# COMMUNICATION SITE MANAGEMENT PLANS

HUALAPAI PEAK
HAYDEN PEAK
POTATO PATCH

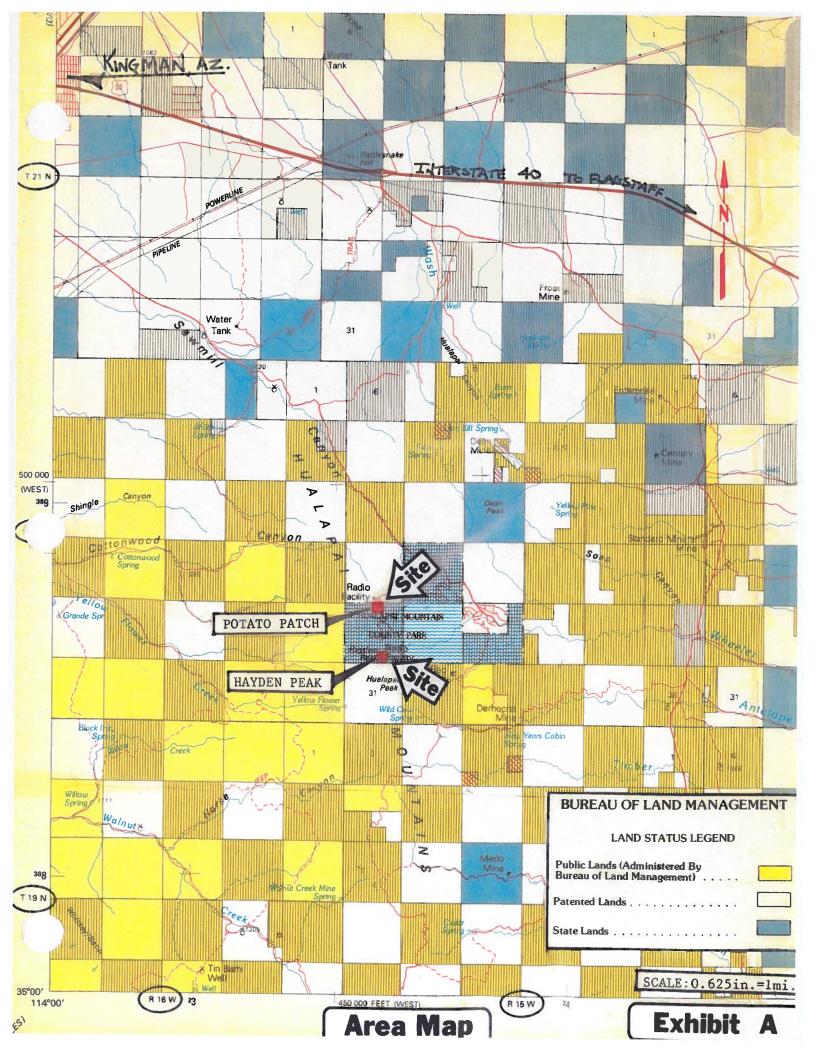
ADDENDUM
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EXHIBITS A - F

# Exhibits

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## Exhibit A



## Exhibit B

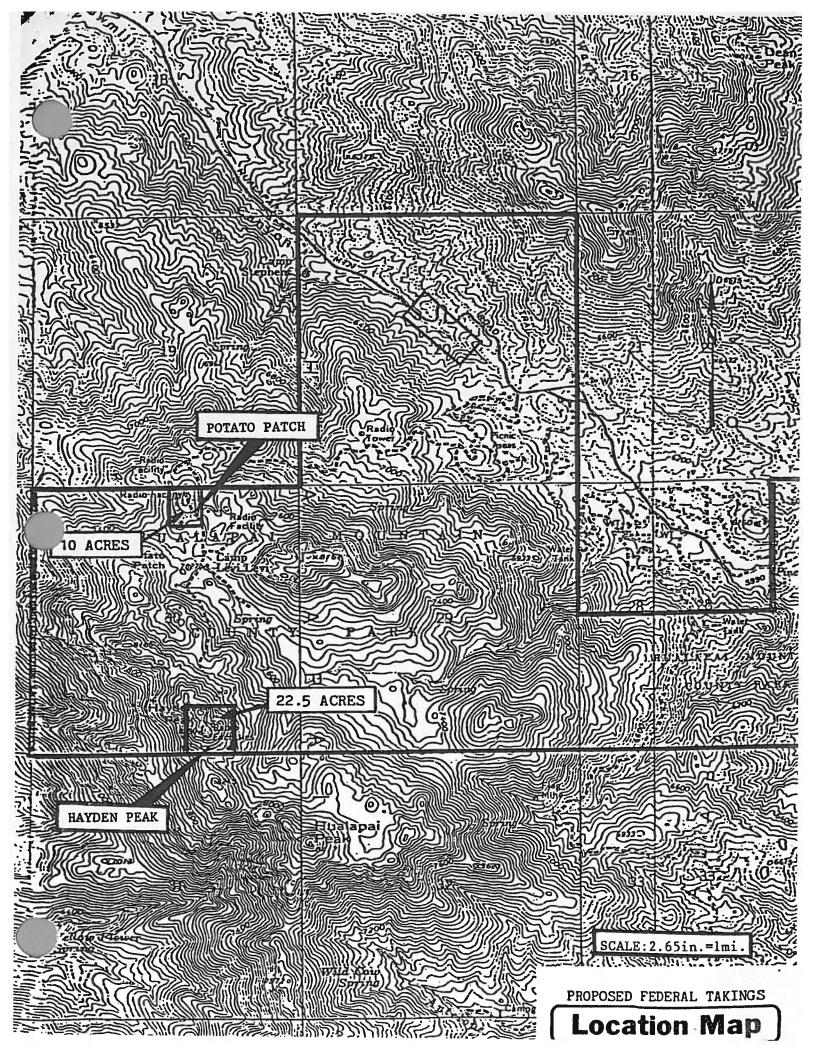
#### HAYDEN PEAK USERS

#### DECEMBER 19, 1984

#### AGENDA

- INTRODUCTION OF USERS AND INTERESTED PARTIES.
- SUMMARY OF ACTIONS LEADING TO THE FEDERAL ACQUISITION OF THE SUBJECT COMMUNICATION SITES.
- FEDERAL RIGHT-OF-WAY REGULATIONS AND REQUIREMENTS.
- USE MUST BE COMPATIBLE WITH COUNTY PARK DEVELOPMENT. COUNTY PARKS DIRECTOR INVOLVEMENT.
- DISCUSSION OF EXISTING PROBLEMS, ie. ELECTRONIC INTERFERENCE, ROAD MAINTENANCE, ETC.
- BLM'S MANDATE TO MANAGE COMMUNICATION SITES TO OPTIMUM POTENTIAL WITH THE LEAST AMOUNT OF USER CONFLICTS.
  - DEVELOPMENT OF USER ASSOCIATION
  - DEVELOPMENT OF SITE PLANS
  - SITE MANAGER CONCEPT
- DISCUSSION OF PENDING USER PROPOSALS, ie. FM TRANSMITTERS, FM TRANSLATORS, ETC.
- CLOSE-OUT AND CONCURRENCE FOR NEXT MEETING DATE AND PLACE.

# Exhibit C



## POTATO PATCH COMMUNICATION SITE

#### LOCATION:

T. 20 N., R. 15 W., G&SRM

section 30, NW4NW4NE4.

Comprising 10.0 acres, more or less.

#### ELEVATION:

7680 feet above sea level.

#### ACCESS:

County roadway (not maintained).

#### POWER:

Single phase.

## HAYDEN PEAK COMMUNICATION SITE

#### LOCATION:

#### T. 20 N., R. 15 W., G&SRM

section 30, SEZNWZSWZSEZ, EZSWZSWZSEZ, SZNEZSWZSEZ, SEZSWZSEZ.

Comprising 22.5 acres, more or less.

#### ELEVATION:

8390 feet above sea level.

#### ACCESS:

County roadway (not maintained).

#### POWER:

Single phase.

#### POTATO PATCH SITE

TX FREQ. (MHz)	RX FREQ. (MHz)
6645	6845
6665	6825
6585	6705
6785	6745
44.66	44.66
154.905	154.905
154.935	155.190
453.050	458.050
460.225	465.225
460.275	465.275
460.475	465.475
460.500	465.500
	156.090
156.225	151.010
151.460	151.145
463.000	468.000
463.050	468.050
463.075	468.075
463.150	468.150
163.9375	167.4875
153.590	153.590
457.05	452.05
1855.0	1975.0
	1935.0
1915.0	1975.0
452.375	452.375
158.430	158.430

TX FREQ. (MHz)	RX FREQ. (MHz)
451.325	456.325
160.650	160.650
161.010	161.010
160.335	
	161.460

#### HAYDEN PEAK SITE

TX FREQ. (MHz)	RX FREQ. (MHz)
47.82	48.38
35.16	35.16
47.74	48.24
45.20	45.20
	39.50
146.760	146.160
152.120	158.580
153.200	158.280
154.355	153.890
155.970	155.970
156.150	155.535
158.310	153.290
159.135	156.045
164.150	164.9375
163.675	162.925
172.950	172.150
413.675	408.300
451.775	456.775
464.400	469.400
464.600	469.600
464.700	469.700
464.850	469.850
CH 50	CH 12
CH 60	CH 58
CH 66	CH 5
CH 68	CH 8
CH 70	CH 12
CH 78	CH 3

TX FREQ. (MHz)	RX FREQ. (MHz)
CH 82	CH 10
2118.8	2168.8
12,530	12,250
12,470	12,230
12,490	12,270
12,510	12,210
12,730	
12,900	
12,775	
12,875	
12,925	
	CH 9
	CH 13
	CH 15
	CH 21
48.74	48.74
1875	1895
1885	1945
1950	1985
169.625	172.775
	167.125
170.075	169.100
417.675	414.325
164.575	164.125
417.275	408.575
164.200	164.725
168.300	168.300
169.225	
419.775	414.975
467.275	462.275

# Exhibit D

#### HUALAPAI MOUNTAIN USERS ASSOCIATION MEETING

#### MINUTES OF FEBRUARY 27, 1985

Meeting called to order by Roger G. Taylor, Area Manager, Kingman Resource Area.

Following discussions pertaining to road easement dedications by the County and the Bureau's intent to initiate site management development plans, the motion was introduced to solicit group interest in forming a user association, to be named the Hualapai Mountain Users Association.

Mr. Taylor requested a vote by those present representing six of the seven existing site users on the Hayden Peak and Potato Patch Sites. The vote was carried as follows concerning the user association formation:

DPS - Yes
DOE - Yes
APS - Yes
El Paso - Yes
AT&T - Yes
BLM - (No Vote)
WECOM - Not Present

Upon approval of the motion to form a users association and following a discussion as to the number of officers necessary to assure the functional operation of the association, Mr. Taylor opened the floor to nominations for association President.

#### Nominations for President:

- Jim Charters (DOE) nominated Bob Richmond (APS). Nomination was seconded by Carl Robinson (AT&T).
- Bob Richmond (APS) nominated Ken Nelson (DPS).
   Nomination was seconded by Roger Taylor (BLM).

Bob Richmond was elected President for a 1-year term.

Mr. Richmond assumed the duties of carrying on the business of the day, ie. election of Vice President and Secretary-Treasurer.

Mr. Richmond opened the floor for nominations for Vice-President.

Nominations for Vice-President:

1. Jim Charters (DOE) nominated Carl Robinson (AT&T).

Harold Wirth (El Paso) seconded the nomination.

Jim Moffat (DPS) moved that the nominations be closed. Ken Nelson (DPS) seconded the motion.

Carl Robinson was elected as the Vice-President.

Mr. Richmond opened the floor for the nomination of Secretary-Treasurer.

Nominations for Secretary-Treasurer:

Carl Robinson (AT&T) nominated Jim Charters (DOE).
 Ken Nelson (DPS) seconded the nomination.

Harold Wirth (El Paso) moved that the nominations be closed. Ken Nelson (DPS) seconded the motion.

Jim Charters was elected Secretary-Treasurer.

Mr. Richmond requested comments as to new business to be considered.

Jim Charters (DOE) requested the association consider the formation of two (2) committees.

- 1. Preparation of Association Constitution and By-Laws.
- 2. Technical Review.

Carl Robinson (AT&T) recommended that DOE prepare constitution and by-laws. Jim Charters (DOE) agreed and assigned R. C. Ashton (DOE) as the Chairwoman of the Constitution and By-Laws Committee.

Ken Nelson (DPS) recommended that one individual from each site user be a committee representative.

Roll call was taken and the following members assigned to the Constitution and By-Laws Committee:

DOE - R.C. Ashton (Chairwoman)

APS - Ken Dunlap

DPS - Ken Nelson

El Paso - Harold Wirth

AT&T - Carl Robinson

BLM - Mike Thompson

WECOM - To Receive Invitation

Black Mesa - Jim Simpson (Added as a member in good standing by the association).

R. C. Ashton stated that a final draft of the constitution and by-laws should be completed in 3-4 weeks.

Mr. Richmond opened the floor for nominations or a volunteer to chair the Site Technical Review Committee:

Carl Robinson (AT&T) nominated Ken Nelson (DPS) as Chairman. Mr. Richmond seconded the nomination. Ken Nelson accepted the nomination.

Roll call was again taken and the following members were assigned to the Site Technical Review Committee:

DPS - Ken Nelson (Chairman)
APS - Terry Chester
DOE - R. C. Ashton
El Paso - Harold Wirth
AT&T - Carl Robinson
BLM - Len Stears, Idaho Falls, ID
WECOM - To Receive Invitation
Black Mesa - Jim Simpson

J. C. Brown (Black Mesa) requested that the by-laws include a provision to make Black Mesa a non-voting member of the association.

Roger Taylor noted that Black Mesa has an agreement to relocate to one of the two communication sites in 5 years. BLM has stated that Black Mesa has a preference right which will be exercised on the Potato Patch site at a later date. Black Mesa has also been a contributor to the county's road maintenance fund.

Mr. Richmond made a motion to accept Black Mesa as a full-fledged member. Ken Nelson seconded the motion. All members voted their approval.

Mr. Richmond stated that the association should secure an interest-free checking account and issue cards to the officers. In addition, the Constitution and By-Laws Committee is to determine road maintenance fee projections for each user depending on their site location, ie. Hayden Peak versus Potato Patch.

Ar. Richmond proposed that annual meetings be scheduled for the month of February. Committee contacts and meetings will, however, commence immediately.

Ken Nelson, Site Technical Committee Chairman, set a committee meeting date of March 6, 1985, in the El Paso Natural Gas Office in Flagstaff. Ken can be reached at 774-4561.

Mr. Richmond closed the meeting stating that an association meeting may be necessary at a later date.

Motion to close was seconded by Carl Robinson (AT&T).

irom local government people that cars were being sold...and maneuvers were being made to skip the (city's) 2 percent tax" on vehicles sold within city limits, Smith said.

The approximation of unpaid city taxes from local car dealers has been revised downward for "a number of reasons," Smith said, adding he could not elaborate e department's auditing methods because it would which businesses were being audited.

said there was no single reason for the estimate reduction, but added that after some investigation, it was determined that many of the suspect car-sales transactions were handled properly as far as sales taxes were concerned.

Smith said the department does not consider the unpaid taxes to be a form of tax evasion because in some cases, the businesses may have thought it was alright not to pay the entire 2 percent city sales :ax.

"There may not necessarily been intent to evade the

.... .... to double-check the odometer.

"If a car had been picked up in a city outside of Kingman or in an unicorporated area, we would make an allowance of 40 miles.

"If it was over 40 miles," he said, "It could have been purchased and driven there. If it was under 40 miles, it (was probably) delivered there."

According to state and city officials, the revenue department's auditing may have been made more complicated because state and city sales tax laws differed slightly with regard to out-of-state transactions on orders placed in Kingman.

City Attorney Jim Chavez said that before a January change in the city's ordinance, cars ordered in Kingman but delivered in another state were subject to city sales tax but not to the state tax.

"We were not consistent with the state laws," Chavez

• Taxes — Page 2



Finally hon

U.S. Air force Maj. Ge commander-in-chief c accepts an Americar Hawaii, from Air Forc

# Safety of high-power transmitters on peaks questioned at hearing

Some operators of low-power radio transmitters in the Hualapai Mountains claim the addition of high-power transmitters there could threaten the lives of powerline workers and public-safety officers.

The U.S. Bureau of Land agement held a public meetruesday night to hear the partic's views on the possible placement of high-power transmitters on peaks in Hualapais.

Mohave County relinquished 32.5 acres in the Hualapais to BLM on Aug. 24. The federal agency requested in April 1984 that the county relinquish the two sites because of violations of a federal patent that stipulated uses be limited to recreation and municipal purposes.

Several of the uses were deemed by BLM to be for commercial purposes.

Now that BLM has taken over the sites, they will be opened to multiple uses, meaning highpower tansmitters could be permitted, said Roger Taylor, area manager for BLM's Kingman resource area office.

BLM officials told about 35 people at Tuesday's meeting that high-power FM uses might be approved for the sites in the future. Presently, only low-power nitters are on the two sites.

he 22.5 acre Hayden Peak,

transmitters and relays are being operated by the U.S. Department of Energy, El Paso Natural Gas Co., Western Electronics & Communications and BLM.

The Arizona Department of Public Safety, Arizona Public Service Co. and American Telephone & Telegraph Co. operate transmitters at the 10-acre Potato Patch site.

Mike Thompson, a realty specialist for BLM's Kingman office, told the group that the federal agency now has begun to accept applications for new transmitters and relays on the sites.

That is a matter of concern to some operators of low-power facilities because their signals could be drowned out by highpower FM transmitters.

"We're very concerned about this," said James H. Charters, director of communications and control for the Western Area Power Administration. The administration operates a microwave transmitter for Arizona Public Service linemen who need two-way communications for repair purposes.

The lives of workmen could be placed in jeapardy because of interference from FM transmitters, Charters said.

-By Emil Venere

## \$200,00 hospit

## Temporary facility housing

By EMIL VENERE Miner Staff Writer

Kingman Hospital Inc. officials are planning to construct a \$200,000, 3,500-square-foot addition to Kingman Regional Hospital's now-cramped X-ray department.

The KHI executive board of directors on Tuesday unanimously voted to direct its policy and planning committee to work with its building and grounds panel in developing a plan for the addition. Officials said they hoped the plan would be ready for review by the next executive board meeting on March 26.

KHI President Don Logue said the expansion is needed for two major reasons.

The first, he said, is that the city of Kingman has notified KHI that a temporary building now housing a new computerized tomography (CT) scanner falls short of the city's building code requirements.

Also, the hospital plans to purchase additional X-ray equipment this year and a larger department would be needed to house the machines.

Dr. Arthur Arnold, a long-time Kingman physician and a member of the executive board, suggested that the hospital build the addition. He estimated construction costs for the proposed 50-by-70-foot building at from \$50 to \$55 a square foot.

It would extend east of the hospital's eastern wing, where the X-ray department presently is housed. Equipment presently sits in hallways of the cramped depart-

ment.

A portion of the addicost, estimated at less th would be funded throug million in left-over inc velopment bonds KHI year, Logue said.

Including the new equiplans to purchase, the represents a "millionvestment," said H.I. chairman of KHI's pla policy committee.

Logue said the hospita buy about \$860,000 in : equipment to replamachines.

"It's old, it's breakir said Dr. Earl Gilbert, radiologist and former h hospital's radiology depar

Meanwhile, the city waiting more than two : the building's design. Burns, a Kingman buildi: Burns said the temporar - a mobile home - w adiacent to the east wi hospital on Dec. 13 to hou scanner. The scanner, b be the only such device ! County, takes detaile cross-sections of the hum: pinpointing tumors and The nearly \$700,000 sca been in operation for a weeks

Burns said KHI officials December to have the buil completed within 30 days. also agreed to comp permanent building wit months, he said.

## Exhibit E

#### ARIZONA DEPARTMENT OF PUBLIC SAFET



P. O. BOX 6638

PHOENIX, ARIZONA 85005

(602) 262-8011



April 11, 1985

BRUCE BABBITT GOVERNOR

RALPH T. MILSTEAD DIRECTOR

Mr. Roger G. Taylor, Area Manager Bureau of Land Management, Kingman Resource Area 2475 Beverly Avenue Kingman, AZ 86401

Re: HUALAPAI MOUNTAIN COMMUNICATIONS SITE TECHNICAL STANDARDS

Dear Mr. Taylor:

The Technical Standards Committee of the Hualapai Mountain Users' Association would like to submit for your approval the attached, Site Technical Standards. for the Hualapai Mountain Radio Sites. The implementation of the technical standards as they apply to the existing and new site users will be covered in the Association By-Laws.

The Committee feels that the adoption of the Technical Standards will allow for the orderly growth and management of the existing Hualapai Mountain communications sites.

Respectfully submitted,

HUALAPAI MOUNTAIN USERS' ASSOCIATION TECHNICAL STANDARDS COMMITTEE

FAU OF LAND MANA RA - PHOENIX DO

#### PROPOSED

TECHNICAL STANDARDS

for the

HUALAPAI MOUNTAIN COMMUNICATIONS

SITES - "POTATO PATCH and HAYDEN PEAK"

#### TRANSMITTERS

- A. All transmitters will be FCC Type/Accepted or meet Type Acceptance Criteria.
- B. All transmitters will have protective devices, designed into or externally installed, to prevent interference to other users.
  - 1. Direct radiation of out-of-band emissions (i.e. transmitter wide-band noise, spurious emissions, harmonics) shall be reduced to a non-interfering level by the use of band-pass, low-pass or harmonic filtering. Band-reject filtering may be required in special applications.
  - 2. Re-radiation of signals (intermod) from a transmitter and its associated antenna system will be prevented through the installation of appropriate devices (i.e. ferrite isolators), with a minimum return loss of 25dB.
- C. Transmitter power output shall not exceed 120 watts. The Effective Radiated Power (ERP) will not exceed 1,200 watts. Microwave point-to-point systems excluded from this requirement.

#### RECEIVERS

- A. All receivers must comply with all applicable parts of FCC Rules, including Parts 2 and 15.
- B. All receivers shall have sufficient "front end" preselection to prevent receiver spurious response. The use of band-pass, band-reject cavities or crystal filters may be required to prevent receiver-produced intermodulation or adjacent channel interference.

#### ANTENNAS, FEEDLINES AND SUPPORT STRUCTURES

- A. All antennas and transmission lines, including those not in immediate use, will be terminated in their characteristic impedance (Z°) to prevent reradiation of intercepted signals or noise.
- B. All coaxial transmission lines will be double braided or solid shielded and jacketed.
- C. All towers shall meet EIA Standard RS-222-C, Structural Standards for Steel Antenna Towers.
- D. All tower construction shall meet manufacturers recommended specifications for ice and wind loading for this area.
- E. All metallic structural materials shall be galvanized, plated, or coated. Dissimilar metals will not be placed in contact with each other in such a manner that could create a galvanic junction.

1121/

F. Anti-climb devices, removable steps, or other means to discourage unauthorized climbing of the towers are highly recommended.

#### ELECTRICAL

- A. All electrical facilities, equipment, and their installation shall conform to the latest edition of the "National Electric Code", and local laws and regulations.
- B. All permanent AC wiring shall be installed in metallic conduit.

#### BUILDINGS

- A. All buildings and structures shall, at the time of construction, conform to the latest edition of the "Uniform Building Code", and local laws and regulations.
- B. All metallic materials used in building construction shall be galvanized, plated or coated. Dissimilar metals will not be placed in contact with each other in such a manner that could create a galvanic junction.
- C. Buildings shall be designed and installed to withstand severe weather conditions.

#### SITE AND EQUIPMENT GROUNDING

All equipment racks and cabinets controlled by each primary user shall be bonded to a common ground system for his site. This ground system will also maintain a common bond for external equipment (i.e. generator, LPG tanks, tower, etc.).

#### MISCELLANEOUS EQUIPMENT

Any miscellaneous equipment that could cause harmful interference shall be adequately shielded.

#### HOUSEKEEPING

Housekeeping has environmental, visual and aesthetic impact, it further has an electromagnetic compatibility impact. Debris which is permitted to remain adrift, and the residue of construction, installation, removal, modification, or other evolutions, raises the noise "floor" for all users and gives rise to intermodulation potential which often defies identification. No debris will be allowed to accumulate.

242 Km

## Exhibit F

## APPLICATION TO MODIFY FM CONSTRUCTION PERMIT BPH830907AF

KZZZ

Mohave Sun Broadcasting 94.7 MHz CHANNEL 234 C Kingman, Arizona

February 1985

PROPOSED FM Mohave Sun Broadcasting 94.7 MHz CHANNEL 234 C Kingman, Arizona February 1985

#### APPLICATION TO MODIFY FM CONSTRUCTION PERMIT BPH830907AF

EXHIBIT	MT/m =
	TITLE
100	FCC Form 301, Sec V-B, FM Broadcast Engineering Data
	Sec V-G, Antenna and Site Information FAA Form 7460-1, Notice of Proposed Construction SF Form 299, Application for Transportation and Utility Systems and Facilities on Federal Lands
200	Engineering Statement
210	Distance to Pertinent FM Stations
220	Distance to Contours
280	Electromagnetic Compatibility Study
290	Intermodulation Study - Two Components
295	Intermodulation Study - Three Components
400	Tabulation of Population and Areas
900	Transmitter Site
920	Plat of Tower Site (Provided by BLM)
930	Vertical Tower Drawing
950	Computed Contours
1000	Affidavit - Larry D. Ellis, P.E.
1001	Affidavit - Michael Wiehe DE

Affidavit - Michael Wiebe, P.E.

1. Purpose of author	orization applied f	or:					
Construct a n	ew station			☐ Install A	uxillary system		
Change:	☑ Effective ra	diated po	wer			Frequency	
	Antonna he	ight above	average terrain		<b>IX</b>	Fransmitter loca	ition
	Studio locat	lon outsic	de community of III	conse			
	Other (Sum	marize bri	efly the nature of t	the changes proposed.)			
L Station location:			State A 2	,	CI	ty or Town	
Facilities requested			Frequency		- c	Kingman	below)
Goographic coordin	stor of parames (s		94.7	MHz234	- 0	A 🗆 E	
North-Latitude  Effective radiated po	35	04	, 52	West Langitude	113	<i>,</i> 54	13
Polarization			Horizontal I	Plane	Maxim	um (Beam tilt o	enly)
Horizontal Vertical		i i	25.226 25.226	kW		dna	
Height of antenna rec	distion center:	-		Antenna	height above:	dna	
			Average terrain		Mean Sea Lave	1	Convert
Horizontal			3640.	48 ft.	8502		Ground 122
Vertical	39		3640.	48 <b>ft.</b>	8502		122
s a directional antenr	ne being proposed	,				YES	NO

8.	Tra	ansmitter location:	State AZ	County	Mohave	
			City or Town Kingman	Street Address (or other id Hayden Peak	ientification)	
9.	Ove	erall height of complete structure above ground	(without obstruction links and	138		
10.	Att	ach as Exhibit No. 950 map(s) (Sectional Aer	ronautical charts or equivalent) o		ft.	
	(a)	Proposed transmitter location and the radial	s along which the profile graphs h	ave been prepared.		
	(b)	The 3.16 mV/m and the 1 mV/m contours p		ove been prepared,		
	(c)	On the map(s) showing 3.16 mV/m contour, served;	clearly indicate the legal boundar	ries of the principal community	proposed to t	<b>50</b>
	(d)	Area (sq. mi.) and population (latest census)	within 1 mV/m contour;			
	(e)	Scale of miles.				
11.	Will t	the proposed 3.16 mV/m contour completely er ruction?	ncompass the principal communit	y, without major terrain	YES	NO
	if No	), please submit justifications.				
2.	if the	main studio will not be within the boundaries of the distribution pursuant to Section 73.1	of the principal community to be 125 of the Commission's Rules.	served, attach as Exhibit		

- Attach as Exhibit No. 900 map(s) (7.5 minute U.S. Geographic Survey topographic quadrangles if available) of 13. the proposed antenna location showing the following information:
  - (a) Proposed transmitter location accurately plotted with the latitude the longitude lines clearly marked and showing a scale of statute lines.
  - Transmitter location and call letters of all AM broadcast stations within 2 miles of the proposed antenna **(b)** location.
- If there are any FM or TV stations within 200 feet of proposed entenns or non-broadcest radio stations (except amateur & citizens band), established commercial and government receiving stations in the general vicinity which may be adversely affected by the proposed operation, attach as Exhibit No. 280—the expected effect, a description of remedial steps that may be pursued if necessary, and a statement from the applicant accepting full responsibility for the elimination of any objectionable affect on existing stations.

Tabulation of Terrain Data. (Calculated in accordance with the procedure prescribed in Section 73.313 of the Commission's Rules utilizing

Radial bearing	Height of antenna,		
(degrees true)	radiation center above	Predicted I	Distance
	Biograph elemein 4		
	radial (2-10 mi)	To the 3.16 mV/m	To the 1 mV/m
	Feet	Contour	contour
O°		Miles	Miles
45°	See Exhibit 220		
90°			
135°	76		
180°			
225°			
270°			
315°			
(.)			
(+) Radial over principal	community if not included above. Do not include in A		
	The included above. Do not include in A	verage.	
5. Environmental Statement, Sc	ee Part I, Subpart 1 of the Commission's Rules.		
Would a Commission grant or	f this application be a major action as defined by Section	0 1 1205 of the 0	
	The section of the se	n 1.1305 of the Commission	's Rules? YES (
If Yes, attach as Evhibis No.			
If Yes, attach as Exhibit No.	a narrative statement in accordance with Section	1.1311 of the Commission!	Rules.
If Yes, attach as Exhibit No  If No, explain briefly. The Se	proposed site is an established ction 1.1305(b)(1)	"antenna farm"	
If Yes, attach as Exhibit No  If No, explain briefly. The Se	proposed site is an established	"antenna farm"	
If Yes, attach as Exhibit No  If No, explain briefly. The Se	proposed site is an established ction 1.1305(b)(1)	"antenna farm" examined the foregoing state	
If Yes, attach as Exhibit No  If No, explain briefly. The Se  I certify that I represent the a  ormation and that it is true to the	a narrative statement in accordance with Section proposed site is an established ction 1.1305(b)(1) pplicant in the capacity indicated below and that I have best of my knowledge and belief.	"antenna farm" examined the foregoing state ebe, P.E. Name	ement of technical
If Yes, attach as Exhibit No  If No, explain briefly. The Se  I certify that I represent the a commation and that it is true to the	a narrative statement in accordance with Section proposed site is an established ction 1.1305(b)(1) pplicant in the capacity indicated below and that I have best of my knowledge and belief.	"antenna farm" examined the foregoing state ebe, P.E. Name	ement of technical
If Yes, attach as Exhibit No  If No, explain briefly. The Se  I certify that I represent the a  ormation and that it is true to the	a narrative statement in accordance with Section proposed site is an established ction 1.1305(b)(1)  policant in the capacity indicated below and that I have best of my knowledge and belief.  Michael Wie	"antenna farm" examined the foregoing state ebe, P.E.  Name	tement of technical
If Yes, attach as Exhibit No  If No, explain briefly. The Se  I certify that I represent the a commation and that it is true to the	a narrative statement in accordance with Section proposed site is an established ction 1.1305(b)(1)  policant in the capacity indicated below and that I have best of my knowledge and belief.  Michael Wie	"antenna farm" examined the foregoing state ebe, P.E.  Name  Check appropriate box	TE.
If Yes, attach as Exhibit No  If No, explain briefly. The Se  I certify that I represent the a commation and that it is true to the	a narrative statement in accordance with Section proposed site is an established ction 1.1305(b)(1)  policant in the capacity indicated below and that I have best of my knowledge and belief.  Michael Wie	"antenna farm"  examined the foregoing state  ebe, P.E.  Name  Check appropriate box  Joliet Suite 20	TE.  ** below;
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If Yes, attach as Exhibit No  If No, explain briefly. The Se  I certify that I represent the a commation and that it is true to the February 25, 19  Date	a narrative statement in accordance with Section  proposed site is an established ction 1.1305(b)(1)  policant in the capacity indicated below and that I have best of my knowledge and belief.  Michael Wiese Sign  1010 South  Aurora CO  (303) 367-16	"antenna farm"  examined the foregoing state  ebe, P.E.  Name  Lief f.  ature (check appropriate box  Joliet Suite 20  Address (include ZIP Code  80012	E.  x below;
If Yes, attach as Exhibit No  If No, explain briefly. The Se  I certify that I represent the a commation and that it is true to the	a narrative statement in accordance with Section  proposed site is an established ction 1.1305(b)(1)  policant in the capacity indicated below and that I have best of my knowledge and belief.  Michael Wiese Sign  1010 South  Aurora CO  (303) 367-16	examined the foregoing state  ebe, P.E.  Name  Check appropriate box  Joliet Suite 20  Address (include ZIP Code  80012	E.  x below;

### ANTENNA AND SITE INFORMATION

Mohave Sun Broade		Call Sig KZZZ		Station Locat Kingman				
Purpose of Application (Put "  New antenna construction  Alteration of existing anter  Change in location			Facilities Reg 94.7 MHZ			25.226	5 kW	
1. Location of Antenna:	ANTALL CONTRACTOR							
State		County		City or Town				
AZ		Mohav						
Exact antenna location (	street address). If outside city	. It-to		Kingman				
nayaen reak	(10.5 miles SE of	Kingman)						
tower location.	s (to nearest second). For dire	ctional antenna	give coordinate	s of center of a	rray. For sing	e vertical	radiator	give
North Latitude	•							
	35 04	52	West Longitud		112			**
Is the proposed size the					113	54	13	
another application pendi	me transmitter-entenna site of ng before the Commission?	other stations a	uthorized by th	ne Commission	Of Specified in			
- Paradion polici	ing perore the Commission?				or specific in	DX)	YES	
If Yes, give call sign: Se	ee Exhibit 200							
If Yes give does and notified	d of proposed construction? F	ebruary 2	5. 1985			-		8. <u>7.4</u> 8
If Yes, give date and office	where notice was filed.	awthorne	CA			Z	YES	
List all landing areas within	n 5 miles of anymous size. Ct.							
site. none	n 5 miles of antenna site. Give	distance and di	rection to the r	nearest boundar	y of each land	ing area f	rom the	antenr
Landing A	Area	Distance			Direction			
(a)								
(b)		33.32						
(c)								
Attach as Exhibit No. / a	30			1,0197,61				
directional antanna, give spa	3U description of the antenna syst acing and orientation of towers	tem, including w -	hether tower(s	are self-suppo	rting or guyed.	Ifa		
Self supporting	steel tower with	ton nole						
	steel tower with	cob bole	inounted .	3 element	FM ante	nna		
wer								
		#1 #	2 #3					
2.00	1	1	, ,,	1 #4	#5	- 1	#6	

Tower	#1	#2	#3	#4	#5	#6
Overall height above ground (include obstruction lighting)	138'					
Overall height above mean sea level (include obstruction lighting)	8518'					

☐ Technical Consultant

6. Attach as Exhibit No. 930 a vertical plan sketch for ground in feet for all significant features. Clearly in main supporting structure and the antenna elements	or the proposed total structure (including supporting building, if any) giving heights above dicate existing portions, noting lighting, and distinguish between the skeletal or other
The state of the s	
I certify that I represent the applicant in the capacity	vindicated below and that I have examined the foregoing statement of technical informa-
tion and that it is true to the best of my knowledge and beli	ief.
Michael Hit	
Michael Wiebe, P.E.	(303) 367-1626
201:10110	Telephone (include area code)
Iterael Wiele	PE. February 25, 1985
Signature (check appropriate box below)	Date
☐ Technical Director ☐ Registered Professional	Engineer Chief Operator Technical County

☐ Chief Operator

	POSED CO	OF TRANSPORTATION TO ADMINISTRATION ON STRUCTION	OR ALTERATION	AEROI		'AA U	SE ON	
A. TYPE	B. CLASS	TURE OF STRUCTURE	MS COST MINUSES HO					NA.
X NEW CONSTRUCTION	X PERMA	MENT	C. PROPOSED LENGTH C	F incu	will either	return this	o form er	Y Y
ALTERATION		TEMPORARY	(Monthy)	A.	The propos	ed structu	rat	
2. NAME AND ADDRESS OF INDIV THE CONSTRUCTION OR ALTER	VIDUAL COMPA	NY CORROBATION TO			Does not re			
THE CONSTRUCTION OR ALTER	ATION (Numbe	r, Street, City, State	T. PROPOSING  and Zip Code)		Would no standard of a hazard to	ANTE BAVE	and would	net
	un Broad	racting			bould be	DOT FAA	Advisory	me:
10 C/O E111	S & Wieh	a D C			0/7460-1, ( Obstruction	Thomas (a)		
TOTO 200	th Jolie	t Suite 204			or motimes	Y.		
Aurora C	0 80012				lequires se lso FAA for	ppierrotal	notice.	
					C () and ()			
				REMARK	ıs.			
3. COMPLETE DESCRIPTION OF Smodified 11, FM or TV sta	STRUCTURE 1/11	luie effection and						
- the the citating	of FAA facilities	EN GR anorominates	and configuration of p	ower				
110' self support	ing town				TEN			
(overall height 1: ERP of 25.266 kW	38 AGL)	operating on	94.7 MHz with	enna				
ERP of 25.266 kW.		33	TTO PHIZ WITT					
				ISSUING	OFFICE			
				REVIEWI	NG OFFICE	R	STAR	
		4. LOCAL	TION OF STRUCTURE				21140	
COORDINATES (To nearest se	cond)		R TOWN, AND STATE					
LATITUDE LOI	NGITUDE	Kingman Az	7					
5 04 52 113	54 13	(1) DISTANCE FROM		(2) DIR	ECTION FRO	M 48		
NAME OF NEAREST AIRPORT, HE	LIPORT, OR SEA	PLANE BASE		VILES	SF			
ingman			(1) DISTANCE FRO	WAY			CTION FRO	
DESCRIPTION OF LOCATION OF ETC. Aftuch a highway, stree airport(s). If more space is i	SITE WITH RE	SPECT TO HIGHWAYS	STREETS. AIRPORTS OF	12.7 m	the Carrier			T
Hayden Peak E	Electroni	cs Site						
ELEVATION OF SITE ABOVE MEAN	CEATION (()	omplete A. B and C t	o the nearest foot)	37 _ 10	6. 1	WORK SCH	EDULE DAT	ES
HEIGHT OF STRUCTURE INCLUDING			8380	A market	A. BEGI	NNING		
		UATED	138		FCC G	rant		
OVERALL HEIGHT ABOVE MEAN SEA LEVEL $(A+B)$		- B)	8518		90 days			
DESTRUCTION MARKET			1 0510			-	1 YES	N
OBSTRUCTION MARKED AND/OR	ABMICON	P					153	Y
ULAK 70/7460-1. ORSTRUCTION	MARKING AN	B. AVIATION	RED OBSTRUCTION LIGH					X
ULAR 70/7460-1, OBSTRUCTION		C. HIGH INT	ENSITY WHITE OBSTRUCT	ION LIGHTS		<del></del>		X
IGHTING		I U. DUAL IIC	HTING SYSTEM				_	X
IGHTING	of the above	Statements made to						
I HEREBY CERTIFY that at	I of the above	statements made by	me are true, complete	, and correct to	the best	of my imo	wiedge.	
I HEREBY CERTIFY that at		statements made by D NAME/TITLE OF PER	TOTAL METAL MOTICE	SIGNATURE	the best	of my imo	wiedge.	
1 HEREBY CERTIFY that at 1 TEL. NO. (Give code) (303) 367-1	.626 Mi	Statements made by D NAME/TITLE OF PER	P F	SIGNATURE		//		_
I HEREBY CERTIFY that at	.626 Mi	statements made by D NAME/TITLE OF PER Chael Wiebe, tion Regulations (14	P.E.	SIGNATURE	M	Lie	1	E.

STANDARD FORM 299(11-83) Prescribed by DOI/USDA/DOT APPLICATION FOR TRANSPORTATION AND ter Notice 6-3-81 UTILITY SYSTEMS AND FACILITIES FORM APPROVED ON FEDERAL LANDS OMB NO. 1004-0060 Expires: May 31, 1986 NOTE: Before completing and filing the application, the applicant should completely review this pack-FOR AGENCY USE ONLY age and schedule a preapplication meeting with representatives of the agency responsible for processing the application. Each agency may have specific and unique requirements to be met Application Number in preparing and processing the application. Many times, with the help of the agency representative, the application can be completed at the preapplication meeting. Date filed Name and address of applicant (include zip code) Art Brooks Name, title, and address of authorized agent 3. TELEPHONE (area code) if different from Item 1 (include zip code) Mohave Sun Broadcasting Applicant Box 3939 (60<u>2) 753-2537</u> Kingman AZ 86401 **Authorized Agent** 4. As applicant are you? (check one) 5. Specify what application is for: (check one) Individual a. X New authorization Corporation \* Renew existing authorization No. .. c. X Partnership/Association \* Amend existing authorization No.\_ d. State Government/State Agency Assign existing authorization No.\_ Local Government Existing use for which no authorization has been received \* Federal Agency Other \* · Il checked, complete supplemental page \* Il checked, provide details under Item 7 6. If an individual, or partnership are you a citizen(s) of the United States? X Yes No Project description (describe in detail): (a) Type of system or facility, (e.g., canal, pipeline, road); (b) related structures and facility. ties; (c) physical specifications (length, width, grading, etc.); (d) term of years needed; (e) time of year of use or operation; (f) Volume or amount of product to be transported; (g) duration and timing of construction; and (h) temporary work areas needed for construc-) self supporting steel tower with FM antenna ) transmitter building c) tower 138' AGL overall height d) permanent e) fulltime use year round g) 90 days, upon grant of FCC construction permit 8. Attach map covering area and show location of project proposal Exhibit 900 State or local government approval: Attached Applied for X Not required 10. Nonreturnable application fee: X Attached Not required 11. Does project cross international boundary or affect international waterways? Yes X No (If "yes," indicate on map) 12. Give statement of your technical and financial capability to construct, operate, maintain, and terminate system for which authorization

Mohave Sun Broadcasting is the licensee of KAAA(AM) and KZZZ(FM) radio station and has full technical qualifications and finalcial capability to construct, operate and maintain

a. De	escribe other reasonable alternative routes and modes considered.	Page 8
Ot e1	ther transmitter sites considered: Radar Hill, Union Pass area, Potato F lectronics site.	Patch
. Wh	ny were these alternatives not selected?	
-K Fi -C	Radar Hill does not provide adequate elevation to meet FCC minimum height Commercial power not available and the second s	
ha	ave necessitated 225' self supporting 120' tower; 50' required vertical	clearance wo
	explanation as to why it is necessary to cross Federal lands.	
Tł	his site is an established electronics site with commercial power availab	ole.
Lis i/y	st authorizations and pending applications filed for similar projects which may provide information to the auth number, date, code, or name.)	osision
	y provide anotherior to the auth	orizing agency. (
d		
Prov	vide statement of need for project, including the economic feesibility and its	
Prov	vide statement of need for project, including the economic feasibility and items such as: (a) cost of propose on, und maintenance; (b) estimated cost of next best alternative; and (c) expected public benefits.	al (construction, o
(a	vide statement of need for project, including the economic feasibility and items such as: (a) cost of propose on, und maintenance); (b) estimated cost of next best alternative; and (c) expected public benefits.  ) estimated cost (Tower only): \$36,000	al (construction, o
(a (b	) estimated cost (Tower only): \$36,000	
(a (b	) estimated cost (Tower only): \$36,000	
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Description Descri	estimated cost (Tower only): \$36,000 ) estimated cost of alternative (Tower only): \$90,000 ) The public will benefit from improved radio service in the Kingman area cribe probable effects on the population in the area, including the social and economic aspects, and the rural probable impact  pr	lifestyles.  c) surface and grong noise levels;

2/25/85 Title 18, U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

Signature of Applicant

EBY CERTIFY. That I am of legal age and authorized to do business in the State and that I have personally examined the information ned in the application and believe that the information submitted is correct to the best of my knowledge.

# APPLICATION FOR TRANSPORTATION AND UTILITY SYSTEMS AND FACILITIES ON FEDERAL LANDS

# GENERAL INFORMATION ALASKA NATIONAL INTEREST LANDS

rnis application will be used when applying for a right-of-way, permit, license, lease, or certificate for the use of Federal lands which lie within conservation system units and National Recreation or Conservation Areas as defined in the Alaska National Interest Lands Conservation Act. Conservation system units include the National Park System, National Wildlife Refuge System, National Wild and Scenic Rivers System, National Trails System, National Wilderness Preservation System, and National Forest Monuments.

Transportation and utility systems and facility uses for which the application may be used are:

- Canals, ditches, flumes, laterals, pipes, pipelines, tunnels, and other systems for the transportation of water.
- Pipelines and other systems for the transportation of liquids other than water, including oil, natural gas, synthetic liquid and gaseous fuels, and any refined product produced therefrom.
- 3. Pipelines, slurry and emulsion systems, and conveyor belts for transportation of solid materials.
- 4. Systems for the transmission and distribution of electric energy.
- Systems for transmission or reception of radio, television, telephone, telegraph, and other electronic signals, and other means of communications.
- Improved rights-of-way for snow machines, air cushion vehicles, and all-terrain vehicles.
- 7. Roads, highways, railroads, tunnels, tramways, airports, landing strips, docks, and other systems of general transportation.

This application *must* be filed simultaneously with each Federal department or agency requiring authorization to establish and operate your proposal.

Alaska, the following agencies will help the applicant file an application and identify the other agencies the applicant should contact and possibly file with:

Department of Agriculture
Regional Forester, Forest Service (USFS)
Federal Office Building, P.O. Box 1628
Juneau, Alaska 99802
Telephone: (907) 588-7247 (or a local Forest Service Office)

Department of Interior
Bureau of Indian Affairs (BIA)
Juneau Area Office, P.O. Box 3-8000
Juneau, Alaska 99802
Telephone: (907) 586-7209

Bureau of Land Management (BLM) 701 C Street, Box 13 Anchorage, Alaska 99513 Telephone: (907) 271-5055 (or a local BLM Office)

National Park Service (NPS)
Alaska Regional Office, 540 West 5th Avenue, Room 202
Anchorage, Alaska 99501
Telephone: (907) 271-4196

U.S. Fish & Wildlife Service (FWS)
Office of the Regional Director
1011 East Tudor Road
Anchorage, Alaska 99503
Telephone: (907) 276-3800

ote-Filings with any Interior agency may be filed with any office noted above or with the: Office of the Secretary of the Interior, Regional Environmental Officer, Box 120, 1675 C Street, Anchorage, Alaska 99513.

Department of Transportation
Federal Aviation Administration
Alaska Region AAL-4, P.O. 14
Anchorage, Alaska 99513

NOTE - The Department of Transportation has established the above central filing point for agencies within that Department. Affected agencies are: Federal Aviation Administration (FAA), Coast Guard (USCG), Federal Highway Administration (FI:WA), Federal Railroad Administration (FRA).

#### OTHER THAN ALASKA NATIONAL INTEREST LANDS

Use of this form is not limited to National Interest Conservation Lands of Alaska.

Individual departments/agencies may authorize the use of this form by applicants for transportation and utility systems and facilities on other Federal lands outside those areas described above.

For proposals located outside of Alaska, applications will be filed at the local agency office or at a location specified by the responsible Federal agency.

# SPECIFIC INSTRUCTIONS (Items not listed are self-explanatory)

Item

- 7 Attach preliminary site and facility construction plans. The responsible agency will provide instructions whenever specific plans are required.
- 8 Generally, the map must show the section(s), township(s), and range(s) within which the project is to be located. Show the proposed location of the project on the map as accurately as possible. Some agencies require detailed survey maps. The responsible agency will provide additional instructions.
- 9, 10, and 12 The responsible agency will provide additional instructions.
- Providing information on alternate routes and modes in as much detail as possible, discussing why certain routes or modes were rejected and why it is necessary to cross Federal lands will assist the agency(ies) in processing your application and reaching a final decision. Include only reasonable alternate routes and modes as related to current technology and economics.
- 14 The responsible agency will provide instructions.
- 15 Generally, a simple statement of the purpose of the proposal will be sufficient. However, major proposals located in critical or sensitive areas may require a full analysis with additional specific information. The responsible agency will provide additional instructions.
- through 18 Providing this information in as much detail as possible will assist the Federal agency(ies) in processing the application and reaching a decision. When completing these items, you should use sound judgment in furnishing relevant information. For example, if the project is not near a stream or other body of water, do not address this subject. The responsible agency will provide additional instructions.

Application must be signed by the applicant or applicant's authorized representative.

If additional space is needed to complete any item, please put the information on a separate sheet of paper and identify it as "Continuation of Item".

1	SUPPLEMENTAL	Walland I	
(	: The responsible agency(ies) will provide additional instructions.	CHECK APP	ROPRIATE
•	I - PRIVATE CORPORATIONS	ATTACHED	FILED.
_ _	a. Articles of Incorporation		FILED
b	Corporation Bylaws ,		
c	A certification from the State showing the corporation is in good standing and is entitled to operate within the		
d	I. Copy of resolution authorizing filing		
	The name and address of each shareholder owning 3 percent or more of the shares, together with the number the name and address of each affiliate of the entity which such shareholder is authorized to vote and entity, the number of shares and the percentage of any class of voting stock of that affiliate controlled by the or indirectly, by that entity, and in the case of an affiliate which controls that entity, the number of shares and the percentage of any class of voting stock of that entity, the number of shares and the percentage of any class of voting stock of that entity owned, directly or indirectly, by the affiliate.		
f.	If application is for an oil or gas pipeline, describe any related right-of-way or temporary use permit appli-		
-	If application is for an oil and gas pipeline, identify all Federal lands by agency impacted by proposal.		
-	. II - PUBLIC CORPORATIONS	355618	
	Copy of law forming corporation		$\neg \neg$
	Proof of organization	$\exists$	
c.	Copy of Bylaws		
4	Copy of resolution authorizing filing		
	application is for an oil or gas pipeline, provide information required  y Item "I-f" and "I-g" above.		
=			
_	III - PARTNERSHIP OR OTHER UNINCORPORATED ENTITY	Bull You	
	Articles of association, if any dna		
·-	If one partner is authorized to sign, resolution authorizing action is	X	
c.	Name and address of each participant, partner, association, or other	X	
	If application is for an oil or gas pipeline, provide information required by Item "I-f" and "I-g" above.		

# \* If the required information is already filed with the agency processing this application and is current, check block entitled "Filed." Provide the file identification information (e.g., number, date, code, name). If not on file or current, attach the requested information.

#### NOTICE

The Privacy Act of 1974 provides that you be furnished the following information in connection with information required by this application for an authorization.

AUTHORITY: 16 U.S.C. 310; 5 U.S.C. 301.

PRINCIPLE PURPOSE: The information is to be used to process

an authorization. (2) Documentation for public information. (3) Transfer to appropriate Federal agencies when concurrence is required prior to granting a right in public lands or resources. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING INFORMATION: Disclosure of the information is voluntary. If all the information is not provided, the application may be rejected.

#### DATA COLLECTION STATEMENT

The Federal agencies collect this information from applicants requesting right-of-way, permit, license, lease, or certification for the use of Federal lands.

The Federal agencies use this information to evaluate the applicant's proposal.

The public is obligated to respond to this information request if they wish to obtain permission to use Federal lands.

94.7 MHz CHANNEL 234 C Kingman, Arizona February 1985

#### ENGINEERING STATEMENT

#### INTRODUCTION

This exhibit constitutes the engineering portion of an application to modify the existing construction permit of commercial FM broadcast station KZZZ, Kingman, Arizona, to move transmitter site, including the resulting change in height above average terrain and effective radiated power. Mohave Sun Broadcasting, licensee of KZZZ and permittee of an existing construction permit (BPH830907AF) to modify the licensed facilities, has retained the services of Ellis & Wiebe, P.C., Telecommunications Consulting Engineers, Aurora, Colorado, to prepare this engineering portion of the application.

The proposed operation is on FM Channel 234 C (94.7 MHz), the channel presently authorized by the KZZZ construction permit. The proposed Effective Radiated Power is 25.226 kilowatts with an overall Height Above Average Terrain of 3640.48 feet (1109.6 m).

The proposed site relocation will result in KZZZ operating with full Class C facilities as defined in FCC Docket 80-90. The site presently authorized by the KZZZ construction permit does not provide the required minimum height above average terrain for a Class C station. The site move requested herein will enable KZZZ to serve Kingman with full Class C facilities to provide optimum utilization of the Class C channel assigned to the city.

#### PROPOSED SITE

Exhibit 900 shows the proposed transmitter site, located approximately 11 miles southeast of Kingman. This site is the Hayden Peak Electronics Site, presently in use by numerous two way radio users and television translators. The geographic coordinates of the site, obtained from the existing facilities shown on the latest available U.S. Geological 7 1/2" topographic map and shown on Exhibit 900 are:

> N Lat 350 04' 52" W Lon 113° 54' 13"

This site is on the property of the U.S. Bureau of Land Management (BLM). Pages 7 through 11 of Exhibit 100 include a copy of the application for permit to use the BLM Land.

Exhibit 920 is a sketch of the proposed site location showing existing structures and electronics users. This sketch was provided by Mr. Michael Thompson of the Kingman BLM office.

The proposed site is in the general vicinity of the commercial transmitting and receiving equipment of various two-way radio communications users and television translators located at the The applicant will make every reasonable effort to prevent any interference problems between the existing and proposed facilities and will provide full cooperation to resolve any problems that occur as a direct result of the installation of the proposed facilities. The proposed overall tower height of 138' AGL was selected to minimize interference with existing electronic facilities at the site by maintaining at least 50° vertical clearance between the bottom element of the proposed FM antenna and the tallest existing antenna structure at the site (50' AGL). The BLM has expressed an interest of consolidating the existing two way radio facilities at the base of and possibly on the proposed tower. This would put the transmitting and receiving equipment of existing users directly below the proposed FM antenna, with a minimum of 50' vertical clearance, thus minimizing the possibility of undesirable interference or intermodulation products. Exhibits 280, 290 and 295 contain a more complete discussion of the electromagnetic compatibility of the proposed facilities at the Hayden Peak site.

Exhibit 210 shows the calculated distance from the proposed transmitter site to existing stations and allocations on pertinent cochannel, adjacent channel and intermediate frequency channels. All distances were computed according to the method prescribed in Section 73.208 of the FCC Rules. In compliance with Section 73.207, the proposed transmitter site meets all requirements for specified minimum distance spacing from other FM

#### PROPOSED FACILITIES

The cardinal profile radials were plotted on the latest available USGS topographic maps. The elevations located at a distance of two to ten miles from the transmitter site on each of these radials were taken at 0.1 mile increments. These elevations were then averaged for each radial to determine the height above average terrain for each radial. The overall height above average terrain for the eight cardinal radials is 3640.48 feet (1109.6 m).

The terrain profile on azimuth 315° True from the proposed transmitter site over the city of Kingman was examined in detail for possible shadowing of the community by the intervening In compliance with Section 73.315 (b), the proposed terrain. transmitter site provides unobstructed line of sight from the antenna to the community to be served. In addition, the proposed site provides unobstructed first Fresnel Zone clearance to provide a minimum of signal attenuation into Kingman.

The proposed tower is a tapered triangular cross section self supporting steel tower, 110 feet tall, with the three element antenna pole mounted for a height of the center of radiation of 122 feet above the ground (8502' MSL, 3640.48' HAAT).

The top element of the antenna is approximately three feet below the top of the pole mount, and a 3' lightning rod will be provided for the purpose of lightning protection. The bottom bay will be no less than 110 feet AGL, or approximately 50' above the tallest antenna structure at the site (considering differences in ground elevation) for the purpose of minimizing possible interference with existing electronic services.

The proposed antenna is a standard non-directional, pole mounted, three (3) element circularly polarized FM antenna with a gain of 1.5588 relative field. The use of a 3 bay antenna will eliminate the undesirable vertical radiation characteristics inherent in antennas with larger numbers of bays. Because of the wide vertical aperture of radiation, no beam tilt or null fill will be necessary, and none is proposed. Since no beam tilt or null fill is employed the vertical component of radiation is equal to or less than the horizontal components in all directions.

The proposed effective radiated power was computed based on maximum Class C facilities. Since the proposed height above average terrain (3640.48' or 1109.6 m) exceeds the maximum permitted Class C height of (1968' or 600 m), the equivalent ERP for maximum Class C facilities was computed to locate the 60 dBu contour at 57.05 miles (the equivalent of 100kW operating at 1968 feet or 600 m).

The proposed transmitter will operate with an output power of approximately 16.813 kW, based on an estimated transmission line efficiency of 96.25% (120 feet of 3" air dielectric) for an antenna input power of 16.183 kW, and an Effective Radiated Power of 25.226 kilowatts. Exact transmitter output power will be determined at the time of construction based on precise length of transmission line installed.

#### PROPOSED COVERAGE

Exhibit 220 shows the computed distances to the 70 dBu and 60 dBu contours based on the proposed facilities and the surrounding terrain. The computed distances are based on the F(50,50) curve of Section 73.333, Figure 1, of the FCC Rules. calculations were performed using an adaptation of the FCC computer program TVFMFS, "Field Strength Calculation for TV and FM Broadcasting". On radials with a height above average terrain of less than 100 feet, the minimum value of 100 feet from Figure l was used for the field intensity calculations. shows the proposed 70 dBu and 60 dBu coverage contours plotted on a map of the area. In compliance with Section 73.315 (a), the 70 dBu contour encompasses the entire community of Kingman. Exhibit 400 summarizes the areas and populations served by these

#### CONCLUSION

This application for modification of construction permit BPH830907AF for commercial FM broadcast station KZZZ to provide full class C service to Kingman, Arizona, has been prepared in complete compliance with Part 73 of the FCC Rules and Regulations as amended to date. Therefore, Mohave Sun Broadcasting requests that the presently authorized construction permit be modified to reflect operation with the facilities as specified in this

Respectfully submitted, Ellis & Wiebe, P.C.

Vikal Web PE.

Michael Wiebe, P.E. February 25, 1985

# DISTANCE TO PERTINENT FM STATIONS

FOR KINGMAN AZ N Lat 35:04:52.00 W Lon 113:54:13.00 HAYDEN PEAK CHANNEL 234 C

Output sorted by: Channel Distance State City

File records located beyond 350 km are not printed.

S1 	CITY	CALL	STAT	CHNL	DISTANCE (km)	REQUIRED DISTANCE	
E	3J MURCTA						
N	3J MURGIA 1V HENDERSON		HL	231A	337. 173	113. 000	
		KXII	LI	2310	337. 173 143. 337	105.000	
C	A BARSTOW				285. 685		
C	A BRAWLEY						
C	A BRAWLEY	NEW	AL	233B	277. 433	217.000	
C	A BRAWLEY	NEW	20	C335	289. 493	217.000	
C	A BRAWLEY	NEW	חר	C . S . S . E	704 400		
C	A A	MELI	00	2338	294. 459	217.000	
A	Z PHOENIX	KIDDI =M	nr LT	2338	295. 005	217.000	
		KOOLEN	L-T	5330	257. 531	241. 000	
A:	Z KINGMAN						
A:	Z KINGMAN	<b>ビファ</b> フ		2340	18. 510	290.000	SS
		1.222	UP	23400	17. 985	306, 090	33
	T CEDAR CITY	KBREFM	LI	2350	288. 282	241. 000	
CF	2 0004 5						
CF	SAN BERNARDINO SAN BERNARDINO SAN BERNARDINO WINSLOW YUMA YUMA	KOL =	פפ	2368	325. 120	105.000	
CF	SAN BERNARDING	KOLE	וד	2368	325. 120	105.000	
AZ	WINSLOW	KRTH	FT	2358	325. 120	105.000	
AZ	YUMA	KTTT	55	23600	248. 815	121.090	
AZ	YUMA	シアナン		23600	270. 136	121.090	
		18112	L1	=36CC	271. 602	121.090	
NV	BOULDER CITY	KPP-	CD	2000			
MA	RUULDER CITY	KPP"	CD	288H	133. 795	32.000	
RZ	WICKENBURG	KHBC	CP	588H			
CA	DESERT CENTER			288A			
BJ	CIUDAD MORELOS			288A		32.000	
UH	HEMET	KHUE	4	288A		40.000	
AZ	HEMET CASA GRANDE	KOOT	LI	288 <b>8</b>	320. 401	32.000	
AZ		NOU	1 1	~900	770 489		
		KIID	UP	288A	339. 880	32. 000	
					337. 88Ø	32. 000	

Ellis & Wiece, P.C.

Telecommunications Consulting Engineers 1010 S. Joliet Suite 204 Aurora CO 80012 (303) 367-1626

# COMPUTED DISTANCE TO CONTOURS

PROPOSED KZZZ - HAYDEN PEAK CHANNEL 234 25. 226 kW

Azimuth (Deg T)	HAAT ( m)	Relative Field	Equiv Power	Rough Correct	(50,50) 70.0dBu (km)	(50,50) 60.0dBu (km)
. 00	1131. 55	1. 000	25. 226	. 000	67. 21	92. 19
45. 00	909. 48	1. 000	25. 226	. 000	62. 88	87. 60
90. 00	1134. 24	1. 000	25. 226	. 000	67. 25	92. 24
135. 00	1063. 83	1. 000	25. 226	. 000	65. 99	90. 92
180.00	758. 48	1. 909	25. 226	. 000	58. 94	83. 37
225. 00	1202. 73	1. 000	25. 226	. 000	68. 39	93. 39
270. 00	1381. 66	1. 000	25. 226	. 000	71. 20	96. 05
315. 00	1294. 99	1. 000	25. 226	. 000	69. 84	94. 82
	1109.62 m	CARDINAL	avc			- 1. OL

1109.62 m CARDINAL AVG

# COMPUTED DISTANCE TO CONTOURS

PROPOSED KZZZ - HAYDEN PEAK CHANNEL 234 25. 226 KM

Azimuth (Deg T)	HAAT (ft)	Relative Field	Equiv Power	Rough Correct	(50,50) 70.0dBu (mi)	(50,50) 60.0dBu (mi)	
. 99	3712. 43	1. 000	25. 226	. 000	41. 77	57. 30	
45. 00	2983. 85	1. 999	25. 226	. 000	39. 08	54. 44	
90. 00	3721. 26	1. 999	25. 226	. 000	41. 80	57. 33	
135. 00	3490. 27	1. 000	25. 226	. 000	41. 01	56. 51	
180. 00	2488. 44	1. 000	25. 226	. 000	36. 63	51. 81	
225. 00	3945. 95	1. 000	25. 226	. 000	42. 50	58. 05	
270. 99	4532, 99	1. 000	25. 226	. 000	44. 25	59. 70	
315. 00	4248. 67	1. 000	25. 226	. 000	43. 41	58. 93	
	3640. 48ft	CARDITNAL	auc			- 3. 70	

3640. 48ft CARDINAL AVG

94.7 MHz CHANNEL 234 C Kingman, Arizona February 1985

# ELECTROMAGNETIC COMPATIBILITY STUDY

In order to investigate the suitability of the use of a new frequency at an existing electronics site, several factors must be considered. These include receiver desensitization due to fundamental overload, generation of intermodulation products, and susceptibility of existing equipment to interference.

In the discussion that follows, it should be remembered that while the problems under consideration are mathematically possible, a certainty of interference is clearly not implied. The purpose of a study and discussion of this type is to predict and anticipate the more likely problem areas. Experience has clearly demonstrated that the successful operation of congested radio and television transmitting/receiving sites is very common, even when predicted interference studies indicate the possibility of problems. These types of multi-user sites routinely involve both high powered broadcast facilities and relatively low powered two way radio communications.

This type of electromagnetic compatibility study is essential prior to construction at a multi user installation. Without adequate advance study, unforeseen problems may surface after the installation is complete, and the lack of a coherent plan for their resolution would result in great inconvenience to all offended users. Such a study as this is as important to the operators of high power facilities, as well as lower powered equipment, since the complexity of the typical FM or television signal can be disrupted by very low levels of spurious radiation, rendering subcarriers unusable.

Also, it should be remembered that the resolution of problems that do materialize is based on well established techniques which have been thoroughly proven. The vast majority of such problems are remedied by the use of relatively simple filters and traps installed on the appropriate equipment. Careful analysis of any problem which might arise will allow the logical application of the principles of good engineering practice.

# Receiver Desensitization

The most common source of interference problems at multi-user sites is the desensitization of receivers due to the overload of their front end detection circuits by the presence of high levels of the offending carrier signal. The high power signal saturates the circuitry, driving the signal levels in the affected components beyond their normal operating range, so that normal variations from the modulation of the desired received signal cannot be detected. This type of problem is a function of the frequency separation of the high powered carrier from the desired receiver frequency, the physical separation between the

transmitting antenna and the receiver, and the power levels involved.

In the case of the present proposal, several factors indicate that receiver desensitization is not anticipated as a serious problem. First, the proposed fundamental operating frequency (94.7 MHz) is approximately 13 MHz (more than twice the 6 MHz television channel bandwidth) from the nearest existing received frequency (81.74 MHz, the aural carrier, and 77.24 MHz, the visual carrier for channel 5 (with -10 kHz frequency offset), received by translator K66AK). All other received frequencies are on the order of 30 MHz or greater removed. proposed location is approximately 100 to 150 feet from existing Second, the receiving equipment (see Exhibit 920). While this separation is not a great distance, it will contribute to the attenuation of the proposed signal. Finally, the effective radiated power of the proposed facility is 25.226 kilowatts. However, the vertical radiation pattern of the proposed three element antenna results in a pattern minimum at an angle of depression of 200 below the horizontal plane.

Considering the proposed height of the center of radiation of 122' AGL, the differences in elevation at various locations at the Hayden Peak site, the angle of depression between the proposed antenna and existing antennas (estimated 30' AGL) is between approximately 25° and 36°, or in the immediate vicinity of a vertical direction with minimal radiation. Based on the vertical radiation characteristics supplied by manufacturer's literature for typical three element antennas, the field from the proposed antenna and the existing receiving equipment is approximately 21-23%, or approximately 5% of the effective radiated power (1.31 kW). This power level is on the same order of magnitude of the power levels currently in use for the outputs of several television translators currently operating at the site (K70AC, 1.14 kW; K66AK, 0.826 kW; K78AC, 1.15 kW).

Thus, the proposed facility is not a radical departure from the conditions presently found at the site, and fundamental carrier frequency signal levels are not anticipated to cause interference problems resulting in the desensitization of receiving equipment. Furthermore, if, as has been suggested by BLM, the existing equipment is consolidated at or on the proposed tower 50 to 75 feet directly below the proposed antenna, the radiation in the vertical plane toward the receiving equipment will be further substantially reduced, due to the vertical radiation characteristics of the FM antenna (theoretically zero at 90°), and the increased isolation between the various antennas achieved by increased vertical separation.

#### Intermodulation Products

Intermodulation products are the frequencies generated by the combination of two or more frequencies in a non-linear device, such as the output stage of a transmitter, or the input stage of a receiver. Whenever two or more signals are present in a non-

linear device, the possibility exists that an intermodulation product will be spontaneously generated as some combination of sums and/or differences between the frequencies involved. contributing frequencies can be fundamental carrier frequencies of transmitters in the vicinity, or they can be harmonic products of those carriers (twice the frequency, three times, etc.).

Exhibit 290 tabulates the results of an intermodulation products study evaluating the proposed and existing facilities at the Hayden Peak site, considering the proposed frequency through the ninth harmonic, and all existing transmitting frequencies and their second harmonics, taken in all possible combinations of the proposed facilities and one other transmitting frequency. The possible intermodulation products are then compared to all existing receive frequencies used at the site to determine possible areas requiring attention. All received frequencies at Hayden peak are compared to the various computed possible products, including visual and aural received carrier frequencies and chrominance subcarrier frequencies for television translators The bandwidths considered are shown on Exhibit 290. last page of Exhibit 290 is a summary of the results, organized by television translator received channels, of possible products within the channel's bandwidth.

Exhibit 295 tabulates the results of an intermodulation products study evaluating the proposed and existing facilities at the Hayden Peak site, considering the proposed frequency through the ninth harmonic, and all existing transmitting frequencies and their second harmonics, taken in all possible combinations of the proposed facilities and two other transmitting frequencies. possible intermodulation products are then compared to all existing receive frequencies used at the site to determine possible areas requiring attention. All received frequencies at Hayden peak are compared to the various computed possible products, including visual and aural received carrier frequencies and chrominance subcarrier frequencies for television translators The bandwidths considered are shown on Exhibit 295. (Narrower bandwidths were employed in the three frequency study in order to focus on the worst case possibilities while limiting the number of combinations to evaluate to a manageable size.)

In evaluating the possible interference resulting from the mathematical combinations computed, several factors are pertinent. The power reduction of the proposed fundamental frequency due to considerations of the antenna's vertical radiation pattern discussed above also apply to this case. effective power levels radiated from the proposed antenna in the direction of the receiving equipment is on the same order of magnitude as existing transmitting equipment and should not cause radically higher levels of interference from intermodulation Intermodulation products generated in existing receivers resulting from the fundamental carrier frequency can be substantially reduced or eliminated through the use of notch filters, as discussed below. Since the power levels anticipated are on the same order of magnitude as other signals present, the

selective attenuation achieved by the use of filters will provide adequate protection.

Those possible intermodulation products shown in Exhibit 290 and Exhibit 295 resulting from the combinations of second and higher order harmonics from proposed and/or existing equipment are of extremely low probability because of the stringent FCC regulations regarding spurious radiation and the suppression of harmonic frequencies. Television translators operating at powers greater than 100 Watts must suppress harmonic radiation by at least 60 dB (Section 74.736 of the FCC Rules). Private land mobile (two-way radio) equipment (Section 90.209) must suppress harmonic radiation removed by 250% of their bandwidth by 80 dB or the computed value of:

43 dB + 10 Log (output power in Watts),

whichever is less.

The same requirement is imposed on FM broadcast facilities for frequencies greater than 600 kHz from the fundamental. proposed FM broadcast facilities must limit harmonic radiation by 80 dB (1/100,000,000) below the power of the fundamental frequency. Thus, the signal levels of harmonic radiation from properly adjusted and operating equipment are attenuated to levels far below normal operating signal levels, and provide minimal contribution to generate intermodulation products.

The computed possible intermodulation products which occur directly on existing received frequencies are noted on Exhibits 290 and 295 with arrows. It should be noted that of the 47 resultants so noted, the majority (32) involve fourth or higher order harmonics. The required attenuation of these harmonics discussed above greatly reduce the probability that any such products will actually materialize.

The remaining 15 products which involve fundamental, second and third harmonics of the proposed frequency are tabulated below: Fundamental Component:

65.7600 MHz - Channel 3 aural carrier (+10 kHz offset) 172.7750 MHz 469.4000 MHz 469.6000 MHz 469.7000 MHz 469.8500 MHz Second Harmonic Component:

205.2400 MHz - Channel 12 visual carrier (-10 kHz offset) 205.2400 MHz (Two possible occurrences) 517.7500 MHz - Channel 21 aural carrier

# Third Harmonic Component:

164.7250 MHz 168.3000 MHz 187.2500 MHz - Channel 9 visual carrier (not currently in use) 735.2500 MHz - Channel 58 visual carrier 739.7500 Mhz - Channel 58 aural carrier

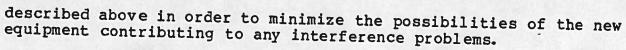
The applicant recognizes the potential for interfering intermodulation products on these frequencies. Special care will be exercised during the installation and testing of the proposed facilities to minimize harmful interference caused by the new equipment and appropriate filtering measures will be taken to remedy problems that develop as a direct result of the installation of the new equipment. Other possible intermodulation products not directly on frequency but within the bandwidth of existing receivers will also be treated.

# Susceptibility of Equipment

Another common contributing factor in cases of mutual interference between electronic equipment at shared transmit and receive sites is the general condition and the quality of installation of the existing and new equipment. Ungrounded or improperly grounded metal buildings, chain link fences, plumbing, supporting tower sections, sheet metal roofing, etc., can result reradiation of fundamental as well as harmonic signals, producing destructive spurious radiation. All such features at any transmitter site should be carefully bonded together and grounded to minimize such possibilities. Likewise, the electrical power supply wiring at the site must be properly installed with fixtures, conduits, and other non-current carrying metal parts be securely bonded and grounded to an adequate earth ground.

The most critical components in reducing susceptibility of equipment are obviously the electronic equipment itself. All equipment must be properly adjusted, shielded and grounded to reduce the possibility of stray radiation either radiating from the equipment or penetrating into the equipment. All portions of coaxial cable connecting transmit/receive equipment with antennas should be kept as short as possible, installed directly from the antenna to the respective equipment, and properly supported, shielded and grounded. All mechanical connections between cables, antenna, terminals, plugs and connectors should be tight. All equipment covers and other shielding features should be in place and fastened securely and firmly connected to ground. Any treatment of this nature will not only minimize or resolve susceptibility to interference, but will also maximize performance of the equipment.

The applicant will install all equipment for the proposed facilities in accordance with good engineering practice as



#### Elimination of Interference

Interference experienced as a result of the interaction of various electronic equipment at a multi-user transmit/receive site may be substantially reduced or eliminated by the judicious use of appropriate filtering apparatus. Spurious radiation products which are generated in the input stage of a receiver may be suppressed by the use of a notch filter(s) at the input terminals to attenuate the undesired components of other frequencies which contribute to the spurious product. Alternately, when a large number of components are involved, or when the exact nature of the interfering signals is not clearly defined, a narrow band pass filter may be used to selectively pass only the desired received frequency.

Likewise, spurious radiation components generated in the output of transmitting equipment may be reduced to levels which do not cause objectionable interference by the use of notch and/or band pass filters on the transmitter output.

Harmful interference resulting from equipment susceptibility problems, improper grounding, inadequate or missing shielding, etc., can obviously be remedied by the application of simple repair and preventative maintenance procedures.

Because neither the proposed fundamental frequencies nor any of its harmonics fall directly on any frequency presently received at the site, the well established filtering techniques employed to remedy problems encountered at multi-user sites may be used to solve any objectionable interference problems which may arise.

Likewise, no proposed frequency or harmonic falls directly on any of the received frequencies presently in use at the Potato Patch electronics site, located approximately 0.89 miles away. Also, due to the difference in elevation between the proposed antenna at Hayden Peak and the Potato Patch site, the vertical radiation pattern of a typical three element antenna will result in reduced power radiated toward the Potato Patch site (approximately 45% of the horizontal ERP at 9° depression angle). This reduction and the distance separation between the sites indicates that no harmful interference will be caused at the separate Potato Patch site as a result of the proposed installation.

#### Proposed Facilities

The proposed facilities will be installed in complete compliance with FCC Rules and Regulations, and in accordance with principles of good engineering practice, in order to minimize the possibility of objectionable interference between the new equipment and other existing equipment presently in use at the site. In the event that objectionable interference is experienced, the applicant will cooperate to the fullest extent

to determine the cause of the interference. This determination will be made by observing the interference problem, through the use of a spectrum analyzer in conjunction with directional antenna equipment if such is required to precisely isolate the exact source of the problem.

The applicant will assist in determining the best solution to any interference problems experienced as a direct result of the new installation proposed herein. The applicant will bear the responsibility for correction of any problem which is a direct result of the new installation. The applicant will assist other users at the site in locating problems of susceptibility in their equipment. Every effort will be made to accomplish multi user operation at the site which is satisfactory to all parties involved.

#### INTERMODULATION STUDY

THIS STUDY CHECKS COMBINATIONS OF ANY TWO TRANSMITTING FREQUENCIES (INCLUDING HARMONICS) AGAINST SPECIFIED RECEIVED FREQUENCIES. ANY SUM WITHIN .050 MHz OF A RECEIVED FREQUENCY IS PRINTED FOR STUDY. (OR WITHIN .200 MHz OF FM CHANNELS, 3.000 MHz OF TV CHANNELS)

1	RANSMITT	ING FACILI	TTEC	DEGENERAL		Ī
C	ALL	FREQ (MHz			FACILITIES	
				CALL	FREQ (MHz)	
K	ZZZ	94. 7009	9 9	DC204		
T	X001	47. 8208		RC001	48. 3800	
T	X002	35. 1609		RC002 RC003	35. 1600	
T	X003	47. 7408		RC004	48. 2400	
	X004	45. 2000		RC005	45. 2000	
	X005	146. 7600		RC006	39. 5000	
T	X006	152. 1200		RC007	146. 1600	
T	X007	153, 2000		RC008	158. 5800	
T	X008	154. 3550		RC009	158. 2800	
T	X009	155, 9700		RC010	153. 8900	
T	X010	156. 1500		RC011	155. 9700	
	X011	158. 3100		RC012	155. 5350	
T	X012	159. 1350		RC013	153. 2900	
T:	KØ13	164. 1500		RCØ14	156. 0450	
	<b>4014</b>	163. 6750		RC015	164. 9375	
T:	<b>4015</b>	172. 9500		RC016	162. 9250	
T	<b>KØ16</b>	413. 6750	2	RC017	172. 1500	
T	<b>1017</b>	451. 7750		RC018	408. 3000	
T>	( <b>01</b> 8	464. 4000		RC019	456. 7750	
	(019	464. 6000	2	RC020	469. 4000	
	(020	464. 7001	2	RCØ21	469. 6001	
	021	464. 8499	2	RC022	469. 7000	
	150 Y	687. 2500	2	CH12-V	469, 8500	
	150 A	691. 7500	2	CH12-C	205. 2400	
	160 V	747. 2500	2	CH12-A	208. 8195	
	60 A	751. 7501	2	CH58 V	209. 7400	
	66 V	783. 2500	2	CH28 C	735. 2500	
CH	66 A	787. 7500	2	CH58 A	738, 8295	
CH	68 V	795. 2501	2	CH05-V	739. 7500	
	68 A	799. 7500	2	CH05-C	77. 2400	
	70 V	807. 2501	2	CH05-A	80. 8195	
	70 A	811. 7501	ē	CH08+V	81. 7400	
CH	78 Y	855. 2500	ē	CH08+C	181. 2600	
CH	78 A	859. 7500	ē l	CH08+A	184. 8395	
CH		879. 2501	2	CH03+V	185. 7600	
	82 A		2	CH03+C	61. 2600	
	9038		2	CH03+6	64. 8395	
	039 <u>1</u>		2	CH10-V	65. 7600	
TX			2	CH10-C	193. 2400	
					196. 8195	

# INTERMODULATION STUDY

THIS STUDY CHECKS COMBINATIONS OF ANY TWO TRANSMITTING FREQUENCIES (INCLUDING HARMONICS) AGAINST SPECIFIED RECEIVED FREQUENCIES. ANY SUM WITHIN .050 MHz OF A RECEIVED FREQUENCY IS PRINTED FOR STUDY. (OR WITHIN .200 MHz OF FM CHANNELS, 3.000 MHz OF TV CHANNELS)

CALL	TTING FACILITIES FREQ (MHz)	CALL	FACILITIES FREQ (MHz)
TX041	12489. 9995 2	 CH10-A	
TXØ42	12510.0004 2	RC035	197. 7400
TX043	12730.0000 2	RC036	12250. 0002
TX044	12899, 9996 2	RC036	12230. 0004
TX045	12774. 9991 2	RC038	12269. 9999
TXØ46	12875. 0002 2	CH09 V	12209. 9995
TX047	12925.0001 2		187. 2500
TXØ48	48. 7400 2	CHØ9 C	190. 8295
TX049	1875.0000 2	CH09 A	191. 7500
TX050	1885. 0000 2	CH13 V	211. 2500
TX051	1950.0000 2	CH13 C	214. 8295
TX052	169. 6250 2	CH13 A	215. 7500
X053	169. 1000 2	CH15-Y	477. 2400
X954	417. 6750 2	CH15-C	480. 8195
X055	164. 2000 2	CH15-A	481. 7401
X056	168. 3000 2	CH21 Y	513. 2500
X957	169. 2250 2	CH21 C	516, 8294
X058	419. 7750 2	CH21 A	517. 7500
X059	467. 2750 2	RC047	48. 7400
X060	164. 5750 2	RC048	1895. 0000
X061	417. 2750 2	RC049	1945. 0000
	.21. E139 E	RC050	1985. 0001
		RC051	172. 7750
		RC052	169. 1000
		RC053	414. 8250
		RC054	164. 1250
		RC055	408. 5750
		RC056	164. 7250
		RC057	168. 3000
		RC058	414. 9750
		RC059	462. 2750
		RC060	2168. 7998

## INTERMODULATION STUDY

190. 3400 1( 94.7000) 2( 47.8200) NOTE: 2.9000 MHz FROM RECEIVED FREQUENCY CH10-V 47.8200) NOTE: 3400 1( 94.7000) 2( 47.8200) NOTE: 3400 1( 94.7000) -2( 47.8200) NOTE: 32.7000 MHz FROM RECEIVED FREQUENCY CH09 A 191.7500 188.4600 3( 94.7000) -2( 47.8200) NOTE: 32.8000 MHz FROM RECEIVED FREQUENCY CH09 V 187.2500 NOTE: 32.8000 MHz FROM RECEIVED FREQUENCY CH09 V 187.2500 NOTE: 32.8000 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295 NOTE: 32.8000 MHz FROM RECEIVED FREQUENCY CH15-V 477.2400 189.3800 6( 94.7000) -1( 47.8200) NOTE: 32.8000 MHz FROM RECEIVED FREQUENCY CH15-V 477.2400 189.3800 6( 94.7000) -1( 35.1600) NOTE: 3.7000 MHz FROM RECEIVED FREQUENCY CH21 A 517.7500 181.7000 3( 94.7000) -2( 35.1600) NOTE: 3.8000 MHz FROM RECEIVED FREQUENCY CH31 V 211.2500 181.7000 3( 94.7000) -2( 35.1600) NOTE: 3.9000 MHz FROM RECEIVED FREQUENCY CH13 V 211.2500 180.1000 1( 94.7000) 2( 35.1600) NOTE: 3.9000 MHz FROM RECEIVED FREQUENCY CH13 R 215.7500 190.1800 1( 94.7000) 2( 35.1600) NOTE: 3.9000 MHz FROM RECEIVED FREQUENCY CH13 R 215.7500 190.1800 1( 94.7000) 2( 35.1600) NOTE: 3.9000 MHz FROM RECEIVED FREQUENCY CH3 A 215.7500 190.1800 1( 94.7000) 2( 37.7400) NOTE: 3.9000 MHz FROM RECEIVED FREQUENCY CH09 V 187.2500 190.1800 1( 94.7000) 2( 47.7400) NOTE: 3.9000 MHz FROM RECEIVED FREQUENCY CH09 V 187.2500 188.6200 3( 94.7000) -2( 47.7400) NOTE: 3.9000 MHz FROM RECEIVED FREQUENCY CH09 V 187.2500 188.6200 3( 94.7000) -2( 47.7400) NOTE: 3.9000 MHz FROM RECEIVED FREQUENCY CH09 V 187.2500 NOTE: 3.9000 MHz FROM RECEIVED FREQUENCY CH09 V 187.2500 NOTE: 3.9000 MHz FROM RECEIVED FREQUENCY CH09 V 187.2500 NOTE: 3.9000 MHz FROM RECEIVED FREQUENCY CH09 V 187.2500 NOTE: 3.9000 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295 NOTE: 3.9000 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295 NOTE: 3.9000 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295 NOTE: 3.9000 MHz FROM RECEIVED FREQUENCY CH09 C	FRE	EQ.	(MHz)		ONENTS						
NOTE: 2.9000 MHz FROM RECEIVED FREQUENCY CH18-V 193.2400 1 94.7000) 2 47.8200) 109.3400 1 94.7000) 2 47.8200) 109.3400 1 94.7000) 2 47.8200) 109.3400 1 94.7000) 2 47.8200) 109.3400 3 1094.7000) 2 47.8200) 109.3400 3 1094.7000) 2 47.8200) 1094.7000 3 1094.7000) -2 1094.7000 3 1094.7	1	90	. 3400			34					
MOTE: 4895 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295  190.3400 1( 94.7000) 2( 47.8200)  NOTE: 1.4100 MHz FROM RECEIVED FREQUENCY CH09 R 191.7500  180.4600 3( 94.7000) -2( 47.8200)  NOTE: 1.2100 MHz FROM RECEIVED FREQUENCY CH09 P 187.2500  NOTE: 1.2100 MHz FROM RECEIVED FREQUENCY CH09 V 187.2500  NOTE: 2.3695 MHz FROM RECEIVED FREQUENCY CH09 V 187.2500  NOTE: 2.3695 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295  474.4400 4( 94.7000) -2( 47.8200)  NOTE: 2.8000 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295  474.4400 4( 94.7000) -1( 47.8200)  NOTE: 2.8000 MHz FROM RECEIVED FREQUENCY CH15-V 477.2400  520.3800 6( 94.7000) -1( 35.1600)  NOTE: 2.6300 MHz FROM RECEIVED FREQUENCY CH15-V 477.2400  47.8200)  NOTE: 1.7200 MHz FROM RECEIVED FREQUENCY CH13-V 477.2400  59.5400 1( 94.7000) -2( 35.1600)  NOTE: 2.5300 MHz FROM RECEIVED FREQUENCY CH13 V 211.2500  NOTE: 1.0495 MHz FROM RECEIVED FREQUENCY CH13 V 211.2500  NOTE: 1.9700 MHz FROM RECEIVED FREQUENCY CH13 C 214.8295  NOTE: 1.9700 MHz FROM RECEIVED FREQUENCY CH13 C 214.8295  NOTE: 2.9300 MHz FROM RECEIVED FREQUENCY CH13 R 215.7500  NOTE: 2.9300 MHz FROM RECEIVED FREQUENCY CH13 R 215.7500  NOTE: 2.9300 MHz FROM RECEIVED FREQUENCY CH13 R 215.7500  NOTE: 2.9300 MHz FROM RECEIVED FREQUENCY CH99 V 187.2500  190.1800 1( 94.7000) 2( 47.7400)  NOTE: 1.5700 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295  NOTE: 1.5700 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295  NOTE: 1.5700 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295  NOTE: 2.8600 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295  NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295  NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295  NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295  NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295  NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295  NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295  NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295  NOTE: 2.665 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295						, SECETIF	47. 8200)				
NOTE: 4895 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 94. 7000) 2 47. 8200)  NOTE: 1. 4100 MHz FROM RECEIVED FREQUENCY CH09 A 191. 7500 94. 7000) -2 47. 8200)  NOTE: 2. 7000 MHz FROM RECEIVED FREQUENCY CH09 A 191. 7500 94. 7000) -2 47. 8200)  NOTE: 3. 4600 3 94. 7000) -2 47. 8200)  NOTE: 1. 2100 MHz FROM RECEIVED FREQUENCY CH09 V 187. 2500 94. 7000) -2 47. 8200)  NOTE: 2. 3695 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 94. 7000) -1 47. 8200)  NOTE: 2. 6300 MHz FROM RECEIVED FREQUENCY CH15-V 477. 2400 94. 7000) -1 478. 8200)  NOTE: 2. 6300 MHz FROM RECEIVED FREQUENCY CH15-V 477. 2400 94. 7000) -1 478. 8200)  NOTE: 2. 6300 MHz FROM RECEIVED FREQUENCY CH15-V 477. 2400 94. 7000) -1 478. 8200)  NOTE: 3. 6300 MHz FROM RECEIVED FREQUENCY CH15-V 477. 2400 94. 7000) -2 478. 8200)  NOTE: 3. 6300 MHz FROM RECEIVED FREQUENCY CH15-V 477. 2400 94. 7000) -2 478. 8200)  NOTE: 3. 6300 MHz FROM RECEIVED FREQUENCY CH15-V 477. 2400 94. 7000) -2 478. 8200)  NOTE: 3. 6300 MHz FROM RECEIVED FREQUENCY CH15-V 477. 2400 94. 7000) -2 478. 8200)  NOTE: 4. 6495 MHz FROM RECEIVED FREQUENCY CH13 V 211. 2500 94. 7000) -2 478. 8200)  NOTE: 5. 6300 MHz FROM RECEIVED FREQUENCY CH13 C 214. 8295 94. 7000) -2 478. 8200)  NOTE: 6. 6495 MHz FROM RECEIVED FREQUENCY CH13 C 214. 8295 94. 7000) -2 478. 8200)  NOTE: 6. 6495 MHz FROM RECEIVED FREQUENCY CH13 C 214. 8295 94. 7000) -2 478. 8200  NOTE: 1. 6495 MHz FROM RECEIVED FREQUENCY CH13 C 214. 8295 94. 7000) -2 478. 8200  NOTE: 1. 6495 MHz FROM RECEIVED FREQUENCY CH09 V 187. 2500 94. 7000) -2 478. 7400)  NOTE: 2. 9300 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 94. 7000) -2 478. 7400)  NOTE: 2. 6495 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 94. 7000) -2 478. 7400)  NOTE: 2. 8600 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 94. 7000) -2 478. 7400)  NOTE: 2. 2995 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 94. 7000) -2 478. 7400)  NOTE: 2. 9600 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 94. 7000) -2 478. 7400)  NOTE: 2. 9600 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 94. 7000) -2 478. 7400)  N	1	.90	3400	10	94 7000	YECETAE!	PREQUENC	Y CH18	3-V	193	2400
NOTE: 1. 4100 MHz FROM RECEIVED FREQUENCY CH09 A 191. 7500 NOTE: 2. 7000 MHz FROM RECEIVED FREQUENCY CH09 A 195. 7600 NOTE: 1. 2100 MHz FROM RECEIVED FREQUENCY CH09 V 187. 2500 NOTE: 1. 2100 MHz FROM RECEIVED FREQUENCY CH09 V 187. 2500 NOTE: 2. 3695 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 NOTE: 2. 3600 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 NOTE: 2. 6300 MHz FROM RECEIVED FREQUENCY CH15-V 47. 2400 NOTE: 2. 6300 MHz FROM RECEIVED FREQUENCY CH15-V 47. 2400 NOTE: 1. 7200 MHz FROM RECEIVED FREQUENCY CH21 A 517. 7500 NOTE: 1. 7200 MHz FROM RECEIVED FREQUENCY CH21 A 517. 7500 NOTE: 1. 7200 MHz FROM RECEIVED FREQUENCY CH31 V 211. 2500 NOTE: 1. 8400				. 489	5 MH= FROM	. E.	47. 8200)				
NOTE: 1. 4100 MHZ FROM RECEIVED FREQUENCY CH09 A 191. 7500 198. 4600 3( 94. 7000) -2( 47. 8200) NOTE: 2. 7000 MHZ FROM RECEIVED FREQUENCY CH09 V 187. 2500 NOTE: 2. 3695 MHZ FROM RECEIVED FREQUENCY CH09 V 187. 2500 NOTE: 2. 3695 MHZ FROM RECEIVED FREQUENCY CH09 V 187. 2500 NOTE: 2. 3695 MHZ FROM RECEIVED FREQUENCY CH09 C 190. 8295 NOTE: 2. 3690 MHZ FROM RECEIVED FREQUENCY CH09 C 190. 8295 NOTE: 2. 3690 MHZ FROM RECEIVED FREQUENCY CH09 C 190. 8295 NOTE: 2. 6300 MHZ FROM RECEIVED FREQUENCY CH15-V 477. 2400 NOTE: 2. 5300 MHZ FROM RECEIVED FREQUENCY CH15-V 477. 2400 NOTE: 1. 7200 MHZ FROM RECEIVED FREQUENCY CH15-V 477. 2400 NOTE: 2. 5300 MHZ FROM RECEIVED FREQUENCY CH09 C 190. 8295 NOTE: 1. 947000) -2( 35. 1600) NOTE: 1. 947000) -2( 35. 1600) NOTE: 1. 9490 MHZ FROM RECEIVED FREQUENCY CH13 V 211. 2500 NOTE: 1. 9400 MHZ FROM RECEIVED FREQUENCY CH13 C 214. 8295 NOTE: 2. 9300 MHZ FROM RECEIVED FREQUENCY CH13 C 214. 8295 NOTE: 2. 9300 MHZ FROM RECEIVED FREQUENCY CH13 C 214. 8295 NOTE: 2. 9300 MHZ FROM RECEIVED FREQUENCY CH13 R 215. 7500 NOTE: 2. 9300 MHZ FROM RECEIVED FREQUENCY CH13 R 215. 7500 NOTE: 2. 9300 MHZ FROM RECEIVED FREQUENCY CH13 R 215. 7500 NOTE: 2. 9300 MHZ FROM RECEIVED FREQUENCY CH09 V 187. 2500 NOTE: 3. 6495 MZ FROM RECEIVED FREQUENCY CH09 V 187. 2500 NOTE: 3. 5400 NOTE: 3. 540	1	90.	3400	10	94 7000	VECETAE!	FREQUENCY	CHOS	9 C	190	8295
NOTE: 2.7000 MHz FROM RECEIVED FREQUENCY CH08+A 185.7600 188.4600 3( 94.7000) -2( 47.8200) NOTE: 1.2100 MHz FROM RECEIVED FREQUENCY CH09 V 187.2500 NOTE: 2.3695 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295 NOTE: 2.8000 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295 NOTE: 2.8000 MHz FROM RECEIVED FREQUENCY CH15-V 477.2400 NOTE: 2.8000 MHz FROM RECEIVED FREQUENCY CH15-V 477.2400 NOTE: 2.5300 MHz FROM RECEIVED FREQUENCY CH15-V 477.2400 NOTE: 2.5300 MHz FROM RECEIVED FREQUENCY CH13+V 61.2600 NOTE: 1.7200 MHz FROM RECEIVED FREQUENCY CH03+V 61.2600 NOTE: 1.7200 MHz FROM RECEIVED FREQUENCY CH13 V 211.2500 NOTE: 1.9405 MHz FROM RECEIVED FREQUENCY CH13 V 211.2500 NOTE: 1.9405 MHz FROM RECEIVED FREQUENCY CH13 C 214.6295 NOTE: 2.3000 MHz FROM RECEIVED FREQUENCY CH13 C 214.6295 NOTE: 2.3000 MHz FROM RECEIVED FREQUENCY CH13 C 214.6295 NOTE: 2.3000 MHz FROM RECEIVED FREQUENCY CH13 C 214.6295 NOTE: 2.3000 MHz FROM RECEIVED FREQUENCY CH13 C 214.6295 NOTE: 2.3000 MHz FROM RECEIVED FREQUENCY CH13 C 214.6295 NOTE: 2.3000 MHz FROM RECEIVED FREQUENCY CH13 C 214.6295 NOTE: 2.3000 MHz FROM RECEIVED FREQUENCY CH13 C 214.6295 NOTE: 2.3000 MHz FROM RECEIVED FREQUENCY CH09 V 187.2500 NOTE: 3.4000 2( 47.7400) NOTE: 3.5000 MHz FROM RECEIVED FREQUENCY CH09 V 187.2500 NOTE: 3.5000 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295 NOTE: 3.5000 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295 NOTE: 3.5000 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295 NOTE: 3.5000 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295 NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295 NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295 NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295 NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295 NOTE: 2.7100 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295 NOTE: 2.7100 MHz FROM RECEIVED FREQUENCY CH15-V 477.7400 NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH15-V 477.7400 NOTE: 2.7100 MHz FROM RECEIVED FREQUENCY CH15-V 477.7400 NOTE: 2.7600 MHz FROM RECEIVED FREQUENCY CH15-V 477.7400 NOTE: 2.7600 MHz FROM RECEIVED FREQUENCY CH15-V 477			NOTE:	1. 410	MH7 FROM	. E. I PECETUER	47.8200)				
NOTE: 2.7000 MHz FROM RECEIVED FREQUENCY CH09+0 185.7600 188.4600 3( 94.7000) -2( 47.8200) 188.4600 3( 94.7000) -2( 47.8200) 188.4600 3( 94.7000) -2( 47.8200) 189.8295 189.4000 189.8295 189.4000 189.8295 189.82	1	88.	4600	3(	94 7000)	-3(	FREQUENCY	, CH@S	A	191.	7500
NOTE: 1. 2100 MHz FROM RECEIVED FREQUENCY CH09 V 187. 2500 MHz FROM RECEIVED FREQUENCY CH09 V 187. 2500 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 MHz FROM RECEIVED FREQUENCY CH15-V 477, 2400 S 200 MHz FROM RECEIVED FREQUENCY CH15-V 477, 2400 MHz FROM RECEIVED FREQUENCY CH15-V 477, 2400 MHz FROM RECEIVED FREQUENCY CH21 A 517. 7500 MHz FROM RECEIVED FREQUENCY CH21 A 517. 7500 MHz FROM RECEIVED FREQUENCY CH3 V 211. 2500 MHz FROM RECEIVED FREQUENCY CH3 V 211. 2500 MHz FROM RECEIVED FREQUENCY CH13 V 211. 2500 MHz FROM RECEIVED FREQUENCY CH13 C 214. 8295 MHz FROM RECEIVED FREQUENCY CH3 C 214. 8295 MHz FROM RECEIVED FREQUENCY CH09 V 187. 2500 MHz FROM RECEIVED FREQUENCY CH09 V 187. 2500 MHz FROM RECEIVED FREQUENCY CH09 V 187. 2500 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 MHz FROM RECEIVED FREQUENCY CH09 A 191. 7500 MHz FROM RECEIVED FREQUENCY CH09 A 191. 7500 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 MNTE: 1. 5700 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 MNTE: 2. 2030 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 MNTE: 2. 2030 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 MNTE: 2. 2030 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 MNTE: 2. 2030 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 MNTE: 2. 2030 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 MNTE: 2. 2030 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 MNTE: 2. 2030 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 MNTE: 2. 2030 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 MNTE: 2. 2030 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 MNTE: 2. 2030 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 MNTE: 2. 2030 MHz FROM RECEIVED FRE			NOTE:	2. 7999	MH- FROM	PECETUER	47.8288)				
188. 4600 3( 94.7000) -2( 47.8200)  NOTE: 2.3695 MHZ FROM RECEIVED FREQUENCY CH09 C 190.8295  474. 4400 4( 94.7000) 2( 47.8200)  NOTE: 2.8000 MHZ FROM RECEIVED FREQUENCY CH15-V 477, 2400  NOTE: 2.6300 MHZ FROM RECEIVED FREQUENCY CH15-V 477, 2400  NOTE: 2.6300 MHZ FROM RECEIVED FREQUENCY CH21 A 517.7500  S9.5400 1( 94.7000) -1( 35.1600)  NOTE: 1.7200 MHZ FROM RECEIVED FREQUENCY CH3+V 61.2600  NOTE: 1.7200 MHZ FROM RECEIVED FREQUENCY CH13 V 211.2500  213.7800 3( 94.7000) -2( 35.1600)  NOTE: 1.0495 MHZ FROM RECEIVED FREQUENCY CH13 V 211.2500  213.7800 3( 94.7000) -2( 35.1600)  NOTE: 1.9700 MHZ FROM RECEIVED FREQUENCY CH13 C 214.8295  213.7800 3( 94.7000) -2( 35.1600)  NOTE: 1.9700 MHZ FROM RECEIVED FREQUENCY CH3 A 215.7500  NOTE: 2.0300 MHZ FROM RECEIVED FREQUENCY CH3 A 215.7500  190.1800 1( 94.7000) 2( 35.1600)  NOTE: 2.9300 MHZ FROM RECEIVED FREQUENCY CH09 V 187.2500  47.7400)  NOTE: 3.9700 MHZ FROM RECEIVED FREQUENCY CH09 C 190.8295  190.1800 1( 94.7000) 2( 47.7400)  NOTE: 4.6495 MHZ FROM RECEIVED FREQUENCY CH09 C 190.8295  190.1800 3( 94.7000) -2( 47.7400)  NOTE: 4.6600 3( 94.7000) -2( 47.7400)  NOTE: 2.6000 MHZ FROM RECEIVED FREQUENCY CH09 C 190.8295  188.6200 3( 94.7000) -2( 47.7400)  NOTE: 1.3700 MHZ FROM RECEIVED FREQUENCY CH09 C 190.8295  190.8000 3( 94.7000) -2( 47.7400)  NOTE: 2.0900 MHZ FROM RECEIVED FREQUENCY CH09 C 190.8295  188.6200 3( 94.7000) -2( 47.7400)  NOTE: 2.0900 MHZ FROM RECEIVED FREQUENCY CH09 C 190.8295  190.8000 3( 94.7000) -2( 47.7400)  NOTE: 2.0900 MHZ FROM RECEIVED FREQUENCY CH09 C 190.8295  190.8000 3( 94.7000) -2( 47.7400)  NOTE: 2.0900 MHZ FROM RECEIVED FREQUENCY CH09 C 190.8295  190.8000 3( 94.7000) -2( 47.7400)  NOTE: 2.0900 MHZ FROM RECEIVED FREQUENCY CH09 C 190.8295  190.8000 3( 94.7000) -2( 47.7400)  NOTE: 2.0900 MHZ FROM RECEIVED FREQUENCY CH09 C 190.8295  190.8000 3( 94.7000) -2( 47.7400)  NOTE: 2.0000 MHZ FROM RECEIVED FREQUENCY CH09 C 190.8295  190.8000 3( 94.7000) -2( 47.7400)  NOTE: 2.0000 MHZ FROM RECEIVED FREQUENCY CH09 C 190.8295  190.8000 3( 94.7000) -2( 47.7400)  NO	1	88.	4600	3(	94. 7000)	-2(	47 SOCOL	CHOS	+1	185.	7600
NOTE: 2. 3695 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 A7. 8200 A7. 820			NOTE:	1. 2109	MHZ FROM	PECETVER	47.8200)				
NOTE: 2. 3695 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 47. 4400 4 ( 94. 7000) 2 ( 47. 8200)	1	88.		~ \	74. (NNN)	-26	47 0000				2500
NOTE: 2.8000 MHz FROM RECEIVED FREQUENCY CH15-V 477, 2400   520.3800 6( 94.7000) -1( 47.8200)   NOTE: 2.6300 MHz FROM RECEIVED FREQUENCY CH21 A 517.7500   59.5400 1( 94.7000) -2( 35.1600)   NOTE: 1.7200 MHz FROM RECEIVED FREQUENCY CH3+V 61.2600   NOTE: 2.5300 MHz FROM RECEIVED FREQUENCY CH3+V 61.2600   NOTE: 2.5300 MHz FROM RECEIVED FREQUENCY CH13 V 211.2500   NOTE: 1.0495 MHz FROM RECEIVED FREQUENCY CH13 V 211.2500   NOTE: 1.9700 MHz FROM RECEIVED FREQUENCY CH13 C 214.8295   37.300 3( 94.7000) -2( 35.1600)   NOTE: 1.9700 MHz FROM RECEIVED FREQUENCY CH13 A 215.7500   37.32200 7( 94.7000) 2( 35.1600)   NOTE: 2.9300 MHz FROM RECEIVED FREQUENCY CH3 A 215.7500   37.32200 7( 94.7000) 2( 47.7400)   NOTE: 2.9300 MHz FROM RECEIVED FREQUENCY CH09 V 187.2500   190.1800 1( 94.7000) 2( 47.7400)   NOTE: 6495 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295   190.1800 1( 94.7000) -2( 47.7400)   NOTE: 1.5700 MHz FROM RECEIVED FREQUENCY CH09 A 191.7500   188.6200 3( 94.7000) -2( 47.7400)   NOTE: 2.8600 MHz FROM RECEIVED FREQUENCY CH09 A 191.7500   188.6200 3( 94.7000) -2( 47.7400)   NOTE: 1.3700 MHz FROM RECEIVED FREQUENCY CH09 V 187.2500   188.6200 3( 94.7000) -2( 47.7400)   NOTE: 2.2095 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295   47.2000) -2( 47.7400)   NOTE: 2.2095 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295   47.2000) -2( 47.7400)   NOTE: 2.2095 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295   47.2000) -2( 47.7400)   NOTE: 2.2095 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295   47.2000) -2( 47.7400)   NOTE: 2.2095 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295   47.2000) -2( 47.7400)   NOTE: 2.2009 MHz FROM RECEIVED FREQUENCY CH15-V 47.2400   47.2000   NOTE: 2.7100 MHz FROM RECEIVED FREQUENCY CH15-V 47.2400   NOTE: 2.7100 MHz FROM RECEIVED FREQUENCY CH15-V 47.7400   NOTE: 2.2005 MHz FROM RECEIVED FREQUENCY CH15-V 47.7400   NOTE: 2.7100 MHz FROM RECEIVED FREQUENCY CH15-V 47.7400   NOTE: 2.605 MHz FROM RECEIVED FREQUENCY CH21 A 517.7500   NOTE: 2.605 MHz FROM RECEIVED FREQUENCY CH08+C 184.8395			NOTE:	2. 3695	MHZ FROM	RECETVEN	FREQUENCY				
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59. 5400 1	5			O.	74. (BUBB)	-11	47 0000				2400
NOTE: 1.7200 MHZ FROM RECEIVED FREQUENCY CH03+V 213.7800 3( 94.7000) -2( 35.1600) NOTE: 2.5300 MHZ FROM RECEIVED FREQUENCY CH13 V 211.2500 213.7800 3( 94.7000) -2( 35.1600) NOTE: 1.0495 MHZ FROM RECEIVED FREQUENCY CH13 C 213.7800 3( 94.7000) -2( 35.1600) NOTE: 1.9700 MHZ FROM RECEIVED FREQUENCY CH13 C 214.8295 213.7800 3( 94.7000) -2( 35.1600) NOTE: 1.9700 MHZ FROM RECEIVED FREQUENCY CH13 A 215.7500 213.7800 3( 94.7000) 2( 35.1600) NOTE: 2.0300 MHZ FROM RECEIVED FREQUENCY CH50 V 735.2500 190.1800 1( 94.7000) 2( 47.7400) NOTE: 6495 MHZ FROM RECEIVED FREQUENCY CH09 V 187.2500 190.1800 1( 94.7000) 2( 47.7400) NOTE: 1.5700 MHZ FROM RECEIVED FREQUENCY CH09 C 190.8295 190.1800 1( 94.7000) -2( 47.7400) NOTE: 2.8600 MHZ FROM RECEIVED FREQUENCY CH09 A 191.7500 188.6200 3( 94.7000) -2( 47.7400) NOTE: 1.3700 MHZ FROM RECEIVED FREQUENCY CH09 V 187.2500 188.6200 3( 94.7000) -2( 47.7400) NOTE: 2.9505 MHZ FROM RECEIVED FREQUENCY CH09 V 187.2500 188.6200 3( 94.7000) -2( 47.7400) NOTE: 2.9600 MHZ FROM RECEIVED FREQUENCY CH09 C 190.8295 180.6200 3( 94.7000) -2( 47.7400) NOTE: 2.9600 MHZ FROM RECEIVED FREQUENCY CH09 C 190.8295 180.6200 3( 94.7000) -2( 47.7400) NOTE: 2.9600 MHZ FROM RECEIVED FREQUENCY CH09 C 190.8295 180.6200 3( 94.7000) -2( 47.7400) NOTE: 2.9600 MHZ FROM RECEIVED FREQUENCY CH09 C 190.8295 180.6200 3( 94.7000) -2( 47.7400) NOTE: 2.9600 MHZ FROM RECEIVED FREQUENCY CH15-V 477.2400 NOTE: 2.9600 MHZ FROM RECEIVED FREQUENCY CH15-V 477.2400 NOTE: 2.7100 MHZ FROM RECEIVED FREQUENCY CH15-V 477.2400 NOTE: 2.6055 MHZ FROM RECEIVED FREQUENCY CH21 A 517.7500			NOTE:	2. 6300	MHZ FROM	RECETVED	FRECHENCU	CHOA	_		
213. 7800 3( 94.7000) -2( 35.1600)  NOTE: 2.5300 MHz FROM RECEIVED FREQUENCY CH13 V 211. 2500  213. 7800 3( 94.7000) -2( 35.1600)  NOTE: 1.0495 MHz FROM RECEIVED FREQUENCY CH13 C 214. 8295  213. 7800 3( 94.7000) -2( 35.1600)  NOTE: 1.9700 MHz FROM RECEIVED FREQUENCY CH13 G 215. 7500  NOTE: 1.9700 MHz FROM RECEIVED FREQUENCY CH13 G 215. 7500  NOTE: 2.0300 MHz FROM RECEIVED FREQUENCY CH3 G 215. 7500  190. 1800 1( 94.7000) 2( 47.7400)  NOTE: 2.9300 MHz FROM RECEIVED FREQUENCY CH09 V 187. 2500  190. 1800 1( 94.7000) 2( 47.7400)  NOTE: 6495 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295  190. 1800 1( 94.7000) 2( 47.7400)  NOTE: 1.5700 MHz FROM RECEIVED FREQUENCY CH09 G 191. 7500  188. 6200 3( 94.7000) -2( 47.7400)  NOTE: 2.8600 MHz FROM RECEIVED FREQUENCY CH08+A 185. 7600  188. 6200 3( 94.7000) -2( 47.7400)  NOTE: 1.3700 MHz FROM RECEIVED FREQUENCY CH09 V 187. 2500  188. 6200 3( 94.7000) -2( 47.7400)  NOTE: 2.0905 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295  188. 6200 3( 94.7000) -2( 47.7400)  NOTE: 2.0905 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295  180. 6200 3( 94.7000) -2( 47.7400)  NOTE: 2.0905 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295  180. 6200 3( 94.7000) -2( 47.7400)  NOTE: 2.0905 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295  180. 6200 3( 94.7000) 2( 47.7400)  NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH15-V 477. 2400  NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH15-V 477. 2400  NOTE: 2.7100 MHz FROM RECEIVED FREQUENCY CH15-V 477. 2400  NOTE: 2.7100 MHz FROM RECEIVED FREQUENCY CH15-V 477. 2400  NOTE: 2.605 MHz FROM RECEIVED FREQUENCY CH15-V 477. 2400  NOTE: 2.605 MHz FROM RECEIVED FREQUENCY CH21 A 517. 7500					74. (NNN)	-16	75 4/00.				
NOTE: 2.5300 MHz FROM RECEIVED FREQUENCY CH13 V 211.2500 213.7800 3( 94.7000) -2( 35.1600)   NOTE: 1.0495 MHz FROM RECEIVED FREQUENCY CH13 C 214.8295 213.7800 3( 94.7000) -2( 35.1600)   NOTE: 1.9700 MHz FROM RECEIVED FREQUENCY CH13 R 215.7500 2( 35.1600)   NOTE: 1.9700 MHz FROM RECEIVED FREQUENCY CH13 R 215.7500 2( 35.1600)   NOTE: 2.0300 MHz FROM RECEIVED FREQUENCY CH30 V 735.2500 2( 47.7400)   NOTE: 2.9300 MHz FROM RECEIVED FREQUENCY CH09 V 187.2500 2( 47.7400)   NOTE: 6495 MHz FROM RECEIVED FREQUENCY CH09 V 187.2500 2( 47.7400)   NOTE: 1.5700 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295 2( 47.7400)   NOTE: 2.8600 MHz FROM RECEIVED FREQUENCY CH09 R 191.7500 2( 47.7400)   NOTE: 2.8600 MHz FROM RECEIVED FREQUENCY CH09 R 195.7600 2( 47.7400)   NOTE: 1.3700 MHz FROM RECEIVED FREQUENCY CH09 V 187.2500 2( 47.7400)   NOTE: 2.8600 MHz FROM RECEIVED FREQUENCY CH09 V 187.2500 2( 47.7400)   NOTE: 1.3700 MHz FROM RECEIVED FREQUENCY CH09 V 187.2500 2( 47.7400)   NOTE: 2.2095 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295 24.2800 4( 94.7000) -2( 47.7400)   NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295 26.4600 6( 94.7000) -1( 47.7400)   NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH15-V 477.2400 26.4600 6( 94.7000) -1( 47.7400)   NOTE: 2.7100 MHz FROM RECEIVED FREQUENCY CH15-V 477.2400 26.51000 1 26.51000 1 26.51000 2 26.51000 2 26.51000 2 26.51000 2 26.510000 2 26.51000000000000000000000000000000000000			NOTE:	1. 7200	MHZ FROM	RECEIVED	EREDIENCU	CHOZ			
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NOTE: 1. 0495 MHz FROM RECEIVED FREQUENCY CH13 C 214. 8295 NOTE: 1. 9700 MHz FROM RECEIVED FREQUENCY CH13 R 215. 7500 NOTE: 2. 0300 MHz FROM RECEIVED FREQUENCY CH3 R 215. 7500 NOTE: 2. 0300 MHz FROM RECEIVED FREQUENCY CH30 V 735. 2500 NOTE: 2. 9300 MHz FROM RECEIVED FREQUENCY CH09 V 187. 2500 NOTE: 2. 9300 MHz FROM RECEIVED FREQUENCY CH09 V 187. 2500 NOTE: .6495 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 NOTE: 1. 5700 MHz FROM RECEIVED FREQUENCY CH09 R 191. 7500 NOTE: 1. 5700 MHz FROM RECEIVED FREQUENCY CH09 R 191. 7500 NOTE: 2. 8600 MHz FROM RECEIVED FREQUENCY CH09 R 191. 7500 NOTE: 2. 8600 MHz FROM RECEIVED FREQUENCY CH09 R 185. 7600 NOTE: 1. 3700 MHz FROM RECEIVED FREQUENCY CH09 V 187. 2500 NOTE: 1. 3700 MHz FROM RECEIVED FREQUENCY CH09 V 187. 2500 NOTE: 2. 2095 MHz FROM RECEIVED FREQUENCY CH09 V 187. 2500 NOTE: 2. 2095 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 NOTE: 2. 9600 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 NOTE: 2. 9600 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 NOTE: 2. 9600 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 NOTE: 2. 9600 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 NOTE: 2. 9600 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 NOTE: 2. 7100 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 NOTE: 2. 7100 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295 NOTE: 2. 7100 MHz FROM RECEIVED FREQUENCY CH15-V 477. 2400 NOTE: 2. 7100 MHz FROM RECEIVED FREQUENCY CH15-V 477. 2400 NOTE: 2. 7100 MHz FROM RECEIVED FREQUENCY CH21 R 517. 7500 NOTE: 2. 2605 MHz FROM RECEIVED FREQUENCY CH21 R 517. 7500 NOTE: 2. 2605 MHz FROM RECEIVED FREQUENCY CH21 R 517. 7500 NOTE: 2. 2605 MHz FROM RECEIVED FREQUENCY CH28+C 184. 8395				2. 5300	MHz FROM	RECEIVED	EREGUENCY	CU47	14	044	
213. 7800 3 ( 94. 7000) -2 ( 35. 1600)  NOTE: 1. 9700 MHZ FROM RECEIVED FREQUENCY CH13 C 214. 8295  733. 2200 7 ( 94. 7000) 2 ( 35. 1600)  NOTE: 2. 0300 MHZ FROM RECEIVED FREQUENCY CH13 A 215. 7500  190. 1800 1 ( 94. 7000) 2 ( 47. 7400)  NOTE: 2. 9300 MHZ FROM RECEIVED FREQUENCY CH09 V 187. 2500  190. 1800 1 ( 94. 7000) 2 ( 47. 7400)  NOTE: 6495 MHZ FROM RECEIVED FREQUENCY CH09 C 190. 8295  190. 1800 1 ( 94. 7000) 2 ( 47. 7400)  NOTE: 1. 5700 MHZ FROM RECEIVED FREQUENCY CH09 A 191. 7500  198. 6200 3 ( 94. 7000) -2 ( 47. 7400)  NOTE: 2. 8600 MHZ FROM RECEIVED FREQUENCY CH09 A 191. 7500  198. 6200 3 ( 94. 7000) -2 ( 47. 7400)  NOTE: 1. 3700 MHZ FROM RECEIVED FREQUENCY CH09 V 187. 2500  198. 6200 3 ( 94. 7000) -2 ( 47. 7400)  NOTE: 2. 2095 MHZ FROM RECEIVED FREQUENCY CH09 C 190. 8295  474. 2800 4 ( 94. 7000) -2 ( 47. 7400)  NOTE: 2. 9600 MHZ FROM RECEIVED FREQUENCY CH09 C 190. 8295  474. 2800 4 ( 94. 7000) 2 ( 47. 7400)  NOTE: 2. 9600 MHZ FROM RECEIVED FREQUENCY CH09 C 190. 8295  474. 2800 4 ( 94. 7000) 2 ( 47. 7400)  NOTE: 2. 7100 MHZ FROM RECEIVED FREQUENCY CH15-V 477. 2400  NOTE: 2. 7100 MHZ FROM RECEIVED FREQUENCY CH15-V 477. 2400  NOTE: 2. 7100 MHZ FROM RECEIVED FREQUENCY CH21 A 517. 7500  185. 1000 1 ( 94. 7000) 2 ( 45. 2000)  NOTE: . 2605 MHZ FROM RECEIVED FREQUENCY CH21 A 517. 7500	2:				7T. (000)		45 16RR				
NOTE: 1.9700 MHz FROM RECEIVED FREQUENCY CH13 A 215.7500 733.2200 7( 94.7000) 2( 35.1600) RECEIVED FREQUENCY CH30 V 735.2500 190.1800 1( 94.7000) 2( 47.7400) RECEIVED FREQUENCY CH30 V 187.2500 190.1800 1( 94.7000) 2( 47.7400) RECEIVED FREQUENCY CH09 V 187.2500 190.1800 1( 94.7000) 2( 47.7400) RECEIVED FREQUENCY CH09 C 190.8295 190.1800 1( 94.7000) 2( 47.7400) RECEIVED FREQUENCY CH09 A 191.7500 NOTE: 1.5700 MHz FROM RECEIVED FREQUENCY CH09 A 191.7500 NOTE: 2.8600 MHz FROM RECEIVED FREQUENCY CH09 A 191.7500 NOTE: 1.3700 MHz FROM RECEIVED FREQUENCY CH09 V 185.7600 188.6200 3( 94.7000) -2( 47.7400) RECEIVED FREQUENCY CH09 V 187.2500 NOTE: 1.3700 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295 NOTE: 2.2095 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295 190.8295 NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295 NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295 190.8295 NOTE: 2.7100 MHz FROM RECEIVED FREQUENCY CH15-V 477.2400 NOTE: 2.7100 MHz FROM RECEIVED FREQUENCY CH15-V 477.2400 NOTE: 2.7100 MHz FROM RECEIVED FREQUENCY CH15-V 477.2400 NOTE: 2.7100 MHz FROM RECEIVED FREQUENCY CH21 A 517.7500 NOTE: .2605 MHz FROM RECEIVED FREQUENCY CH08+C 184.8395				1. 0495	MHz FROM	RECEIVED	EREQUENCY	CH4.7	-	04.4	
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190. 1800 1( 94.7000) 2( 47.7400)  NOTE: 2.9300 MHz FROM RECEIVED FREQUENCY CH09 V  190. 1800 1( 94.7000) 2( 47.7400)  NOTE: .6495 MHz FROM RECEIVED FREQUENCY CH09 C  190. 1800 1( 94.7000) 2( 47.7400)  NOTE: 1.5700 MHz FROM RECEIVED FREQUENCY CH09 G  NOTE: 1.5700 MHz FROM RECEIVED FREQUENCY CH09 A  188. 6200 3( 94.7000) -2( 47.7400)  NOTE: 2.8600 MHz FROM RECEIVED FREQUENCY CH09 A  188. 6200 3( 94.7000) -2( 47.7400)  NOTE: 1.3700 MHz FROM RECEIVED FREQUENCY CH09 V  187. 2500  198. 6200 3( 94.7000) -2( 47.7400)  NOTE: 2.2095 MHz FROM RECEIVED FREQUENCY CH09 C  190. 8295  47. 7400)  NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH09 C  190. 8295  47. 7400)  NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH09 C  190. 8295  47. 7400)  NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH15-V  NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH15-V  185. 1000 1( 94.7000) 2( 47.7400)  NOTE: 2.7100 MHz FROM RECEIVED FREQUENCY CH21 A  185. 1000 1( 94.7000) 2( 45.2000)  NOTE: .2605 MHz FROM RECEIVED FREQUENCY CH08+C  184. 8395	73			1 7,	74. (MMM)	26	78 4000				7200
NOTE: 2.9300 MHz FROM RECEIVED FREQUENCY CH09 V 190.1800 1( 94.7000) 2( 47.7400) NOTE: .6495 MHz FROM RECEIVED FREQUENCY CH09 C 190.1800 1( 94.7000) 2( 47.7400) NOTE: 1.5700 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295 190.1800 1( 94.7000) 2( 47.7400) NOTE: 1.5700 MHz FROM RECEIVED FREQUENCY CH09 A 191.7500 188.6200 3( 94.7000) -2( 47.7400) NOTE: 1.3700 MHz FROM RECEIVED FREQUENCY CH08+A 188.6200 3( 94.7000) -2( 47.7400) NOTE: 1.3700 MHz FROM RECEIVED FREQUENCY CH09 V 187.2500 198.6200 3( 94.7000) -2( 47.7400) NOTE: 2.2095 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295 474.2800 4( 94.7000) 2( 47.7400) NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH15-V 520.4600 6( 94.7000) -1( 47.7400) NOTE: 2.7100 MHz FROM RECEIVED FREQUENCY CH15-V 185.1000 1( 94.7000) 2( 45.2000) NOTE: .2605 MHz FROM RECEIVED FREQUENCY CH21 A 184.8395			NOTE:	2. 9399	MHE FROM	RECEIVED	FREQUENCY	CHSa	v	775	3500
190. 1800 1( 94.7000) 2( 47.7400)  NOTE: .6495 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295  190. 1800 1( 94.7000) 2( 47.7400)  NOTE: 1.5700 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295  180. 6200 3( 94.7000) -2( 47.7400)  NOTE: 2.8600 MHz FROM RECEIVED FREQUENCY CH09 A 191.7500  180. 6200 3( 94.7000) -2( 47.7400)  NOTE: 1.3700 MHz FROM RECEIVED FREQUENCY CH08+A 185.7600  NOTE: 1.3700 MHz FROM RECEIVED FREQUENCY CH09 V 187.2500  180. 6200 3( 94.7000) -2( 47.7400)  NOTE: 2.2095 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295  474. 2800 4( 94.7000) 2( 47.7400)  NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH15-V 477.2400  NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH15-V 477.2400  NOTE: 2.7100 MHz FROM RECEIVED FREQUENCY CH21 A 517.7500  NOTE: .2605 MHz FROM RECEIVED FREQUENCY CH21 A 517.7500  NOTE: .2605 MHz FROM RECEIVED FREQUENCY CH08+C 184.8395	15		7400	-1	74. (000)	20	47 74001			1 30.	2366
NOTE: .6495 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295 190.1800 1( 94.7000) 2( 47.7400) NOTE: 1.5700 MHz FROM RECEIVED FREQUENCY CH09 A 191.7500 188.6200 3( 94.7000) -2( 47.7400) NOTE: 2.8600 MHz FROM RECEIVED FREQUENCY CH08+A 185.7600 188.6200 3( 94.7000) -2( 47.7400) NOTE: 1.3700 MHz FROM RECEIVED FREQUENCY CH09 V 187.2500 NOTE: 1.3700 MHz FROM RECEIVED FREQUENCY CH09 V 187.2500 198.6200 3( 94.7000) -2( 47.7400) NOTE: 2.2095 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295 474.2800 4( 94.7000) 2( 47.7400) NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH15-V 477.2400 NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH15-V 477.2400 NOTE: 2.7100 MHz FROM RECEIVED FREQUENCY CH21 A 517.7500 185.1000 1( 94.7000) 2( 45.2000) NOTE: .2605 MHz FROM RECEIVED FREQUENCY CH08+C 184.8395					MHz FROM	RECEIVED	FREQUENCY	СНАЯ	W	107	2500
NOTE: .6495 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295 190.1800 1( 94.7000) 2( 47.7400) NOTE: 1.5700 MHz FROM RECEIVED FREQUENCY CH09 A 191.7500 188.6200 3( 94.7000) -2( 47.7400) NOTE: 2.8600 MHz FROM RECEIVED FREQUENCY CH08+A 185.7600 NOTE: 1.3700 MHz FROM RECEIVED FREQUENCY CH09 V 187.2500 NOTE: 1.3700 MHz FROM RECEIVED FREQUENCY CH09 V 187.2500 NOTE: 2.2095 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295 474.2800 4( 94.7000) 2( 47.7400) NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH15-V 477.2400 NOTE: 2.7100 MHz FROM RECEIVED FREQUENCY CH15-V 477.2400 NOTE: 2.7100 MHz FROM RECEIVED FREQUENCY CH21 A 517.7500 NOTE: .2605 MHz FROM RECEIVED FREQUENCY CH21 A 517.7500 NOTE: .2605 MHz FROM RECEIVED FREQUENCY CH08+C 184.8395	19			71	74. (666)	2(	47 74001				2000
NOTE: 1. 5700 MHz FROM RECEIVED FREQUENCY CH09 A 191. 7500  188. 6200 3( 94.7000) -2( 47.7400)  NOTE: 2. 8600 MHz FROM RECEIVED FREQUENCY CH08+A 185. 7600  188. 6200 3( 94.7000) -2( 47.7400)  NOTE: 1. 3700 MHz FROM RECEIVED FREQUENCY CH09 V 187. 2500  198. 6200 3( 94.7000) -2( 47.7400)  NOTE: 2. 2095 MHz FROM RECEIVED FREQUENCY CH09 C 190. 8295  474. 2800 4( 94.7000) 2( 47.7400)  NOTE: 2. 9600 MHz FROM RECEIVED FREQUENCY CH15-V 477. 2400  NOTE: 2. 7100 MHz FROM RECEIVED FREQUENCY CH21 A 517. 7500  185. 1000 1( 94.7000) 2( 45.2000)  NOTE: . 2605 MHz FROM RECEIVED FREQUENCY CH08+C 184. 8395	4.4			. 6495	MHz FROM	RECEIVED	FREQUENCY	CHAS	C	190	2225
NOTE: 1.5700 MHz FROM RECEIVED FREQUENCY CH09 A 191.7500  188.6200 3( 94.7000) -2( 47.7400)  NOTE: 2.8600 MHz FROM RECEIVED FREQUENCY CH08+A 185.7600  188.6200 3( 94.7000) -2( 47.7400)  NOTE: 1.3700 MHz FROM RECEIVED FREQUENCY CH09 V 187.2500  188.6200 3( 94.7000) -2( 47.7400)  NOTE: 2.2095 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295  474.2800 4( 94.7000) 2( 47.7400)  NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH15-V 477.2400  520.4600 6( 94.7000) -1( 47.7400)  NOTE: 2.7100 MHz FROM RECEIVED FREQUENCY CH21 A 517.7500  185.1000 1( 94.7000) 2( 45.2000)  NOTE: .2605 MHz FROM RECEIVED FREQUENCY CH08+C 184.8395	19				74. (666)	20	47 7400\				0270
NOTE: 2.8600 MHz FROM RECEIVED FREQUENCY CH08+A  188.6200 3( 94.7000) -2( 47.7400)  NOTE: 1.3700 MHz FROM RECEIVED FREQUENCY CH09 V  188.6200 3( 94.7000) -2( 47.7400)  NOTE: 2.2095 MHz FROM RECEIVED FREQUENCY CH09 C  190.8295  474.2800 4( 94.7000) 2( 47.7400)  NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH15-V  520.4600 6( 94.7000) -1( 47.7400)  NOTE: 2.7100 MHz FROM RECEIVED FREQUENCY CH21 A  185.1000 1( 94.7000) 2( 45.2000)  NOTE: .2605 MHz FROM RECEIVED FREQUENCY CH08+C  184.8395	4.0			1. 5700	MHz FROM	RECEIVED	FREQUENCY	CHAS	A	191	7530
NOTE: 2.8600 MHz FROM RECEIVED FREQUENCY CH08+A  188.6200 3( 94.7000) -2( 47.7400)  NOTE: 1.3700 MHz FROM RECEIVED FREQUENCY CH09 V  188.6200 3( 94.7000) -2( 47.7400)  NOTE: 2.2095 MHz FROM RECEIVED FREQUENCY CH09 C  474.2800 4( 94.7000) 2( 47.7400)  NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH15-V  520.4600 6( 94.7000) -1( 47.7400)  NOTE: 2.7100 MHz FROM RECEIVED FREQUENCY CH21 A  185.7600  187.2500  187.2500  187.2500  187.2400  188.6200 1( 94.7000) 2( 47.7400)  NOTE: 2.7100 MHz FROM RECEIVED FREQUENCY CH21 A  185.7600  186.7600  187.2500	18			J.	74. (0000)	-20	47 74001				7000
NOTE: 1.3700 MHz FROM RECEIVED FREQUENCY CH09 V  198.6200 3( 94.7000) -2( 47.7400)  NOTE: 2.2095 MHz FROM RECEIVED FREQUENCY CH09 C  474.2800 4( 94.7000) 2( 47.7400)  NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH15-V  520.4600 6( 94.7000) -1( 47.7400)  NOTE: 2.7100 MHz FROM RECEIVED FREQUENCY CH21 A  185.1000 1( 94.7000) 2( 45.2000)  NOTE: .2605 MHz FROM RECEIVED FREQUENCY CH08+C  184.8395	40			2. 8600	MHz FROM	RECEIVED	FREQUENCY	CHAR+	A	195	7400
NOTE: 2.2095 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295 474.2800 4( 94.7000) 2( 47.7400) NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH15-V 477.2400 520.4600 6( 94.7000) -1( 47.7400) NOTE: 2.7100 MHz FROM RECEIVED FREQUENCY CH21 A 517.7500 185.1000 1( 94.7000) 2( 45.2000) NOTE: .2605 MHz FROM RECEIVED FREQUENCY CH08+C 184.8395	18			~ \	24 (NUN 1		47 7400				
NOTE: 2.2095 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295 474.2800 4( 94.7000) 2( 47.7400) NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH15-V 477.2400 520.4600 6( 94.7000) -1( 47.7400) NOTE: 2.7100 MHz FROM RECEIVED FREQUENCY CH21 A 517.7500 185.1000 1( 94.7000) 2( 45.2000) NOTE: .2605 MHz FROM RECEIVED FREQUENCY CH08+C 184.8395	4.0	9	NUTE:	1. 3700	MHz FROM	RECETUED	FREGUENOU	CHØ9	V	187 1	2500
NOTE: 2.2095 MHZ FROM RECEIVED FREQUENCY CH09 C 190.8295 474.2800 4( 94.7000) 2( 47.7400) NOTE: 2.9600 MHZ FROM RECEIVED FREQUENCY CH15-V 477.2400 520.4600 6( 94.7000) -1( 47.7400) NOTE: 2.7100 MHZ FROM RECEIVED FREQUENCY CH21 A 517.7500 185.1000 1( 94.7000) 2( 45.2000) NOTE: .2605 MHZ FROM RECEIVED FREQUENCY CH08+C 184.8395	18										
NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH15-V 477.2400 520.4600 6( 94.7000) -1( 47.7400) NOTE: 2.7100 MHz FROM RECEIVED FREQUENCY CH21 A 517.7500 185.1000 1( 94.7000) 2( 45.2000) NOTE: .2605 MHz FROM RECEIVED FREQUENCY CH08+C 184.8395			401E:	2. 2075	MHZ FROM	RECETUEN	ERECHENON	CHØ9	C	190 (	2295
NOTE: 2.9600 MHz FROM RECEIVED FREQUENCY CH15-V 477.2400 520.4600 6( 94.7000) -1( 47.7400) NOTE: 2.7100 MHz FROM RECEIVED FREQUENCY CH21 A 517.7500 185.1000 1( 94.7000) 2( 45.2000) NOTE: .2605 MHz FROM RECEIVED FREQUENCY CH08+C 184.8395	47			• •	YT. (DDD)	e' (	47 74001				
NOTE: 2.7100 MHz FROM RECEIVED FREQUENCY CH21 A 517.7500 185.1000 1( 94.7000) 2( 45.2000) NOTE: .2605 MHz FROM RECEIVED FREQUENCY CH08+C 184.8395		F	AO LE:	C. 7500	MHZ FROM	RECETUED	EDECHENON	CH15-	V	477 4	2400
NOTE: 2.7100 MHz FROM RECEIVED FREQUENCY CH21 A 517.7500 185.1000 1( 94.7000) 2( 45.2000) NOTE: .2605 MHz FROM RECEIVED FREQUENCY CH08+C 184.8395	25			- 1	ZT. (ELEIPI)	<b>-7</b> (	47 74001				
NOTE: .2605 MHz FROM RECEIVED FREQUENCY CH08+C 184.8395		- 13	1015	<b>E.</b> (100	MH7 FROM	PECETUES	COCOLICA	CH21	A	517 3	*50a
MOTE: .2605 MHZ FROM RECEIVED FREQUENCY CH08+C 184.8395	18										
		F	1016:	. 2605	MHZ FROM I	RECETUED	ERECUENCE	снов+	C	184 9	795
									- 		

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# INTERMODULATION STUDY

	COMPONENT				
185. 1000		 7000) 3/	45. 2000)		
NOTE:	SERR MU-	FROM RECETA	45. 2000)		
185. 1000	16 94	ZOON KELELY	'ED FREQUENCY	CHØS+A	185. 768
193. 7000	36 94	ZOOD KELELY	'ED FREQUENCY	CHØ9 V	187. 258
193. 7000	36 94	ZOOON KECELY	ED FREQUENCY	CH10-V	193. 246
	- · / / / / / / / / / / / / / / / / / /		45 3000		
193, 7000	3( 94	ZOOD RECEIV	ED FREQUENCY 45. 2000)	CH09 C	190. 829
NOTE:	1 9500 MU-	LADAY DESERT	45. 2000)		
518. 7000	5( 94	ZOOON KELELY	ED FREQUENCY	CHØ9 A	191. 750
NOTE:	1 9705 MU-	7000) 1(	45. 2000)		
518. 7000	5. 07 95 MMZ	TRUM RECEIV	45. 2000) 45. 2000)	CH21 C	516. 829
	<b>~</b> `\ 7 <b>~</b> .	ו נשששי	45 2000		
477. 8000	6C 94	7000) -2(	ED FREQUENCY	CH21 A	517. 750
	~ · · · · · · · · · · · · · · · · · · ·		45 20001		
198 8200 -	. Jose MHZ	FRUM RECEIV	ED FREQUENCY	CH15-V	477, 240
198 8200 -	L. 0005 MHZ	FROM RECEIV	ED FREQUENCY	CH10-C	196. 819
	4 \ 74.	ו אושוש איר	146 76001		
482 9200	T. 6966 MHZ	FROM RECEIVE	ED FREQUENCY	CH10-A	197, 748
482. 9200	C. 1000 MHZ	FROM RECEIVE	ED FREQUENCY	CH15-C	480, 819
179 9988	1. 1800 MHZ	FROM RECEIVE	ED FREQUENCY	CH15-A	481, 748
516 1700	1. 2800 MHZ	FROM RECEIVE	ED FREQUENCY	CHØ8+V	181, 260
			146 76001		
1101E:	C. 8900 MHZ	FROM RECEIVE	ED FREQUENCY	CH21 V	513, 250
NOTE:	94.7	7000) -1(	146.7600)		
NU1E:	. 6895 MHZ	FROM RECEIVE	D FREQUENCY	CH21 C	516 829
NOIE:	1.6100 MHz	FROM RECETUS	D EDECHENOU	CH21 A	517 750
	-, /7. [	EIPIPI I FIL	757 4700		
14015:	. CEUS MHZ	FROM RECEIVE	D FREQUENCY	CH12-C	202 919
107. 3400 -	L( 94.7	'000) 2(	152. 1200)		L00. Q13.
MUIE:	. 2000 MHz	FROM DECETUE	C. ECEC.	CH12-A	209 7400
HOIE.	L. (100 MHZ	FROM RECETUE	P. EDECHENOUS	CH13 V	211 250
14016.	. 6800 MHz	FROM PECETUE	D. ERCOUENOU.	CH05-V	77 5400
14016: 5	. 4700 MH7	FROM SECRETUR	C COCCUENCE.	CH24 U	547 0000
			153.2000) D FREQUENCY (		

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# INTERMODULATION STUDY

FREQ	(MHz) COMP						
211.	7000 -1(	94 7000					
	NOTE: 2. 888	S MH- FROM	2( 15	3. 2000)			
211.	NOTE: 2.880:	94 79991	KECETAED E	REQUENCY	CH12-	C 208.	8195
	NOTE: 1. 9601	MH- FROM	PECETUES -	0. 2000)			
211.	7000 -1(	94. 7000)	VECETAED L	REQUENCY	CH12-	A 209.	7400
	NOTE: 450	MH- FROM	DECERTION	O. EDDD)			
415.	0001 6(	94. 7000)	-1( 15	REQUENCY	CH13	V 211.	2500
	NOTE: 0250	MH- FROM	DECETHER	U. LUUU)			
59.	6550 -1( NOTE: 1 6050	94. 7000)	1( 15	1 ZEEOS	RCØ58	414.	9750
	NOTE: 1. 6050	MHT FROM	DECETHED -	7. 33397			
214.	0100 -1( NOTE: 2 7600	94. 7000)	2( 15	1 75EGV	CH03+	Y 61.	2600
	NOTE: 2.7600	MH- FROM	SECETURE -				
214.	0100 -1( NOTE: 8195	94. 7000)	20 154	1 75501	CHIS	v 211. i	2500
					CUAR		
214.	0100 -1( NOTE: 1 7400	94. 7000)	2( 154	3550)	CUI3	214.8	3295
	THE T. CHOM	MIND FORM	DECEMBE		CH47	0.17	
61.	2700 -1( NOTE: 8430	94. 7000)	1( 155	9799)	CUT2 I	215.	7599
					CHOST		
217.	2400 -1( NOTE: 2 4105	94. 7000)	24 155	9700)	CHOST	61. 8	2600
					CH13 0	214	
E11.	2400 -1( NOTE: 1 4900	94. 7000)	2( 155	. 9700)	J.120	C14. 5	כאס
	" T T T T T T T T T T T T T T T T T T T	MHZ FOUM	DCCCT1166		CH13 F	215 7	500
00.	8600 4( NOTE: 2 0205	94. 7000)	-2( 155	. 9700)		- E1J. r	200
		THE PRIME	DEFECTION EX		CH03+0	64 9	795
00.	8600 4( NOTE: 1 1000	94. 7000)	-2( 155	. 9700)	THE N	04.6	.353
					CH03+F	65. 7	688
217. 6	NOTE: .1900 5000 -1(	MHZ FROM I	RECEIVED FR	EQUENCY	CH03+V	61. 2	600
	6000 -1( NOTE: 2 7705	74. (000)	2( 156	1500)			
217. 6	NOTE: 2.7705	PA 7200	RECEIVED FR	EQUENCY	CH13 C	214. 8	295
66. 5	NOTE: 1.8500 5000 4(	94 7000	RECEIVED FRI	EQUENCY	CH13 A	215. 7	500
66. 5	IOTE: 1.6605	94 7000	ECEIVED FRE	EQUENCY	CH03+C	64. 8	395
N	IOTE: 7400	74. (000)	-2( 156.	1500)			
63. 6	10TE: .7400 100 -1(	94 7000 N	ELEIVED FRE	EQUENCY I	CH03+A	65. 7	600
- N	OTE: 2 3500	MHT FROM 5	1( 158.	3100)			
63. 6	OTE: 2.3500	94 70001	ELEIVED FRE	EGNENCA (	7+E0HC	61. 2	500
63. 6	OTE: 1.2295	94 70001	CUETAFO ESE	WUENCY (	CH03+C	64. 83	395
N	OTE: 2, 1500	MHZ FROM P	138.	3100)			
62. 1	OTE: 2.1500 800 4(	94 70001	COUTAGO ESE	WUENCY (	H03+A	65. 76	500
N	OTE: . 9200	MHz FROM P	-61 158. Eretura -a-	3100)			
			COSTASD PRE	WUENCY C	Y+50H	61. 26	500
		Ellie &	Wiehe. P.C				

## INTERMODULATION STUDY

62.	1800	46	94. 7000)	-20	158. 3100)			
		L. D. 17.	7 MHT EDDM					
64.	4350	-10	94. 7000)	10	FREQUENCY 159. 1350)	CH03+0	64.	8395
								8395
60.	5300	4(	94. 7000)	-20	159. 1350)	CHOST	65.	7600
		. f SELV	') MHZ FOUM					
517.	7000	2(	94. 7000)	20	164.1500)	CUSSTA	61.	2695
		. 010.	I MHZ FROM					
	1016	. ยอยย	I MUS FOUN					
	10.6	T. TOOO	INDO PRIM		COCOLIENA		3 - 12	
	1015.	C. 3000	MH2 FROM	PECETUCE	FOR OLITA			
	TO I E	. 0734	MHA EBUM	PECETIES			544	
	40 I E .	. フフラツ	MHA EBUW	DECETHER		CH34 P	545	
	40 I E .		MHT FROM	PERETUEN		CU47 C	0.1	
	1016.	. 6630	MH2 FROM	PECETHEN		CH17 0	245	
			FT. (SEEL)	-/-	167 6780			
	1016	. 0100	MH2 EBUM	PECETUER	EDECITED	Prage	4.46	4 4 0 0
51. 8	9000 -	30	94. 7000)	20	172. 9500)	1,0000	146.	1000
		. 3400	MH2 FROM	PERETUEN	EDECLIENCE	CHOSTO		0400
78. 2	500 -	1(	94. 7000)	1(	172. 9500)	0110317	51.	೭ರಿ೮೮
14		T. DIUD	MH2 EDUM	DECETHER	FRESLATION	CHOS_U	77	2400
	~ I L .	E. JD 7.1	MHA PRUM			CHRE-C	20.	
		. OTEM	7187 E & LM	DECETION		CH4 2- U	227	
205. 8	500	4(	94. 7000)	-1(	172 95001	CHTG-4	205. 8	2499
14	016.	E. 7073	MHZ FROM	RECEIVED	FREGUENCO	CH43-C		
								195
N	OTE: ;	E. 3206	MH2 FROM 1	DECETHER	FF	CUSO C		
								295
144	VIE	L. YUUU	MHS FROM S		F-5-5-1	CUEC C	_2_1	
		<del>-</del> '	JT. I DENI	~ (	47 (TEAL			7500
NO	OTE: 2	2. 6000	MHT FROM 6	OECETUES.	FREQUENCY			500

# INTERMODULATION STUDY

FREQ (MHZ)	COMPONENTS			
EC 0055				
59. 8250 NOTE:	5( 94. 700)	3) -1( 413.6750)		
735. 8751	T. 4220 MHZ FRI	OM RECETVED EDECUENC	11 0110=	61 2600
NOTE:	94. 788	1 ( 451. 7750)		01. 2009
735. 8751	OCOL MHZ FRE	M RECETVED EDECUEVO		735 2500
NOTE:	2 9544 MU- 50	) 1( 451, 7750)		. 00. 2000
211, 1249	7( 94 7000	OM RECEIVED FREQUENCE	Y CH58 C	738, 8295
NOTE:	2 3054 MU- 504	7) -1( 451.7750)		
211. 1249	7( 94 700c	00 RECEIVED FREQUENC (1) -1( 451.7750)	Y CH12-C	208, 8195
NOTE:	1 3849 MU- EDG	451. 7750)		
211, 1249	7( 94 7000	M RECEIVED FREQUENCY 1) -1( 451.7750)	Y CH12-A	209, 7488
NOTE:	1251 MU- CDS	451. 7750)		
76. 5000	-9( 94 7000	M RECEIVED FREQUENCY 2 464.4000)	7 CH13 V	211. 2500
NOTE:	7400 MU- FDG	7 404, 4000)		
180. 3000	-3( 94 700a	M RECEIVED FREQUENCY 1 464. 4000)	/ CH05-Y	77. 2400
NUIE:	9600 MU- EDO	M DEGETTION		
739. 4001	-2( 94 7000	M RECEIVED FREQUENCY > 2( 464.4000)	, CH08+A	181. 2600
NOTE:	5706 MU- CDO	TOT. TOU		
739. 4001	-2( 94 7000	M RECEIVED FREQUENCY 2 464.4000)	, CH28 C	738. 8295
NOTE:	3500 MH- ERO	7 TO4. 4000)		
198. 5000	7( 94 7000	1 RECEIVED FREQUENCY	' CH58 A	739. 7500
17.00	1. 00M. MAT EDM	W DECETHER		
198. 5000	7( 94, 7000	1 KECETVED FREQUENCY	CH10-C	196. 8195
NOTE:	. 7688 MH- ERO	1 00000		
76. 9000 -	94, 7000	2 464. 6000)	CH10-A	197. 7400
	· TTOO MET PRO	PECCETURE	21127	
	ווואן לאוין ששפיז.	PERETURN CARALLEL	21100	
1101 -	. JOHN MHT EDON		CUEO	
11016.	אחקן לאון שטנט.	PECETUES ESESTI	CHEC	
11016	T. 4000 MHZ FROM	PECETUED EDECUEVOS	8114.0	
198. 3000	7( 94.7000)	-1( 464. 6000)	CH10-C	196. 8195
MUIE:	. 5600 MH- FROM	PECETUED COMMISSION	6114.0	
77. 1000 -	9( 94. 7000)	2( 464. 7001)	CH10-H	197. 7400
14016.	1400 MH7 FROM	PECETHER	CU	444
180.6000 -	3( 94. 7000)	RECEIVED FREQUENCY 1( 464.7001)	CH02-7	77. 2400
NOTE:	. 6600 MHZ FROM	PECETUCE COTO	CHOC	
14016	1. 1706 MAY EDAM	DECETHED	CUEO	
740. 0001 -	2( 94.7000)	2( 464.7001)	CHOS C	738. 8295
11016	. CJUL MHZ FROM	PECETUEN ENGADAMENT	CUEO	
				739. 7500
		RECEIVED FREQUENCY		739. 7500 

#### INTERMODULATION STUDY

	FREQ	(MHz)		DNENTS					
	19	3. 1999	7(	94. 7000)	-10	464. 7001)			
		RULE	I KRN4	L MH- EDOM	DECETHEN	FREQUENCY 464. 7001)	CH10-C	196.	8195
		NOTE:	. 4688	MHT FROM	PECETUEN	454. 7001)			
	7								
	186					FREQUENCY 464.8499)			
		11016.	תועונה.	MIND FOUND		~~~~	CH08+V	181.	2600
		NOTE:	1. 4705	MHT FROM	PECETUES	454. 8499)			
	746								
		HULLE:	. ววบบ	MH7 FROM	BECETUEN	FREQUENCY 464.8499>	CH58 A	739.	7500
		MOIF:	1. 2305	MH- FROM	PECETUEN	COCCUENCE	CH40-C	406	24.25
	198								
	213	7500 -	. 3100	94. 7000)	RECEIVED	FREQUENCY	CH10-A	197.	7400
		MULE.	C. JUNN	MHA EDDW	PECETIES		CH13 V	211	2500
	213		~ '	JT. (BBB)	7 (	607 DEAR			
	213		~ '	ZT. (EIEIFI)	7 (	FREQUENCY 687. 2500)			
		14015.	<b>C.</b> 0000	MUSS AHU	PECETUEN	COCOURNAL	CH13 A	215.	7500
		NOTE:	2. 5000	MHT FROM	PECETUEN	691. 7500)			
	65			JT. ( WEED )	-1(				
		. 8500	2. 0103	MHZ FROM	RECEIVED	FREQUENCY			
		14015:	. טטעט	MHZ FROM	PECETUEN	EDECLIENCE	CH03+A	65	7688
	736		w 1	JT. (EJEJE) J	e' (	/// DECD			
	736		~ 1	ZT. (EIDIN )	, m	FREQUENCY 247 2500)			
		MOIE:	1. 9294	MHZ FROM	PECETUES	EDEOLIEVOU	CH58 C	738.	8295
			<b>9</b> \	נומומוט אר.	26	747. 2500) FREQUENCY			
	84.								
		MOIE:	2.6100	MHz FROM 94.7000)	RECETVED	EPEQUENCU	CH05-A	81.	7400
		NOTE:	2. 2100	MHZ FROM	PECETUEN	47. 2000)			
	183.	,	<del>-</del> -	ע וענאנא ז . דע	7 ( 7	54 7E04 \			
	183.	,	→ `	TH. (DDD)	76 7	FREQUENCY			
		HOIE.	1. ピロソコ	MHZ FROM	ひたしたよいにか	EDECLIENCE	CH08+C	184	3395
	<b>400</b> .			ZT. (EDEDIN	7 ( 7	51 7504 N			
-						FREQUENCY	CH08+A 	185.	7600
				E114-				_	

# INTERMODULATION STUDY

FREQ	(MHz) COMP					
21	5. 0500 -6(	94 7000				
	NOTE: 220	5 MU- EPON	1 000000	783. 2500)		
21						214. 8295
	54. 5500 9(	MHZ FRUM	RECEIVED	FREQUENCY	' CH13 F	215. 7500
	4. 5500 9(	94.7000)	RECEIVED	FREQUENCY	CH03+0	64. 8395
	3. 2000 -9(	94.7000)	RECEIVED	FREQUENCY		65. 7600
	3. 2000 -9(	MHZ FROM 94 7000)	RECEIVED	FREQUENCY		
	3. 2000 -9(	MHZ FROM 94 7000)	RECEIVED	FREQUENCY		
	1500 -3(	THZ FROM 94. 7000)	RECEIVED	FREQUENCY	CH58 A	A STATE OF THE STA
	i. 6500 -3(	MHZ FROM 94.7000)	RECEIVED	FREQUENCY		
	6500 -3	MHZ FROM	RECEIVED	FREQUENCY		
	NOTE: 1. 1794	MH7 FRAM	PECETUES	Coccine	CH21 C	516. 8294
	NOTE: 2.1000 .3500 -7(	MH2 FROM	PECETUES		CH21 A	517. 7500
	NOTE: 8988	MHT FROM	1( 8	100 mm		
192						
192						190. 9295
	4501 -4(	MHZ FROM	RECEIVED	FREQUENCY		191. 7500
	8500 -7(	MHZ FROM	RECEIVED	FREQUENCY		477. 2400
	8500 -74	94. 7000)	RECEIVED	FREQUENCY		196. 8195
	NOTE: .8900 9500 -40	MHZ FROM	RECETUEL	EDECLIENCE	CH10-A	197. 7400
	NOTE: . 1305	MHZ FROM	EFCETVED RECETVED	57. /500) EBEOUENOU		
	NOTE: . 7980	MHZ FROM	T. S PECETUEN	29. (500)		
	NOTE: 1. 5205	MHZ FROM	ECETUEN BECETUEN	79. 2501)	CH17 C	24.4 0000
	NOTE: . 6000	MHZ FROM	PECETUEN TV	(7. 2301) EDECUENCY		
	NOTE: 1.0600		ZENETAED	FREQUENCY	CH10-Y	193. 2400

# INTERMODULATION STUDY

		COMP					
192	2. 1800	1(	94. 7000)	20	48. 7400)		
	11012	. 1. 330;	O ITHZ FROM	RECETVE	FREDUCIO		400 000
130							
400	MOLE		PINZ FROM	RECETUE	EDECHICAGO		404 7000
100							
400	NUIE	· T. LOSS	, MHZ FROM	RECETVE	ERECUENCE	CH08+C	104 0705
136							
400	MUTE	2006	MHZ FROM	RECETVED	EPEQUENCE	CHOS+6	185. 7600
100							
470	HUIE		MHZ FROM	RECETVED	ERECHENCH	01100 11	187. 2500
410							
E40	NUTE	. 7600	MHZ FROM	RECETVED	EPERUENCU	CH15-V	477. 2400
213							
540	NUIE	<b>E.</b> 5305	MHZ FROM	PECETUES		CH21 C	516. 8294
27.2							
	140   2	<b>1.</b> (100	MH7 FROM	DECETHER		CH21 A	517. 7500
74	9250	-1(	94. 7000)	10	169, 6250)	OTILL II	317. 7509
	HOIE.	E. 3100	MH2 FROM	PECETUES.	FRESHIPALE.	CH05-V	77. 2400
37.	ששככ	4 (	94. 7000)	-5(	169. 6250)		( C. 2400
	140   -	. иапи	MHA EDUM	DECETHES		RCOOS	39. 5000
E07.	TLOG	4(	94. 7000)	-10	169. 6250)		37. 3000
	140   6.	. ანნ	MH2 EBUM	DECETHER		CH12-C	208. 8195
LUJ.	HOTE.	4(	94. 7000)	-10	169. 6250)		L00. 0173
	11016.	. วธอย	MH2 EBUW	PERETUEN		CH12-8	209. 7400
LUS.							
	HOIE.	5. 0130	MH2 EBUM	PECETUES.	FREQUENCY	CH13 V	211. 2500
737	9254	E. 3730	MHZ FROM	RECEIVED	FREQUENCY	CH58 V	735. 2500
737	8254	1. 9945	MHZ FROM	RECEIVED	FREQUENCY	CH58 C	738. 8295
51.3	0500	1. 7230	MHZ FROM	RECEIVED	FREQUENCY	CH58 A	739. 7500
	NOTE.	2000	94. 7000)	-24 1	169. 6250)		
74	4000	-1(	PA ZCCC:	KECEIVED	FREQUENCY	CH21 V	513. 2500
	NOTE:	2 8400	אם רטטט)	1( 1	FREQUENCY 69. 1000)		
						CH05-Y	77. 2400
209.	7000	4(	MINZ FROM	RECEIVED	FREQUENCY	CH12-C	208, 8195
209	7000	. 6466	MHZ FROM	<b>8</b> F C E T い E か	EDECLIENCE	CH12-A	209. 7400
737	3001	A. JUNIO	MHZ FROM ( 94.7000)	RECEIVED	FREQUENCY	CH13 V	211. 2500
							735. 2500
		C. 8388	rinz FROM (	RECEIVED	FREGUENCY	CUEO U	777

Ellis & Wiebe, P.C.

Telecommunications Consulting Engineers 1010 S. Joliet Suite 204 Aurora CO 80012 (303) 367-1626

# INTERMODULATION STUDY

REQ	(MHz)	COMP				
73	7 3001	61				
	NOTE	. 4 500	94. (000)	1< 169. 100	0)	
	11016	·	S PINT LUID	DECETHER		738 8295
	NOTE	. 3 450	94. 7000)	1( 169. 100	0)	
51	4 1000	9/	MHZ FROM	RECEIVED FREQUE	NCY CH58 A	739. 7500
	NOTE	, OE0	94. 7000)	-2< 169. 100	0)	
	1121		7 1987 <b>56</b> 118	DECETHES SAME		513, 2500
	NOTE	. 3 300	94. (000)	-2< 169.100	<b>3</b> )	
7	7 7501	-0/	THE FROM	RECEIVED FREQUE	NCY CH21 C	516 8294
	MOTE	-0(	94. 7000)	2 417. 675	3>	720. 0234
741	3 6504	-4/	L MHZ FROM	RECEIVED FREQUE	NCY CH05-V	77 2499
	NOTE	-1(	94. 7000)	2( 417. 675	3)	
	14012	· 1. 3296	MHT FROM	DECETHER PROPERTY		738 8295
	NOTE	_1(	94. 7000)	2( 417. 675	3)	100.0235
	14016	Эиии	1 MH- EDOM	DECETHER		739 7500
	HUIL	. Bray	I MHZ FROM	DECETUED EDEALER		513 2500
21.						
	11016	. 7/03	MHT FROM	PECETUED CARALLA		516 9294
OTI	NOTE.	٤(	94. 7000)	2( 164. 2006	)>	910. OE 34
	11016	. ирии	MHA EBUW	DECETHER BESSEL		517 7500
E T 7	NOTE.	4(	94. 7000)	-1( 164. 2000	)	011. 1300
	. 6000	. 2270	MHZ FROM	RECETVED EDEDUEN	ICH CHAR A	214 0205
F	NOTE.	4(	94. 7000)	-1( 164. 2000	)	C17. 0E 7.3
772	4001	T. 1300	MHZ FROM	RECETVED EDEDUCA	CU CUAS S	215 7500
1 32	NOTE	6(	94. 7000)	164. 2000	)	CTO. LOSS
210	. 5000	E. 6566	HUS FROM	RECEIVED FREGUEN	CH CHES	735. 2500
210	. 5000	T. 0000	MHZ FROM	PERTURN EDENIEW	CII CIII A	202 9195
FIS						
2412	. 5000	. (000	MHZ FROM	POSTUSO SPECUSO	CII CIII C	209 7400
CIO						
776	. 5000	. ( 788	ITHZ FROM	ECETYFO EDGOUGH	CII CIII	211 2500
. 35						
776	5000	T. 6000	MHZ FROM	FOFTUEN EDEALES	211 2112	775 2500
136.	NOTE	6(	94.7000)	1 168. 3000		100. 2000
546	MUIE:	E. 3273	MHZ FROM	ECETHER EDGALOW		778 000F
UIJ.	מטטי	9(	94. 7000)	-2( 168. 3000)	)	199.0670
	11016.	S. 4000	MHS EBUM	EFETUER PROPERTY		517 0500
JIJ.		~ `	24. (MMM)	-2( 4/0 7000)		
	140   [.	1.1690	MH2 FRUM	CCCTUCO COCOLONIA		E44 0004
15.		<b>2</b> 3	ZT. I DINI	-21 160 7000 <b>:</b>		
	HOIE.	E. 6299	MHZ FROM	ECETUED COCOURTS		843
74.						
	NOTE:	2. 7150	MHz FROM	ECEIVED FREQUENC	יט רשמב_יי.	77
				INCOCITE	T CH03-V	77. 2400

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### INTERMODULATION STUDY

	FREQ	(MHz)	COMP							
	20	9. 5750	4(	94, 7000)	-10	169. 2250)				
	20	NOTE	· . r 33	O MHZ FROM	RECETVE	D EDEDUCATO		-0	200	04.0=
	20	9. 5750 NOTE	4(	94. 7000)	-1(	169. 2250)	01111	1	೭೮೮.	8195
	20	9. 5750		o MHZ FROM	RECETVE	C EPECHENCE	CH12	-A	209.	7488
		NOTE	: 1, 675	74. (000) 7 MH- EDOM	-1( BECETUE	169. 2250)				
	73					169.2250) P FREQUENCY 169.2250)				
		11016	· c. 1(3)	A WHA EBUW			CUEO			
	73	7. 4251	6(	94. 7000)	1<	169. 2250)	CHOR	٧	735.	2500
		1121	· ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	* MHZ FRUM	PECETUES		CH58	C	770	9205
	131	NOTE	6(	94. 7000)	1(	169. 2250)			130.	0273
		14016	· E. SEDV	I MHS EBUM			CH58	A	739.	7500
		NOTE	: 6000	94. 7000)	-2(	169. 2250)			16 10	
	513	8. 8500	9(	94. 7000)	MECETAED	FREQUENCY	CH21	V	513.	2500
		NOTE:	2. 9795	MHT FROM	PECETUEN	169. 2250)				
	81	9501	-8(	94. 7000)	5(	419 77501	CH21	C	516.	8294
							CHOS-	C.	00	04.05
	81	9501	-8(	94. 7000)	20	419. 7750)	01100	C	50.	8175
			. 6191	MINT FRUM	PECETICA		CH05-	A	81	7400
	214									
	514	4750	1. 6230	94. 7000)	RECEIVED	FREQUENCY	CH21	V	513.	2500
		NOTE:	2. 3544	MHT FROM	PECETUES	419. 7750)				
	82									
		11121 -	<b>4. 430</b> 0	MHS EDUM	DECETHER		CHOE-	_		
	85									
		140 ( 2.	. 3101	MHA EBUW	PECETHER		CH05-	a	21	7400
	103									
	183	. 1750	-3(	MHZ FROM	RECEIVED	FREQUENCY	CH08+	٧	181.	2600
		NOTE:	1. 6645	MH- FROM	PECETUE!	467. 2750)				
	183					FREQUENCY				
		110	с. эвэи	MH2 PEDW	DECETHER		CHOO			
	195	6250	75	94. 7000)	-1(	467. 2750)	CU08+	Н	185.	7699
			E. 3047	MU84 280	PECETUEN	COCOLICA	CH1 0-1	, e	197 :	2400
	170.	NOTE.	7(	94. 7000)	-1 (	467, 2750)		•	1. J.J. 0	1400
		14016.	1. 1946	MH2 FROM	PERETUES	COCOLLON	CH10-		196. 8	8195
	518.	5501	50	94. 7000)	RECEIVED	FREQUENCY	CH10-6	7	197. 7	400
		NOTE:	1. 7296	MHT FROM	E/ I	164. 5750)				
	518.	5501	2<	94. 7000>	2( 4	FREWUENCY	CH21 (	;	516. 8	294
		140   2	. 6000	MHZ FRRM (	PECETUEN	EDECLIENCE	CH34 c		E45 -	
_								·	317. 7 	200 200
				Filips	0 1.4 4 4 4 4	5 6				

# INTERMODULATION STUDY

FREQ (MHz) COM	PONENTS	
214. 2250 4(     NOTE: 2. 97 214. 2250 4(     NOTE: . 60 214. 2250 4(     NOTE: 1. 52 732. 7751 6(     NOTE: 2. 47 76. 9501 -8(     NOTE: . 28	94.7000) -1( 164.5750)  94.7000) -1( 164.5750)  94.7000) -1( 164.5750)  45 MHz FROM RECEIVED FREQUENCY CH13 C 94.7000) -1( 164.5750)  50 MHz FROM RECEIVED FREQUENCY CH13 A 94.7000) 1( 164.5750)  50 MHz FROM RECEIVED FREQUENCY CH58 V 94.7000) 2( 417.2750)  99 MHz FROM RECEIVED FREQUENCY CH05-V 94.7000) 2( 417.2750)  06 MHz FROM RECEIVED FREQUENCY CH58 C 94.7000) 2( 417.2750)  07 MHz FROM RECEIVED FREQUENCY CH58 C 94.7000) 2( 417.2750)  08 MHz FROM RECEIVED FREQUENCY CH58 A 94.7000) 1( 417.2750)	211. 2500 214. 8295 215. 7500 735. 2500 77. 2400 738. 8295 739. 7500
END OF STUDY: 2:	PS RESULTANTS DESIGNED FREQUENCY CH21 V	513. 2500

END OF STUDY; 228 RESULTANTS PRINTED

EXHIBIT 290 PAGE 14

FM SITE MOVE
KZZZ
MOHAVE SUN BROADCASTING
94.7 MHz, CHANNEL 234 C
KINGMAN, ARIZONA
FEBRUARY 1985

# INTERMODULATION STUDY SUMMARY OF POSSIBLE INTERFERENCE

```
CHANNEL 3 (60 - 66)
  60, 530 4 ( 94, 7000) - 2 (159, 1350)
  61, 270 -1 ( 94, 7000), + 1 (155, 9700)
  61, 450 -1 ( 94, 7000) + 1 (156, 1500)
 61,800 -3 ( 94,7000) + 2 (172,9500)
 62.180 4 ( 94.7000) - 2 (158.3100)
 63.610 -1 ( 94.7000) + 1 (158.3100)
 64. 435 -1 ( 94. 7000) + 1 (159. 1350)
CHANNEL 5 (76 - 82)
 78. 250 -1 ( 94. 7000) + 1 (172. 9500)
CHANNEL 8 (180 - 186)
180.300 -3 ( 94.7000) + 1 (464.4000)
180.500 -3 ( 94.7000) + 1 (464.6000)
180.600 -3 ( 94.7000) _ 1 (464.7000)
180, 750 -3 ( 94, 7000) + 1 (464, 8500)
183.175 -3 ( 94.7000) + 1 (467.2750)
185.100 1 ( 94.7000) + 2 ( 45.2000)
CHANNEL 9 (186 - 192)
189.400 2 ( 94.7000)
CHANNEL 10 (192 - 198)
193.700 3 ( 94.7000) - 2 ( 45.2000)
CHANNEL 12 (204 - 210)
205, 850 4 ( 94, 7000) - 1 (172, 9500)
209.175 4 ( 94.7000) - 1 (169.6250)
209.540 -1 ( 94.7000) + 2 (152.1200)
209, 575 4 ( 94, 7000) - 1 (169, 2250)
209.700 4 ( 94.7000) - 1 (169.1000)
CHANNEL 15 (476 - 482)
476. 280 4 ( 94. 7000) + 2 ( 48. 7400)
476, 4501 -4 ( 94, 7000) + 1 (855, 2500)
480.950 -4 ( 94.7000) + 1 (859.7500)
```

EXHIBIT 290 PAGE 15

FM SITE MOVE KZZZ MOHAVE SUN BROADCASTING 94.7 MHz, CHANNEL 234 C KINGMAN, ARIZONA FEBRUARY 1985

# INTERMODULATION STUDY SUMMARY OF POSSIBLE INTERFERENCE

CHRNNEL 21 (512 - 518)
512. 375 1 ( 94. 7000) + 1 (417. 6750)
514. 475 1 ( 94. 7000) + 1 (419. 7750)
515. 650 -3 ( 94. 7000) + 1 (799. 7500)
516. 750 2 ( 94. 7000) + 2 (163. 6750)
517. 700 2 ( 94. 7000) + 2 (164. 1500)
517. 800 2 ( 94. 7000) + 2 (164. 2000)

CHRNNEL 58 (734 - 740)
735. 8751 3 ( 94. 7000) + 1 (451. 7750)
739. 8001 -2 ( 94. 7000) + 2 (464. 6000)
739. 850 -1 ( 94. 7000) + 2 (417. 2750)
740. 0001 -2 ( 94. 7000) + 2 (464. 7000)

#### INTERMODULATION STUDY

THIS STUDY CHECKS COMBINATIONS OF ANY THREE TRANSMITTING FREQUENCIES (INCLUDING HARMONICS) AGAINST SPECIFIED RECEIVED FREQUENCIES. ANY SUM WITHIN .050 MHz OF A RECEIVED FREQUENCY IS PRINTED FOR STUDY. (OR WITHIN .050 MHz OF FM CHANNELS, .050 MHz OF TV CHANNELS)

TDOM	CMTT	. OSO PINZ	AL IA CHUNNE
CALL	SMITTING FACILITIES	RECEIVING	FACILITIES
	FREQ (MHz)	CALL	FREQ (MHz)
KZZZ	94 7000 6		
TX00:	94. 7000 9	RC001	48. 3800
TX002	5250 2	RC002	35. 1600
TX00:	00. 1000 2	RC003	48. 2400
TX004	T1. (700 E	RC004	45. 2000
TX005	70. 6000 6	RC005	39. 5000
TX006	210.1000 2	RC006	146. 1600
TX007		RC007	158. 5800
TX008	200. 2000 2	RC008	158. 2899
TX009	-U-1. 0.0.00 E	RC009	153. 8900
TX010	200. 71 00 E	RC010	155. 9700
TX011	200. 1000 C	RC011	155. 5350
TX012	OTOD E	RC012	153. 2900
TX013	-47. 1000 C	RC013	156. 0450
TX014	201. 1000 E	RC014	164. 9375
TX015	200.01.00 2	RC015	162. 9250
TX015	-1 C. 7000 E	RC016	172. 1500
	TAU. 0 ( JU Z	RC017	408. 3000
TX017	10±. 1100 E	RC018	456. 7750
TX018	107. TOOD E	RC019	469. 4000
TX019	. 4 t. 0000 E	RC020	469. 6001
TX020	TO I TOOL E	RC021	469. 7000
TX021	197.9722 C	RCØ22	469. 8500
CH50 '		CH12-V	
CH50 (		CH12-C	205, 2400
CH60		CH12-A	208. 8195
CH60 A	751, 7581 2	CH58 V	209. 7400
CH66 4	783, 25nn 2	CH58 C	735. 2500
CH66 F	787, 75คค ล	CH58 A	738. 8295
CH68 \	795, 2501 2	CH05-Y	739. 7500
CH68 F	799. 7500 2		77. 2400
CH70 V	897, 2591 2	CH05-C	80. 8195
CH70 A	811. 7501 2	CH05-A	81. 7400
CH78 V	855. 2500 2	CH08+V	181. 2600
CH78 A	859. 7500 2	CH08+C	184. 8395
CH82 V		CH08+A	185. 7600
CH85 4	222	CH03+4	61. 2600
TX0038	0445	CH03+C	64. 8395
TX039	12530,0002 2	CH03+A	65. 7600
TX040		CH10-Y	193. 2400
	12469. 9997 2	CH10-C	196. 8195

#### INTERMODULATION STUDY

THIS STUDY CHECKS COMBINATIONS OF ANY THREE TRANSMITTING FREQUENCIES (INCLUDING HARMONICS) AGAINST SPECIFIED RECEIVED FREQUENCIES. ANY SUM WITHIN .050 MHz OF A RECEIVED FREQUENCY IS PRINTED FOR STUDY. (OR WITHIN .050 MHz OF FM CHANNELS) .050 MHz OF TV CHANNELS)

CALL	ING FACILITIES FREQ (MHz)	CALL	FREQ (MHz)
CALL	FREQ (MHz)  12489, 9995 2 12510, 0004 2 12730, 0000 2 12899, 9996 2 12774, 9991 2 12875, 0002 2 12925, 0001 2 48, 7400 2 1875, 0000 2 1885, 0000 2 1950, 0000 2 169, 6250 2 169, 1000 2 169, 2000 2 168, 3000 2 168, 3000 2 169, 2250 2 417, 7750 2 467, 2750 2 164, 5750 2 164, 5750 2	CALL  CH10-A RC035 RC037 RC038 CH09 C CH09 C CH13 C CH13 C CH15-A CH15-A CH15-A CH21 A CH21 A CH21 A RC047 RC048 RC049 RC049	TREQ (MHz)  197. 7400 12250. 0002 12230. 0004 12269. 9999 12209. 9995 187. 2500 190. 8295 191. 7500 211. 2500 214. 8295 215. 7500 477. 2400 480. 8195 481. 7401 513. 2500 516. 8294 517. 7500 48. 7400 1895. 0000 1945. 0000 1985. 0001
		RC051 RC052 RC053 RC054 RC055 RC056	172. 7750 169. 1000 414. 8250 164. 1250 408. 5750
		RC057 RC058 RC059 RC060	164. 7250 168. 3000 414. 9750 462. 2750 2168. 7998

# INTERMODULATION STUDY

FREQ	(MHz)	COMP	ONENTS					
16	4. 0800	24	94 7000	15 -24	47. 8200) D FREQUENC 47. 8200) D FREQUENC			
	NOTE:	. 045	O MH- FRO	M DECETIO	47. 8200)	5(	35	5. 1600)
15	3. 3000	30	94 7000	M KECEIVE	FREQUENC 47. 8200) FREQUENC 47. 8200) FREQUENCY	Y RC054		164 1250
	NOTE:	040	74. (UUU	) -5(	47. 8200)	-1(	35	16001
51	7. 7600	6.010	o liuz FKO	M RECEIVE	FREQUENC	7 RC012		153. 2900
	NOTE	84.9	94. 7000	) -5(	47. 8200)	10	4=	100. 2786
16	8. 3200	. 616	o MHZ FRO	M RECEIVED	47. 8200) FREQUENCY	CH21	A	517. 7500
								117. (30g 1. 1200)
41	4. 7850		~ IIIIZ FRU	II KELE VE	i EDECHENO		100	
41.								168. 3000
200	NUIE:	. 0400	o MMZ FRU	M RECETVED	ERECHENA			. 3550>
203	5. 1900	1(	94. 7000	> -1(	47. 8200)	KC023		414. 8258
	NOTE:		2 11112 FRUI	4 K F 1 F T V C P				. 3100)
61	L. 2400	5	94. 7000	) -2(	47.8200) FREQUENCY 47.8200)	CH12-		205. 2400
	NOTE:	. 0200	MHZ FROM	M RECETUEN	TI. OEDD)	-24	158	. 3100)
155	5. 9400	6(	94. 7000		47.8200) FREQUENCY 47.8200)	CH03+		61. 2600
	NOTE:	0300	MH- FROM	4 0505	71.02007	-5(	158	3100)
456	. 7699	75	94 7000	· WESSTAFD	FREQUENCY 47. 8200)	RC010		155. 9700
	NOTE:	9951	MH- FDON	1 05055	47. 8200)	-1(	158.	3100)
				S( KECETAED	FREQUENCY	RC018		456. 7750
	NOTE:	0500	MUT FOR	2(	47. 8200)	24	159.	1350)
172	7850	7/	PA ZODO	RECEIVED	FREQUENCY	RC002		35. 1600
	NOTE	64.70	74. (000)	1(	47. 8200)	-14	159	1350)
185	7800 -	4.C	MHZ FROM	RECEIVED	47. 8200) FREQUENCY	RC051		172. 7750
	NOTE:	T (	94. 7000)	-10	47. 8200)	20	164	1500)
460	. 8800	. ช <b>८</b> ยช	MHZ FROM	RECEIVED	EREGUENOU	CHOOLA		105 7/04
TO 2.	NOTE.	2(	94. 7000)	-16	47. 8200)	20.1	164	185. 7600
110	1400	. 0301	MHz FROM	RECEIVED	47. 8200) FREQUENCY 47. 8200) FREQUENCY	RC022	104.	1200)
140.	1400	4(	94. 7000)	20	47. 82001	-21	40.	469. 8500
400	MUTE:	. 0299	MHZ FROM	RECEIVED	47. 8200) FREQUENCY	PCGGG	164.	1500)
Tag.	7700 -	2(	94 70001	4.6	- NEWOFIACT	KC996		146, 1600
	MULE:	01 DO	MU- COOM	0-0			163.	6750)
184.	8300 -	1(	94. 7000)	-1(	FREQUENCY 47. 8200)	ี เนอด+ม		185. 7600
							163.	6750)
469.	8701	1 <	94. 70001	17	FREQUENCY 47. 8200)	CHBS+C		184. 8395
	NOTE:	. 0201	MHz FROM	RECETUES	47.8200) FREQUENCY 47.8200)	20	163.	6750)
155.	5600 -	14	94. 7808)	PECETAED	LKEMOENCA	RCØ22		469. 8500
	NOTE:	. 0250	MHT EDOM	-2( PESETUES	47. 8200)	21	172.	9500)
81.	7550 -	36	94. 7000)	MEGETAED	LKEROFUCA	RC011		155. 5350
							413.	6750>
172.	1400 -	. 5775	94. 7000)	RECEIVED	47. 8200) FREQUENCY	CH05-A		81. 7400
								4000)
121	2400	. סבטט	THZ FROM		47.8200) FREQUENCY	RC016		
							161	172. 1500
	MOIE:	. 0200	MHz FROM	PECETUES	47.8200) FREQUENCY	CHBOTO -	404.	4000)
೧೨೮.	<b>85</b> 00 −1	. 🤇	94. 7000)	-2(	47. 8200)	-Undata		181. 2600
	NOTE:	. 0306	MHz FROM	RECETVEN	47.8200) FREQUENCY (	CUEC -	464.	5000)
					NEWOCKS.Y		•	770 0

# INTERMODULATION STUDY

			ONENTS				
17	2. 7401	-9(	94. 7000	2 20	47. 8200)		
	14015	. 035	0 MHz FROI	M RECEIVE	47.8200) D FREQUENC	L 00054	
46							
	NOTE	. 015	0 MHz FROM	1 RECETVE	47.8200) D FREQUENC	1(	
16							
E 3	NOTE	. 035	0 MHz FROM	1 RECETVE	47.8200) D FREQUENC	-1(	
45			ZT. (DDD)	7 (	47 0000		
	NOTE:		MHZ FROM	1 RECETUE	47. 8200) P FREQUENCY	1(	787. 7500)
4	8. 7100		94. 7000)	-26	A PREMOTENCY		456. 7756
	NOTE:	. 030	MHZ FROM	PECETUE	47.8200) FREQUENCY	1(	807. 2501)
48	9. 7799	-40	94. 7000)	VECETAE!	PREGUENCY	RC047	48. 7408
	NOTE:	. 049	5 MH- EDOM	1(	47. 8200)	1(	
47	7. 2201	3(	94. 7000)	KECETAE	FREQUENCY	' CH15-C	480 8199
	NOTE:		T. ( EUDIN )	-1	47 0000		
48:	1. 7700	1(	94. 7000)	KECEIVED	FREQUENCY	' CH15-Y	477. 2408
	NOTE:		TT. TOUD)	1 (	47 0000	-	
488	3. 8300	2(	OA TOO	RECEIVED	FREQUENCY	CH15-A	481. 7401
	NOTE:	_ ,	ע שמטין . די	-1(	47 0000		
45	5. 2400	. 0106	MHZ FROM	RECEIVED	FREQUENCY	CH15-0	
	NOTE:		AT. (UUM)	<i>(</i>	47 0000		480.8195 164.2000)
516	8600	. 0400	MHZ FROM	RECEIVED	FREQUENCY	RC004	
210		- 4	ZT. (UNNI)	-26	47 0000		45. 2000
4.5	NOTE:	. 0305	MHz FROM	RECEIVED	FREQUENCY	CHO4 C	164. 2000)
168			ZT. (DDD)		47 0000		
	NOTE:	. 0150	MHZ FROM	RECEIVED	FREQUENCY	1(	169. 2250)
48	7100	- 1	PT. (UNINI)	-26	47 0000		168. 3000
h ET	NOTE:	. 0300	MHz FROM	RECETVEN	FREQUENCY	-50	164. 5750)
39	4600	1(	94. 7000)	1(	TE 4400NLY		48. 7400
	NOTE:	. 0400	MHz FROM	RECETUES	35. 1600) FREQUENCY	-5(	45. 2000)
158	. 5400	3(	94. 7000)	-1(	FREMOENCA		39, 5000
	NOTE:	. 0400	MH7 FROM	PECETUEN	35. 1600) FREQUENCY	-5(	45. 2000)
164	. 9050	3(	94. 7000)	KECETAER	PREGNENCA	RC007	158. 5899
	NOTE:	. 0325	MH- FROM	1(	35. 1600)	-1(	154. 3550)
480	8199	80	94. 7000)	KECETAED	35. 1600) FREQUENCY	RC014	164. 9375
	NOTE:		ZT. (DDD)	7 (	75 44000		155. 9700)
193.		.2000	94. 7000)	KECEIVED	FREQUENCY	CH15-C	480. 8195
	NOTE:	6200	74. (000)	20	35. 1600)		156 1500)
469	6799	. 5558	THE FROM	RECEIVED	FREQUENCY	CH10-V	156. 1500) 193. 2400
	NOTE:	0004	74. (999)	-5(	35. 1600)	-20	156. 1500)
181	2600		THIS CRUPT	KECETAED	35. 1600) FREQUENCY	REB21	
-·- ·							
169	ATO4	. ийий	MH- EDOM	05055			158. 3100)
70 J.							
	NUTE:	. 0300	MHz FROM 8	RECEIVED	35. 1600) FREQUENCY	-T(	158. 3100)
153.	2500 -	1(	94. 7000)	-20	FREQUENCY 35. 1600)	KCRIA	469. 4000
	NOTE:	. 0400	MHz FROM A	RECETVEN	35.1600) Frequency (	Z( :	159. 1350)
			F11:-		- KEWUENCY	KC012	153, 2900

## INTERMODULATION STUDY

FREQ (MHz) COMPO					
414. 9500 7(	94. 7000)	54	35. 1600)	-20	159. 1350)
	. IIMZ FRIIM	RELETATION	FREQUENCY	RC058	159. 1350) 414. 9750
NOTE: . 0500 181, 3100 50	MHZ FROM	RECEIVED	FREQUENCY	PC014	103. 6750)
	ו ועועוע ז . דע	7 (	75 44000		
NOTE: . 0500	MHZ FROM	RECEIVED	FREGUENCY	LHBOT	
	TH. CUMMI	11	75 4400		
NOTE: . 0100	MHZ FROM	RECETUEN	EDECHENOL	T/	
	74 (NNN I		75 4466		
NUIL: . 0400	MHZ FROM	PECETUEN	FDEGUENO		
				10	
215. 7600 -3(	94 70001	A.C	FREUDENCY	RC010	
NUIE: .0100	MH2 FROM	PECETHER	5555	10	464. 7001)
162.8900 7(	94 7000	WEGETAER	PREGUENCY	CH13 A	215. 7500
NOTE: 0350	MU- FDOM	-1(	35. 1600>	-1(	464. 8499)
NOTE: . 0350 48. 7300 -6(	94 7880\	RECEIVED	FREQUENCY	RC015	162. 9250
NOTE: .0100 35.1900 8(	MHZ FRUM	RECEIVED	FREQUENCY	RC047	40 7400
	74. (NNN)	-1(	75 440-		
NOTE: . 0300	TIDZ FRUM	KECEIVED	FREQUENCY	RC002	75 1600
	74 (NNN)	1 (	70 4455		
NOTE: . 0250 408.5700 -50	MHZ FROM	PLIETUED			155. 5350
	7 T. ( PIPIPI I	m' (	75 44000		
14012 9909	UHZ FRUM	RECETVES	ESSOURCE HOLD	55655	
	74 (NUM)	20	75 4444		169. 6250)
	HHZ FRUM	RECEIVED	FREGIENCY	CHOOTE	
	74. (UUU)	-16	75 44000		184. 8395
NOTE: .0150	MHZ FROM	RECEIVED	FREGUENCY	CH34 II	169. 6250)
	74. (BNN)	-26	7E 4400		
	THE PRUM	RECETVED	FREDUENCU	DCGGT	169. 6250)
	74. (6000)	20	75 46001		
	24. (NNN)	-20	75 46000		
NOTE: .0105 477.2150 10	MHz FROM	RECETUED	55. 1600)	2(	417. 6750)
477. 2150 10	94. 7000)	-16	FREQUENCY	CH10-C	196. 8195
NOTE: 0250	MH- EDOM	-1/	35. 1600)	1(	417. 6750)
NOTE: .0250 739.7801 5(	94 70001	WEDSTAFD	PREMOENCA	CH15-Y	477, 2400
NOTE: 0300	MHT FOOM	- <u>-</u>	35. 1600)	20	168. 3000)
	THE FRUIT	KENETAED	<b>EKECOENCA</b>	CH58 A	739 7500
	74. (BUBL)	-27	7E 4/00.		419. 7750)
NOTE: .0299 65.7650 6(	ndz FROM	KECEIVED	FREQUENCY	RC051	172 7750
331.330	<b>74.</b> (NNN)	-1 (	70 4444		
NOTE: .0050   164.1300 -1(	MHZ FROM	SPIETUED.			
	1014 EBLIN 1	6.10-1 10-1 25 PER 12	COCOLENAL	RC054	164 1250

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Telecommunications Consulting Engineers 1010 S. Joliet Suite 204 Aurora CD 80012 (303) 367-1626

F	REQ	(MHz	COMP	ONENTS					
	16	8. 335¢	3 -3(	94 7000					
		NOTE		94. 7000	) 1(	35. 1600)	1(	41	7. 2750)
	4	8. 7299	2 (	PHZ FRU	1 NEVETYE	L LKERNENC	Y RC057		168. 3000
		NOTE	- 1	74. (999	)	47 7400			5. 2000)
	16			o MHZ FROM	N RECEIVE	P FREQUENCY	RC047		48. 7400
		NOTE	-	24. (999)	, 10	47 7400			3. 2000)
	21.	4. 8400	5 5 5 5 5 5	O MAZ FRUI	M RECEIVE	FREQUENCY	RC056		164. 7250
		NOTE		74. (000)	) 1(	47 74005		15:	3. 2000)
	21.			O MHZ FROM	1 RECEIVED	FREQUENCY	CH13 (		214. 8295
	200	NOTE		74. (000)	) 7	47 74005			1. 3550)
-	779	5. 2500	637	MHZ FROM	1 RECEIVED	FREQUENCY	CH13 C	:	214. 8295
	1 01	NOTE		74. (999)	1 1 (	47 7400			1. 3550)
	770	3. 8400		MHZ FROM	1 RECEIVED	FREQUENCY	CH58 V	,	735. 2500
	1 00			2 4 ( VIVIUI	1 1/	47 -4			
	65	5. 7200	0100	MHZ FROM	1 RECEIVED	FREQUENCY	CH58 C	:	738. 8295
	0.	NOTE		2T. ( 999 )		47 74001	~ /		5. 1500)
	205	NOTE		MHZ FROM	RECEIVED	FREQUENCY	CH03+8	1	65. 7600
	E O	NOTE		74. (BBB)	-16	47 74001			
	172	2. 7500		MHZ FROM	RECEIVED	FREQUENCY	CH12-V		205. 2400
	7.1.	NOTE		ע שששו זיד ד	-7(	47 7400	4 4		3100)
	77	. 2250		MHZ FROM	RECEIVED	FREQUENCY	RC051	0-	172. 7750
		NOTE	• •	ע שעשט ז . דע	-1(	47 7400			. 1350)
	61	. 3100	. 0156	MHZ FROM	RECEIVED	FREQUENCY	CH05-V		77. 2400
	01	NOTE	~ \	74. (UUU)	76	47 74005			. 1350)
	156	. 0100		MHZ FROM	RECEIVED	FREQUENCY	CH03+V		61. 2600
	100	NOTE	7.	74. (UNN)	2(	47 74001			. 1350)
	154	. 0100		MHZ FROM	RECEIVED	FREQUENCY	RC010	-0,	155. 9700
	100	NOTE:	71	74. (UUU)	20	47 74001	- 21	159	. 1350)
	456	8050		MHZ FROM	RECEIVED	FREQUENCY	RC013		156. 0450
	700		01	74. (000)	1 (	47 74001		159	. 1350)
	400	NOTE: 2850	. 6366	MHZ FROM	RECEIVED	FREQUENCY	RC918	-03	456, 7750
	700.	NOTE:		74. (UUU)	-20	47 74005	4 4	150	1350)
	161	9300		MHz FROM	RECEIVED	FREQUENCY	RC917	<b>40</b> %	408. 3000
	104.		<u> </u>	74. (NNN)	20	47 7400		164	1500)
	160	NOTE:	. 0075	MHz FROM	RECEIVED	FREQUENCY	RER14	<b>407</b> .	164. 9375
	TOC.			74. (UUU)	-2C	47 74005		167	104. 73/3 6780\
	477	NOTE:	. 6366	MHz FROM	RECEIVED	FREQUENCY	RC015	100.	
	<b>T</b> (C,	2099	~ \	24 (NNN)	-16	47		167	162. 9250 6750)
	473	MUIE:	. 0301	MHz FROM	RECEIVED	FREQUENCY	CH15-V	100.	
	⊥ r ⊂.		- `	ZT. CYMMINI	-27	47 74			477, 2400 9500)
	164	MUIE:	. 9299	MHz FROM	RECEIVED	FREQUENCY	RC016	- I C.	
•			<b>—</b> 1	ZT. CUMMI	1 (	47 7400.		451	172. 1500 7750)
	400	NUTE:	. 0400	MHz FROM	DEPETUED.	FREQUENCY	2. RC054	7JI.	
			~~ `	24. (UUU)	1 (	47 74001		ACA	164. 1250
		NU (E:	. 0400	MHz FROM	化医压压 上分丘的	FREQUENCY	EC017		
									408. 3000
				E114-	0 112 -1		_		

F	FREQ	(MHz)	COMP	ONENTS							
	40										
1	40	8. 3499		94. 7	999)	-50	45. 2000)	-10	161	. 1500	
		NUTE	. 050	ו אווו פ	- KUP	1 RECEIVES	FREQUENCY	Y PCG17	104		
	17			74. (1	ו שטש	1 1 (	45 20001		170	408. : . 9500:	
		NOTE	. 025	0 MHz I	FROM	RECEIVED	FREQUENCY	PC054	715		
	-			74. (1	<b>300)</b>	-20	45 2000	4.0	484	172.	
		NOTE	. 035	0 MHz	FROM	RECEIVED	FREQUENCY	Y CHOS-U	, 431	7750	
	81		0,	74. ()	461643	-20	45 3000			77. 2 4000:	
		NOTE	. 019	5 MHz R	FROM	RECEIVED	FREQUENCY	L LHBS-C	. 704		
	15.		1 1	74. ()	נ ועואני	-16	45 2000			80.8	3175
		NOTE	. 010	9 MHz F	FROM	RECEIVED	FREQUENCY	PCB12	704		
	184	0000	<b>-</b> \	74. 78	31411	-20	45 0000			153. 8	
		NOTE	. 039	5 MHz F	ROM	RECEIVED	FREQUENCY	LHWSTL T/	704.		
	81		01	74. ()	לשטנ	-20	45 2000	21		184. 8	
		NOTE		MHZ F	ROM	RECEIVED	FREQUENCY	CHOS-0	704.	04997	
	81			74. CE	ישטו	2(	45 2000)	41	404	81. 7 8499)	
		NOTE	0109	MHZ F	ROM	RECEIVED	FREQUENCY	CHOS-0	704.		
	48	. 2500	01	74. (E	INIM )	20	4E 2000			81. 7 7500)	
		NOTE	. 0100	MHZ F	MCS	RECEIVED	FREQUENCY	PCGGZ	122.		
	408	. 0200	31	74. (9	1414	-10	45 0000			48. 2	
		NOTE	. 0500	MHz F	ROM	RECEIVED	FREQUENCY	Pross	167.		
	184	. 2222	01	74. (6	<b>66</b>	-10	45 2000		160	408.5	
		NOTE:	. 0395	MHz F	ROM	RECEIVED	FREQUENCY	LHBOTC	103.	1000)	
	408			74. (19	י שש	-20	45 20001	-41	161	184. 8	342
		NOTE:	. 0000	MHZ F	ROM	RECEIVED	FREQUENCY	PC017	104.	2000)	
	48	. 2000		34 /1	ыыт	27	45 0000	_	460	408. 3	999
		NOTE:	. 0400	MHZ F	ROM	RECEIVED	FREQUENCY	BCBBZ	100.	3000)	400
	489	. 0000	= (	74. (19	いほう	-10	45 20001	24	160	48. 2	400
		NOTE:	. 0195	MHZ F	ROM	RECEIVED	FREQUENCY	CH15-C		3000)	4.00
	214	8000	31	74. (9)	(טט	-20	45 20001	-41		480.8 3000)	195
		NOTE:	. 0295	MHZ F	ROM	RECEIVED	FREQUENCY	CH17 C			
	164			74. (b)	99) ·	20	45 2000	4.		214.8; 2250)	520
		NOTE:	. 0125	MHz F	ROM	RECEIVED	FREQUENCY	RC014			
	205	2750	-2 4	<b>74.</b> (4)	41410	26	45 2000			164. 9: 2250)	3/3
		NOTE:	. 0350	MHZ FI	MOS	RECEIVED	FREQUENCY	CH1 2-U	107.		4.0.0
	414.		1 3	74. (B)	ו ועני	26	AE OCCOL			205. 2	499
		NOTE:	. 0250	MHZ FF	MCIS	RECEIVED	FREDUENCU	PCGET			
	181.		1 1	77. (BU	י. שני	<b>-</b> ' (	45 2000	~ .		414.8	200
		NOTE:	. 0077	HUZ FE	(UII	KECEIVED	FREQUENCY	CHBOTA		2750)	
	456.		~ ·	24. CER	IN I	7	45 2000			181. 26	200
		NOTE:	. 0250	MHZ FR	MOS	RECEIVED	FREQUENCY	PC040		2750)	
	146.		0 \	74. (BE	161.7	1 (	45 2000		167	456. 77	750
- Cherry	- 5	NOTE:	. 0350	MHZ FR	MCS	RECEIVED	FREQUENCY	-1( PC006			
	164.		٥,	74. ('UN	ל שו	1.0	45 2000s	-4.		146. 16	
		NOTE:	. 0000	MHZ FR	MO:	RECEIVED	FREGUENCO				
										154.72 	36
				F11		9 1.12					

#### INTERMODULATION STUDY

```
FREQ (MHz)
            COMPONENTS
  -----
  169. 0600 -3( 94. 7000) 1( 146. 7600) 2(
      NOTE: . 0400 MHz FROM RECEIVED FREQUENCY RC052
                                                   153. 2000)
                                                   169. 1000
  205. 2600 -1(
                 94. 7000) 1( 146. 7600) 1(
      NOTE: . 0200 MHz FROM RECEIVED FREQUENCY CH12-V
                                                   153, 2000)
  408. 5600 6( 94. 7000) 1( 146. 7600) -2(
                                                    205. 2400
                                                   153. 2000)
           . 0150 MHz FROM RECEIVED FREQUENCY RC055
      NOTE:
                                                   408, 5750
  209. 7399 70
                  94. 7000) -1( 146. 7600) -2(
                                                   153. 2000)
      NOTE: . 9000 MHz FROM RECEIVED FREQUENCY CH12-A
                                                     209. 7400
  738. 8200 8(
                94.7000) 2( 146.7600) -2(
                                                  156, 1500)
      NOTE: . 0095 MHz FROM RECEIVED FREQUENCY CH58 C
                                                     738, 8295
 .739.7101 60
                 94. 7000) -1( 146. 7600) 2(
                                                  159. 1350)
      NOTE: .0399 MHz FROM RECEIVED FREQUENCY CH58 A
                                                    739, 7500
           7( 94.7000) -2( 146.7600) -1(
  205. 2300
                                                  164. 1500)
     NOTE: . 0100 MHz FROM RECEIVED FREQUENCY CH12-V
                                                    205, 2400
  215. 7350 -1(
                94. 7000) 1( 146. 7600) 1(
     NOTE: . 0150 MHz FROM RECEIVED FREQUENCY CH13 A
                                                  163. 6750)
                                                     215. 7500
   35. 1450 -10
                 94. 7000) 2( 146. 7600) -1(
     NOTE: . 0150 MHz FROM RECEIVED FREQUENCY RC002
                                                  163. 6750)
                                                      35. 1600
              94. 7000) 2( 146. 7600) -2(
  155. 5699 20
     NOTE: . 0349 MHz FROM RECEIVED FREQUENCY RC011
                                                  163. 6759)
              94. 7000) 2( 146. 7600) 1(
                                                    155. 5350
  517. 7950 -2(
     NOTE: . 0450 MHz FROM RECEIVED FREQUENCY CH21 A
                                                  413. 6750)
                                                     517, 7500
  214.8550 1(
                 94. 7000) -2( 146. 7600) 1(
                                                  413, 6750)
     NOTE: . 0255 MHz FROM RECEIVED FREQUENCY CH13 C
                                                     214, 8295
 155. 5600 5(
                94.7000) 1( 146.7600) -1(
     NOTE: . 0250 MHz FROM RECEIVED FREQUENCY RC011
                                                  464. 7001)
 146. 1399 80
                94. 7000) -1( 146. 7600) -1(
     NOTE: . 0201 MHz FROM RECEIVED FREQUENCY RC006
                                                  464. 7001)
                                                     146. 1600
 208.8300 -2(
                 94. 7000) -2( 146. 7600) 1(
     NOTE: . 0105 MHz FROM RECEIVED FREQUENCY CH12-C
                                                  691, 7500)
 462. 3099 -6(
                 94. 7000) 1( 146. 7600) 1(
     NOTE: . 0349 MHz FROM RECEIVED FREQUENCY RC059
                                                  883, 7500)
                                                  462, 2750
12210.0400 -6(
                 94. 7000) -1( 146. 7600) 1( 12925. 0001)
     NOTE: . 0400 MHz FROM RECEIVED FREQUENCY RC038
 735. 2600 8(
                 94, 7000) 1( 146, 7600) -1(
     NOTE: . 0100 MHz FROM RECEIVED FREQUENCY CH58 V
                                                  169. 1000)
                                                  735. 2500
 469. 7350 -1(
                 94. 7000) 1( 146. 7600) 1(
     NOTE: . 0350 MHz FROM RECEIVED FREQUENCY RC021
                                                 417, 6759)
                                                     469, 7000
 408. 2551 3(
                 94. 7000) -2( 146. 7600) 1(
                                                 417, 6750)
     NOTE: . 0450 MHz FROM RECEIVED FREQUENCY RC017
                                                     408. 3000
 215. 7700 80
               94. 7000) 2( 146. 7600) -2(
                                                 417.6750)
    NOTE: . 0200 MHz FROM RECEIVED FREQUENCY CH13 A 215.7500
         1( 94.7000) 1( 146.7600) -1( 164.2000)
  77. 2600
    NOTE: . 0200 MHz FROM RECEIVED FREQUENCY CH05-V 77. 2400
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6	4. 8099 NOTE	8(	94. 7000	1(	146. 7	7600)	-20	419	9. 7750)
	1. 2699		TICZ FRUP	A KECEIAE	D FREG	RUENCY	CH03+0	•	64 979
E.L.	NOTE	3(	94. 7000;	20	146. 7	600)	-54	467	7. 2750)
770	7850	. 0199	MHz FROM	RECEIVE	D FREG	UENCY	CH13 \	,	211 250
13:									
7.	NOTE	. 0350	MHz FROM	RECEIVE	D EREC	HENCL	CUEC		779 750
3.									
40-	NUIE	. 0408	THE FRUIT	RECEIVE	D FREQ	MENCY	RCGGS		75 460
10									
	NOTE:	. 0100	MHZ FROM	RECETVE	PPEO	HENCH	CUIDO		497 250
35									
	NOTE:	. 6738	THE FROM	RECEIVED	) FRED	HENCU	DCGGE		. 3000)
193									
	NOTE:	. 6766	MHZ FROM	RECEIVED	) FRED	HENCU	CHARLE		. 9700)
469									193, 2409
	NOTE:	. 0500	TITIE FRIDIT	RECETVED	EPEO.	HENCH	-1/	122	
48		-	PT. ( KIRIKI J	~ (	150 4	2001	- 4		469, 6881
	NOTE:	. 0400	MHZ FROM	RECETUES	EDEO	CICNICA	5000		. 1500)
215									
	NOTE:	. 0200	MHZ FROM	PECETUER	102. I	200)	1(	158	. 3100)
517	. 7950	75	94. 7000)	-50	450 4	UENCY	CH13 A		215. 7500
	NOTE:	. 0450	MHz FROM	PECETUES	152. 1	200)	1(	159	. 1350)
158	. 2899	80	94. 7000)	WESETAED	FREW	UENCY	CH21 A		
	NOTE:	0099	MHz FROM		152. 1	200)	-5(	451	. 7750)
> 65	7600	-10	94. 7000)	KECETAED	FREQU	DENCY	RC008		158. 2800
	NOTE:	. 0000	MH- FROM	PECETUEN	152. 1	200)	10	464	7001)
48	7799	-6(	MHz FROM	KEPETAED	FREGI	DENCY	CH03+A		65. 7600
									8499)
81	7700	-8(	MHz FROM 94.7000)	RECEIVED	FREQU	JENCY	RC047		48. 7400
100		-21	24. (WMM)	16	450 4	300.			
77	1901	. 0300	MHZ FROM	RECEIVED	FREQU	JENCY	CH05-A		81. 7488
									2501>
400	7400	. <b>27</b> 77	HINZ FRIM	RECETUEN	EDEGI	IENIGH			
100.			74. (NINNI	-20	460 46	100			
	1950	. 0100	THE FRUIT	MECETAED	FREGI	IENICU	PCQ47		455 5555
٠,,		- '	24. (999)	10	152 12	ומסי	-11	4.00	62501
200	NOTE:	. 4.400	THIS FRUIT	KELETAFI	FREDI	IENICU	CHOE-11		35 64.50
೯೩೪.		~ \	74. (8999)	-20	152 12	aa s	-24	400	
	NOTE:	. 0000	THE PROPE	KELETAED	FREQU	IFNCY	CH43-C		
209.		<b>U</b> (	24. ( <u>0</u> 000)	-1(	152 12	aa \	3/	4	
	NOTE:	. 0099	MHz FROM	RECEIVED	FREDU	ENCU	CH40 0		6750)
169.		-	マサ、ていいいう	1 ( 1	152 42	001	~ .		209. 7400
	NOTE:		MHz FROM	RECETVED	EDEUII	ENCI	-61		
		-	24. (BBBB)	20 6 4	E 3 4 7	001	4 4		169. 1000
	NOTE:	. 0356	94.7000) MHz FROM	PECETUEN.	LUC. IC	20)	-1(	417.	6750)
			THE TRUTH	MERCETAED	LKFMA	ENCY	CH58 C 		738, 8295

```
FREQ (MHz) COMPONENTS
    477. 1951 -1( 94. 7000) 1( 152. 1200) 1(
                                                 419, 7750)
       NOTE: . 0450 MHz FROM RECEIVED FREQUENCY CH15-V 477. 2400
    215.7650 4( 94.7000) 2( 152.1200) -1( 467.2750)
       NOTE: . 0150 MHz FROM RECEIVED FREQUENCY CH13 A 215.7500
     80.7850 9( 94.7000) -2( 152.1200) -1( 467.2750)
       NOTE: .0345 MHz FROM RECEIVED FREQUENCY CH05-C
    153. 3150 -6( 94. 7000) 2( 152. 1200) 1( 417. 2750)
                                                  80. 8195
       NOTE: . 0250 MHz FROM RECEIVED FREQUENCY RC012 153. 2900
    191.7100 2( 94.7000) -2( 153.2000) 2( 154.3550)
       NOTE: . 0400 MHz FROM RECEIVED FREQUENCY CH09 A 191. 7500
    197.7600 7( 94.7000) -1( 153.2000) -2(
                                                  155. 9799)
       NOTE: . 0200 MHz FROM RECEIVED FREQUENCY CH10-A 197. 7400
    164.1500 5( 94.7000) -1( 153.2000) -1( 156.1500)
       NOTE: . 0250 MHz FROM RECEIVED FREQUENCY RC054
    185, 7200 -3( 94, 7000) 1( 153, 2000) 2(
                                                  158, 3100)
       NOTE: . 0400 MHz FROM RECEIVED FREQUENCY CH08+A
    65, 7499 7( 94, 7000) 2( 153, 2000) -2(
                                                  185, 7600
                                                  451. 7750)
       NOTE: . 0101 MHz FROM RECEIVED FREQUENCY CH03+A
                                                  65. 7600
   190.8500 -8( 94.7000) 1( 153.2000) 1(
                                                  795. 2501)
       NOTE: . 0205 MHz FROM RECEIVED FREQUENCY CH09 C
   408.5500 -8( 94.7000) 2( 153.2000) 1(
                                                  190. 8295
                                                 859, 7500)
       NOTE: . 0250 MHz FROM RECEIVED FREQUENCY RC055
                                                   408. 5750
    61, 2800 -2( 94, 7000) 1( 153, 2000) 2(
                                                 48. 7400)
       NOTE: . 0200 MHz FROM RECEIVED FREQUENCY CH03+V 61.2600
   155. 9800 -1( 94. 7000) 1( 153. 2000) 2( 48. 7400)
       NOTE: . 0100 MHz FROM RECEIVED FREQUENCY RC010 155. 9700
   162.9600 -1( 94.7000) 2( 153.2000) -1(
                                                  48. 7400)
       NOTE: . 0350 MHz FROM RECEIVED FREQUENCY RC015
172.1500 -5( 94.7000) 2( 153.2000) 2(
                                                  162, 9250
                                                 169, 6258)
       NOTE: . 0000 MHz FROM RECEIVED FREQUENCY RC016 172. 1500
   172.8250 3( 94.7000) 2( 153.2000) -1(
                                                 417.6750)
       NOTE: . 0500 MHz FROM RECEIVED FREQUENCY RC051
                                                  172, 7750
   191.3000 7( 94.7000) -1( 153.2000) -2(
                                                 164. 2000)
      NOTE: . 0400 MHz FROM RECEIVED FREQUENCY CH08+V 181. 2600
   469. 3500 3(
                 94. 7000) -1( 153. 2000) 2(
                                                 169, 2250)
      NOTE: . 0500 MHz FROM RECEIVED FREQUENCY RC019
                                                 469, 4000
   187. 2750 7( 94. 7000) -2( 153. 2000) -1(
                                                 169. 2250)
      NOTE: . 0250 MHz FROM RECEIVED FREQUENCY CH09 V 187. 2500
   187. 2550 4( 94. 7000) 1( 154. 3550) -2(
                                                 172, 9500)
      NOTE: . 0050 MHz FROM RECEIVED FREQUENCY CH09 V 187. 2500
   146. 1950 5( 94. 7000) -1( 154. 3550) -1(
                                                 172. 9500)
      NOTE: . 0350 MHz FROM RECEIVED FREQUENCY RC006 146. 1600
   181.2399 7( 94.7000) -2( 154.3550) -1(
                                                 172. 9500)
      NOTE: . 0201 MHz FROM RECEIVED FREQUENCY CH08+V 181. 2600
```

FREG	(MHz)	COMP	ONENTS				
4	8. 3650	-1(	94 7000				
	NOTE	. 015	0 MHZ FROM	, -2( 1 PECETUE	154. 3550	)) 1(	451. 7750)
20	5. 2100	-60	94. 7000	SC KECETAE	D PKERNEY	ICY RC001	48. 3800
	NUTE	030	0 MHz FROM	1 RECETUE	154. 3550	) 10	10111007
6	1. 2900						
	NOTE	030	0 MHz FROM	RECETVE	D FREGUEN	7 1(	
7			ו ושושוא איידי	7 /	4 27 4 22 22 22 2	_	
	NOTE	. 015	9 1107 PRIM	RECEIVE	D FREGUEN	י -בו	
48			<b>24.</b> (999)	20	154 フロロへ		
	NOTE		5 MHz FROM	RECEIVE	PREGUEN	CU CHAR C	464. 8499)
21	5. 7950		74. (UUU)	-16	151 7550		
	NOTE		O IIMZ ERUM	RECEIVE	D ERFOLIEN	CD CD43 0	464. 8499) 215. 7500
15	B. 5950						
	NOTE:	. 0150	MHz FROM	RECEIVED	FREGUEN	CU DCGG	691. 7500)
16		-	AT. CEIPIPI	7 (	454 TRMA		
	NUTE:	. 0200	O HOZ FRUM	KECEIVED	PREGUENI	CY POSS	
400	NUTE:	. 0451	MHz FROM	KECEIVED	FREGIFN	CY CHAS-U	799. 7500) 77. 2400
408	3. 3400	-1(	94. 7000)	-20	154, 3550	1(	811. 7501)
404	NUTE:	. 0498	MHz FROM	RECEIVED	FREDUENC	U PCR47	460 7000
131							
454	MUTE:	. 0450	MHZ FROM	RECEIVED	FREDUENC	A CHBOTH	
121			ו ושועוע איר.		4 T 4 T T T T T T T T T T T T T T T T T		
409	NOIE:	. 0100	HHZ FRUM	RECEIVED	FREQUENC	У СНЙЯ А	191. 7500
195							
1905	. 0450	. 9450	MHz FROM	RECEIVED	FREQUENC	Y CHOS+A	185. 7600
7200							
400	. 2900	. 0450	MHZ FROM	RECEIVED	FREQUENC	Y RC050	1950.0000) 1985.0001
700	NOTE.	4(	94. 7000)	-50	154. 3550)	20	169. 1000)
197	2300	. 0100	MHz FROM	WECFTAFD	FREQUENC	Y RC017	408. 3000
150							
77	. 2450	. 6699	MHZ FROM	KECEIVED	FREQUENC	Y CH10-V	417. 6750) 193. 2400
, ,							
39	4900	. 0030 -76	MHZ FROM 94.7000)	RECEIVED	FREQUENC	Y CHAS-V	168, 3000) 77, 2400
	NOTE	-3(	94. 7000)	1(	154. 3550)	1(	169. 2250)
408	5400	. 9299	MHz FROM	RECEIVED	FREQUENC	Y RC005	
100		T 1	フサ. イカルルリ		4 T 7 T T T T T T T T T T T T T T T T T	_	169 2250)
80	8350		THE LABOR	レビアピエスにい	- FREBLIENC	U Dones	4.6.
		_ `	<b>プサ. (りりり</b> )	200	ica sees.		417, 2759)
172	1050		- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	K			
		~ `	7 46 / 6101011	77 4			
191	7400						
		. 6798	111011	/COETAED	FREGUENCY	'CHOG B	194 7530
			=11:-				

FREQ (MH	z) comp	ONENTS				
414. 82 NO		94.7000; 0 MH- FPO	1 (	155. 9700)	1(	164. 1500)
181. 22		94. 7000	) 14	155 GIONE	Y RC053	414. 8250
NO 153. 85	TE: . 040	0 MHz FROM	1 RECEIVED	FREGUENC	Y CH08+V	164. 1500) 181. 2600
100. 60 NO						
187. 28	49 7(	94. 7000)	RECEIVED	PREQUENCY	7 RC009	153. 8900
NO	IE: . 034	MHZ FROM	RECETVED	155. 9700) FREQUENCY	-1(	
NO.	TE: . 0490	MHZ FROM	PECETUES	FREQUENCY	CH21 A	172. 9500) 517. 7500
	' ' '	J'T. ( VIVIVI I	7 (	AFF Omes.		
215. 79	50 5(	MHZ FROM	RECEIVED	FREQUENCY	, CH03 C	190. 8295
			1(	155. 9700) FREQUENCY	-1< .	
רסא	E: . 0450	MHZ FROM	PECETUES	COCOLICA	The state of the s	
164. 778	OTOS	ייוחב ראטון	KECEIVED	FREQUENCY	CH12-V	205. 2400
		24. (PIVIVI)	16	AFF ABAA.		
184. 829	0 -7(	94. 7000)	RECEIVED	FREQUENCY	RC056	164 7250
NOT	E: . 0195	MHz FROM	PECETUEN:	155. 9700) FREQUENCY	1 <	691, 7500)
		74. (999)	-26	155 0700		184. 8395
NOT		MHZ FROM	RECEIVED	FREQUENCY	T(	783, 2500)
158. 280 NOT		ZT. (WIND)	-1(	EE CHACL		187, 2500 787, 7500)
	0 -3(	MHZ FROM	KECEIAED	FREQUENCY	RC008	158. 2800
NOT		74 (NININI	-3/			787, 7500)
211. 210	0 -3(	94. 7000)	KECFIAED	FREQUENCY	CH09 A	191. 7500
NOT		MHZ FROM	RECETVED	.55. 9700) FREQUENCY	1(	807. 2501)
215. 709		74. (UNIN)	-20	SE 0700.		211. 2500
NOT		MHz FROM	RECEIVED	FREQUENCY	CH17 A	811.7501)
64. 880I		7	-1/			215, 7500 883, 7500)
185. 790	7 8(	MHZ FROM 94.7000)	RECEIVED	FREQUENCY	CH03+C	64. 8395
NOTE	E: OZAA	MH- EDIAM	2( 1	.55. 9700)	-1(	883, 7500)
415. 0100	3 5(	94. 7000 h	-14	55. 9700) FREQUENCY 55. 9700)	CHØS+A	185. 7600
	~ ~ .	24. (PIPIPI	-10	CC 0-0.		414. 9750
NOTE		TITZ FRUM	RECETVED	EDEDITERIOR	01155	417.6750)
	_ ,	ZT. (PININI	7 ( 4	~~~~		735, 2500
153 3300	0450	MHZ FROM	RECEIVED	FREQUENCY	RC053	414. 8250
	<b>—</b> 1	29 (PIPIPI	_17 / 41	PP		L64. 2000)
			KECEIVED (	FREQUENCY	RC012	164. 2000) 153. 2900
		E114-				

#### INTERMODULATION STUDY

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FREQ (MHz)
             COMPONENTS
     -----
    481. 7300 5(
                    94. 7000) -1( 155. 9700) 1(
        NOTE: . 0100 MHz FROM RECEIVED FREQUENCY CH15-A
                                                      164. 2000)
    164.7400 20
                   94. 7000) 2( 155. 9700) -2(
                                                        481, 7401
        NOTE: . 0150 MHz FROM RECEIVED FREQUENCY RC056
                                                      168. 3000)
    162. 8900 20
                   94, 7000) 2( 155, 9700) -2(
                                                         164. 7250
        NOTE: . 0350 MHz FROM RECEIVED FREQUENCY RC015
                                                      169. 2250)
    169. 1050 -1(
                  94. 7900) -1( 155. 9700) 1(
                                                         162. 9250
        NOTE: . 0050 MHz FROM RECEIVED FREQUENCY RC052
                                                      419. 7750)
    209. 6950 5(
                                                         169, 1000
                    94. 7000) 1( 155. 9700) -1(
       NOTE: . 0450 MHz FROM RECEIVED FREQUENCY CH12-A
                                                     419. 7750)
    172. 1900 20
                                                         209. 7400
                   94. 7000) 2( 155. 9700) -2(
       NOTE: . 0400 MHz FROM RECEIVED FREQUENCY RC016
                                                     164, 5750)
    211. 2100 9(
                   94. 7000) -2( 155. 9700) -2(
                                                         172. 1500
       NOTE: . 0400 MHz FROM RECEIVED FREQUENCY CH13 V
                                                     164, 5750)
    65. 7700 -1(
                                                         211. 2500
                    94.7000) -1( 156.1500) 2(
       NOTE: . 0100 MHz FROM RECEIVED FREQUENCY CH03+A
                                                     158. 3100)
    187. 2400 20
                                                         65. 7699
                    94. 7000) 1( 156. 1500) -1(
       NOTE: . 0100 MHz FROM RECEIVED FREQUENCY CH09 V
                                                     158. 3199)
   415.0001 1( 94.7000) 1( 156.1500) 1( NOTE: .0250 MHz FROM RECEIVED FREQUENCY RC058
                                                         187. 2500
                                                     164. 1599)
   197. 7000 -5(
                                                        414. 9750
                   94. 7000) -1( 156. 1500) 2(
       NOTE: . 0400 MHz FROM RECEIVED FREQUENCY CH10-A
                                                     413. 6750)
   513. 2250 -1(
                                                        197. 7400
                   94. 7000) 1( 156. 1500) 1(
       NOTE: . 0250 MHz FROM RECEIVED FREQUENCY CH21 V
                                                     451. 7750)
    48. 7000 -6(
                                                        513. 2500
                   94, 7000) -2( 156, 1500) 2(
       NOTE: . 0401 MHz FROM RECEIVED FREQUENCY RC047
                                                     464. 6000)
   208. 8000 -6(
                                                         48. 7400
                   94. 7000) 2( 156. 1500) 1(
       NOTE: . 0195 MHz FROM RECEIVED FREQUENCY CH12-C
                                                     464. 7001)
   164. 9500 5(
                                                        208. 8195
                   94. 7000) 1( 156. 1500) -1(
       NOTE: . 0125 MHz FROM RECEIVED FREQUENCY RC014
                                                     464. 7001)
   469.6500 1( 94.7000) -2( 156.1500) 1(
                                                        164. 9375
       NOTE: . 0500 MHz FROM RECEIVED FREQUENCY RC020
                                                     687, 2500)
   193. 2501 60
                                                        469. 6001
                   94.7000) 2( 156.1500) -1(
       NOTE: . 0101 MHz FROM RECEIVED FREQUENCY CH10-V
                                                     687. 2500)
   469.7500 -8(
                                                        193. 2400
                  94, 7000) -1( 156, 1500) 2(
      NOTE: . 0500 MHz FROM RECEIVED FREQUENCY RC021
                                                    691. 7500)
■ 408.3000 -7( 94.7000) -2( 156.1500) 2(
                                                        469. 7000
      NOTE: .0000 MHz FROM RECEIVED FREQUENCY RC017
                                                    691, 7500)
   735. 3000 -7( 94. 7000) -2( 156. 1500) 2(
                                                        408. 3000
      NOTE: .0500 MHz FROM RECEIVED FREQUENCY CH58 V
                                                    855. 2500)
   164. 1500 -4( 94. 7000) -2( 156. 1500) 1(
      NOTE: . 0249 MHz FROM RECEIVED FREQUENCY RC054
                                                    855, 2500)
  415.0000 -3( 94.7000) -1( 156.1500) 1(
                                                        164. 1250
      NOTE: . 0250 MHz FROM RECEIVED FREQUENCY RC058 414.9750
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414. 8301 5										
414. 8361 5( 94.7000) -1( 156.1500) 2( 48.7400) NOTE: .0050 MHz FROM RECEIVED FREQUENCY CH05-A 81.7400 NOTE: .0100 MHz FROM RECEIVED FREQUENCY CH05-A 81.7400 NOTE: .0305 MHz FROM RECEIVED FREQUENCY CH05-A 81.7400 NOTE: .0500 MHz FROM RECEIVED FREQUENCY CH05-A 81.7400 NOTE: .0500 MHz FROM RECEIVED FREQUENCY CH05-A 400.8195 NOTE: .0500 MHz FROM RECEIVED FREQUENCY CH05-A 400.8195 NOTE: .0650 MHz FROM RECEIVED FREQUENCY RC004 A8.3750 -1( 94.7000) -1( 156.1500) -2( 156.2500) A1.750 NOTE: .0650 MHz FROM RECEIVED FREQUENCY RC004 A8.3000 7( 94.7000) -1( 156.1500) -2( 156.2500) A1.750 NOTE: .0650 MHz FROM RECEIVED FREQUENCY RC005 A8.7500 -2( 156.1500) -2( 156.2500) A1.750 NOTE: .0250 MHz FROM RECEIVED FREQUENCY RC005 A1.7500 NOTE: .0250 MHz FROM RECEIVED FREQUENCY RC005 A1.7500 NOTE: .0100 MHz FROM RECEIVED FREQUENCY RC005 A1.7500 NOTE: .0100 MHz FROM RECEIVED FREQUENCY RC005 A1.7500 NOTE: .0250 MHz FROM RECEIVED FREQUENCY RC005 A1.7500 NOTE: .0250 MHz FROM RECEIVED FREQUENCY RC013 A1.7500 NOTE: .0450 MHz FROM RECEIVED FREQUENCY RC013 A1.7550 NOTE: .0450 MHz FROM RECEIVED FREQUENCY CH15-A NOTE: .0450 MHz FROM RECEIVED FREQUENCY CH09-A NOTE: .0450 MHz FROM RECEIVED FREQUENCY CH09-A NOTE: .0450 MHz FROM RECEIVED FREQUENCY RC023 A1.7500 NOTE: .0450 MHz FROM RECEIVED FREQUENCY RC024 A1.7500 NOTE: .0450 MHz FROM RECEIVED FREQUENCY RC025 A1.7500 NOTE: .0450 MHz FROM RECEIVED FREQUENCY RC026 A1.7500 NOTE: .0450 MHz FROM RECEIVED FREQUENCY RC026 A1.7500 NOTE: .0450 MHz FROM RECEIVED FREQUENCY RC026 A1.7500 NOTE: .0450 MHz FROM RECEIVED FR										
NOTE   040   04   7000   1   156   1500   -1   169   1000   100		41	4. 8301							
NOTE   040   04   7000   1   156   1500   -1   169   1000   100			NOTE	E: . 005	O MU- FDOM	-1(	156. 1500)	2(	48	3. 7400)
NOTE   .0100   MHz   FROM   RECEIVED   FREQUENCY   CH85-R   81,7400   15,1500   74,7000   2   156,1500   72   417,6750		. 8:	1. 7500	3 1(	A THIS LEGIT	I KEPETAF!	S PREGUENC	Y RC053		414. 8250
NOTE:0305 MHz FROM RECEIVED FREQUENCY CH15-C 1500 6( 94.7000) 2 (156.1500) -2( 450.8195 1500) 48.3750 -1( 94.7000) 2 (156.1500) -1( 156.15										. 1000)
NOTE		489	3. 8500	7 7 6	94 7000	. KECETAEL	FREQUENC	Y CH05-6	1	81. 7400
NOTE					5 MH7 FROM	L. L. PECETUE	156. 1500)	-5(	169	. 1000)
NOTE:   0500   MHz FROM   RECEIVED   FREQUENCY   RC004   45. 2000   26. 156. 1500   -16. 169. 2250   169. 2250		45	5. 1500	6(	94 70001	WECETAE!	FREGUENC	7 CH15-C		480. 8195
NOTE:					MHT FENM	PECETUES	156. 1500)	-5(	417	. 6750)
NOTE: .0050   MHz FROM   RECEIVED   FREQUENCY   RC091   48. 3800   70   74. 7000   -1 ( 156. 1500 ) -2 ( 169. 2250 )   168. 3800   70   70   70   70   70   70   70		48	3. 3750	-1(	94 7000	MEDETAER	FREQUENCY			
NOTE: .0000 MHz FROM RECEIVED FREQUENCY RC057 39.4749 7( 94.7000) -1( 156.1500) -1( 467.2750) NOTE: .0251 MHz FROM RECEIVED FREQUENCY RC005 48.7500 -5( 94.7000) -2( 156.1500) -1( 47.2750) NOTE: .0100 MHz FROM RECEIVED FREQUENCY RC0047 NOTE: .0100 MHz FROM RECEIVED FREQUENCY RC0047 NOTE: .0100 MHz FROM RECEIVED FREQUENCY RC0047 NOTE: .00100 MHz FROM RECEIVED FREQUENCY RC0047 NOTE: .00100 MHz FROM RECEIVED FREQUENCY RC0047 NOTE: .0005 MHz FROM RECEIVED FREQUENCY RC0047 NOTE: .0005 MHz FROM RECEIVED FREQUENCY RC0047 NOTE: .0005 MHz FROM RECEIVED FREQUENCY CH12-R NOTE: .0000 MHz FROM RECEIVED FREQUENCY CH12-R NOTE: .0000 MHz FROM RECEIVED FREQUENCY CH12-R NOTE: .0000 MHz FROM RECEIVED FREQUENCY CH15-V NOTE: .0000 MHz FROM RECEIVED FREQUENCY CH15-V NOTE: .0000 MHz FROM RECEIVED FREQUENCY CH09-A NOTE: .0000 MHz FROM RECEIVED FREQUENCY CH08-H S5.7300 -2( 94.7000) -2( 158.3100) 1( 691.7500) NOTE: .0000 MHz FROM RECEIVED FREQUENCY CH08-H NOTE: .0000 MHz FROM RECEIVED FREQUENCY CH08-H NOTE: .0000 MHz FROM RECEIVED FREQUENCY CH09-A NOTE: .0000 MHz FROM RECEIVED FREQUENCY CH08-H NOTE: .0000 MHz FROM RECEIVED FREQUENCY CH09-H NOTE: .0000 MHz FROM R						PECETUES	156. 1500)	-1(	169	. 2250)
NOTE		168	3. 3000	76	94 7000	KECETAED	FREQUENCY	RC001		48. 3800
NOTE: .0251 MHz FROM RECEIVED FREQUENCY RC005 48.7500 -5( 94.7000) -2( 156.1500) 2( 417.2750) NOTE: .0100 MHz FROM RECEIVED FREQUENCY RC007 156.0550 5( 94.7000) -1( 158.3100) -1( 48.7400) NOTE: .0100 MHz FROM RECEIVED FREQUENCY RC013 NOTE: .0100 MHz FROM RECEIVED FREQUENCY RC013 NOTE: .0095 MHz FROM RECEIVED FREQUENCY CH12-C 208.8150 NOTE: .0095 MHz FROM RECEIVED FREQUENCY CH12-C 208.8195 NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH12-C 209.7400 NOTE: .0450 MHz FROM RECEIVED FREQUENCY CH12-C 209.7400 NOTE: .0450 MHz FROM RECEIVED FREQUENCY CH12-C 209.7400 NOTE: .0450 MHz FROM RECEIVED FREQUENCY CH15-V 477.2400 NOTE: .0450 MHz FROM RECEIVED FREQUENCY CH15-V 477.2400 NOTE: .0300 MHz FROM RECEIVED FREQUENCY CH09-N 191.7550 1( 94.7000) -2( 158.3100) 1( 687.2500) NOTE: .0300 MHz FROM RECEIVED FREQUENCY CH09-N 191.7500 NOTE: .0300 MHz FROM RECEIVED FREQUENCY CH09-N 181.2600 NOTE: .0300 MHz FROM RECEIVED FREQUENCY CH09-N 185.7600 NOTE: .0300 MHz FROM RECEIVED FREQUENCY CH09-N 185.7600 NOTE: .0300 MHz FROM RECEIVED FREQUENCY CH09-N 185.7600 NOTE: .0350 MHz FROM RECEIVED FREQUENCY CH09-N 164.1250 NOTE: .0350 MHz FROM RECEIVED FREQUENCY CH09-N 164.1250 NOTE: .0350 MHz FROM RECEIVED FREQUENCY CH09-N 165.9700 NOTE: .0350 MHz FROM RECEIVED FREQUENCY CH09-N 165.9700 NOTE: .0350 MHz FROM RECEIVED FREQUENCY CH09-N 165.9700 NOTE: .0360 MHz FROM RECEIVED FREQUENCY CH09-N 165.9700 NOTE: .0360 MHz FROM RECEIVED FREQUENCY CH09-N 165.9700 NOTE: .0360 MHz FROM RECEIVED FREQUENCY CH09-N 191.7500			NOTE		MH- EDIM	PECETUED	156. 1500)	-5(	169	. 2250)
NOTE		39	4749	76	94 7000 N	KECETAED	FREQUENCY	RC057		168. 3000
NOTE: .0100 MHz FROM RECEIVED FREQUENCY RC047 NOTE: .0100 MHz FROM RECEIVED FREQUENCY RC047 NOTE: .0100 MHz FROM RECEIVED FREQUENCY RC043 NOTE: .0095 MHz FROM RECEIVED FREQUENCY CH12-C 1097 7599 4( 94.7000) 1( 158.3100) -2( 153.3100) -2( 15			NOTE	. 0251	MH- EDDM	PECETUE?	156. 1500)	-1(	467	. 2750)
NOTE: .0100 MHZ FROM RECEIVED FREQUENCY RC047 156.0550 5( 94.7000) -1( 158.3100) -1( 159.1350) 208.8100 4( 94.7000) 1( 158.3100) -2( 156.1500) 209.7599 4( 94.7000) 1( 158.3100) -2( 156.0450) 477.2850 -1( 94.7000) 1( 158.3100) -2( 164.1500) 477.2850 -1( 94.7000) 1( 158.3100) -2( 163.6750) 477.2850 -1( 94.7000) 1( 159.3100) 1( 413.6750) 477.2850 -1( 94.7000) 1( 159.3100) 1( 413.6750) 477.2850 -1( 94.7000) -2( 159.3100) 1( 413.6750) 477.2850 -1( 94.7000) -2( 159.3100) 1( 413.6750) 479.17550 1( 94.7000) -2( 159.3100) 1( 413.6750) 487.2400 498.8100 -2( 94.7000) 1( 159.3100) 1( 413.6750) 499.17550 1( 94.7000) -2( 158.3100) 1( 687.2500) 499.17500 -2( 158.3100) 1( 687.2500) 499.17000 -2( 158.3100) 1( 687.2500) 499.17000 -2( 158.3100) 1( 691.7500) 499.17000 -2( 158.3100) 1( 691.7500) 499.17000 -2( 158.3100) 1( 691.7500) 499.17000 -2( 158.3100) 1( 691.7500) 499.17000 -2( 158.3100) 1( 691.7500) 499.17000 -2( 158.3100) 1( 691.7500) 499.17000 -2( 158.3100) 1( 691.7500) 499.17000 -2( 158.3100) 1( 691.7500) 499.17000 -2( 158.3100) 1( 691.7500) 499.17000 -2( 158.3100) 1( 691.7500) 499.17000 -2( 158.3100) 1( 691.7500) 499.17000 -2( 158.3100) 1( 691.7500) 499.17000 -2( 158.3100) 1( 691.7500) 499.17000 -2( 158.3100) 1( 691.7500) 499.17000 -2( 158.3100) 1( 691.7500) 499.17000 -2( 158.3100) 1( 78.7500) 499.17000 -2( 158.3100) 1( 78.7500) 499.17000 -2( 158.3100) 1( 78.7500) 499.17000 -1( 158.3100) -1( 78.7500) 499.17000 -1( 158.3100) -1( 78.7500) 499.17000 -1( 158.3100) -1( 78.7500) 499.17000 -1( 158.3100) -1( 78.7500) 499.17000 -1( 158.3100) -1( 78.7500) 499.17000 -1( 158.3100) -1( 78.7500) 499.17000 -1( 158.3100) -1( 78.7500) 499.17000 -1( 158.3100) -1( 78.7500) 499.17000 -1( 158.3100) -1( 78.7500) 499.17000 -1( 158.3100) -1( 78.7500) 499.17000 -1( 158.3100) -1( 78.7500) 499.17000 -1( 158.3100) -1( 78.7500) 499.17000 -1( 158.3100) -1( 78.7500) 499.17000 -1( 158.3100) -1( 78.7500) 499.17000 -1( 158.3100) -1( 78.7500) 499.17000 -1( 158.3100) -1( 78.7500)		48	. 7500	-5(	94 7000	WEDETAED	FREQUENCY	' RC005		39. 5000
NOTE: .0100 MHz FROM RECEIVED FREQUENCY C013 156.0450 NOTE: .0095 MHz FROM RECEIVED FREQUENCY CH12-C 209.7599 4( 94.7000) 1( 158.3100) -2( 164.1500) NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH12-R 209.7400 NOTE: .0450 MHz FROM RECEIVED FREQUENCY CH12-R 209.7400 NOTE: .0450 MHz FROM RECEIVED FREQUENCY CH12-R 209.7400 NOTE: .0450 MHz FROM RECEIVED FREQUENCY CH15-N 477.2400 NOTE: .0450 MHz FROM RECEIVED FREQUENCY CH15-N 477.2400 NOTE: .0050 MHz FROM RECEIVED FREQUENCY CH09 R 191.7500 NOTE: .0300 MHz FROM RECEIVED FREQUENCY CH09 R 191.7500 NOTE: .0300 MHz FROM RECEIVED FREQUENCY CH09 R 191.7500 NOTE: .0250 MHz FROM RECEIVED FREQUENCY RC013 NOTE: .0250 MHz FROM RECEIVED FREQUENCY CH08+R 181.2600 NOTE: .0250 MHz FROM RECEIVED FREQUENCY CH08+R 185.7600 NOTE: .0250 MHz FROM RECEIVED FREQUENCY RC013 NOTE: .0250 MHz FROM RECEIVED FREQUENCY CH08+R 185.7600 NOTE: .0250 MHz FROM RECEIVED FREQUENCY RC022 469.8500 NOTE: .0250 MHz FROM RECEIVED FREQUENCY RC024 164.1250 NOTE: .0250 MHz FROM RECEIVED FREQUENCY RC054 164.1250 NOTE: .0250 MHz FROM RECEIVED FREQUENCY RC054 164.1250 NOTE: .0250 MHz FROM RECEIVED FREQUENCY RC010 155.9700 155.9700 NOTE: .0250 MHz FROM RECEIVED FREQUENCY RC010 155.9700 155.9700 NOTE: .0250 MHz FROM RECEIVED FREQUENCY CH09 H 191.7500 NOTE: .0260 MHz FROM RECEIVED FREQUENCY CH09 H 191.7500 NOTE: .0260 MHz FROM RECEIVED FREQUENCY CH09 H 191.7500 NOTE: .0260 MHz FROM RECEIVED FREQUENCY CH09 H 191.7500 NOTE: .0260 MHz FROM RECEIVED FREQUENCY CH09 H 191.7500 NOTE: .0260 MHz FROM RECEIVED FREQUENCY CH09 H 191.7500 NOTE: .0260 MHz FROM RECEIVED FREQUENCY CH09 H 191.7500 NOTE: .0260 MHz FROM RECEIVED FREQUENCY CH09 H 191.7500 NOTE: .0260 MHz FROM RECEIVED FREQUENCY CH09 H 191.7500 NOTE: .0260 MHz FROM RECEIVED FREQUENCY CH09 H 191.7500 NOTE: .0260 MHz FROM RECEIVED FREQUENCY CH09 H 191.7500 NOTE:			NOTE	: 0100	MU- FROM	721	156. 1500)	20	417.	2750)
NOTE: .0100 MHz FROM RECEIVED FREQUENCY RC013 156.0450 NOTE: .0095 MHz FROM RECEIVED FREQUENCY CH12-C 208.8195 NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH12-C 208.8195 NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH12-C 209.7400 NOTE: .0450 MHz FROM RECEIVED FREQUENCY CH12-C 209.7400 NOTE: .0450 MHz FROM RECEIVED FREQUENCY CH12-C 209.7400 NOTE: .0450 MHz FROM RECEIVED FREQUENCY CH15-V 477.2400 NOTE: .050 MHz FROM RECEIVED FREQUENCY CH15-V 477.2400 NOTE: .0300 MHz FROM RECEIVED FREQUENCY CH09 NOTE: .0300 MHz FROM RECEIVED FREQUENCY CH09 NOTE: .0300 MHz FROM RECEIVED FREQUENCY CH09 NOTE: .0250 MHz FROM RECEIVED FREQUENCY CH098+V 181.2600 NOTE: .0300 MHz FROM RECEIVED FREQUENCY CH08+C 185.7500 NOTE: .0250 MHz FROM RECEIVED FREQUENCY CH08+C 185.7500 NOTE: .0300 MHz FROM RECEIVED FREQUENCY CH03+C 164.1250 NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH03+C 164.1250 NOTE: .0300 MHz FROM RECEIVED FREQUENCY CH03+C 164.1250 NOTE: .0		156	. 0550	5(	94 7000	KECETAED	FREQUENCY	RCØ47		48. 7400
NOTE: .0095 MHZ FROM RECEIVED FREQUENCY CH12—C 208.8195 NOTE: .0200 MHZ FROM RECEIVED FREQUENCY CH12—A 209.7400 17.2850 -1( 94.7000) 1( 158.3100) 1( 413.6750) NOTE: .0450 MHZ FROM RECEIVED FREQUENCY CH15—V 477.2400 NOTE: .0050 MHZ FROM RECEIVED FREQUENCY CH15—V 477.2400 NOTE: .0050 MHZ FROM RECEIVED FREQUENCY CH09 A 191.7500 181.2300 -2( 94.7000) -2( 158.3100) 1( 687.2500) NOTE: .0300 MHZ FROM RECEIVED FREQUENCY CH09 A 191.7500 NOTE: .0300 MHZ FROM RECEIVED FREQUENCY CH09 A 191.7500 NOTE: .0250 MHZ FROM RECEIVED FREQUENCY CH09 A 191.7500) NOTE: .0250 MHZ FROM RECEIVED FREQUENCY CH08+V 181.2600 NOTE: .0300 MHZ FROM RECEIVED FREQUENCY CH08+A 185.7600 NOTE: .0300 MHZ FROM RECEIVED FREQUENCY CH08+B 185.7600 NOTE: .0300 MHZ FROM RECEIVED FREQUENCY CH08+B 185.7600 NOTE: .0350 MHZ FROM RECEIVED FREQUENCY RC054 NOTE: .0350 MHZ FROM RECEIVED FREQUENCY RC054 NOTE: .0350 MHZ FROM RECEIVED FREQUENCY RC054 NOTE: .0350 MHZ FROM RECEIVED FREQUENCY CH03+V 164.1250 NOTE: .0300 MHZ FROM RECEIVED FREQUENCY CH03+V 51.2600 NOTE: .0300 MHZ FROM RECEIVED FREQUENCY CH09 A 191.7500 NOTE: .0300 MHZ FROM RECEIVED FREQUENCY CH09 A 191.7500 NOTE: .0400 MHZ FROM RECEIVED FREQUENCY CH09 A 191.7500 NOTE: .0400 MHZ FROM RECEIVED FREQUENCY RC019			NOTE	: 0100	MH = EDOM	DECETUE.	158. 3100)	-1(	159.	1350)
NOTE: .0095 MHz FROM RECEIVED FREQUENCY CH12-C 209.7599 4( 94.7000) 1( 158.3100) -2( 163.6750)   NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH12-A 209.7400   477.2850 -1( 94.7000) 1( 158.3100) 1( 413.6750)   NOTE: .0450 MHz FROM RECEIVED FREQUENCY CH15-V 477.2400   191.7550 1( 94.7000) -2( 158.3100) 1( 413.6750)   NOTE: .0050 MHz FROM RECEIVED FREQUENCY CH09 A 191.7500   NOTE: .0300 MHz FROM RECEIVED FREQUENCY CH09 A 191.7500   NOTE: .0300 MHz FROM RECEIVED FREQUENCY CH09 A 191.7500   156.0700 -9( 94.7000) 2( 158.3100) 1( 691.7500)   157.000 MHz FROM RECEIVED FREQUENCY CH09 A 181.2600   158.7300 -2( 94.7000) -2( 158.3100) 1( 691.7500)   158.7300 -2( 94.7000) -2( 158.3100) 1( 691.7500)   159.7300 MHz FROM RECEIVED FREQUENCY CH08+A 185.7600   164.1600 8( 94.7000) -2( 158.3100) 1( 691.7500)   164.1600 8( 94.7000) 1( 158.3100) 1( 787.7500)   165.9400 -6( 94.7000) -1( 158.3100) 1( 787.7500)   167.7500)   169.7500   169.7500   169.7500   169.7500   169.7500)   169.7500   169.7500)    169.7500)   169.7500)    169.7500)    169.7500)    169.7500)		208	. 8100	4(	94 7000	KECETAED	FREQUENCY	RC013		156. 0450
NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH12-A 209.7400 477.2850 -1( 94.7000) 1( 158.3100) 1( 413.6750) NOTE: .0450 MHz FROM RECEIVED FREQUENCY CH15-V 477.2400 191.7550 1( 94.7000) -2( 158.3100) 1( 413.6750) NOTE: .0050 MHz FROM RECEIVED FREQUENCY CH09 A 191.7500 181.2300 -2( 94.7000) -2( 158.3100) 1( 687.2500) NOTE: .0300 MHz FROM RECEIVED FREQUENCY CH08+V 181.2600 NOTE: .0250 MHz FROM RECEIVED FREQUENCY CC013 185.7300 -2( 94.7000) -2( 158.3100) 1( 691.7500) NOTE: .0300 MHz FROM RECEIVED FREQUENCY CC013 156.0450 NOTE: .0300 MHz FROM RECEIVED FREQUENCY CH08+A 185.7600 NOTE: .0300 MHz FROM RECEIVED FREQUENCY CH08+A 185.7600 NOTE: .0300 MHz FROM RECEIVED FREQUENCY CC013 164.1600 8( 94.7000) -2( 158.3100) 1( 691.7500) NOTE: .0350 MHz FROM RECEIVED FREQUENCY RC022 469.8500 NOTE: .0350 MHz FROM RECEIVED FREQUENCY RC054 164.1250 NOTE: .0350 MHz FROM RECEIVED FREQUENCY CC054 164.1250 NOTE: .0300 MHz FROM RECEIVED FREQUENCY CC054 165.2600 191.7700 7( 94.7000) -1( 158.3100) 1( 787.7500) NOTE: .0300 MHz FROM RECEIVED FREQUENCY CC010 155.9700 469.3600 -6( 94.7000) 1( 158.3100) -1( 787.7500) NOTE: .0400 MHz FROM RECEIVED FREQUENCY CC019 191.7500			NOTE	: 0095	MH- EDOM	1(	158. 3100)	-54	164.	1500)
NOTE: 0200 MHz FROM RECEIVED FREQUENCY CH12-A 209.7400 477.2850 -1( 94.7000) 1( 158.3100) 1( 413.6750) 191.7550 1( 94.7000) -2( 158.3100) 1( 413.6750) 191.7550 1( 94.7000) -2( 158.3100) 1( 413.6750) 181.2300 -2( 94.7000) -2( 158.3100) 1( 413.6750) 181.2300 -2( 94.7000) -2( 158.3100) 1( 687.2500) 181.2300 -2( 94.7000) -2( 158.3100) 1( 691.7500) 185.7300 -9( 94.7000) 2( 158.3100) 1( 691.7500) 185.7300 -2( 94.7000) -2( 158.3100) 1( 691.7500) 185.7300 -2( 94.7000) -2( 158.3100) 1( 691.7500) 185.7300 -2( 94.7000) -2( 158.3100) 1( 691.7500) 186.8300 1( 94.7000) -2( 158.3100) 1( 691.7500) 186.1600 8( 94.7000) -2( 158.3100) 1( 691.7500) 186.1600 8( 94.7000) -2( 158.3100) 1( 691.7500) 186.1600 8( 94.7000) -2( 158.3100) 1( 691.7500) 186.1600 8( 94.7000) 1( 158.3100) -1( 751.7501) 187.7501 1( 158.3100) 1( 787.7500) 189.7700 7( 94.7000) -1( 158.3100) 1( 787.7500) 189.7700 7( 94.7000) 2( 158.3100) 1( 787.7500) 189.7700 7( 94.7000) 2( 158.3100) 1( 787.7500) 189.7700 7( 94.7000) 2( 158.3100) 1( 787.7500) 189.7700 7( 94.7000) 2( 158.3100) -1( 787.7500) 189.7800 -6( 94.7000) 1( 158.3100) -1( 787.7500) 189.7800 -6( 94.7000) 1( 158.3100) 1( 787.7500) 189.7800 -6( 94.7000) 1( 158.3100) 1( 787.7500) 189.7800 -6( 94.7000) 1( 158.3100) 1( 787.7500) 189.7800 -6( 94.7000) 1( 158.3100) 1( 787.7500) 189.7800 -6( 94.7000) 1( 158.3100) 1( 787.7500) 189.7800 -6( 94.7000) 1( 158.3100) 1( 787.7500) 189.7800 -6( 94.7000) 1( 158.3100) 1( 787.7500) 189.7800 -6( 94.7000) 1( 158.3100) 1( 787.7500) 189.7800 -6( 94.7000) 1( 158.3100) 1( 787.7500) 189.7800 -6( 94.7000) 1( 158.3100) 1( 787.7500) 189.7800 -6( 94.7000) 1( 158.3100) 1( 189.2501)		209	. 7599	4(	94 7000	MECETAED	FREQUENCY	CH12-C		208. 8195
NOTE: .0450 MHz FROM RECEIVED FREQUENCY CH15-V 191.7550 1( 94.7000) -2( 158.3100) 1( 413.6750) 181.2300 -2( 94.7000) -2( 158.3100) 1( 687.2500) 181.2300 -2( 94.7000) -2( 158.3100) 1( 687.2500) 181.2300 -2( 94.7000) -2( 158.3100) 1( 687.2500) 181.2300 -9( 94.7000) 2( 158.3100) 1( 691.7500) 185.0700 -9( 94.7000) 2( 158.3100) 1( 691.7500) 185.7300 -2( 94.7000) -2( 158.3100) 1( 691.7500) 185.7300 -2( 94.7000) -2( 158.3100) 1( 691.7500) 185.7300 -2( 94.7000) -2( 158.3100) 1( 691.7500) 185.7300 -2( 94.7000) -2( 158.3100) 1( 691.7500) 185.7300 -2( 94.7000) -2( 158.3100) 1( 691.7500) 185.7300 -2( 94.7000) -2( 158.3100) 1( 691.7500) 185.7300 -2( 94.7000) -2( 158.3100) 1( 691.7500) 186.0450 187.7500) 187.7500 MHz FROM RECEIVED FREQUENCY CH08+H 185.7600 187.7500) 187.7500 MHz FROM RECEIVED FREQUENCY RC022 469.3500 189.7500 MHz FROM RECEIVED FREQUENCY RC054 164.1250 189.7500 MHz FROM RECEIVED FREQUENCY CH03+V 61.2600 189.7500 MHz FROM RECEIVED FREQUENCY CH03+V 61.2600 189.7500 MHz FROM RECEIVED FREQUENCY CH03+V 61.2600 189.7500 MHz FROM RECEIVED FREQUENCY CH09 MIzer Constant of the			NOTE	: ครดด	MH- EDOM	2(	158. 3100)	-2(	163.	6750)
191. 7550 1 ( 94. 7000)		477	. 2850	-1(	94 7999	RECEIVED	FREQUENCY	CH12-A		209. 7400
NOTE: .0050 MHz FROM RECEIVED FREQUENCY CH09 A 191.7500  181.2300 -2( 94.7000) -2( 158.3100) 1( 687.2500)  NOTE: .0300 MHz FROM RECEIVED FREQUENCY CH08+V  156.0700 -9( 94.7000) 2( 158.3100) 1( 691.7500)  NOTE: .0250 MHz FROM RECEIVED FREQUENCY CH08+V  185.7300 -2( 94.7000) -2( 158.3100) 1( 691.7500)  NOTE: .0300 MHz FROM RECEIVED FREQUENCY CH08+A  469.8300 1( 94.7000) -2( 158.3100) 1( 691.7500)  NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH08+A  NOTE: .0350 MHz FROM RECEIVED FREQUENCY RC022 469.8500  164.1600 8( 94.7000) 1( 158.3100) -1( 751.7501)  NOTE: .0350 MHz FROM RECEIVED FREQUENCY RC054 164.1250  NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH03+V  NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH03+V  155.9400 -5( 94.7000) -1( 158.3100) 1( 787.7500)  NOTE: .0300 MHz FROM RECEIVED FREQUENCY RC010 155.9700  191.7700 7( 94.7000) 2( 158.3100) -1( 787.7500)  NOTE: .0200 MHz FROM RECEIVED FREQUENCY RC010 155.9700  469.3600 -6( 94.7000) 1( 158.3100) 1( 787.7500)  NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH09 A 191.7500  NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH09 A 191.7500  NOTE: .0400 MHz FROM RECEIVED FREQUENCY RC019 469.4000			NOTE	9450	MH- FROM	7(	158. 3100)	1(	413.	6750)
181. 2300 -2( 94. 7000) -2( 158. 3100) 1( 687. 2500)  NOTE: .0300 MHZ FROM RECEIVED FREQUENCY CH08+V  156. 0700 -9( 94. 7000) 2( 158. 3100) 1( 691. 7500)  NOTE: .0250 MHZ FROM RECEIVED FREQUENCY RC013 156. 0450  185. 7300 -2( 94. 7000) -2( 158. 3100) 1( 691. 7500)  NOTE: .0300 MHZ FROM RECEIVED FREQUENCY CH08+A 185. 7600  NOTE: .0300 MHZ FROM RECEIVED FREQUENCY CH08+A 185. 7600  NOTE: .0200 MHZ FROM RECEIVED FREQUENCY RC022 469. 8500  164. 1600 8( 94. 7000) 1( 158. 3100) -1( 751. 7501)  NOTE: .0350 MHZ FROM RECEIVED FREQUENCY RC054 164. 1250  NOTE: .0200 MHZ FROM RECEIVED FREQUENCY CH03+V  155. 9400 -5( 94. 7000) -1( 158. 3100) 1( 787. 7500)  NOTE: .0300 MHZ FROM RECEIVED FREQUENCY CH03+V  151. 7700 7( 94. 7000) 2( 158. 3100) 1( 787. 7500)  NOTE: .0200 MHZ FROM RECEIVED FREQUENCY RC010 155. 9700  NOTE: .0200 MHZ FROM RECEIVED FREQUENCY RC010 155. 9700  NOTE: .0200 MHZ FROM RECEIVED FREQUENCY RC010 155. 9700  NOTE: .0200 MHZ FROM RECEIVED FREQUENCY CH09 A 191. 7500  NOTE: .0200 MHZ FROM RECEIVED FREQUENCY CH09 A 191. 7500  NOTE: .0200 MHZ FROM RECEIVED FREQUENCY CH09 A 191. 7500  NOTE: .0400 MHZ FROM RECEIVED FREQUENCY RC019 469. 469. 4000		191	7550	1(	94 70001	KECETAED	FREQUENCY	CH15-V		477. 2400
NOTE: .0300 MHz FROM RECEIVED FREQUENCY CH08+V  156.0700 -9( 94.7000) 2( 158.3100) 1( 691.7500)  NOTE: .0250 MHz FROM RECEIVED FREQUENCY RC013 156.0450  185.7300 -2( 94.7000) -2( 158.3100) 1( 691.7500)  NOTE: .0300 MHz FROM RECEIVED FREQUENCY CH08+H  469.8300 1( 94.7000) -2( 158.3100) 1( 691.7500)  NOTE: .0200 MHz FROM RECEIVED FREQUENCY RC022 469.8500  164.1600 8( 94.7000) 1( 158.3100) -1( 751.7501)  NOTE: .0350 MHz FROM RECEIVED FREQUENCY RC022 469.8500  155.9400 -6( 94.7000) -1( 158.3100) 1( 787.7500)  NOTE: .0300 MHz FROM RECEIVED FREQUENCY CH03+V  NOTE: .0300 MHz FROM RECEIVED FREQUENCY RC010 155.9700  NOTE: .0300 MHz FROM RECEIVED FREQUENCY RC010 155.9700  NOTE: .0300 MHz FROM RECEIVED FREQUENCY RC010 155.9700  NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH09 R 191.7500  NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH09 R 191.7500  NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH09 R 191.7500  NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH09 R 191.7500  NOTE: .0400 MHz FROM RECEIVED FREQUENCY CH09 R 191.7500			NOTE:	9959	MH- FROM	76(	158. 3100)	1(	413.	
156. 0700 -9( 94.7000) 2( 158.3100) 1( 691.7500)  NOTE: .0250 MHz FROM RECEIVED FREQUENCY RC013 156.0450  185. 7300 -2( 94.7000) -2( 158.3100) 1( 691.7500)  NOTE: .0300 MHz FROM RECEIVED FREQUENCY CH08+A 185.7600  NOTE: .0300 MHz FROM RECEIVED FREQUENCY CH08+A 185.7600  NOTE: .0200 MHz FROM RECEIVED FREQUENCY RC022 469.8500  164. 1600 8( 94.7000) 1( 158.3100) -1( 751.7501)  NOTE: .0350 MHz FROM RECEIVED FREQUENCY RC054 164.1250  NOTE: .0350 MHz FROM RECEIVED FREQUENCY RC054 164.1250  NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH03+V 61.2600  NOTE: .0300 MHz FROM RECEIVED FREQUENCY CH03+V 61.2600  191. 7700 7( 94.7000) 2( 158.3100) 1( 787.7500)  NOTE: .0200 MHz FROM RECEIVED FREQUENCY RC010 155.9700  NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH09 A 191.7500  NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH09 A 191.7500  NOTE: .0400 MHz FROM RECEIVED FREQUENCY CH09 A 191.7500  NOTE: .0400 MHz FROM RECEIVED FREQUENCY CH09 A 191.7500  NOTE: .0400 MHz FROM RECEIVED FREQUENCY CH09 A 191.7500		181.	2300	-20	94 70001	KECETAED	FREQUENCY	CHØ9 A		191. 7500
NOTE: .0250 MHz FROM RECEIVED FREQUENCY RC013 156.0450  185.7300 -2( 94.7000) -2( 158.3100) 1( 691.7500)  NOTE: .0300 MHz FROM RECEIVED FREQUENCY CH08+A 185.7600  469.8300 1( 94.7000) -2( 158.3100) 1( 691.7500)  NOTE: .0200 MHz FROM RECEIVED FREQUENCY RC022 469.8500  164.1600 8( 94.7000) 1( 158.3100) -1( 751.7501)  NOTE: .0350 MHz FROM RECEIVED FREQUENCY RC054 164.1250  NOTE: .0200 MHz FROM RECEIVED FREQUENCY RC054 164.1250  NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH03+V 61.2600  NOTE: .0300 MHz FROM RECEIVED FREQUENCY CH03+V 61.2600  NOTE: .0300 MHz FROM RECEIVED FREQUENCY RC010 155.9700  NOTE: .0200 MHz FROM RECEIVED FREQUENCY RC010 155.9700  NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH09 A 191.7500  NOTE: .0400 MHz FROM RECEIVED FREQUENCY CH09 A 191.7500  NOTE: .0400 MHz FROM RECEIVED FREQUENCY CH09 A 191.7500  NOTE: .0400 MHz FROM RECEIVED FREQUENCY RC019 469.4000			NOTE:	ัดสดด	MH- FROM	72(	L58. 3100)	1(	687.	2500)
NOTE: .0250 MHz FROM RECEIVED FREQUENCY RC013 156.0450  185.7300 -2( 94.7000) -2( 158.3100) 1( 691.7500)  NOTE: .0300 MHz FROM RECEIVED FREQUENCY CH08+A 185.7600  469.8300 1( 94.7000) -2( 158.3100) 1( 691.7500)  NOTE: .0200 MHz FROM RECEIVED FREQUENCY RC022 469.8500  164.1600 8( 94.7000) 1( 158.3100) -1( 751.7501)  NOTE: .0350 MHz FROM RECEIVED FREQUENCY RC054 164.1250  NOTE: .0350 MHz FROM RECEIVED FREQUENCY RC054 164.1250  NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH03+V 61.2600  NOTE: .0300 MHz FROM RECEIVED FREQUENCY RC010 155.9700  NOTE: .0300 MHz FROM RECEIVED FREQUENCY RC010 155.9700  NOTE: .0200 MHz FROM RECEIVED FREQUENCY RC010 155.9700  NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH09 A 191.7500  NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH09 A 191.7500  NOTE: .0400 MHz FROM RECEIVED FREQUENCY RC019 469.4000		156.	9799	-9(	94 7000	KECETAED	FREQUENCY	CHØ8+V		181. 2699
NOTE: .0300 MHz FROM RECEIVED FREQUENCY CH08+A 185.7600 469.8300 1( 94.7000) -2( 158.3100) 1( 691.7500) NOTE: .0200 MHz FROM RECEIVED FREQUENCY RC022 469.8500 NOTE: .0350 MHz FROM RECEIVED FREQUENCY RC022 469.8500 NOTE: .0350 MHz FROM RECEIVED FREQUENCY RC054 164.1250 NOTE: .0200 MHz FROM RECEIVED FREQUENCY RC054 164.1250 NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH03+V 61.2600 NOTE: .0300 MHz FROM RECEIVED FREQUENCY RC010 155.9700 NOTE: .0200 MHz FROM RECEIVED FREQUENCY RC010 155.9700 NOTE: .0200 MHz FROM RECEIVED FREQUENCY RC010 155.9700 NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH09 A 191.7500 NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH09 A 191.7500 NOTE: .0400 MHz FROM RECEIVED FREQUENCY CH09 A 191.7500 NOTE: .0400 MHz FROM RECEIVED FREQUENCY RC019 469.4000			NOTE:	ดอรด	MH- EDDM	25 DECETURE	L58. 3100)	1(		
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NOTE: .0200 MHz FROM RECEIVED FREQUENCY RC022 469.8500 164.1600 8( 94.7000) 1( 158.3100) -1( 751.7501) NOTE: .0350 MHz FROM RECEIVED FREQUENCY RC054 164.1250 161.2400 -6( 94.7000) -1( 158.3100) 1( 787.7500) NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH03+V 61.2600 NOTE: .0300 MHz FROM RECEIVED FREQUENCY CH03+V 61.2600 NOTE: .0300 MHz FROM RECEIVED FREQUENCY RC010 155.9700 191.7700 7( 94.7000) 2( 158.3100) -1( 787.7500) NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH09 R 191.7500 NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH09 R 191.7500 NOTE: .0400 MHz FROM RECEIVED FREQUENCY CH09 R 191.7500				- 1	AT. CEIRING	- e' [ 4	50 7400 h			
NOTE: .0200 MHz FROM RECEIVED FREQUENCY RC022 469.8500 164.1600 8( 94.7000) 1( 158.3100) -1( 751.7501) NOTE: .0350 MHz FROM RECEIVED FREQUENCY RC054 164.1250 164.1000 -6( 94.7000) -1( 158.3100) 1( 787.7500) NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH03+V 61.2600 NOTE: .0300 MHz FROM RECEIVED FREQUENCY CH03+V 61.2600 NOTE: .0300 MHz FROM RECEIVED FREQUENCY RC010 155.9700 191.7700 7( 94.7000) 2( 158.3100) -1( 787.7500) NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH09 R 191.7500 NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH09 R 191.7500 NOTE: .0400 MHz FROM RECEIVED FREQUENCY CH09 R 191.7500		469.	8300	1(	94 7000	KECETAED	FREQUENCY	CH08+A		185. 7600
164. 1600 8( 94.7000) 1( 158.3100) -1( 751.7501)  NOTE: .0350 MHz FROM RECEIVED FREQUENCY RC054 164.1250  161. 2400 -6( 94.7000) -1( 158.3100) 1( 787.7500)  NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH03+V 61.2600  NOTE: .0300 MHz FROM RECEIVED FREQUENCY RC010 155.9700  191. 7700 7( 94.7000) 2( 158.3100) -1( 787.7500)  NOTE: .0200 MHz FROM RECEIVED FREQUENCY RC010 155.9700  NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH09 R 191.7500  NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH09 R 191.7500  NOTE: .0400 MHz FROM RECEIVED FREQUENCY RC019 469.4000			NOTE:	ัดอุดด	MU- EDOM	-2( 1	.58. 3100)	14		
NOTE: .0350 MHz FROM RECEIVED FREQUENCY RC054 164.1250 61.2400 -6( 94.7000) -1( 158.3100) 1( 787.7500)  NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH03+V 61.2600 155.9400 -5( 94.7000) -1( 158.3100) 1( 787.7500)  NOTE: .0300 MHz FROM RECEIVED FREQUENCY RC010 155.9700 191.7700 7( 94.7000) 2( 158.3100) -1( 787.7500)  NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH09 A 191.7500 469.3600 -6( 94.7000) 1( 158.3100) 1( 879.2501) NOTE: .0400 MHz FROM RECEIVED FREQUENCY RC019 469.4000		164.	1600	. 02.00	THE EKUIT	KECETAED	FREQUENCY	RCB22		469. 8500
61. 2400 -6( 94. 7000) -1( 158. 3100) 1( 787. 7500)  NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH03+V 61. 2600  155. 9400 -5( 94. 7000) -1( 158. 3100) 1( 787. 7500)  NOTE: .0300 MHz FROM RECEIVED FREQUENCY RC010 155. 9700  191. 7700 7( 94. 7000) 2( 158. 3100) -1( 787. 7500)  NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH09 R 191. 7500  469. 3600 -6( 94. 7000) 1( 158. 3100) 1( 879. 2501)  NOTE: .0400 MHz FROM RECEIVED FREQUENCY RC019 469. 469. 4000									751.	7501)
NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH03+V 61.2600 155.9400 -5( 94.7000) -1( 158.3100) 1( 787.7500) NOTE: .0300 MHz FROM RECEIVED FREQUENCY RC010 155.9700 191.7700 7( 94.7000) 2( 158.3100) -1( 787.7500) NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH09 R 191.7500 469.3600 -6( 94.7000) 1( 158.3100) 1( 879.2501) NOTE: .0400 MHz FROM RECEIVED FREQUENCY RC019 469.4000		61.	2400	-61	PA TORON					
155.9400 -5( 94.7000) -1( 158.3100) 1( 787.7500)  NOTE: .0300 MHz FROM RECEIVED FREQUENCY RC010 155.9700  191.7700 7( 94.7000) 2( 158.3100) -1( 787.7500)  NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH09 R 191.7500  469.3600 -6( 94.7000) 1( 158.3100) 1( 879.2501)  NOTE: .0400 MHz FROM RECEIVED FREQUENCY RC019 469.4000				· — ·	29 (VIVIVI)	-7 ( A	EO 3400.			
NOTE: .0300 MHz FROM RECEIVED FREQUENCY RC010 155.9700  191.7700 7( 94.7000) 2( 158.3100) -1( 787.7500)  NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH09 A 191.7500  469.3600 -6( 94.7000) 1( 158.3100) 1( 879.2501)  NOTE: .0400 MHz FROM RECEIVED FREQUENCY RC019 469.4000										
191.7700 7( 94.7000) 2( 158.3100) -1( 787.7500)  NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH09 A 191.7500  469.3600 -6( 94.7000) 1( 158.3100) 1( 879.2501)  NOTE: .0400 MHz FROM RECEIVED FREQUENCY RC019 469.4000	21 110		NOTE.	6700	74. (UUU)	-1< 1	58. 3100)	1(	787.	7500)
NOTE: .0200 MHz FROM RECEIVED FREQUENCY CH09 R 191.7500 469.3600 -6( 94.7000) 1( 158.3100) 1( 879.2501) NOTE: .0400 MHz FROM RECEIVED FREQUENCY RC019 469 4000						KECETAED	<b>FKEMOENCA</b>	RC010		155 9700
469.3600 -6( 94.7000) 1( 158.3100) 1( 879.2501)  NOTE: .0400 MHz FROM RECEIVED FREQUENCY RC019 469 4000										7500)
NOTE: . 0400 MHz FROM RECEIVED FREQUENCY RC019 469 4000		469	ZEDD.	. 0200	MHZ FROM					
										2501)
					THE CAUT I	KECETAED	<b>LKEMOENCA</b>	RC019	4	

	FREQ (	(MHz)	COMP	ONENTS				
		5300		94. 7000	) 1(	158. 31991	-21	48. 7400)
		NOTE	. 005	0 MHz FRO	M RECEIVE	D FREQUENCY	PCM11	46. (400)
		5400						
	516	8100		4 11112 (KU)	U KECETAE	D FREQUENCY	RC055	400 5750
	45	2300	-5( -5(	o MHZ FRO	1 RECEIVE	D FREGUENCY	CHO4 (	544 555
			~ `	79 ( VIVIVI		480		
	739.	7200	16	94. 7000:	A KECEIAE	D FREQUENCY	RC004	45 2020
	211.	2300	2000	94 7999	KECETAE!	D FREQUENCY	CH58 P	739. 7500
				MHT FROM	, TEK 1 DECETUE	158.3100) D FREQUENCY	20	169. 2250)
	196.	7850	-4(	94. 7999;	. WEDSTAR!	D FREQUENCY	CH13 V	211. 2500
		NOTE:	. 0345	MHT FROM	PECETUCI	158. 3100) FREQUENCY	1(	417, 2750)
	172. :	1201	-5(	94. 7000)	. WESTIVE	150 1750	CH10-C	196. 8195
		NOTE:	. 0300	MHz FRINM	PECETUE	- EDEGUENOU		163. 6750)
	1	YOTE:	. 0205	MHZ FROM	RECETVE	FREQUENCY	-1(	163.6750)
				29. ( PIVIVI I	-7 (	450 4984		
		HOTE:	. 0250	MHZ FROM	RECEIVED	FREQUENCY	רבו	163. 6750)
			~ \	7 4 / VIVIOI I	-1/	450 4500		
	N	IOTE:	. 0496	MHZ FROM	RECEIVED	PREDIENCY	CHBOTC -T/	
			91	<b>74.</b> (888)	20	150 1750		
	. N	IOTE:	. 0100	MHZ FROM	RECEIVED	FREGUENCY	PCGG4	
	1	220	7 \	94 /MMM)	11	460 4550		
	457.0	WIE:	. 0050	MHz FROM	RECEIVED	FREQUENCY	CH05-A	81. 7400
			01	<b>74.</b> (MMM)	1 (	450 4750		751, 7501)
	1.C.4. C	OTE:	. 0050	MHz FROM	RECEIVED	FREQUENCY	RC012	153. 2900
	-01. 5	.000	Q \	<b>34.</b> (ИИИ)	1 (	450 4300		
	196 7	DEC	. 0475	MHz FROM	PECETUEN	CDCOMENT	RC014	164, 9375
		2.20	-01	<b>34.</b> (ИИИ)	1 (	150 4750	4 4	
	200 7	DIE:	. 0345	MHZ FROM	RECETUEN	FREQUENCY	CH10-C	196. 8195
	,	.2.00	-01	74 / ///////	4 /	450 4550		807. 2501)
	80 8	700	. 0345	MHZ FROM	RECEIVED	FREQUENCY	CH12-C	208 8195
		~~~	U \	74. (BUN)	-20	150 1750		
	516 8	354	. 0105	PHZ FROM				
			<u>- '</u>	<b>24.</b> (PDDD)	1 (	150 4750		
	517. 7		. 2000		RELETABLE	EBEDHENCH	CHOA	
			- ·	24. (NNN)	3 (	180 ATES		
	208. 7	850	4(	OA ZODAN	KEUEIVED	FREQUENCY	CH21 A	
	N	OTE:	0345	MHT FROM	DECETUE:	159. 1350)	-5(	
			- '	JT. CEIRINI I	7 (	150 4760		
-					VECETAED.	PREGUENCY	CH15-A	417. 2750) 481. 7401

1	- 8								
	.96	S. 8500	-60	94 7000					
		NOTE	. 0.70	74. (888) 5 MHz 580	/ -1(	164. 1500)	2(	464	4. 6000)
		5. 5000	-50	94 7000	I WEDSTAFF	Y PREGUENC	Y CH10-0		196. 8195
		NOTE		A WH- EDU	, I(	164. 1500) FREQUENCY	1(	464	1. 8499)
1	.78	2. 8000	50	94. 7000:	WECETAED	FREQUENC	Y RC011		155. 5350
		NOTE	025	A WHA EDDA	1(	164. 1500) FREQUENCY	-1(	464	. 8499)
4	08	3. 5999	-80	94. 7000)	. KECETAED	PREQUENCY	7 RC051		172. 7750
		NOTE	025	MHT EPON	PECETUES	164.1500) FREQUENCY	24	747	'. 2500)
1	58	3000	-80	94 7000	1 (	PREQUENCY	RC055		408. 5750
		NOTE		MH- FDOM	L DECETUES	164. 1500) FREQUENCY	1<	751	. 7501)
2	98	. 8000	-4(	94 7000	KECETAED	PREQUENCY	' RC008		158. 2800
		NOTE		NHT FROM	-1(   PECETHER	164. 1500) FREQUENCY	10	751	. 7501)
7	35	. 3000	-3(	94. 7000)	MEDETAED	PREGUENCY	, CH15-C		208. 8195
		NOTE		MH7 EDIN	PECETUES.	164. 1500)	1(	, 855	. 2500)
7	39	. 8000	-3(	94 2000	いこうこすんちい	- 世界中は日日が行り	CHEO II		735. 2500
		NOTE		MH- EDOM		164. 1500)			. 7500)
1	72	. 1500	-4(	94 7000	MECETAED	FREQUENCY	CH58 A		739. 7500
7.5		NOTE		MH- EDOM	PECETUES.	FREQUENCY 164.1500) FREQUENCY 164.1500)	14	879	. 2501)
		NOTE	คอดร	MH- FROM	PECETUEN	FREQUENCY 164. 1500) FREQUENCY	-1(	48	7400)
	64.	8000	6(	94 7000	MECETAED.	PREQUENCY	CH08+C		184. 8395
		NOTE:	. 0395	MHT FROM	-11	164. 1500) FREQUENCY	-54	169	6250)
10	54.	9749	7<	1 11 1 mm 1 1/2/2011	レビニアエルドロ		CHAZLO		
		NOTE:	. 0374	MHT EDOM	PECETUEN	164. 1500) FREQUENCY	-1<	169	6250)
18	35.	8000	9(	94 7000	MECETAED.	FREQUENCY 164.1500)	RC014		
		NOTE:	. 0400	MHT EDOM	PECETUEN	164. 1500) FREQUENCY	-5(	169.	1000)
19	97.	7999	-5(	94 7000	KECETAED.	PREQUENCY	CHØ8+A		185. 7600
		NOTE:	. 0400	MHT FROM	PECETUEN 3	L64. 1500) FREQUENCY	2(	417.	6750)
51	.7.	7500	20	94. 7000)	KECETAED	FREQUENCY	CH10-A		197. 7400
		NOTE:	. 9099	MHT FROM	PECETUCA 3	L64. 1500)	1<	164.	2000)
4	8.	3500	-3(	94 7888	KECETAED	FREQUENCY 164. 1500)	CH21 A		517, 7500
		NOTE:	. 0300	MHT FROM	PECETUEN 1	FREQUENCY	1(	168.	3000)
19	7.	7000	20	94 70001	MEDETAED	- KEDNENCA	RC001		48. 3800
		NOTE:	. 0400	MH+ FROM	PERETUEN	.64. 1500)	20	168.	3000)
46			5(	94 7000	MECETAED	FREQUENCY	CH10-A		197. 7400
			. 0500	MHT EDOM	DECETVES 1	.64. 1500)	-1(		3000)
19	3.	2500	-5(	94 7888	VENETAED.	FREQUENCY	RC019		469. 4000
									2250)
		NOTE:	0250	MHT EDOM	76( 1	64. 1500)	10	467.	2750)
			~ \	ו זענענע איר דיי	A	C 4 4 8 8 8 8 8 8 8			5750)
						FREQUENCY FREQUENCY			9500)

```
FREQ (MHz)
          COMPONENTS
           3(
  197. 7751
                 94. 7000) 2( 163. 6750) -1( 413. 6750)
     NOTE: . 0351 MHz FROM RECEIVED FREQUENCY CH10-A
  162. 9000 7(
                94. 7000) 2( 163. 6750) -2(
                                                   197. 7400
     NOTE: . 0250 MHz FROM RECEIVED FREQUENCY RC015
                                                 413. 6750)
 172. 7751 50
              94. 7000) 1( 163. 6750) -1( 464. 4000)
                                                    162. 9250
     NOTE: . 0000 MHz FROM RECEIVED FREQUENCY RC051
  155.5500 8( 94.7000) 2( 163.6750) -2(
                                                  172. 7750
     NOTE: . 0150 MHz FROM RECEIVED FREQUENCY RC011
                                                 464. 7001)
  153.3250 -8( 94.7000) 1( 163.6750) 1(
                                                   155. 5350
     NOTE: .0350 MHz FROM RECEIVED FREQUENCY RC012
                                                 747. 2599)
 513. 2500 -7( 94. 7000) -2( 163. 6750) 2(
                                                153, 2900
     NOTE: . 0000 MHz FROM RECEIVED FREQUENCY CH21 V 513. 2500
12250.0503 -9( 94.7000) 2( 163.6750) 1( 12774.9991)
     NOTE: . 0498 MHz FROM RECEIVED FREQUENCY RC035 12250.0002
 477. 2001 -2( 94. 7000) 2( 163. 6750) 2(
     NOTE: . 0399 MHz FROM RECEIVED FREQUENCY CH15-V 477. 2400
  81.7250 8( 94.7000) 1( 163.6750) -2(
     NOTE: . 0150 MHz FROM RECEIVED FREQUENCY CH05-A
                                                419. 7750)
  45. 2250 -1( 94. 7000) -2( 163. 6750) 1(
                                                    81. 7400
     NOTE: . 0250 MHz FROM RECEIVED FREQUENCY RC004
                                                467, 2750)
  81.7251 -7( 94.7000) 2( 163.6750) 1(
                                                    45. 2000
     NOTE: .0149 MHz FROM RECEIVED FREQUENCY CH05-A
                                                417, 2750)
 516, 8750 8( 94, 7000) 1( 172, 9500) -1(
                                                   81. 7400
    NOTE: . 0455 MHz FROM RECEIVED FREQUENCY CH21 C
                                                413, 6750)
 462, 3250 6( 94, 7000) 2( 172, 9500) -1(
                                                516. 8294
    NOTE: . 0500 MHz FROM RECEIVED FREQUENCY RC059
                                                451, 7750)
 480.8500 2( 94.7000) -1( 172.9500) 1(
                                                462, 2750
    NOTE: .0305 MHz FROM RECEIVED FREQUENCY CH15-C
                                                464. 4000)
 517.7001 -8( 94.7000) 2( 172.9500) 2(
                                                480. 8195
    NOTE: . 0499 MHz FROM RECEIVED FREQUENCY CH21 A
                                                464. 7001)
 164. 1500 -5( 94. 7000) 1( 172. 9500) 1(
                                                517. 7500
    NOTE: .0250 MHz FROM RECEIVED FREQUENCY RC054
                                                464. 7001)
▶ 469.3999 -6( 94.7000) -2( 172.9500) 2(
                                                   164, 1250
    NOTE: .0000 MHz FROM RECEIVED FREQUENCY RC019
                                                691. 7599)
 469.4500 -6( 94.7000) 2( 172.9500) 1(
                                                   469, 4000
    NOTE: .0500 MHz FROM RECEIVED FREQUENCY RC019
                                               691, 7500)
 735.3000 -2( 94.7000) 1( 172.9500) 1(
                                                  469, 4000
    NOTE: .0500 MHz FROM RECEIVED FREQUENCY CH58 V
                                               751, 7501)
153. 2500 -30
             94.7000) -2( 172.9500) 1(
                                                  735. 2500
    NOTE: .0400 MHz FROM RECEIVED FREQUENCY RC012
                                               783, 2500)
414.9500 9( 94.7000) 2( 172.9500) -1(
                                                153. 2900
    NOTE: .0251 MHz FROM RECEIVED FREQUENCY RC058
                                               783, 2500)
153.3000 -5( 94.7000) -1( 172.9500) 1(
                                              414. 9750
    NOTE: .0100 MHz FROM RECEIVED FREQUENCY RC012 153.2900
```

```
FREQ (MHz)
               COMPONENTS
     -----
     208.8000 -5( 94.7000) -1( 172.9500) 1( 855.2500)
        NOTE: . 0195 MHz FROM RECEIVED FREQUENCY CH12-C 208.8195
12269.9999 -3( 94.7000) -2( 172.9500) 1( 12899.9996)
        NOTE: . 0000 MHz FROM RECEIVED FREQUENCY RC037 12269, 9999
     205. 2400 -2( 94. 7000) 2( 172. 9500) 1(
        NOTE: .0000 MHz FROM RECEIVED FREQUENCY CH12-V
                                                    48. 7400)
     408.3100 3( 94.7000) 1( 172.9500) -1(
                                                     205. 2400
        NOTE: . 0100 MHz FROM RECEIVED FREQUENCY RC017
                                                    48. 7400)
     415. 0249 8(
                  94. 7000) -1( 172. 9500) -1(
                                                     408, 3000
        NOTE: . 0500 MHz FROM RECEIVED FREQUENCY RC058
                                                    169, 6250)
    193.2500 2( 94.7000) 1( 172.9500) -1( NOTE: .0100 MHz FROM RECEIVED FREQUENCY CH10-V
                                                      414. 9750
                                                    169. 1000)
    469.6500 5(
                                                      193. 2400
                   94, 7000) -1( 172, 9500) 1(
        NOTE: . 0500 MHz FROM RECEIVED FREQUENCY RC021
                                                   169, 1000)
    156.0001 -9( 94.7000) 1( 172.9500) 2(
                                                      469, 7000
        NOTE: . 0301 MHz FROM RECEIVED FREQUENCY RC010
                                                   417. 6750)
    156.0001 -9( 94.7000) 1( 172.9500) 2(
                                                      155. 9700
        NOTE: .0449 MHz FROM RECEIVED FREQUENCY RC013
                                                   417. 6759)
     77. 2000 1( 94. 7000) -2( 172. 9500) 2(
                                                       156. 0450
        NOTE: . 0400 MHz FROM RECEIVED FREQUENCY CH05-V
                                                   164. 2000)
    414.8500 -1(
                94, 7000) 1( 172, 9500) 2(
                                                       77. 2400
        NOTE: . 0250 MHz FROM RECEIVED FREQUENCY RC053
                                                   168. 3000)
    196.8500 20
                   94, 7000) 2( 172, 9500) -2(
                                                      414, 8250
       NOTE: .0305 MHz FROM RECEIVED FREQUENCY CH10-C
                                                   169. 2250)
    477. 2250 50
                                                     196. 8195
                   94. 7000) 1( 172. 9500) -1(
       NOTE: .0150 MHz FROM RECEIVED FREQUENCY CH15-V
                                                   169, 2250)
    477. 2000 -2( 94. 7000) -1( 172. 9500) 2(
                                                      477. 2400
       NOTE: . 0400 MHz FROM RECEIVED FREQUENCY CH15-V
                                                   419, 7750)
    197.7750 2( 94.7000) 1( 172.9500) -1(
                                                      477, 2499
       NOTE: . 0350 MHz FROM RECEIVED FREQUENCY CH10-A
                                                   164, 5750)
    456.7500 5( 94.7000) -2( 172.9500) 2(
                                                   197, 7400
       NOTE: . 0250 MHz FROM RECEIVED FREQUENCY RC018
                                                   164. 5750)
    513. 2750 8(
                 94.7000) 1( 172.9500) -1(
                                                     456, 7759
       NOTE: . 0250 MHz FROM RECEIVED FREQUENCY CH21 V
                                                   417, 2750)
    205.2500 6( 94.7000) -2( 413.6750) 1(
                                                      513, 2500
       NOTE: .0100 MHz FROM RECEIVED FREQUENCY CH12-V
                                                   464, 4000)
   480.8500 4( 94.7000) -E( 413.6750) 2(
                                                     205, 2499
       NOTE: .0305 MHz FROM RECEIVED FREQUENCY CH15-C
                                                   464. (891)
   168.3500 -4( 94.7000) -2( 413.6750) 2(
                                                  480. 8195
       NOTE: .0500 MHz FROM RECEIVED FREQUENCY RC057
                                                  687, 2599)
    45. 2250 4( 94. 7000) 1( 413. 6750) -1(
                                                      168. 3000
       NOTE: .0250 MHz FROM RECEIVED FREQUENCY RC004
                                                  747, 2500)
   480.7750 1( 94.7000) -1( 413.6750) 1(
                                                      45. 2000
      NOTE: . 0445 MHz FROM RECEIVED FREQUENCY CH15-C 480.8195
```

	FREG	(MH>	OMF	ONENTO		4 510DY		
	46	18. 350	0 -4(	94. 7000	) -20	413, 6750)	21	807. 2501)
		NUI R PTE	E: .050	0 MHz FRO	M RECEIVE	D FREQUENC	Y REGIZ	807. 2501) 408. 3000
		NOT	ღ -პ( ნ∙ ი⊿ნ	94. 7000	2 10	413. 6750)	-16	408. 3000 48. 7400)
	16	9. 125	D 46	O MHZ FRO	M RECEIVE	D FREQUENC	Y CHOS-	48. 7400) C 80. 8195
		NOT	E: 025	94.7000 0 MU- 500	) 10	413. 6750)	-20	169. 6250)
	3	9. 525	0 30	94 7880	M RECEIVE	DEPENDENC		
		NOTE	E: . 025	74. (000 0 MH→ Έρρ	) -1( M DEGET:	413. 6750)	1(	169. 1000)
	21	4. 850:	1 -3(	- 11112 LVO	い ひといたエバト	D ERECHENC	Y RC005	39, 5000
		NOTE	E: . 020	6 MHZ FROI	Y ESCETUE	413. 6750)	-50	164. 2000)
	46	9. 6501	1 -54	94 7000	) SA U KECETAE	D FREQUENC	Y CH13 (	164, 2000) 214, 8295
		NOTE	. 049	9 MHz FROM	Y PECETUE	413. 6750)	-1<	168. 3000)
200	17	2. 1499	7 7 6	94. 7000	) -SV   VECETAE	L PREGUENC	7 RC021	168, 3000) 469, 7000
		NOTE	. 000:	L MHZ FROM	1 RECETUE	413.6750)	20	469. 7000 '168. 3000) 172. 1500
	193	3. 2499	96	94 7000	-34	O LKEMOFMC	RC016	172, 1500
		NOTE	. 010	MHZ FROM	1 RECETVE	TES. OF SET	1(	168. 3000) 193. 2400
	738	8. 8750	4 <	94. 7000)	20	413. 6750)	CH10-V	193. 2400
	40.	NOTE	. 0455		I KELETYFI	PREDICTION		
	164	7000	76	94. 7000)	-20	413. 6758)	CHOS C	738. 8295
	406	NUTE	. 0251	MHZ FROM	RECETUE			164.5750)
	Toc	. 8000	5(	94. 7000)	10	413.6750)	-16	164. 7250
	150	MOLE						
	120	. 375Ø	-8(	94. 7000)	10	FREQUENCY 451. 7750)	1/	185. 7600
		. 1501		THE CRUPT	KEUETVED	EDECHIENCH		
	104	NOTE	2(	94. 7000)	20	451. 7750)	-5(	158, 5800
	21	. 7750	. 0251	OUS LEGA	KECEIVED	FREQUENCY	RC054	464, 4999)
	01	MOTE	1(	94. 7000)	10	451. 7750)	-10	164. 1250 464. 7001)
	1895	0251	שכטש	HUZ EKUM	RECEIVED	FREQUENCY	CHOS-P	81. 7400
		MOTE	9(	94. 7000)	-1(	451. 7750)	20	747. 2500)
	205	2750	-16					
		NOTE:	9750	94. (000)	-10	FREQUENCY 451. 7750)	1(	751 75041
		2999		THIS FROM	KECFTAED	FREQUENCY	CH42_U	227 2
		NOTE:	8881	74. (888)	-20	451. 7750)	10	787, 7500)
	158.	5750	-5(		WEARTAED.	<b>EKEMPENCO</b>	PCBET	
		NOTE:	ิ ผลรา	74. (000)	-1(	451. 7750)	1(	799, 7500)
	738.	8250	-6(	94. 7000)	MEGETAED	LKEMOFUCA	RC007	158. 5800
								855, 2500)
	164.	7250	6(	94. 7000)	RECEIVED	FREQUENCY	CH58 C	738. 8295
								855. 2500)
	164.	8950	-2(	94. 7000)	KEUEIVED	FREQUENCY	RCØ56	164, 7250
		NOTE:	. 8425	MHT EDOM				48. 7400)
	469.	6001	-1(	94. 7000)	RECEIVED	FREQUENCY	RC014	164. 9375
						FREQUENCY		169. 6250)
					WELFTAFD	FREQUENCY	RC020	469 6001
				Filia	0 11:			

	FREG	(MHZ)	COMP	ONENTS					
		4 0740							
		1. 2749	9(	94. 7000	-1(	451, 7750	-20	169. 6250)	
	73	9. 7750	014						
		NOTE	9(	94. 7000:	-10	451. 7750	20	169, 6250)	
	19	9. 8259		S THE FRUIT	' KECEIVE	D FREDUENC	THE CHIES		
		NOTE	: 004	74. (000) 5 MU CDO	-10	451. 7758)	10	169. 1000)	
	16	2. 9000	1 (	w 11112 (TILLIF	1 661 61961	D COCOLLEGE			
		NOTE	ดอร	A WHT EDON	2(	451. 7750)	-20	417. 6750)	
	73	9. 7000		A THIS LKIND	I RESELVE	) FREGUENC	U DOOLE		
		NOTE:	. 0500	MH- FROM	1(	464. 4000)	10	464. 7001)	
	6:	1. 2500	3(	94 7000	MEDETAFF	464. 4000) FREQUENC	Y CH58	A 739. 7500	
		NOTE:	. 0100	MHT FROM	I.C.	464. 4000)	-1(	A 739, 7500 687, 2500)	
	15	5. 9500	40	94 7000	WEGETAEF	LKEGNENC	Y CH03+	V 61. 2600	
		NOTE:	. 0200	MHz FROM	PECETUES	464.4000) FREQUENC	-1(	Y 61. 2600 `687. 2500)	
	738	8. 8000	3(	94 70001	-34	LKEMOENC	Y RC010	155, 9700	
		NOTE:	. 0295	MHZ FROM	RECETUER	464. 4000) FREQUENC	2(	691. 7500)	
	48	3. 3500	20	94. 79993	-2.C	TREGUENC	Y CH58 (	738, 8295 787, 7500)	
		NOTE:	. 0390	MHZ FROM	RECETUEN	464. 4000) FREQUENC	14	787, 7500)	
	> 735		9(	94 70001	-02	LKEWOENC	Y RC001	48. 3800	
		NOTE:	. 0000	MHZ FROM	RECETVEN	FREQUENC	1<	· · · · · · · · · · · · · · · · · · ·	
	45	5. 1500	1(	94. 7000)	-20	464. 4000)	7 CH58 V	735. 2500	
		NOTE:	. 0500	THE PRINT		COCOLIENA			
	462	2. 3000	80	94. 7000)	-10	464. 4000)	P RC004	45. 2000	
_		NOTE:		THE LEGIS	MEDETAED	FREGUENCE	Dogma		
	408								
	~	NOTE:	. 0000			FREQUENCY	T(		
	33	. 2000							
		MOIE:	. 6499	MHZ FROM	RECEIVED	FREQUENCY	Prees		
	414								
	105	NOTE:	. 0250	MHz FROM	RECEIVED	FREQUENCY	Proso		
	100								
est)	460	NOTE:	. 0099	MHZ FROM	RECEIVED	FREDUENCH	CHOOLA	419, 7750)	
	707.							185, 7600 419, 7750)	
	157	NUIE:		1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	いとうピエムにひ	164.4000) FREQUENCY	RCREE		
	<b>400</b> .							ממכם, כסד	
	196	2500	. 0150	MHZ FROM					
	± 5.05.								
	198	8500	. 6565	HUZ FRUM	RECEIVED	FREQUENCY	CH10-C		
		NOTE:	5(	94. 7000)	10 4	64. 6000)	-10	196, 8195 747, 2500)	
	172	7999 _	. 8283 5(	MHZ FROM	RECEIVED	54. 6000) FREQUENCY	CHØ9 C	190. 8295	
		NOTE:	8240	94. 7000)	-20 4	64. 6000)	20	787. 7500)	
	196	7999 _	. 0247   57	MHZ FROM (	7666			172, 7750	
		NOTE	94 97 3	74. 7000) Mul 555	-20 4	64. 6000)	2<	172, 7750 799, 7500)	
			_ むエブカ   	mHZ FROM A	RECEIVED	64.6000) FREQUENCY	CH10-C	196. 8195	
						FREQUENCY			
				三二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十	باستأحدة البان	n .n			

#### INTERMODULATION STUDY

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FREQ (MHz) COMPONENTS
 153. 2500 -2( 94. 7000) -1( 464. 6000) 1(
     NOTE: . 0400 MHz FROM RECEIVED FREQUENCY RC012
                                                807. 2501)
 414.9500 8( 94.7000) 1( 464.6000) -1(
                                                 153. 2900
     NOTE: . 0251 MHz FROM RECEIVED FREQUENCY RC058
                                                807. 2501)
 164. 1500 10
             94.7000) 2( 464.6000) -1(
                                                 414, 9750
     NOTE: . 0250 MHz FROM RECEIVED FREQUENCY RC054
                                                859. 7500)
▶ 45.2000 -8( 94.7000) 1( 464.6000) 2(
                                                164, 1259
     NOTE: . 0000 MHz FROM RECEIVED FREQUENCY RC004
                                                169. 1000)
 196.8000 -6( 94.7000) 2( 464.6000) -1(
                                                45. 2000
    NOTE: . 0195 MHz FROM RECEIVED FREQUENCY CH10-C
                                                164, 2000)
 191,7750 -6( 94,7000) 2( 464,6000) -1(
                                                196, 8195
    NOTE: . 0250 MHz FROM RECEIVED FREQUENCY CH09 A
                                                169, 2250)
 469.6500 1( 94.7000) -1( 464.6000) 2( NOTE: .0500 MHz FROM RECEIVED FREQUENCY RC021
                                                191. 7500
                                                419, 7750)
 193. 2500 6(
                94. 7000) 1( 464. 6000) -2(
                                                 469, 7000
    NOTE: . 0100 MHz FROM RECEIVED FREQUENCY CH10-V
                                                419, 7750)
 414.9500 -4( 94.7000) 1( 464.6000) 2(
                                                193, 2400
    NOTE: .0250 MHz FROM RECEIVED FREQUENCY RC058
                                                164, 5750)
 77. 2500 -9(
                94. 7000) 1( 464. 7001) 1(
                                                   414. 9750
    NOTE: . 0100 MHz FROM RECEIVED FREQUENCY CH05-V
                                                464. 8499)
 48. 2501 -2( 94. 7000) 2( 464. 7001) -1(
                                                   77. 2400
    NOTE: . 0101 MHz FROM RECEIVED FREQUENCY RC003
                                                691, 7500)
208,8001 7( 94,7000) 2( 464,7001) -2(
                                                   48. 2400
    NOTE: . 0195 MHz FROM RECEIVED FREQUENCY CH12-C 208.8195
 39.4500 -1( 94.7000) 2( 464.7001) -1(
    NOTE: . 0500 MHz FROM RECEIVED FREQUENCY RC005
                                               795. 2581)
 48. 2500 4( 94. 7000) 1( 464. 7001) -1(
                                                   39, 5000
    NOTE: .0100 MHz FROM RECEIVED FREQUENCY RC003
                                               795, 2501)
168. 2999 -9( 94. 7000) -2( 464. 7001) 1(
                                                   48. 2400
    NOTE: .0001 MHz FROM RECEIVED FREQUENCY RC057
                                              1950, 0000)
 48, 3499 9( 94, 7000) -1( 464, 7001) -2(
                                              168, 3000
   NOTE: . 0301 MHz FROM RECEIVED FREQUENCY RC001 48.3800
181, 2500 -2( 94, 7000) -1( 464, 7001) 2(
   NOTE: .0100 MHz FROM RECEIVED FREQUENCY CH08+V
                                               417, 6750)
 64, 8000 -6( 94, 7000) 1( 464, 7001) 1(
                                                 181, 2600
   NOTE: .0395 MHz FROM RECEIVED FREQUENCY CH03+C
                                               168, 3000)
 61.3000 20
            94.7000) -1( 464.7001) 2(
                                                  64, 8395
   NOTE: .0400 MHz FROM RECEIVED FREQUENCY CH03+V
                                               168, 3000)
156.0000 3(
                                               61. 2600
            94.7000) -1( 464.7001) 2(
   NOTE: . 0300 MHz FROM RECEIVED FREQUENCY RC010
                                               168, 3000)
156.0000 3( 94.7000) -1( 464.7001) 2(
                                              155. 9700
   NOTE: .0450 MHz FROM RECEIVED FREQUENCY RC013 156.0450
65.7250 -6( 94.7000) 1( 464.7001) 1( 169.2250)
   NOTE: . 0350 MHz FROM RECEIVED FREQUENCY CH03+A 65.7600
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Ellis & Wiebe, P.C.

#### INTERMODULATION STUDY

```
FREG (MHz) COMPONENTS
              -----
              94. 7000) -1( 464. 7001) 2(
 469. 5500 1(
     NOTE: . 0500 MHz FROM RECEIVED FREQUENCY RC020
                                               419. 7750)
 153. 2750 7( 94. 7000) -2( 464. 7001) 1(
                                              469, 6001
     NOTE: . 0150 MHz FROM RECEIVED FREQUENCY RC012
                                               419. 7750)
 185. 7500 -3( 94. 7000) -1( 464. 7001) 2(
                                                 153, 2900
     NOTE: . 0100 MHz FROM RECEIVED FREQUENCY CH08+A
                                               467. 2750)
  48. 4000 4( 94. 7000) 1( 464. 8499) -1(
                                                185. 7699
     NOTE: . 0200 MHz FROM RECEIVED FREQUENCY RC001 48.3800
 513. 2500 4( 94. 7000) 2( 464. 8499) -1(
     NOTE: . 0000 MHz FROM RECEIVED FREQUENCY CH21 V 513. 2500
1985.0001 -6( 94.7000) 2( 464.8499) 2(
    NOTE: .0000 MHz FROM RECEIVED FREQUENCY RC050 1985.0001
                                               811. 7501)
 169, 1499 1( 94, 7000) 2( 464, 8499) -1( ·855, 2500)
    NOTE: . 0499 MHz FROM RECEIVED FREQUENCY RC052
 517.7501 6( 94.7000) -2( 464.8499) 1(
    NOTE: . 0001 MHz FROM RECEIVED FREQUENCY CH21 A 517.7500
  48.7501 1( 94.7000) -2( 464.8499) 1(
    NOTE: . 0101 MHz FROM RECEIVED FREQUENCY RC047
                                               883, 7500)
 197. 7001 -8( 94. 7000) -2( 464. 8499) 1( 1885. 0000)
    NOTE: . 0399 MHz FROM RECEIVED FREQUENCY CH10-A
  48, 2000 9( 94, 7000) -1( 464, 8499) -2( 169, 6250)
                                                197. 7400
    NOTE: . 0400 MHz FROM RECEIVED FREQUENCY RC003
  65. 7500 -6( 94. 7000) 1( 464. 8499) 1(
    NOTE: . 0100 MHz FROM RECEIVED FREQUENCY CH03+A 65.7600
                                              169. 1000)
 197.7000 6( 94.7000) 1( 464.8499) -2( 417.6750)
    NOTE: . 0400 MHz FROM RECEIVED FREQUENCY CH10-A 197.7400
 155.5500 -5( 94.7000) 1( 464.8499) 1(
    NOTE: . 0150 MHz FROM RECEIVED FREQUENCY RC011 155.5350
 193.1999 -6( 94.7000) 2( 464.8499) -1( 168.3000)
    NOTE: . 0401 MHz FROM RECEIVED FREQUENCY CH10-V 193. 2400
469. 4001 1(
               94, 7000) -1( 464, 8499) 2(
    NOTE: . 0001 MHz FROM RECEIVED FREQUENCY RC019
                                              419, 7750)
184.8499 1( 94.7000) 2( 464.8499) -2(
                                               469, 4000
                                              419, 7750)
    NOTE: . 0103 MHz FROM RECEIVED FREQUENCY CH08+C
193.2000 7( 94.7000) 1( 464.8499) -2(
                                              184, 8395
    NOTE: . 0400 MHz FROM RECEIVED FREQUENCY CH10-V
                                              467, 2750)
 61, 2250 -6( 94, 7000) 1( 464, 8499) 1(
                                               193, 2400
   NOTE: . 0350 MHz FROM RECEIVED FREQUENCY CH03+V
                                              164, 5750)
155. 9250 -5( 94. 7000) 1( 464. 8499) 1(
                                              61. 2600
   NOTE: .0450 MHz FROM RECEIVED FREQUENCY RC010 155.9700
408.6250 -5( 94.7000) 1( 464.8499) 1(
   NOTE: .0500 MHz FROM RECEIVED FREQUENCY RC055 408.5750
156.0501 9( 94.7000) 1( 687.2500) -2(
   NOTE: .0051 MHz FROM RECEIVED FREQUENCY RC013 156.0450
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Ellis & Wiebe, P.C.

FRE	3 (MU-)			31004		
	(MHz) COM	IPONENTS				
16	4. 1000 30	94 7000	20	687. 2500)		
	NOTE: . 02	50 MHz FROM	1 RECETVE	por EDEOUENA	-2(	
16						
	NOTE: . 02	50 MHz FROM	1 RECETVE	DEPENDENC	-1(	
40						
40	NUTE: .02	50 MHz FROM	1 RECEIVE	PREBLIENC	1(	
40		ע די נישושים אידי	-7(	407 O		
17	NOTE: . 05	00 MHz FROM	RECEIVED	PREGUENC	2 PC847	879. 2501)
TI		PT. ( EJEJE) J		o		
40	NOTE: . 00	00 MHz FROM	RECEIVED	EREDUENC	Y PCM14	883. 7500)
70						
15		94 MHz FROM	RECEIVED	FREQUENC	2 CH15-0	
10.	8. 6000 -2(	94. 7000)	10	687, 2500)	-21 -21	0 480.8195 169.6250)
40	NOTE: . 021 8. 5500 8(	MHZ FROM	RECEIVED	FREQUENCY	RCMMZ	158, 5899
William Records	MOTE: gas	94. 7000)	-1(	687. 2500)	20	169. 1000)
45	NOTE: . 025 5. 1500 6(	MOSA ZHU BE	KECEIVED	FREQUENCY	RC055	408. 5750
	NOTE: 050	94. (888) 18 MU- 5004	-10	687. 2500)	1(	164 20001
469	7000 -60	אַנואָאן צחוי פי	KECEIVED	FREQUENCY	RC004	164. 2000) 45. 2000
	NOTE: AND	94. 7000)	2(	687, 2500)	-20	168. 3000)
739	NOTE: .000 7.7500 -3(	94. 7000)	KECEIVED	FREQUENCY	RC021	469. 7000
Afternation 1	NOTE:	MHT FROM	1(	687. 2500)	20	168, 3000)
172	2.7750 -10	94. 7000)	KECETAED	FREQUENCY	CH58 A	168, 3000) 739, 7500
	NOTE: . 000	8 MHZ FROM	PECETUEN	687. 2500)	-1<	419. 7750)
164		27. ( VIVIUI I	3 /			172. 7750
	MUIE: . 025	0 MHz FROM	RECETVED	587. 2500)	2(	164, 5750)
45		4. (ARM ) 1.	-1(	04 7844	_	164. 1250
	NOTE: . 050	0 MHz FROM	RECETVED	91. 7500)	24	747. 2500)
158						
	NOTE: . 030	0 MHz FROM	RECEIVED	FREGUENCY	-1(	
164						
444	NOTE: . 025	MHz FROM	RECEIVED	FREGUENCO	PCGE4	
154.	1000 30	94. 7000)	10 6	91. 7500)	-16	164. 1250
469.	NOTE: . 025	MHz FROM	RECEIVED	FREQUENCY	PC054	811. 7501)
TO 7.						164. 1250
197	NOTE: . 000: 2001 6(	e intermediate	KEUEIVED	FREQUENCY	RC021	879. 2501)
193.						469, 7000 879, 2501)
215	NOTE: . 0399	MHz FROM (	RECEIVED	FREQUENCY	CH10-V	
L. 4.4.						193, 2400 169, 6250)
456	NOTE: . 0500 8000 -8(	MHZ FROM I	RECEIVED	FREQUENCY	CH13 A	215. 7500
						169, 1000)
164	NOTE: . 0250 1500 -20	THE FROM P	RECEIVED	FREQUENCY	RC018	456, 7750
						169. 1000)
	NOTE: . 0250	MHZ FROM R	KECEIVED (	FREQUENCY	RC054	164 1950
		Ellia				

FREG	(ZHM)	COMP	ONENTS					
15	8 6250	-0/	04					
	NOTE	-0( : 045	94.7000 10 MU→ EDO	2(	691. 7500)	-1(	467. 2750)	
4	8. 3500	-70	94 7000	A MECEIAEL	691. 7500) FREQUENC 747. 2500)	Y RC007	158. 5800	
	NOTE:	. 030	0 MHz FROM	/ ESCENIES	747. 2500) FREQUENC	-10	783. 2500)	
41								
	NOTE:	. 025	9 MHz FROM	1 RECETUES	747. 2500) FREQUENC	1 (	783. 2500)	
16								
	NOTE:	. 025						
46	9. 7499							
				RECETVED	747. 2500) FREQUENC	-5(		
15	3. 8500		VT. I DEED J		747 9600.			
	NOTE:		MHz FROM	RECEIVED	FREQUENCY	I Decen		
51	6. 8750		7 4 / DIDIDI	7 /	7 4		153. 8900	
	NOTE:	. 0455	S LIUS EKAN	REGETAED	FREDUENCE	1 01104 0		
19:								
40.	NOTE:	. 0499	TIME PRUM	KECEIVED	FREQUENCY	LEY LEY		
46	9. 3750	54	94. 7000)	10	747. 2500)	-1(	191.7500	
40	NUTE:	. 0250	MHz FROM	RECEIVED	FREQUENCY	PCG10	467, 2750)	
136	5. 7999 NOTE	3(	94. 7000)	10	747. 2500) FREQUENCY 747. 2500)	-51	469. 4000	
44.	NUIE:		THE PROPERTY.	いどうたます人をひ	PREDIENCE			
41.			TT. CODEL	-1	754 7604 V			
10.	NOTE:	. 0250	PICZ PRUM	KECEIVED	FREGUENCH	DOGET		
10-	. 8500 ·		74. ( KIKIN )	-1/	754 7504	_		
154	NOTE: 5. 0500	. 0105	TIME FRUM	RECEIVED	EREDIENCH	01100.0		
106	NOTE:	- •	7T. ( 200)		754 7864 L			
205	8. 8500 -	. שכשש -74	LIUS LEGIL	KECEIVED	FREDUENCU	DCG47	156. 0450	
	NOTE:							
164	1000	. 0305 3(	HITZ FRUM	KECEIVED	FREDUENCU	CHAO	208. 8195	
							811. 7501)	
480	. 8001	9(	PA 7000	RECEIVED	FREQUENCY	RCØ54	164. 1250	
		• `	2 9 / VIVIVI I	23.6				
80	7750	70	94 7300 N	RECEIVED	51. 7501) FREQUENCY	CH4E-C	480.8195	
	NOTE:	0445	MH- EDOM	710 7	51. 7501)	1(	169. 6250)	
168	3500 -	70	94. 7000)	RECEIVED	FREQUENCY	CH05-C	169, 6250) 80, 8195	
	NOTE:	. 0500	MH- FROM	71( 7	83. 2500) FREQUENCY	20	807. 2501)	
48.	3500 -	70	94 7000	MECETAED	FREQUENCY 83. 2500)	RC057	168. 3000	
							855. 2500)	
169.	0900 -	7(	94 7000	KECETAED	FREQUENCY 83. 2500)	RC001	48. 3800	
							48. 7499)	
469.							169. 1999	
							169. 6250)	
408.							469. 6001	
	-		11664 FR1111 1	9616TUER 1			169. 6250)	
 					-KEGUENCY	RC017	408. 3000	
			Filip					

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FREQ (MHz) COMPONENTS
     -----
      48. 7500 7( 94. 7000) -1( 783. 2500) 1(
        NOTE: . 0100 MHz FROM RECEIVED FREQUENCY RC047
                                                   169. 1000)
     162. 9499 -6(
                  94, 7000) 2( 783, 2500) -2(
                                                    48. 7400
        NOTE: . 0249 MHz FROM RECEIVED FREQUENCY RC015
                                                   417. 6750)
     208.8000 7( 94.7000) -1( 783.2500) 2(
                                                     162, 9250
        NOTE: . 0195 MHz FROM RECEIVED FREQUENCY CH12-C
                                                   164. 5750)
      45. 1500 -8( 94. 7000) -1( 787. 7500) 2( 795. 2501)
                                                     208. 8195
        NOTE: . 0500 MHz FROM RECEIVED FREQUENCY RC004
     735.2001 -9( 94.7000) 1( 787.7500) 1(
                                                      45. 2000
        NOTE: .0500 MHz FROM RECEIVED FREQUENCY CH58 V
                                                   799. 7500)
     156.0500 9( 94.7000) -2( 787.7500) 1(
                                                   735. 2500
        NOTE: . 0050 MHz FROM RECEIVED FREQUENCY RC013
                                                   879. 2501)
     214.8000 -1( 94.7000) -2( 787.7500) 1( 1885.0000)
        NOTE: . 0295 MHz FROM RECEIVED FREQUENCY CH13 C
      77. 2500 -7(
                   94, 7000) 2( 787, 7500) -2(
        NOTE: . 0100 MHz FROM RECEIVED FREQUENCY CH05-V
                                                  417. 6750)
    735. 2500 3( 94. 7000) 1( 787. 7500) -2(
                                                    77. 2400
        NOTE: . 0000 MHz FROM RECEIVED FREQUENCY CH58 V
                                                  168. 3000)
    172.7499 -6( 94.7000) 2( 787.7500) -2( 417.2750)
                                                  735. 2500
        NOTE: . 0251 MHz FROM RECEIVED FREQUENCY RC051
    197.7250 6( 94.7000) -1( 787.7500) 1( 417.2750)
                                                   172, 7750
        NOTE: . 0150 MHz FROM RECEIVED FREQUENCY CH10-A 197.7400
    164.1000 3( 94.7000) 2( 795.2501) -2(
        NOTE: . 0250 MHz FROM RECEIVED FREQUENCY RC054 164.1250
     48. 3500 -7( 94. 7000) 2( 795. 2501) -1(
       NOTE: . 0300 MHz FROM RECEIVED FREQUENCY RC001
                                                  879. 2501)
     77. 2000 -4( 94. 7000) 1( 795. 2501) -2(
                                                  48. 3800
       NOTE: . 0400 MHz FROM RECEIVED FREQUENCY CH05-V
                                                  169, 6250)
    196.8000 7( 94.7000) -1( 795.2501) 2(
                                                     77. 2400
       NOTE: .0195 MHz FROM RECEIVED FREQUENCY CH10-C
                                                  164. 5750)
    164.1000 3( 94.7000) 2( 799.7500) -2(
                                                  196, 8195
       NOTE: . 0250 MHz FROM RECEIVED FREQUENCY RC054 164.1250
    469.6900 -4( 94.7000) 1( 799.7500) 1(
       NOTE: .0100 MHz FROM RECEIVED FREQUENCY RC021
                                                  48. 7400)
    190.8001 -1( 94.7000) -2( 799.7500) 1( 1885.0000)
                                                    469. 7000
       NOTE: . 0295 MHz FROM RECEIVED FREQUENCY CH09 C 190.8295
    81,7000 -4( 94,7000) 1( 799,7500) -2( 169,6250)
       NOTE: . 0400 MHz FROM RECEIVED FREQUENCY CH05-A
   > 211. 2500 -8( 94. 7000) 1( 799. 7500) 1( 169. 1000)
       NOTE: .0000 MHz FROM RECEIVED FREQUENCY CH13 V 211.2500
187. 2500 -3( 94. 7000) 1( 799. 7500) -2( 164. 2000)
       NOTE: . 0000 MHz FROM RECEIVED FREQUENCY CH09 V 187. 2500
   516.8251 -7( 94.7000) 2( 799.7500) -1( 419.7750)
       NOTE: .0045 MHz FROM RECEIVED FREQUENCY CH21 C 516.8294
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FREQ (MHz)
             COMPONENTS
■ 191.7500 -6( 94.7000) 2( 799.7500) -2(
       NOTE: . 0000 MHz FROM RECEIVED FREQUENCY CH09 A 191.7500
     48.3750 -3( 94.7000) 1( 799.7500) -1(
       NOTE: . 0050 MHz FROM RECEIVED FREQUENCY RC001
                                                  467, 2750)
    480.8500 -3( 94.7000) 2( 799.7500) -2(
                                                      48. 3800
       NOTE: . 0305 MHz FROM RECEIVED FREQUENCY CH15-C
                                                  417, 2750)
   185. 7250 6( 94. 7000) -1( 799. 7500) 1( 417. 2750)
                                                   480. 8195
       NOTE: .0350 MHz FROM RECEIVED FREQUENCY CH08+A
   469.8250 9( 94.7000) -1( 799.7500) 1( 417.2750)
                                                     185. 7600
       NOTE: . 0250 MHz FROM RECEIVED FREQUENCY RC022
    45. 1500 -8(
                94.7000) 2( 807.2501) -1( 811.7501)
                                                     469, 8500
       NOTE: . 0500 MHz FROM RECEIVED FREQUENCY RC004
   158.5999 7( 94.7000) 2( 807.2501) -1(
                                                     45. 2000
       NOTE: .0199 MHz FROM RECEIVED FREQUENCY RC007 158.5800
   414.8499 -7( 94.7000) -1( 807.2501) 1(
       NOTE: . 0250 MHz FROM RECEIVED FREQUENCY RC053
                                                 1885. 0000)
   516.8001 9( 94.7000) 2( 807.2501) -1( 1950.0000)
       NOTE: . 0294 MHz FROM RECEIVED FREQUENCY CH21 C
   164. 1250 -5( 94. 7000) 1( 807. 2501) -1( 169. 6250)
                                                    516, 8294
      NOTE: .0000 MHz FROM RECEIVED FREQUENCY RC054
   408. 2750 -6( 94. 7000) 1( 807. 2501) 1( 169. 2250)
                                                  164, 1250
      NOTE: . 0250 MHz FROM RECEIVED FREQUENCY RC017 408.3000
   469.4251 -8( 94.7000) 1( 807.2501) 1( 419.7750)
NOTE: .0251 MHz FROM RECEIVED FREQUENCY RC019 469.49
134.8000 7( 94.7000) -1( 807.2501) 2( 164.5750)
                                                     469, 4000
      NOTE: .0395 MHz FROM RECEIVED FREQUENCY CH08+C 194.8395
   462.3250 9( 94.7000) -1( 807.2501) 1( 417.2750)
      NOTE: . 0500 MHz FROM RECEIVED FREQUENCY RC059
   738.8500 -6( 94.7000) -1( 811.7501) 1( 2118.7999)
      NOTE: . 0205 MHz FROM RECEIVED FREQUENCY CH58 C 738, 8295
   211.2001 -3( 94.7000) -2( 811.7501) 1( 2118.7999)
      NOTE: . 0499 MHz FROM RECEIVED FREQUENCY CH13 V 211.2500
  169.1500 -5( 94.7000) 1( 811.7501) -1(
      NOTE: .0500 MHz FROM RECEIVED FREQUENCY RC052
                                                 169, 1000)
  477. 2500 -7( 94. 7000) 1( 911. 7501) 2(
                                                    169. 1000
      NOTE: . 0100 MHz FROM RECEIVED FREQUENCY CH15-V 477. 2400
  208.8500 9( 94.7000) -1( 811.7501) 1(
      NOTE: .0305 MHz FROM RECEIVED FREQUENCY CH12-C 208,8195
  209.7750 9( 94.7000) -1( 811.7501) 1( 169.2250)
      NOTE: .0350 MHz FROM RECEIVED FREQUENCY CH12-A 209.7400
  215.7500 -6( 94.7000) 2( 811.7501) -2( 419.7750)
     NOTE: . 0000 MHz FROM RECEIVED FREQUENCY CH13 A 215.7500
  172.1750 -9( 94.7000) 1( 855.2500) 1( 169.2250)
     NOTE: . 0250 MHz FROM RECEIVED FREQUENCY RC016 172. 1500
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FREQ (MHz) COMPONENTS
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 1944. 9501 -1( 94. 7000) 2( 855. 2500) 2( 164. 5750)
     NOTE: . 8499 MHz FROM RECEIVED FREQUENCY RC849 1945. 888
  153.8750 -3( 94.7000) 1( 855.2500) -1(
     NOTE: . 0150 MHz FROM RECEIVED FREQUENCY RC009 153.8900
 162. 9499 -9( 94. 7000) -1( 859. 7500) 1( 1875. 0000)
     NOTE: . 0249 MHz FROM RECEIVED FREQUENCY RC015 162.9250
 408.5300 -6( 94.7000) 1( 879.2501) 2(
     NOTE: . 0450 MHz FROM RECEIVED FREQUENCY RC055 408.5750
12270.0500 4( 94.7000) -1( 983.7500) 1( 12774.9991)
     NOTE: . 0498 MHz FROM RECEIVED FREQUENCY RC037 12269. 9999
 172.1100 -7( 94.7000) 1( 883.7500) -1(
    NOTE: . 0400 MHz FROM RECEIVED FREQUENCY RC016
                                               48.7400)
 517.7500 -5( 94.7000) -1( 983.7500) 1( 1875.0000)
                                              172. 1500
    NOTE: . 0000 MHz FROM RECEIVED FREQUENCY CH21 A 517.7500
 196, 8250 7( 94, 7000) -1( 883, 7500) 1( 417, 6750)
    NOTE: . 0055 MHz FROM RECEIVED FREQUENCY CH10-C 196. 8195
 164.0996 30
             94. 7000) -2( 12530. 0002) 2( 12469. 9997)
    NOTE: . 0254 MHz FROM RECEIVED FREQUENCY RC054 164.1250
  48. 1992 6(
               94.7000) 2( 12469.9997) -2( 12730.0000)
    NOTE: . 0408 MHz FROM RECEIVED FREQUENCY RC003 48. 2400
 462.2998 9( 94.7000) 1( 12510.0004) -1( 12899.9996)
    NOTE: . 0248 MHz FROM RECEIVED FREQUENCY RC059 462. 2750
208.7998 4( 94.7000) 1( 12730.0000) -1( 12899.9996)
    NOTE: . 0197 MHz FROM RECEIVED FREQUENCY CH12-C 208. 8195
 462.3008 9( 94.7000) 2( 12730.0000) -2( 12925.0001)
    NOTE: . 0258 MHz FROM RECEIVED FREQUENCY RC059 462. 2750
 65. 7350 3( 94. 7000) -1( 48. 7400) -1(
    NOTE: . 0250 MHz FROM RECEIVED FREQUENCY CH03+A
                                             169, 6250)
181.2600 6( 94.7000) -1( 48.7400) -2(
                                              65. 7600
   NOTE: .0000 MHz FROM RECEIVED FREQUENCY CH08+V
                                             169. 1000)
153.3050 5( 94.7000) 2( 48.7400) -1(
   NOTE: .0150 MHz FROM RECEIVED FREQUENCY RC012
                                             417, 6750)
477. 2600 2( 94. 7000) -1( 48. 7400) 2(
                                              153, 2900
   NOTE: . 0200 MHz FROM RECEIVED FREQUENCY CH15-V 477. 2400
469.7400 8( 94.7000) 1( 48.7400) -2( 168.3000)
   NOTE: .0399 MHz FROM RECEIVED FREQUENCY RC021
414.7901 -5( 94.7000) 1( 48.7400) 2(
                                               469. 7000
   NOTE: .0349 MHz FROM RECEIVED FREQUENCY RC053
                                             419, 7750)
513. 2350 1( 94. 7000) -1( 48. 7400) 1(
                                             414. 8250
   NOTE: .0150 MHz FROM RECEIVED FREQUENCY CH21 V
                                             467, 2750)
185. 7100 -1( 94. 7000) -1( 48. 7400) 2(
                                             513, 2500
   NOTE: . 0500 MHz FROM RECEIVED FREQUENCY CH08+A 185.7600
469.8100 2(   94.7000) -1(   48.7400) 2(
   NOTE: .0399 MHz FROM RECEIVED FREQUENCY RC022 469.8500
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REQ	(MHz)	COMPO	DNENTS					
168	3. 2650	3(	94. 7ตคคว	10	48. 7400)			
								. 5750)
477								
	NOTE:	. 0100	MHZ FROM	PECETUEN	FREQUENCY	-20	419	7750)
414	1. 8499	75	94 7ตตตา	4.C	TREMUENCY	CH15-V		477. 2409
	NOTE:	. 0250	MHT FROM	PERETURN	169. 6250)	-1(	417	6750)
81	. 7499	80	94 70001	- WEGETAED	FREQUENCY 169. 6250)	KC053		414. 8259
	NOTE:	กกรร	MHT EDOM	PECETUEN	167.6250)	-20	168.	3000)
208	7750	40	94 7999	WEDETAED	FREQUENCY	CH05-A		81. 7499
				DECETUED.	169.6250)	10	169.	2250)
190	. 8250	-61	94 7000	MEDETAFO	FREQUENCY	CH12-C		208. 8195
	NOTE:	0045	74. (999)	2.0	169. 6250)	10	419.	7750>
488	8250	. 0070 -76	94 7988	KECETAED	FREQUENCY	CHØ9 C		190, 8295
	NOTE:	0055	74. (000)	-1(	169. 6250)	50	. 467.	2750)
156	. 0750	. 56.55	PAZ FRUM	KECEIVED	FREQUENCY	CH15-C		480, 8195
			プマ. ( 2000)	C .	164 62501	-11	407	2750)
61	9350	. 6399	MHZ FRIM	没有的有工程是否。	EDECHENCH	00047		
- O-T	NOTE.	-1(	94. (000)	-1(	169.6250)	20	164.	
	14015	. 0140	MHZ FROM	RECETUED.	EDEDITERIOR	01103.0		
TO4			アマ・( なめむ /	-1(	169 62501	-21	404	5750)
	14016.	Teec	THE FRUM	RECETVED	EBEDHENCH	DCGE4		164. 1256
211		-31	94. (1999)	-20	169 69501	31	445	
	MOIE:	. ชวชช	MHZ FROM	RECETVED	ERFOLISHOU	CH47 11		211. 2509
456	. 9230	46	74. (0000)	-20	169 62501	4 /	44.5	2750)
	MOIE:	. שטכש	MHZ FROM	RECETVEN	EPENHENCH	00040		456, 7756
153	. acab .	-16	94. 7000)	-10	40 4000 N	4.	44-	6750)
	MOIE	UI DU	MHZ FROM	RECEIVED	FREQUENCY	RCGGG	74.1.	153. 8988
477	. 6000 .	-c \	74. (6999)	E C 1	E9 1000)	21	4 . 4	2000
	NOTE:	. 0400	MHz FROM	RECEIVED	FREQUENCY	PH15-0	104.	477. 2408
65	. ๑๒๒๒	50	94. 7000)	-2° 1	69 1000)	-40		
	NOTE:	. 0400	MHz FROM	RECEIVED	FREQUENCY	CHGZ+O	104.	C8 3472
61.		<u> </u>	74. (OOO)	-1( 1	69 1000	.1 /	440	
	MID (F:	0150	MHZ FROM	RECETUEN	EREQUENCU	CHOTAL		7750)
155.	1	4	74. (NNN 1	-1(	60 4000x	4 0		51. 2688
	NOTE:	. 0050	MHZ FROM	RECETUEN	FREQUENCY	ECG40	417.	
162.	8750 -	-5<	94. 7000)	10 2	69. 1000)	KLDID		155. 9700
	NOTE:	. 0500	MHz FROM	RECETVED	ERECUENCU	10		
184.	8750	24	94. 70001	-46 4	.69. 1000)	KC13		162. 9250
	NOTE:	. 0355	MHZ FROM	AN 1	FREQUENCY	1(	164.	
187.	2750 -	-6(	94 70001	WESETAER.	FREQUENCY .69. 1000)	CHB8+C		184. 8395
	NOTE:	์ ดอรด	MH- EDUM	e. I	. T. 1000)	10	417.	2750)
481	7501 -	. J	OF TRUE	MEDETAFO.	FREQUENCY	CH09 V		187. 2500
	NOTE:	01.01	THE COOK	25 4 05057::	17. 6750)	-1(	164.	2000)
61	2500	EC OTOT	OUZ EKUM	KECEIVED	FREQUENCY	CH15-A		481. 7401
~~.	MOTE.	84.88	74. (888)	-2( 4	17.6750) FREQUENCY	20	164	2000)
	14015	. erree	MHZ FRUM :	RECEIVED	ERECHENCO	CUG フェロー		64 3633

FREQ (MHz) COMPONENTS	
FREQ (MHz) COMPONENTS	
그리지 않는데 하는데 그들은 그들은 이번에 되었다. 그는 아이들은 아이들은 아이들은 아이들은 아이들은 아이들은 아이들은 아이들은	
155.9499 7( 94.7000) -2( 417.6750) 2( 164.2000)	
164. 1499 7( 94 ZDDD: 155 9700	
NOTE: . 0249 MHZ FROM RECETUES 417. 6750) 2( 168. 3000)	
187. 3000 2( 94. 7000) 1( 417. 6750) -1( 419. 7750)	
48. 4000 -3( 94. 7000) 1( 164. 2000) 1( 168. 3000)	
NOTE: . 0200 MHz FROM RECETUED EDECUTED 1 ( 168. 3000)	
481.7000 5( 94.7000) -2( 164.2000) 2( 168.3000)	
THE PROPERTY OF THE PROPERTY O	
469. 4000 5( 94. 7000) 1( 164. 2000) -1( 168. 3000)	
NOTE: .0000 MHz FROM RECEIVED FREQUENCY RC019 469.4000	
196.8500 -5( 94.7000) -1( 164.2000) 2( 417.2750)	
NOTE: .0305 MHz FROM RECEIVED FREQUENCY CH10-C 196.8195	
155.5500 -9( 94.7000) 1( 168.3000) 2( 419.7750)	
NOTE: .0150 MHz FROM RECEIVED FREQUENCY RC011 155.5350	
NOTE: . 0001 MHz FROM PECETUES 58. 3000) 2( 419. 7750)	
197, 7501 -50 PA TOOM RECEIVED FREQUENCY CH21 V 517 2500	
NOTE: 0101 MHT 500M 0511 168.3000) 2( 419.7750)	
NOTE: .0101 MHz FROM RECEIVED FREQUENCY CH10-A 197.7400 408.2500 -1( 94.7000) -2( 168.3000) 2( 419.7750)	
NOTE: . 0500 MH+ FROM DECEMBER 168. 3000) 2( 419. 7750)	
408.5500 -2( 94.7000) -2( 168.3000) 2( 467.2750)	
TOTAL THE COUNTY RELECTIVELY CONTROL S	
414.7750 3( 94.7000) -2( 168.3000) 1( 467.2750)	
" - " - " - " - " - " - " - " - " - " -	
48. 4250 9( 94. 7000) -2( 168. 3000) -1( 467.2750)	
AS THE HAZ FRUM RECEIVED FREQUENCY DOOR	
48.7750 -3( 94.7000) 1( 168.3000) 1( 164.5750)	
100 COLOR TOUR RELEIVED FREDHENCU DOOLS	
NOTE: .0305 MHz FROM RECETUED EDECUTION (C047) 48.7400	
477 2250 E. ADC GARAGE FREQUENCY CHIGHT	
NOTE: 0150 MU 5000) 1( 168.3000) -1( 164.5750)	
NOTE: .0150 MHz FROM RECEIVED FREQUENCY CH15-V 477.2400	
NOTE: .0350 MHz FROM RECETUS: 2000) -10 417.2400	
164, 9500 76 THE FROM RECEIVED FREQUENCY ROOMS 75 12 13	
196, 8250 -3( 24 7000 RECEIVED FREQUENCY RC014 164 9775	
NOTE: .0055 MHz FROM RECEIVED FREQUENCY CH10-C 196,8195	
215.8000 9( 94.7000) -1( 169.2250) -1( 457.3750)	
NOTE: . 0500 MHZ EROM 2005111 169, 2250) -1( 467, 2750)	
408.3250 -1( 94.7000) 2( 169.2250) 1( 164.8750)	
NOTE: . 0251 MHz FROM RECETVED EDECUTION 1( 164. 5750)	
408. 3000	
Ellis & Wieha, P C	-

## INTERMODULATION STUDY

FREQ (MHz)	COMPONENTS		
. NOTE: 205. 2750 3 NOTE: 414. 8499 7 NOTE: 65. 8000 -2 NOTE: 469. 4250 4 NOTE:	. 0250 MHz FROM RECEIVED FREQUENCY 94.7000) 2( 169.2250) . 0350 MHz FROM RECEIVED FREQUENCY 94.7000) 1( 169.2250) . 0250 MHz FROM RECEIVED FREQUENCY (94.7000) 1( 419.7750) . 0400 MHz FROM RECEIVED FREQUENCY (94.7000) 1( 419.7750) . 0450 MHz FROM RECEIVED FREQUENCY (94.7000) 1( 419.7750)	RC017 -1( 417.6 CH12-V 6 -1( 417.6 RC053 4 -1( 164.5 CH03+A	408.3000 2750) 205.2400 2750) 414.8250 1750) 65.7600
FND DE CTUBU.	: (1) () [2] - [2] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4] - [4		

END OF STUDY; 621 RESULTANTS PRINTED

PROPOSED FM
Mohave Sun Broadcasting
94.7 MHz CHANNEL 234 C
Kingman, Arizona
February 1985

EXHIBIT 400 Page 1 of 1

# TABULATION OF POPULATION AND AREAS

## AREAS

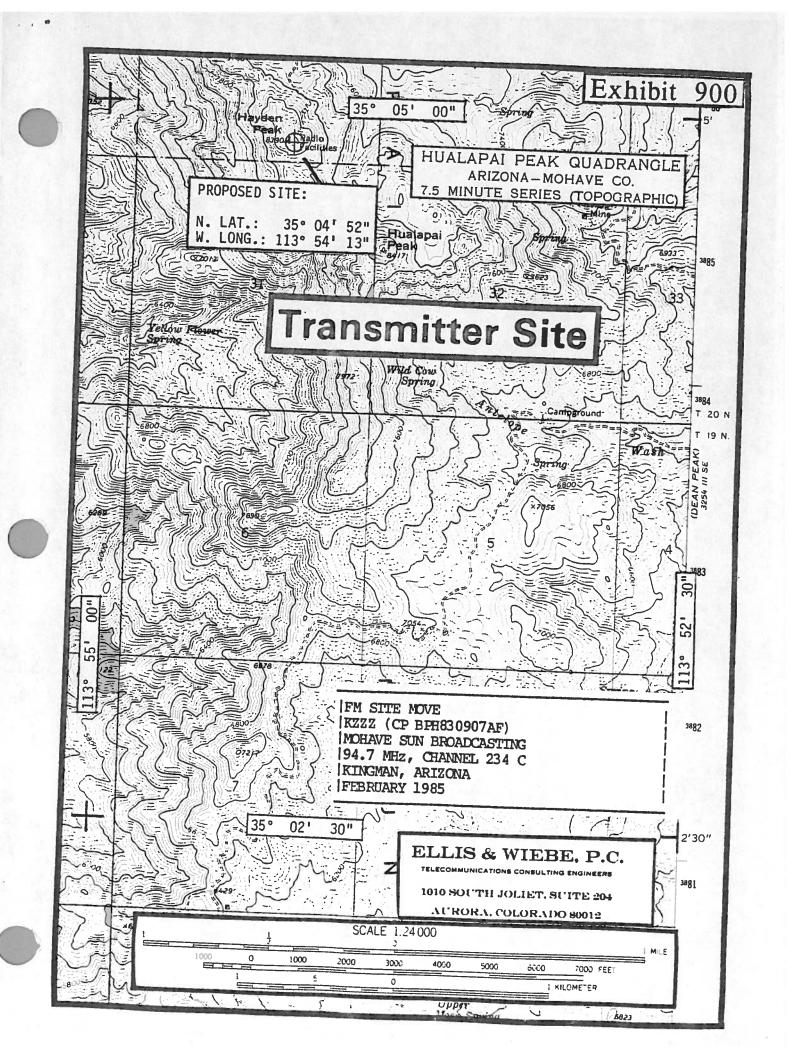
All circular areas were computed by the use of formula. Other areas were measured by means of a K&E Compensating Polar Planimeter.

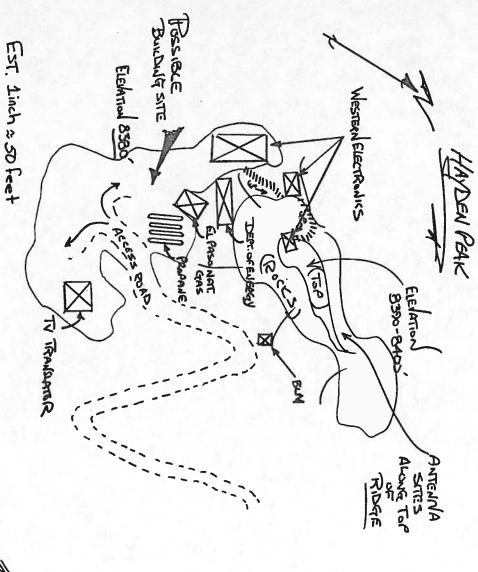
#### **POPULATIONS**

The population data were derived from the latest available (1980) U.S. census, report PC80-1-A, "Number of Inhabitants". The contours were plotted on the census maps and the population of the divisions within each contour was totalled. In cases where only a part of a division fell within a contour, a uniform population distribution within the division was assumed.

The following table summarizes the population and areas included in the proposed coverage contours:

CONTOUR	POPULATION	AREA
70 dBu (3.16 mV/m)	F 204	(sq. mi.)
60 dBu (1.00 mV/m)	5,324	10,225
00 dbd (1.00 mV/m)	31,112	60,140





FM SITE NOVE
INZEZ (CP BHEBOOOTAF)
INCHAVE SUN BROADCASTING
194.7 MHz, CHANNEL 234 C
IKINGMAN, ARIZONA
FEBRUARY 1985

SKETCH SUPPLIED BY B.L.M.

ELLIS & WIEBE, P.C.

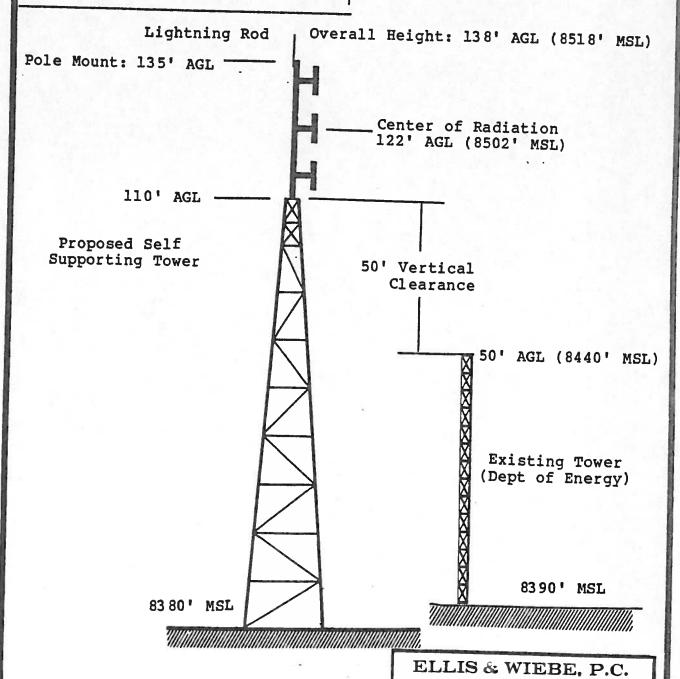
TELECOMMUNICATIONS CONSULTING ENGINEERS
1010 SOUTH JOLIET, SUITE 204
AURORA, COLORADO 80012

Marke

# Vertical Tower Diagram

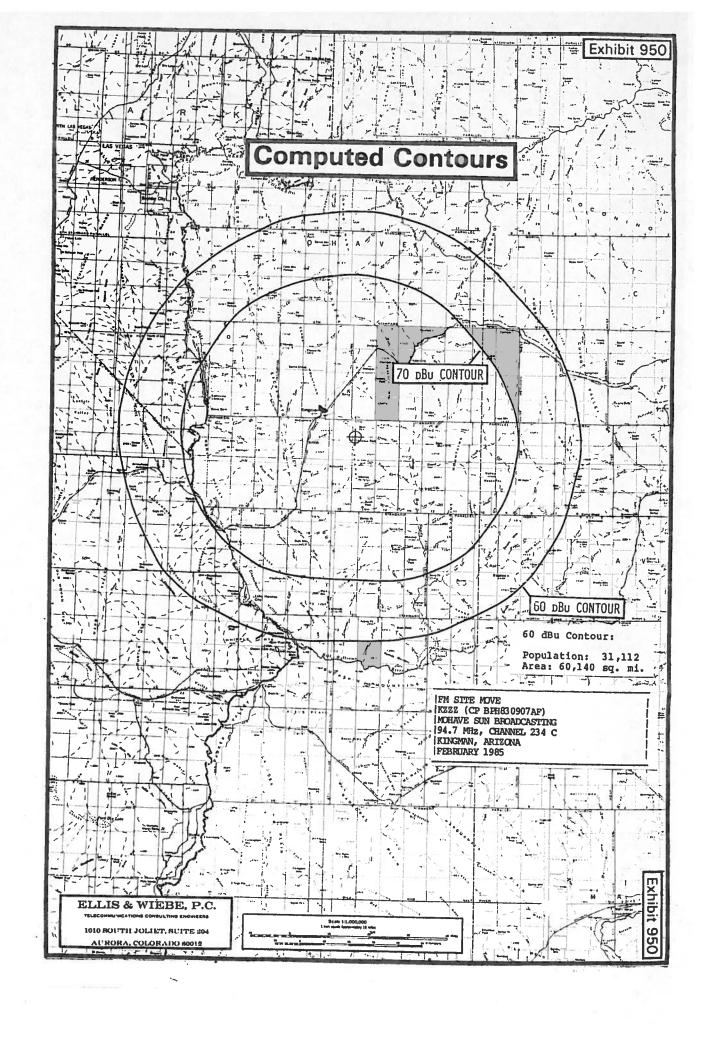
FM SITE MOVE
|KZZZ (CP BPH830907AF)
|MOHAVE SUN BROADCASTING
|94.7 MHz, CHANNEL 234 C
|KINGMAN, ARIZONA
|FEBRUARY 1985

Not to Scale



TELECOMMUNICATIONS CONSULTING ENGINEERS

1010 SOUTH JOLIET, SUITE 204 AURORA, COLORADO 80012



) ss:

Larry D. Ellis, being duly sworn states:

That he is the president and principal engineer of the firm of Ellis & Wiebe P. C., Telecommunications Consulting Engineers, Aurora, Colorado, with offices located at 1010 South Joliet, Suite 204, Aurora, Colorado 80012.

That he has had experience in direct engineering consultation, design, and field engineering with a broad scope of electronic communications facilities including AM, FM, and television broadcast and microwave since 1971. That he is an experienced telecommunications consulting engineer whose qualifications are a matter of record with the Federal Communications Commission of the United States Government. That he has prepared many petitions for rulemakings and applications for construction permits which have been filed with and granted by the Federal Communications Commission. That he has also performed many economic feasibility studies on existing and proposed broadcast properties and many construction cost estimates on communications and broadcast construction projects.

That he holds a Bachelor of Science in Electrical Engineering from the University of Oklahoma conferred in 1970.

That he is a registered Professional Engineer in the states of Colorado and Oklahoma. That he is member of the Association of Federal Communications Consulting Engineers

That the calculations and/or measurements and exhibits herein were made by him personally or under his direction, and that all facts contained herein are true of his own personal knowledge and/or belief.

Larry D. Elli	s, P. E.					
Subscribed	and swe	orn before	mе	this	dav	o f
Subscribed and sworn before me					day	01

Notary Public
Date of commission expiration:

840210

) ss:

Michael Wiebe, being duly sworn states:

That he is a principal engineer in the firm of Ellis & Wiebe, P. C., Telecommunications Consulting Engineers, with offices located at 1010 South Joliet, Suite 204, Aurora, Colorado 80012.

That he holds a First Class Radiotelephone operator license issued by the Federal Communications Commission.

That he holds the degree of Bachelor of Science in Electrical Engineering from Texas A&M University conferred in 1971.

That he has experience in direct engineering consultation, design, and field engineering with a broad scope of electronic communications facilities including AM, FM, and television broadcast and microwave since 1979. That he is an experienced telecommunications consulting engineer whose qualifications are a matter of record with the Federal Communications Commission of the United States Government. That he has prepared many petitions for rulemakings and applications for construction permits which have been filed with and granted by the Federal Communications Commission. That he has also performed many economic feasibility studies on existing and proposed broadcast properties and many construction cost estimates on communications and broadcast construction projects.

That he is a registered Professional Engineer in the state of Colorado.

That the calculations and/or measurements and exhibits herein were made by him personally or under his direction, and that all facts contained herein are true of his own personal knowledge and/or belief.

Michael Wiebe, P.E.

Subscribed and sworn before me this \_\_\_\_ day of

Notary Public Date of commission expiration:

840418