PAGE NO. 6 of 36.

NAME OF TEST: Carrier Output Power (Conducted)

SPECIFICATION: 47 CFR 2.1046(a)

GUIDE: ANSI/TIA/EIA-603-1992, Paragraph 2.2.1

TEST EQUIPMENT: As per attached page

MEASUREMENT PROCEDURE

1. The EUT was connected to a resistive coaxial attenuator of normal load impedance, and the unmodulated output power was measured by means of an R. F. Power Meter.

2. Measurement accuracy is ±3%.

MEASUREMENT RESULTS
(Worst case)

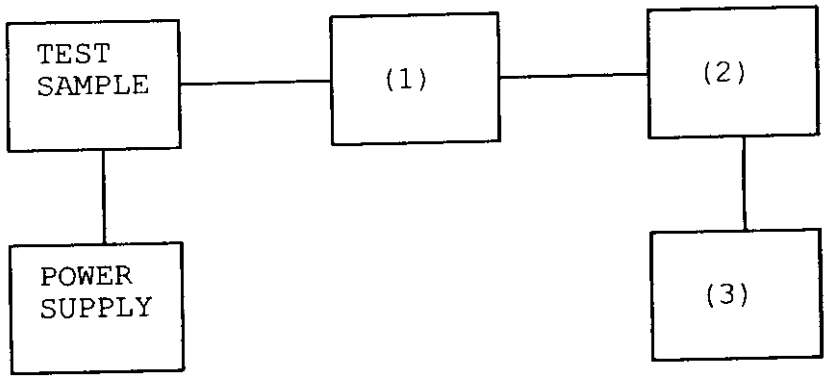
FREQUENCY OF CARRIER, MHz = 160.1, 146.1, 173.9

POWER SETTING	R. F. POWER, WATTS
High	25

SUPERVISED BY: Morton Flom, P. Eng.

TRANSMITTER POWER CONDUCTED MEASUREMENTS

TEST 1: R. F. POWER OUTPUT
TEST 2: FREQUENCY STABILITY



	Asset	Description	s/n
(1)		COAXIAL ATTENUATOR	
___	i00122	Narda 766-10	7802
___	i00123	Narda 766-10	7802A
___	i00069	Bird 8329 (30 dB)	1006
x	i00113	Sierra 661A-3D	1059
(2)		POWER METERS	
___	i00014	HP 435A	1733A05836
x	i00039	HP 436A	2709A26776
x	i00020	HP 8901A POWER MODE	2105A01087
(3)		FREQUENCY COUNTER	
___	i00042	HP 5383A	1628A00959
x	i00019	HP 5334B	2704A00347
x	i00020	HP 8901A FREQUENCY MODE	2105A01087

PAGE NO. 8 of 36.

NAME OF TEST: Unwanted Emissions (Transmitter Conducted)

SPECIFICATION: 47 CFR 2.1051

GUIDE: ANSI/TIA/EIA-603-1992, Paragraph 2.2.13

TEST EQUIPMENT: As per attached page

MEASUREMENT PROCEDURE

1. The emissions were measured for the worst case as follows:
   (a): within a band of frequencies defined by the carrier frequency plus and minus one channel.
   (b): from the lowest frequency generated in the EUT and to at least the 10th harmonic of the carrier frequency, or 40 GHz, whichever is lower.

2. The magnitude of spurious emissions that are attenuated more than 20 dB below the permissible value need not be specified.

3. MEASUREMENT RESULTS: ATTACHED FOR WORST CASE

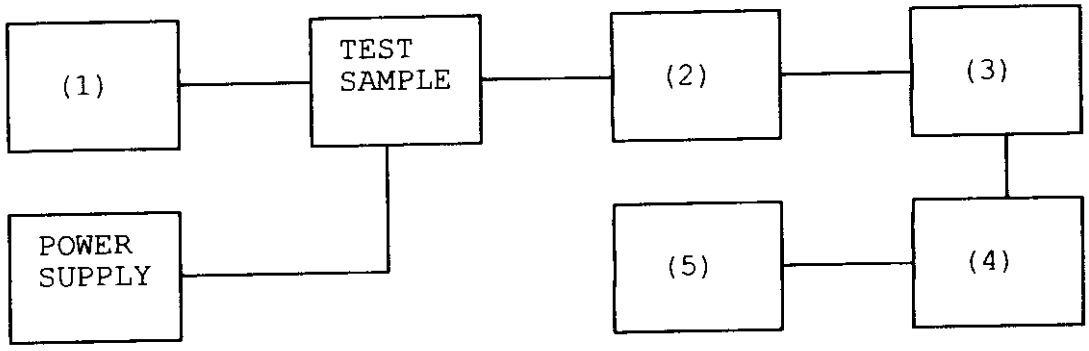
FREQUENCY OF CARRIER, MHz	=	160.1, 146.1, 173.9
SPECTRUM SEARCHED, GHz	=	0 to 10 x F_C
MAXIMUM RESPONSE, Hz	=	3160
ALL OTHER EMISSIONS	=	≥ 20 dB BELOW LIMIT
LIMIT(S), dBc -(43+10xLOG P)	=	-57 (25 Watts)

SUPERVISED BY: Morton Flom, P. Eng.

PAGE NO. 9 of 36.

TRANSMITTER SPURIOUS EMISSION

TEST A. OCCUPIED BANDWIDTH (IN-BAND SPURIOUS)
TEST B. OUT-OF-BAND SPURIOUS



	Asset	Description	s/n
		(1) AUDIO OSCILLATOR/GENERATOR	
	i00010	HP 204D	1105A04683
	i00017	HP 8903A	2216A01753
x	i00012	HP 3312A	1432A11250
		(2) COAXIAL ATTENUATOR	
	i00122	Narda 766-10	7802
	i00123	Narda 766-10	7802A
x	i00069	Bird 8329 (30 dB)	1006
x	i00113	Sierra 661A-3D	1059
		(3) FILTERS; NOTCH, HP, LP, BP	
x	i00126	Eagle TNF-1	100-250
x	i00125	Eagle TNF-1	50-60
x	i00124	Eagle TNF-1	250-850
		(4) SPECTRUM ANALYZER	
x	i00048	HP 8566B	2511A01467
	i00029	HP 8563E	3213A00104
		(5) SCOPE	
	i00058	HP 1741A	2251A09356
	i00030	HP 54502A	2927A00209
	i00071	Tektronix 935	1935-B011343

PAGE NO. 10 of 36.

NAME OF TEST: Unwanted Emissions (Transmitter Conducted)
g98b0449: 1998-Nov-16 Mon 08:54:00
STATE: 2:High Power

FREQUENCY TUNED, MHz	FREQUENCY EMISSION, MHz	LEVEL, dBm	LEVEL, dBc	MARGIN, dB
160.100000	320.208000	-21.9	-65.8	-8.9
160.100000	480.437000	-24.1	-68	-11.1
160.100000	640.435000	-23.7	-67.6	-10.7
160.100000	800.690000	-23.4	-67.3	-10.4
160.100000	960.402000	-22.4	-66.3	-9.4
160.100000	1120.691000	-23.2	-67.1	-10.2
160.100000	1280.557000	-23.2	-67.1	-10.2
160.100000	1440.996000	-23	-66.9	-10
160.100000	1601.127000	-23	-66.9	-10
160.100000	1760.893000	-22.2	-66.1	-9.2
160.100000	1920.936000	-21.7	-65.6	-8.7
160.100000	2081.323000	-22.6	-66.5	-9.6
160.100000	2241.716000	-21.8	-65.7	-8.8
160.100000	2401.632000	-21.3	-65.2	-8.3

PAGE NO. 11 of 36.

NAME OF TEST: Field Strength of Spurious Radiation

SPECIFICATION: 47 CFR 2.1053(a)

GUIDE: ANSI/TIA/EIA-603-1992, Paragraph 2.2.12

TEST EQUIPMENT: As per attached page

MEASUREMENT PROCEDURE

1. A description of the measurement facilities was filed with the FCC and was found to be in compliance with the requirements of Section 15.38, by letter from the FCC dated March 3, 1997, FILE 31040/SIT. All pertinent changes will be reported to the Commission by up-date prior to March 2000.

2. At first, in order to locate all spurious frequencies and approximate amplitudes, and to determine proper equipment functioning, the test sample was set up at a distance of three meters from the test instrument. Valid spurious signals were determined by switching the power on and off.

3. In the field, the test sample was placed on a wooden turntable above ground at three (or thirty) meters away from the search antenna. Excess power leads were coiled near the power supply.

   The cables were oriented in order to obtain the maximum response. At each emission frequency, the turntable was rotated and the search antennas were raised and lowered vertically.

4. The emission was observed with both a vertically polarized and a horizontally polarized search antenna and the worst case was used.

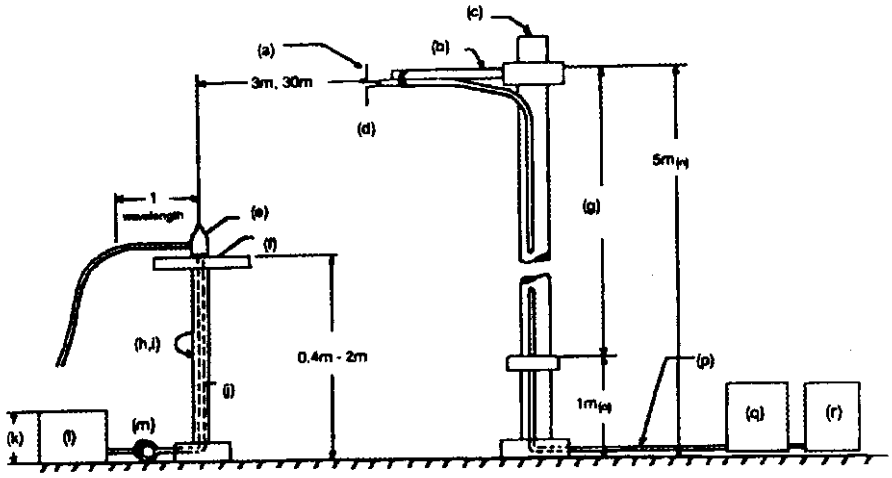
6. The field strength of each emission within 20 dB of the limit was recorded and corrected with the appropriate cable and transducer factors.

7. The worst case for all channels is shown.

8. Measurement results: ATTACHED FOR WORST CASE

PAGE NO. 12 of 36.

RADIATED TEST SETUP



NOTES:

(a) Search Antenna - Rotatable on boom
(b) Non-metallic boom
(c) Non-metallic mast
(d) Adjustable horizontally
(e) Equipment Under Test
(f) Turntable
(g) Boom adjustable in height.
(h) External control cables routed horizontally at least one wavelength.
(i) Rotatable
(j) Cables routed through hollow turntable center
(k) 30 cm or less
(l) External power source
(m) 10 cm diameter coil of excess cable
(n) 25 cm (V), 1 m-7 m (V, H)
(o) 25 cm from bottom end of 'V', 1m normally
(p) Calibrated Cable at least 10m in length
(q) Amplifier (optional)
(r) Spectrum Analyzer

	Asset	Description	s/n	Cycle (Per ANSI C63.4-1992, 10.1.4)	Last Cal
TRANSDUCER					
___	i00065	EMCO 3109B 100Hz-50MHz	2336	12 mo.	
___	i00033	Singer 94593-1 10kHz-32MHz	0219	12 mo.	
x	i00088	EMCO 3109-B 25MHz-300MHz	2336	12 mo.	Oct-98
x	i00089	Aprel 2001 200MHz-1GHz	001500	12 mo.	Oct-98
x	i00103	EMCO 3115 1GHz-18GHz	9208-3925	12 mo.	Oct-98
___	i00085	EMCO 3116 10GHz-40GHz	2076	12 mo.	
AMPLIFIER					
___	i00028	HP 8449A	2749A00121	12 mo.	Mar-98
SPECTRUM ANALYZER					
___	i00029	HP 8563E	3213A00104	12 mo.	
x	i00033	HP 85462A	3625A00357	12 mo.	Dec-97
___	i00048	HP 8566B	2511AD1467	6 mo.	Mar-98

PAGE NO. 13 of 36.

NAME OF TEST: Field Strength of Spurious Radiation

ALL OTHER EMISSIONS = ≥ 20 dB BELOW LIMIT

EMISSION, MHz/HARMONIC	SPURIOUS LEVEL, dBc
2nd to 10th	<-65

SUPERVISED BY: Morton Flom, P. Eng.

PAGE NO.	14 of 36.
NAME OF TEST:	Emission Masks (Occupied Bandwidth)
SPECIFICATION:	47 CFR 2.1049(c)(1)
GUIDE:	ANSI/TIA/EIA-603-1992, Paragraph 2.2.11
TEST EQUIPMENT:	As per previous page

MEASUREMENT PROCEDURE

1. The EUT and test equipment were set up as shown on the following page, with the Spectrum Analyzer connected.

2. For EUTs supporting audio modulation, the audio signal generator was adjusted to the frequency of maximum response and with output level set for ±2.5 kHz deviation (or 50% modulation). With level constant, the signal level was increased 16 dB.

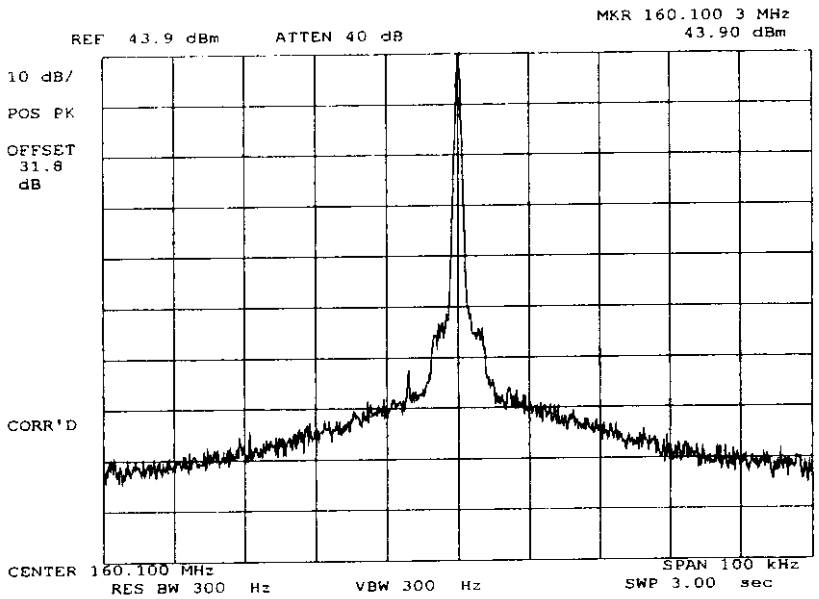
3. For EUTs supporting digital modulation, the digital modulation mode was operated to its maximum extent.

4. The Occupied Bandwidth was measured with the Spectrum Analyzer controls set as shown on the test results.

5. MEASUREMENT RESULTS: ATTACHED

PAGE NO. 15 of 36.

NAME OF TEST: Emission Masks (Occupied Bandwidth)
g98b0446: 1998-Nov-16 Mon 08:43:00
STATE: 2:High Power

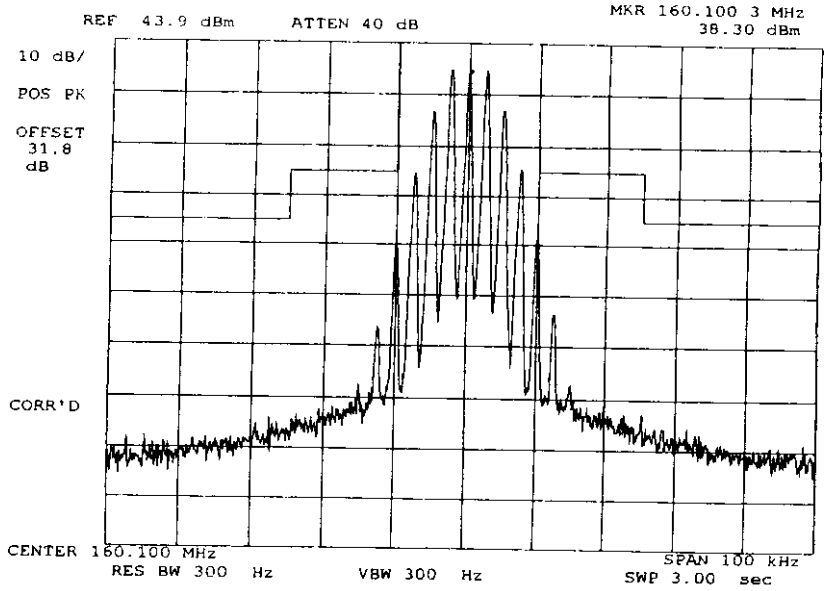


POWER: HIGH
MODULATION: NONE

SUPERVISED BY: Morton Flom, P. Eng.

PAGE NO. 16 of 36.

NAME OF TEST: Emission Masks (Occupied Bandwidth)
g98b0447: 1998-Nov-16 Mon 08:46:00
STATE: 2:High Power

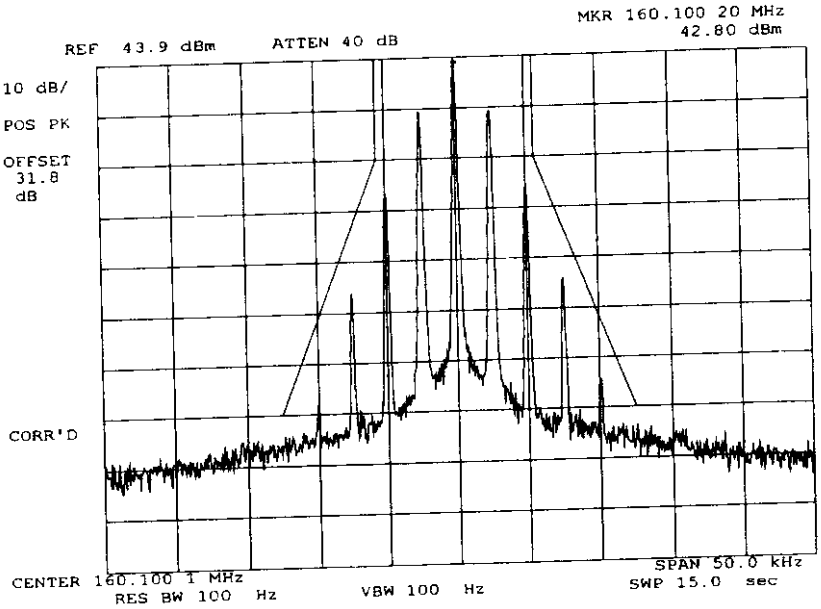


POWER: HIGH
MODULATION: VOICE: 2500 Hz SINE WAVE
MASK: B, VHF/UHF 25kHz, w/LPF

SUPERVISED BY: Morton Flom, P. Eng.

PAGE NO. 17 of 36.

NAME OF TEST: Emission Masks (Occupied Bandwidth)
g98b0448: 1998-Nov-16 Mon 08:49:00
STATE: 2:High Power



POWER: HIGH
MODULATION: VOICE: 2500 Hz SINE WAVE
MASK: D, VHF/UHF 12.5kHz BW

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PAGE NO. 18 of 36.

NAME OF TEST: Transient Frequency Behavior

SPECIFICATION: 47 CFR 90.214

GUIDE: ANSI/TIA/EIA-603-1992, Paragraph 2.2.19

TEST EQUIPMENT: As per attached page

MEASUREMENT PROCEDURE

1. The EUT was setup as shown on the attached page, following TIA/EIA-603 steps a, b, and c as a *guide*.

2. The transmitter was turned on.

3. Sufficient attenuation was provided so that the transmitter carrier level measured at the output of the combiner was 40 dB below the maximum input level of the test receiver. This level was recorded as step f.

4. The transmitter was turned off.

5. An RF signal generator (1) modulated with a 1 kHz tone at either 25, 12.5, or 6.25 kHz deviation, and set to the same frequency as the assigned transmitter frequency, (2) was adjusted to a level -20 dB below the level recorded for step f, as measured at the output of the combiner. This level was then fixed for the remainder of the test and is recorded at step h.

6. The oscilloscope was setup using TIA/EIA-603 steps j and k as a guide, and to either 10 ms/div (UHF) or 5 ms/div (VHF).

7. The 30 dB attenuator was removed, the transmitter was turned on, and the level of the carrier at the output of the combiner was recorded as step l.

8. The carrier on-time as referenced in TIA/EIA-603 steps m, n, and o was captured and plotted. The carrier off-time as referenced in TIA/EIA-603 steps p, q, r, and s was captured and plotted.

LEVELS MEASURED:

step f, dBm	=	-7.1
step h, dBm	=	-29.9
step l, dBm	=	21.2

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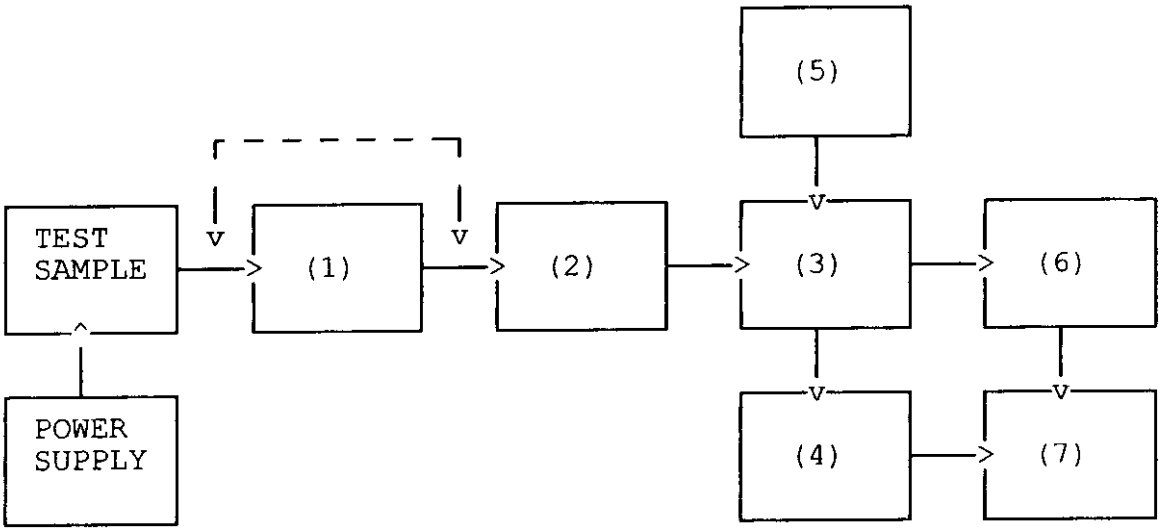
PAGE NO. 19 of 36.

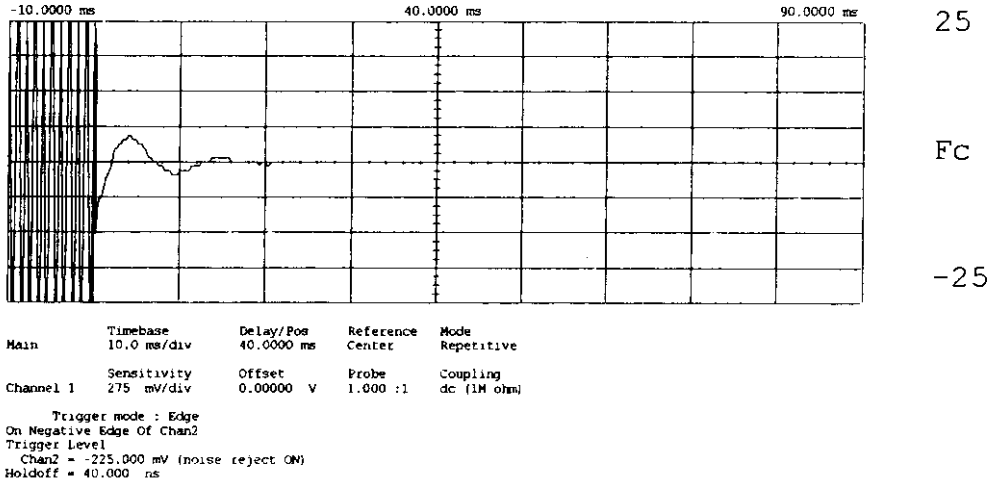
TRANSIENT FREQUENCY BEHAVIOR



	Asset	Description	s/n
(1)	ATTENUATOR (Removed after 1st step)		
x	i00112	Philco 30 dB	989
(2)	ATTENUATOR		
	i00112	Philco 30 dB	989
	i00172	Bird 30 dB	989
x	i00122	Narda 10 dB	7802
	i00123	Narda 10 dB	7802A
	i00110	Kay Variable	145-387
(3)	COMBINER		
x	i00154	4 x 25 Ω COMBINER	154
(4)	CRYSTAL DETECTOR		
x	i00159	HP 8470B	1822A10054
(5)	RF SIGNAL GENERATOR		
	i00018	HP 8656A	2228A03472
	i00031	HP 8656A	2402A06180
x	i00067	HP 8920A	3345U01242
(6)	MODULATION ANALYZER		
x	i00020	HP 8901A	2105A01087
(7)	SCOPE		
x	i00030	HP 54502A	2927A00209

PAGE NO. 20 of 36.

NAME OF TEST: Transient Frequency Behavior
g98b0450: 1998-Nov-16 Mon 09:42:00
STATE: 0:General

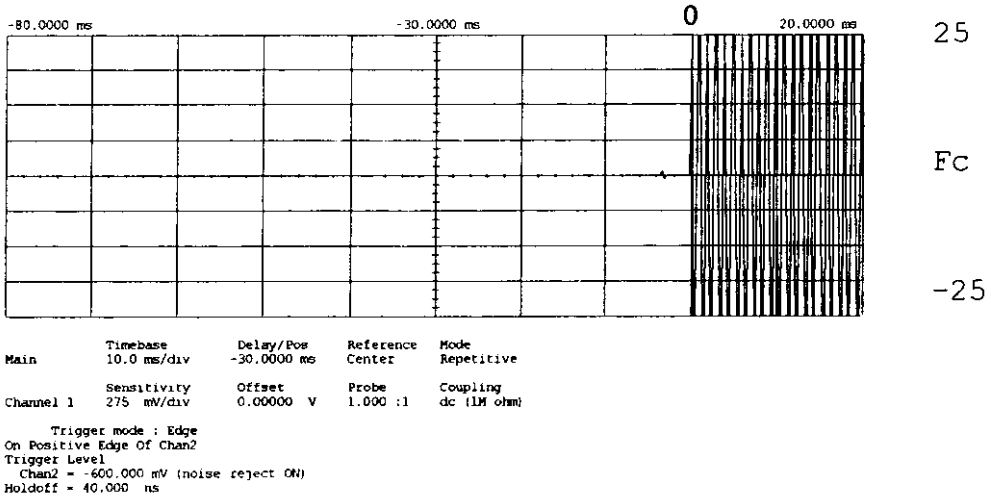


POWER: n/a
MODULATION: Ref Gen=25 kHz Deviation
DESCRIPTION: CARRIER ON TIME

SUPERVISED BY: Morton Flom, P. Eng.

PAGE NO. 21 of 36.

NAME OF TEST: Transient Frequency Behavior
g98b0451: 1998-Nov-16 Mon 09:44:00
STATE: 0:General

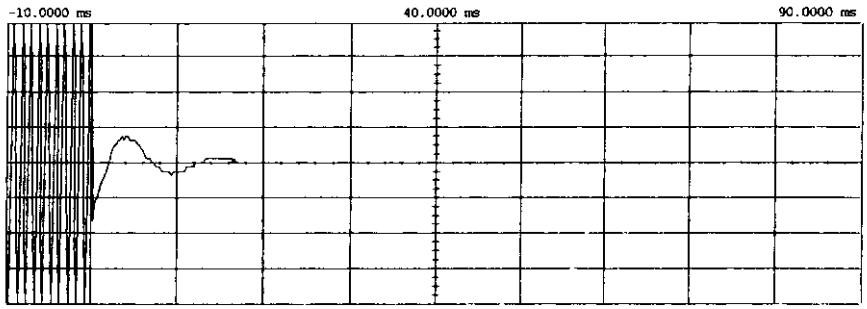


POWER: n/a
MODULATION: Ref Gen=25 kHz Deviation
DESCRIPTION: CARRIER OFF TIME

SUPERVISED BY: Morton Flom, P. Eng.

PAGE NO. 22 of 36.

NAME OF TEST: Transient Frequency Behavior
g98b0452: 1998-Nov-16 Mon 09:45:00
STATE: 0:General



	Timebase	Delay/Pos	Reference	Mode
Main	10.0 ms/div	40.0000 ms	Center	Repetitive
	Sensitivity	Offset	Probe	Coupling
Channel 1	275 mV/div	0.00000 V	1.000 :1	dc (1M ohm)

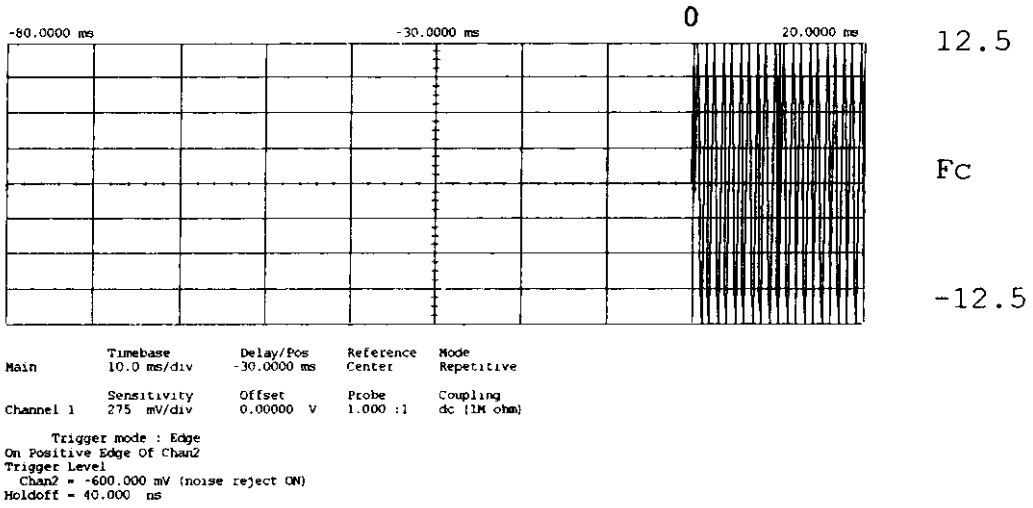
Trigger mode : Edge
On Negative Edge Of Chan2
Trigger Level
Chan2 = -225.000 mV (noise reject ON)
Holdoff = 40.000 ns

POWER: n/a
MODULATION: Ref Gen=12.5 kHz Deviation
DESCRIPTION: CARRIER ON TIME

SUPERVISED BY: Morton Flom, P. Eng.

PAGE NO. 23 of 36.

NAME OF TEST: Transient Frequency Behavior
g98b0453: 1998-Nov-16 Mon 09:48:00
STATE: 0:General



POWER: n/a
MODULATION: Ref Gen=12.5 kHz Deviation
DESCRIPTION: CARRIER OFF TIME

SUPERVISED BY: Morton Flom, P. Eng.

PAGE NO. 24 of 36.

NAME OF TEST: Audio Low Pass Filter (Voice Input)

SPECIFICATION: 47 CFR 2.1047(a)

GUIDE: ANSI/TIA/EIA-603-1992, Paragraph 2.2.15

TEST EQUIPMENT: As per attached page

MEASUREMENT PROCEDURE

1. The EUT and test equipment were set up such that the audio input was connected at the input to the modulation limiter, and the modulated stage.

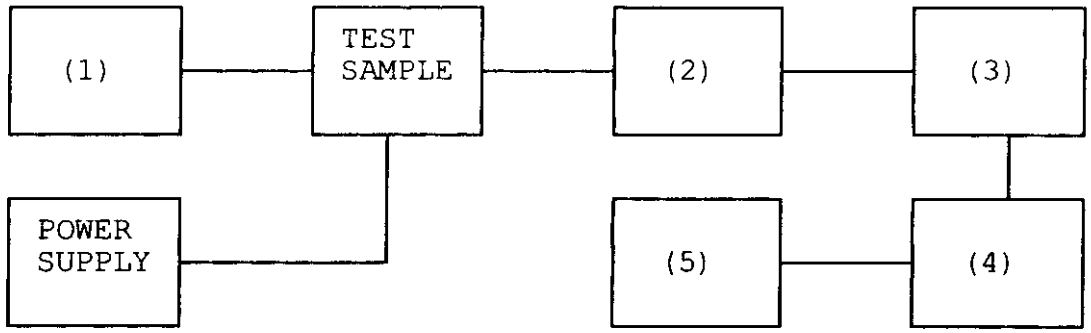
2. The audio output was connected at the output to the modulated stage.

3. MEASUREMENT RESULTS: ATTACHED

PAGE NO. 25 of 36.

TRANSMITTER TEST SET-UP

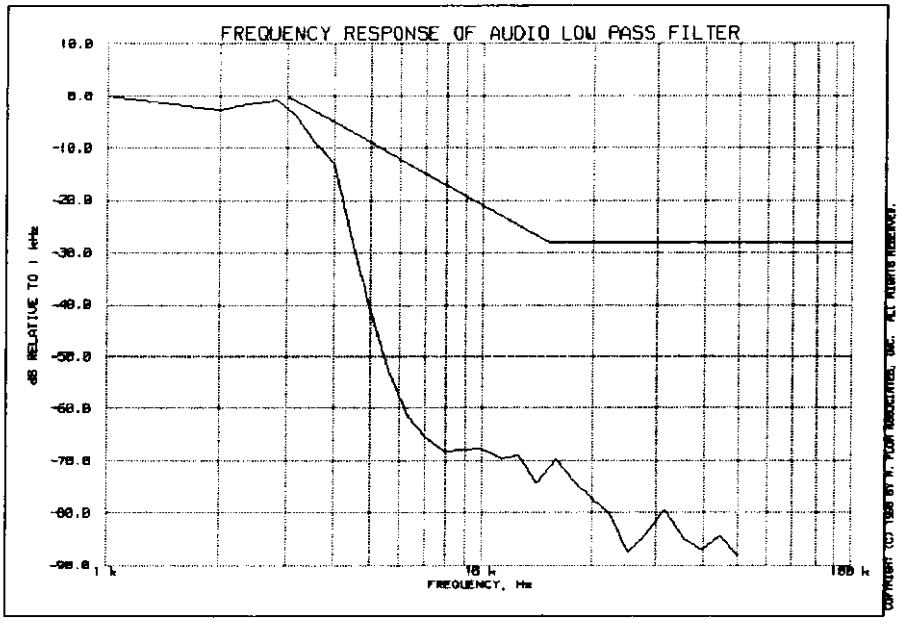
TEST A. MODULATION CAPABILITY/DISTORTION
TEST B. AUDIO FREQUENCY RESPONSE
TEST C. HUM AND NOISE LEVEL
TEST D. RESPONSE OF LOW PASS FILTER
TEST E. MODULATION LIMITING



	Asset	Description	s/n
(1)		LINE IMPEDANCE STABILIZATION NETWORK	
___	i00010	HP 204D	1105A04683
x	i00017	HP 8903A	2216A01753
x	i00118	HP 33120A	US36002064
(2)		COAXIAL ATTENUATOR	
___	i00122	NARDA 766-10	7802
___	i00123	NARDA 766-10	7802A
x	i00113	SIERRA 661A-3D	1059
___	i00069	BIRD 8329 (30 dB)	10066
(3)		MODULATION ANALYZER	
x	i00020	HP 8901A	2105A01087
(4)		AUDIO ANALYZER	
x	i00017	HP 8903A	2216A01753
(5)		SCOPE	
___	i00058	HP 1741A	2215A09356
___	i00071	Tektronix 935	1935-B011343

PAGE NO. 26 of 36.

NAME OF TEST: Audio Low Pass Filter (Voice Input)
g98b0130: 1998-Nov-13 Fri 16:17:00
STATE: 0:General



SUPERVISED BY: Morton Flom, P. Eng.

PAGE NO. 27 of 36.

NAME OF TEST: Audio Frequency Response

SPECIFICATION: 47 CFR 2.1047(a)

GUIDE: ANSI/TIA/EIA-603-1992, Paragraph 2.2.6

TEST EQUIPMENT: As per previous page

MEASUREMENT PROCEDURE

1. The EUT and test equipment were set up as shown on the following page.

2. The audio signal generator was connected to the audio input circuit/microphone of the EUT.

3. The audio signal input was adjusted to obtain 20% modulation at 1 kHz, and this point was taken as the 0 dB reference level.

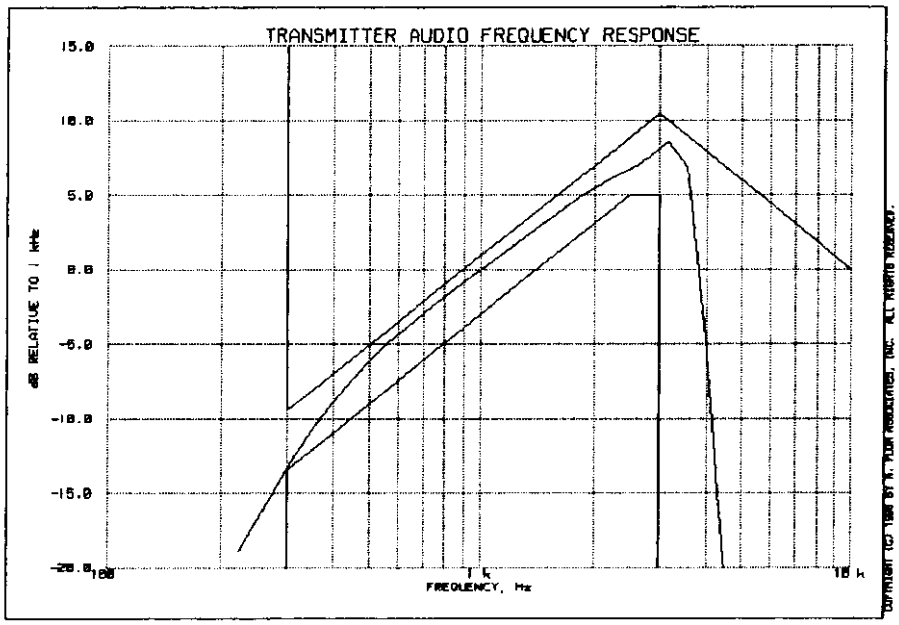
4. With input levels held constant and below limiting at all frequencies, the audio signal generator was varied from 100 Hz to 50 kHz.

5. The response in dB relative to 1 kHz was then measured, using the HP 8901A Modulation Analyzer.

6. MEASUREMENT RESULTS: ATTACHED

PAGE NO. 28 of 36.

NAME OF TEST: Audio Frequency Response
g98b0129: 1998-Nov-13 Fri 16:14:00
STATE: 0:General



Additional points:

FREQUENCY, Hz	LEVEL, dB
300	-13.46
20000	-32.04
30000	-32.81
50000	-32.72

SUPERVISED BY: Morton Flom, P. Eng.

PAGE NO. 29 of 36.

NAME OF TEST: Modulation Limiting

SPECIFICATION: 47 CFR 2.1047(b)

GUIDE: ANSI/TIA/EIA-603-1992, Paragraph 2.2.3

TEST EQUIPMENT: As per previous page

MEASUREMENT PROCEDURE

1. The signal generator was connected to the input of the EUT as for "Frequency Response of the Modulating Circuit."

2. The modulation response was measured for each of three frequencies (one of which was the frequency of maximum response), and the input voltage was varied and was observed on an HP 8901A Modulation Analyzer.

3. The input level was varied from 30% modulation (±1.5 kHz deviation) to at least 20 dB higher than the saturation point.

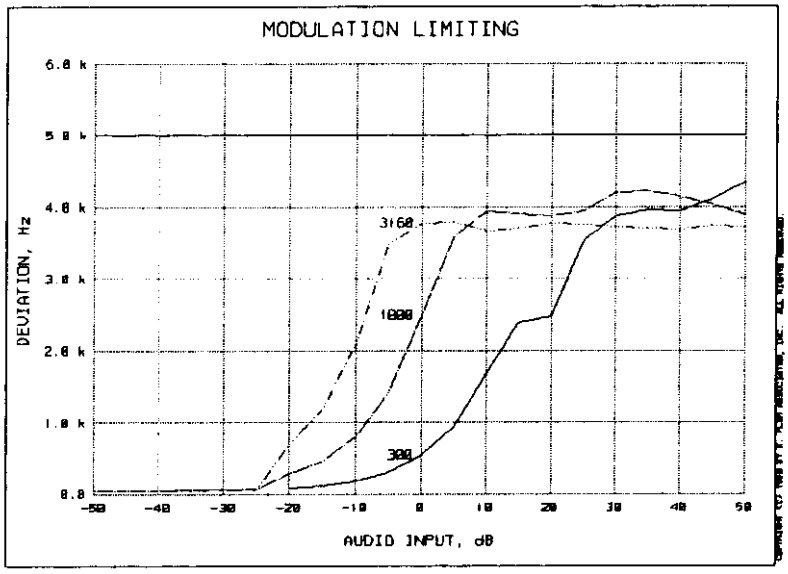
4. Measurements were performed for both negative and positive modulation and the respective results were recorded.

5. MEASUREMENT RESULTS: ATTACHED

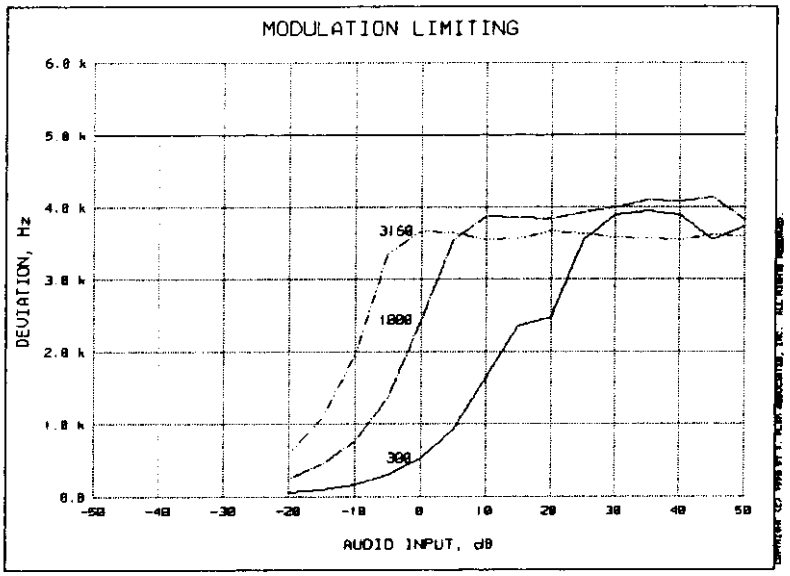
PAGE NO. 30 of 36.

NAME OF TEST: Modulation Limiting
g98b0131: 1998-Nov-13 Fri 16:21:00
STATE: 0:General

Positive Peaks:



Negative Peaks:

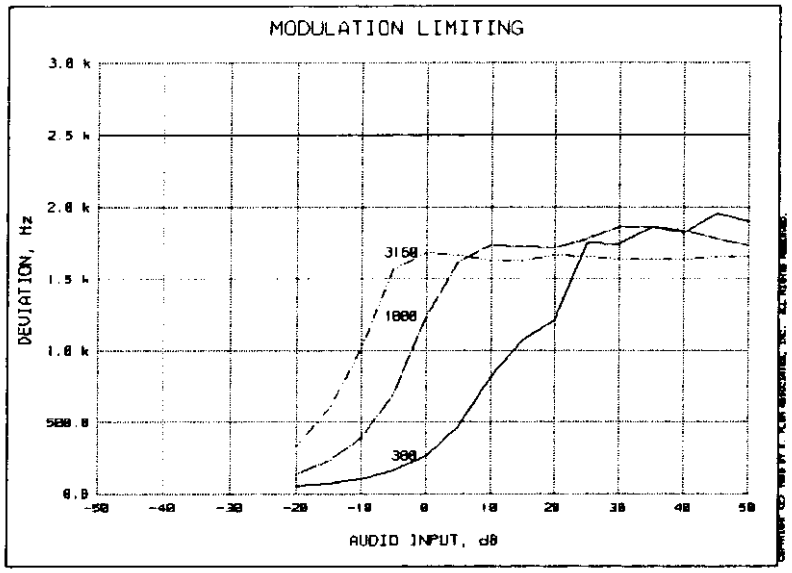


SUPERVISED BY: Morton Flom, P. Eng.

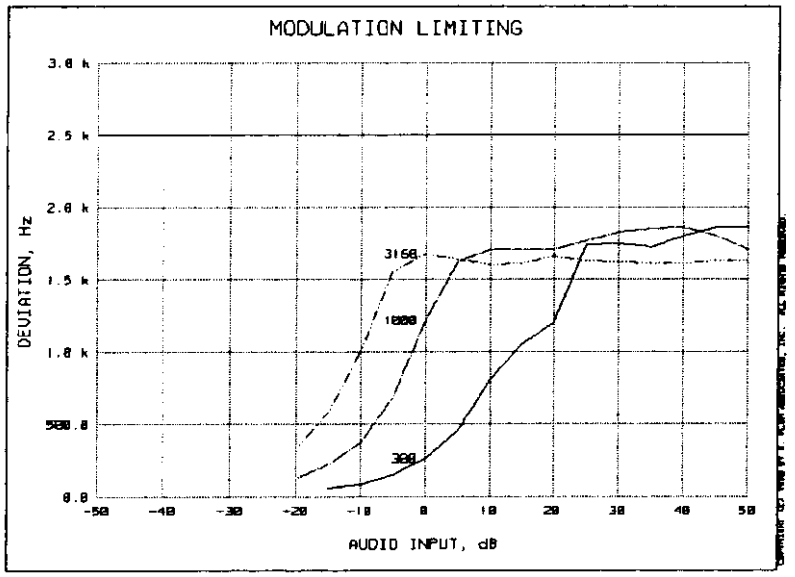
PAGE NO. 31 of 36.

NAME OF TEST: Modulation Limiting
g98b0132: 1998-Nov-13 Fri 16:25:00
STATE: 0:General

Positive Peaks:



Negative Peaks:



SUPERVISED BY: Morton Flom, P. Eng.

PAGE NO. 32 of 36.

NAME OF TEST: Frequency Stability (Temperature Variation)

SPECIFICATION: 47 CFR 2.1055(a)(1)

GUIDE: ANSI/TIA/EIA-603-1992, Paragraph 2.2.2

TEST CONDITIONS: As Indicated

TEST EQUIPMENT: As per previous page

MEASUREMENT PROCEDURE

1. The EUT and test equipment were set up as shown on the following page.

2. With all power removed, the temperature was decreased to -30°C and permitted to stabilize for three hours. Power was applied and the maximum change in frequency was noted within one minute.

3. With power OFF, the temperature was raised in 10°C steps. The sample was permitted to stabilize at each step for at least one-half hour. Power was applied and the maximum frequency change was noted within one minute.

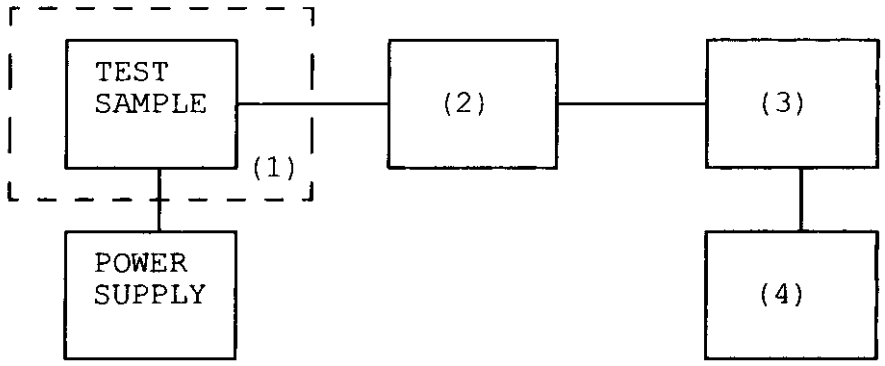
4. The temperature tests were performed for the worst case.

5. MEASUREMENT RESULTS: ATTACHED

PAGE NO. 33 of 36.

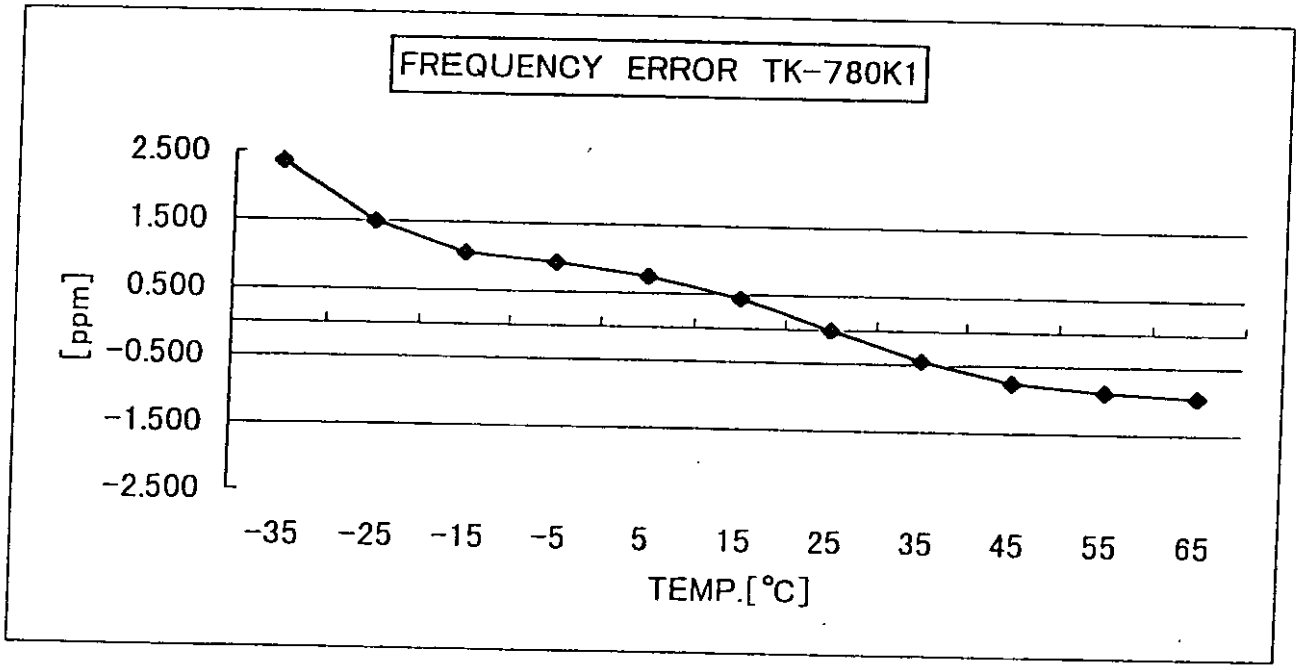
TRANSMITTER TEST SET-UP

TEST A. OPERATIONAL STABILITY
TEST B. CARRIER FREQUENCY STABILITY
TEST C. OPERATIONAL PERFORMANCE STABILITY
TEST D. HUMIDITY
TEST E. VIBRATION
TEST F. ENVIRONMENTAL TEMPERATURE
TEST G. FREQUENCY STABILITY: TEMPERATURE VARIATION
TEST H. FREQUENCY STABILITY: VOLTAGE VARIATION



	Asset	Description	s/n
(1)		TEMPERATURE, HUMIDITY, VIBRATION	
x	i00027	Tenny Temp. Chamber	9083-765-234
___	i00	Weber Humidity Chamber	
___	i00	L.A.B. RVH 18-100	
(2)		COAXIAL ATTENUATOR	
___	i00122	NARDA 766-10	7802
___	i00123	NARDA 766-10	7802A
x	i00113	SIERRA 661A-3D	1059
___	i00069	BIRD 8329 (30 dB)	10066
(3)		R.F. POWER	
___	i00014	HP 435A POWER METER	1733A05839
x	i00039	HP 436A POWER METER	2709A26776
x	i00020	HP 8901A POWER MODE	2105A01087
(4)		FREQUENCY COUNTER	
___	i00042	HP 5383A	1628A00959
x	i00019	HP 5334B	2704A00347
x	i00020	HP 8901A	2105A01087

TEMP. [°C]	Freq. [MHz]	Freq. Err. [ppm]
-35	160.10038	2.374
-25	160.10024	1.499
-15	160.10017	1.062
-5	160.10015	0.937
5	160.10012	0.750
15	160.10007	0.437
25	160.10000	0.000
35	160.09993	-0.437
45	160.09988	-0.750
55	160.09986	-0.874
65	160.09985	-0.937



PAGE NO. 35 of 36.

NAME OF TEST: Frequency Stability (Voltage Variation)

SPECIFICATION: 47 CFR 2.1055(b)(1)

GUIDE: ANSI/TIA/EIA-603-1992, Paragraph 2.2.2

TEST EQUIPMENT: As per previous page

MEASUREMENT PROCEDURE

1. The EUT was placed in a temperature chamber at 25±5°C and connected as for "Frequency Stability - Temperature Variation" test.

2. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.

3. The variation in frequency was measured for the worst case.

RESULTS: Frequency Stability (Voltage Variation)
g98b0445: 1998-Nov-13 Fri 16:36:52
STATE: 0:General

LIMIT, ppm = 2.5
LIMIT, Hz = 400
BATTERY END POINT (Voltage) = 10.8

% of STV	Voltage	Frequency, MHz	Change, Hz	Change, ppm
85	11.56	160.100010	10	0.06
100	13.6	160.100000	0	0.00
115	15.64	160.100010	10	0.06
79	10.8	160.100010	10	0.06

SUPERVISED BY: Morton Flom, P. Eng.

PAGE NO. 36 of 36.

NAME OF TEST: Necessary Bandwidth and Emission Bandwidth

SPECIFICATION: 47 CFR 2.202(g)

MODULATION = 16K0F3E

NECESSARY BANDWIDTH CALCULATION:

MAXIMUM MODULATION (M), kHz	= 3
MAXIMUM DEVIATION (D), kHz	= 5
CONSTANT FACTOR (K)	= 1
NECESSARY BANDWIDTH (B_N), kHz	= (2 x M) + (2 x D x K)
	= 16.0

MODULATION = 11K0F3E

NECESSARY BANDWIDTH CALCULATION:

MAXIMUM MODULATION (M), kHz	= 3
MAXIMUM DEVIATION (D), kHz	= 2.5
CONSTANT FACTOR (K)	= 1
NECESSARY BANDWIDTH (B_N), kHz	= (2 x M) + (2 x D x K)
	= 11.0

SUPERVISED BY: Morton Flom, P. Eng.

TESTIMONIAL AND STATEMENT OF CERTIFICATION

THIS IS TO CERTIFY THAT:

1. THAT the application was prepared either by, or under the direct supervision of, the undersigned.

2. THAT the technical data supplied with the application was taken under my direction and supervision.

3. THAT the data was obtained on representative units, randomly selected.

4. THAT, to the best of my knowledge and belief, the facts set forth in the application and accompanying technical data are true and correct.

CERTIFYING ENGINEER: Morton Flom, P. Eng.

STATEMENT OF QUALIFICATIONS

EDUCATION:

1. B. ENG. in ENGINEERING PHYSICS, 1949, McGill University, Montreal Canada.

2. Post Graduate Studies, McGill University & Sir Goerge Williams University, Montreal.

PROFESSIONAL AFFILIATIONS:

1. ARIZONA SOCIETY OF PROFESSIONAL ENGINEERS (NSPE), #026 031 821.

2. ORDER OF ENGINEERS (QUEBEC) 1949. #45 34.

3. ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOPHYSICISTS & GEOLOGISTS OF ALBERIA #5916.

4. REGISTERED ENGINEERING CONSULTANT - GOVERNMENT OF CANADA, DEPARTMENT OF COMMUNICATIONS. Radio Equipment approvals.

5. IEEE, Lifetime member no. 041/204 (Member since 1947).

EXPERIENCE:

1. Research/Development/Senior Project Engineer. R.C.A. LIMITED (4 years).

2. Owner/Chief Engineer of Electronics. Design/Manufacturing & Cable TV Companies (10 years)

3. CONSULTING ENGINEER (over 25 years).

M. Flom P. Eng.

MORTON FLOM, P. Eng.