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Required information per ISO/IEC Guide 25-1990, paragraph 13.2:

TEST REPORT

a)

b) Laboratory: M. Flom Associates, Inc.
(FCC: 31040/SIT) 3356 N. San Marcos Place, Suite 107
(Canada: IC 2044) Chandler, AZ 85224

c) Report Number: d9920015

d) Client: Kenwood Communications Corporation
P.O. Box 22745
Long Beach, CA 90801-5745

e) Identification: UBZ-LH14
FCC ID: ALH26532110
Description: FRS FM Transceiver

f) EUT Condition: Not required unless specified in individual tests.

g) Report Date: February 8, 1999
EUT Received: January 27, 1999

h, j, k): As indicated in individual tests.

i) Sampling method: No sampling procedure used.

l) Uncertainty: In accordance with MFA internal quality manual.

m) Supervised by:



Morton Flom, P. Eng.

n) Results: The results presented in this report relate only to the item tested.

o) Reproduction: This report must not be reproduced, except in full, without written permission from this laboratory.

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LIST OF GENERAL INFORMATION REQUIRED FOR CERTIFICATION

IN ACCORDANCE WITH FCC RULES AND REGULATIONS,
VOLUME II, PART 2 AND TO

95

Sub-part 2.1033

(c) (1): NAME AND ADDRESS OF APPLICANT:

Kenwood Communications Corporation
2201 E. Dominguez St
P.O. Box 22745
Long Beach, CA 90801-5745

MANUFACTURER:

Kenwood Electronics Technologies Pte. Ltd.
1 Ang Mo Kio Street 63
Singapore 569110

(c) (2): FCC ID: ALH26532110MODEL NO: UBZ-LH14(c) (3): INSTRUCTION MANUAL(S):

PLEASE SEE ATTACHED EXHIBITS

(c) (4): TYPE OF EMISSION: 11K0F3E(c) (5): FREQUENCY RANGE, MHz: 462 to 468

(c) (6): POWER RATING, Watts: .45
 ___ Switchable ___ Variable ___ x N/A

(c) (7): MAXIMUM POWER RATING, Watts: 0.5 W95.647: ANTENNA REQUIREMENT:

- ☒ The antenna is permanently attached to the EUT
 ___ The antenna uses a unique coupling
 ___ The EUT must be professionally installed
 ___ The antenna requirement does not apply

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Sub-part
2.1033(c) (14):TEST AND MEASUREMENT DATA

All tests and measurement data shown were performed in accordance with FCC Rules and Regulations, Volume II; Part 2, Sub-part J, Sections 2.947, 2.1033(c), 2.1041, 2.1046, 2.1047, 2.1079, 2.1051, 2.1053, 2.1055, 2.1057 and the following individual Parts:

- _____ 21 - Domestic Public Fixed Radio Services
- _____ 22 - Public Mobile Services
- _____ 22 Subpart H - Cellular Radiotelephone Service
- _____ 22.901(d) - Alternative technologies and auxiliary services
- _____ 23 - International Fixed Public Radiocommunication services
- _____ 24 - Personal Communications Services
- _____ 74 Subpart H - Low Power Auxiliary Stations
- _____ 80 - Stations in the Maritime Services
- _____ 80 Subpart E - General Technical Standards
- _____ 80 Subpart F - Equipment Authorization for Compulsory Ships
- _____ 80 Subpart K - Private Coast Stations and Marine Utility Stations
- _____ 80 Subpart S - Compulsory Radiotelephone Installations for Small Passenger Boats
- _____ 80 Subpart T - Radiotelephone Installation Required for Vessels on the Great Lakes
- _____ 80 Subpart U - Radiotelephone Installations Required by the Bridge-to-Bridge Act
- _____ 80 Subpart V - Emergency Position Indicating Radiobeacons (EPIRB'S)
- _____ 80 Subpart W - Global Maritime Distress and Safety System (GMDSS)
- _____ 80 Subpart X - Voluntary Radio Installations
- _____ 87 - Aviation Services
- _____ 90 - Private Land Mobile Radio Services
- _____ 94 - Private Operational-Fixed Microwave Service
- _____ 95 Subpart A - General Mobile Radio Service (GMRS)
- _____ 95 Subpart C - Radio Control (R/C) Radio Service
- _____ 95 Subpart D - Citizens Band (CB) Radio Service
- x 95 Subpart E - Family Radio Service
- _____ 95 Subpart F - Interactive Video and Data Service (IVDS)
- _____ 101 - Fixed Microwave Services

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STANDARD TEST CONDITIONS
and
ENGINEERING PRACTICES

Except as noted herein, the following conditions and procedures were observed during the testing:

In accordance with ANSI C63.4-1992, section 6.1.9, and unless otherwise indicated in the specific measurement results, the ambient temperature of the actual EUT was maintained within the range of 10° to 40°C (50° to 104 °F) unless the particular equipment requirements specify testing over a different temperature range. Also, unless otherwise indicated, the humidity levels were in the range of 10% to 90% relative humidity.

Prior to testing, the EUT was tuned up in accordance with the manufacturer's alignment procedures. All external gain controls were maintained at the position of maximum and/or optimum gain throughout the testing.

Measurement results, unless otherwise noted, are worst case measurements.

PAGE NO. 5 of 30.
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 ± 1.5 dB.

MEASUREMENT RESULTS
(Worst case)

FREQUENCY OF CARRIER, MHz = 462.6375, 467.6375

<u>POWER SETTING</u>	<u>R. F. POWER, Watts</u>
High	0.045 = 45 mw

SUPERVISED BY:

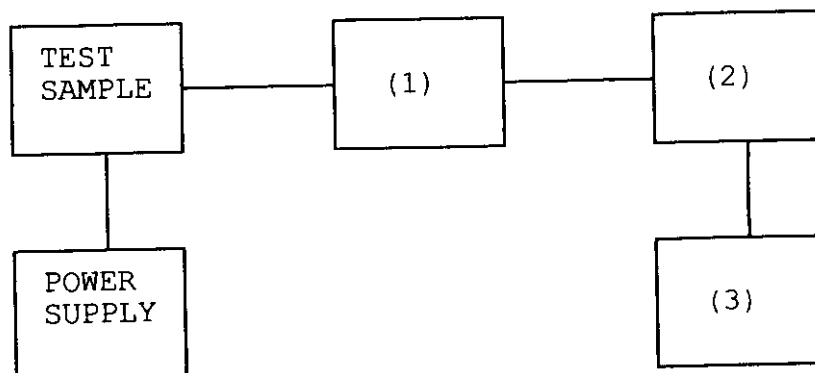

Morton Flom, P. Eng.

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TRANSMITTER POWER CONDUCTED MEASUREMENTS

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



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

KENWOOD

Transmission Conducted Spurious EmissionCH4: $f = 462.6375\text{MHz}$

	2f	3f	4f	5f
Spurious [dBm]	-28.25	-40.67	-48.85	-47.32

CH4: $f = 467.6375\text{MHz}$

	2f	3f	4f	5f
Spurious [dBm]	-28.42	-37.7	-48.9	-45.32

Model : UBZ-LH14
Prepared By: Tan Moh Chuan
Date: 21-Jan-99

PAGE NO. 8 of 30.
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

[illegible]

- (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	Last Cal
Per ANSI C63.4-1992, 10.1.4				
<u>TRANSDUCER</u>				
—	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	Aprcl 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.
<u>AMPLIFIER</u>				
—	i00028	HP 8449A	2749A00121	12 mo. Mar-98
<u>SPECTRUM ANALYZER</u>				
—	i00029	HP 8563E	3213A00104	12 mo. Aug-98
x	i00033	HP 85462A	3625A00357	12 mo. Dec-98
—	i00048	HP 8566B	2511AD1467	6 mo. Dec-98

RF Radiation Measured Data

		DUT Measurement				Calibration				
No	Frequency [MHz]	ANT Polarization (H/V)	ANT Height [cm]	Turn Table [1]	Measure d Result [dBm]	Cable Loss [dB]	SSG Level [dBm]	Final Level [dBm]	Limit [dBm]	Margin [dB]
CH4										
1	925.274	H	119	351	-66	5.1	-23.8	-28.9	-13	15.9
		V	100	189	-56.9	5.1	-13.1	-18.2	-13	5.2
2	1387.911	H	105	28	-74.2	-6.6	-27	-20.4	-13	7.4
		V	100	220	-82.2	6.6	-29.8	-36.4	-13	23.4
3	1732.302	H	112	195	-89.8	6.9	-35.2	-42.1	-13	29.1
		V	100	215	-68.7	6.8	-13.6	-20.4	-13	7.4
CH11										
1	935.275	H	106	55	-68.9	5.1	-26.4	-31.5	-13	18.5
		V	100	176	-57	5.1	-12.9	-18	-13	5
2	1402.911	H	100	4	-77	6.6	-30.2	-36.8	-13	23.8
		V	100	226	-83.2	6.6	-29.4	-36	-13	23
3	1870.549	H	100	209	-70.6	6.9	-14.2	-21.1	-13	8.1
		V	117	115	-72.4	6.9	-17.4	-24.3	-13	11.3

Note : No others spurious or unwanted frequencies between the tested frequency band,
except the frequencies stated above.

Model : EX-2653 (UBZ-LH14)
Date : 19-Jan-99
Operator : Tan Moh Chuan
Testing Mode : Transmit mode.
Remark :

PAGE NO. 11 of 30.
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 attached page

MEASUREMENT PROCEDURE

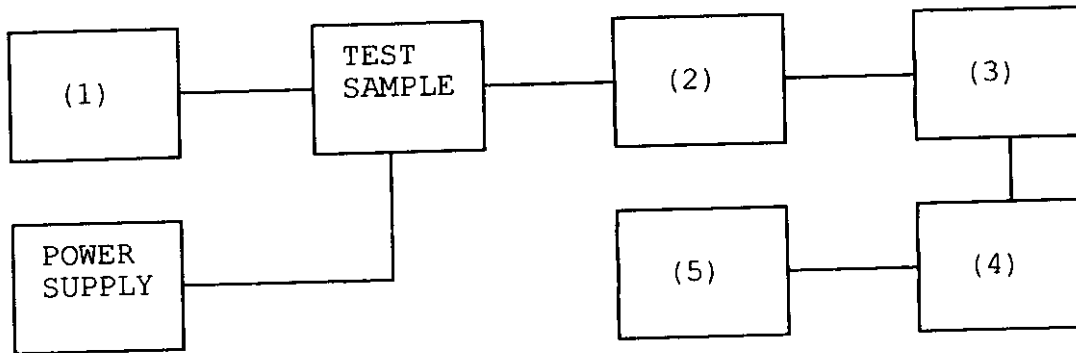
1. The EUT and test equipment were set up as shown on the following page, with the Spectrum Analyzer connected.
2. For EUTs supporting audio modulation, the audio signal generator was adjusted to the frequency of maximum response and with output level set for ± 2.5 kHz deviation (or 50% modulation). 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

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TRANSMITTER SPURIOUS EMISSION

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

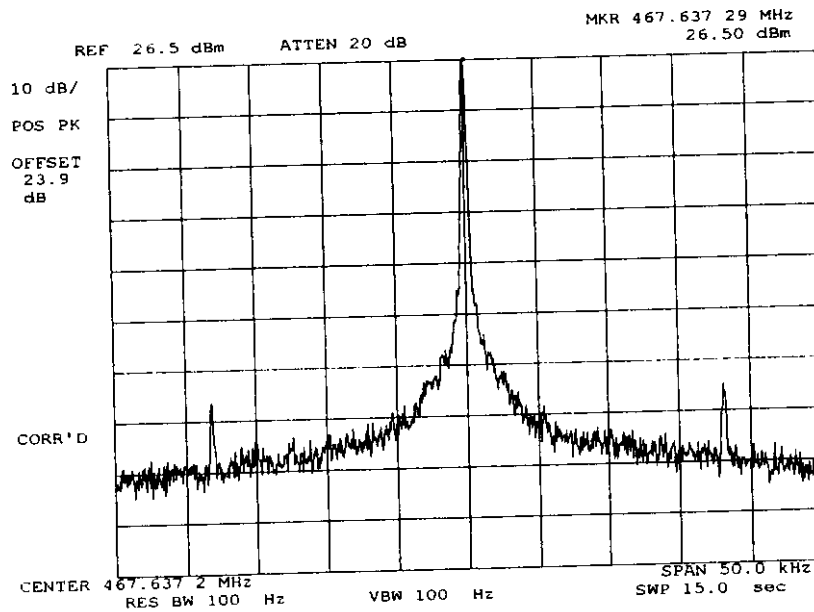


Asset	Description	s/n
(1)	<u>AUDIO OSCILLATOR/GENERATOR</u>	
—	i00010 HP 204D	1105A04683
—	i00017 HP 8903A	2216A01753
x	i00012 HP 3312A	1432A11250
(2)	<u>COAXIAL ATTENUATOR</u>	
—	i00122 Narda 766-10	7802
—	i00123 Narda 766-10	7802A
x	i00069 Bird 8329 (30 dB)	1006
x	i00113 Sierra 661A-3D	1059
(3)	<u>FILTERS;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

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NAME OF TEST: Emission Masks (Occupied Bandwidth)
g9920015: 1999-Feb-01 Mon 14:08:00
STATE: 2:High Power



POWER:
MODULATION:

HIGH
NONE
LOOSE COUPLED

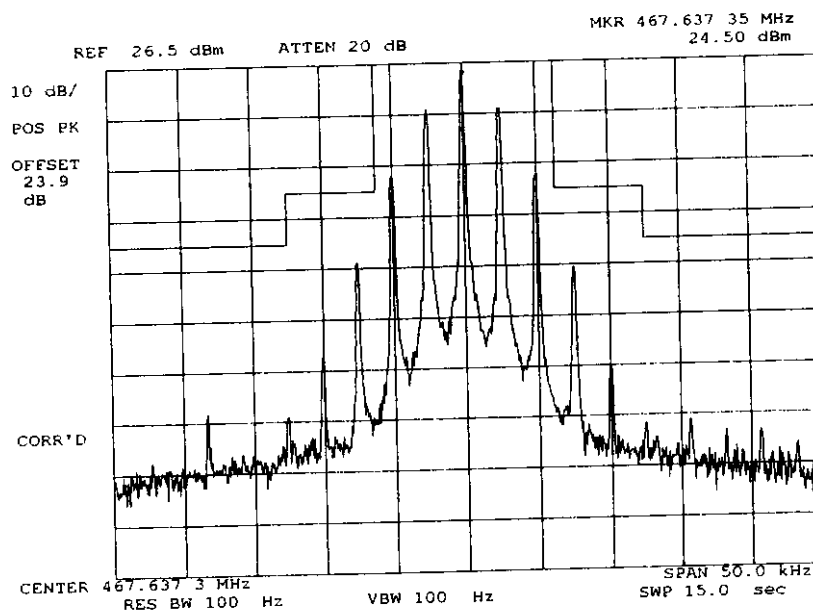
SUPERVISED BY:

Morton Flom, P. Eng.

PAGE NO.

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NAME OF TEST: Emission Masks (Occupied Bandwidth)
g9920016: 1999-Feb-01 Mon 14:34:00
STATE: 2:High Power



POWER:
MODULATION:

HIGH
VOICE: 2500 Hz SINE WAVE
MASK: FRS, 95.633(C) LOOSE
COUPLED

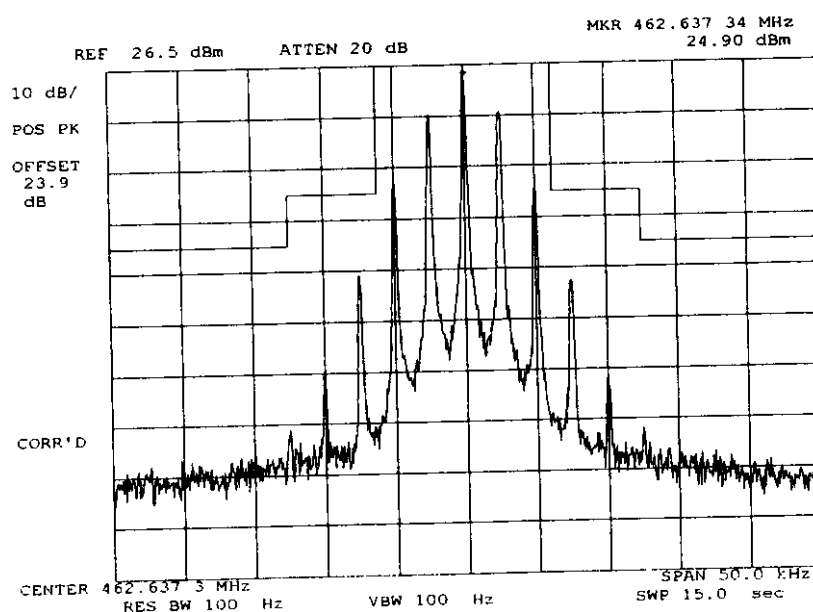
SUPERVISED BY:

Morton Flom, P. Eng.

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NAME OF TEST: Emission Masks (Occupied Bandwidth)
 g9920017: 1999-Feb-01 Mon 14:37:00
 STATE: 2:High Power



POWER:
 MODULATION:

HIGH
 VOICE: 2500 Hz SINE WAVE
 MASK: FRS, 95.633(C) LOOSE
 COUPLED

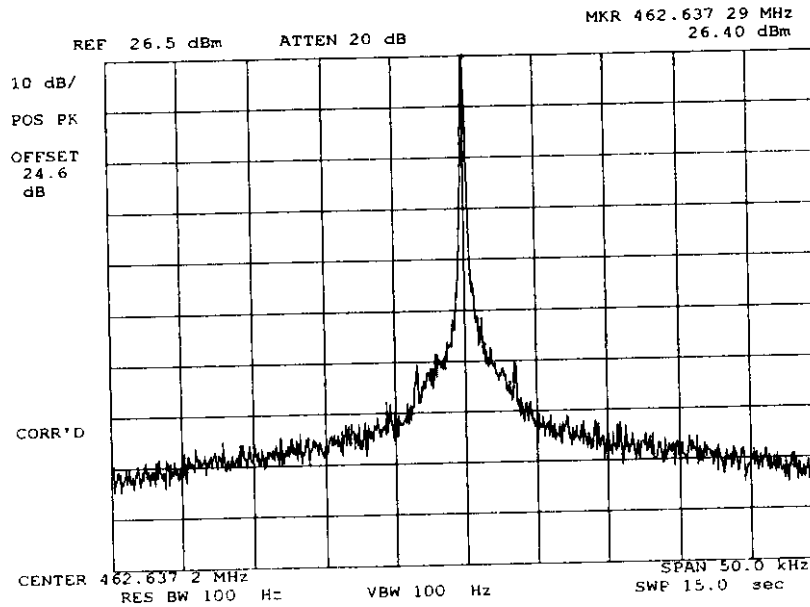
SUPERVISED BY:

Morton Flom P. Eng.
 Morton Flom, P. Eng.

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NAME OF TEST: Emission Masks (Occupied Bandwidth)
g9920018: 1999-Feb-01 Mon 14:42:00
STATE: 2:High Power



POWER:
MODULATION:

HIGH
NONE
LOOSE COUPLED

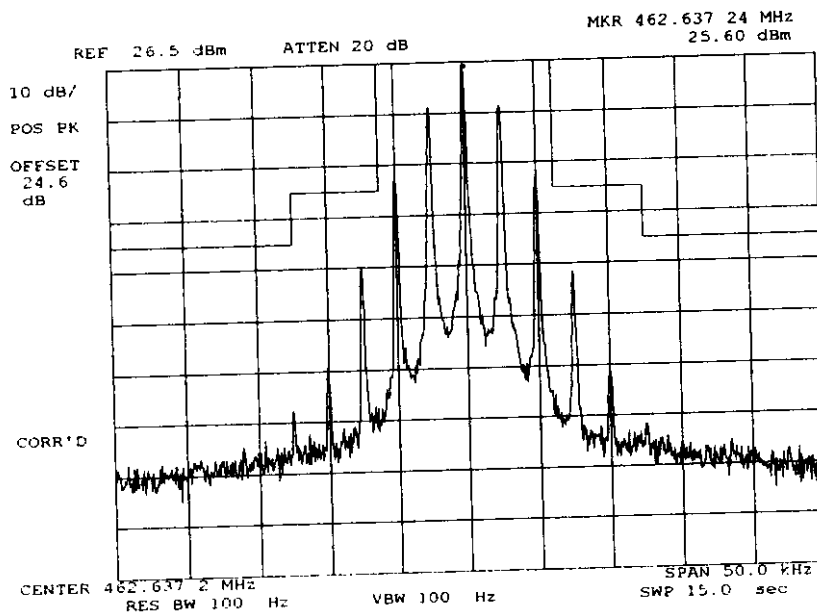
SUPERVISED BY:

Morton Flom, P. Eng.

PAGE NO.

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NAME OF TEST: Emission Masks (Occupied Bandwidth)
g9920019: 1999-Feb-01 Mon 14:58:00
STATE: 2:High Power



POWER:
MODULATION:

HIGH
VOICE: 2500 Hz SINE WAVE
FRS, 95.633(C) LOOSE
COUPLED

SUPERVISED BY:



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PAGE NO. 18 of 30.
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

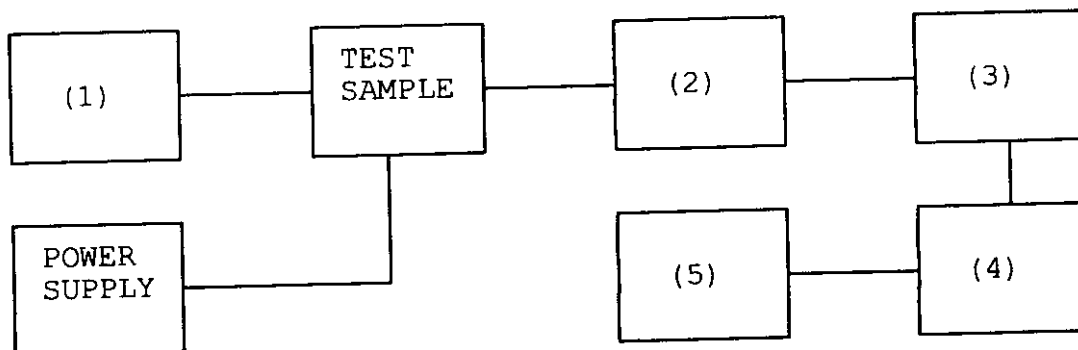
1. The EUT and test equipment were set up such that the audio input was connected at the input to the modulation limiter, and the modulated stage.
2. The audio output was connected at the output to the modulated stage.
3. MEASUREMENT RESULTS: ATTACHED

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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

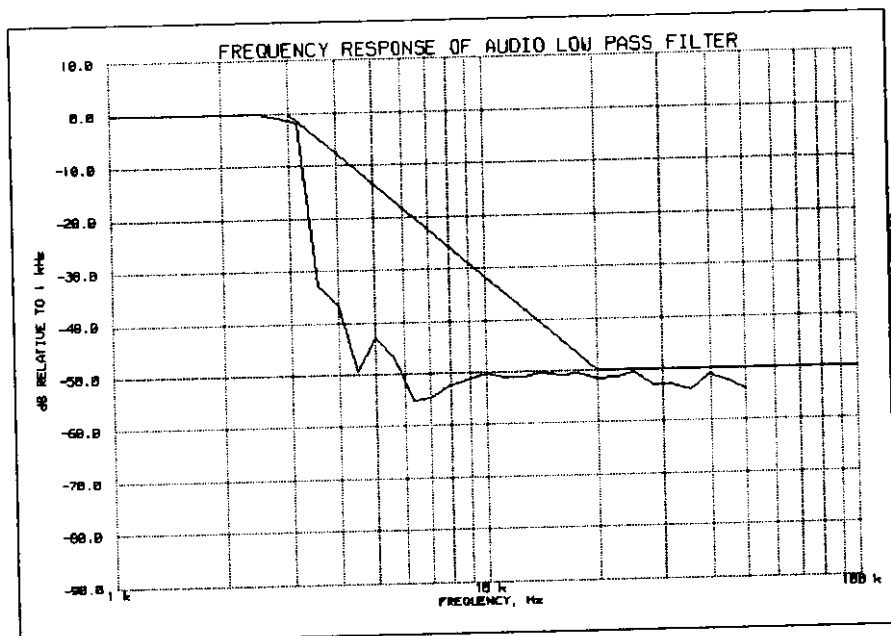


Asset	Description	s/n
(1)	<u>LINE IMPEDANCE STABILIZATION NETWORK</u>	
	i00010 HP 204D	1105A04683
x	i00017 HP 8903A	2216A01753
x	i00118 HP 33120A	US36002064
(2)	<u>COAXIAL ATTENUATOR</u>	
	i00122 NARDA 766-10	7802
	i00123 NARDA 766-10	7802A
x	i00113 SIERRA 661A-3D	1059
	i00069 BIRD 8329 (30 dB)	10066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

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NAME OF TEST: Audio Low Pass Filter (Voice Input)
g9920002: 1999-Feb-01 Mon 12:19:00
STATE: 0:General



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PAGE NO. 21 of 30.
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

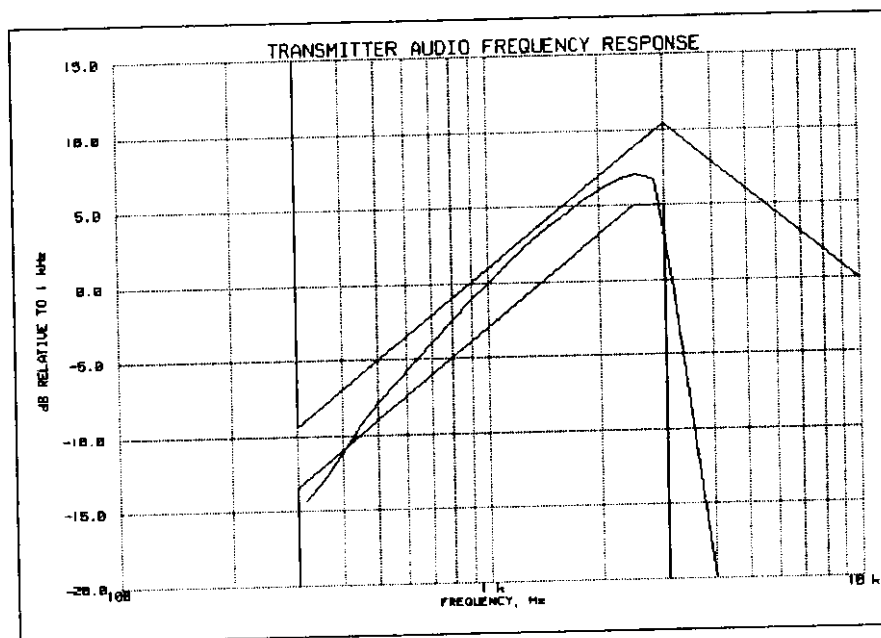
MEASUREMENT PROCEDURE

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

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NAME OF TEST: Audio Frequency Response
 g9920003: 1999-Feb-01 Mon 12:22:00
 STATE: 0:General



Additional points:

FREQUENCY, Hz	LEVEL, dB
300	-16.53
20000	-26.02
30000	-26.13
50000	-26.13

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PAGE NO. 23 of 30.
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

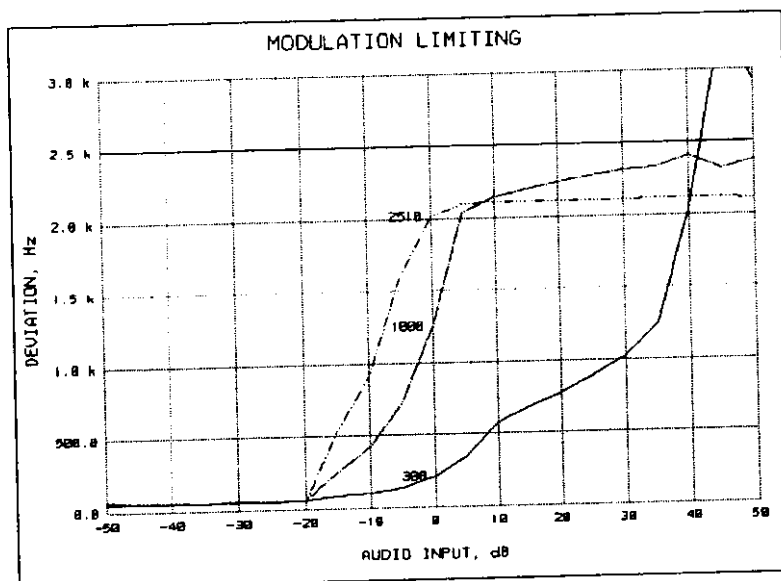
1. The signal generator was connected to the input of the EUT as for "Frequency Response of the Modulating Circuit."
2. The modulation response was measured for each of three frequencies (one of which was the frequency of maximum response), and the input voltage was varied and was observed on an HP 8901A 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.

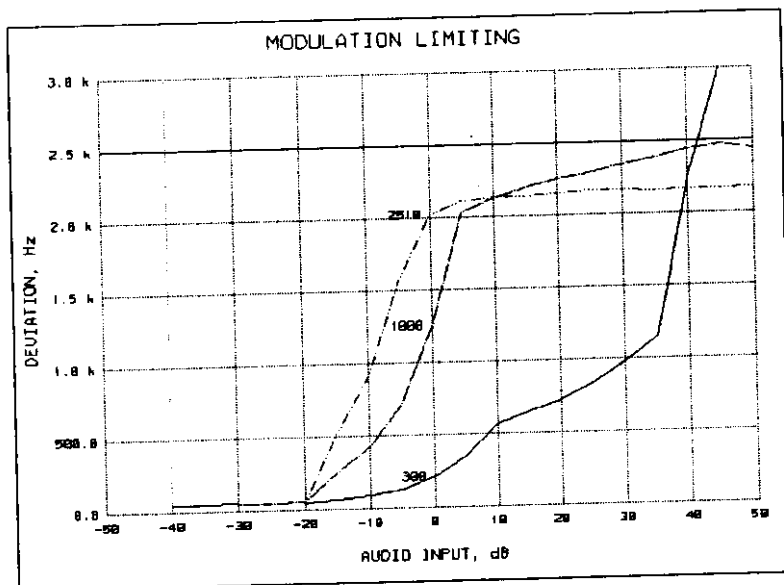
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NAME OF TEST: Modulation Limiting
 g9920005: 1999-Feb-01 Mon 12:30:00
 STATE: 0:General

Positive
 Peaks:



Negative
 Peaks:



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PAGE NO. 25 of 30.
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

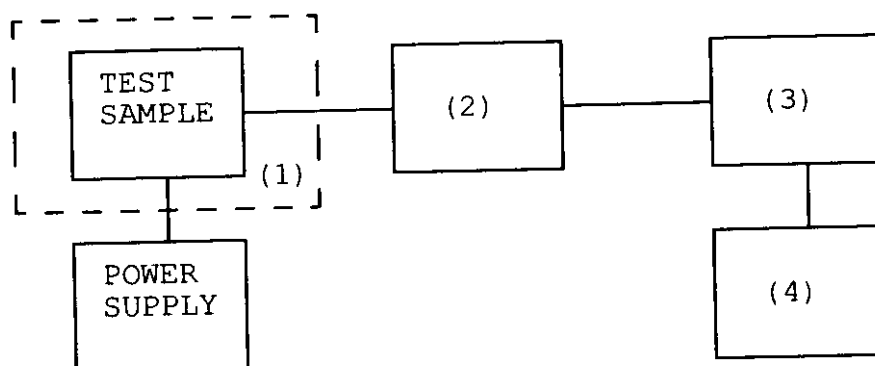
1. The EUT and test equipment were set up as shown on the following page.
2. With all power removed, the temperature was decreased to -30°C and permitted to stabilize for three hours. Power was applied and the maximum change in frequency was noted within one minute.
3. With power OFF, the temperature 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

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

PAGE NO. 28 of 30.

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 $25 \pm 5^\circ\text{C}$ 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)

g9920014: 1999-Feb-01 Mon 13:53:19

STATE: 0:General

LIMIT, ppm = 2.5

LIMIT, Hz = 1169

BATTERY END POINT (Voltage) = 3.8

% of STV	Voltage	Frequency, MHz	Change, Hz	Change, ppm
85	3.82	467.638490	-10	-0.02
100	4.5	467.638500	0	0.00
115	5.17	467.638490	-10	-0.02
84	3.8	467.638440	-60	-0.13

SUPERVISED BY:

Morton Flom P. Eng.

Morton Flom, P. Eng.

PAGE NO. 29 of 30.
NAME OF TEST: Necessary Bandwidth and Emission Bandwidth
SPECIFICATION: 47 CFR 2.202(g)

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.

PAGE NO. 30 of 30.
NAME OF TEST: Summary of Applicant Supplied Attestations
SPECIFICATION: 47 CFR 95
TEST CONDITIONS: As Indicated
TEST EQUIPMENT: As per previous page
95.647

Antenna has no gain (as compared to a half-wave dipole) and is vertically polarized.

95.649

There are no provisions for increasing transmitter power.

95.653

Users manual includes instructions and warnings.

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:

A handwritten signature in black ink, appearing to read "M. Flom P. Eng.", with a horizontal line drawn underneath the signature.

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 George 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).



MORTON FLOM, P. Eng.