RADIO TEST REPORT

Test Report No. : 10908283S-A

Applicant	:	**Edmo Distributors, Inc.**
Type of Equipment	:	**VHF AM TRANSCEIVER**
Model No.	:	**FL-760A**
Test regulation	:	**FCC part 87 subpart D: 2015**
FCC ID	:	**VOSFL760B**
Test Result	:	**Complied**

1. This test report shall not be reproduced in full or partial, without the written approval of UL Japan, Inc.
2. The results in this report apply only to the sample tested.
3. This sample tested is in compliance with the limits of the above regulation.
4. The test results in this test report are traceable to the national or international standards.
5. This test report must not be used by the customer to claim product certification, approval, or endorsement by any agency of the Federal Government.
6. The opinions and the interpretations to the result of the description in this report are outside scopes where UL Japan has been accredited.
7. This test report covers Radio technical requirements.
   It does not cover administrative issues such as Manual or non-Radio test related Requirements. (if applicable)

Date of test: September 24 to October 22, 2015

Representative test engineer:
Kenichi Adachi
Engineer
Consumer Technology Division

Approved by :
Toyokaku Imamura
Leader
Consumer Technology Division

REVISION HISTORY

Original Test Report No.: 10908283S-A

Revision	Test report No.	Date	Page revised	Contents
- (Original)	10908283S-A	November 6, 2015	-	-
1	10908283S-A	November 13, 2015	p.1, p.2	Revised page.
			p.18	Corrected error (dB -> dBm). Added power class
			p.19	Added average power sheet.
			p.32 - 34	Corrected error (White line -> Blue line).

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SECTION 1: Customer information

Company Name	:	Edmo Distributors, Inc.
Address	:	12830 East Mirabeau Parkway, Spokane Valley, WA 99216 U.S.A.
Telephone Number	:	+1-509-535-8280
Facsimile Number	:	+1-509-535-8266
Contact Person	:	Jeff Christensen

SECTION 2: Equipment under test (E.U.T.)

2.1 Identification of E.U.T.

Type of Equipment	:	VHF AM TRANSCEIVER
Model Number	:	FL-760A
Serial Number	:	Refer to Section 4.2
Rating	:	DC 13.8 V (DC 10.5 V to 16 V) or DC 26 V (DC 21 V to 33 V)
Country of Mass-production	:	Japan
Condition of EUT	:	Engineering prototype (Not for Sale: This sample is equivalent to mass-produced items.)
Receipt Date of Sample	:	September 24, 2015
Modification of EUT	:	The test lab did not make the modification to the EUT supplied from the customer to have it pass the tests.

2.2 Product Description

Model: FL-760A (referred to as the EUT in this report) is a VHF AM TRANSCEIVER.
The VHF AM TRANSCEIVER is used with the aircraft.

Radio Specification

Radio Type	:	Transceiver
Emission Designation	:	6K00A3E
Frequency of Operation	:	Transmitting: 118.000 MHz to 136.975 MHz Receiving: 108.000 MHz to 136.975 MHz
Other Clock Frequency	:	IF: (1st): 50.85 MHz (upper) and (2nd): 450 kHz (lower) 36.864 MHz (CPU), 50.4 MHz (2nd Local), 16.8 MHz (Tcxo)
Modulation	:	AM
Channel spacing	:	25 kHz
Power Supply (RF part input)	:	DC +8 V
Method of Frequency Generation	:	Synthesized method
Antenna type	:	Omnidirectional
Antenna Connector Type	:	BNC
Antenna Gain	:	+3 dBi
Operating Temperature	:	-20 deg.C. to +60 deg.C.
Necessary bandwidth (Bn)	:	6 kHz (Bn = 2 x (maximum modulation frequency = 3000 [Hz]))

SECTION 3: Test specification, procedures and results

3.1 Test Specification

Test Specification : FCC Part87 subpart D: 2015, final revised on July 7, 2015
Title : AVIATION SERVICES

3.2 Procedures and results

No.	Item	Test Procedure *1)	Specification	Remarks	Deviation	Worst margin	Results
1	RF Output Power	FCC Section 2.1046, ANSI/TIA-603-D Section 2.2.1	FCC section 87.131, RSS-141 section 5.1	-	N/A	-	Complied
2	Audio Frequency Response	FCC Section 2.1047(a), ANSI/TIA-603-D Section 2.2.6	-	-	N/A	-	Complied
3	Modulation Limiting	FCC Section 2.1047(b) , ANSI/TIA-603-D Section 2.2.3	FCC section 87.141(b) , RSS-141 section 5.1	-	N/A	-	Complied
4	Bandwidth of Emission	FCC Section 2.1049, ANSI/TIA-603-D Section 2.2.11	FCC section 87.139(a), 87.135, RSS-141 section 4.2	-	N/A	-	Complied
5	Spurious Emission at Antenna Terminals	FCC Section 2.1051, ANSI/TIA-603-D Section 2.2.13	FCC section 87.139(a)(3) , RSS-141 section 5.2	-	N/A	**6.83 dB** (236.000 MHz Tx, 118 MHz, DC 13.8 V)	Complied
6	Field Strength of Spurious Emission	FCC Section 2.1053, ANSI/TIA-603-D Section 2.2.12	FCC section 87.139(a)(3) , RSS-141 section 5.2	Radiated	N/A	**11.9 dB** (590.000 MHz, Horizontal, Tx 118 MHz)	Complied
7	Frequency Stability Measurement	FCC Section 2.1055, ANSI/TIA-603-D Section 2.2.2	FCC section 87.133(a) , RSS-141 section 5.1	-	N/A	-	Complied
8	99% Occupied Bandwidth	FCC Section 2.1049	FCC section 87.139(a), 87.135, RSS-141 section 5.1	-	N/A	-	Complied

Note: UL Japan, Inc.'s EMI Work Test Procedure 13-EM-W0420.
*1) These tests were also referred to "Land Mobile FM or PM Communications Equipment Measurement and Performance Standards" (ANSI/TIA-603-D: 2010)

3.3 Addition to standard

No.	Item	Test Procedure	Specification	Remarks	Deviation	Worst margin	Results
9	Receiver spurious emissions	ANSI/TIA-603-D Section 2.1.1	RSS-141 section 5.3, RSS-Gen 7, FCC section 15.109	Conducted / Radiated	N/A	**6.0 dB**, (146.341 MHz, Horizontal, QP, Rx 108 MHz)	N/A

Other than above, no addition, exclusion nor deviation has been made from the standard.

3.4 Confirmation

UL Japan, Inc. hereby confirms that E.U.T., in the configuration tested, complies with the specifications FCC part 87.

3.5 Uncertainty

EMI

The following uncertainties have been calculated to provide a confidence level of 95 % using a coverage factor $k = 2$.

(EMI measurement)

Item	Frequency range	No.1 SAC*1 (±)	No.2 SAC(±)	No.3 SAC (±)
Radiated emission (Measurement distance: 3 m)	9 kHz - 30 MHz	3.7 dB	3.5 dB	3.5 dB
	30 MHz - 300 MHz	4.9 dB	4.9 dB	4.7 dB
	300 MHz - 1 GHz	5.0 dB	5.0 dB	4.8 dB
	1 GHz - 18 GHz	4.9 dB	4.9 dB	4.9 dB

(Substitution measurement)

Item	Frequency range	No.1 SAC*1 (±)	No.2 SAC(±)	No.3 SAC (±)
Radiated emission (Substitution measurement;3 m) (EUT height 0.8 m)	30 MHz - 300 MHz	4.8 dB	4.8 dB	4.8 dB
	300 MHz - 1 GHz	3.7 dB	3.7 dB	3.7 dB
	1 GHz - 18 GHz	5.1 dB	5.1 dB	5.1 dB

*1: SAC=Semi-Anechoic Chamber

Radiated Emission Test

The data listed in this test report has enough margin, more than site margin.

Power Measurement uncertainty below 1 GHz for this test was: (±) 0.63 dB
Conducted emissions Measurement (below 1 GHz) uncertainty for this test was: (±) 1.5 dB
Conducted emissions, Power Density Measurement (1GHz - 3 GHz) uncertainty for this test was: (±) 1.7 dB
Frequency Measurement uncertainty for this test was: (±) 7.9 x 10^-8
Bandwidth Measurement uncertainty for this test was: (±) 0.66 %

3.6 Test Location

UL Japan, Inc. Shonan EMC Lab.
1-22-3, Megumigaoka, Hiratsuka-shi, Kanagawa-ken 259-1220 JAPAN
Telephone number : +81 463 50 6400
Facsimile number : +81 463 50 6401
JAB Accreditation No. : RTL02610

	IC Registration No.	Width x Depth x Height (m)	Size of reference ground plane (m) / horizontal conducting plane	Maximum measurement distance
☐ No.1 Semi-anechoic chamber	2973D-1	20.6 x 11.3 x 7.65	20.6 x 11.3	10 m
☒ No.2 Semi-anechoic chamber	2973D-2	20.6 x 11.3 x 7.65	20.6 x 11.3	10 m
☒ No.3 Semi-anechoic chamber	2973D-3	12.7 x 7.7 x 5.35	12.7 x 7.7	5 m
☐ No.4 Semi-anechoic chamber	-	8.1 x 5.1 x 3.55	8.1 x 5.1	-
☐ No.1 Shielded room	-	6.8 x 4.1 x 2.7	6.8 x 4.1	-
☐ No.2 Shielded room	-	6.8 x 4.1 x 2.7	6.8 x 4.1	-
☐ No.3 Shielded room	-	6.3 x 4.7 x 2.7	6.3 x 4.7	-
☐ No.4 Shielded room	-	4.4 x 4.7 x 2.7	4.4 x 4.7	-
☒ No.5 Shielded room	-	7.8 x 6.4 x 2.7	7.8 x 6.4	-
☐ No.6 Shielded room	-	7.8 x 6.4 x 2.7	7.8 x 6.4	-
☐ No.8 shielded room	-	3.45 x 5.5 x 2.4	3.45 x 5.5	-
☐ No.1 Measurement room	-	2.55 x 4.1 x 2.5	-	-

3.7 Data of EMI, Test instruments, Test set up

Refer to APPENDIX.

SECTION 4: Operation of E.U.T. during testing

4.1 Operating Modes

The sequence is used : Transmitting
-Low Channel: 118.0MHz,
-Mid Channel: 127.5MHz,
-High Channel: 136.975MHz

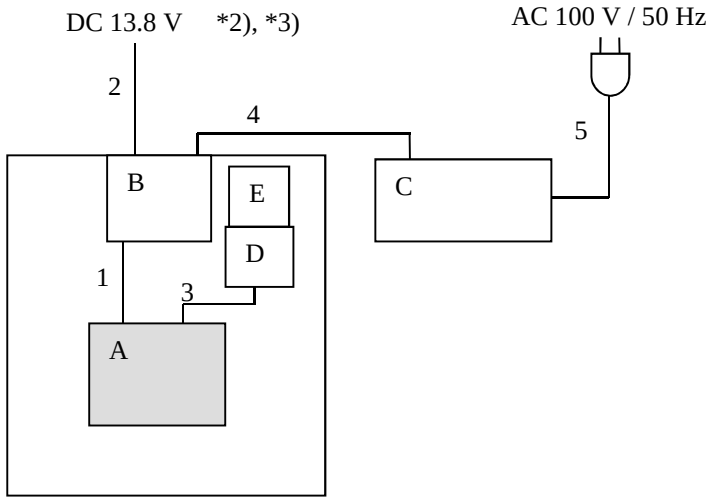
Receiving
-Low Channel: 108.0MHz,
-Mid Channel: 122.5MHz,
-High Channel: 136.975MHz

Justification : **The system was configured in typical fashion (as a customer would normally use it) for testing.**

4.2. Configuration and peripherals

4.2.1 Radiated emission

<Top view>



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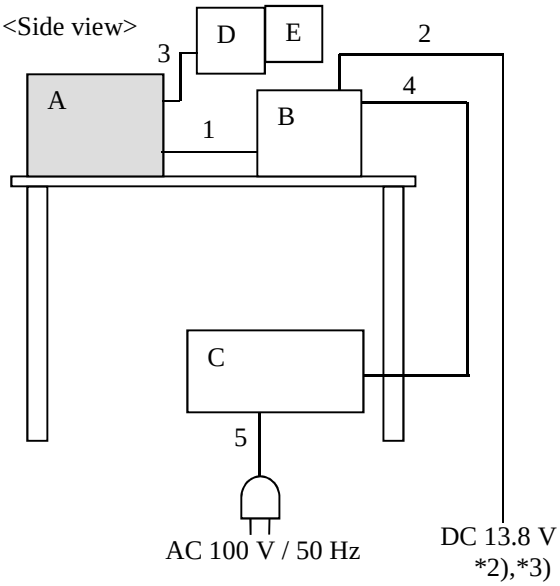
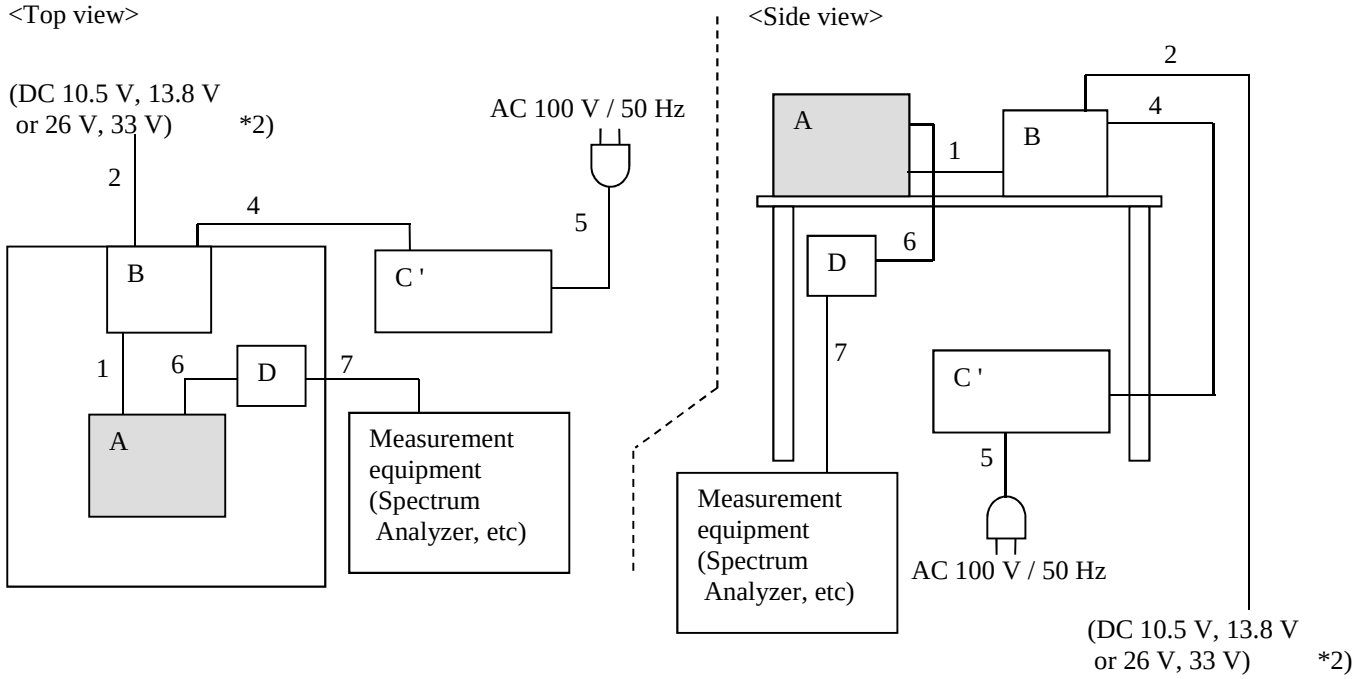


*1) Cabling and setup were taken into consideration and test data was taken under worst case conditions.
*2) DC power supply (Model No.: PAN35-10A) was used for DC 13.8 V input.
*3) The worst voltage condition was DC 13.8 V, that was determined based on the test result of RF output power.

4.2.2 Antenna Terminal Test



*1) Cabling and setup were taken into consideration and test data was taken under worst case conditions.
*2) DC power supply (Model No.: PAN35-10A) was used for DC 10.5 V or (13.8 V or 26 V) or 33 V input.

Description of EUT and Support equipment

No.	Item	Model number	Serial number	Manufacturer	Remark
A	VHF AM TRANSCEIVER	FL-760A	Sample 1	Edmo Distributors, Inc.	EUT
B	Jig	-	-	CSR	-
C	Audio Analyzer	UPV	101292	Rohde & Schwarz	-
C '	Function generator	TG1304	156125	Thurlby Thandar	-
D	Attenuator	57-40-34	PN282	AEROFLEX	-
E	Terminator	CT-01 BP	-	TME	-

List of cables used

No.	Name	Length (m)	Shield		Backshell Material
			Cable	Connector	
1	Signal Cable	0.4	Unshielded	Unshielded	Polyvinyl chloride
2	DC Cable	0.4 + 2.0	Unshielded	Unshielded	Polyvinyl chloride
3	Coaxial Cable	1.5	Shielded	Shielded	Polyvinyl chloride
4	Audio Cable	1.5	Shielded	Shielded	Polyvinyl chloride
5	AC Cable	2.0	Unshielded	Unshielded	Polyvinyl chloride
6	Coaxial Cable (Measurement)	0.5	Shielded	Shielded	Polyvinyl chloride
7	Coaxial Cable (Measurement)	1.0	Shielded	Shielded	Polyvinyl chloride

SECTION 5: RF Output power

5.1 Test Procedure : FCC section 2.1046, ANSI/TIA-603-D section 2.2.1

To achieve the maximum power output rating, measurement was taken with EUT.

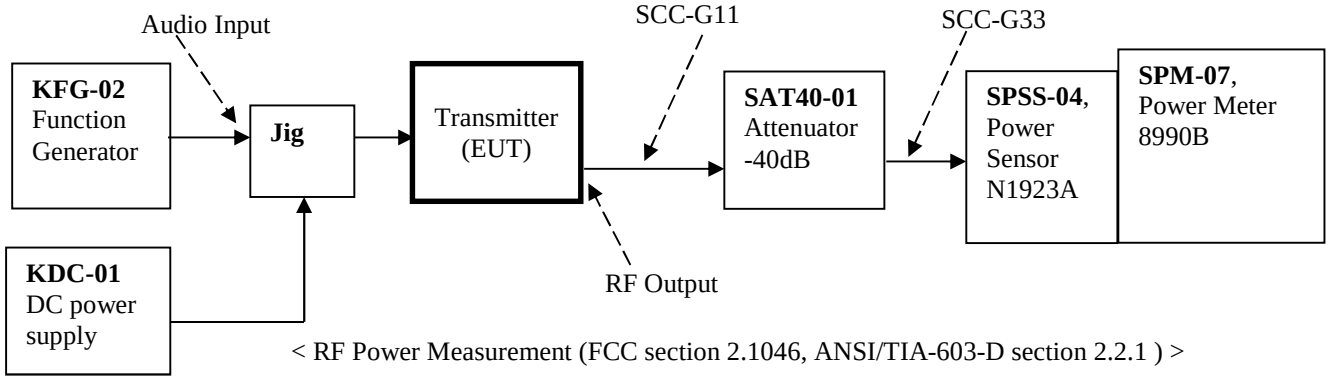
The EUT was aligned for transmitter operation on 118 MHz (Low), 127.5 MHz (Mid), 136.975 MHz (High) at full rated power.

Measured items is none modulation mode and modulation mode.

The Carrier is modulated by a 2.5 kHz tone at an input level 16 dB greater than that necessary to produce 50 percent modulation. The input level shall be established at the frequency of maximum response of the audio modulation. (EUT audio input level: +15.8 dBm = 50 % modulation level: -0.2 dBm + 16 dB)

RF output level was measured with Power Meter on RF output port.

5.2 Test data : APPENDIX 1
5.3 Test result : Pass
5.4 Test instruments : SPM-07, SPSS-04, SCC-G33, SAT40-01, SCC-G11, KFG-02, KDC-01
5.5 Measurement Block Diagram of RF power output



< RF Power Measurement (FCC section 2.1046, ANSI/TIA-603-D section 2.2.1) >

SECTION 6: Audio Frequency Response

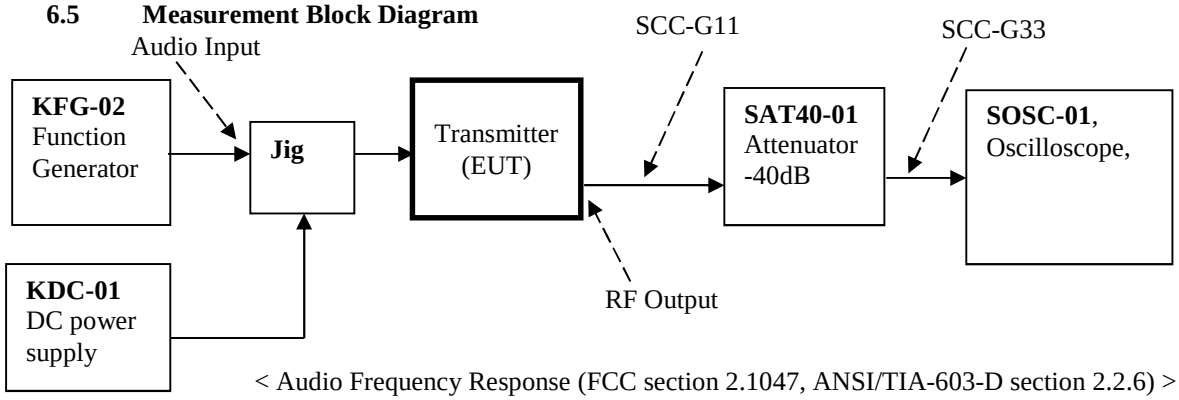
6.1 Test Procedure : FCC section 2.1047, ANSI/TIA-603-D section 2.2.6

The EUT was aligned for transmitter operation on 127.5 MHz at full rated power.
(It was tested with a representative in Middle channel because there were no differences each channel.)

When frequency from 1 kHz is applied to audio input of EUT each input level that necessary to produce 20 percent modulation (1 kHz).

The amplifier Modulation rate was measured with oscilloscope.
(input audio signal frequency 300 Hz to 3 kHz (reference 100 Hz to 10 kHz))

6.2 Test Data : APPENDIX 1
6.3 Test Result : Pass
6.4 Test Instrument : SOSC-01, SCC-G33, SAT40-01, SCC-G11, KFG-02, KDC-01
6.5 Measurement Block Diagram



< Audio Frequency Response (FCC section 2.1047, ANSI/TIA-603-D section 2.2.6) >

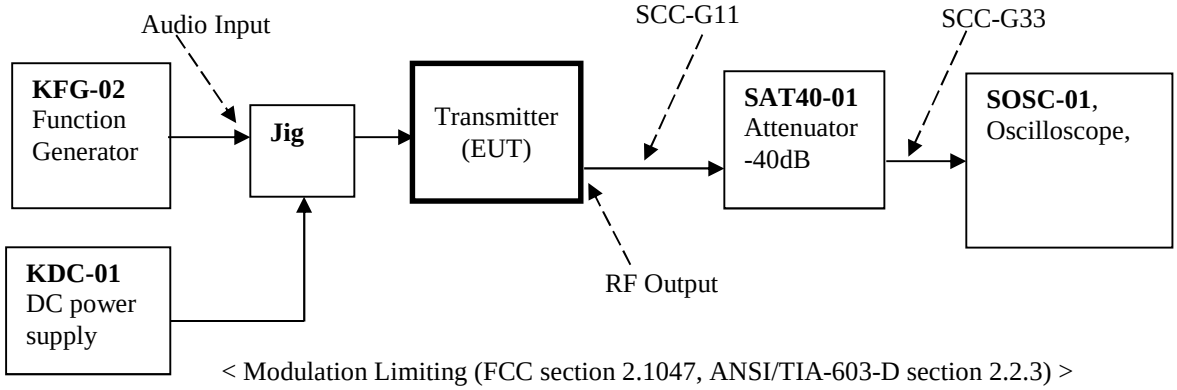
SECTION 7: Modulation Limiting

7.1 Test Procedure : FCC section 2.1047, ANSI/TIA-603-D section 2.2.3

The EUT was aligned for transmitter operation on 127.5 MHz at full rated power.
(It was tested with a representative in Middle channel because there were no differences each channel.)

When input Level from –30 dBV to +20 dBV is applied to audio input of EUT each modulation frequency 300 Hz, 350 Hz, 1 kHz, 2.5 kHz and 3 kHz, Amplifier Modulation rate is measured by oscilloscope.

7.2 Test Data : APPENDIX 1
7.3 Test Result : Pass
7.4 Test Instrument : SOSC-01, SCC-G33, SAT40-01, SCC-G11, KFG-02, KDC-01
7.5 Measurement Block Diagram



< Modulation Limiting (FCC section 2.1047, ANSI/TIA-603-D section 2.2.3) >

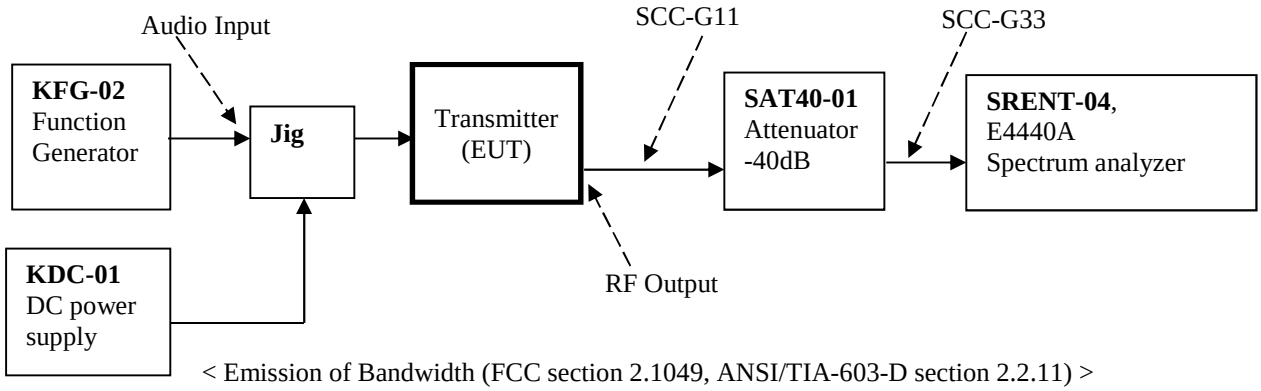
SECTION 8: Bandwidth of Emission (Emission mask)

8.1 Test Procedure : FCC section 2.1049, ANSI/TIA-603-D section 2.2.11

1) Set the reference level the spectrum analyzer to the unmodulation carrier level on the EUT

2) The Carrier is modulated by a 2.5 kHz tone at an input level 16 dB greater than that necessary to produce 50 percent modulation. The input level shall be established at the frequency of maximum response of the audio modulation.
(EUT audio input level: +15.8 dBm = 50 % modulation level: -0.2 dBm + 16 dB)

8.2 Test Data : APPENDIX 1
8.3 Test Result : Pass
8.4 Test Instrument : SRENT-04, SCC-G33, SAT40-01, SCC-G11, KFG-02, KDC-01
8.5 Measurement Block Diagram



< Emission of Bandwidth (FCC section 2.1049, ANSI/TIA-603-D section 2.2.11) >

SECTION 9: Spurious emission at Antenna Terminals

9.1 Test Procedure : FCC section 2.1051, ANSI/TIA-603-D section 2.2.13

The EUT was aligned for transmitter operation on 118 MHz (Low), 127.5 MHz(Mid), 136.975 MHz (High) at full rated power.

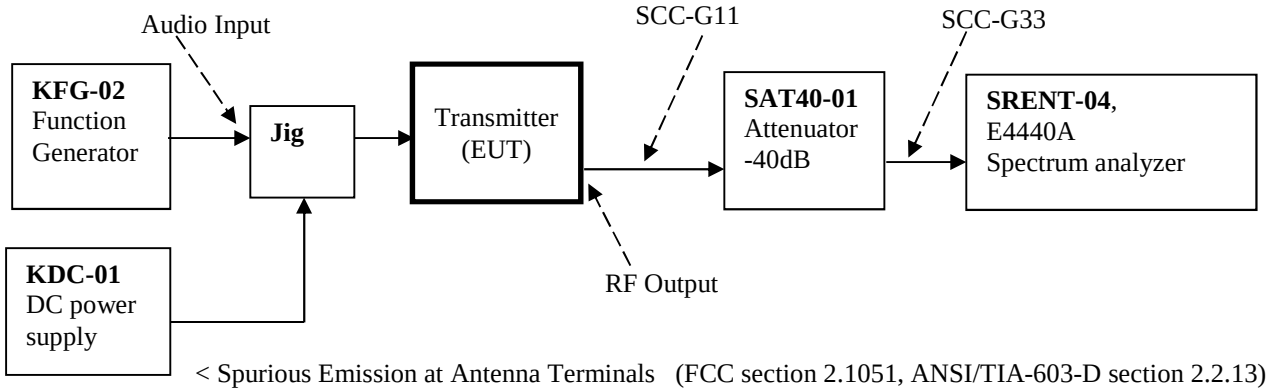
2) The Carrier is modulated by a 2.5 kHz tone at an input level 16 dB greater than that necessary to produce 50 percent modulation. The input level shall be established at the frequency of maximum response of the audio modulation.
(EUT audio input level: +15.8 dBm = 50 % modulation level: -0.2 dBm + 16 dB)

When the frequency is removed from the assigned frequency by more than 250 percent of the authorized bandwidth the attenuation for aircraft station transmitters must be at least 40 dB; and the attenuation for aeronautical station transmitters must be at least 43 + 10 log10 pY dB, < (-13 dBm)

Frequency	9 kHz to 150 kHz *1)	150 kHz to 30 MHz *1)	30 MHz to 1 GHz	Above 1 GHz
Instrument used	Spectrum Analyzer	Spectrum Analyzer	Spectrum Analyzer	Spectrum Analyzer
IF Bandwidth	PK: RBW: 200 Hz /VBW: 620 Hz	PK: RBW: 10 kHz /VBW: 30 kHz	PK: RBW: 10 kHz /VBW: 30 kHz	PK: RBW: 1 MHz /VBW: 3 MHz

*1) Reference data. In the frequency range below 30 MHz, RBW was narrowed to separate the noise contents.
Then, wide-band noise near the limit was checked separately, however the noise was not detected as shown in the chart.
(9 kHz-150 kHz: RBW = 200 Hz, 150 kHz-30 MHz: RBW=10 kHz)

9.2 Test Data : APPENDIX 1
9.3 Test result : Pass
9.4 Test Instrument : SRENT-04, SCC-G33, SAT40-01, SCC-G11, KFG-02, KDC-01
9.5 Measurement Block Diagram



< Spurious Emission at Antenna Terminals (FCC section 2.1051, ANSI/TIA-603-D section 2.2.13) >

SECTION 10: Field Strength of Spurious Emission

10.1 Test Procedure : FCC section 2.1053, ANSI/TIA-603-D section 2.2.12

1) The EUT was aligned for transmitter operation at full rated power.
2) The Carrier is modulated by a 2.5 kHz tone at an input level 16 dB greater than that necessary to produce 50 percent modulation. The input level shall be established at the frequency of maximum response of the audio modulation. (EUT audio input level: +15.8 dBm = 50 % modulation level: -0.2 dBm + 16 dB)
   Output of EUT was connected with dummy load attenuator 40 dB.
3) Tune-up the transmitter (EUT)
4) For each spurious measurement the receiving antenna is adjusted to the correct length for the frequency involved. These measurements are made from the lowest radio frequency generated in the EUT or 30 MHz to the tenth harmonics of the carrier.
5) EUT was placed on a urethane plate form of nominal size, 0.5 m by 0.5 m raised 0.8 m above the conducting ground plane.
   The Radiated Electric Field Strength intensity has been measured in semi anechoic chamber on a ground plane (above 1 GHz only) and at a distance of 3 m.
   The measuring antenna height was varied between 1 to 4m and the turn table was rotated a full revolution in order to obtain the maximum value of the electric field strength.
   The measurements were performed for both vertical and horizontal antenna polarization.
6) Exchanged the EUT to the Substitution Antenna, the measurement was set for the same height 0.8 m as the EUT. The frequency below 1 GHz of the Substitution Antenna was used the Half wave dipole Antenna, which was tuned the measured frequency in 1).
   The frequency above 1 GHz of the Substitution Antenna was used Horn Antenna.
   The Substitution Antenna was connected to the Signal Generator, and the polarized electromagnetic radiation of the Substitution Antenna was matched with the one of the measuring Antenna, which was set with the Signal Generator to the measured frequency in 1). Then, we set with the Output power (CW) of the Signal Generator where the measuring electromagnetic field strength is equal to the measured value in 1) by means of varying the measuring antenna height between 1 to 4 m to obtain maximum receiving level.
   Its Output power of Signal Generator was recorded.
7) Equivalent isotropic radiated power was calculated by subtracting the cable loss and the attenuator loss connected between the signal generator and the substitution antenna from the output power of the signal generator recorded in 2).
   For the usage of the antenna (dipole antenna, horn antenna) for the substitution antenna, the equivalent isotropic radiated power was calculated by compensating the finite substitution antenna.

Frequency	Below 1 GHz	Above 1 GHz
Instrument used	Spectrum Analyzer	Spectrum Analyzer
IF Bandwidth	Peak: RBW: 10 kHz/VBW: 300 kHz	Peak: RBW: 1 MHz/VBW: 3 MHz

When the frequency is removed from the assigned frequency by more than 250 percent of the authorized bandwidth the attenuation for aircraft station transmitters must be at least 40 dB; and the attenuation for aeronautical station transmitters must be at least 43 + 10 log 10 pY dB, < (-13 dBm)

10.2 Test Data : APPENDIX 1

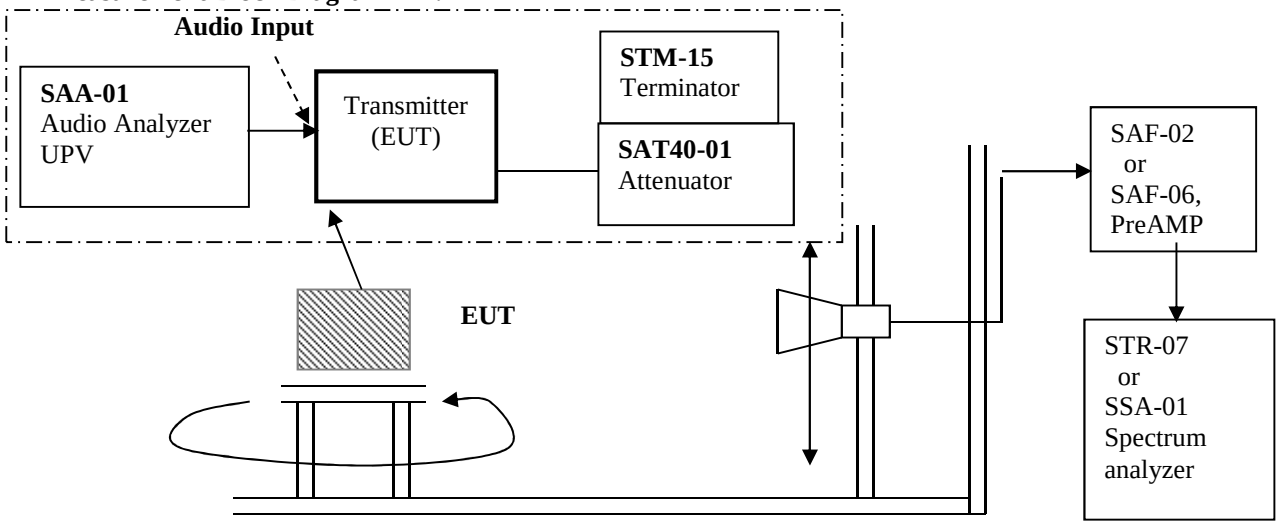
10.3 Test Result : Pass

10.4 Test Instrument :

[30 MHz-1 GHz]: SAEC-02, STR-07, SAF-02, SCC-B1/B3/B5/B7/B8/B13/SRSE-02, SAT6-02, SBA-02, SCC-B2/B4/B6/B7/B8/B13/SRSE-02, KAT3-11, SLA-02, SSG-02, SCC-07, SDA-07, SDA-08, SAA-01, SAT40-01, STM-15

[1 GHz-1.5 GHz]: SAEC-03, SSA-01, SCC-G23, SAF-06, SAT10-05, SCC-G02, SHA-03, SSG-02, SCC-G16, SHA-RS01, SAA-01, SAT40-01, STM-15

10.5 Measurement Block Diagram :



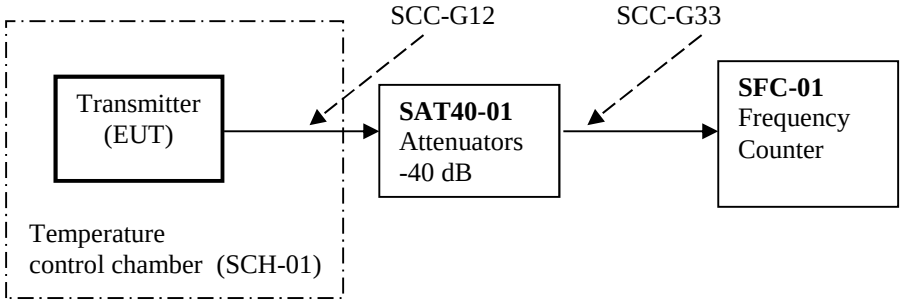
< Field Strength of Spurious Emission (FCC section 2.1053, ANSI/TIA-603-D section 2.2.12) >

SECTION 11: Frequency Stability

11.1 Test Procedure : FCC section 2.1055, ANSI/TIA-603-D section 2.2.2

The EUT was aligned for transmitter operation on 118MHz (Low), 127.5MHz(Mid), 136.975MHz (High) by unmodulation

11.2 Test Data : APPENDIX 1
11.3 Test Result : Pass
11.4 Test Instrument : SCH-01, SFC-01, SCC-G33, SAT40-01, SCC-G12, KDC-01
11.5 Measurement Block Diagram



< Frequency Stability (FCC section 2.1055, ANSI/TIA-603-D section 2.2.2) >

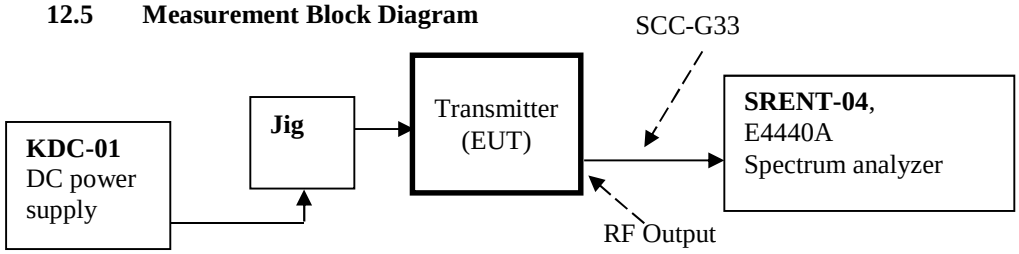
SECTION 12: Receiver spurious emission at Antenna Terminal

12.1 Test Procedure : FCC 2.1051, FCC 15.109, ANSI/TIA-603-D section 2.1.1

Frequency	9 kHz to 150 kHz *1)	150 kHz to 30 MHz *1)	30 MHz to 1 GHz
Instrument used	Spectrum Analyzer	Spectrum Analyzer	Spectrum Analyzer
IF Bandwidth	PK: RBW: 200 Hz /VBW: 620 Hz	PK: RBW: 10 kHz /VBW: 30 kHz	PK: RBW: 100 kHz /VBW: 300 kHz

*1) Reference data. In the frequency range below 30 MHz, RBW was narrowed to separate the noise contents.
Then, wide-band noise near the limit was checked separately, however the noise was not detected as shown in the chart.
(9 kHz-150 kHz: RBW = 200 Hz, 150 kHz-30 MHz: RBW = 10 kHz)

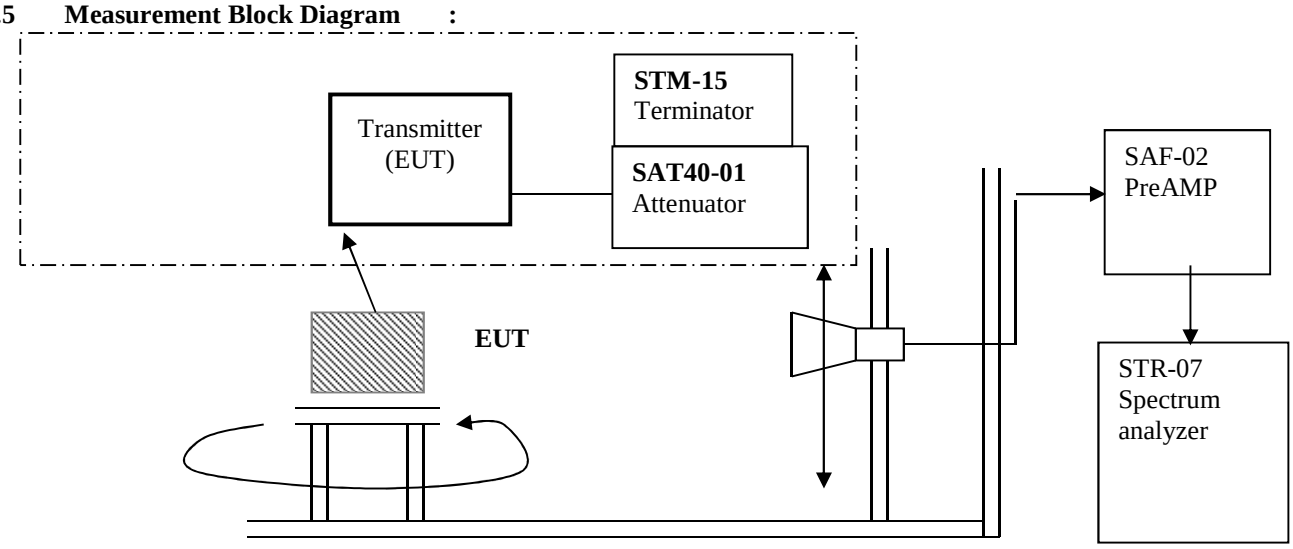
12.2 Test Data : APPENDIX 1
12.3 Test result : Pass
12.4 Test Instrument : SRENT-04, SCC-G33, KDC-01
12.5 Measurement Block Diagram



< Receiver spurious emission at Antenna Terminal (FCC15.109, ANSI/TIA-603-D section 2.1.1) >

SECTION 13: Receiver Spurious Emission

13.1 Test Procedure : FCC 2.1053, FCC 15.109, ANSI/TIA-603-D section 2.1.1
13.2 Test Data : APPENDIX 1
13.3 Test result : Pass
13.4 Test Instrument :
SAEC-02, STR-07, SAF-02, SCC-B1/B3/B5/B7/B8/B13/SRSE-02, SAT6-02, SBA-02,
SCC-B2/B4/B6/B7/B8/B13/SRSE-02, KAT3-11, SLA-02, SAT40-01, STM-15
13.5 Measurement Block Diagram :



< Field Strength of Spurious Emission (FCC 2.1053, FCC 15.109, ANSI/TIA-603-D section 2.1.1) >

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Receiver Spurious Emission at Antenna Terminal

Radiated Emission Test (Receiver spurious emissions)

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Test instruments

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Antenna terminal conducted tests

Revised date : November 13, 2015

APPENDIX 1: Data of Radio tests

Data of RF Output Power (Conducted)

UL Japan, Inc. Shonan EMC Lab.
No.5 Shielded room

COMPANY	Edmo Distributors, Inc.	REGULATION	FCC part 87 section 87.131 / part 2 section 2.1046
EQUIPMENT	VHF AM TRANSCEIVER		ANSI/TIA-603-D section 2.2.1
MODEL	FL-760A	TEST DISTANCE	-
Serial No.	Sample 1	DATE	October 21, 2015
POWER	DC 10.5 V to 16 V, DC 21 V to 33 V	TEMPERATURE	26 deg.C
MODE	Transmitting (Modulation OFF / ON)	HUMIDITY	48 %RH
		Engineer	Kenichi Adachi

(None modulation mode)

(None modulation, DC 33.0 V) (class of station: Aviation support)

Ch.	FREQ [MHz]	P/M Reading (Peak) [dBm]	Cable Loss [dB]	ATT Loss [dB]	Result [dBm]	Result [W]	Limit (50 W) [dBm]	Margin [dB]
L	118.000	-4.47	0.34	40.02	35.89	3.88	47.00	11.11
M	127.500	-3.57	0.35	40.04	36.82	4.81	47.00	10.18
H	136.975	-4.36	0.35	40.06	36.05	4.02	47.00	10.95

*Calculation : Result= P/M Reading + Cable Loss + ATT(=Attenuator) Loss

(None modulation, DC13.8V) (class of station: Aviation support)

Ch.	FREQ [MHz]	P/M Reading (Peak) [dBm]	Cable Loss [dB]	ATT Loss [dB]	Result [dBm]	Result [W]	Limit (50 W) [dBm]	Margin [dB]
L	118.000	-4.42	0.34	40.02	35.94	3.93	47.00	11.06
M	127.500	-3.50	0.35	40.04	**36.89**	**4.89**	47.00	10.11
H	136.975	-4.30	0.35	40.06	36.11	4.08	47.00	10.89

*Calculation : Result= P/M Reading + Cable Loss + ATT(=Attenuator) Loss

(None modulation, DC10.5V) (class of station: Aviation support)

Ch.	FREQ [MHz]	P/M Reading (Peak) [dBm]	Cable Loss [dB]	ATT Loss [dB]	Result [dBm]	Result [W]	Limit (50 W) [dBm]	Margin [dB]
L	118.000	-5.22	0.34	40.02	35.14	3.27	47.00	11.86
M	127.500	-4.35	0.35	40.04	36.04	4.02	47.00	10.96
H	136.975	-5.11	0.35	40.06	35.30	3.38	47.00	11.70

*Calculation : Result= P/M Reading + Cable Loss + ATT(=Attenuator) Loss

(Modulation mode) (class of station: Aviation support)

(DC 33.0 V, modulation, Audio 2.5 kHz, +16.41 dBV (Mic in)(50 % modulation input level (+0.41 dBV)+16 dB), Volume max)

Ch.	FREQ [MHz]	P/M Reading (Peak) [dBm]	Cable Loss [dB]	ATT Loss [dB]	Result [dBm]	Result [W]	Limit (50 W) [dBm]	Margin [dB]
L	118.000	-0.32	0.34	40.02	40.04	10.10	47.00	6.96
M	127.500	0.62	0.35	40.04	41.01	12.62	47.00	5.99
H	136.975	0.08	0.35	40.06	40.49	11.18	47.00	6.51

*Calculation : Result= P/M Reading + Cable Loss + ATT(=Attenuator) Loss

(class of station: Aviation support)

(DC 13.8 V, modulation, Audio 2.5 kHz, +15.80 dBV (Mic in)(50 % modulation input level (-0.20 dBV)+16 dB), Volume max)

Ch.	FREQ [MHz]	P/M Reading (Peak) [dBm]	Cable Loss [dB]	ATT Loss [dB]	Result [dBm]	Result [W]	Limit (50 W) [dBm]	Margin [dB]
L	118.000	-0.28	0.34	40.02	40.08	10.19	47.00	6.92
M	127.500	0.77	0.35	40.04	**41.16**	**13.06**	47.00	5.84
H	136.975	0.13	0.35	40.06	40.54	11.31	47.00	6.46

*Calculation : Result= P/M Reading + Cable Loss + ATT(=Attenuator) Loss

(class of station: Aviation support)

(DC 10.5 V, modulation, Audio 2.5 kHz, +14.45 dBV (Mic in)(50 % modulation input level (-1.55 dBV)+16 dB), Volume max)

Ch.	FREQ [MHz]	P/M Reading (Peak) [dBm]	Cable Loss [dB]	ATT Loss [dB]	Result [dBm]	Result [W]	Limit (50 W) [dBm]	Margin [dB]
L	118.000	-0.79	0.34	40.02	39.57	9.06	47.00	7.43
M	127.500	0.15	0.35	40.04	40.54	11.32	47.00	6.46
H	136.975	-0.33	0.35	40.06	40.08	10.18	47.00	6.92

*Calculation : Result= P/M Reading + Cable Loss + ATT(=Attenuator) Loss

Revised date : November 13, 2015

Data of RF Output Power (Conducted) (Reference)

UL Japan, Inc. Shonan EMC Lab.
No.5 Shielded room

COMPANY	Edmo Distributors, Inc.	REGULATION	FCC part 2 section 2.1046
EQUIPMENT	VHF AM TRANSCEIVER		ANSI/TIA-603-D section 2.2.1
MODEL	FL-760A	TEST DISTANCE	-
Serial No.	Sample 1	DATE	October 21, 2015
POWER	DC 10.5 V to 16 V, DC 21 V to 33 V	TEMPERATURE	26 deg.C
MODE	Transmitting (Modulation OFF / ON)	HUMIDITY	48 %RH
		Engineer	Kenichi Adachi

(None modulation mode)

(None modulation, DC 33.0 V) (class of station: Aviation support)

Ch.	FREQ [MHz]	P/M Reading (Average) [dBm]	Cable Loss [dB]	ATT Loss [dB]	Result [dBm]	Result [W]	Limit (50 W) [dBm]	Margin [dB]
L	118.000	-4.95	0.34	40.02	35.41	3.48	47.00	11.59
M	127.500	-3.94	0.35	40.04	36.45	4.41	47.00	10.55
H	136.975	-4.70	0.35	40.06	35.71	3.72	47.00	11.29

*Calculation : Result= P/M Reading + Cable Loss + ATT(=Attenuator) Loss

(None modulation, DC13.8V) (class of station: Aviation support)

Ch.	FREQ [MHz]	P/M Reading (Average) [dBm]	Cable Loss [dB]	ATT Loss [dB]	Result [dBm]	Result [W]	Limit (50 W) [dBm]	Margin [dB]
L	118.000	-4.93	0.34	40.02	35.43	3.49	47.00	11.57
M	127.500	-3.90	0.35	40.04	**36.49**	**4.46**	47.00	10.51
H	136.975	-4.65	0.35	40.06	35.76	3.76	47.00	11.24

*Calculation : Result= P/M Reading + Cable Loss + ATT(=Attenuator) Loss

(None modulation, DC10.5V) (class of station: Aviation support)

Ch.	FREQ [MHz]	P/M Reading (Average) [dBm]	Cable Loss [dB]	ATT Loss [dB]	Result [dBm]	Result [W]	Limit (50 W) [dBm]	Margin [dB]
L	118.000	-5.75	0.34	40.02	34.61	2.89	47.00	12.39
M	127.500	-4.77	0.35	40.04	35.62	3.65	47.00	11.38
H	136.975	-5.50	0.35	40.06	34.91	3.09	47.00	12.09

*Calculation : Result= P/M Reading + Cable Loss + ATT(=Attenuator) Loss

(Modulation mode) (class of station: Aviation support)

(DC 33.0 V, modulation, Audio 2.5 kHz, +16.41 dBV (Mic in)(50 % modulation input level (+0.41 dBV)+16 dB), Volume max)

Ch.	FREQ [MHz]	P/M Reading (Average) [dBm]	Cable Loss [dB]	ATT Loss [dB]	Result [dBm]	Result [W]	Limit (50 W) [dBm]	Margin [dB]
L	118.000	-4.19	0.34	40.02	36.17	4.14	47.00	10.83
M	127.500	-3.19	0.35	40.04	37.20	5.25	47.00	9.80
H	136.975	-3.77	0.35	40.06	36.64	4.61	47.00	10.36

*Calculation : Result= P/M Reading + Cable Loss + ATT(=Attenuator) Loss

(class of station: Aviation support)

(DC 13.8 V, modulation, Audio 2.5 kHz, +15.80 dBV (Mic in)(50 % modulation input level (-0.20 dBV)+16 dB), Volume max)

Ch.	FREQ [MHz]	P/M Reading (Average) [dBm]	Cable Loss [dB]	ATT Loss [dB]	Result [dBm]	Result [W]	Limit (50 W) [dBm]	Margin [dB]
L	118.000	-4.18	0.34	40.02	36.18	4.15	47.00	10.82
M	127.500	-3.14	0.35	40.04	**37.25**	**5.31**	47.00	9.75
H	136.975	-3.72	0.35	40.06	36.69	4.66	47.00	10.31

*Calculation : Result= P/M Reading + Cable Loss + ATT(=Attenuator) Loss

(class of station: Aviation support)

(DC 10.5 V, modulation, Audio 2.5 kHz, +14.45 dBV (Mic in)(50 % modulation input level (-1.55 dBV)+16 dB), Volume max)

Ch.	FREQ [MHz]	P/M Reading (Average) [dBm]	Cable Loss [dB]	ATT Loss [dB]	Result [dBm]	Result [W]	Limit (50 W) [dBm]	Margin [dB]
L	118.000	-4.85	0.34	40.02	35.51	3.56	47.00	11.49
M	127.500	-3.85	0.35	40.04	36.54	4.51	47.00	10.46
H	136.975	-4.39	0.35	40.06	36.02	4.00	47.00	10.98

*Calculation : Result= P/M Reading + Cable Loss + ATT(=Attenuator) Loss

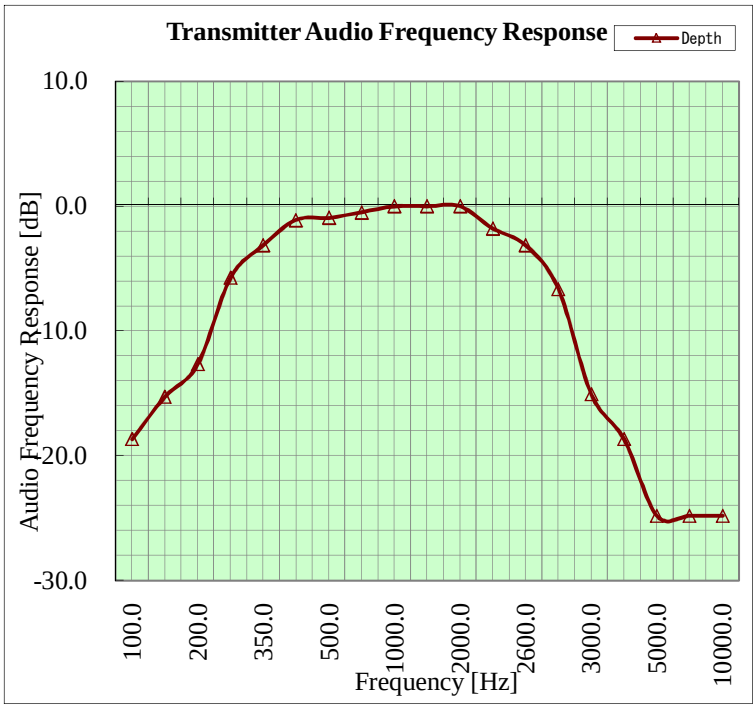
Data of Audio Frequency Response (Conducted)

UL Japan, Inc. Shonan EMC Lab.
No.5 Shielded room

COMPANY	Edmo Distributors, Inc.		
EQUIPMENT	VHF AM TRANSCEIVER	REGULATION	FCC part 2 section 2.1047 (a)
MODEL	FL-760A		ANSI/TIA-603-D section 2.2.6
Serial No.	Sample 1	TEST DISTANCE	-
POWER	DC 33.0 V	DATE	October 21, 2015
MODE	Transmitting (Modulation ON)	TEMPERATURE	26 deg.C
	127.5 MHz	HUMIDITY	48 %RH
	Input level at 20 % modulation at 1 kHz (-11.18 dBV)	Engineer	Kenichi Adachi

Frequency	(RF output)			Audio Response
	Min range	Max Range	Mod. Depth	
[Hz]	[mV]	[mV]	[%]	[dB]
100.0	336.0	352.0	2.3300	-18.6735
180.0	336.0	360.0	3.4500	-15.2642
200.0	328.0	360.0	4.6500	-12.6715
300.0	312.0	384.0	10.3400	-5.7302
350.0	296.0	392.0	13.9500	-3.1291
400.0	280.0	400.0	17.6500	-1.0857
500.0	278.0	400.0	17.9900	-0.9200
800.0	278.0	408.0	18.9500	-0.4684
1000.0	272.0	408.0	20.0000	0.0000
1500.0	272.0	408.0	20.0000	0.0000
2000.0	272.0	408.0	20.0000	0.0000
2500.0	288.0	400.0	16.2800	-1.7875
2600.0	296.0	392.0	13.9500	-3.1291
2700.0	312.0	376.0	9.3000	-6.6509
3000.0	328.0	352.0	3.5300	-15.0651
3500.0	336.0	352.0	2.3300	-18.6735
5000.0	344.0	352.0	1.1500	-24.8066
8000.0	344.0	352.0	1.1500	-24.8066
10000.0	344.0	352.0	1.1500	-24.8066

* RF output: EUT's RF output level (through 40dB Attenutor)



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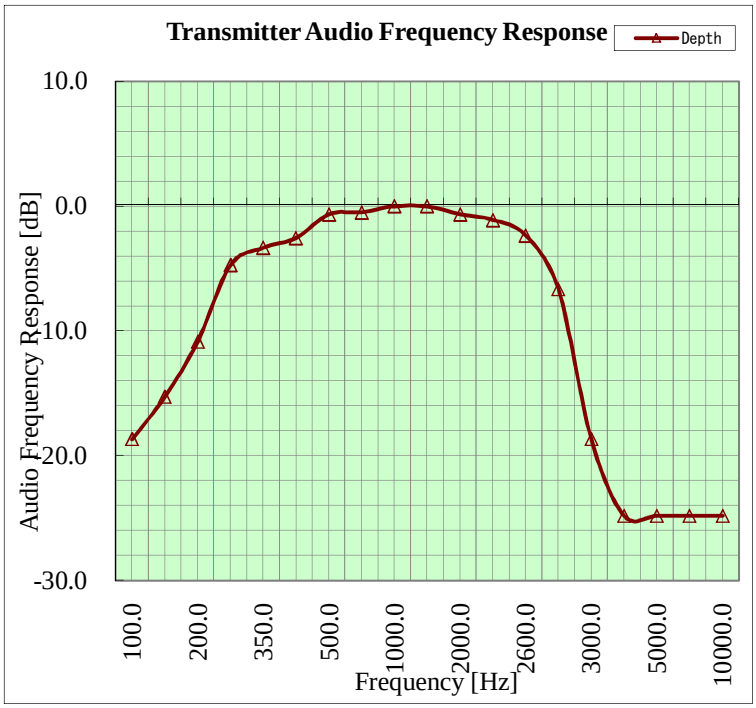
Data of Audio Frequency Response (Conducted)

UL Japan, Inc. Shonan EMC Lab.
No.5 Shielded room

COMPANY	Edmo Distributors, Inc.		
EQUIPMENT	VHF AM TRANSCEIVER	REGULATION	FCC part 2 section 2.1047 (a)
MODEL	FL-760A		ANSI/TIA-603-D section 2.2.6
Serial No.	Sample 1	TEST DISTANCE	-
POWER	DC 13.8 V	DATE	October 21, 2015
MODE	Transmitting (Modulation ON)	TEMPERATURE	26 deg.C
	127.5 MHz	HUMIDITY	48 %RH
	Input level at 20 % modulation at 1 kHz (-11.44 dBV)	Engineer	Kenichi Adachi

Frequency	(RF output)			Audio Response
	Min range	Max Range	Mod. Depth	
[Hz]	[mV]	[mV]	[%]	[dB]
100.0	336.0	352.0	2.3300	-18.6735
180.0	336.0	360.0	3.4500	-15.2642
200.0	328.0	368.0	5.7500	-10.8272
300.0	304.0	384.0	11.6300	-4.7090
350.0	304.0	400.0	13.6400	-3.3243
400.0	296.0	400.0	14.9400	-2.5336
500.0	280.0	408.0	18.6000	-0.6303
800.0	278.0	408.0	18.9500	-0.4684
1000.0	272.0	408.0	20.0000	0.0000
1500.0	272.0	408.0	20.0000	0.0000
2000.0	280.0	408.0	18.6000	-0.6303
2500.0	280.0	400.0	17.6500	-1.0857
2600.0	288.0	392.0	15.2900	-2.3325
2700.0	312.0	376.0	9.3000	-6.6509
3000.0	336.0	352.0	2.3300	-18.6735
3500.0	344.0	352.0	1.1500	-24.8066
5000.0	344.0	352.0	1.1500	-24.8066
8000.0	344.0	352.0	1.1500	-24.8066
10000.0	344.0	352.0	1.1500	-24.8066

* RF output: EUT's RF output level (through 40dB Attenutor)



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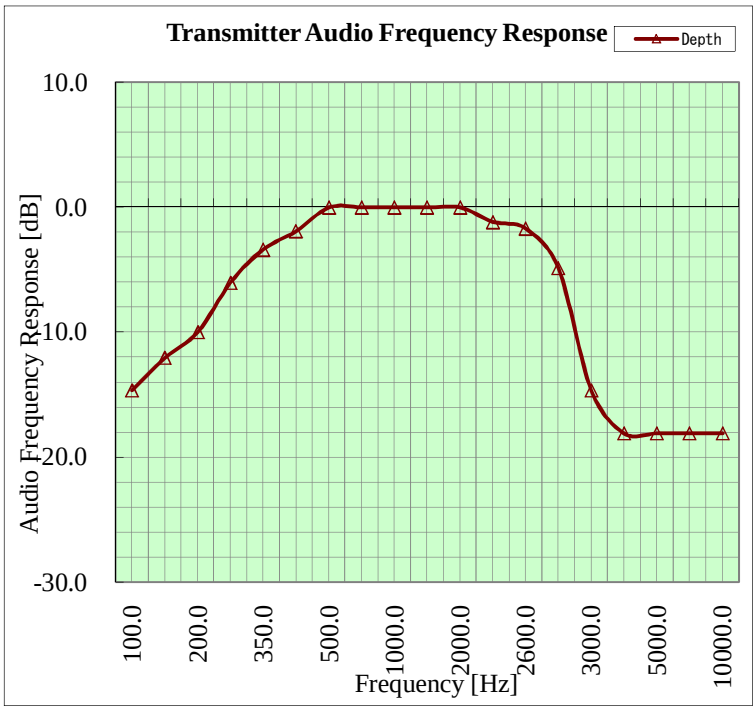
Data of Audio Frequency Response (Conducted)

UL Japan, Inc. Shonan EMC Lab.
No.5 Shielded room

COMPANY	Edmo Distributors, Inc.		
EQUIPMENT	VHF AM TRANSCEIVER	REGULATION	FCC part 2 section 2.1047 (a)
MODEL	FL-760A		ANSI/TIA-603-D section 2.2.6
Serial No.	Sample 1	TEST DISTANCE	-
POWER	DC 10.5 V	DATE	October 21, 2015
MODE	Transmitting (Modulation ON)	TEMPERATURE	26 deg.C
	127.5 MHz	HUMIDITY	48 %RH
	Input level at 20 % modulation at 1 kHz (-10.78 dBV)	Engineer	Kenichi Adachi

Frequency	(RF output)			Audio Response
	Min range	Max Range	Mod. Depth	
[Hz]	[mV]	[mV]	[%]	[dB]
100.0	304.0	328.0	3.8000	-14.6436
180.0	296.0	328.0	5.1300	-12.0370
200.0	288.0	328.0	6.4900	-9.9944
300.0	280.0	344.0	10.2600	-6.0164
350.0	272.0	360.0	13.9200	-3.3665
400.0	264.0	368.0	16.4600	-1.9107
500.0	248.0	376.0	20.5100	0.0000
800.0	248.0	376.0	20.5100	0.0000
1000.0	248.0	376.0	20.5100	0.0000
1500.0	248.0	376.0	20.5100	0.0000
2000.0	248.0	376.0	20.5100	0.0000
2500.0	256.0	368.0	17.9500	-1.1580
2600.0	256.0	360.0	16.8800	-1.6919
2700.0	272.0	344.0	11.6900	-4.8830
3000.0	304.0	328.0	3.8000	-14.6436
3500.0	304.0	320.0	2.5600	-18.0745
5000.0	304.0	320.0	2.5600	-18.0745
8000.0	304.0	320.0	2.5600	-18.0745
10000.0	304.0	320.0	2.5600	-18.0745

* RF output: EUT's RF output level (through 40dB Attenutor)



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Data of Audio Frequency Response (Conducted)

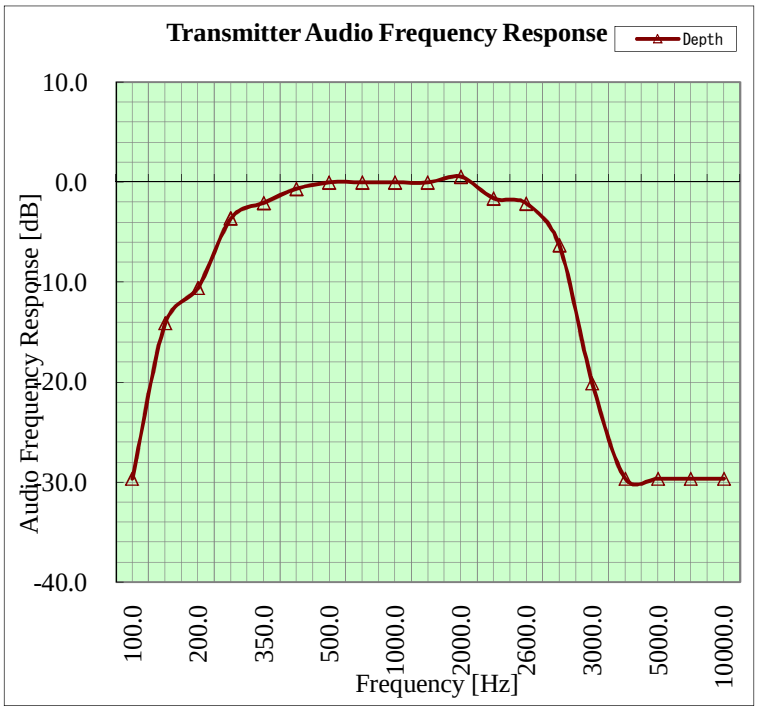
(Reference data)

UL Japan, Inc. Shonan EMC Lab.
No.5 Shielded room

COMPANY	Edmo Distributors, Inc.		
EQUIPMENT	VHF AM TRANSCEIVER	REGULATION	FCC part 2 section 2.1047 (a)
MODEL	FL-760A		ANSI/TIA-603-D section 2.2.6
Serial No.	Sample 1	TEST DISTANCE	-
POWER	DC 33.0 V	DATE	October 21, 2015
MODE	Transmitting (Modulation ON)	TEMPERATURE	26 deg.C
	127.5 MHz	HUMIDITY	48 %RH
	Input level at 70 % modulation (+1.68 dBV)	Engineer	Kenichi Adachi

Frequency	(RF output)			Audio Response
	Min range	Max Range	Mod. Depth	
[Hz]	[mV]	[mV]	[%]	[dB]
100.0	336.0	352.0	2.3300	-29.6130
180.0	296.0	392.0	13.9500	-14.0686
200.0	272.0	416.0	20.9300	-10.5447
300.0	184.0	504.0	46.5100	-3.6092
350.0	152.0	536.0	55.8100	-2.0258
400.0	120.0	576.0	65.5200	-0.6326
500.0	88.0	508.0	70.4700	0.0000
800.0	88.0	512.0	70.6700	0.0246
1000.0	88.0	508.0	70.4700	0.0000
1500.0	88.0	508.0	70.4700	0.0000
2000.0	72.0	508.0	75.1700	0.5608
2500.0	144.0	552.0	58.6200	-1.5992
2600.0	152.0	528.0	55.2900	-2.1072
2700.0	224.0	456.0	34.1200	-6.2999
3000.0	320.0	368.0	6.9800	-20.0830
3500.0	336.0	352.0	2.3300	-29.6130
5000.0	336.0	352.0	2.3300	-29.6130
8000.0	336.0	352.0	2.3300	-29.6130
10000.0	336.0	352.0	2.3300	-29.6130

* RF output: EUT's RF output level (through 40dB Attenutor)



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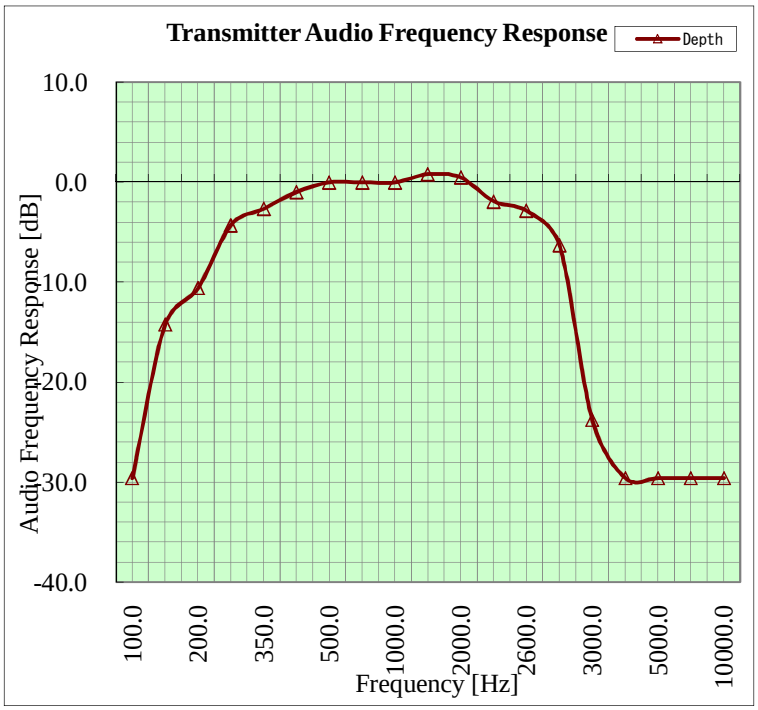
Data of Audio Frequency Response (Conducted)

(Reference data)

UL Japan, Inc. Shonan EMC Lab.
No.5 Shielded room

COMPANY	Edmo Distributors, Inc.		
EQUIPMENT	VHF AM TRANSCEIVER	REGULATION	FCC part 2 section 2.1047 (a)
MODEL	FL-760A		ANSI/TIA-603-D section 2.2.6
Serial No.	Sample 1	TEST DISTANCE	-
POWER	DC 13.8 V	DATE	October 21, 2015
MODE	Transmitting (Modulation ON)	TEMPERATURE	26 deg.C
	127.5 MHz	HUMIDITY	48 %RH
	Input level at 70 % modulation (+1.11 dBV)	Engineer	Kenichi Adachi

Frequency	(RF output)			Audio Response
	Min range	Max Range	Mod. Depth	
[Hz]	[mV]	[mV]	[%]	[dB]
100.0	336.0	352.0	2.3300	-29.5660
180.0	304.0	400.0	13.6400	-14.2168
200.0	268.0	408.0	20.7100	-10.5895
300.0	192.0	480.0	42.8600	-4.2721
350.0	168.0	528.0	51.7200	-2.6400
400.0	128.0	560.0	62.7900	-0.9553
500.0	104.0	592.0	70.1100	0.0025
800.0	104.0	592.0	70.1100	0.0025
1000.0	96.0	546.0	70.0900	0.0000
1500.0	78.0	600.0	76.9900	0.8156
2000.0	88.0	592.0	74.1200	0.4856
2500.0	152.0	544.0	56.3200	-1.8999
2600.0	176.0	536.0	50.5600	-2.8370
2700.0	232.0	472.0	34.0900	-6.2606
3000.0	336.0	368.0	4.5500	-23.7529
3500.0	336.0	352.0	2.3300	-29.5660
5000.0	336.0	352.0	2.3300	-29.5660
8000.0	336.0	352.0	2.3300	-29.5660
10000.0	336.0	352.0	2.3300	-29.5660



* RF output: EUT's RF output level (through 40dB Attenutor)

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Data of Audio Frequency Response (Conducted)

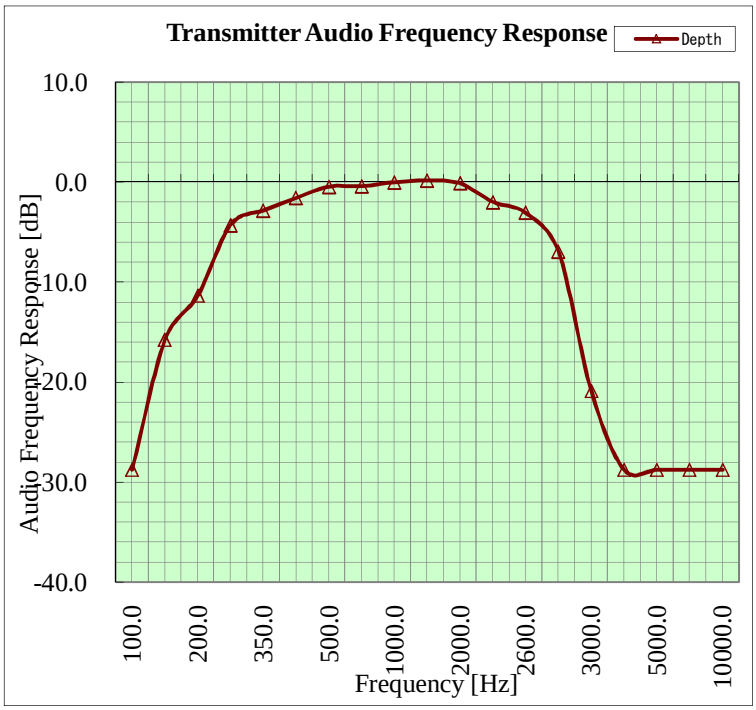
(Reference data)

UL Japan, Inc. Shonan EMC Lab.
No.5 Shielded room

COMPANY	Edmo Distributors, Inc.		
EQUIPMENT	VHF AM TRANSCEIVER	REGULATION	FCC part 2 section 2.1047 (a)
			ANSI/TIA-603-D section 2.2.6
MODEL	FL-760A		
Serial No.	Sample 1	TEST DISTANCE	-
POWER	DC 10.5 V	DATE	October 21, 2015
MODE	Transmitting (Modulation ON)	TEMPERATURE	26 deg.C
	127.5 MHz	HUMIDITY	48 %RH
	Input level at 70 % modulation (-0.10 dBV)	Engineer	Kenichi Adachi

Frequency	(RF output)			Audio Response
	Min range	Max Range	Mod. Depth	
[Hz]	[mV]	[mV]	[%]	[dB]
100.0	304.0	320.0	2.5600	-28.7372
180.0	280.0	352.0	11.3900	-15.7715
200.0	256.0	376.0	18.9900	-11.3315
300.0	176.0	440.0	42.8600	-4.2609
350.0	152.0	464.0	50.6500	-2.8104
400.0	128.0	488.0	58.4400	-1.5678
500.0	104.0	520.0	66.6700	-0.4234
800.0	104.0	528.0	67.0900	-0.3688
1000.0	96.0	544.0	70.0000	0.0000
1500.0	88.0	528.0	71.4300	0.1757
2000.0	96.0	528.0	69.2300	-0.0961
2500.0	136.0	480.0	55.8400	-1.9631
2600.0	160.0	472.0	49.3700	-3.0327
2700.0	216.0	416.0	31.6500	-6.8945
3000.0	296.0	336.0	6.3300	-20.8739
3500.0	304.0	320.0	2.5600	-28.7372
5000.0	304.0	320.0	2.5600	-28.7372
8000.0	304.0	320.0	2.5600	-28.7372
10000.0	304.0	320.0	2.5600	-28.7372

* RF output: EUT's RF output level (through 40dB Attenutor)



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Data of Modulation Limiting (Conducted)

UL Japan, Inc. Shonan EMC Lab.
No.5 Shielded room

COMPANY	Edmo Distributors, Inc.	REGULATION	FCC part 87 section 87.141 /
EQUIPMENT	VHF AM TRANSCEIVER		FCC part 2 section 2.1047 (b)
MODEL	FL-760A		ANSI/TIA-603-D section 2.2.3
Serial No.	Sample 1	TEST DISTANCE	-
POWER	DC 33.0 V	DATE	October 20, 2015
MODE	Transmitting (Modulation ON)	TEMPERATURE	24 deg.C
	127.5 MHz	HUMIDITY	46 %RH
		Engineer	Kenichi Adachi

Transmitting 127.5 MHz

Audio	Modulation Depth [%]														
input	(RF output)		300 Hz	(RF output)		350 Hz	(RF output)		1 kHz	(RF output)		2.5 kHz	(RF output) *1)		3 kHz
(jig-	Min	Max	Mod.	Min	Max	Mod.	Min	Max	Mod.	Min	Max	Mod.	Min	Max	Mod.
input)	range	Range	Depth	range	Range	Depth	range	Range	Depth	range	Range	Depth	range	Range	Depth
[dBV]	[mV]	[mV]	[%]	[mV]	[mV]	[%]	[mV]	[mV]	[%]	[mV]	[mV]	[%]	[mV]	[mV]	[%]
-30.0	**344.0**	**352.0**	1.15	**336.0**	**352.0**	2.33	**336.0**	**352.0**	2.33	**328.0**	**352.0**	3.53	**344.0**	**352.0**	1.15
-29.0	342.0	352.0	1.44	334.0	352.0	2.62	334.0	355.0	3.05	328.0	352.0	3.53	342.0	350.0	1.16
-28.0	341.0	352.0	1.59	333.0	352.0	2.77	333.0	358.0	3.62	328.0	352.0	3.53	341.0	349.0	1.16
-27.0	339.0	352.0	1.88	331.0	352.0	3.07	331.0	361.0	4.34	328.0	352.0	3.53	339.0	347.0	1.17
-26.0	338.0	352.0	2.03	330.0	352.0	3.23	330.0	365.0	5.04	328.0	352.0	3.53	338.0	346.0	1.17
-25.0	**336.0**	**352.0**	2.33	**328.0**	**352.0**	3.53	**328.0**	**368.0**	5.75	**328.0**	**352.0**	3.53	**336.0**	**344.0**	1.18
-24.0	336.0	354.0	2.61	328.0	354.0	3.81	327.0	368.0	5.90	330.0	355.0	3.65	336.0	346.0	1.47
-23.0	336.0	356.0	2.89	328.0	357.0	4.23	326.0	368.0	6.05	332.0	358.0	3.77	336.0	348.0	1.75
-22.0	336.0	357.0	3.03	328.0	359.0	4.51	325.0	368.0	6.20	333.0	361.0	4.03	336.0	349.0	1.90
-21.0	336.0	359.0	3.31	328.0	362.0	4.93	325.0	368.0	6.20	335.0	365.0	4.29	336.0	351.0	2.18
-20.0	**336.0**	**360.0**	3.45	**328.0**	**364.0**	5.20	**324.0**	**368.0**	6.36	**336.0**	**368.0**	4.55	**336.0**	**352.0**	2.33
-19.0	333.0	362.0	4.17	325.0	366.0	5.93	318.0	371.0	7.69	330.0	370.0	5.71	334.0	350.0	2.34
-18.0	330.0	364.0	4.90	322.0	369.0	6.80	313.0	374.0	8.88	324.0	372.0	6.90	333.0	349.0	2.35
-17.0	327.0	365.0	5.49	319.0	371.0	7.54	307.0	377.0	10.23	317.0	373.0	8.12	331.0	347.0	2.36
-16.0	324.0	367.0	6.22	316.0	374.0	8.41	302.0	381.0	11.57	311.0	375.0	9.33	330.0	346.0	2.37
-15.0	**320.0**	**368.0**	6.98	**312.0**	**376.0**	9.30	**296.0**	**384.0**	12.94	**304.0**	**376.0**	10.59	**328.0**	**344.0**	2.38
-14.0	314.0	371.0	8.32	307.0	379.0	10.50	290.0	390.0	14.71	299.0	381.0	12.06	330.0	346.0	2.37
-13.0	308.0	374.0	9.68	302.0	382.0	11.70	284.0	397.0	16.59	294.0	386.0	13.53	332.0	348.0	2.35
-12.0	301.0	377.0	11.21	297.0	385.0	12.90	277.0	403.0	18.53	289.0	391.0	15.00	333.0	349.0	2.35
-11.0	295.0	381.0	12.72	293.0	389.0	14.08	271.0	410.0	20.41	285.0	396.0	16.30	335.0	351.0	2.33
-10.0	**288.0**	**384.0**	14.29	**288.0**	**392.0**	15.29	**264.0**	**416.0**	22.35	**280.0**	**400.0**	17.65	**336.0**	**352.0**	2.33
-9.0	285.0	390.0	15.56	282.0	400.0	17.30	254.0	424.0	25.07	274.0	408.0	19.65	334.0	352.0	2.62
-8.0	282.0	397.0	16.94	276.0	408.0	19.30	245.0	432.0	27.62	268.0	416.0	21.64	333.0	352.0	2.77
-7.0	279.0	403.0	18.18	269.0	416.0	21.46	235.0	440.0	30.37	261.0	424.0	23.80	331.0	352.0	3.07
-6.0	276.0	410.0	19.53	263.0	424.0	23.44	226.0	448.0	32.94	255.0	432.0	25.76	330.0	352.0	3.23
-5.0	**272.0**	**416.0**	20.93	**256.0**	**432.0**	25.58	**216.0**	**456.0**	35.71	**248.0**	**440.0**	27.91	**328.0**	**352.0**	3.53
-4.0	261.0	427.0	24.13	240.0	446.0	30.03	198.0	474.0	41.07	234.0	453.0	31.88	328.0	354.0	3.81
-3.0	250.0	438.0	27.33	224.0	461.0	34.60	181.0	492.0	46.21	220.0	466.0	35.86	328.0	356.0	4.09
-2.0	239.0	449.0	30.52	208.0	475.0	39.09	163.0	509.0	51.49	205.0	479.0	40.06	328.0	357.0	4.23
-1.0	228.0	461.0	33.82	192.0	490.0	43.70	146.0	527.0	56.61	191.0	492.0	44.07	328.0	359.0	4.51
0.0	**216.0**	**472.0**	37.21	**176.0**	**504.0**	48.24	**128.0**	**544.0**	61.90	**176.0**	**504.0**	48.24	**328.0**	**360.0**	4.65
1.0	195.0	490.0	43.07	154.0	525.0	54.64	112.0	562.0	66.77	160.0	517.0	52.73	325.0	362.0	5.39
2.0	174.0	508.0	48.97	132.0	546.0	61.06	96.0	580.0	71.60	144.0	530.0	57.27	322.0	364.0	6.12
3.0	153.0	525.0	54.87	109.0	567.0	67.75	80.0	597.0	76.37	128.0	543.0	61.85	319.0	365.0	6.73
4.0	133.0	543.0	60.65	87.0	588.0	74.22	64.0	615.0	81.15	112.0	556.0	66.47	316.0	367.0	7.47
5.0	**112.0**	**560.0**	66.67	**64.0**	**608.0**	80.95	**48.0**	**632.0**	85.88	**96.0**	**568.0**	71.08	**312.0**	**368.0**	8.24
6.0	107.0	563.0	68.06	64.0	610.0	81.01	48.0	631.0	85.86	96.0	568.0	71.08	314.0	368.0	7.92
7.0	102.0	566.0	69.46	64.0	612.0	81.07	48.0	630.0	85.84	96.0	568.0	71.08	316.0	368.0	7.60
8.0	97.0	569.0	70.87	64.0	613.0	81.09	48.0	629.0	85.82	96.0	568.0	71.08	318.0	368.0	7.29
9.0	93.0	573.0	72.07	64.0	615.0	81.15	48.0	629.0	85.82	96.0	568.0	71.08	320.0	368.0	6.98
10.0	**88.0**	**576.0**	73.49	**64.0**	**616.0**	81.18	**48.0**	**628.0**	85.80	**96.0**	**568.0**	71.08	**321.0**	**368.0**	6.82
11.0	88.0	579.0	73.61	64.0	616.0	81.18	48.0	628.0	85.80	96.0	568.0	71.08	321.0	370.0	7.09
12.0	88.0	582.0	73.73	64.0	616.0	81.18	48.0	628.0	85.80	96.0	568.0	71.08	321.0	372.0	7.36
13.0	88.0	585.0	73.85	64.0	616.0	81.18	48.0	628.0	85.80	96.0	568.0	71.08	321.0	373.0	7.49
14.0	88.0	589.0	74.00	64.0	616.0	81.18	48.0	628.0	85.80	96.0	568.0	71.08	321.0	375.0	7.76
15.0	**88.0**	**592.0**	74.12	**64.0**	**616.0**	81.18	**48.0**	**628.0**	85.80	**96.0**	**568.0**	71.08	**320.0**	**376.0**	8.05
16.0	88.0	592.0	74.12	64.0	616.0	81.18	46.0	629.0	86.37	96.0	568.0	71.08	320.0	376.0	8.05
17.0	88.0	592.0	74.12	64.0	616.0	81.18	45.0	630.0	86.67	96.0	568.0	71.08	320.0	376.0	8.05
18.0	88.0	592.0	74.12	64.0	616.0	81.18	43.0	631.0	87.24	96.0	568.0	71.08	320.0	376.0	8.05
19.0	88.0	592.0	74.12	64.0	616.0	81.18	42.0	632.0	87.54	96.0	568.0	71.08	320.0	376.0	8.05
20.0	**88.0**	**592.0**	74.12	**64.0**	**616.0**	81.18	**40.0**	**632.0**	88.10	**96.0**	**568.0**	71.08	**320.0**	**376.0**	8.05

* Input Frequency 300 Hz, 350 Hz, 1 kHz, 2.5 kHz, 3 kHz

* RF output EUT's RF output level (through 40dB Attenutor)

maximum modulation value: 88.10 %

1 kHz, 20 % = -11.18 dBV 2.5 kHz, 20 % = -8.8 dBV

1 kHz, 50 % = -2.27 dBV 2.5 kHz, 50 % = +0.41 dBV

1 kHz, 70 % = +1.68 dV

*1) 3 kHz signal is outside specification.
(Reference data)

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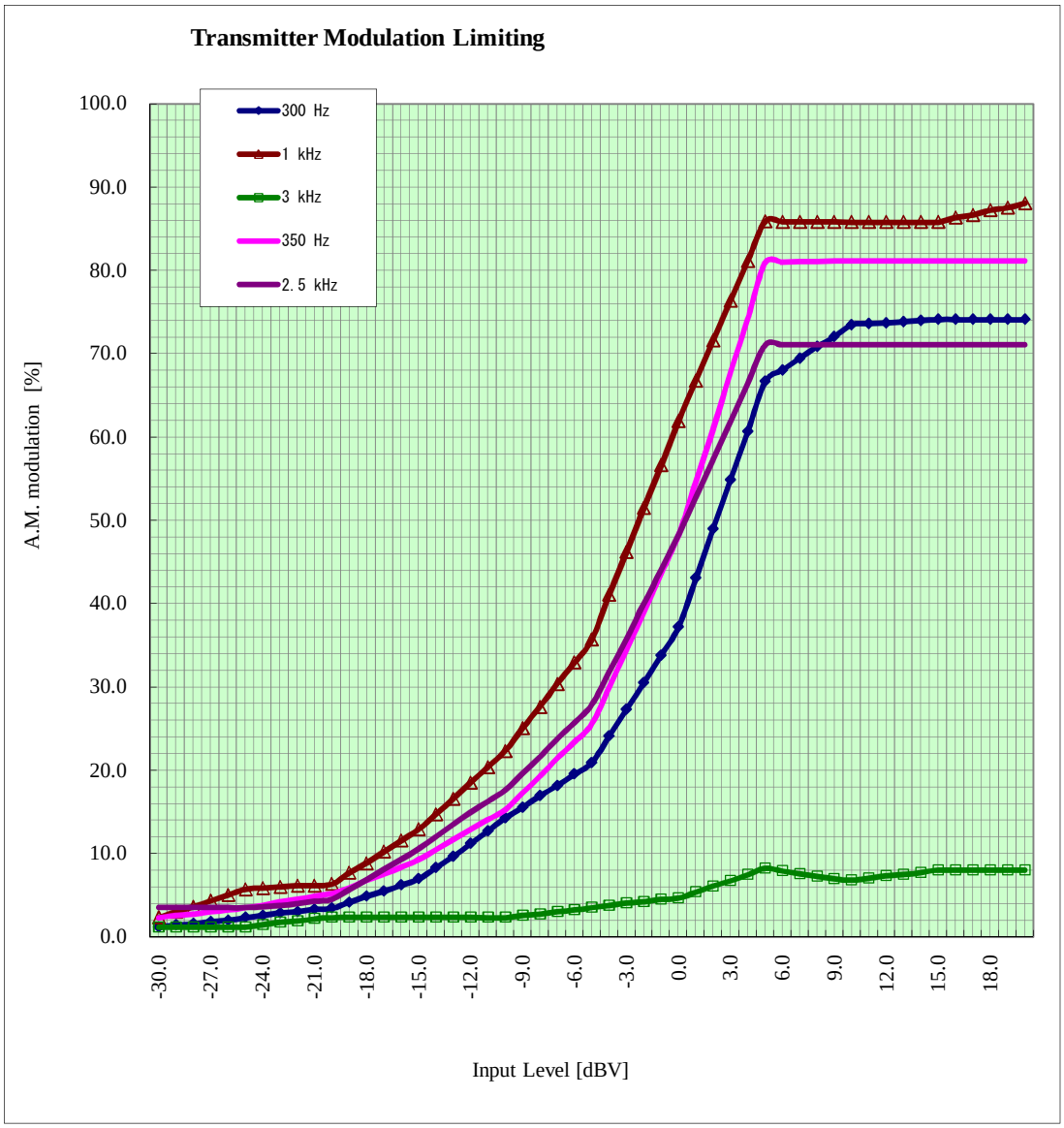
Data of Modulation Limiting (Conducted)

DC 33.0 V



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Data of Modulation Limiting (Conducted)

UL Japan, Inc. Shonan EMC Lab.
No.5 Shielded room

COMPANY	Edmo Distributors, Inc.	REGULATION	FCC part 87 section 87.141 /
EQUIPMENT	VHF AM TRANSCEIVER		FCC part 2 section 2.1047 (b)
MODEL	FL-760A		ANSI/TIA-603-D section 2.2.3
Serial No.	Sample 1	TEST DISTANCE	-
POWER	DC 13.8 V	DATE	October 20, 2015
MODE	Transmitting (Modulation ON)	TEMPERATURE	24 deg.C
	127.5 MHz	HUMIDITY	46 %RH
		Engineer	Kenichi Adachi

Transmitting 127.5 MHz

Audio	Modulation Depth [%]														
input	(RF output)		300 Hz	(RF output)		350 Hz	(RF output)		1 kHz	(RF output)		2.5 kHz	(RF output) *1)		3 kHz
(jig-	Min	Max	Mod.	Min	Max	Mod.	Min	Max	Mod.	Min	Max	Mod.	Min	Max	Mod.
input)	range	Range	Depth	range	Range	Depth	range	Range	Depth	range	Range	Depth	range	Range	Depth
[dBV]	[mV]	[mV]	[%]	[mV]	[mV]	[%]	[mV]	[mV]	[%]	[mV]	[mV]	[%]	[mV]	[mV]	[%]
-30.0	**344.0**	**352.0**	1.15	**336.0**	**352.0**	2.33	**336.0**	**352.0**	2.33	**328.0**	**352.0**	3.53	**344.0**	**352.0**	1.15
-29.0	342.0	352.0	1.44	334.0	352.0	2.62	334.0	355.0	3.05	328.0	352.0	3.53	342.0	350.0	1.16
-28.0	341.0	352.0	1.59	333.0	352.0	2.77	333.0	358.0	3.62	328.0	352.0	3.53	341.0	349.0	1.16
-27.0	339.0	352.0	1.88	331.0	352.0	3.07	331.0	361.0	4.34	328.0	352.0	3.53	339.0	347.0	1.17
-26.0	338.0	352.0	2.03	330.0	352.0	3.23	330.0	365.0	5.04	328.0	352.0	3.53	338.0	346.0	1.17
-25.0	**336.0**	**352.0**	2.33	**328.0**	**352.0**	3.53	**328.0**	**368.0**	5.75	**328.0**	**352.0**	3.53	**336.0**	**344.0**	1.18
-24.0	334.0	354.0	2.91	328.0	354.0	3.81	325.0	368.0	6.20	328.0	355.0	3.95	336.0	346.0	1.47
-23.0	333.0	356.0	3.34	328.0	356.0	4.09	322.0	368.0	6.67	328.0	358.0	4.37	336.0	348.0	1.75
-22.0	331.0	357.0	3.78	328.0	357.0	4.23	319.0	368.0	7.13	328.0	361.0	4.79	336.0	349.0	1.90
-21.0	330.0	359.0	4.21	328.0	359.0	4.51	316.0	368.0	7.60	328.0	365.0	5.34	336.0	351.0	2.18
-20.0	**328.0**	**360.0**	4.65	**328.0**	**360.0**	4.65	**312.0**	**368.0**	8.24	**328.0**	**368.0**	5.75	**336.0**	**352.0**	2.33
-19.0	326.0	362.0	5.23	325.0	363.0	5.52	309.0	371.0	9.12	323.0	370.0	6.78	334.0	350.0	2.34
-18.0	325.0	364.0	5.66	322.0	366.0	6.40	306.0	374.0	10.00	318.0	372.0	7.83	333.0	349.0	2.35
-17.0	323.0	365.0	6.10	319.0	369.0	7.27	303.0	377.0	10.88	313.0	373.0	8.75	331.0	347.0	2.36
-16.0	322.0	367.0	6.53	316.0	373.0	8.27	300.0	381.0	11.89	309.0	375.0	9.65	330.0	346.0	2.37
-15.0	**320.0**	**368.0**	6.98	**312.0**	**376.0**	9.30	**296.0**	**384.0**	12.94	**304.0**	**376.0**	10.59	**328.0**	**344.0**	2.38
-14.0	317.0	373.0	8.12	307.0	382.0	10.89	288.0	389.0	14.92	299.0	381.0	12.06	326.0	346.0	2.98
-13.0	314.0	378.0	9.25	302.0	389.0	12.59	280.0	394.0	16.91	294.0	386.0	13.53	325.0	348.0	3.42
-12.0	311.0	383.0	10.37	297.0	395.0	14.16	272.0	399.0	18.93	289.0	391.0	15.00	323.0	349.0	3.87
-11.0	308.0	388.0	11.49	293.0	402.0	15.68	264.0	404.0	20.96	285.0	396.0	16.30	322.0	351.0	4.31
-10.0	**304.0**	**392.0**	12.64	**288.0**	**408.0**	17.24	**256.0**	**408.0**	22.89	**280.0**	**400.0**	17.65	**320.0**	**352.0**	4.76
-9.0	296.0	397.0	14.57	280.0	414.0	19.31	250.0	419.0	25.26	**272.0**	**408.0**	20.00	320.0	354.0	5.04
-8.0	288.0	402.0	16.52	272.0	421.0	21.50	244.0	430.0	27.60	262.0	416.0	22.71	320.0	356.0	5.33
-7.0	280.0	407.0	18.49	264.0	427.0	23.59	237.0	441.0	30.09	252.0	424.0	25.44	320.0	357.0	5.47
-6.0	272.0	412.0	20.47	256.0	434.0	25.80	231.0	453.0	32.46	242.0	432.0	28.19	320.0	359.0	5.74
-5.0	**264.0**	**416.0**	22.35	**248.0**	**440.0**	27.91	**224.0**	**464.0**	34.88	**232.0**	**440.0**	30.95	**320.0**	**360.0**	5.88
-4.0	254.0	427.0	25.40	237.0	453.0	31.30	206.0	480.0	39.94	218.0	454.0	35.12	320.0	360.0	5.88
-3.0	245.0	438.0	28.26	226.0	466.0	34.68	189.0	496.0	44.82	204.0	469.0	39.38	320.0	360.0	5.88
-2.0	235.0	449.0	31.29	215.0	479.0	38.04	**176.0**	**512.0**	48.84	189.0	483.0	43.75	320.0	360.0	5.88
-1.0	226.0	461.0	34.21	204.0	492.0	41.38	**168.0**	**536.0**	52.27	**184.0**	**496.0**	45.88	320.0	360.0	5.88
0.0	**216.0**	**472.0**	37.21	**192.0**	**504.0**	44.83	**136.0**	**544.0**	60.00	**160.0**	**512.0**	52.38	**320.0**	**360.0**	5.88
1.0	195.0	491.0	43.15	166.0	525.0	51.95	**104.0**	**568.0**	69.05	149.0	526.0	55.85	318.0	362.0	6.47
2.0	174.0	510.0	49.12	141.0	546.0	58.95	**72.0**	**600.0**	78.57	138.0	541.0	59.35	317.0	364.0	6.90
3.0	153.0	529.0	55.13	115.0	567.0	66.28	64.0	611.0	81.04	127.0	555.0	62.76	315.0	365.0	7.35
4.0	133.0	549.0	61.00	90.0	588.0	73.45	56.0	622.0	83.48	116.0	570.0	66.18	314.0	367.0	7.78
5.0	**112.0**	**568.0**	67.06	**64.0**	**608.0**	80.95	**48.0**	**632.0**	85.88	**104.0**	**584.0**	69.77	**312.0**	**368.0**	8.24
6.0	**88.0**	**592.0**	74.12	64.0	610.0	81.01	**40.0**	**632.0**	88.10	102.0	584.0	70.26	312.0	368.0	8.24
7.0	**88.0**	**592.0**	74.12	64.0	612.0	81.07	**40.0**	**632.0**	88.10	101.0	584.0	70.51	312.0	368.0	8.24
8.0	85.0	592.0	74.89	64.0	613.0	81.09	**40.0**	**632.0**	88.10	99.0	584.0	71.01	312.0	368.0	8.24
9.0	83.0	592.0	75.41	64.0	615.0	81.15	**40.0**	**632.0**	88.10	98.0	584.0	71.26	312.0	368.0	8.24
10.0	**80.0**	**592.0**	76.19	**64.0**	**616.0**	81.18	**40.0**	**632.0**	88.10	**96.0**	**584.0**	71.76	**312.0**	**368.0**	8.24
11.0	80.0	592.0	76.19	64.0	616.0	81.18	40.0	632.0	88.10	96.0	584.0	71.76	310.0	366.0	8.28
12.0	80.0	592.0	76.19	64.0	616.0	81.18	40.0	632.0	88.10	96.0	584.0	71.76	309.0	365.0	8.31
13.0	80.0	592.0	76.19	64.0	616.0	81.18	40.0	632.0	88.10	96.0	584.0	71.76	307.0	363.0	8.36
14.0	80.0	592.0	76.19	64.0	616.0	81.18	40.0	632.0	88.10	96.0	584.0	71.76	306.0	362.0	8.38
15.0	**80.0**	**592.0**	76.19	**64.0**	**616.0**	81.18	**40.0**	**632.0**	88.10	**96.0**	**584.0**	71.76	**304.0**	**360.0**	8.43
16.0	80.0	592.0	76.19	64.0	616.0	81.18	40.0	632.0	88.10	96.0	584.0	71.76	304.0	363.0	8.85
17.0	80.0	592.0	76.19	64.0	616.0	81.18	40.0	632.0	88.10	96.0	584.0	71.76	304.0	366.0	9.25
18.0	80.0	592.0	76.19	64.0	616.0	81.18	40.0	632.0	88.10	96.0	584.0	71.76	304.0	369.0	9.66
19.0	80.0	592.0	76.19	64.0	616.0	81.18	40.0	632.0	88.10	96.0	584.0	71.76	304.0	373.0	10.19
20.0	**80.0**	**592.0**	76.19	**64.0**	**616.0**	81.18	**40.0**	**632.0**	88.10	**96.0**	**584.0**	71.76	**304.0**	**376.0**	10.59

* Input Frequency 300 Hz, 350 Hz, 1 kHz, 2.5 kHz, 3 kHz

* RF output EUT's RF output level (through 40dB Attenutor)

maximum modulation value: 88.10 %

1 kHz, 20 % = -11.44 dBV 2.5 kHz, 20 % = -9 dBV

1 kHz, 50 % = -1.82 dBV 2.5 kHz, 50 % = -0.2 dBV

1 kHz, 70 % = +1.11 dV

*1) 3 kHz signal is outside specification.
(Reference data)

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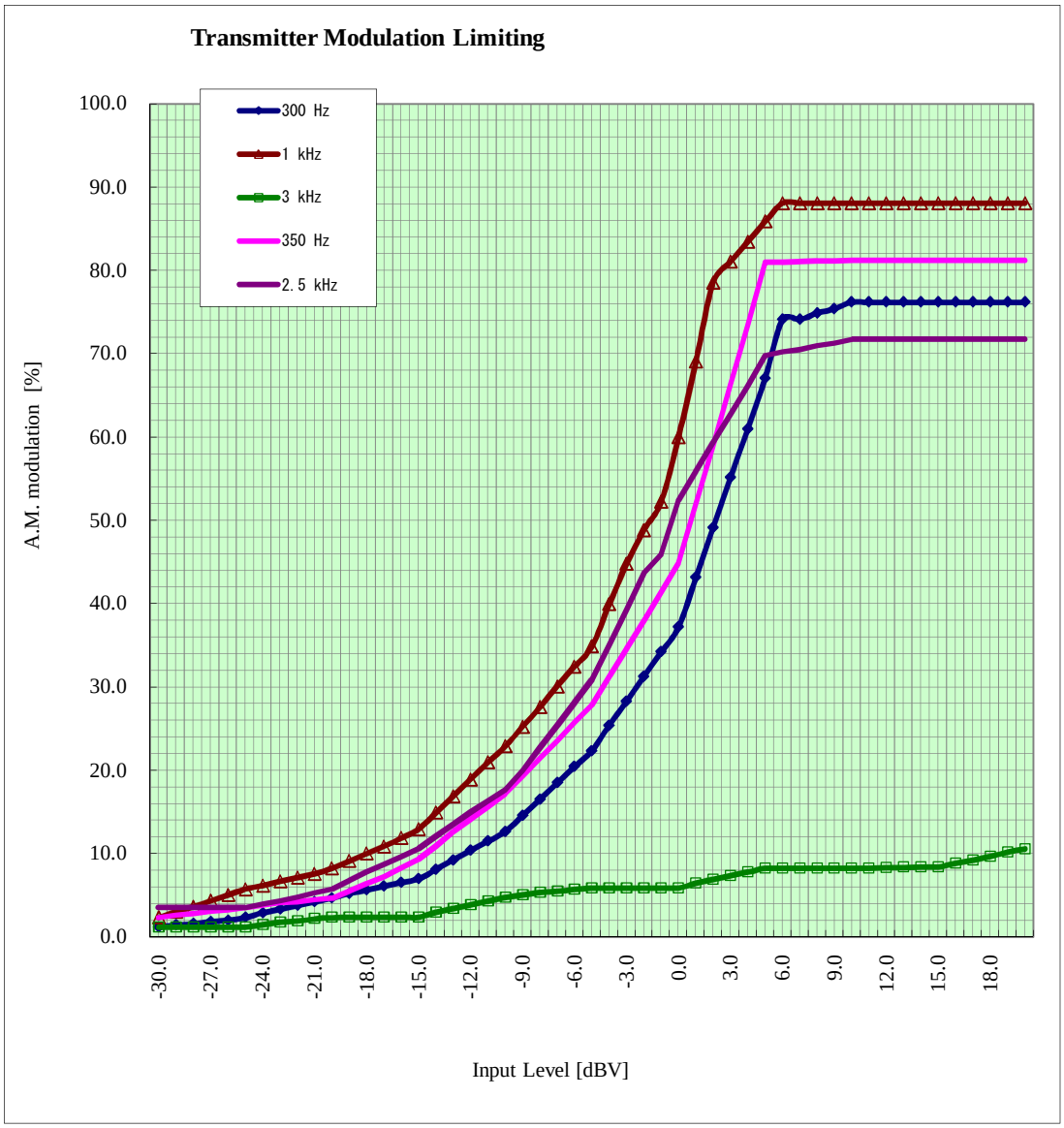
Data of Modulation Limiting (Conducted)

DC 13.8 V



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Data of Modulation Limiting (Conducted)

UL Japan, Inc. Shonan EMC Lab.
No.5 Shielded room

COMPANY	Edmo Distributors, Inc.	REGULATION	FCC part 87 section 87.141 /
EQUIPMENT	VHF AM TRANSCEIVER		FCC part 2 section 2.1047 (b)
MODEL	FL-760A		ANSI/TIA-603-D section 2.2.3
Serial No.	Sample 1	TEST DISTANCE	-
POWER	DC 10.5 V	DATE	October 20, 2015
MODE	Transmitting (Modulation ON)	TEMPERATURE	24 deg.C
	127.5 MHz	HUMIDITY	46 %RH
		Engineer	Kenichi Adachi

Transmitting 127.5 MHz

Audio	Modulation Depth [%]														
input	(RF output)		300 Hz	(RF output)		350 Hz	(RF output)		1 kHz	(RF output)		2.5 kHz	(RF output) *1)		3 kHz
(jig-	Min	Max	Mod.	Min	Max	Mod.	Min	Max	Mod.	Min	Max	Mod.	Min	Max	Mod.
input)	range	Range	Depth	range	Range	Depth	range	Range	Depth	range	Range	Depth	range	Range	Depth
[dBV]	[mV]	[mV]	[%]	[mV]	[mV]	[%]	[mV]	[mV]	[%]	[mV]	[mV]	[%]	[mV]	[mV]	[%]
-30.0	**336.0**	**352.0**	2.33	**336.0**	**344.0**	1.18	**336.0**	**344.0**	1.18	**328.0**	**344.0**	2.38	**324.0**	**344.0**	2.99
-29.0	336.0	352.0	2.33	334.0	346.0	1.76	336.0	349.0	1.90	328.0	344.0	2.38	324.0	344.0	2.99
-28.0	336.0	352.0	2.33	333.0	348.0	2.20	336.0	354.0	2.61	328.0	344.0	2.38	324.0	344.0	2.99
-27.0	336.0	352.0	2.33	331.0	349.0	2.65	336.0	359.0	3.31	328.0	344.0	2.38	324.0	344.0	2.99
-26.0	336.0	352.0	2.33	330.0	351.0	3.08	336.0	364.0	4.00	328.0	344.0	2.38	324.0	344.0	2.99
-25.0	**336.0**	**352.0**	2.33	**328.0**	**352.0**	3.53	**336.0**	**368.0**	4.55	**328.0**	**344.0**	2.38	**324.0**	**344.0**	2.99
-24.0	334.0	354.0	2.91	330.0	354.0	3.51	336.0	368.0	4.55	330.0	349.0	2.80	324.0	346.0	3.28
-23.0	332.0	356.0	3.49	332.0	357.0	3.63	336.0	368.0	4.55	332.0	354.0	3.21	324.0	348.0	3.57
-22.0	329.0	357.0	4.08	333.0	359.0	3.76	336.0	368.0	4.55	333.0	359.0	3.76	324.0	349.0	3.71
-21.0	327.0	359.0	4.66	335.0	362.0	3.87	336.0	368.0	4.55	335.0	364.0	4.15	324.0	351.0	4.00
-20.0	**324.0**	**360.0**	5.26	**336.0**	**364.0**	4.00	**336.0**	**368.0**	4.55	**336.0**	**368.0**	4.55	**324.0**	**352.0**	4.14
-19.0	323.0	362.0	5.69	331.0	366.0	5.02	328.0	371.0	6.15	330.0	370.0	5.71	325.0	350.0	3.70
-18.0	322.0	364.0	6.12	326.0	369.0	6.19	320.0	374.0	7.78	324.0	372.0	6.90	326.0	349.0	3.41
-17.0	321.0	365.0	6.41	321.0	371.0	7.23	312.0	377.0	9.43	317.0	373.0	8.12	327.0	347.0	2.97
-16.0	321.0	367.0	6.69	317.0	374.0	8.25	304.0	381.0	11.24	311.0	375.0	9.33	328.0	346.0	2.67
-15.0	**320.0**	**368.0**	6.98	**312.0**	**376.0**	9.30	**296.0**	**384.0**	12.94	**304.0**	**376.0**	10.59	**328.0**	**344.0**	2.38
-14.0	309.0	365.0	8.31	302.0	373.0	10.52	286.0	384.0	14.63	293.0	373.0	12.01	328.0	346.0	2.67
-13.0	298.0	362.0	9.70	293.0	370.0	11.61	277.0	384.0	16.19	282.0	370.0	13.50	328.0	348.0	2.96
-12.0	287.0	359.0	11.15	283.0	367.0	12.92	267.0	384.0	17.97	271.0	367.0	15.05	328.0	349.0	3.10
-11.0	276.0	356.0	12.66	274.0	364.0	14.11	258.0	384.0	19.63	260.0	364.0	16.67	328.0	351.0	3.39
-10.0	**264.0**	**352.0**	14.29	**264.0**	**360.0**	15.38	**248.0**	**384.0**	21.52	**248.0**	**360.0**	18.42	**328.0**	**352.0**	3.53
-9.0	254.0	357.0	16.86	253.0	368.0	18.52	234.0	392.0	25.24	238.0	370.0	21.71	323.0	347.0	3.58
-8.0	245.0	362.0	19.28	242.0	376.0	21.68	220.0	400.0	29.03	229.0	380.0	24.79	318.0	342.0	3.64
-7.0	235.0	367.0	21.93	231.0	384.0	24.88	205.0	408.0	33.12	219.0	389.0	27.96	313.0	337.0	3.69
-6.0	226.0	372.0	24.41	220.0	392.0	28.10	191.0	416.0	37.07	210.0	399.0	31.03	309.0	333.0	3.74
-5.0	**216.0**	**376.0**	27.03	**208.0**	**400.0**	31.58	**176.0**	**424.0**	41.33	**200.0**	**408.0**	34.21	**304.0**	**328.0**	3.80
-4.0	210.0	387.0	29.65	197.0	413.0	35.41	158.0	442.0	47.33	186.0	421.0	38.71	301.0	326.0	3.99
-3.0	204.0	398.0	32.23	186.0	426.0	39.22	141.0	460.0	53.08	172.0	434.0	43.23	298.0	325.0	4.33
-2.0	197.0	409.0	34.98	175.0	439.0	43.00	123.0	477.0	59.00	157.0	447.0	48.01	295.0	323.0	4.53
-1.0	191.0	421.0	37.58	164.0	452.0	46.75	106.0	495.0	64.73	143.0	460.0	52.57	292.0	322.0	4.89
0.0	**184.0**	**432.0**	40.26	**152.0**	**464.0**	50.65	**88.0**	**512.0**	70.67	**128.0**	**472.0**	57.33	**288.0**	**320.0**	5.26
1.0	162.0	453.0	47.32	128.0	486.0	58.31	76.0	530.0	74.92	118.0	485.0	60.86	290.0	323.0	5.38
2.0	140.0	474.0	54.40	104.0	509.0	66.07	64.0	548.0	79.08	109.0	498.0	64.09	292.0	326.0	5.50
3.0	117.0	495.0	61.76	80.0	531.0	73.81	51.0	565.0	83.44	99.0	511.0	67.54	293.0	329.0	5.79
4.0	95.0	516.0	68.90	56.0	554.0	81.64	39.0	583.0	87.46	90.0	524.0	70.68	295.0	333.0	6.05
5.0	**72.0**	**536.0**	76.32	**32.0**	**576.0**	89.47	**26.0**	**600.0**	91.69	**80.0**	**536.0**	74.03	**296.0**	**336.0**	6.33
6.0	69.0	539.0	77.30	32.0	576.0	89.47	26.0	600.0	91.69	78.0	538.0	74.68	294.0	336.0	6.67
7.0	66.0	542.0	78.29	32.0	576.0	89.47	26.0	600.0	91.69	77.0	540.0	75.04	293.0	336.0	6.84
8.0	63.0	545.0	79.28	32.0	576.0	89.47	25.0	600.0	92.00	75.0	541.0	75.65	291.0	336.0	7.18
9.0	60.0	549.0	80.30	32.0	576.0	89.47	25.0	600.0	92.00	74.0	543.0	76.01	290.0	336.0	7.35
10.0	**56.0**	**552.0**	81.58	**32.0**	**576.0**	89.47	**24.0**	**600.0**	92.31	**72.0**	**544.0**	76.62	**288.0**	**336.0**	7.69
11.0	56.0	552.0	81.58	32.0	578.0	89.51	24.0	600.0	92.31	74.0	542.0	75.97	286.0	336.0	8.04
12.0	56.0	552.0	81.58	32.0	580.0	89.54	24.0	600.0	92.31	76.0	541.0	75.36	285.0	336.0	8.21
13.0	56.0	552.0	81.58	32.0	581.0	89.56	24.0	600.0	92.31	77.0	539.0	75.00	283.0	336.0	8.56
14.0	56.0	552.0	81.58	32.0	583.0	89.59	24.0	600.0	92.31	79.0	538.0	74.39	282.0	336.0	8.74
15.0	**56.0**	**552.0**	81.58	**32.0**	**584.0**	89.61	**24.0**	**600.0**	92.31	**80.0**	**536.0**	74.03	**280.0**	**336.0**	9.09
16.0	56.0	552.0	81.58	32.0	584.0	89.61	24.0	600.0	92.31	80.0	538.0	74.11	280.0	338.0	9.39
17.0	56.0	552.0	81.58	32.0	584.0	89.61	24.0	600.0	92.31	80.0	540.0	74.19	280.0	340.0	9.68
18.0	56.0	552.0	81.58	32.0	584.0	89.61	24.0	600.0	92.31	80.0	541.0	74.24	280.0	341.0	9.82
19.0	56.0	552.0	81.58	32.0	584.0	89.61	24.0	600.0	92.31	80.0	543.0	74.32	280.0	343.0	10.11
20.0	**56.0**	**552.0**	81.58	**32.0**	**584.0**	89.61	**24.0**	**600.0**	92.31	**80.0**	**544.0**	74.36	**280.0**	**344.0**	10.26

* Input Frequency 300 Hz, 350 Hz, 1 kHz, 2.5 kHz, 3 kHz

* RF output EUT's RF output level (through 40dB Attenutor)

maximum modulation value: 92.31 %

1 kHz, 20 % = -10.78 dBV 2.5 kHz, 20 % = -9.5 dBV

1 kHz, 50 % = -3.52 dBV 2.5 kHz, 50 % = -1.55 dBV

1 kHz, 70 % = -0.1 dV

*1) 3 kHz signal is outside specification.
(Reference data)

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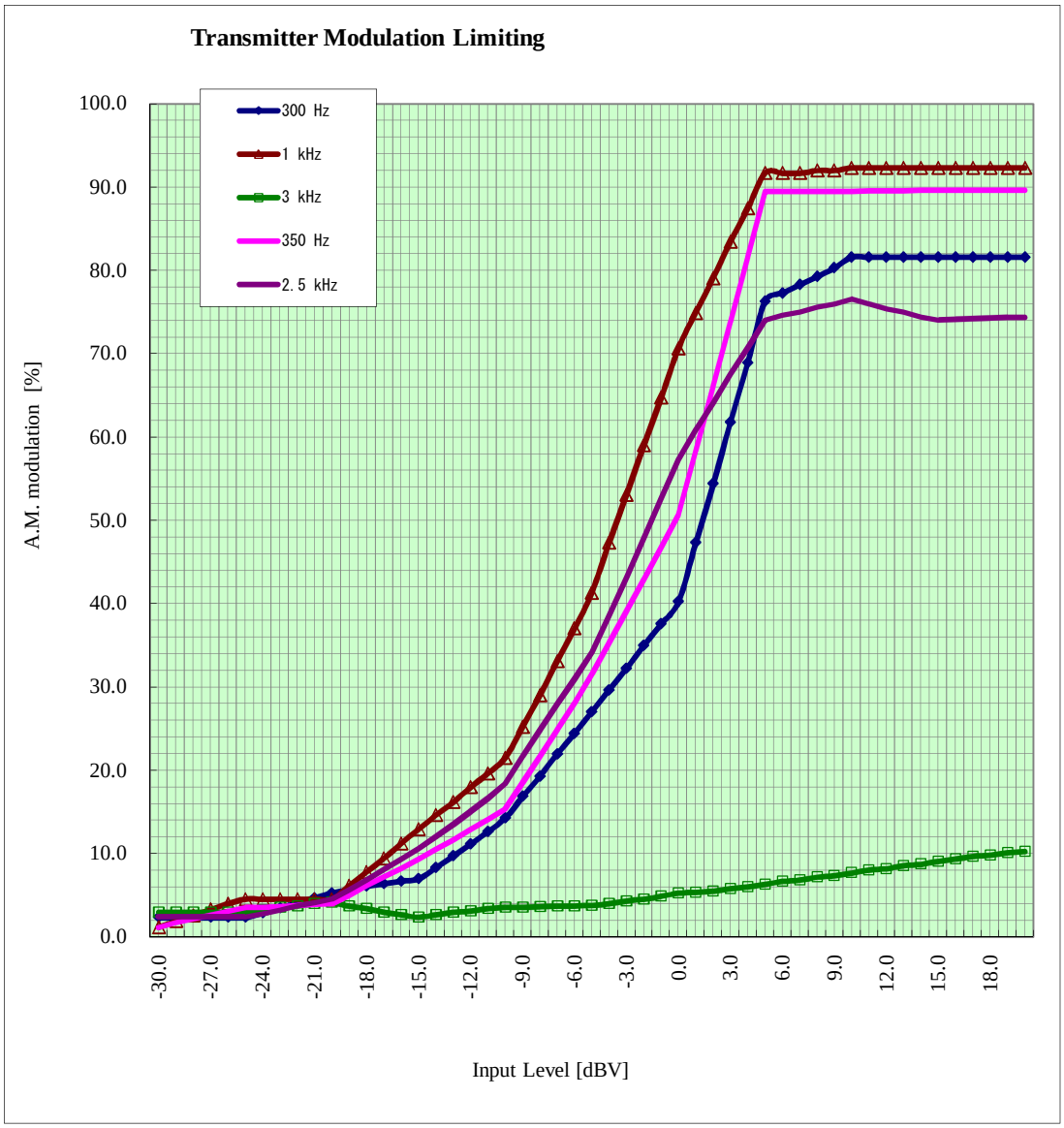
Data of Modulation Limiting (Conducted)

DC 10.5 V



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Revised date : November 13, 2015

Bandwidth of emission

UL Japan, Inc. Shonan EMC Lab.
No.5 Shielded room

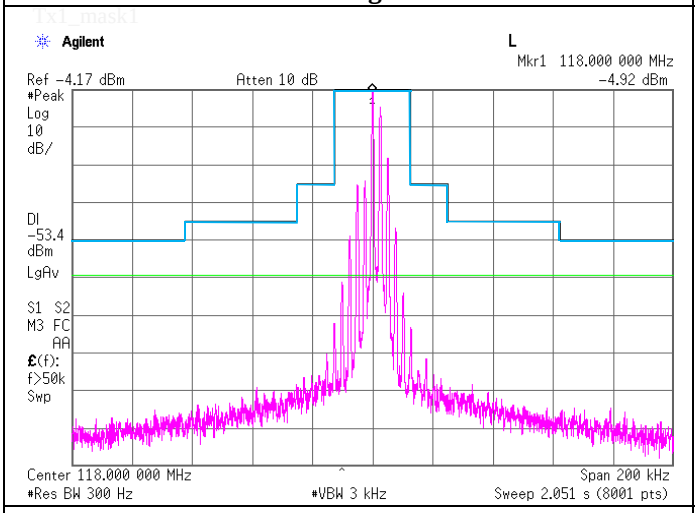
COMPANY	Edmo Distributors, Inc.	REGULATION	FCC part 87 section 87.139(a) / FCC part 2 section 2.1049 / ANSI/TIA-603-D section 2.2.11
EQUIPMENT	VHF AM TRANSCEIVER		
MODEL	FL-760A		
Serial No.	Sample 1	TEST DISTANCE	-
POWER	DC 33.0 V	DATE	October 22, 2015
MODE	Transmitting (Modulation ON)	TEMPERATURE	26 deg.C
		HUMIDITY	45 %RH
		Engineer	Kenichi Adachi

Channel bandwidth: 25 kHz

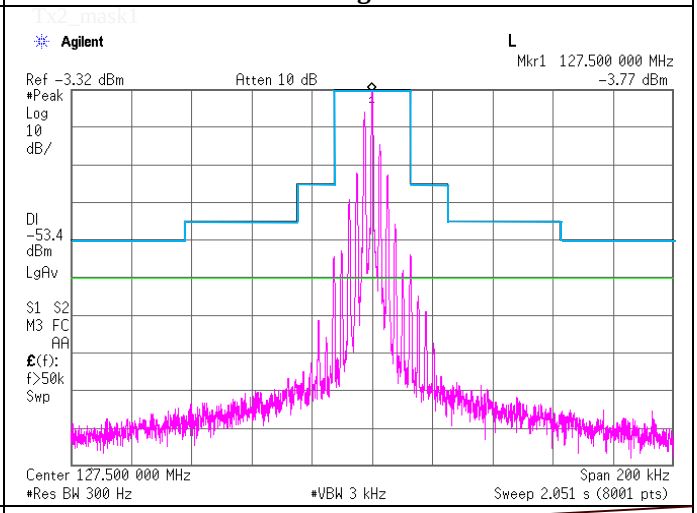
Nessesary bandwidth: 6 kHz

(DC 33.0 V, modulation, Audio 2.5 kHz, +16.41 dBV (Mic in)(50 % modulation input level (+0.41 dBV)+16 dB), Volume max)

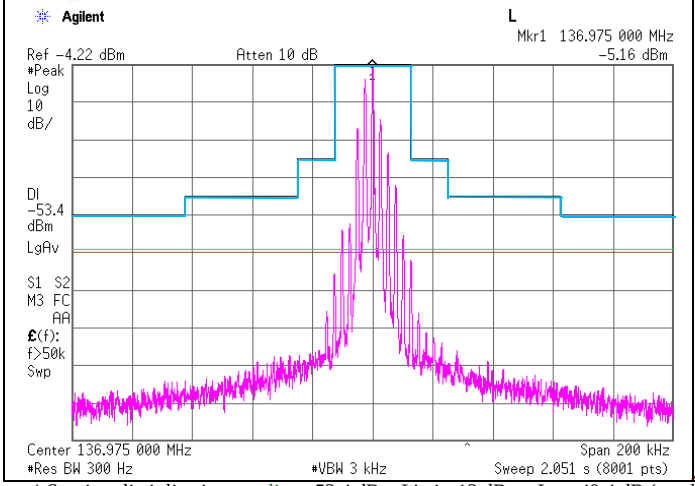
Transmitting 118 MHz

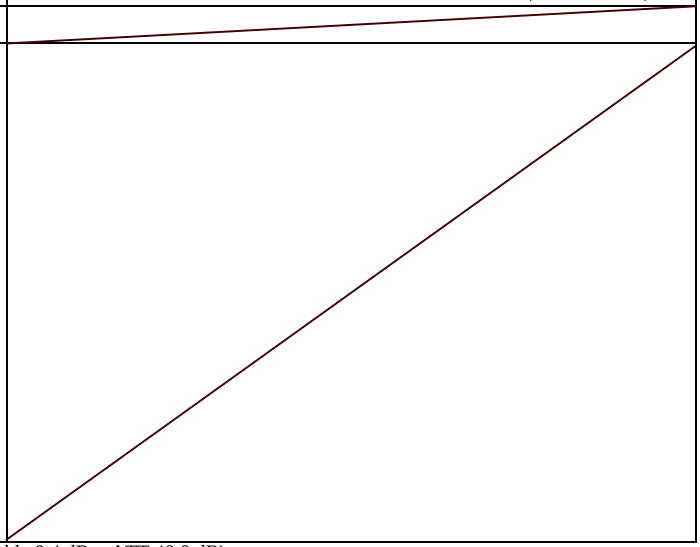


Transmitting 127.5 MHz



Transmitting 136.975 MHz





* Spurious limit line is green line, -53.4 dB = Limit -13 dBm - Loss 40.4 dB (= cable 0.4 dB + ATT 40.0 dB)
* Blue line is emission mask limit.

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Revised date : November 13, 2015

Bandwidth of emission

UL Japan, Inc. Shonan EMC Lab.
No.5 Shielded room

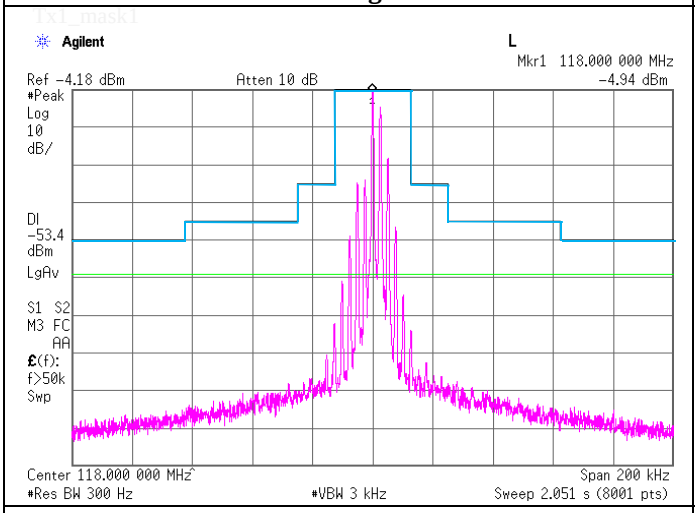
COMPANY	Edmo Distributors, Inc.	REGULATION	FCC part 87 section 87.139(a) / FCC part 2 section 2.1049 / ANSI/TIA-603-D section 2.2.11
EQUIPMENT	VHF AM TRANSCEIVER		
MODEL	FL-760A		
Serial No.	Sample 1	TEST DISTANCE	-
POWER	DC 13.8 V	DATE	October 22, 2015
MODE	Transmitting (Modulation ON)	TEMPERATURE	26 deg.C
		HUMIDITY	45 %RH
		Engineer	Kenichi Adachi

Channel bandwidth: 25 kHz

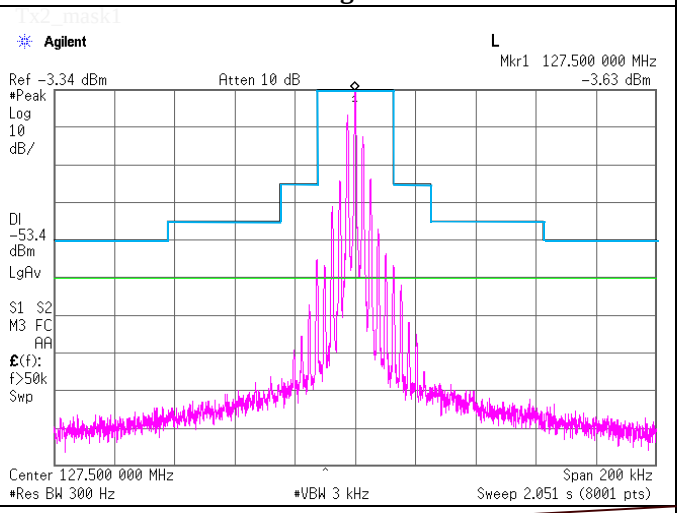
Nessesary bandwidth: 6 kHz

(DC 13.8 V, modulation, Audio 2.5 kHz, +15.80 dBV (Mic in)(50 % modulation input level (-0.20 dBV)+16 dB), Volume max)

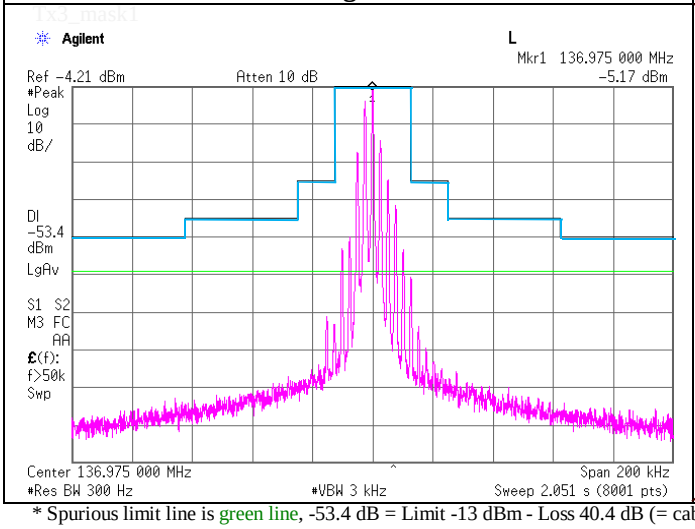
Transmitting 118 MHz

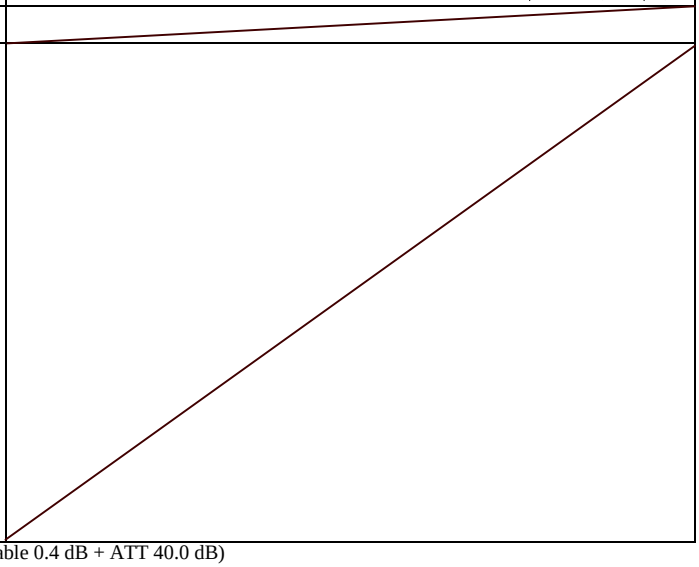


Transmitting 127.5 MHz



Transmitting 136.975 MHz





* Spurious limit line is green line, -53.4 dB = Limit -13 dBm - Loss 40.4 dB (= cable 0.4 dB + ATT 40.0 dB)
* Blue line is emission mask limit.

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Revised date : November 13, 2015

Bandwidth of emission

UL Japan, Inc. Shonan EMC Lab.
No.5 Shielded room

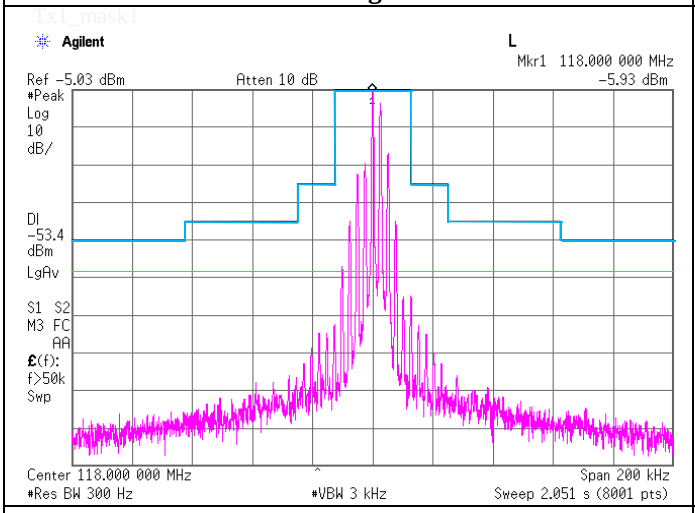
COMPANY	Edmo Distributors, Inc.	REGULATION	FCC part 87 section 87.139(a) / FCC part 2 section 2.1049 / ANSI/TIA-603-D section 2.2.11
EQUIPMENT	VHF AM TRANSCEIVER		
MODEL	FL-760A		
Serial No.	Sample 1	TEST DISTANCE	-
POWER	DC 10.5 V	DATE	October 22, 2015
MODE	Transmitting (Modulation ON)	TEMPERATURE	26 deg.C
		HUMIDITY	45 %RH
		Engineer	Kenichi Adachi

Channel bandwidth: 25 kHz

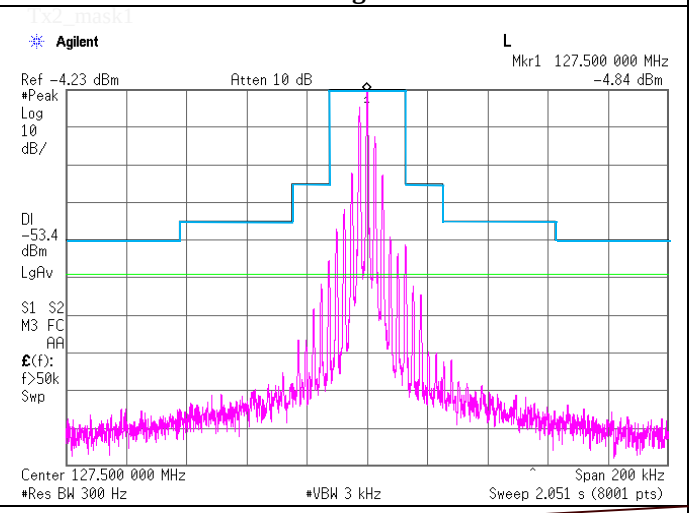
Nessesary bandwidth: 6 kHz

(DC 10.5 V, modulation, Audio 2.5 kHz, +14.45 dBV (Mic in)(50 % modulation input level (-1.55 dBV)+16 dB), Volume max)

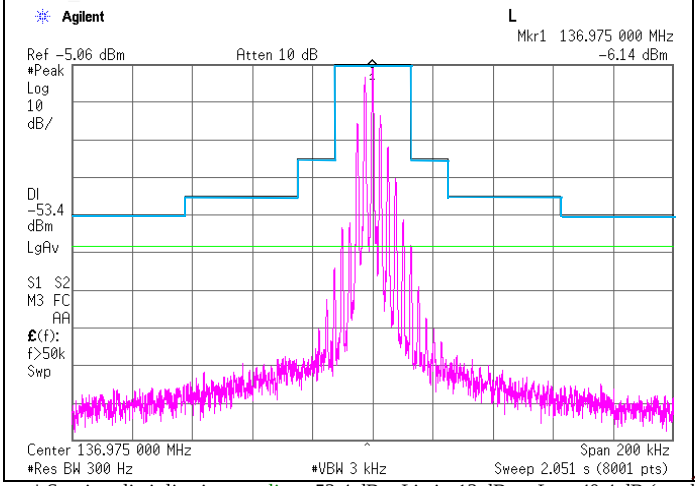
Transmitting 118 MHz

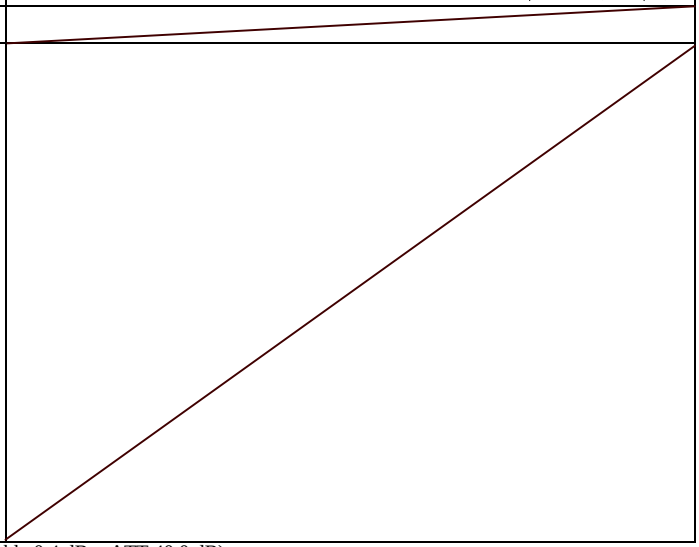


Transmitting 127.5 MHz



Transmitting 136.975 MHz





* Spurious limit line is green line, -53.4 dB = Limit -13 dBm - Loss 40.4 dB (= cable 0.4 dB + ATT 40.0 dB)
* Blue line is emission mask limit.

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Data of Spurious Emission at Antenna Terminals (Conducted)

UL Japan, Inc. Shonan EMC Lab.
No.5 Shielded room

COMPANY	Edmo Distributors, Inc.		REGULATION	FCC part 87 section 87.139 (a)(3) /
EQUIPMENT	VHF AM TRANSCEIVER			FCC part 2 section 2.1051
MODEL	FL-760A			ANSI/TIA-603-D section 2.2.13
Serial No.	Sample 1		TEST DISTANCE	-
POWER	DC 33.0 V		DATE	October 22, 2015
MODE	Transmitting (Modulation ON	118.000 MHz	TEMPERATURE	26 deg.C
			HUMIDITY	45 %RH
			Engineer	Kenichi Adachi

(DC 33.0 V, modulation, Audio 2.5 kHz, +16.41 dBV (Mic in)(50 % modulation input level (+0.41 dBV)+16 dB), Volume max)

(Spurious Below 1 GHz) (RBW: 10 kHz , VBW: 30 kHz , ATT 10 dB , SWP :auto)

No.	FREQ [MHz]	S/A READING [dBm]	ATT Loss [dB]	Cable Loss [dB]	RESULT Conducted [dBm]	Limit [dBm]	MARGIN Conducted [dB]
1	236.00	-61.27	40.23	0.34	-20.70	-13.00	**7.70**
2	354.00	-75.74	40.43	0.41	-34.90	-13.00	21.90
3	472.00	-70.21	40.63	0.47	-29.10	-13.00	16.10
4	590.00	-67.49	40.82	0.53	-26.14	-13.00	13.14
5	708.00	-88.58	41.01	0.58	-46.98	-13.00	33.98
6	826.00	-75.96	41.20	0.62	-34.14	-13.00	21.14
7	944.00	-71.88	41.39	0.66	-29.83	-13.00	16.83

(Spurious Above 1 GHz) (RBW: 1 MHz , VBW: 3 MHz , ATT 10 dB , SWP: auto)

No.	FREQ [MHz]	S/A READING [dBm]	ATT Loss [dB]	Cable Loss [dB]	RESULT Conducted [dBm]	Limit [dBm]	MARGIN Conducted [dB]
8	1062.00	-68.72	41.50	0.70	-26.52	-13.00	13.52
9	1180.00	-67.15	41.54	0.74	-24.88	-13.00	11.88

REMARKS
CALCULATION RESULT=Reading + ATT Loss + Cable Loss
*Except for the above table : All other spurious emissions were less than 20 dB for the limit.
- Below 1 GHz : SA PK(RBW: 10 kHz/VBW: 30 kHz) Above 1 GHz : S/A PK(RBW: 1 MHz/VBW: 3 MHz)

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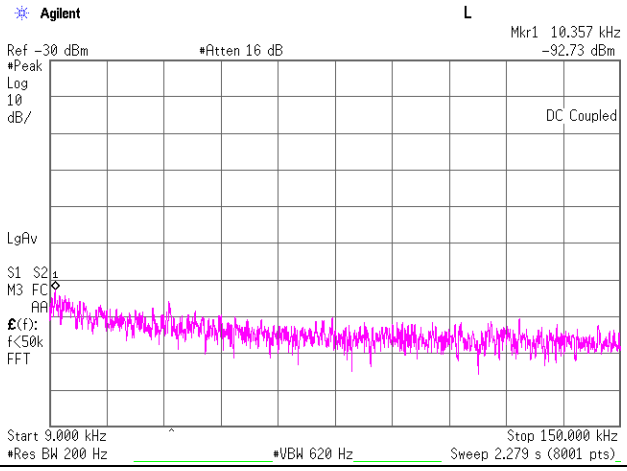
Test place	UL Japan, Inc. Shonan EMC Lab.	No.5 Shielded room
Date	October 22, 2015	
Temperature / Humidity	26 deg.C, 45 %RH	
Engineer	Kenichi Adachi	

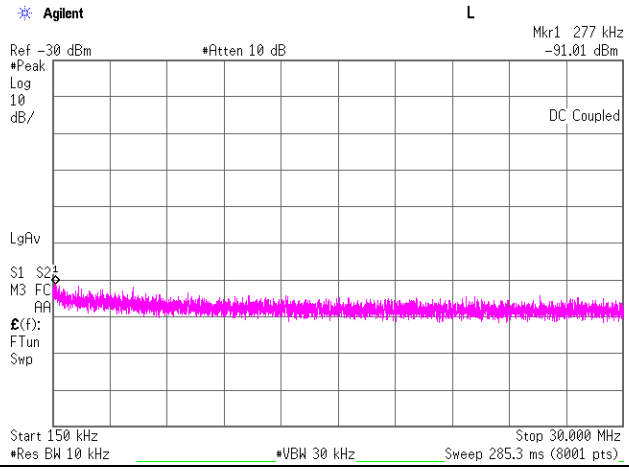
Data of Spurious Emission at Antenna Terminals (Conducted)

Transmitting 118 MHz, DC 33.0 V

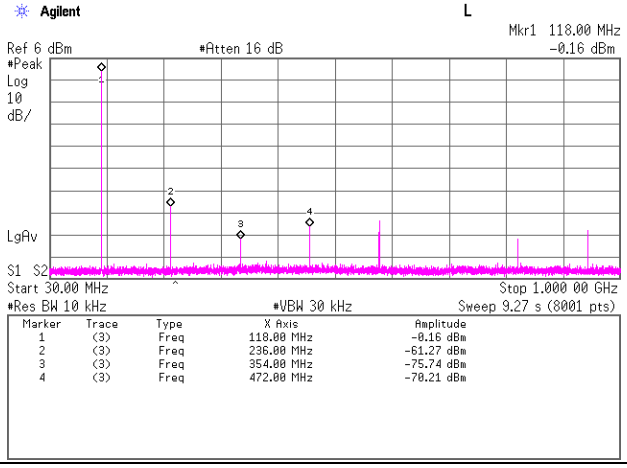
9 kHz - 150 kHz



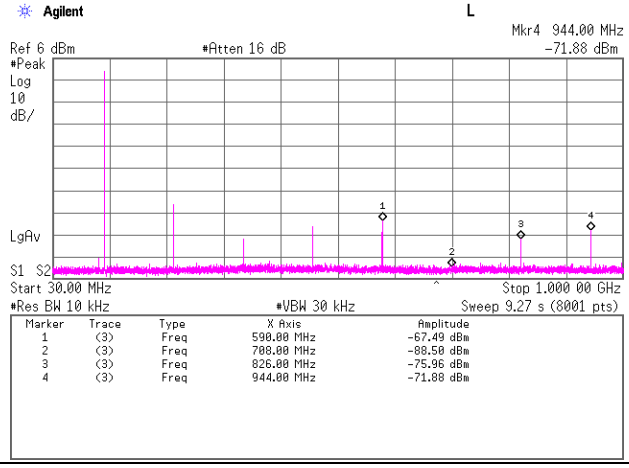
150 kHz - 30 MHz



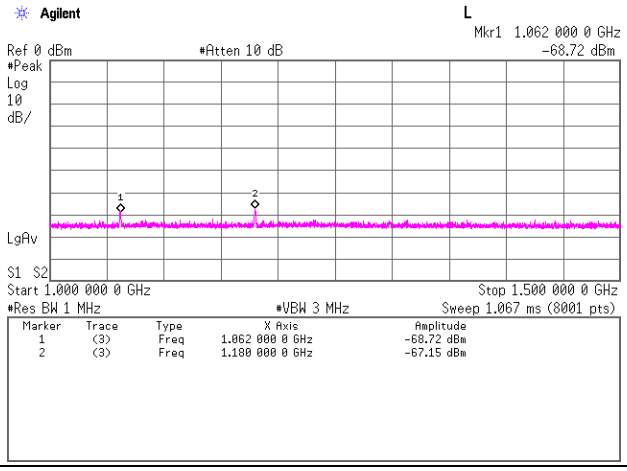
30 MHz - 1 GHz (1)



30 MHz - 1 GHz (2)



1 GHz - 1.5 GHz



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Data of Spurious Emission at Antenna Terminals (Conducted)

UL Japan, Inc. Shonan EMC Lab.
No.5 Shielded room

COMPANY	Edmo Distributors, Inc.		REGULATION	FCC part 87 section 87.139 (a)(3) /
EQUIPMENT	VHF AM TRANSCEIVER			FCC part 2 section 2.1051
MODEL	FL-760A			ANSI/TIA-603-D section 2.2.13
Serial No.	Sample 1		TEST DISTANCE	-
POWER	DC 33.0 V		DATE	October 22, 2015
MODE	Transmitting (Modulation ON	127.500 MHz	TEMPERATURE	26 deg.C
			HUMIDITY	45 %RH
			Engineer	Kenichi Adachi

(DC 33.0 V, modulation, Audio 2.5 kHz, +16.41 dBV (Mic in)(50 % modulation input level (+0.41 dBV)+16 dB), Volume max)

(Spurious Below 1 GHz) (RBW: 10 kHz , VBW: 30 kHz , ATT 10 dB , SWP :auto)

No.	FREQ [MHz]	S/A READING [dBm]	ATT Loss [dB]	Cable Loss [dB]	RESULT Conducted [dBm]	Limit [dBm]	MARGIN Conducted [dB]
1	255.00	-63.26	40.26	0.35	-22.65	-13.00	**9.65**
2	382.50	-75.00	40.48	0.43	-34.10	-13.00	21.10
3	510.00	-69.25	40.70	0.49	-28.06	-13.00	15.06
4	637.50	-70.08	40.90	0.55	-28.63	-13.00	15.63
5	765.00	-77.12	41.10	0.60	-35.41	-13.00	22.41
6	892.50	-70.85	41.31	0.64	-28.90	-13.00	15.90

(Spurious Above 1 GHz) (RBW: 1 MHz , VBW: 3 MHz , ATT 10 dB , SWP: auto)

No.	FREQ [MHz]	S/A READING [dBm]	ATT Loss [dB]	Cable Loss [dB]	RESULT Conducted [dBm]	Limit [dBm]	MARGIN Conducted [dB]
7	1020.00	-72.16	41.49	0.69	-29.99	-13.00	16.99
8	1147.50	-66.64	41.53	0.73	-24.39	-13.00	11.39
9	1275.00	-73.16	41.57	0.77	-30.83	-13.00	17.83

REMARKS
CALCULATION RESULT=Reading + ATT Loss + Cable Loss
*Except for the above table : All other spurious emissions were less than 20 dB for the limit.
- Below 1 GHz : SA PK(RBW: 10 kHz/VBW: 30 kHz) Above 1 GHz : S/A PK(RBW: 1 MHz/VBW: 3 MHz)

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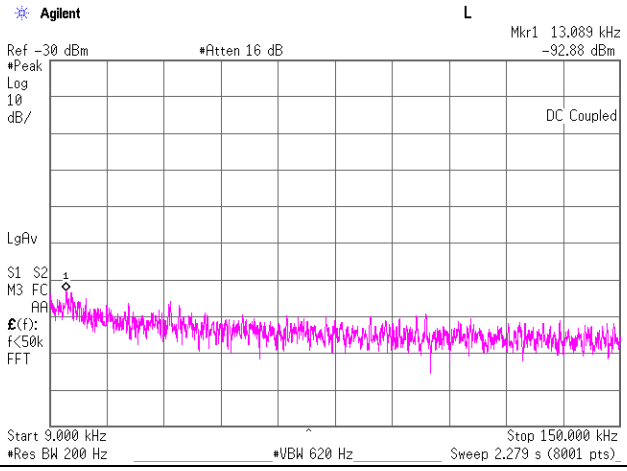
Test place	UL Japan, Inc. Shonan EMC Lab. No.5 Shielded room
Date	October 22, 2015
Temperature / Humidity	26 deg.C, 45 %RH
Engineer	Kenichi Adachi

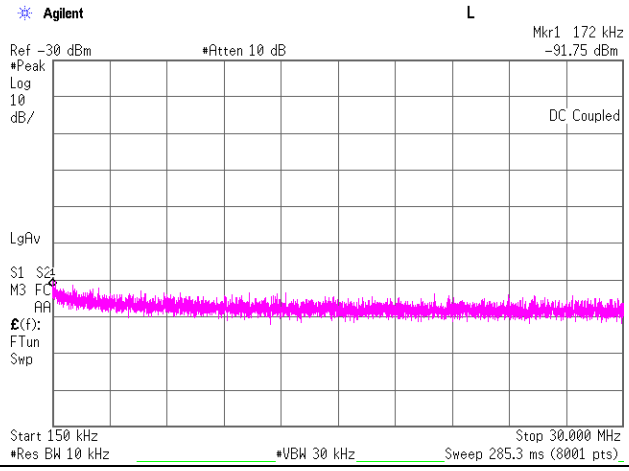
Data of Spurious Emission at Antenna Terminals (Conducted)

Transmitting 127.5 MHz, DC 33.0 V

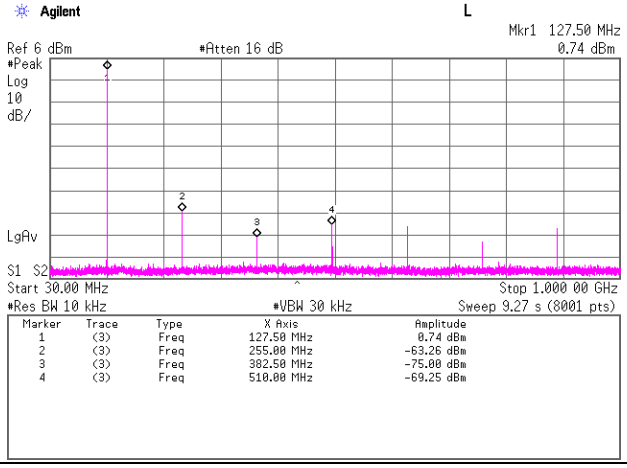
9 kHz - 150 kHz



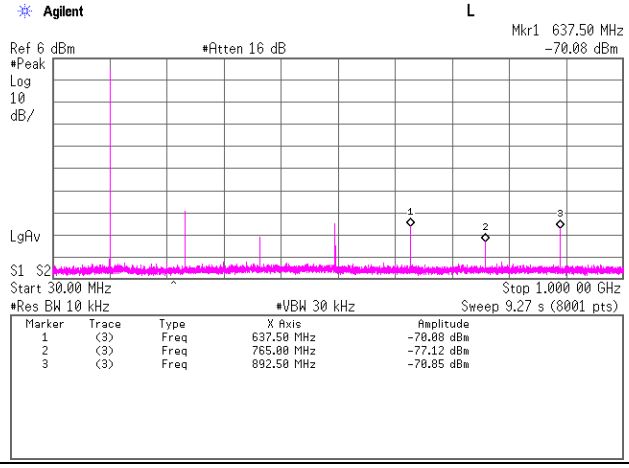
150 kHz - 30 MHz



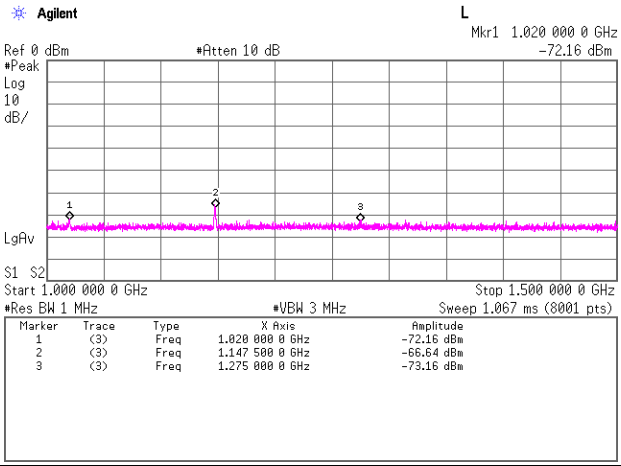
30 MHz - 1 GHz (1)



30 MHz - 1 GHz (2)



1 GHz - 1.5 GHz



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Data of Spurious Emission at Antenna Terminals (Conducted)

UL Japan, Inc. Shonan EMC Lab.
No.5 Shielded room

COMPANY	Edmo Distributors, Inc.		REGULATION	FCC part 87 section 87.139 (a)(3) /
EQUIPMENT	VHF AM TRANSCEIVER			FCC part 2 section 2.1051
MODEL	FL-760A			ANSI/TIA-603-D section 2.2.13
Serial No.	Sample 1		TEST DISTANCE	-
POWER	DC 33.0 V		DATE	October 22, 2015
MODE	Transmitting (Modulation ON	136.975 MHz	TEMPERATURE	26 deg.C
			HUMIDITY	45 %RH
			Engineer	Kenichi Adachi

(DC 33.0 V, modulation, Audio 2.5 kHz, +16.41 dBV (Mic in)(50 % modulation input level (+0.41 dBV)+16 dB), Volume max)

(Spurious Below 1 GHz) (RBW: 10 kHz , VBW: 30 kHz , ATT 10 dB , SWP :auto)

No.	FREQ [MHz]	S/A READING [dBm]	ATT Loss [dB]	Cable Loss [dB]	RESULT Conducted [dBm]	Limit [dBm]	MARGIN Conducted [dB]
1	273.95	-68.12	40.29	0.33	-27.50	-13.00	14.50
2	410.93	-69.40	40.53	0.41	-28.46	-13.00	15.46
3	547.90	-65.46	40.76	0.51	-24.19	-13.00	**11.19**
4	684.88	-84.30	40.98	0.57	-42.75	-13.00	29.75
5	821.85	-80.77	41.20	0.59	-38.98	-13.00	25.98
6	958.83	-75.88	41.41	0.65	-33.82	-13.00	20.82

(Spurious Above 1 GHz) (RBW: 1 MHz , VBW: 3 MHz , ATT 10 dB , SWP: auto)

No.	FREQ [MHz]	S/A READING [dBm]	ATT Loss [dB]	Cable Loss [dB]	RESULT Conducted [dBm]	Limit [dBm]	MARGIN Conducted [dB]
7	1095.80	-71.21	41.51	0.71	-28.99	-13.00	15.99
8	1232.78	-73.24	41.55	0.75	-30.93	-13.00	17.93
9	1369.75	-74.97	41.60	0.80	-32.58	-13.00	19.58

REMARKS
CALCULATION RESULT=Reading + ATT Loss + Cable Loss
*Except for the above table : All other spurious emissions were less than 20 dB for the limit.
- Below 1 GHz : SA PK(RBW: 10 kHz/VBW: 30 kHz) Above 1 GHz : S/A PK(RBW: 1 MHz/VBW: 3 MHz)

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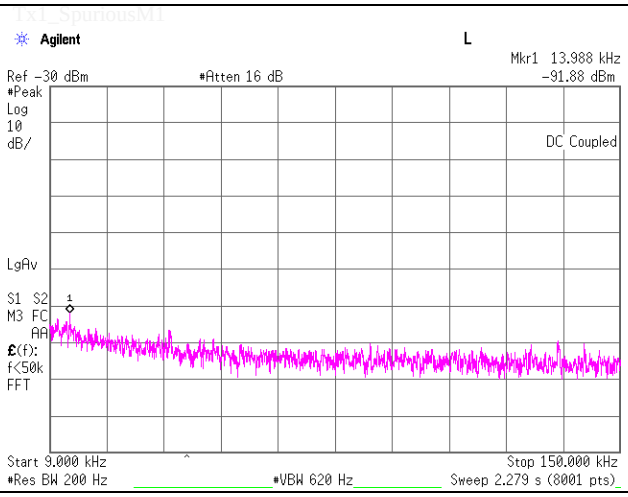
Test place	UL Japan, Inc. Shonan EMC Lab. No.5 Shielded room
Date	October 22, 2015
Temperature / Humidity	26 deg.C, 45 %RH
Engineer	Kenichi Adachi

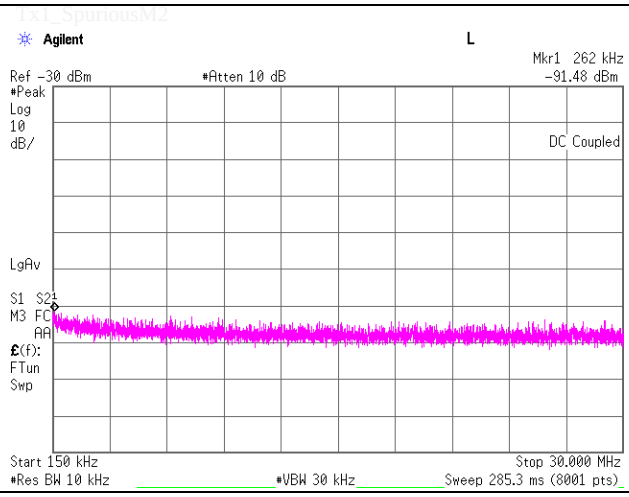
Data of Spurious Emission at Antenna Terminals (Conducted)

Transmitting 136.975 MHz, DC 33.0 V

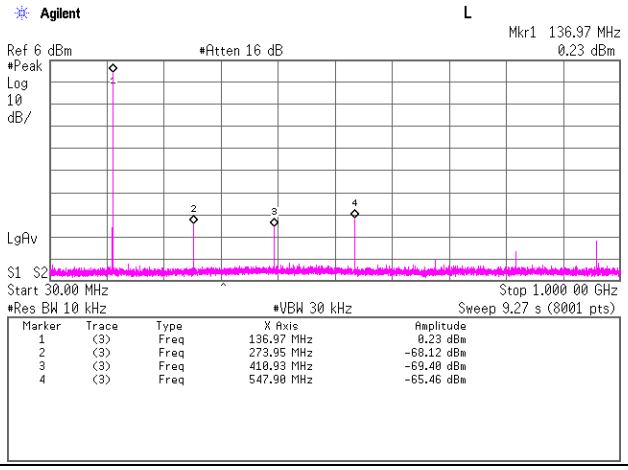
9 kHz - 150 kHz



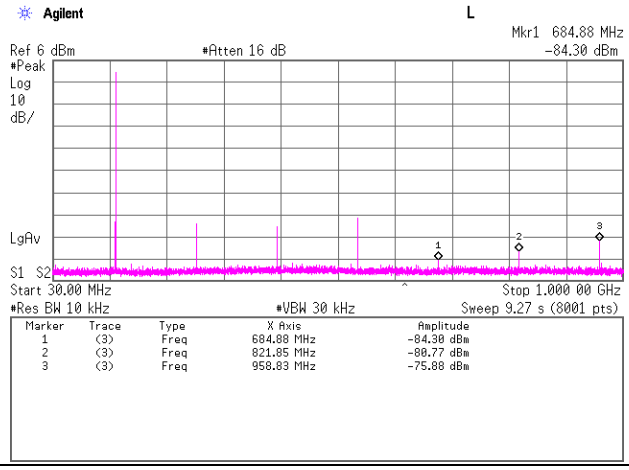
150 kHz - 30 MHz



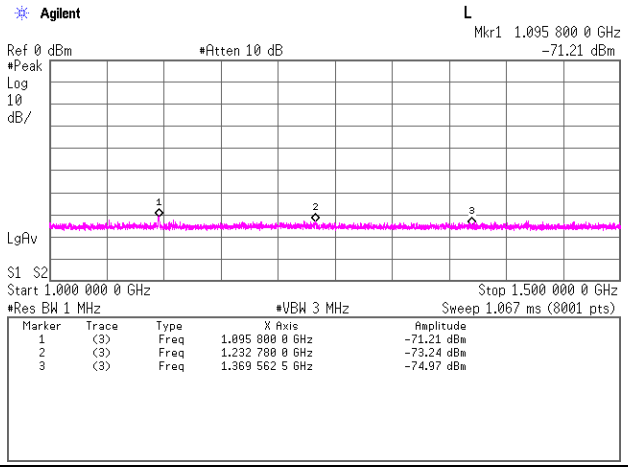
30 MHz - 1 GHz (1)



30 MHz - 1 GHz (2)



1 GHz - 1.5 GHz



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Data of Spurious Emission at Antenna Terminals (Conducted)

UL Japan, Inc. Shonan EMC Lab.
No.5 Shielded room

COMPANY	Edmo Distributors, Inc.		REGULATION	FCC part 87 section 87.139 (a)(3) /
EQUIPMENT	VHF AM TRANSCEIVER			FCC part 2 section 2.1051
MODEL	FL-760A			ANSI/TIA-603-D section 2.2.13
Serial No.	Sample 1		TEST DISTANCE	-
POWER	DC 13.8 V		DATE	October 22, 2015
MODE	Transmitting (Modulation ON	118.000 MHz	TEMPERATURE	26 deg.C
			HUMIDITY	45 %RH
			Engineer	Kenichi Adachi

(DC 13.8 V, modulation, Audio 2.5 kHz, +15.80 dBV (Mic in)(50 % modulation input level (-0.20 dBV)+16 dB), Volume max)

(Spurious Below 1 GHz) (RBW: 10 kHz , VBW: 30 kHz , ATT 10 dB , SWP :auto)

No.	FREQ [MHz]	S/A READING [dBm]	ATT Loss [dB]	Cable Loss [dB]	RESULT Conducted [dBm]	Limit [dBm]	MARGIN Conducted [dB]
1	236.00	-60.40	40.23	0.34	-19.83	-13.00	**6.83**
2	354.00	-72.27	40.43	0.41	-31.43	-13.00	18.43
3	472.00	-68.18	40.63	0.47	-27.07	-13.00	14.07
4	590.00	-64.90	40.82	0.53	-23.55	-13.00	10.55
5	708.00	-86.76	41.01	0.58	-45.16	-13.00	32.16
6	826.00	-74.83	41.20	0.62	-33.01	-13.00	20.01
7	944.00	-71.00	41.39	0.66	-28.95	-13.00	15.95

(Spurious Above 1 GHz) (RBW: 1 MHz , VBW: 3 MHz , ATT 10 dB , SWP: auto)

No.	FREQ [MHz]	S/A READING [dBm]	ATT Loss [dB]	Cable Loss [dB]	RESULT Conducted [dBm]	Limit [dBm]	MARGIN Conducted [dB]
8	1062.00	-69.39	41.50	0.70	-27.19	-13.00	14.19
9	1180.00	-67.75	41.54	0.74	-25.48	-13.00	12.48

REMARKS
CALCULATION RESULT=Reading + ATT Loss + Cable Loss
*Except for the above table : All other spurious emissions were less than 20 dB for the limit.
- Below 1 GHz : SA PK(RBW: 10 kHz/VBW: 30 kHz) Above 1 GHz : S/A PK(RBW: 1 MHz/VBW: 3 MHz)

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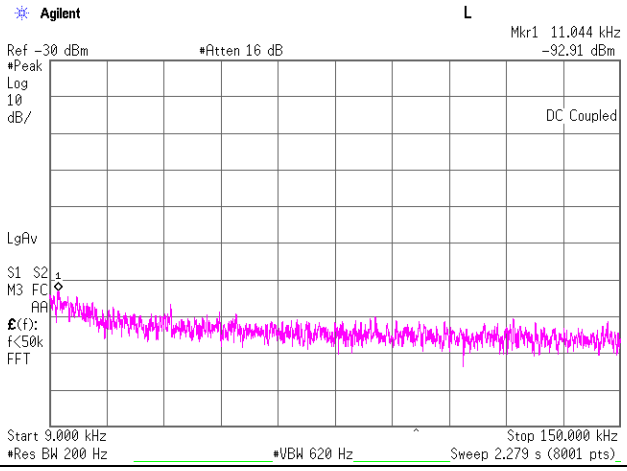
Test place	UL Japan, Inc. Shonan EMC Lab.	No.5 Shielded room
Date	October 22, 2015	
Temperature / Humidity	26 deg.C, 45 %RH	
Engineer	Kenichi Adachi	

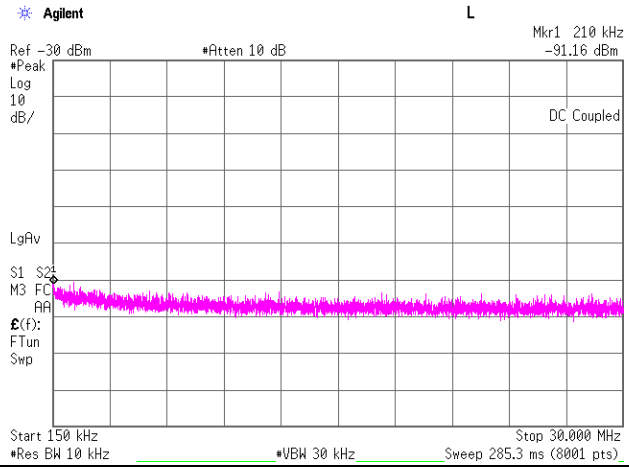
Data of Spurious Emission at Antenna Terminals (Conducted)

Transmitting 118 MHz, DC 13.8 V

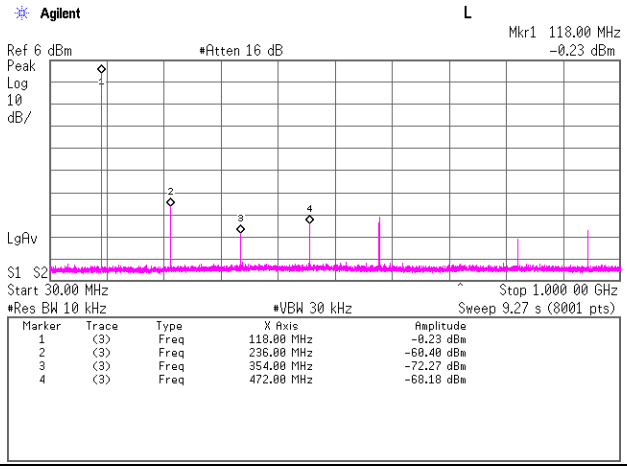
9 kHz - 150 kHz



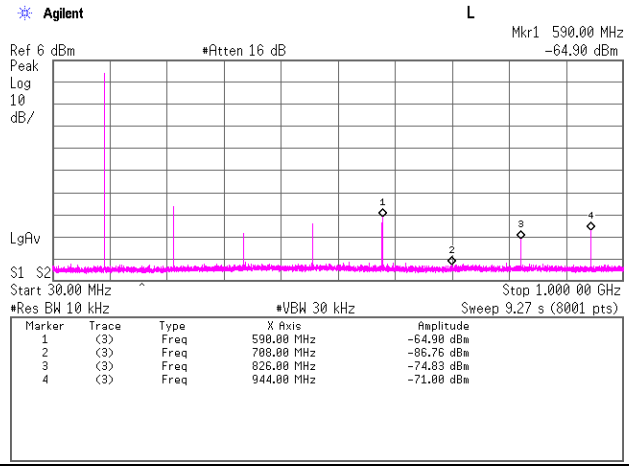
150 kHz - 30 MHz



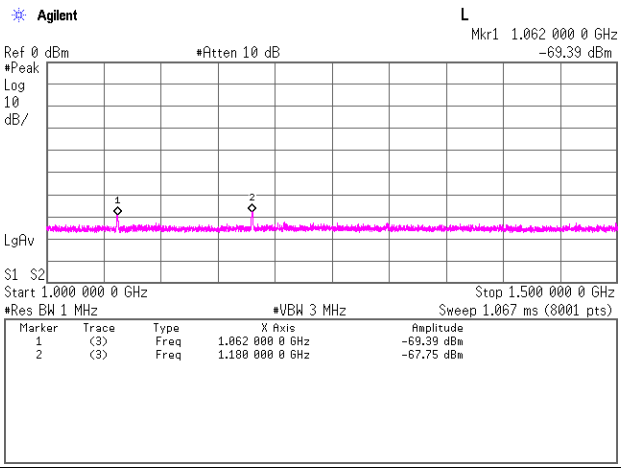
30 MHz - 1 GHz (1)



30 MHz - 1 GHz (2)



1 GHz - 1.5 GHz



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Data of Spurious Emission at Antenna Terminals (Conducted)

UL Japan, Inc. Shonan EMC Lab.
No.5 Shielded room

COMPANY	Edmo Distributors, Inc.		REGULATION	FCC part 87 section 87.139 (a)(3) /
EQUIPMENT	VHF AM TRANSCEIVER			FCC part 2 section 2.1051
MODEL	FL-760A			ANSI/TIA-603-D section 2.2.13
Serial No.	Sample 1		TEST DISTANCE	-
POWER	DC 13.8 V		DATE	October 22, 2015
MODE	Transmitting (Modulation ON	127.500 MHz	TEMPERATURE	26 deg.C
			HUMIDITY	45 %RH
			Engineer	Kenichi Adachi

(DC 13.8 V, modulation, Audio 2.5 kHz, +15.80 dBV (Mic in)(50 % modulation input level (-0.20 dBV)+16 dB), Volume max)

(Spurious Below 1 GHz) (RBW: 10 kHz , VBW: 30 kHz , ATT 10 dB , SWP :auto)

No.	FREQ [MHz]	S/A READING [dBm]	ATT Loss [dB]	Cable Loss [dB]	RESULT Conducted [dBm]	Limit [dBm]	MARGIN Conducted [dB]
1	255.00	-61.85	40.26	0.33	-21.26	-13.00	**8.26**
2	382.50	-72.72	40.48	0.41	-31.83	-13.00	18.83
3	510.00	-68.99	40.70	0.49	-27.80	-13.00	14.80
4	637.50	-71.77	40.90	0.55	-30.32	-13.00	17.32
5	765.00	-77.40	41.10	0.59	-35.71	-13.00	22.71
6	892.50	-71.06	41.31	0.65	-29.10	-13.00	16.10

(Spurious Above 1 GHz) (RBW: 1 MHz , VBW: 3 MHz , ATT 10 dB , SWP: auto)

No.	FREQ [MHz]	S/A READING [dBm]	ATT Loss [dB]	Cable Loss [dB]	RESULT Conducted [dBm]	Limit [dBm]	MARGIN Conducted [dB]
7	1020.00	-71.05	41.49	0.69	-28.88	-13.00	15.88
8	1147.50	-66.78	41.53	0.73	-24.53	-13.00	11.53
9	1275.00	-73.52	41.57	0.77	-31.19	-13.00	18.19

REMARKS
CALCULATION RESULT=Reading + ATT Loss + Cable Loss
*Except for the above table : All other spurious emissions were less than 20 dB for the limit.
- Below 1 GHz : SA PK(RBW: 10 kHz/VBW: 30 kHz) Above 1 GHz : S/A PK(RBW: 1 MHz/VBW: 3 MHz)

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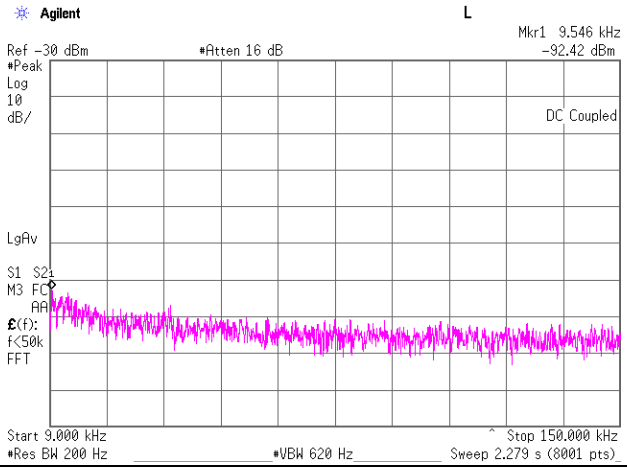
Test place	UL Japan, Inc. Shonan EMC Lab.	No.5 Shielded room
Date	October 22, 2015	
Temperature / Humidity	26 deg.C, 45 %RH	
Engineer	Kenichi Adachi	

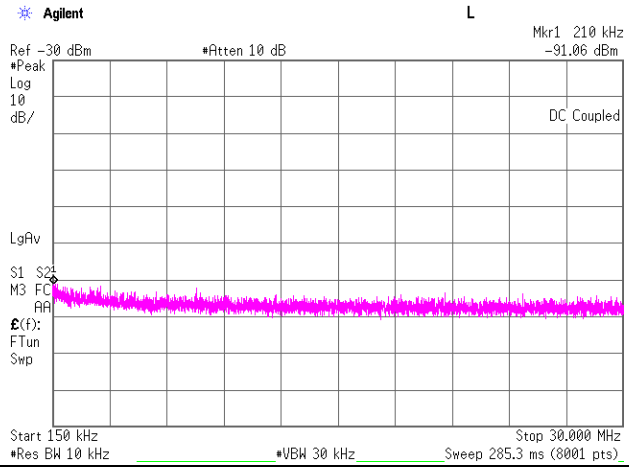
Data of Spurious Emission at Antenna Terminals (Conducted)

Transmitting 127.5 MHz, DC 13.8 V

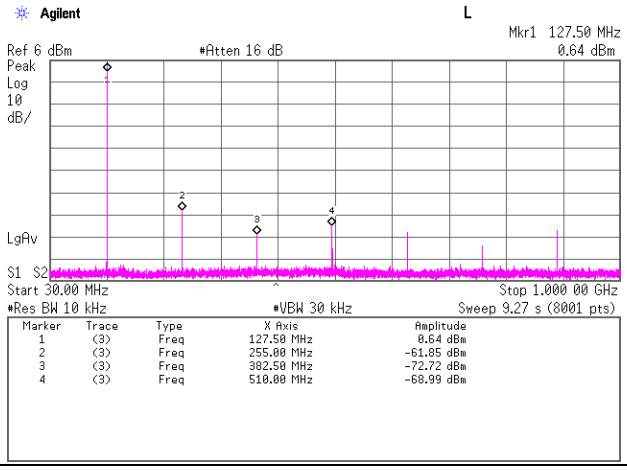
9 kHz - 150 kHz



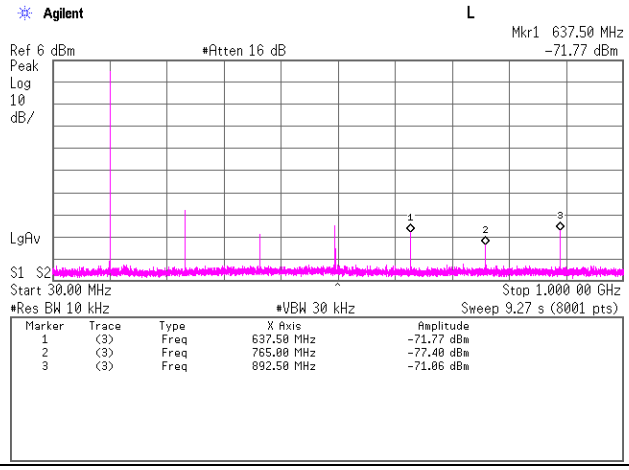
150 kHz - 30 MHz



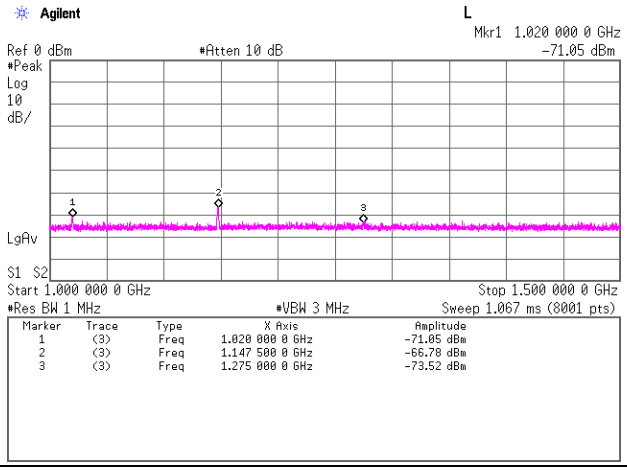
30 MHz - 1 GHz (1)



30 MHz - 1 GHz (2)



1 GHz - 1.5 GHz



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Data of Spurious Emission at Antenna Terminals (Conducted)

UL Japan, Inc. Shonan EMC Lab.
No.5 Shielded room

COMPANY	Edmo Distributors, Inc.		REGULATION	FCC part 87 section 87.139 (a)(3) /
EQUIPMENT	VHF AM TRANSCEIVER			FCC part 2 section 2.1051
MODEL	FL-760A			ANSI/TIA-603-D section 2.2.13
Serial No.	Sample 1		TEST DISTANCE	-
POWER	DC 13.8 V		DATE	October 22, 2015
MODE	Transmitting (Modulation ON	136.975 MHz	TEMPERATURE	26 deg.C
			HUMIDITY	45 %RH
			Engineer	Kenichi Adachi

(DC 13.8 V, modulation, Audio 2.5 kHz, +15.80 dBV (Mic in)(50 % modulation input level (-0.20 dBV)+16 dB), Volume max)

(Spurious Below 1 GHz) (RBW: 10 kHz , VBW: 30 kHz , ATT 10 dB , SWP :auto)

No.	FREQ [MHz]	S/A READING [dBm]	ATT Loss [dB]	Cable Loss [dB]	RESULT Conducted [dBm]	Limit [dBm]	MARGIN Conducted [dB]
1	273.95	-67.53	40.29	0.33	-26.91	-13.00	13.91
2	410.93	-76.42	40.53	0.41	-35.48	-13.00	22.48
3	547.90	-65.85	40.76	0.51	-24.58	-13.00	**11.58**
4	684.88	-87.33	40.98	0.57	-45.78	-13.00	32.78
5	821.85	-79.75	41.20	0.59	-37.96	-13.00	24.96
6	958.83	-75.84	41.41	0.65	-33.78	-13.00	20.78

(Spurious Above 1 GHz) (RBW: 1 MHz , VBW: 3 MHz , ATT 10 dB , SWP: auto)

No.	FREQ [MHz]	S/A READING [dBm]	ATT Loss [dB]	Cable Loss [dB]	RESULT Conducted [dBm]	Limit [dBm]	MARGIN Conducted [dB]
7	1095.80	-70.42	41.51	0.71	-28.20	-13.00	15.20
8	1232.78	-73.60	41.55	0.75	-31.29	-13.00	18.29
9	1369.75	-73.50	41.60	0.80	-31.11	-13.00	18.11

REMARKS
CALCULATION RESULT=Reading + ATT Loss + Cable Loss
*Except for the above table : All other spurious emissions were less than 20 dB for the limit.
- Below 1 GHz : SA PK(RBW: 10 kHz/VBW: 30 kHz) Above 1 GHz : S/A PK(RBW: 1 MHz/VBW: 3 MHz)

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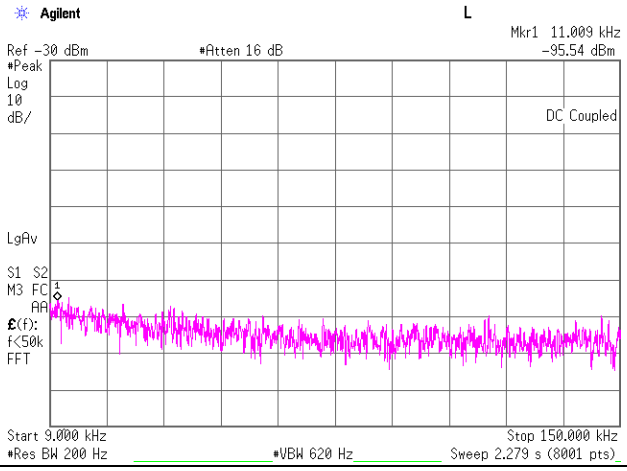
Test place	UL Japan, Inc. Shonan EMC Lab. No.5 Shielded room
Date	October 22, 2015
Temperature / Humidity	26 deg.C, 45 %RH
Engineer	Kenichi Adachi

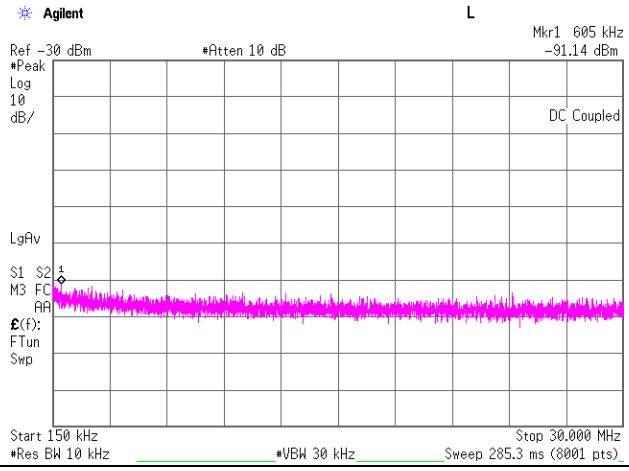
Data of Spurious Emission at Antenna Terminals (Conducted)

Transmitting 136.975 MHz, DC 13.8 V

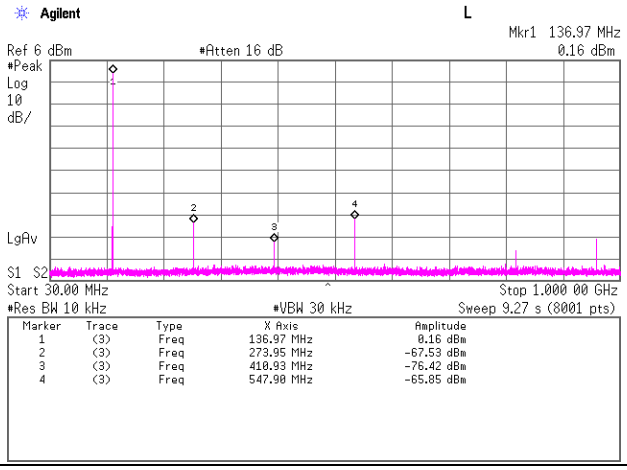
9 kHz - 150 kHz



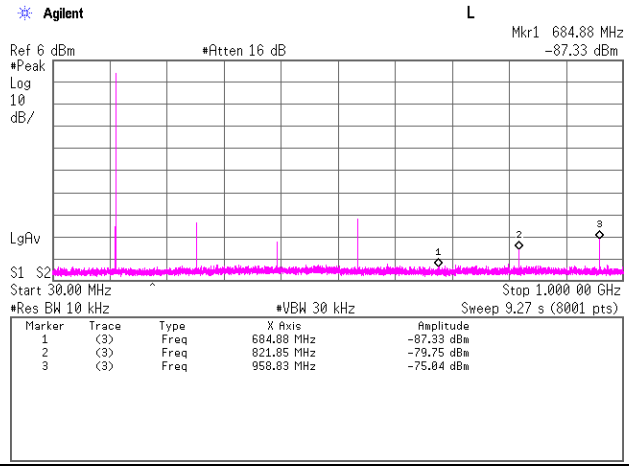
150 kHz - 30 MHz



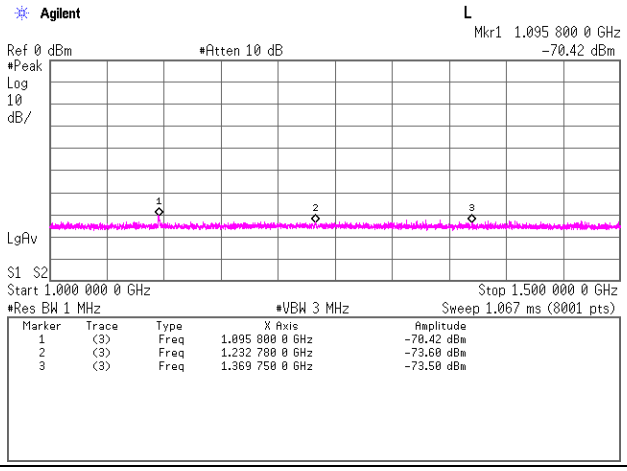
30 MHz - 1 GHz (1)



30 MHz - 1 GHz (2)



1 GHz - 1.5 GHz



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Data of Spurious Emission at Antenna Terminals (Conducted)

UL Japan, Inc. Shonan EMC Lab.
No.5 Shielded room

COMPANY	Edmo Distributors, Inc.		REGULATION	FCC part 87 section 87.139 (a)(3) /
EQUIPMENT	VHF AM TRANSCEIVER			FCC part 2 section 2.1051
MODEL	FL-760A			ANSI/TIA-603-D section 2.2.13
Serial No.	Sample 1		TEST DISTANCE	-
POWER	DC 10.5 V		DATE	October 22, 2015
MODE	Transmitting (Modulation ON	118.000 MHz	TEMPERATURE	26 deg.C
			HUMIDITY	45 %RH
			Engineer	Kenichi Adachi

(DC 10.5 V, modulation, Audio 2.5 kHz, +14.45 dBV (Mic in)(50 % modulation input level (-1.55 dBV)+16 dB), Volume max)

(Spurious Below 1 GHz) (RBW: 10 kHz , VBW: 30 kHz , ATT 10 dB , SWP :auto)

No.	FREQ [MHz]	S/A READING [dBm]	ATT Loss [dB]	Cable Loss [dB]	RESULT Conducted [dBm]	Limit [dBm]	MARGIN Conducted [dB]
1	236.00	-61.27	40.23	0.34	-20.70	-13.00	**7.70**
2	354.00	-77.47	40.43	0.41	-36.63	-13.00	23.63
3	472.00	-63.00	40.63	0.47	-21.89	-13.00	8.89
4	590.00	-63.10	40.82	0.53	-21.75	-13.00	8.75
5	708.00	-87.76	41.01	0.58	-46.16	-13.00	33.16
6	826.00	-74.15	41.20	0.62	-32.33	-13.00	19.33
7	944.00	-71.04	41.39	0.66	-28.99	-13.00	15.99

(Spurious Above 1 GHz) (RBW: 1 MHz , VBW: 3 MHz , ATT 10 dB , SWP: auto)

No.	FREQ [MHz]	S/A READING [dBm]	ATT Loss [dB]	Cable Loss [dB]	RESULT Conducted [dBm]	Limit [dBm]	MARGIN Conducted [dB]
8	1062.00	-70.24	41.50	0.70	-28.04	-13.00	15.04
9	1180.00	-67.67	41.54	0.74	-25.40	-13.00	12.40

REMARKS
CALCULATION RESULT=Reading + ATT Loss + Cable Loss
*Except for the above table : All other spurious emissions were less than 20 dB for the limit.
- Below 1 GHz : SA PK(RBW: 10 kHz/VBW: 30 kHz) Above 1 GHz : S/A PK(RBW: 1 MHz/VBW: 3 MHz)

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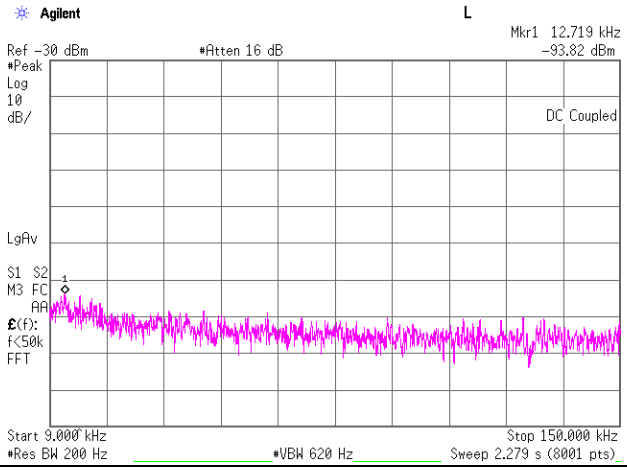
Test place	UL Japan, Inc. Shonan EMC Lab. No.5 Shielded room
Date	October 22, 2015
Temperature / Humidity	26 deg.C, 45 %RH
Engineer	Kenichi Adachi

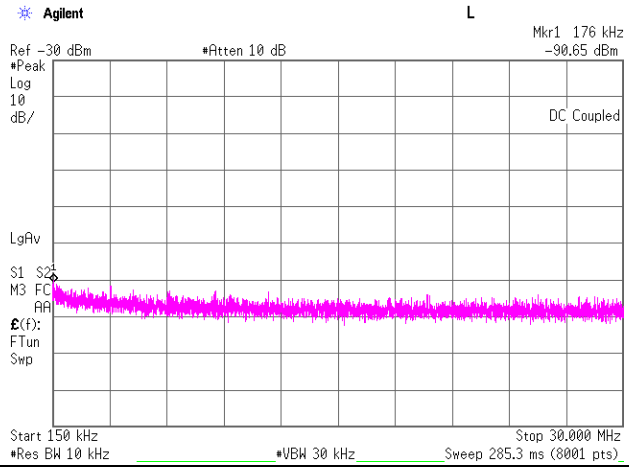
Data of Spurious Emission at Antenna Terminals (Conducted)

Transmitting 118 MHz, DC 10.5 V

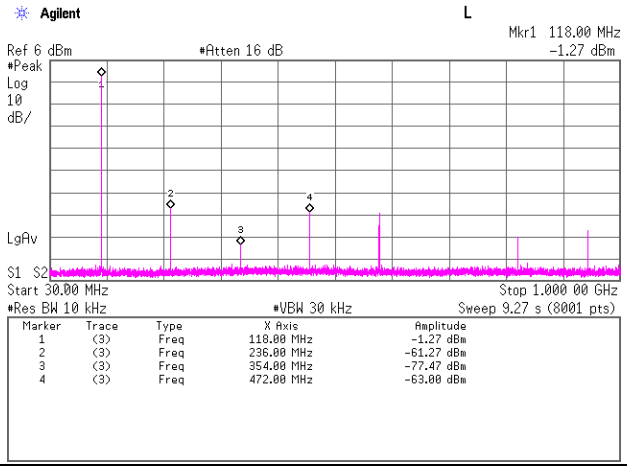
9 kHz - 150 kHz



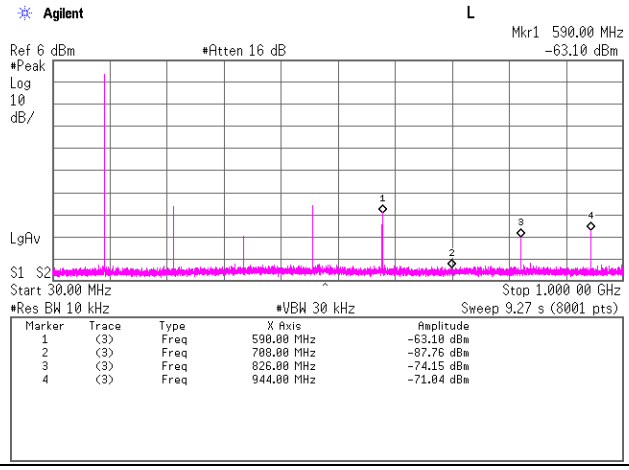
150 kHz - 30 MHz



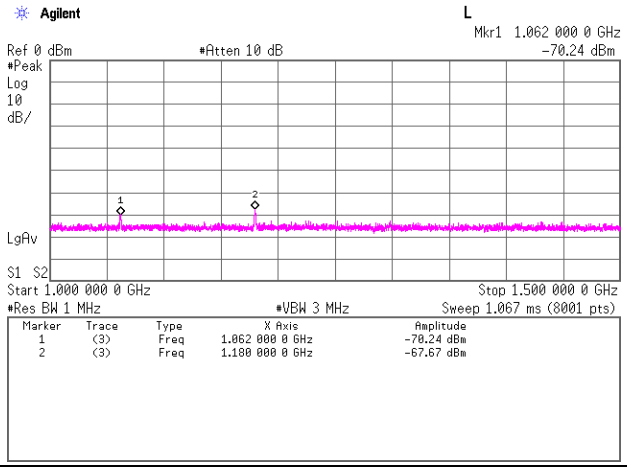
30 MHz - 1 GHz (1)



30 MHz - 1 GHz (2)



1 GHz - 1.5 GHz



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Data of Spurious Emission at Antenna Terminals (Conducted)

UL Japan, Inc. Shonan EMC Lab.
No.5 Shielded room

COMPANY	Edmo Distributors, Inc.		REGULATION	FCC part 87 section 87.139 (a)(3) /
EQUIPMENT	VHF AM TRANSCEIVER			FCC part 2 section 2.1051
MODEL	FL-760A			ANSI/TIA-603-D section 2.2.13
Serial No.	Sample 1		TEST DISTANCE	-
POWER	DC 10.5 V		DATE	October 22, 2015
MODE	Transmitting (Modulation ON	127.500 MHz	TEMPERATURE	26 deg.C
			HUMIDITY	45 %RH
			Engineer	Kenichi Adachi

(DC 10.5 V, modulation, Audio 2.5 kHz, +14.45 dBV (Mic in)(50 % modulation input level (-1.55 dBV)+16 dB), Volume max)

(Spurious Below 1 GHz) (RBW: 10 kHz , VBW: 30 kHz , ATT 10 dB , SWP :auto)

No.	FREQ [MHz]	S/A READING [dBm]	ATT Loss [dB]	Cable Loss [dB]	RESULT Conducted [dBm]	Limit [dBm]	MARGIN Conducted [dB]
1	255.00	-63.64	40.26	0.33	-23.05	-13.00	10.05
2	382.50	-82.79	40.48	0.41	-41.90	-13.00	28.90
3	510.00	-63.30	40.70	0.49	-22.11	-13.00	**9.11**
4	637.50	-65.50	40.90	0.55	-24.05	-13.00	11.05
5	765.00	-77.38	41.10	0.59	-35.69	-13.00	22.69
6	892.50	-71.34	41.31	0.65	-29.38	-13.00	16.38

(Spurious Above 1 GHz) (RBW: 1 MHz , VBW: 3 MHz , ATT 10 dB , SWP: auto)

No.	FREQ [MHz]	S/A READING [dBm]	ATT Loss [dB]	Cable Loss [dB]	RESULT Conducted [dBm]	Limit [dBm]	MARGIN Conducted [dB]
7	1020.00	-72.68	41.49	0.69	-30.51	-13.00	17.51
8	1147.50	-66.95	41.53	0.73	-24.70	-13.00	11.70
9	1275.00	-72.40	41.57	0.77	-30.07	-13.00	17.07

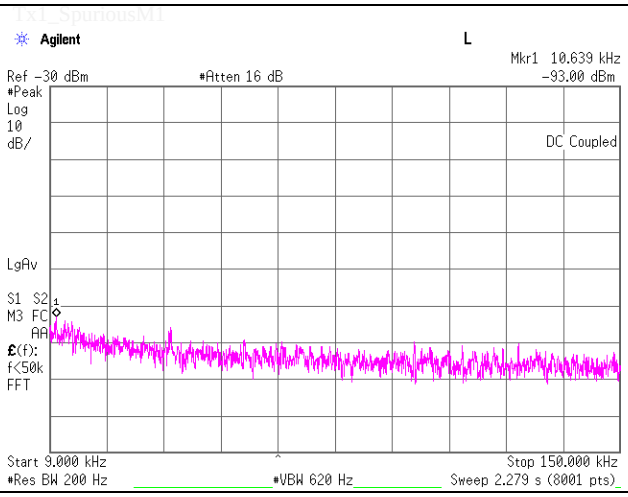
REMARKS
CALCULATION RESULT=Reading + ATT Loss + Cable Loss
*Except for the above table : All other spurious emissions were less than 20 dB for the limit.
- Below 1 GHz : SA PK(RBW: 10 kHz/VBW: 30 kHz) Above 1 GHz : S/A PK(RBW: 1 MHz/VBW: 3 MHz)

Test place	UL Japan, Inc. Shonan EMC Lab. No.5 Shielded room
Date	October 22, 2015
Temperature / Humidity	26 deg.C, 45 %RH
Engineer	Kenichi Adachi

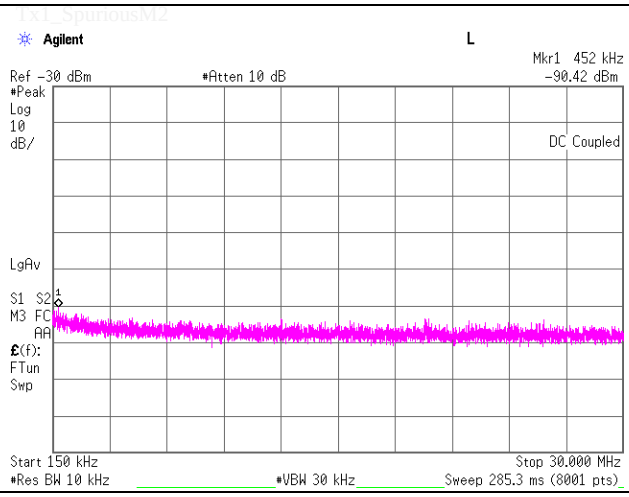
Data of Spurious Emission at Antenna Terminals (Conducted)

Transmitting 127.5 MHz, DC 10.5 V

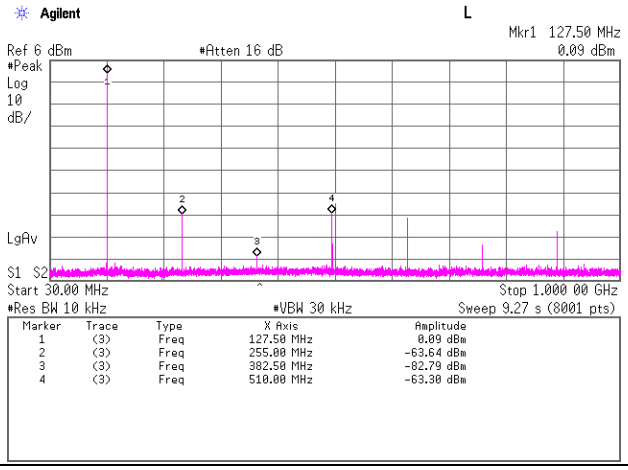
9 kHz - 150 kHz



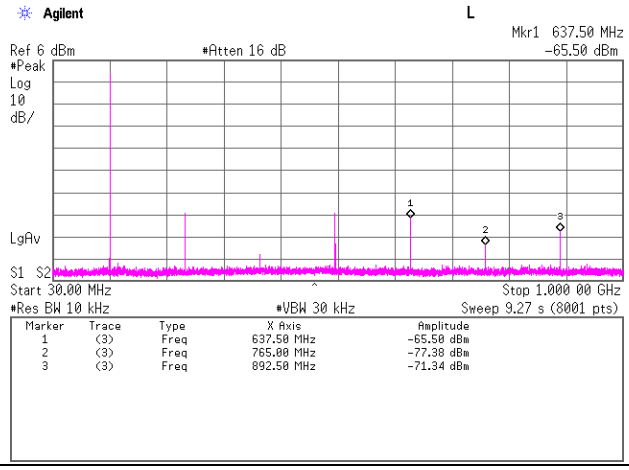
150 kHz - 30 MHz



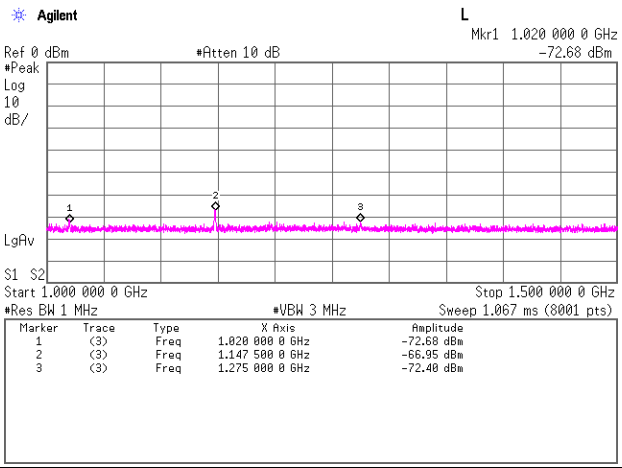
30 MHz - 1 GHz (1)



30 MHz - 1 GHz (2)



1 GHz - 1.5 GHz



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Data of Spurious Emission at Antenna Terminals (Conducted)

UL Japan, Inc. Shonan EMC Lab.
No.5 Shielded room

COMPANY	Edmo Distributors, Inc.		REGULATION	FCC part 87 section 87.139 (a)(3) /
EQUIPMENT	VHF AM TRANSCEIVER			FCC part 2 section 2.1051
MODEL	FL-760A			ANSI/TIA-603-D section 2.2.13
Serial No.	Sample 1		TEST DISTANCE	-
POWER	DC 10.5 V		DATE	October 22, 2015
MODE	Transmitting (Modulation ON	136.975 MHz	TEMPERATURE	26 deg.C
			HUMIDITY	45 %RH
			Engineer	Kenichi Adachi

(DC 10.5 V, modulation, Audio 2.5 kHz, +14.45 dBV (Mic in)(50 % modulation input level (-1.55 dBV)+16 dB), Volume max)

(Spurious Below 1 GHz) (RBW: 10 kHz , VBW: 30 kHz , ATT 10 dB , SWP :auto)

No.	FREQ [MHz]	S/A READING [dBm]	ATT Loss [dB]	Cable Loss [dB]	RESULT Conducted [dBm]	Limit [dBm]	MARGIN Conducted [dB]
1	273.95	-66.34	40.29	0.33	-25.72	-13.00	12.72
2	410.93	-76.32	40.53	0.41	-35.38	-13.00	22.38
3	547.90	-62.85	40.76	0.51	-21.58	-13.00	**8.58**
4	684.88	-83.75	40.98	0.57	-42.20	-13.00	29.20
5	821.85	-83.69	41.20	0.59	-41.90	-13.00	28.90
6	958.83	-76.77	41.41	0.65	-34.71	-13.00	21.71

(Spurious Above 1 GHz) (RBW: 1 MHz , VBW: 3 MHz , ATT 10 dB , SWP: auto)

No.	FREQ [MHz]	S/A READING [dBm]	ATT Loss [dB]	Cable Loss [dB]	RESULT Conducted [dBm]	Limit [dBm]	MARGIN Conducted [dB]
7	1095.80	-72.79	41.51	0.71	-30.57	-13.00	17.57
8	1232.78	-75.52	41.55	0.75	-33.21	-13.00	20.21
9	1369.75	-75.92	41.60	0.80	-33.53	-13.00	20.53

REMARKS
CALCULATION RESULT=Reading + ATT Loss + Cable Loss
*Except for the above table : All other spurious emissions were less than 20 dB for the limit.
- Below 1 GHz : SA PK(RBW: 10 kHz/VBW: 30 kHz) Above 1 GHz : S/A PK(RBW: 1 MHz/VBW: 3 MHz)

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Shonan EMC Lab.
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Telephone : +81 463 50 6400
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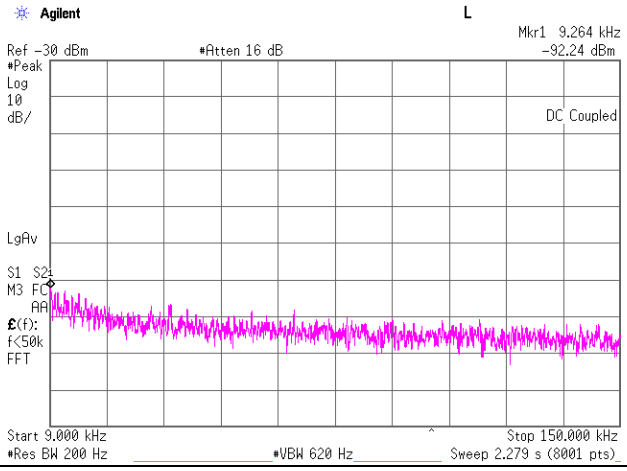
Test place	UL Japan, Inc. Shonan EMC Lab. No.5 Shielded room
Date	October 22, 2015
Temperature / Humidity	26 deg.C, 45 %RH
Engineer	Kenichi Adachi

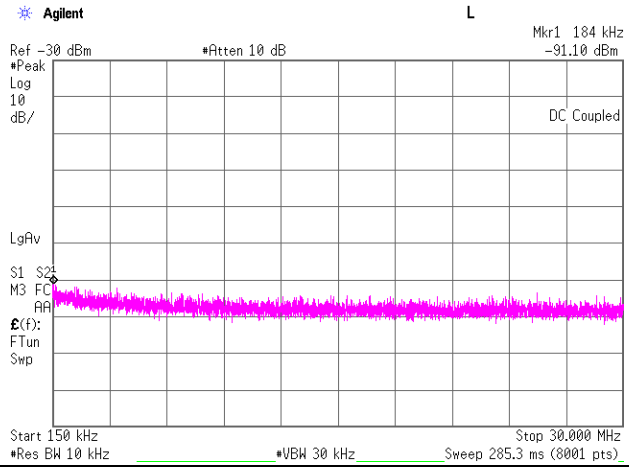
Data of Spurious Emission at Antenna Terminals (Conducted)

Transmitting 136.975 MHz, DC 10.5 V

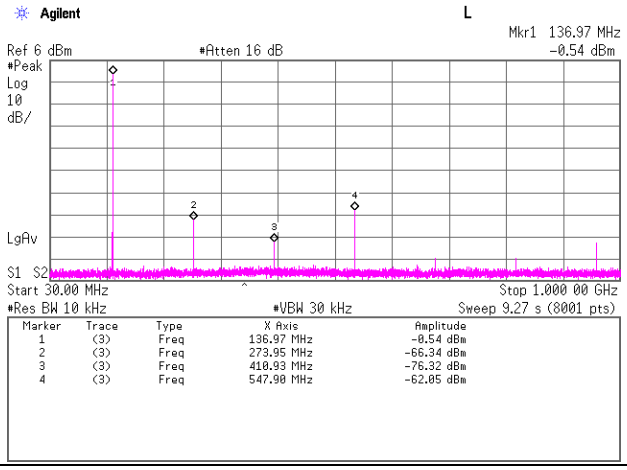
9 kHz - 150 kHz



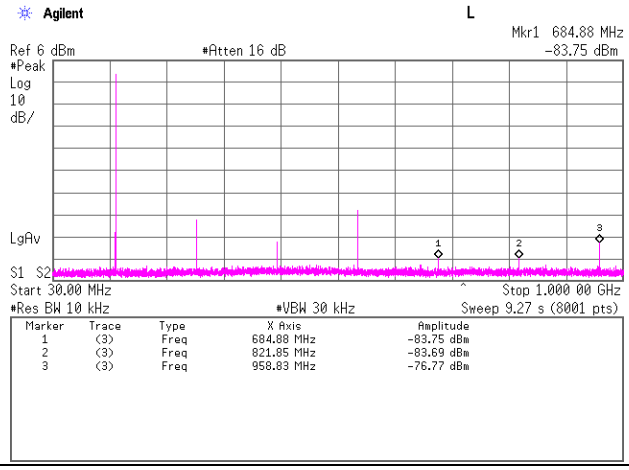
150 kHz - 30 MHz



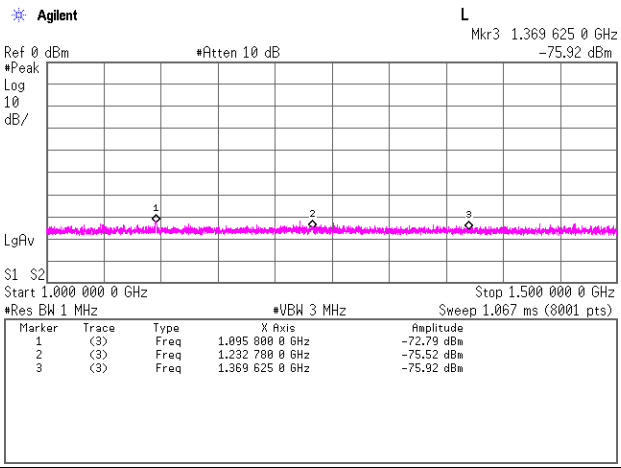
30 MHz - 1 GHz (1)



30 MHz - 1 GHz (2)



1 GHz - 1.5 GHz



UL Japan, Inc.
Shonan EMC Lab.
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Telephone : +81 463 50 6400
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DATA OF RADIATED EMISSION (SUBSTITUTION) TEST

UL Japan,Inc. Shonan EMC Lab. No.2 Semi-Anechoic Chamber
Date : 2015/10/04

Company : Edmo Distributors, Inc.
Kind of EUT : VHF AM TRANSCEIVER
Model No. : FL-760A
Serial No. : Sample 1
Remarks : Input Audio Signal: +15.8 dBV, 2.5 kHz

Mode : Tranmitting (Modulation ON) ,118.000 MHz
Order No. : 10908283S
Power : DC 13.8 V
Temp./Humi. : 24 deg.C / 57 %RH

Limit : FCC part87 Section 87.139 (a) /RSS-141 section5.2.2 (EIRP)
Engineer : Kenichi Adachi

<< EIRP DATA >>

No.	Freq.	Reading <PK>	SG Level	TX Ant.Gain	TX Loss	EIRP Result	EIRP Limit	Margin	Pola.	Height	Angle	TX Ant.Type	Comment
	[MHz]	[dBuV]	[dBm]	[dBi]	[dB]	[dBm]	[dBm]	[dB]		[cm]	[deg]		
1	236.000	49.48	-45.64	2.15	13.50	-56.99	-13.00	43.9	Hori.	159	230	Dipol	
2	354.000	60.18	-37.70	2.15	14.22	-49.77	-13.00	36.7	Hori.	100	184	Dipol	
3	472.000	60.09	-32.80	2.15	15.03	-45.68	-13.00	32.6	Hori.	228	139	Dipol	
4	590.000	78.96	-11.34	2.15	15.77	-24.96	-13.00	11.9	Hori.	168	135	Dipol	
5	708.000	62.16	-25.15	2.15	16.48	-39.48	-13.00	26.4	Hori.	142	127	Dipol	
6	826.000	71.06	-13.90	2.15	17.09	-28.84	-13.00	15.8	Hori.	115	166	Dipol	
7	944.000	63.12	-19.90	2.15	17.72	-35.47	-13.00	22.4	Hori.	100	258	Dipol	
8	236.000	45.87	-42.87	2.15	13.50	-54.22	-13.00	41.2	Vert.	100	339	Dipol	
9	354.000	54.67	-40.37	2.15	14.22	-52.44	-13.00	39.4	Vert.	100	351	Dipol	
10	472.000	64.72	-27.05	2.15	15.03	-39.93	-13.00	26.9	Vert.	107	195	Dipol	
11	590.000	73.19	-17.08	2.15	15.77	-30.70	-13.00	17.7	Vert.	100	153	Dipol	
12	708.000	57.96	-28.16	2.15	16.48	-42.49	-13.00	29.4	Vert.	135	228	Dipol	
13	826.000	68.43	-13.35	2.15	17.09	-28.29	-13.00	15.2	Vert.	118	221	Dipol	
14	944.000	65.74	-14.71	2.15	17.72	-30.28	-13.00	17.2	Vert.	110	79	Dipol	

Calculation:Result [dBm] =SG level [dB] +Tx Ant Gain [dBi] -Tx Loss (Cable+ATT) [dB]
Tx Ant: 120MHz turned Dipole (30M-120M), Dipole (120M-1G) / Rx-Ant: Biconical (25M-300M), Logperiodic (300M-1G)

DATA OF RADIATED EMISSION(SUBSTITUTION) TEST

UL Japan,Inc. Shonan EMC Lab. No.3 Semi-Anechoic Chamber
Date : 2015/10/02

Company : Edmo Distributors, Inc.
Kind of EUT : VHF AM TRANSCEIVER
Model No. : FL-760A
Serial No. : Sample 1
Remarks : **Input Audio Signal: +15.8 dBV,2.5 kHz**

Mode : Tranmitting(Modulation ON),118.000 **MHz**
Order No. : 10908283S
Power : DC 13.8 V
Temp./Humi. : 24 deg.C / 50 %RH

Limit : FCC part87 Section 87.139(a)/RSS-141 section5.2.2(EIRP)
Engineer : Yosuke Ishikawa

<< EIRP DATA >>

No.	Freq.	Reading <PK>	SG Level	TX Ant.Gain	TX Loss	EIRP Result	EIRP Limit	Margin	Pola.	Height	Angle	TX Ant.Type	Comment
	[MHz]	[dBuV]	[dBm]	[dBi]	[dB]	[dBm]	[dBm]	[dB]		[cm]	[deg]		
1	1032.066	50.66	-52.42	5.64	4.14	-50.92	-13.00	37.9	Hori.	100	234	Horn	
2	1062.000	52.94	-49.77	5.78	4.20	-48.19	-13.00	35.1	Hori.	100	184	Horn	
3	1180.000	60.48	-43.04	6.33	4.41	-41.12	-13.00	28.1	Hori.	100	96	Horn	
4	1298.000	53.44	-48.98	6.88	4.63	-46.73	-13.00	33.7	Hori.	100	315	Horn	
5	1416.000	55.85	-47.89	7.44	4.85	-45.30	-13.00	32.3	Hori.	100	126	Horn	
6	1500.000	52.74	-51.49	7.83	5.01	-48.67	-13.00	35.6	Hori.	100	218	Horn	
7	1534.000	54.23	-50.43	8.04	5.06	-47.45	-13.00	34.4	Hori.	100	119	Horn	
8	1652.000	52.18	-52.01	8.78	5.25	-48.48	-13.00	35.4	Hori.	100	333	Horn	
9	1770.000	51.68	-51.87	9.52	5.44	-47.79	-13.00	34.7	Hori.	100	226	Horn	
10	1888.000	49.15	-53.63	10.26	5.62	-48.99	-13.00	35.9	Hori.	100	221	Horn	
11	1032.373	49.85	-55.75	5.64	4.14	-54.25	-13.00	41.2	Vert.	100	72	Horn	
12	1062.000	55.32	-50.28	5.78	4.20	-48.70	-13.00	35.7	Vert.	100	158	Horn	
13	1180.000	63.16	-42.39	6.33	4.41	-40.47	-13.00	27.4	Vert.	100	237	Horn	
14	1298.000	53.67	-49.87	6.88	4.63	-47.62	-13.00	34.6	Vert.	100	244	Horn	
15	1416.000	54.40	-49.29	7.44	4.85	-46.70	-13.00	33.7	Vert.	100	135	Horn	
16	1534.000	54.26	-50.12	8.04	5.06	-47.14	-13.00	34.1	Vert.	100	342	Horn	
17	1548.250	50.44	-54.21	8.13	5.09	-51.17	-13.00	38.1	Vert.	100	345	Horn	
18	1652.000	55.43	-50.16	8.78	5.25	-46.63	-13.00	33.6	Vert.	100	350	Horn	
19	1770.000	53.98	-51.68	9.52	5.44	-47.60	-13.00	34.6	Vert.	100	27	Horn	
20	1888.000	49.85	-53.65	10.26	5.62	-49.01	-13.00	36.0	Vert.	100	359	Horn	

Calculation:Result[dBm]=SG level[dB]+Tx Ant Gain[dBi]-Tx Loss (Cable)[dB]
Tx Antenna: Horn(1G-40G) / Rx-Antenna: Horn(1G-40G)

DATA OF RADIATED EMISSION (SUBSTITUTION) TEST

UL Japan,Inc. Shonan EMC Lab. No.2 Semi-Anechoic Chamber
Date : 2015/10/04

Company : Edmo Distributors, Inc.
Kind of EUT : VHF AM TRANSCEIVER
Model No. : FL-760A
Serial No. : Sample 1
Remarks : Input Audio Signal: +15.8 dBV, 2.5 kHz

Mode : Tranmitting (Modulation ON) ,127.500 MHz
Order No. : 10908283S
Power : DC 13.8 V
Temp./Humi. : 24 deg.C / 57 %RH

Limit : FCC part87 Section 87.139 (a) /RSS-141 section5.2.2 (EIRP)
Engineer : Kenichi Adachi

<< EIRP DATA >>

No.	Freq.	Reading <PK>	SG Level	TX Ant.Gain	TX Loss	EIRP Result	EIRP Limit	Margin	Pola.	Height	Angle	TX Ant.Type	Comment
	[MHz]	[dBuV]	[dBm]	[dBi]	[dB]	[dBm]	[dBm]	[dB]		[cm]	[deg]		
1	255.000	53.86	-40.14	2.15	13.66	-51.65	-13.00	38.6	Hori.	133	235	Dipol	
2	382.500	59.98	-36.30	2.15	14.41	-48.56	-13.00	35.5	Hori.	100	190	Dipol	
3	510.000	63.28	-28.84	2.15	15.28	-41.97	-13.00	28.9	Hori.	100	114	Dipol	
4	637.500	75.76	-14.73	2.15	16.07	-28.65	-13.00	15.6	Hori.	156	119	Dipol	
5	765.000	67.24	-20.15	2.15	16.76	-34.76	-13.00	21.7	Hori.	149	203	Dipol	
6	892.500	56.26	-27.38	2.15	17.47	-42.70	-13.00	29.7	Hori.	100	183	Dipol	
7	255.000	54.93	-32.25	2.15	13.66	-43.76	-13.00	30.7	Vert.	166	179	Dipol	
8	382.500	54.86	-38.40	2.15	14.41	-50.66	-13.00	37.6	Vert.	100	240	Dipol	
9	510.000	60.44	-30.33	2.15	15.28	-43.46	-13.00	30.4	Vert.	100	52	Dipol	
10	637.500	71.48	-17.35	2.15	16.07	-31.27	-13.00	18.2	Vert.	100	135	Dipol	
11	765.000	65.43	-16.95	2.15	16.76	-31.56	-13.00	18.5	Vert.	100	38	Dipol	
12	892.500	52.98	-27.64	2.15	17.47	-42.96	-13.00	29.9	Vert.	100	221	Dipol	

Calculation:Result [dBm] =SG level [dB] +Tx Ant Gain [dBi] -Tx Loss (Cable+ATT) [dB]
Tx Ant: 120MHz turned Dipole (30M-120M), Dipole (120M-1G) / Rx-Ant: Biconical (25M-300M), Logperiodic (300M-1G)

DATA OF RADIATED EMISSION(SUBSTITUTION) TEST

UL Japan,Inc. Shonan EMC Lab. No.3 Semi-Anechoic Chamber
Date : 2015/10/02

Company : Edmo Distributors, Inc.
Kind of EUT : VHF AM TRANSCEIVER
Model No. : FL-760A
Serial No. : Sample 1
Remarks : **Input Audio Signal: +15.8 dBV,2.5 kHz**

Mode : Tranmitting(Modulation ON),127.500 **MHz**
Order No. : 10908283S
Power : DC 13.8 V
Temp./Humi. : 24 deg.C / 50 %RH

Limit : FCC part87 Section 87.139(a)/RSS-141 section5.2.2(EIRP)
Engineer : Yosuke Ishikawa

<< EIRP DATA >>

No.	Freq.	Reading <PK>	SG Level	TX Ant.Gain	TX Loss	EIRP Result	EIRP Limit	Margin	Pola.	Height	Angle	TX Ant.Type	Comment
	[MHz]	[dBuV]	[dBm]	[dBi]	[dB]	[dBm]	[dBm]	[dB]		[cm]	[deg]		
1	1020.000	59.87	-44.26	5.58	4.12	-42.80	-13.00	29.8	Hori.	100	320	Horn	
2	1147.500	60.79	-42.89	6.18	4.35	-41.06	-13.00	28.0	Hori.	100	100	Horn	
3	1275.000	53.59	-49.43	6.78	4.59	-47.24	-13.00	34.2	Hori.	100	125	Horn	
4	1320.000	49.89	-53.69	6.99	4.68	-51.38	-13.00	38.3	Hori.	100	165	Horn	
5	1402.500	54.38	-47.59	7.37	4.83	-45.05	-13.00	32.0	Hori.	100	154	Horn	
6	1500.000	52.61	-51.63	7.83	5.01	-48.81	-13.00	35.8	Hori.	100	223	Horn	
7	1530.000	57.63	-47.00	8.02	5.06	-44.04	-13.00	31.0	Hori.	100	118	Horn	
8	1657.500	51.66	-52.02	8.82	5.26	-48.46	-13.00	35.4	Hori.	100	141	Horn	
9	1785.000	50.58	-52.87	9.61	5.46	-48.72	-13.00	35.7	Hori.	100	228	Horn	
10	1912.500	50.80	-52.02	10.41	5.66	-47.27	-13.00	34.2	Hori.	100	111	Horn	
11	1020.000	59.58	-46.03	5.58	4.12	-44.57	-13.00	31.5	Vert.	100	327	Horn	
12	1147.500	63.21	-42.15	6.18	4.35	-40.32	-13.00	27.3	Vert.	100	175	Horn	
13	1275.000	55.10	-47.19	6.78	4.59	-45.00	-13.00	32.0	Vert.	100	193	Horn	
14	1402.500	52.92	-51.29	7.37	4.83	-48.75	-13.00	35.7	Vert.	100	159	Horn	
15	1530.000	56.72	-44.94	8.02	5.06	-41.98	-13.00	28.9	Vert.	100	325	Horn	
16	1657.500	57.59	-48.23	8.82	5.26	-44.67	-13.00	31.6	Vert.	100	359	Horn	
17	1720.137	50.37	-55.29	9.21	5.36	-51.44	-13.00	38.4	Vert.	100	206	Horn	
18	1785.000	53.38	-52.01	9.61	5.46	-47.86	-13.00	34.8	Vert.	100	39	Horn	
19	1912.500	51.26	-52.06	10.41	5.66	-47.31	-13.00	34.3	Vert.	100	238	Horn	

Calculation:Result[dBm]=SG level[dB]+Tx Ant Gain[dBi]-Tx Loss (Cable)[dB]
Tx Antenna: Horn(1G-40G) / Rx-Antenna: Horn(1G-40G)

DATA OF RADIATED EMISSION (SUBSTITUTION) TEST

UL Japan,Inc. Shonan EMC Lab. No.2 Semi-Anechoic Chamber
Date : 2015/10/04

Company : Edmo Distributors, Inc.
Kind of EUT : VHF AM TRANSCEIVER
Model No. : FL-760A
Serial No. : Sample 1
Remarks : Input Audio Signal: +15.8 dBV, 2.5 kHz

Mode : Tranmitting (Modulation ON) ,136.975 MHz
Order No. : 10908283S
Power : DC 13.8 V
Temp./Humi. : 24 deg.C / 57 %RH

Limit : FCC part87 Section 87.139 (a) /RSS-141 section5.2.2 (EIRP)
Engineer : Kenichi Adachi

<< EIRP DATA >>

No.	Freq.	Reading <PK>	SG Level	TX Ant.Gain	TX Loss	EIRP Result	EIRP Limit	Margin	Pola.	Height	Angle	TX Ant.Type	Comment
	[MHz]	[dBuV]	[dBm]	[dBi]	[dB]	[dBm]	[dBm]	[dB]		[cm]	[deg]		
1	273.950	61.24	-31.48	2.15	13.81	-43.14	-13.00	30.1	Hori.	135	167	Dipol	
2	410.925	57.25	-38.70	2.15	14.62	-51.17	-13.00	38.1	Hori.	100	194	Dipol	
3	547.900	74.76	-15.94	2.15	15.51	-29.30	-13.00	16.3	Hori.	166	152	Dipol	
4	684.875	63.08	-25.34	2.15	16.35	-39.54	-13.00	26.5	Hori.	143	143	Dipol	
5	821.850	65.45	-20.25	2.15	17.06	-35.16	-13.00	22.1	Hori.	100	157	Dipol	
6	958.825	66.64	-15.84	2.15	17.79	-31.48	-13.00	18.4	Hori.	100	133	Dipol	
7	273.950	60.52	-24.27	2.15	13.81	-35.93	-13.00	22.9	Vert.	100	111	Dipol	
8	410.925	54.06	-38.78	2.15	14.62	-51.25	-13.00	38.2	Vert.	100	252	Dipol	
9	547.900	72.16	-18.92	2.15	15.51	-32.28	-13.00	19.2	Vert.	100	213	Dipol	
10	684.875	60.82	-26.66	2.15	16.35	-40.86	-13.00	27.8	Vert.	100	349	Dipol	
11	821.850	61.82	-20.30	2.15	17.06	-35.21	-13.00	22.2	Vert.	100	68	Dipol	
12	958.825	63.12	-16.60	2.15	17.79	-32.24	-13.00	19.2	Vert.	120	9	Dipol	

Calculation:Result [dBm] =SG level [dB] +Tx Ant Gain [dBi] -Tx Loss (Cable+ATT) [dB]
Tx Ant: 120MHz turned Dipole (30M-120M), Dipole (120M-1G) / Rx-Ant: Biconical (25M-300M), Logperiodic (300M-1G)

DATA OF RADIATED EMISSION(SUBSTITUTION) TEST

UL Japan,Inc. Shonan EMC Lab. No.3 Semi-Anechoic Chamber
Date : 2015/10/02

Company : Edmo Distributors, Inc.
Kind of EUT : VHF AM TRANSCEIVER
Model No. : FL-760A
Serial No. : Sample 1
Remarks : **Input Audio Signal: +15.8 dBV,2.5 kHz**

Mode : Tranmitting(Modulation ON),136.975 **MHz**
Order No. : 10908283S
Power : DC 13.8 V
Temp./Humi. : 24 deg.C / 50 %RH

Limit : FCC part87 Section 87.139(a)/RSS-141 section5.2.2(EIRP)
Engineer : Yosuke Ishikawa

<< EIRP DATA >>

No.	Freq.	Reading <PK>	SG Level	TX Ant.Gain	TX Loss	EIRP Result	EIRP Limit	Margin	Pola.	Height	Angle	TX Ant.Type	Comment
	[MHz]	[dBuV]	[dBm]	[dBi]	[dB]	[dBm]	[dBm]	[dB]		[cm]	[deg]		
1	1095.800	53.92	-50.17	5.94	4.26	-48.49	-13.00	35.4	Hori.	100	231	Horn	
2	1232.775	55.35	-47.83	6.58	4.51	-45.76	-13.00	32.7	Hori.	100	359	Horn	
3	1369.750	53.08	-50.25	7.22	4.77	-47.80	-13.00	34.8	Hori.	100	138	Horn	
4	1500.000	52.64	-51.72	7.83	5.01	-48.90	-13.00	35.9	Hori.	100	224	Horn	
5	1506.725	53.25	-51.85	7.87	5.02	-49.00	-13.00	36.0	Hori.	100	144	Horn	
6	1643.700	54.21	-50.21	8.73	5.24	-46.72	-13.00	33.7	Hori.	100	146	Horn	
7	1780.675	51.79	-51.82	9.59	5.45	-47.68	-13.00	34.6	Hori.	100	221	Horn	
8	1917.650	50.37	-52.66	10.44	5.67	-47.89	-13.00	34.8	Hori.	100	118	Horn	
9	1095.800	52.66	-53.18	5.94	4.26	-51.50	-13.00	38.5	Vert.	100	39	Horn	
10	1232.775	57.45	-46.10	6.58	4.51	-44.03	-13.00	31.0	Vert.	100	173	Horn	
11	1369.750	53.07	-50.19	7.22	4.77	-47.74	-13.00	34.7	Vert.	100	359	Horn	
12	1506.725	52.85	-51.71	7.87	5.02	-48.86	-13.00	35.8	Vert.	100	151	Horn	
13	1643.700	61.25	-44.27	8.73	5.24	-40.78	-13.00	27.7	Vert.	100	359	Horn	
14	1780.675	55.86	-49.99	9.59	5.45	-45.85	-13.00	32.8	Vert.	100	346	Horn	
15	1917.650	51.92	-51.58	10.44	5.67	-46.81	-13.00	33.8	Vert.	100	197	Horn	

Calculation:Result[dBm]=SG level[dB]+Tx Ant Gain[dBi]-Tx Loss (Cable)[dB]
Tx Antenna: Horn(1G-40G) / Rx-Antenna: Horn(1G-40G)

Data of Frequency Tolerance

UL Japan, Inc.
Shonan EMC Lab. No.5 Shielded room

Company	Edmo Distributors, Inc	Regulation	FCC Part87, Section 87.133(a) / FCC part 2 section 2.1055	
Equipment	VHF AM TRANSCEIVER			
Model	FL-760A	Date	October 13, 2015	October 15, 2015
Serial No.	Sample 1	Temperature	22 deg.C	20 deg.C
Power	DC 26 V	Humidity	45 %RH	50 %RH
Mode	Transmitting 118 MHz	ENGINEER	Tomohiro Hara	Hiroyuki Morikawa

Temperature Variation: -30 deg.C , Voltage: DC 26 V

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (MHz)	Frequency torerance (ppm)	Limit (ppm)
startup	118	118.000005	0.000005	0.04237	+/-20.000
after 1 minutes	118	118.000005	0.000005	0.04237	+/-20.000
after 2 minutes	118	118.000004	0.000004	0.03390	+/-20.000
after 5 minutes	118	118.000004	0.000004	0.03390	+/-20.000

Temperature Variation: -20 deg.C , Voltage: DC 26 V

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (MHz)	Frequency torerance (ppm)	Limit (ppm)
startup	118	118.000007	0.000007	0.05932	+/-20.000
after 1 minutes	118	118.000008	0.000008	0.06780	+/-20.000
after 2 minutes	118	118.000013	0.000013	0.11017	+/-20.000
after 5 minutes	118	118.000021	0.000021	0.17797	+/-20.000

Temperature Variation: -10 deg.C , Voltage: DC 26 V

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (MHz)	Frequency torerance (ppm)	Limit (ppm)
startup	118	118.000010	0.000010	0.08475	+/-20.000
after 1 minutes	118	118.000013	0.000013	0.11017	+/-20.000
after 2 minutes	118	118.000017	0.000017	0.14407	+/-20.000
after 5 minutes	118	118.000016	0.000016	0.13559	+/-20.000

Temperature Variation: 0 deg.C , Voltage: DC 26 V

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (MHz)	Frequency torerance (ppm)	Limit (ppm)
startup	118	118.000010	0.000010	0.08475	+/-20.000
after 1 minutes	118	118.000012	0.000012	0.10169	+/-20.000
after 2 minutes	118	118.000012	0.000012	0.10169	+/-20.000
after 5 minutes	118	118.000016	0.000016	0.13559	+/-20.000

Temperature Variation: 10 deg.C , Voltage: DC 26 V

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (MHz)	Frequency torerance (ppm)	Limit (ppm)
startup	118	118.000009	0.000009	0.07627	+/-20.000
after 1 minutes	118	118.000011	0.000011	0.09322	+/-20.000
after 2 minutes	118	118.000012	0.000012	0.10169	+/-20.000
after 5 minutes	118	118.000015	0.000015	0.12712	+/-20.000

* EUT cannot transmit at after 10 minutes, since it was overheated.

Data of Frequency Tolerance

Temperature Variation: 20 deg.C , Voltage: DC 26 V

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (MHz)	Frequency torerance (ppm)	Limit (ppm)
startup	118	117.999999	-0.000001	-0.00847	+/-20.000
after 1 minutes	118	117.999999	-0.000001	-0.00847	+/-20.000
after 2 minutes	118	117.999998	-0.000002	-0.01695	+/-20.000
after 5 minutes	118	117.999995	-0.000005	-0.04237	+/-20.000

Temperature Variation: 30 deg.C , Voltage: DC 26 V

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (MHz)	Frequency torerance (ppm)	Limit (ppm)
startup	118	117.999991	-0.000009	-0.07627	+/-20.000
after 1 minutes	118	117.999991	-0.000009	-0.07627	+/-20.000
after 2 minutes	118	117.999991	-0.000009	-0.07627	+/-20.000
after 5 minutes	118	117.999994	-0.000006	-0.05085	+/-20.000

Temperature Variation: 40 deg.C , Voltage: DC 26 V

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (MHz)	Frequency torerance (ppm)	Limit (ppm)
startup	118	117.999989	-0.000011	-0.09322	+/-20.000
after 1 minutes	118	117.999990	-0.000010	-0.08475	+/-20.000
after 2 minutes	118	117.999991	-0.000009	-0.07627	+/-20.000
after 5 minutes	118	117.999996	-0.000004	-0.03390	+/-20.000

Temperature Variation: 50 deg.C , Voltage: DC 26 V

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (MHz)	Frequency torerance (ppm)	Limit (ppm)
startup	118	117.999994	-0.000006	-0.05085	+/-20.000
after 1 minutes	118	117.999995	-0.000005	-0.04237	+/-20.000
after 2 minutes	118	117.999999	-0.000001	-0.00847	+/-20.000
after 5 minutes	118	118.000007	0.000007	0.05932	+/-20.000

Voltage Variation: DC 33 V, Temperature: 20 deg.C

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (MHz)	Frequency torerance (ppm)	Limit (ppm)
startup	118	118.000008	0.000008	0.06780	+/-20.000
after 1 minutes	118	118.000008	0.000008	0.06780	+/-20.000
after 2 minutes	118	118.000007	0.000007	0.05932	+/-20.000
after 5 minutes	118	118.000001	0.000001	0.00847	+/-20.000

Voltage Variation: DC 10.5 V, Temperature: 20 deg.C

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (MHz)	Frequency torerance (ppm)	Limit (ppm)
startup	118	117.999995	-0.000005	-0.04237	+/-20.000
after 1 minutes	118	117.999997	-0.000003	-0.02542	+/-20.000
after 2 minutes	118	117.999997	-0.000003	-0.02542	+/-20.000
after 5 minutes	118	117.999995	-0.000005	-0.04237	+/-20.000

* EUT cannot transmit at after 10 minutes, since it was overheated.

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Data of Frequency Tolerance

UL Japan, Inc.
Shonan EMC Lab. No.5 Shielded room

Company	Edmo Distributors, Inc	Regulation	FCC Part87, Section 87.133(a) / FCC part 2 section 2.1055	
Equipment	VHF AM TRANSCEIVER			
Model	FL-760A	Date	October 13, 2015	October 15, 2015
Serial No.	Sample 1	Temperature	22 deg.C	20 deg.C
Power	DC 26 V	Humidity	45 %RH	50 %RH
Mode	Transmitting 127.5 MHz	ENGINEER	Tomohiro Hara	Hiroyuki Morikawa

Temperature Variation: -30 deg.C , Voltage: DC 26 V

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (MHz)	Frequency torerance (ppm)	Limit (ppm)
startup	127.5	127.499997	-0.000003	-0.02353	+/-20.000
after 1 minutes	127.5	127.499997	-0.000003	-0.02353	+/-20.000
after 2 minutes	127.5	127.500002	0.000002	0.01569	+/-20.000
after 5 minutes	127.5	127.500012	0.000012	0.09412	+/-20.000

Temperature Variation: -20 deg.C , Voltage: DC 26 V

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (MHz)	Frequency torerance (ppm)	Limit (ppm)
startup	127.5	127.499996	-0.000004	-0.03137	+/-20.000
after 1 minutes	127.5	127.499995	-0.000005	-0.03922	+/-20.000
after 2 minutes	127.5	127.499998	-0.000002	-0.01569	+/-20.000
after 5 minutes	127.5	127.500018	0.000018	0.14118	+/-20.000

Temperature Variation: -10 deg.C , Voltage: DC 26 V

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (MHz)	Frequency torerance (ppm)	Limit (ppm)
startup	127.5	127.500015	0.000015	0.11765	+/-20.000
after 1 minutes	127.5	127.500017	0.000017	0.13333	+/-20.000
after 2 minutes	127.5	127.500015	0.000015	0.11765	+/-20.000
after 5 minutes	127.5	127.500018	0.000018	0.14118	+/-20.000

Temperature Variation: 0 deg.C , Voltage: DC 26 V

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (MHz)	Frequency torerance (ppm)	Limit (ppm)
startup	127.5	127.500100	0.000100	0.78431	+/-20.000
after 1 minutes	127.5	127.500011	0.000011	0.08627	+/-20.000
after 2 minutes	127.5	127.500014	0.000014	0.10980	+/-20.000
after 5 minutes	127.5	127.500018	0.000018	0.14118	+/-20.000

Temperature Variation: 10 deg.C , Voltage: DC 26 V

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (MHz)	Frequency torerance (ppm)	Limit (ppm)
startup	127.5	127.500013	0.000013	0.10196	+/-20.000
after 1 minutes	127.5	127.500014	0.000014	0.10980	+/-20.000
after 2 minutes	127.5	127.500014	0.000014	0.10980	+/-20.000
after 5 minutes	127.5	127.500012	0.000012	0.09412	+/-20.000

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Data of Frequency Tolerance

Temperature Variation: 20 deg.C , Voltage: DC 26 V

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (MHz)	Frequency torerance (ppm)	Limit (ppm)
startup	127.5	127.499995	-0.000005	-0.03922	+/-20.000
after 1 minutes	127.5	127.499996	-0.000004	-0.03137	+/-20.000
after 2 minutes	127.5	127.499996	-0.000004	-0.03137	+/-20.000
after 5 minutes	127.5	127.499995	-0.000005	-0.03922	+/-20.000

Temperature Variation: 30 deg.C , Voltage: DC 26 V

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (MHz)	Frequency torerance (ppm)	Limit (ppm)
startup	127.5	127.499992	-0.000008	-0.06275	+/-20.000
after 1 minutes	127.5	127.499991	-0.000009	-0.07059	+/-20.000
after 2 minutes	127.5	127.499991	-0.000009	-0.07059	+/-20.000
after 5 minutes	127.5	127.499992	-0.000008	-0.06275	+/-20.000

Temperature Variation: 40 deg.C , Voltage: DC 26 V

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (MHz)	Frequency torerance (ppm)	Limit (ppm)
startup	127.5	127.499992	-0.000008	-0.06275	+/-20.000
after 1 minutes	127.5	127.499992	-0.000008	-0.06275	+/-20.000
after 2 minutes	127.5	127.499993	-0.000007	-0.05490	+/-20.000
after 5 minutes	127.5	127.499999	-0.000001	-0.00784	+/-20.000

Temperature Variation: 50 deg.C , Voltage: DC 26 V

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (MHz)	Frequency torerance (ppm)	Limit (ppm)
startup	127.5	127.500004	0.000004	0.03137	+/-20.000
after 1 minutes	127.5	127.500004	0.000004	0.03137	+/-20.000
after 2 minutes	127.5	127.500005	0.000005	0.03922	+/-20.000
after 5 minutes	127.5	127.500007	0.000007	0.05490	+/-20.000

Voltage Variation: DC 33 V, Temperature: 20 deg.C

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (MHz)	Frequency torerance (ppm)	Limit (ppm)
startup	127.5	127.499998	-0.000002	-0.01569	+/-20.000
after 1 minutes	127.5	127.499998	-0.000002	-0.01569	+/-20.000
after 2 minutes	127.5	127.499999	-0.000001	-0.00784	+/-20.000
after 5 minutes	127.5	127.499995	-0.000005	-0.03922	+/-20.000

Voltage Variation: DC 10.5 V, Temperature: 20 deg.C

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (MHz)	Frequency torerance (ppm)	Limit (ppm)
startup	127.5	127.499997	-0.000003	-0.02353	+/-20.000
after 1 minutes	127.5	127.499998	-0.000002	-0.01569	+/-20.000
after 2 minutes	127.5	127.499998	-0.000002	-0.01569	+/-20.000
after 5 minutes	127.5	127.499996	-0.000004	-0.03137	+/-20.000

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Data of Frequency Tolerance

UL Japan, Inc.
Shonan EMC Lab. No.5 Shielded room

Company	Edmo Distributors, Inc	Regulation	FCC Part87, Section 87.133(a) / FCC part 2 section 2.1055	
Equipment	VHF AM TRANSCEIVER			
Model	FL-760A	Date	October 13, 2015	October 15, 2015
Serial No.	Sample 1	Temperature	22 deg.C	20 deg.C
Power	DC 26 V	Humidity	45 %RH	50 %RH
Mode	Transmitting 136.975 MHz	ENGINEER	Tomohiro Hara	Hiroyuki Morikawa

Temperature Variation: -30 deg.C , Voltage: DC 26 V

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (MHz)	Frequency torerance (ppm)	Limit (ppm)
startup	136.975	136.974997	-0.000003	-0.02190	+/-20.000
after 1 minutes	136.975	136.974997	-0.000003	-0.02190	+/-20.000
after 2 minutes	136.975	136.975003	0.000003	0.02190	+/-20.000
after 5 minutes	136.975	136.975015	0.000015	0.10951	+/-20.000

Temperature Variation: -20 deg.C , Voltage: DC 26 V

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (MHz)	Frequency torerance (ppm)	Limit (ppm)
startup	136.975	136.975007	0.000007	0.05110	+/-20.000
after 1 minutes	136.975	136.975009	0.000009	0.06571	+/-20.000
after 2 minutes	136.975	136.975019	0.000019	0.13871	+/-20.000
after 5 minutes	136.975	136.975028	0.000028	0.20442	+/-20.000

Temperature Variation: -10 deg.C , Voltage: DC 26 V

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (MHz)	Frequency torerance (ppm)	Limit (ppm)
startup	136.975	136.975022	0.000022	0.16061	+/-20.000
after 1 minutes	136.975	136.975021	0.000021	0.15331	+/-20.000
after 2 minutes	136.975	136.975021	0.000021	0.15331	+/-20.000
after 5 minutes	136.975	136.975021	0.000021	0.15331	+/-20.000

Temperature Variation: 0 deg.C , Voltage: DC 26 V

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (MHz)	Frequency torerance (ppm)	Limit (ppm)
startup	136.975	136.975012	0.000012	0.08761	+/-20.000
after 1 minutes	136.975	136.975013	0.000013	0.09491	+/-20.000
after 2 minutes	136.975	136.975015	0.000015	0.10951	+/-20.000
after 5 minutes	136.975	136.975018	0.000018	0.13141	+/-20.000

Temperature Variation: 10 deg.C , Voltage: DC 26 V

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (MHz)	Frequency torerance (ppm)	Limit (ppm)
startup	136.975	136.975015	0.000015	0.10951	+/-20.000
after 1 minutes	136.975	136.975015	0.000015	0.10951	+/-20.000
after 2 minutes	136.975	136.975016	0.000016	0.11681	+/-20.000
after 5 minutes	136.975	136.975013	0.000013	0.09491	+/-20.000

* EUT cannot transmit at after 10 minutes, since it was overheated.

Data of Frequency Tolerance

Temperature Variation: 20 deg.C , Voltage: DC 26 V

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (MHz)	Frequency torerance (ppm)	Limit (ppm)
startup	136.975	136.974998	-0.000002	-0.01460	+/-20.000
after 1 minutes	136.975	136.974998	-0.000002	-0.01460	+/-20.000
after 2 minutes	136.975	136.974998	-0.000002	-0.01460	+/-20.000
after 5 minutes	136.975	136.974994	-0.000006	-0.04380	+/-20.000

Temperature Variation: 30 deg.C , Voltage: DC 26 V

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (MHz)	Frequency torerance (ppm)	Limit (ppm)
startup	136.975	136.975003	0.000003	0.02190	+/-20.000
after 1 minutes	136.975	136.975002	0.000002	0.01460	+/-20.000
after 2 minutes	136.975	136.975000	0.000000	0.00000	+/-20.000
after 5 minutes	136.975	136.974994	-0.000006	-0.04380	+/-20.000

Temperature Variation: 40 deg.C , Voltage: DC 26 V

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (MHz)	Frequency torerance (ppm)	Limit (ppm)
startup	136.975	136.974992	-0.000008	-0.05840	+/-20.000
after 1 minutes	136.975	136.974992	-0.000008	-0.05840	+/-20.000
after 2 minutes	136.975	136.974995	-0.000005	-0.03650	+/-20.000
after 5 minutes	136.975	136.975005	0.000005	0.03650	+/-20.000

Temperature Variation: 50 deg.C , Voltage: DC 26 V

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (MHz)	Frequency torerance (ppm)	Limit (ppm)
startup	136.975	136.975007	0.000007	0.05110	+/-20.000
after 1 minutes	136.975	136.975006	0.000006	0.04380	+/-20.000
after 2 minutes	136.975	136.975007	0.000007	0.05110	+/-20.000
after 5 minutes	136.975	136.975005	0.000005	0.03650	+/-20.000

Voltage Variation: DC 33 V, Temperature: 20 deg.C

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (MHz)	Frequency torerance (ppm)	Limit (ppm)
startup	136.975	136.974998	-0.000002	-0.01460	+/-20.000
after 1 minutes	136.975	136.974998	-0.000002	-0.01460	+/-20.000
after 2 minutes	136.975	136.974997	-0.000003	-0.02190	+/-20.000
after 5 minutes	136.975	136.974994	-0.000006	-0.04380	+/-20.000

Voltage Variation: DC 10.5 V, Temperature: 20 deg.C

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (MHz)	Frequency torerance (ppm)	Limit (ppm)
startup	136.975	136.975001	0.000001	0.00730	+/-20.000
after 1 minutes	136.975	136.975001	0.000001	0.00730	+/-20.000
after 2 minutes	136.975	136.975000	0.000000	0.00000	+/-20.000
after 5 minutes	136.975	136.974997	-0.000003	-0.02190	+/-20.000

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99 % Occupied Bandwidth

(Peak detector)

UL Japan, Inc. Shonan EMC Lab.
No.5 Shielded room

COMPANY	Edmo Distributors, Inc.
EQUIPMENT	VHF AM TRANSCEIVER
MODEL	FL-760A
Serial No.	Sample 1
POWER	DC 33.0 V
MODE	Transmitting (Modulation ON)

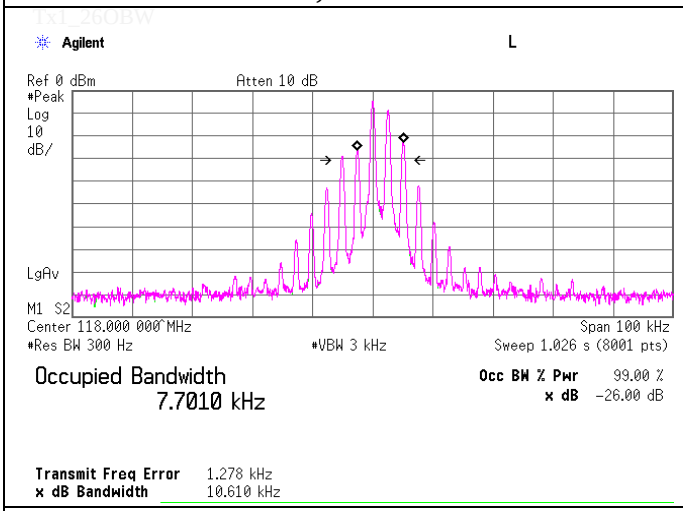
REGULATION	FCC part 87 section 87.135, 87.137 / FCC part 2 section 2.1049
TEST DISTANCE	-
DATE	October 22, 2015
TEMPERATURE	26 deg.C
HUMIDITY	45 %RH
Engineer	Kenichi Adachi

(DC 33.0 V, modulation, Audio 2.5 kHz, +16.41 dBV (Mic in)

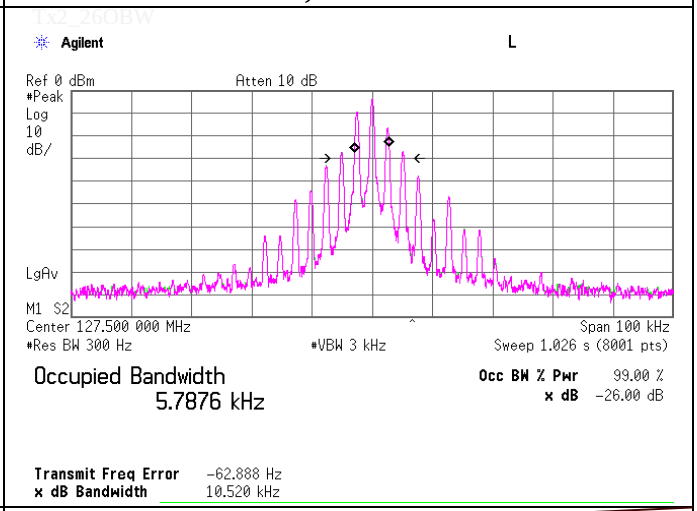
(50 % modulation input level (+0.41 dBV)+16 dB), Volume max)

Freq. [MHz]	99 % Occupied Bandwidth [kHz]
118.0000	7.701
127.5000	5.788
136.9750	7.902

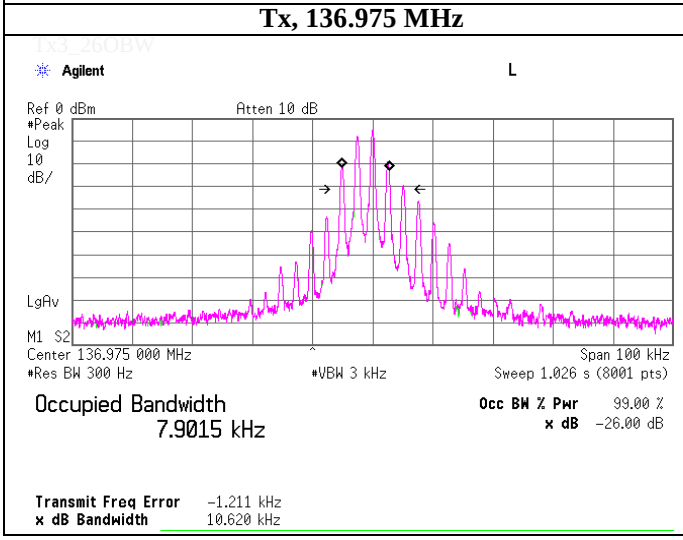
Tx, 118 MHz



Tx, 127.5 MHz



Tx, 136.975 MHz



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99 % Occupied Bandwidth

(Peak detector)

UL Japan, Inc. Shonan EMC Lab.
No.5 Shielded room

COMPANY	Edmo Distributors, Inc.
EQUIPMENT	VHF AM TRANSCEIVER
MODEL	FL-760A
Serial No.	Sample 1
POWER	DC 13.8 V
MODE	Transmitting (Modulation ON)

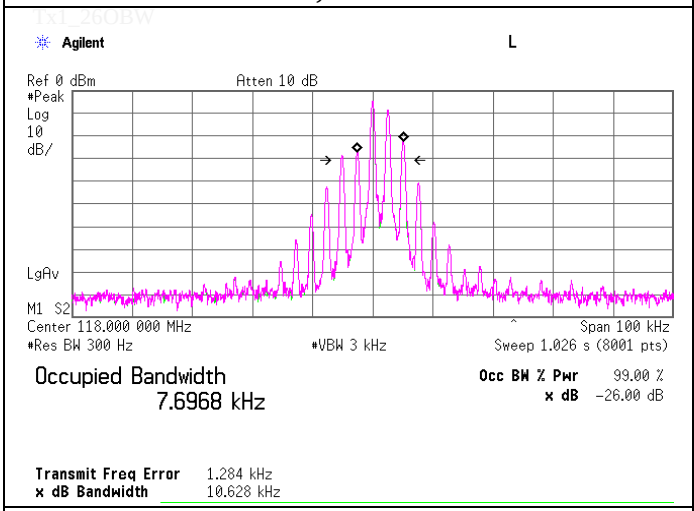
REGULATION	FCC part 87 section 87.135, 87.137 / FCC part 2 section 2.1049
TEST DISTANCE	-
DATE	October 22, 2015
TEMPERATURE	26 deg.C
HUMIDITY	45 %RH
Engineer	Kenichi Adachi

(DC 13.8 V, modulation, Audio 2.5 kHz, +15.80 dBV (Mic in)

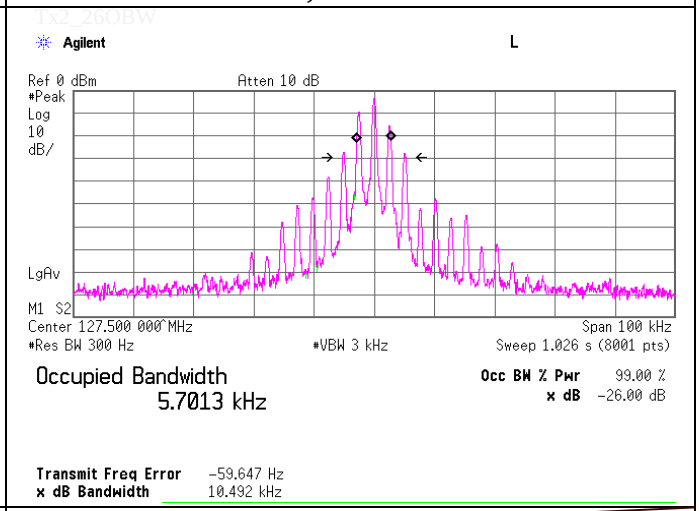
(50 % modulation input level (-0.20 dBV)+16 dB), Volume max)

Freq. [MHz]	99 % Occupied Bandwidth [kHz]
118.0000	7.697
127.5000	5.701
136.9750	7.983

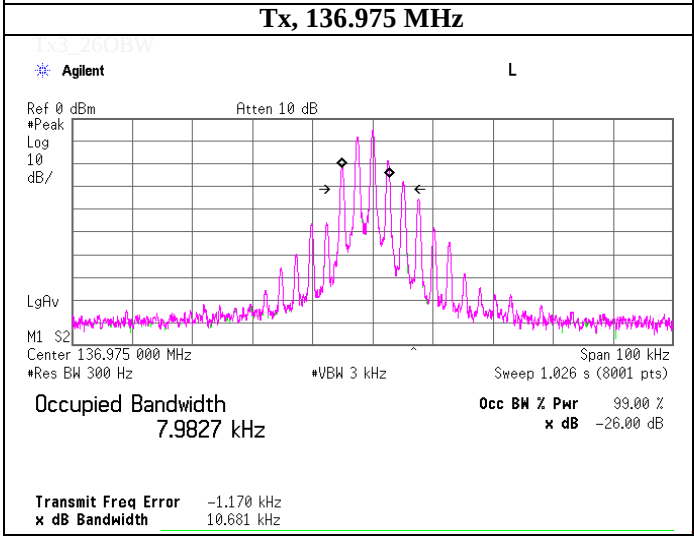
Tx, 118 MHz



Tx, 127.5 MHz



Tx, 136.975 MHz



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99 % Occupied Bandwidth

(Peak detector)

UL Japan, Inc. Shonan EMC Lab.
No.5 Shielded room

COMPANY	Edmo Distributors, Inc.
EQUIPMENT	VHF AM TRANSCEIVER
MODEL	FL-760A
Serial No.	Sample 1
POWER	DC 10.5 V
MODE	Transmitting (Modulation ON)

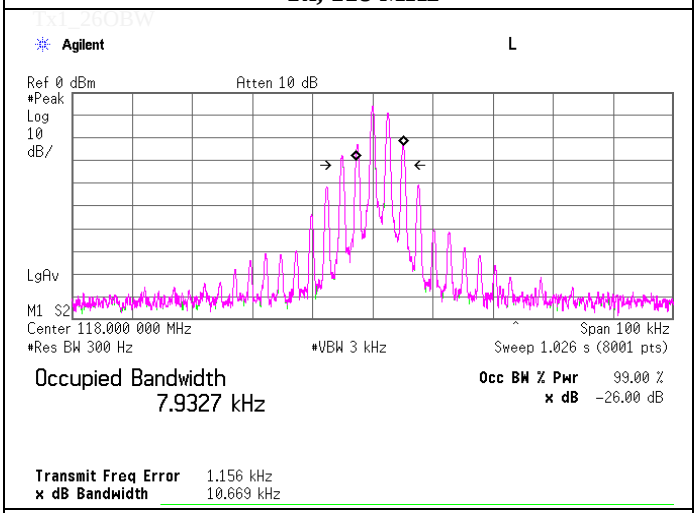
REGULATION	FCC part 87 section 87.135, 87.137 / FCC part 2 section 2.1049
TEST DISTANCE	-
DATE	October 22, 2015
TEMPERATURE	26 deg.C
HUMIDITY	45 %RH
Engineer	Kenichi Adachi

(DC 10.5 V, modulation, Audio 2.5 kHz, +14.45 dBV (Mic in)

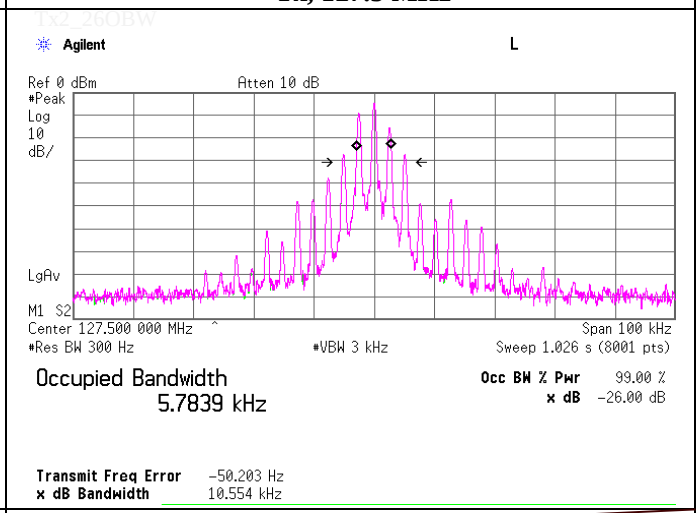
(50 % modulation input level (-1.55 dBV)+16 dB), Volume max)

Freq. [MHz]	99 % Occupied Bandwidth [kHz]
118.0000	7.933
127.5000	5.784
136.9750	8.031

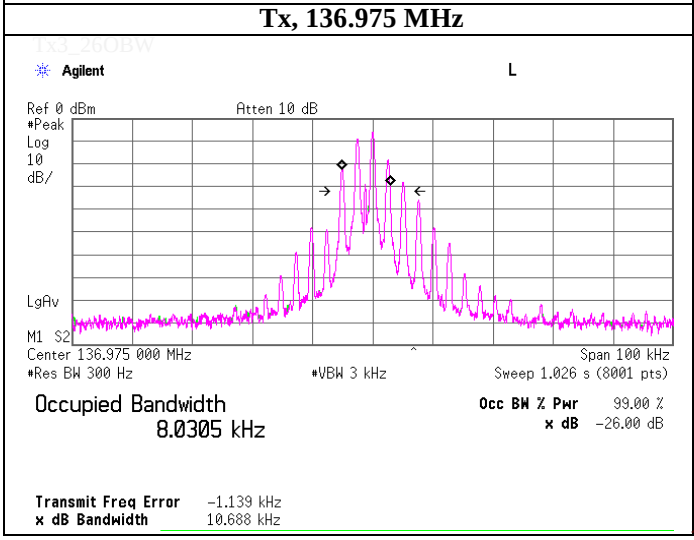
Tx, 118 MHz



Tx, 127.5 MHz



Tx, 136.975 MHz



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(Reference) 99 % Occupied Bandwidth

(Sample detector)

UL Japan, Inc. Shonan EMC Lab.
No.5 Shielded room

COMPANY	Edmo Distributors, Inc.
EQUIPMENT	VHF AM TRANSCEIVER
MODEL	FL-760A
Serial No.	Sample 1
POWER	DC 33.0 V
MODE	Transmitting (Modulation ON)

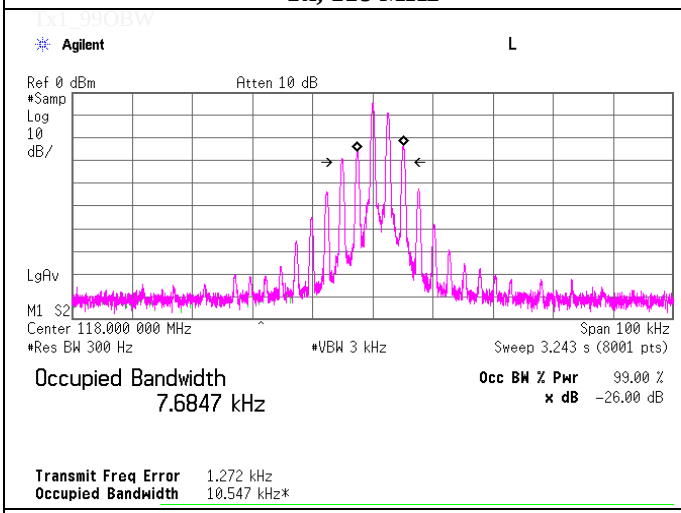
REGULATION	FCC part 87 section 87.135, 87.137 / FCC part 2 section 2.1049
TEST DISTANCE	-
DATE	October 22, 2015
TEMPERATURE	26 deg.C
HUMIDITY	45 %RH
Engineer	Kenichi Adachi

(DC 33.0 V, modulation, Audio 2.5 kHz, +16.41 dBV (Mic in)

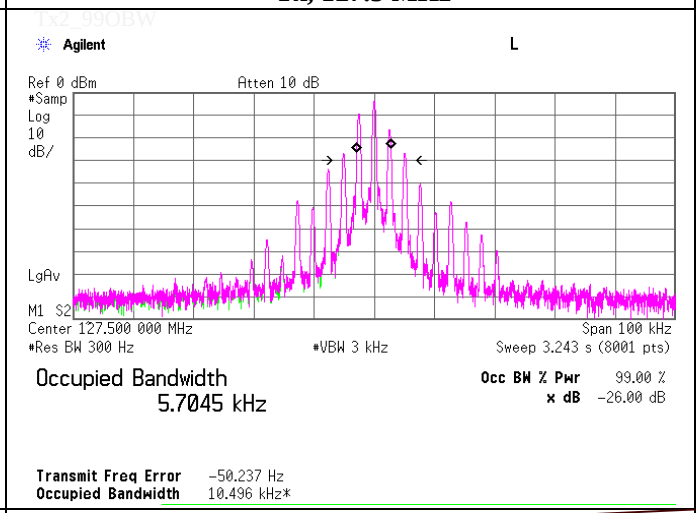
(50 % modulation input level (+0.41 dBV)+16 dB), Volume max)

Freq. [MHz]	99 % Occupied Bandwidth [kHz]
118.0000	7.685
127.5000	5.705
136.9750	7.896

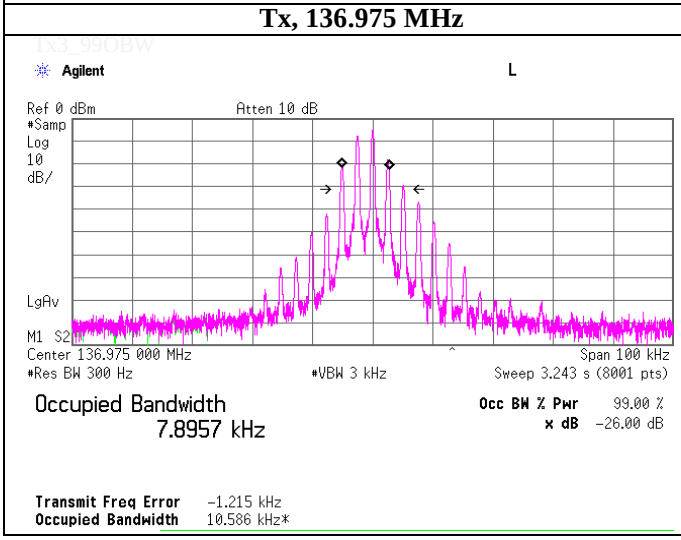
Tx, 118 MHz



Tx, 127.5 MHz



Tx, 136.975 MHz



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(Reference) 99 % Occupied Bandwidth

(Sample detector)

UL Japan, Inc. Shonan EMC Lab.
No.5 Shielded room

COMPANY	Edmo Distributors, Inc.
EQUIPMENT	VHF AM TRANSCEIVER
MODEL	FL-760A
Serial No.	Sample 1
POWER	DC 13.8 V
MODE	Transmitting (Modulation ON)

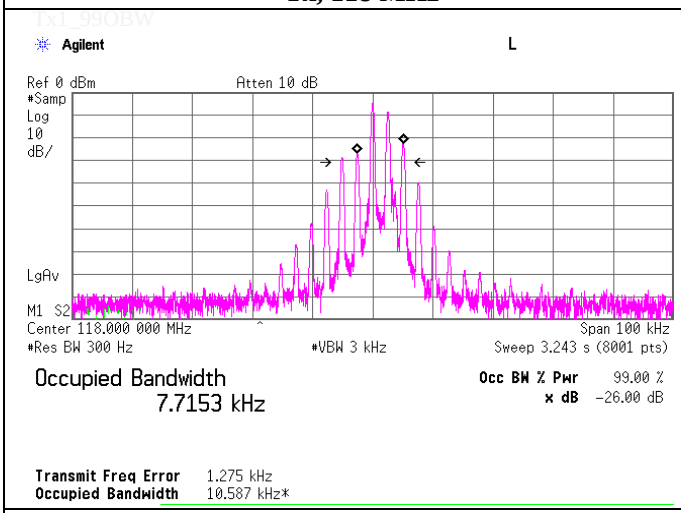
REGULATION	FCC part 87 section 87.135, 87.137 / FCC part 2 section 2.1049
TEST DISTANCE	-
DATE	October 22, 2015
TEMPERATURE	26 deg.C
HUMIDITY	45 %RH
Engineer	Kenichi Adachi

(DC 13.8 V, modulation, Audio 2.5 kHz, +15.80 dBV (Mic in)

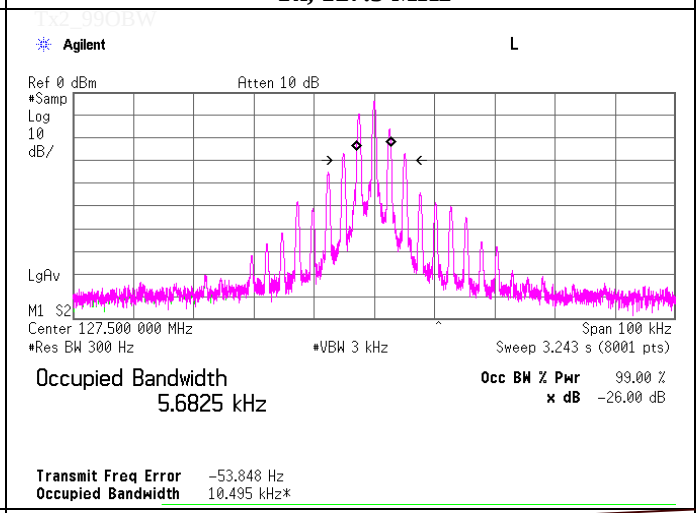
(50 % modulation input level (-0.20 dBV)+16 dB), Volume max)

Freq. [MHz]	99 % Occupied Bandwidth [kHz]
118.0000	7.715
127.5000	5.625
136.9750	7.924

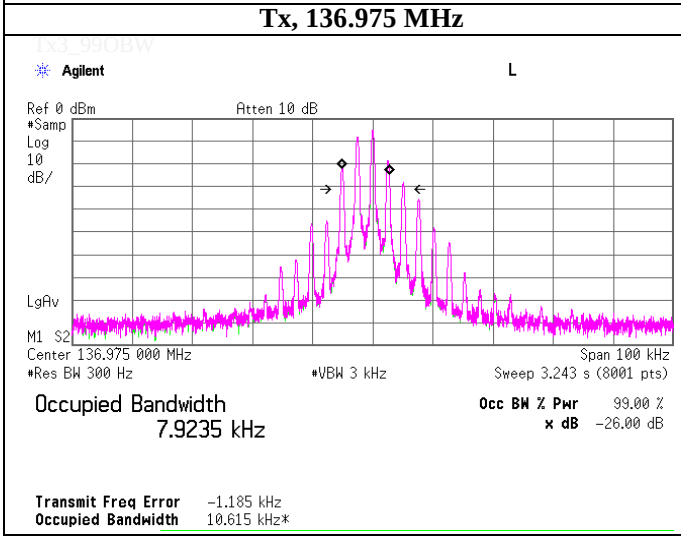
Tx, 118 MHz



Tx, 127.5 MHz



Tx, 136.975 MHz



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(Reference) 99 % Occupied Bandwidth

(Sample detector)

UL Japan, Inc. Shonan EMC Lab.
No.5 Shielded room

COMPANY	Edmo Distributors, Inc.
EQUIPMENT	VHF AM TRANSCEIVER
MODEL	FL-760A
Serial No.	Sample 1
POWER	DC 10.5 V
MODE	Transmitting (Modulation ON)

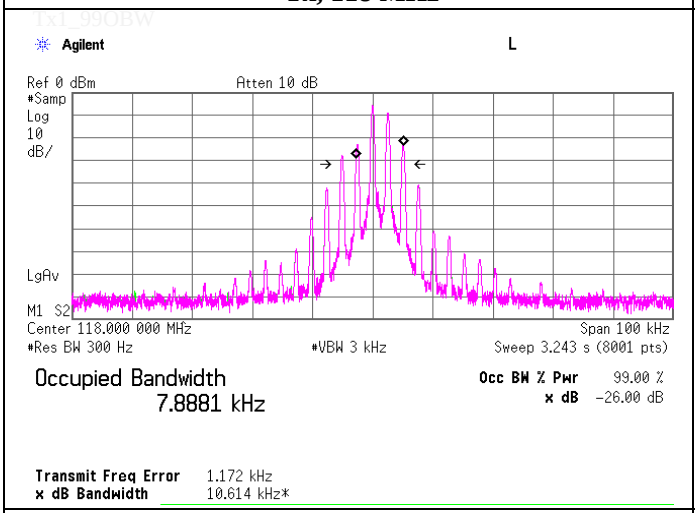
REGULATION	FCC part 87 section 87.135, 87.137 / FCC part 2 section 2.1049
TEST DISTANCE	-
DATE	October 22, 2015
TEMPERATURE	26 deg.C
HUMIDITY	45 %RH
Engineer	Kenichi Adachi

(DC 10.5 V, modulation, Audio 2.5 kHz, +14.45 dBV (Mic in)

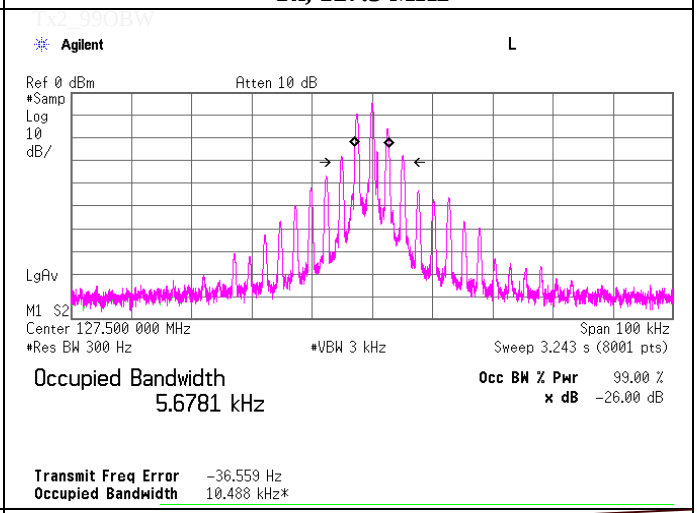
(50 % modulation input level (-1.55 dBV)+16 dB), Volume max)

Freq. [MHz]	99 % Occupied Bandwidth [kHz]
118.0000	7.888
127.5000	5.678
136.9750	8.013

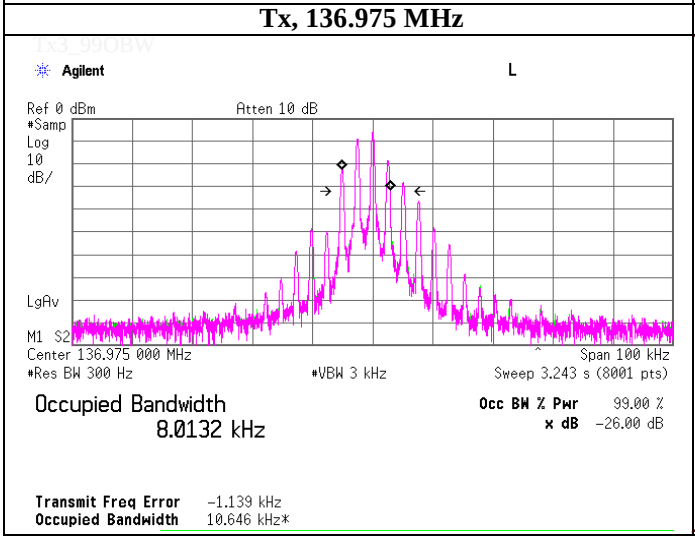
Tx, 118 MHz



Tx, 127.5 MHz



Tx, 136.975 MHz



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Data of Receiver Spurious Emission at Antenna Terminal

UL Japan, Inc. Shonan EMC Lab.
No.5 Shielded room

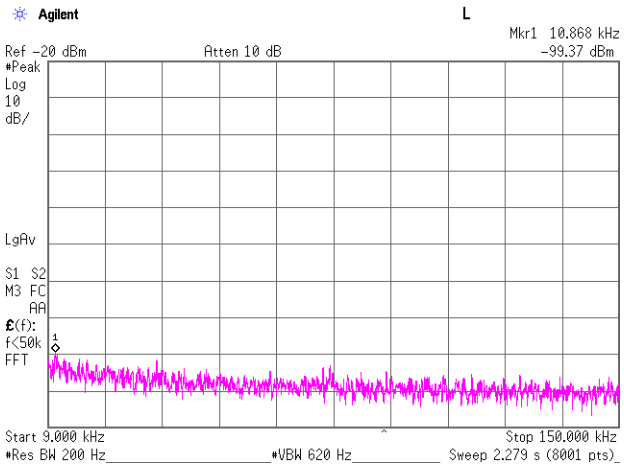
COMPANY	Edmo Distributors, Inc.	REGULATION	FCC part 15 section 15.109
EQUIPMENT	VHF AM TRANSCEIVER	TEST DISTANCE	-
MODEL	FL-760A	DATE	October 22, 2015
Serial No.	Sample 1	TEMPERATURE	26 deg.C
POWER	DC 13.8 V	HUMIDITY	45 %RH
MODE	Receiving 108.000 MHz	Engineer	Kenichi Adachi

(RBW: 100 kHz , VBW: 300 kHz , ATT 10 dB , SWP :auto)

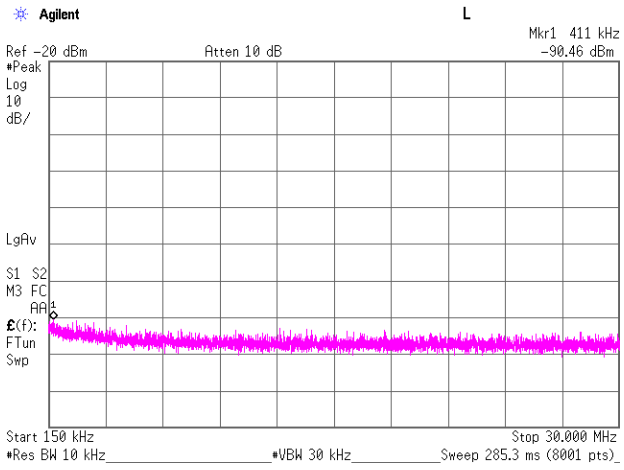
No.	FREQ [MHz]	S/A READING [dBm]	Cable Loss [dB]	RESULT Conducted [dBm]	Limit [dBm]	MARGIN Conducted [dB]
1	158.85	-78.52	0.18	-78.34	-56.99	21.35

CALCULATION RESULT=Reading + Cable Loss
*Except for the above table : All other spurious emissions were less than 20 dB for the limit.

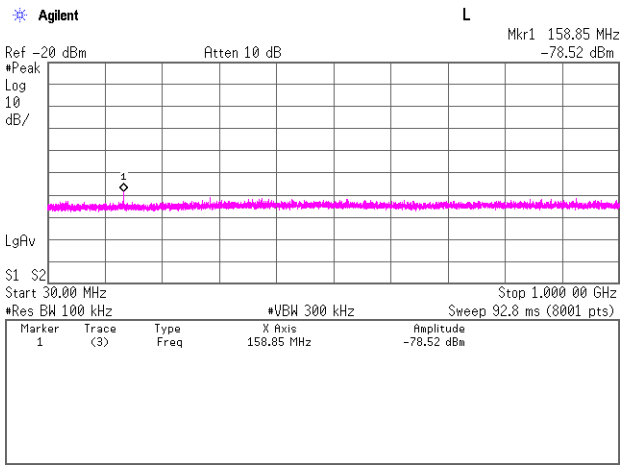
9 kHz - 150 kHz



150 kHz - 30 MHz



30 MHz - 1 GHz



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Data of Receiver Spurious Emission at Antenna Terminal

UL Japan, Inc. Shonan EMC Lab.
No.5 Shielded room

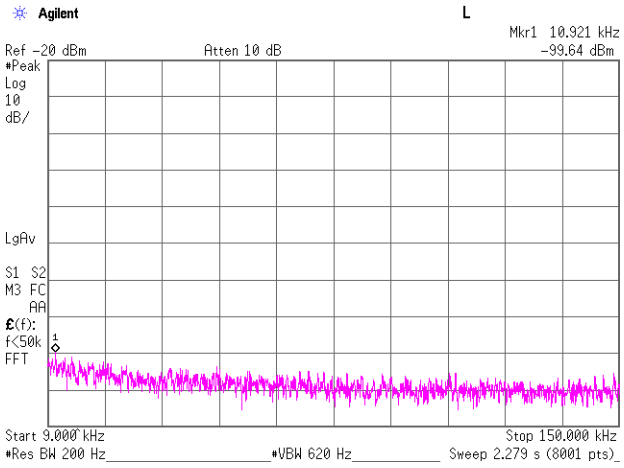
COMPANY	Edmo Distributors, Inc.	REGULATION	FCC part 15 section 15.109
EQUIPMENT	VHF AM TRANSCEIVER	TEST DISTANCE	-
MODEL	FL-760A	DATE	October 22, 2015
Serial No.	Sample 1	TEMPERATURE	26 deg.C
POWER	DC 13.8 V	HUMIDITY	45 %RH
MODE	Receiving 122.500 MHz	Engineer	Kenichi Adachi

(RBW: 100 kHz , VBW: 300 kHz , ATT 10 dB , SWP :auto)

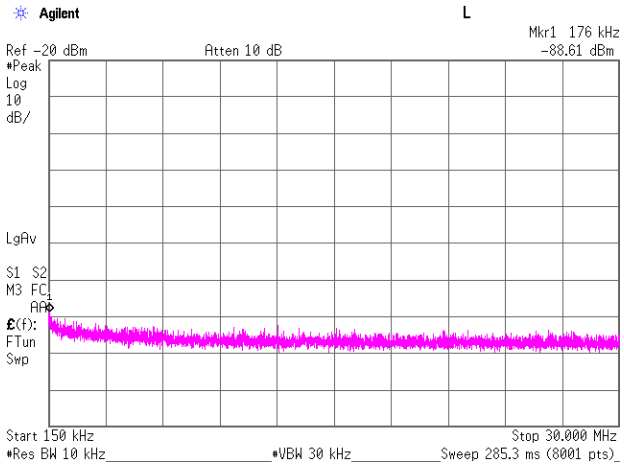
No.	FREQ [MHz]	S/A READING [dBm]	Cable Loss [dB]	RESULT Conducted [dBm]	Limit [dBm]	MARGIN Conducted [dB]
1	173.35	-81.80	0.19	-81.61	-56.99	24.62

CALCULATION RESULT=Reading + Cable Loss
*Except for the above table : All other spurious emissions were less than 20 dB for the limit.

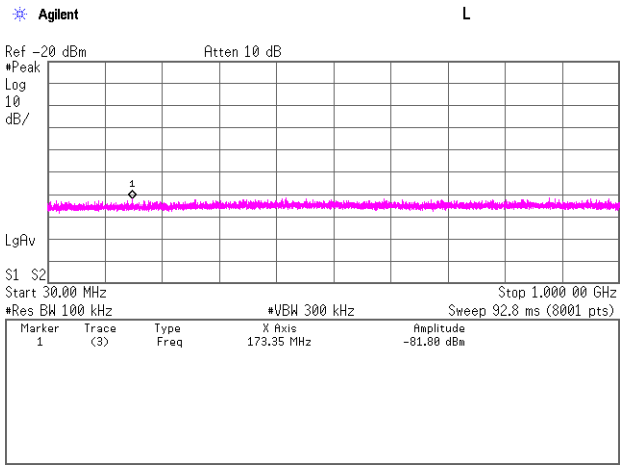
9 kHz - 150 kHz



150 kHz - 30 MHz



30 MHz - 1 GHz



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Data of Receiver Spurious Emission at Antenna Terminal

UL Japan, Inc. Shonan EMC Lab.
No.5 Shielded room

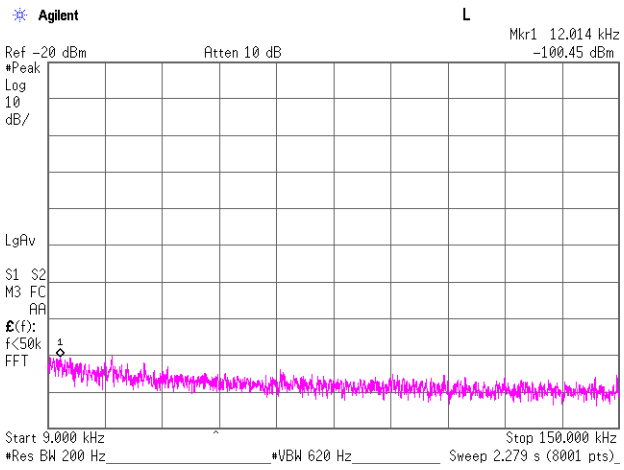
COMPANY	Edmo Distributors, Inc.	REGULATION	FCC part 15 section 15.109
EQUIPMENT	VHF AM TRANSCEIVER	TEST DISTANCE	-
MODEL	FL-760A	DATE	October 22, 2015
Serial No.	Sample 1	TEMPERATURE	26 deg.C
POWER	DC 13.8 V	HUMIDITY	45 %RH
MODE	Receiving 136.975 MHz	Engineer	Kenichi Adachi

(RBW: 100 kHz , VBW: 300 kHz , ATT 10 dB , SWP :auto)

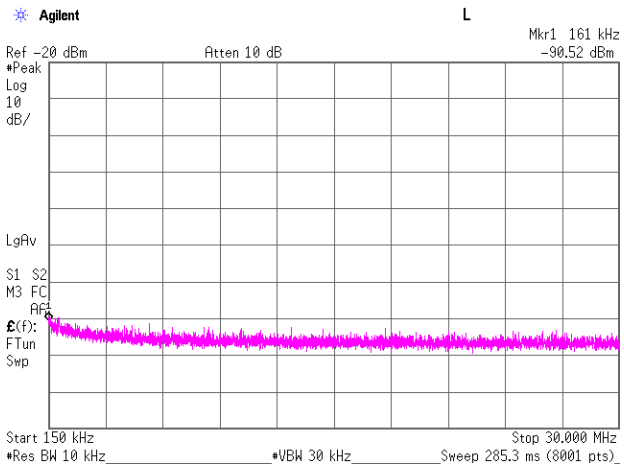
No.	FREQ [MHz]	S/A READING [dBm]	Cable Loss [dB]	RESULT Conducted [dBm]	Limit [dBm]	MARGIN Conducted [dB]
1	187.83	-83.76	0.20	-83.56	-56.99	26.58

CALCULATION RESULT=Reading + Cable Loss
*Except for the above table : All other spurious emissions were less than 20 dB for the limit.

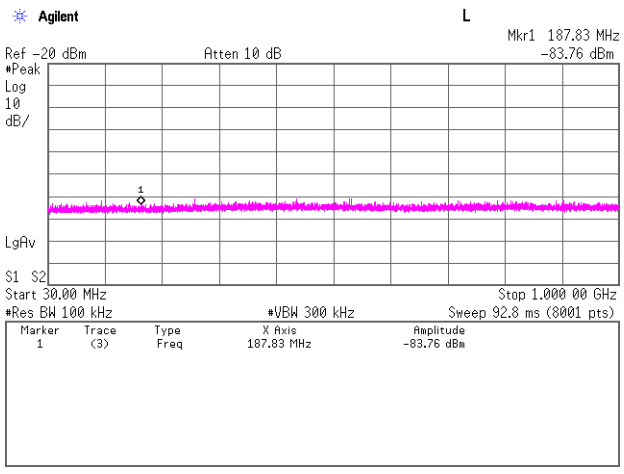
9 kHz - 150 kHz



150 kHz - 30 MHz



30 MHz - 1 GHz



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DATA OF RADIATED EMISSION TEST

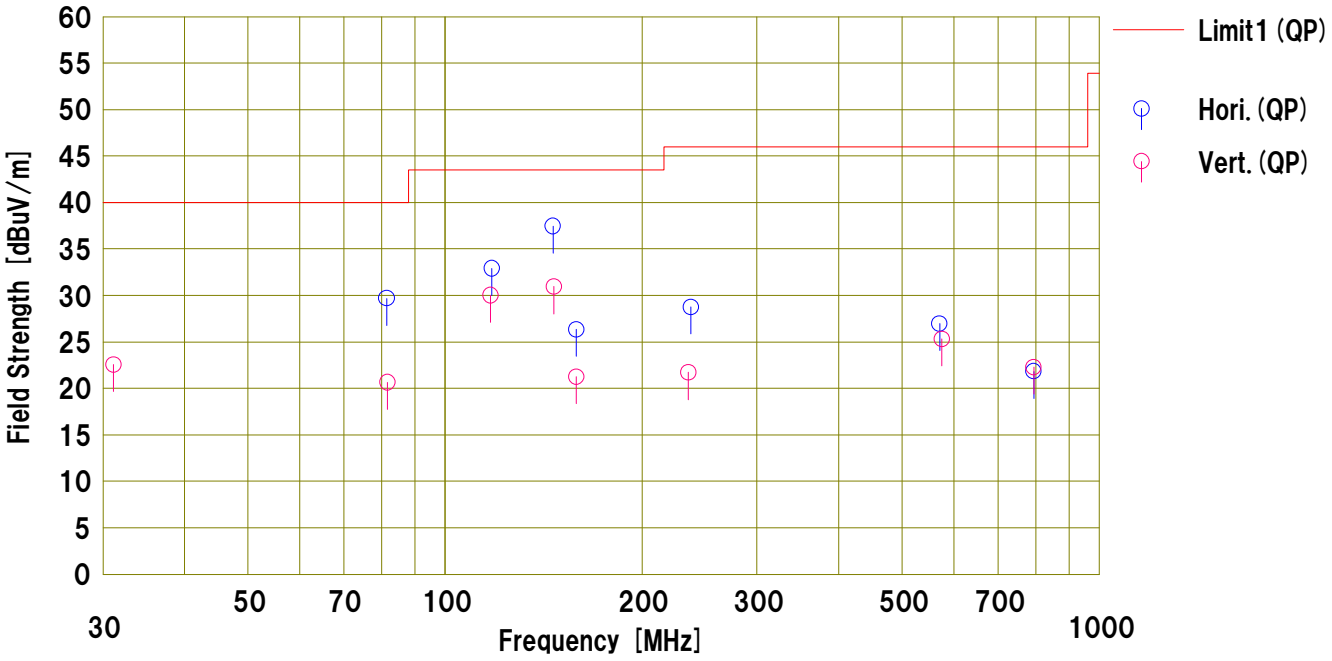
UL Japan,Inc. Shonan EMC Lab. No.2 Semi-Anechoic Chamber
Date : 2015/09/25

Company : Edmo Distributors, Inc.
Kind of EUT : VHF AM TRANSCEIVER
Model No. : FL-760A
Serial No. : Sample 1
Remarks :

Mode : Receiving,108.000 MHz
Order No. : 10908283S
Power : DC 13.8 V
Temp./Humi. : 23 deg.C / 64 %RH

Limit1 : FCC15.109(a) 3m, below 1GHz:QP, above 1GHz:AV

Engineer : Kenichi Adachi



No.	Freq. [MHz]	Reading <QP> [dBuV]	Ant.Fac [dB/m]	Loss [dB]	Gain [dB]	Result <QP> [dBuV/m]	Limit <QP> [dBuV/m]	Margin <QP> [dB]	Pola. [H/V]	Height [cm]	Angle [deg]	Ant. Type	Comment
1	81.544	47.30	6.57	7.68	31.86	29.69	40.00	10.3	Hori.	218	202	BC	
2	117.915	44.04	12.61	8.11	31.84	32.92	43.50	10.5	Hori.	271	251	BC	
3	146.341	46.26	14.60	8.41	31.81	37.46	43.50	6.0	Hori.	224	258	BC	
4	158.850	34.41	15.20	8.53	31.80	26.34	43.50	17.1	Hori.	213	78	BC	
5	237.697	34.42	16.80	9.24	31.71	28.75	46.00	17.2	Hori.	139	241	BC	
6	570.141	31.84	18.55	8.19	31.61	26.97	46.00	19.0	Hori.	154	349	LP	
7	794.250	23.23	20.63	9.24	31.25	21.85	46.00	24.1	Hori.	152	273	LP	
8	31.175	30.51	17.01	6.93	31.90	22.55	40.00	17.4	Vert.	100	187	BC	
9	81.691	38.23	6.60	7.68	31.86	20.65	40.00	19.3	Vert.	100	305	BC	
10	117.434	41.22	12.54	8.10	31.84	30.02	43.50	13.4	Vert.	206	163	BC	
11	146.741	39.72	14.62	8.42	31.81	30.95	43.50	12.5	Vert.	100	46	BC	
12	158.850	29.32	15.20	8.53	31.80	21.25	43.50	22.2	Vert.	100	39	BC	
13	235.633	27.44	16.78	9.22	31.72	21.72	46.00	24.2	Vert.	129	119	BC	
14	574.948	30.11	18.62	8.21	31.61	25.33	46.00	20.6	Vert.	100	309	LP	
15	794.250	23.66	20.63	9.24	31.25	22.28	46.00	23.7	Vert.	162	229	LP	

Calculation:Result [dBuV/m] =Reading [dBuV] +Ant.Fac [dB/m] +Loss (Cable+ATT) [dB] -Gain (AMP) [dB]
Ant.Type=BC:Biconical Antenna, LP:Logperiodic Antenna, SHA**:Horn Antenna

DATA OF RADIATED EMISSION TEST

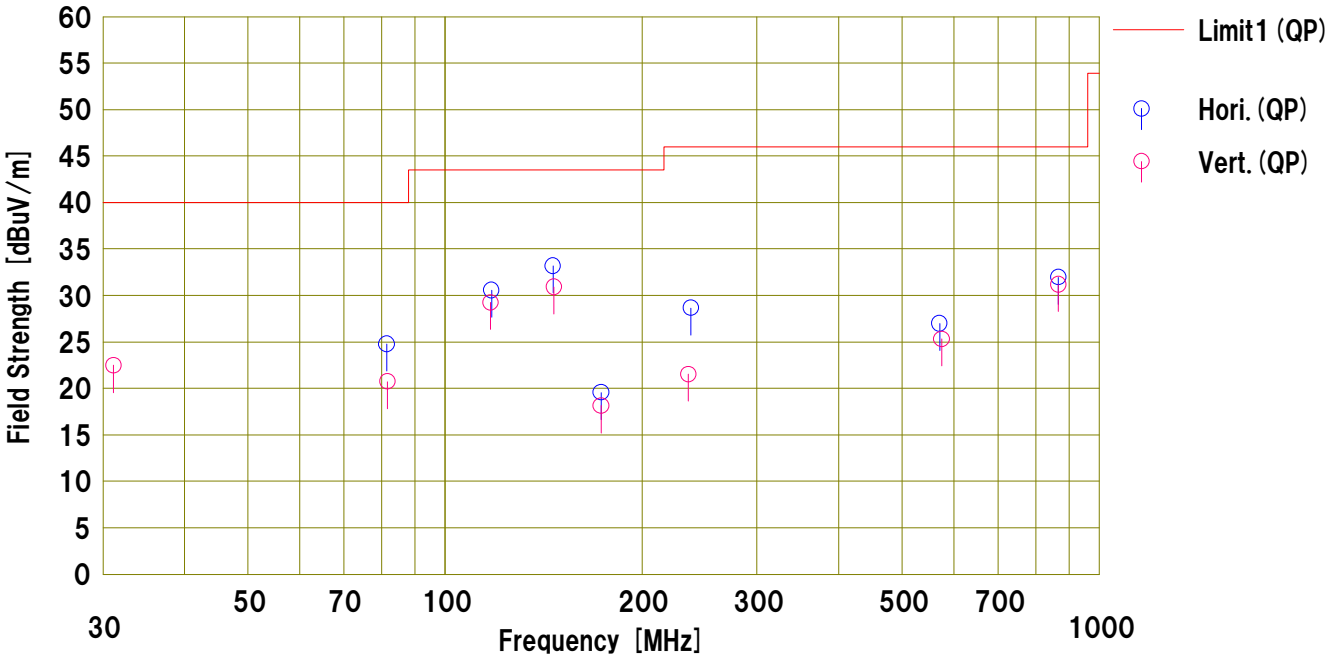
UL Japan,Inc. Shonan EMC Lab. No.2 Semi-Anechoic Chamber
Date : 2015/09/25

Company : Edmo Distributors, Inc.
Kind of EUT : VHF AM TRANSCEIVER
Model No. : FL-760A
Serial No. : Sample 1
Remarks :

Mode : Receiving,122.500 MHz
Order No. : 10908283S
Power : DC 13.8 V
Temp./Humi. : 23 deg.C / 64 %RH

Limit1 : FCC15.109(a) 3m, below 1GHz:QP, above 1GHz:AV

Engineer : Kenichi Adachi



No.	Freq. [MHz]	Reading <QP> [dBuV]	Ant.Fac [dB/m]	Loss [dB]	Gain [dB]	Result <QP> [dBuV/m]	Limit <QP> [dBuV/m]	Margin <QP> [dB]	Pola. [H/V]	Height [cm]	Angle [deg]	Ant. Type	Comment
1	81.528	42.38	6.57	7.68	31.86	24.77	40.00	15.2	Hori.	213	203	BC	
2	117.897	41.68	12.61	8.11	31.84	30.56	43.50	12.9	Hori.	268	250	BC	
3	146.345	41.98	14.60	8.41	31.81	33.18	43.50	10.3	Hori.	221	255	BC	
4	173.350	26.96	15.73	8.67	31.79	19.57	43.50	23.9	Hori.	210	76	BC	
5	237.694	34.34	16.80	9.24	31.71	28.67	46.00	17.3	Hori.	142	244	BC	
6	570.144	31.86	18.55	8.19	31.61	26.99	46.00	19.0	Hori.	152	351	LP	
7	866.750	31.43	21.89	9.59	30.95	31.96	46.00	14.0	Hori.	155	268	LP	
8	31.172	30.43	17.01	6.93	31.90	22.47	40.00	17.5	Vert.	100	188	BC	
9	81.684	38.33	6.59	7.68	31.86	20.74	40.00	19.2	Vert.	100	301	BC	
10	117.446	40.44	12.54	8.10	31.84	29.24	43.50	14.2	Vert.	202	165	BC	
11	146.743	39.68	14.62	8.42	31.81	30.91	43.50	12.5	Vert.	100	44	BC	
12	173.350	25.52	15.73	8.67	31.79	18.13	43.50	25.3	Vert.	100	37	BC	
13	235.624	27.24	16.78	9.22	31.72	21.52	46.00	24.4	Vert.	132	117	BC	
14	574.849	30.09	18.62	8.21	31.61	25.31	46.00	20.6	Vert.	100	311	LP	
15	866.750	30.65	21.89	9.59	30.95	31.18	46.00	14.8	Vert.	163	233	LP	

Calculation:Result [dBuV/m] =Reading [dBuV] +Ant.Fac [dB/m] +Loss (Cable+ATT) [dB] -Gain (AMP) [dB]
Ant.Type=BC:Biconical Antenna, LP:Logperiodic Antenna, SHA**:Horn Antenna

DATA OF RADIATED EMISSION TEST

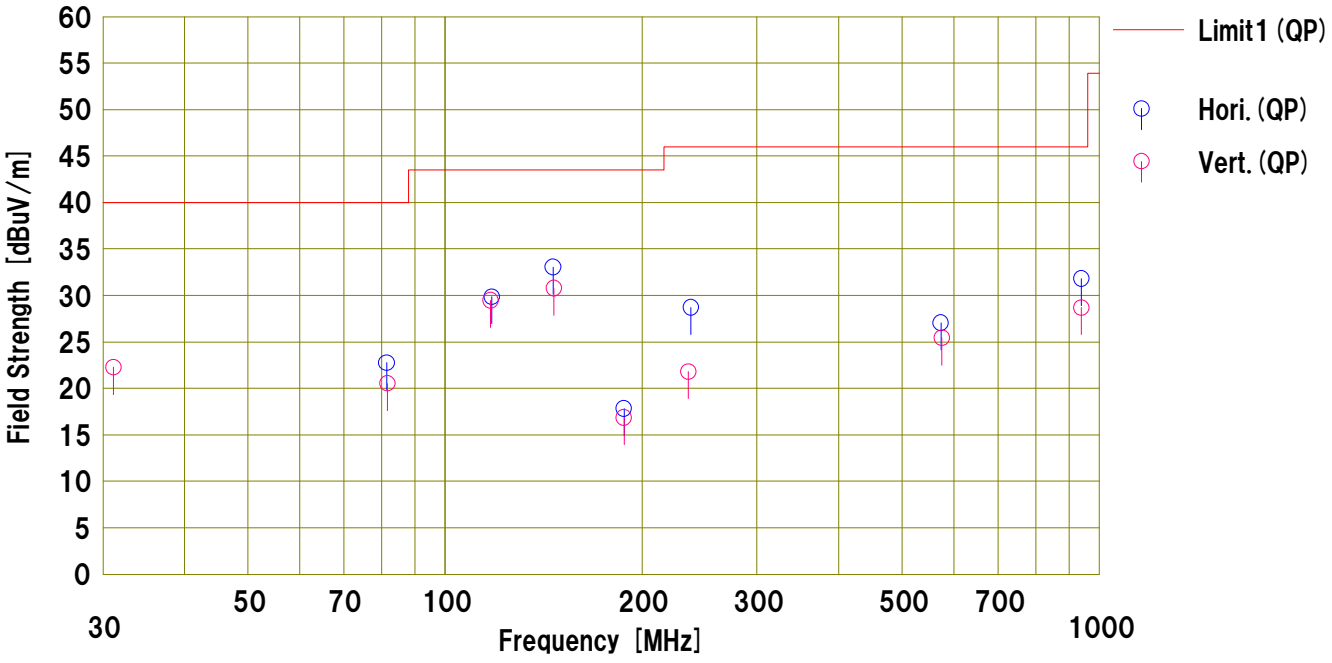
UL Japan,Inc. Shonan EMC Lab. No.2 Semi-Anechoic Chamber
Date : 2015/09/25

Company : Edmo Distributors, Inc.
Kind of EUT : VHF AM TRANSCEIVER
Model No. : FL-760A
Serial No. : Sample 1
Remarks :

Mode : Receiving,136.975 MHz
Order No. : 10908283S
Power : DC 13.8 V
Temp./Humi. : 23 deg.C / 64 %RH

Limit1 : FCC15.109(a) 3m, below 1GHz:QP, above 1GHz:AV

Engineer : Kenichi Adachi



No.	Freq.	Reading <QP>	Ant.Fac	Loss	Gain	Result <QP>	Limit <QP>	Margin <QP>	Pola.	Height	Angle	Ant. Type	Comment
	[MHz]	[dBuV]	[dB/m]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[H/V]	[cm]	[deg]		
1	81.548	40.35	6.57	7.68	31.86	22.74	40.00	17.2	Hori.	222	208	BC	
2	117.922	40.97	12.61	8.11	31.84	29.85	43.50	13.6	Hori.	273	252	BC	
3	146.364	41.84	14.61	8.41	31.81	33.05	43.50	10.4	Hori.	221	261	BC	
4	187.825	24.65	16.13	8.81	31.77	17.82	43.50	25.6	Hori.	212	82	BC	
5	237.688	34.38	16.80	9.24	31.71	28.71	46.00	17.2	Hori.	143	242	BC	
6	573.132	31.86	18.59	8.20	31.61	27.04	46.00	18.9	Hori.	156	352	LP	
7	939.125	29.88	22.56	9.91	30.53	31.82	46.00	14.1	Hori.	154	271	LP	
8	31.168	30.23	17.01	6.93	31.90	22.27	40.00	17.7	Vert.	100	191	BC	
9	81.699	38.11	6.60	7.68	31.86	20.53	40.00	19.4	Vert.	100	2	BC	
10	117.464	40.66	12.54	8.11	31.84	29.47	43.50	14.0	Vert.	100	303	BC	
11	146.733	39.55	14.62	8.42	31.81	30.78	43.50	12.7	Vert.	204	162	BC	
12	187.825	23.68	16.13	8.81	31.77	16.85	43.50	26.6	Vert.	100	45	BC	
13	235.652	27.52	16.78	9.22	31.72	21.80	46.00	24.2	Vert.	122	120	BC	
14	574.922	30.21	18.62	8.21	31.61	25.43	46.00	20.5	Vert.	100	312	LP	
15	939.125	26.74	22.56	9.91	30.53	28.68	46.00	17.3	Vert.	160	234	LP	

Calculation:Result [dBuV/m] =Reading [dBuV] +Ant.Fac [dB/m] +Loss (Cable+ATT) [dB] -Gain (AMP) [dB]
Ant.Type=BC:Biconical Antenna, LP:Logperiodic Antenna, SHA**:Horn Antenna

Test Report No :

APPENDIX 2
Test Instruments

EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Serial No	Test Item	Calibration Date * Interval(month)
SAF-02	Pre Amplifier	SONOMA	310N	290212	RE	2015/02/18 * 12
SAT6-02	Attenuator	JFW	50HF-006N	-	RE	2015/02/18 * 12
KAT3-11	Attenuator	JFW IND. INC.	50HF-003N	-	RE	2015/08/31 * 12
SBA-02	Biconical Antenna	Schwarzbeck	BBA9106	91032665	RE	2014/11/22 * 12
SCC-B1/B3/B5/B7/B8/B13/SRSE-02	Coaxial Cable&RF Selector	Fujikura/Fujikura/Suhner/Suhner/Suhner/TOYO	8D2W/12DSFA/141PE/141PE/141PE/141PE/NS4906	-/0901-270(RF Selector)	RE	2015/04/17 * 12
SCC-B2/B4/B6/B7/B8/B13/SRSE-02	Coaxial Cable&RF Selector	Fujikura/Fujikura/Suhner/Suhner/Suhner/TOYO	8D2W/12DSFA/141PE/141PE/141PE/141PE/NS4906	-/0901-270(RF Selector)	RE	2015/04/17 * 12
SLA-02	Logperiodic Antenna	Schwarzbeck	UHALP9108A	UHALP 9108-A 0893	RE	2014/11/22 * 12
SOS-03	Humidity Indicator	A&D	AD-5681	4063325	RE	2014/10/30 * 12
STR-07	Test Receiver	Rohde & Schwarz	ESU26	100484	RE	2015/09/04 * 12
SJM-14	Measure	ASKUL	-	-	RE	-
SAEC-02(NSA)	Semi-Anechoic Chamber	TDK	SAEC-02(NSA)	2	RE	2015/07/15 * 12
COTS-SEMI-1	EMI Software	TSJ	TEPTO-DV(RE,CE,RFI,MF)	-	RE	-
SAA-01	Audio Analyzer	Rohde & Schwarz	UPV	101292	RE	2014/10/17 * 12
SAT40-01	Attenuator	AEROFLEX	57-40-34	PN282	RE, AT	2015/10/15 * 12
STM-15	Terminator	TME	CT-01 BP	-	RE	2014/12/19 * 12
SSG-02	Signal Generator	Agilent	E8257D-540	MY48051404	RE	2015/03/02 * 12
SCC-07	Coaxial Cable	Fujikura	5D2W	-	RE	2015/09/18 * 12
SDA-07	Dipole Antenna	Schwarzbeck	VHAP	1177	RE	2015/03/11 * 12
SDA-08	Dipole Antenna	Schwarzbeck	UHAP	1158	RE	2015/03/11 * 12
SAEC-03(NSA)	Semi-Anechoic Chamber	TDK	SAEC-03(NSA)	3	RE	2015/07/16 * 12
SAF-06	Pre Amplifier	TOYO Corporation	TPA0118-36	1440491	RE	2015/05/27 * 12
SCC-G04	Coaxial Cable	Junkosha	J12J102207-00	JUN-12-14-018	RE	2015/06/08 * 12
SCC-G23	Coaxial Cable	Suhner	SUCOFLEX 104	297342/4	RE	2015/05/19 * 12
SHA-03	Horn Antenna	Schwarzbeck	BBHA9120D	9120D-739	RE	2015/08/11 * 12
SOS-05	Humidity Indicator	A&D	AD-5681	4062518	RE	2014/10/30 * 12
SSA-01	Spectrum Analyzer	Agilent	N9010A-526	MY48031482	RE	2015/04/10 * 12
SJM-15	Measure	ASKUL	-	-	RE	-
SAT10-05	Attenuator(above1GHz)	Agilent	8493C-010	74864	RE	2014/11/21 * 12
SHA-RS01	Horn Antenna	Schwarzbeck	BBHA9120D	770	RE	2015/08/11 * 12
SCC-G16	Coaxial Cable	Suhner	SUCOFLEX 102	32704/2	RE	2015/03/11 * 12
SOS-09	Humidity Indicator	A&D	AD-5681	4061484	AT	2014/12/24 * 12
SCC-G12	Coaxial Cable	Suhner	SUCOFLEX 102	30790/2	AT	2015/03/11 * 12
SFC-01	Microwave Counter	Agilent	53151A	US40511493	AT	2015/04/24 * 12
KATT-09	Attenuator	Weinschel	53-40-33	MW702	AT	2015/02/12 * 12
SCH-01	Temperature and Humidity Chamber	Espec	PL-1KT	14020837	AT	2015/04/22 * 12

The expiration date of the calibration is the end of the expired month .
As for some calibrations performed after the tested dates , those test equipment have been controlled by means of an unbroken chains of calibrations .

All equipment is calibrated with valid calibrations . Each measurement data is traceable to the national or international standards .
Test Item :
RE: Radiated emission , AT: Antenna terminal conducted tests

Test Report No :

APPENDIX 2
Test Instruments

EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Serial No	Test Item	Calibration Date * Interval(month)
SOSC-01	Oscilloscope	Tektronix	TDS-2022B	C057519	AT	2015/05/26 * 12
SCC-G33	Coaxial Cable	Junkosha	MWX241-01000KM SKMS	-	AT	2015/04/09 * 12
SCC-G11	Coaxial Cable	Suhner	SUCOFLEX 102	31595/2	AT	2015/03/11 * 12
KFG-02	Programmable Function Generator	Thurlby Thandar	TG1304	156125	AT	Pre Check
KTS-07	Digital Tester	SANWA	PC500	7019232	AT	2015/05/20 * 12
SPM-07	Power Meter	Agilent	8990B	MY5100272	AT	2015/04/02 * 12
SPSS-04	Power sensor	Agilent	N1923A	MY5326009	AT	2015/04/02 * 12
SRENT-04	Spectrum Analyzer	KEYSIGHT	E4440A	MY46186388	AT	2015/10/06 * 12

The expiration date of the calibration is the end of the expired month .
As for some calibrations performed after the tested dates , those test equipment have been controlled by means of an unbroken chains of calibrations .
All equipment is calibrated with valid calibrations . Each measurement data is traceable to the national or international standards .
Test Item :
RE: Radiated emission ,
AT: Antenna terminal conducted tests