

APPENDIX 2: Data of EMI test

RF Output Power (Conducted)

Company	Edmo Distributors, Inc.	UL Japan, Inc
Equipment	VHF AM TRANSCEIVER	Head Office EMC Lab. No.2 Measuring room
Model	FL-M1000A	Regulation FCC part 87, Section 87.131 / Part 2, Section 2.1046
S/N	01	TIA/EIA-603-C Section 2.2.1
Power	DC 13.8V / DC 31.0V	Test Distance -
Mode	Transmitting (unmodulation)	Date February 19, 2009
		Temperature 17 deg.C.
		Humidity 30 %
		Engineer Hironobu Ohnishi

(Power: DC 13.8V)

Ch	Frequency [MHz]	P/M Reading (AV) [dBm]	Cable Loss [dB]	ATT Loss [dB]	Result [dBm]	Result [W]	Limit (10W) [dBm]	Margin [dB]
L	118.000	-0.21	0.00	39.94	39.73	9.40	40.00	0.27
M	127.500	-1.16	0.00	39.94	38.78	7.55	40.00	1.22
H	136.975	-0.64	0.00	39.94	39.30	8.51	40.00	0.70

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

(Power: DC 31.0V)

Ch	Frequency [MHz]	P/M Reading (AV) [dBm]	Cable Loss [dB]	ATT Loss [dB]	Result [dBm]	Result [W]	Limit (10W) [dBm]	Margin [dB]
L	118.000	-0.19	0.00	39.94	39.75	9.44	40.00	0.25
M	127.500	-1.14	0.00	39.94	38.80	7.59	40.00	1.20
H	136.975	-0.63	0.00	39.94	39.31	8.53	40.00	0.69

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

UL Japan, Inc.

Head Office EMC Lab.

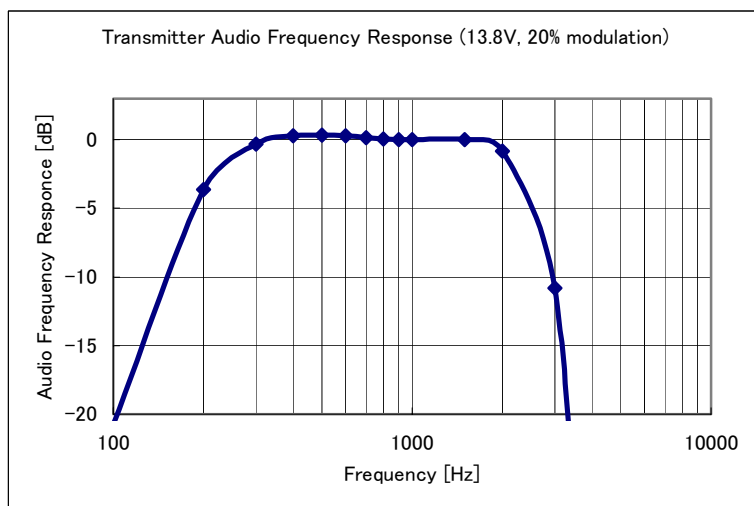
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Audio Frequency Response (Conducted)

	UL Japan, Inc	
Company	Edmo Distributors, Inc.	Head Office EMC Lab. No.2 Measuring room
Equipment	VHF AM TRANSCEIVER	Regulation
Model	FL-M1000A	FCC Part 2, Section 2.1047(a)
S/N	01	TIA/EIA-603-C Section 2.2.6
Power	DC 13.8V	Test Distance
Mode	Transmitting (Modulation ON 20%)	Date
	(Input Audio signal: -44.3dBV, 1kHz)	February 19, 2009
	127.5MHz	Temperature
		17 deg.C.
		Humidity
		30 %
		Engineer
		Hironobu Ohnishi



20% Mod. 13.8V Input: -44.3dBV

Freq. [Hz]	Receiver Audio output [mV]	Audio Response [dB]	Receiver demodulator output Response [dB]	(Normalized) Audio Response [dB]
100	8	-42.37	-21.63	-20.74
200	183	-15.18	-11.57	-3.62
300	439	-7.58	-7.28	-0.30
400	616	-4.64	-4.92	0.28
500	750	-2.93	-3.27	0.34
600	844	-1.91	-2.18	0.27
700	913	-1.22	-1.39	0.17
800	966	-0.73	-0.80	0.07
900	1011	-0.34	-0.35	0.01
1000	1051	0.00	0.00	0.00
1500	1164	0.89	0.88	0.00
2000	1086	0.28	1.13	-0.85
3000	339	-9.83	0.96	-10.79
4000	9	-41.35	0.47	-41.82
5000	7	-43.53	-0.30	-43.23
6000	7	-43.53	-1.11	-42.42
7000	7	-43.53	-2.04	-41.49
8000	7	-43.53	-3.11	-40.42
9000	7	-43.53	-4.39	-39.14
10000	7	-43.53	-5.72	-37.81

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Head Office EMC Lab.

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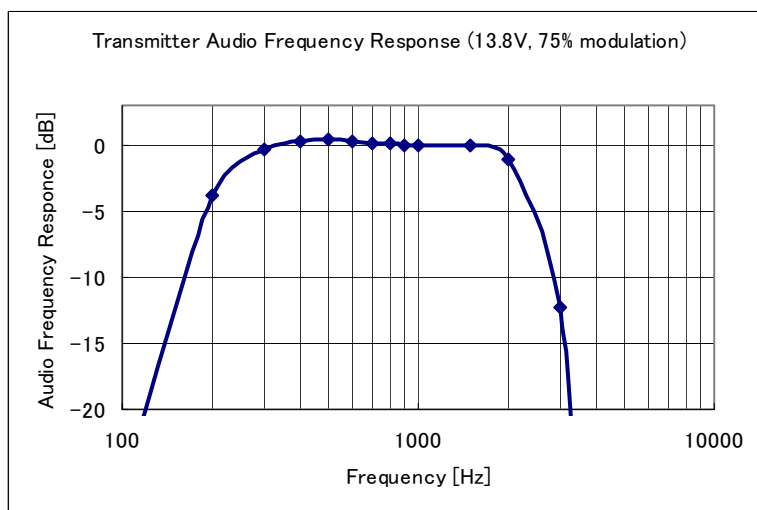
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Audio Frequency Response (Conducted)

(Reference data)

	UL Japan, Inc	Head Office EMC Lab. No.2 Measuring room
Company	Edmo Distributors, Inc.	Regulation
Equipment	VHF AM TRANSCEIVER	FCC Part 2, Section 2.1047(a)
Model	FL-M1000A	RTCA/DO-186B Section 2.3.5
S/N	01	Test Distance
Power	DC 13.8V	Date
Mode	Transmitting (Modulation ON 75%)	February 19, 2009
	(Input Audio signal: -32.0dBV, 1kHz)	Temperature
	127.5MHz	17 deg.C.
		Humidity
		30 %
		Engineer
		Hironobu Ohnishi



75% Mod. 13.8V Input: -32dBV

Freq. [Hz]	Receiver Audio output [mV]	Audio Response [dB]	Receiver demodulator output Response [dB]	(Normalized) Audio Response [dB]
100	5	-47.42	-21.63	-25.79
200	199	-15.42	-11.57	-3.86
300	485	-7.69	-7.28	-0.40
400	693	-4.59	-4.92	0.33
500	848	-2.83	-3.27	0.44
600	950	-1.85	-2.18	0.33
700	1022	-1.21	-1.39	0.18
800	1080	-0.73	-0.80	0.07
900	1130	-0.34	-0.35	0.01
1000	1175	0.00	0.00	0.00
1500	1289	0.80	0.88	-0.08
2000	1186	0.08	1.13	-1.05
3000	318	-11.35	0.96	-12.32
4000	6	-45.84	0.47	-46.31
5000	3	-51.86	-0.30	-51.55
6000	2	-55.38	-1.11	-54.27
7000	2	-55.38	-2.04	-53.34
8000	2	-55.38	-3.11	-52.27
9000	2	-55.38	-4.39	-50.99
10000	2	-55.38	-5.72	-49.66

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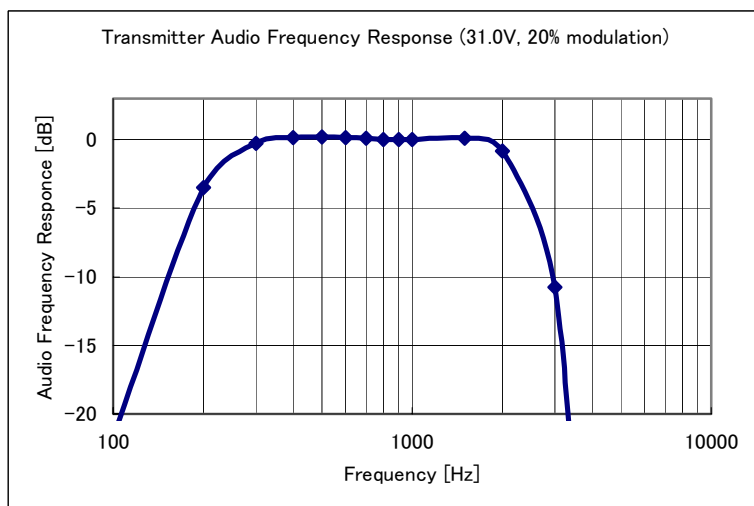
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Audio Frequency Response (Conducted)

Company Edmo Distributors, Inc.
Equipment VHF AM TRANSCEIVER
Model FL-M1000A
S/N 01
Power DC 31.0V
Mode Transmitting (Modulation ON 20%)
(Input Audio signal: -44.5dBV, 1kHz)
127.5MHz

UL Japan, Inc
Head Office EMC Lab. No.2 Measuring room
Regulation FCC Part 2, Section 2.1047(a)
TIA/EIA-603-C Section 2.2.6
Test Distance -
Date February 19, 2009
Temperature 17 deg.C.
Humidity 30 %
Engineer Hironobu Ohnishi



20% Mod. 31.0V Input: -44.5dBV

Freq. [Hz]	Receiver Audio output [mV]	Audio Response [dB]	Receiver demodulator output Response [dB]	(Normalized) Audio Response [dB]
100	7	-43.31	-21.63	-21.68
200	181	-15.06	-11.57	-3.49
300	429	-7.57	-7.28	-0.28
400	593	-4.75	-4.92	0.17
500	721	-3.06	-3.27	0.21
600	813	-2.01	-2.18	0.17
700	882	-1.31	-1.39	0.09
800	938	-0.77	-0.80	0.03
900	984	-0.35	-0.35	0.00
1000	1025	0.00	0.00	0.00
1500	1147	0.98	0.88	0.09
2000	1063	0.32	1.13	-0.81
3000	331	-9.82	0.96	-10.78
4000	9	-41.13	0.47	-41.60
5000	7	-43.31	-0.30	-43.01
6000	7	-43.31	-1.11	-42.20
7000	7	-43.31	-2.04	-41.27
8000	7	-43.31	-3.11	-40.20
9000	7	-43.31	-4.39	-38.92
10000	7	-43.31	-5.72	-37.60

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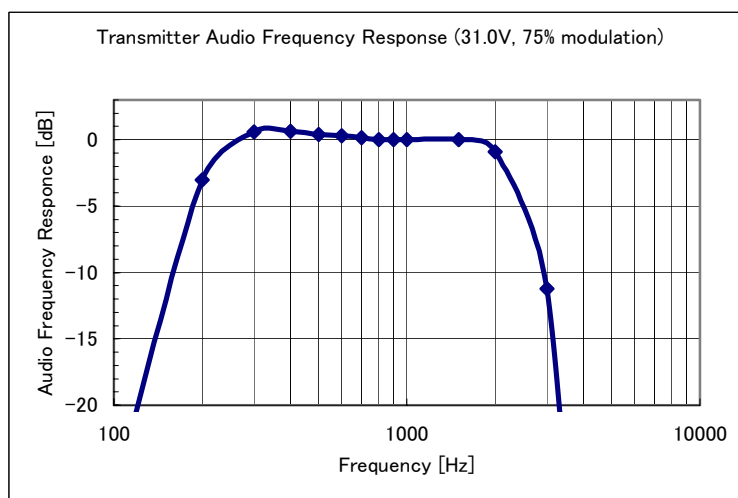
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Audio Frequency Response (Conducted)

(Reference data)

	UL Japan, Inc	Head Office EMC Lab. No.2 Measuring room
Company	Edmo Distributors, Inc.	Regulation
Equipment	VHF AM TRANSCEIVER	FCC Part 2, Section 2.1047(a)
Model	FL-M1000A	RTCA/DO-186B Section 2.3.5
S/N	01	Test Distance
Power	DC 31.0V	Date
Mode	Transmitting (Modulation ON 75%)	February 19, 2009
	(Input Audio signal: -31.0dBV, 1kHz)	Temperature
	127.5MHz	17 deg.C.
		Humidity
		30 %
		Engineer
		Hironobu Ohnishi



75% Mod. 31.0V Input: -31dBV

Freq. [Hz]	Receiver Audio output [mV]	Audio Response [dB]	Receiver demodulator output Response [dB]	(Normalized) Audio Response [dB]
100	3	-48.29	-21.63	-26.66
200	145	-14.60	-11.57	-3.04
300	361	-6.68	-7.28	0.60
400	475	-4.30	-4.92	0.62
500	561	-2.85	-3.27	0.42
600	626	-1.90	-2.18	0.28
700	675	-1.24	-1.39	0.15
800	713	-0.77	-0.80	0.03
900	748	-0.35	-0.35	0.00
1000	779	0.00	0.00	0.00
1500	863	0.89	0.88	0.01
2000	799	0.22	1.13	-0.91
3000	239	-10.26	0.96	-11.23
4000	5	-43.85	0.47	-44.33
5000	1	-57.83	-0.30	-57.53
6000	1	-57.83	-1.11	-56.72
7000	1	-57.83	-2.04	-55.79
8000	1	-57.83	-3.11	-54.72
9000	1	-57.83	-4.39	-53.44
10000	1	-57.83	-5.72	-52.11

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Head Office EMC Lab.

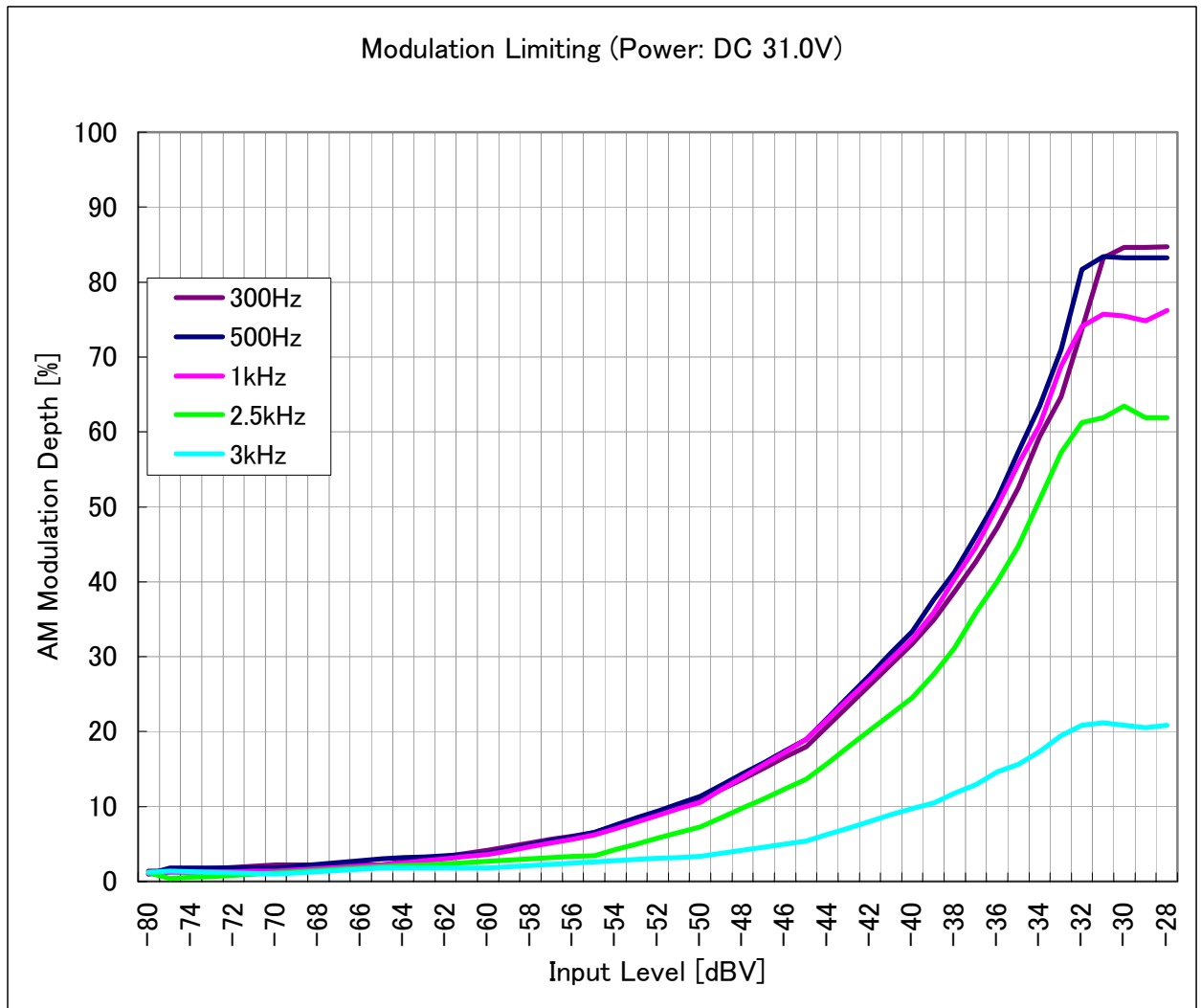
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Modulation Limiting (Conducted)

Company	Edmo Distributors, Inc.	UL Japan, Inc
Equipment	VHF AM TRANSCEIVER	Head Office EMC Lab. No.2 Measuring room
Model	FL-M1000A	Regulation
S/N	01	FCC part 87, Section 87.141(a) /
Power	DC 31.0V	Part 2, Section 2.1047(b)
Mode	Transmitting (Modulation ON)	TIA/EIA-603-C Section 2.2.3
	127.5MHz	Test Distance
		Date
		February 19, 2009
		Temperature
		17 deg.C.
		Humidity
		30 %
		Engineer
		Hironobu Ohnishi



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Modulation Limiting (Conducted)

DC 31.0V

Mod. Freq.	300Hz			500Hz			1kHz			2.5kHz			3kHz		
Input Level [dBV]	Min. Range [mV]	Max. Range [mV]	Mod. Depth [%]	Min. Range [mV]	Max. Range [mV]	Mod. Depth [%]	Min. Range [mV]	Max. Range [mV]	Mod. Depth [%]	Min. Range [mV]	Max. Range [mV]	Mod. Depth [%]	Min. Range [mV]	Max. Range [mV]	Mod. Depth [%]
-80	502.0	516.0	1.38	502.0	512.0	0.99	500.0	510.0	0.99	516.0	528.0	1.15	500.0	512.0	1.19
-75	502.0	516.0	1.38	494.0	512.0	1.79	498.0	510.0	1.19	516.0	520.0	0.39	494.0	508.0	1.40
-74	500.4	516.0	1.53	494.0	512.0	1.79	497.6	510.0	1.23	516.0	521.6	0.54	495.6	508.8	1.31
-73	498.8	516.0	1.69	494.0	512.0	1.79	497.2	510.0	1.27	516.0	523.2	0.69	497.2	509.6	1.23
-72	497.2	516.0	1.86	494.0	512.0	1.79	496.8	510.0	1.31	516.0	524.8	0.85	498.8	510.4	1.15
-71	495.6	516.0	2.02	494.0	512.0	1.79	496.4	510.0	1.35	516.0	526.4	1.00	500.4	511.2	1.07
-70	494.0	516.0	2.18	494.0	512.0	1.79	496.0	510.0	1.39	516.0	528.0	1.15	502.0	512.0	0.99
-69	494.0	516.0	2.18	492.4	512.8	2.03	495.6	511.2	1.55	514.4	528.0	1.30	500.4	512.0	1.15
-68	494.0	516.0	2.18	490.8	513.6	2.27	495.2	512.4	1.71	512.8	528.0	1.46	498.8	512.0	1.31
-67	494.0	516.0	2.18	489.2	514.4	2.51	494.8	513.6	1.86	511.2	528.0	1.62	497.2	512.0	1.47
-66	494.0	516.0	2.18	487.6	515.2	2.75	494.4	514.8	2.02	509.6	528.0	1.77	495.6	512.0	1.63
-65	494.0	516.0	2.18	486.0	516.0	2.99	494.0	516.0	2.18	508.0	528.0	1.93	494.0	512.0	1.79
-64	491.6	517.6	2.58	486.0	517.6	3.15	491.6	516.4	2.46	506.4	528.0	2.09	494.0	512.0	1.79
-63	489.2	519.2	2.98	486.0	519.2	3.30	489.2	516.8	2.74	504.8	528.0	2.25	494.0	512.0	1.79
-62	486.8	520.8	3.37	486.0	520.8	3.46	486.8	517.2	3.03	503.2	528.0	2.40	494.0	512.0	1.79
-61	484.4	522.4	3.77	486.0	522.4	3.61	484.4	517.6	3.31	501.6	528.0	2.56	494.0	512.0	1.79
-60	482.0	524.0	4.17	486.0	524.0	3.76	482.0	518.0	3.60	500.0	528.0	2.72	494.0	512.0	1.79
-59	479.6	526.4	4.65	482.8	526.4	4.32	479.6	520.8	4.12	500.0	529.6	2.87	492.4	512.0	1.95
-58	477.2	528.8	5.13	479.6	528.8	4.88	477.2	523.6	4.64	500.0	531.2	3.03	490.8	512.0	2.11
-57	474.8	531.2	5.61	476.4	531.2	5.44	474.8	526.4	5.15	500.0	532.8	3.18	489.2	512.0	2.28
-56	472.4	533.6	6.08	473.2	533.6	6.00	472.4	529.2	5.67	500.0	534.4	3.33	487.6	512.0	2.44
-55	470.0	536.0	6.56	470.0	536.0	6.56	470.0	532.0	6.19	500.0	536.0	3.47	486.0	512.0	2.61
-54	466.8	541.6	7.42	465.2	540.8	7.51	465.6	536.4	7.07	496.8	540.8	4.24	486.0	513.6	2.76
-53	463.6	547.2	8.27	460.4	545.6	8.47	461.2	540.8	7.94	493.6	545.6	5.00	486.0	515.2	2.92
-52	460.4	552.8	9.12	455.6	550.4	9.42	456.8	545.2	8.82	490.4	550.4	5.76	486.0	516.8	3.07
-51	457.2	558.4	9.96	450.8	555.2	10.38	452.4	549.6	9.70	487.2	555.2	6.52	486.0	518.4	3.23
-50	454.0	564.0	10.81	446.0	560.0	11.33	448.0	554.0	10.58	484.0	560.0	7.28	486.0	520.0	3.38
-49	446.0	570.4	12.24	438.0	567.2	12.85	439.6	562.4	12.26	476.0	564.8	8.53	483.6	521.6	3.78
-48	438.0	576.8	13.68	430.0	574.4	14.38	431.2	570.8	13.93	468.0	569.6	9.79	481.2	523.2	4.18
-47	430.0	583.2	15.12	422.0	581.6	15.90	422.8	579.2	15.61	460.0	574.4	11.06	478.8	524.8	4.58
-46	422.0	589.6	16.57	414.0	588.8	17.43	414.4	587.6	17.29	452.0	579.2	12.34	476.4	526.4	4.99
-45	414.0	596.0	18.02	406.0	596.0	18.96	406.0	596.0	18.96	444.0	584.0	13.62	474.0	528.0	5.39
-44	399.6	608.8	20.75	391.6	610.4	21.84	392.4	609.2	21.65	432.8	595.2	15.80	470.0	532.8	6.26
-43	385.2	621.6	23.48	377.2	624.8	24.71	378.8	622.4	24.33	421.6	606.4	17.98	466.0	537.6	7.13
-42	370.8	634.4	26.22	362.8	639.2	27.58	365.2	635.6	27.02	410.4	617.6	20.16	462.0	542.4	8.00
-41	356.4	647.2	28.98	348.4	653.6	30.46	351.6	648.8	29.71	399.2	628.8	22.33	458.0	547.2	8.87
-40	342.0	660.0	31.74	334.0	668.0	33.33	338.0	662.0	32.40	388.0	640.0	24.51	454.0	552.0	9.74
-39	326.0	676.0	34.93	310.0	684.0	37.63	320.0	678.0	35.87	372.0	656.0	27.63	454.0	560.0	10.45
-38	306.0	692.0	38.68	294.0	708.0	41.32	298.0	702.0	40.40	356.0	678.0	31.14	442.0	560.0	11.78
-37	286.0	712.0	42.69	270.0	732.0	46.11	278.0	726.0	44.62	332.0	704.0	35.91	438.0	568.0	12.92
-36	262.0	732.0	47.28	246.0	760.0	51.09	250.0	752.0	50.10	308.0	720.0	40.08	426.0	572.0	14.63
-35	238.0	764.0	52.50	214.0	788.0	57.29	222.0	780.0	55.69	284.0	744.0	44.75	426.0	584.0	15.64
-34	202.0	792.0	59.36	188.0	840.0	63.42	204.0	840.0	60.92	252.0	776.0	50.97	414.0	588.0	17.37
-33	180.0	840.0	64.71	148.0	872.0	70.98	160.0	865.0	68.78	220.0	808.0	57.20	402.0	596.0	19.44
-32	132.0	872.0	73.71	92.0	912.0	81.67	132.0	888.0	74.12	200.0	832.0	61.24	398.0	608.0	20.87
-31	84.0	920.0	83.27	84.0	928.0	83.40	124.0	896.0	75.69	196.0	832.0	61.87	398.0	612.0	21.19
-30	76.0	912.0	84.62	84.0	920.0	83.27	124.0	888.0	75.49	188.0	840.0	63.42	398.0	608.0	20.87
-29	76.0	912.0	84.62	84.0	920.0	83.27	128.0	888.0	74.80	196.0	832.0	61.87	398.0	604.0	20.56
-28	76.0	920.0	84.74	84.0	920.0	83.27	120.0	888.0	76.19	196.0	832.0	61.87	398.0	608.0	20.87

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Modulation Limiting (Conducted)

(Reference data)

UL Japan, Inc

Head Office EMC Lab. No.2 Measuring room

Company Edmo Distributors, Inc.

Regulation FCC part 87, Section 87.141(a) /
Part 2, Section 2.1047(b)

Equipment VHF AM TRANSCEIVER

TIA/EIA-603-C Section 2.2.3

Model FL-M1000A

Test Distance -

S/N 01

Date February 19, 2009

Power DC 13.8V

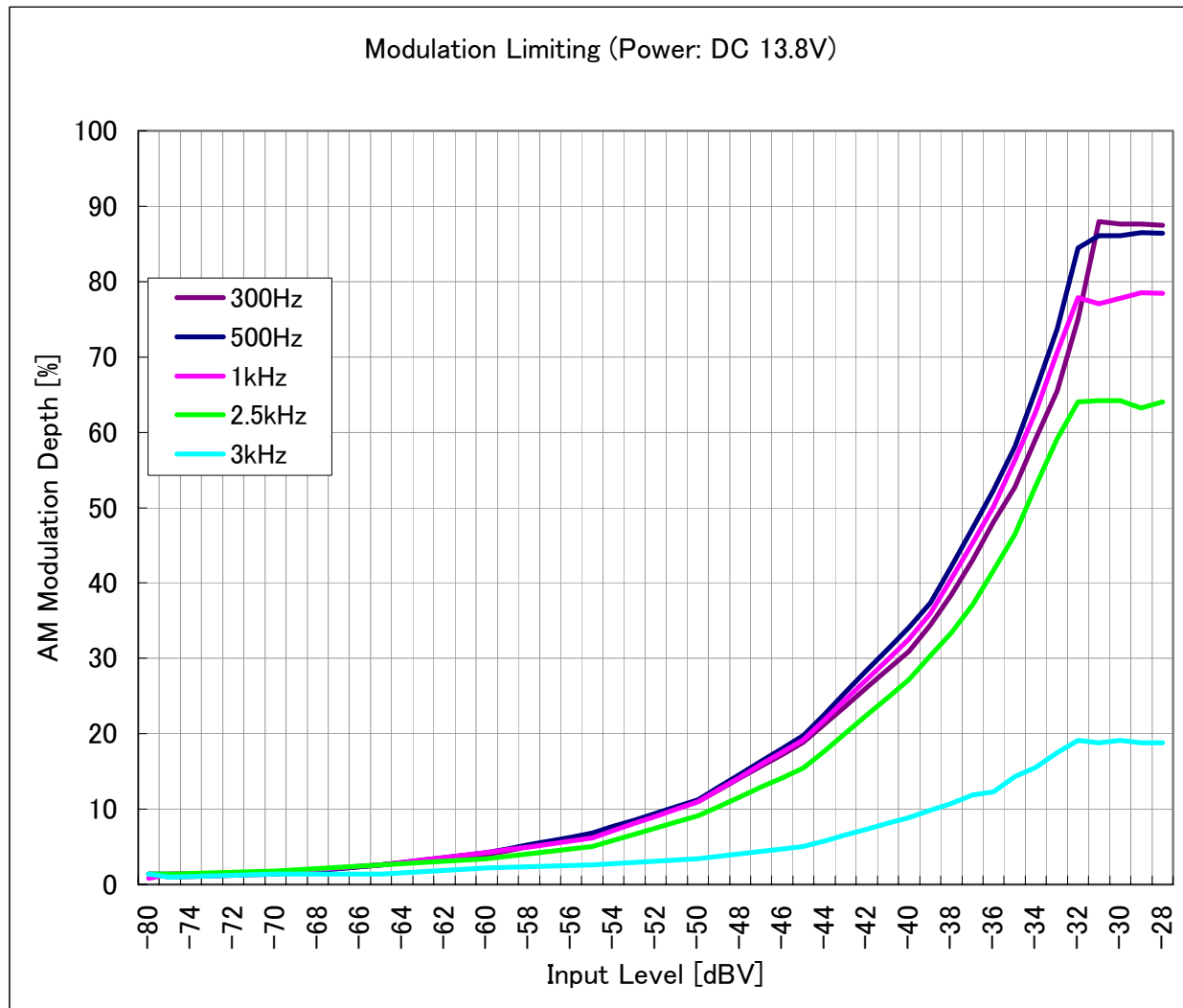
Temperature 17 deg.C.

Mode Transmitting (Modulation ON)

Humidity 30 %

127.5MHz

Engineer Hironobu Ohnishi



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Modulation Limiting (Conducted)

DC 13.8V (Reference Data)

Mod. Freq.	300Hz			500Hz			1kHz			2.5kHz			3kHz		
Input Level [dBV]	Min. Range [mV]	Max. Range [mV]	Mod. Depth [%]	Min. Range [mV]	Max. Range [mV]	Mod. Depth [%]	Min. Range [mV]	Max. Range [mV]	Mod. Depth [%]	Min. Range [mV]	Max. Range [mV]	Mod. Depth [%]	Min. Range [mV]	Max. Range [mV]	Mod. Depth [%]
-80	498.0	512.0	1.39	494.0	508.0	1.40	500.0	508.0	0.79	494.0	508.0	1.40	494.0	508.0	1.40
-75	494.0	504.0	1.00	494.0	508.0	1.40	494.0	508.0	1.40	490.0	504.0	1.41	494.0	504.0	1.00
-74	494.0	504.8	1.08	494.0	508.0	1.40	493.6	508.0	1.44	489.2	504.0	1.49	493.2	504.0	1.08
-73	494.0	505.6	1.16	494.0	508.0	1.40	493.2	508.0	1.48	488.4	504.0	1.57	492.4	504.0	1.16
-72	494.0	506.4	1.24	494.0	508.0	1.40	492.8	508.0	1.52	487.6	504.0	1.65	491.6	504.0	1.25
-71	494.0	507.2	1.32	494.0	508.0	1.40	492.4	508.0	1.56	486.8	504.0	1.74	490.8	504.0	1.33
-70	494.0	508.0	1.40	494.0	508.0	1.40	492.0	508.0	1.60	486.0	504.0	1.82	490.0	504.0	1.41
-69	492.4	508.8	1.64	493.2	509.6	1.64	490.8	508.8	1.80	485.2	504.8	1.98	490.0	504.0	1.41
-68	490.8	509.6	1.88	492.4	511.2	1.87	489.6	509.6	2.00	484.4	505.6	2.14	490.0	504.0	1.41
-67	489.2	510.4	2.12	491.6	512.8	2.11	488.4	510.4	2.20	483.6	506.4	2.30	490.0	504.0	1.41
-66	487.6	511.2	2.36	490.8	514.4	2.35	487.2	511.2	2.40	482.8	507.2	2.46	490.0	504.0	1.41
-65	486.0	512.0	2.61	490.0	516.0	2.58	486.0	512.0	2.61	482.0	508.0	2.63	490.0	504.0	1.41
-64	484.8	513.6	2.88	487.6	516.8	2.91	484.4	513.6	2.93	481.2	508.8	2.79	489.2	504.8	1.57
-63	483.6	515.2	3.16	485.2	517.6	3.23	482.8	515.2	3.25	480.4	509.6	2.95	488.4	505.6	1.73
-62	482.4	516.8	3.44	482.8	518.4	3.56	481.2	516.8	3.57	479.6	510.4	3.11	487.6	506.4	1.89
-61	481.2	518.4	3.72	480.4	519.2	3.88	479.6	518.4	3.89	478.8	511.2	3.27	486.8	507.2	2.05
-60	480.0	520.0	4.00	478.0	520.0	4.21	478.0	520.0	4.21	478.0	512.0	3.43	486.0	508.0	2.21
-59	478.0	523.2	4.51	475.2	522.4	4.73	476.4	522.4	4.61	476.4	513.6	3.76	485.2	508.0	2.30
-58	476.0	526.4	5.03	472.4	524.8	5.25	474.8	524.8	5.00	474.8	515.2	4.08	484.4	508.0	2.38
-57	474.0	529.6	5.54	469.6	527.2	5.78	473.2	527.2	5.40	473.2	516.8	4.40	483.6	508.0	2.46
-56	472.0	532.8	6.05	466.8	529.6	6.30	471.6	529.6	5.79	471.6	518.4	4.73	482.8	508.0	2.54
-55	470.0	536.0	6.56	464.0	532.0	6.83	470.0	532.0	6.19	470.0	520.0	5.05	482.0	508.0	2.63
-54	465.2	540.0	7.44	460.0	536.8	7.70	465.2	536.8	7.15	466.0	524.0	5.86	481.2	508.8	2.79
-53	460.4	544.0	8.32	456.0	541.6	8.58	460.4	541.6	8.10	462.0	528.0	6.67	480.4	509.6	2.95
-52	455.6	548.0	9.21	452.0	546.4	9.46	455.6	546.4	9.06	458.0	532.0	7.47	479.6	510.4	3.11
-51	450.8	552.0	10.09	448.0	551.2	10.33	450.8	551.2	10.02	454.0	536.0	8.28	478.8	511.2	3.27
-50	446.0	556.0	10.98	444.0	556.0	11.20	446.0	556.0	10.98	450.0	540.0	9.09	478.0	512.0	3.43
-49	437.6	563.2	12.55	435.6	564.8	12.91	437.6	564.0	12.62	444.4	547.2	10.37	476.4	513.6	3.76
-48	429.2	570.4	14.13	427.2	573.6	14.63	429.2	572.0	14.26	438.8	554.4	11.64	474.8	515.2	4.08
-47	420.8	577.6	15.71	418.8	582.4	16.34	420.8	580.0	15.91	433.2	561.6	12.91	473.2	516.8	4.40
-46	412.4	584.8	17.29	410.4	591.2	18.05	412.4	588.0	17.55	427.6	568.8	14.17	471.6	518.4	4.73
-45	404.0	592.0	18.88	402.0	600.0	19.76	404.0	596.0	19.20	422.0	576.0	15.43	470.0	520.0	5.05
-44	392.4	604.8	21.30	387.6	614.4	22.63	390.8	609.6	21.87	410.0	587.2	17.77	466.4	524.0	5.82
-43	380.8	617.6	23.72	373.2	628.8	25.51	377.6	623.2	24.54	398.0	598.4	20.11	462.8	528.0	6.58
-42	369.2	630.4	26.13	358.8	643.2	28.38	364.4	636.8	27.21	386.0	609.6	22.46	459.2	532.0	7.34
-41	357.6	643.2	28.54	344.4	657.6	31.26	351.2	650.4	29.87	374.0	620.8	24.81	455.6	536.0	8.11
-40	346.0	656.0	30.94	330.0	672.0	34.13	338.0	664.0	32.53	362.0	632.0	27.16	452.0	540.0	8.87
-39	326.0	668.0	34.41	314.0	688.0	37.33	320.0	680.0	36.00	346.0	648.0	30.38	450.0	548.0	9.82
-38	306.0	688.0	38.43	290.0	712.0	42.12	298.0	704.0	40.52	330.0	660.0	33.33	442.0	548.0	10.71
-37	282.0	708.0	43.03	262.0	732.0	47.28	274.0	728.0	45.31	314.0	684.0	37.07	438.0	556.0	11.87
-36	258.0	736.0	48.09	238.0	760.0	52.30	250.0	752.0	50.10	290.0	704.0	41.65	434.0	556.0	12.32
-35	234.0	756.0	52.73	210.0	792.0	58.08	218.0	780.0	56.31	266.0	728.0	46.48	426.0	568.0	14.29
-34	202.0	788.0	59.19	172.0	828.0	65.60	186.0	812.0	62.73	234.0	760.0	52.92	418.0	572.0	15.56
-33	170.0	816.0	65.52	130.0	860.0	73.74	146.0	848.0	70.62	202.0	788.0	59.19	410.0	584.0	17.51
-32	122.0	856.0	75.05	76.0	900.0	84.43	110.0	884.0	77.87	178.0	812.0	64.04	402.0	592.0	19.11
-31	58.0	908.0	87.99	68.0	908.0	86.07	114.0	880.0	77.06	178.0	816.0	64.19	402.0	588.0	18.79
-30	60.0	908.0	87.60	68.0	908.0	86.07	110.0	880.0	77.78	178.0	816.0	64.19	402.0	592.0	19.11
-29	60.0	908.0	87.60	66.0	912.0	86.50	106.0	880.0	78.50	182.0	808.0	63.23	402.0	588.0	18.79
-28	60.0	900.0	87.50	66.0	908.0	86.45	106.0	876.0	78.41	178.0	812.0	64.04	402.0	588.0	18.79

UL Japan, Inc.

Head Office EMC Lab.

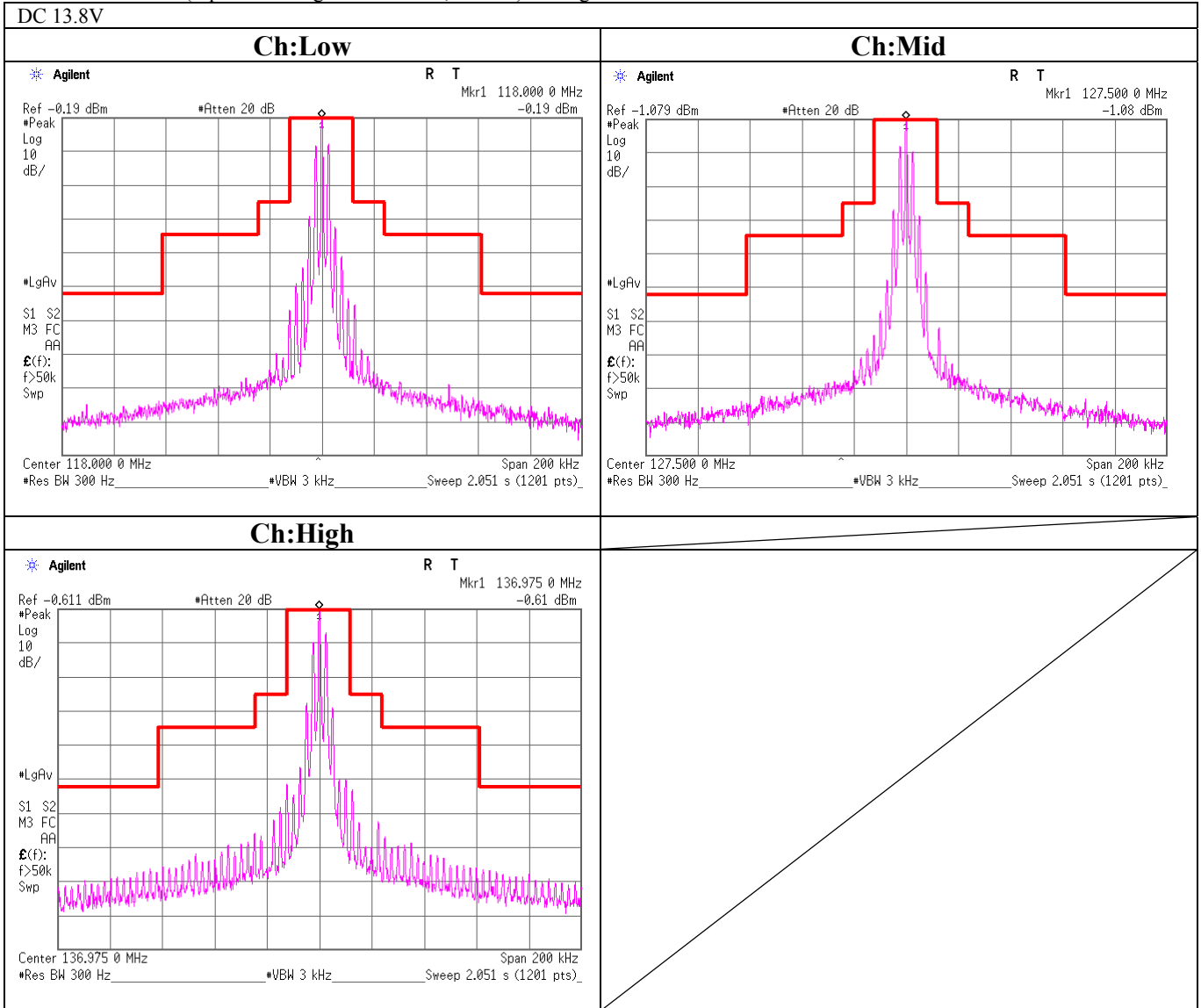
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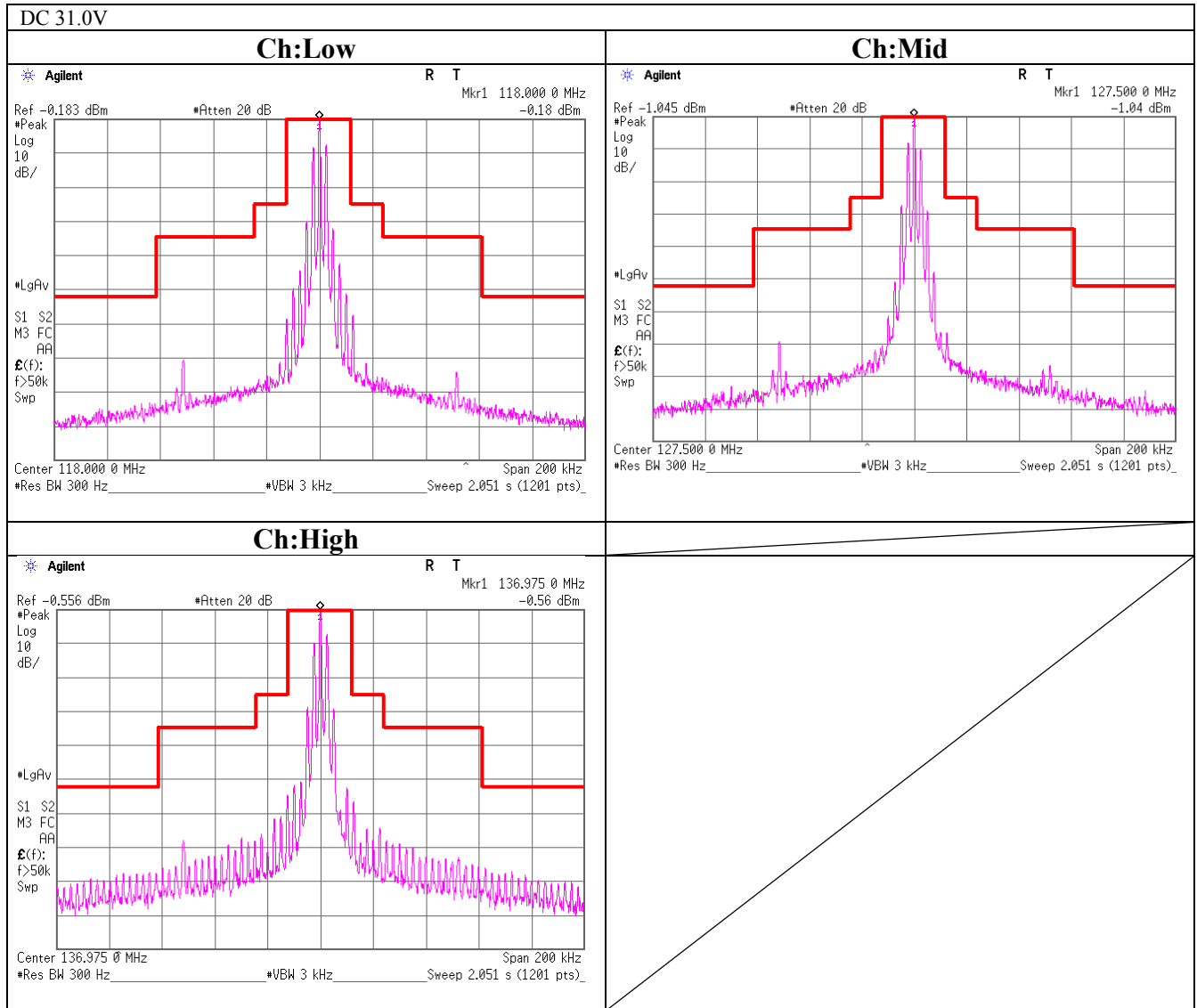
Facsimile : +81 596 24 8124

Emission limitations (Conducted)

		UL Japan, Inc	
		Head Office EMC Lab. No.6 Shielded room	
Company	Edmo Distributors, Inc.	Regulation	FCC part 87, Section 87.139(a) / Part 2, Section 2.1049
Equipment	VHF AM TRANSCEIVER		TIA/EIA-603-C Section 2.2.11
Model	FL-M1000A	Test Distance	-
S/N	01	Date	February 23, 2009
Power	DC 31.0V / DC 13.8V	Temperature	20 deg.C.
Mode	Transmitting (Modulation ON)	Humidity	44 %
	(Input Audio signal: -18.0dBV, 2.5kHz)	Engineer	Hironobu Ohnishi



Emission limitations (Conducted)



* Spurious Limit Line $-52.75\text{dBc} = 43 + 10\log(9.44[W])$

Spurious Emissions (Conducted) (Low)

UL Japan, Inc.

Head Office EMC Lab. No.6 shielded room

Company Edmo Distributors, Inc.
Equipment VHF AM TRANSCEIVER
Model FL-M1000A
S/N 01
Power DC 31.0V
Mode Transmitting (Modulation ON), 118.000MHz
(Input Audio signal: -18.0dBV, 2.5kHz)

Regulation FCC part 87, Section 87.139 (a)(3), FCC 2.1051
TIA/EIA-603-C Section 2.2.13
Test Distance -
Date February 23, 2009
Temperature 20 deg.C.
Humidity 44 %
Engineer Hironobu Ohnishi

(Spurious Below 1GHz)

(RBW: 10kHz, VBW: 30kHz)

No.	Freq. [MHz]	S/A Reading [dBm]	ATT Loss [dB]	Cable Loss [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
1	236.000	-82.80	39.94	0.34	-42.52	-13.00	29.52
2	354.000	-85.79	39.95	0.40	-45.44	-13.00	32.44
3	472.000	-87.00	39.97	0.50	-46.53	-13.00	33.53
4	590.000	-92.72	39.97	0.55	-52.20	-13.00	39.20
5	708.000	-92.32	39.95	0.62	-51.75	-13.00	38.75
6	826.000	-92.33	39.95	0.68	-51.70	-13.00	38.70
7	944.000	-92.75	39.95	0.72	-52.08	-13.00	39.08

(Spurious Above 1GHz)

(RBW: 1MHz, VBW: 3MHz)

No.	Freq. [MHz]	S/A Reading [dBm]	ATT Loss [dB]	Cable Loss [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
8	1062.000	-77.51	39.95	0.60	-36.96	-13.00	23.96
9	1180.000	-77.12	39.95	0.63	-36.54	-13.00	23.54

Remarks

CALCULATION RESULT = S/A Reading + ATT Loss + Cable Loss

*Except for the above table: All other spurious emissions were less than 20dB for the limit.

-Below 1GHz: S/A Average power(RBW: 10kHz/VBW: 30kHz)

-Above 1GHz: S/A Average power(RBW: 1MHz/VBW: 3MHz)

UL Japan, Inc.

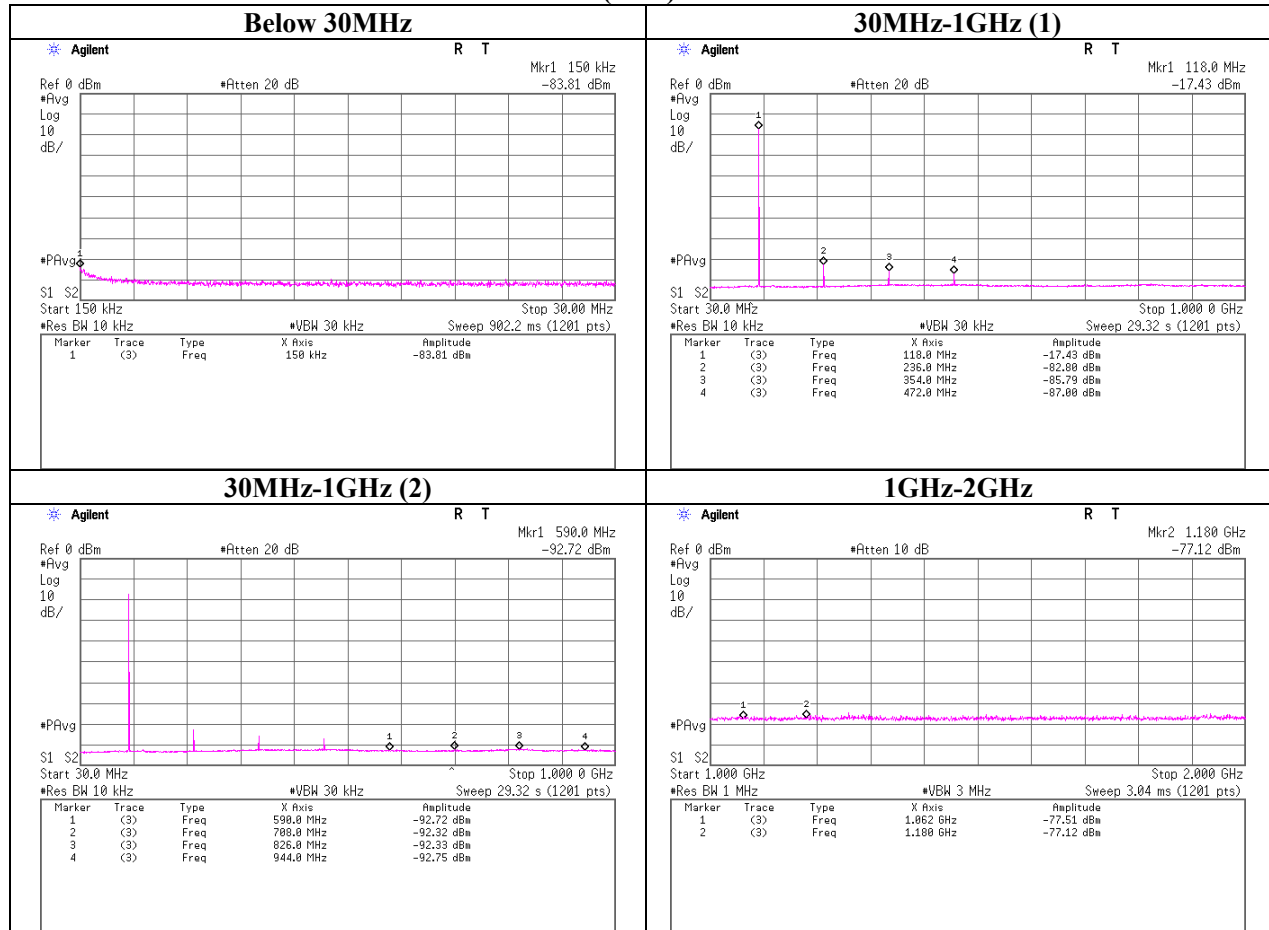
Head Office EMC Lab.

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Spurious Emissions (Conducted)
(Low)



Spurious Emissions (Conducted) (Mid)

	UL Japan, Inc.	
	Head Office EMC Lab. No.6 shielded room	
Company	Edmo Distributors, Inc.	Regulation
Equipment	VHF AM TRANSCEIVER	FCC part 87, Section 87.139 (a)(3), FCC 2.1051
Model	FL-M1000A	TIA/EIA-603-C Section 2.2.13
S/N	01	Test Distance
Power	DC 31.0V	Date
Mode	Transmitting (Modulation ON), 127.500MHz	February 23, 2009
	(Input Audio signal: -18.0dBV, 2.5kHz)	Temperature
		20 deg.C.
		Humidity
		44 %
		Engineer
		Hironobu Ohnishi

(Spurious Below 1GHz)

(RBW: 10kHz, VBW: 30kHz)

No.	Freq. [MHz]	S/A Reading [dBm]	ATT Loss [dB]	Cable Loss [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
1	255.000	-87.78	39.94	0.33	-47.51	-13.00	34.51
2	382.500	-82.23	39.96	0.41	-41.86	-13.00	28.86
3	510.000	-84.20	39.98	0.51	-43.71	-13.00	30.71
4	637.500	-91.36	39.96	0.57	-50.83	-13.00	37.83
5	765.000	-91.93	39.95	0.64	-51.34	-13.00	38.34
6	892.500	-92.66	39.95	0.70	-52.01	-13.00	39.01

(Spurious Above 1GHz)

(RBW: 1MHz, VBW: 3MHz)

No.	Freq. [MHz]	S/A Reading [dBm]	ATT Loss [dB]	Cable Loss [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
7	1020.000	-77.42	39.95	0.59	-36.88	-13.00	23.88
8	1147.500	-76.53	39.95	0.62	-35.96	-13.00	22.96
9	1275.000	-76.67	39.95	0.65	-36.07	-13.00	23.07

Remarks

CALCULATION RESULT = S/A Reading + ATT Loss + Cable Loss

*Except for the above table: All other spurious emissions were less than 20dB for the limit.

-Below 1GHz: S/A Average power(RBW: 10kHz/VBW: 30kHz)

-Above 1GHz: S/A Average power(RBW: 1MHz/VBW: 3MHz)

UL Japan, Inc.

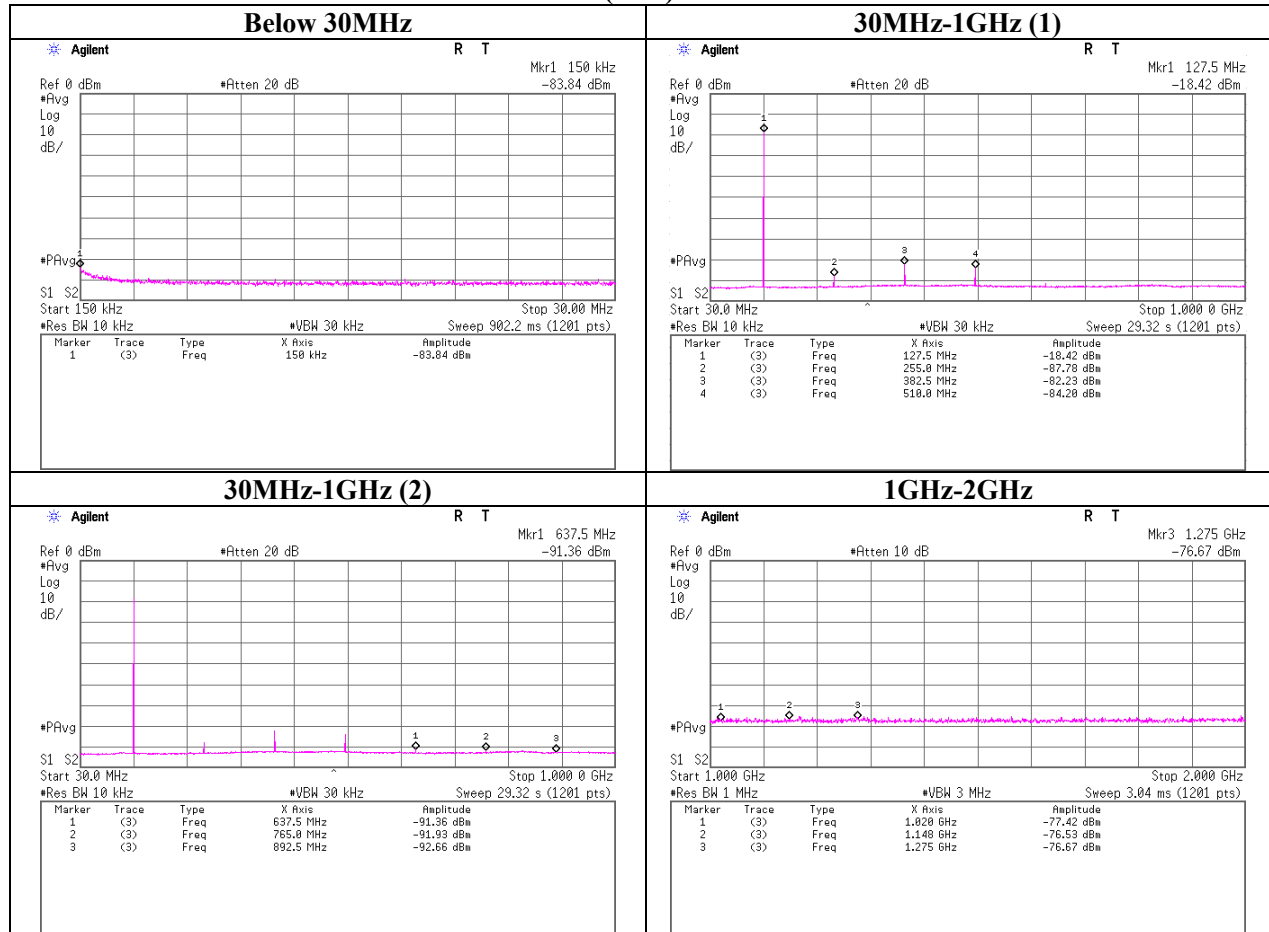
Head Office EMC Lab.

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Spurious Emissions (Conducted) (Mid)



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Spurious Emissions (Conducted) (High)

	UL Japan, Inc.	
	Head Office EMC Lab. No.6 shielded room	
Company	Edmo Distributors, Inc.	Regulation
Equipment	VHF AM TRANSCEIVER	FCC part 87, Section 87.139 (a)(3), FCC 2.1051
Model	FL-M1000A	TIA/EIA-603-C Section 2.2.13
S/N	01	Test Distance
Power	DC 31.0V	-
Mode	Transmitting (Modulation ON), 136.975MHz	Date
	(Input Audio signal: -18.0dBV, 2.5kHz)	February 23, 2009
		Temperature
		20 deg.C.
		Humidity
		44 %
		Engineer
		Hironobu Ohnishi

(Spurious Below 1GHz)

(RBW: 10kHz, VBW: 30kHz)

No.	Freq. [MHz]	S/A Reading [dBm]	ATT Loss [dB]	Cable Loss [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
1	18.260	-87.30	39.92	0.08	-47.30	-13.00	34.30
2	39.700	-56.63	39.93	0.13	-16.57	-13.00	3.57
3	58.300	-75.20	39.93	0.16	-35.11	-13.00	22.11
4	78.500	-71.50	39.94	0.18	-31.38	-13.00	18.38
5	97.100	-56.62	39.94	0.20	-16.48	-13.00	3.48
6	118.900	-90.04	39.94	0.23	-49.87	-13.00	36.87
7	176.300	-81.59	39.94	0.29	-41.36	-13.00	28.36
8	273.950	-78.14	39.94	0.34	-37.86	-13.00	24.86
9	410.925	-78.08	39.96	0.46	-37.66	-13.00	24.66
10	547.900	-88.97	39.97	0.53	-48.47	-13.00	35.47
11	684.875	-90.88	39.95	0.60	-50.33	-13.00	37.33
12	821.850	-92.01	39.95	0.67	-51.39	-13.00	38.39
13	958.825	-92.47	39.95	0.73	-51.79	-13.00	38.79

(Spurious Above 1GHz)

(RBW: 1MHz, VBW: 3MHz)

No.	Freq. [MHz]	S/A Reading [dBm]	ATT Loss [dB]	Cable Loss [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
14	1095.800	-77.68	39.95	0.61	-37.12	-13.00	24.12
15	1232.775	-74.14	39.95	0.64	-33.55	-13.00	20.55
16	1369.750	-77.39	39.95	0.67	-36.77	-13.00	23.77

Remarks

CALCULATION RESULT = S/A Reading + ATT Loss + Cable Loss

*Except for the above table: All other spurious emissions were less than 20dB for the limit.

-Below 1GHz: S/A Average power(RBW: 10kHz/VBW: 30kHz)

-Above 1GHz: S/A Average power(RBW: 1MHz/VBW: 3MHz)

UL Japan, Inc.

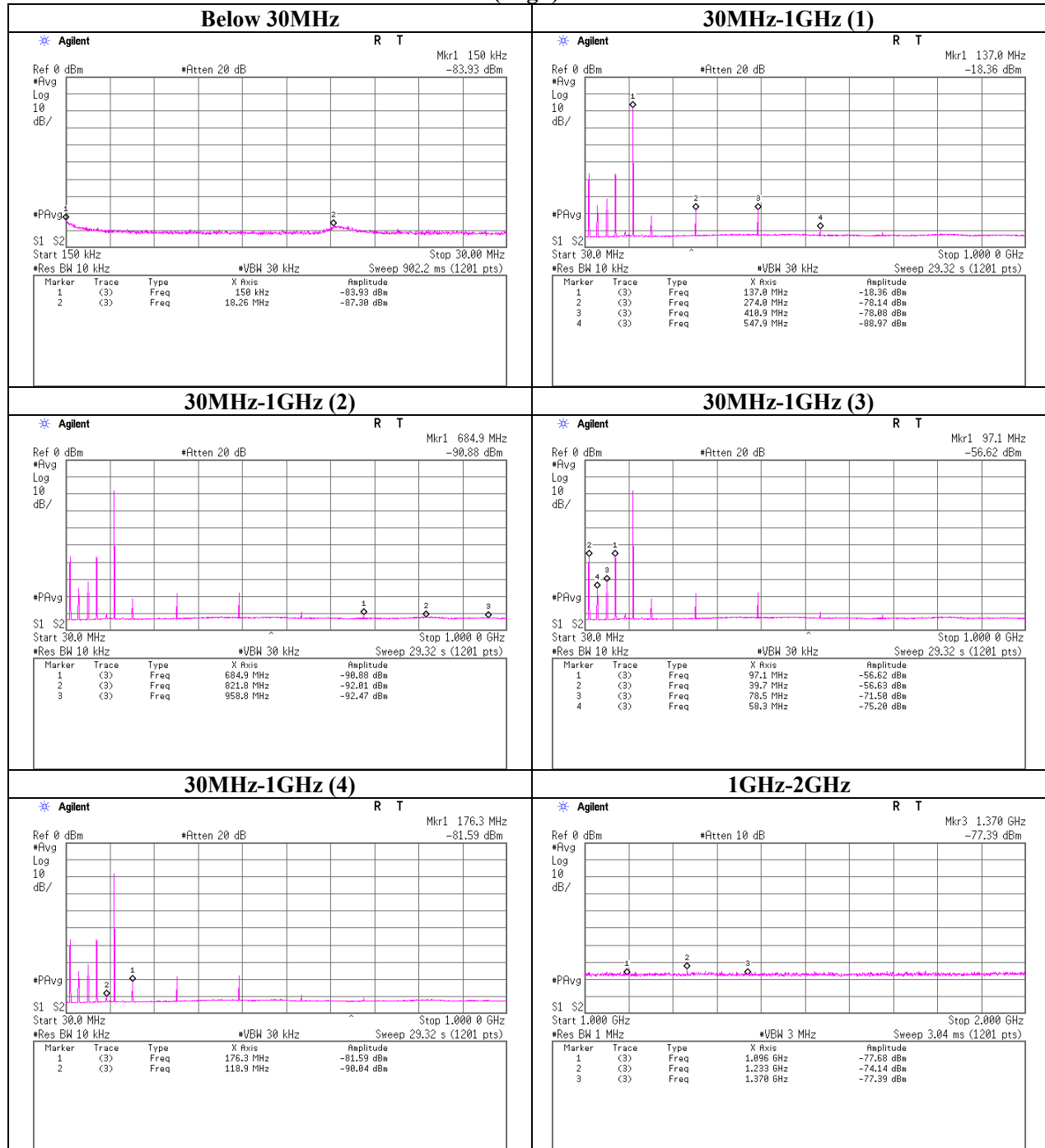
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Spurious Emissions (Conducted) (High)



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Spuripous Emissions (Radiated) (Transmitting) (Low)

UL Japan, Inc.

Head Office EMC Lab. No.3 Semi Anechoic Chamber

Company : Edmo Distributors, Inc.
Equipment : VHF AM TRANSCEIVER
Model : FL-M1000A
S/N : 01
Power : DC 31.0V
Mode : Transmitting 118.000MHz
EUT-Position : Normal-axis
Tx Antenna : 0.8m Height
(Antenna connecter 50ohm Terminated)

Regulation : FCC part 87, Section 87.139 (a)(3), FCC 2.1053
TIA/EIA-603-C Section 2.2.12
Test Distance : 3m
Date : February 28, 2009
Temperature : 20 deg.C.
Humidity : 43 %
Engineer : Hironobu Ohnishi

No.	Frequency [MHz]	Electric Field Strength (After Factor Calculation) [dBuV/m]		SG Reading [dBm]		Tx Cable Loss [dB]	Tx Ant. Gain [dBi]	Tx Ant. ATT. Loss [dB]	RESULT (ERP) [dBm]		LIMIT [dBm]	MARGIN [dB]		Mode	A/C	Remarks
		HOR	VER	HOR	VER	HOR	VER	HOR	VER	[dBm] (ERP)	HOR	VER				
1	236.00	69.2	74.8	-22.7	-9.3	0.9	2.2	9.9	-33.5	-20.2	-13.0	20.5	7.2	Operating	No3	
2	354.00	66.8	61.9	-24.3	-24.7	1.1	2.2	9.7	-35.1	-35.5	-13.0	22.1	22.5	Operating	No3	
3	472.00	73.4	70.8	-17.8	-18.6	1.2	2.2	10.0	-28.9	-29.7	-13.0	15.9	16.7	Operating	No3	
4	590.00	64.3	63.3	-26.4	-25.1	1.4	2.2	10.1	-37.9	-36.5	-13.0	24.9	23.5	Operating	No3	
5	708.00	62.1	55.2	-25.6	-30.0	1.5	2.2	10.0	-37.2	-41.6	-13.0	24.2	28.6	Operating	No3	
6	826.00	46.0	42.0	-45.1	-46.0	1.7	2.2	9.8	-56.6	-57.4	-13.0	43.6	44.4	Operating	No3	
7	944.00	45.2	44.4	-44.4	-43.3	1.9	2.2	9.7	-56.0	-54.9	-13.0	43.0	41.9	Operating	No3	
8	1062.00	39.0	43.1	-63.7	-60.8	2.9	5.6	0.0	-63.1	-60.3	-13.0	50.1	47.3	Operating	No3	
9	1180.00	42.8	43.2	-60.1	-60.8	3.0	6.2	0.0	-59.1	-59.8	-13.0	46.1	46.8	Operating	No3	

CALCULATION RESULT = SG Reading - Tx Loss + Tx Ant. Gain - Tx Ant. ATT. Loss -2.15

Rx-ANTENNA : Biconical Antenna(30M-300MHz), Logperiodic Antenna(300M-1000MHz), Horn Antenna(1G-12.75GHz)

Tx-ANTENNA : 120MHz tuned Dipole Antenna(30M-120MHz), Dipole Antenna(120M-1000MHz), Horn Antenna(1G-12.75GHz)

All other emissions were at least 20dB below the specification limit.

With the result above, the effective radiated power was calculated on the basis of the reference value

- for the calibration data on the substitution measurement.

*The test result is rounded off to one or two decimal places, so some differences might be observed.

Detector : Below 1GHz : S/A PK(RBW:10kHz/VBW:300kHz), Above 1GHz : S/A PK(RBW:1MHz/VBW:3MHz)
(FCC part 87 (TIA-603-C, section 2.2.12))

UL Japan, Inc.

Head Office EMC Lab.

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Spurious Emissions (Radiated) (Transmitting) (Mid)

UL Japan, Inc.

Head Office EMC Lab. No.3 Semi Anechoic Chamber

Company : Edmo Distributors, Inc.
Equipment : VHF AM TRANSCEIVER
Model : FL-M1000A
S/N : 01
Power : DC 31.0V
Mode : Transmitting 127.500MHz

EUT-Position : Normal-axis
Tx Antenna : 0.8m Height
(Antenna connector 50ohm Terminated)

Regulation : FCC part 87, Section 87.139 (a)(3), FCC 2.1053
TIA/EIA-603-C Section 2.2.12

Test Distance : 3m
Date : February 28, 2009
Temperature : 20 deg.C.
Humidity : 43 %
Engineer : Hironobu Ohnishi

No.	Frequency [MHz]	Electric Field Strength (After Factor Calculation) [dBuV/m]		SG Reading [dBm]		Tx Cable Loss [dB]	Tx Ant. Gain [dBi]	Tx Ant. ATT. Loss [dB]	RESULT (ERP) [dBm]		LIMIT [dBm] (ERP)	MARGIN [dB]		Mode	A/C	Remarks
		HOR	VER	HOR	VER	[dB]	[dBi]	[dB]	HOR	VER	[dBm] (ERP)	HOR	VER			
1	255.00	68.7	64.3	-22.7	-19.0	0.9	2.2	9.9	-33.5	-29.8	-13.0	20.5	16.8	Operating	No3	
2	382.50	61.7	66.9	-29.5	-20.7	1.1	2.2	9.7	-40.3	-31.5	-13.0	27.3	18.5	Operating	No3	
3	510.00	76.5	72.7	-14.6	-16.9	1.2	2.2	10.1	-25.8	-28.2	-13.0	12.8	15.2	Operating	No3	
4	637.50	63.8	61.4	-25.7	-25.6	1.4	2.2	10.1	-37.2	-37.1	-13.0	24.2	24.1	Operating	No3	
5	765.00	59.4	56.3	-30.7	-30.6	1.6	2.2	9.9	-42.2	-42.1	-13.0	29.2	29.1	Operating	No3	
6	892.50	53.7	54.4	-36.5	-33.7	1.8	2.2	9.6	-47.9	-45.0	-13.0	34.9	32.0	Operating	No3	
7	1020.00	53.9	53.1	-48.7	-50.8	2.8	5.4	0.0	-48.3	-50.4	-13.0	35.3	37.4	Operating	No3	
8	1147.50	42.1	46.2	-60.8	-57.8	3.0	6.0	0.0	-59.8	-56.9	-13.0	46.8	43.9	Operating	No3	
9	1275.00	42.8	47.5	-60.3	-56.6	3.1	6.6	0.0	-58.9	-55.2	-13.0	45.9	42.2	Operating	No3	

CALCULATION RESULT = SG Reading - Tx Loss + Tx Ant. Gain - Tx Ant. ATT. Loss - 2.15

Rx-ANTENNA : Biconical Antenna(30M-300MHz), Logperiodic Antenna(300M-1000MHz), Horn Antenna(1G-12.75GHz)

Tx-ANTENNA : 120MHz tuned Dipole Antenna(30M-120MHz), Dipole Antenna(120M-1000MHz), Horn Antenna(1G-12.75GHz)

All other emissions were at least 20dB below the specification limit.

With the result above, the effective radiated power was calculated on the basis of the reference value

- for the calibration data on the substitution measurement.

*The test result is rounded off to one or two decimal places, so some differences might be observed.

Detector : Below 1GHz : S/A PK(RBW:10kHz/VBW:300kHz), Above 1GHz : S/A PK(RBW:1MHz/VBW:3MHz)
(FCC part 87 (TIA-603-C, section 2.2.12))

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Spuripous Emissions (Radiated) (Transmitting) (High)

UL Japan, Inc.

Head Office EMC Lab. No.3 Semi Anechoic Chamber

Company : Edmo Distributors, Inc.
Equipment : VHF AM TRANSCEIVER
Model : FL-M1000A
S/N : 01
Power : DC 31.0V
Mode : Transmitting 136.975MHz
Normal-axis
EUT-Position : 0.8m Height
Tx Antenna : (Antenna connecter 50ohm Terminated)

Regulation : FCC part 87, Section 87.139 (a)(3), FCC 2.1053
TIA/EIA-603-C Section 2.2.12
Test Distance : 3m
Date : February 28, 2009
Temperature : 20 deg.C.
Humidity : 43 %
Engineer : Hironobu Ohnishi

No.	Frequency [MHz]	Electric Field Strength (After Factor Calculation) [dBuV/m]		SG Reading [dBm]		Tx Cable Loss [dB]	Tx Ant. Gain [dBi]	Tx Ant. ATT. Loss [dB]	RESULT (ERP) [dBm]		LIMIT [dBm] (ERP)	MARGIN [dB]		Mode	A/C	Remarks
		HOR	VER	HOR	VER				HOR	VER		HOR	VER			
1	273.95	72.0	61.7	-19.0	-22.7	1.0	2.2	9.9	-29.9	-33.6	-13.0	16.9	20.6	Operating	No3	
2	410.93	75.2	73.0	-16.1	-15.4	1.1	2.2	9.8	-27.0	-26.3	-13.0	14.0	13.3	Operating	No3	
3	547.90	81.3	74.3	-9.6	-14.7	1.3	2.2	10.1	-21.0	-26.1	-13.0	8.0	13.1	Operating	No3	
4	684.88	68.7	61.6	-19.2	-23.9	1.5	2.2	10.1	-30.7	-35.4	-13.0	17.7	22.4	Operating	No3	
5	821.85	58.4	55.0	-32.8	-32.9	1.6	2.2	9.8	-44.2	-44.4	-13.0	31.2	31.4	Operating	No3	
6	958.83	45.1	37.4	-44.4	-50.2	1.9	2.2	9.7	-56.0	-61.8	-13.0	43.0	48.8	Operating	No3	
7	1095.80	42.4	48.3	-60.4	-55.7	2.9	5.7	0.0	-59.7	-55.0	-13.0	46.7	42.0	Operating	No3	
8	1232.78	40.5	43.4	-62.5	-60.7	3.1	6.4	0.0	-61.3	-59.4	-13.0	48.3	46.4	Operating	No3	
9	1369.75	44.3	47.1	-58.9	-57.1	3.2	7.1	0.0	-57.2	-55.3	-13.0	44.2	42.3	Operating	No3	

CALCULATION RESULT = SG Reading - Tx Loss + Tx Ant. Gain - Tx Ant. ATT. Loss - 2.15

Rx-ANTENNA : Biconical Antenna(30M-300MHz), Logperiodic Antenna(300M-1000MHz), Horn Antenna(1G-12.75GHz)

Tx-ANTENNA : 120MHz tuned Dipole Antenna(30M-120MHz), Dipole Antenna(120M-1000MHz), Horn Antenna(1G-12.75GHz)

All other emissions were at least 20dB below the specification limit.

With the result above, the effective radiated power was calculated on the basis of the reference value

- for the calibration data on the substitution measurement.

*The test result is rounded off to one or two decimal places, so some differences might be observed.

Detector : Below 1GHz : S/A PK(RBW:10kHz/VBW:300kHz), Above 1GHz : S/A PK(RBW:1MHz/VBW:3MHz)
(FCC part 87 (TIA-603-C, section 2.2.12))

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Frequency Stability (Conducted)

UL Japan, Inc.

Head Office EMC Lab. No.6 Shielded room

Company Edmo Distributors, Inc.
Equipment VHF AM TRANSCEIVER
Model FL-M1000A
S/N 01
Power DC 26.4V, 31.0V, 11.7V
Mode Transmitting (unmodulation)

Regulation FCC part 87, Section 87.133(a), FCC 2.1055
TIA/EIA-603-C Section 2.2.2
Test Distance -
Date February 23, 2009
Temperature 20 deg.C.
Humidity 44 %
Engineer Hironobu Ohnishi

Temp.	Volt	Tx 118.000MHz				Tx 127.500MHz				Tx 136.975MHz			
		Reading Frequency	Frequency Error	Result	Limit	Reading Frequency	Frequency Error	Result	Limit	Reading Frequency	Frequency Error	Result	Limit
[deg.C]	[V]	[MHz]	[kHz]	[ppm]	[ppm]	[MHz]	[kHz]	[ppm]	[ppm]	[MHz]	[kHz]	[ppm]	[ppm]
-30.0	26.4	117.99995461	-0.045	-0.38	20	127.49995024	-0.050	-0.39	20	136.97494539	-0.055	-0.40	20
-20.0	26.4	117.99996430	-0.036	-0.30	20	127.49996066	-0.039	-0.31	20	136.97495829	-0.042	-0.30	20
-10.0	26.4	117.99999923	-0.001	-0.01	20	127.50000176	0.002	0.01	20	136.97500606	0.006	0.04	20
0.0	26.4	118.00002742	0.027	0.23	20	127.50003072	0.031	0.24	20	136.97503410	0.034	0.25	20
10.0	26.4	118.00005760	0.058	0.49	20	127.50006385	0.064	0.50	20	136.97506950	0.069	0.51	20
20.0	26.4	118.00006948	0.069	0.59	20	127.50007570	0.076	0.59	20	136.97508208	0.082	0.60	20
30.0	26.4	118.00008013	0.080	0.68	20	127.50008609	0.086	0.68	20	136.97509187	0.092	0.67	20
40.0	26.4	118.00008458	0.085	0.72	20	127.50009103	0.091	0.71	20	136.97509724	0.097	0.71	20
50.0	26.4	118.00011005	0.110	0.93	20	127.50011958	0.120	0.94	20	136.97512923	0.129	0.94	20
55.0	26.4	118.00010565	0.106	0.90	20	127.50011259	0.113	0.88	20	136.97512009	0.120	0.88	20

Temp.	Volt (*1)	Reading Frequency	Frequency Error	Result	Limit	Reading Frequency	Frequency Error	Result	Limit	Reading Frequency	Frequency Error	Result	Limit
[deg.C]	[V]	[MHz]	[kHz]	[ppm]	[ppm]	[MHz]	[kHz]	[ppm]	[ppm]	[MHz]	[kHz]	[ppm]	[ppm]
20.0	31.0	118.00007254	0.073	0.61	20	127.50007887	0.079	0.62	20	136.97508544	0.085	0.62	20
20.0	11.7	118.00007483	0.075	0.63	20	127.50008084	0.081	0.63	20	136.97508857	0.089	0.65	20

*1) Low 11.7V, High 31V, Since EUT's specification DC 11.7V to DC 16V (Normal 13.8V) and DC 22V to 31V (Normal 26.4V).

UL Japan, Inc.

Head Office EMC Lab.

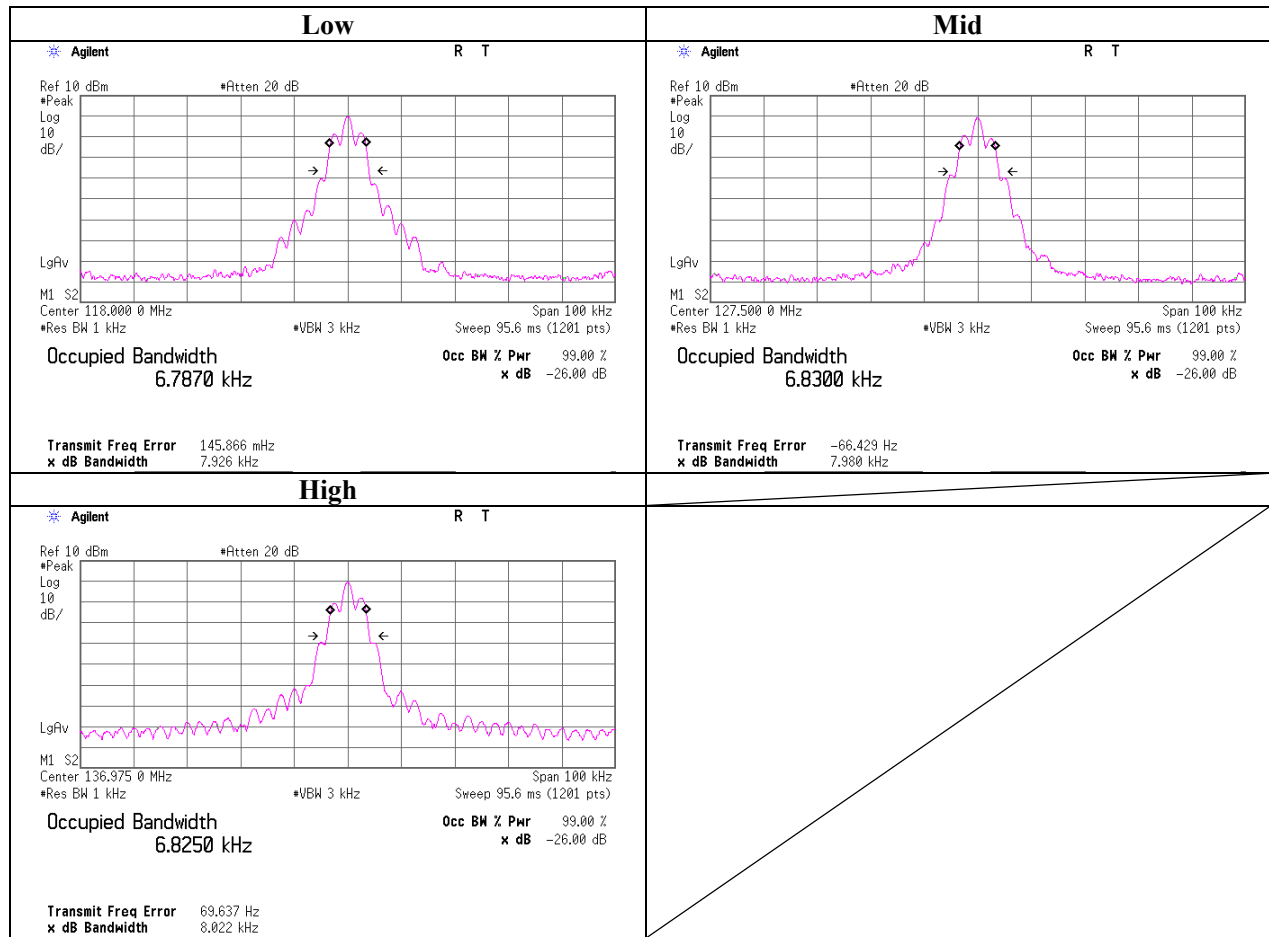
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99% Occupied Bandwidth (Conducted)

Company	Edmo Distributors, Inc.	UL Japan, Inc
Equipment	VHF AM TRANSCEIVER	Head Office EMC Lab. No.6 Shielded room
Model	FL-M1000A	Regulation
S/N	01	FCC part 87, Section 87.135, 87.137 /
Power	DC 31.0V	Part 2, Section 2.1049
Mode	Transmitting (Modulation ON)	TIA/EIA-603-C Section 2.2.11
	(Input Audio signal: -18.0dBV, 2.5kHz)	Test Distance
		Date
		Temperature
		Humidity
		Engineer



APPENDIX 3: Test Instruments

EMI test equipment (1/2)

Control No.	Instrument	Manufacturer	Model No	Serial No	Test Item	Calibration Date * Interval(month)
MOS-22	Thermo-Hygrometer	Custom	CTH-201	3	AT/RE	2009/02/05 * 12
MMM-01	Digital Tester	Fluke	FLUKE 26-3	78030611	AT	2008/08/27 * 12
MPM-11	Dual Power Meter	Agilent	E4419B	MY45102060	AT	2008/05/30 * 12
MPSE-15	Power sensor	Agilent	E9301A	MY41498311	AT	2008/05/30 * 12
MAT-54	Attenuator(40dB)	JFW	50FHC-040-20	-	AT	2008/06/10 * 12
MCC-64	Coaxial Cable	TOYO Technica Corporation	-	-	AT	2008/03/11 * 12
MDO-04	Digitizing Oscilloscope	Tektronix	TDS410A	B010603	AT	2008/05/07 * 12
MRENT-49	Audio Analyzer	KENWOOD	VA-2230	5040076	AT	2008/02/20 * 12
MTR-03	Test Receiver	Rohde & Schwarz	ESCI	100300	AT/RE	2008/04/02 * 12
MSG-05	Signal Generator	Agilent	E4438C	MY45090353	AT	2008/06/26 * 12
MAEC-02	Anechoic Chamber(NSA)	TDK	Semi Anechoic Chamber 3m	DA-06902	RE	2008/04/17 * 12
MJM-05	Measure	PROMART	SEN1955	-	RE	-
CUST-MSTW-14	EMI measurement program	TSJ	TEPTO-DV	-	RE	-
MRENT-62	Spectrum Analyzer	Agilent	E4448A	MY46180856	RE	2008/11/25 * 12
MBA-02	Biconical Antenna	Schwarzbeck	BBA9106	VHA91032008	RE	2008/10/18 * 12
MLA-02	Logperiodic Antenna	Schwarzbeck	USLP9143	201	RE	2008/10/18 * 12
MCC-12	Coaxial Cable	Fujikura/Agilent	-	-	RE	2009/02/16 * 12
MAT-07	Attenuator(6dB)	Weinschel Corp	2	BK7970	RE	2008/11/14 * 12
MPA-09	Pre Amplifier	Agilent	8447D	2944A10845	RE	2008/09/04 * 12
MUC-01	Universal Counter	Agilent	53132A	MY40008906	AT	2008/06/09 * 12
MSA-04	Spectrum Analyzer	Agilent	E4448A	US44300523	AT	2008/08/18 * 12
MCC-114	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	290212/4	AT	2008/08/01 * 12
MTA-32	Terminator	TME	CT-20NP	1318543E	RE	2008/06/10 * 12
MOS-14	Thermo-Hygrometer	Custom	CTH-180	-	AT	2009/02/04 * 12
MAEC-03	Anechoic Chamber(NSA)	TDK	Semi Anechoic Chamber 3m	DA-10005	RE	2009/02/02 * 12
MOS-13	Thermo-Hygrometer	Custom	CTH-180	-	RE	2009/02/06 * 12
MJM-06	Measure	PROMART	SEN1955	-	RE	-
MSA-09	Spectrum Analyzer	Advantest	R3273	95090115	RE	2008/12/24 * 12
MTR-08	Test Receiver	Rohde & Schwarz	ESCI	100767	RE	2008/06/12 * 12

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EMI test equipment (2/2)

Control No.	Instrument	Manufacturer	Model No	Serial No	Test Item	Calibration Date * Interval(month)
MBA-03	Biconical Antenna	Schwarzbeck	BBA9106	1915	RE	2009/01/19 * 12
MLA-03	Logperiodic Antenna	Schwarzbeck	USLP9143	174	RE	2009/01/10 * 12
MCC-51	Coaxial cable	UL Japan	-	-	RE	2008/07/18 * 12
MAT-30	Attenuator(6dB)	TME	UFA-01	-	RE	2009/03/02 * 12
MPA-13	Pre Amplifier	SONOMA INSTRUMENT	310	260834	RE	2008/03/06 * 12
MHA-20	Horn Antenna 1-18GHz	Schwarzbeck	BBHA9120D	258	RE	2008/04/23 * 12
MCC-56	Microwave Cable 1G- 26.5GHz	Suhner	SUCOFLEX104	174410(1m) / 284655(5m)	RE	2009/01/07 * 12
MPA-11	MicroWave System Amplifier	Agilent	83017A	MY39500779	RE	2008/03/13 * 12
MDPS-12	DC Power Supply	Kikusui	PAK35-10A	LF002314	AT	Pre Check
MCH-04	Temperature and Humidity Chamber	Espec	PL-2KP	14015723	AT	2008/08/27 * 12

The expiration date of the calibration is the end of the expired month.

All equipment is calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

As for some calibrations performed after the tested dates, those test equipment have been controlled by means of an unbroken chains of calibrations. Test Item:

- AT. Conducted emission at Antenna Terminals
- RE. Radiated emission

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