

FCC CERTIFICATION
On Behalf of
Mizco International Inc.

FM Transmitter
Model No.: MZ-J2XL

FCC ID: RZOMZ-J2XL

Prepared for : Mizco International Inc.
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Test Report Certification

Applicant : Mizco International Inc.
 Manufacturer : DAZA Electronics Company
 EUT Description : FM Transmitter
 (A) MODEL NO.: MZ-J2XL
 (B) SERIAL NO.: N/A
 (C) POWER SUPPLY: DC 12V (Power by Battery)

Measurement Procedure Used:

FCC Rules and Regulations Part 15 Subpart C Section 15.239 ANSI 63.4: 2009

The device described above is tested by ACCURATE TECHNOLOGY CO. LTD to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C Section 15.239 limits. The measurement results are contained in this test report and ACCURATE TECHNOLOGY CO. LTD is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of ACCURATE TECHNOLOGY CO. LTD.

Date of Test : March 11-16, 2013

Prepared by : Apple Lv
 (Engineer)

Approved & Authorized Signer : Heimle
 (Manager)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT	:	FM Transmitter
Model Number	:	MZ-J2XL
Power Supply	:	DC 12V (Power by Battery)
Operate Frequency	:	88.1-107.9MHz (step 0.2MHz)
Applicant	:	Mizco International Inc.
Address	:	80 Essex Avenue East Avenel New Jersey 07001 United States
Manufacturer	:	DAZA Electronics Company
Address	:	Bldg. G, Xinmusheng Low Carbon Industrial Park, No. 6 Xinmu Road, Pinghu, Longgang District, Shenzhen ,China
Date of sample received	:	March 11, 2013
Date of Test	:	March 11-16, 2013

1.2. Accessory and Auxiliary Equipment

USB Memory Disk	:	Manufacturer: Smartocean
(CE, FCC: DOC)	:	M/N: 3611(256M)
iPod	:	Manufacturer: Apple
	:	Model No.: A1199
	:	S/N: 7M6369W3VQ5

1.3.Description of Test Facility

EMC Lab : Accredited by TUV Rheinland Shenzhen

Listed by FCC
The Registration Number is 752051

Listed by Industry Canada
The Registration Number is 5077A-2

Accredited by China National Accreditation Committee
for Laboratories
The Certificate Registration Number is L3193

Name of Firm : ACCURATE TECHNOLOGY CO. LTD

Site Location : F1, Bldg. A, Changyuan New Material Port, Keyuan Rd.
Science & Industry Park, Nanshan, Shenzhen, Guangdong
P.R. China

1.4.Measurement Uncertainty

Conducted Emission Expanded Uncertainty = 2.23dB, k=2

Radiated emission expanded uncertainty = 3.08dB, k=2
(9kHz-30MHz)

Radiated emission expanded uncertainty = 4.42dB, k=2
(30MHz-1000MHz)

Radiated emission expanded uncertainty = 4.06dB, k=2
(Above 1GHz)

2. MEASURING DEVICE AND TEST EQUIPMENT

Table 1: List of Test and Measurement Equipment

Kind of equipment	Manufacturer	Type	S/N	Calibrated date	Calibrated until
EMI Test Receiver	Rohde&Schwarz	ESCS30	100307	Jan. 12, 2013	Jan. 11, 2014
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	Jan. 12, 2013	Jan. 11, 2014
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 12, 2013	Jan. 11, 2014
Pre-Amplifier	Rohde&Schwarz	CBLU118354 0-01	3791	Jan. 12, 2013	Jan. 11, 2014
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Feb. 6, 2013	Feb. 5, 2014
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Feb. 6, 2013	Feb. 5, 2014
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Feb. 6, 2013	Feb. 5, 2014
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	Feb. 6, 2013	Feb. 5, 2014
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 12, 2013	Jan. 11, 2014
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 12, 2013	Jan. 11, 2014
Battery	CSB	F2	HR1234W	--	--

3. SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
Section 15.207	Conducted Emission	N/A
Section 15.239(c) Section 15.209	Harmonics and Spurious Radiated Emission and Band Edge	Compliant
Section 15.239(b)	Fundamental Radiated Emission	Compliant
Section 15.239(a)	Occupied Bandwidth	Compliant
Section 15.239	Tuning Range	Compliant
Section 15.203	Antenna Requirement	Compliant

Remark: “N/A” means “Not applicable”.

4. HARMONICS AND SPURIOUS RADIATED EMISSION AND BAND EDGE FOR FCC PART 15 SECTION 15.239(C)

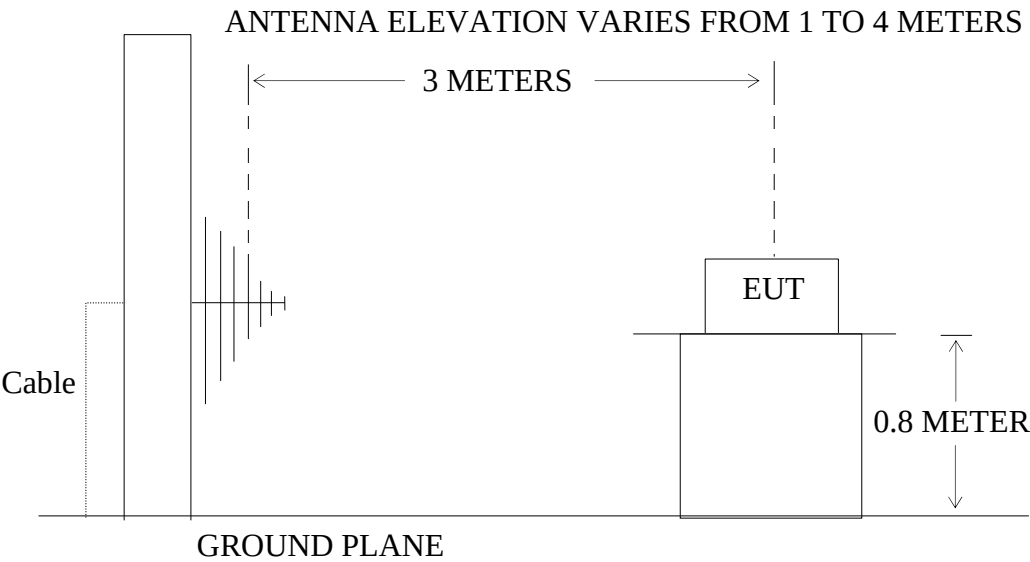
4.1. Block Diagram of Test Setup

4.1.1. Block diagram of connection between the EUT and simulators



(EUT: FM Transmitter)

4.1.2. Semi-Anechoic Chamber Test Setup Diagram



(EUT: FM Transmitter)

4.2.The Emission Limit for section 15.239(c)

4.2.1. The field strength of any emissions radiated on any frequency outside of the specified 200 kHz band shall not exceed the general radiated emission limits in Section 15.209.

Radiation Emission Measurement Limits According to Section 15.209

Frequency (MHz)	Limit,		The final measurement in band 9-90kHz, 110-490kHz and above 1000MHz is performed with Average detector. Except those frequency bands mention above, the final measurement for frequencies below 1000MHz is performed with Quasi Peak detector.
	Field Strength of Quasi-peak Value (microvolts/m)	Field Strength of Quasi-peak Value (dB μ V/m)	
30 - 88	100	40	
88 - 216	150	43.5	
216 - 960	200	46	
Above 960	500	54	

4.3.Configuration of EUT on Measurement

The following equipment are installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

4.3.1.FM Transmitter (EUT)

Model Number : MZ-J2XL
 Serial Number : N/A
 Manufacturer : DAZA Electronics Company

4.4. Operating Condition of EUT

4.4.1. Setup the EUT and simulator as shown as Section 4.1.

4.4.2. Turn on the power of all equipment.

4.4.3. Let the EUT work in TX modes [Connect EUT use Auxiliary Equipment (iPod and USB memory disk) playing typical audio signal with a 2.5 kHz tone at a level 16 dB higher than that required to produce a frequency deviation of 75 kHz] and measure it. The transmit frequency are 88.1-107.9MHz. We select 88.1MHz, 98.1MHz, 107.9MHz TX frequency to transmit.

4.5. Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4: 2009 on radiated emission measurement.

The bandwidth of test receiver is set at 120kHz in 30-1000MHz.

The frequency range from 30MHz to 1000MHz is checked.

The final measurement for frequencies below 1000MHz is performed with Quasi Peak detector.

4.6.The Field Strength of Radiation Emission Measurement Results

PASS.

The frequency range 30MHz to 1000MHz is investigated.

Date of Test:	March 11-12, 2013	Temperature:	25°C
EUT:	FM Transmitter	Humidity:	50%
Model No.:	MZ-J2XL	Power Supply:	DC 12V
	TX 88.1MHz (Connect to iPod's		
Test Mode:	Dock)	Test Engineer:	Bob

Harmonics and Spurious radiation emission

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.(dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	173.2050	55.35	-13.65	41.70	43.50	-1.80
Vertical	137.2050	51.60	-13.65	37.95	43.50	-5.55

Band edge

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.(dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	86.8559	31.55	-22.60	8.95	40.00	-31.50
Horizontal	88.0000	60.60	-22.63	37.97	40.00	-2.03
Horizontal	88.2000	60.00	-22.64	37.36	43.50	-6.14
Horizontal	89.7840	31.64	-22.68	8.96	43.50	-34.54
Vertical	86.1761	30.58	-22.57	8.01	40.00	-31.99
Vertical	88.0000	59.68	-22.63	37.05	40.00	-2.95
Vertical	88.2000	59.76	-22.64	37.12	43.50	-6.38
Vertical	89.7840	29.99	-22.68	7.31	43.50	-36.19

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$
3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	March 11-12, 2013	Temperature:	25°C
EUT:	FM Transmitter	Humidity:	50%
Model No.:	MZ-J2XL	Power Supply:	DC 12V
Test Mode:	TX 98.1MHz (Connect to iPod's Dock)	Test Engineer:	Bob

Harmonics and Spurious radiation emission

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.(dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	193.8163	53.93	-12.51	41.42	43.50	-2.80
Vertical	193.8163	50.88	-12.51	38.37	43.50	-5.13

Band edge

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.(dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	97.1280	30.14	-23.20	6.94	43.50	-36.56
Horizontal	98.0000	63.73	-23.36	40.37	43.50	-3.13
Horizontal	98.2000	62.54	-23.38	39.16	43.50	-4.34
Horizontal	98.8040	30.39	-23.49	6.90	43.50	-36.60
Vertical	96.4281	31.88	-23.08	8.80	43.50	-34.70
Vertical	98.0000	58.00	-23.36	34.64	43.50	-8.86
Vertical	98.2000	58.34	-23.38	34.96	43.50	-8.54
Vertical	99.1159	30.41	-23.55	6.86	43.50	-36.64

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$
3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	March 11-12, 2013	Temperature:	25°C
EUT:	FM Transmitter	Humidity:	50%
Model No.:	MZ-J2XL	Power Supply:	DC 12V
Test Mode:	TX 107.9MHz (Connect to iPod's Dock)	Test Engineer:	Bob

Harmonics and Spurious radiation emission

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.(dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	216.1194	52.75	-11.85	40.90	46.00	-5.10
Vertical	215.3616	51.48	-11.86	39.62	43.50	-3.88

Band edge

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.(dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	106.7840	33.60	-23.66	9.94	43.50	-33.56
Horizontal	107.8000	62.80	-23.51	39.29	43.50	-4.21
Horizontal	108.0000	62.46	-23.46	39.00	43.50	-4.50
Horizontal	108.8719	30.11	-23.33	6.78	43.50	-36.72
Vertical	106.2279	32.50	-23.75	8.75	43.50	-34.75
Vertical	107.8000	57.18	-23.51	33.67	43.50	-9.83
Vertical	108.0000	56.76	-23.46	33.30	43.50	-10.20
Vertical	109.1958	31.00	-23.29	7.71	43.50	-35.79

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$
3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	<u>March 11-12, 2013</u>	Temperature:	<u>25°C</u>
EUT:	<u>FM Transmitter</u>	Humidity:	<u>50%</u>
Model No.:	<u>MZ-J2XL</u>	Power Supply:	<u>DC 12V</u>
Test Mode:	<u>TX 88.1MHz (Connect to iPod's Headphone port(Line in))</u>	Test Engineer:	<u>Bob</u>

Harmonics and Spurious radiation emission

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.(dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	172.5974	53.84	-13.65	40.19	43.50	-3.31
Vertical	1732.050	52.11	-13.65	38.46	43.50	-5.04

Band edge

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.(dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	86.1800	30.22	-22.58	7.64	40.00	-32.36
Horizontal	88.0000	59.80	-22.63	37.17	40.00	-2.83
Horizontal	88.2000	60.90	-22.64	38.26	43.50	-5.24
Horizontal	89.7997	29.83	-22.68	7.15	43.50	-36.35
Vertical	86.6119	29.80	-22.59	7.21	40.00	-32.79
Vertical	88.0000	58.29	-22.63	35.66	40.00	-4.34
Vertical	88.2000	58.64	-22.64	36.00	43.50	-7.50
Vertical	89.8118	30.20	-22.68	7.52	43.50	-35.98

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$
3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	March 11-12, 2013	Temperature:	25°C
EUT:	FM Transmitter	Humidity:	50%
Model No.:	MZ-J2XL	Power Supply:	DC 12V
Test Mode:	TX 98.1MHz (Connect to iPod's Headphone port(Line in))	Test Engineer:	Bob

Harmonics and Spurious radiation emission

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.(dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	193.8163	53.32	-12.51	40.81	43.50	-2.69
Vertical	193.8163	49.21	-12.51	36.70	43.50	-6.80

Band edge

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.(dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	97.0520	31.55	-23.19	8.36	43.50	-35.14
Horizontal	98.0000	64.20	-23.36	40.84	43.50	-2.66
Horizontal	98.2000	64.40	-23.38	41.02	43.50	-2.48
Horizontal	98.7879	30.46	-23.49	6.97	43.50	-36.53
Vertical	97.1440	31.73	-23.20	8.53	43.50	-34.97
Vertical	98.0000	59.90	-23.36	36.54	43.50	-6.96
Vertical	98.2000	59.76	-23.38	36.38	43.50	-7.12
Vertical	99.1640	31.86	-23.56	8.30	43.50	-35.20

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$
3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	March 11-12, 2013	Temperature:	25°C
EUT:	FM Transmitter	Humidity:	50%
Model No.:	MZ-J2XL	Power Supply:	DC 12V
Test Mode:	TX 107.9MHz (Connect to iPod's Headphone port(Line in))	Test Engineer:	Bob

Harmonics and Spurious radiation emission

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.(dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	215.3616	51.43	-11.86	39.57	43.50	-3.93
Vertical	215.3616	40.15	-11.86	28.29	43.50	-15.21

Band edge

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.(dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	107.0678	36.22	-23.62	12.60	43.50	-30.90
Horizontal	107.8000	61.55	-23.51	38.04	43.50	-5.46
Horizontal	108.0000	62.40	-23.46	38.94	43.50	-4.56
Horizontal	109.1838	34.21	-23.29	10.92	43.50	-32.58
Vertical	107.0600	30.10	-23.62	6.48	43.50	-37.02
Vertical	107.8000	57.49	-23.51	33.98	43.50	-9.52
Vertical	108.0000	56.33	-23.46	32.87	43.50	-10.63
Vertical	108.4278	29.85	-23.40	6.45	43.50	-37.05

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$
3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	<u>March 11-12, 2013</u>	Temperature:	<u>25°C</u>
EUT:	<u>FM Transmitter</u>	Humidity:	<u>50%</u>
Model No.:	<u>MZ-J2XL</u>	Power Supply:	<u>DC 12V</u>
Test Mode:	<u>TX 88.1MHz (Connect to USB memory disk)</u>	Test Engineer:	<u>Bob</u>

Harmonics and Spurious radiation emission

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.(dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	173.2050	54.67	-13.65	41.02	43.50	-2.48
Vertical	173.2050	51.38	-13.65	37.73	43.50	-5.77

Band edge

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.(dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	86.8919	30.25	-22.60	7.65	40.00	-32.35
Horizontal	88.0000	60.55	-22.63	37.92	40.00	-2.08
Horizontal	88.2000	61.84	-22.64	39.20	43.50	-4.30
Horizontal	89.7920	31.28	-22.68	8.60	43.50	-34.90
Vertical	87.2878	28.22	-22.61	5.61	40.00	-34.39
Vertical	88.0000	57.93	-22.63	35.30	40.00	-4.70
Vertical	88.2000	58.46	-22.64	35.82	43.50	-7.68
Vertical	89.7840	29.67	-22.68	6.99	43.50	-36.51

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$
3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	March 11-12, 2013	Temperature:	25°C
EUT:	FM Transmitter	Humidity:	50%
Model No.:	MZ-J2XL	Power Supply:	DC 12V
Test Mode:	TX 98.1MHz (Connect to USB memory disk)	Test Engineer:	Bob

Harmonics and Spurious radiation emission

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.(dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	193.8163	53.85	-12.51	41.34	43.50	-2.16
Vertical	193.8163	48.03	-12.51	35.52	43.50	-7.98

Band edge

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.(dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	96.4240	31.58	-23.08	8.50	43.50	-35.00
Horizontal	98.0000	63.14	-23.36	39.78	43.50	-3.72
Horizontal	98.2000	63.81	-23.38	40.43	43.50	-3.07
Horizontal	99.5759	32.64	-23.62	9.02	43.50	-34.48
Vertical	97.5798	31.73	-23.28	8.45	42.50	-35.05
Vertical	98.0000	58.75	-23.36	35.39	43.50	-8.11
Vertical	98.2000	58.37	-23.38	34.99	43.50	-8.51
Vertical	98.5558	31.68	-23.45	8.23	43.50	-35.27

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$
3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	March 11-12, 2013	Temperature:	25°C
EUT:	FM Transmitter	Humidity:	50%
Model No.:	MZ-J2XL	Power Supply:	DC 12V
Test Mode:	TX 107.9MHz (Connect to USB memory disk)	Test Engineer:	Bob

Harmonics and Spurious radiation emission

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.(dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	215.3616	51.90	-11.86	40.04	43.50	-3.46
Vertical	215.3616	50.04	-11.86	38.18	43.50	-5.32

Band edge

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.(dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	106.2240	33.22	-23.75	9.47	43.50	-34.03
Horizontal	107.8000	64.00	-23.51	40.49	43.50	-3.01
Horizontal	108.0000	63.94	-23.46	40.48	43.50	-3.02
Horizontal	108.9200	32.50	-23.33	9.17	43.50	-34.33
Vertical	106.6440	30.25	-23.68	6.57	43.50	-36.93
Vertical	107.8000	56.89	-23.51	33.38	43.50	-10.12
Vertical	108.0000	56.66	-23.46	33.20	43.50	-10.30
Vertical	108.8640	30.80	-23.34	7.46	43.50	-36.4

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

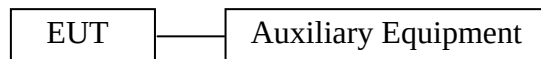
$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$
3. The spectral diagrams in appendix I display the measurement of peak values.

5. FUNDAMENTAL RADIATED EMISSION FOR FCC PART 15

SECTION 15.239(B)

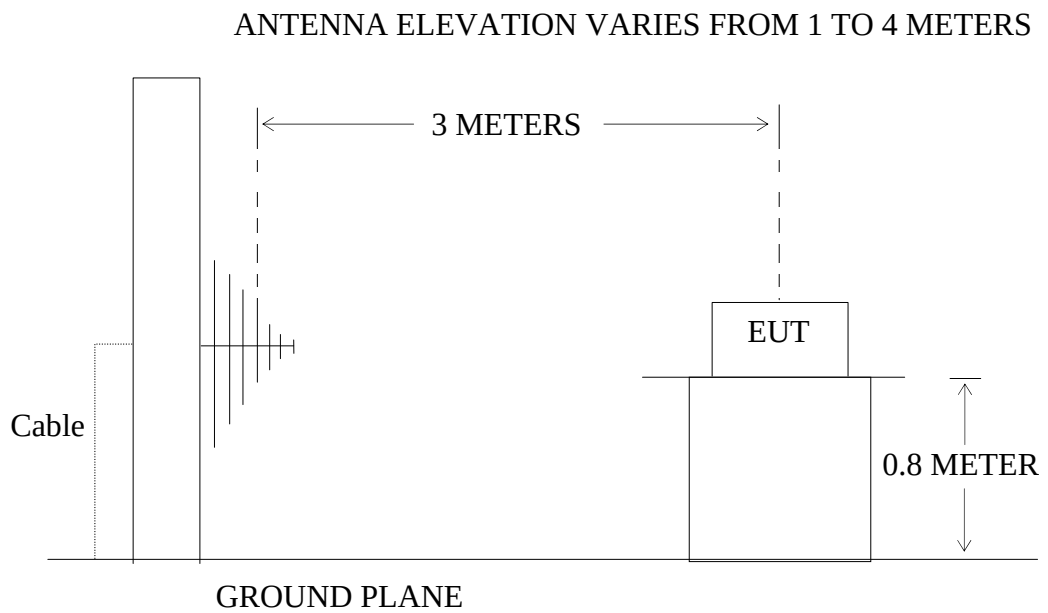
5.1. Block Diagram of Test Setup

5.1.1. Block diagram of connection between the EUT and simulators



(EUT: FM Transmitter)

5.1.2. Semi-Anechoic Chamber Test Setup Diagram



(EUT: FM Transmitter)

5.2. The Emission Limit For Section 15.239(b)

5.2.1. The field strength of any emission within the permitted 200kHz band shall not exceed 250microvolts/meter at 3 meters. The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in section 15.35 for limiting peak emissions apply.

5.3.EUT Configuration on Measurement

The following equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

5.3.1.FM Transmitter (EUT)

Model Number : MZ-J2XL
Serial Number : N/A
Manufacturer : DAZA Electronics Company

5.4.Operating Condition of EUT

5.4.1.Setup the EUT and simulator as shown as Section 5.1.

5.4.2.Turn on the power of all equipment.

5.4.3. Let the EUT work in TX modes [Connect EUT use Auxiliary Equipment (iPod and USB memory disk) playing typical audio signal with a 2.5 kHz tone at a level 16 dB higher than that required to produce a frequency deviation of 75 kHz] and measure it. The transmit frequency are 88.1-107.9MHz. We select 88.1MHz, 98.1MHz, 107.9MHz TX frequency to transmit.

5.5.Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4: 2009 on radiated emission measurement.

The bandwidth of test receiver is set at 300kHz.

5.6.The Emission Measurement Result

PASS.

Date of Test:	March 11-12, 2013	Temperature:	25°C
EUT:	FM Transmitter	Humidity:	50%
Model No.:	MZ-J2XL	Power Supply:	DC 12V
Test Mode:	TX 88.1MHz (Connect to iPod's dock)	Test Engineer:	Bob

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor (dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin (dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
88.1000	56.80	59.82	-13.19	43.61	46.63	48.00	68.00	-4.39	-21.37	Horizontal
88.1000	54.50	57.44	-13.19	41.31	44.25	48.00	68.00	-6.69	-23.75	Vertical

Note:

1. Measurement was performed with modulated signal with average detector and peak detector.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$
3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	March 11-12, 2013	Temperature:	25°C
EUT:	FM Transmitter	Humidity:	50%
Model No.:	MZ-J2XL	Power Supply:	DC 12V
Test Mode:	TX 98.1MHz (Connect to iPod's dock)	Test Engineer:	Bob

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor (dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin (dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
98.1000	52.36	56.37	-12.39	39.97	43.98	48.00	68.00	-8.03	-24.02	Horizontal
98.1000	50.20	53.65	-12.39	37.81	41.26	48.00	68.00	-10.19	-26.74	Vertical

Note:

- Measurement was performed with modulated signal with average detector and peak detector.
- The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$
- The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	March 11-12, 2013	Temperature:	25°C
EUT:	FM Transmitter	Humidity:	50%
Model No.:	MZ-J2XL	Power Supply:	DC 12V
Test Mode:	TX 107.9MHz (Connect to iPod's dock)	Test Engineer:	Bob

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor (dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin (dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
107.9000	56.07	59.14	-12.92	43.15	46.22	48.00	68.00	-4.85	-21.78	Horizontal
107.9000	54.71	57.77	-12.92	41.79	44.85	48.00	68.00	-6.21	-3.15	Vertical

Note:

1. Measurement was performed with modulated signal with average detector and peak detector.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$
3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	March 11-12, 2013	Temperature:	25°C
EUT:	FM Transmitter	Humidity:	50%
Model No.:	MZ-J2XL	Power Supply:	DC 12V
Test Mode:	TX 88.1MHz (Connect to iPod's Headphone port(Line in))	Test Engineer:	Bob

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor (dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin (dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
88.1000	56.54	59.59	-13.19	43.35	46.40	48.00	68.00	-4.65	-21.60	Horizontal
88.1000	53.64	56.88	-13.19	40.45	43.69	48.00	68.00	-7.55	-24.31	Vertical

Note:

- Measurement was performed with modulated signal with average detector and peak detector.
- The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$
- The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	March 11-12, 2013	Temperature:	25°C
EUT:	FM Transmitter	Humidity:	50%
Model No.:	MZ-J2XL	Power Supply:	DC 12V
Test Mode:	TX 98.1MHz (Connect to iPod's Headphone port(Line in))	Test Engineer:	Bob

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor (dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin (dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
98.1000	54.81	57.98	-12.39	42.42	45.59	48.00	68.00	-5.58	-2.41	Horizontal
98.1000	52.47	55.68	-12.39	40.08	43.29	48.00	68.00	-7.92	-24.71	Vertical

Note:

1. Measurement was performed with modulated signal with average detector and peak detector.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$
3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	March 11-12, 2013	Temperature:	25°C
EUT:	FM Transmitter	Humidity:	50%
Model No.:	MZ-J2XL	Power Supply:	DC 12V
Test Mode:	TX 107.9MHz (Connect to iPod's Headphone port(Line in))	Test Engineer:	Bob

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor (dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin (dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
107.9000	56.26	59.68	-12.92	43.34	46.76	48.00	68.00	-4.66	-21.24	Horizontal
107.9000	55.10	58.36	-12.92	42.18	45.44	48.00	68.00	-5.82	-22.56	Vertical

Note:

1. Measurement was performed with modulated signal with average detector and peak detector.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$
3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	March 11-12, 2013	Temperature:	25°C
EUT:	FM Transmitter	Humidity:	50%
Model No.:	MZ-J2XL	Power Supply:	DC 12V
Test Mode:	TX 88.1MHz (Connect to USB memory disk)	Test Engineer:	Bob

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor (dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin (dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
88.1000	56.79	59.40	-13.19	43.60	46.21	48.00	68.00	-4.40	-21.79	Horizontal
88.1000	54.46	57.06	-13.19	41.27	43.87	48.00	68.00	-6.73	-24.13	Vertical

Note:

- Measurement was performed with modulated signal with average detector and peak detector.
- The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$
- The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	March 11-12, 2013	Temperature:	25°C
EUT:	FM Transmitter	Humidity:	50%
Model No.:	MZ-J2XL	Power Supply:	DC 12V
Test Mode:	TX 98.1MHz (Connect to USB memory disk)	Test Engineer:	Bob

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor (dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin (dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
98.1000	55.71	58.72	-12.39	43.32	46.33	48.00	68.00	-4.68	-21.67	Horizontal
98.1000	52.71	55.93	-12.93	40.32	43.54	48.00	68.00	-7.68	-24.46	Vertical

Note:

- Measurement was performed with modulated signal with average detector and peak detector.
- The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$
- The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	March 11-12, 2013	Temperature:	25°C
EUT:	FM Transmitter	Humidity:	50%
Model No.:	MZ-J2XL	Power Supply:	DC 12V
Test Mode:	TX 107.9MHz (Connect to USB memory disk)	Test Engineer:	Bob

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor (dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin (dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
107.9000	56.48	59.21	-12.92	43.56	46.29	48.00	68.00	-4.44	-21.71	Horizontal
107.9000	52.15	55.65	-12.92	39.23	42.73	48.00	68.00	-8.77	-25.27	Vertical

Note:

1. Measurement was performed with modulated signal with average detector and peak detector.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$
3. The spectral diagrams in appendix I display the measurement of peak values.

6. OCCUPIED BANDWIDTH FOR FCC PART 15 SECTION

15.239(A)

6.1.The Requirement For Section 15.239(a)

6.1.1. Emission from the device shall be confined within a band 200kHz wide centered on the operating frequency. The 200kHz band shall lie wholly within the frequency range of 88-108MHz.

6.2.EUT Configuration on Measurement

The following equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

6.2.1.FM Transmitter (EUT)

Model Number : MZ-J2XL
Serial Number : N/A
Manufacturer : DAZA Electronics Company

6.3. Operating Condition of EUT

6.3.1. Setup the EUT and simulator as shown as Section 5.1.

6.3.2. Turn on the power of all equipment.

6.3.3. Let the EUT work in TX modes [Connect EUT use Auxiliary Equipment (iPod and USB memory disk) playing typical audio signal with a 2.5 kHz tone at a level 16 dB higher than that required to produce a frequency deviation of 75 kHz] measure it. The transmit frequency are 88.1-107.9MHz. We are select 88.1MHz, 98.1Mhz, 107.9MHz TX frequency to transmit.

6.4. Test Procedure

6.4.1. The EUT was placed on a turn table which is 0.8m above ground plane.

6.4.2. Set EUT as normal operation. Playing typical audio signal with a 2.5 kHz tone at a level 16 dB higher than that required to produce a frequency deviation of 75 kHz

6.4.3. Set EMI test receiver Center Frequency = fundamental frequency, RBW= 3kHz, VBW= 10kHz, Span=300kHz.

6.4.4. Set EMI test receiver Max hold. Mark peak, -26dB.

6.5. Test Result

The EUT does meet the FCC requirement.

Connect to iPod's dock

Frequency (MHz)	Occupied Bandwidth (kHz)
88.1	88.8
98.1	87.0
107.9	81.0

Connect to iPod's Headphone port(Line in)

Frequency (MHz)	Occupied Bandwidth (kHz)
88.1	84.0
98.1	82.8
107.9	85.2

Connect to USB memory disk

Frequency (MHz)	Occupied Bandwidth (kHz)
88.1	84.0
98.1	79.2
107.9	84.6

The spectral diagrams in appendix I.

7. TUNING RANGE

7.1.The Requirement For Section 15.239

88-108MHz

7.2.EUT Configuration on Measurement

The following equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

7.2.1. FM Transmitter (EUT)

Model Number : MZ-J2XL
 Serial Number : N/A
 Manufacturer : DAZA Electronics Company

7.3.Operating Condition of EUT

7.3.1.Setup the EUT and simulator as shown as Section 5.1.

7.3.2.Turn on the power of all equipment.

7.3.3. Let the EUT work in TX modes [Connect EUT use Auxiliary Equipment (iPod and USB memory disk) playing typical audio signal with a 2.5 kHz tone at a level 16 dB higher than that required to produce a frequency deviation of 75 kHz] measure it. The transmit frequency are 88.1-107.9MHz. We are select 88.1MHz, 98.1MHz, 107.9MHz TX frequency to transmit.

7.4.Test Procedure

7.4.1.The EUT was placed on a turn table which is 0.8m above ground plane.

7.4.2.Set the EUT working on the working frequency.

7.4.3. Set EMI test receiver center frequency = working frequency, RBW=3kHz, VBW= 10kHz, Span=300kHz.

7.4.4.Measuring the working frequency.

7.4.5.The working frequency should be inside 88-108MHz.

7.5. Test Result

The EUT does meet the FCC requirement.

Connect to iPod's dock

Display of the EUT LED (MHz)	Display of the EMI test receiver (MHz)
88.1	88.1562
98.1	98.0568
107.9	107.8598

Connect to iPod's Headphone port(Line in)

Display of the EUT LED (MHz)	Display of the EMI test receiver (MHz)
88.1	88.1580
98.1	98.0592
107.9	107.8580

Connect to USB memory disk

Display of the EUT LED (MHz)	Display of the EMI test receiver (MHz)
88.1	88.1586
98.1	98.0610
107.9	107.8580

The working frequency rang is from 88.1 to 107.9MHz.

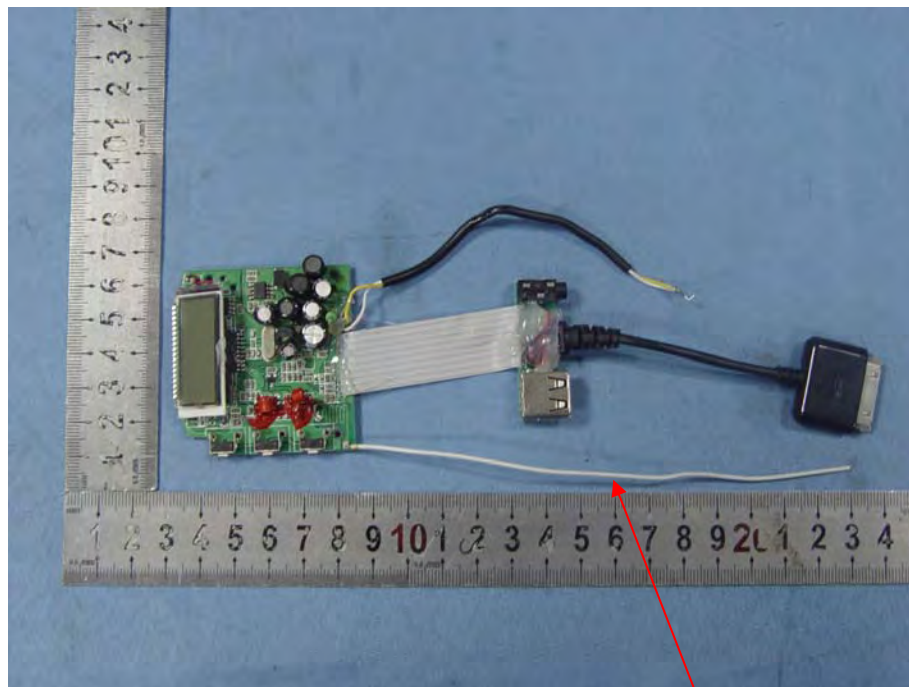
8. ANTENNA REQUIREMENT

8.1.The Requirement

According to Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

8.2.Antenna Construction

Device is equipped with unique antenna, which isn't displaced by other antenna. Therefore, the equipment complies with the antenna requirement.



Antenna

APPENDIX I (Test Curves)



ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: STAR #3955

Standard: FCC PART 15 (FMT)

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: FM transmitter

Mode: FM 88.1MHz (Connect to iPod's dock)

Model: MZ-J2XL

Manufacturer: DAZA

Polarization: Horizontal

Power Source: DC 12V

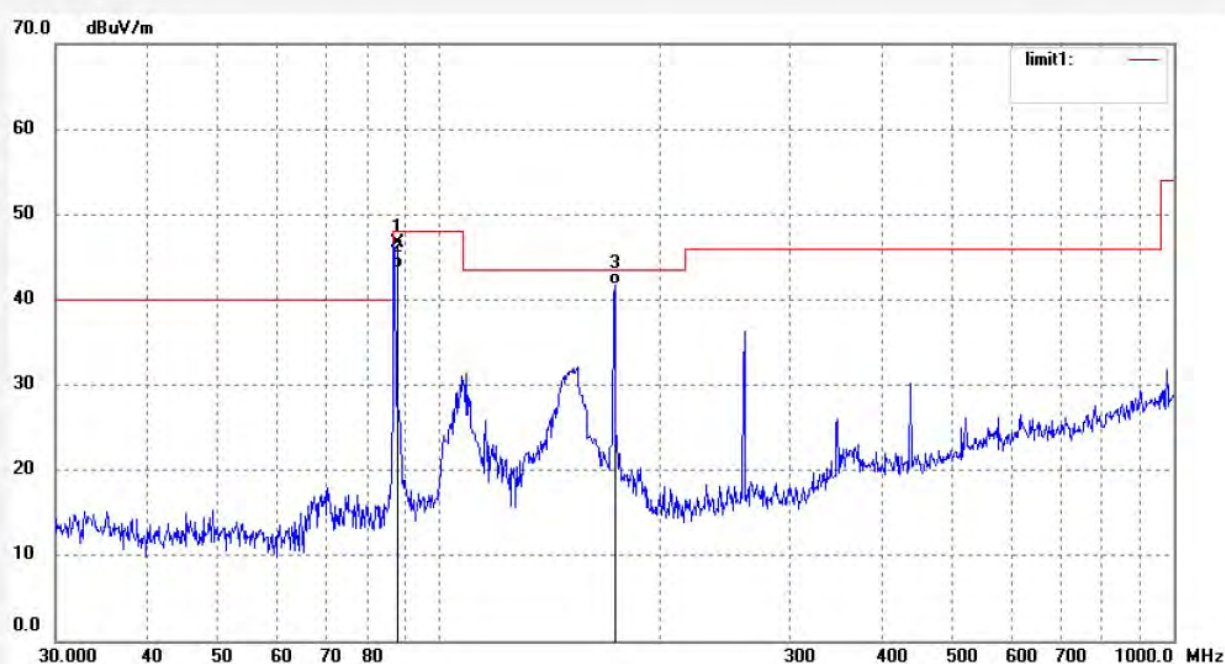
Date: 13/03/11/

Time: 16/36/53

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	88.1000	59.82	-13.19	46.63	68.00	-21.37	peak			
2	88.1000	56.80	-13.19	43.61	48.00	-4.39	AVG			
3	173.2050	55.35	-13.65	41.70	43.50	-1.80	QP			



ACCURATE TECHNOLOGY CO., LTD.

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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: STAR #3954

Standard: FCC PART 15 (FMT)

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: FM transmitter

Mode: FM 88.1MHz (Connect to iPod's dock)

Model: MZ-J2XL

Manufacturer: DAZA

Polarization: Vertical

Power Source: DC 12V

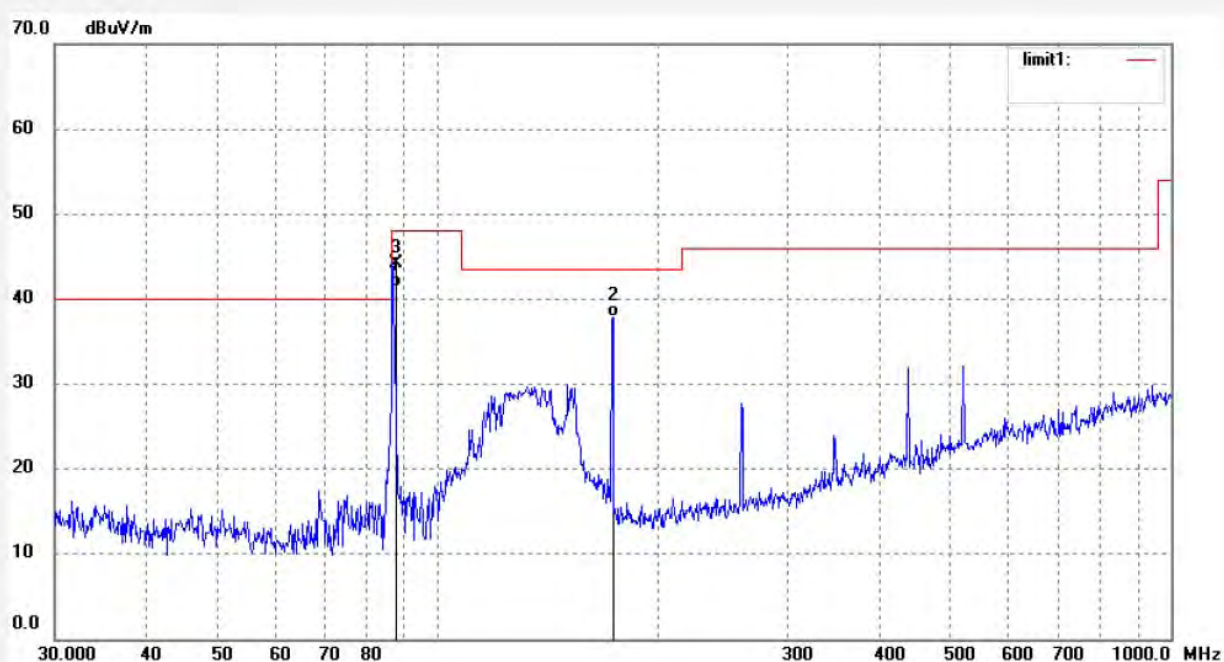
Date: 13/03/11/

Time: 16/32/29

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	88.1000	54.50	-13.19	41.31	48.00	-6.69	AVG			
2	173.2050	51.60	-13.65	37.95	43.50	-5.55	QP			
3	88.1000	57.44	-13.19	44.25	68.00	-23.75	peak			



ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: STAR #3959

Standard: FCC PART 15 (FMT)

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: FM transmitter

Mode: FM 98.1MHz (Connect to iPod's dock)

Model: MZ-J2XL

Manufacturer: DAZA

Polarization: Horizontal

Power Source: DC 12V

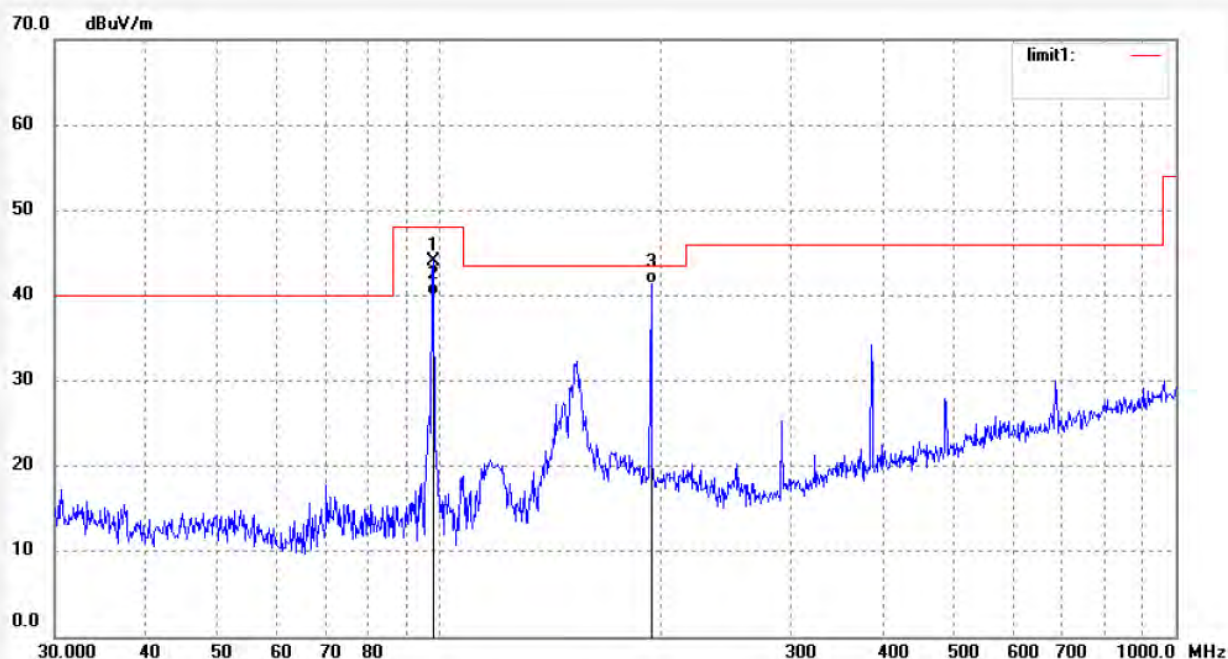
Date: 13/03/11/

Time: 16/45/06

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	98.1000	56.37	-12.39	43.98	68.00	-24.02	peak			
2	98.1000	52.36	-12.39	39.97	48.00	-8.03	AVG			
3	193.8163	53.93	-12.51	41.42	43.50	-2.08	QP			



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Fax:+86-0755-26503396

Job No.: STAR #3958

Standard: FCC PART 15 (FMT)

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: FM transmitter

Mode: FM 98.1MHz (Connect to iPod's dock)

Model: MZ-J2XL

Manufacturer: DAZA

Polarization: Vertical

Power Source: DC 12V

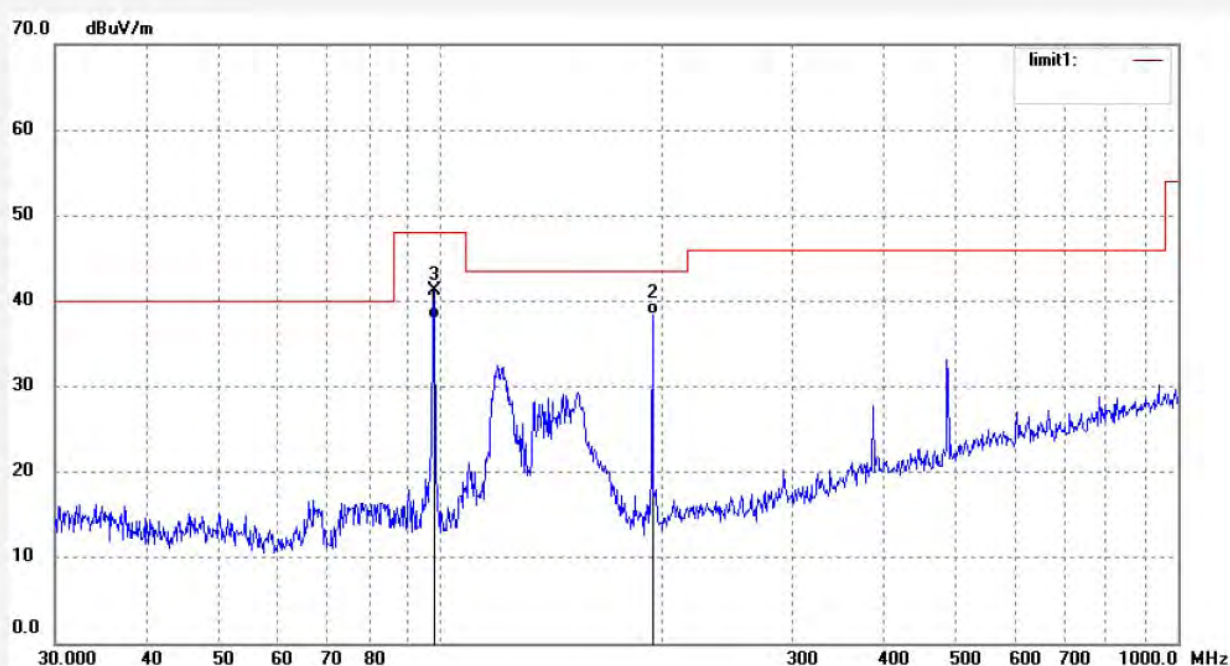
Date: 13/03/11/

Time: 16/40/36

Engineer Signature:

Distance: 3m

Note: Report No.: ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	98.1000	50.20	-12.39	37.81	48.00	-10.19	AVG			
2	193.8163	50.88	-12.51	38.37	43.50	-5.13	QP			
3	98.1000	53.65	-12.39	41.26	68.00	-26.74	peak			



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Job No.: STAR #3951

Standard: FCC PART 15 (FMT)

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: FM transmitter

Mode: FM 107.9MHz (Connect to iPod's dock)

Model: MZ-J2XL

Manufacturer: DAZA

Polarization: Horizontal

Power Source: DC 12V

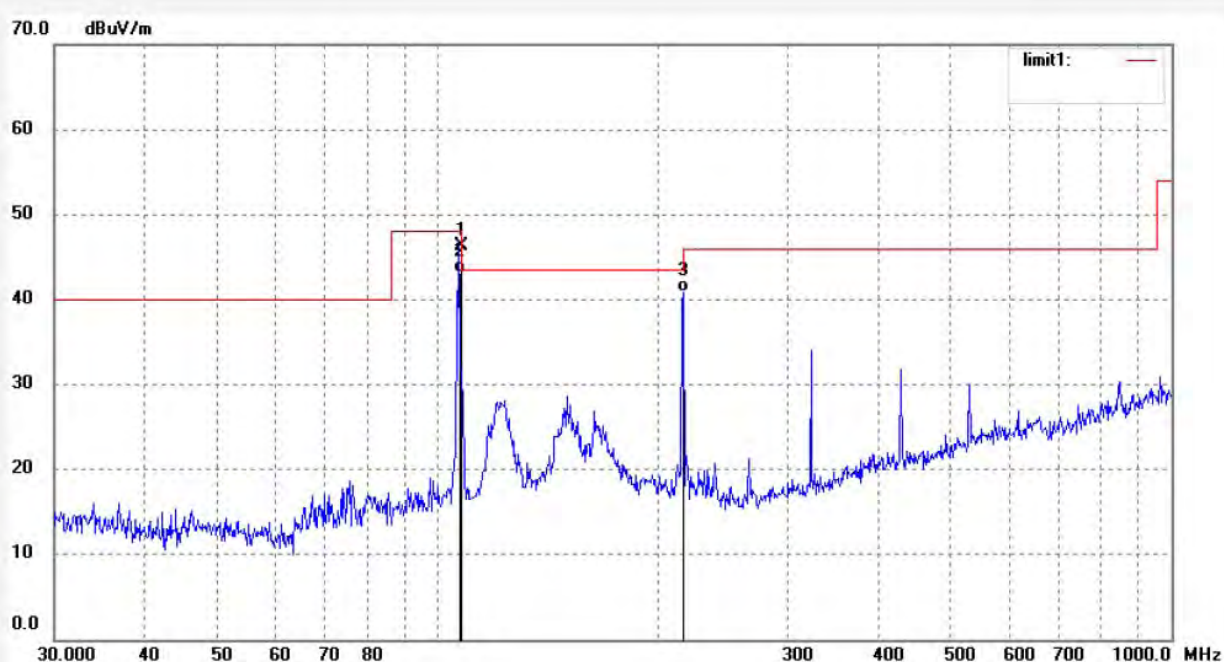
Date: 13/03/11/

Time: 16/29/16

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	107.9000	59.14	-12.92	46.22	68.00	-21.78	peak			
2	107.9000	56.07	-12.92	43.15	48.00	-4.85	AVG			
3	216.1194	52.75	-11.85	40.90	46.00	-5.10	QP			



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Job No.: STAR #3950

Standard: FCC PART 15 (FMT)

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: FM transmitter

Mode: FM 107.9MHz (Connect to iPod's dock)

Model: MZ-J2XL

Manufacturer: DAZA

Polarization: Vertical

Power Source: DC 12V

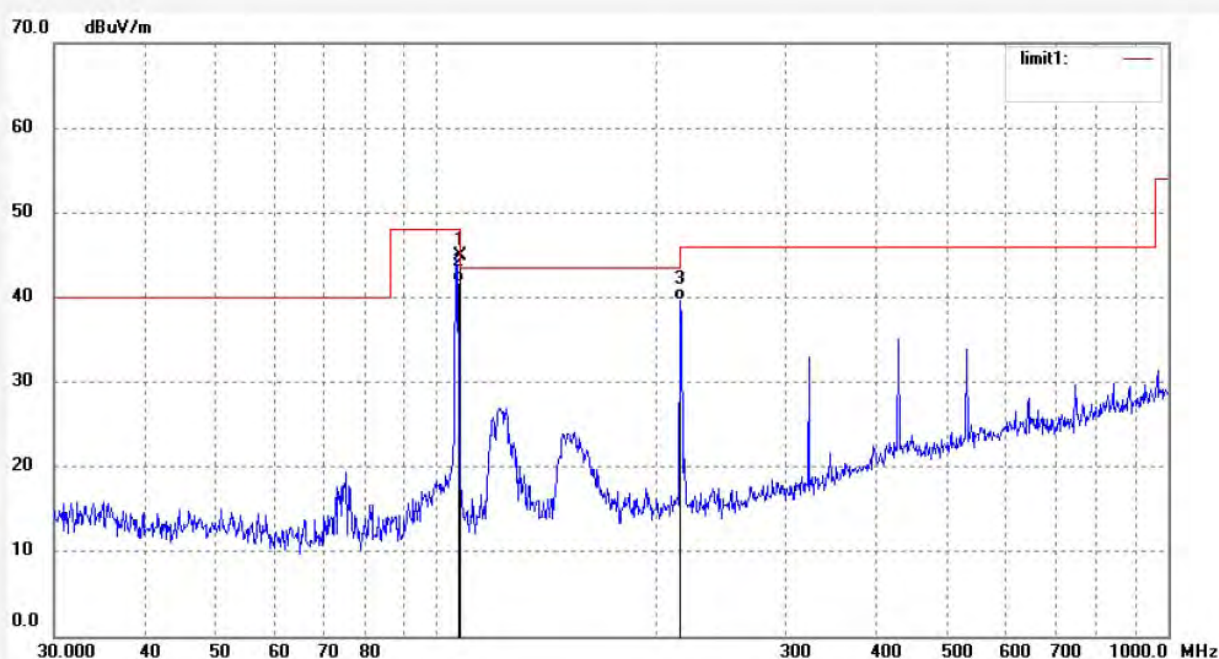
Date: 13/03/11/

Time: 16/25/39

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	107.9000	57.77	-12.92	44.85	68.00	-23.15	peak			
2	107.9000	54.71	-12.92	41.79	48.00	-6.21	AVG			
3	215.3616	51.48	-11.86	39.62	43.50	-3.88	QP			



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Job No.: STAR #3939

Standard: FCC PART 15 (FMT)

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: FM transmitter

Mode: FM 88.1MHz(Connect to iPod's Headphone port(Line in))

Model: MZ-J2XL

Manufacturer: DAZA

Polarization: Horizontal

Power Source: DC 12V

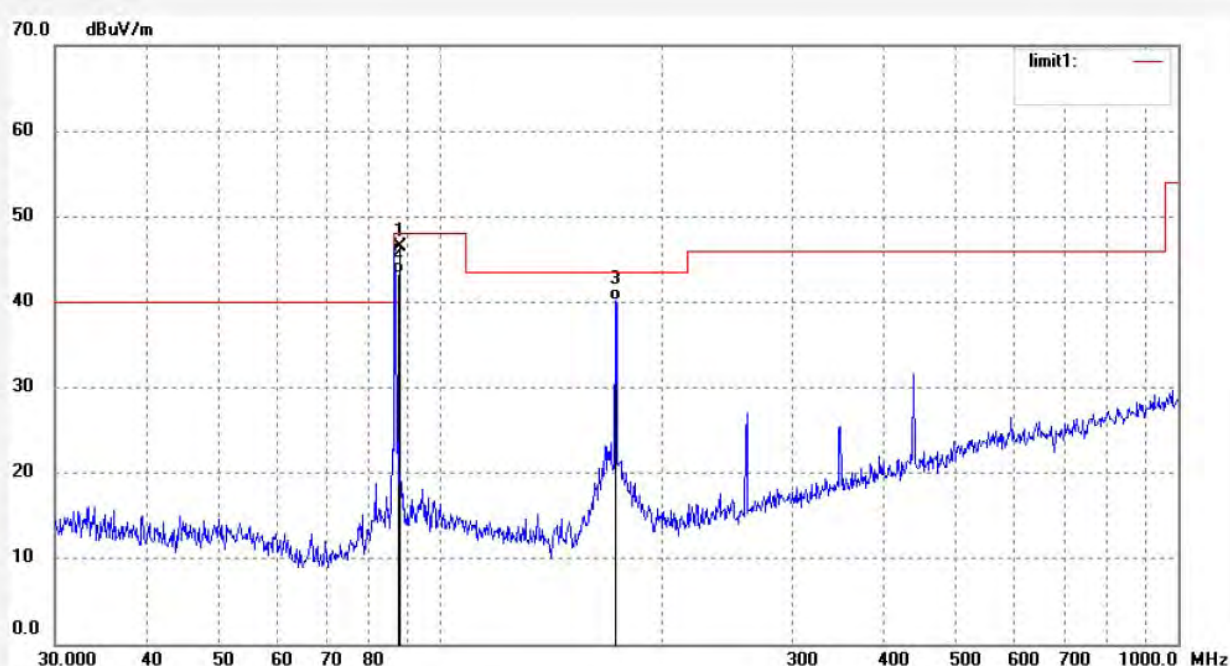
Date: 13/03/11/

Time: 15/49/37

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	88.1000	59.59	-13.19	46.40	68.00	-21.60	peak			
2	88.1000	56.54	-13.19	43.35	48.00	-4.65	AVG			
3	172.5974	53.84	-13.65	40.19	43.50	-3.31	QP			



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Job No.: STAR #3938

Standard: FCC PART 15 (FMT)

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: FM transmitter

Mode: FM 88.1MHz (Connect to iPod's Headphone port(Line in))

Model: MZ-J2XL

Manufacturer: DAZA

Polarization: Vertical

Power Source: DC 12V

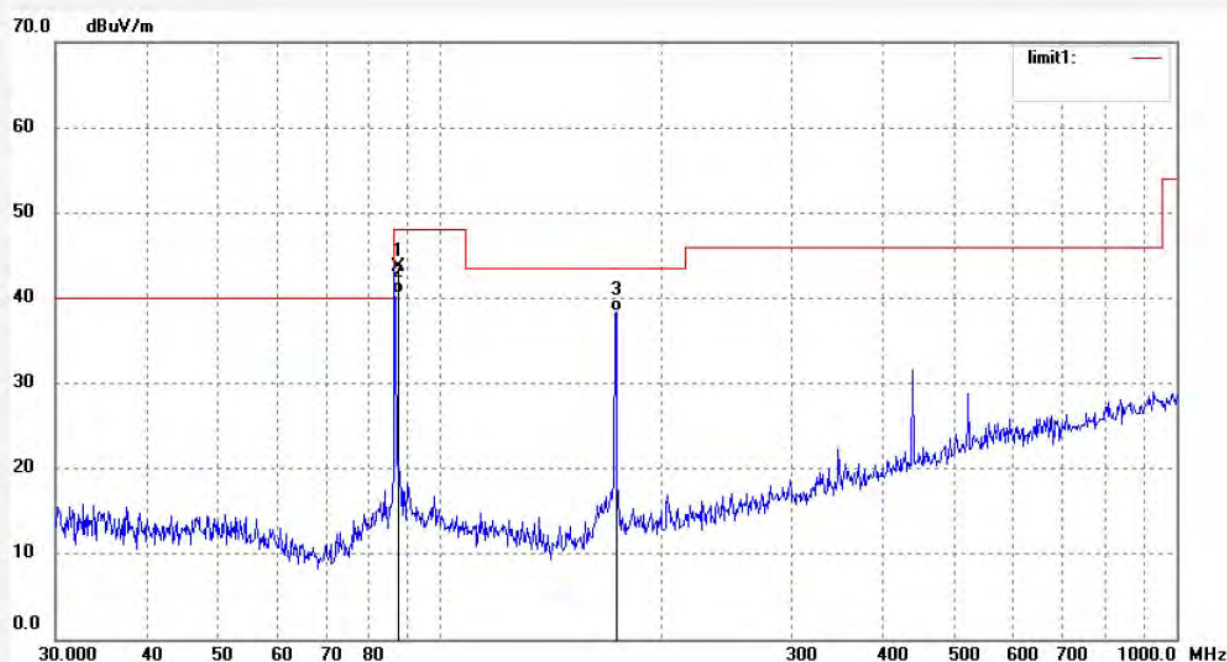
Date: 13/03/11/

Time: 15/46/06

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	88.1000	56.88	-13.19	43.69	68.00	-24.31	peak			
2	88.1000	53.64	-13.19	40.45	48.00	-7.55	AVG			
3	173.2050	52.11	-13.65	38.46	43.50	-5.04	QP			



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Job No.: STAR #3940

Standard: FCC PART 15 (FMT)

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: FM transmitter

Mode: FM 98.1MHz (Connect to iPod's Headphone port(Line in))

Model: MZ-J2XL

Manufacturer: DAZA

Polarization: Horizontal

Power Source: DC 12V

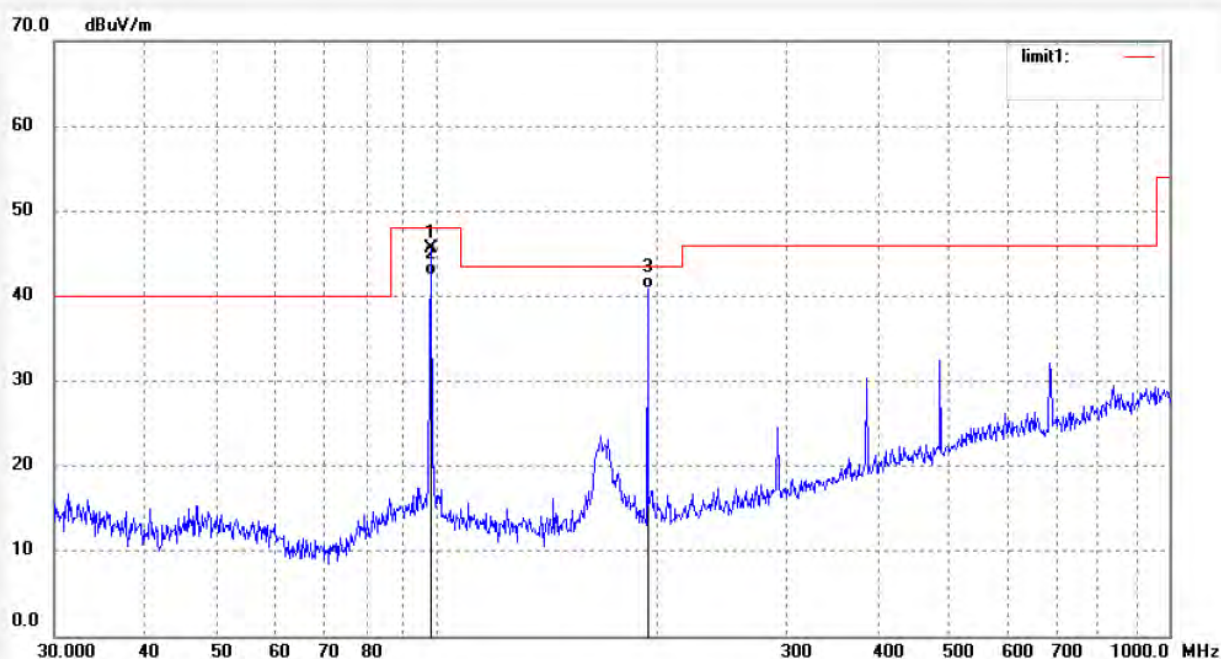
Date: 13/03/11/

Time: 15/53/55

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	98.1000	57.98	-12.39	45.59	68.00	-22.41	peak			
2	98.1000	54.81	-12.39	42.42	48.00	-5.58	AVG			
3	193.8163	53.32	-12.51	40.81	43.50	-2.69	QP			



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Job No.: STAR #3941

Standard: FCC PART 15 (FMT)

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: FM transmitter

Mode: FM 98.1MHz (Connect to iPod's Headphone port(Line in))

Model: MZ-J2XL

Manufacturer: DAZA

Polarization: Vertical

Power Source: DC 12V

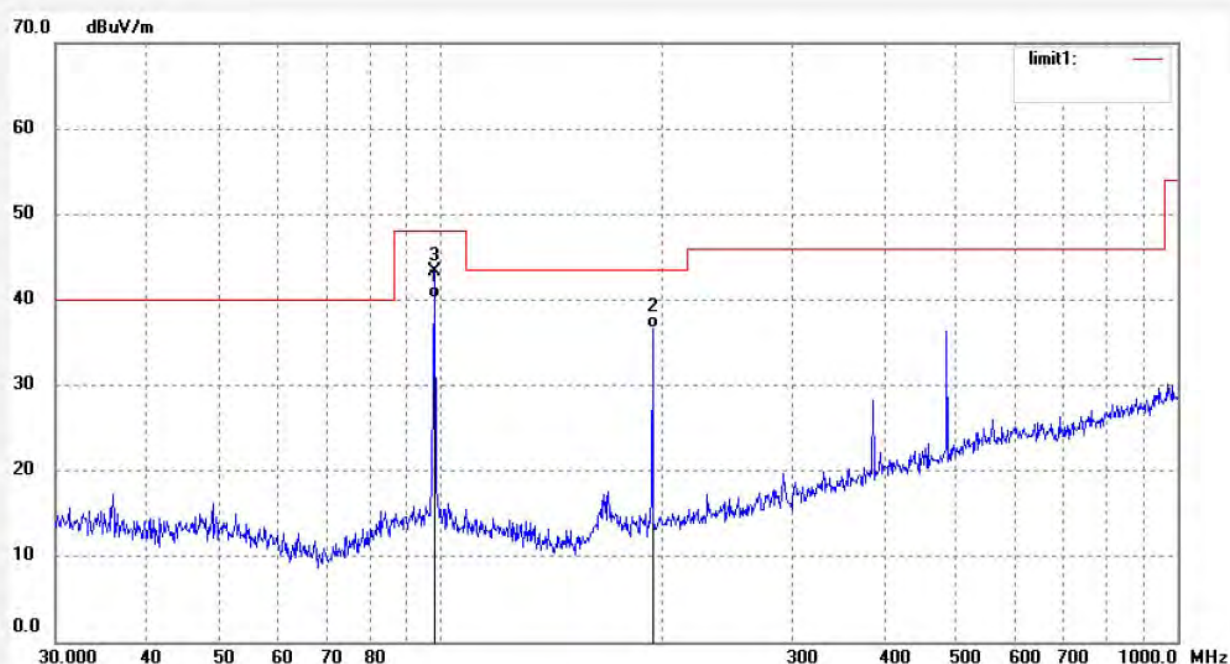
Date: 13/03/11/

Time: 15/56/33

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	98.1000	52.47	-12.39	40.08	48.00	-7.92	AVG			
2	193.8163	49.21	-12.51	36.70	43.50	-6.80	QP			
3	98.1000	55.68	-12.39	43.29	68.00	-24.71	peak			



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Job No.: STAR #3936

Standard: FCC PART 15 (FMT)

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: FM transmitter

Mode: FM 107.9MHz (Connect to iPod's Headphone port(Line in))

Model: MZ-J2XL

Manufacturer: DAZA

Polarization: Horizontal

Power Source: DC 12V

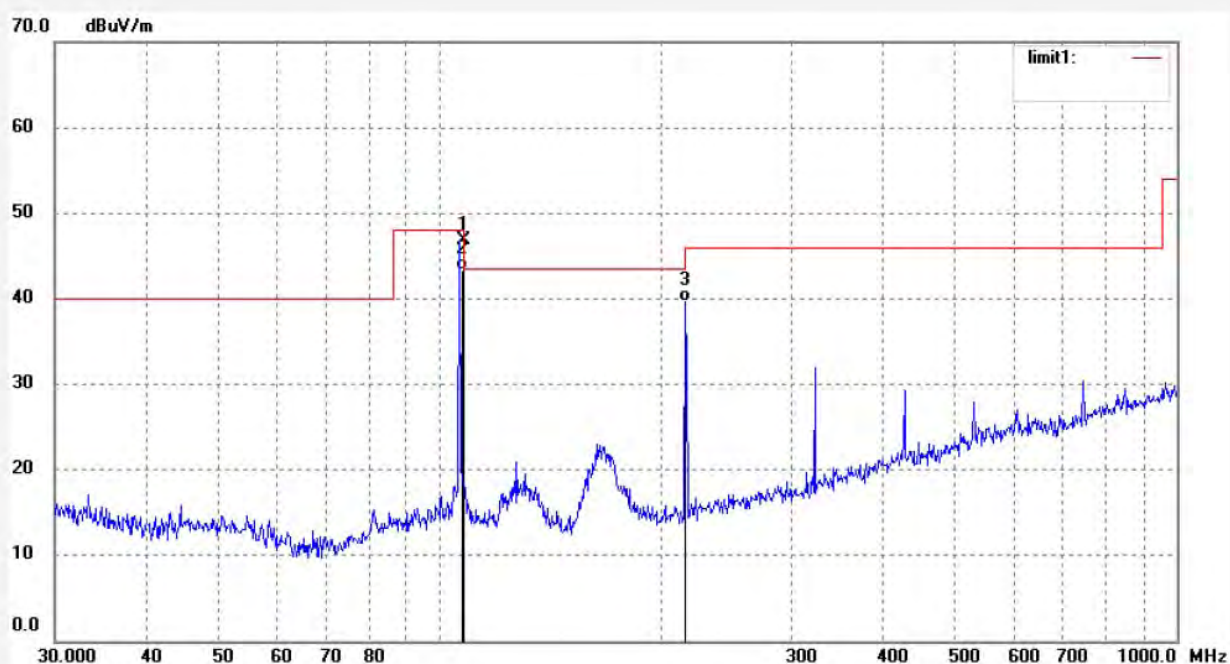
Date: 13/03/11/

Time: 15/38/12

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	107.9000	59.68	-12.92	46.76	68.00	-21.24	peak			
2	107.9000	56.26	-12.92	43.34	48.00	-4.66	AVG			
3	215.3616	51.43	-11.86	39.57	43.50	-3.93	QP			



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Job No.: STAR #3937

Standard: FCC PART 15 (FMT)

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: FM transmitter

Mode: FM 107.9MHz (Connect to iPod's Headphone port(Line in))

Model: MZ-J2XL

Manufacturer: DAZA

Polarization: Vertical

Power Source: DC 12V

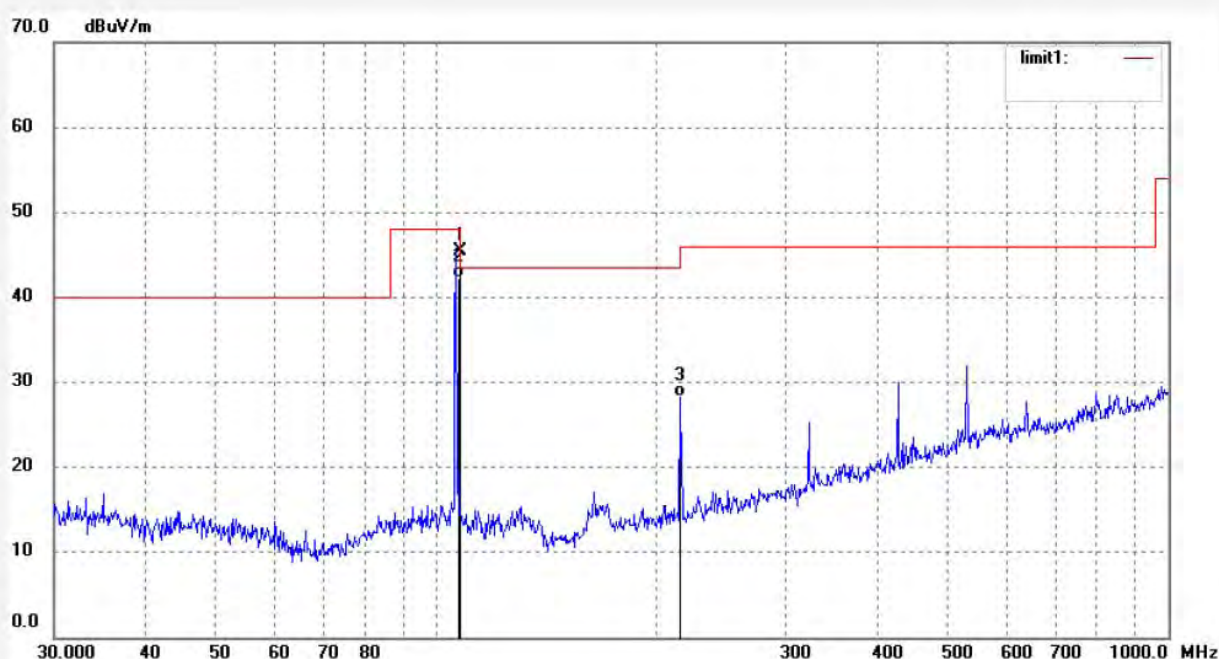
Date: 13/03/11/

Time: 15/42/46

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	107.9000	58.36	-12.92	45.44	68.00	-22.56	peak			
2	107.9000	55.10	-12.92	42.18	48.00	-5.82	AVG			
3	215.3616	40.15	-11.86	28.29	43.50	-15.21	QP			



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Job No.: STAR #3947

Standard: FCC PART 15 (FMT)

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: FM transmitter

Mode: FM 88.1MHz (Connect to USB memory disk)

Model: MZ-J2XL

Manufacturer: DAZA

Polarization: Horizontal

Power Source: DC 12V

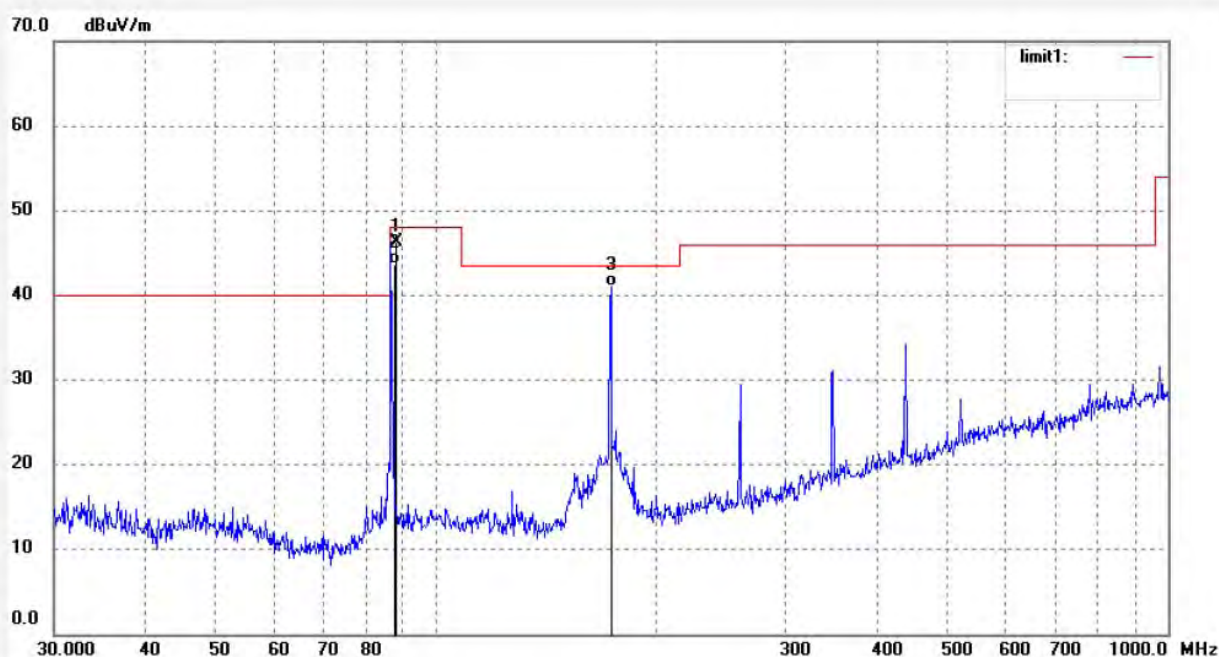
Date: 13/03/11/

Time: 16/13/15

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	88.1000	59.40	-13.19	46.21	68.00	-21.79	peak			
2	88.1000	56.79	-13.19	43.60	48.00	-4.40	AVG			
3	173.2050	54.67	-13.65	41.02	43.50	-2.48	QP			



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Job No.: STAR #3946

Standard: FCC PART 15 (FMT)

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: FM transmitter

Mode: FM 88.1MHz (Connect to USB memory disk)

Model: MZ-J2XL

Manufacturer: DAZA

Polarization: Vertical

Power Source: DC 12V

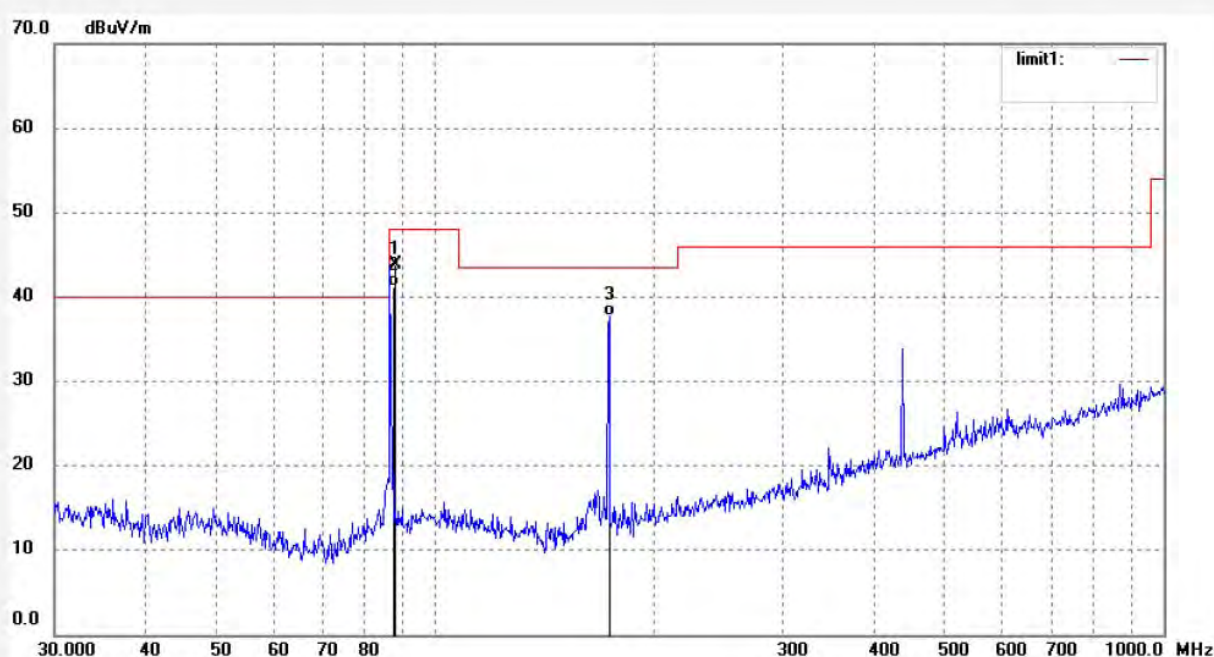
Date: 13/03/11/

Time: 16/09/11

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	88.1000	57.06	-13.19	43.87	68.00	-24.13	peak			
2	88.1000	54.46	-13.19	41.27	48.00	-6.73	AVG			
3	173.2050	51.38	-13.65	37.73	43.50	-5.77	QP			



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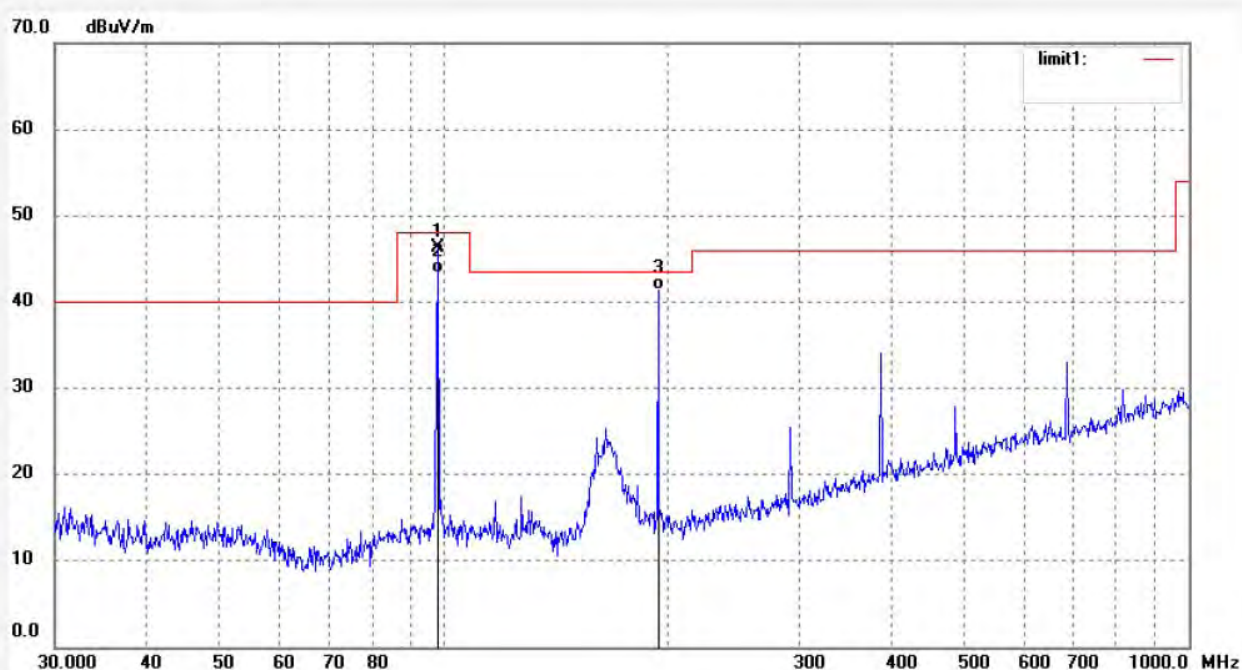
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Job No.: STAR #3944
Standard: FCC PART 15 (FMT)
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: FM transmitter
Mode: FM 98.1MHz (Connect to USB memory disk)
Model: MZ-J2XL
Manufacturer: DAZA

Polarization: Horizontal
Power Source: DC 12V
Date: 13/03/11/
Time: 16/00/04
Engineer Signature:
Distance: 3m

Note: Report No.:ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	98.1000	58.72	-12.39	46.33	68.00	-21.67	peak			
2	98.1000	55.71	-12.39	43.32	48.00	-4.68	AVG			
3	193.8163	53.85	-12.51	41.34	43.50	-2.16	QP			



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Job No.: STAR #3945

Standard: FCC PART 15 (FMT)

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: FM transmitter

Mode: FM 98.1MHz (Connect to USB memory disk)

Model: MZ-J2XL

Manufacturer: DAZA

Polarization: Vertical

Power Source: DC 12V

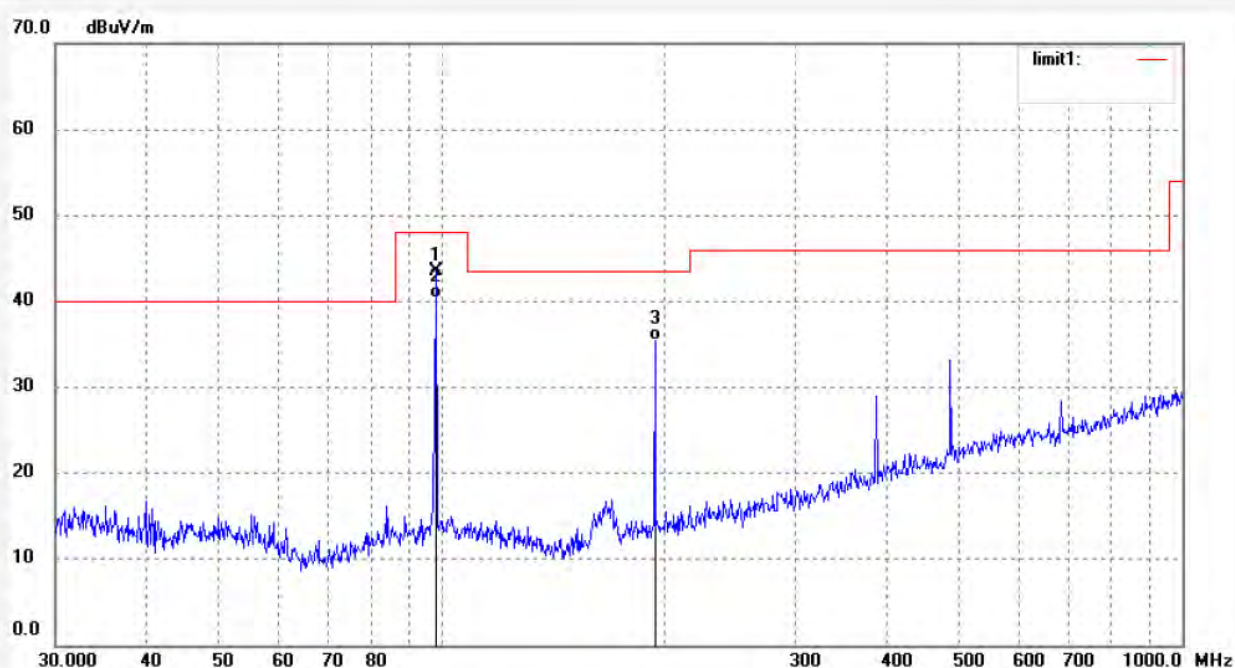
Date: 13/03/11/

Time: 16/06/35

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	98.1000	55.93	-12.39	43.54	68.00	-24.46	peak			
2	98.1000	52.71	-12.39	40.32	48.00	-7.68	AVG			
3	193.8163	48.03	-12.51	35.52	43.50	-7.98	QP			



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Job No.: STAR #3948

Standard: FCC PART 15 (FMT)

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: FM transmitter

Mode: FM 107.9MHz (Connect to USB memory disk)

Model: MZ-J2XL

Manufacturer: DAZA

Polarization: Horizontal

Power Source: DC 12V

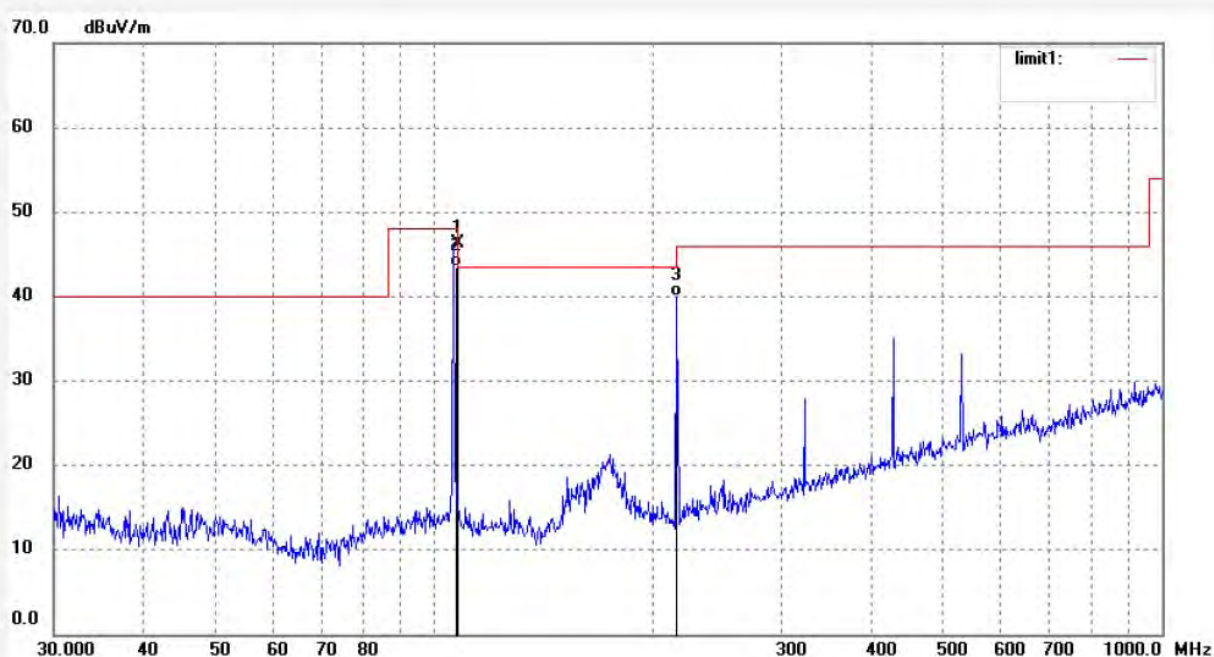
Date: 13/03/11/

Time: 16/17/00

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	107.9000	59.21	-12.92	46.29	68.00	-21.71	peak			
2	107.9000	56.48	-12.92	43.56	48.00	-4.44	AVG			
3	215.3616	51.90	-11.86	40.04	43.50	-3.46	QP			



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Job No.: STAR #3949

Standard: FCC PART 15 (FMT)

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: FM transmitter

Mode: FM 107.9MHz (Connect to USB memory disk)

Model: MZ-J2XL

Manufacturer: DAZA

Polarization: Vertical

Power Source: DC 12V

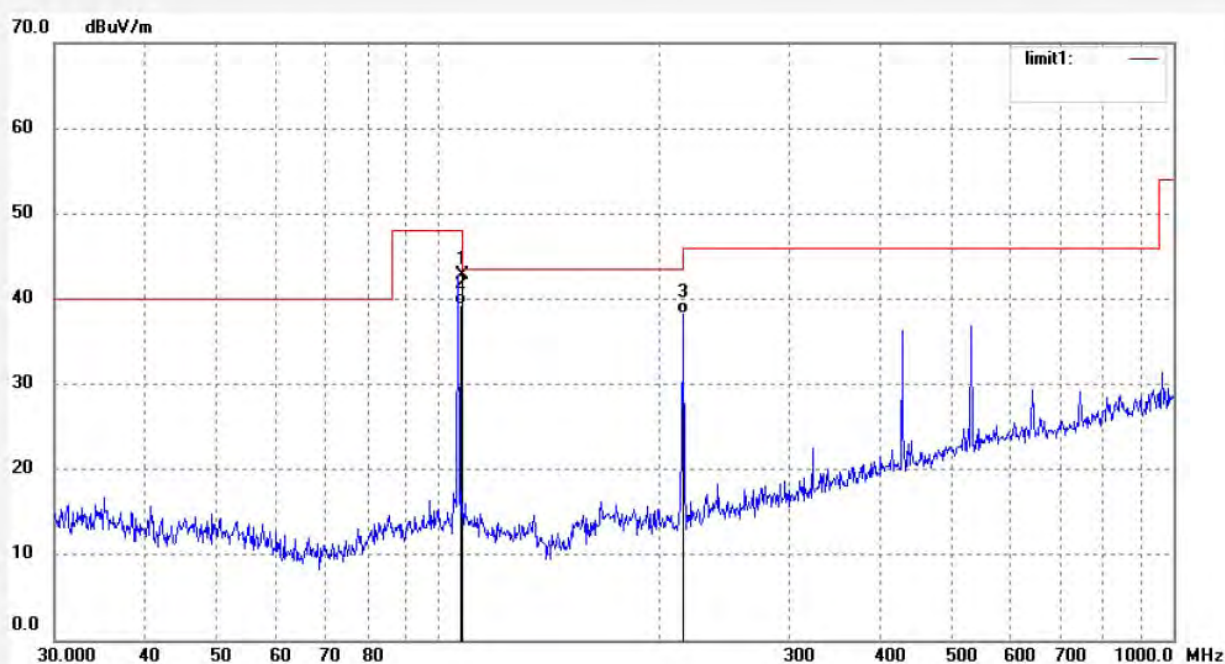
Date: 13/03/11/

Time: 16/21/28

Engineer Signature:

Distance: 3m

Note: Report No.: ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	107.9000	55.65	-12.92	42.73	68.00	-25.27	peak			
2	107.9000	52.15	-12.92	39.23	48.00	-8.77	AVG			
3	215.3616	50.04	-11.86	38.18	43.50	-5.32	QP			



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Job No.: STAR #208

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 60 %

EUT: FM transmitter

Mode: FM 88.1MHz(Connect to iPod's dock)

Model: MZ-J2XL

Manufacturer: DAZA

Polarization: Horizontal

Power Source: DC 12V

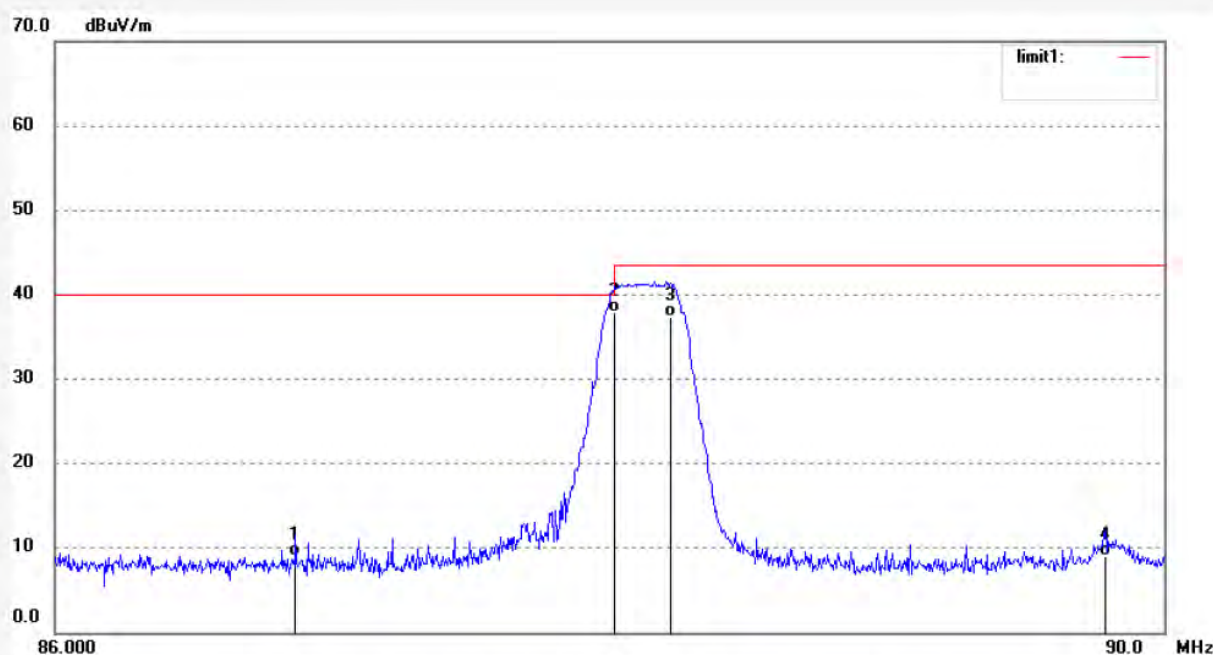
Date: 13/03/12/

Time: 11/26/43

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	86.8559	31.55	-22.60	8.95	40.00	-31.05	QP			
2	88.0000	60.60	-22.63	37.97	40.00	-2.03	QP			
3	88.2000	60.00	-22.64	37.36	43.50	-6.14	QP			
4	89.7840	31.64	-22.68	8.96	43.50	-34.54	QP			



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Job No.: STAR #207

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 60 %

EUT: FM transmitter

Mode: FM 88.1MHz(Connect to iPod's dock)

Model: MZ-J2XL

Manufacturer: DAZA

Polarization: Vertical

Power Source: DC 12V

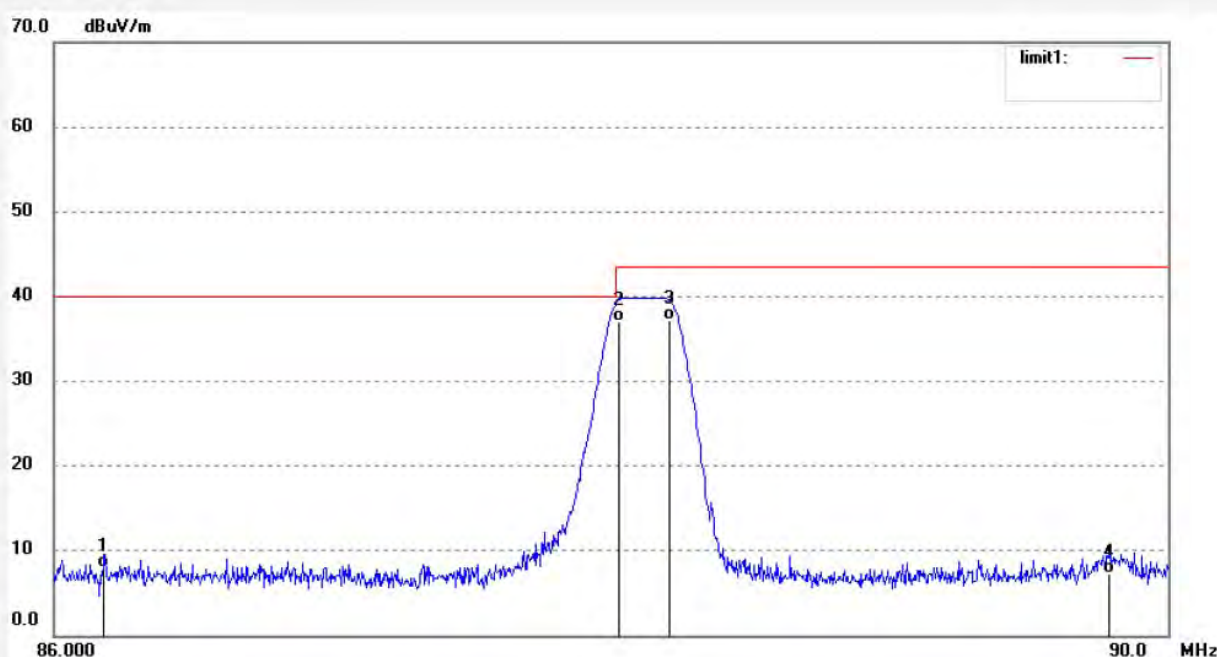
Date: 13/03/12/

Time: 11/20/55

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	86.1761	30.58	-22.57	8.01	40.00	-31.99	QP			
2	88.0000	59.68	-22.63	37.05	40.00	-2.95	QP			
3	88.2000	59.76	-22.64	37.12	43.50	-6.38	QP			
4	89.7840	29.99	-22.68	7.31	43.50	-36.19	QP			



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Job No.: STAR #209

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 60 %

EUT: FM transmitter

Mode: FM 98.1MHz(Connect to iPod's dock)

Model: MZ-J2XL

Manufacturer: DAZA

Polarization: Horizontal

Power Source: DC 12V

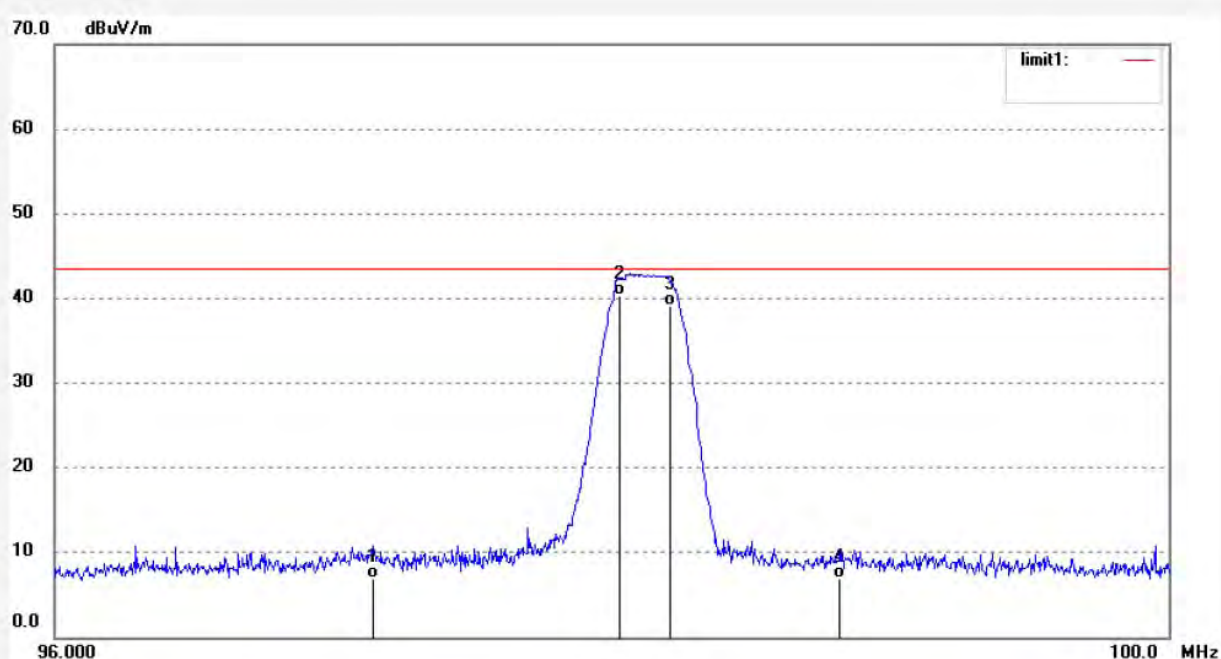
Date: 13/03/12/

Time: 11/31/51

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	97.1280	30.14	-23.20	6.94	43.50	-36.56	QP			
2	98.0000	63.73	-23.36	40.37	43.50	-3.13	QP			
3	98.2000	62.54	-23.38	39.16	43.50	-4.34	QP			
4	98.8040	30.39	-23.49	6.90	43.50	-36.60	QP			



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Job No.: STAR #210

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 60 %

EUT: FM transmitter

Mode: FM 98.1MHz(Connect to iPod's dock)

Model: MZ-J2XL

Manufacturer: DAZA

Polarization: Vertical

Power Source: DC 12V

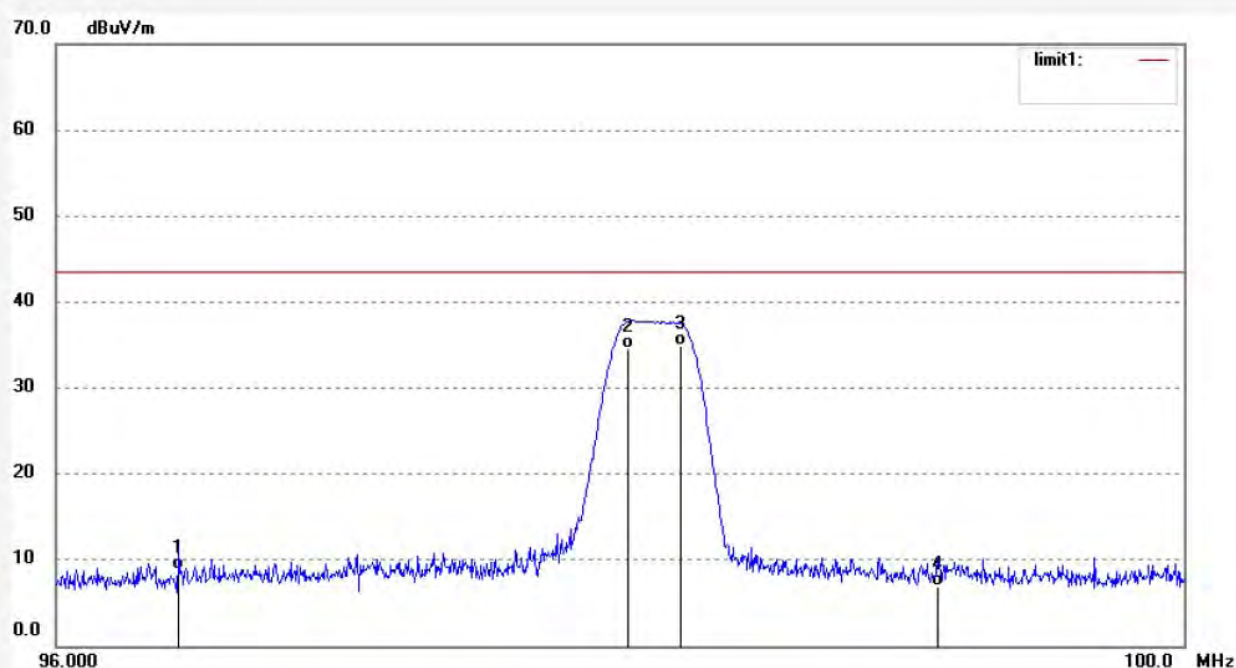
Date: 13/03/12/

Time: 11/35/32

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	96.4281	31.88	-23.08	8.80	43.50	-34.70	QP			
2	98.0000	58.00	-23.36	34.64	43.50	-8.86	QP			
3	98.2000	58.34	-23.38	34.96	43.50	-8.54	QP			
4	99.1159	30.41	-23.55	6.86	43.50	-36.64	QP			



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Job No.: STAR #217

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 60 %

EUT: FM transmitter

Mode: FM 107.9MHz(Connect to iPod's dock)

Model: MZ-J2XL

Manufacturer: DAZA

Polarization: Horizontal

Power Source: DC 12V

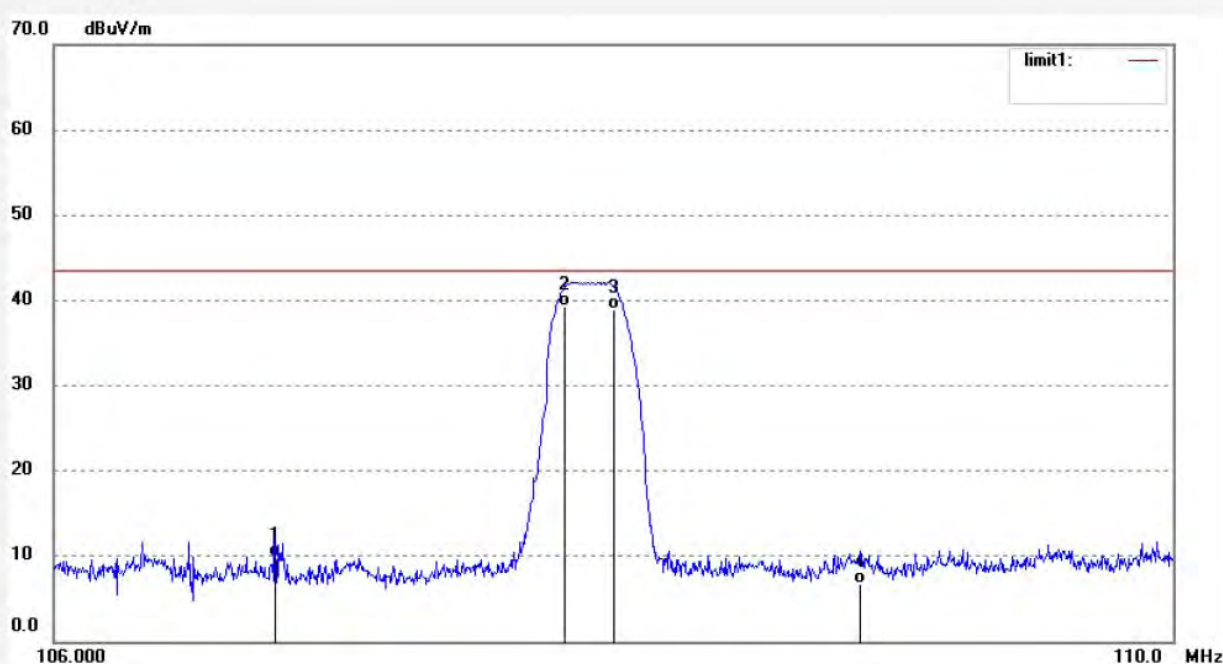
Date: 13/03/12/

Time: 12/06/21

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	106.7840	33.60	-23.66	9.94	43.50	-33.56	QP			
2	107.8000	62.80	-23.51	39.29	43.50	-4.21	QP			
3	108.0000	62.46	-23.46	39.00	43.50	-4.50	QP			
4	108.8719	30.11	-23.33	6.78	43.50	-36.72	QP			



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Job No.: STAR #218

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 60 %

EUT: FM transmitter

Mode: FM 107.9MHz(Connect to iPod's dock)

Model: MZ-J2XL

Manufacturer: DAZA

Polarization: Vertical

Power Source: DC 12V

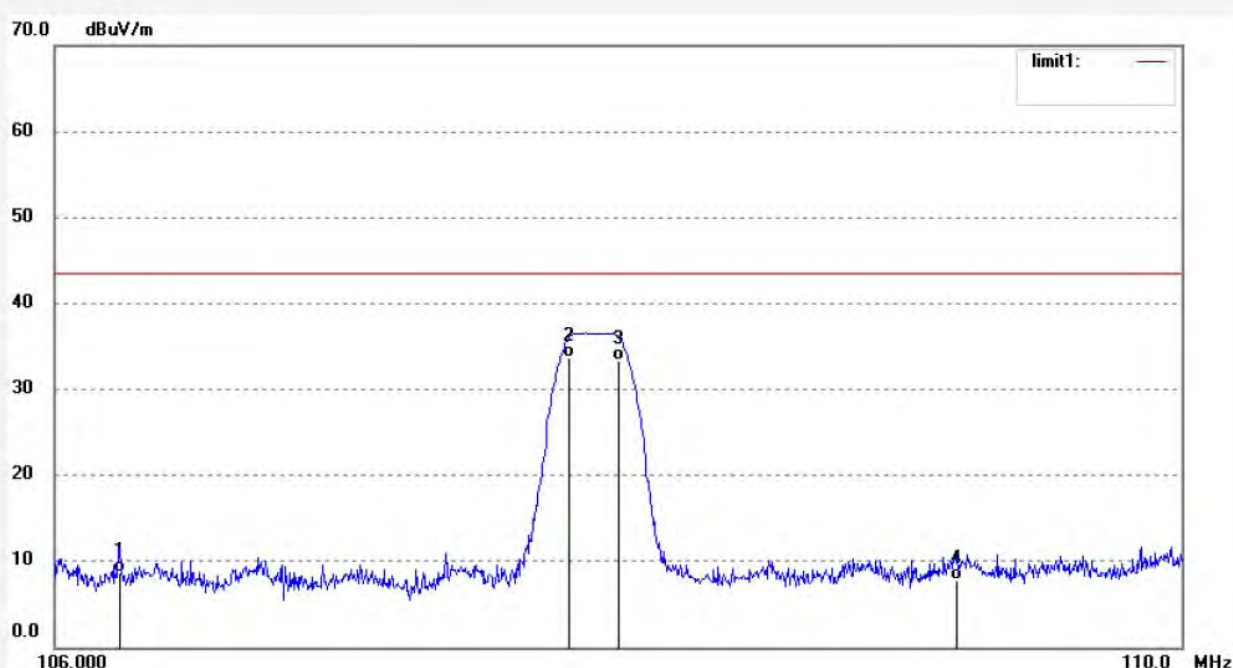
Date: 13/03/12/

Time: 12/11/50

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	106.2279	32.50	-23.75	8.75	43.50	-34.75	QP			
2	107.8000	57.18	-23.51	33.67	43.50	-9.83	QP			
3	108.0000	56.76	-23.46	33.30	43.50	-10.20	QP			
4	109.1958	31.00	-23.29	7.71	43.50	-35.79	QP			


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Job No.: STAR #205

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 60 %

EUT: FM transmitter

Mode: FM 88.1MHz(Connect to iPod's Headphone port(Line in))

Model: MZ-J2XL

Manufacturer: DAZA

Polarization: Horizontal

Power Source: DC 12V

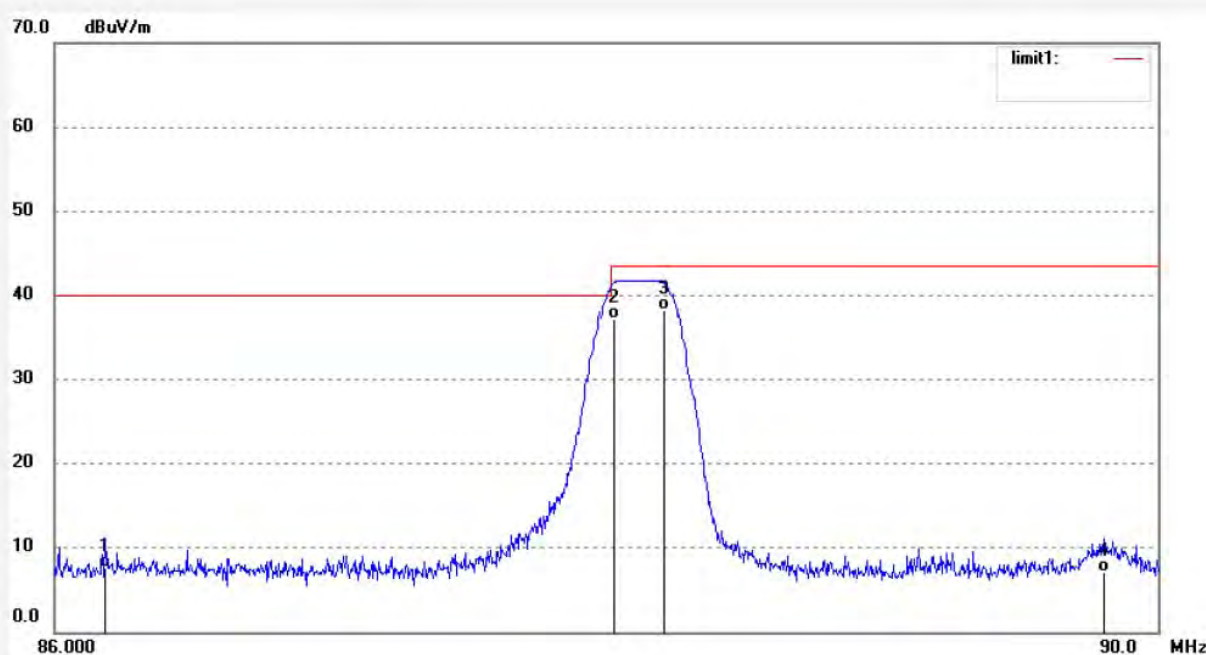
Date: 13/03/12/

Time: 11/12/48

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	86.1800	30.22	-22.58	7.64	40.00	-32.36	QP			
2	88.0000	59.80	-22.63	37.17	40.00	-2.83	QP			
3	88.2000	60.90	-22.64	38.26	43.50	-5.24	QP			
4	89.7997	29.83	-22.68	7.15	43.50	-36.35	QP			



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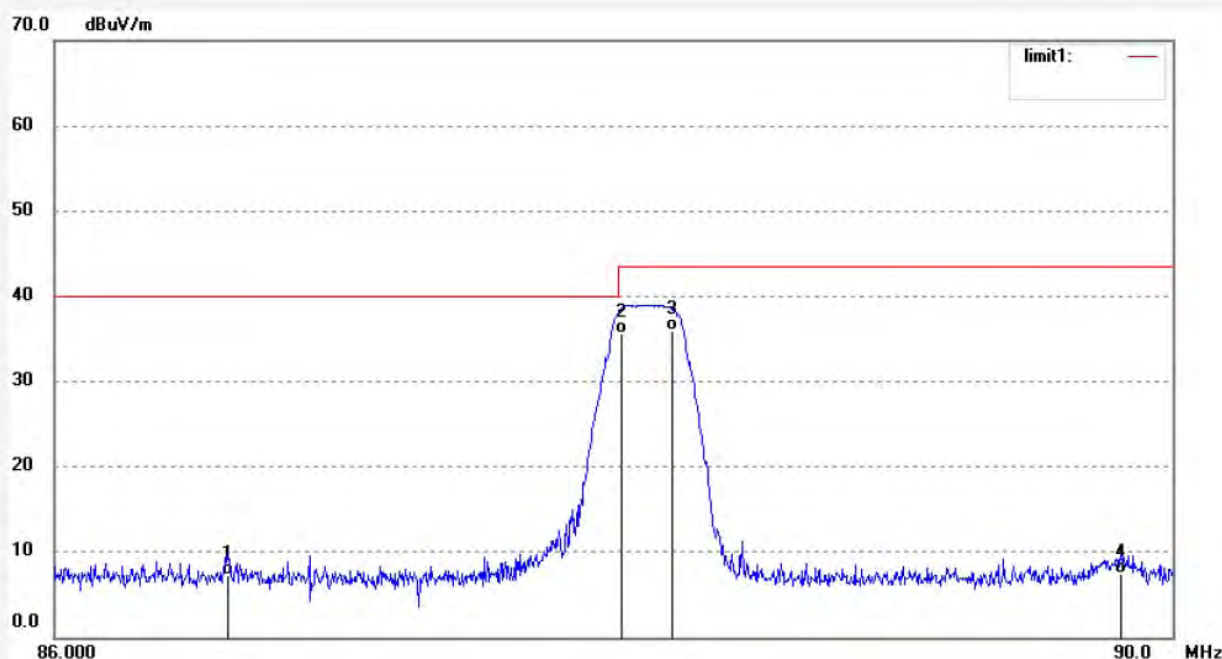
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Job No.: STAR #206
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 26 C / 60 %
EUT: FM transmitter
Mode: FM 88.1MHz(Connect to iPod's Headphone port(Line in))
Model: MZ-J2XL
Manufacturer: DAZA

Polarization: Vertical
Power Source: DC 12V
Date: 13/03/12/
Time: 11/16/48
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	86.6119	29.80	-22.59	7.21	40.00	-32.79	QP			
2	88.0000	58.29	-22.63	35.66	40.00	-4.34	QP			
3	88.2000	58.64	-22.64	36.00	43.50	-7.50	QP			
4	89.8118	30.20	-22.68	7.52	43.50	-35.98	QP			



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Job No.: STAR #212

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 60 %

EUT: FM transmitter

Mode: FM 98.1MHz(Connect to iPod's Headphone port(Line in))

Model: MZ-J2XL

Manufacturer: DAZA

Polarization: Horizontal

Power Source: DC 12V

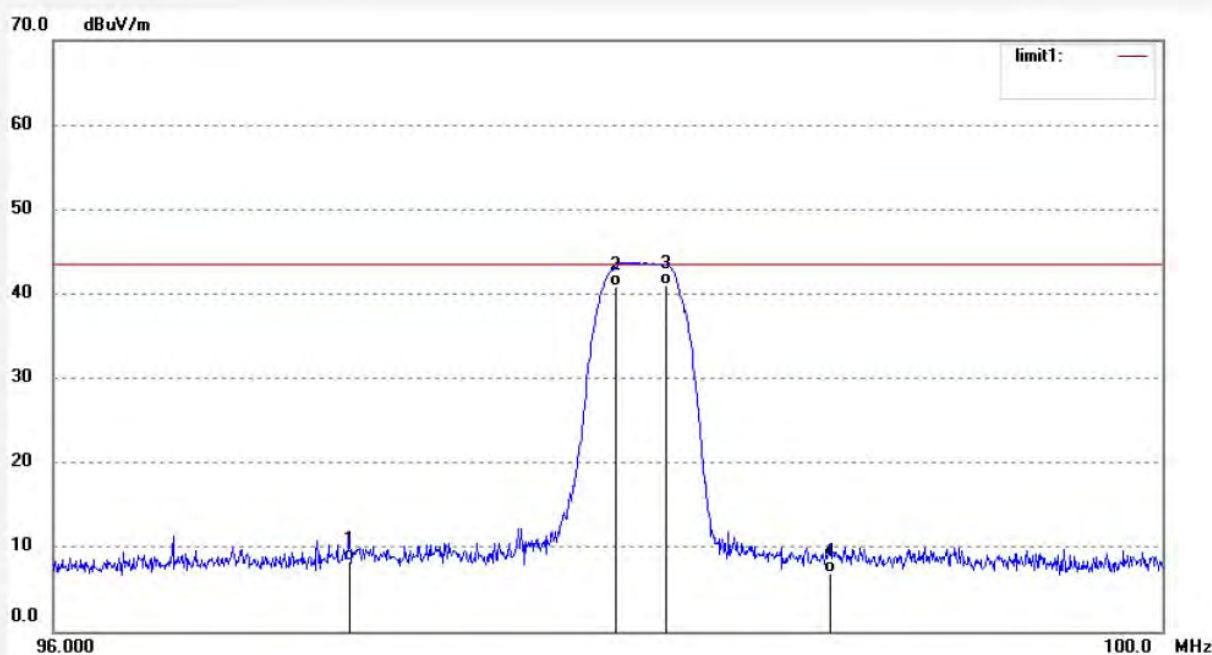
Date: 13/03/12/

Time: 11/43/25

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	97.0520	31.55	-23.19	8.36	43.50	-35.14	QP			
2	98.0000	64.20	-23.36	40.84	43.50	-2.66	QP			
3	98.2000	64.40	-23.38	41.02	43.50	-2.48	QP			
4	98.7879	30.46	-23.49	6.97	43.50	-36.53	QP			



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Job No.: STAR #211

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 60 %

EUT: FM transmitter

Mode: FM 98.1MHz(Connect to iPod's Headphone port(Line in))

Model: MZ-J2XL

Manufacturer: DAZA

Polarization: Vertical

Power Source: DC 12V

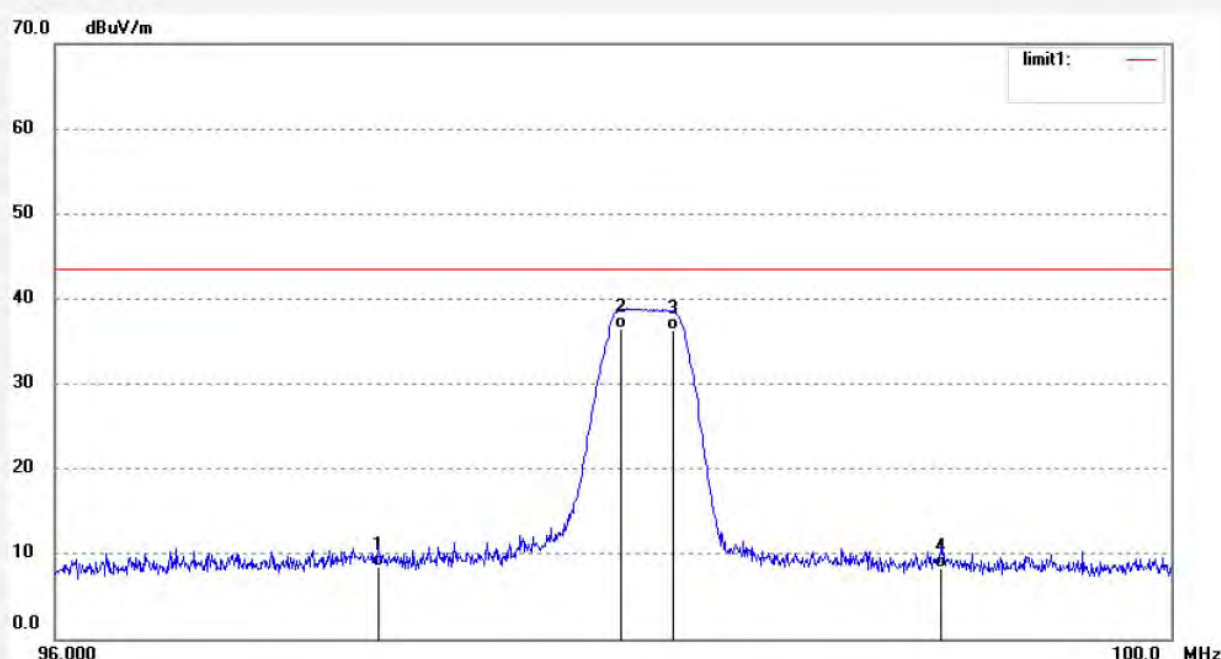
Date: 13/03/12/

Time: 11/39/21

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	97.1440	31.73	-23.20	8.53	43.50	-34.97	QP			
2	98.0000	59.90	-23.36	36.54	43.50	-6.96	QP			
3	98.2000	59.76	-23.38	36.38	43.50	-7.12	QP			
4	99.1640	31.86	-23.56	8.30	43.50	-35.20	QP			



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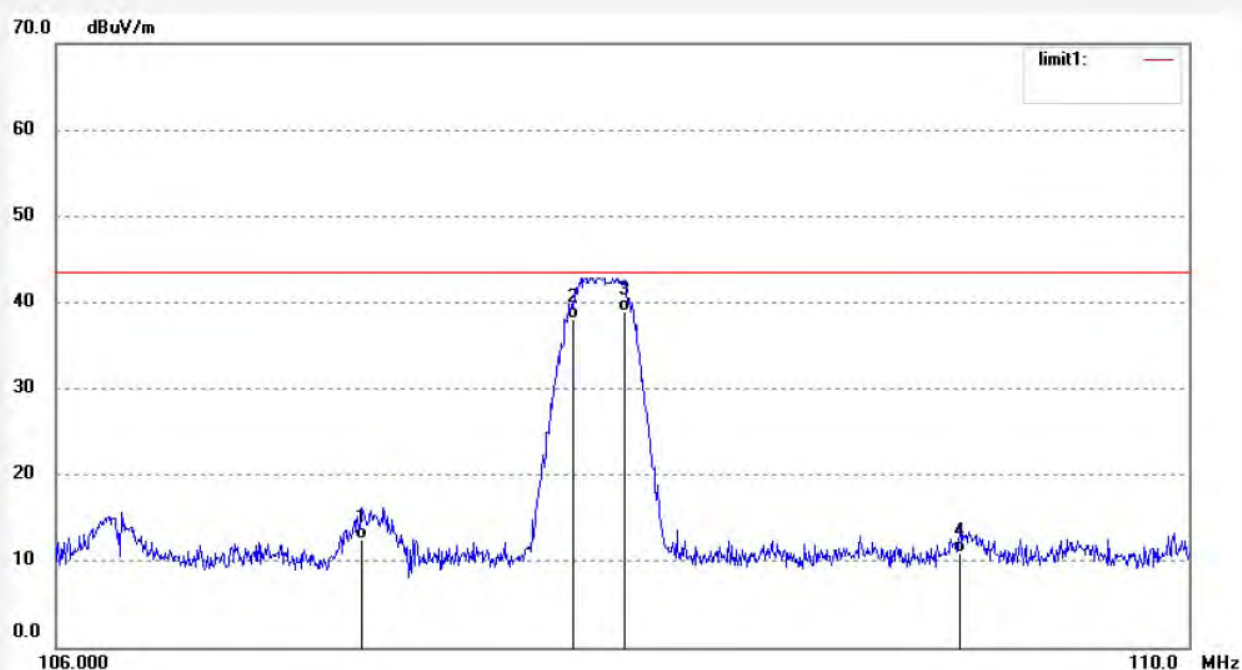
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Site: 1# Chamber
Tel:+86-0755-26503290
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Job No.: STAR #220
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 26 C / 60 %
EUT: FM transmitter
Mode: FM 107.9MHz(Connect to iPod's Headphone port(Line in))
Model: MZ-J2XL
Manufacturer: DAZA

Polarization: Horizontal
Power Source: DC 12V
Date: 13/03/12/
Time: 12/20/48
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	107.0678	36.22	-23.62	12.60	43.50	-30.90	QP			
2	107.8000	61.55	-23.51	38.04	43.50	-5.46	QP			
3	108.0000	62.40	-23.46	38.94	43.50	-4.56	QP			
4	109.1838	34.21	-23.29	10.92	43.50	-32.58	QP			



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Job No.: STAR #219

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 60 %

EUT: FM transmitter

Mode: FM 107.9MHz(Connect to iPod's Headphone port(Line in))

Model: MZ-J2XL

Manufacturer: DAZA

Polarization: Vertical

Power Source: DC 12V

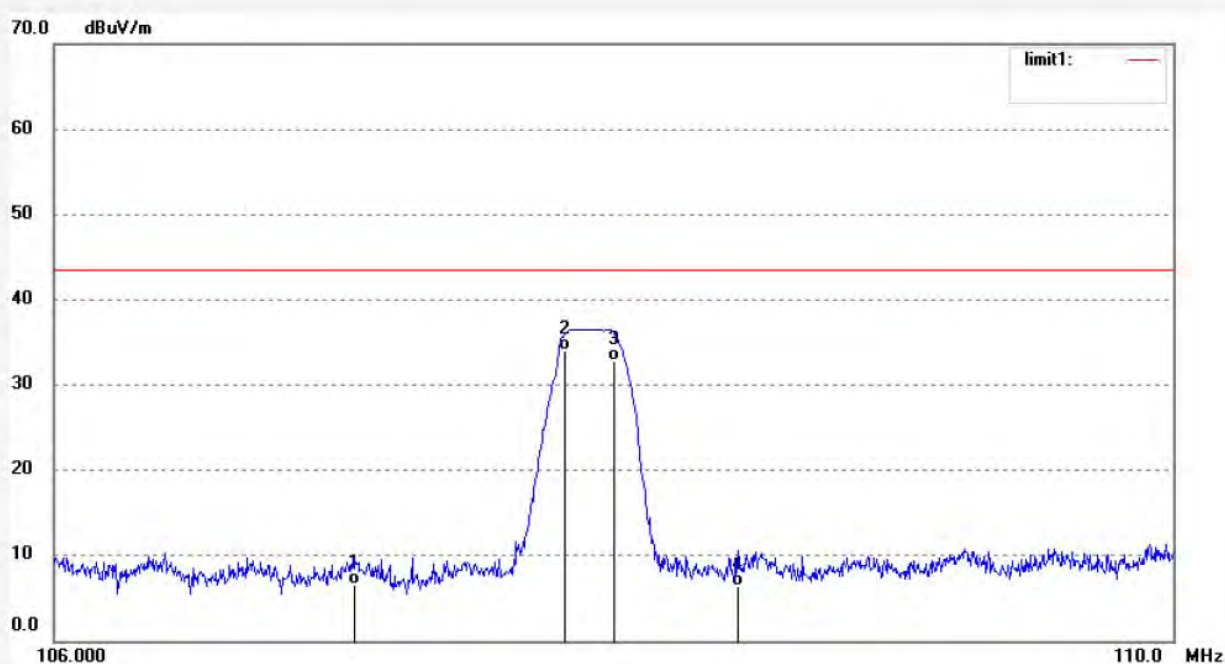
Date: 13/03/12/

Time: 12/16/02

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	107.0600	30.10	-23.62	6.48	43.50	-37.02	QP			
2	107.8000	57.49	-23.51	33.98	43.50	-9.52	QP			
3	108.0000	56.33	-23.46	32.87	43.50	-10.63	QP			
4	108.4278	29.85	-23.40	6.45	43.50	-37.05	QP			



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Job No.: STAR #204

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 60 %

EUT: FM transmitter

Mode: FM 88.1MHz(Connect to USB memory disk)

Model: MZ-J2XL

Manufacturer: DAZA

Polarization: Horizontal

Power Source: DC 12V

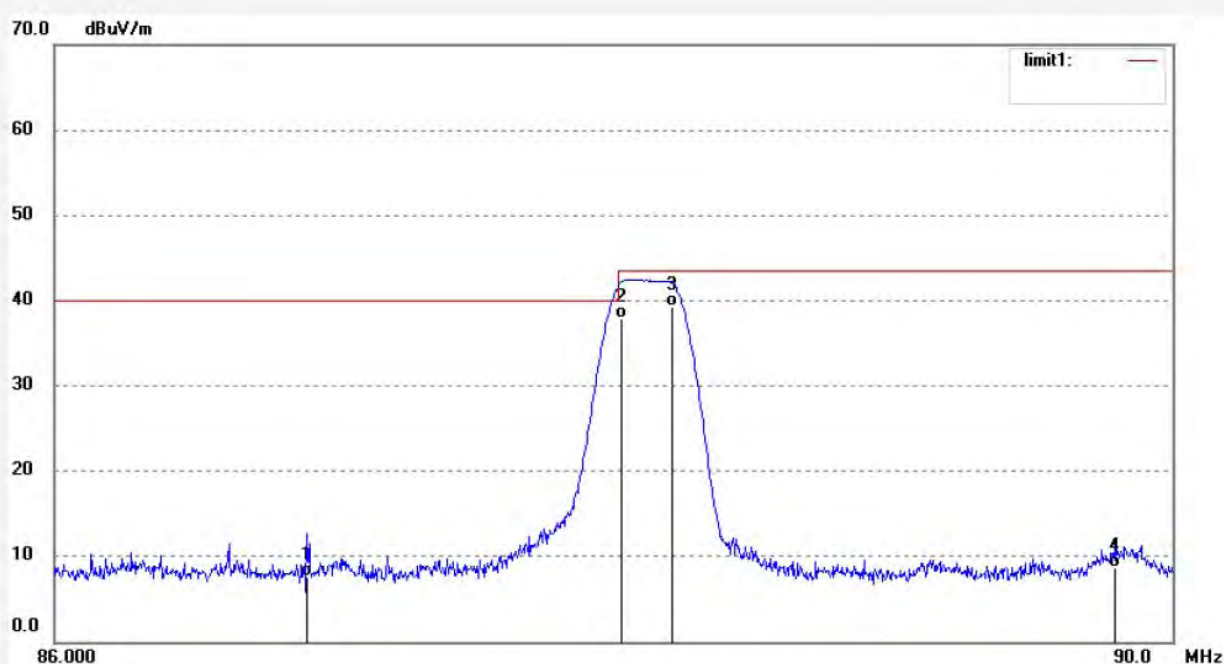
Date: 13/03/12/

Time: 11/08/38

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	86.8919	30.25	-22.60	7.65	40.00	-32.35	QP			
2	88.0000	60.55	-22.63	37.92	40.00	-2.08	QP			
3	88.2000	61.84	-22.64	39.20	43.50	-4.30	QP			
4	89.7920	31.28	-22.68	8.60	43.50	-34.90	QP			



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Job No.: STAR #203

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 60 %

EUT: FM transmitter

Mode: FM 88.1MHz(Connect to USB memory disk)

Model: MZ-J2XL

Manufacturer: DAZA

Polarization: Vertical

Power Source: DC 12V

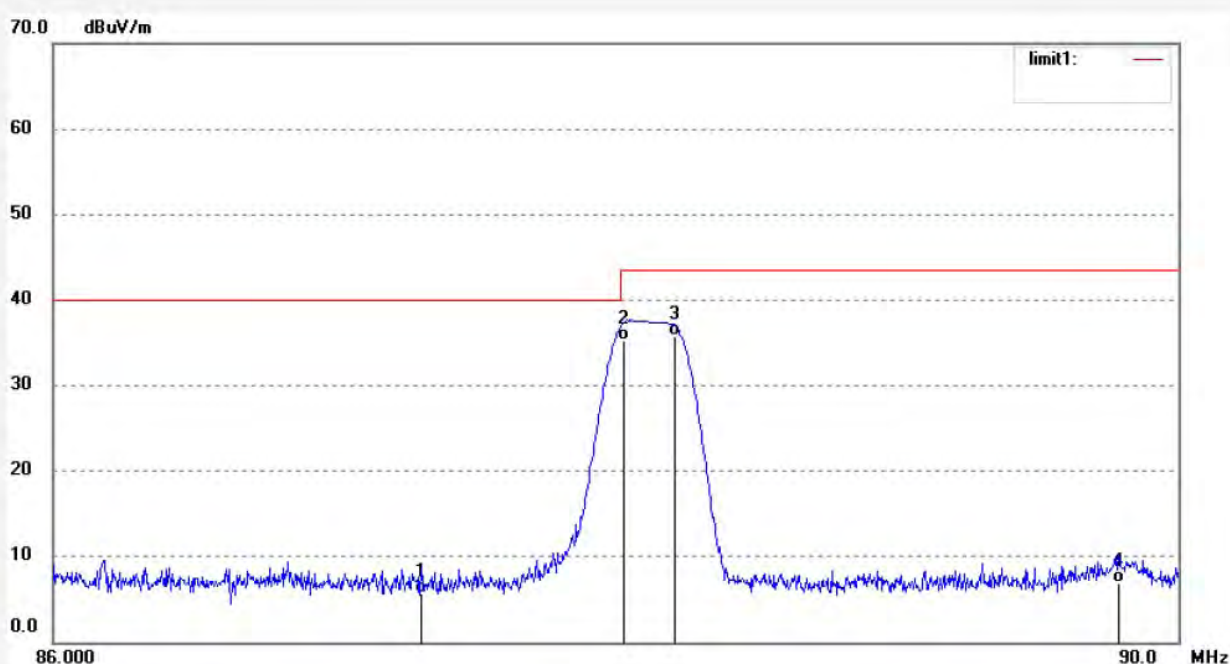
Date: 13/03/12/

Time: 11/03/41

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	87.2878	28.22	-22.61	5.61	40.00	-34.39	QP			
2	88.0000	57.93	-22.63	35.30	40.00	-4.70	QP			
3	88.2000	58.46	-22.64	35.82	43.50	-7.68	QP			
4	89.7840	29.67	-22.68	6.99	43.50	-36.51	QP			



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Job No.: STAR #213

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 60 %

EUT: FM transmitter

Mode: FM 98.1MHz(Connect to USB memory disk)

Model: MZ-J2XL

Manufacturer: DAZA

Polarization: Horizontal

Power Source: DC 12V

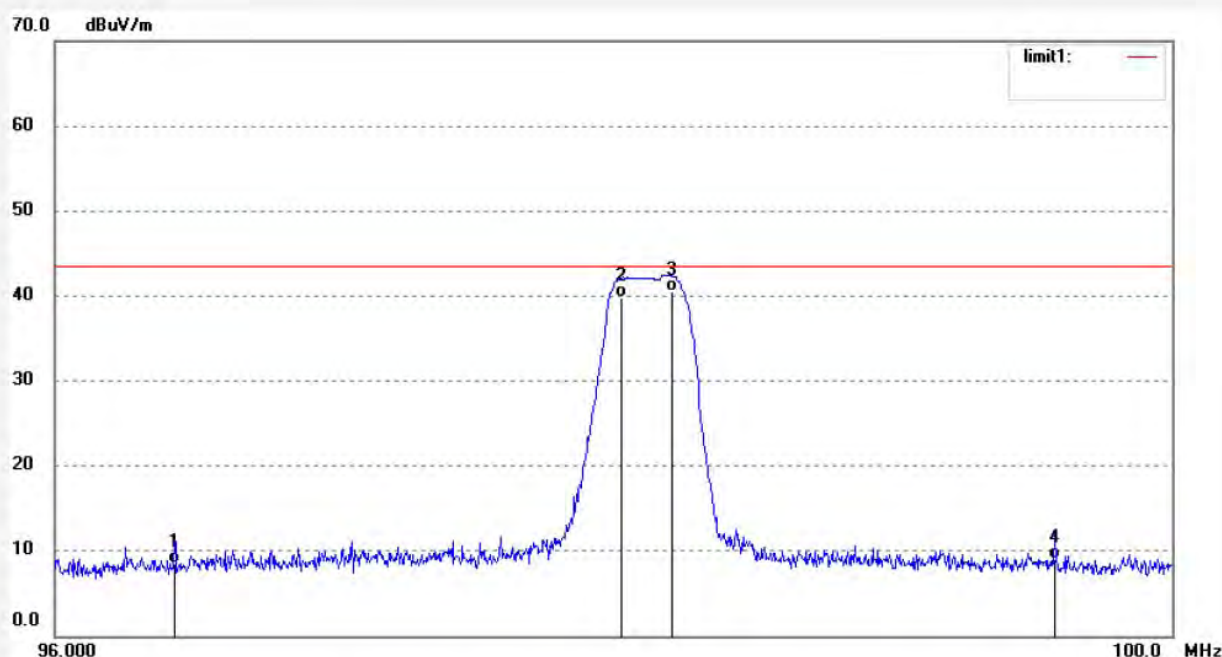
Date: 13/03/12/

Time: 11/47/11

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	96.4240	31.58	-23.08	8.50	43.50	-35.00	QP			
2	98.0000	63.14	-23.36	39.78	43.50	-3.72	QP			
3	98.2000	63.81	-23.38	40.43	43.50	-3.07	QP			
4	99.5759	32.64	-23.62	9.02	43.50	-34.48	QP			



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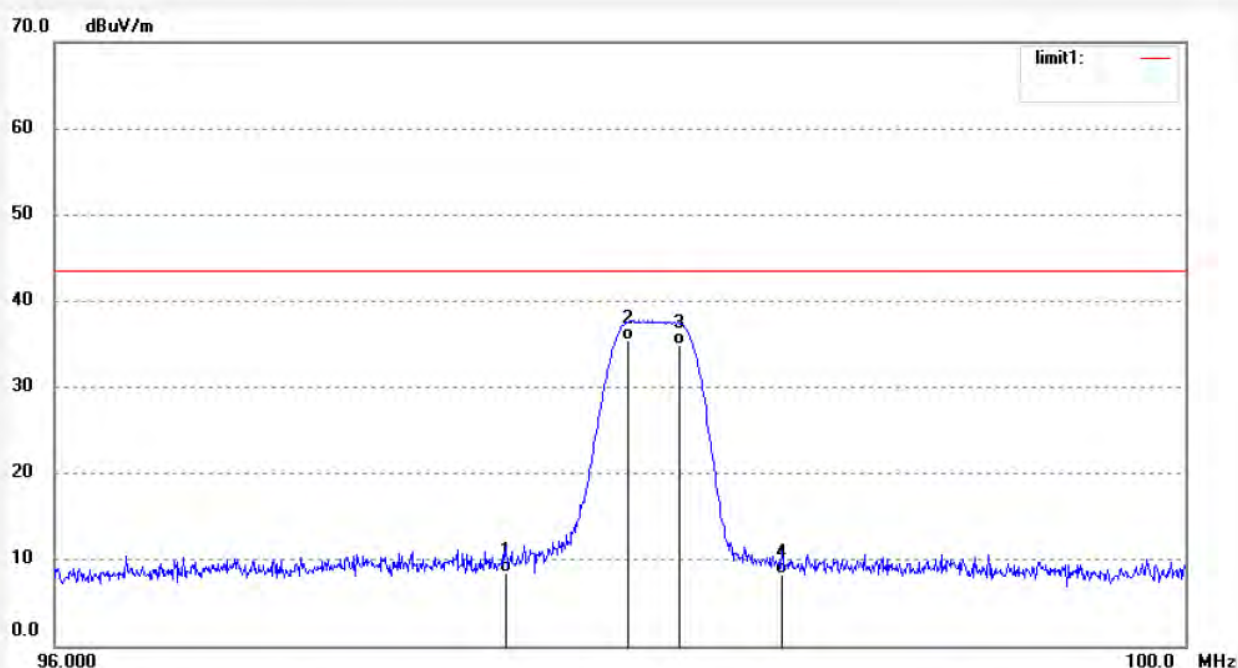
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Site: 1# Chamber
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Job No.: STAR #214
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 26 C / 60 %
EUT: FM transmitter
Mode: FM 98.1MHz(Connect to USB memory disk)
Model: MZ-J2XL
Manufacturer: DAZA

Polarization: Vertical
Power Source: DC 12V
Date: 13/03/12/
Time: 11/51/48
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	97.5798	31.73	-23.28	8.45	43.50	-35.05	QP			
2	98.0000	58.75	-23.36	35.39	43.50	-8.11	QP			
3	98.2000	58.37	-23.38	34.99	43.50	-8.51	QP			
4	98.5558	31.68	-23.45	8.23	43.50	-35.27	QP			


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Job No.: STAR #216

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 60 %

EUT: FM transmitter

Mode: FM 107.9MHz(Connect to USB memory disk)

Model: MZ-J2XL

Manufacturer: DAZA

Polarization: Horizontal

Power Source: DC 12V

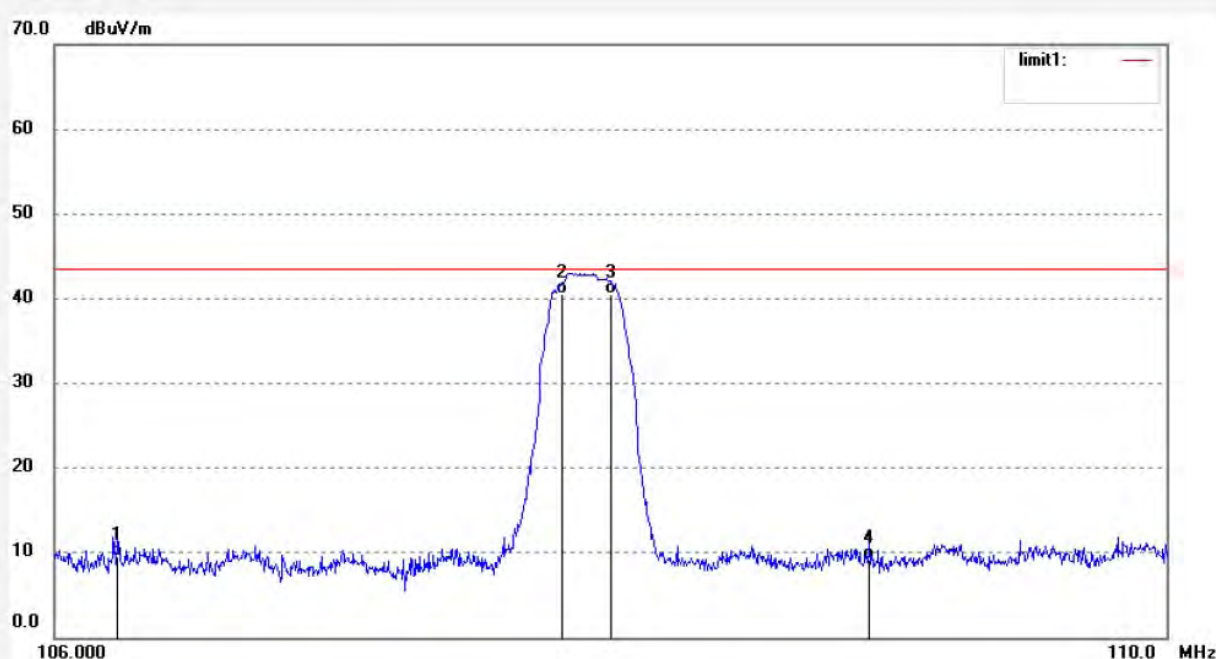
Date: 13/03/12/

Time: 12/01/13

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20130354



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	106.2240	33.22	-23.75	9.47	43.50	-34.03	QP			
2	107.8000	64.00	-23.51	40.49	43.50	-3.01	QP			
3	108.0000	63.94	-23.46	40.48	43.50	-3.02	QP			
4	108.9200	32.50	-23.33	9.17	43.50	-34.33	QP			



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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: STAR #215

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 60 %

EUT: FM transmitter

Mode: FM 107.9MHz(Connect to USB memory disk)

Model: MZ-J2XL

Manufacturer: DAZA

Polarization: Vertical

Power Source: DC 12V

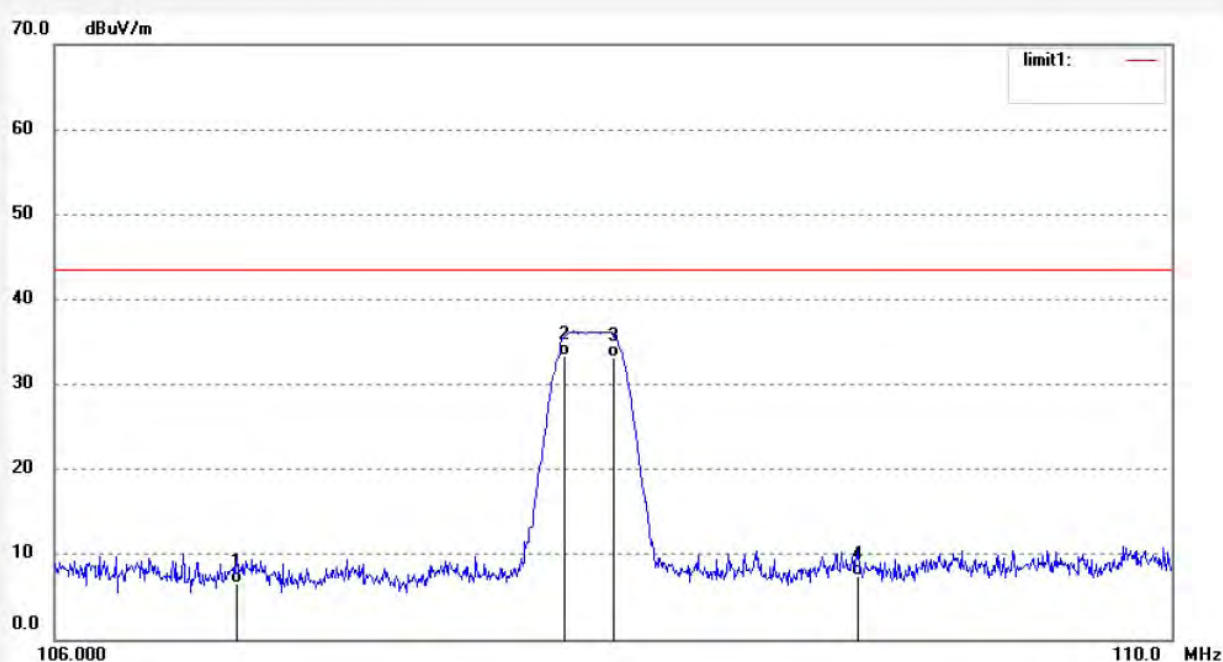
Date: 13/03/12/

Time: 11/56/34

Engineer Signature: STAR

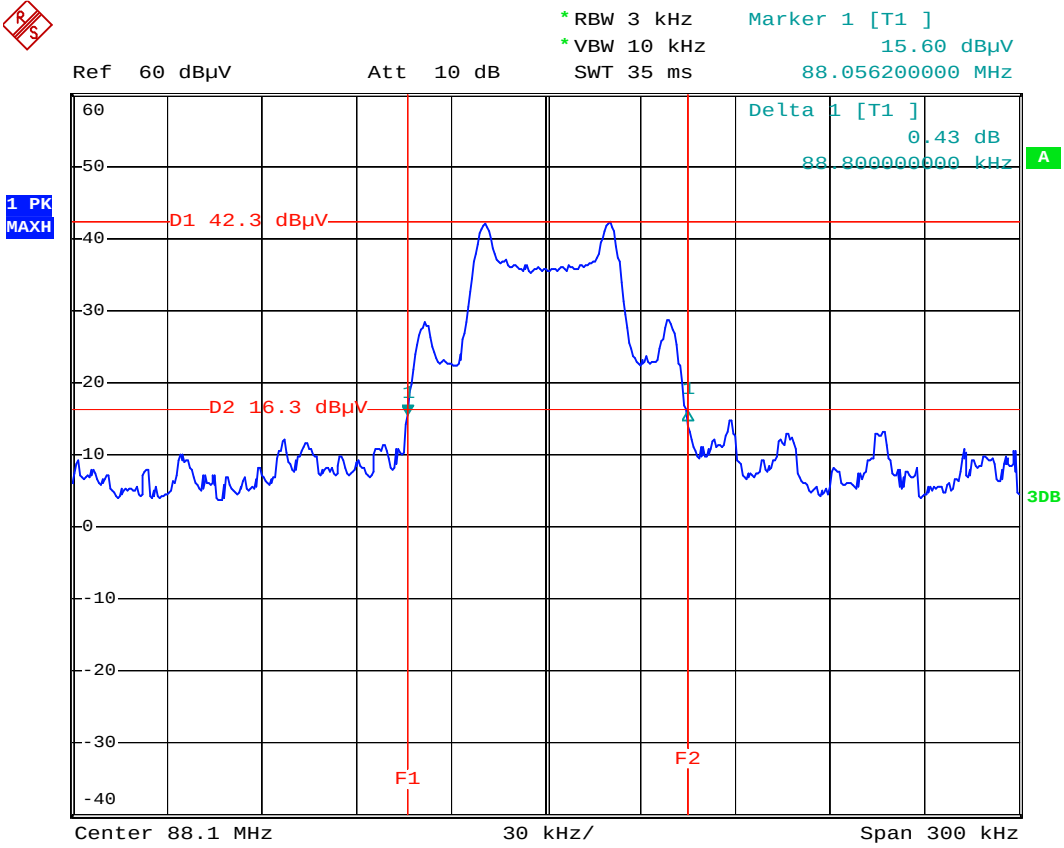
Distance: 3m

Note: Report No.:ATE20130354

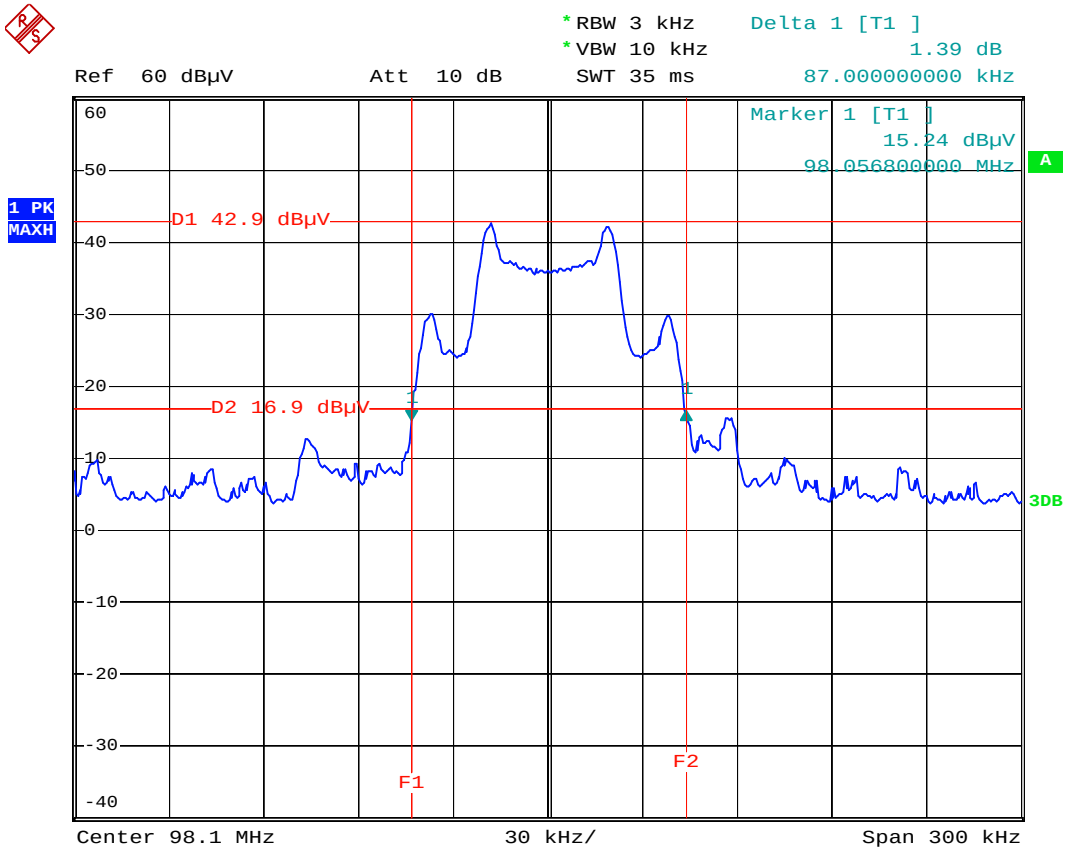


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	106.6440	30.25	-23.68	6.57	43.50	-36.93	QP			
2	107.8000	56.89	-23.51	33.38	43.50	-10.12	QP			
3	108.0000	56.66	-23.46	33.20	43.50	-10.30	QP			
4	108.8640	30.80	-23.34	7.46	43.50	-36.04	QP			

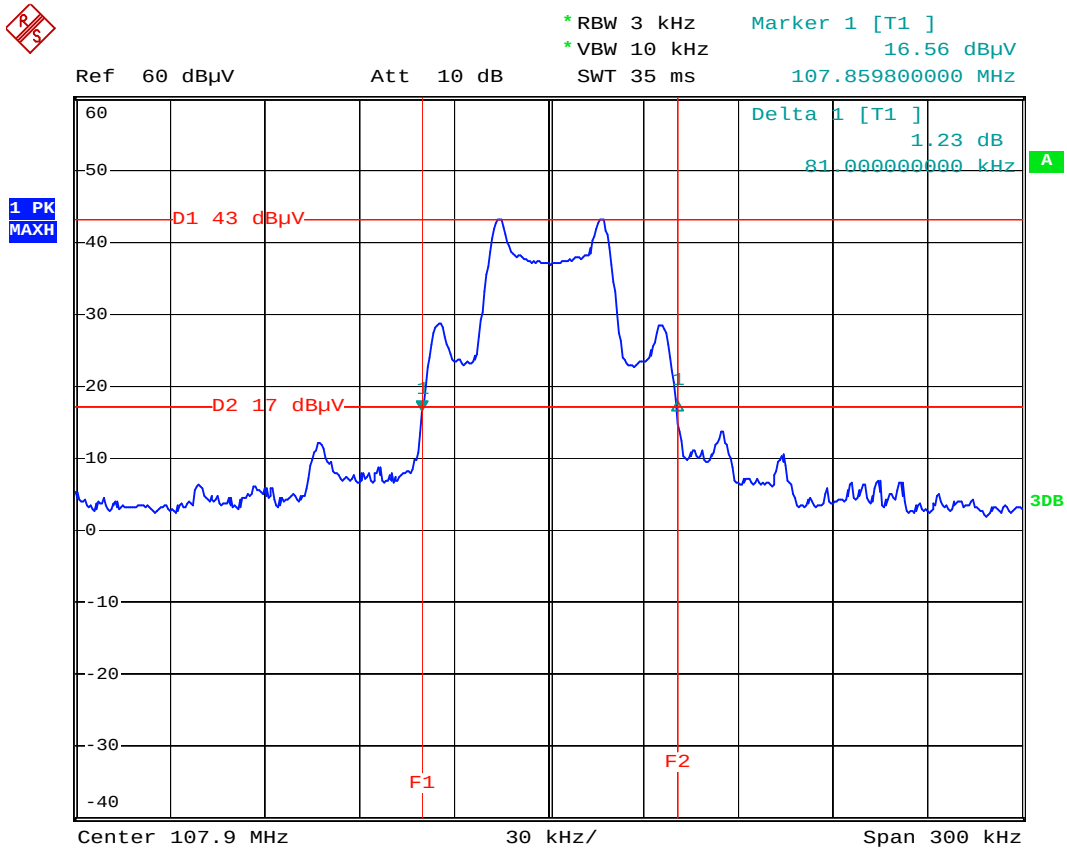
Connect to iPod's dock



Date: 12.MAR.2013 15:16:09

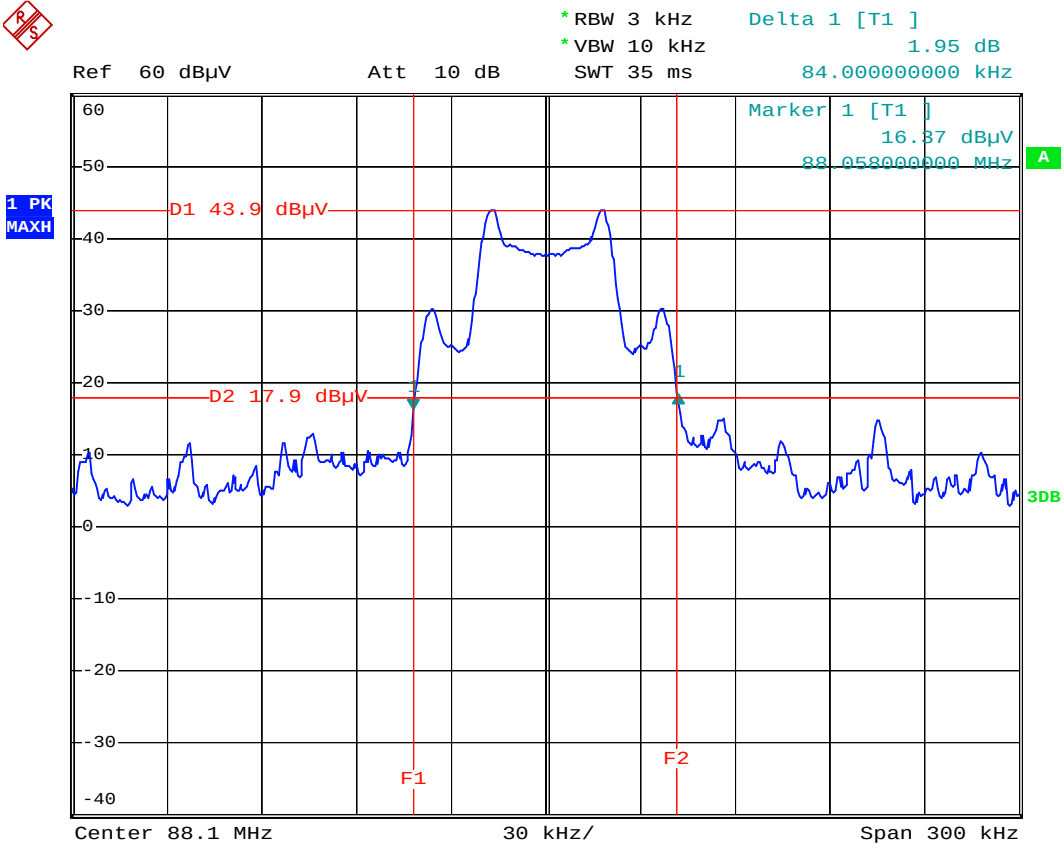


Date: 12.MAR.2013 14:54:26

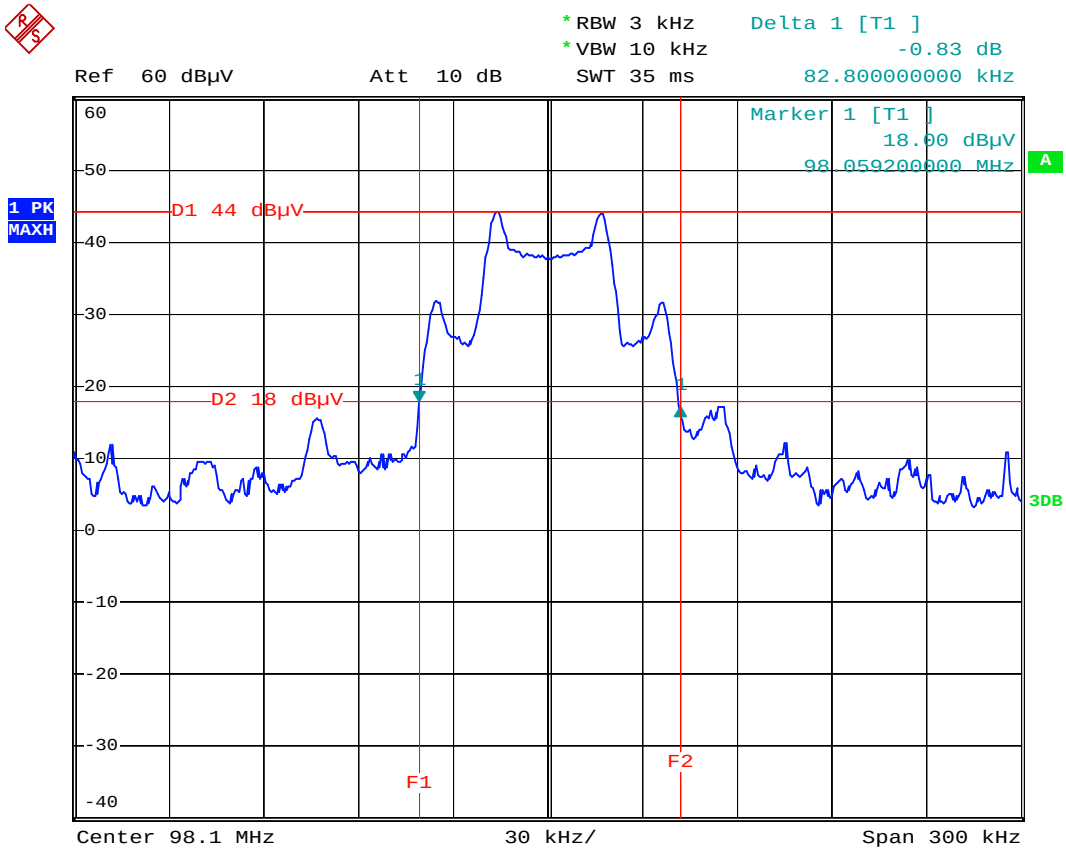


Date: 12.MAR.2013 15:22:23

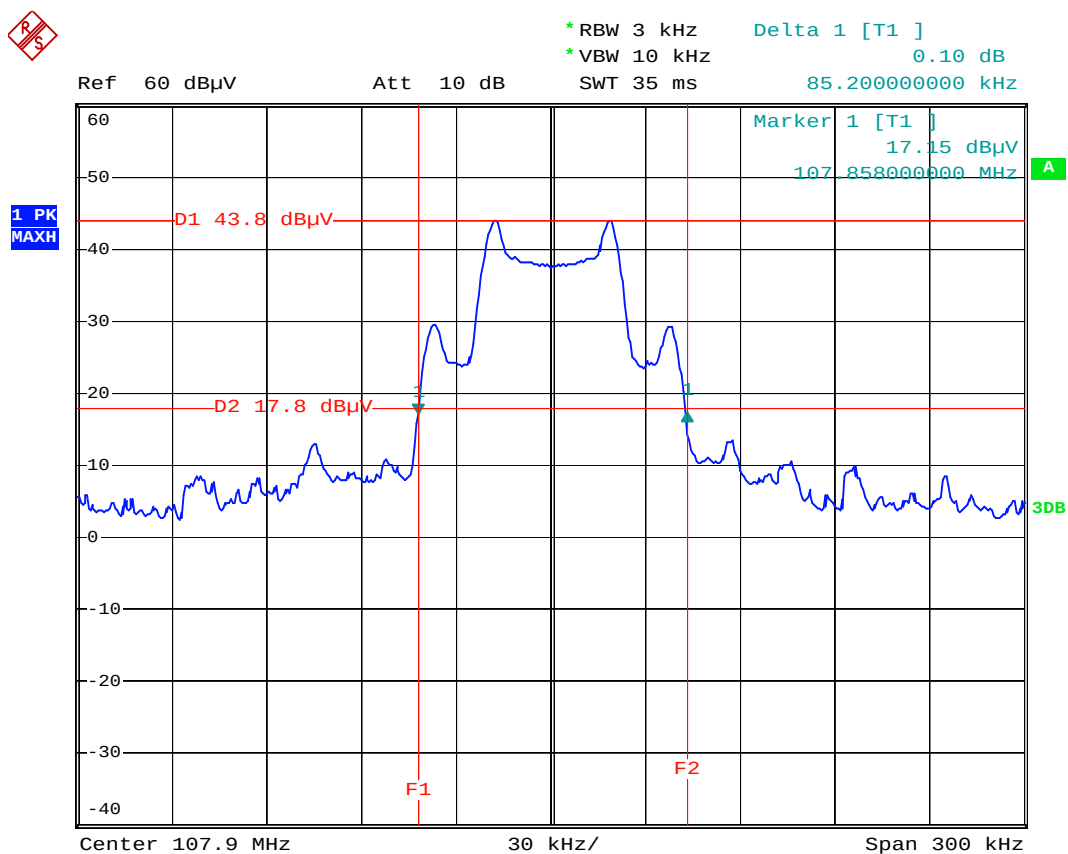
Connect to iPod's Headphone port(Line in)



Date: 12.MAR.2013 15:13:06

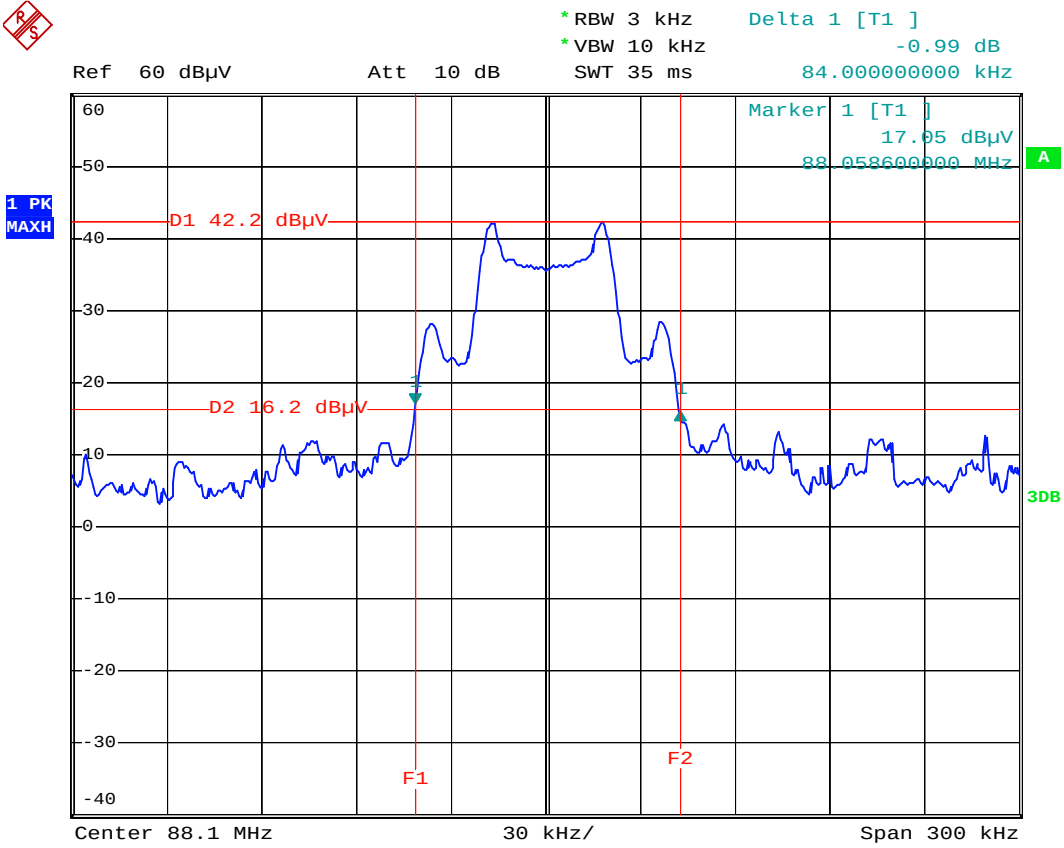


Date: 12.MAR.2013 14:58:22

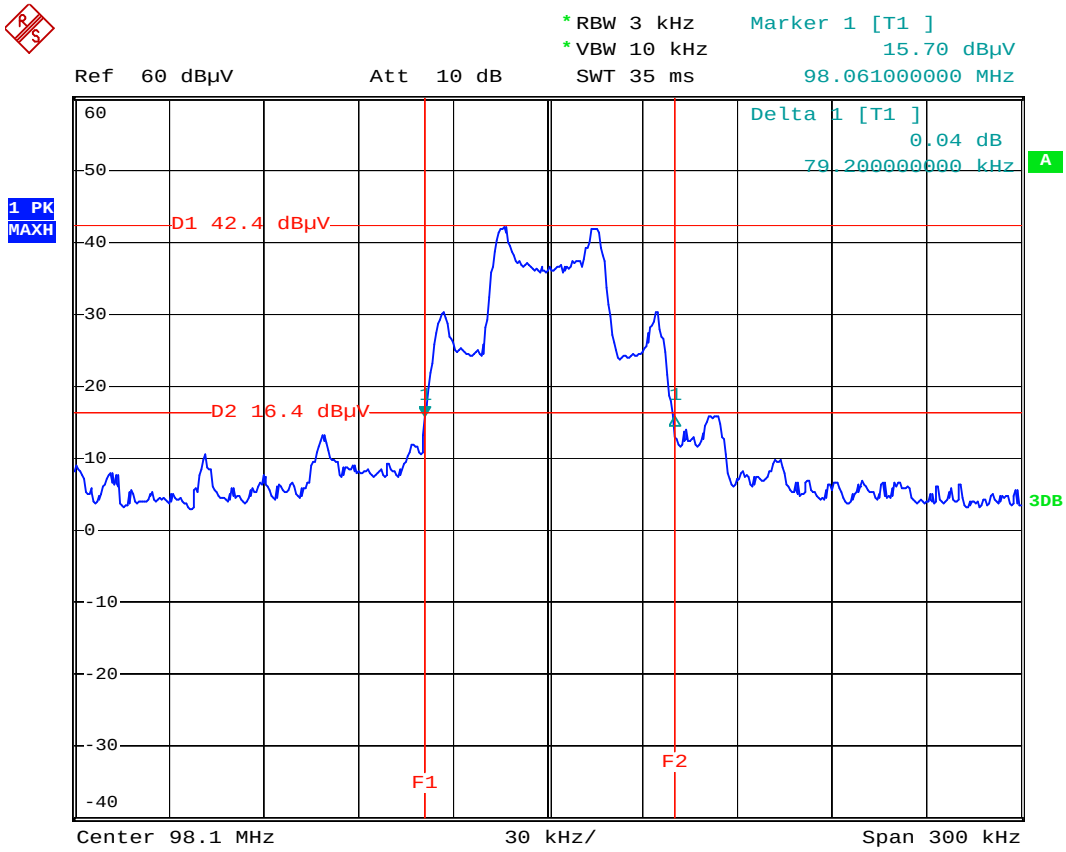


Date: 12.MAR.2013 15:25:16

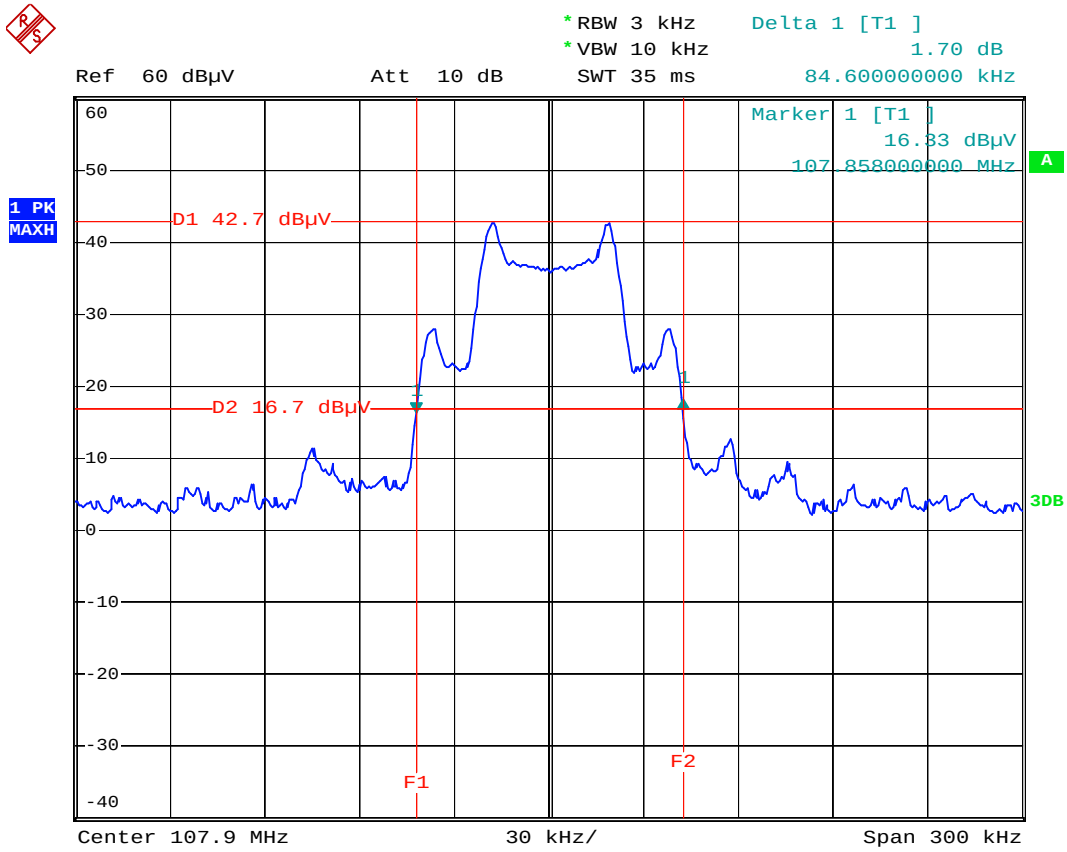
Connect to USB memory disk



Date: 12.MAR.2013 15:09:31



Date: 12.MAR.2013 14:56:46



Date: 12.MAR.2013 15:20:11