

FCC CERTIFICATION  
On Behalf of  
DAZA Electronics Company

Fm transmitter  
Model No.: F-208A(MSF11)

FCC ID: Z8VF-208A

Prepared for : DAZA Electronics Company  
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Xinmu Road Pinghu, Shenzhen, China

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Date of Test : October 25, 2013  
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## Test Report Certification

Applicant : DAZA Electronics Company  
 Manufacturer : DAZA Electronics Company  
 EUT Description : Fm transmitter  
                     (A) MODEL NO.: F-208A(MSF11)  
                     (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 Section15.239 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 : October 25, 2013

Prepared by :   
 (Engineer)

Approved & Authorized Signer :   
 (Manager)

# 1. GENERAL INFORMATION

## 1.1. Description of Device (EUT)

EUT	:	Fm transmitter
Model Number	:	F-208A(MSF11)
Power Supply	:	DC 12V (Power by Battery)
Operate Frequency	:	88.1-107.9MHz (step 0.2MHz)
Applicant	:	DAZA Electronics Company
Address	:	Bldg G, Xinmusheng Low Carbon Industrial Park, NO.6 Xinmu Road Pinghu, Shenzhen, China
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	:	October 23, 2013
Date of Test	:	October 25, 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)

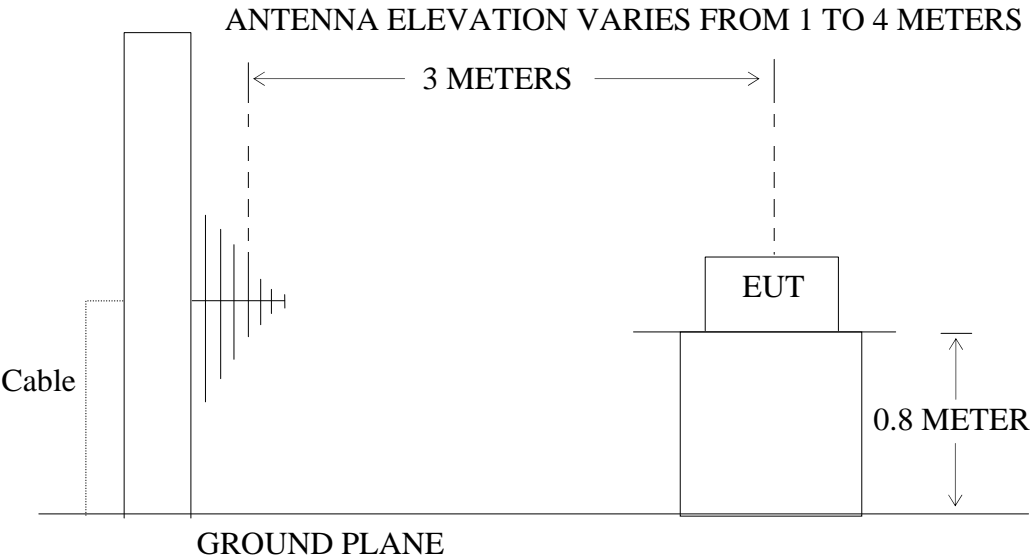
## 4.1. Block Diagram of Test Setup

### 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 $\mu$ 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 : F-208A(MSF11)  
 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:	October 25, 2013	Temperature:	25°C
EUT:	Fm transmitter	Humidity:	50%
Model No.:	F-208A(MSF11)	Power Supply:	DC 12V
Test Mode:	TX 88.1MHz (USB 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	176.2685	59.73	-22.21	37.52	43.50	-5.98
Horizontal	265.6757	59.53	-18.83	40.70	46.00	-5.30
Horizontal	352.9433	56.39	-16.14	40.25	46.00	-5.75
Vertical	176.8877	62.67	-22.14	40.53	43.50	-2.97
Vertical	352.9433	59.38	-16.14	43.24	46.00	-2.76
Vertical	441.7425	57.81	-14.88	42.93	46.00	-3.07

##### Band edge

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.( dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	87.7800	36.20	-21.63	14.57	40.00	-25.43
Horizontal	88.0000	53.57	-21.63	31.94	40.00	-8.06
Horizontal	88.2000	54.00	-21.64	32.36	43.50	-11.14
Horizontal	89.7800	35.18	-21.68	13.50	43.50	-30.00
Vertical	87.7800	34.63	-21.63	13.00	40.00	-27.00
Vertical	88.0000	55.82	-21.63	34.19	40.00	-5.81
Vertical	88.2000	56.32	-21.64	34.68	43.50	-8.82
Vertical	89.7757	32.86	-21.68	11.18	43.50	-32.32

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:	October 25, 2013	Temperature:	25°C
EUT:	Fm transmitter	Humidity:	50%
Model No.:	F-208A(MSF11)	Power Supply:	DC 12V
Test Mode:	TX 98.1MHz (USB 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	196.5098	60.95	-20.42	40.53	43.50	-2.97
Horizontal	393.4723	58.84	-15.69	43.15	46.00	-2.85
Horizontal	588.9049	54.69	-11.90	42.79	46.00	-3.21
Vertical	196.5098	60.52	-20.42	40.10	43.50	-3.40
Vertical	294.1136	60.44	-17.97	42.47	46.00	-3.53
Vertical	392.0951	59.50	-15.71	43.79	46.00	-2.21

#### Band edge

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.( dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	97.0639	33.60	-22.19	11.41	43.50	-32.09
Horizontal	98.0000	53.60	-22.36	31.24	43.50	-12.26
Horizontal	98.2000	54.52	-22.38	32.14	43.50	-11.36
Horizontal	98.9120	33.68	-22.52	11.16	43.50	-32.34
Vertical	97.0960	32.00	-22.20	9.80	43.50	-33.70
Vertical	98.0000	55.73	-22.36	33.37	43.50	-10.13
Vertical	98.2000	56.81	-22.38	34.43	43.50	-9.07
Vertical	98.9038	32.68	-22.51	10.17	43.50	-33.33

#### 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:	October 25, 2013	Temperature:	25°C
EUT:	Fm transmitter	Humidity:	50%
Model No.:	F-208A(MSF11)	Power Supply:	DC 12V
Test Mode:	TX 107.9MHz (USB 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	324.4560	60.09	-17.22	42.87	46.00	-3.13
Horizontal	432.5457	57.01	-15.10	41.91	46.00	-4.09
Horizontal	541.3724	56.16	-13.04	43.12	46.00	-2.88
Vertical	216.0240	61.76	-19.96	41.80	46.00	-4.20
Vertical	324.4560	60.79	-17.22	43.57	46.00	-2.43
Vertical	432.5457	58.29	-15.10	43.19	46.00	-2.81

#### Band edge

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.( dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	107.1200	33.64	-22.61	11.03	43.50	-32.47
Horizontal	107.8000	55.22	-22.51	32.71	43.50	-10.79
Horizontal	108.0000	55.24	-22.46	32.78	43.50	-10.72
Horizontal	108.7360	29.71	-22.35	7.36	43.50	-36.14
Vertical	107.1038	33.20	-22.61	10.59	43.50	-32.91
Vertical	107.8000	56.73	-22.51	34.22	43.50	-9.28
Vertical	108.0000	56.00	-22.46	33.54	43.50	-9.96
Vertical	108.3160	28.76	-22.42	6.34	43.50	-37.16

#### 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>October 25, 2013</u>	Temperature:	<u>25°C</u>
EUT:	<u>Fm transmitter</u>	Humidity:	<u>50%</u>
Model No.:	<u>F-208A(MSF11)</u>	Power Supply:	<u>DC 12V</u>
Test Mode:	<u>TX 88.1MHz (Line in (Connect to iPod ))</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	264.7456	61.83	-18.87	42.96	46.00	-3.04
Horizontal	352.9433	58.29	-16.14	42.15	46.00	-3.85
Horizontal	441.7425	57.26	-14.88	42.38	46.00	-3.62
Vertical	176.2684	62.69	-22.21	40.48	43.50	-3.02
Vertical	265.6757	62.17	-18.83	43.34	46.00	-2.66
Vertical	352.9433	58.33	-16.14	42.19	46.00	-3.81

#### Band edge

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.( dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	87.7680	37.00	-21.63	15.37	40.00	-24.63
Horizontal	88.0000	56.93	-21.63	35.30	40.00	-4.70
Horizontal	88.2000	56.72	-21.64	35.08	43.50	-8.42
Horizontal	89.8160	34.60	-21.68	12.92	43.50	-30.58
Vertical	87.7639	36.22	-21.63	14.59	40.00	-25.41
Vertical	88.0000	56.34	-21.63	34.71	40.00	-5.29
Vertical	88.2000	57.20	-21.64	35.56	43.50	-7.94
Vertical	89.8399	33.34	-21.68	11.66	43.50	-31.84

#### 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:	October 25, 2013	Temperature:	25°C
EUT:	Fm transmitter	Humidity:	50%
Model No.:	F-208A(MSF11)	Power Supply:	DC 12V
Test Mode:	TX 98.1MHz (Line in (Connect to iPod ))	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	196.5098	59.84	-20.42	39.42	43.50	-4.08
Horizontal	294.1136	60.41	-17.97	42.44	46.00	-3.56
Horizontal	392.0951	58.98	-15.71	43.27	46.00	-2.73
Vertical	196.5098	61.61	-20.42	41.19	43.50	-2.31
Vertical	294.1136	60.91	-17.97	42.94	46.00	-3.06
Vertical	392.0951	58.23	-15.71	42.52	46.00	-3.48

#### Band edge

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.( dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	97.6958	33.69	-22.30	11.39	43.50	-32.11
Horizontal	98.0000	54.18	-22.36	31.82	43.50	-11.68
Horizontal	98.2000	55.03	-22.38	32.65	43.50	-10.85
Horizontal	98.9200	34.22	-22.52	11.70	43.50	-31.80
Vertical	97.0960	32.47	-22.20	10.27	43.50	-33.23
Vertical	98.0000	54.30	-22.36	31.94	43.50	-11.56
Vertical	98.2000	53.25	-22.38	30.87	43.50	-12.63
Vertical	98.9120	33.56	-22.52	11.04	43.50	-32.46

#### 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:	October 25, 2013	Temperature:	25°C
EUT:	Fm transmitter	Humidity:	50%
Model No.:	F-208A(MSF11)	Power Supply:	DC 12V
Test Mode:	TX 107.9MHz (Line in (Connect to iPod ))	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	324.4560	60.54	-17.22	43.32	46.00	-2.68
Horizontal	432.5457	56.89	-15.10	41.79	46.00	-4.21
Vertical	216.7828	62.01	-19.96	42.05	46.00	-3.95
Vertical	324.4560	60.44	-17.22	43.22	46.00	-2.78
Vertical	432.5457	56.44	-15.10	41.34	46.00	-4.66

#### Band edge

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.( dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	107.960	32.92	-22.61	10.31	43.50	-33.19
Horizontal	107.8000	56.98	-22.51	34.47	43.50	-9.03
Horizontal	108.0000	57.18	-22.46	34.72	43.50	-8.78
Horizontal	108.3040	28.43	-22.42	6.01	43.50	-37.49
Vertical	107.1200	34.87	-22.61	12.26	43.50	-31.24
Vertical	107.8000	57.99	-22.51	35.48	43.50	-8.02
Vertical	108.0000	58.54	-22.46	36.08	43.50	-7.42
Vertical	108.6919	28.90	-22.36	6.54	43.50	-36.96

#### 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:	October 25, 2013	Temperature:	25°C
EUT:	Fm transmitter	Humidity:	50%
Model No.:	F-208A(MSF11)	Power Supply:	DC 12V
Test Mode:	TX 88.1MHz (SD Card)	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	263.8190	61.12	-18.92	42.20	46.00	-3.80
Horizontal	441.7425	57.87	-14.88	42.99	46.00	-3.01
Horizontal	528.2458	54.78	-13.32	41.46	46.00	-4.65
Vertical	265.6757	61.30	-18.83	42.47	46.00	-3.53
Vertical	352.9433	60.26	-16.14	44.12	46.00	-1.88
Vertical	441.7425	57.34	-14.88	42.46	46.00	-3.54

#### Band edge

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.( dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	87.7960	36.24	-21.63	14.61	40.00	-25.39
Horizontal	88.0000	53.99	-21.63	32.36	40.00	-7.64
Horizontal	88.2000	53.10	-21.64	31.46	43.50	-12.04
Horizontal	89.8080	40.22	-21.68	18.54	43.50	-24.96
Vertical	87.7757	33.28	-21.63	11.65	40.00	-28.35
Vertical	88.0000	54.31	-21.63	32.68	40.00	-7.32
Vertical	88.2000	54.10	-21.64	32.46	43.50	-11.04
Vertical	89.9080	31.76	-21.66	10.10	43.50	-33.40

#### 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:	October 25, 2013	Temperature:	25°C
EUT:	Fm transmitter	Humidity:	50%
Model No.:	F-208A(MSF11)	Power Supply:	DC 12V
Test Mode:	TX 98.1MHz (SD Card)	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	196.5098	61.36	-20.42	40.98	43.50	-2.56
Horizontal	294.1136	61.35	-17.97	43.38	46.00	-2.62
Horizontal	687.1507	53.46	-10.01	43.45	46.00	-2.55
Vertical	196.5098	61.89	-20.42	41.47	43.50	-2.03
Vertical	294.1136	61.27	-17.97	43.30	46.00	-2.70
Vertical	393.4723	57.58	-15.69	41.89	46.00	-4.11

#### Band edge

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.( dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	97.7039	34.22	-22.30	11.92	43.50	-31.58
Horizontal	98.0000	57.80	-22.36	35.44	43.50	-8.06
Horizontal	98.2000	59.24	-22.38	36.86	43.50	-6.64
Horizontal	98.8919	35.20	-22.51	12.69	43.50	-30.81
Vertical	97.7120	32.66	-22.30	10.36	42.50	-33.14
Vertical	98.0000	58.99	-22.36	36.63	43.50	-6.87
Vertical	98.2000	60.10	-22.38	37.72	43.50	-5.78
Vertical	98.9878	36.54	-22.52	14.02	43.50	-29.48

#### 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:	October 25, 2013	Temperature:	25°C
EUT:	Fm transmitter	Humidity:	50%
Model No.:	F-208A(MSF11)	Power Supply:	DC 12V
Test Mode:	TX 107.9MHz (SD Card)	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	216.0240	58.79	-19.96	38.83	46.00	-7.17
Horizontal	324.4560	60.21	-17.22	42.99	46.00	-3.01
Horizontal	432.5457	57.03	-15.10	41.93	46.00	-4.07
Vertical	216.0240	61.48	-19.96	41.52	46.00	-4.48
Vertical	324.4560	60.57	-17.22	43.35	46.00	-2.65
Vertical	432.5457	56.97	-15.10	41.87	46.00	-4.13

#### Band edge

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.( dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	107.0960	33.62	-22.61	11.01	43.50	-32.49
Horizontal	107.8000	59.40	-22.51	36.89	43.50	-6.61
Horizontal	108.0000	57.68	-22.46	35.22	43.50	-8.28
Horizontal	108.3199	31.43	-22.42	9.01	43.50	-34.49
Vertical	107.1038	30.63	-22.61	8.02	43.50	-35.48
Vertical	107.8000	56.42	-22.51	33.91	43.50	-9.59
Vertical	108.0000	57.61	-22.46	35.15	43.50	-8.35
Vertical	108.7078	27.86	-22.36	5.50	43.50	-38.00

#### 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:  

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

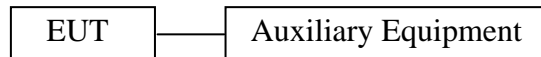
$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$
3. The spectral diagrams in appendix I display the measurement of peak values.

## 5. FUNDAMENTAL RADIATED EMISSION FOR FCC PART 15

### SECTION 15.239(B)

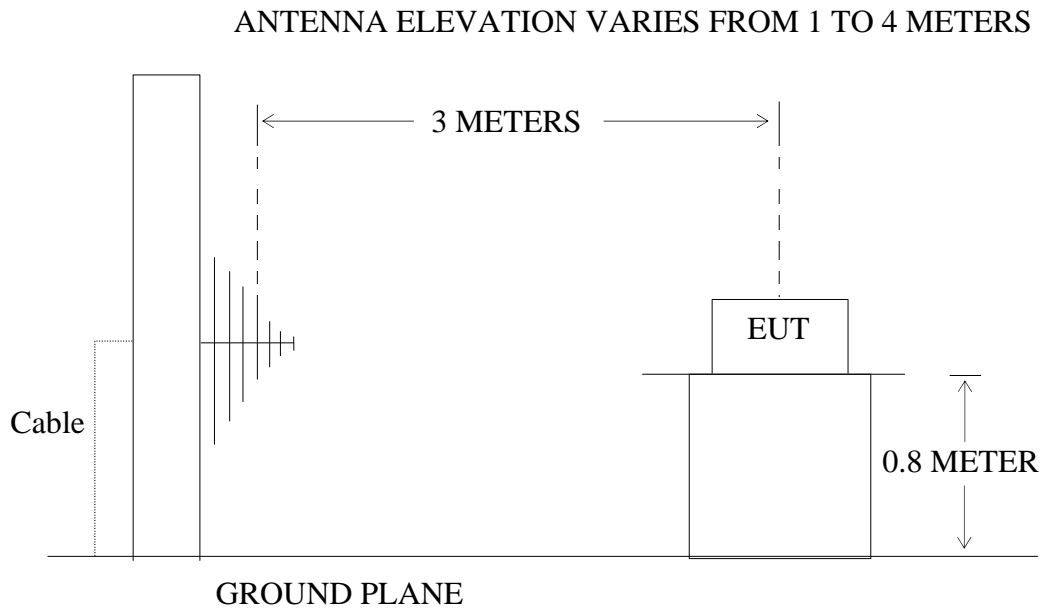
#### 5.1. Block Diagram of Test Setup

##### 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 : F-208A(MSF11)  
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:	October 25, 2013	Temperature:	25°C
EUT:	Fm transmitter	Humidity:	50%
Model No.:	F-208A(MSF11)	Power Supply:	DC 12V
Test Mode:	TX 88.1MHz (USB 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	57.63	62.18	-21.64	35.99	40.54	48.00	68.00	-12.01	-27.46	Horizontal
88.1000	61.22	65.89	-21.64	39.58	44.25	48.00	68.00	-8.42	-23.75	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:	October 25, 2013	Temperature:	25°C
EUT:	Fm transmitter	Humidity:	50%
Model No.:	F-208A(MSF11)	Power Supply:	DC 12V
Test Mode:	TX 98.1MHz (USB 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	60.10	65.17	-22.37	37.73	42.80	48.00	68.00	-10.27	25.20	Horizontal
98.1000	64.71	68.73	-22.7	42.34	46.36	48.00	68.00	-5.66	-21.64	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:	October 25, 2013	Temperature:	25°C
EUT:	Fm transmitter	Humidity:	50%
Model No.:	F-208A(MSF11)	Power Supply:	DC 12V
Test Mode:	TX 107.9MHz (USB 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	62.74	67.04	-22.49	40.25	44.55	48.00	68.00	-7.75	-23.45	Horizontal
107.9000	65.00	68.30	-22.49	42.51	45.81	48.00	68.00	-5.49	-22.19	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:	October 25, 2013	Temperature:	25°C
EUT:	Fm transmitter	Humidity:	50%
Model No.:	F-208A(MSF11)	Power Supply:	DC 12V
Test Mode:	TX 88.1MHz (Line in (Connect to iPod ))	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	59.35	64.52	-21.64	37.71	42.88	48.00	68.00	-10.29	-25.12	Horizontal
88.1000	63.21	67.16	-21.64	41.57	45.52	48.00	68.00	-6.43	-22.48	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:	October 25, 2013	Temperature:	25°C
EUT:	Fm transmitter	Humidity:	50%
Model No.:	F-208A(MSF11)	Power Supply:	DC 12V
Test Mode:	TX 98.1MHz (Line in (Connect to iPod ))	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	61.47	66.43	-22.37	39.10	44.06	48.00	68.00	-8.90	-23.94	Horizontal
98.1000	62.89	67.93	-22.37	40.52	45.56	48.00	68.00	-7.48	-22.44	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:	October 25, 2013	Temperature:	25°C
EUT:	Fm transmitter	Humidity:	50%
Model No.:	F-208A(MSF11)	Power Supply:	DC 12V
Test Mode:	TX 107.9MHz (Line in (Connect to iPod ))	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	60.24	65.96	-22.49	37.75	43.47	48.00	68.00	-10.25	-24.53	Horizontal
107.9000	65.93	69.00	-22.49	43.44	46.51	48.00	68.00	-4.56	-21.49	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:	October 25, 2013	Temperature:	25°C
EUT:	Fm transmitter	Humidity:	50%
Model No.:	F-208A(MSF11)	Power Supply:	DC 12V
Test Mode:	TX 88.1MHz (SD Card)	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	60.00	64.05	-21.64	38.36	42.41	48.00	68.00	-9.64	-25.59	Horizontal
88.1000	62.36	66.38	-21.64	40.72	44.74	48.00	68.00	-7.28	-23.26	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:	October 25, 2013	Temperature:	25°C
EUT:	Fm transmitter	Humidity:	50%
Model No.:	F-208A(MSF11)	Power Supply:	DC 12V
Test Mode:	TX 98.1MHz (SD Card)	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	59.75	64.38	-22.37	37.38	42.01	48.00	68.00	-10.62	-25.99	Horizontal
98.1000	64.37	68.13	-22.37	42.00	45.76	48.00	68.00	-6.00	-22.24	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:	October 25, 2013	Temperature:	25°C
EUT:	Fm transmitter	Humidity:	50%
Model No.:	F-208A(MSF11)	Power Supply:	DC 12V
Test Mode:	TX 107.9MHz (SD Card)	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	63.25	67.29	-22.49	40.76	44.80	48.00	68.00	-7.24	-23.20	Horizontal
107.9000	64.27	68.35	-22.49	41.78	45.86	48.00	68.00	-6.22	-22.14	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.

## **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	:	F-208A(MSF11)
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.**

USB disk

<b>Frequency (MHz)</b>	<b>Occupied Bandwidth (kHz)</b>
88.1	102.6
98.1	102.6
107.9	102.0

Line in (Connect to iPod )

<b>Frequency (MHz)</b>	<b>Occupied Bandwidth (kHz)</b>
88.1	114.0
98.1	102.0
107.9	103.8

SD Card

<b>Frequency (MHz)</b>	<b>Occupied Bandwidth (kHz)</b>
88.1	102.6
98.1	102.6
107.9	102.0

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 : F-208A(MSF11)  
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.**

USB disk

<b>Display of the EUT LED (MHz)</b>	<b>Display of the EMI test receiver (MHz)</b>
88.1	88.1140
98.1	98.0520
107.9	107.8526

Line in (Connect to iPod )

<b>Display of the EUT LED (MHz)</b>	<b>Display of the EMI test receiver (MHz)</b>
88.1	88.1600
98.1	98.0520
107.9	107.8514

SD Card

<b>Display of the EUT LED (MHz)</b>	<b>Display of the EMI test receiver (MHz)</b>
88.1	88.1140
98.1	98.0520
107.9	107.8526

The working frequency rang is from 88.1 to 107.9MHz.

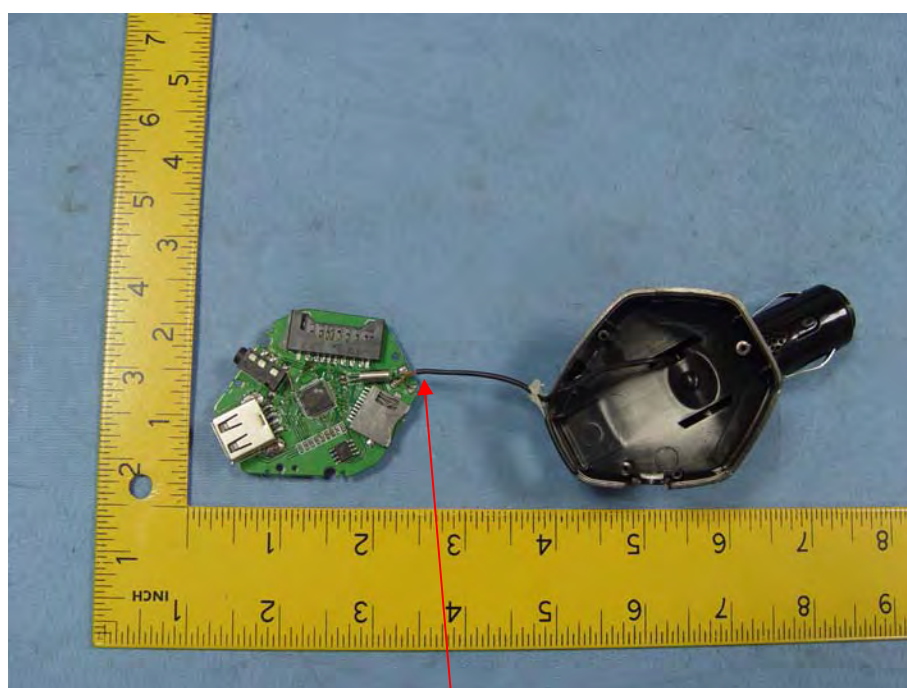
## 8. ANTENNA REQUIREMENT

### 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: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #3410

Standard: FCC PART 15 (FMT)

Test item: Radiation Test

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

EUT: FM transmitter

Mode: FM 88.1MHz(USB disk)

Model: F-208A(MSF11)

Manufacturer: DAZA

Polarization: Horizontal

Power Source: DC 12V

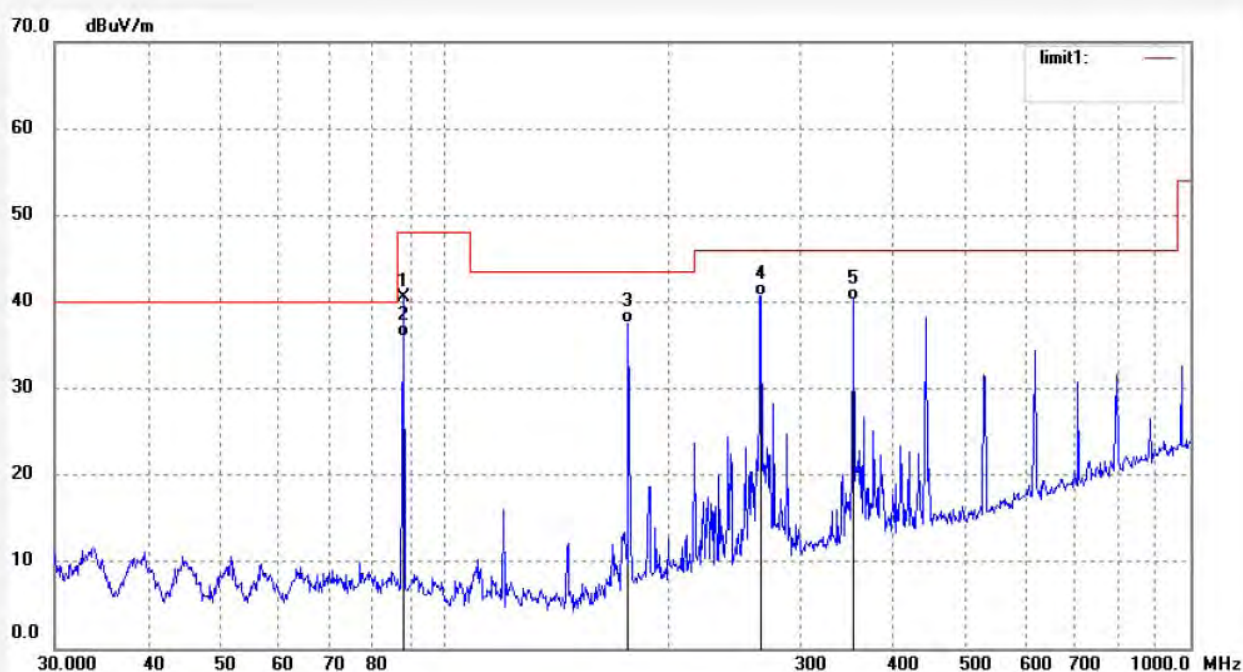
Date: 13/10/25/

Time: 9/14/58

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132273



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	62.18	-21.64	40.54	68.00	-27.46	peak			
2	88.1000	57.63	-21.64	35.99	48.00	-12.01	AVG			
3	176.2685	59.73	-22.21	37.52	43.50	-5.98	QP			
4	265.6757	59.53	-18.83	40.70	46.00	-5.30	QP			
5	352.9433	56.39	-16.14	40.25	46.00	-5.75	QP			





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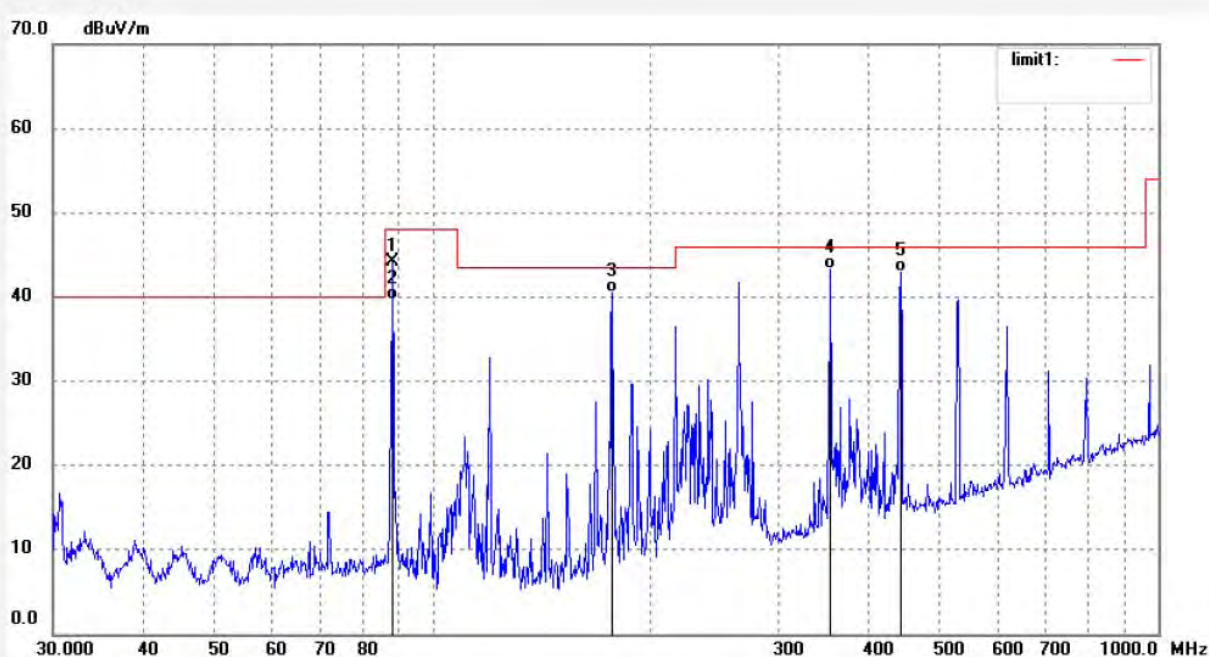
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: star #3411  
Standard: FCC PART 15 (FMT)  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 55 %  
EUT: FM transmitter  
Mode: FM 88.1MHz(USB disk)  
Model: F-208A(MSF11)  
Manufacturer: DAZA

Polarization: Vertical  
Power Source: DC 12V  
Date: 13/10/25/  
Time: 9/17/54  
Engineer Signature:  
Distance: 3m

Note: Report No.:ATE20132273



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	65.89	-21.64	44.25	68.00	-23.75	peak			
2	88.1000	61.22	-21.64	39.58	48.00	-8.42	AVG			
3	176.8877	62.67	-22.14	40.53	43.50	-2.97	QP			
4	352.9433	59.38	-16.14	43.24	46.00	-2.76	QP			
5	441.7425	57.81	-14.88	42.93	46.00	-3.07	QP			



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Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #3420

Standard: FCC PART 15 (FMT)

Test item: Radiation Test

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

EUT: FM transmitter

Mode: FM 98.1MHz(USB disk)

Model: F-208A(MSF11)

Manufacturer: DAZA

Polarization: Horizontal

Power Source: DC 12V

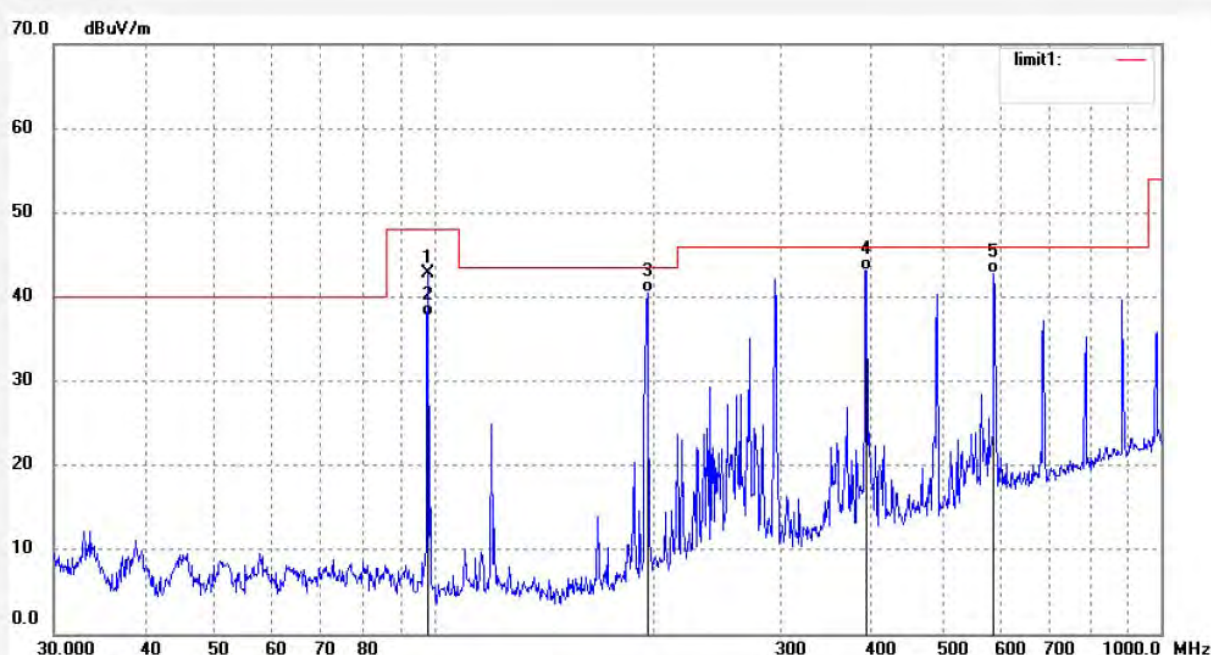
Date: 13/10/25/

Time: 9/52/44

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132273



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	65.17	-22.37	42.80	68.00	-25.20	peak			
2	98.1000	60.10	-22.37	37.73	48.00	-10.27	AVG			
3	196.5098	60.95	-20.42	40.53	43.50	-2.97	QP			
4	393.4723	58.84	-15.69	43.15	46.00	-2.85	QP			
5	588.9049	54.69	-11.90	42.79	46.00	-3.21	QP			





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Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #3421

Standard: FCC PART 15 (FMT)

Test item: Radiation Test

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

EUT: FM transmitter

Mode: FM 98.1MHz(USB disk)

Model: F-208A(MSF11)

Manufacturer: DAZA

Polarization: Vertical

Power Source: DC 12V

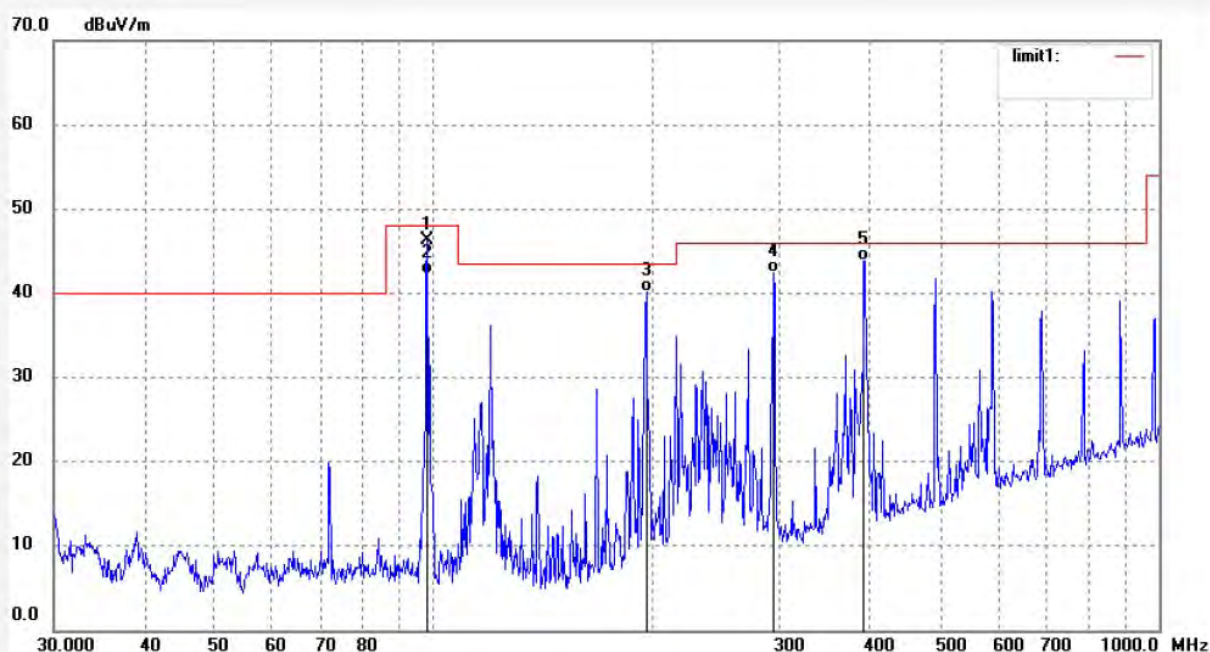
Date: 13/10/25/

Time: 9/55/06

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132273



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	68.73	-22.37	46.36	68.00	-21.64	peak			
2	98.1000	64.71	-22.37	42.34	48.00	-5.66	AVG			
3	196.5098	60.52	-20.42	40.10	43.50	-3.40	QP			
4	294.1136	60.44	-17.97	42.47	46.00	-3.53	QP			
5	392.0951	59.50	-15.71	43.79	46.00	-2.21	QP			



# **ACCURATE TECHNOLOGY CO., LTD.**

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Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #3424

Standard: FCC PART 15 (FMT)

Test item: Radiation Test

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

EUT: FM transmitter

Mode: FM 107.9MHz(USB disk)

Model: F-208A(MSF11)

Manufacturer: DAZA

Polarization: Horizontal

Power Source: DC 12V

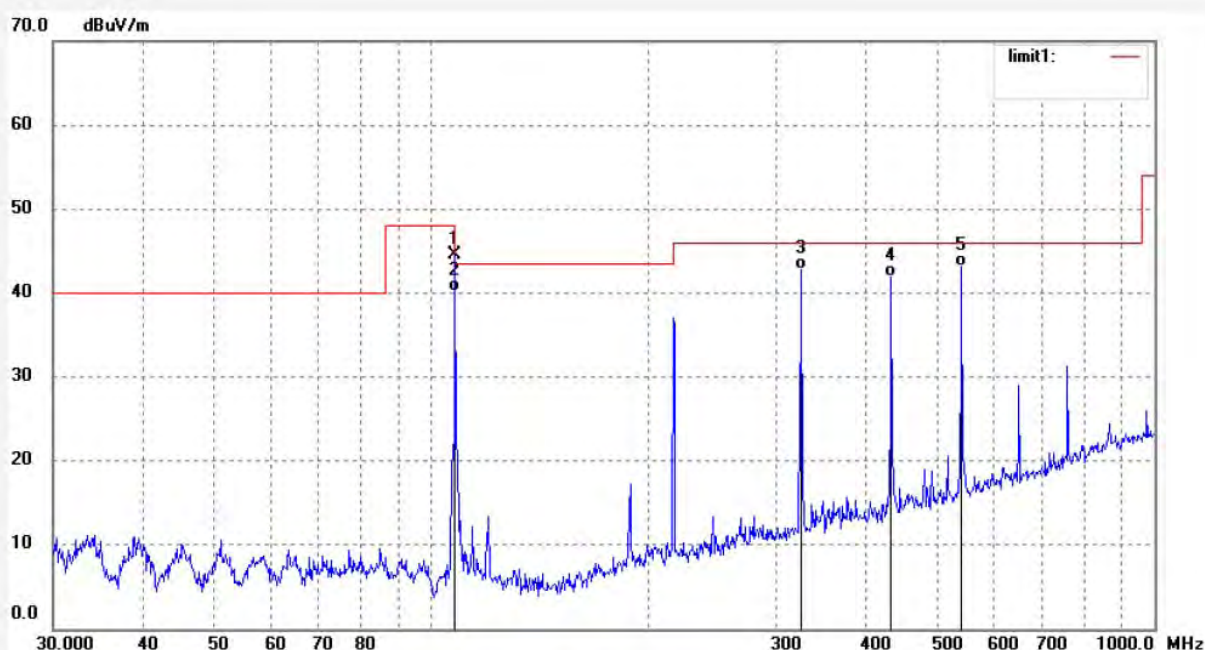
Date: 13/10/25/

Time: 14/16/03

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132273



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	67.04	-22.49	44.55	68.00	-23.45	peak			
2	107.9000	62.74	-22.49	40.25	48.00	-7.75	AVG			
3	324.4560	60.09	-17.22	42.87	46.00	-3.13	QP			
4	432.5457	57.01	-15.10	41.91	46.00	-4.09	QP			
5	541.3724	56.16	-13.04	43.12	46.00	-2.88	QP			





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Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #3425

Standard: FCC PART 15 (FMT)

Test item: Radiation Test

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

EUT: FM transmitter

Mode: FM 107.9MHz(USB disk)

Model: F-208A(MSF11)

Manufacturer: DAZA

Polarization: Vertical

Power Source: DC 12V

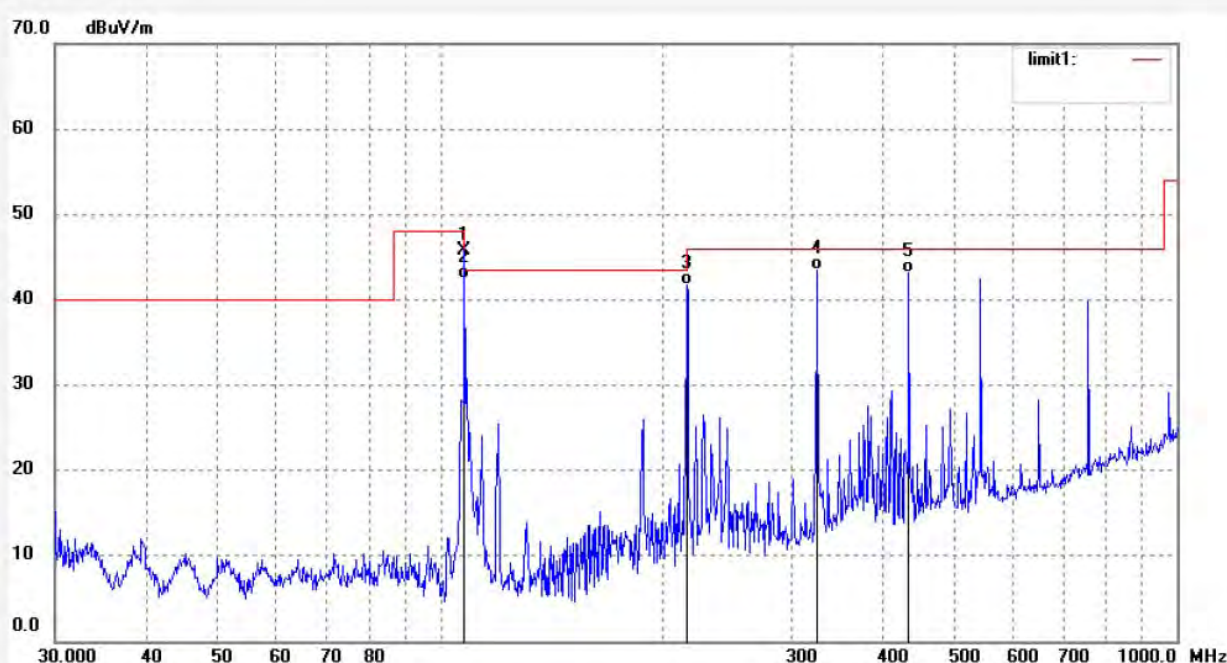
Date: 13/10/25/

Time: 14/19/40

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132273



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	68.30	-22.49	45.81	68.00	-22.19	peak			
2	107.9000	65.00	-22.49	42.51	48.00	-5.49	AVG			
3	216.0240	61.76	-19.96	41.80	46.00	-4.20	QP			
4	324.4560	60.79	-17.22	43.57	46.00	-2.43	QP			
5	432.5457	58.29	-15.10	43.19	46.00	-2.81	QP			



# ACCURATE TECHNOLOGY CO., LTD.

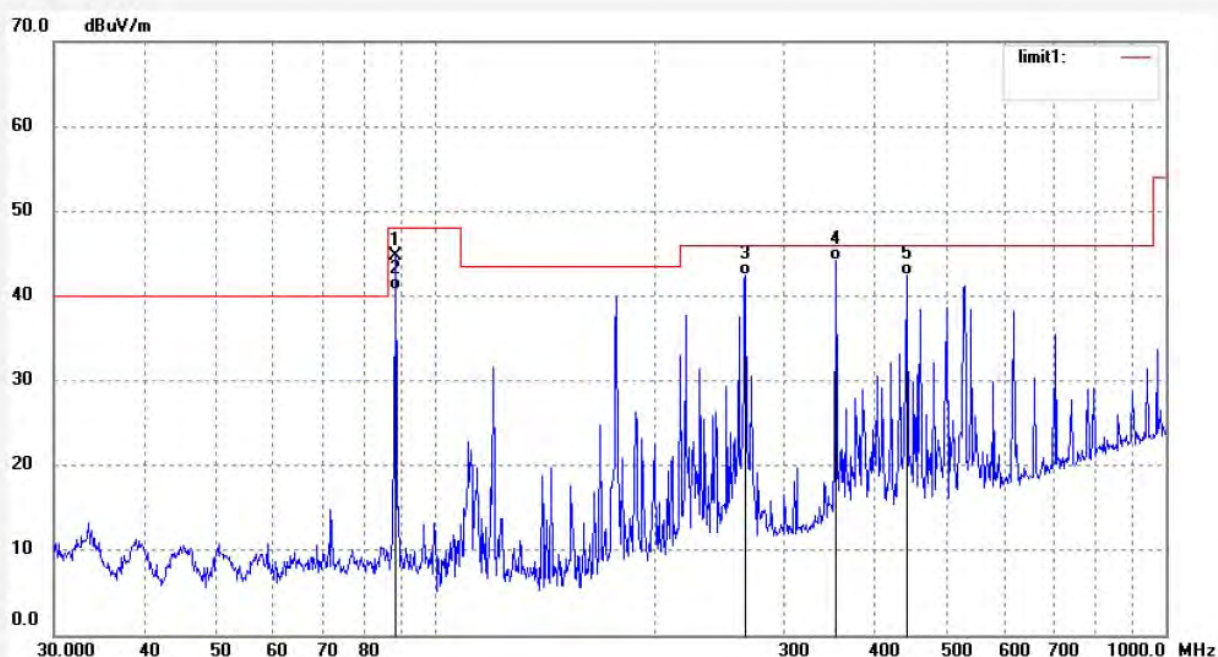
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: star #3412  
Standard: FCC PART 15 (FMT)  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 55 %  
EUT: FM transmitter  
Mode: FM 88.1MHz(SD card)  
Model: F-208A(MSF11)  
Manufacturer: DAZA

Polarization: Vertical  
Power Source: DC 12V  
Date: 13/10/25/  
Time: 9/22/32  
Engineer Signature:  
Distance: 3m

Note: Report No.:ATE20132273



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	66.38	-21.64	44.74	68.00	-23.26	peak			
2	88.1000	62.36	-21.64	40.72	48.00	-7.28	AVG			
3	265.6757	61.30	-18.83	42.47	46.00	-3.53	QP			
4	352.9433	60.26	-16.14	44.12	46.00	-1.88	QP			
5	441.7425	57.34	-14.88	42.46	46.00	-3.54	QP			





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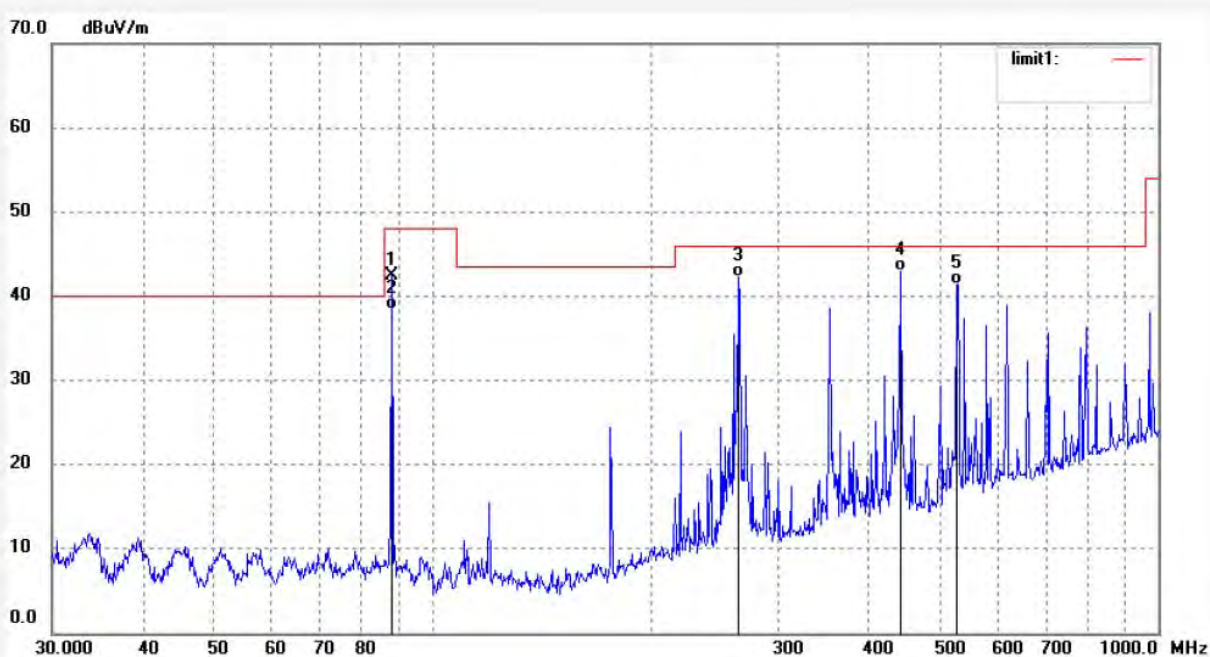
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: star #3413  
Standard: FCC PART 15 (FMT)  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 55 %  
EUT: FM transmitter  
Mode: FM 88.1MHz(SD card)  
Model: F-208A(MSF11)  
Manufacturer: DAZA

Polarization: Horizontal  
Power Source: DC 12V  
Date: 13/10/25/  
Time: 9/26/41  
Engineer Signature:  
Distance: 3m

Note: Report No.:ATE20132273



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	64.05	-21.64	42.41	68.00	-25.59	peak			
2	88.1000	60.00	-21.64	38.36	48.00	-9.64	AVG			
3	263.8190	61.12	-18.92	42.20	46.00	-3.80	QP			
4	441.7425	57.87	-14.88	42.99	46.00	-3.01	QP			
5	528.2458	54.78	-13.32	41.46	46.00	-4.54	QP			



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

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #3418

Standard: FCC PART 15 (FMT)

Test item: Radiation Test

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

EUT: FM transmitter

Mode: FM 98.1MHz(SD card)

Model: F-208A(MSF11)

Manufacturer: DAZA

Polarization: Vertical

Power Source: DC 12V

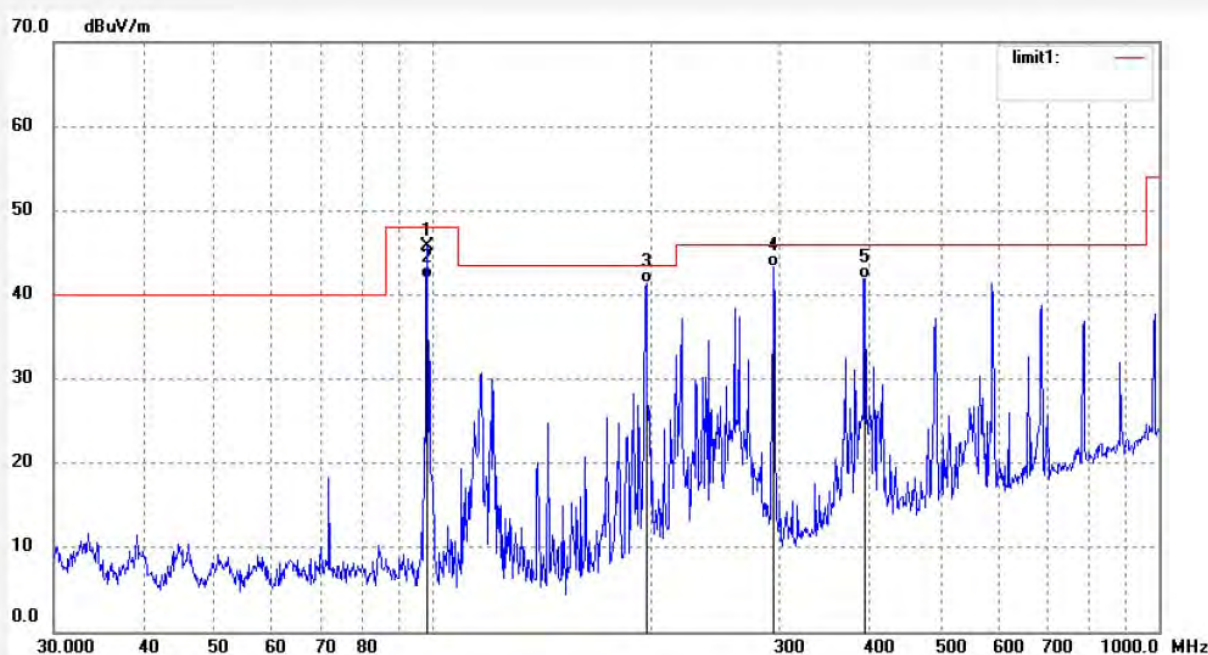
Date: 13/10/25/

Time: 9/45/40

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132273



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	68.13	-22.37	45.76	68.00	-22.24	peak			
2	98.1000	64.37	-22.37	42.00	48.00	-6.00	AVG			
3	196.5098	61.89	-20.42	41.47	43.50	-2.03	QP			
4	294.1136	61.27	-17.97	43.30	46.00	-2.70	QP			
5	393.4723	57.58	-15.69	41.89	46.00	-4.11	QP			





# ACCURATE TECHNOLOGY CO., LTD.

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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 #3419

Standard: FCC PART 15 (FMT)

Test item: Radiation Test

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

EUT: FM transmitter

Mode: FM 98.1MHz(SD card)

Model: F-208A(MSF11)

Manufacturer: DAZA

Polarization: Horizontal

Power Source: DC 12V

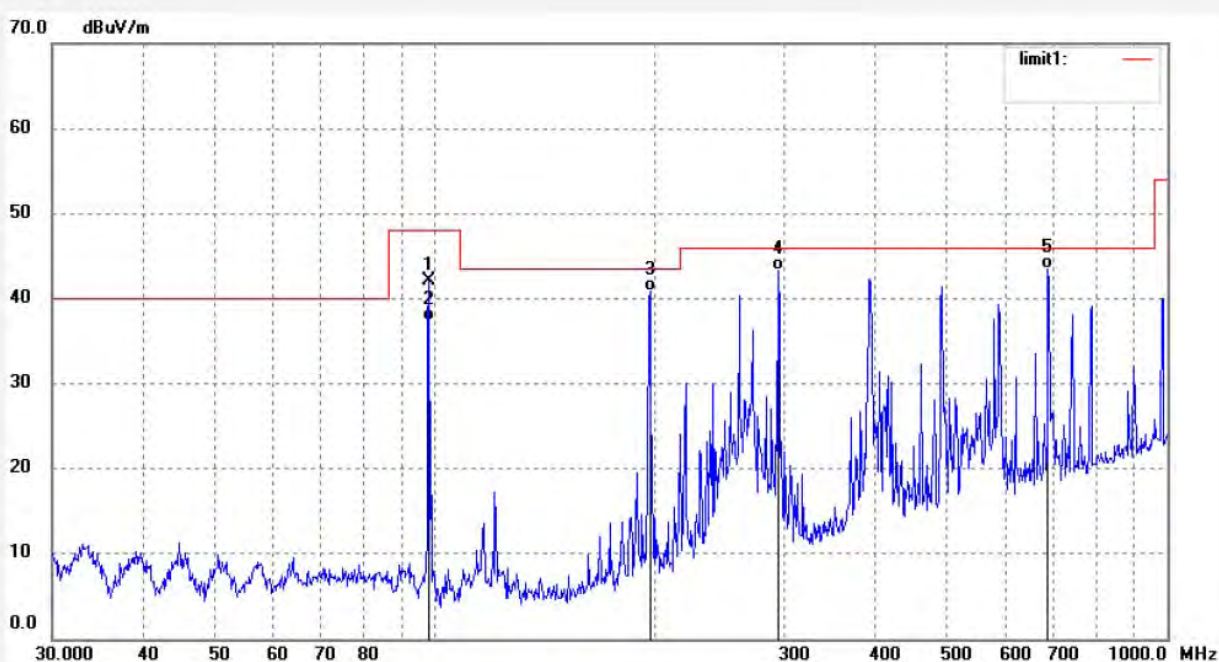
Date: 13/10/25/

Time: 9/48/08

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132273



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	64.38	-22.37	42.01	68.00	-25.99	peak			
2	98.1000	59.75	-22.37	37.38	48.00	-10.62	AVG			
3	196.5098	61.36	-20.42	40.94	43.50	-2.56	QP			
4	294.1136	61.35	-17.97	43.38	46.00	-2.62	QP			
5	687.1507	53.46	-10.01	43.45	46.00	-2.55	QP			



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

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

Job No.: star #3426

Standard: FCC PART 15 (FMT)

Test item: Radiation Test

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

EUT: FM transmitter

Mode: FM 107.9MHz(SD card)

Model: F-208A(MSF11)

Manufacturer: DAZA

Polarization: Vertical

Power Source: DC 12V

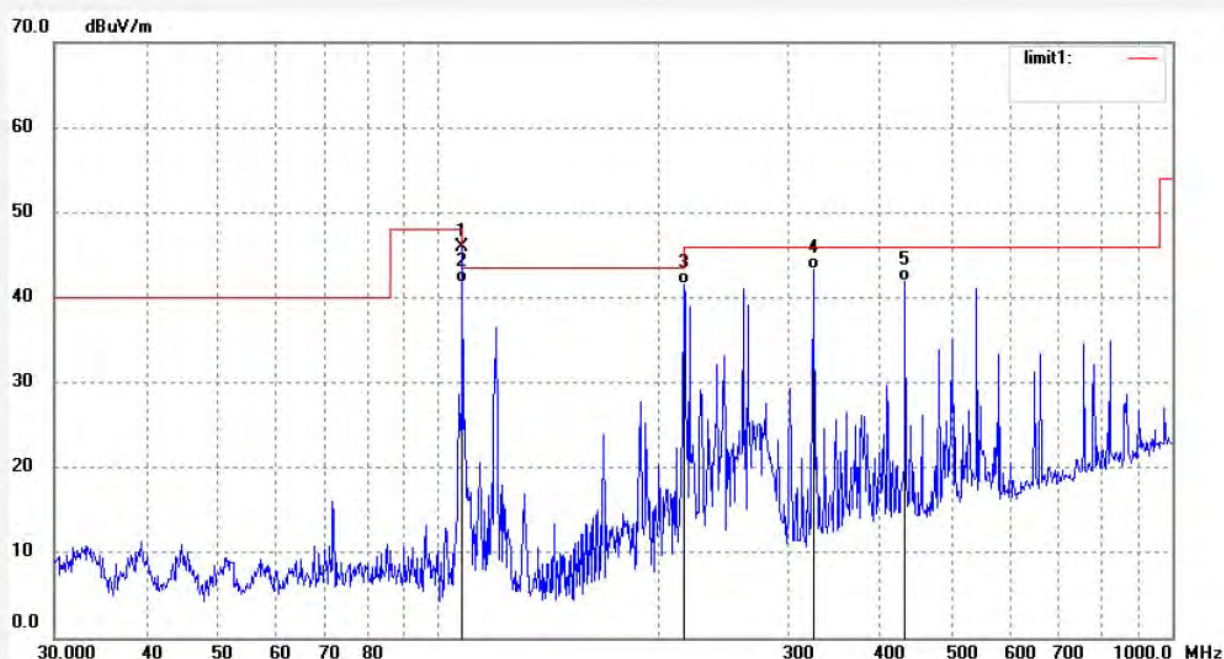
Date: 13/10/25/

Time: 14/22/10

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132273



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	68.35	-22.49	45.86	68.00	-22.14	peak			
2	107.9000	64.27	-22.49	41.78	48.00	-6.22	AVG			
3	216.0240	61.48	-19.96	41.52	46.00	-4.48	QP			
4	324.4560	60.57	-17.22	43.35	46.00	-2.65	QP			
5	432.5457	56.97	-15.10	41.87	46.00	-4.13	QP			





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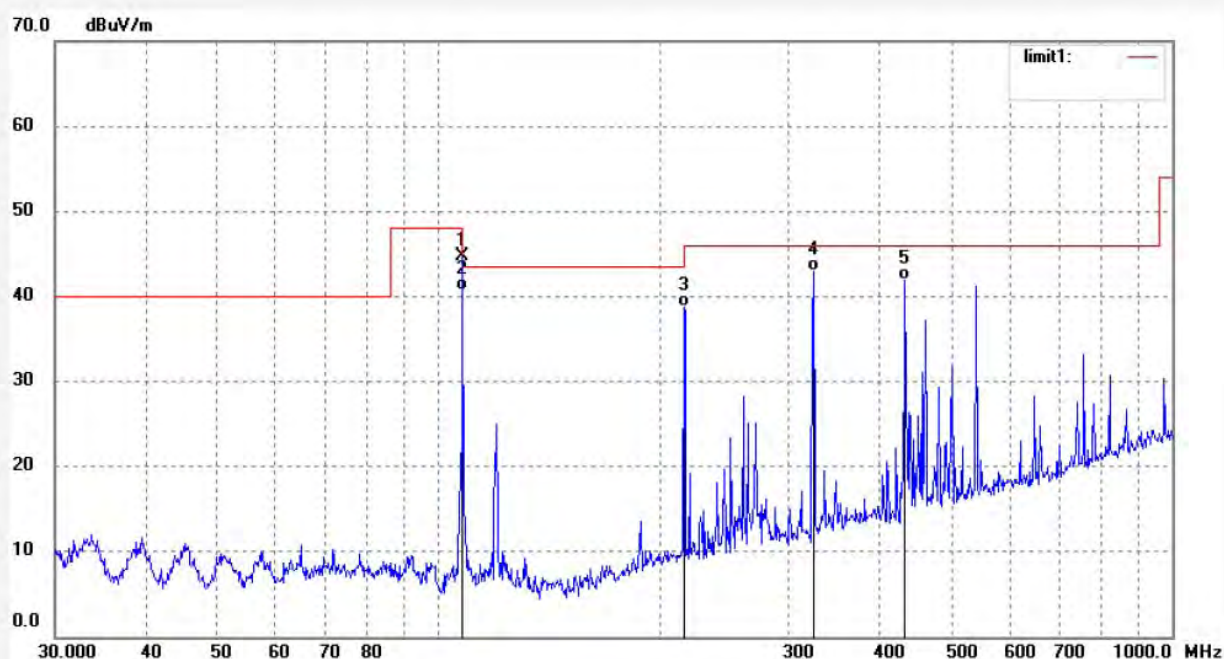
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: star #3427  
Standard: FCC PART 15 (FMT)  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 55 %  
EUT: FM transmitter  
Mode: FM 107.9MHz(SD card)  
Model: F-208A(MSF11)  
Manufacturer: DAZA

Polarization: Horizontal  
Power Source: DC 12V  
Date: 13/10/25/  
Time: 14/25/27  
Engineer Signature:  
Distance: 3m

Note: Report No.:ATE20132273



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	67.29	-22.49	44.80	68.00	-23.20	peak			
2	107.9000	63.25	-22.49	40.76	48.00	-7.24	AVG			
3	216.0240	58.79	-19.96	38.83	46.00	-7.17	QP			
4	324.4560	60.21	-17.22	42.99	46.00	-3.01	QP			
5	432.5457	57.03	-15.10	41.93	46.00	-4.07	QP			



# ACCURATE TECHNOLOGY CO., LTD.

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Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #3414

Standard: FCC PART 15 (FMT)

Test item: Radiation Test

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

EUT: FM transmitter

Mode: FM 88.1MHz (Line in (Connect to iPod ))

Model: F-208A(MSF11)

Manufacturer: DAZA

Polarization: Horizontal

Power Source: DC 12V

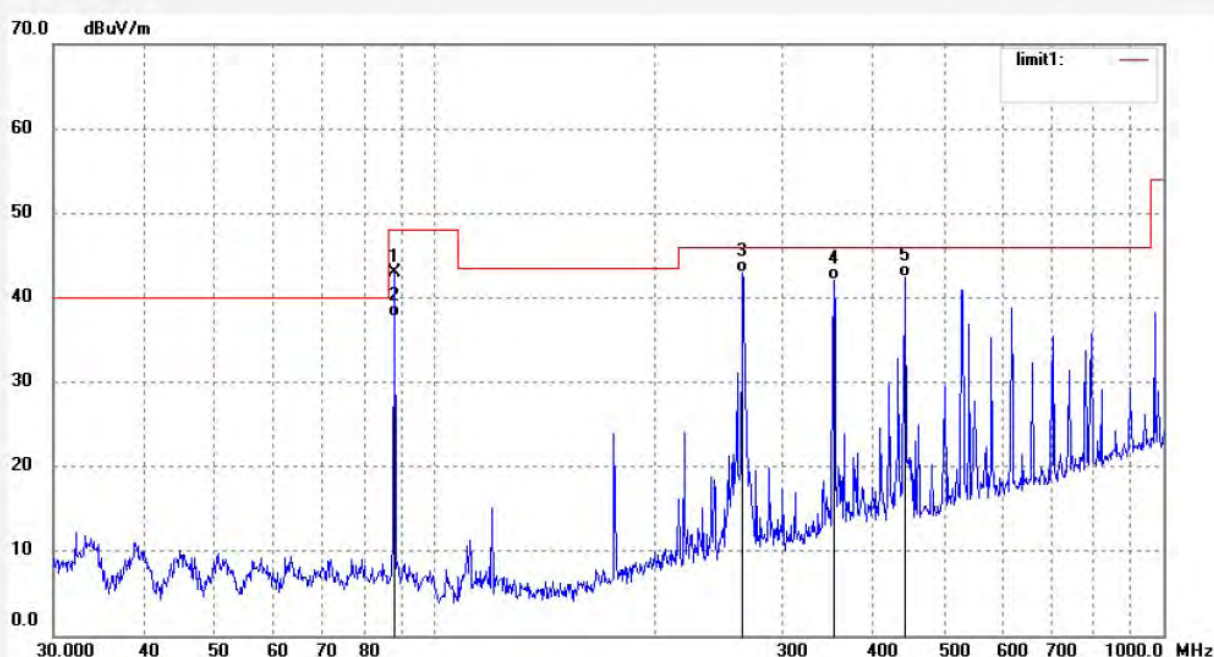
Date: 13/10/25/

Time: 9/30/55

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132273



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	64.52	-21.64	42.88	68.00	-25.12	peak			
2	88.1000	59.35	-21.64	37.71	48.00	-10.29	AVG			
3	264.7456	61.83	-18.87	42.96	46.00	-3.04	QP			
4	352.9433	58.29	-16.14	42.15	46.00	-3.85	QP			
5	441.7425	57.26	-14.88	42.38	46.00	-3.62	QP			





# **ACCURATE TECHNOLOGY CO., LTD.**

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

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

Job No.: star #3415

Standard: FCC PART 15 (FMT)

Test item: Radiation Test

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

EUT: FM transmitter

Mode: FM 88.1MHz(Line in (Connect to iPod ))

Model: F-208A(MSF11)

Manufacturer: DAZA

Polarization: Vertical

Power Source: DC 12V

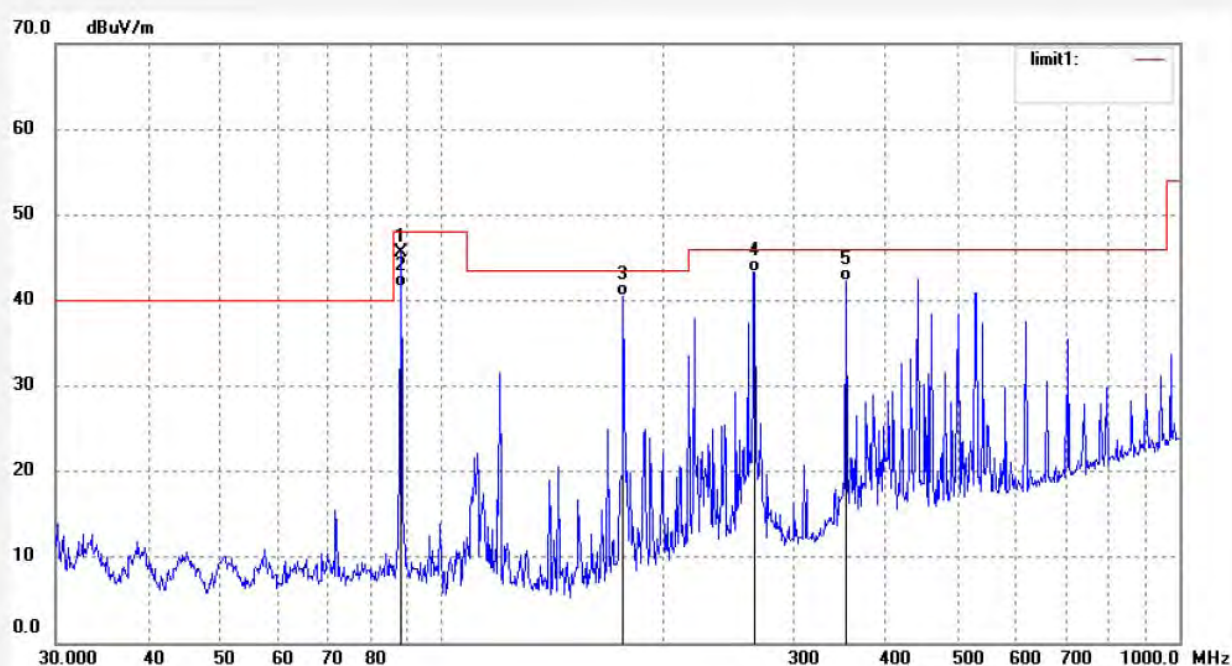
Date: 13/10/25/

Time: 9/34/43

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132273



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	67.16	-21.64	45.52	68.00	-22.48	peak			
2	88.1000	63.21	-21.64	41.57	48.00	-6.43	AVG			
3	176.2684	62.69	-22.21	40.48	43.50	-3.02	QP			
4	265.6757	62.17	-18.83	43.34	46.00	-2.66	QP			
5	352.9433	58.33	-16.14	42.19	46.00	-3.81	QP			



# ACCURATE TECHNOLOGY CO., LTD.

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

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

Job No.: star #3416

Standard: FCC PART 15 (FMT)

Test item: Radiation Test

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

EUT: FM transmitter

Mode: FM 98.1MHz(Line in (Connect to iPod ))

Model: F-208A(MSF11)

Manufacturer: DAZA

Polarization: Horizontal

Power Source: DC 12V

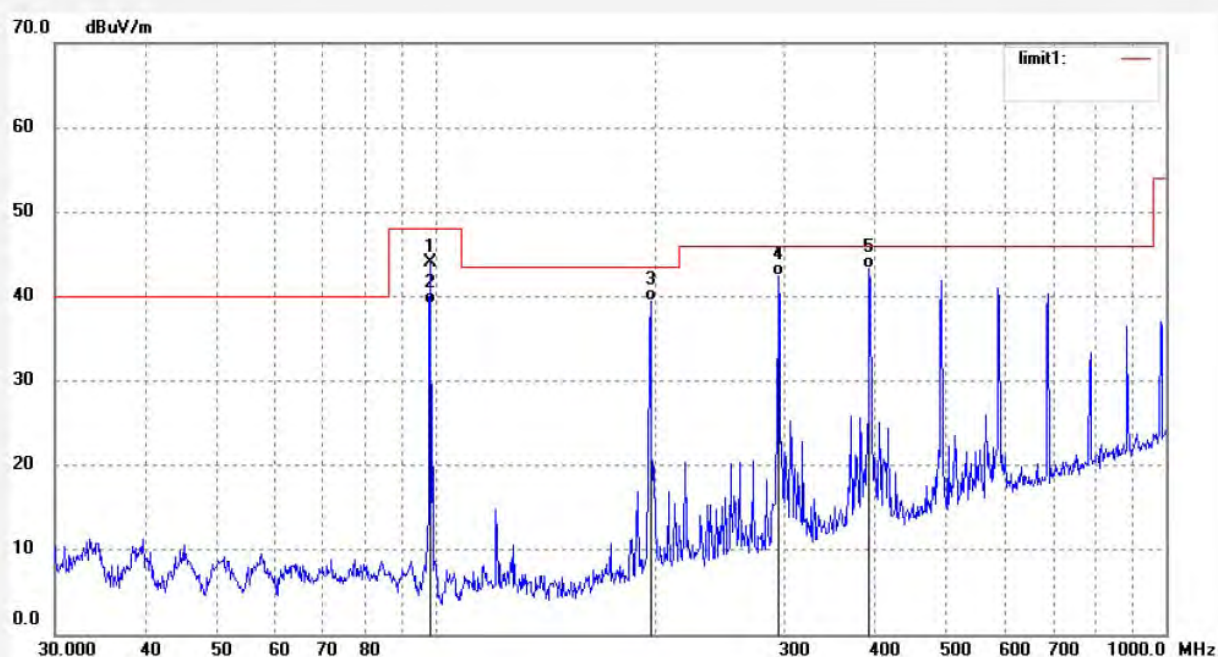
Date: 13/10/25/

Time: 9/39/37

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132273



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	66.43	-22.37	44.06	68.00	-23.94	peak			
2	98.1000	61.47	-22.37	39.10	48.00	-8.90	AVG			
3	196.5098	59.84	-20.42	39.42	43.50	-4.08	QP			
4	294.1136	60.41	-17.97	42.44	46.00	-3.56	QP			
5	392.0951	58.98	-15.71	43.27	46.00	-2.73	QP			





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Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #3417

Standard: FCC PART 15 (FMT)

Test item: Radiation Test

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

EUT: FM transmitter

Mode: FM 98.1MHz(Line in (Connect to iPod ))

Model: F-208A(MSF11)

Manufacturer: DAZA

Polarization: Vertical

Power Source: DC 12V

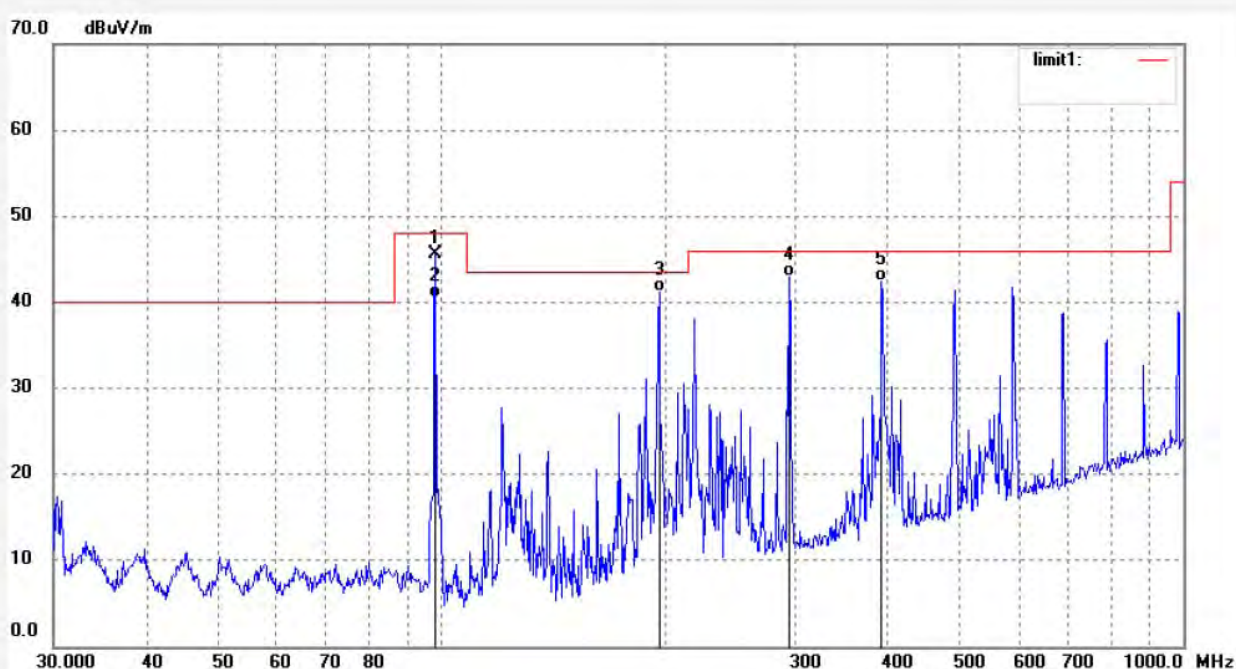
Date: 13/10/25/

Time: 9/41/50

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132273



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	67.93	-22.37	45.56	68.00	-22.44	peak			
2	98.1000	62.89	-22.37	40.52	48.00	-7.48	AVG			
3	196.5098	61.61	-20.42	41.19	43.50	-2.31	QP			
4	294.1136	60.91	-17.97	42.94	46.00	-3.06	QP			
5	392.0951	58.23	-15.71	42.52	46.00	-3.48	QP			



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

Job No.: star #3422

Standard: FCC PART 15 (FMT)

Test item: Radiation Test

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

EUT: FM transmitter

Mode: FM 107.9MHz(Line in (Connect to iPod ))

Model: F-208A(MSF11)

Manufacturer: DAZA

Polarization: Vertical

Power Source: DC 12V

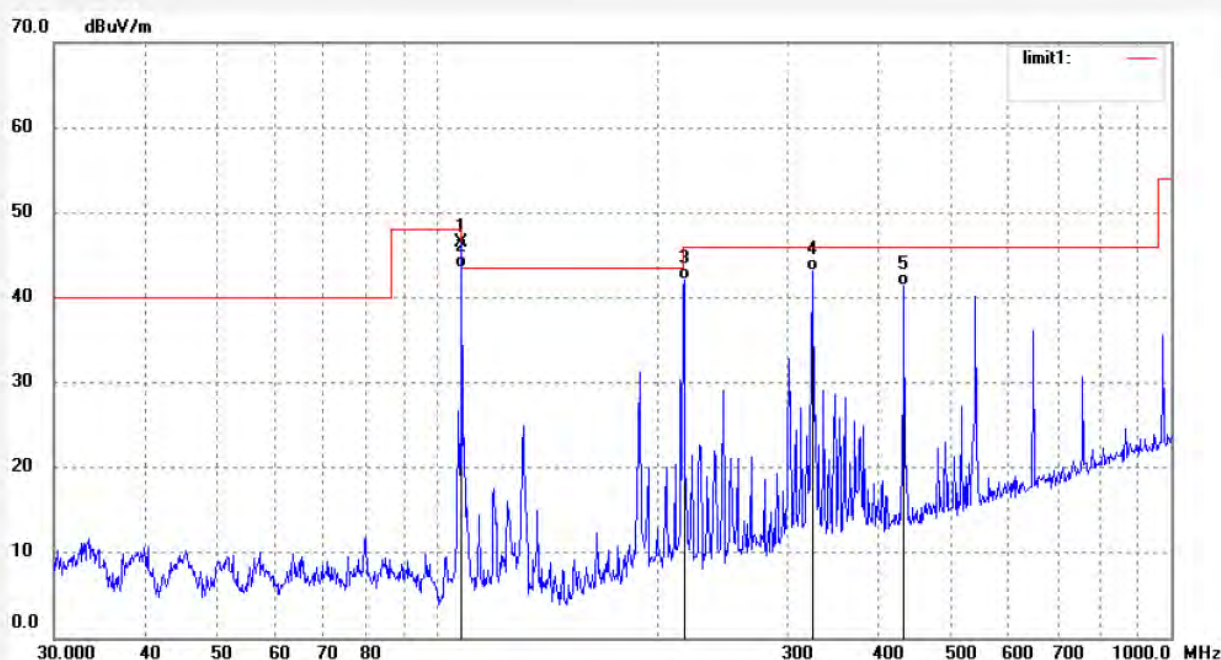
Date: 13/10/25/

Time: 14/09/31

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132273



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	69.00	-22.49	46.51	68.00	-21.49	peak			
2	107.9000	65.93	-22.49	43.44	48.00	-4.56	AVG			
3	216.7828	62.01	-19.96	42.05	46.00	-3.95	QP			
4	324.4560	60.44	-17.22	43.22	46.00	-2.78	QP			
5	432.5457	56.44	-15.10	41.34	46.00	-4.66	QP			





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Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #3423

Standard: FCC PART 15 (FMT)

Test item: Radiation Test

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

EUT: FM transmitter

Mode: FM 107.9MHz(Line in (Connect to iPod ))

Model: F-208A(MSF11)

Manufacturer: DAZA

Polarization: Horizontal

Power Source: DC 12V

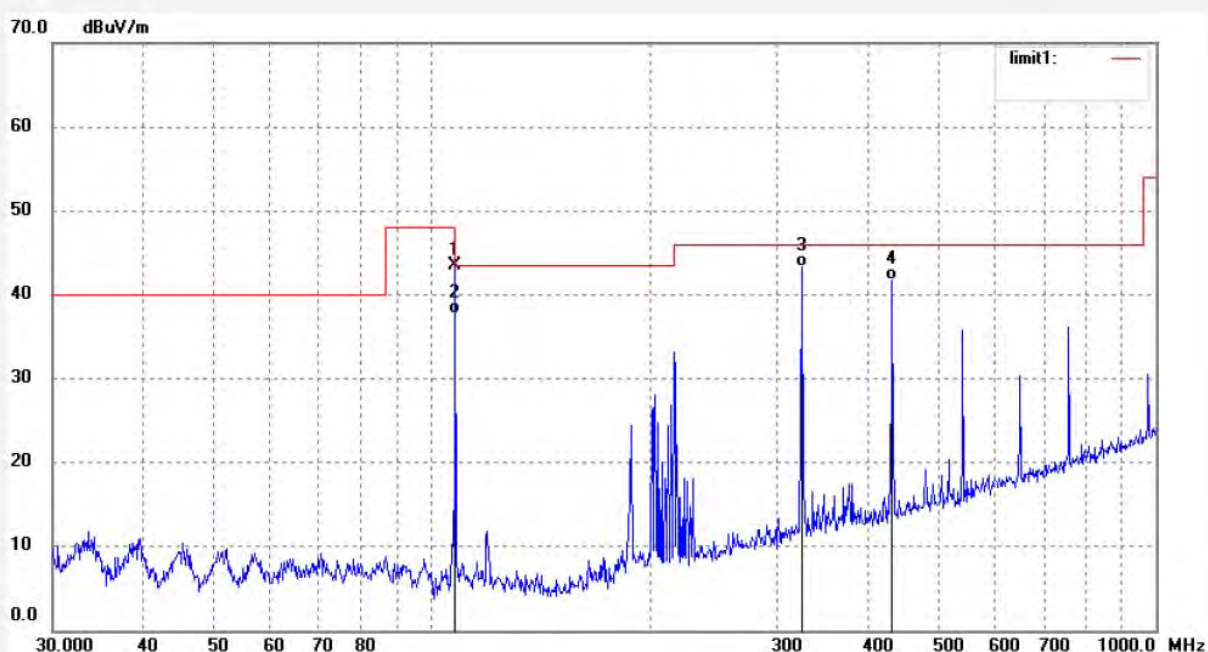
Date: 13/10/25/

Time: 14/12/53

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132273



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	65.96	-22.49	43.47	68.00	-24.53	peak			
2	107.9000	60.24	-22.49	37.75	48.00	-10.25	AVG			
3	324.4560	60.54	-17.22	43.32	46.00	-2.68	QP			
4	432.5457	56.89	-15.10	41.79	46.00	-4.21	QP			


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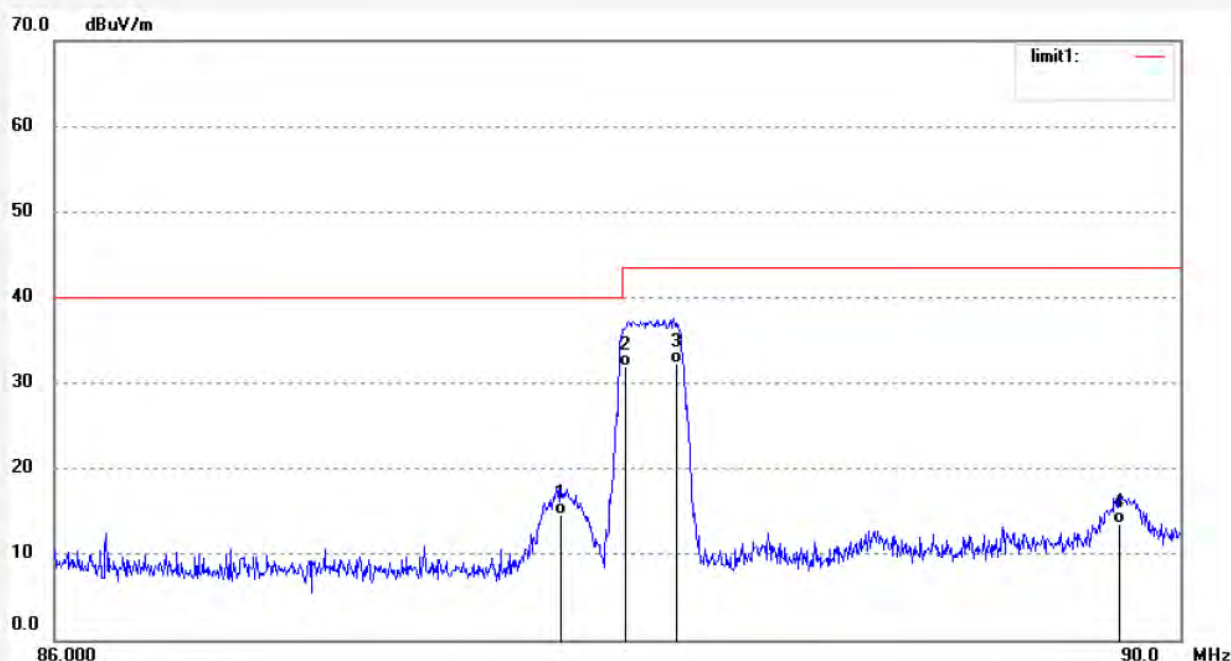
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: star #3436  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 55 %  
EUT: FM transmitter  
Mode: FM 88.1MHz(USB disk)  
Model: F-208A(MSF11)  
Manufacturer: DAZA

Polarization: Horizontal  
Power Source: DC 12V  
Date: 13/10/25/  
Time: 15/06/44  
Engineer Signature:  
Distance: 3m

Note: Report No.:ATE20132273



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	87.7800	36.20	-21.63	14.57	40.00	-25.43	QP			
2	88.0000	53.57	-21.63	31.94	40.00	-8.06	QP			
3	88.2000	54.00	-21.64	32.36	43.50	-11.14	QP			
4	89.7800	35.18	-21.68	13.50	43.50	-30.00	QP			





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Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #3437

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: FM transmitter

Mode: FM 88.1MHz(USB disk)

Model: F-208A(MSF11)

Manufacturer: DAZA

Polarization: Vertical

Power Source: DC 12V

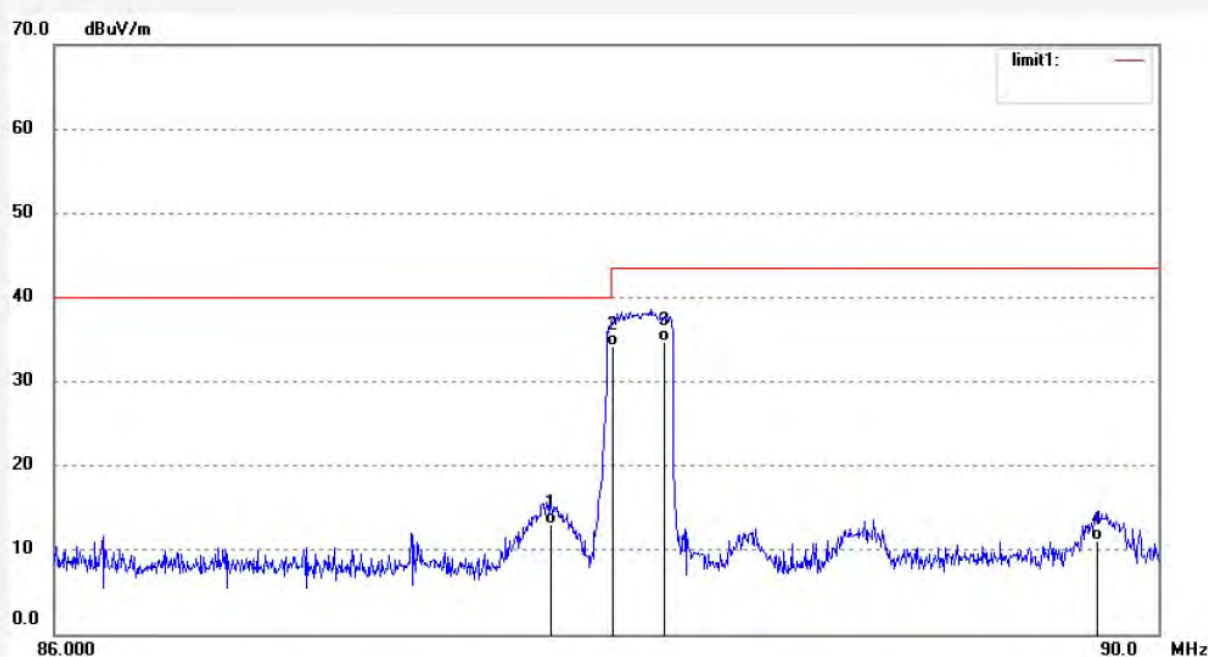
Date: 13/10/25/

Time: 15/11/10

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132273



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	87.7800	34.63	-21.63	13.00	40.00	-27.00	QP			
2	88.0000	55.82	-21.63	34.19	40.00	-5.81	QP			
3	88.2000	56.32	-21.64	34.68	43.50	-8.82	QP			
4	89.7757	32.86	-21.68	11.18	43.50	-32.32	QP			



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

Job No.: star #3442

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: FM transmitter

Mode: FM 98.1MHz(USB disk)

Model: F-208A(MSF11)

Manufacturer: DAZA

Polarization: Vertical

Power Source: DC 12V

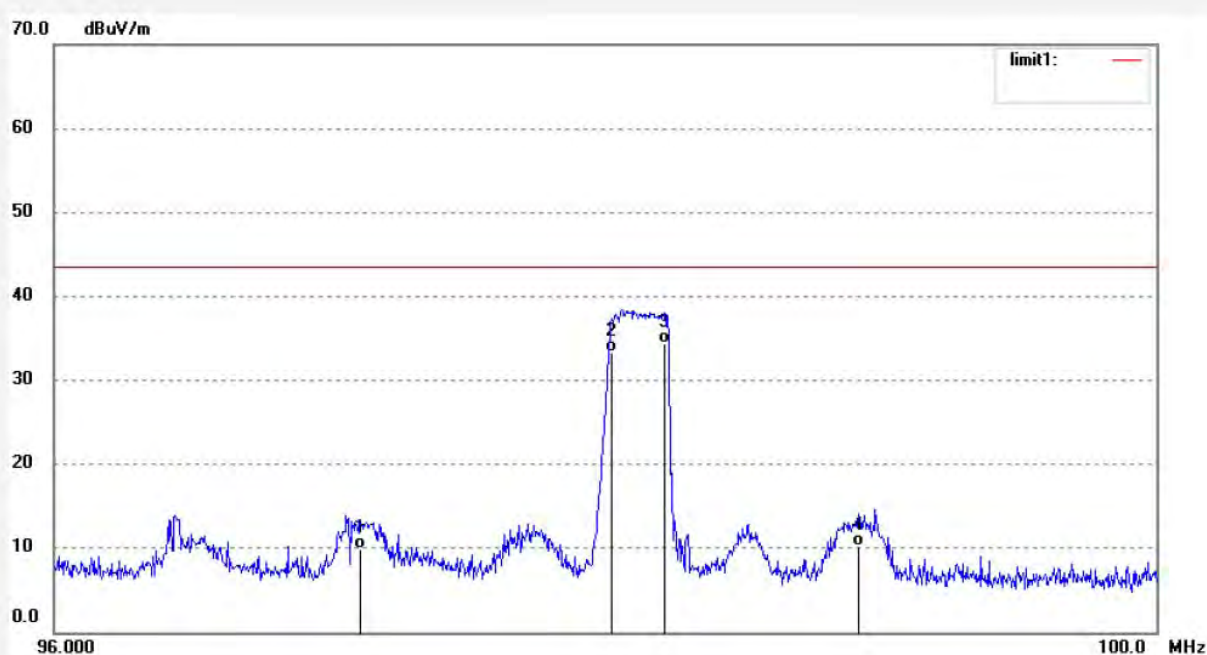
Date: 13/10/25/

Time: 15/30/08

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132273



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	97.0960	32.00	-22.20	9.80	43.50	-33.70	QP			
2	98.0000	55.73	-22.36	33.37	43.50	-10.13	QP			
3	98.2000	56.81	-22.38	34.43	43.50	-9.07	QP			
4	98.9038	32.68	-22.51	10.17	43.50	-33.33	QP			



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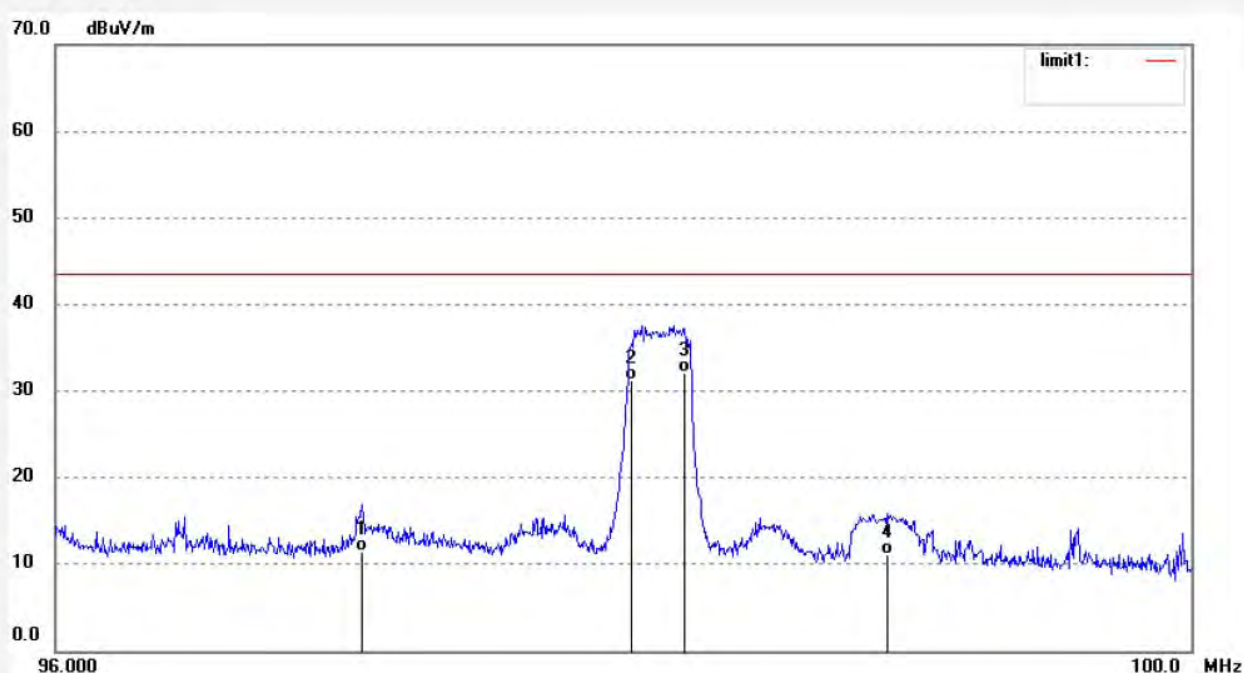
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: star #3443  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 55 %  
EUT: FM transmitter  
Mode: FM 98.1MHz(USB disk)  
Model: F-208A(MSF11)  
Manufacturer: DAZA

Polarization: Horizontal  
Power Source: DC 12V  
Date: 13/10/25/  
Time: 15/34/45  
Engineer Signature:  
Distance: 3m

Note: Report No.:ATE20132273



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	97.0639	33.60	-22.19	11.41	43.50	-32.09	QP			
2	98.0000	53.60	-22.36	31.24	43.50	-12.26	QP			
3	98.2000	54.52	-22.38	32.14	43.50	-11.36	QP			
4	98.9120	33.68	-22.52	11.16	43.50	-32.34	QP			





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Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #3430

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: FM transmitter

Mode: FM 107.9MHz(USB disk)

Model: F-208A(MSF11)

Manufacturer: DAZA

Polarization: Horizontal

Power Source: DC 12V

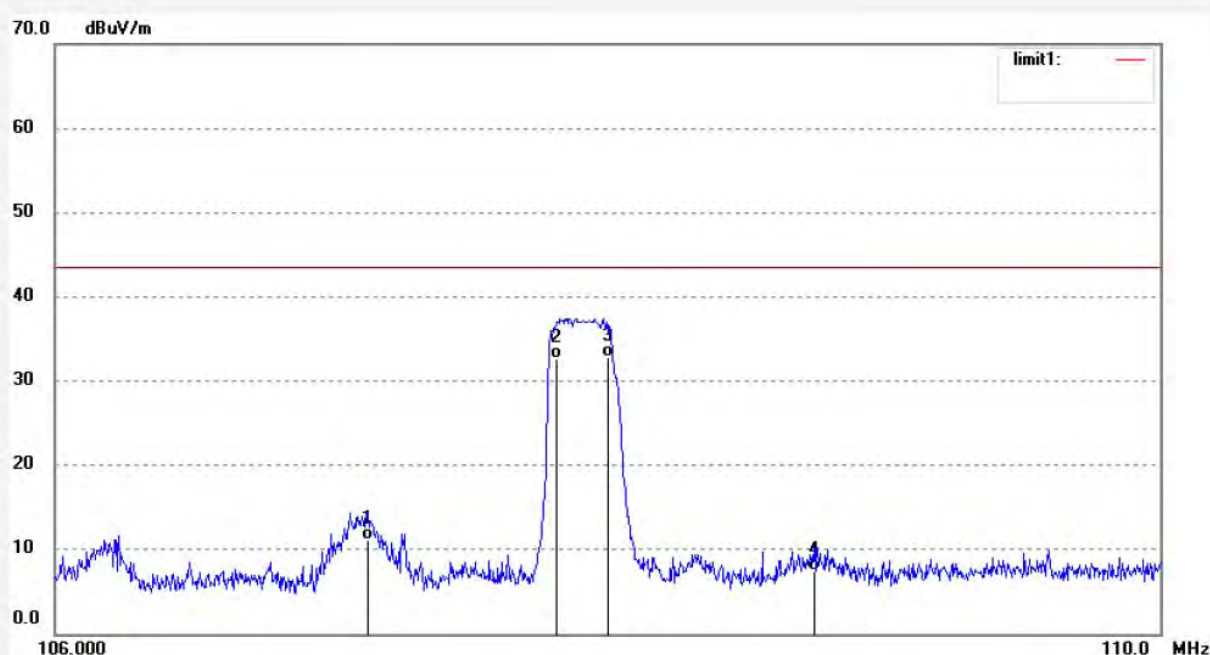
Date: 13/10/25/

Time: 14/38/40

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132273



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	107.1200	33.64	-22.61	11.03	43.50	-32.47	QP			
2	107.8000	55.22	-22.51	32.71	43.50	-10.79	QP			
3	108.0000	55.24	-22.46	32.78	43.50	-10.72	QP			
4	108.7360	29.71	-22.35	7.36	43.50	-36.14	QP			



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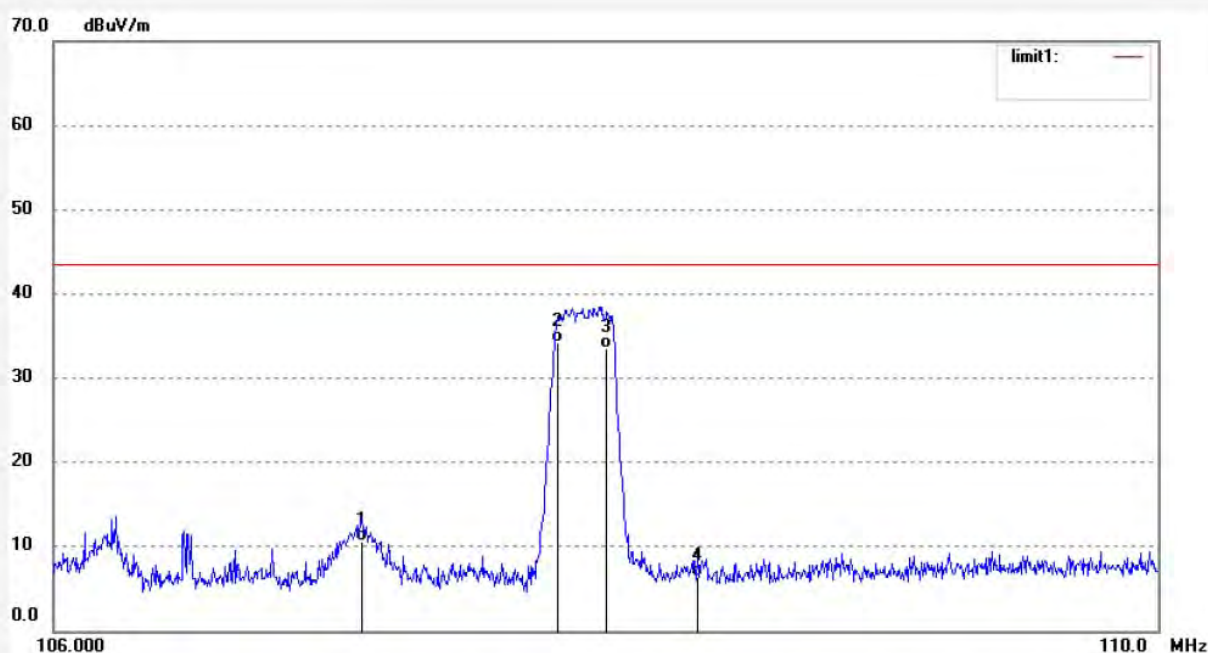
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: star #3431  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 55 %  
EUT: FM transmitter  
Mode: FM 107.9MHz(USB disk)  
Model: F-208A(MSF11)  
Manufacturer: DAZA

Polarization: Vertical  
Power Source: DC 12V  
Date: 13/10/25/  
Time: 14/43/08  
Engineer Signature:  
Distance: 3m

Note: Report No.:ATE20132273



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	107.1038	33.20	-22.61	10.59	43.50	-32.91	QP			
2	107.8000	56.73	-22.51	34.22	43.50	-9.28	QP			
3	108.0000	56.00	-22.46	33.54	43.50	-9.96	QP			
4	108.3160	28.76	-22.42	6.34	43.50	-37.16	QP			



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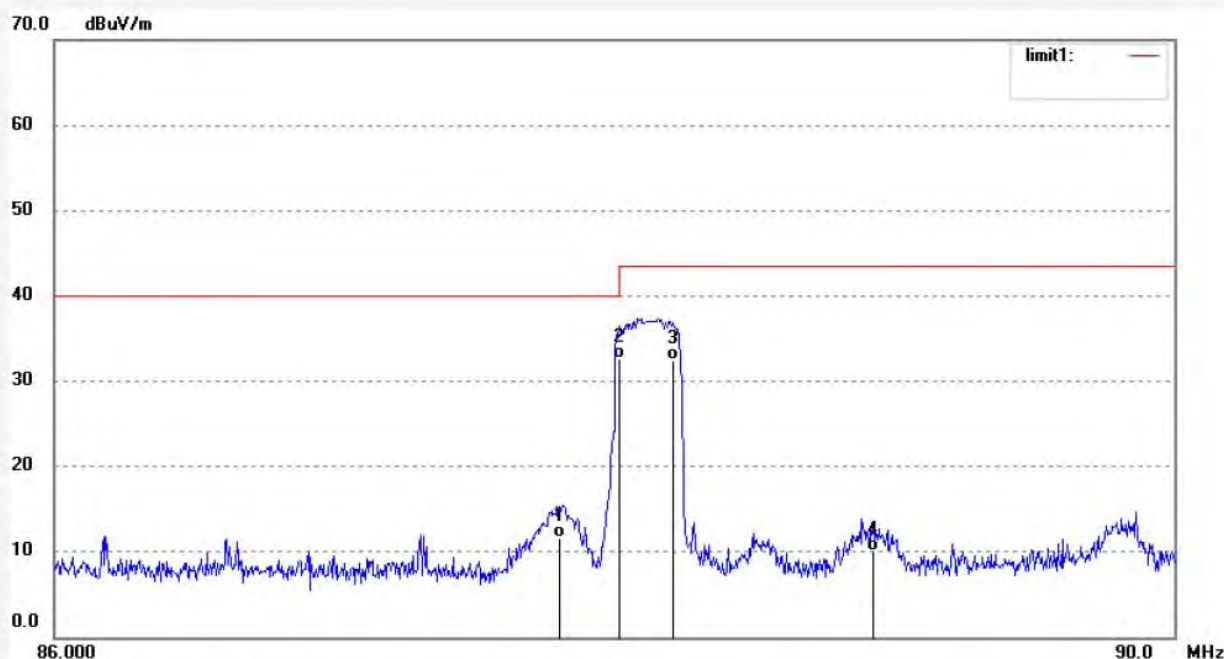
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: star #3438  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 55 %  
EUT: FM transmitter  
Mode: FM 88.1MHz(SD Card)  
Model: F-208A(MSF11)  
Manufacturer: DAZA

Polarization: Vertical  
Power Source: DC 12V  
Date: 13/10/25/  
Time: 15/16/14  
Engineer Signature:  
Distance: 3m

Note: Report No.:ATE20132273



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	87.7757	33.28	-21.63	11.65	40.00	-28.35	QP			
2	88.0000	54.31	-21.63	32.68	40.00	-7.32	QP			
3	88.2000	54.10	-21.64	32.46	43.50	-11.04	QP			
4	88.9080	31.76	-21.66	10.10	43.50	-33.40	QP			





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

Job No.: star #3439

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: FM transmitter

Mode: FM 88.1MHz(SD Card)

Model: F-208A(MSF11)

Manufacturer: DAZA

Polarization: Horizontal

Power Source: DC 12V

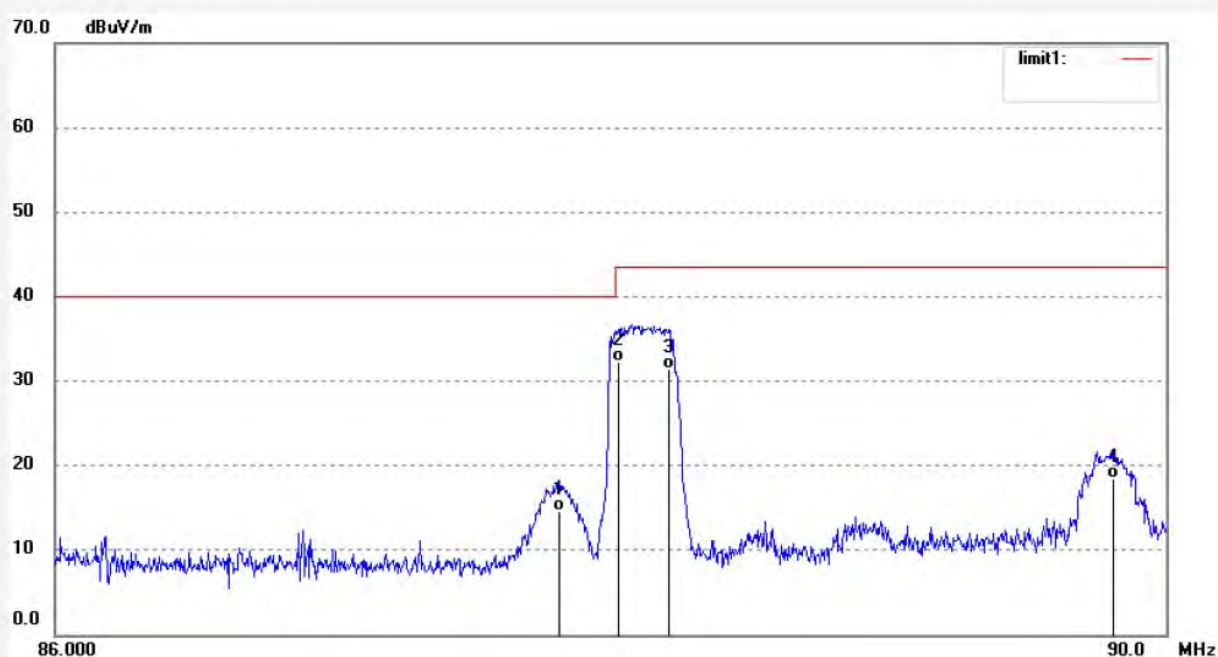
Date: 13/10/25/

Time: 15/20/38

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132273



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	87.7960	36.24	-21.63	14.61	40.00	-25.39	QP			
2	88.0000	53.99	-21.63	32.36	40.00	-7.64	QP			
3	88.2000	53.10	-21.64	31.46	43.50	-12.04	QP			
4	89.8080	40.22	-21.68	18.54	43.50	-24.96	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 #3440

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: FM transmitter

Mode: FM 98.1MHz(SD Card)

Model: F-208A(MSF11)

Manufacturer: DAZA

Polarization: Horizontal

Power Source: DC 12V

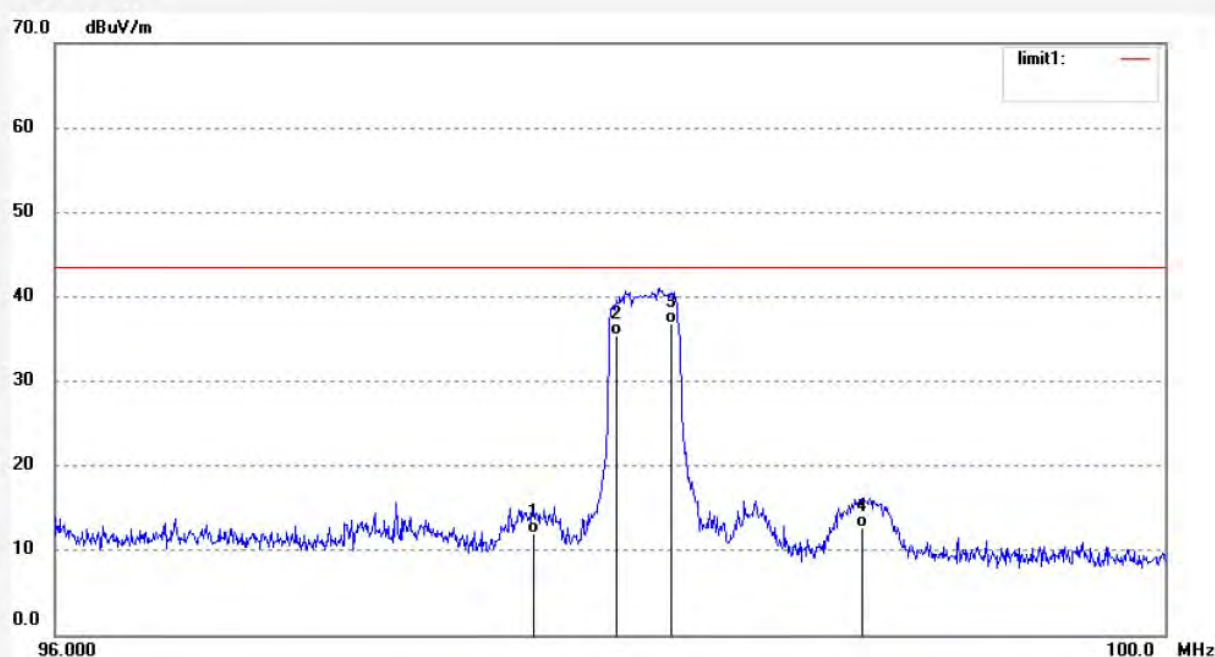
Date: 13/10/25/

Time: 15/24/40

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132273



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	97.7039	34.22	-22.30	11.92	43.50	-31.58	QP			
2	98.0000	57.80	-22.36	35.44	43.50	-8.06	QP			
3	98.2000	59.24	-22.38	36.86	43.50	-6.64	QP			
4	98.8919	35.20	-22.51	12.69	43.50	-30.81	QP			





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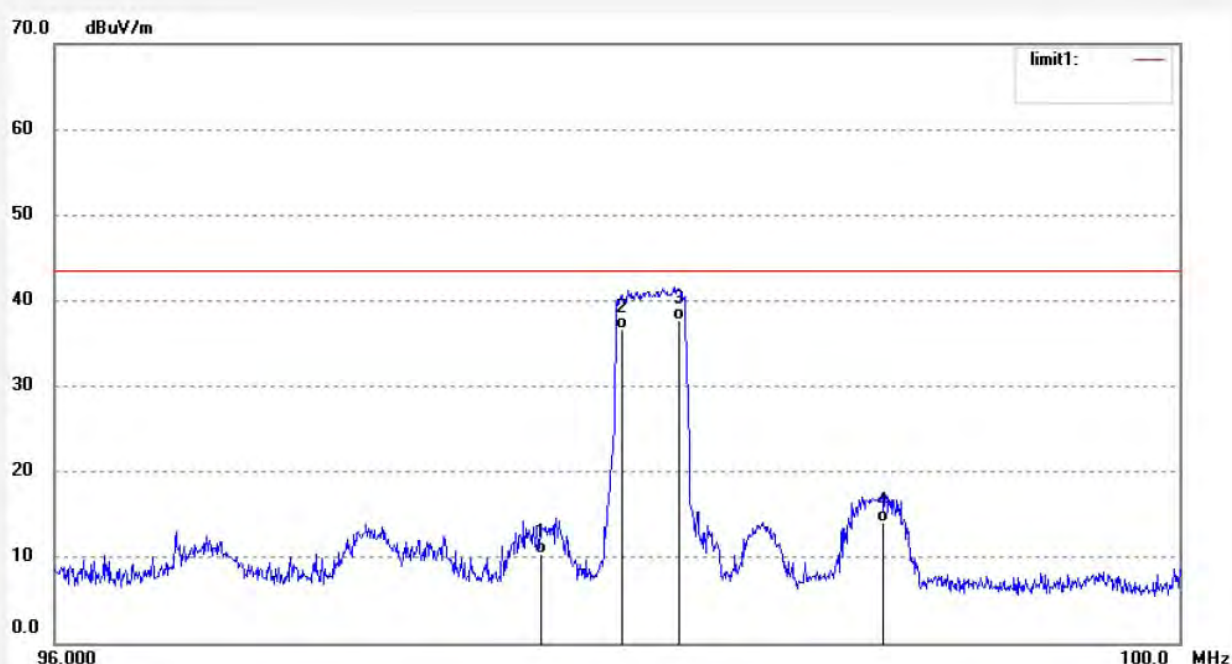
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: star #3441  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 55 %  
EUT: FM transmitter  
Mode: FM 98.1MHz(SD Card)  
Model: F-208A(MSF11)  
Manufacturer: DAZA

Polarization: Vertical  
Power Source: DC 12V  
Date: 13/10/25/  
Time: 15/28/16  
Engineer Signature:  
Distance: 3m

Note: Report No.:ATE20132273



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	97.7120	32.66	-22.30	10.36	43.50	-33.14	QP			
2	98.0000	58.99	-22.36	36.63	43.50	-6.87	QP			
3	98.2000	60.10	-22.38	37.72	43.50	-5.78	QP			
4	98.9278	36.54	-22.52	14.02	43.50	-29.48	QP			



# ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #3428

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: FM transmitter

Mode: FM 107.9MHz(SD Card)

Model: F-208A(MSF11)

Manufacturer: DAZA

Polarization: Vertical

Power Source: DC 12V

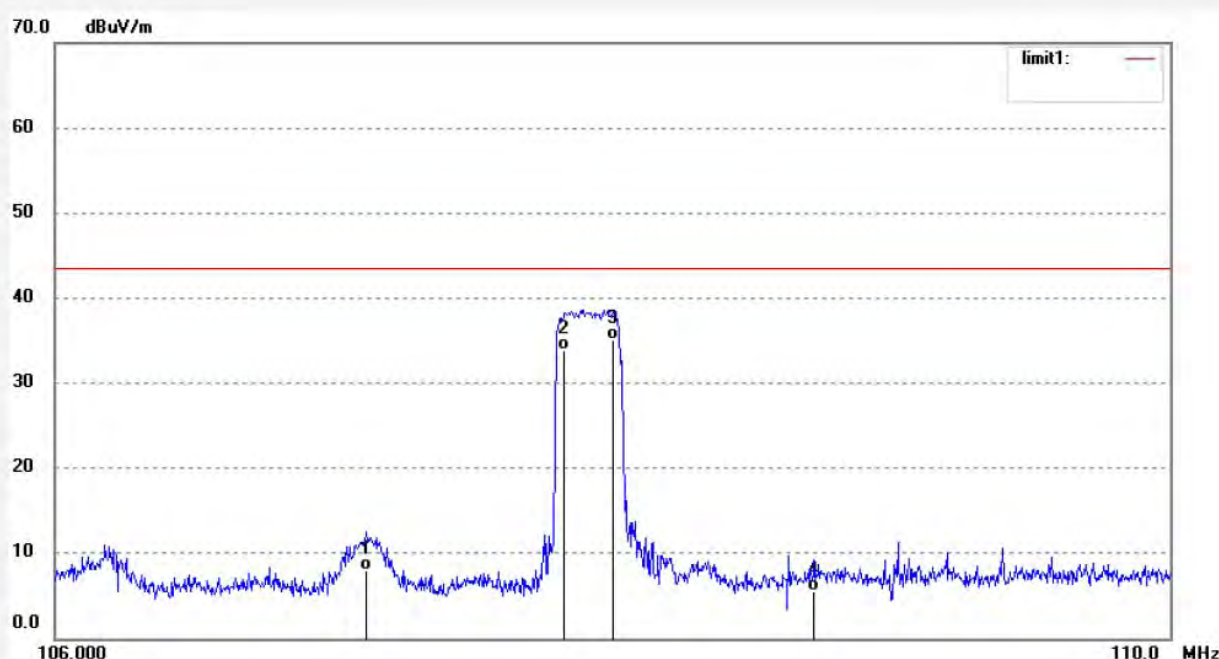
Date: 13/10/25/

Time: 14/30/15

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132273



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	107.1038	30.63	-22.61	8.02	43.50	-35.48	QP			
2	107.8000	56.42	-22.51	33.91	43.50	-9.59	QP			
3	108.0000	57.61	-22.46	35.15	43.50	-8.35	QP			
4	108.7078	27.86	-22.36	5.50	43.50	-38.00	QP			



# **ACCURATE TECHNOLOGY CO., LTD.**

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

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

Job No.: star #3429

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: FM transmitter

Mode: FM 107.9MHz(SD Card)

Model: F-208A(MSF11)

Manufacturer: DAZA

Polarization: Horizontal

Power Source: DC 12V

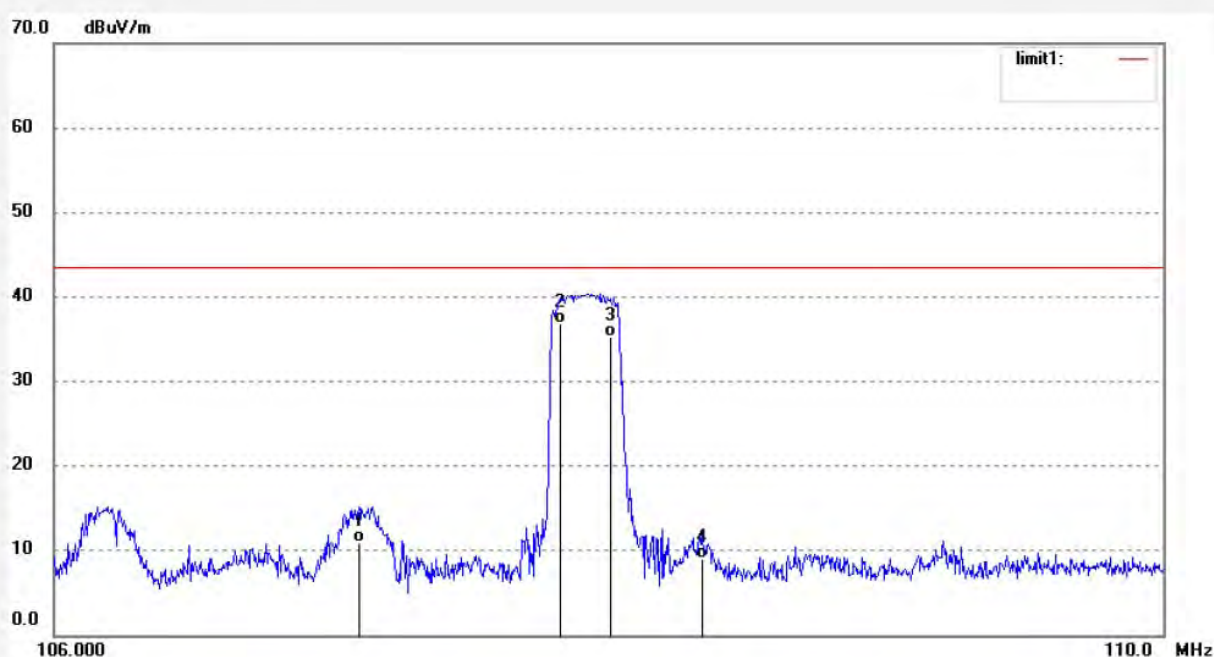
Date: 13/10/25/

Time: 14/34/50

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132273



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	107.0960	33.62	-22.61	11.01	43.50	-32.49	QP			
2	107.8000	59.40	-22.51	36.89	43.50	-6.61	QP			
3	108.0000	57.68	-22.46	35.22	43.50	-8.28	QP			
4	108.3199	31.43	-22.42	9.01	43.50	-34.49	QP			





# ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #3434

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: FM transmitter

Mode: FM 88.1MHz(Line in (Connect to iPod ))

Model: F-208A(MSF11)

Manufacturer: DAZA

Polarization: Vertical

Power Source: DC 12V

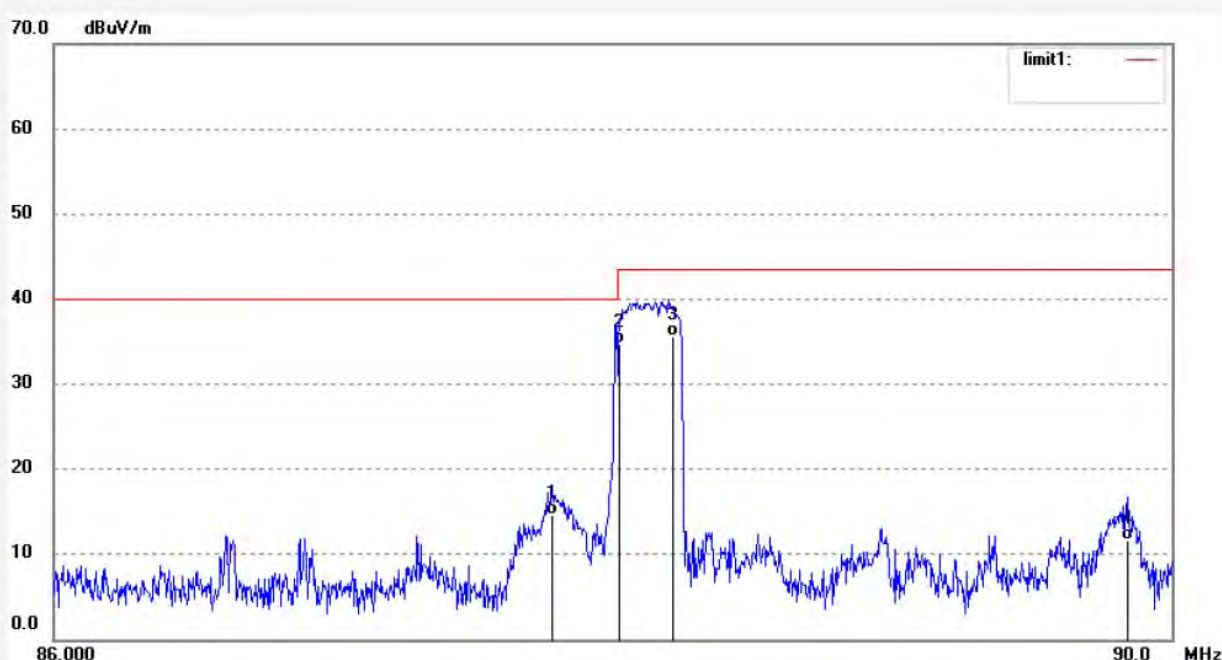
Date: 13/10/25/

Time: 14/58/34

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132273



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	87.7639	36.22	-21.63	14.59	40.00	-25.41	QP			
2	88.0000	56.34	-21.63	34.71	40.00	-5.29	QP			
3	88.2000	57.20	-21.64	35.56	43.50	-7.94	QP			
4	89.8399	33.34	-21.68	11.66	43.50	-31.84	QP			



# **ACCURATE TECHNOLOGY CO., LTD.**

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

Job No.: star #3435

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: FM transmitter

Mode: FM 88.1MHz(Line in (Connect to iPod ))

Model: F-208A(MSF11)

Manufacturer: DAZA

Polarization: Horizontal

Power Source: DC 12V

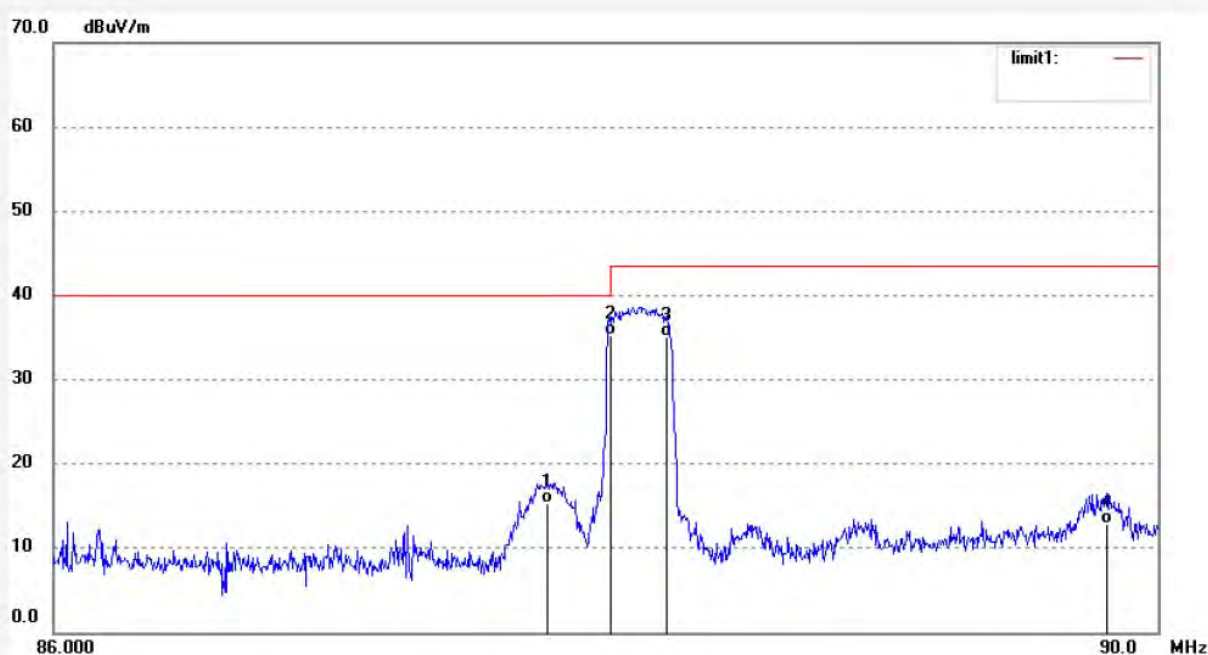
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Time: 15/02/00

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132273



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	87.7680	37.00	-21.63	15.37	40.00	-24.63	QP			
2	88.0000	56.93	-21.63	35.30	40.00	-4.70	QP			
3	88.2000	56.72	-21.64	35.08	43.50	-8.42	QP			
4	89.8160	34.60	-21.68	12.92	43.50	-30.58	QP			


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

Job No.: star #3444

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: FM transmitter

Mode: FM 98.1MHz(Line in (Connect to iPod ))

Model: F-208A(MSF11)

Manufacturer: DAZA

Polarization: Horizontal

Power Source: DC 12V

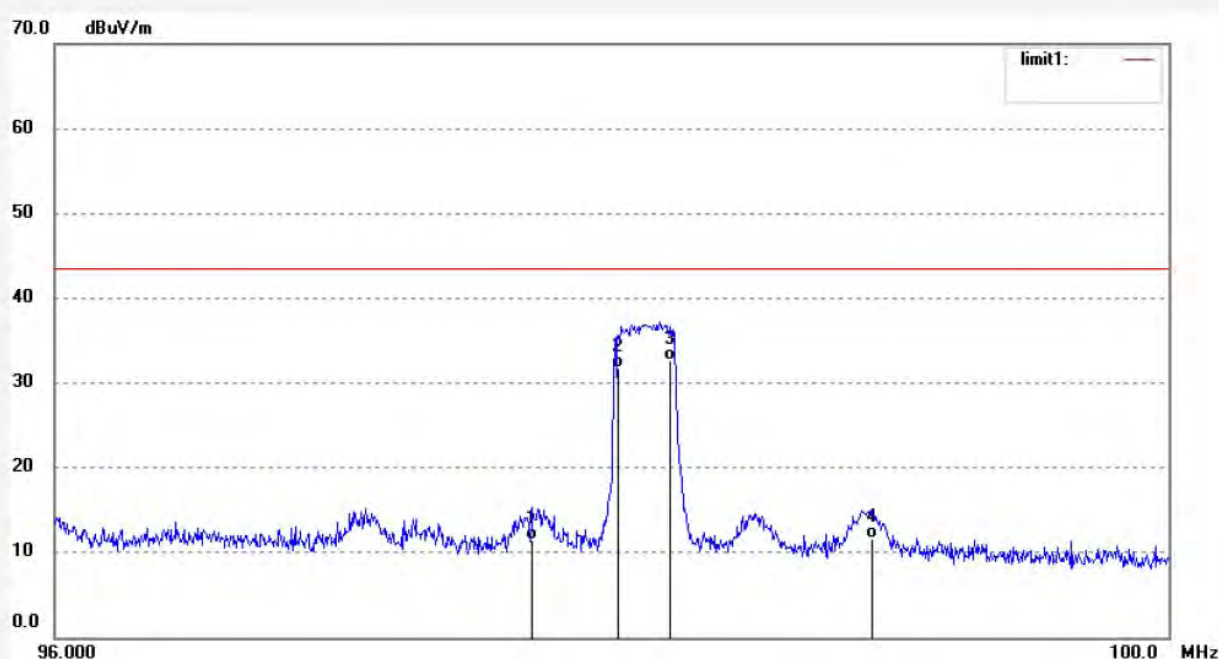
Date: 13/10/25/

Time: 15/38/14

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132273



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	97.6958	33.69	-22.30	11.39	43.50	-32.11	QP			
2	98.0000	54.18	-22.36	31.82	43.50	-11.68	QP			
3	98.2000	55.03	-22.38	32.65	43.50	-10.85	QP			
4	98.9200	34.22	-22.52	11.70	43.50	-31.80	QP			





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

Job No.: star #3445

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: FM transmitter

Mode: FM 98.1MHz(Line in (Connect to iPod ))

Model: F-208A(MSF11)

Manufacturer: DAZA

Polarization: Vertical

Power Source: DC 12V

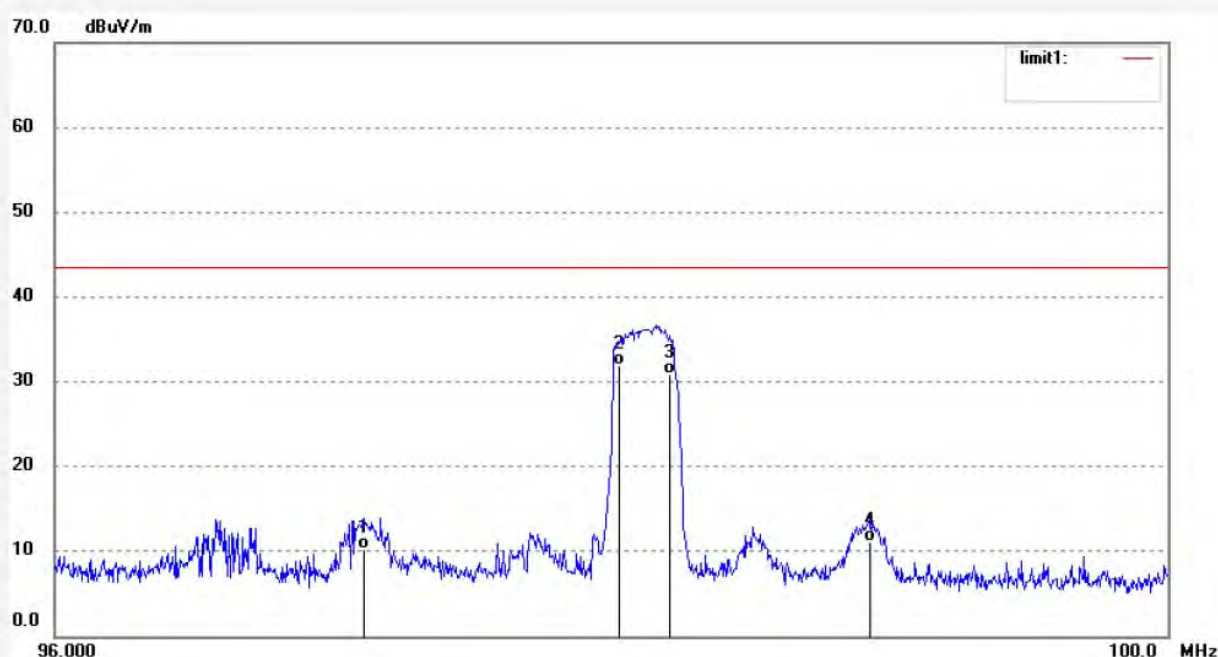
Date: 13/10/25/

Time: 15/43/42

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132273



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	97.0960	32.47	-22.20	10.27	43.50	-33.23	QP			
2	98.0000	54.30	-22.36	31.94	43.50	-11.56	QP			
3	98.2000	53.25	-22.38	30.87	43.50	-12.63	QP			
4	98.9120	33.56	-22.52	11.04	43.50	-32.46	QP			



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Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #3432

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: FM transmitter

Mode: FM 107.9MHz(Line in (Connect to iPod ))

Model: F-208A(MSF11)

Manufacturer: DAZA

Polarization: Horizontal

Power Source: DC 12V

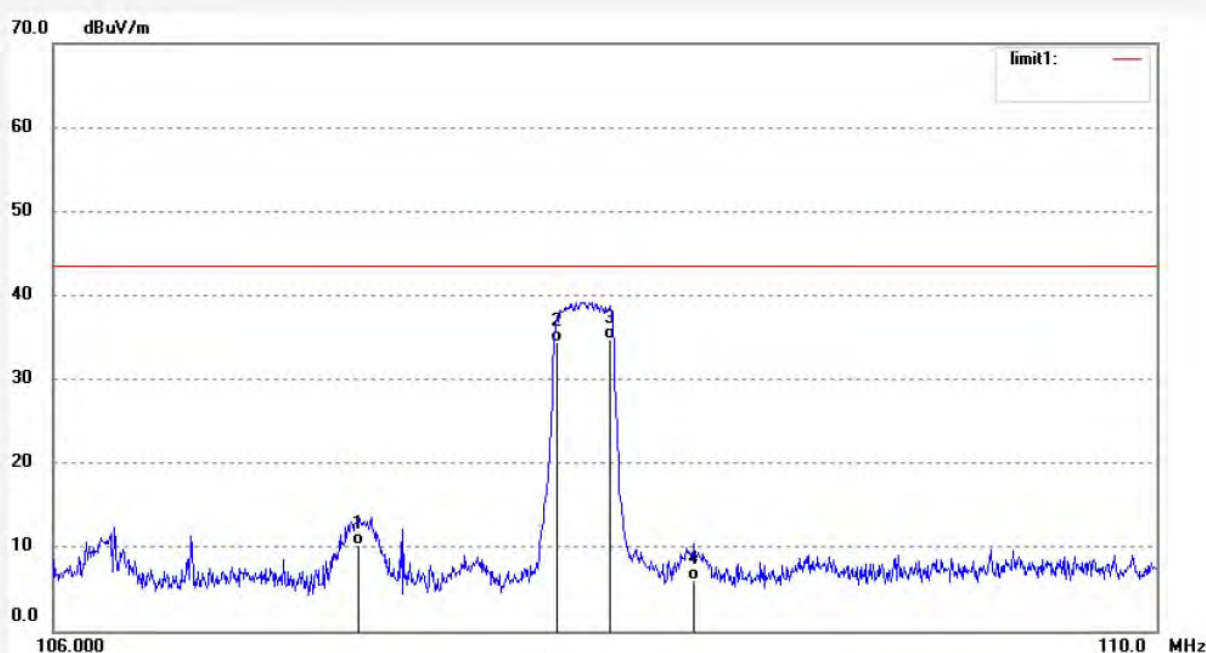
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Time: 14/48/31

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132273



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	107.0960	32.92	-22.61	10.31	43.50	-33.19	QP			
2	107.8000	56.98	-22.51	34.47	43.50	-9.03	QP			
3	108.0000	57.18	-22.46	34.72	43.50	-8.78	QP			
4	108.3040	28.43	-22.42	6.01	43.50	-37.49	QP			





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Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #3433

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: FM transmitter

Mode: FM 107.9MHz(Line in (Connect to iPod ))

Model: F-208A(MSF11)

Manufacturer: DAZA

Polarization: Vertical

Power Source: DC 12V

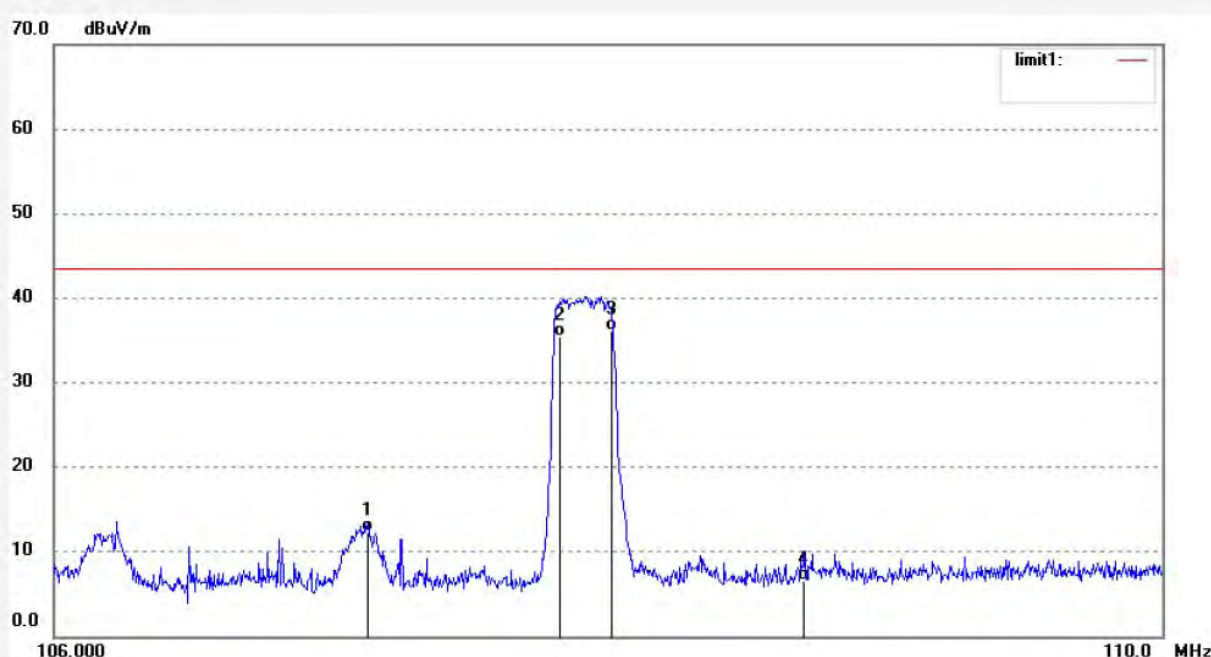
Date: 13/10/25/

Time: 14/53/55

Engineer Signature:

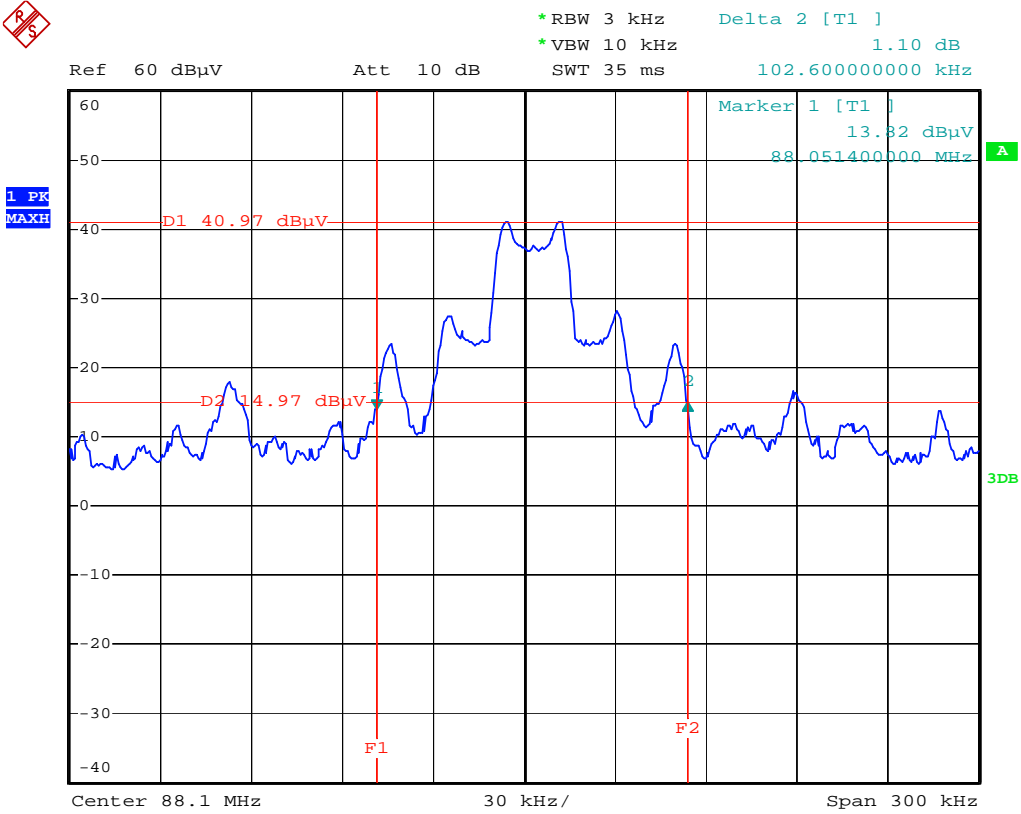
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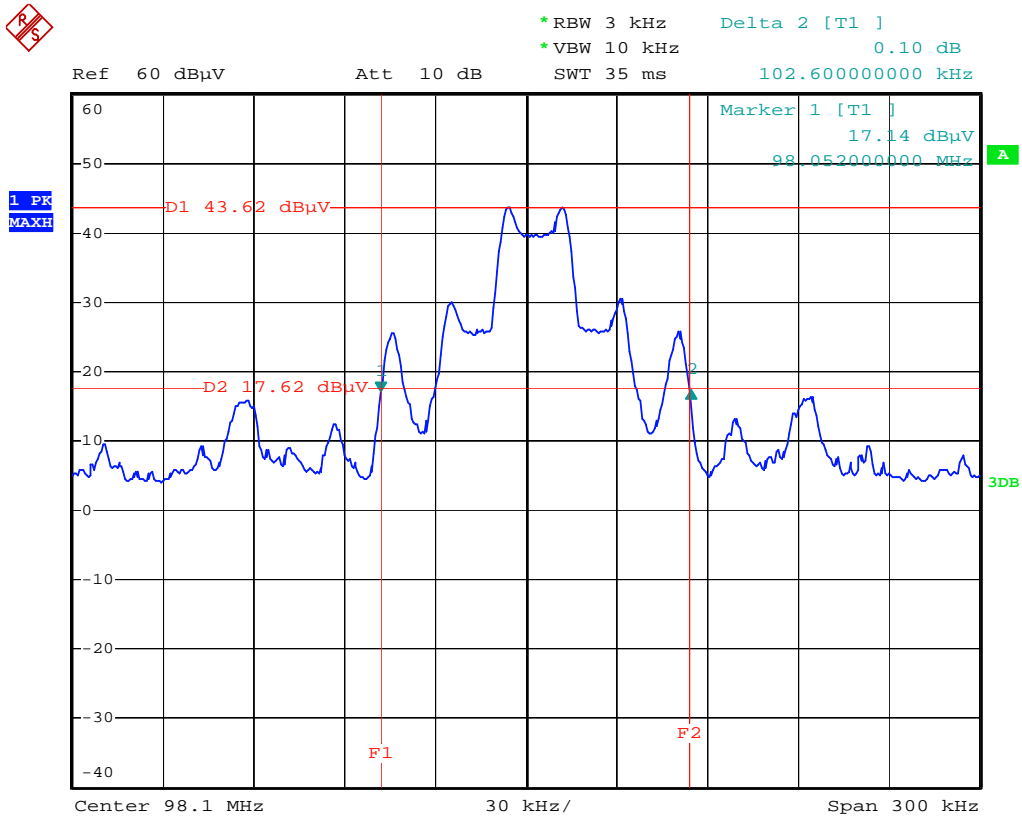
Note: Report No.:ATE20132273

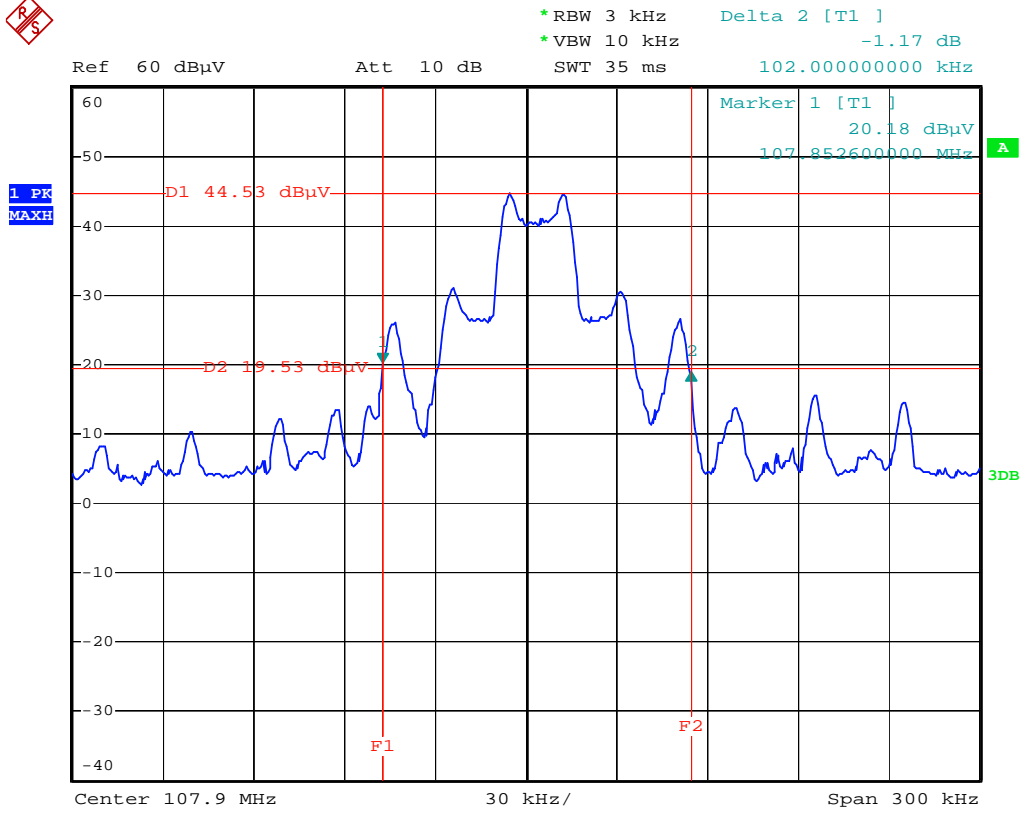


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	107.1200	34.87	-22.61	12.26	43.50	-31.24	QP			
2	107.8000	57.99	-22.51	35.48	43.50	-8.02	QP			
3	108.0000	58.54	-22.46	36.08	43.50	-7.42	QP			
4	108.6919	28.90	-22.36	6.54	43.50	-36.96	QP			

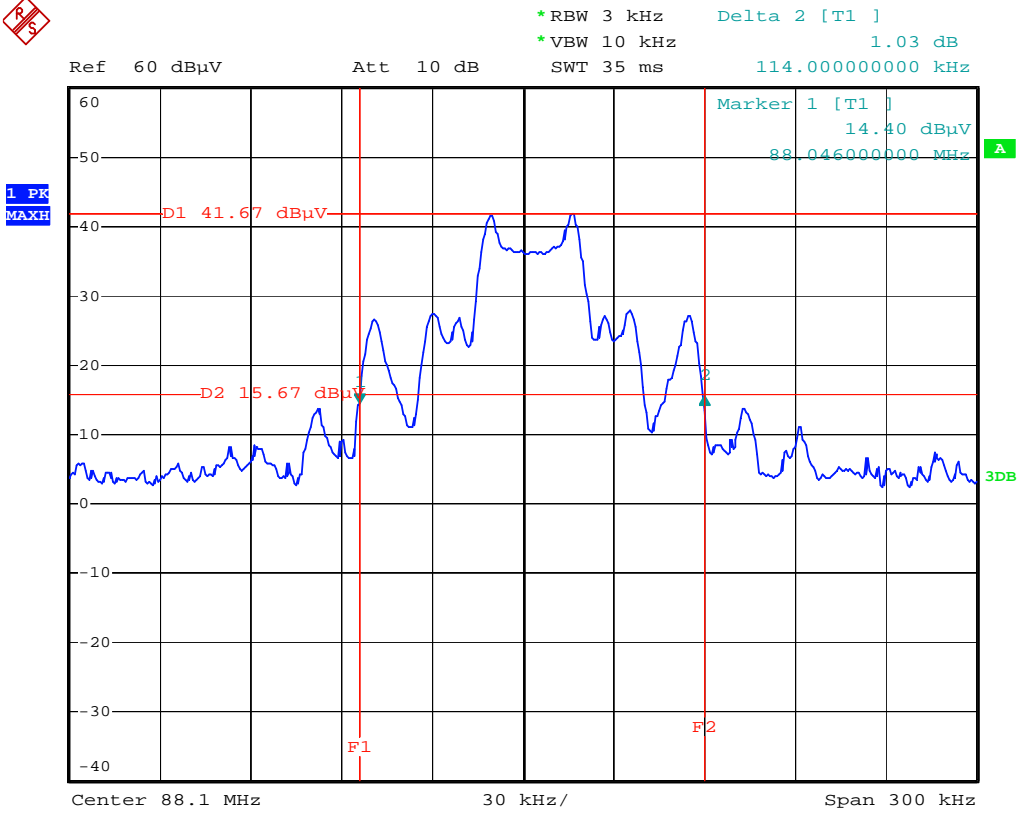
USB disk

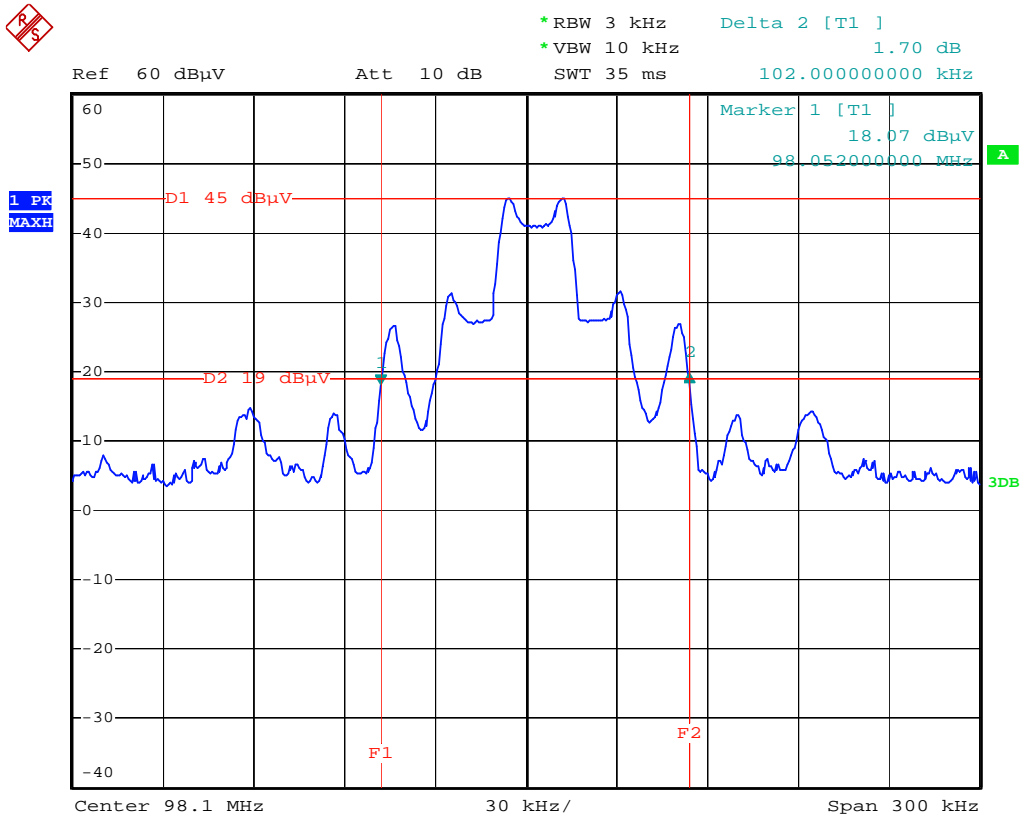


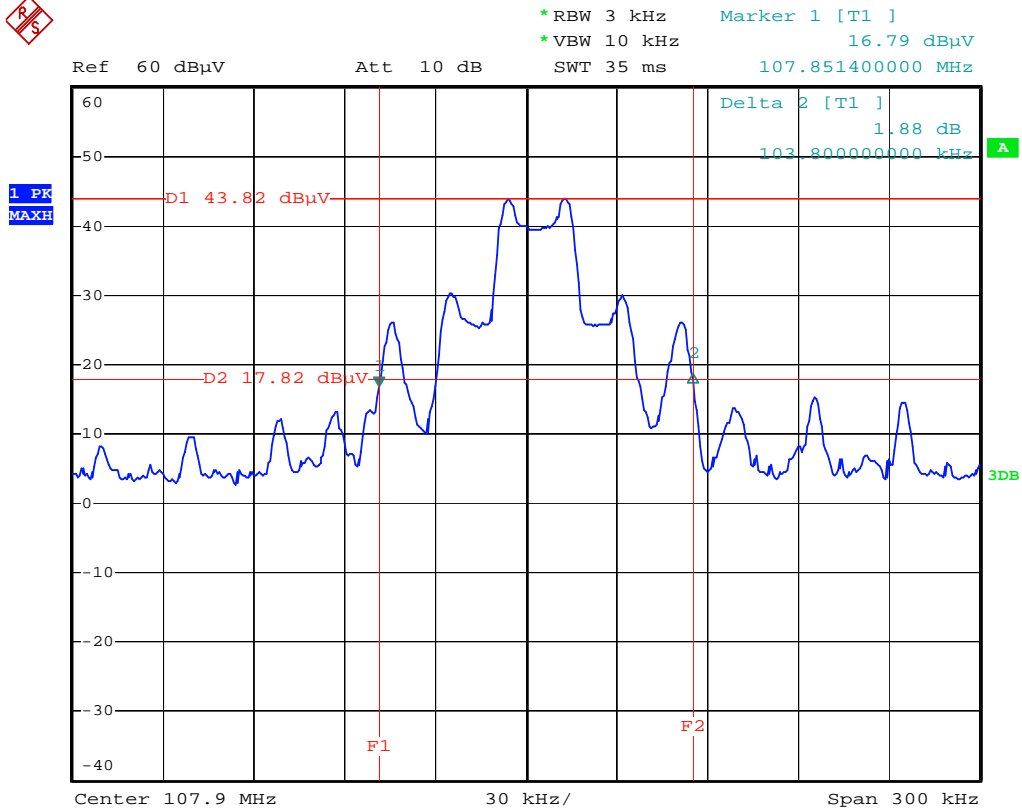




Line in (Connect to iPod )









SD Card

