

**APPLICATION CERTIFICATION
On Behalf of
Questyle Audio Technology Co.,Ltd**

**Wireless Audio Transmitter
Model No.: T2**

FCC ID: 2AEKH-T2

Prepared for : Questyle Audio Technology Co.,Ltd
Address : B804, Jialin Hlghrise, Shennan Avenue 2001, Futian
District, Shenzhen, China
Prepared by : ACCURATE TECHNOLOGY CO. LTD
Address : F1, Bldg. A, Changyuan New Material Port, Keyuan Rd.
Science & Industry Park, Nanshan, Shenzhen, Guangdong
P.R. China

Tel: (0755) 26503290
Fax: (0755) 26503396

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Date of Test : Oct 18, 2014-Apr 25, 2015
Date of Report : Apr 25, 2015

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Test Report Certification

Applicant : Questyle Audio Technology Co.,Ltd
Manufacturer : Questyle Audio Technology Co.,Ltd
EUT Description : Wireless Audio Transmitter
(A) MODEL NO.: T2
(B) Trade Name: Questyle
(C) POWER SUPPLY: AC 120V/60Hz

Measurement Procedure Used:

FCC Rules and Regulations Part 15 Subpart C Section 15.247
ANSI C63.10-2013

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 15.247 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 : _____ Oct 18, 2014-Apr 25, 2015
Date of Report: _____ Apr 25, 2015

Prepared by :



(Tim.zhang, Engineer)

Approved & Authorized Signer :



(Sean Liu, Manager)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT	:	Wireless Audio Transmitter
Model Number	:	T2
Operation Frequency	:	5736MHz, 5762MHz, 5814MHz
Number of Channels	:	3
Modulation type	:	QPSK
Antenna Gain	:	3dBi
Antenna type	:	PCB Antenna
Power Supply	:	AC 120V/60Hz
Applicant	:	Questyle Audio Technology Co.,Ltd
Address	:	B804, Jialin Hlghrise, Shennan Avenue 2001, Futian District Shenzhen, China
Manufacturer	:	Questyle Audio Technology Co.,Ltd
Address	:	B804, Jialin Hlghrise, Shennan Avenue 2001, Futian District Shenzhen, China
Date of sample received	:	Oct 18, 2014
Date of Test	:	Oct 18, 2014-Apr 25, 2015

1.2.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

1.3.Measurement Uncertainty

Conducted Emission Expanded Uncertainty	= 2.23dB, k=2
Radiated emission expanded uncertainty (9kHz-30MHz)	= 3.08dB, k=2
Radiated emission expanded uncertainty (30MHz-1000MHz)	= 4.42dB, k=2
Radiated emission expanded uncertainty (Above 1GHz)	= 4.06dB, k=2

2. MEASURING DEVICE AND TEST EQUIPMENT

Table 1: List of Test and Measurement Equipment

Kind of equipment	Manufacturer	Type	S/N	Calibrated dates	Calibrated until
EMI Test Receiver	Rohde&Schwarz	ESCS30	100307	Jan. 10, 2014	Jan. 10, 2015
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	Jan. 10, 2014	Jan. 10, 2015
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 10, 2014	Jan. 10, 2015
Pre-Amplifier	Rohde&Schwarz	CBLU118354 0-01	3791	Jan. 10, 2014	Jan. 10, 2015
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 14, 2014	Jan. 14, 2015
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 14, 2014	Jan. 14, 2015
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 14, 2014	Jan. 14, 2015
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-1067	Jan. 14, 2014	Jan. 14, 2015
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 10, 2014	Jan. 10, 2015
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 10, 2014	Jan. 10, 2015
Highpass Filter	Wainwright Instruments	WHKX3.6/18 G-10SS	N/A	Jan. 10, 2014	Jan. 10, 2015
Band Reject Filter	Wainwright Instruments	WRCG2400/2 485-2375/2510 -60/11SS	N/A	Jan. 10, 2014	Jan. 10, 2015

Kind of equipment	Manufacturer	Type	S/N	Calibrated dates	Calibrated until
EMI Test Receiver	Rohde&Schwarz	ESCS30	100307	Jan. 10, 2015	Jan. 10, 2016
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	Jan. 10, 2015	Jan. 10, 2016
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 10, 2015	Jan. 10, 2016
Pre-Amplifier	Rohde&Schwarz	CBLU118354 0-01	3791	Jan. 10, 2015	Jan. 10, 2016
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 14, 2015	Jan. 14, 2016
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 14, 2015	Jan. 14, 2016
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 14, 2015	Jan. 14, 2016
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-1067	Jan. 14, 2015	Jan. 14, 2016
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 10, 2015	Jan. 10, 2016
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 10, 2015	Jan. 10, 2016
Highpass Filter	Wainwright Instruments	WHKX3.6/18 G-10SS	N/A	Jan. 10, 2015	Jan. 10, 2016
Band Reject Filter	Wainwright Instruments	WRCG2400/2 485-2375/2510 -60/11SS	N/A	Jan. 10, 2015	Jan. 10, 2016

		-60/11SS			
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3. OPERATION OF EUT DURING TESTING

3.1.Operating Mode

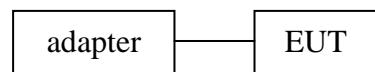
The mode is used: Transmitting mode

Low Channel: 5736MHz

Middle Channel: 5762MHz

High Channel: 5814MHz

3.2.Configuration and peripherals



(EUT: Wireless Audio Transmitter)

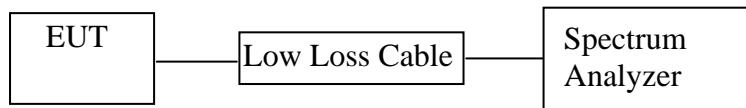
Note: The EUT have two antenna(A and B), They can not transmit simultaneously, The EUT select a antenna to transmit according to signal strength automatically, One Antenna of EUT does not work when Another antenna is transmitting

4. TEST PROCEDURES AND RESULTS

FCC Rules	Description of Test	Result
Section 15.207	AC power Line Conducted Emission Test	Compliant
Section 15.247(a)(2)	6dB Occupied Bandwidth Test	Compliant
Section 15.247(b)(3)	Maximum conducted (average) output power	Compliant
Section 15.247(e)	Power Spectral Density Test	Compliant
Section 15.205 Section 15.209	Radiated Spurious Emissions Test	Compliant
Section 15.247(d)	RF Conducted spurious emissions Test	Compliant
Section 15.247(d)	Band Edge Compliance Test	Compliant
Section 15.203	Antenna Requirement	Compliant

5. 6DB OCCUPIED BANDWIDTH TEST

5.1. Block Diagram of Test Setup



(EUT: Wireless Audio Transmitter)

5.2. The Requirement For Section 15.247(a)(1)

Section 15.247(a)(2): Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands. The minimum 6 dB band-width shall be at least 500 kHz

5.3. EUT Configuration on Measurement

The 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.

5.4. 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 measure it. The transmit frequency are 5736MHz, 5762MHz, 5814MHz, We select these frequency to transmit.

5.5. Test Procedure

5.5.1. The transmitter output was connected to the spectrum analyzer through a low loss cable.

5.5.2. Set RBW of spectrum analyzer to 100 kHz and VBW to 300 kHz.

5.5.3. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

5.6. Test Result

Antenna A test data

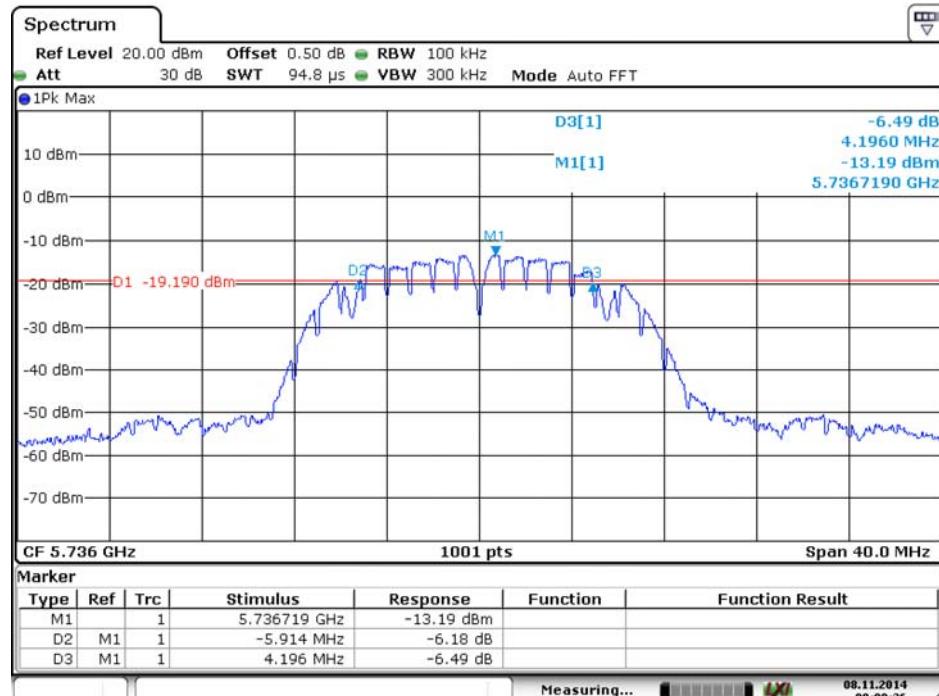
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Result
Low	5736	10.110	Pass
Middle	5762	10.110	Pass
High	5814	10.110	Pass

Antenna B test data

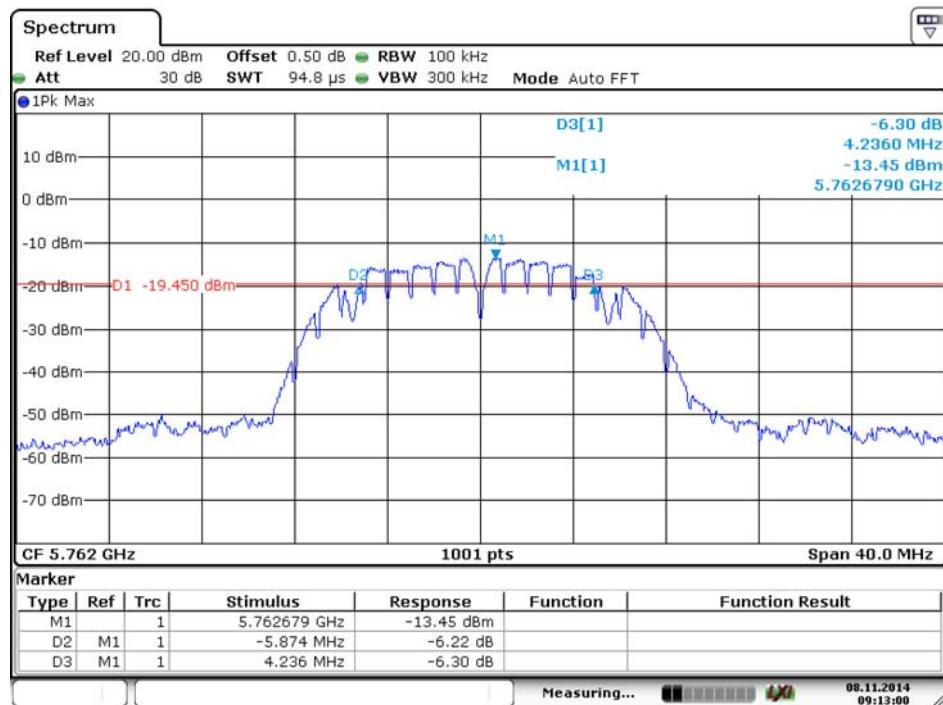
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Result
Low	5736	10.188	Pass
Middle	5762	10.188	Pass
High	5814	10.188	Pass

The spectrum analyzer plots are attached as below.

Low channel(Antenna A)

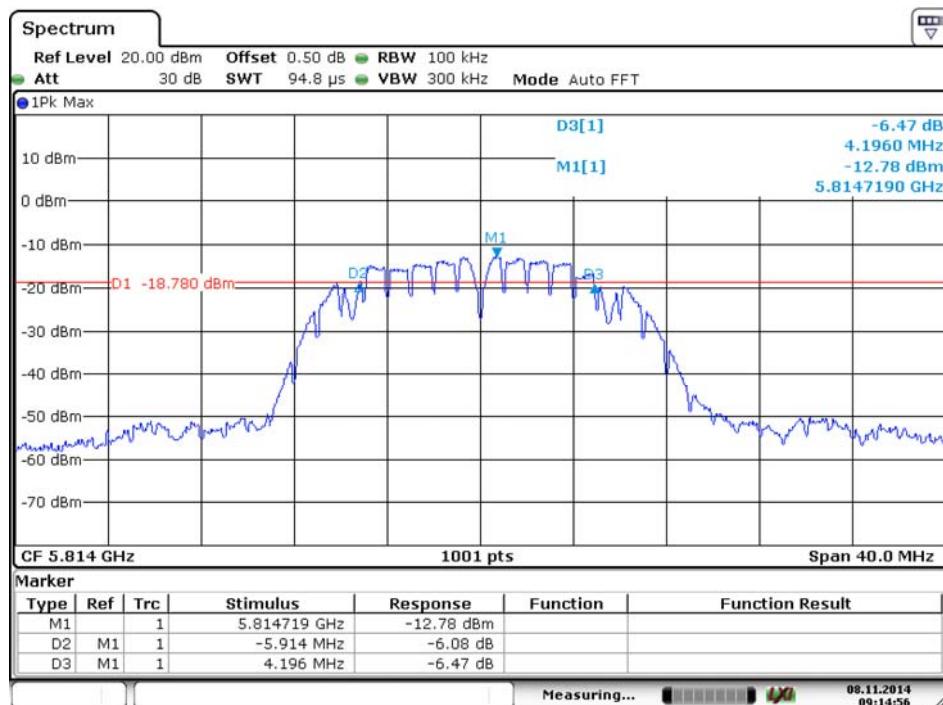


Middle channel(Antenna A)



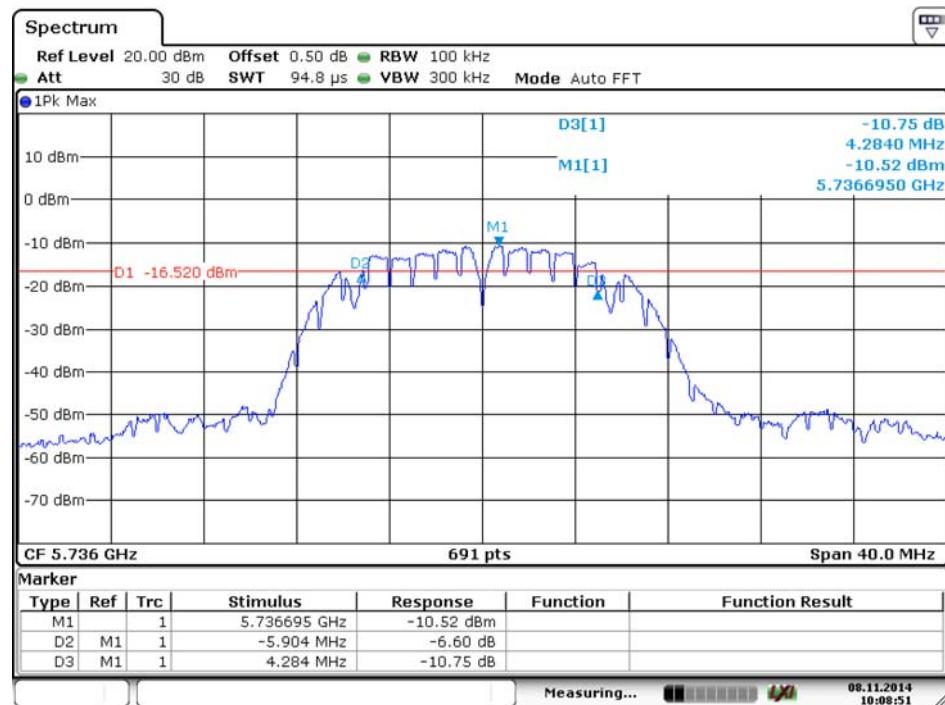
Date: 8.NOV.2014 09:13:01

High channel(Antenna A)



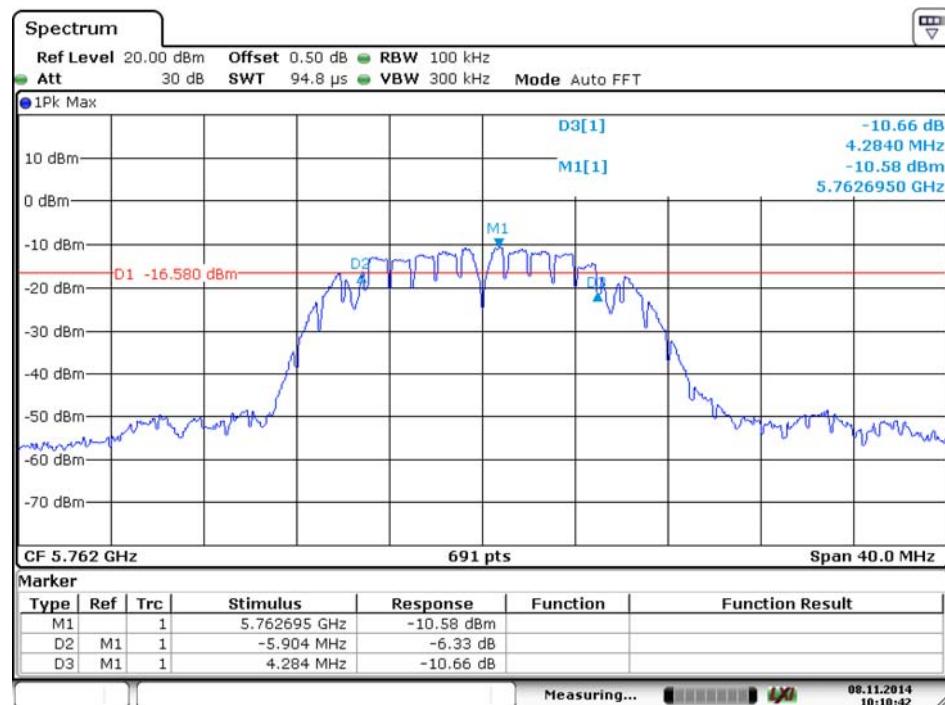
Date: 8.NOV.2014 09:14:57

Low channel(Antenna B)



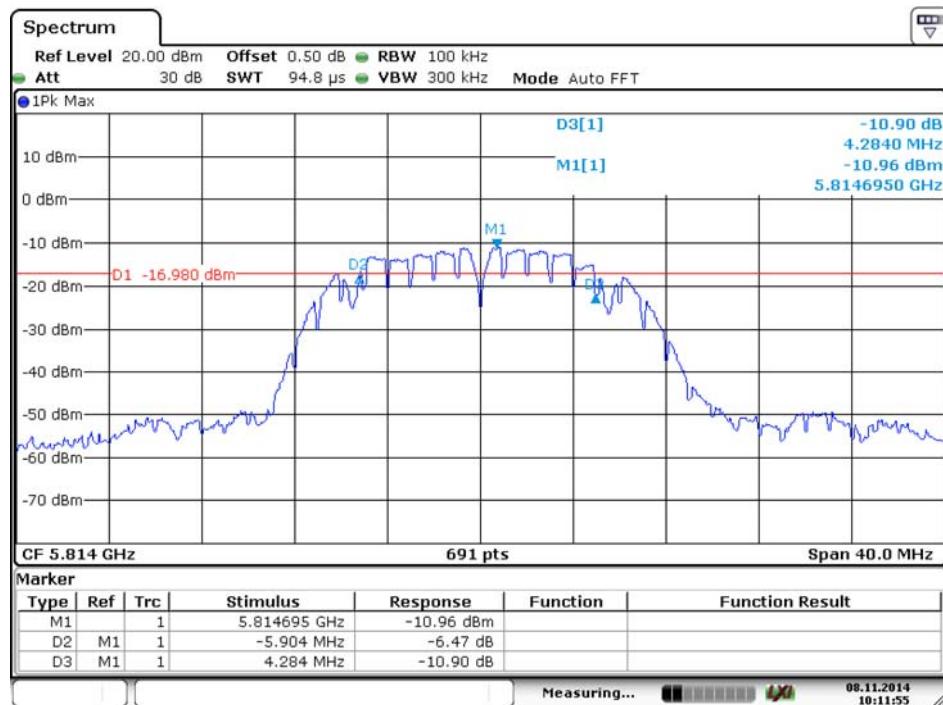
Date: 8.NOV.2014 10:08:52

Middle channel(Antenna B)



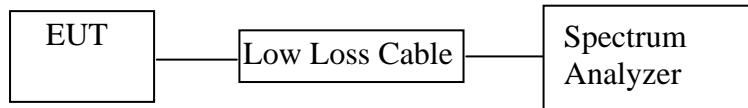
Date: 8.NOV.2014 10:10:42

High channel(Antenna B)



6. POWER SPECTRAL DENSITY TEST

6.1. Block Diagram of Test Setup



(EUT: Wireless Audio Transmitter)

6.2. The Requirement For Section 15.247(e)

Section 15.247(e): For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

6.3. EUT Configuration on Measurement

The 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.

6.4. Operating Condition of EUT

6.4.1. Setup the EUT and simulator as shown as Section 6.1.

6.4.2. Turn on the power of all equipment.

6.4.3. Let the EUT work in TX modes and measure it. The transmit frequency are 5736MHz, 5762MHz, 5814MHz. We select these frequency to transmit.

6.5. Test Procedure

Refer to KDB 558074 D01 DTS Meas Guidance v03r02

6.5.1. Set analyzer center frequency to DTS channel center frequency.

6.5.2. Set the span to 1.5 times the DTS bandwidth.

6.5.3. Set the RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$. Set the VBW $\geq 3 \times \text{RBW}$.

6.5.4. Detector = peak.

6.5.5.Sweep time = auto couple.

6.5.6.Trace mode = max hold. Allow trace to fully stabilize.

6.5.7.Use the peak marker function to determine the maximum amplitude level within the RBW.

6.6.Test Result

Antenna A test result

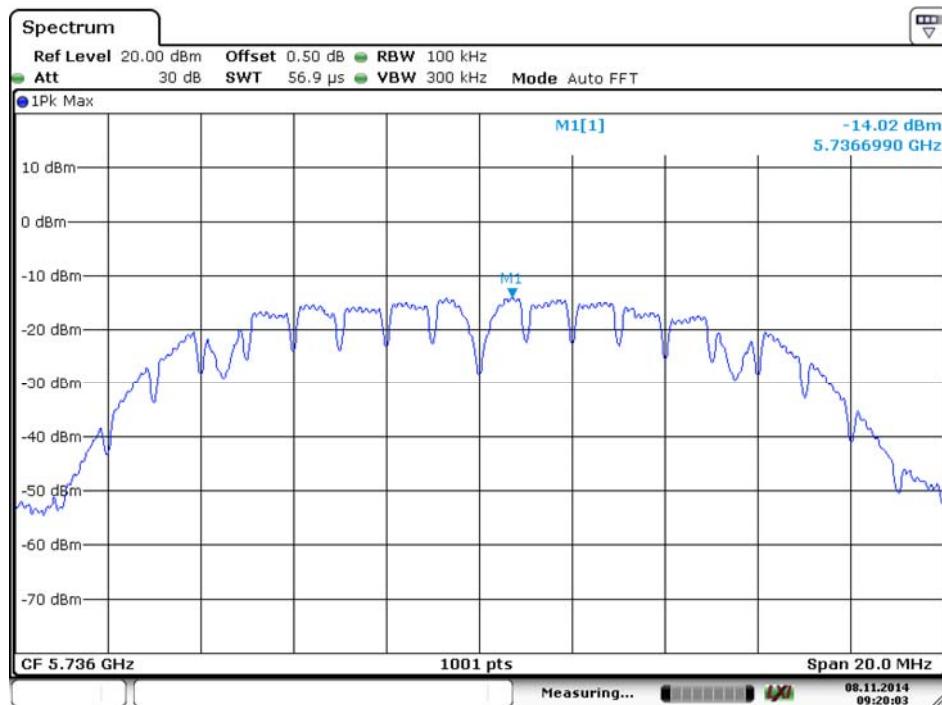
Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limit (dBm)	Result
Low	5736MHz	-14.02	≤8.00	PASS
Middle	5762MHz	-13.64	≤8.00	PASS
High	5814MHz	-12.98	≤8.00	PASS

Antenna B test result

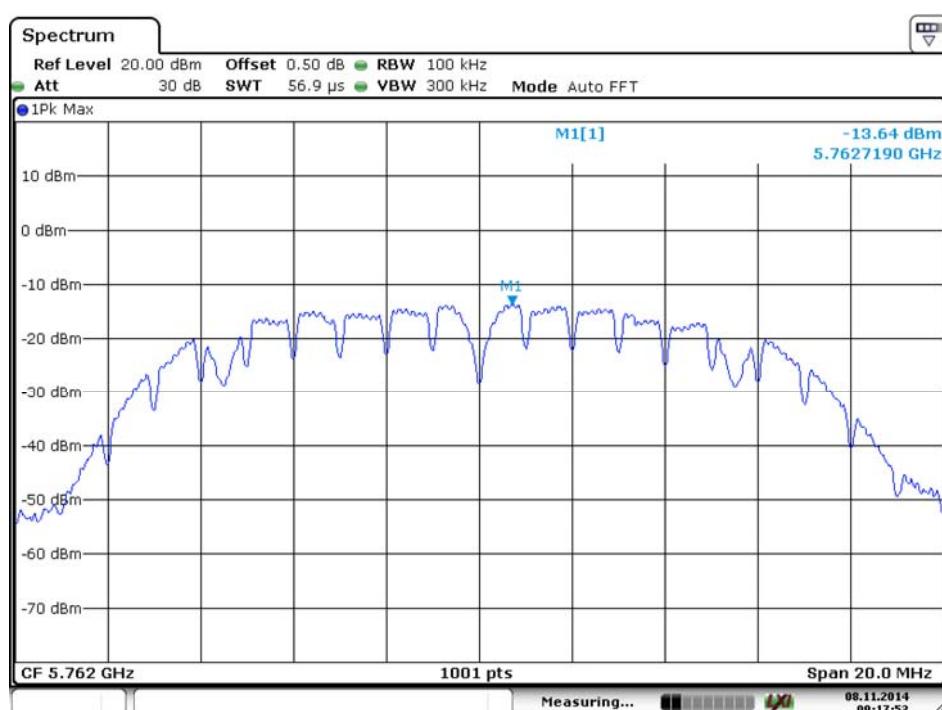
Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limit (dBm)	Result
Low	5736MHz	-10.03	≤8.00	PASS
Middle	5762MHz	-10.63	≤8.00	PASS
High	5814MHz	-10.51	≤8.00	PASS

The spectrum analyzer plots are attached as below.

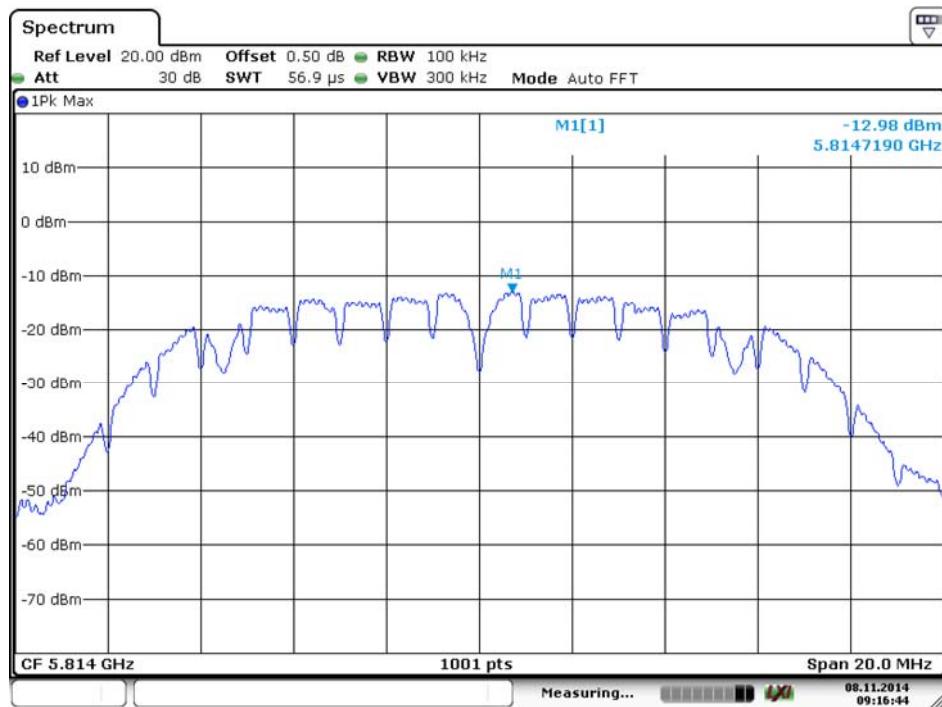
Low channel(Antenna A)



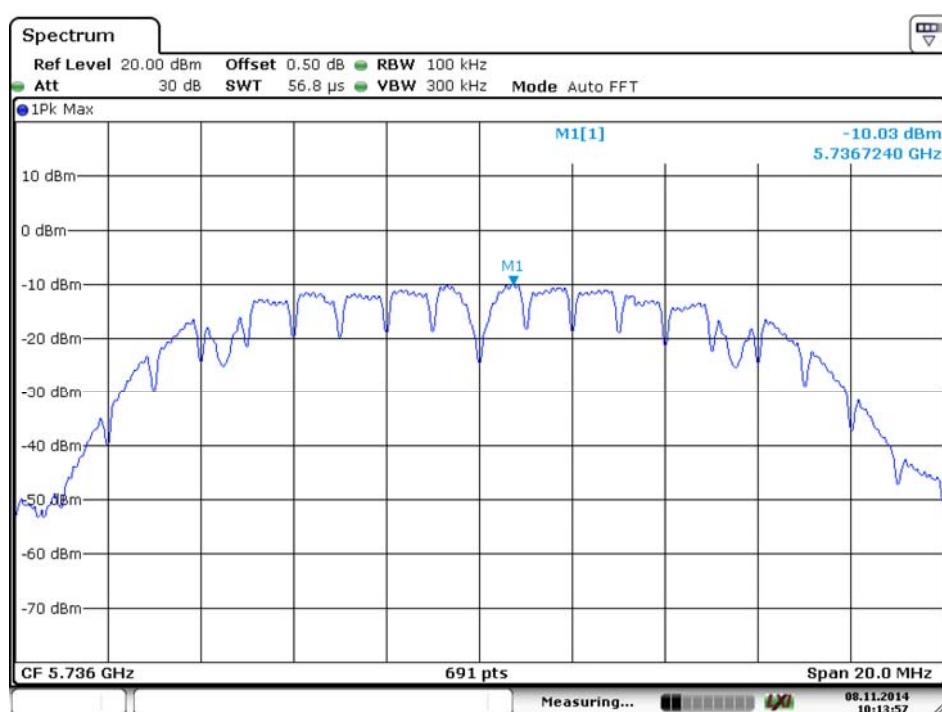
Middle channel(Antenna A)



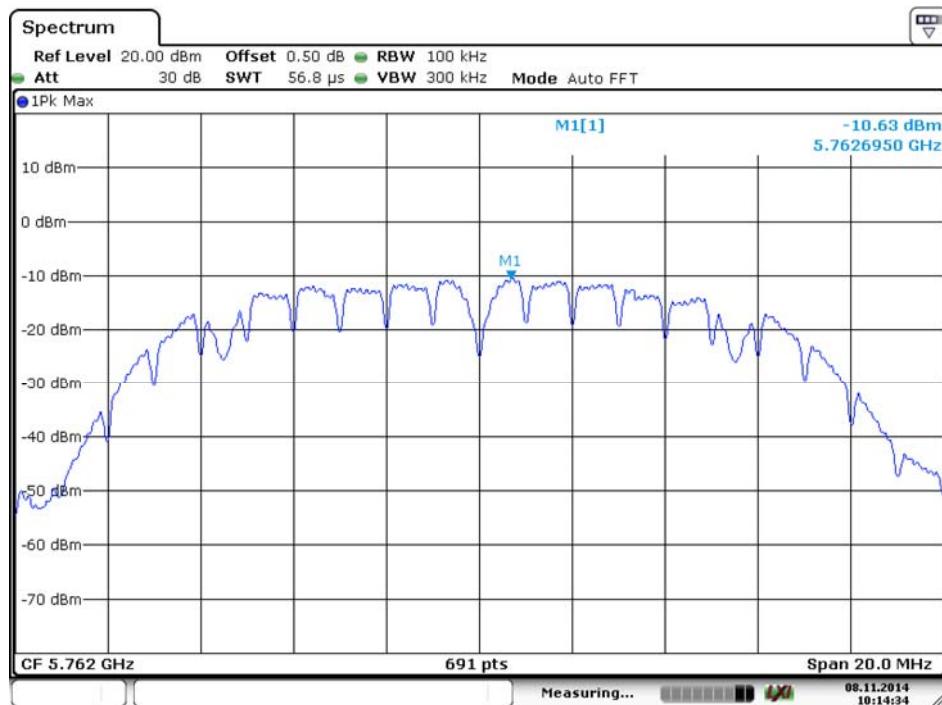
High channel(Antenna A)



Low channel(Antenna B)

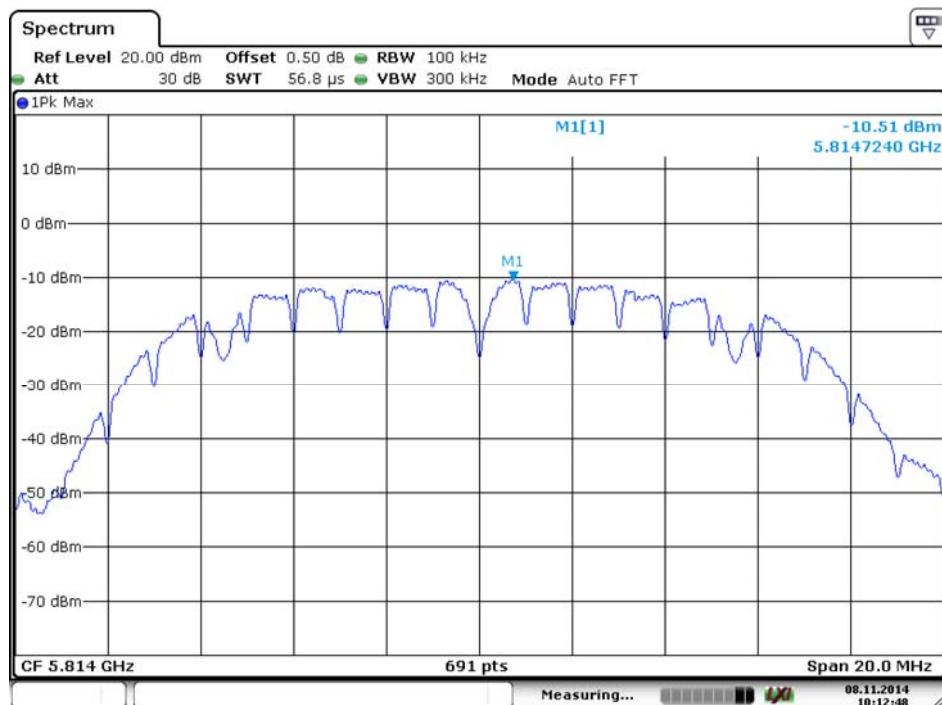


Middle channel(Antenna B)



Date: 8.NOV.2014 10:14:34

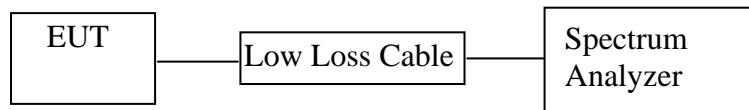
High channel(Antenna B)



Date: 8.NOV.2014 10:12:49

7. RF CONDUCTED SPURIOUS EMISSIONS TEST

7.1. Block Diagram of Test Setup



(EUT: Wireless Audio Transmitter)

7.2. The Requirement For Section 15.247(d)

Section 15.247(d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

7.3. EUT Configuration on Measurement

The 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.

7.4. Operating Condition of EUT

7.4.1. Setup the EUT and simulator as shown as Section 7.1.

7.4.2. Turn on the power of all equipment.

7.4.3. Let the EUT work in TX modes measure it.

7.5. Test Procedure

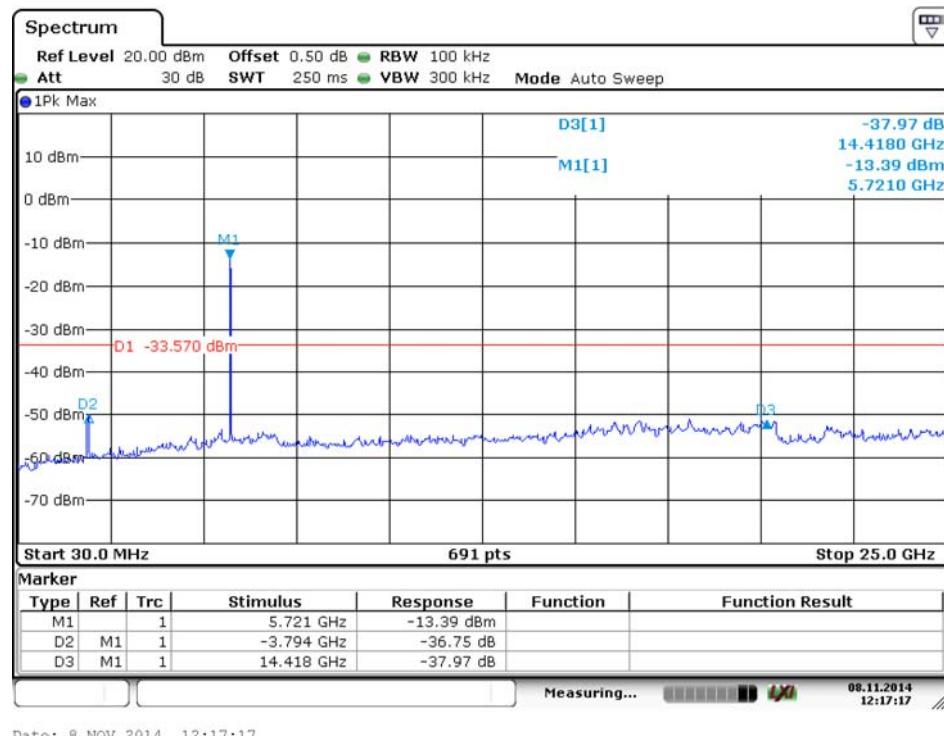
7.5.1. The transmitter output was connected to the spectrum analyzer through a low loss cable.

7.5.2. Set the test frequency range from 30MHz to 25GHz and set RBW=100 kHz, VBW=300 kHz.

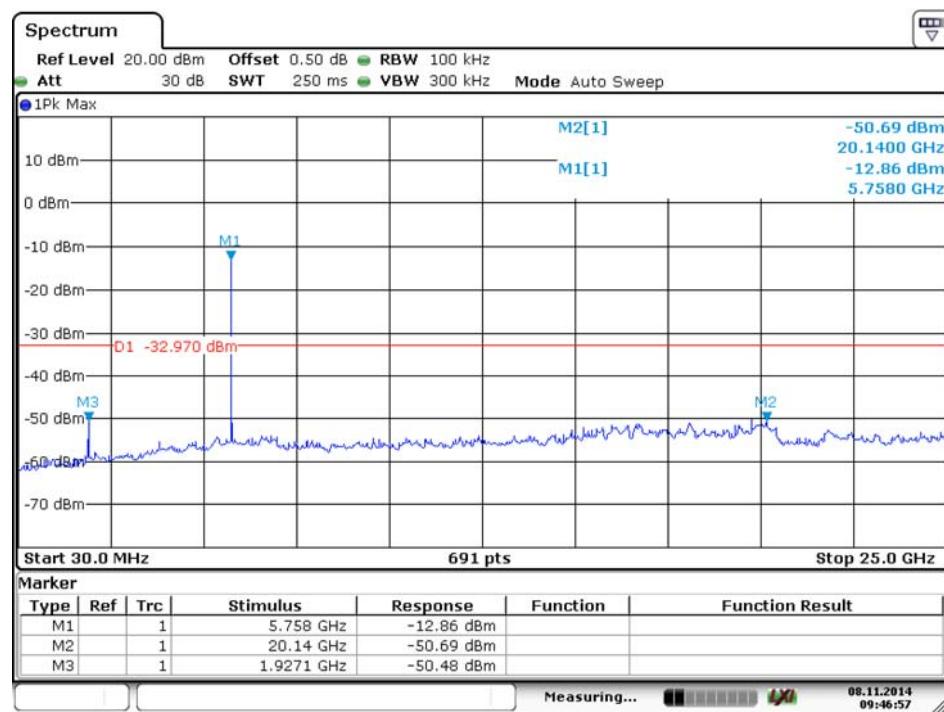
7.6. Test Result

The spectrum analyzer plots are attached as below.

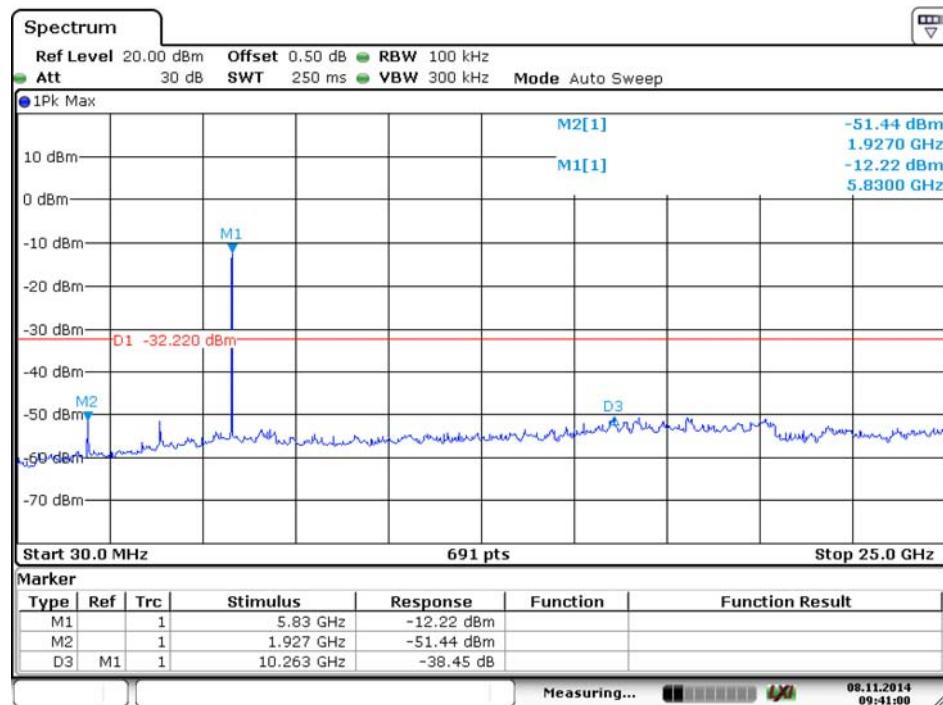
Low channel(Antenna A)



Middle channel(Antenna A)

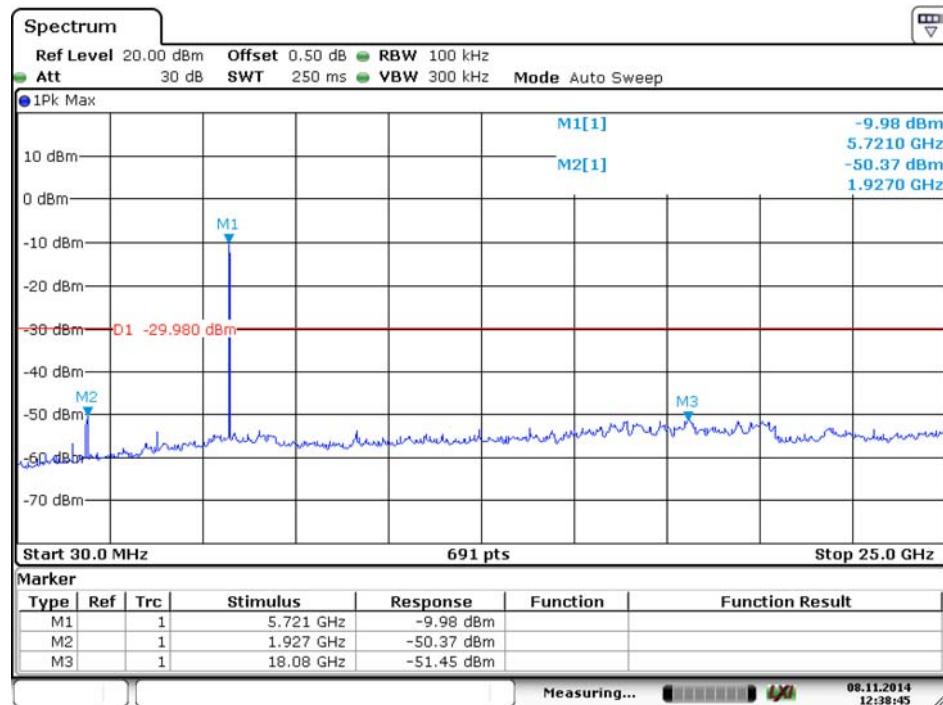


High channel(Antenna A)



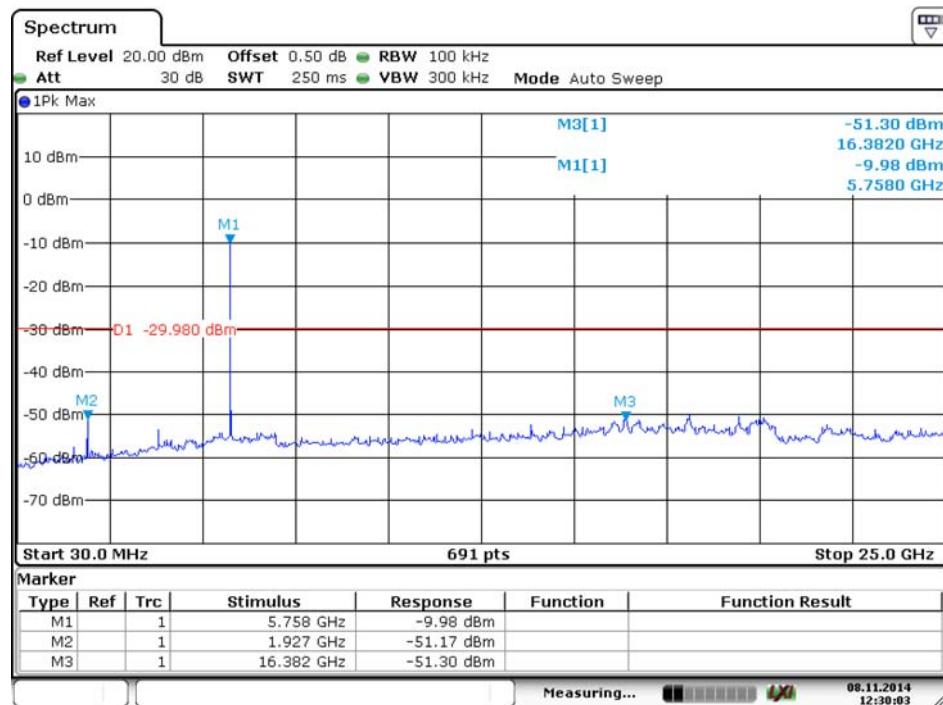
Date: 8.NOV.2014 09:41:00

Low channel(Antenna B)



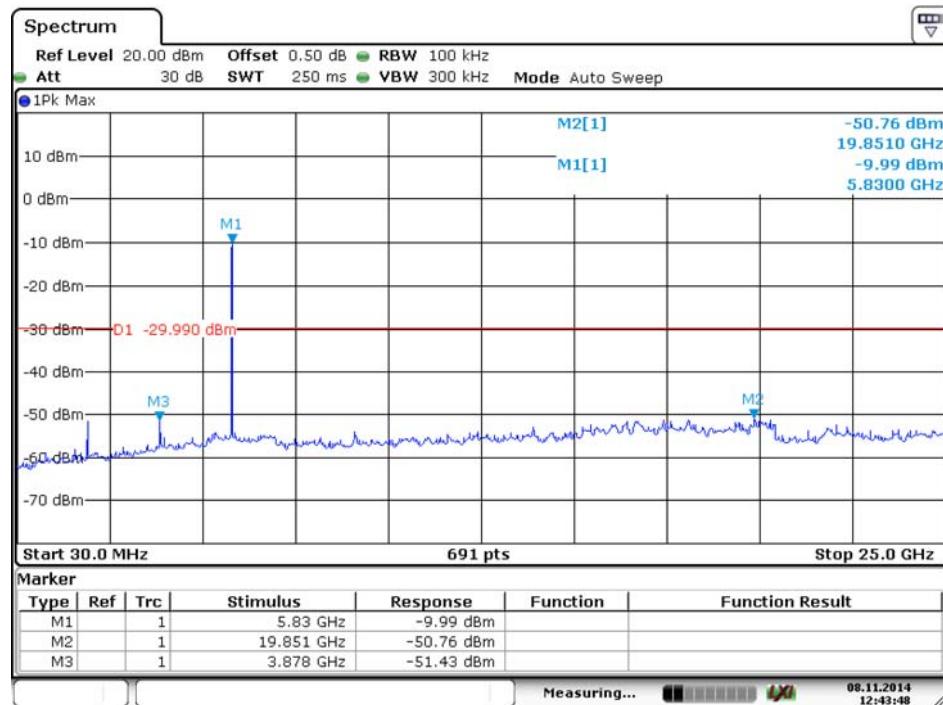
Date: 8.NOV.2014 12:38:46

Middle channel(Antenna B)



Date: 8.NOV.2014 12:30:04

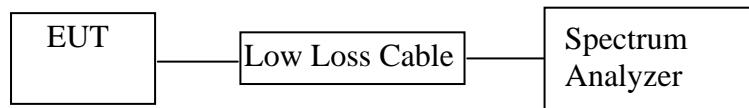
High channel(Antenna B)



Date: 8.NOV.2014 12:43:48

8. MAXIMUM CONDUCTED (AVERAGE) OUTPUT POWER

8.1. Block Diagram of Test Setup



(EUT: Wireless Audio Transmitter)

8.2. The Requirement For Section 15.247(b)(3)

Section 15.247(b)(1): For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt.

8.3. EUT Configuration on Measurement

The 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.

8.4. Operating Condition of EUT

8.4.1. Setup the EUT and simulator as shown as Section 8.1.

8.4.2. Turn on the power of all equipment.

8.4.3. Let the EUT work in TX modes and measure it. The transmit frequency are 5736MHz, 5762MHz, 5814MHz.

8.5. Test Procedure

Refer to KDB 558074 D01 DTS Meas Guidance v03r02

8.5.1. The transmitter output was connected to the spectrum analyzer through a low loss cable.

8.5.2. Set span to at least 1.5 times the OBW.

8.5.3. Set RBW = 1-5% of the OBW, not to exceed 1 MHz.

8.5.4. Set RBW of spectrum analyzer to 1MHz and VBW to 3MHz for test mode. Set detector = RMS. Set span to at least 1.5 times the OBW. The EUT shall be operated at $\geq 98\%$ duty cycle

8.5.5.Sweep time = auto.

8.5.6.Measurement the maximum conducted(Average) output power.

8.6.Test Result

Antenna A test result

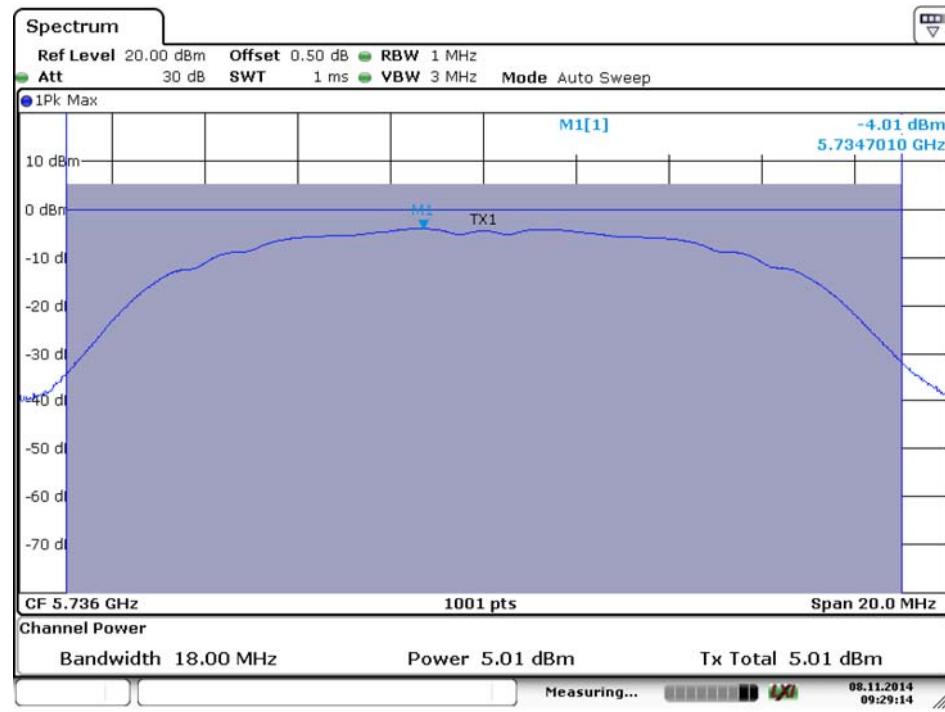
Channel	Frequency (MHz)	Max Output Power (dBm)	Limits dBm
Low	5736	5.01	30
Middle	5762	4.73	30
High	5814	5.91	30

Antenna B test result

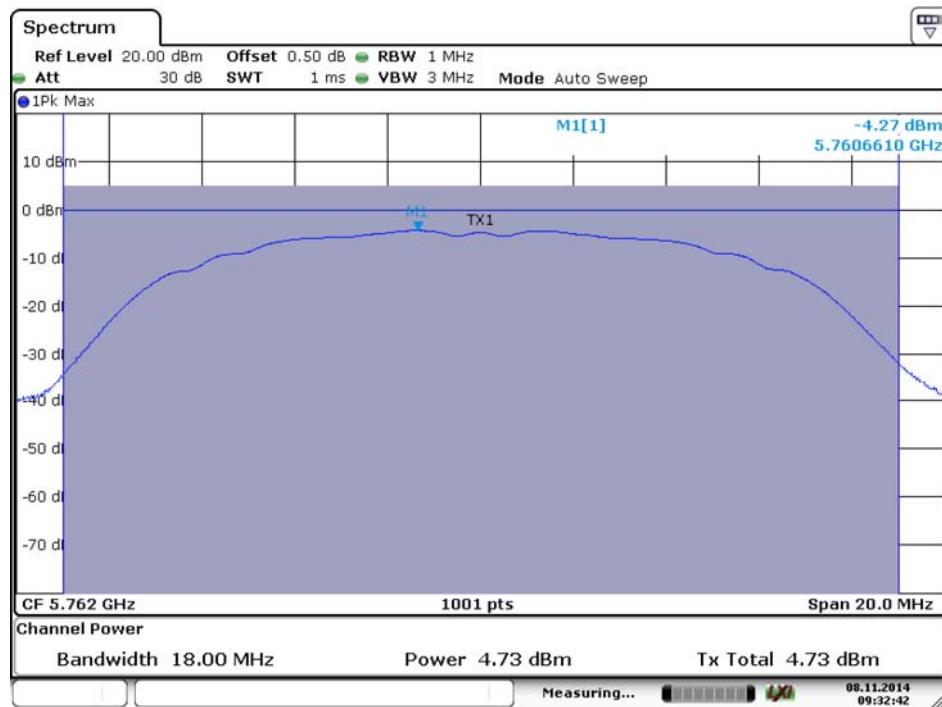
Channel	Frequency (MHz)	Max Output Power (dBm)	Limits dBm
Low	5736	8.08	30
Middle	5762	7.89	30
High	5814	7.93	30

The spectrum analyzer plots are attached as below.

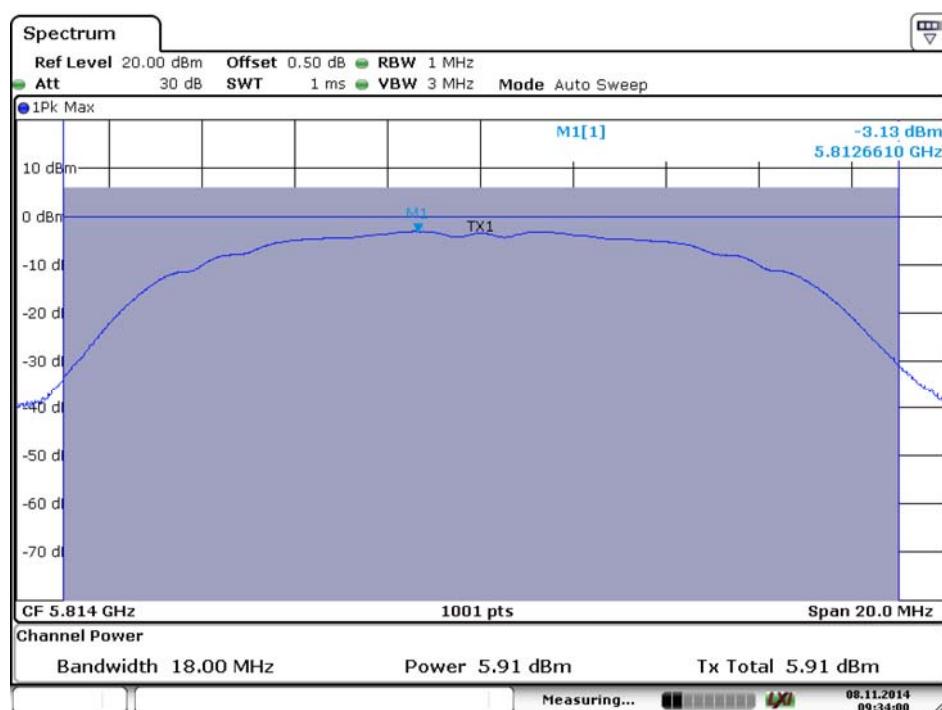
Low channel (Antenna A)



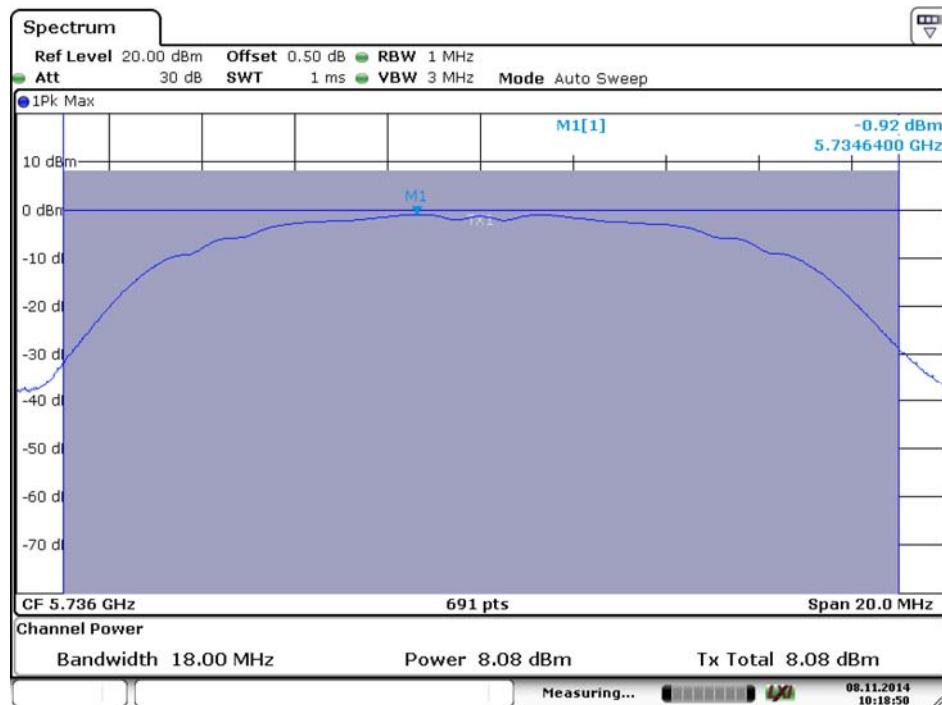
Middle channel (Antenna A)



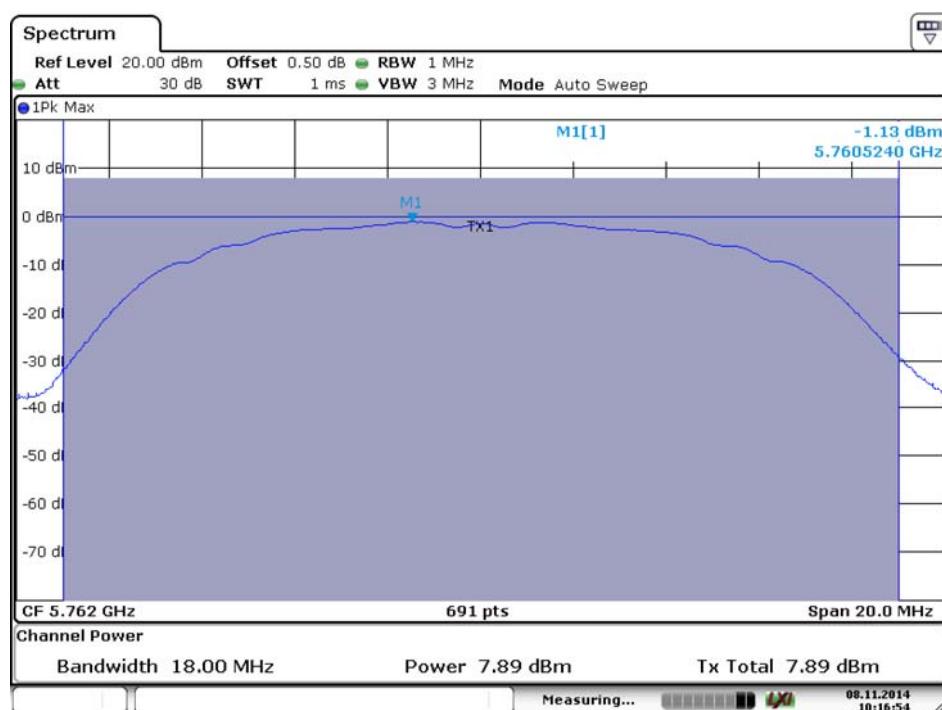
High channel (Antenna A)



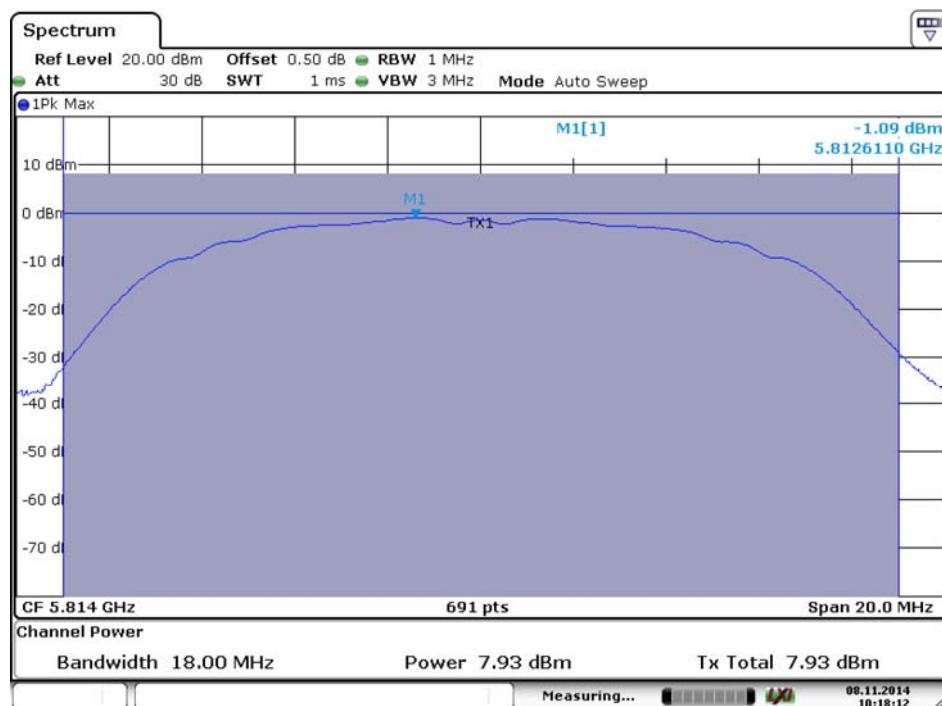
Low channel (Antenna B)



Middle channel (Antenna B)



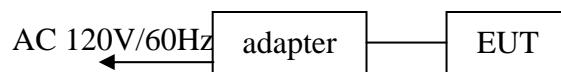
High channel (Antenna B)



9. RADIATED EMISSION TEST

9.1. Block Diagram of Test Setup

9.1.1. Block diagram of connection between the EUT and simulators

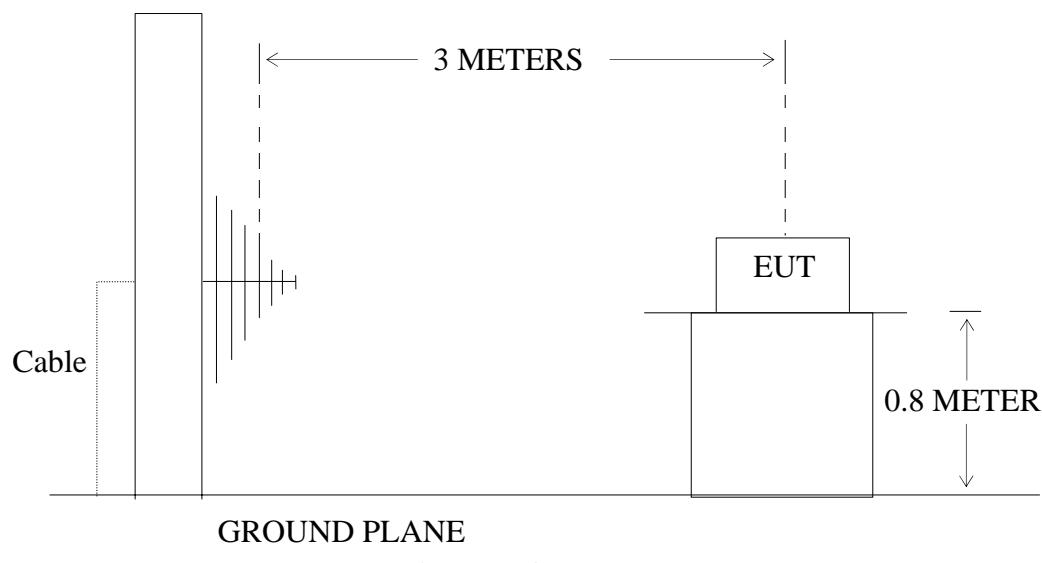


(EUT: Wireless Audio Transmitter)

9.1.1. Semi-Anechoic Chamber Test Setup Diagram

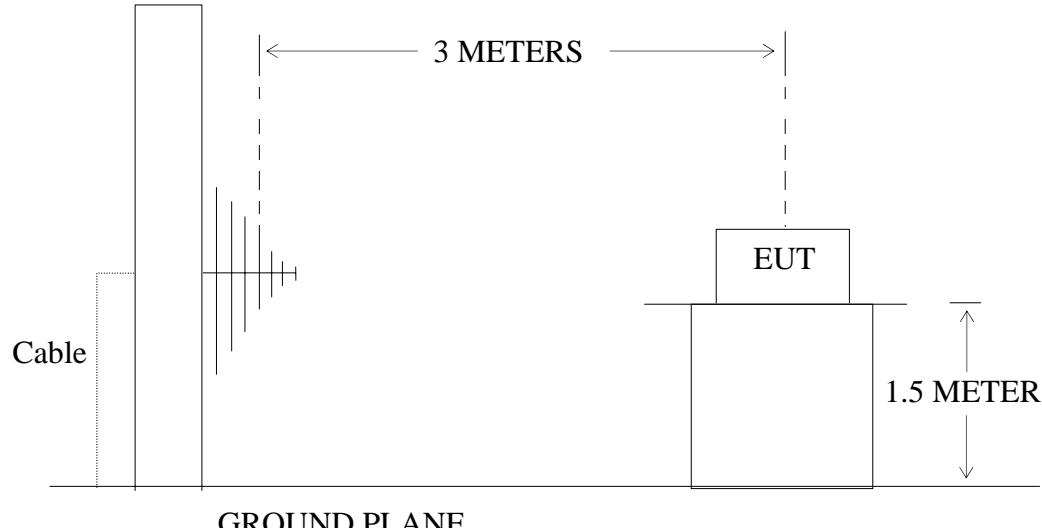
Below 1GHz

ANTENNA ELEVATION VARIES FROM 1 TO 4 METERS



Above 1GHz

ANTENNA ELEVATION VARIES FROM 1 TO 4 METERS



9.2.The Limit For Section 15.247(d)

Section 15.247(d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

9.3.Restricted bands of operation

9.3.1.FCC Part 15.205 Restricted bands of operation

- (a) Except as shown in paragraph (d) of this section, Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

¹Until February 1, 1999, this restricted band shall be 0.490-0.510

²Above 38.6

- (b) Except as provided in paragraphs (d) and (e), the field strength of emission appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000MHz, Compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

9.4.Configuration of EUT on Measurement

The 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.

9.5. Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground(Below 1GHz). The EUT and its simulators are placed on a turntable, which is 1.5 meter high above ground(Above 1GHz). 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 C63.10:2013 on radiated emission measurement.

The bandwidth of test receiver (R&S ESI26) is set at 120 KHz in 30-1000MHz. and set at 1MHz in above 1000MHz.

The frequency range from 30MHz to 40000MHz is checked.

The final measurement in band 9-90 kHz, 110-490 kHz 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.

The field strength is calculated by adding the antenna factor, and cable loss, and subtracting the amplifier gain from the measured reading. The basic equation calculation is as follows:

Result = Reading + Corrected Factor

Where Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

9.6.The Field Strength of Radiation Emission Measurement Results

Note:

1. The 18-40GHz emissions are not reported, because the levels are too low against the limit.
2. we tested radiation emission of Antenna A and Antenna B, The following test data is the worst case(Antenna B) data which I have recorded

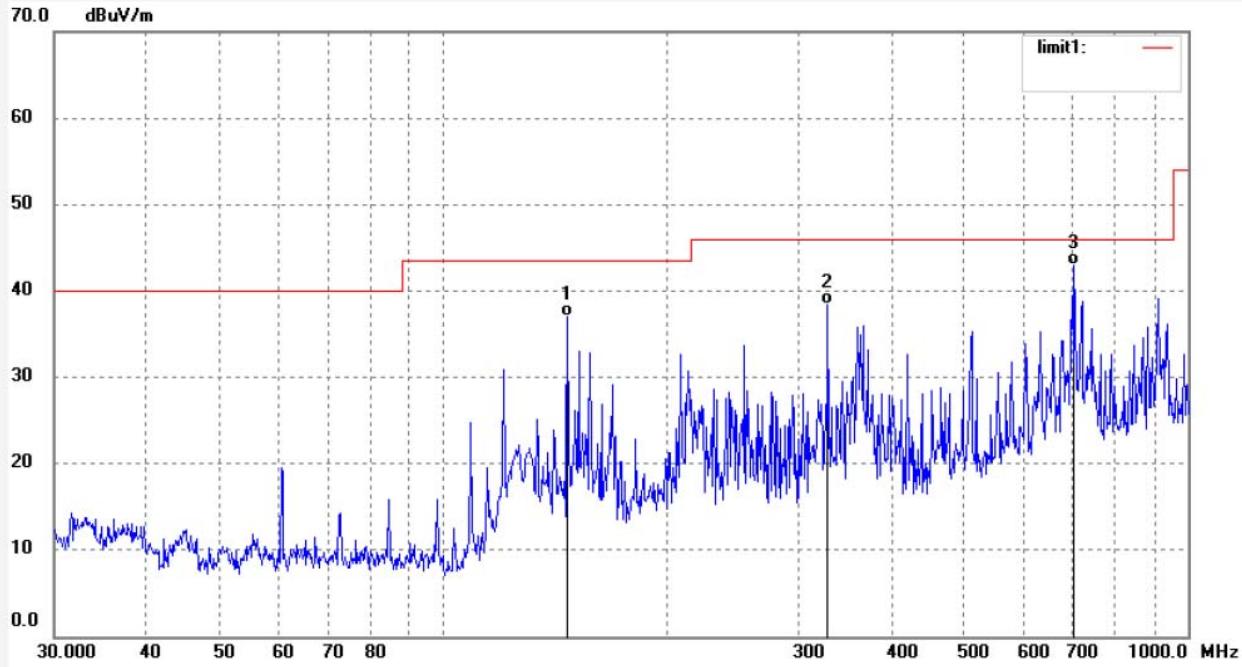


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Site: 2# Chamber
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Fax:+86-0755-26503396

Job No.: WCARRY2015 #17	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 14/10/29/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/30/55
EUT: Wireless Audio Transmitter	Engineer Signature: Carry
Mode: TX 5736MHz	Distance: 3m
Model: T2	
Manufacturer: Questyle Audio	
Note: Report NO.:ATE20142049	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	146.8392	60.76	-23.75	37.01	43.50	-6.49	QP			
2	328.3068	55.46	-17.06	38.40	46.00	-7.60	QP			
3	703.7314	52.73	-9.72	43.01	46.00	-2.99	QP			



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Fax:+86-0755-26503396

Job No.: WCARRY2015 #16

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/10/29/

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

Time: 10/28/27

EUT: Wireless Audio Transmitter

Engineer Signature: Carry

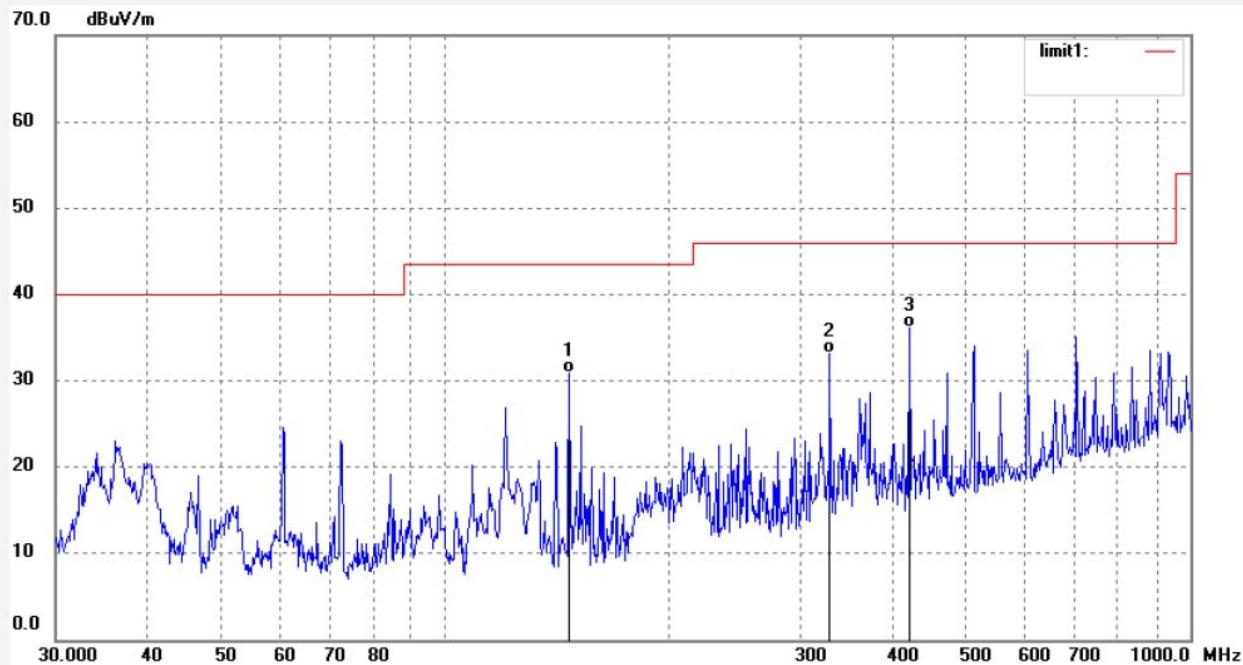
Mode: TX 5736MHz

Distance: 3m

Model: T2

Manufacturer: Questyle Audio

Note: Report NO.:ATE20142049



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	146.8392	54.66	-23.75	30.91	43.50	-12.59	QP			
2	328.3068	50.24	-17.06	33.18	46.00	-12.82	QP			
3	419.8509	51.48	-15.37	36.11	46.00	-9.89	QP			



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Fax:+86-0755-26503396

Job No.: WCARRY2015 #13

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/10/29/

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

Time: 10/22/42

EUT: Wireless Audio Transmitter

Engineer Signature: Carry

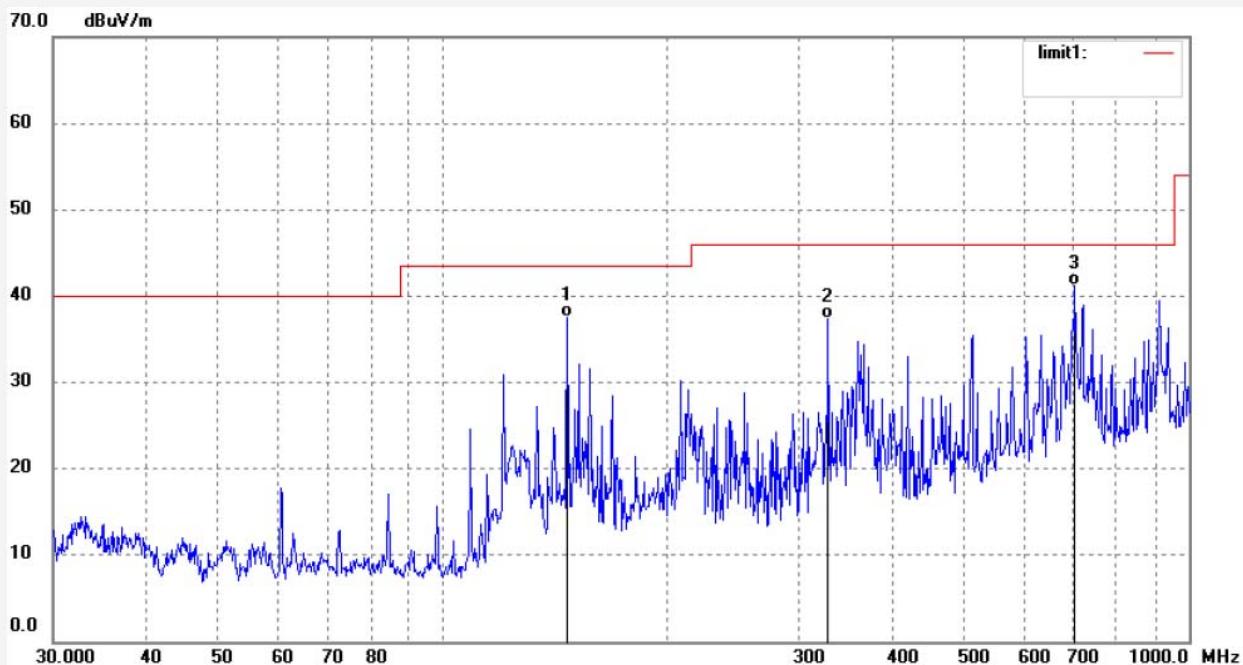
Mode: TX 5762MHz

Distance: 3m

Model: T2

Manufacturer: Questyle Audio

Note: Report NO.:ATE20142049



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	146.8392	61.33	-23.75	37.58	43.50	-5.92	QP			
2	328.3068	54.44	-17.06	37.38	46.00	-8.62	QP			
3	703.7314	50.97	-9.72	41.25	46.00	-4.75	QP			



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Fax:+86-0755-26503396

Job No.: WCARRY2015 #12

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/10/29/

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

Time: 10/20/51

EUT: Wireless Audio Transmitter

Engineer Signature: Carry

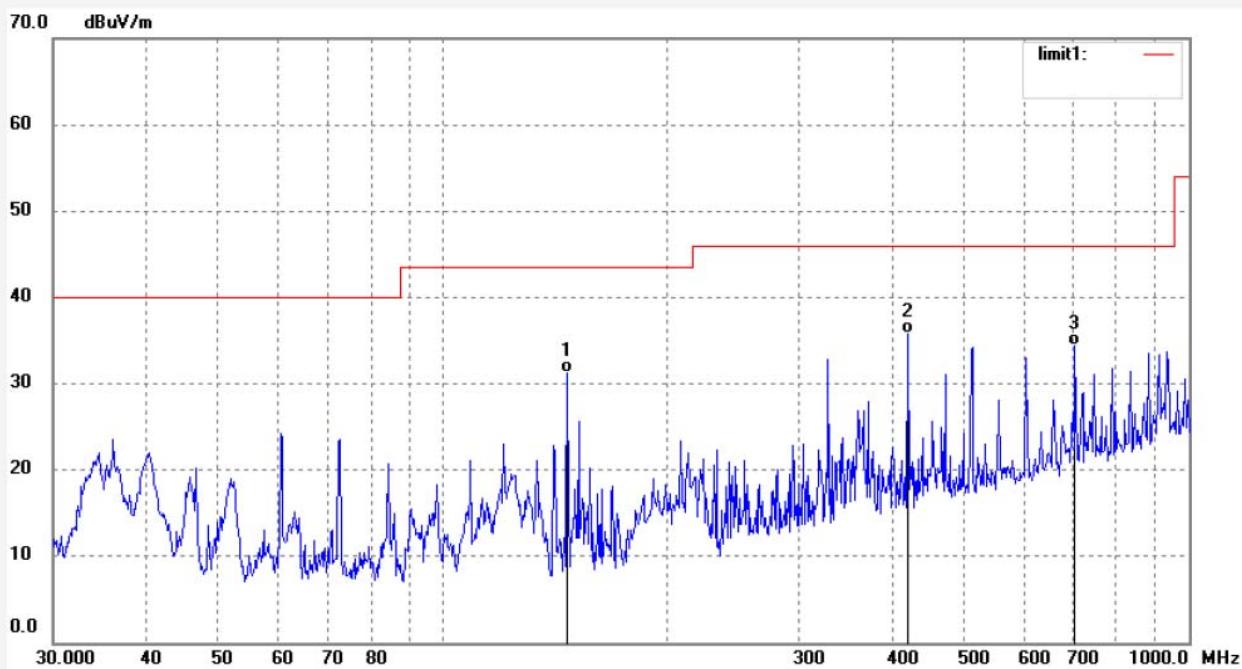
Mode: TX 5762MHz

Distance: 3m

Model: T2

Manufacturer: Questyle Audio

Note: Report NO.:ATE20142049



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	146.8392	55.01	-23.75	31.26	43.50	-12.24	QP			
2	419.8509	51.18	-15.37	35.81	46.00	-10.19	QP			
3	703.7314	44.19	-9.72	34.47	46.00	-11.53	QP			



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Fax:+86-0755-26503396

Job No.: WCARRY2015 #14

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/10/29/

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

Time: 10/25/15

EUT: Wireless Audio Transmitter

Engineer Signature: Carry

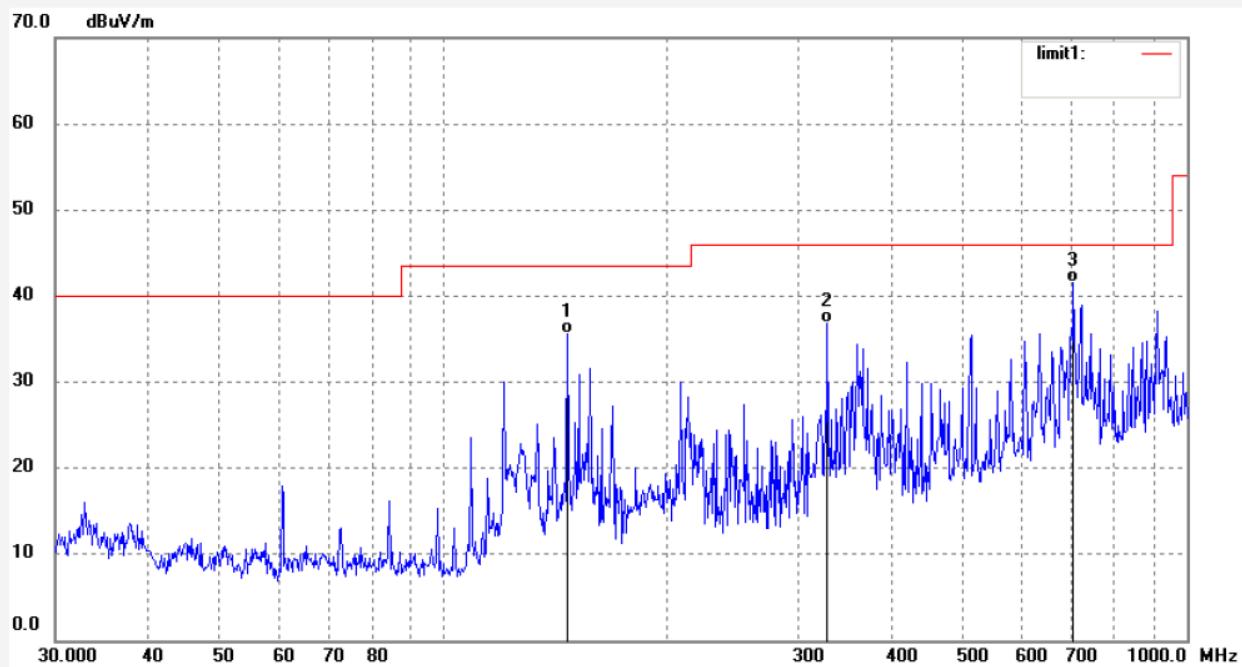
Mode: TX 5814MHz

Distance: 3m

Model: T2

Manufacturer: Questyle Audio

Note: Report NO.:ATE20142049



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	146.8392	59.31	-23.75	35.56	43.50	-7.94	QP			
2	328.3068	53.96	-17.06	36.90	46.00	-9.10	QP			
3	703.7314	51.24	-9.72	41.52	46.00	-4.48	QP			



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Fax:+86-0755-26503396

Job No.: WCARRY2015 #15

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/10/29/

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

Time: 10/26/06

EUT: Wireless Audio Transmitter

Engineer Signature: Carry

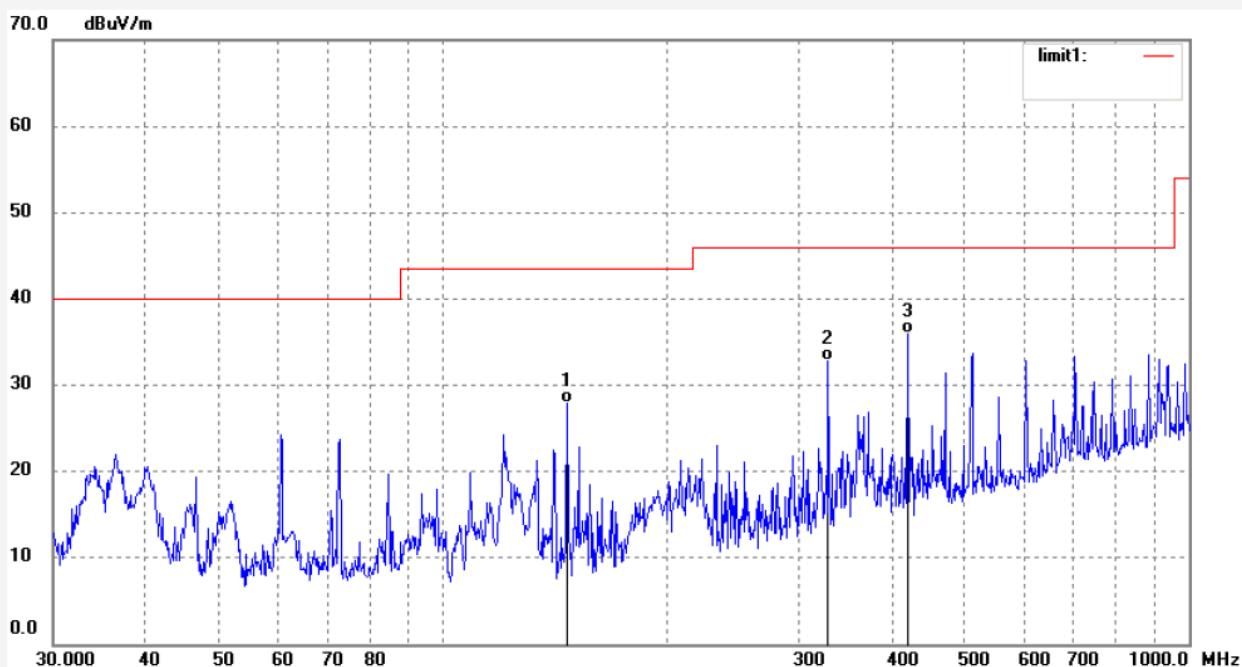
Mode: TX 5814MHz

Distance: 3m

Model: T2

Manufacturer: Questyle Audio

Note: Report NO.:ATE20142049



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	146.8392	51.61	-23.75	27.86	43.50	-15.64	QP			
2	328.3068	49.94	-17.06	32.88	46.00	-13.12	QP			
3	419.8509	51.36	-15.37	35.99	46.00	-10.01	QP			



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Fax:+86-0755-26503396

Job No.: carry2014 #21

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014/11/07

Temp.(C)/Hum.(%) 23 C / 48 %

Time: 19:31:33

EUT: Wireless Audio Transmitter

Engineer Signature:

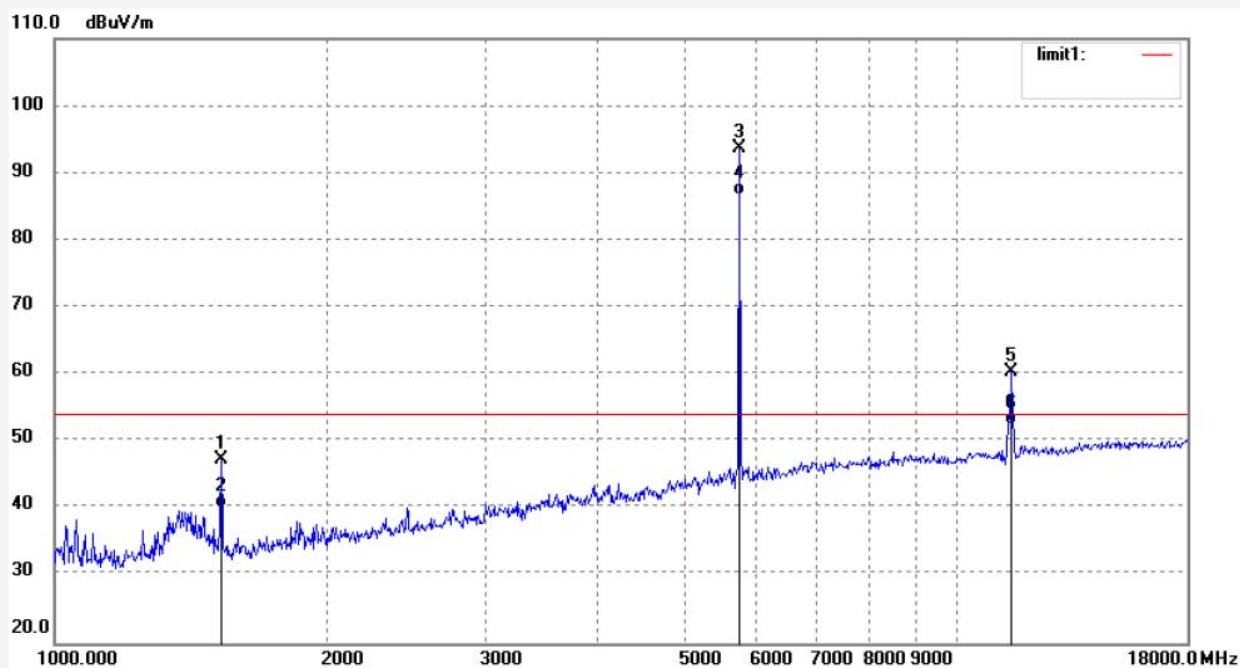
Mode: TX 5736MHz

Distance: 3m

Model: T2

Manufacturer: Questyle Audio Technology Co,Ltd

Note: Report NO.:ATE20142049



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1529.414	58.52	-11.20	47.32	74.00	-26.68	peak			
2	1529.414	51.28	-11.20	40.08	54.00	-13.92	AVG			
3	5736.982	92.14	1.44	93.58			peak			
4	5736.982	85.23	1.44	86.67			AVG			
5	11467.005	49.91	10.54	60.45	74.00	-13.55	peak			
6	11467.005	41.92	10.54	52.46	54.00	-1.54	AVG			



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Fax:+86-0755-26503396

Job No.: carry2014 #22

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014/11/07

Temp.(C)/Hum.(%) 23 C / 48 %

Time: 19:39:01

EUT: Wireless Audio Transmitter

Engineer Signature:

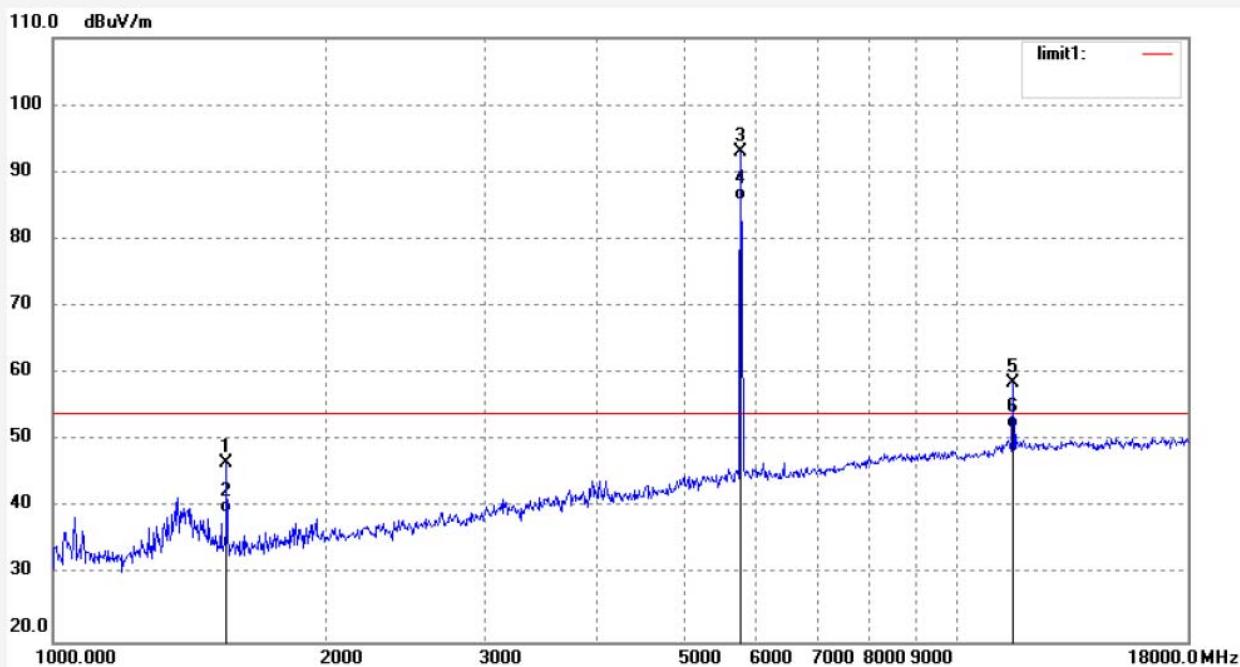
Mode: TX 5762MHz

Distance: 3m

Model: T2

Manufacturer: Questyle Audio Technology Co,Ltd

Note: Report NO.:ATE20142049



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1556.168	57.70	-11.00	46.70	74.00	-27.30	peak			
2	1556.168	50.32	-11.00	39.32	54.00	-14.68	AVG			
3	5762.617	91.38	1.66	93.04			peak			
4	5762.617	84.15	1.66	85.81			AVG			
5	11533.485	48.14	10.55	58.69	74.00	-15.31	peak			
6	11533.485	41.32	10.55	51.87	54.00	-2.13	AVG			



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Fax:+86-0755-26503396

Job No.: carry2014 #23

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014/11/07

Temp.(C)/Hum.(%) 23 C / 48 %

Time: 19:40:20

EUT: Wireless Audio Transmitter

Engineer Signature:

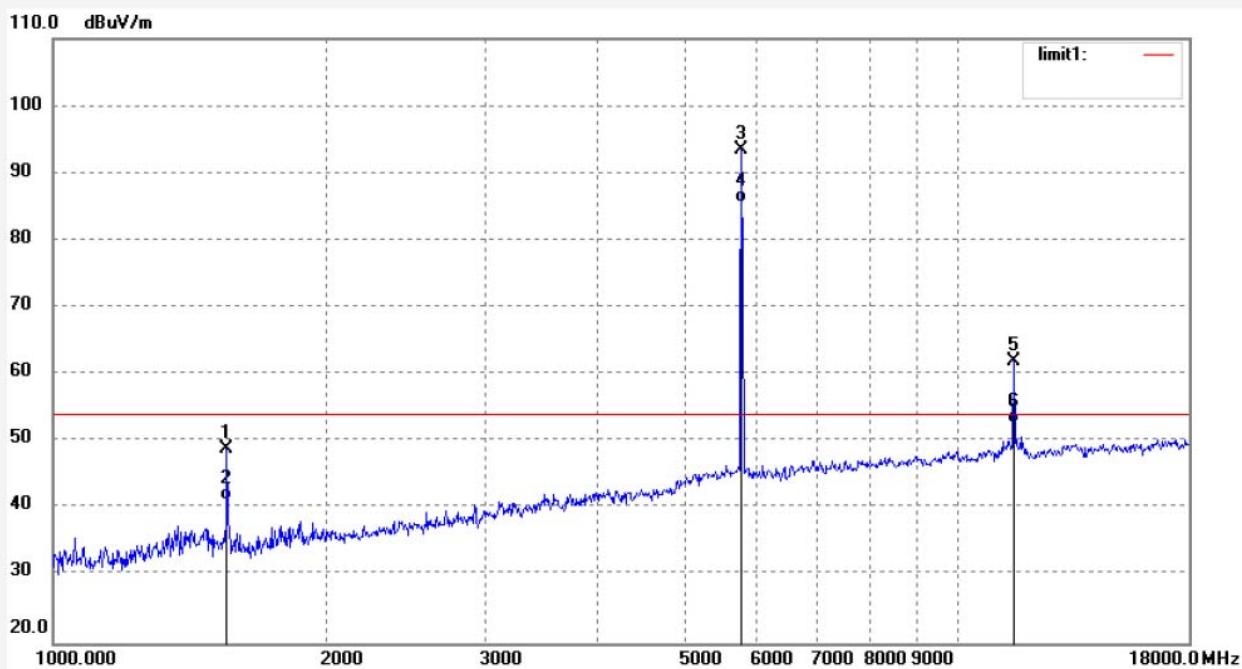
Mode: TX 5762MHz

Distance: 3m

Model: T2

Manufacturer: Questyle Audio Technology Co,Ltd

Note: Report NO.:ATE20142049



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1556.168	59.86	-11.00	48.86	74.00	-25.14	peak			
2	1556.168	52.17	-11.00	41.17	54.00	-12.83	AVG			
3	5762.617	91.87	1.66	93.53			peak			
4	5762.617	83.82	1.66	85.48			AVG			
5	11533.485	51.41	10.55	61.96	74.00	-12.04	peak			
6	11533.485	42.28	10.55	52.83	54.00	-1.17	AVG			

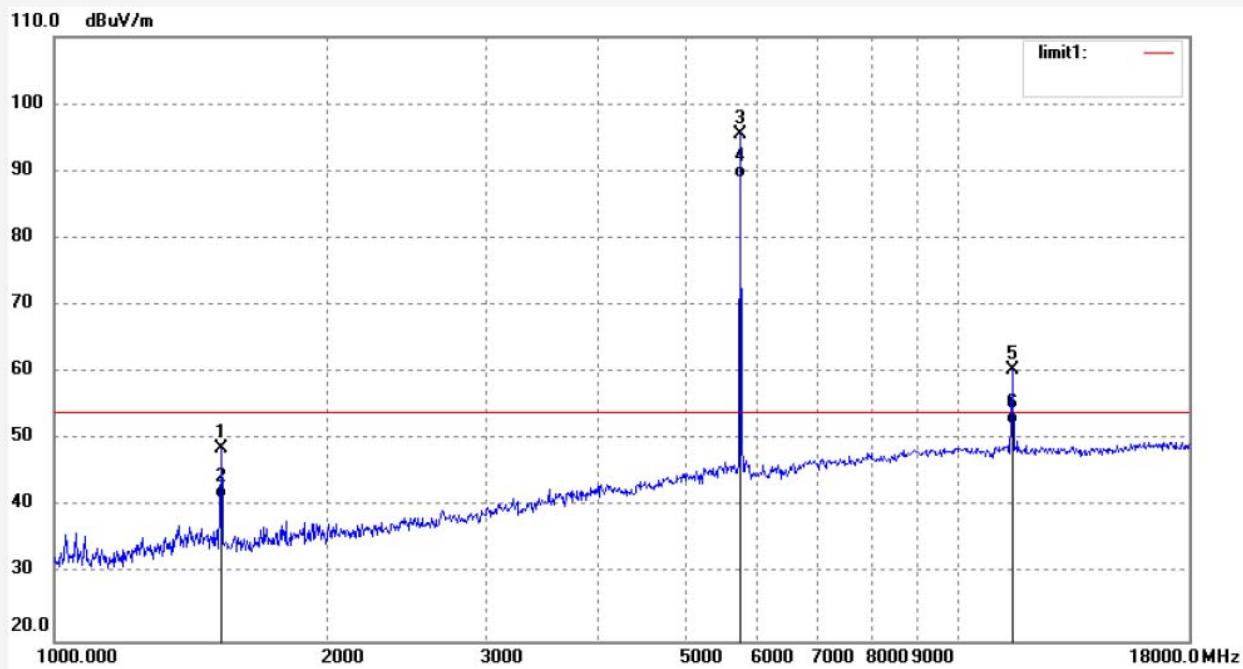


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Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: carry2014 #20	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2014/11/07
Temp.(C)/Hum.(%) 23 C / 48 %	Time: 19:29:22
EUT: Wireless Audio Transmitter	Engineer Signature:
Mode: TX 5736MHz	Distance: 3m
Model: T2	
Manufacturer: Questyle Audio Technology Co,Ltd	
Note: Report NO.:ATE20142049	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1529.414	59.93	-11.20	48.73	74.00	-25.27	peak			
2	1529.414	52.49	-11.20	41.29	54.00	-12.71	AVG			
3	5736.982	94.04	1.44	95.48			peak			
4	5736.982	87.62	1.44	89.06			AVG			
5	11467.005	49.75	10.54	60.29	74.00	-13.71	peak			
6	11467.005	41.85	10.54	52.39	54.00	-1.61	AVG			



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Fax:+86-0755-26503396

Job No.: carry2014 #25

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014/11/07

Temp.(C)/Hum.(%) 23 C / 48 %

Time: 19:50:48

EUT: Wireless Audio Transmitter

Engineer Signature:

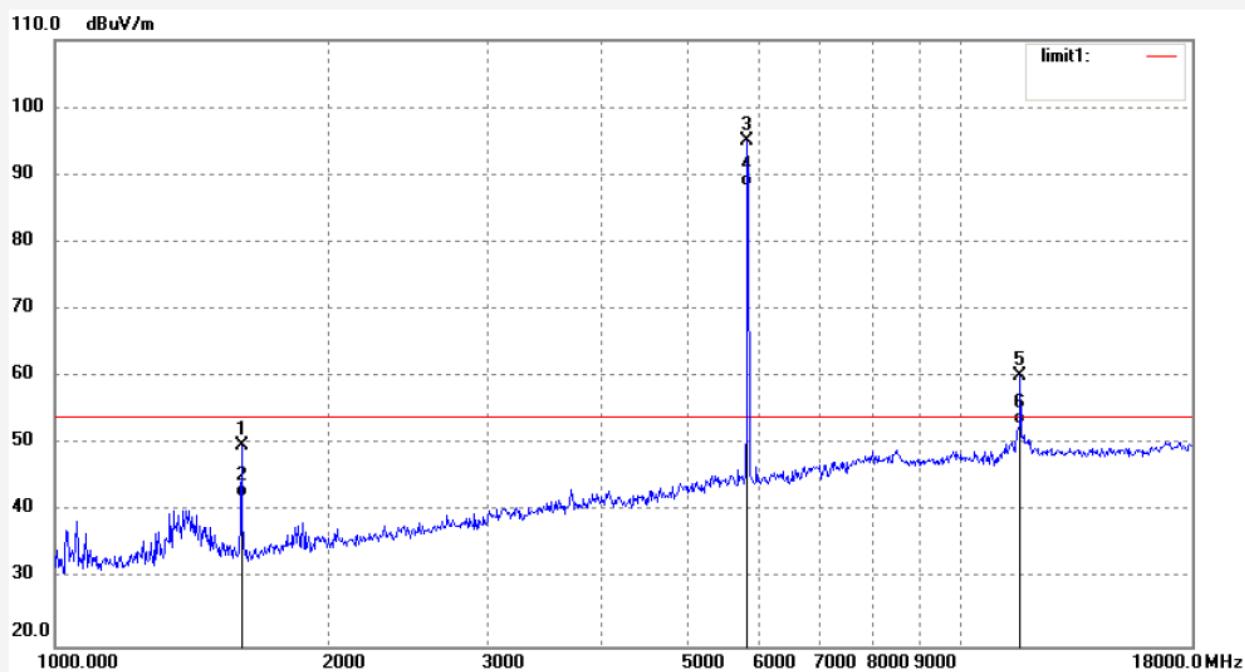
Mode: TX 5814MHz

Distance: 3m

Model: T2

Manufacturer: Questyle Audio Technology Co,Ltd

Note: Report NO.:ATE20142049



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1606.441	60.76	-11.04	49.72	54.00	-4.28	peak			
2	1606.441	53.28	-11.04	42.24	54.00	-11.76	AVG			
3	5813.811	93.15	1.97	95.12			peak			
4	5813.811	86.28	1.97	88.25			AVG			
5	11633.928	49.35	10.82	60.17	54.00	6.17	peak			
6	11633.928	42.15	10.82	52.97	54.00	-1.03	AVG			



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Fax:+86-0755-26503396

Job No.: carry2014 #24

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014/11/07

Temp.(C)/Hum.(%) 23 C / 48 %

Time: 19:42:13

EUT: Wireless Audio Transmitter

Engineer Signature:

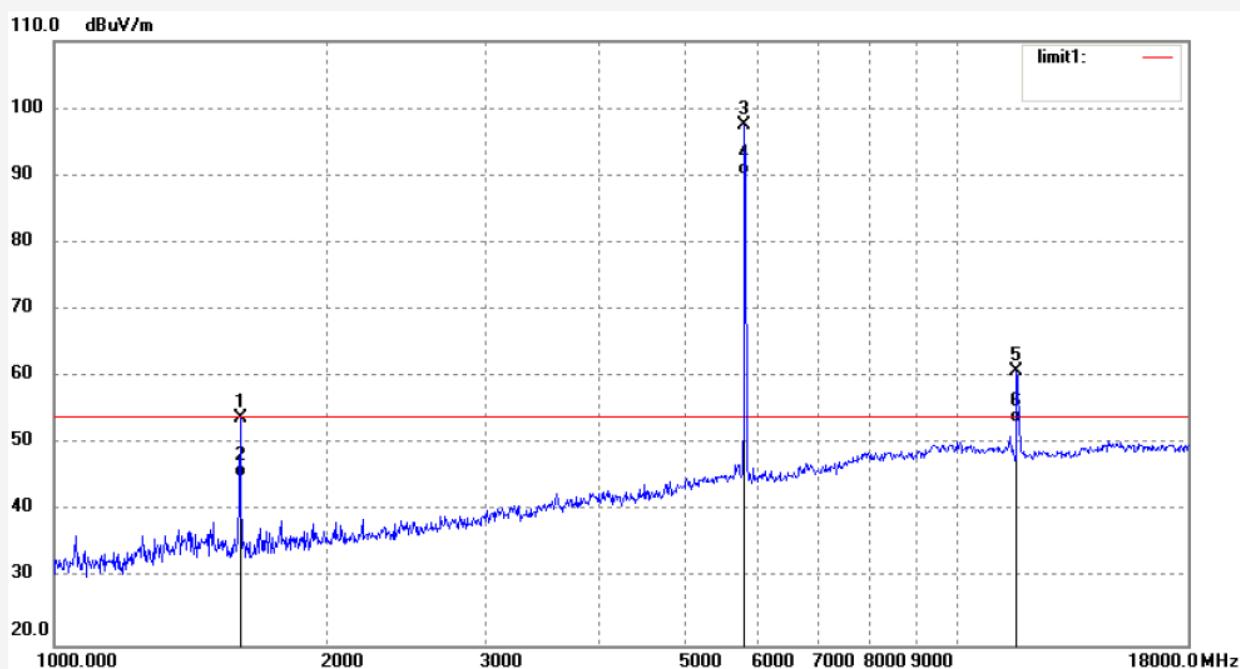
Mode: TX 5814MHz

Distance: 3m

Model: T2

Manufacturer: Questyle Audio Technology Co,Ltd

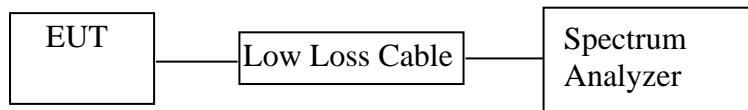
Note: Report NO.:ATE20142049



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1606.441	64.84	-11.04	53.80	74.00	-0.20	peak			
2	1606.441	56.18	-11.04	45.14	54.00	-8.86	AVG			
3	5813.811	95.46	1.97	97.43			peak			
4	5813.811	88.18	1.97	90.15			AVG			
5	11633.928	50.07	10.82	60.89	74.00	6.89	peak			
6	11633.928	42.33	10.82	53.15	54.00	-0.85	AVG			

10.BAND EDGE COMPLIANCE TEST

10.1.Block Diagram of Test Setup



(EUT: Wireless Audio Transmitter)

10.2.The Requirement For Section 15.247(d)

Section 15.247(d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

10.3.EUT Configuration on Measurement

The 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.

10.4.Operating Condition of EUT

10.4.1.Setup the EUT and simulator as shown as Section 11.1.

10.4.2.Turn on the power of all equipment.

10.4.3.Let the EUT work in TX modes measure it. The transmit frequency are 5736-5814MHz. We select 5736MHz, 5814MHz TX frequency to transmit.

10.5. Test Procedure

Conducted Band Edge:

10.5.1. The transmitter output was connected to the spectrum analyzer via a low loss cable.

10.5.2. Set RBW of spectrum analyzer to 1000kHz and VBW to 3000kHz.

Radiate Band Edge:

10.5.3. The EUT is placed on a turntable, which is 0.8m above the ground plane and worked at highest radiated power.

10.5.4. The turntable was rotated for 360 degrees to determine the position of maximum emission level.

10.5.5. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.

10.5.6. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:

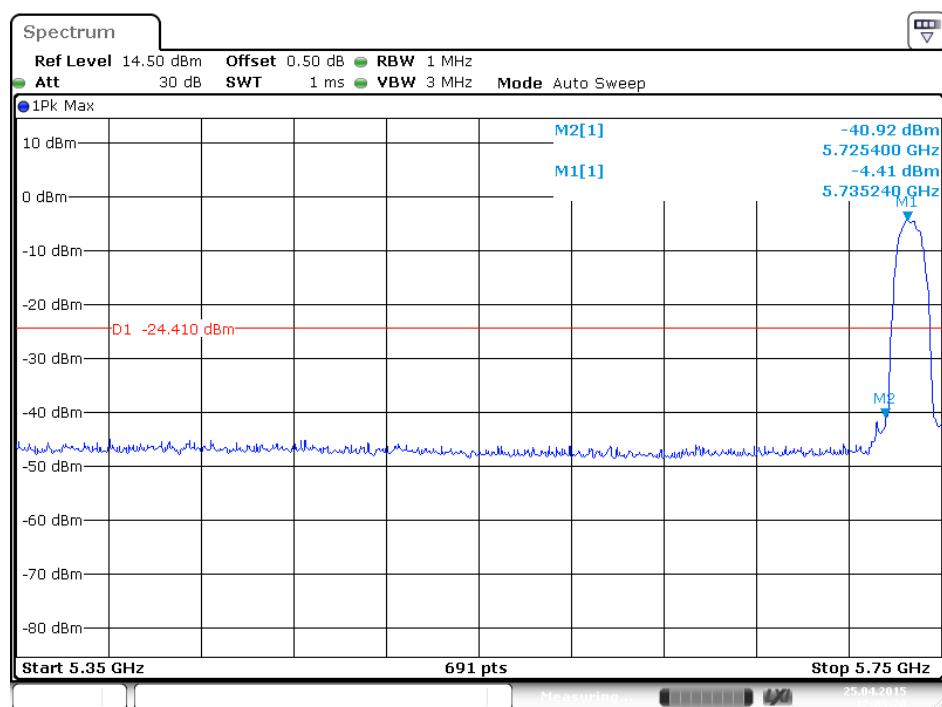
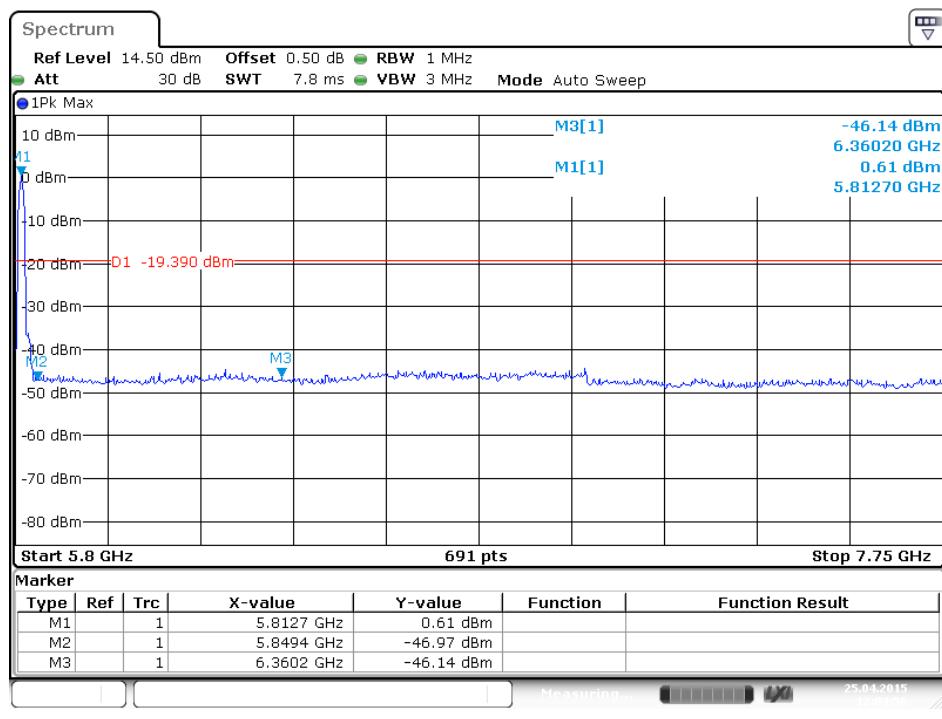
10.5.7. RBW=1MHz, VBW=3MHz

10.5.8. The band edges was measured and recorded.

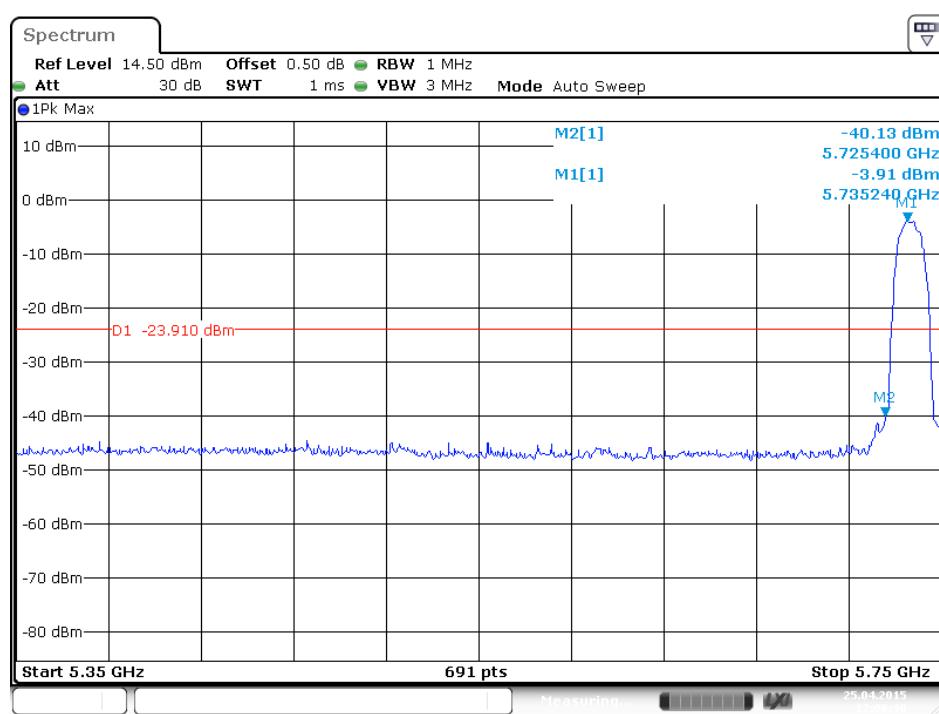
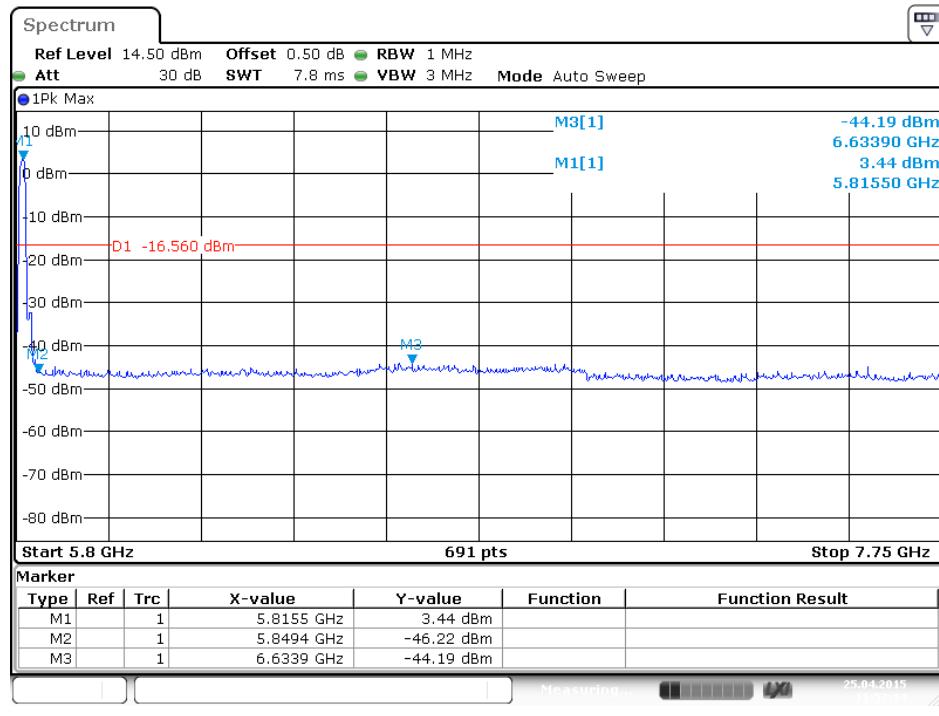
10.6. Test Result

PASS

Antenna A test plot



Antenna B test plot



Radiated Band Edge Result

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. we tested radiated band edge of Antenna A and Antenna B, The following test data is the worst case(Antenna B) data which I have recorded
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:

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



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.: CARRY #466

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014/11/07

Temp.(C)/Hum.(%) 23 C / 48 %

Time: 19:58:52

EUT: Wireless Audio Transmitter

Engineer Signature:

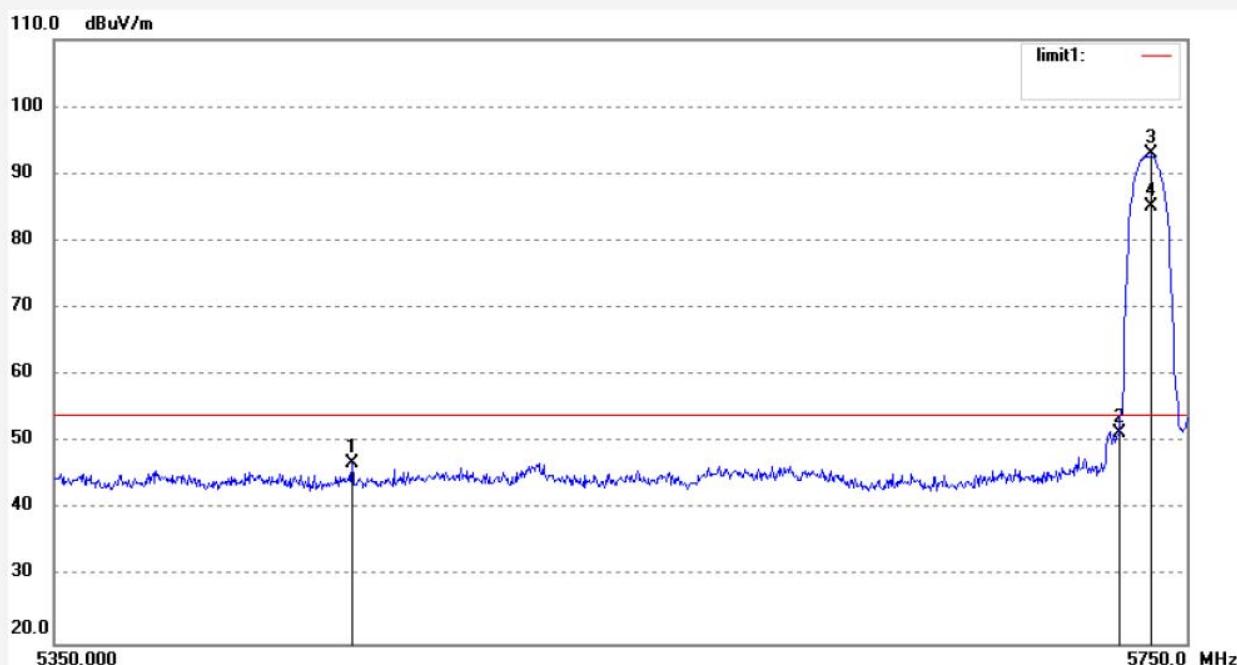
Mode: TX 5736MHz

Distance: 3m

Model: T2

Manufacturer:

Note: Report NO.:ATE20142049



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5452.800	45.85	0.94	46.79	74.00	27.21	peak			
2	5725.000	49.96	1.34	51.30	74.00	22.70	peak			
3	5736.200	91.58	1.44	93.02			peak			
4	5736.200	83.77	1.44	85.21			peak			

Note: Average measurement with peak detection at No.4

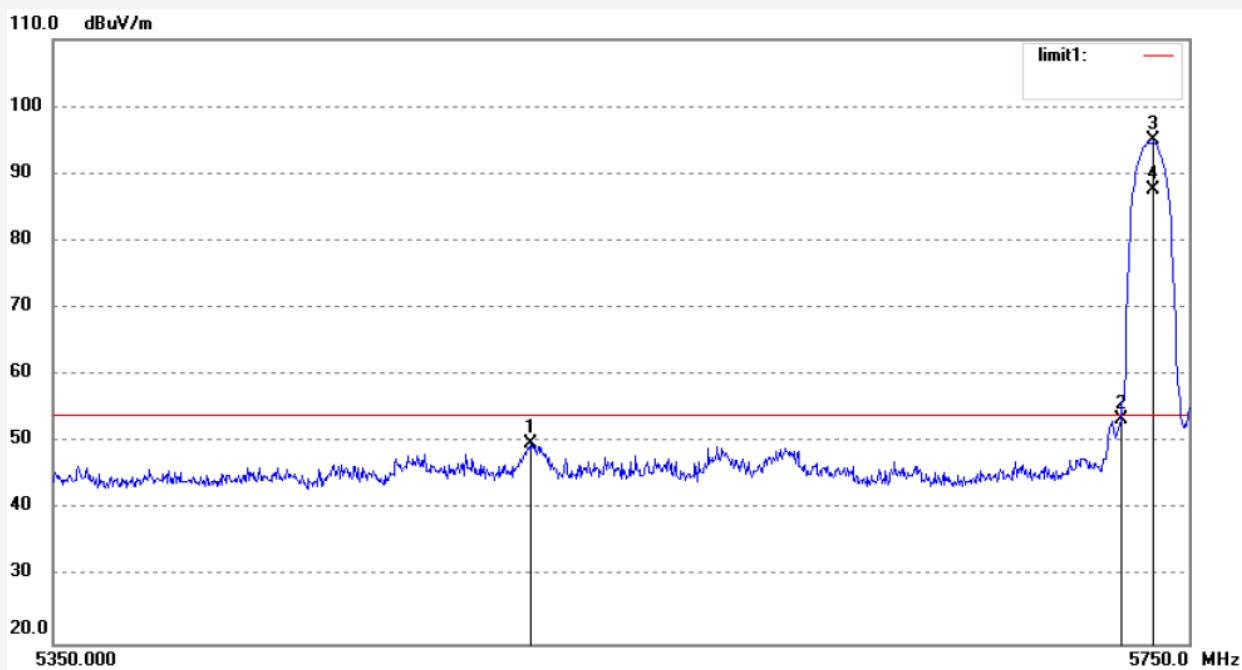


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Site: 1# Chamber
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Fax:+86-0755-26503396

Job No.: CARRY #465	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2014/11/07
Temp.(C)/Hum.(%) 23 C / 48 %	Time: 19:57:12
EUT: Wireless Audio Transmitter	Engineer Signature:
Mode: TX 5736MHz	Distance: 3m
Model: T2	
Manufacturer:	
Note: Report NO.:ATE20142049	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5514.800	48.66	1.23	49.89	74.00	24.11	peak			
2	5725.000	52.04	1.34	53.38	74.00	20.62	peak			
3	5736.200	93.60	1.44	95.04			peak			
4	5736.200	86.21	1.44	87.65			peak			

Note: Average measurement with peak detection at No.4



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

Job No.: CARRY #463

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014/11/07

Temp.(C)/Hum.(%) 23 C / 48 %

Time: 19:53:05

EUT: Wireless Audio Transmitter

Engineer Signature:

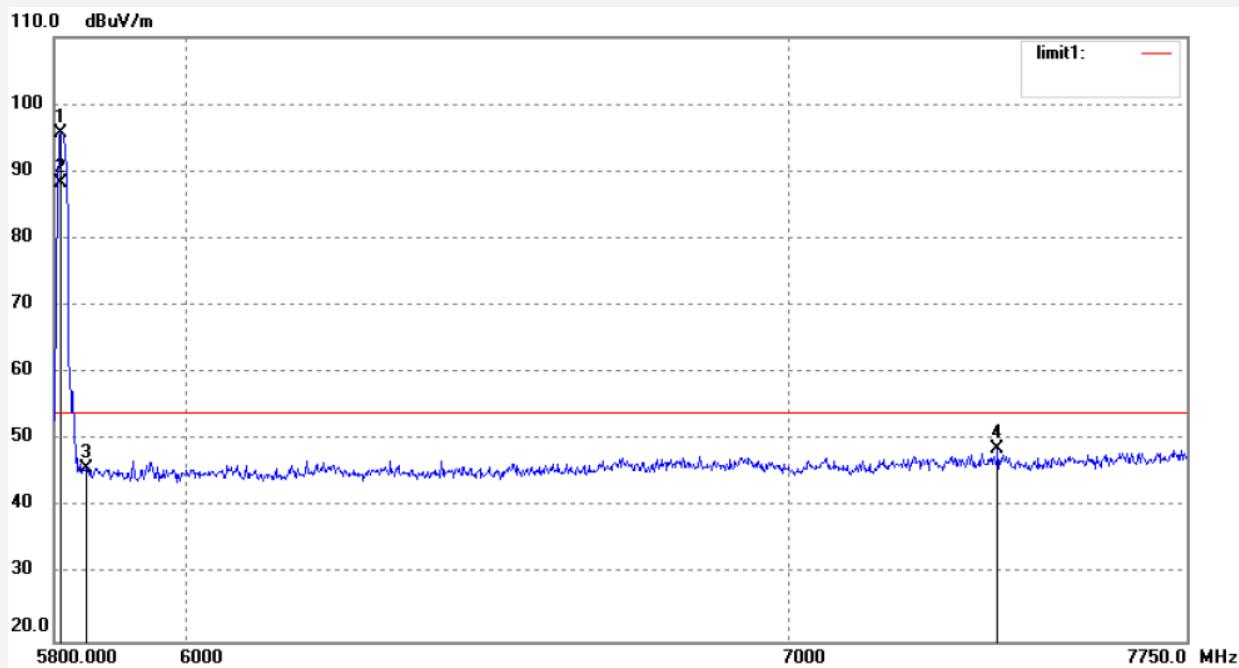
Mode: TX 5814MHz

Distance: 3m

Model: T2

Manufacturer:

Note: Report NO.:ATE20142049



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5813.700	93.66	1.97	95.63			peak			
2	5813.700	86.28	1.97	88.25			peak			
3	5850.000	43.77	1.96	45.73	74.00	28.27	peak			
4	7385.350	45.30	3.39	48.69	74.00	25.31	peak			

Note: Average measurement with peak detection at No.2



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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.: CARRY #464

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014/11/07

Temp.(C)/Hum.(%) 23 C / 48 %

Time: 19:54:15

EUT: Wireless Audio Transmitter

Engineer Signature:

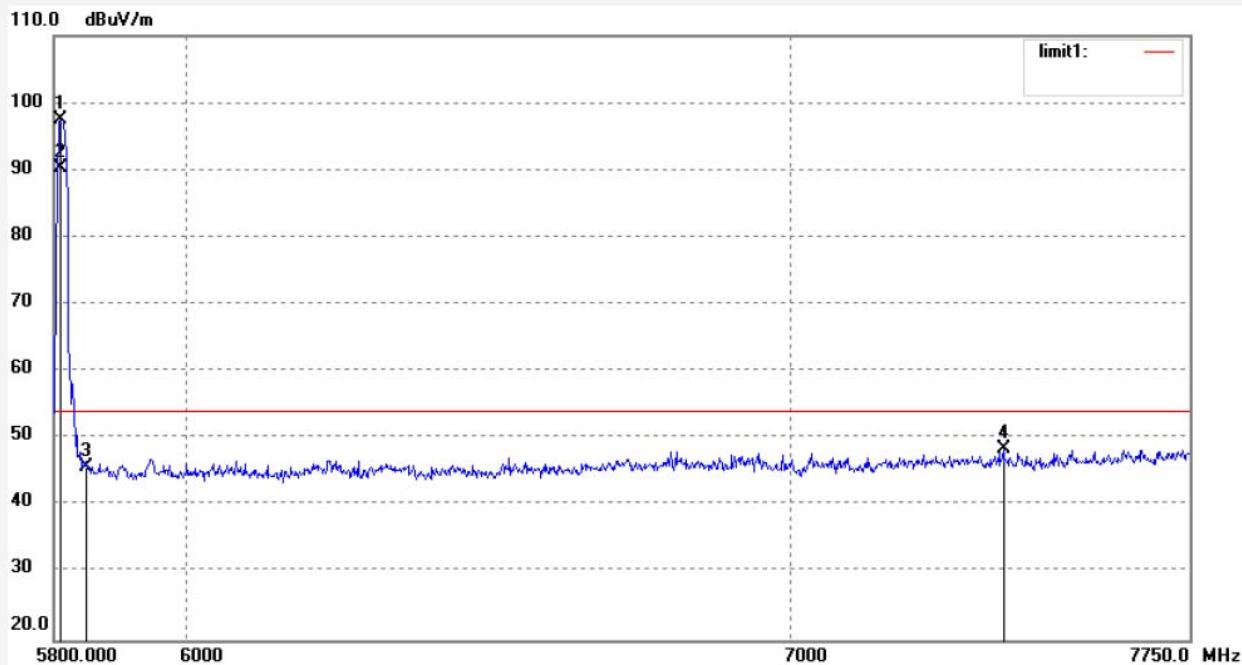
Mode: TX 5814MHz

Distance: 3m

Model: T2

Manufacturer:

Note: Report NO.:ATE20142049



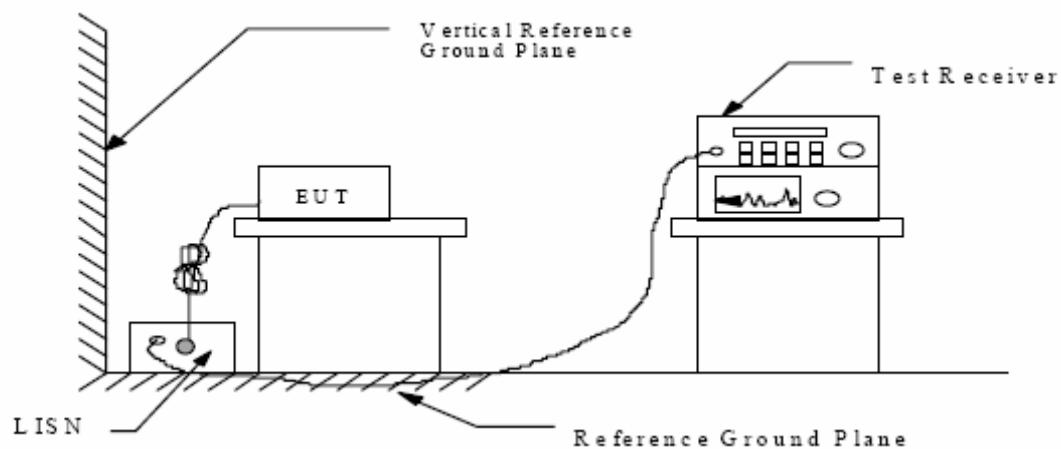
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5813.700	95.61	1.97	97.58			peak			
2	5813.700	88.26	1.97	90.23			peak			
3	5850.000	43.78	1.96	45.74	74.00	28.26	peak			
4	7391.200	45.07	3.40	48.47	74.00	25.53	peak			

Note: Average measurement with peak detection at No.2

11.AC POWER LINE CONDUCTED EMISSION FOR FCC PART 15 SECTION 15.207(A)

11.1.Block Diagram of Test Setup

11.1.1.Shielding Room Test Setup Diagram



11.2.The Emission Limit

11.2.1.Conducted Emission Measurement Limits According to Section 15.207(a)

Frequency (MHz)	Limit dB(μ V)	
	Quasi-peak Level	Average Level
0.15 - 0.50	66.0 – 56.0 *	56.0 – 46.0 *
0.50 - 5.00	56.0	46.0
5.00 - 30.00	60.0	50.0

* Decreases with the logarithm of the frequency.

11.3.Configuration of EUT on Measurement

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

11.4.Operating Condition of EUT

11.4.1.Setup the EUT and simulator as shown as Section 11.1.

11.4.2.Turn on the power of all equipment.

11.4.3.Let the EUT work in Test mode measure it.

11.5.Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.4- 2013 on Conducted Emission Measurement.

The bandwidth of test receiver (R & S ESCS30) is set at 9 kHz.

The frequency range from 150 kHz to 30MHz is checked.

11.6.Power Line Conducted Emission Measurement Results

PASS.

The frequency range from 150kHz to 30MHz is checked.

Test mode : 5.8G Operation																																								
<i>MEASUREMENT RESULT: "2049-3_fin"</i>																																								
10/28/2014 4:42PM																																								
<table><thead><tr><th>Frequency MHz</th><th>Level dBμV</th><th>Transd dB</th><th>Limit dBμV</th><th>Margin dB</th><th>Detector</th><th>Line</th><th>PE</th></tr></thead><tbody><tr><td>0.330000</td><td>40.10</td><td>10.6</td><td>60</td><td>19.4</td><td>QP</td><td>L1</td><td>GND</td></tr><tr><td>0.570000</td><td>27.10</td><td>10.7</td><td>56</td><td>28.9</td><td>QP</td><td>L1</td><td>GND</td></tr><tr><td>4.350000</td><td>26.90</td><td>11.1</td><td>56</td><td>29.1</td><td>QP</td><td>L1</td><td>GND</td></tr></tbody></table>									Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE	0.330000	40.10	10.6	60	19.4	QP	L1	GND	0.570000	27.10	10.7	56	28.9	QP	L1	GND	4.350000	26.90	11.1	56	29.1	QP	L1	GND
Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE																																	
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<i>MEASUREMENT RESULT: "2049-3_fin2"</i>																																								
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Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE																																	
0.325000	32.20	10.6	50	17.4	AV	L1	GND																																	
0.570000	16.00	10.7	46	30.0	AV	L1	GND																																	
4.350000	18.30	11.1	46	27.7	AV	L1	GND																																	
<i>MEASUREMENT RESULT: "2049-1_fin"</i>																																								
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Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE																																	
0.165000	36.30	10.5	65	28.9	QP	N	GND																																	
0.325000	42.90	10.6	60	16.7	QP	N	GND																																	
4.490000	28.70	11.1	56	27.3	QP	N	GND																																	
<i>MEASUREMENT RESULT: "2049-1_fin2"</i>																																								
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Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE																																	
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0.325000	35.00	10.6	50	14.6	AV	N	GND																																	
4.330000	20.80	11.1	46	25.2	AV	N	GND																																	

Emissions attenuated more than 20 dB below the permissible value are not reported.

The spectral diagrams are attached as below.

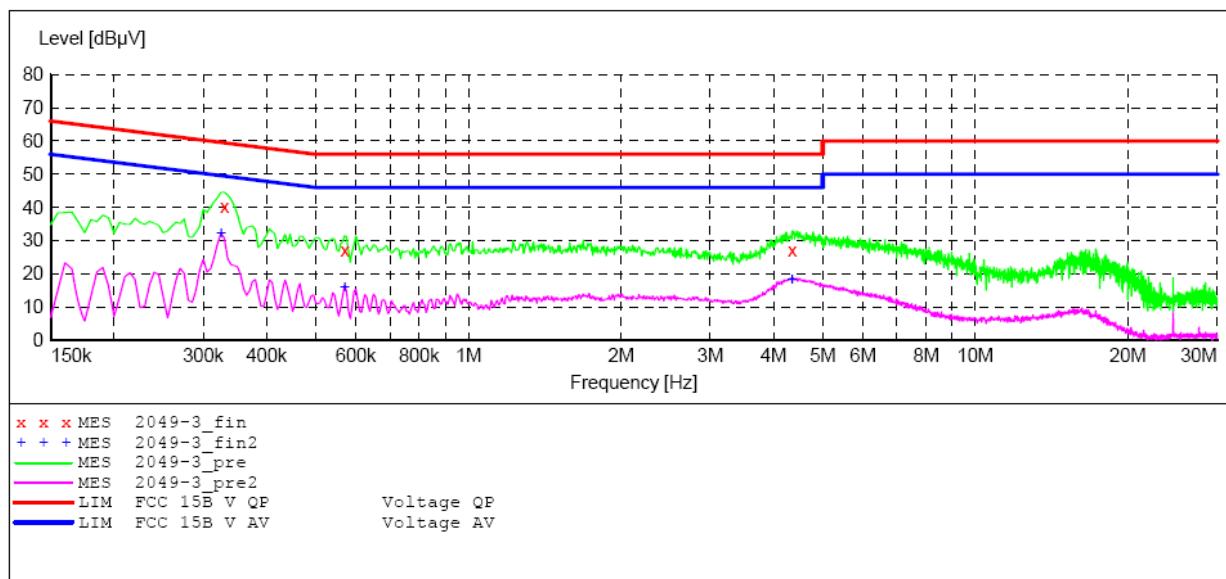
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART15B

EUT: Wireless Audio Transmitter M/N:T2
 Manufacturer: Questyle Audio Technology Co.Ltd
 Operating Condition: 5.8G OPERATION
 Test Site: 1#Shielding Room
 Operator: Carry
 Test Specification: L 120V/60Hz
 Comment: Report NO.:ATE20142049
 Start of Test: 10/28/2014 / 4:39:29PM

SCAN TABLE: "V 150K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average

**MEASUREMENT RESULT: "2049-3_fin"**

10/28/2014 4:42PM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.330000	40.10	10.6	60	19.4	QP	L1	GND
0.570000	27.10	10.7	56	28.9	QP	L1	GND
4.350000	26.90	11.1	56	29.1	QP	L1	GND

MEASUREMENT RESULT: "2049-3_fin2"

10/28/2014 4:42PM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.325000	32.20	10.6	50	17.4	AV	L1	GND
0.570000	16.00	10.7	46	30.0	AV	L1	GND
4.350000	18.30	11.1	46	27.7	AV	L1	GND

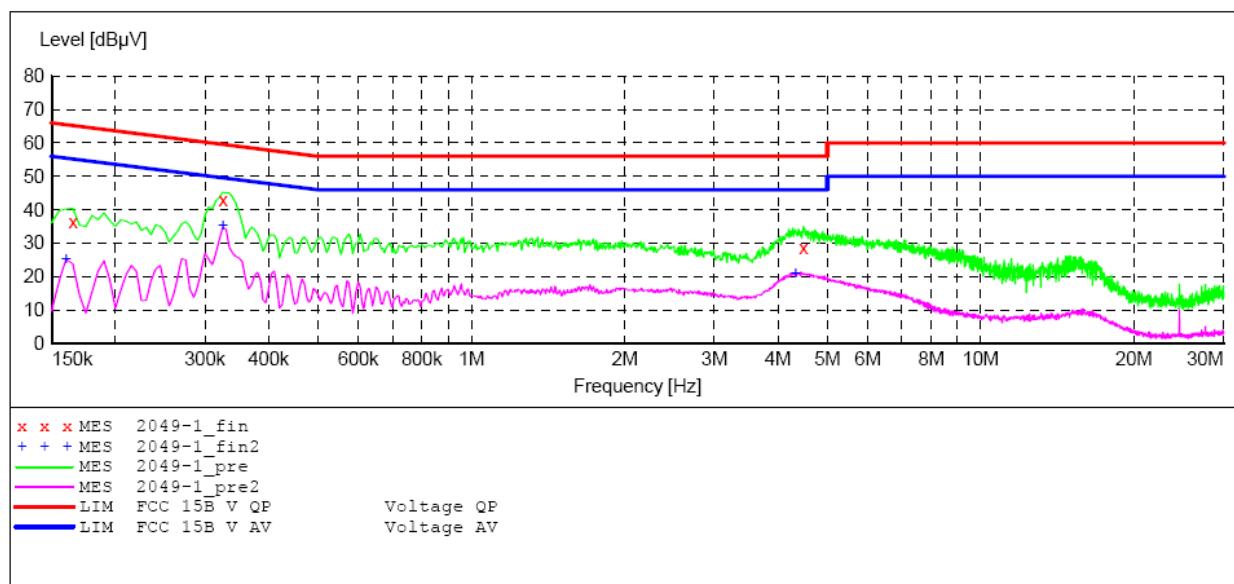
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART15B

EUT: Wireless Audio Transmitter M/N:T2
 Manufacturer: Questyle Audio Technology Co.Ltd
 Operating Condition: 5.8G OPERATION
 Test Site: 1#Shielding Room
 Operator: Carry
 Test Specification: N 120V/60Hz
 Comment: Report NO.:ATE20142049
 Start of Test: 10/28/2014 / 4:31:57PM

SCAN TABLE: "V 150K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average

**MEASUREMENT RESULT: "2049-1_fin"**

10/28/2014 4:35PM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.165000	36.30	10.5	65	28.9	QP	N	GND
0.325000	42.90	10.6	60	16.7	QP	N	GND
4.490000	28.70	11.1	56	27.3	QP	N	GND

MEASUREMENT RESULT: "2049-1_fin2"

10/28/2014 4:35PM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.160000	25.20	10.5	56	30.3	AV	N	GND
0.325000	35.00	10.6	50	14.6	AV	N	GND
4.330000	20.80	11.1	46	25.2	AV	N	GND

12. ANTENNA REQUIREMENT

12.1. 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.

12.2. Antenna Construction

Device is equipped with permanent attached antenna, which isn't displaced by other antenna. The Antenna gain of EUT is 3dBi. Therefore, the equipment complies with the antenna requirement of Section 15.203.

