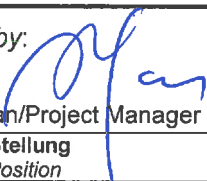
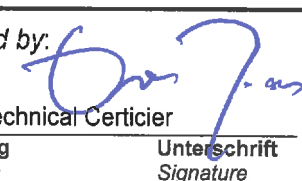


Prüfbericht-Nr.: Test Report No.:	50092404 001	Auftrags-Nr.: Order No.:	164095055	Seite 1 von 63 Page 1 of 63
Kunden-Referenz-Nr.: Client Reference No.:	N/A	Auftragsdatum: Order date:	13.05.2017	
Auftraggeber: Client:	Edifier International Limited, Room 2207-9, Tower Two, Lippo Centre 89 Queensway, Hong Kong			
Prüfgegenstand: Test item:	5.8G Wireless Audio Transceiver/Receiver Module			
Bezeichnung / Typ-Nr.: Identification / Type No.:	EV01S			
Auftrags-Inhalt: Order content:	FCC / IC Certification			
Prüfgrundlage: Test specification:	CFR47 FCC Part 15: Subpart C Section 15.249 RSS-210 Issue 9 August 2016 FCC KDB Publication 447498 D01 v06	CFR47 FCC Part 15: Subpart C Section 15.209 RSS-Gen Issue 4 November 2014 RSS-102 Issue 5 March 2015		
Wareneingangsdatum: Date of receipt:	13.05.2017			
Prüfmuster-Nr.: Test sample No.:	1701108, 1701109			
Prüfzeitraum: Testing period:	18.06.2017 - 10.07.2017			
Ort der Prüfung: Place of testing:	Accurate Technology Co., Ltd.			
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: Test result*:	Pass			
geprüft von / tested by:			kontrolliert von / reviewed by:	
11.07.2017 Andy Yan/Project Manager			11.07.2017 Owen Tian/Technical Certifier	
Datum Date	Name / Stellung Name / Position	Unterschrift Signature	Datum Date	Name / Stellung Name / Position
Sonstiges / Other: FCC ID: Z9G-EDF54 IC: 10004A-EDF54				
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:		Prüfmuster vollständig und unbeschädigt Test item complete and undamaged		
* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested				
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				

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TEST SUMMARY

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 20dB BANDWIDTH AND 99% BANDWIDTH

RESULT: Pass

5.1.3 FUNDAMENTAL & HARMONICS RADIATED EMISSION

RESULT: Pass

5.1.4 RADIATED EMISSIONS OUTSIDE OF THE BAND

RESULT: Pass

6.1.1 ELECTROMAGNETIC FIELDS

RESULT: Pass

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1. General Remarks

1.1 Complementary Materials

None.

2. Test Sites

2.1 Test Facilities

Accurate Technology Co., Ltd.

(FCC Registration No.: 752051)

(Test site Industry Canada No.: 5077A-2)

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

The tests at the test site have been conducted under the supervision of a TÜV engineer.

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Kind of Equipment	Manufacturer	Type	S/N	Calibrated until
Transmitter spurious emissions				
Spectrum Analyzer	Rohde & Schwarz	FSV40	101495	2018-01-06
Test Receiver	Rohde & Schwarz	ESCS30	100307	2018-01-06
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	2018-01-09
Loop Antenna	Schwarzbeck	FMZB1516	1516131	2018-01-09
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	2018-01-09
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	2018-01-09
RF Switching Unit+PreAMP	Compliance Direction	RSU-M2	38322	2018-01-06
Pre-Amplifier	Rohde&Schwarz	CBLU11835 40-01	3791	2018-01-06
50 Coaxial Switch	Anritsu Corp	MP59B	6200506474	2018-01-06
RF Coaxial Cable	SUHNER	N-3m	No.8	2018-01-06
RF Coaxial Cable	RESENBERGER	N-3.5m	No.9	2018-01-06
RF Coaxial Cable	SUHNER	N-6m	No.10	2018-01-06
RF Coaxial Cable	RESENBERGER	N-12m	No.11	2018-01-06
RF Coaxial Cable	RESENBERGER	N-0.5m	No.12	2018-01-06
Radio Spectrum Test				
Spectrum Analyzer	Rohde & Schwarz	FSV40	101495	2018-01-06
Vector Signal Generator	Rohde & Schwarz	SMBV100A	260434	2018-01-06
Signal Generator	Rohde & Schwarz	SMB100A	108362	2018-01-06
Open Switch and Control Unit	Rohde & Schwarz	OSP120 + OSP-B157	101244 + 100866	2018-01-06

2.3 Traceability

All measurement equipment calibrations are traceable to NIST or where calibration is performed outside the United States, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

2.5 Measurement Uncertainty

Table 2: Measurement Uncertainty

Parameter	Uncertainty
Radio Spectrum	$< \pm 0.60 \text{ dB}$
Radiated emission of transmitter, valid up to 26.5 GHz	$< \pm 4.42 \text{ dB}$
Conducted Emission	$< \pm 2.23 \text{ dB}$
Radiated Emission	$< \pm 4.42 \text{ dB}$

2.6 Location of Original Data

The original copies of all test data taken during actual testing were retained in the TÜV Rheinland (Shenzhen) file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

Accurate Technology Co., Ltd. test facility located at F1, Bldg. A, Changyuan New Material Port Keyuan Rd., Science & Industry Park, Nanshan, Shenzhen, P.R. China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3. General Product Information

3.1 Product Function and Intended Use

The EUT is a 5.8GHz wireless transceiver module.
For details refer to the User Manual and Circuit Diagram.

3.2 Ratings and System Details

Table 3: Technical Specification of EUT

Technical Specification	Value
Kind of Equipment	5.8G Wireless Audio Transceiver/Receiver Module
Type Designation	EV01S
FCC ID	Z9G-EDF54
IC	10004A-EDF54
Operating Frequency Band	5725MHz ~ 5875MHz
Number of Channel	25
Channel Frequency	5731, 5733, 5737, 5739, 5743, 5747, 5751, 5753, 5757, 5761, 5767, 5771, 5773, 5777, 5781, 5787, 5791, 5793, 5797, 5801, 5807, 5811, 5813, 5817, 5820MHz
Extreme Temperature Range	0~+40°C
Operation Voltage	DC 3.3V
Modulation	FSK
Antenna Gain	1.57dBi

3.3 Independent Operation Modes

The basic operation modes are:

- A. On
 - 1. Transmitting
 - 2. Receiving
- B. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

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3.5 Submitted Documents

- Bill of Material
- PCB Layout
- Photo Document
- Circuit Diagram
- Instruction Manual
- Rating Label

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

The equipment under test (EUT) was configured to measure its maximum power level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All testing were performed according to the procedures in ANSI C63.10: 2013.

4.3 Special Accessories and Auxiliary Equipment

None.

4.4 Countermeasures to achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Constructional Data Form or the Technical Construction File. No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test for below 1GHz

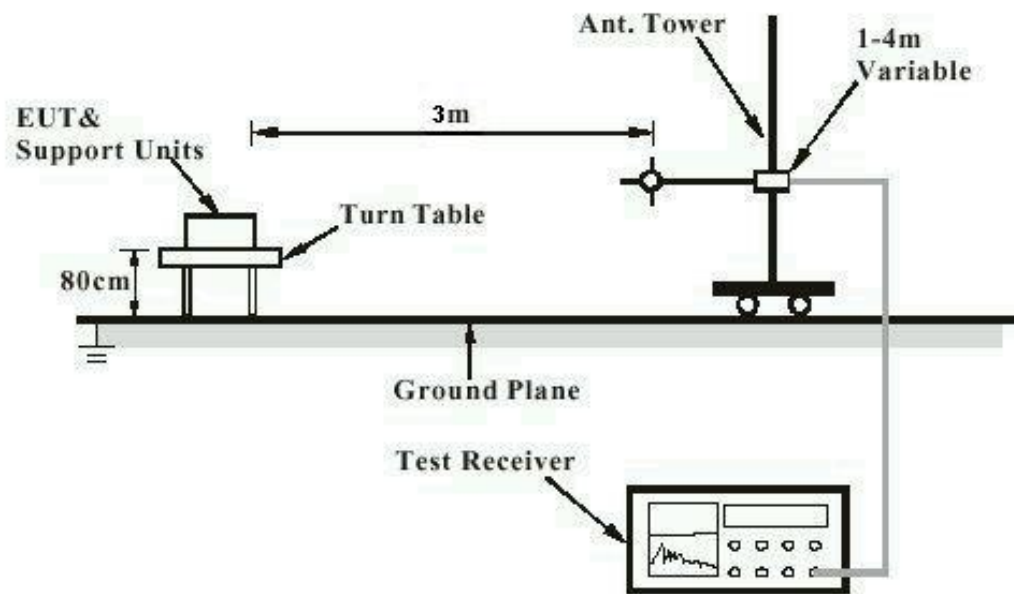
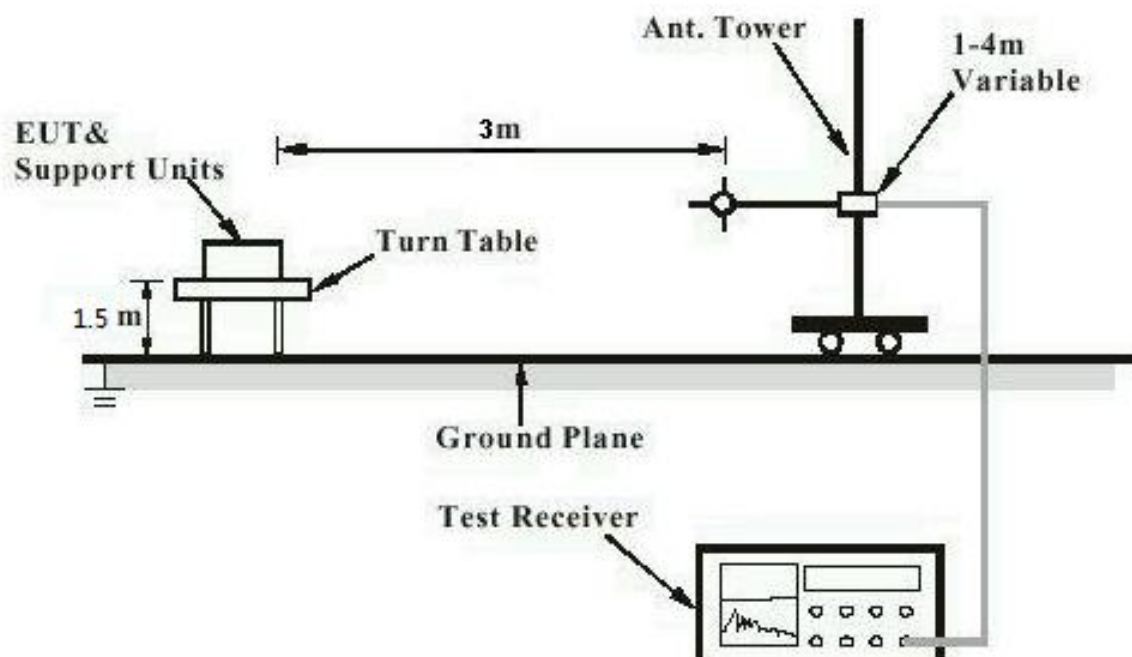


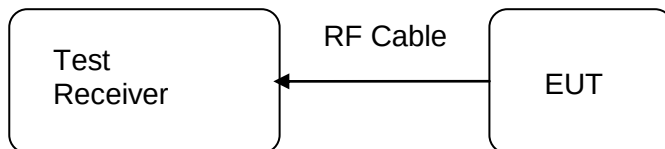
Diagram of Measurement Configuration for Radiation Test for above 1GHz



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Diagram of Measurement Equipment Configuration for Transmitter Measurement



5. Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT:**Pass**

Test standard	:	Part 15.203 RSS-Gen 8.3
Limit	:	the use of antennas with directional gains that do not exceed 6dBi

According to the manufacturer declared, the EUT has an internal antenna, the directional gain of antenna is 1.57dBi, therefore the EUT is considered sufficient to comply with the provision.

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5.1.2 20dB Bandwidth and 99% Bandwidth**RESULT:****Pass**

Date of testing : 2017-06-20
Test standard : FCC Part 15.215 (c)
RSS-Gen clause 6.6
Basic standard : ANSI C63.10: 2013
Kind of test site : Shielded room

Test setup

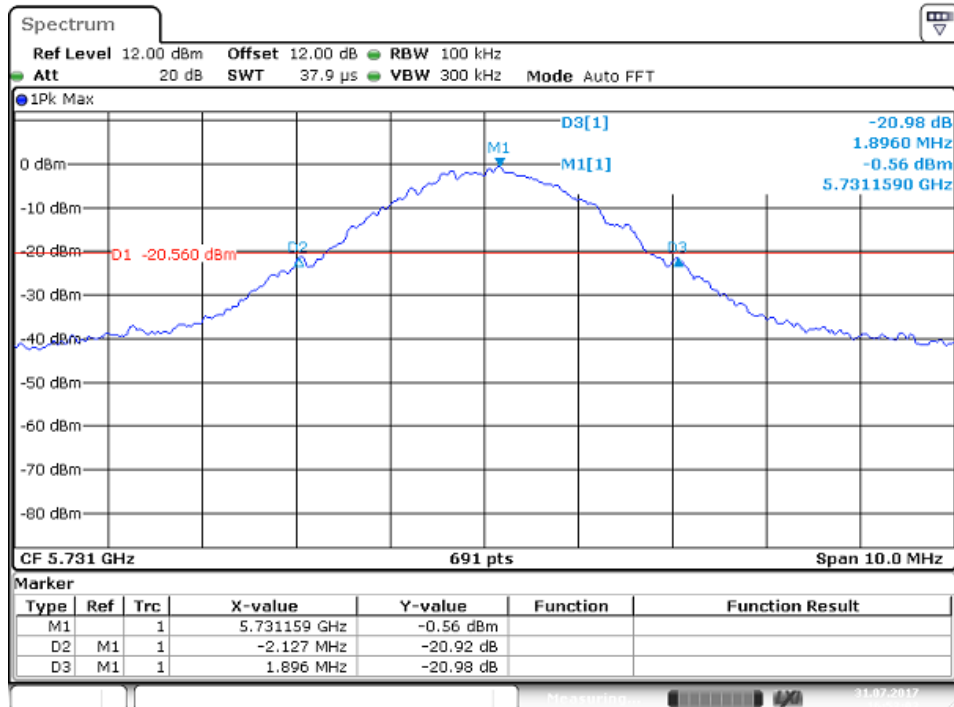
Test Channel : Low/ Middle/ High
Operation Mode : A.1
Ambient temperature : 21°C
Relative humidity : 60%
Atmospheric pressure : 101kPa

Table 4: Test result of 20dB & 99% Bandwidth

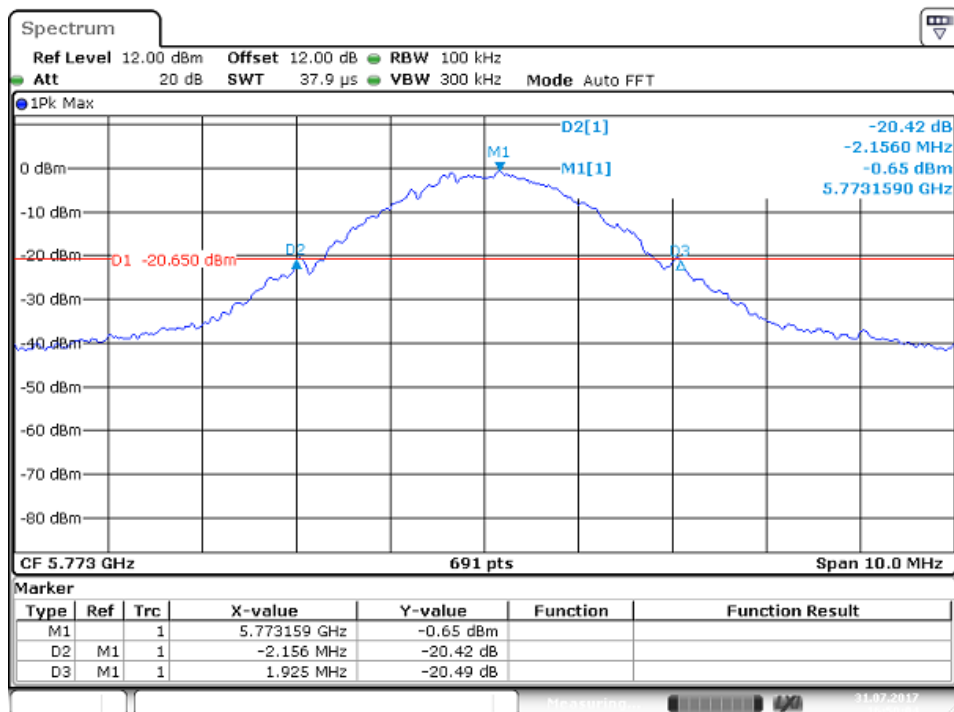
Channel	Channel Frequency (MHz)	20dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low Channel	5731	4.023	3.198
Mid Channel	5773	4.081	3.242
High Channel	5820	4.067	3.271

For details refer to following test plot.

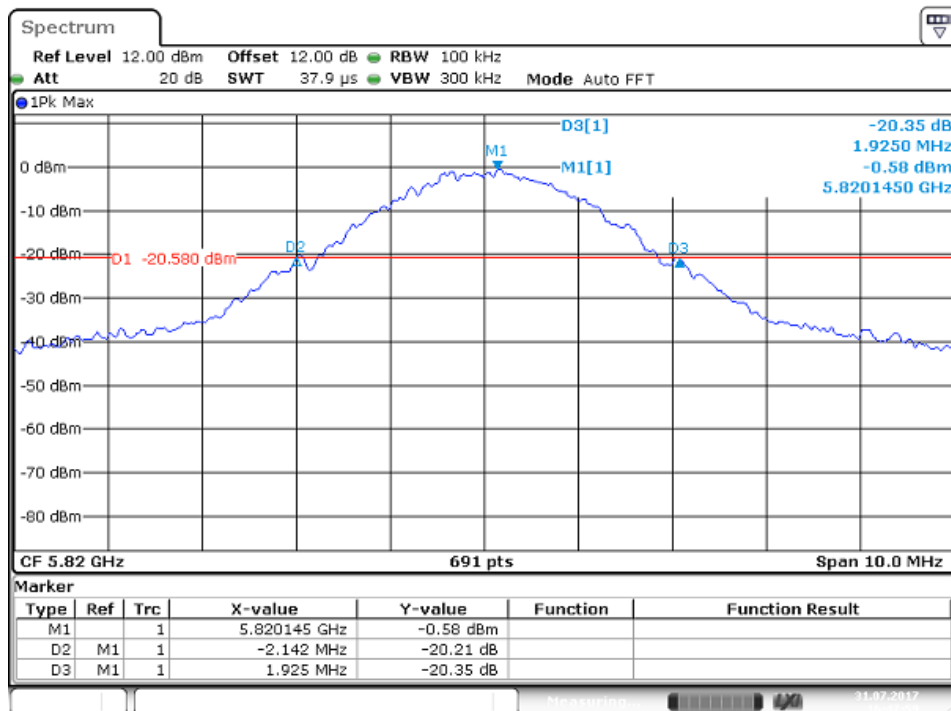
Test Plot of 20dB Bandwidth



Date: 20.JUN.2017 16:53:03

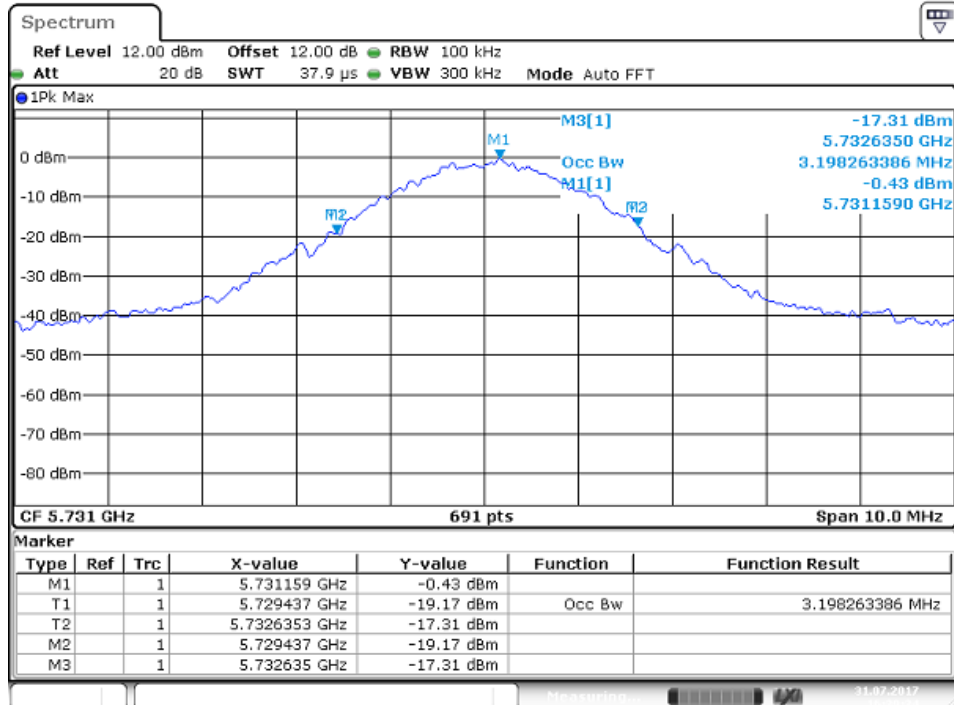


Date: 20.JUN.2017 16:50:04

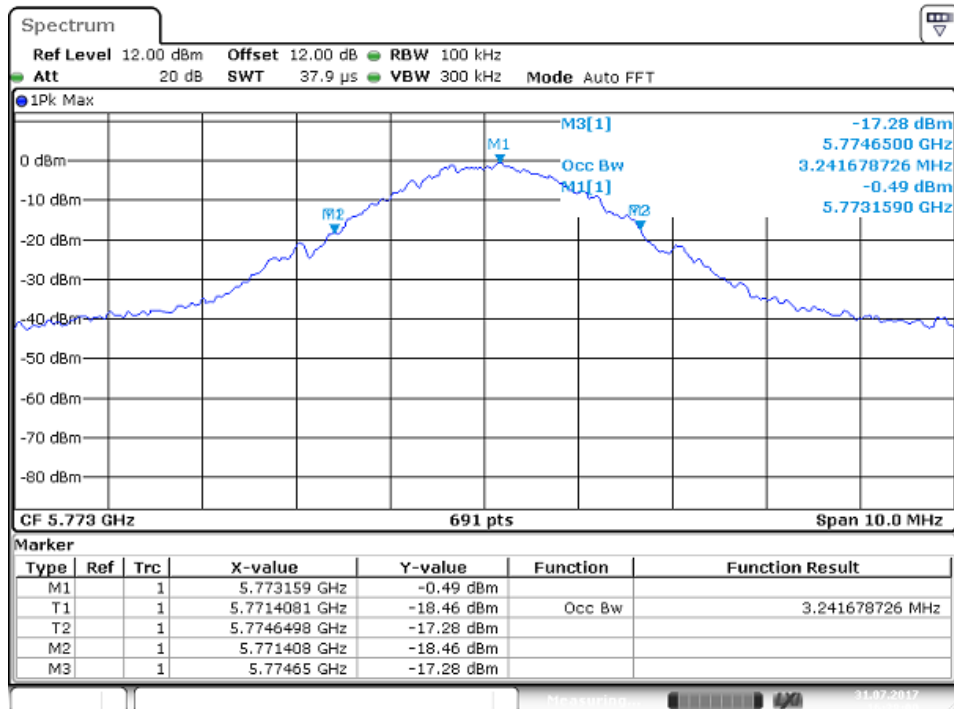


Date: 20.JUN.2017 16:47:59

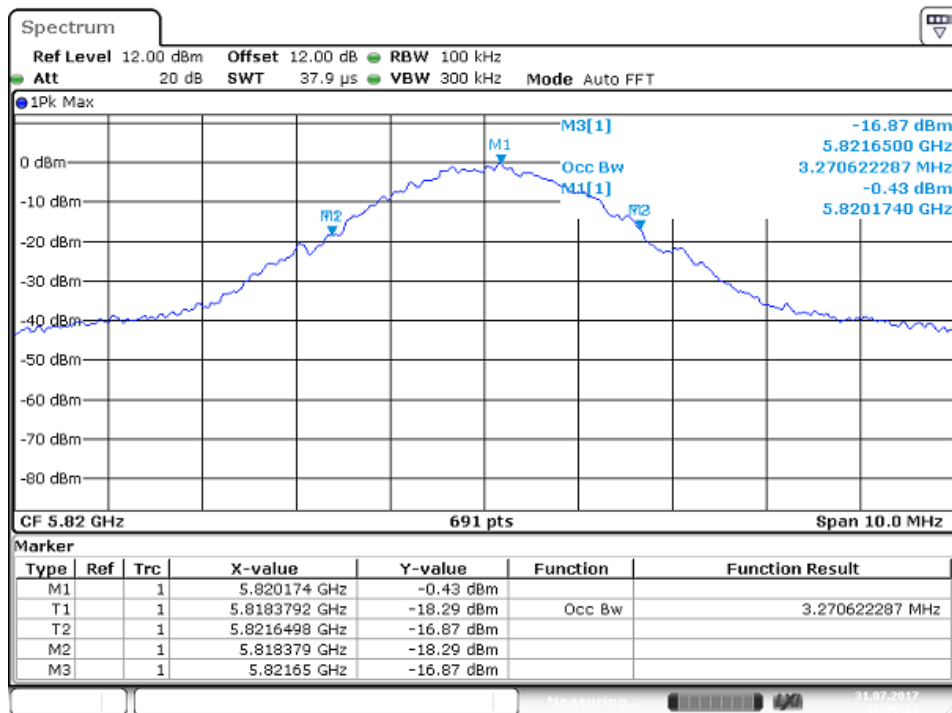
Test Plot of 99% Bandwidth



Date: 20.JUN.2017 16:39:34



Date: 20.JUN.2017 16:38:00



Date: 20.JUN.2017 16:36:21

5.1.3 Fundamental & Harmonics Radiated Emission

RESULT:

Pass

Date of testing	:	2017-06-18
Test standard	:	FCC part 15.249(a)
		RSS-210 Clause B.10(a)
Basic standard	:	ANSI C63.10: 2013
Limits	:	FCC part 15.249(a)
Kind of test site	:	3m Semi-Anechoic Chamber & Anechoic Chamber

Test setup

Test channel	:	Low/ Middle/ High
Operation mode	:	A.1
Ambient temperature	:	23°C
Relative humidity	:	48%
Atmospheric pressure	:	101kPa

Table 5: Polarization of the measurement for the larger power level channel 5731MHz: Vertical

Test conditions		Fundamental Frequency		Harmonic Frequency	
		5731MHz		--	
T _{nom} (25°C)	Unit	(dBμV/m)	(mV/m)	(dBμV/m)	(μV/m)
	Horizontal	89.03	28.281	--	--
	Vertical	89.95	31.441	--	--
Limit		94	50	54	500

The final measurement for frequencies below 1000MHz is performed with Quasi Peak detector; the final measurement for frequencies above 1000MHz is performed with Average detector.

The worst case was shown in above Table 5.

Disturbance other than those mentioned are small or not detectable.

For details refer to following test plot.


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Site: 2# Chamber

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Fax:+86-0755-26503396

Job No.: LGW2017 #2752

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 5.8G Wireless Audio Transceiver/Receiver Module

Mode: TX 5731MHz

Model: EV01S

Manufacturer: Edifier

Polarization: Horizontal

Power Source: DC 3.3V

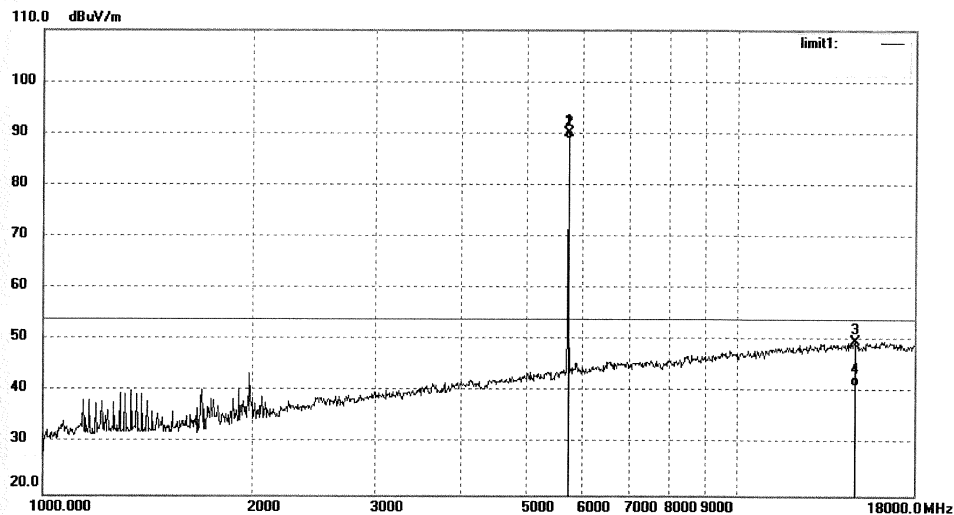
Date: 2017/06/18

Time:

Engineer Signature: WADE

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5731.000	82.45	7.68	90.13	114.00	-23.87	peak			
2	5731.000	81.35	7.68	89.03	94.00	-4.97	AVG			
3	14788.154	-9.97	59.70	49.73	74.00	-24.27	peak			
4	14788.154	-18.46	59.70	41.24	54.00	-12.76	AVG			


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Job No.: LGW2017 #2753

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 5.8G Wireless Audio Transceiver/Receiver Module

Mode: TX 5731MHz

Model: EV01S

Manufacturer: Edifier

Polarization: Vertical

Power Source: DC 3.3V

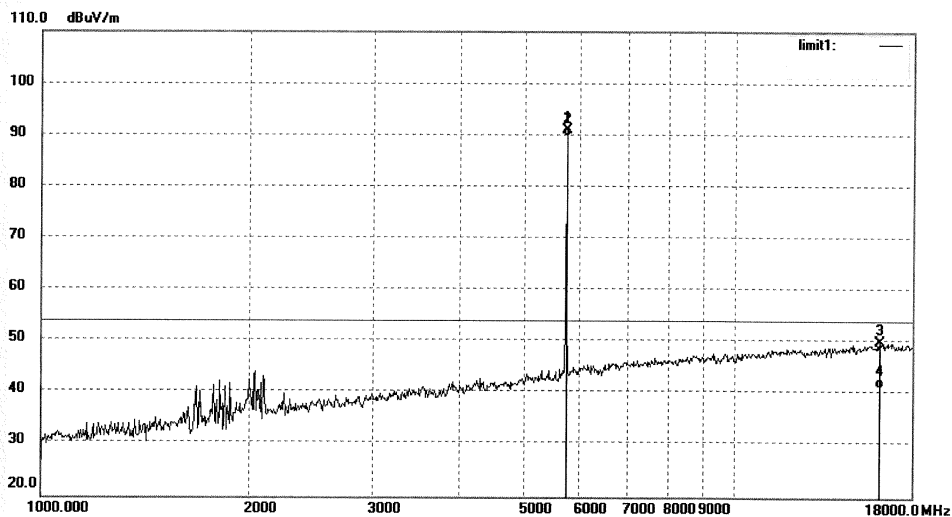
Date: 2017/06/18

Time:

Engineer Signature: WADE

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5731.000	83.37	7.68	91.05	114.00	-22.95	peak			
2	5731.000	82.27	7.68	89.95	94.00	-4.05	AVG			
3	16174.372	-8.80	58.84	50.04	74.00	-23.96	peak			
4	16174.372	-17.49	58.84	41.35	54.00	-12.65	AVG			


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Job No.: LGW2017 #2756

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 5.8G Wireless Audio Transceiver/Receiver Module

Mode: TX 5773MHz

Model: EV01S

Manufacturer: Edifier

Polarization: Horizontal

Power Source: DC 3.3V

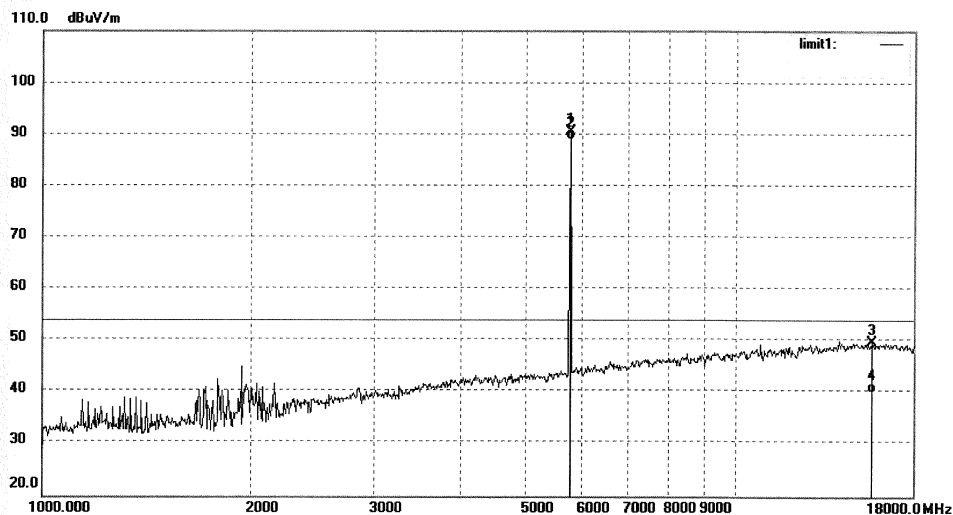
Date: 2017/06/18

Time:

Engineer Signature: WADE

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5773.000	82.62	7.94	90.56	114.00	-23.44	peak			
2	5773.000	81.12	7.94	89.06	94.00	-4.94	AVG			
3	15713.564	-8.72	58.43	49.71	74.00	-24.29	peak			
4	15713.564	-18.21	58.43	40.22	54.00	-13.78	AVG			


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Job No.: LGW2017 #2757

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 5.8G Wireless Audio Transceiver/Receiver Module

Mode: TX 5773MHz

Model: EV01S

Manufacturer: Edifier

Polarization: Vertical

Power Source: DC 3.3V

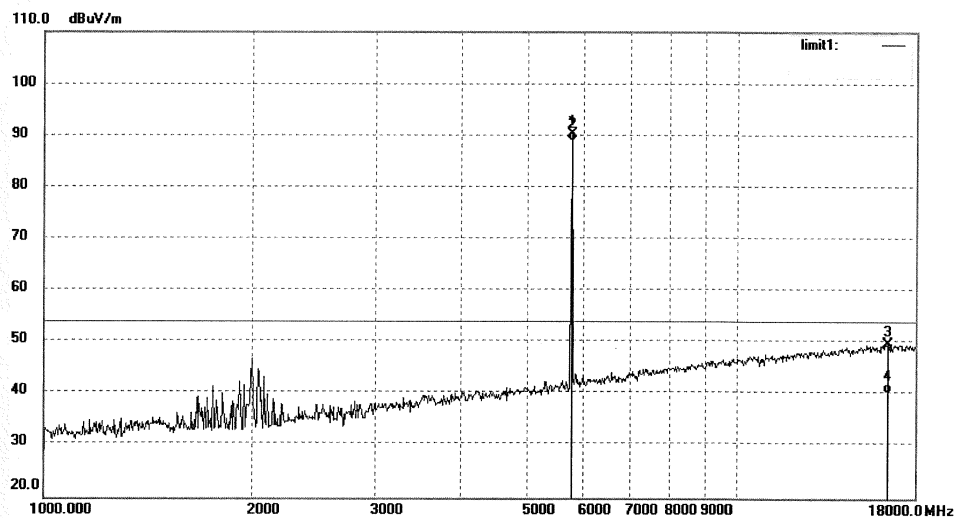
Date: 2017/06/18

Time:

Engineer Signature: WADE

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5773.000	82.45	7.94	90.39	114.00	-23.61	peak			
2	5773.000	80.95	7.94	88.89	94.00	-5.11	AVG			
3	16457.318	-9.44	59.24	49.80	74.00	-24.20	peak			
4	16457.318	-18.93	59.24	40.31	54.00	-13.69	AVG			


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Job No.: LGW2017 #2759

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 5.8G Wireless Audio Transceiver/Receiver Module

Mode: TX 5820MHz

Model: EV01S

Manufacturer: Edifier

Polarization: Horizontal

Power Source: DC 3.3V

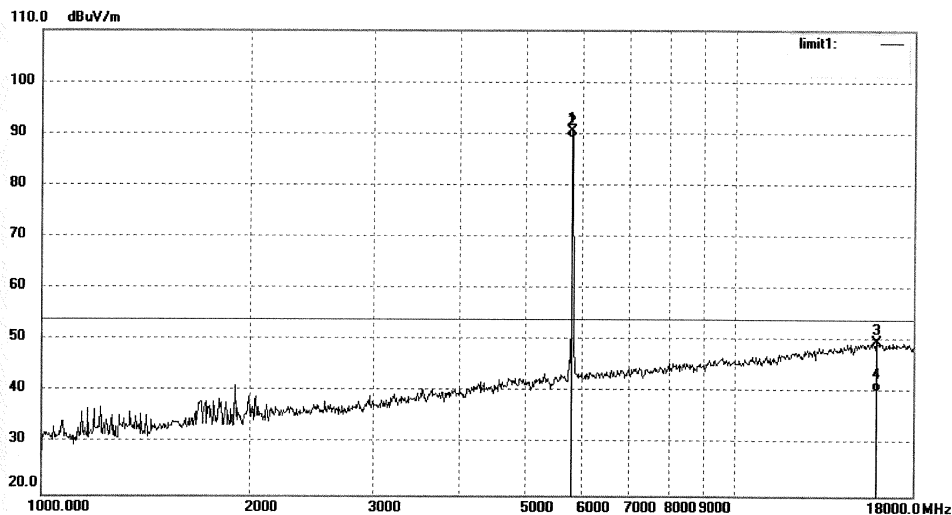
Date: 2017/06/18

Time:

Engineer Signature: WADE

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5820.000	82.40	8.16	90.56	114.00	-23.44	peak			
2	5820.000	81.10	8.16	89.26	94.00	-4.74	AVG			
3	15942.303	-8.64	58.56	49.92	74.00	-24.08	peak			
4	15942.303	-18.18	58.56	40.38	54.00	-13.62	AVG			


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Site: 2# Chamber

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Fax:+86-0755-26503396

Job No.: LGW2017 #2758

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 5.8G Wireless Audio Transceiver/Receiver Module

Mode: TX 5820MHz

Model: EV01S

Manufacturer: Edifier

Polarization: Vertical

Power Source: DC 3.3V

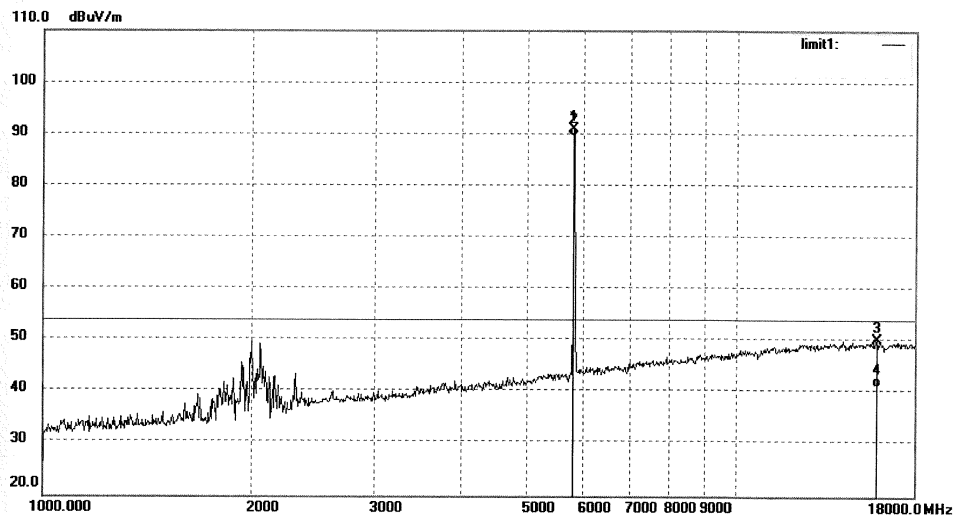
Date: 2017/06/18

Time:

Engineer Signature: WADE

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5820.000	82.74	8.16	90.90	114.00	-23.10	peak			
2	5820.000	81.44	8.16	89.60	94.00	-4.40	AVG			
3	15896.290	-8.34	58.54	50.20	74.00	-23.80	peak			
4	15896.290	-17.30	58.54	41.24	54.00	-12.76	AVG			

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5.1.4 Radiated emissions outside of the band**RESULT:****Pass**

Date of testing	:	2017-06-18 to 2017-07-10
Test standard	:	FCC Part 15.209(a) FCC Part 15.249(d) RSS-210 Clause B.10(b)
Basic standard	:	ANSI C63.10: 2013
Frequency range	:	0.009 – 40000MHz
Limits	:	FCC Part 15.209(a) FCC Part 15.249(d)
Kind of test site	:	3m Semi-Anechoic Chamber & Anechoic Chamber

Test Setup

Test channel	:	Low/ Middle/ High
Operation mode	:	A.1
Ambient temperature	:	23°C
Relative humidity	:	48%
Atmospheric pressure	:	101kPa

For details refer to following test plot.

Test Plot of Radiated emissions outside band

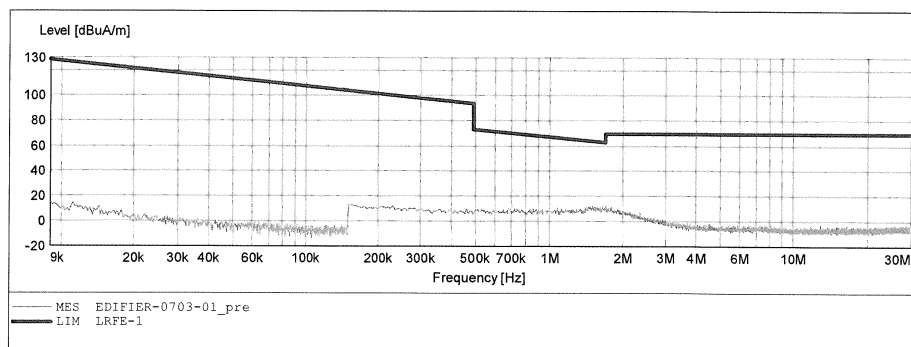
ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3M Radiated

EUT: 5.8G Wireless Audio Transceiver/Receiver Module M/N:EV01S
 Manufacturer: EDIFIER
 Operating Condition: TX 5731MHz
 Test Site: 2# Chamber
 Operator: WADE
 Test Specification: DC 3.3V
 Comment: X
 Start of Test: 2017-7-3 /

SCAN TABLE: "LFRE Fin"

Short Description:			SUB_STD_VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



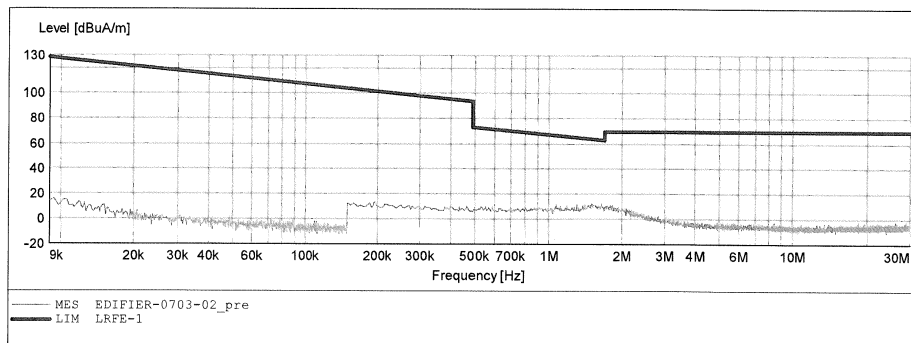
ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3M Radiated

EUT: 5.8G Wireless Audio Transceiver/Receiver Module M/N:EV01S
 Manufacturer: EDIFIER
 Operating Condition: TX 5731MHz
 Test Site: 2# Chamber
 Operator: WADE
 Test Specification: DC 3.3V
 Comment: Y
 Start of Test: 2017-7-3 /

SCAN TABLE: "LFRE Fin"

Short Description:			_SUB_STD_VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
Frequency 9.0 kHz	Frequency 150.0 kHz	Width 100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



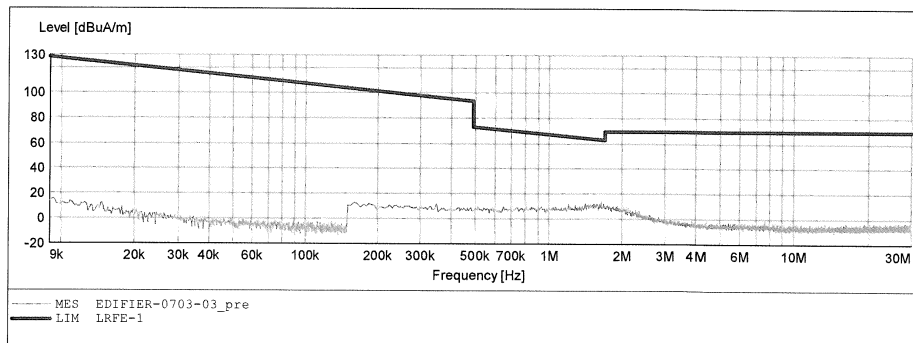
ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3M Radiated

EUT: 5.8G Wireless Audio Transceiver/Receiver Module M/N:EV01S
 Manufacturer: EDIFIER
 Operating Condition: TX 5731MHz
 Test Site: 2# Chamber
 Operator: WADE
 Test Specification: DC 3.3V
 Comment: Z
 Start of Test: 2017-7-3 /

SCAN TABLE: "LFRE Fin"

Short Description:			_SUB_STD_VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M

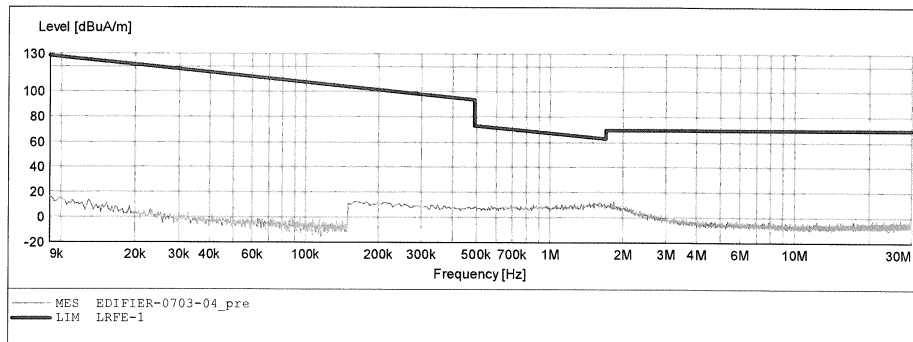


ACCURATE TECHNOLOGY CO.,LTD
FCC Class B 3M Radiated

EUT: 5.8G Wireless Audio Transceiver/Receiver Module M/N:EV01S
 Manufacturer: EDIFIER
 Operating Condition: TX 5773MHz
 Test Site: 2# Chamber
 Operator: WADE
 Test Specification: DC 3.3V
 Comment: X
 Start of Test: 2017-7-3 /

SCAN TABLE: "LFRE Fin"

Short Description:			_SUB_STD_VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



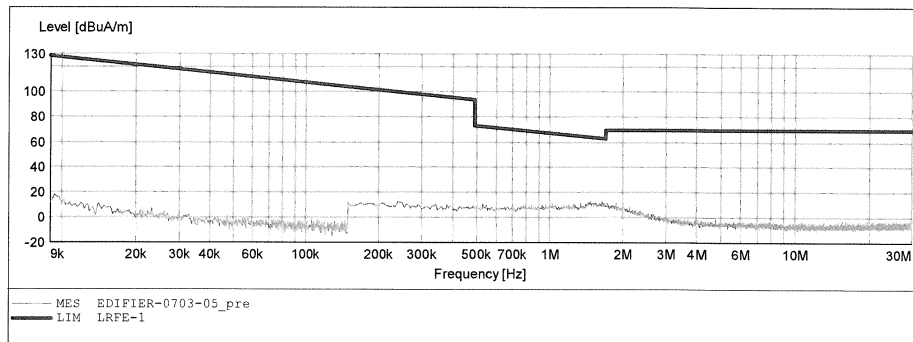
ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3M Radiated

EUT: 5.8G Wireless Audio Transceiver/Receiver Module M/N:EV01S
 Manufacturer: EDIFIER
 Operating Condition: TX 5773MHz
 Test Site: 2# Chamber
 Operator: WADE
 Test Specification: DC 3.3V
 Comment: Y
 Start of Test: 2017-7-3 /

SCAN TABLE: "LFRE Fin"

Short Description:			_SUB STD_VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M

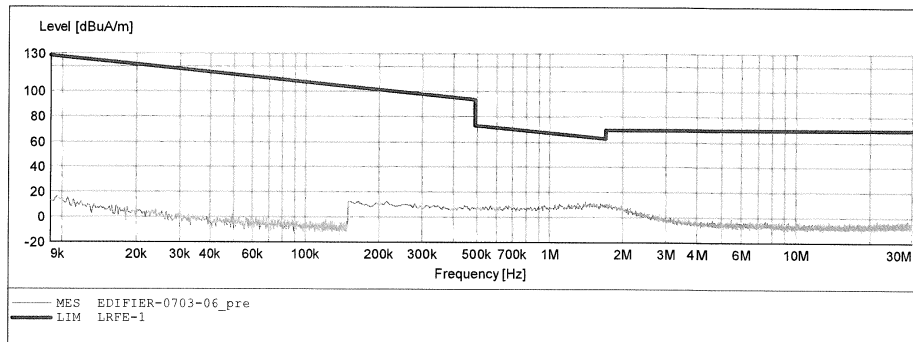


ACCURATE TECHNOLOGY CO.,LTD
FCC Class B 3M Radiated

EUT: 5.8G Wireless Audio Transceiver/Receiver Module M/N:EV01S
 Manufacturer: EDIFIER
 Operating Condition: TX 5773MHz
 Test Site: 2# Chamber
 Operator: WADE
 Test Specification: DC 3.3V
 Comment: Z
 Start of Test: 2017-7-3 /

SCAN TABLE: "LFRE Fin"

Short Description:			_SUB_STD_VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
Frequency 9.0 kHz	Frequency 150.0 kHz	Width 100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



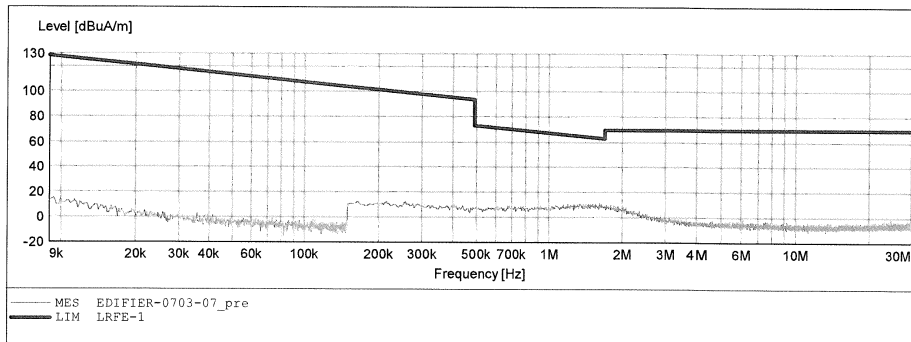
ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3M Radiated

EUT: 5.8G Wireless Audio Transceiver/Receiver Module M/N:EV01S
 Manufacturer: EDIFIER
 Operating Condition: TX 5820MHz
 Test Site: 2# Chamber
 Operator: WADE
 Test Specification: DC 3.3V
 Comment: X
 Start of Test: 2017-7-3 /

SCAN TABLE: "LFRE Fin"

Short Description:			_SUB STD_VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M

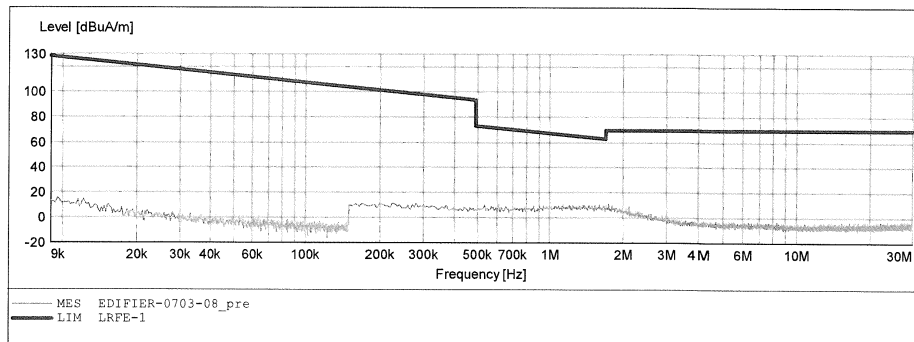


ACCURATE TECHNOLOGY CO.,LTD
FCC Class B 3M Radiated

EUT: 5.8G Wireless Audio Transceiver/Receiver Module M/N:EV01S
 Manufacturer: EDIFIER
 Operating Condition: TX 5820MHz
 Test Site: 2# Chamber
 Operator: WADE
 Test Specification: DC 3.3V
 Comment: Y
 Start of Test: 2017-7-3 /

SCAN TABLE: "LFRE Fin"

Short Description:			SUB STD VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M

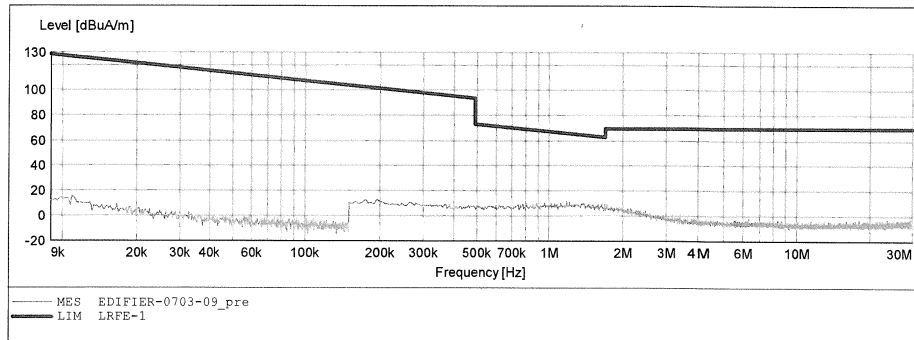


ACCURATE TECHNOLOGY CO.,LTD
FCC Class B 3M Radiated

EUT: 5.8G Wireless Audio Transceiver/Receiver Module M/N:EV01S
 Manufacturer: EDIFIER
 Operating Condition: TX 5820MHz
 Test Site: 2# Chamber
 Operator: WADE
 Test Specification: DC 3.3V
 Comment: Z
 Start of Test: 2017-7-3 /

SCAN TABLE: "LFRE Fin"

Short Description:			SUB STD VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M




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Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGW2017 #2804

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 5.8G Wireless Audio Transceiver/Receiver Module

Mode: TX 5731MHz

Model: EV01S

Manufacturer: Edifier

Polarization: Horizontal

Power Source: DC 3.3V

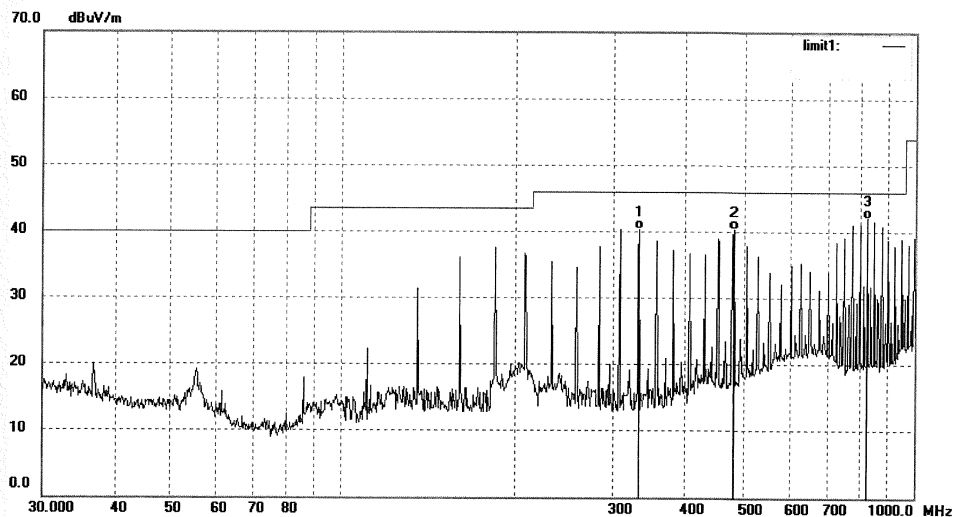
Date: 2017/06/18

Time:

Engineer Signature: WADE

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	332.5187	48.33	-7.99	40.34	46.00	-5.66	QP			
2	480.5276	45.27	-4.88	40.39	46.00	-5.61	QP			
3	824.5968	40.80	1.24	42.04	46.00	-3.96	QP			


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Job No.: LGW2017 #2805

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 5.8G Wireless Audio Transceiver/Receiver Module

Mode: TX 5731MHz

Model: EV01S

Manufacturer: Edifier

Polarization: Vertical

Power Source: DC 3.3V

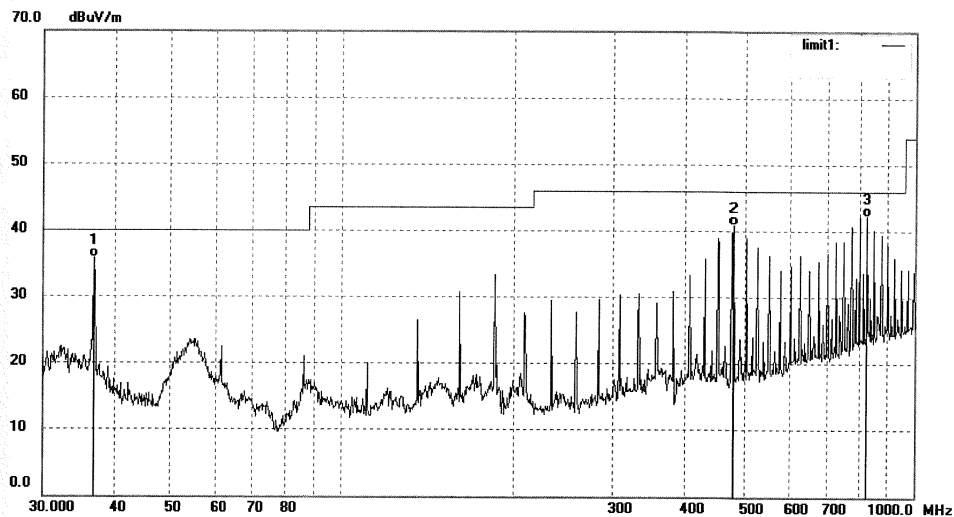
Date: 2017/06/18

Time:

Engineer Signature: WADE

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	36.7661	46.53	-10.80	35.73	40.00	-4.27	QP			
2	480.5276	45.69	-4.88	40.81	46.00	-5.19	QP			
3	824.5968	41.09	1.24	42.33	46.00	-3.67	QP			


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Fax:+86-0755-26503396

Job No.: LGW2017 #2807

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 5.8G Wireless Audio Transceiver/Receiver Module

Mode: TX 5773MHz

Model: EV01S

Manufacturer: Edifier

Polarization: Horizontal

Power Source: DC 3.3V

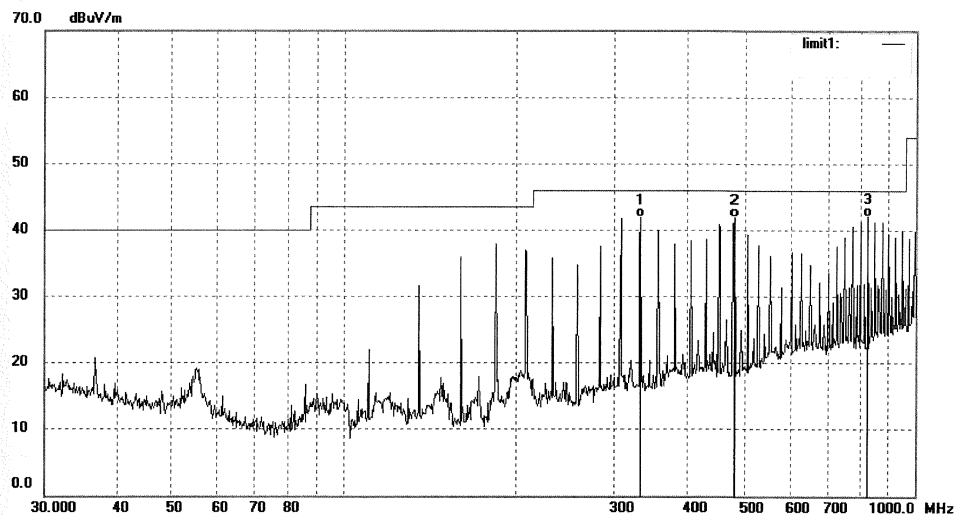
Date: 2017/06/18

Time:

Engineer Signature: WADE

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	332.5187	49.82	-7.99	41.83	46.00	-4.17	QP			
2	480.5276	46.83	-4.88	41.95	46.00	-4.05	QP			
3	824.5968	40.79	1.24	42.03	46.00	-3.97	QP			


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Fax:+86-0755-26503396

Job No.: LGW2017 #2806

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 5.8G Wireless Audio Transceiver/Receiver Module

Mode: TX 5773MHz

Model: EV01S

Manufacturer: Edifier

Polarization: Vertical

Power Source: DC 3.3V

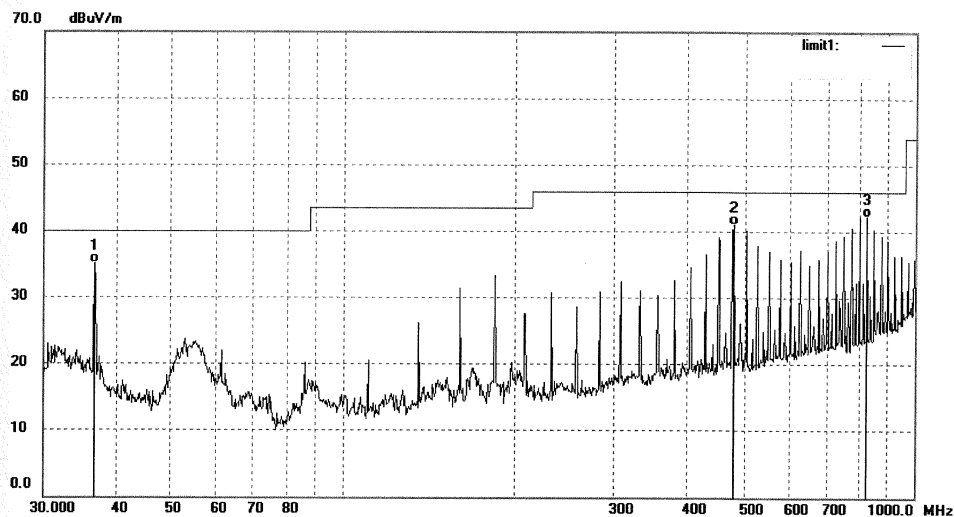
Date: 2017/06/18

Time:

Engineer Signature: WADE

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	36.7661	45.97	-10.80	35.17	40.00	-4.83	QP			
2	480.5276	45.94	-4.88	41.06	46.00	-4.94	QP			
3	824.5968	41.05	1.24	42.29	46.00	-3.71	QP			


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Fax:+86-0755-26503396

Job No.: LGW2017 #2808

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 5.8G Wireless Audio Transceiver/Receiver Module

Mode: TX 5820MHz

Model: EV01S

Manufacturer: Edifier

Polarization: Horizontal

Power Source: DC 3.3V

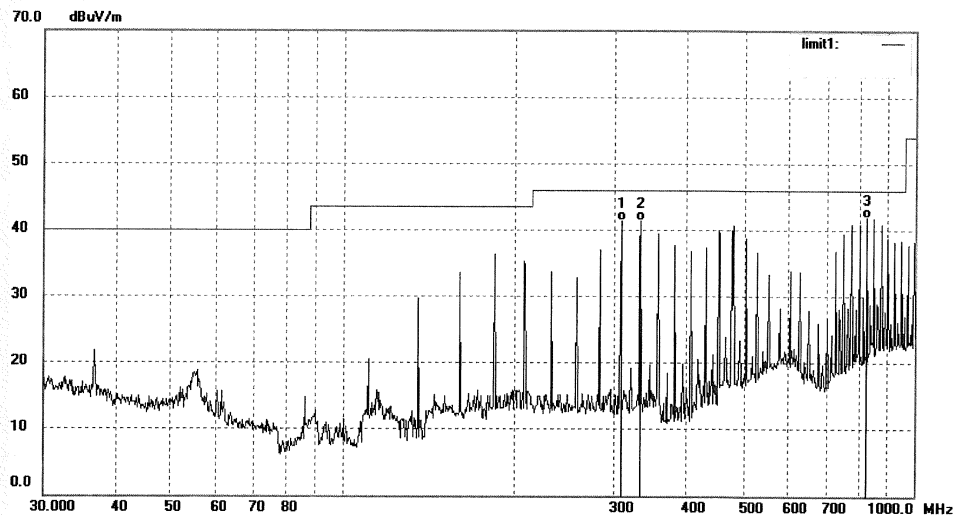
Date: 2017/06/18

Time:

Engineer Signature: WADE

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	307.8312	50.18	-8.80	41.38	46.00	-4.62	QP			
2	332.5187	49.38	-7.99	41.39	46.00	-4.61	QP			
3	824.5968	40.69	1.24	41.93	46.00	-4.07	QP			


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Fax:+86-0755-26503396

Job No.: LGW2017 #2809

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 5.8G Wireless Audio Transceiver/Receiver Module

Mode: TX 5820MHz

Model: EV01S

Manufacturer: Edifier

Polarization: Vertical

Power Source: DC 3.3V

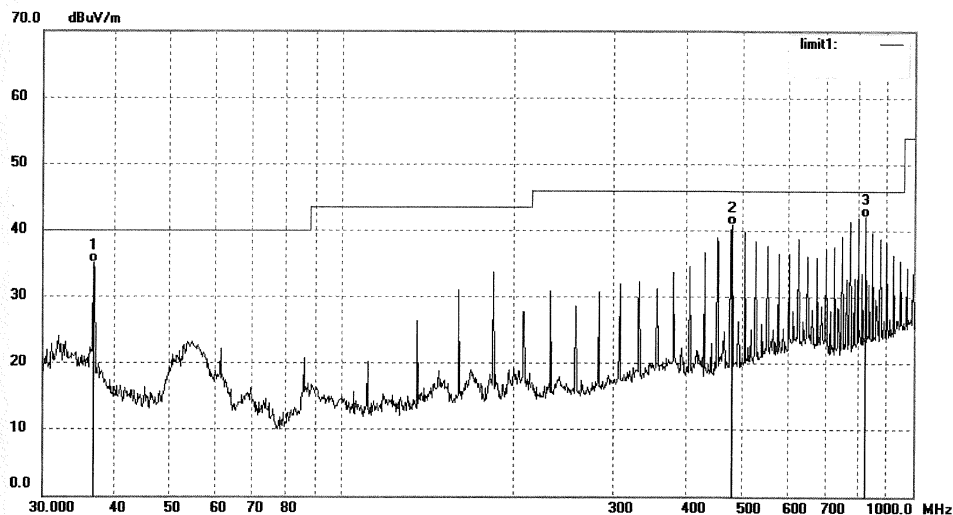
Date: 2017/06/18

Time:

Engineer Signature: WADE

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	36.7661	45.96	-10.80	35.16	40.00	-4.84	QP			
2	480.5276	45.80	-4.88	40.92	46.00	-5.08	QP			
3	824.5968	40.80	1.24	42.04	46.00	-3.96	QP			


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Job No.: LGW2017 #2752

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 5.8G Wireless Audio Transceiver/Receiver Module

Mode: TX 5731MHz

Model: EV01S

Manufacturer: Edifier

Polarization: Horizontal

Power Source: DC 3.3V

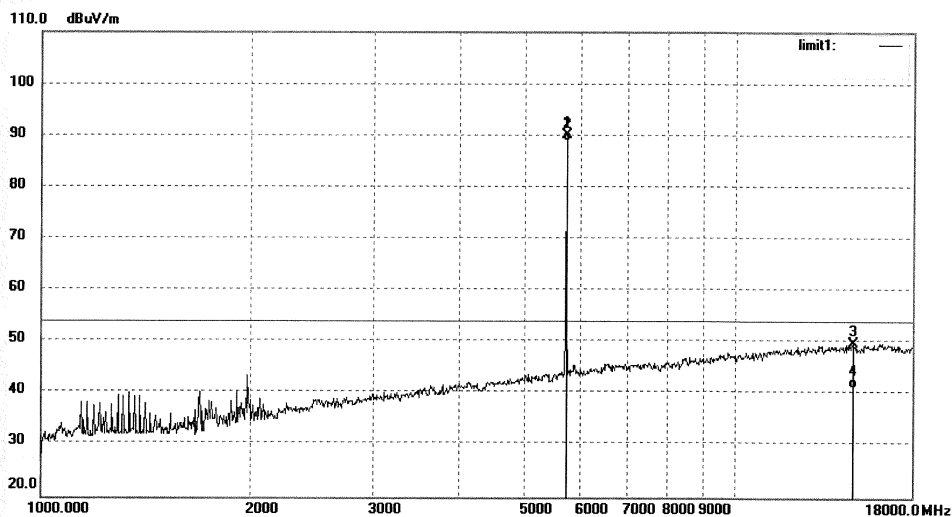
Date: 2017/06/18

Time:

Engineer Signature: WADE

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5731.000	82.45	7.68	90.13	114.00	-23.87	peak			
2	5731.000	81.35	7.68	89.03	94.00	-4.97	AVG			
3	14788.154	-9.97	59.70	49.73	74.00	-24.27	peak			
4	14788.154	-18.46	59.70	41.24	54.00	-12.76	AVG			


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Fax:+86-0755-26503396

Job No.: LGW2017 #2753

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 5.8G Wireless Audio Transceiver/Receiver Module

Mode: TX 5731MHz

Model: EV01S

Manufacturer: Edifier

Polarization: Vertical

Power Source: DC 3.3V

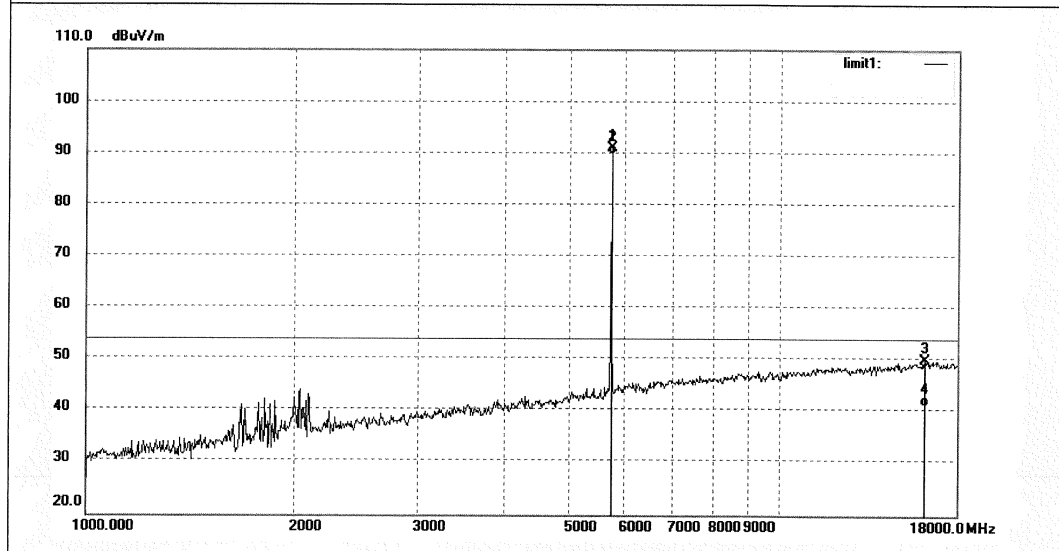
Date: 2017/06/18

Time:

Engineer Signature: WADE

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5731.000	83.37	7.68	91.05	114.00	-22.95	peak			
2	5731.000	82.27	7.68	89.95	94.00	-4.05	AVG			
3	16174.372	-8.80	58.84	50.04	74.00	-23.96	peak			
4	16174.372	-17.49	58.84	41.35	54.00	-12.65	AVG			


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Site: 2# Chamber

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Fax:+86-0755-26503396

Job No.: LGW2017 #2756

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 5.8G Wireless Audio Transceiver/Receiver Module

Mode: TX 5773MHz

Model: EV01S

Manufacturer: Edifier

Polarization: Horizontal

Power Source: DC 3.3V

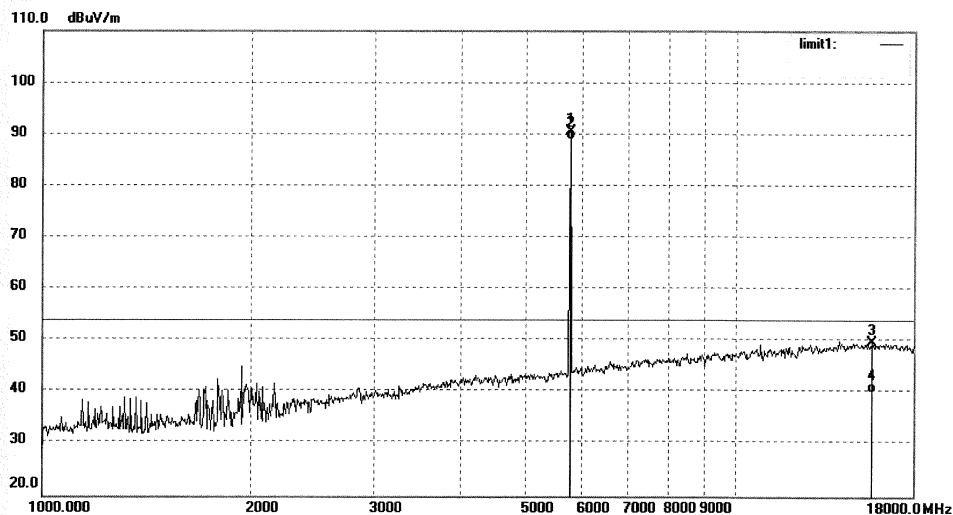
Date: 2017/06/18

Time:

Engineer Signature: WADE

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5773.000	82.62	7.94	90.56	114.00	-23.44	peak			
2	5773.000	81.12	7.94	89.06	94.00	-4.94	AVG			
3	15713.564	-8.72	58.43	49.71	74.00	-24.29	peak			
4	15713.564	-18.21	58.43	40.22	54.00	-13.78	AVG			


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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGW2017 #2757

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 5.8G Wireless Audio Transceiver/Receiver Module

Mode: TX 5773MHz

Model: EV01S

Manufacturer: Edifier

Polarization: Vertical

Power Source: DC 3.3V

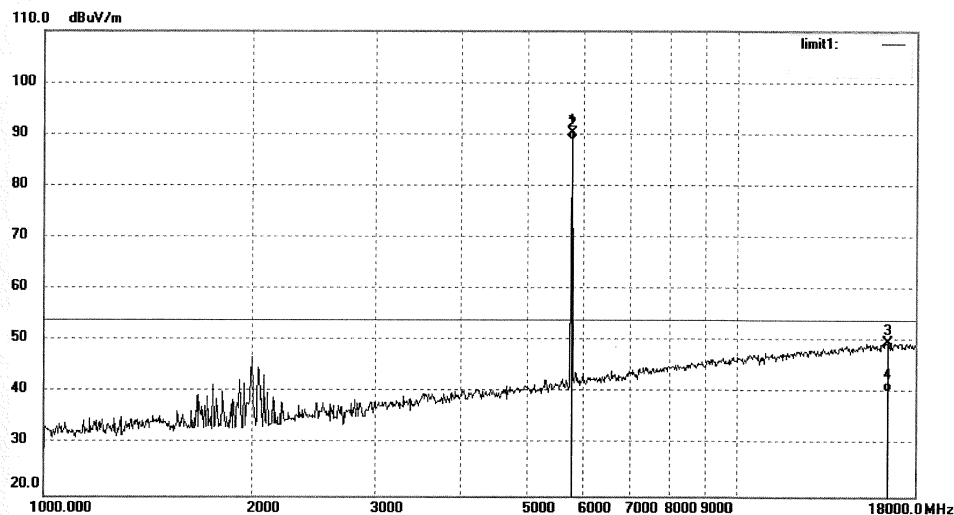
Date: 2017/06/18

Time:

Engineer Signature: WADE

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5773.000	82.45	7.94	90.39	114.00	-23.61	peak			
2	5773.000	80.95	7.94	88.89	94.00	-5.11	AVG			
3	16457.318	-9.44	59.24	49.80	74.00	-24.20	peak			
4	16457.318	-18.93	59.24	40.31	54.00	-13.69	AVG			


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGW2017 #2759

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 5.8G Wireless Audio Transceiver/Receiver Module

Mode: TX 5820MHz

Model: EV01S

Manufacturer: Edifier

Polarization: Horizontal

Power Source: DC 3.3V

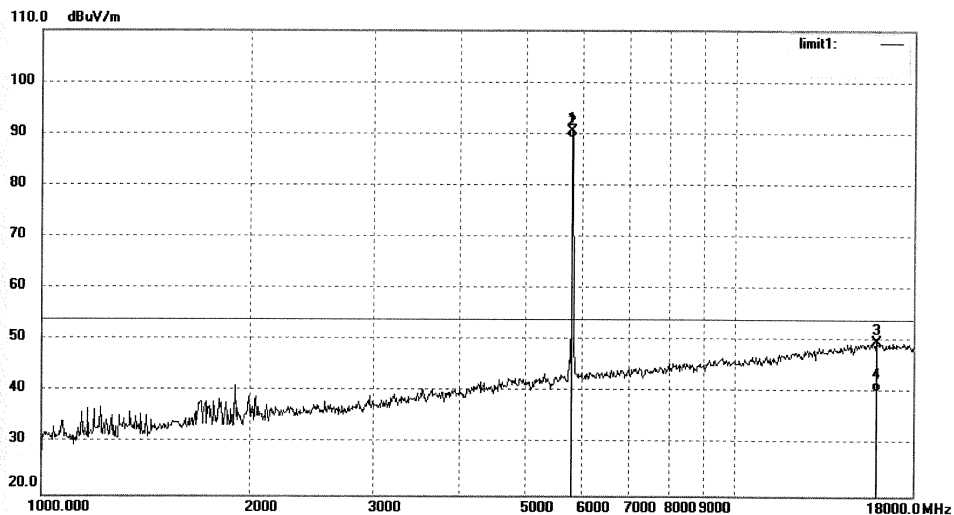
Date: 2017/06/18

Time:

Engineer Signature: WADE

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5820.000	82.40	8.16	90.56	114.00	-23.44	peak			
2	5820.000	81.10	8.16	89.26	94.00	-4.74	AVG			
3	15942.303	-8.64	58.56	49.92	74.00	-24.08	peak			
4	15942.303	-18.18	58.56	40.38	54.00	-13.62	AVG			

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Fax:+86-0755-26503396

Job No.: LGW2017 #2758

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 5.8G Wireless Audio Transceiver/Receiver Module

Mode: TX 5820MHz

Model: EV01S

Manufacturer: Edifier

Polarization: Vertical

Power Source: DC 3.3V

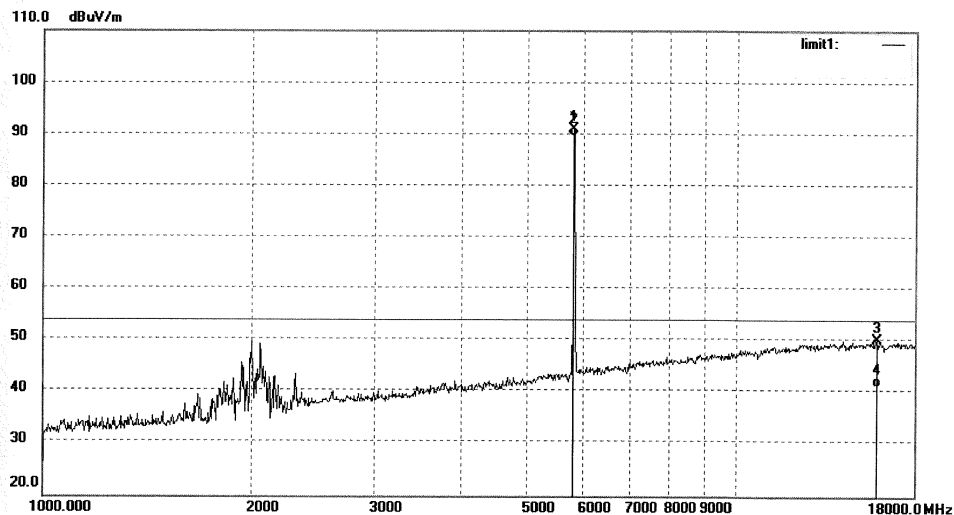
Date: 2017/06/18

Time:

Engineer Signature: WADE

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5820.000	82.74	8.16	90.90	114.00	-23.10	peak			
2	5820.000	81.44	8.16	89.60	94.00	-4.40	AVG			
3	15896.290	-8.34	58.54	50.20	74.00	-23.80	peak			
4	15896.290	-17.30	58.54	41.24	54.00	-12.76	AVG			


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Job No.: LGW2017 #2763

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 5.8G Wireless Audio Transceiver/Receiver Module

Mode: TX 5731MHz

Model: EV01S

Manufacturer: Edifier

Polarization: Horizontal

Power Source: DC 3.3V

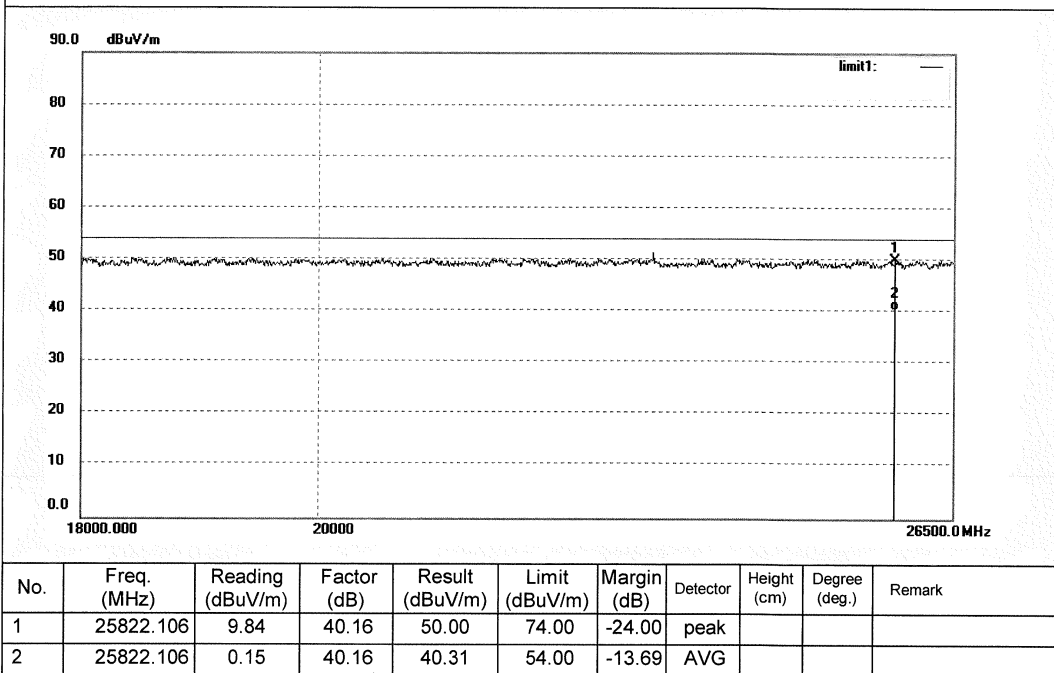
Date: 2017/06/18

Time:

Engineer Signature: WADE

Distance: 3m

Note:



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Site: 2# Chamber

Tel:+86-0755-26503290

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Job No.: LGW2017 #2762

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 5.8G Wireless Audio Transceiver/Receiver Module

Mode: TX 5731MHz

Model: EV01S

Manufacturer: Edifier

Polarization: Vertical

Power Source: DC 3.3V

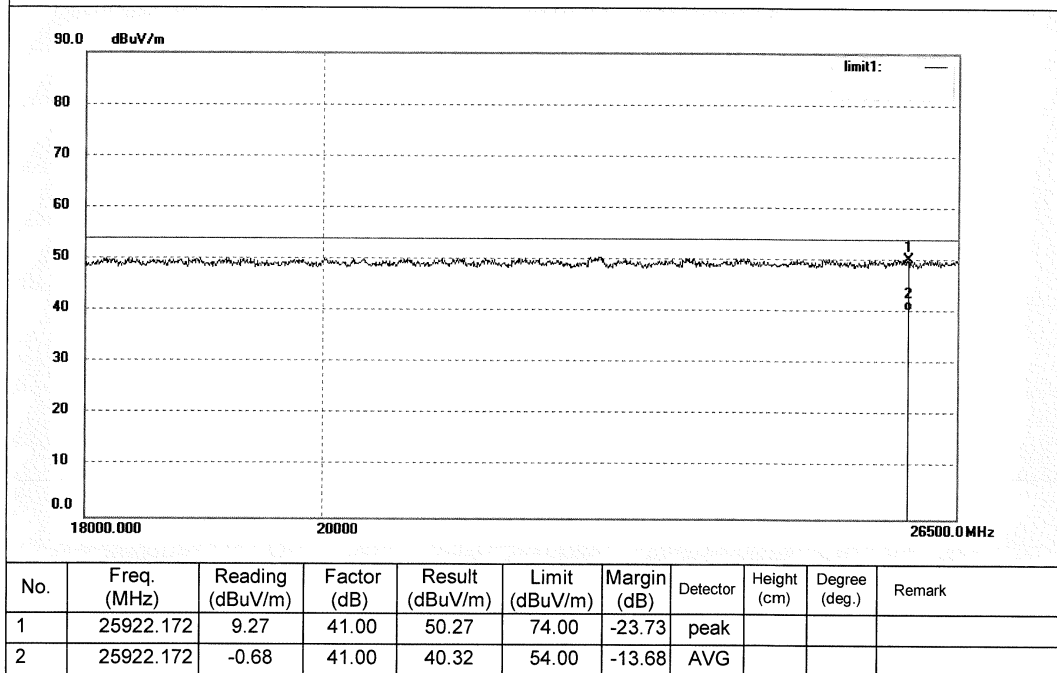
Date: 2017/06/18

Time:

Engineer Signature: WADE

Distance: 3m

Note:




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Job No.: LGW2017 #2764

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 5.8G Wireless Audio Transceiver/Receiver Module

Mode: TX 5773MHz

Model: EV01S

Manufacturer: Edifier

Polarization: Horizontal

Power Source: DC 3.3V

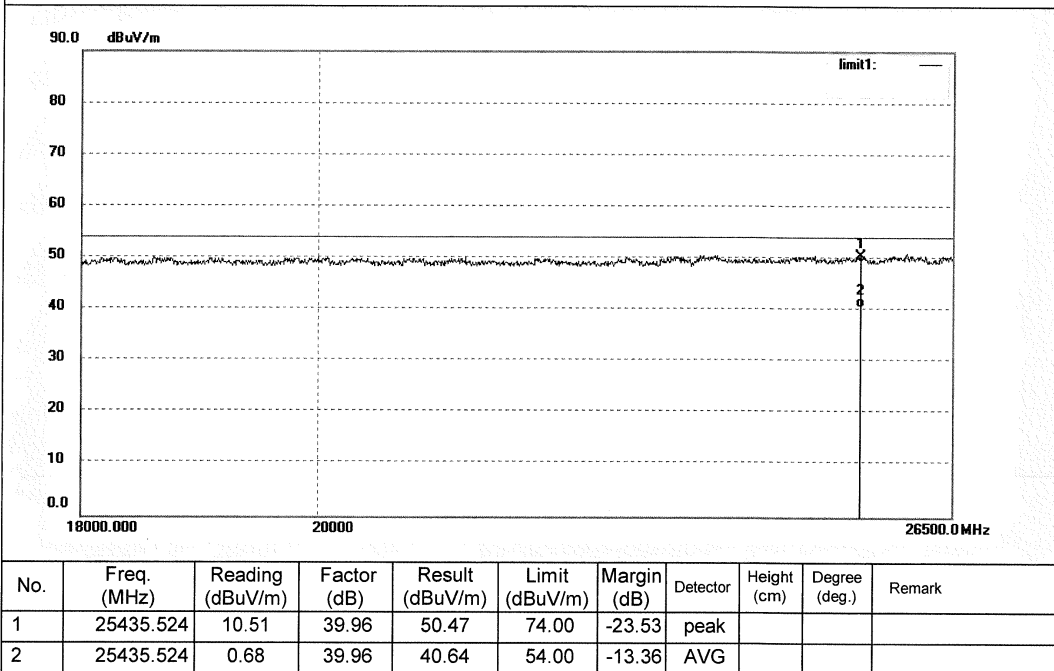
Date: 2017/06/18

Time:

Engineer Signature: WADE

Distance: 3m

Note:



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Job No.: LGW2017 #2765

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 5.8G Wireless Audio Transceiver/Receiver Module

Mode: TX 5773MHz

Model: EV01S

Manufacturer: Edifier

Polarization: Vertical

Power Source: DC 3.3V

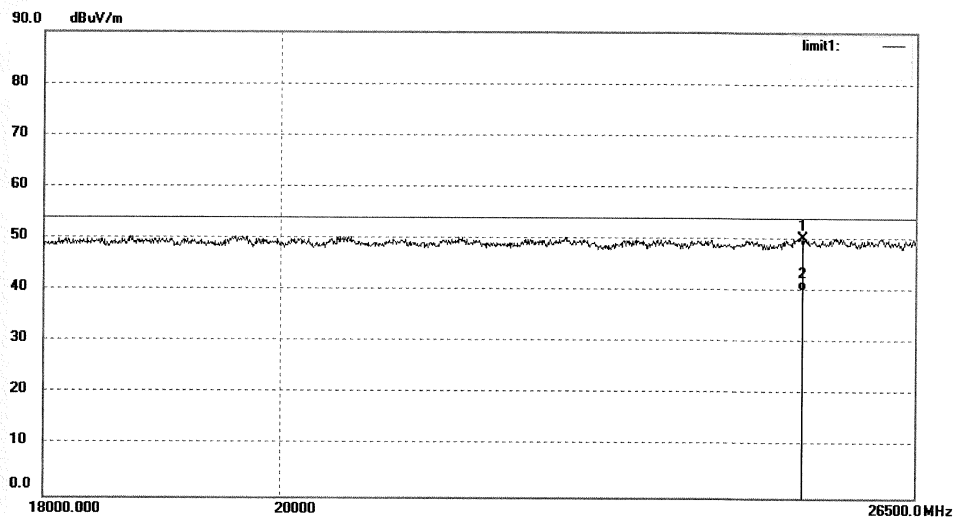
Date: 2017/06/18

Time:

Engineer Signature: WADE

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25200.510	9.15	41.11	50.26	74.00	-23.74	peak			
2	25200.510	-0.96	41.11	40.15	54.00	-13.85	AVG			

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Job No.: LGW2017 #2767

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 5.8G Wireless Audio Transceiver/Receiver Module

Mode: TX 5820MHz

Model: EV01S

Manufacturer: Edifier

Polarization: Horizontal

Power Source: DC 3.3V

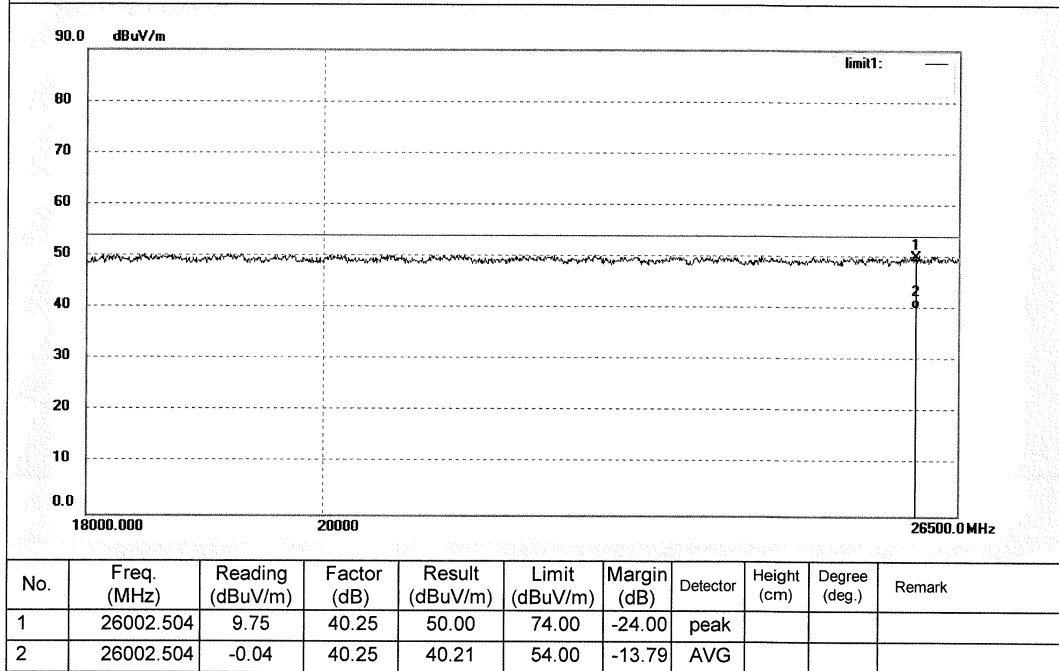
Date: 2017/06/18

Time:

Engineer Signature: WADE

Distance: 3m

Note:



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Job No.: LGW2017 #2766

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 5.8G Wireless Audio Transceiver/Receiver Module

Mode: TX 5820MHz

Model: EV01S

Manufacturer: Edifier

Polarization: Vertical

Power Source: DC 3.3V

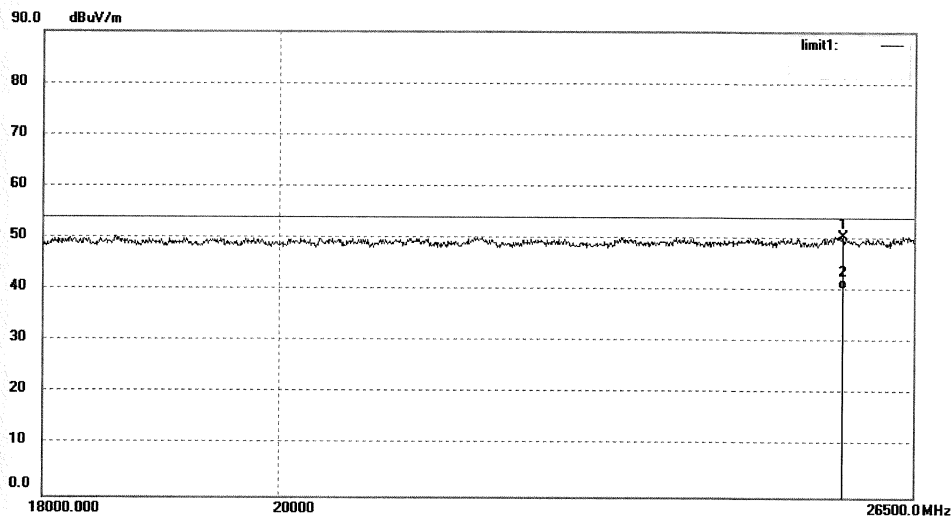
Date: 2017/06/18

Time:

Engineer Signature: WADE

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25672.730	9.48	41.03	50.51	74.00	-23.49	peak			
2	25672.730	-0.70	41.03	40.33	54.00	-13.67	AVG			

EMI Sweep(3)

1 / 1

Radiated Emission

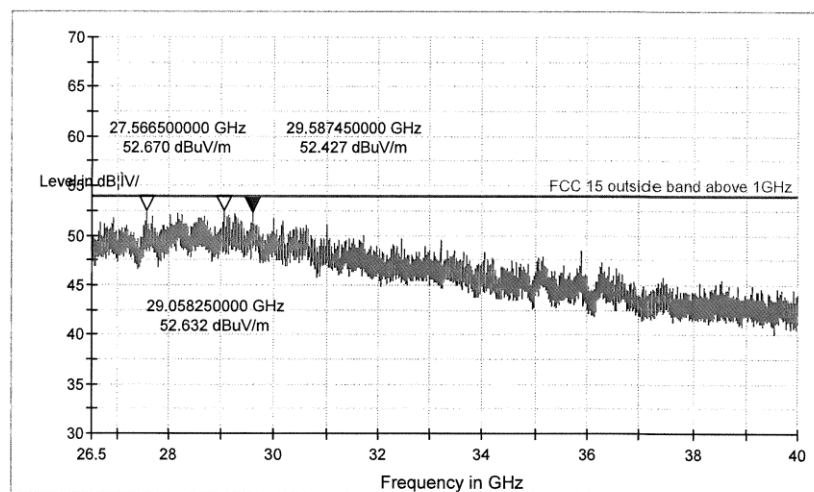
EUT Information

EUT Model Name: 5.8G Wireless Audio Transceiver/Receiver Module M/N:EV01S
Operation mode: TX 5731MHz
Test Voltage: DC 3.3V
Comment: EDIFIER

Common Information

Test Site: SMQ EMC Lab.
Environment Conditions:
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC Electric Field Strength 26.5-40GHz



EMI Sweep(3)

1 / 1

Radiated Emission

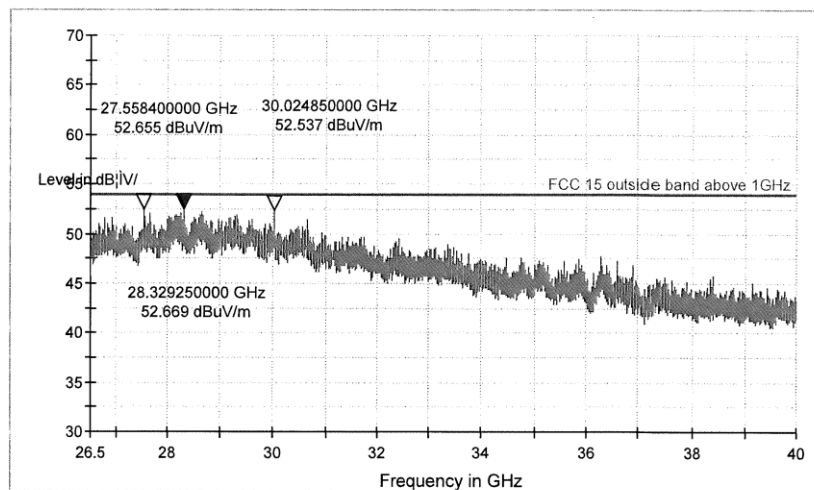
EUT Information

EUT Model Name:	5.8G Wireless Audio Transceiver/Receiver Module M/N:EV01S
Operation mode:	TX 5731MHz
Test Voltage:	DC 3.3V
Comment:	EDIFIER

Common Information

Test Site:	SMQ EMC Lab.
Environment Conditions:	
Antenna Polarization:	Vertical
Operator Name:	
Comment:	

FCC Electric Field Strength 26.5-40GHz



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Test Plot of Frequency Band Edge


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Job No.: LGW2017 #2755

Standard: FCC (Band Edge)

Test item: Radiation Test

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

EUT: 5.8G Wireless Audio Transceiver/Receiver Module

Mode: TX 5731MHz

Model: EV01S

Manufacturer: Edifier

Polarization: Horizontal

Power Source: DC 3.3V

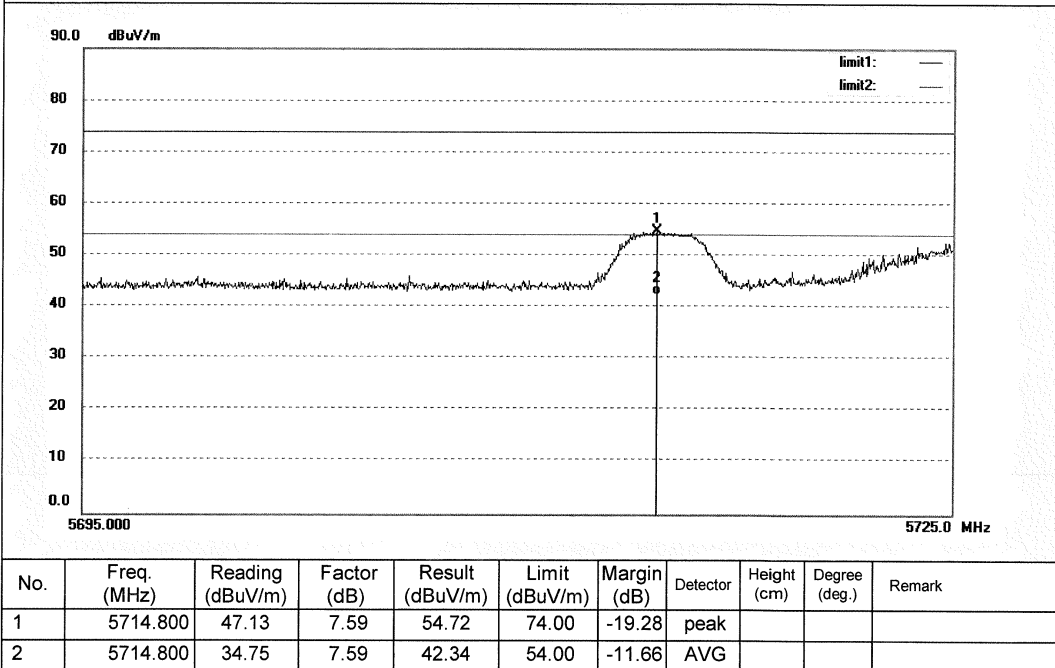
Date: 2017/06/18

Time:

Engineer Signature: WADE

Distance: 3m

Note:




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Job No.: LGW2017 #2754

Standard: FCC (Band Edge)

Test item: Radiation Test

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

EUT: 5.8G Wireless Audio Transceiver/Receiver Module

Mode: TX 5731MHz

Model: EV01S

Manufacturer: Edifier

Polarization: Vertical

Power Source: DC 3.3V

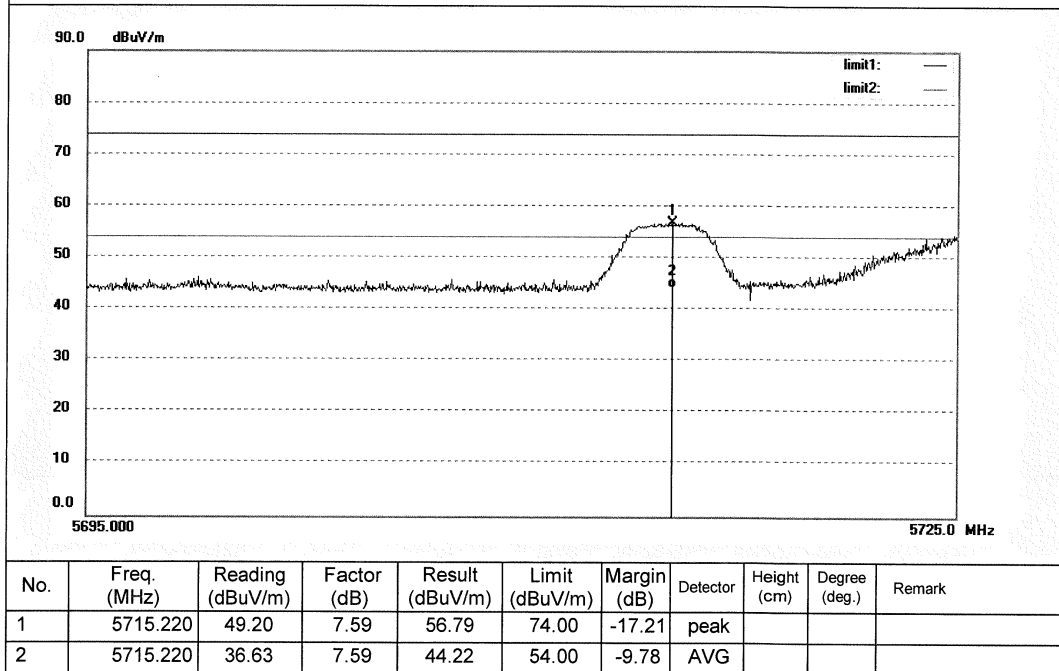
Date: 2017/06/18

Time:

Engineer Signature: WADE

Distance: 3m

Note:



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Job No.: LGW2017 #2760

Standard: FCC (Band Edge)

Test item: Radiation Test

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

EUT: 5.8G Wireless Audio Transceiver/Receiver Module

Mode: TX 5820MHz

Model: EV01S

Manufacturer: Edifier

Polarization: Horizontal

Power Source: DC 3.3V

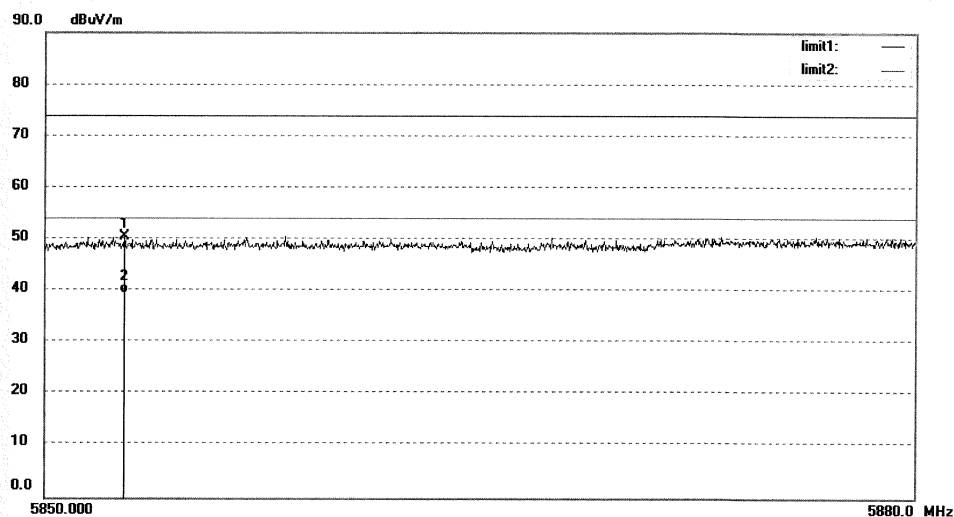
Date: 2017/06/18

Time:

Engineer Signature: WADE

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5852.730	42.32	8.25	50.57	74.00	-23.43	peak			
2	5852.730	31.20	8.25	39.45	54.00	-14.55	AVG			

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Site: 2# Chamber

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Job No.: LGW2017 #2761

Standard: FCC (Band Edge)

Test item: Radiation Test

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

EUT: 5.8G Wireless Audio Transceiver/Receiver Module

Mode: TX 5820MHz

Model: EV01S

Manufacturer: Edifier

Polarization: Vertical

Power Source: DC 3.3V

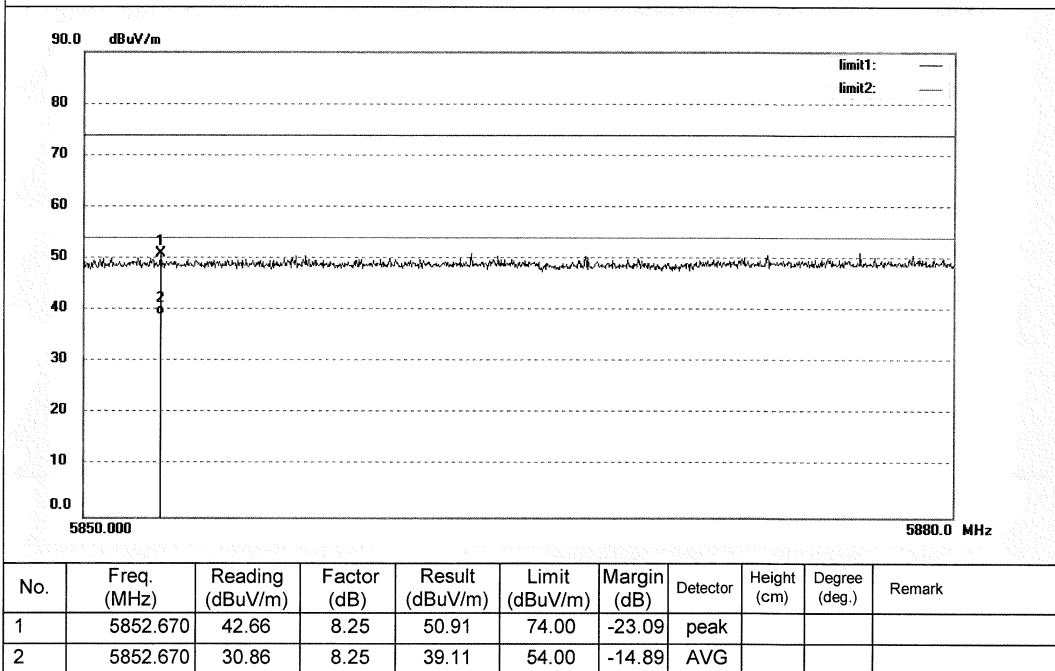
Date: 2017/06/18

Time:

Engineer Signature: WADE

Distance: 3m

Note:



6. Safety Human exposure

6.1 Radio Frequency Exposure Compliance

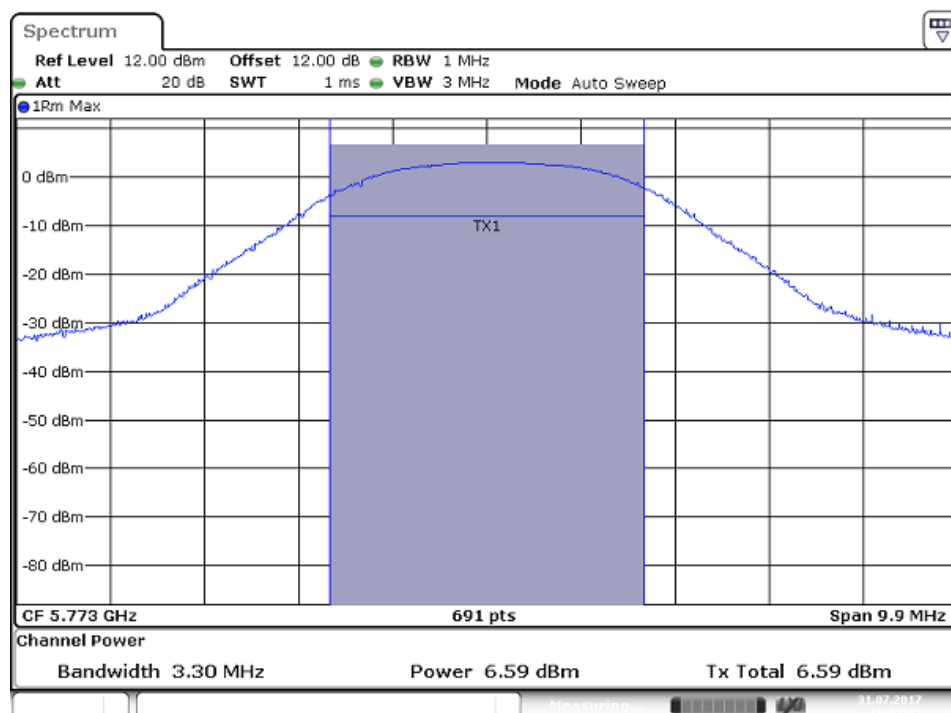
6.1.1 Electromagnetic Fields

RESULT:
Pass

Test standard : RSS-102 Issue 5 March 2015
 FCC KDB Publication 447498 D01 v06

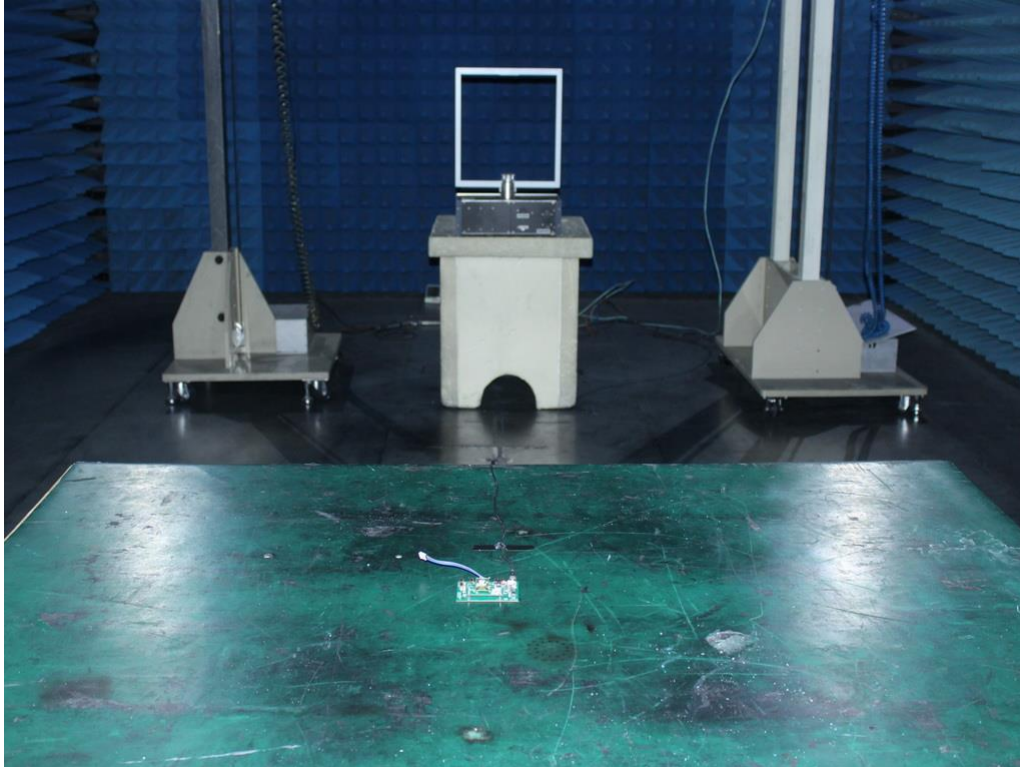
The maximum conducted output power of the transmitter is 4.56mW (6.59dBm) only, which less than 106mW. Hence the EUT is exempted from routine evaluation limits (SAR Evaluation) according to clause 2.5.1 of RSS-102 Issue 5.

Since maximum conducted output power of the transmitter is 4.56mW<62mW, and the distance from EUT to human is >50mm, hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01 General RF Exposure Guidance v06.

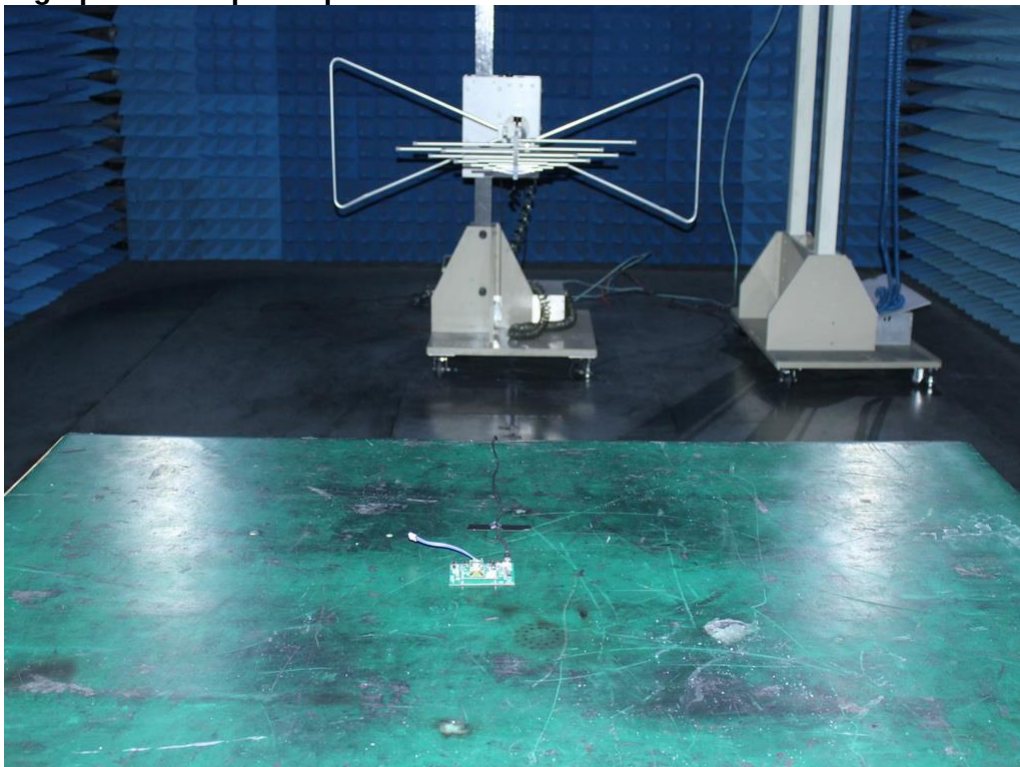


7. Photographs of the Test Set-Up

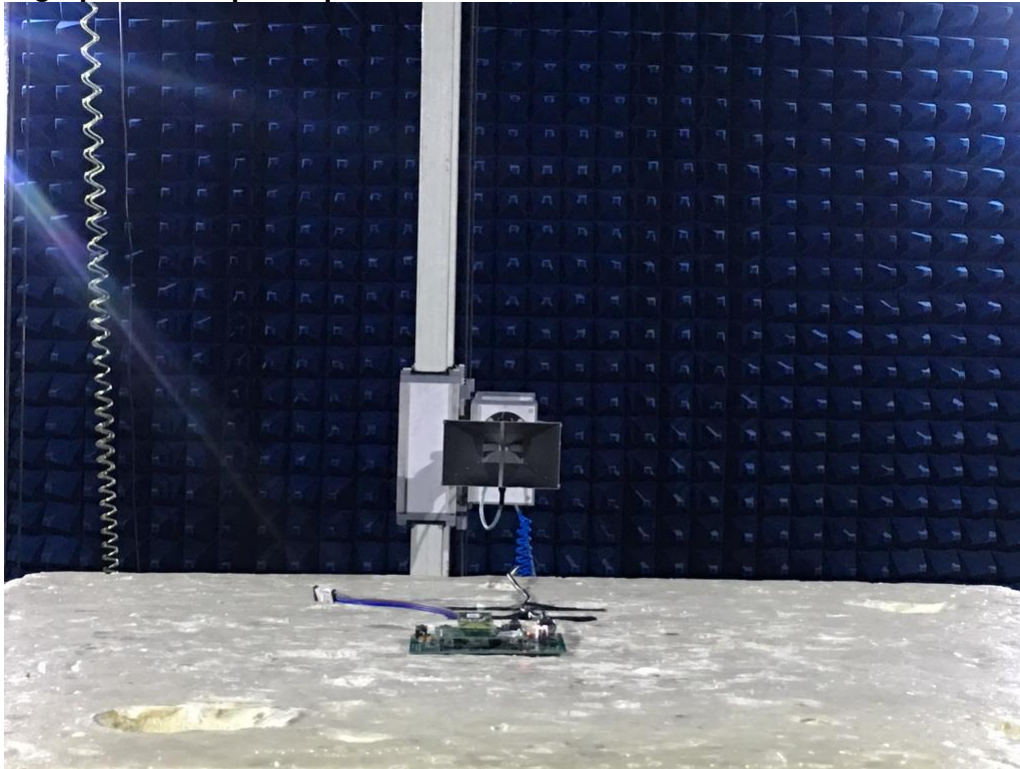
Photograph 1: Set-up for Spurious Emissions below 30MHz



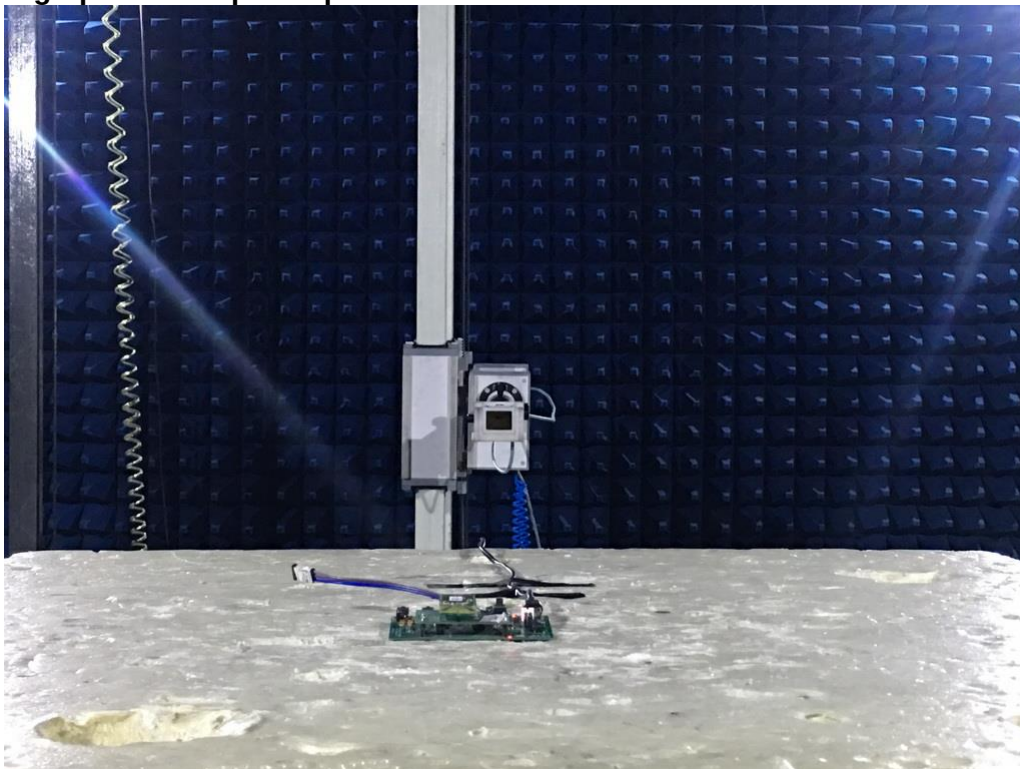
Photograph 2: Set-up for Spurious Emissions of 30MHz – 1GHz



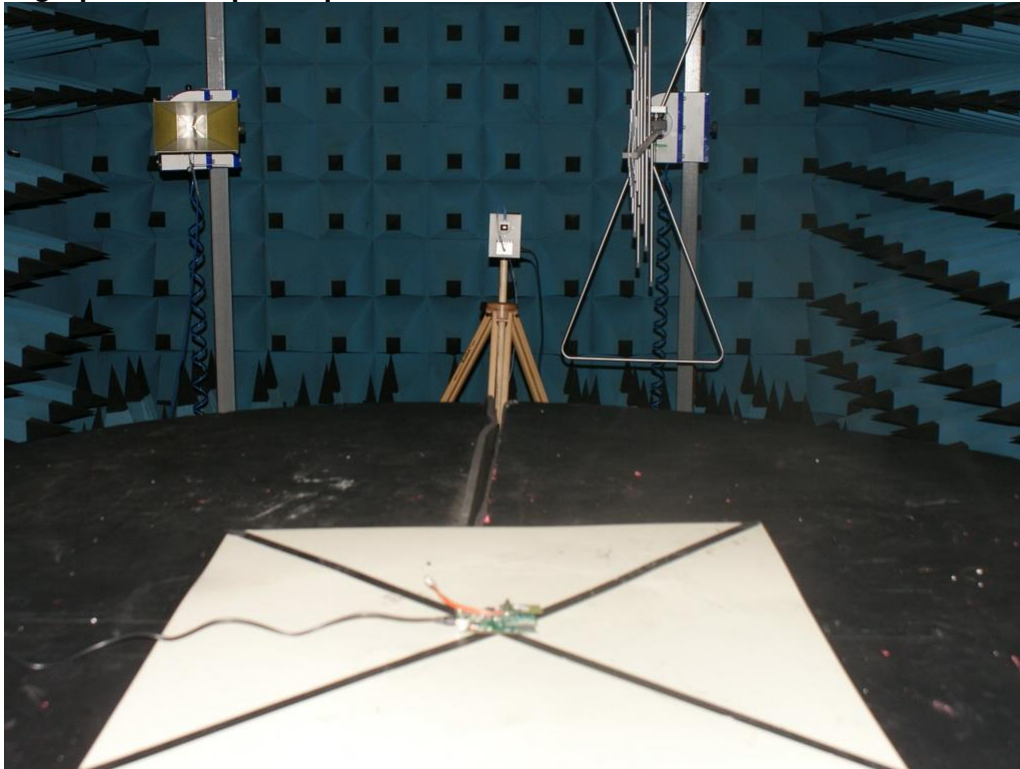
Photograph 3: Set-up for Spurious Emissions of 1 – 18GHz



Photograph 4: Set-up for Spurious Emissions of 18 – 26.5GHz



Photograph 5: Set-up for Spurious Emissions of 26.5 – 40GHz



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