Prüfbericht-Nr.: *Test Report No.*:	**17046043 001**	**Auftrags-Nr.:** *Order No.*:	164024661	Seite 1 von 38 *Page 1 of 38*
Kunden-Referenz-Nr.: *Client Reference No.*:	N/A	**Auftragsdatum:** *Order date*:	15.11.2014	
Auftraggeber: *Client*:	TGI Technology Pte Ltd. 140 Paya Lebar Road, #06-25 AZ Building, Singapore 409015			
Prüfgegenstand: *Test item*:	Bluetooth Speaker			
Bezeichnung / Typ-Nr.: *Identification / Type No.*:	EUPHO			
Auftrags-Inhalt: *Order content*:	FCC Certification and Verification			
Prüfgrundlage: *Test specification*:	CFR47 FCC Part 15: Subpart C Section 15.247 CFR47 FCC Part 15: Subpart C Section 15.207 CFR47 FCC Part 15: Subpart C Section 15.209 CFR47 FCC Part 15: Subpart C Section 15.107 CFR47 FCC Part 15: Subpart C Section 15.109			

Wareneingangsdatum: *Date of receipt*:	10.12.2014
Prüfmuster-Nr.: *Test sample No.*:	A000137758-001 to 003
Prüfzeitraum: *Testing period*:	11.12.2014 - 31.12.2014
Ort der Prüfung: *Place of testing*:	Shenzhen Accurate Technology Co., Ltd.
Prüflaboratorium: *Testing laboratory*:	TÜV Rheinland (Shenzhen) Co., Ltd.
Prüfergebnis*: *Test result**:	Pass

geprüft von / *tested by*:

Datum *Date*	**Name / Stellung** *Name / Position*	**Unterschrift** *Signature*
10.03.2015	Owen Tian / Senior Project Manager	

kontrolliert von / *reviewed by*:

Datum *Date*	**Name / Stellung** *Name / Position*	**Unterschrift** *Signature*
13.03.2015	Winnie Hou / Technical Certifier	

Sonstiges / *Other*:

Zustand des Prüfgegenstandes bei Anlieferung: Prüfmuster vollständig und unbeschädigt
Condition of the test item at delivery: *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*

TEST SUMMARY

5.1.1 ANTENNA REQUIREMENT
RESULT: Passed

5.1.2 PEAK OUTPUT POWER
RESULT: Passed

5.1.3 CONDUCTED POWER SPECTRAL DENSITY
RESULT: Passed

5.1.4 -6DB BANDWIDTH
RESULT: Passed

5.1.5 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100KHZ BANDWIDTH
RESULT: Passed

5.1.6 SPURIOUS EMISSION
RESULT: Passed

5.1.7 20DB BANDWIDTH
RESULT: Passed

5.1.8 FREQUENCY SEPARATION
RESULT: Passed

5.1.9 NUMBER OF HOPPING FREQUENCY
RESULT: Passed

5.1.10 TIME OF OCCUPANCY
RESULT: Passed

5.1.11 CONDUCTED EMISSIONS
RESULT: Passed

5.1.12 RADIATED EMISSION
RESULT: Passed

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1. General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:
Appendix 1: Test Result

2. Test Sites

2.1 Test Facilities

Shenzhen Accurate Technology Co., Ltd.

F1, Bldg. A, Changyuan New Meterial Port, Keyuan Rd., Science & Industry Park Nanshan District, Shenzhen 518057, P.R. China

FCC Registration No.: 752051

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
Spurious emission and Radiated emission				
Signal Generator	Rohde&Schwarz	SMT03	100059	2015-01-11
Voltage Probe	Rohde&Schwarz	URV5-Z2	100012	2015-01-11
Voltage Probe	Rohde&Schwarz	URV5-Z2	100013	2015-01-11
Field Probe	ETS	HI-6005	121578	2015-01-11
Power Amplifier	AR	250W1000A	335304	2015-01-11
Power Amplifier	MILMEGA	AS0860-75/45	1040084	2015-01-11
Power Meter	Rohde & Schwarz	NRVD	100041	2015-01-11
Broadband antenna	CHASE	CBL6111C	2576	N/A
Horn Antenna	AR	AT4002A	305754	N/A
Radio Test Suite				
Receiver	Rohde & Schwarz	ESCS30	100307	2015-01-11
Conducted Emission				
Test Receiver	Rohde & Schwarz	ESCS30	100307	2015-01-11
L.I.S.N.	Schwarzbeck	NLSK8126	8126431	2015-01-11
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100815	2015-01-11
50¯ Coaxial Switch	Anritsu Corp	MP59B	6200283933	2015-01-11

2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, 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 basics using in house standards or comparisons.

2.5 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements are ±3dB.

2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix1 of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Shenzhen) file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

The Shenzhen Accurate Technology Co., Ltd. test facility located at F1, Bldg. A, Changyuan New Meterial Port, Keyuan Rd., Science & Industry Park Nanshan District, Shenzhen 518057, 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 Bluetooth Speaker with Bluetooth 4.0 dual mode.
For details refer to the User Manual, Technical Description and Circuit Diagram.

3.2 Ratings and System Details

Table 2: Rating of EUT

Kind of Equipment:	Bluetooth Speaker
Type Designation:	EUPHO
FCC ID	2AD2MEUPHO

Table 3: Technical Specification of Bluetooth (BDR & EDR)

Technical Specification	**Value**
Operating Frequency band	2402 – 2480 MHz
Bluetooth Core Version	4.0 Dual mode
Channel separation	1MHz
Extreme Temperature Range	-10ºC to +55ºC
Operation Voltage	DC3.7V via lithium Battery
Modulation	GFSK, 8DPSK, π/4DQPSK
Antenna Type	Internal Antenna, Non-User Replaceable
Antenna Gain	0dBi
RF Output Power	0.007W (8.47dBm)

Table 4: RF channel and frequency of Bluetooth (BDR & EDR mode)

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
0	2402.00	20	2422.00	40	2442.00	60	2462.00
1	2403.00	21	2423.00	41	2443.00	61	2463.00
2	2404.00	22	2424.00	42	2444.00	62	2464.00
3	2405.00	23	2425.00	43	2445.00	63	2465.00
4	2406.00	24	2426.00	44	2446.00	64	2466.00
5	2407.00	25	2427.00	45	2447.00	65	2467.00
6	2408.00	26	2428.00	46	2448.00	66	2468.00
7	2409.00	27	2429.00	47	2449.00	67	2469.00
8	2410.00	28	2430.00	48	2450.00	68	2470.00
9	2411.00	29	2431.00	49	2451.00	69	2471.00
10	2412.00	30	2432.00	50	2452.00	70	2472.00
11	2413.00	31	2433.00	51	2453.00	71	2473.00
12	2414.00	32	2434.00	52	2454.00	72	2474.00
13	2415.00	33	2435.00	53	2455.00	73	2475.00
14	2416.00	34	2436.00	54	2456.00	74	2476.00
15	2417.00	35	2437.00	55	2457.00	75	2477.00
16	2418.00	36	2438.00	56	2458.00	76	2478.00
17	2419.00	37	2439.00	57	2459.00	77	2479.00
18	2420.00	38	2440.00	58	2460.00	78	2480.00
19	2421.00	39	2441.00	59	2461.00		

Table 5: Technical Specification of Bluetooth (low energy)

Technical Specification	**Value**
Operating Frequency band	2402 – 2480 MHz
Bluetooth Core Version	4.0 Dual mode
Channel separation	2MHz
Extreme Temperature Range	-10ºC to +55ºC
Operation Voltage	DC3.7V via lithium Battery
Modulation	GFSK
Antenna Type	Internal Antenna, Non-User Replaceable
Antenna Gain	0dBi
RF Output Power	0.001W (-0.1dBm)

Table 6: RF channel and frequency of Bluetooth low energy

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
0	2402.00	10	2422.00	20	2442.00	30	2462.00
1	2404.00	11	2424.00	21	2444.00	31	2464.00
2	2406.00	12	2426.00	22	2446.00	32	2466.00
3	2408.00	13	2428.00	23	2448.00	33	2468.00
4	2410.00	14	2430.00	24	2450.00	34	2470.00
5	2412.00	15	2432.00	25	2452.00	35	2472.00
6	2414.00	16	2434.00	26	2454.00	36	2474.00
7	2416.00	17	2436.00	27	2456.00	37	2476.00
8	2418.00	18	2438.00	28	2458.00	38	2478.00
9	2420.00	19	2440.00	29	2460.00	39	2480.00

3.3 Independent Operation Modes

The basic operation modes are:

A. On, Traditional Bluetooth
   1. Transmitting on low channel
   2. Transmitting on middle channel
   3. Transmitting on high channel

B. On, Bluetooth low energy
   1. Transmitting on low channel
   2. Transmitting on middle channel
   3. Transmitting on high channel

C. Play through Analog in

D. Charge & Play through USB

E. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5 Submitted Documents

- Bill of Material
- PCB Layout
- Photo Document
- Technical Description
- 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 C63.4: 2003.

4.3 Special Accessories and Auxiliary Equipment

The EUT was tested with following accessories:

Description	Manufacturer	Type	S/N
iPod	APPLE	A1238	8K039T1Y9ZU
iphone4s	APPLE	MD235ZP	C8PJLWZNDTC0
Notebook	Lenovo	4290-RT8	R9-FW93G
Printer	HP	laserjet	CNFG030424

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

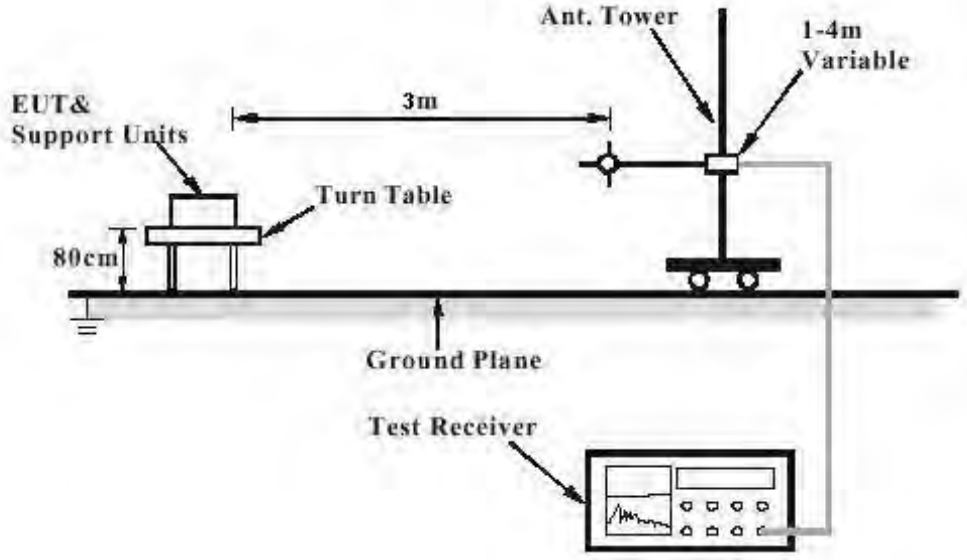


Diagram of Measurement Equipment Configuration for Mains Conduction Measurement

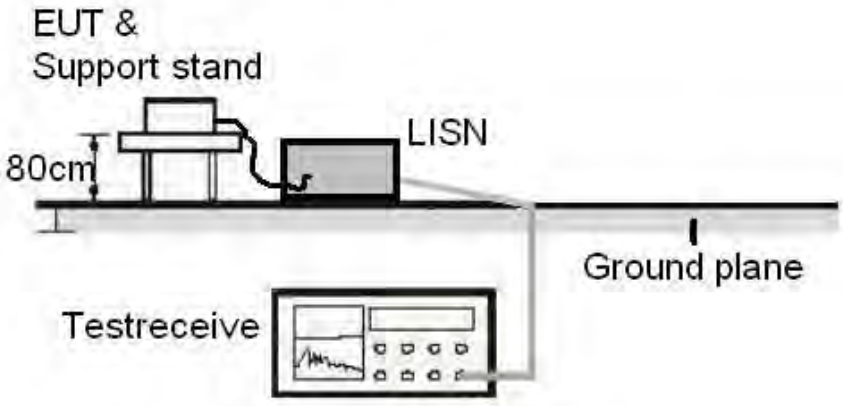
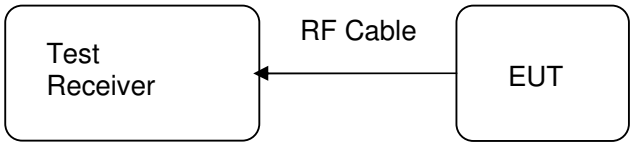


Diagram of Measurement Equipment Configuration for Conducted Transmitter Measurement



5. Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT: **Passed**

Test date	:	2014-12-11
Test standard	:	FCC Part 15.247(b)(4) and Part 15.203
Limit	:	the use of antennas with directional gains that do not exceed 6 dBi

According to the manufacturer declared, the EUT has an internal antenna, the directional gain of antenna is 0dBi, and the antenna connector is designed with permanent attachment and no consideration of replacement. Therefore the EUT is considered sufficient to comply with the provision.

Refer to EUT photo for details.

5.1.2 Peak Output Power

RESULT: **Passed**

Test date	:	2014-12-11
Test standard	:	FCC Part 15.247(b)(3)
Basic standard	:	ANSI C63.4: 2003
Limit	:	1 Watt
Kind of test site	:	Shielded room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A
Ambient temperature	:	25℃
Relative humidity	:	55%
Atmospheric pressure	:	101 kPa

Table 7: Test result of Peak Output Power, BR

Channel	Channel Frequency (MHz)	Peak Output Power		Limit
		(dBm)	(W)	(W)
Low Channel	2402	6.14	0.004	1
Middle Channel	2440	8.16	0.007	1
High Channel	2480	8.47	0.007	1

Table 8: Test result of Peak Output Power, EDR

Channel	Channel Frequency (MHz)	Peak Output Power		Limit
		(dBm)	(W)	(W)
Low Channel	2402	2.51	0.002	1
Middle Channel	2440	7.24	0.005	1
High Channel	2480	7.61	0.006	1

Table 9: Test result of Peak Output Power, low energy

Channel	Channel Frequency (MHz)	Peak Output Power		Limit
		(dBm)	(W)	(W)
Low Channel	2402	-3.83	0.0004	1
Middle Channel	2440	-0.10	0.001	1
High Channel	2480	-0.93	0.0008	1

5.1.3 Conducted Power Spectral Density

RESULT: **Passed**

Test date	:	2014-12-11
Test standard	:	FCC Part 15.247(e)
Basic standard	:	ANSI C63.4: 2003
Limit	:	8dBm/3kHz
Kind of test site	:	Shielded room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A
Ambient temperature	:	25℃
Relative humidity	:	55%
Atmospheric pressure	:	101 kPa

Table 10: Test result of Power Spectral Density, low energy

Channel	Channel Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)
Low Channel	2402	-20.10	8
Middle Channel	2440	-16.17	8
High Channel	2480	-16.90	8

5.1.4 -6dB Bandwidth

RESULT: **Passed**

Date of testing	:	2014-12-11
Test standard	:	FCC Part 15.247(a)(2)
Basic standard	:	ANSI C63.4: 2003
Kind of test site	:	Shielded room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A
Ambient temperature	:	25℃
Relative humidity	:	55%
Atmospheric pressure	:	101 kPa

Table 11: Test result of 6dB Bandwidth, low energy

Channel	Channel Frequency (MHz)	-6dB Bandwidth (kHz)	Limit (kHz)	Result
Low Channel	2402	654	500	Pass
Mid Channel	2440	648	500	Pass
High Channel	2480	648	500	Pass

5.1.5 Conducted spurious emissions measured in 100kHz Bandwidth

RESULT: **Passed**

Date of testing	:	2014-12-11
Test standard	:	FCC part 15.247(d)
Basic standard	:	ANSI C63.4: 2003
Limit	:	20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power); In addition, radiated emissions which fall in the restricted bands, must also comply with the radiated emission limits specified in 15.209(a)
Kind of test site	:	Shield room

Test setup

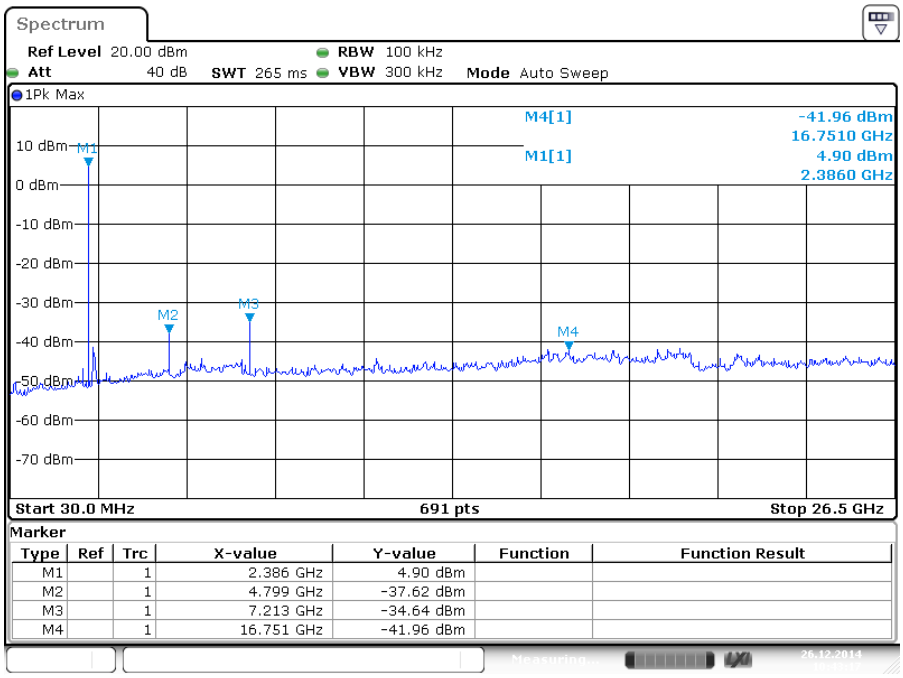
Test Channel	:	Low/ High
Operation mode	:	A
Ambient temperature	:	25℃
Relative humidity	:	55%
Atmospheric pressure	:	101 kPa

All emissions are more than 20dB below fundamental, details refer to following test plot, and compliance is achived as well.

Test Plot of 100kHz Bandwidth of Frequency Band Edge

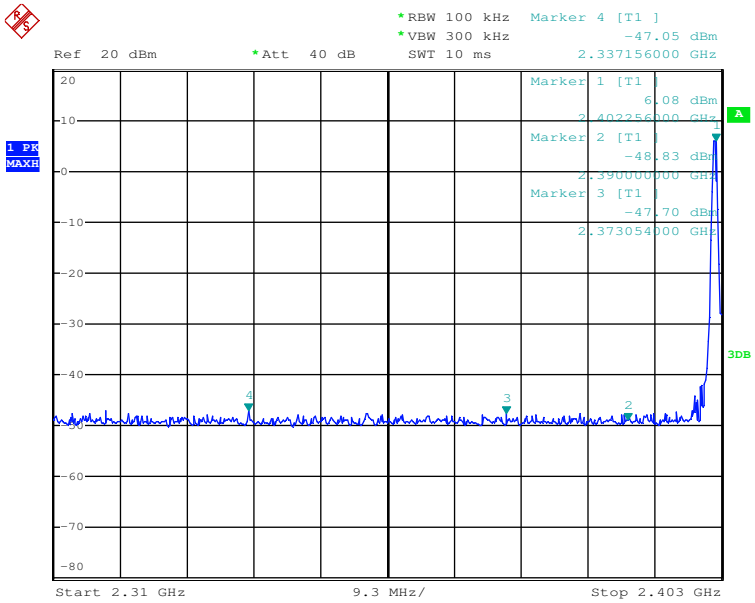
BDR mode

Low Channel



Date: 26.DEC.2014 10:43:17

Low Channel, Band Edge



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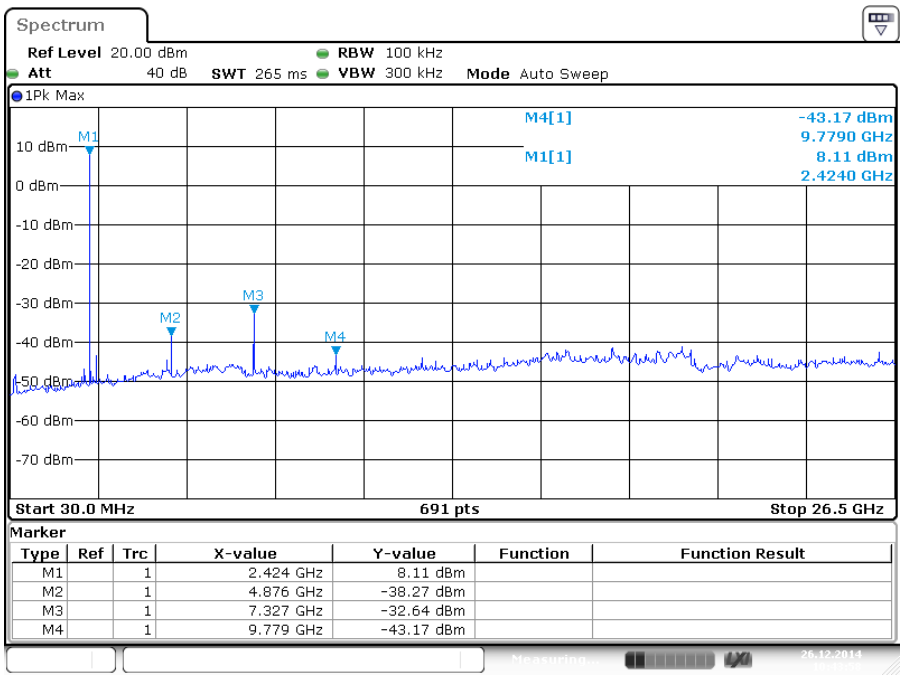
Middle Channel



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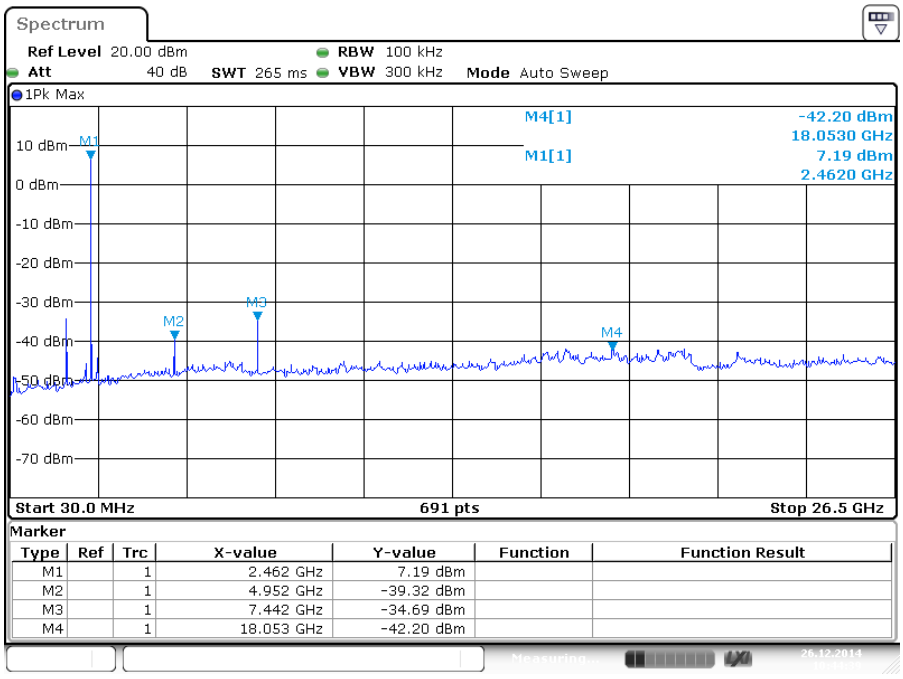
High Channel



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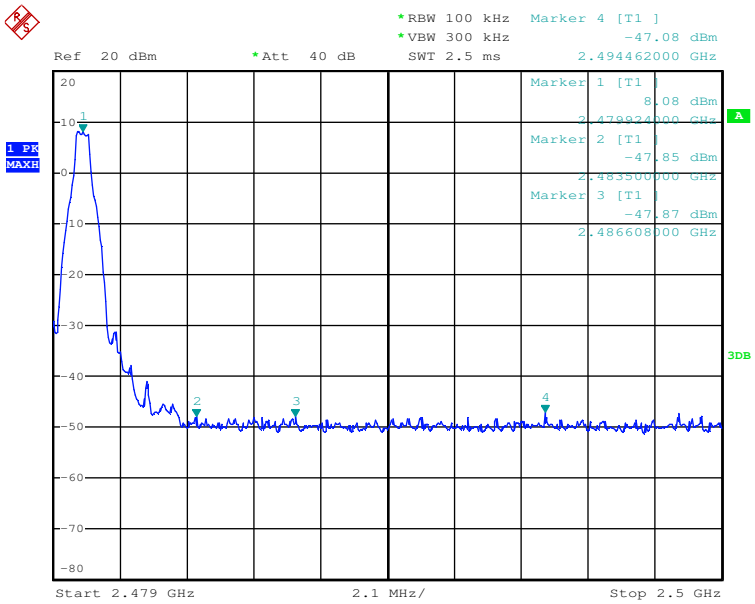
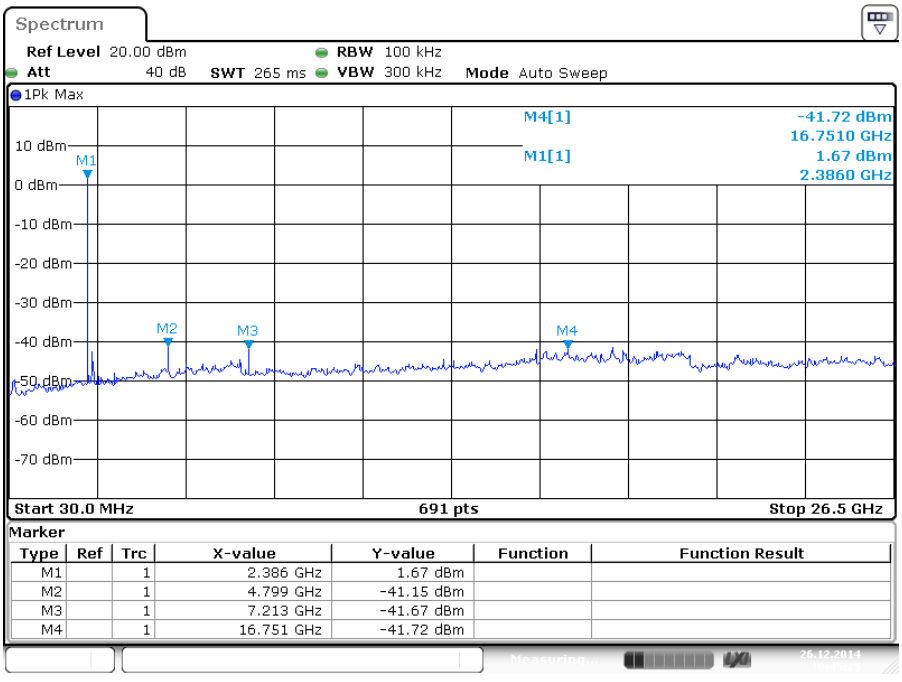
High Channel, Band Edge



Date: 11.DEC.2014 14:00:28

EDR mode

Low Channel



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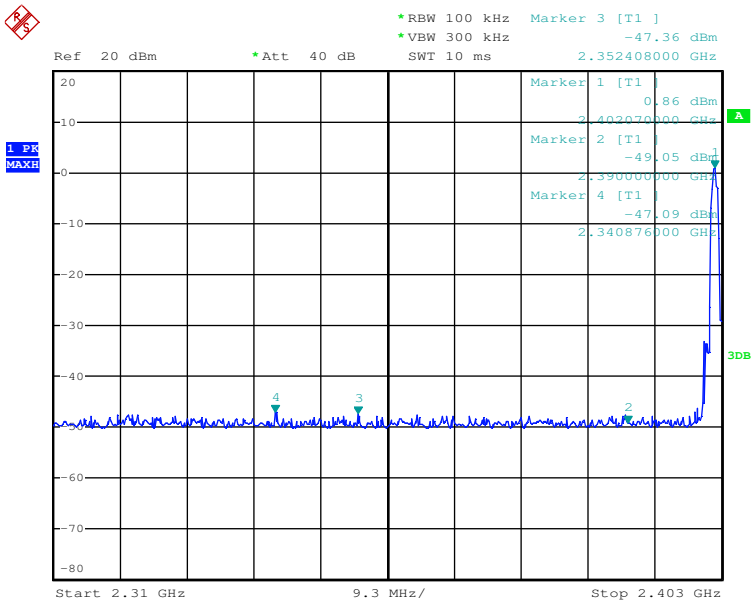
Low Channel, Band Edge



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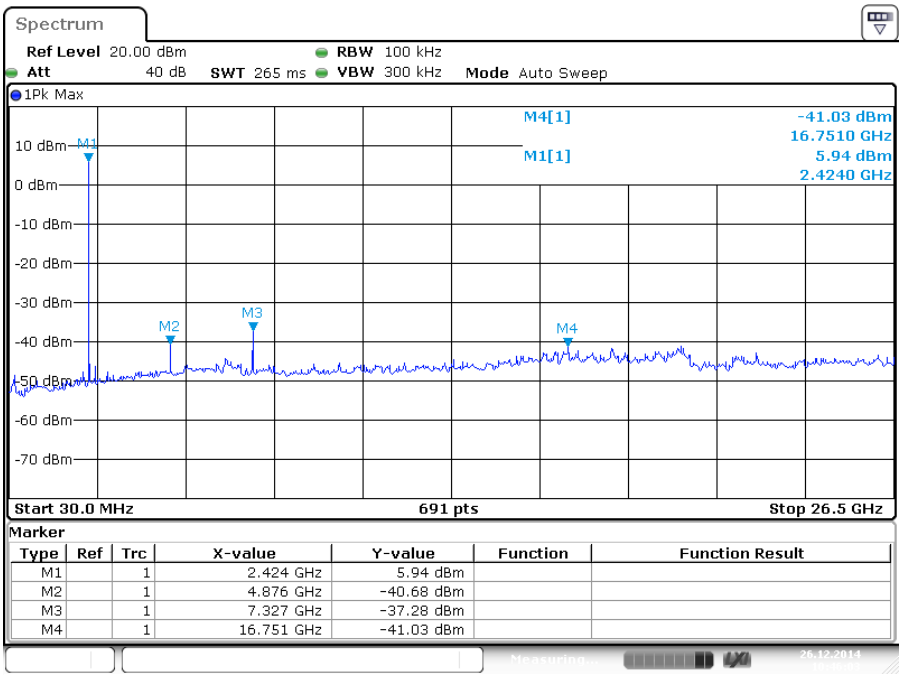
Middle Channel



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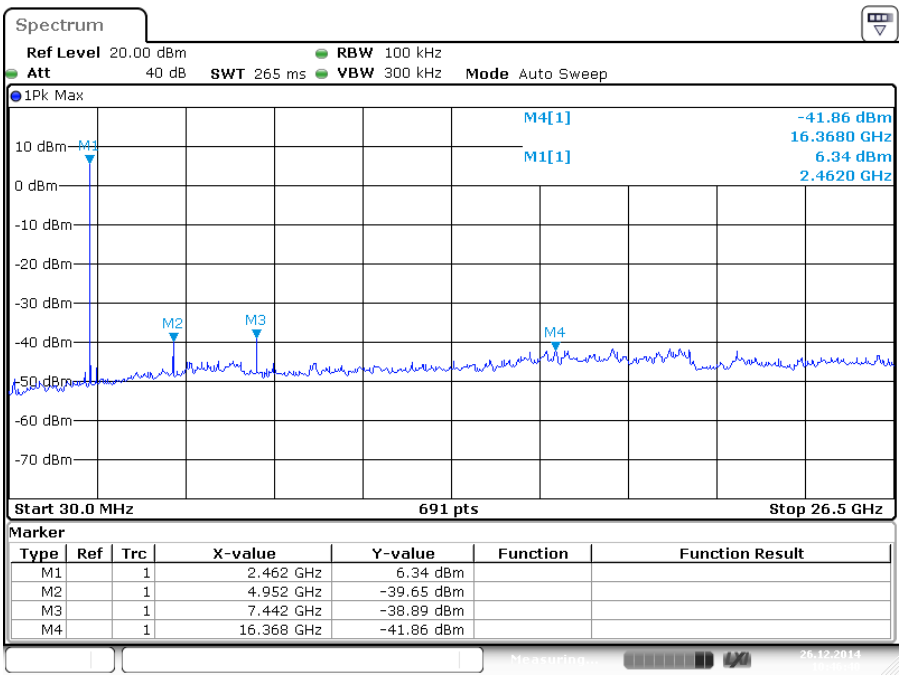
High Channel



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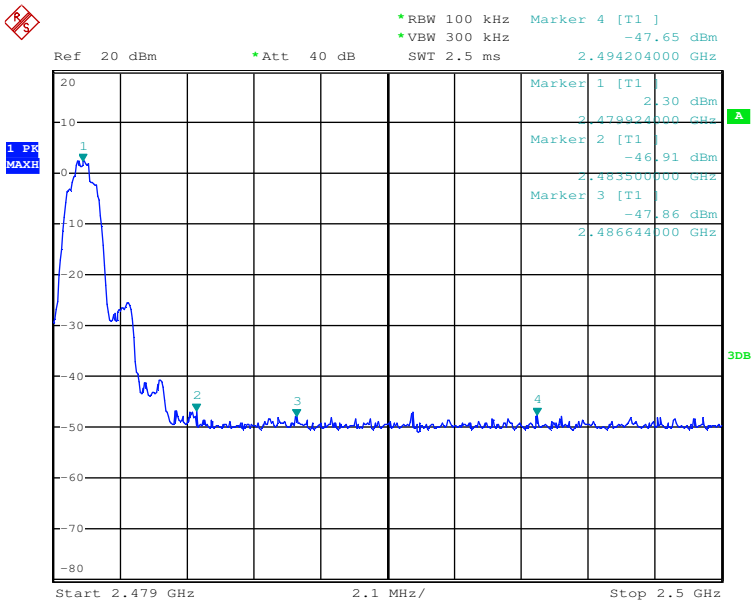
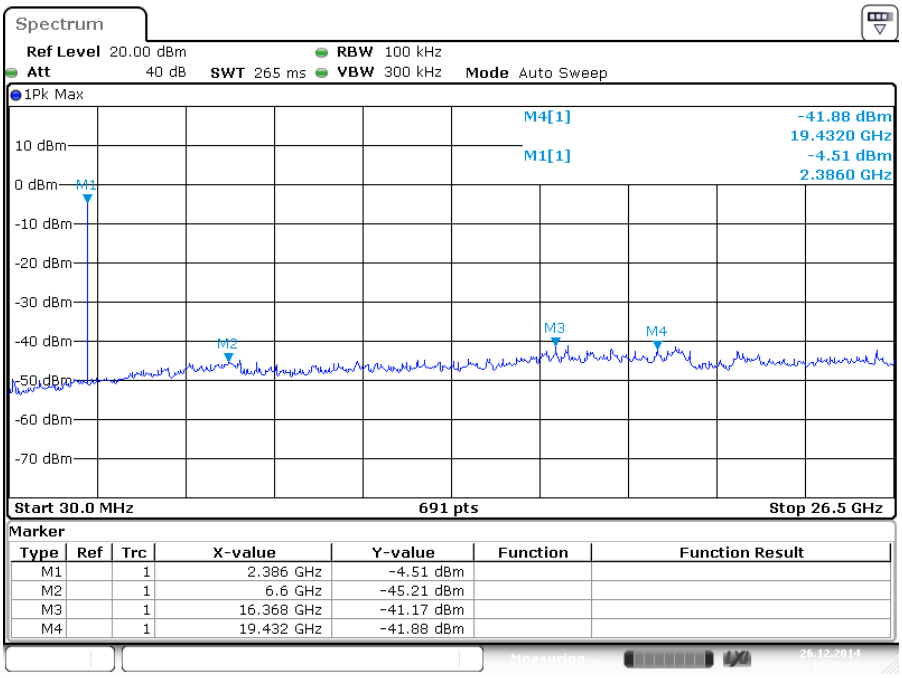
High Channel, Band Edge



Date: 11.DEC.2014 14:01:47

Low energy

Low Channel



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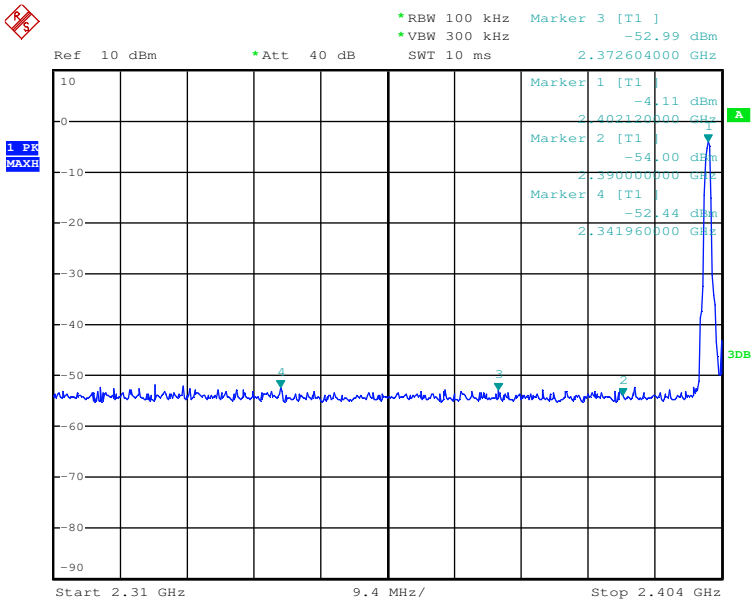
Low Channel, Band Edge



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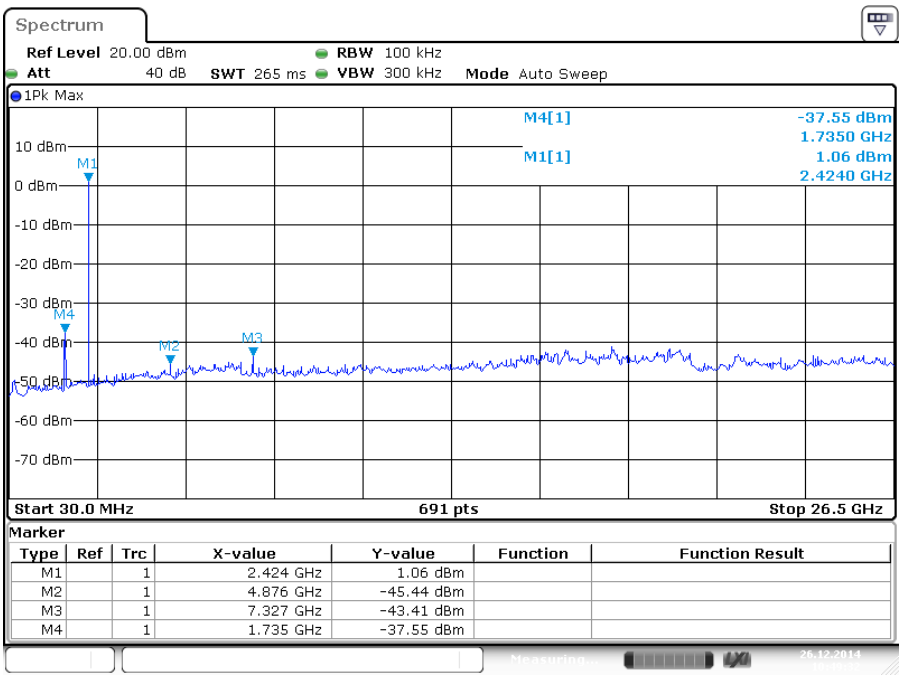
Middle Channel



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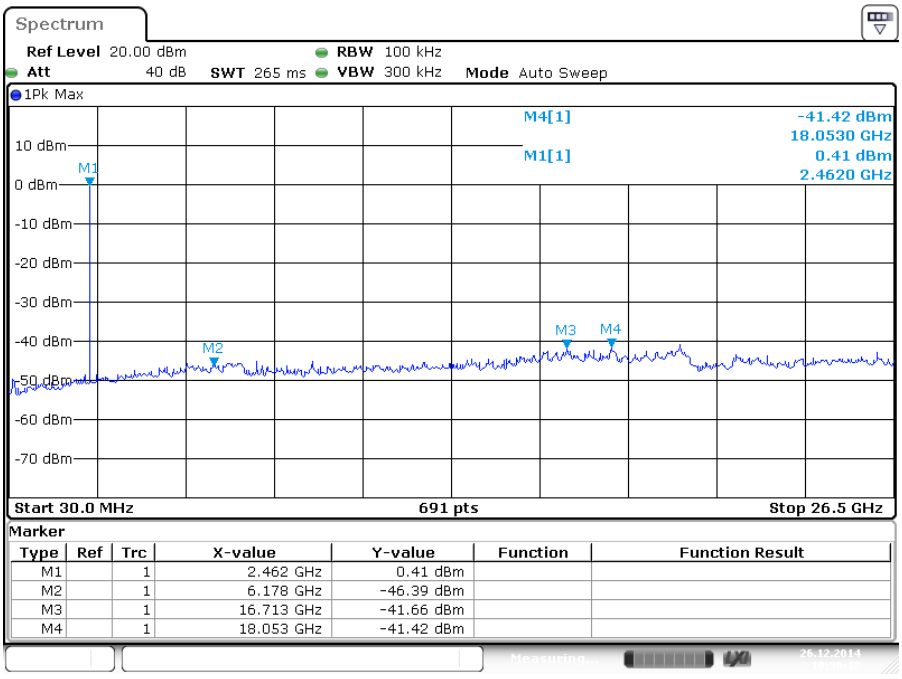
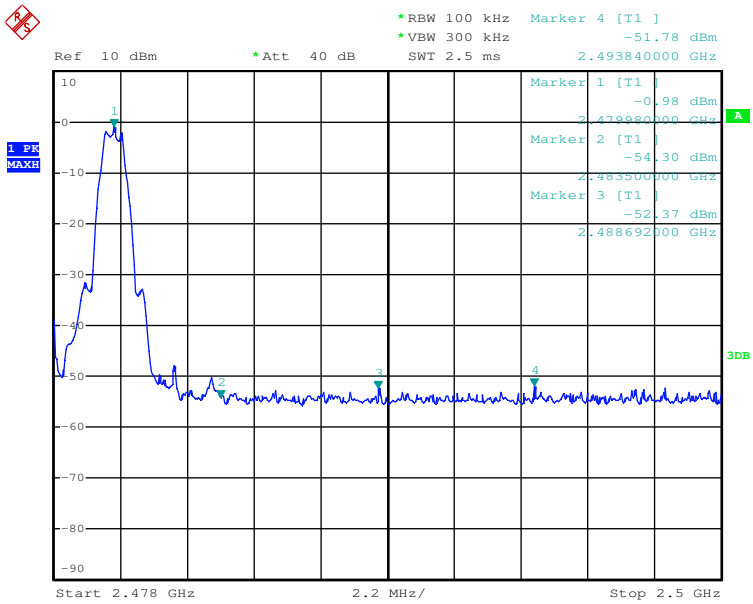
High Channel



Date: 26.DEC.2014 10:50:13

High Channel, Band Edge



Date: 11.DEC.2014 16:11:56

5.1.6 Spurious Emission

RESULT: **Passed**

Date of testing	:	2014-12-12 to 2014-12-31
Test standard	:	FCC part 15.247(d) FCC Part 15.205
Basic standard	:	ANSI C63.4: 2003
Limits	:	Refer to 15.209(a) of FCC part 15.247(d)
Kind of test site	:	3m Semi-Anechoic Chamber

Test setup

Test Channel	:	Low/ Middle/ High
Operation mode	:	A
Ambient temperature	:	25℃
Relative humidity	:	55%
Atmospheric pressure	:	101 kPa

Remark:
During the pretest the EUT was rotated through three orthogonal axes to determine the attitude that maximizes the emissions. After that the EUT was manually handled to find the orientation that has the maximum emission, which is the orientation shown in the test setup photos.
Testing was carried out within frequency range 9kHz to the tenth harmonics.

For details refer to Appendix 1.

5.1.7 20dB Bandwidth

RESULT: **Passed**

Date of testing	:	2014-12-11
Test standard	:	FCC Part 15.247(a)(1)
Basic standard	:	ANSI C63.4: 2003
Kind of test site	:	Shielded room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A
Ambient temperature	:	25℃
Relative humidity	:	55%
Atmospheric pressure	:	101 kPa

Table 12: Test result of 20dB Bandwidth, BDR mode

Channel	Channel Frequency (MHz)	20dB Bandwidth (kHz)	Limit (kHz)	Result
Low Channel	2402	930	500	Pass
Mid Channel	2440	930	500	Pass
High Channel	2480	930	500	Pass

Table 13: Test result of 20dB Bandwidth, EDR mode

Channel	Channel Frequency (MHz)	20dB Bandwidth (kHz)	Limit (kHz)	Result
Low Channel	2402	1140	500	Pass
Mid Channel	2440	1140	500	Pass
High Channel	2480	1140	500	Pass

5.1.8 Frequency Separation

RESULT: **Passed**

Date of testing	:	2014-12-11
Test standard	:	FCC part 15.247(a)(1)
Basic standard	:	ANSI C63.4: 2003
Limit	:	≥ 25kHz or 2/3 of 20dB bandwidth, whichever is greater

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A
Ambient temperature	:	25℃
Relative humidity	:	55%
Atmospheric pressure	:	101 kPa

Table 14: Test result of Frequency Separation

Channel	Channel Frequency (MHz)	Measured Channel Separation (MHz)	Limit (kHz)	Result
Low Channel	2402	1	≥ 25kHz or 2/3 of 20dB bandwidth	Pass
Adjacency Channel	2403			
Mid Channel	2441	1	≥ 25kHz or 2/3 of 20dB bandwidth	Pass
Adjacency Channel	2442			
High Channel	2480	1	≥ 25kHz or 2/3 of 20dB bandwidth	Pass
Adjacency Channel	2479			

5.1.9 Number of hopping frequency

RESULT: **Passed**

Date of testing	:	2014-12-11
Test standard	:	FCC part 15.247(a)(1)(iii)
Basic standard	:	ANSI C63.4: 2003
Limits	:	≥ 15 non-overlapping channels
Kind of test site	:	Shield room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A
Ambient temperature	:	25℃
Relative humidity	:	55%
Atmospheric pressure	:	101 kPa

Table 15: Test result of Number of hopping frequency

Frequency Range	Measured Quantity of Hopping Channel	Limit	Result
2400 to 2483.5 MHz	79	≥15	Pass

5.1.10 Time of Occupancy

RESULT: **Passed**

Date of testing	:	2014-12-11
Test standard	:	FCC part 15.247(a)(1)(iii)
Basic standard	:	ANSI C63.4: 2003
Limits	:	0.4s
Kind of test site	:	Shield room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A
Ambient temperature	:	25℃
Relative humidity	:	55%
Atmospheric pressure	:	101 kPa

Table 16: Test result of Time of Occupancy, BDR mode

Channel	Data Mode	Pulse width (ms)	Measured Dwell time (s)	Limit (s)	Result
Low Channel	DH1	0.45	0.144	0.4	Pass
	DH3	1.73	0.277	0.4	Pass
	DH5	3.0	0.32	0.4	Pass
Mid Channel	DH1	0.45	0.144	0.4	Pass
	DH3	1.73	0.277	0.4	Pass
	DH5	3.0	0.32	0.4	Pass
High Channel	DH1	0.45	0.144	0.4	Pass
	DH3	1.73	0.277	0.4	Pass
	DH5	3.0	0.32	0.4	Pass

Table 17: Test result of Time of Occupancy, EDR mode

Channel	Data Mode	Pulse width (ms)	Measured Dwell time (s)	Limit (s)	Result
Low Channel	DH1	0.46	0.147	0.4	Pass
	DH3	1.76	0.282	0.4	Pass
	DH5	3.03	0.323	0.4	Pass
Mid Channel	DH1	0.46	0.147	0.4	Pass
	DH3	1.74	0.278	0.4	Pass
	DH5	3.03	0.320	0.4	Pass
High Channel	DH1	0.47	0.150	0.4	Pass
	DH3	1.74	0.278	0.4	Pass
	DH5	3.0	0.320	0.4	Pass

Note:

Dwell time = Pulse width x (Hopping rate / Number of channels) x Period

Period = 0.4 (seconds/ channel) x 79 (channel) = 31.6 seconds

5.1.11 Conducted emissions

RESULT: **Passed**

Date of testing	:	2014-12-29
Test standard	:	FCC Part 15.207(a)
Basic standard	:	ANSI C63.4: 2003
Frequency range	:	0.15 – 30MHz
Limits	:	FCC Part 15.207(a)
Kind of test site	:	Shield room

Test setup

Input Voltage	:	AC 120V, 60Hz via AC input of Notebook
Operation Mode	:	D
Earthing	:	Not connected
Ambient temperature	:	25℃
Relative humidity	:	55%
Atmospheric pressure	:	101 kPa

For details refer to Appendix 1.

5.1.12 Radiated Emission

RESULT: **Passed**

Date of testing	:	2014-12-25 to 2014-12-29
Test standard	:	FCC Part 15 Per Section 15.209(a)
Frequency range	:	30 - 6000MHz
Classification	:	Class B
Test procedure	:	ANSI C63.4: 2003
Kind of test site	:	3m Semi-Anechoic Chamber

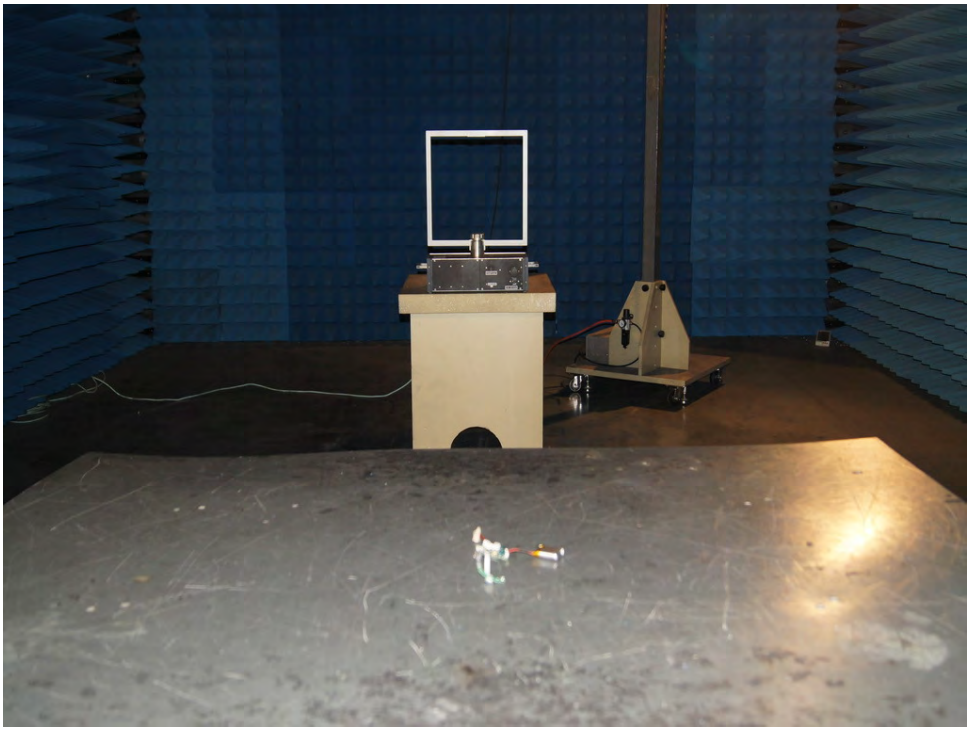
Test setup

Input Voltage	:	AC 120V, 60Hz via AC input of Notebook
Operation mode	:	C, D
Earthing	:	Not connected
Ambient temperature	:	Refer to Appendix 1
Relative humidity	:	Refer to Appendix 1
Atmospheric pressure	:	Refer to Appendix 1

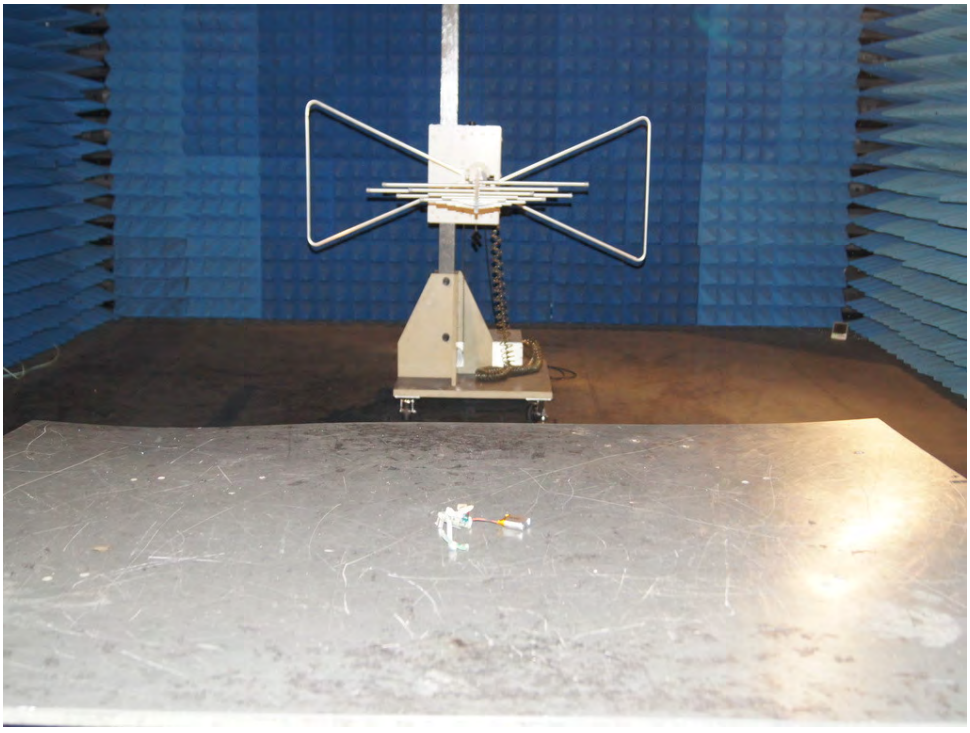
Test data refer to Appendix 1.

6. Photographs of the Test Set-Up

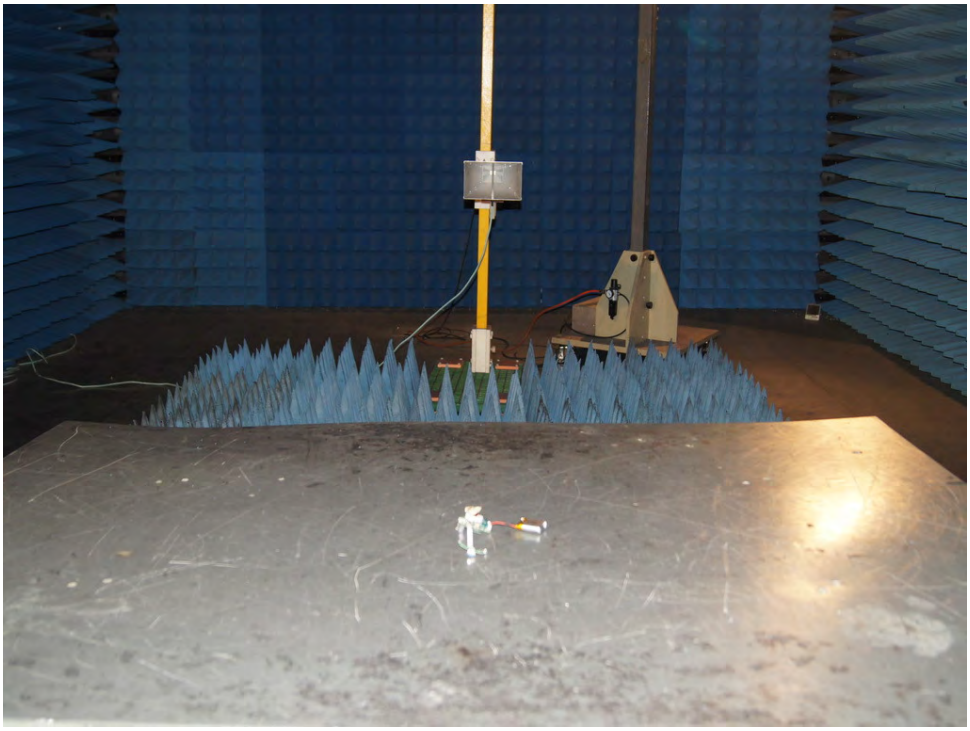
Photograph 1: Set-up for Spurious Emissions (9kHz-30MHz)



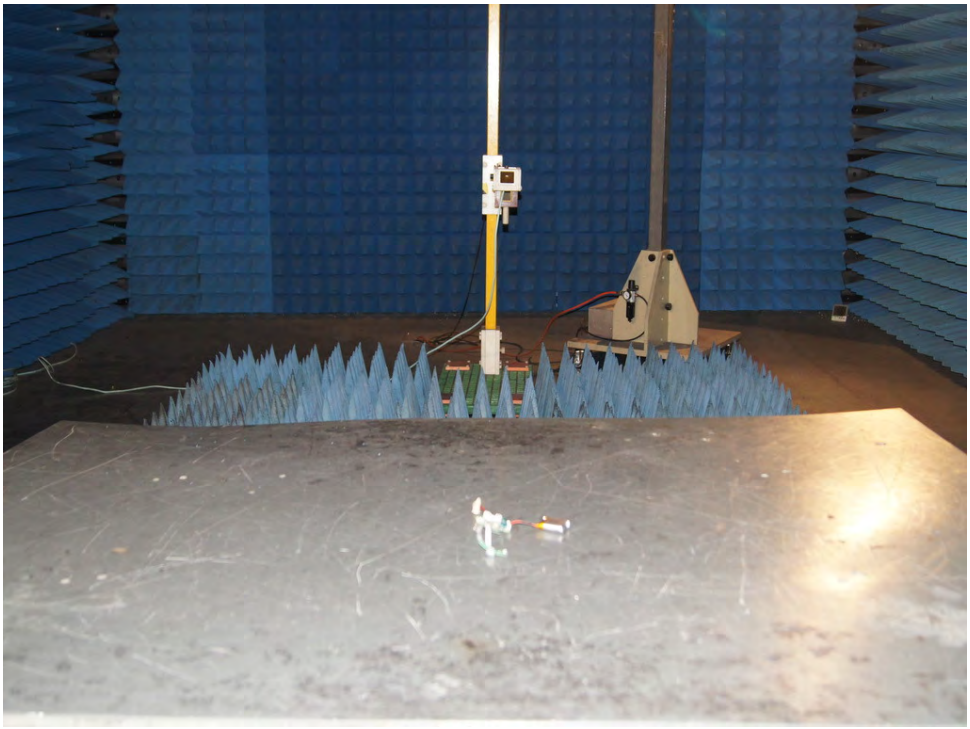
Photograph 2: Set-up for Spurious Emissions (30MHz-1GHz)



Photograph 3: Set-up for Spurious Emissions (1GHz-18GHz)

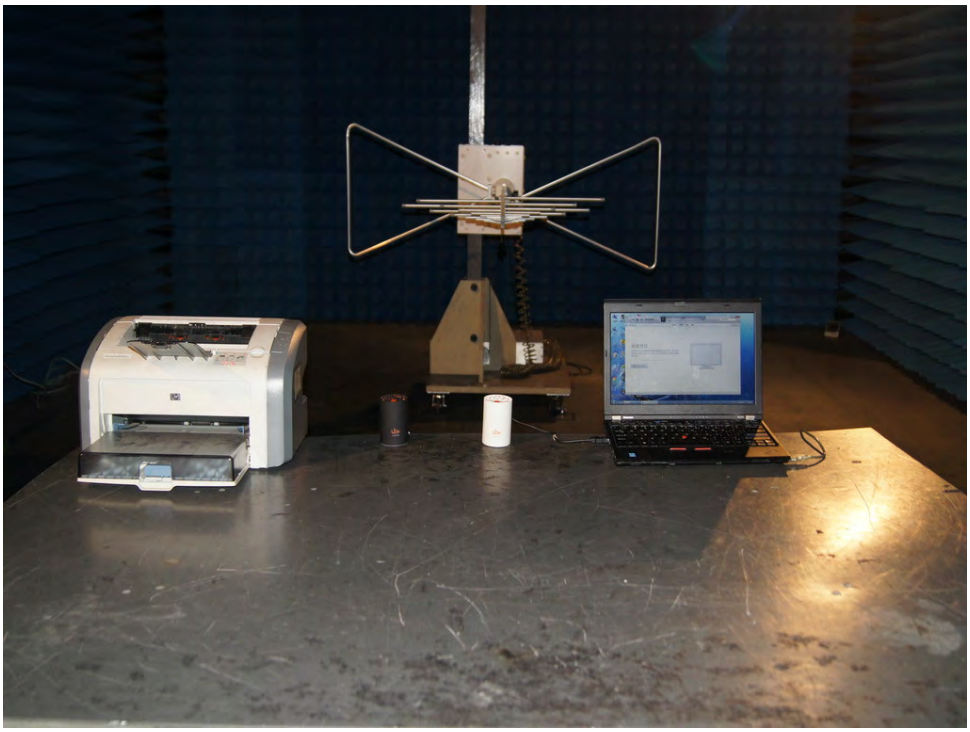


Photograph 4: Set-up for Spurious Emissions (18GHz-26GHz)



Photograph 5: Set-up for Conducted Emissions

Photograph 6: Set-up for Radiated Emissions, below 1GHz



Photograph 7: Set-up for Radiated Emissions, above 1GHz

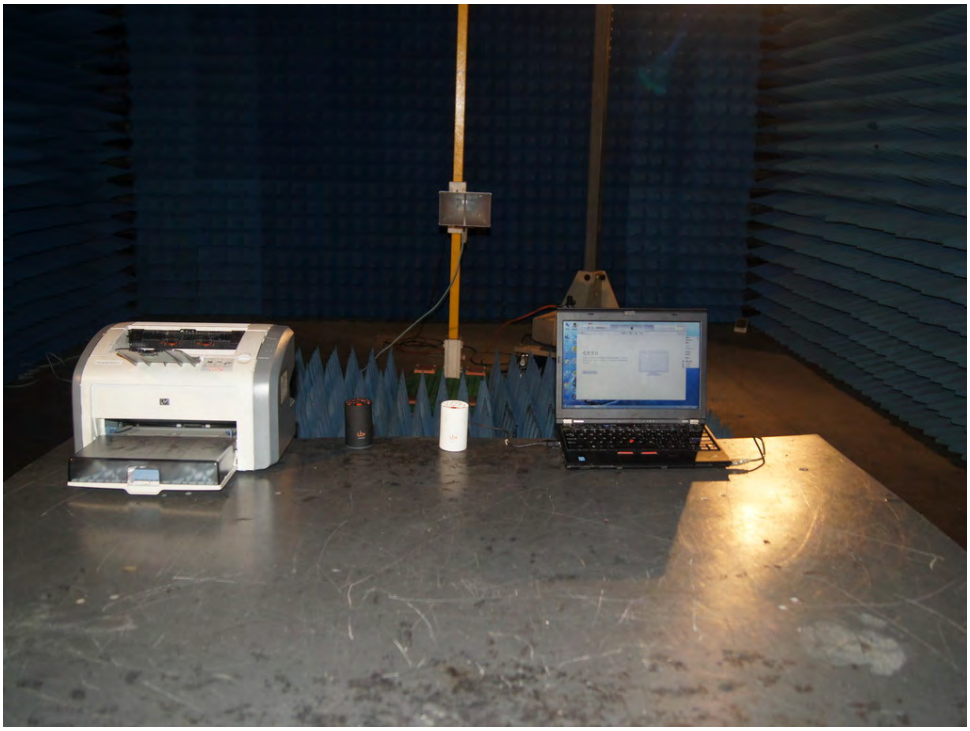


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Figure 1: Test figure of spurious emissions, mode A.1, Horizontal polarity (9kHz – 30MHz)

ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3m Radiated

```
EUT:                 Bluetooth Wireless Speaker M/N:EUPHO
Manufacturer:        TGI Technology Pte. Ltd.
Operating Condition: TX 2402MHz
Test Site:           1#Shielding Room
Operator:            LAN
Test Specification:  DC 3.7V
Comment:             X
Start of Test:       2014-12-31 /
```

SCAN TABLE: "LFRE Fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	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

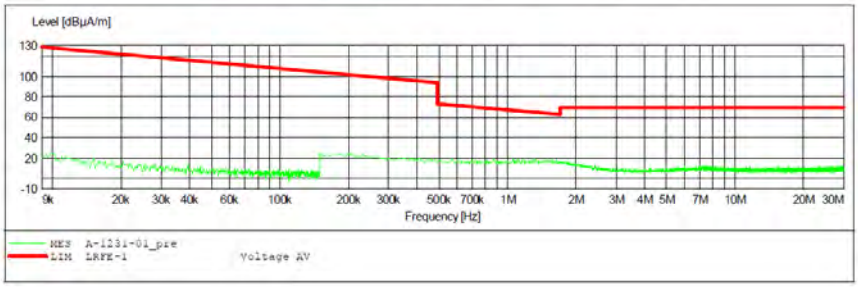


Figure 2: Test figure of spurious emissions, mode A.1, Vertical polarity (9kHz – 30MHz)

ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3m Radiated

```
EUT:                 Bluetooth Wireless Speaker M/N:EUPHO
Manufacturer:        TGI Technology Pte. Ltd.
Operating Condition: TX 2402MHz
Test Site:           1#Shielding Room
Operator:            LAN
Test Specification:  DC 3.7V
Comment:             Y
Start of Test:       2014-12-31 /
```

SCAN TABLE: "LFRE Fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	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

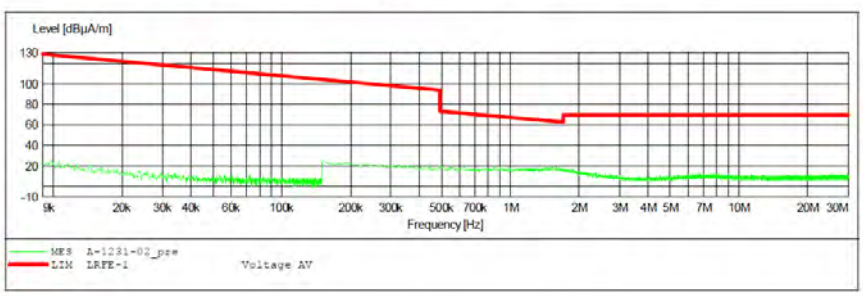


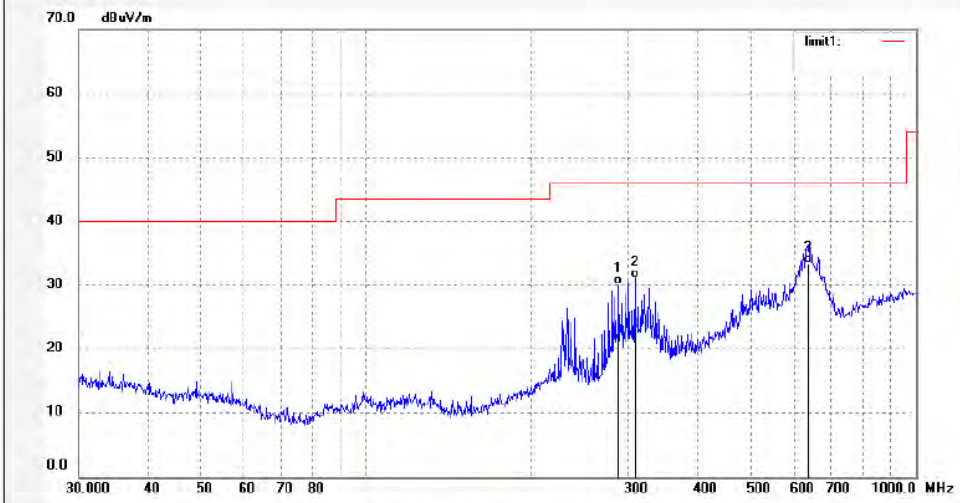
Figure 3: Test figure of spurious emissions, mode A.1, Horizontal polarity (30MHz – 1GHz)

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

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

Job No.: Ian2014 #1961	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/27/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	287.9904	39.63	-9.61	30.02	46.00	-15.98	QP			
2	307.8312	40.24	-9.09	31.15	46.00	-14.85	QP			
3	636.1340	35.88	-2.56	33.32	46.00	-12.68	QP			

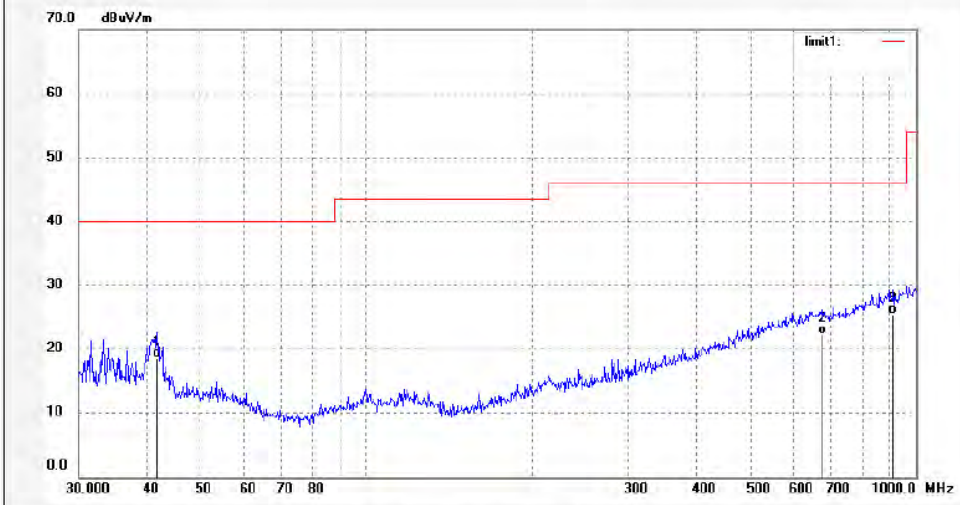
Figure 4: Test figure of spurious emissions, mode A.1, Vertical polarity (30MHz – 1GHz)

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

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

Job No.: Ian2014 #1962	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/27/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	41.7129	30.63	-11.92	18.71	40.00	-21.29	QP			
2	677.5797	24.27	-2.04	22.23	46.00	-23.77	QP			
3	909.6666	24.04	1.34	25.38	46.00	-20.62	QP			

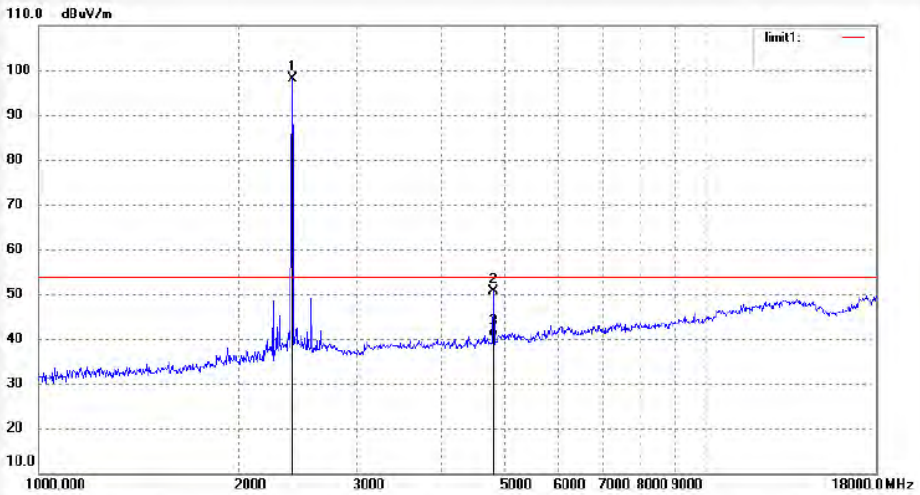
Figure 5: Test figure of spurious emissions, mode A.1, Horizontal polarity (1GHz –18GHz)

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

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

Job No.: LAN2014 #1413	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/12/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	105.70	-7.45	98.25	/	/	peak			
2	4804.012	51.04	-0.30	50.74	74.00	-23.26	peak			
3	4804.012	40.79	-0.30	40.49	54.00	-13.51	AVG			

Figure 6: Test figure of spurious emissions, mode A.1, Vertical polarity (1GHz – 18GHz)

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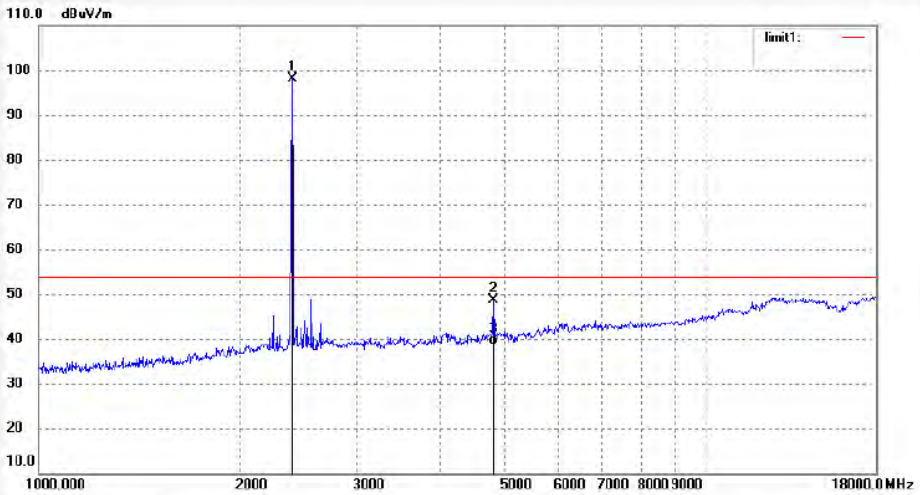
ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LAN2014 #1412	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/12/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	105.70	-7.45	98.25	/	/	peak			
2	4804.010	48.88	-0.30	48.58	74.00	-25.42	peak			
3	4804.010	39.05	-0.30	38.75	54.00	-15.25	AVG			

Figure 7: Test figure of spurious emissions, mode A.1, Horizontal polarity (18GHz –25GHz)

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Site: 2# Chamber
Tel:+86-0755-26503290
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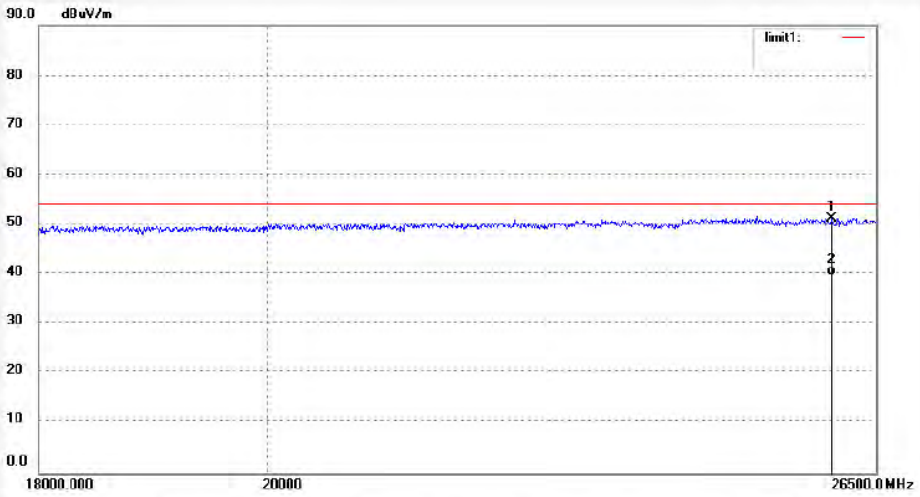
Job No.: LAN #3855	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/29/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25962.307	34.04	17.26	51.30	74.00	-22.70	peak			
2	25962.307	22.45	17.26	39.71	54.00	-14.29	AVG			

Figure 8: Test figure of spurious emissions, mode A.1, Vertical polarity (18GHz – 25GHz)

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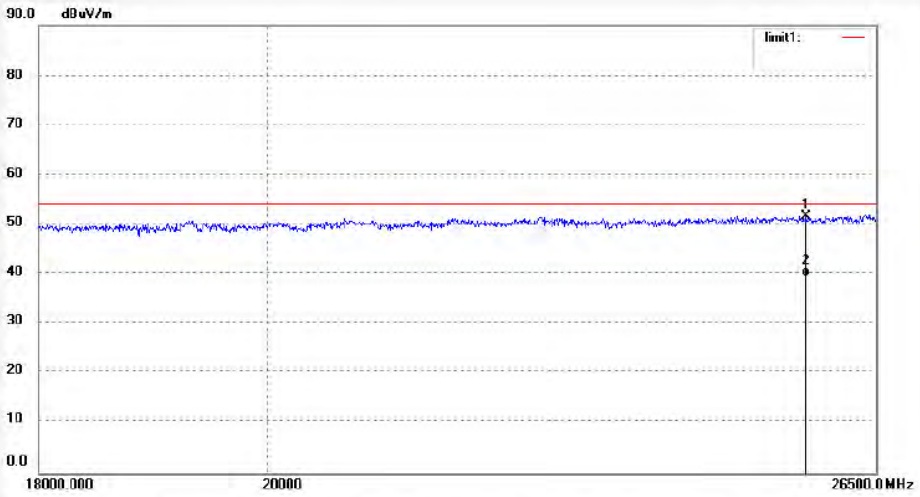
Job No.: LAN #3854	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/29/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25662.803	34.11	17.46	51.57	74.00	-22.43	peak			
2	25662.803	22.12	17.46	39.58	54.00	-14.42	AVG			

Figure 9: Test figure of spurious emissions, mode A.2, Horizontal polarity (9kHz – 30MHz)

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FCC Class B 3m Radiated

```
EUT:                  Bluetooth Wireless Speaker M/N:EUPHO
Manufacturer:         TGI Technology Pte. Ltd.
Operating Condition:  TX 2441MHz
Test Site:            1#Shielding Room
Operator:             LAN
Test Specification:   DC 3.7V
Comment:              X
Start of Test:        2014-12-31 /
```

SCAN TABLE: "LFRE Fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	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

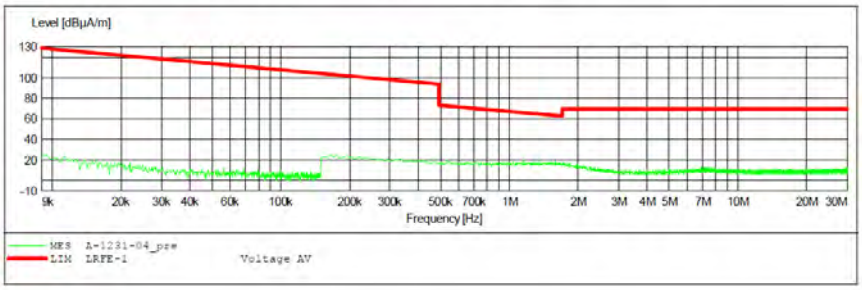

Figure 10: Test figure of spurious emissions, mode A.2, Vertical polarity (9kHz – 30MHz)

ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3m Radiated

```
EUT:                  Bluetooth Wireless Speaker M/N:EUPHO
Manufacturer:         TGI Technology Pte. Ltd.
Operating Condition:  TX 2441MHz
Test Site:            1#Shielding Room
Operator:             LAN
Test Specification:   DC 3.7V
Comment:              Y
Start of Test:        2014-12-31 /
```

SCAN TABLE: "LFRE Fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	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

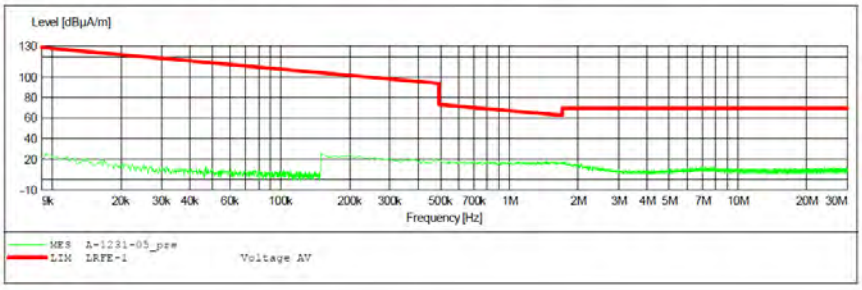

Figure 11: Test figure of spurious emissions, mode A.2, Horizontal polarity (30MHz – 1GHz)

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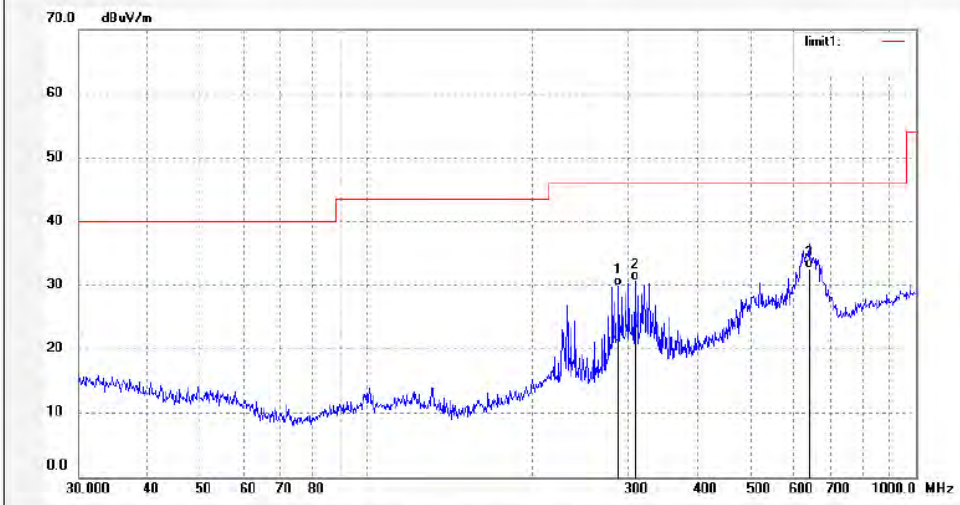
Job No.: Ian2014 #1964	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/27/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2441MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	287.9904	39.49	-9.61	29.88	46.00	-16.12	QP			
2	307.8312	39.88	-9.09	30.79	46.00	-15.21	QP			
3	638.3686	35.11	-2.54	32.57	46.00	-13.43	QP			

Figure 12: Test figure of spurious emissions, mode A.2, Vertical polarity (30MHz – 1GHz)

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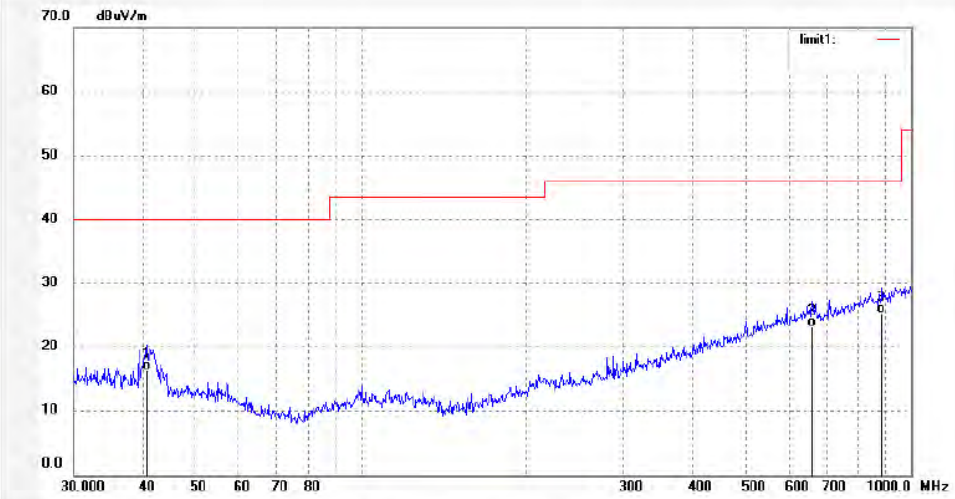
Job No.: Ian2014 #1963	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/27/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2441MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	40.7014	28.04	-11.70	16.34	40.00	-23.66	QP			
2	661.1504	25.49	-2.24	23.25	46.00	-22.75	QP			
3	884.5028	24.15	1.20	25.35	46.00	-20.65	QP			

Figure 13: Test figure of spurious emissions, mode A.2, Horizontal polarity (1GHz – 18GHz)

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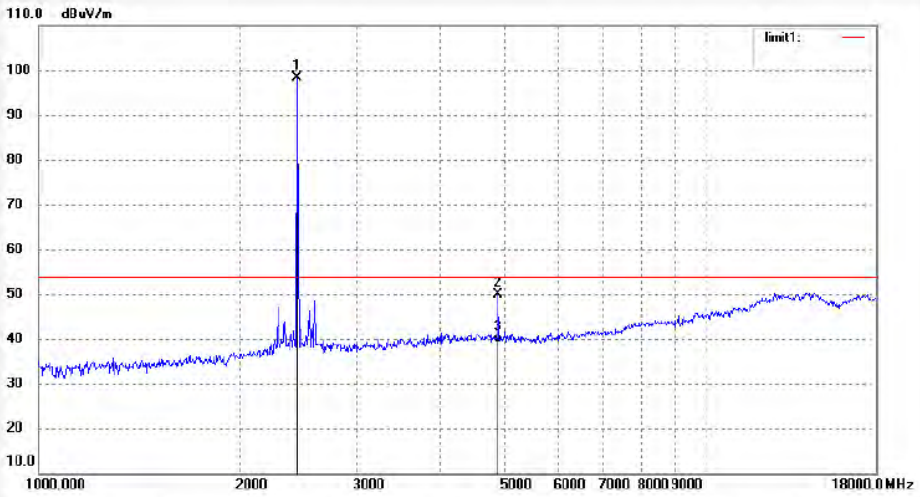
Job No.: LAN2014 #1417	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/12/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2441MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2441.000	105.69	-7.35	98.34	/	/	peak			
2	4882.023	49.81	0.14	49.95	74.00	-24.05	peak			
3	4882.023	39.01	0.14	39.15	54.00	-14.85	AVG			

Figure 14: Test figure of spurious emissions, mode A.2, Vertical polarity (1GHz – 18GHz)

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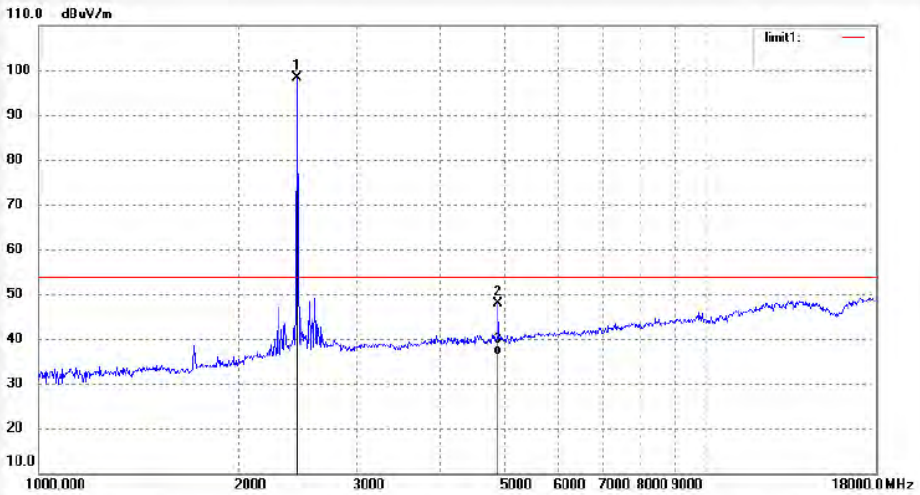
Job No.: LAN2014 #1416	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/12/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2441MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2441.000	105.69	-7.35	98.34	/	/	peak			
2	4882.021	47.62	0.14	47.76	74.00	-26.24	peak			
3	4882.021	36.13	0.14	36.27	54.00	-17.73	AVG			

Figure 15: Test figure of spurious emissions, mode A.2, Horizontal polarity (18GHz – 25GHz)

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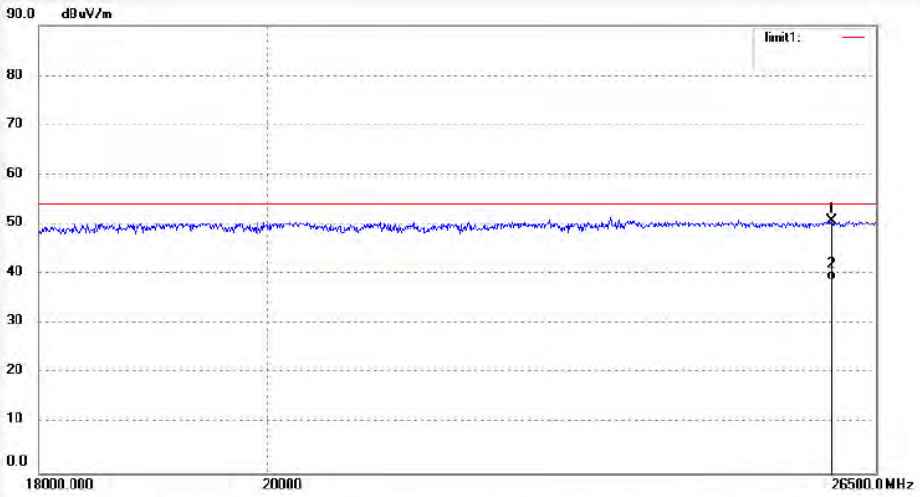
Job No.: LAN #3856	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/29/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2441MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25962.307	33.39	17.26	50.65	74.00	-23.35	peak			
2	25962.307	21.45	17.26	38.71	54.00	-15.29	AVG			

Figure 16: Test figure of spurious emissions, mode A.2, Vertical polarity (18GHz – 25GHz)

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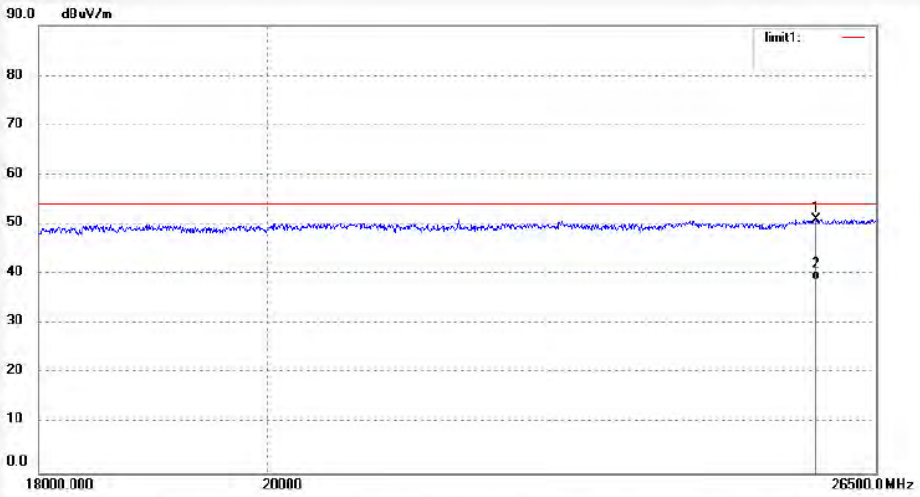
Job No.: LAN #3857	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/29/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2441MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25782.188	33.62	17.38	51.00	74.00	-23.00	peak			
2	25782.188	21.38	17.38	38.76	54.00	-15.24	AVG			

Figure 17: Test figure of spurious emissions, mode A.3, Horizontal polarity (9kHz – 30MHz)

ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3m Radiated

```
EUT:                Bluetooth Wireless Speaker M/N:EUPHO
Manufacturer:       TGI Technology Pte. Ltd.
Operating Condition: TX 2480MHz
Test Site:          1#Shielding Room
Operator:           LAN
Test Specification: DC 3.7V
Comment:            X
Start of Test:      2014-12-31 /
```

SCAN TABLE: "LFRE Fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	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

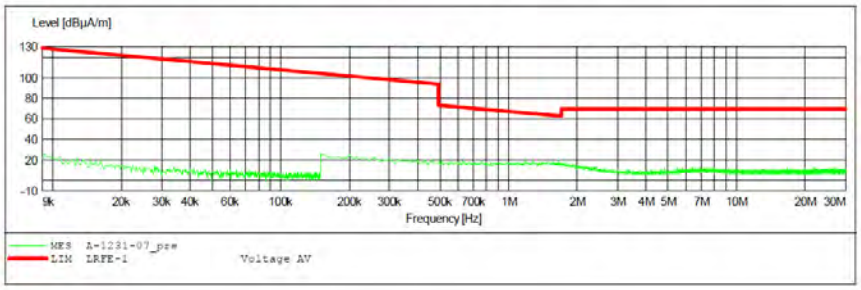


Figure 18: Test figure of spurious emissions, mode A.3, Vertical polarity (9kHz – 30MHz)

ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3m Radiated

```
EUT:                Bluetooth Wireless Speaker M/N:EUPHO
Manufacturer:       TGI Technology Pte. Ltd.
Operating Condition: TX 2480MHz
Test Site:          1#Shielding Room
Operator:           LAN
Test Specification: DC 3.7V
Comment:            Y
Start of Test:      2014-12-31 /
```

SCAN TABLE: "LFRE Fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	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

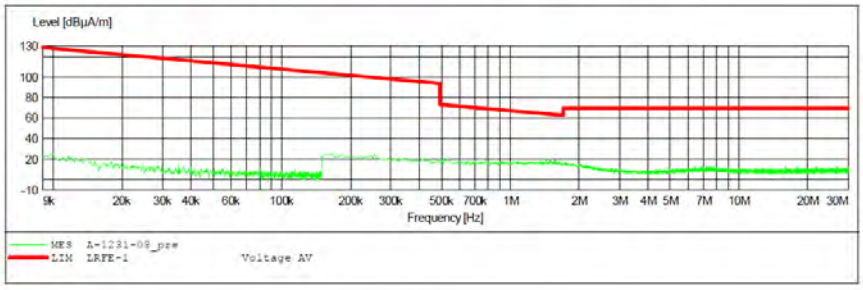


Figure 19: Test figure of spurious emissions, mode A.3, Horizontal polarity (30MHz – 1GHz)

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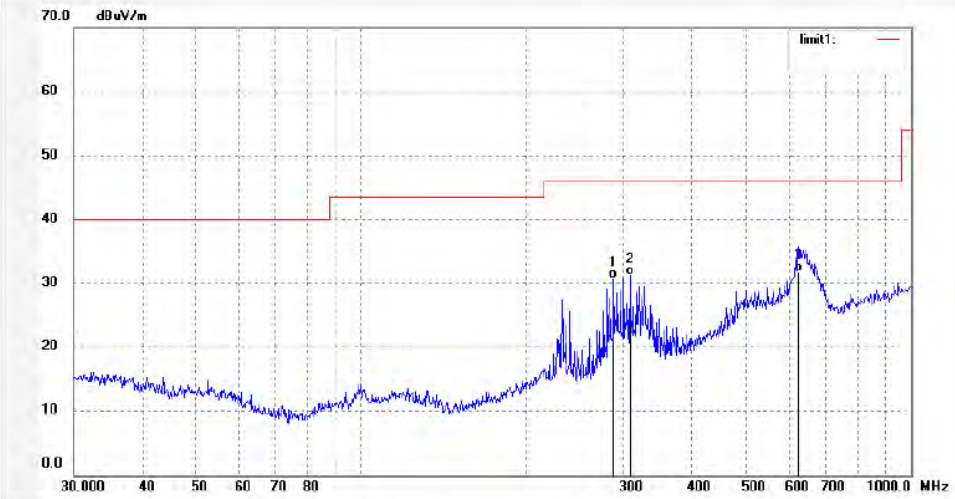
Job No.: Ian2014 #1965	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/27/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	287.9904	40.25	-9.61	30.64	46.00	-15.36	QP			
2	307.8312	40.27	-9.09	31.18	46.00	-14.82	QP			
3	625.0778	34.45	-2.61	31.84	46.00	-14.16	QP			

Figure 20: Test figure of spurious emissions, mode A.3, Vertical polarity (30MHz – 1GHz)

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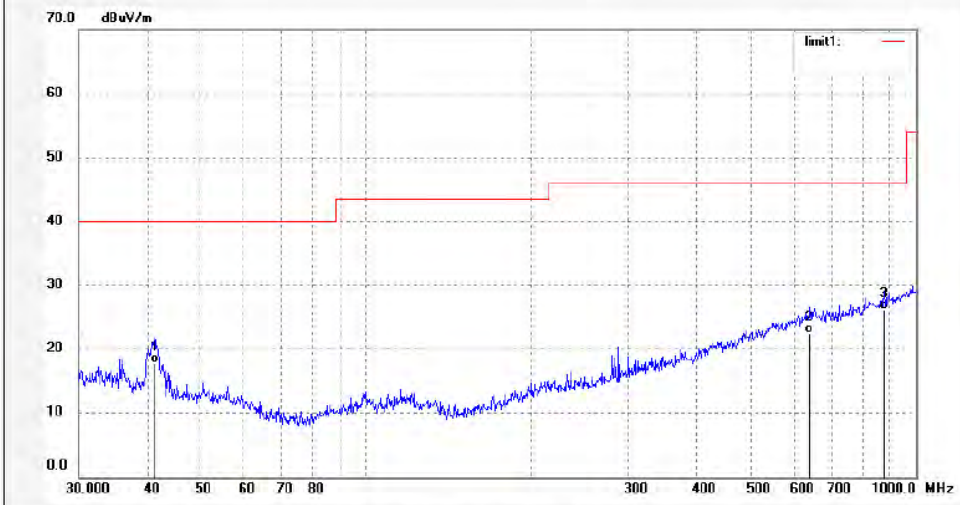
Job No.: Ian2014 #1966	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/27/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	41.2764	29.65	-11.82	17.83	40.00	-22.17	QP			
2	640.6109	24.96	-2.53	22.43	46.00	-23.57	QP			
3	875.2468	24.98	1.11	26.09	46.00	-19.91	QP			

Figure 21: Test figure of spurious emissions, mode A.3, Horizontal polarity (1GHz –18GHz)

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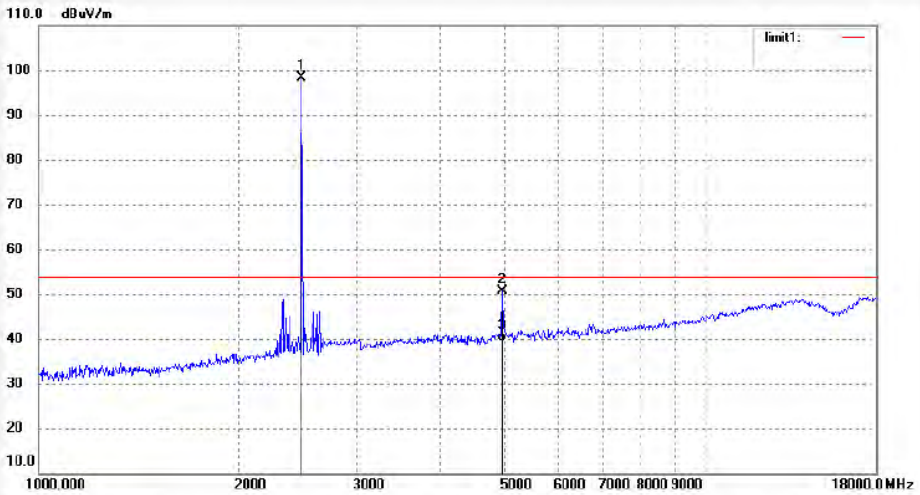
Job No.: LAN2014 #1418	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/12/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	105.76	-7.37	98.39	/	/	peak			
2	4960.007	50.17	0.52	50.69	74.00	-23.31	peak			
3	4960.007	38.94	0.52	39.46	54.00	-14.54	AVG			

Figure 22: Test figure of spurious emissions, mode A.3, Vertical polarity (1GHz – 18GHz)

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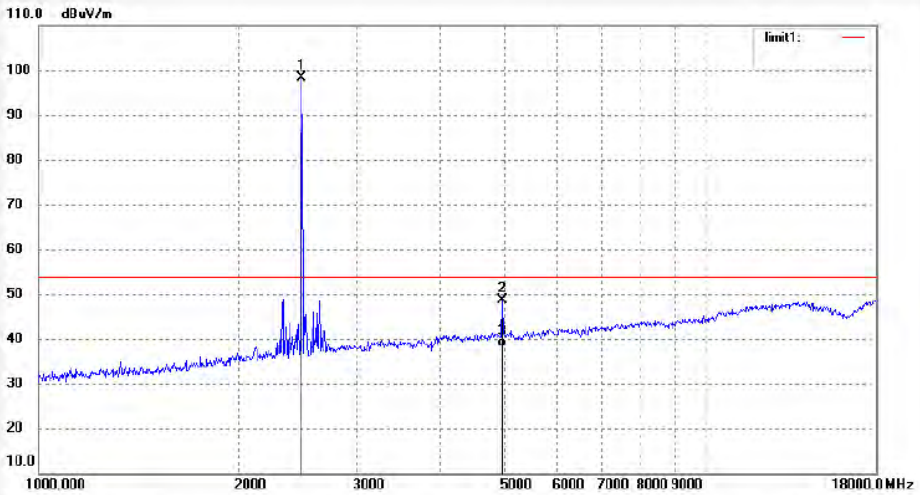
Job No.: LAN2014 #1419	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/12/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	105.76	-7.37	98.39	/	/	peak			
2	4960.031	48.12	0.52	48.64	74.00	-25.36	peak			
3	4960.031	37.64	0.52	38.16	54.00	-15.84	AVG			

Figure 23: Test figure of spurious emissions, mode A.3, Horizontal polarity (18GHz –25GHz)

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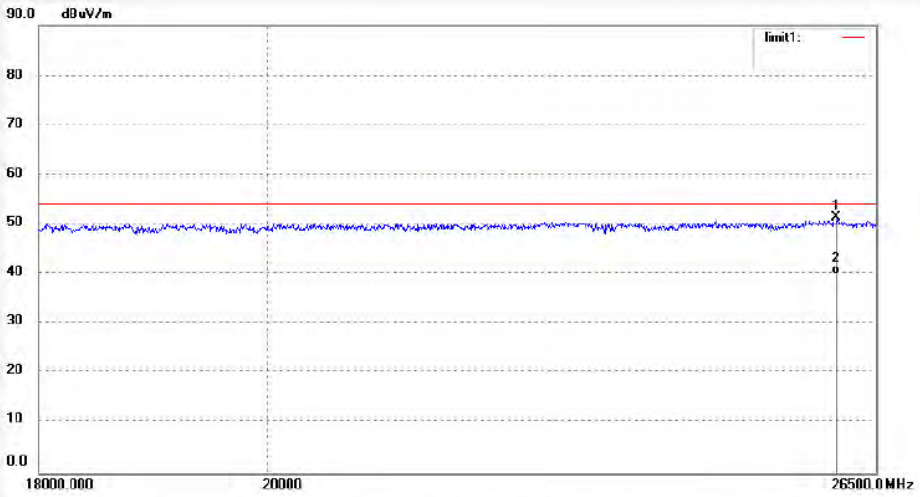
Job No.: LAN #3859	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/29/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26022.626	34.15	17.22	51.37	74.00	-22.63	peak			
2	26022.626	22.74	17.22	39.96	54.00	-14.04	AVG			

Figure 24: Test figure of spurious emissions, mode A.3, Vertical polarity (18GHz – 25GHz)

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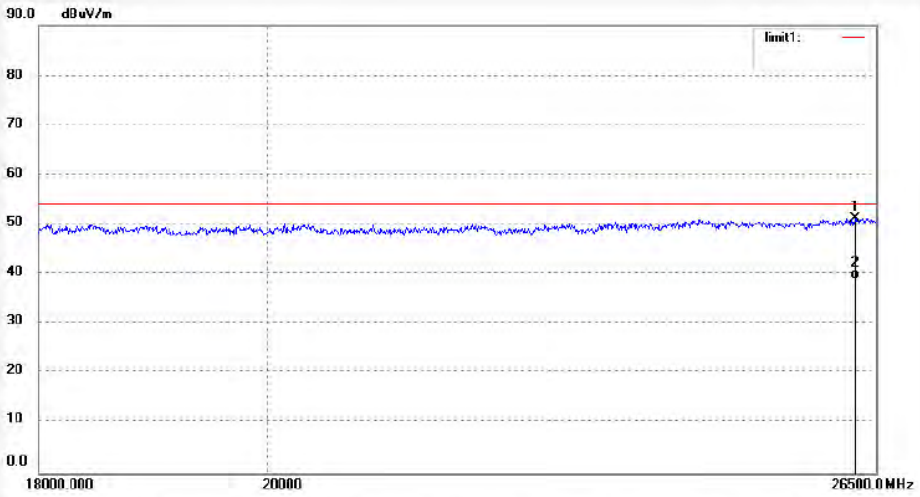
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LAN #3858	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/29/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26244.998	34.23	17.07	51.30	74.00	-22.70	peak			
2	26244.998	21.97	17.07	39.04	54.00	-14.96	AVG			

Figure 25: Test figure of spurious emissions, mode B.1, Horizontal polarity (9kHz – 30MHz)

ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3m Radiated

```
EUT:                    Bluetooth Wireless Speaker M/N:EUPHO
Manufacturer:           TGI Technology Pte. Ltd.
Operating Condition:    TX 2402MHz
Test Site:              1#Shielding Room
Operator:               LAN
Test Specification:     DC 3.7V
Comment:                X
Start of Test:          2014-12-31 /
```

SCAN TABLE: "LFRE Fin"

```
  Short Description:                 _SUB_STD_VTERM2 1.70
  Start      Stop       Step        Detector  Meas.     IF       Transducer
  Frequency  Frequency  Width                 Time      Bandw.
  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
```

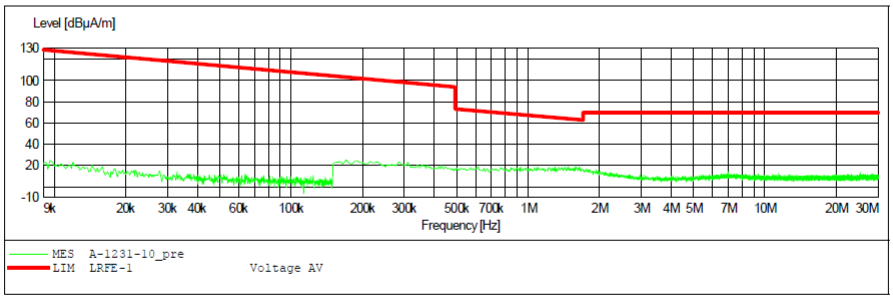


Figure 26: Test figure of spurious emissions, mode B.1, Vertical polarity (9kHz – 30MHz)

ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3m Radiated

```
EUT:                  Bluetooth Wireless Speaker M/N:EUPHO
Manufacturer:         TGI Technology Pte. Ltd.
Operating Condition:  TX 2402MHz
Test Site:            1#Shielding Room
Operator:             LAN
Test Specification:   DC 3.7V
Comment:              Y
Start of Test:        2014-12-31 /
```

SCAN TABLE: "LFRE Fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	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

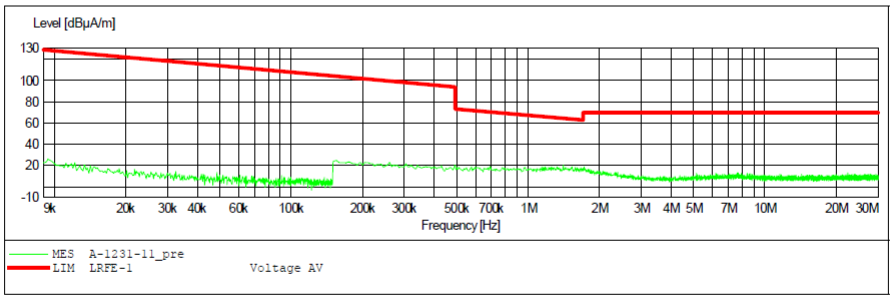


Figure 27: Test figure of spurious emissions, mode B.1, Horizontal polarity (30MHz – 1GHz)

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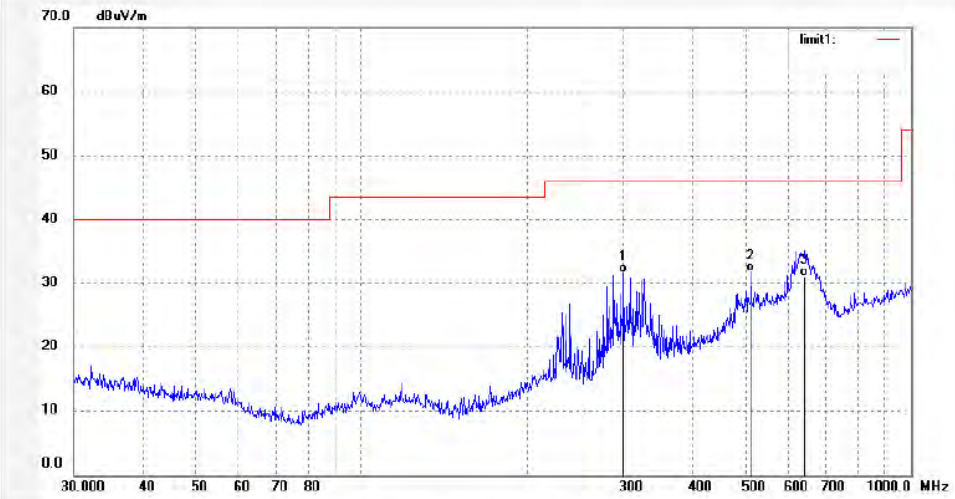
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Ian2014 #1968	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/27/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	300.3672	40.86	-9.29	31.57	46.00	-14.43	QP			
2	511.8351	36.34	-4.53	31.81	46.00	-14.19	QP			
3	640.6109	33.60	-2.53	31.07	46.00	-14.93	QP			

Figure 28: Test figure of spurious emissions, mode B.1, Vertical polarity (30MHz – 1GHz)

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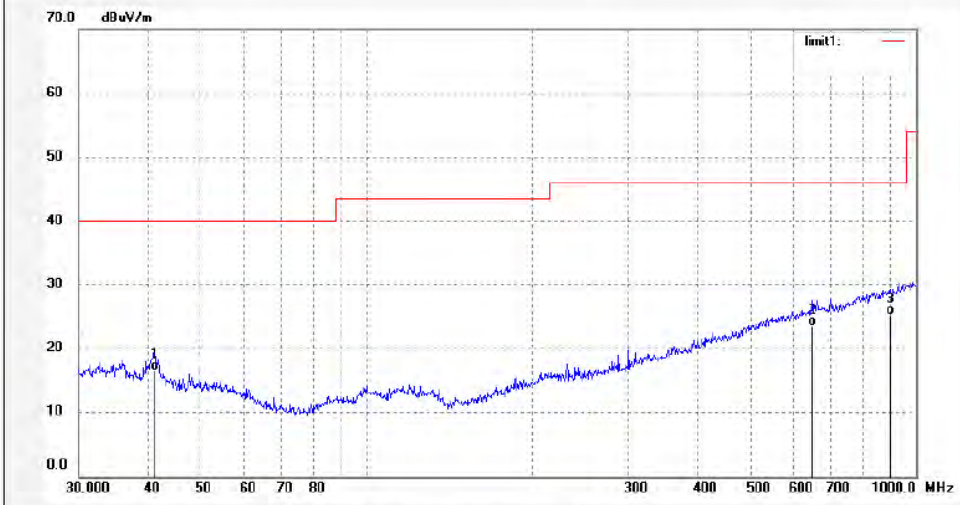
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Ian2014 #1967	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/27/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	41.2764	28.40	-11.82	16.58	40.00	-23.42	QP			
2	649.6597	25.99	-2.45	23.54	46.00	-22.46	QP			
3	900.1473	24.02	1.28	25.30	46.00	-20.70	QP			

Figure 29: Test figure of spurious emissions, mode B.1, Horizontal polarity (1GHz –18GHz)

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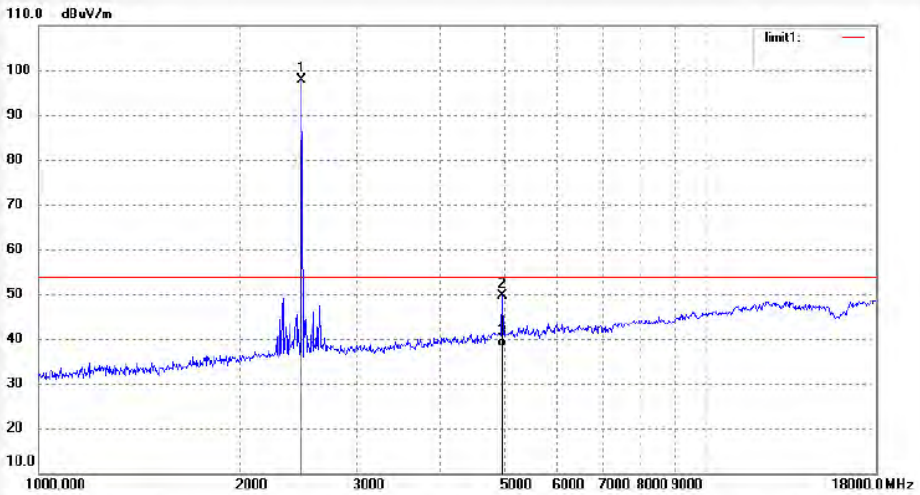
Fax:+86-0755-26503396

Job No.: LAN2014 #1422	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/12/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	105.26	-7.37	97.89	/	/	peak			
2	4804.033	49.19	0.52	49.71	74.00	-24.29	peak			
3	4804.033	37.65	0.52	38.17	54.00	-15.83	AVG			

Figure 30: Test figure of spurious emissions, mode B.1, Vertical polarity (1GHz – 18GHz)

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Tel:+86-0755-26503290
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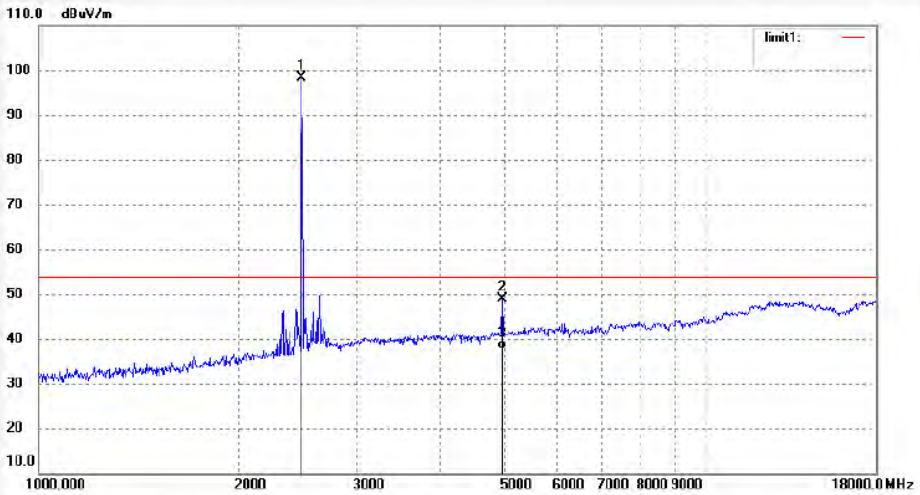
Job No.: LAN2014 #1423	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/12/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	105.76	-7.37	98.39	/	/	peak			
2	4804.013	48.31	0.52	48.83	74.00	-25.17	peak			
3	4804.013	37.13	0.52	37.65	54.00	-16.35	AVG			

Figure 31: Test figure of spurious emissions, mode B.1, Horizontal polarity (18GHz –25GHz)

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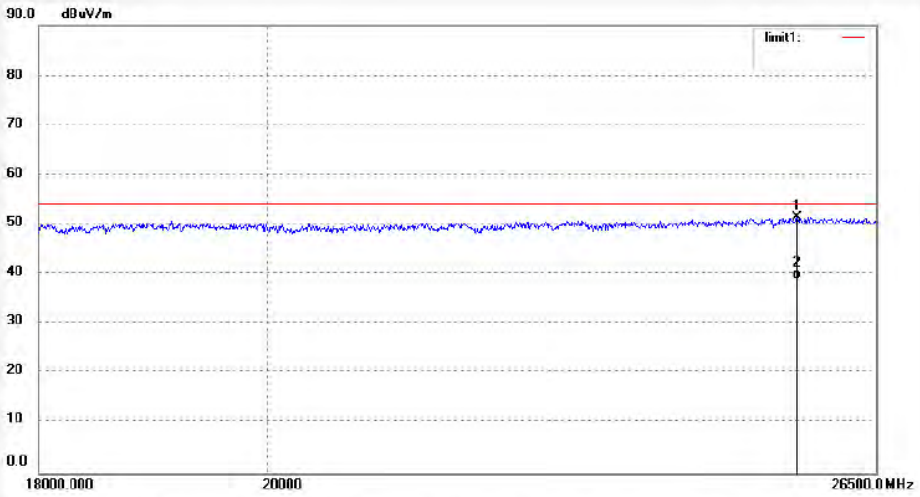
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LAN #3860	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/29/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25553.852	33.95	17.53	51.48	74.00	-22.52	peak			
2	25553.852	21.51	17.53	39.04	54.00	-14.96	AVG			

Figure 32: Test figure of spurious emissions, mode B.1, Vertical polarity (18GHz – 25GHz)

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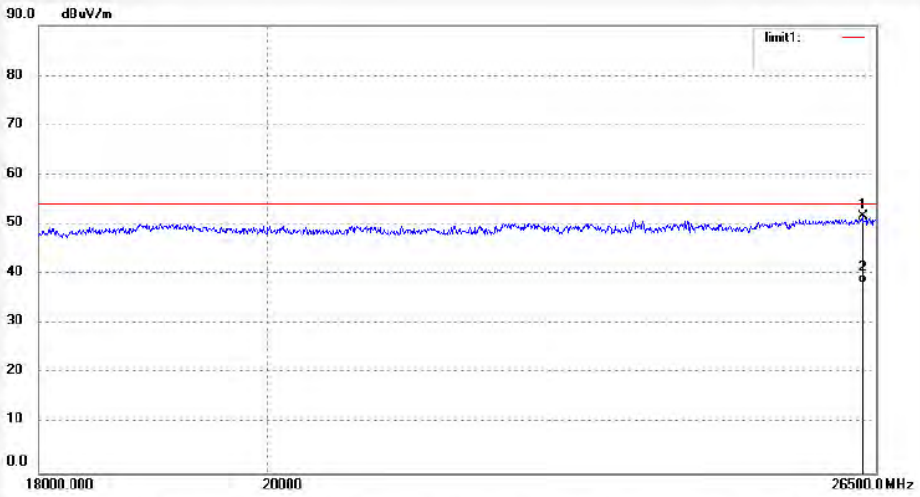
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LAN #3861	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/29/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26336.515	34.53	17.01	51.54	74.00	-22.46	peak			
2	26336.515	21.07	17.01	38.08	54.00	-15.92	AVG			

Figure 33: Test figure of spurious emissions, mode B.2, Horizontal polarity (9kHz – 30MHz)

ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3m Radiated

```
EUT:                    Bluetooth Wireless Speaker M/N:EUPHO
Manufacturer:           TGI Technology Pte. Ltd.
Operating Condition:    TX 2440MHz
Test Site:              1#Shielding Room
Operator:               LAN
Test Specification:     DC 3.7V
Comment:                X
Start of Test:          2014-12-31 /
```

SCAN TABLE: "LFRE Fin"

```
  Short Description:                 _SUB_STD_VTERM2 1.70
  Start      Stop       Step        Detector  Meas.     IF       Transducer
  Frequency  Frequency  Width                 Time      Bandw.
  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
```

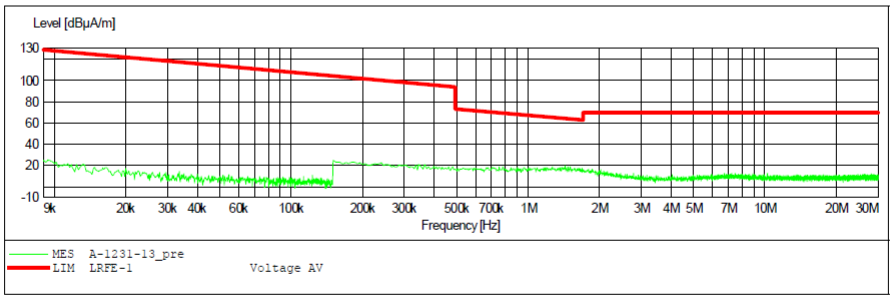


Figure 34: Test figure of spurious emissions, mode B.2, Vertical polarity (9kHz – 30MHz)

ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3m Radiated

```
EUT:                  Bluetooth Wireless Speaker M/N:EUPHO
Manufacturer:         TGI Technology Pte. Ltd.
Operating Condition:  TX 2440MHz
Test Site:            1#Shielding Room
Operator:             LAN
Test Specification:   DC 3.7V
Comment:              Y
Start of Test:        2014-12-31 /
```

SCAN TABLE: "LFRE Fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	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

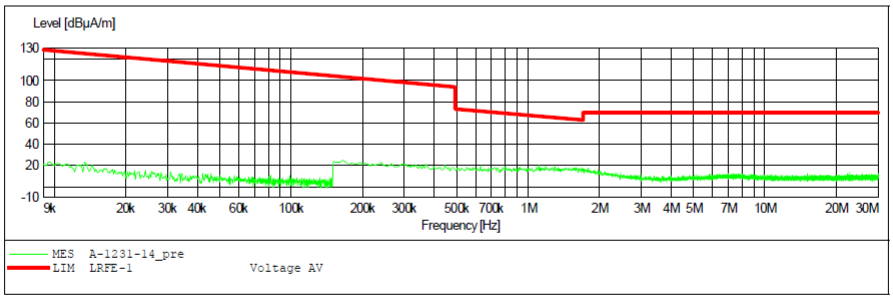


Figure 35: Test figure of spurious emissions, mode B.2, Horizontal polarity (30MHz – 1GHz)

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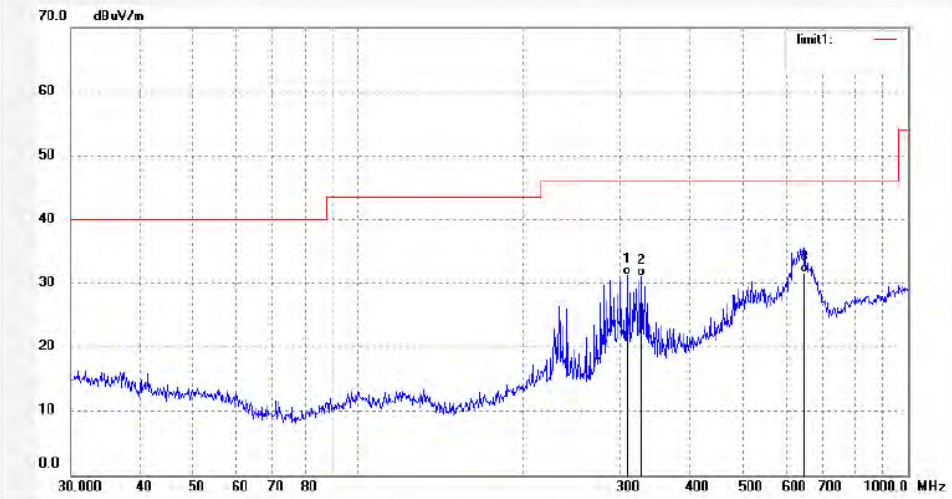
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Ian2014 #1969	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/27/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2440MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth 4.0



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	40.27	-9.09	31.18	46.00	-14.82	QP			
2	327.8872	39.58	-8.43	31.15	46.00	-14.85	QP			
3	649.6597	34.04	-2.45	31.59	46.00	-14.41	QP			

Figure 36: Test figure of spurious emissions, mode B.2, Vertical polarity (30MHz – 1GHz)

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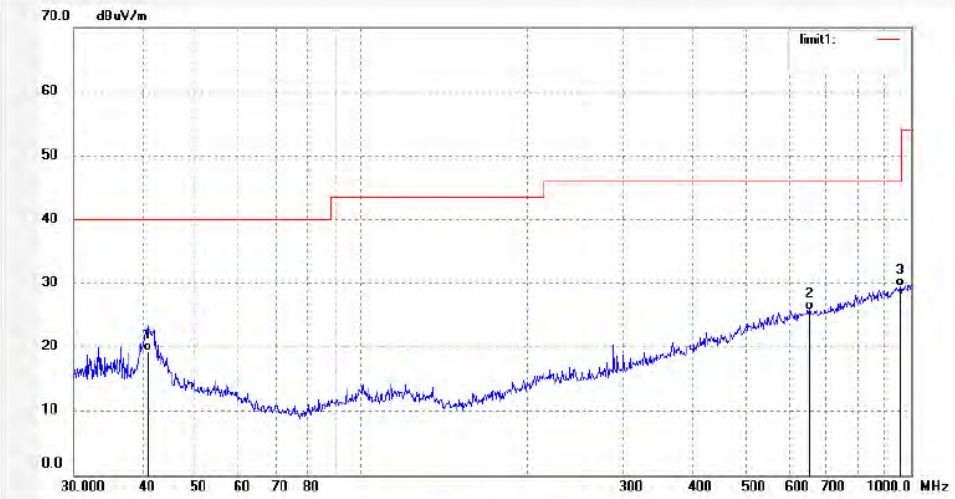
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: Ian2014 #1970	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/27/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2440MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	40.8445	31.07	-11.73	19.34	40.00	-20.66	QP			
2	654.2318	28.24	-2.34	25.90	46.00	-20.10	QP			
3	955.4380	27.16	2.29	29.45	46.00	-16.55	QP			

Figure 37: Test figure of spurious emissions, mode B.2, Horizontal polarity (1GHz – 18GHz)

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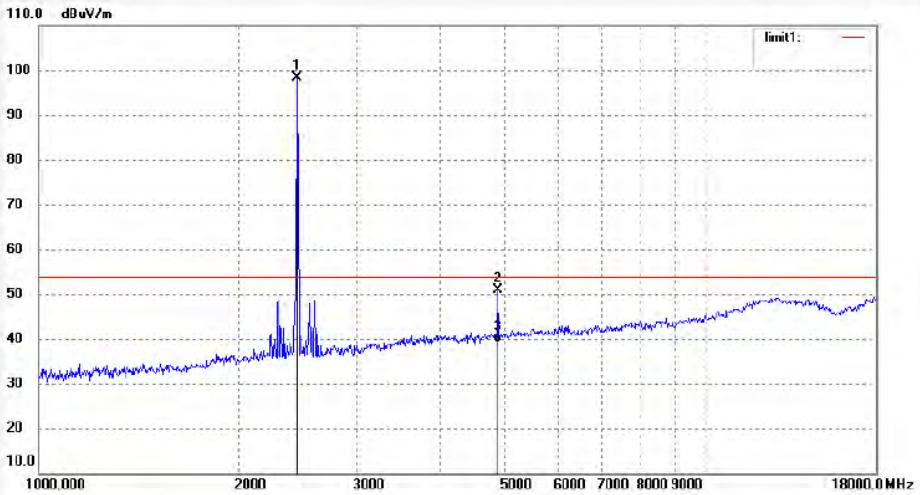
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LAN2014 #1426	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/12/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2440MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2440.000	105.71	-7.36	98.35	/	/	peak			
2	4880.042	50.84	0.13	50.97	74.00	-23.03	peak			
3	4880.042	38.92	0.13	39.05	54.00	-14.95	AVG			

Figure 38: Test figure of spurious emissions, mode B.2, Vertical polarity (1GHz – 18GHz)

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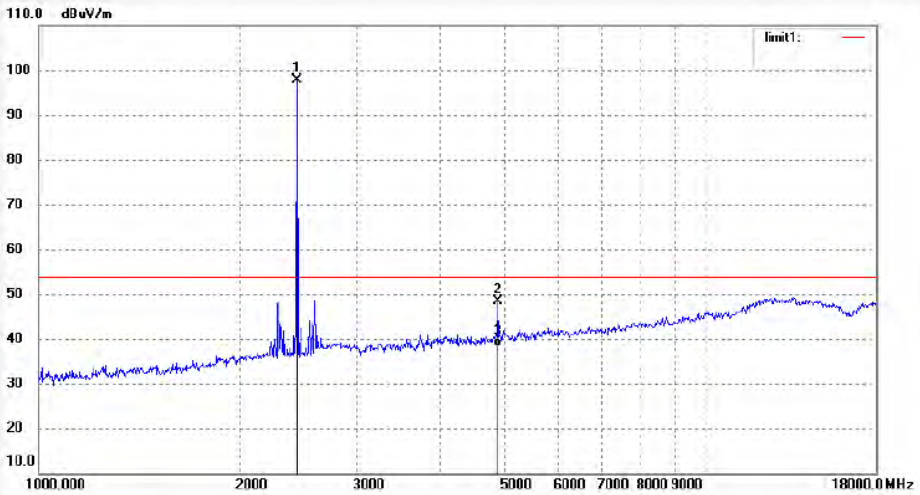
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LAN2014 #1427
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth Wireless Speaker
Mode: TX 2440MHz
Model: EUPHO
Manufacturer: TGI Technology Pte. Ltd.

Polarization: Vertical
Power Source: DC 3.7V
Date: 14/12/12/
Time:
Engineer Signature:
Distance: 3m

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2440.000	105.21	-7.36	97.85	/	/	peak			
2	4880.021	48.35	0.13	48.48	74.00	-25.52	peak			
3	4880.021	37.88	0.13	38.01	54.00	-15.99	AVG			

Figure 39: Test figure of spurious emissions, mode B.2, Horizontal polarity (18GHz – 25GHz)

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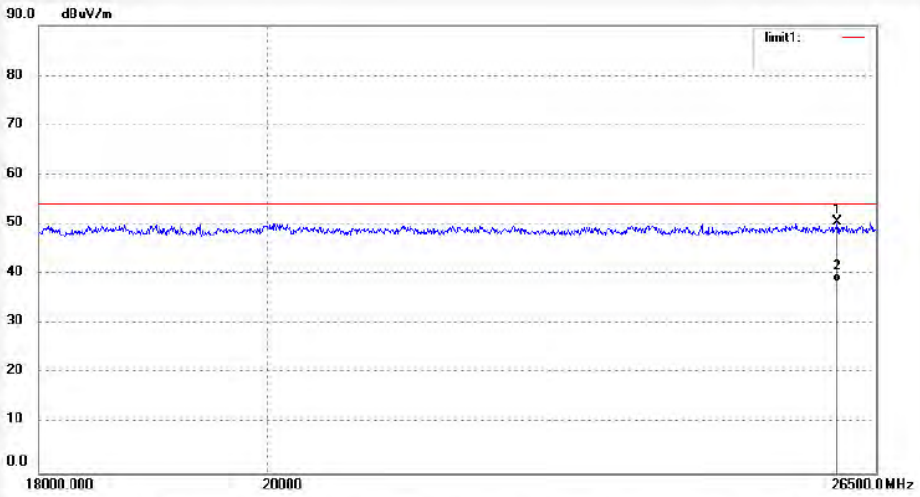
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LAN #3863	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/29/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2440MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26032.693	33.29	17.21	50.50	74.00	-23.50	peak			
2	26032.693	21.08	17.21	38.29	54.00	-15.71	AVG			

Figure 40: Test figure of spurious emissions, mode B.2, Vertical polarity (18GHz – 25GHz)

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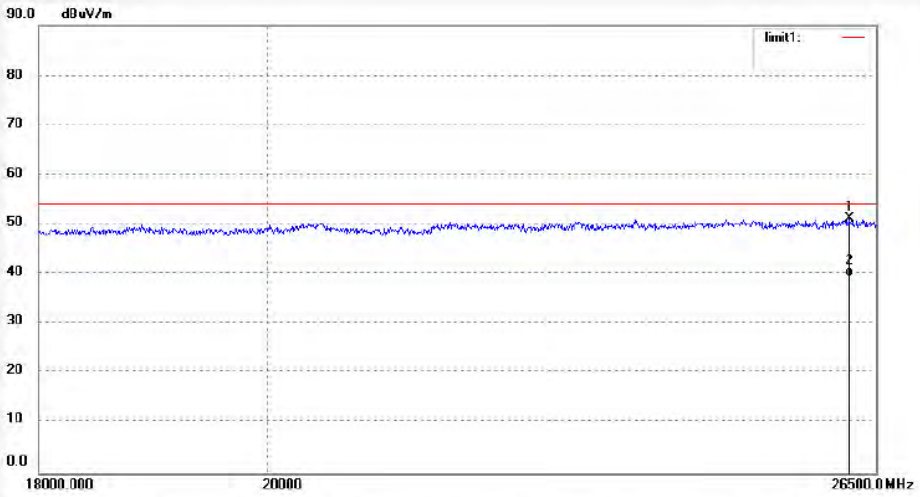
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LAN #3862	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/29/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2440MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26174.038	34.03	17.12	51.15	74.00	-22.85	peak			
2	26174.038	22.31	17.12	39.43	54.00	-14.57	AVG			

Figure 41: Test figure of spurious emissions, mode B.3, Horizontal polarity (9kHz – 30MHz)

ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3m Radiated

```
EUT:                    Bluetooth Wireless Speaker M/N:EUPHO
Manufacturer:           TGI Technology Pte. Ltd.
Operating Condition:    TX 2480MHz
Test Site:              1#Shielding Room
Operator:               LAN
Test Specification:     DC 3.7V
Comment:                X
Start of Test:          2014-12-31 /
```

SCAN TABLE: "LFRE Fin"

```
  Short Description:                 _SUB_STD_VTERM2 1.70
  Start      Stop       Step        Detector  Meas.     IF       Transducer
  Frequency  Frequency  Width                 Time      Bandw.
  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
```

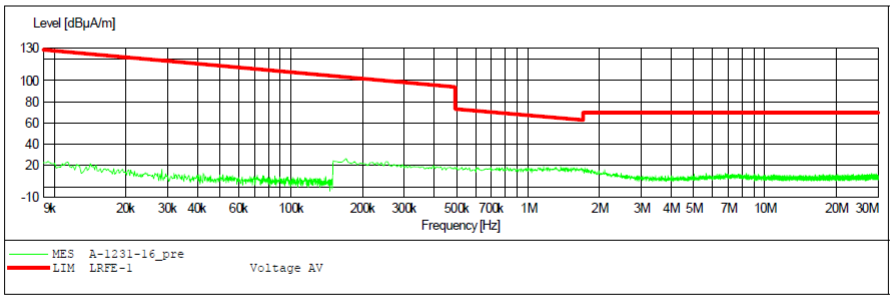


Figure 42: Test figure of spurious emissions, mode B.3, Vertical polarity (9kHz – 30MHz)

ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3m Radiated

```
EUT:                  Bluetooth Wireless Speaker M/N:EUPHO
Manufacturer:         TGI Technology Pte. Ltd.
Operating Condition:  TX 2480MHz
Test Site:            1#Shielding Room
Operator:             LAN
Test Specification:   DC 3.7V
Comment:              Y
Start of Test:        2014-12-31 /
```

SCAN TABLE: "LFRE Fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	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

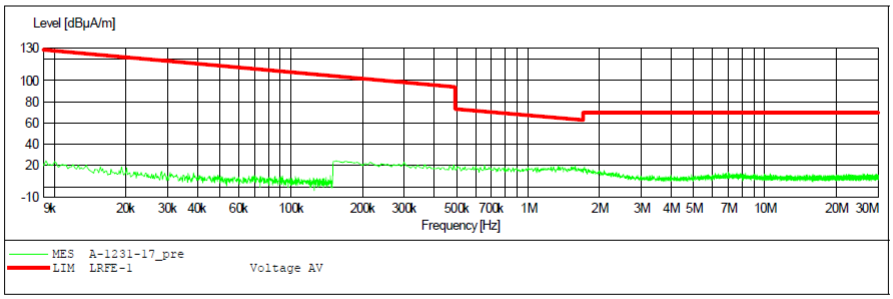


Figure 43: Test figure of spurious emissions, mode B.3, Horizontal polarity (30MHz – 1GHz)

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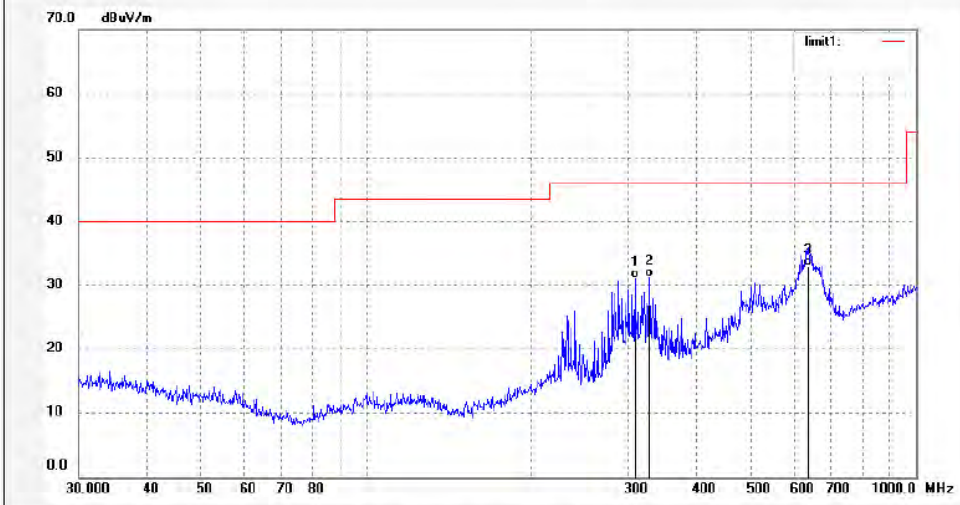
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Ian2014 #1972	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/27/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth 4.0



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	40.18	-9.09	31.09	46.00	-14.91	QP			
2	327.8872	39.60	-8.43	31.17	46.00	-14.83	QP			
3	636.1340	35.50	-2.56	32.94	46.00	-13.06	QP			

Figure 44: Test figure of spurious emissions, mode B.3, Vertical polarity (30MHz – 1GHz)

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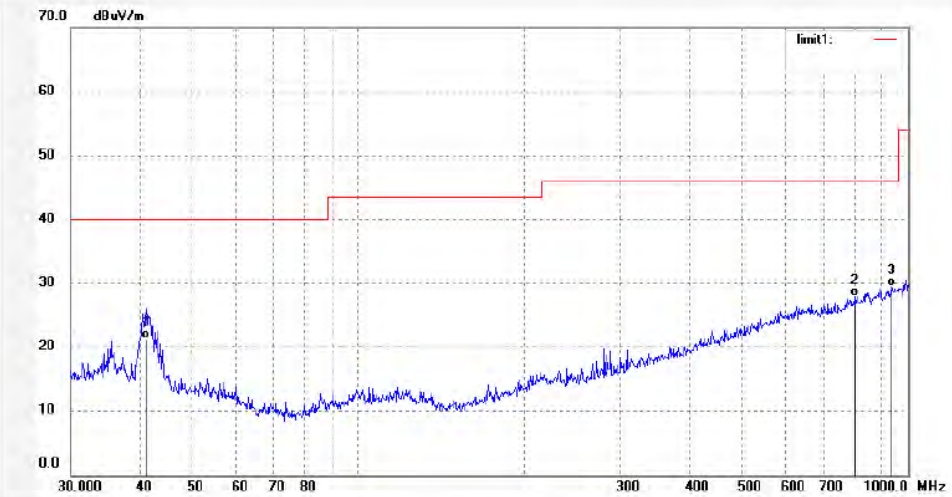
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Ian2014 #1971	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/27/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	41.1319	32.99	-11.79	21.20	40.00	-18.80	QP			
2	798.9796	27.89	0.02	27.91	46.00	-18.09	QP			
3	932.2714	27.57	1.85	29.42	46.00	-16.58	QP			

Figure 45: Test figure of spurious emissions, mode B.3, Horizontal polarity (1GHz –18GHz)

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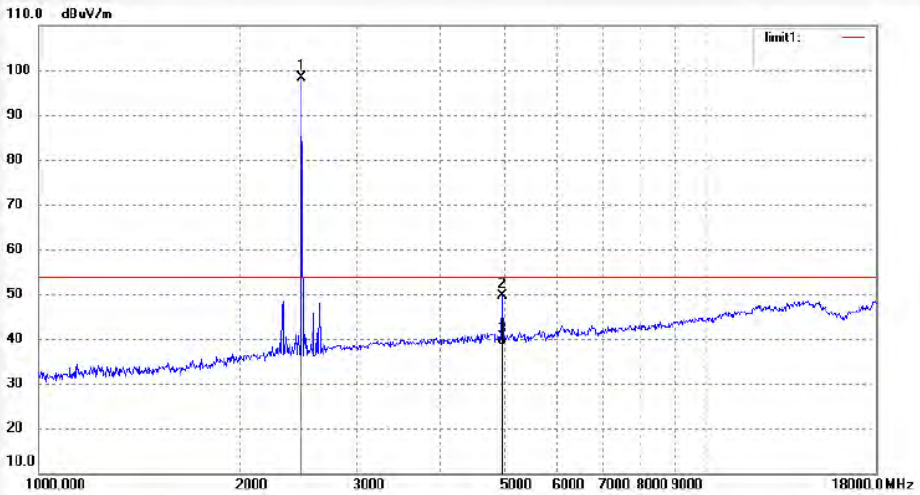
Fax:+86-0755-26503396

Job No.: LAN2014 #1429	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/12/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	105.76	-7.37	98.39	/	/	peak			
2	4960.024	49.08	0.52	49.60	74.00	-24.40	peak			
3	4960.024	37.99	0.52	38.51	54.00	-15.49	AVG			

Figure 46: Test figure of spurious emissions, mode B.3, Vertical polarity (1GHz – 18GHz)

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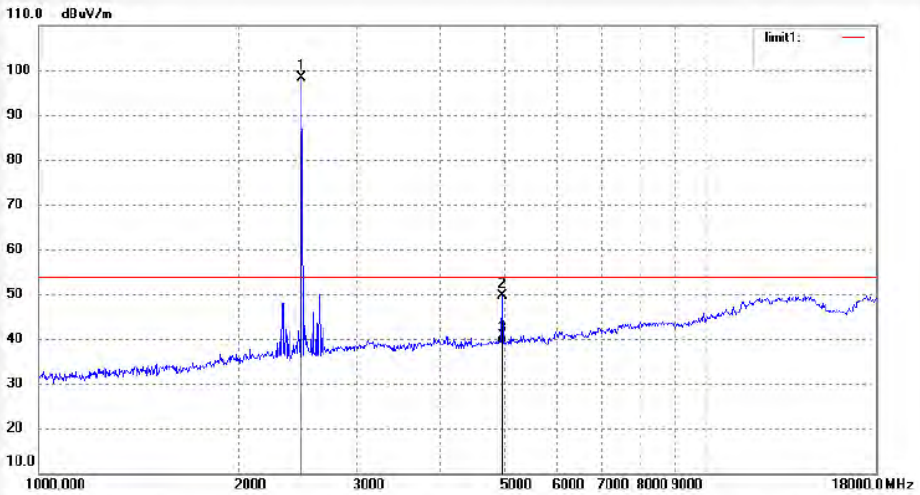
Job No.: LAN2014 #1428	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/12/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	105.76	-7.37	98.39	/	/	peak			
2	4960.036	49.03	0.52	49.55	74.00	-24.45	peak			
3	4960.036	38.26	0.52	38.78	54.00	-15.22	AVG			

Figure 47: Test figure of spurious emissions, mode B.3, Horizontal polarity (18GHz –25GHz)

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Tel:+86-0755-26503290
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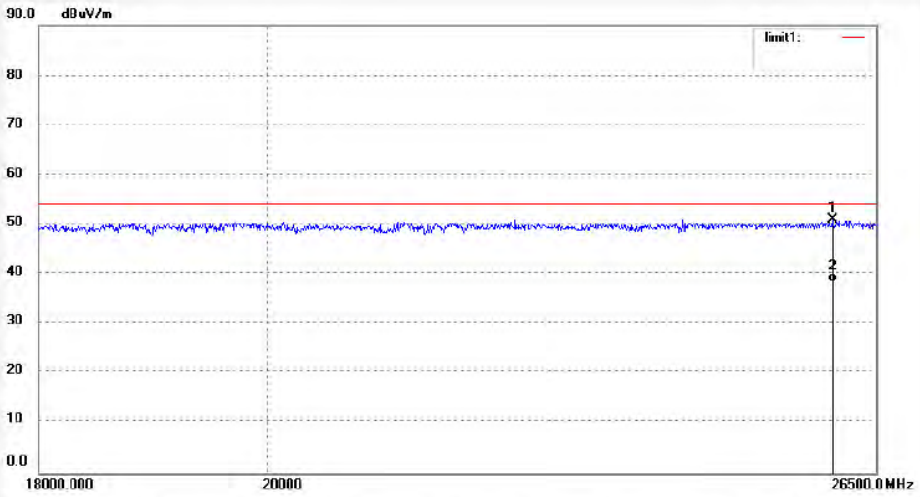
Job No.: LAN #3864	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/29/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25972.351	33.77	17.25	51.02	74.00	-22.98	peak			
2	25972.351	21.09	17.25	38.34	54.00	-15.66	AVG			

Figure 48: Test figure of spurious emissions, mode B.3, Vertical polarity (18GHz – 25GHz)

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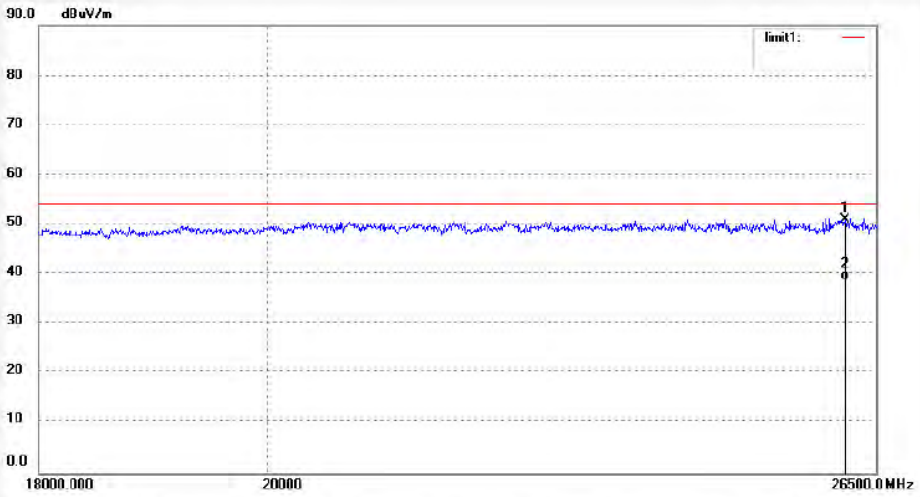
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LAN #3865	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/29/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26123.470	33.89	17.15	51.04	74.00	-22.96	peak			
2	26123.470	21.56	17.15	38.71	54.00	-15.29	AVG			

Figure 49: Test figure of Radiated emissions in restricted bands, Mode A.1, Horizontal

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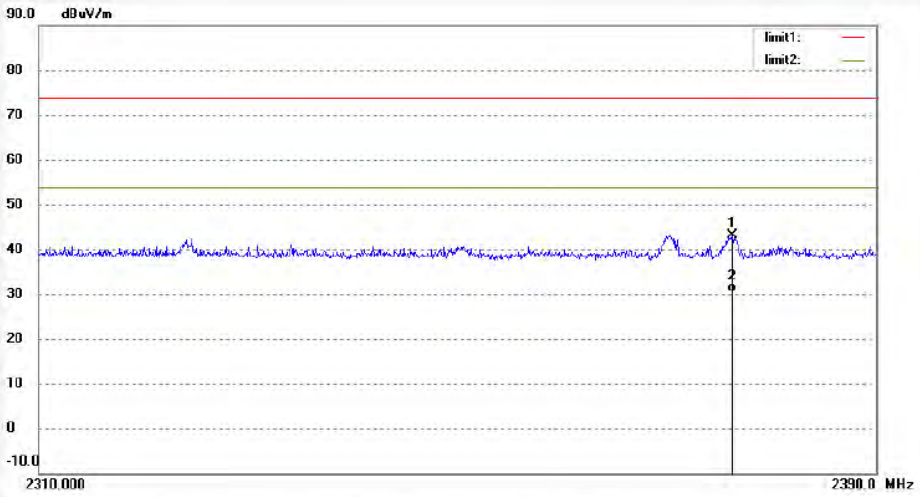
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LAN2014 #1414	Polarization: Horizontal
Standard: FCC (Band Edge)	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/12/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2376.160	50.80	-7.62	43.18	74.00	-30.82	peak			
2	2376.160	38.05	-7.62	30.43	54.00	-23.57	AVG			

Figure 50: Test figure of Radiated emissions in restricted bands, Mode A.1, Vertical

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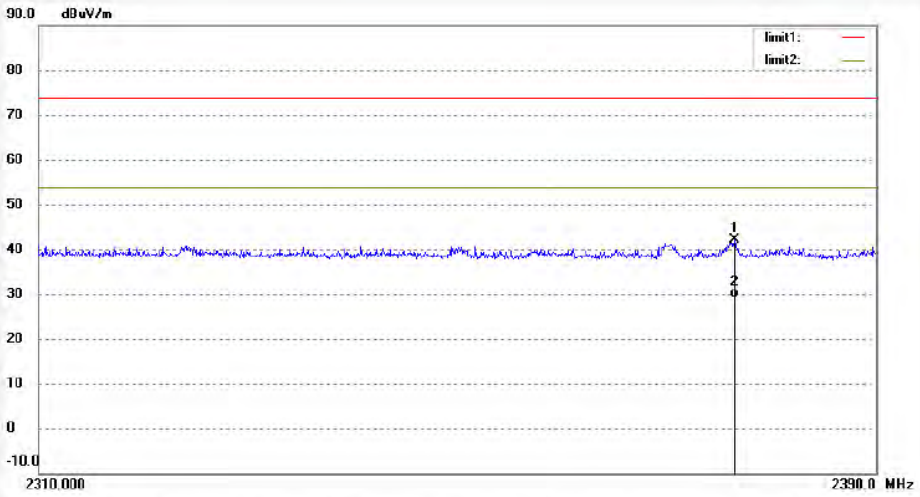
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LAN2014 #1415	Polarization: Vertical
Standard: FCC (Band Edge)	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/12/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2376.320	49.69	-7.61	42.08	74.00	-31.92	peak			
2	2376.320	36.79	-7.61	29.18	54.00	-24.82	AVG			

Figure 51: Test figure of Radiated emissions in restricted bands, Mode A.3, Horizontal

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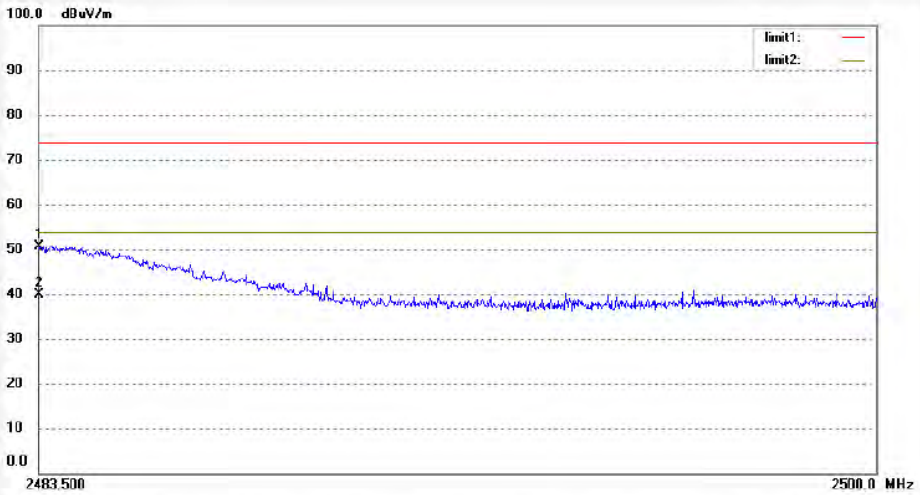
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LAN2014 #1421	Polarization: Horizontal
Standard: FCC (Band Edge)	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/12/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	58.12	-7.37	50.75	74.00	-23.25	peak			
2	2483.500	47.23	-7.37	39.86	54.00	-14.14	AVG			

Figure 52: Test figure of Radiated emissions in restricted bands, Mode A.3, Vertical

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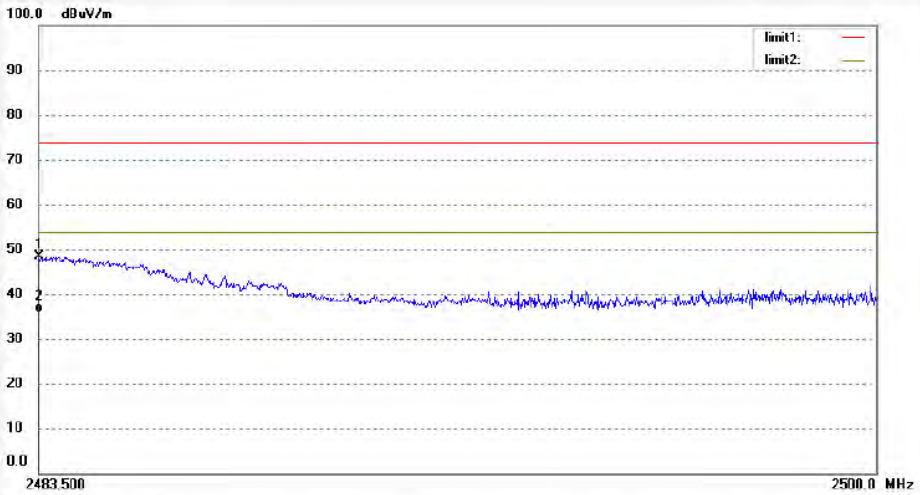
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LAN2014 #1420	Polarization: Vertical
Standard: FCC (Band Edge)	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/12/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.517	55.67	-7.37	48.30	74.00	-25.70	peak			
2	2483.517	43.25	-7.37	35.88	54.00	-18.12	AVG			

Figure 53: Test figure of Radiated emissions in restricted bands, Mode B.1, Horizontal

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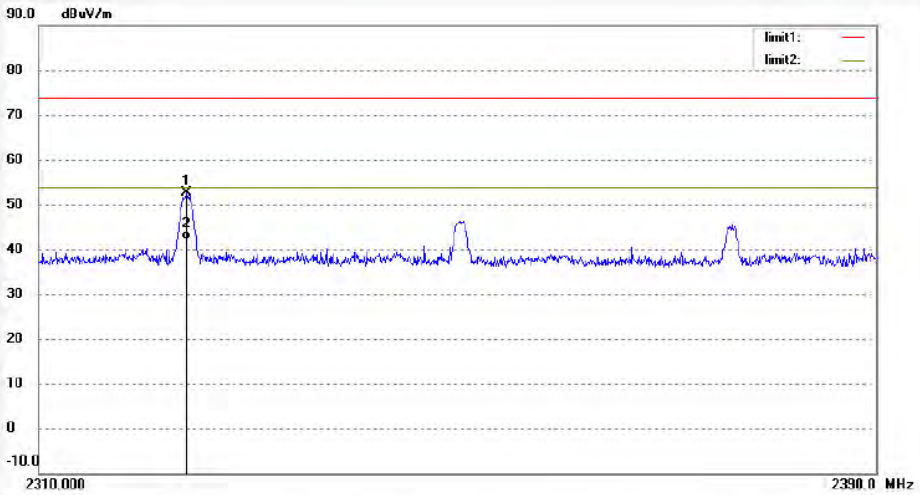
Job No.: LAN2014 #1425	Polarization: Horizontal
Standard: FCC (Band Edge)	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/12/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2324.000	60.35	-7.81	52.54	74.00	-21.46	peak			
2	2324.000	50.04	-7.81	42.23	54.00	-11.77	AVG			

Figure 54: Test figure of Radiated emissions in restricted bands, Mode B.1, Vertical

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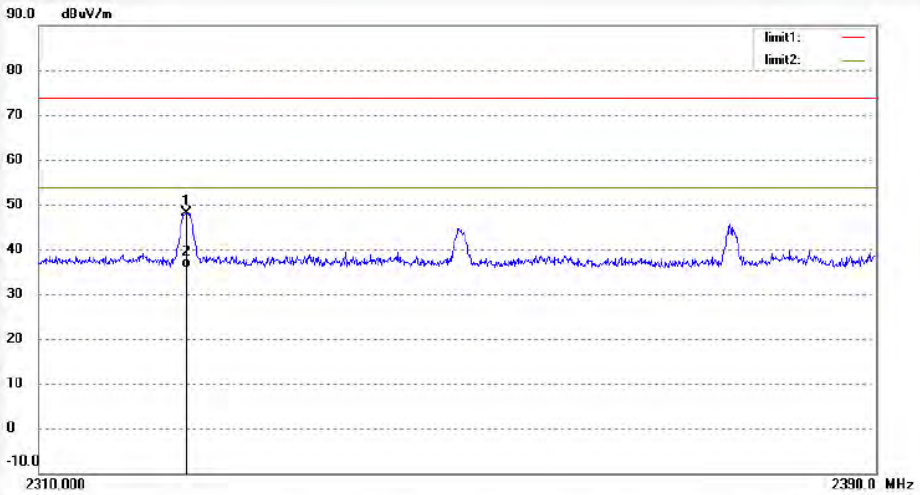
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LAN2014 #1424	Polarization: Vertical
Standard: FCC (Band Edge)	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/12/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2323.920	55.85	-7.81	48.04	74.00	-25.96	peak			
2	2323.920	43.69	-7.81	35.88	54.00	-18.12	AVG			

Figure 55: Test figure of Radiated emissions in restricted bands, Mode B.3, Horizontal

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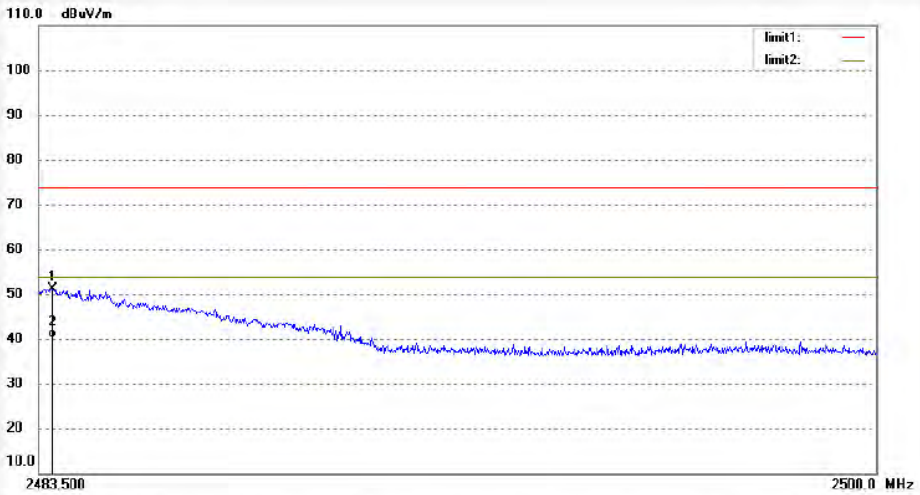
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LAN2014 #1430	Polarization: Horizontal
Standard: FCC (Band Edge)	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/12/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.764	58.59	-7.38	51.21	74.00	-22.79	peak			
2	2483.764	47.57	-7.38	40.19	54.00	-13.81	AVG			

Figure 56: Test figure of Radiated emissions in restricted bands, Mode B.3, Vertical

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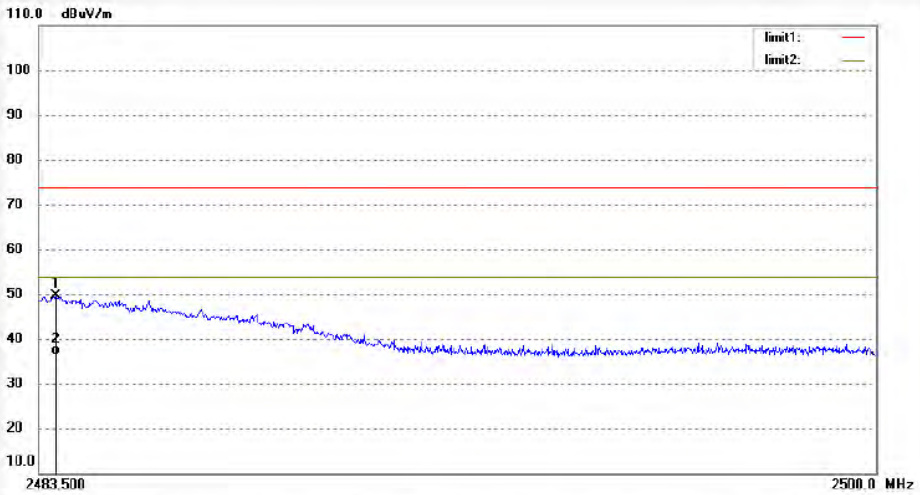
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LAN2014 #1431	Polarization: Vertical
Standard: FCC (Band Edge)	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/12/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note: Bluetooth 4.0



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.830	56.96	-7.38	49.58	74.00	-24.42	peak			
2	2483.830	43.88	-7.38	36.50	54.00	-17.50	AVG			

Figure 57: Test figure of Conducted emissions, Mode D, line live

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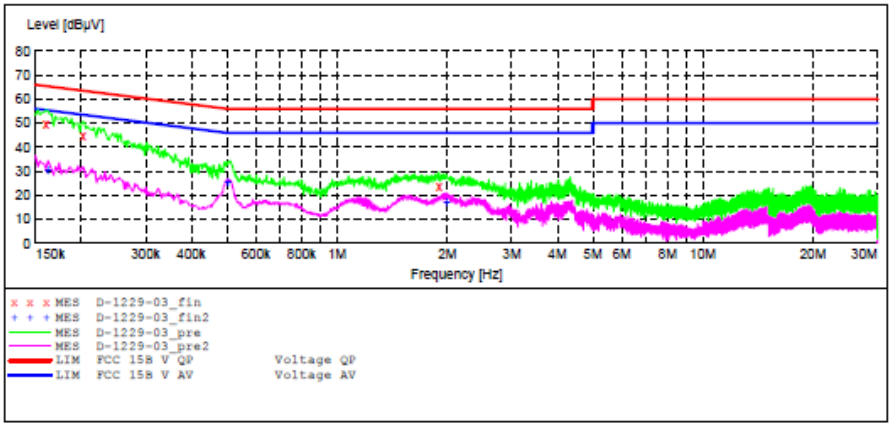
CONDUCTED EMISSION STANDARD FCC PART 15 B

```
EUT:                 Bluetooth Wireless Speaker M/N:EUPHO
Manufacturer:        TGI Technology Pte. Ltd.
Operating Condition: Charging
Test Site:           1#Shielding Room
Operator:            LAN
Test Specification:  L 120V/60Hz
Comment:             Mains Port
Start of Test:       2014-12-29 /
```

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: "D-1229-03_fin"

2014-12-29

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.160000	49.40	10.4	66	16.1	QP	L1	GND
0.202000	44.80	10.6	64	18.7	QP	L1	GND
1.898000	23.40	11.7	56	32.6	QP	L1	GND

MEASUREMENT RESULT: "D-1229-03_fin2"

2014-12-29

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.162000	30.90	10.4	55	24.5	AV	L1	GND
0.502000	25.70	11.5	46	20.3	AV	L1	GND
1.990000	16.90	11.7	46	29.1	AV	L1	GND

Figure 58: Test figure of Conducted emissions, Mode D, line neutral

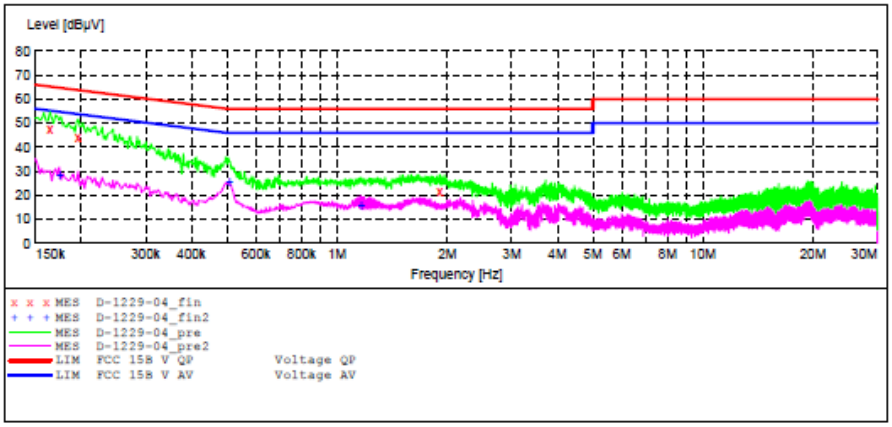
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

```
EUT:                 Bluetooth Wireless Speaker M/N:EUPHO
Manufacturer:        TGI Technology Pte. Ltd.
Operating Condition: Charging
Test Site:           1#Shielding Room
Operator:            LAN
Test Specification:  N 120V/60Hz
Comment:             Mains Port
Start of Test:       2014-12-29 /
```

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: "D-1229-04_fin"

2014-12-29

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.164000	47.60	10.4	65	17.7	QP	N	GND
0.196000	44.20	10.6	64	19.6	QP	N	GND
1.906000	21.50	11.7	56	34.5	QP	N	GND

MEASUREMENT RESULT: "D-1229-04_fin2"

2014-12-29

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.174000	28.70	10.5	55	26.1	AV	N	GND
0.508000	25.50	11.5	46	20.5	AV	N	GND
1.162000	15.70	11.6	46	30.3	AV	N	GND

Figure 59: Test figure of Radiated emissions, Mode C, Below 1GHz, Horizontal

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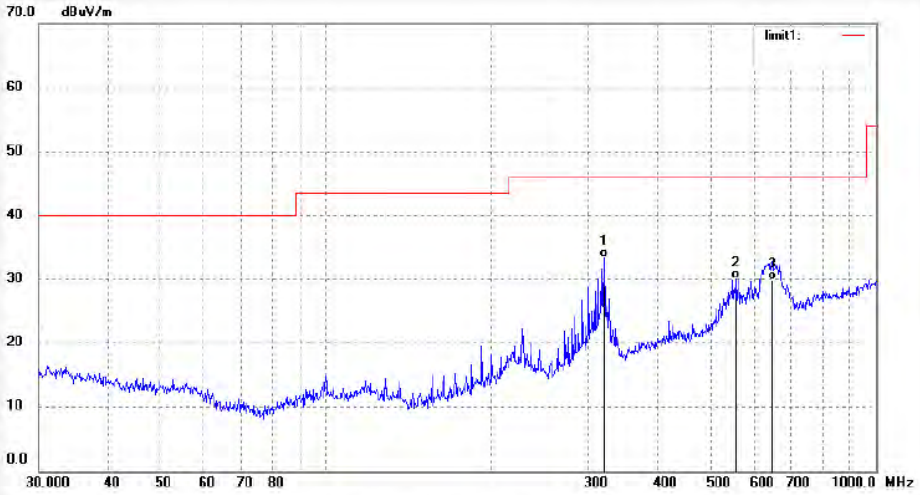
Job No.: LAN #3834	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 2014-12-25
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: Aux in	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	319.9370	42.01	-8.75	33.26	46.00	-12.74	QP			
2	556.7744	33.41	-3.48	29.93	46.00	-16.07	QP			
3	649.6597	32.34	-2.45	29.89	46.00	-16.11	QP			

Figure 60: Test figure of Radiated emissions, Mode C, Below 1GHz, Vertical

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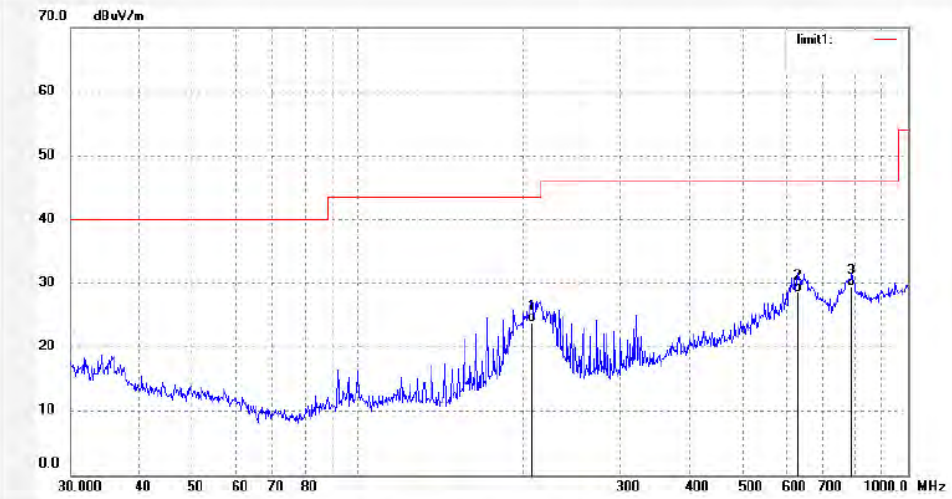
Job No.: LAN #3833	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 2014-12-25
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: Aux in	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	207.1226	36.05	-12.24	23.81	43.50	-19.69	QP			
2	629.4772	31.25	-2.59	28.66	46.00	-17.34	QP			
3	790.6186	29.66	-0.15	29.51	46.00	-16.49	QP			

Figure 61: Test figure of Radiated emissions, Mode C, Above 1GHz, Horizontal

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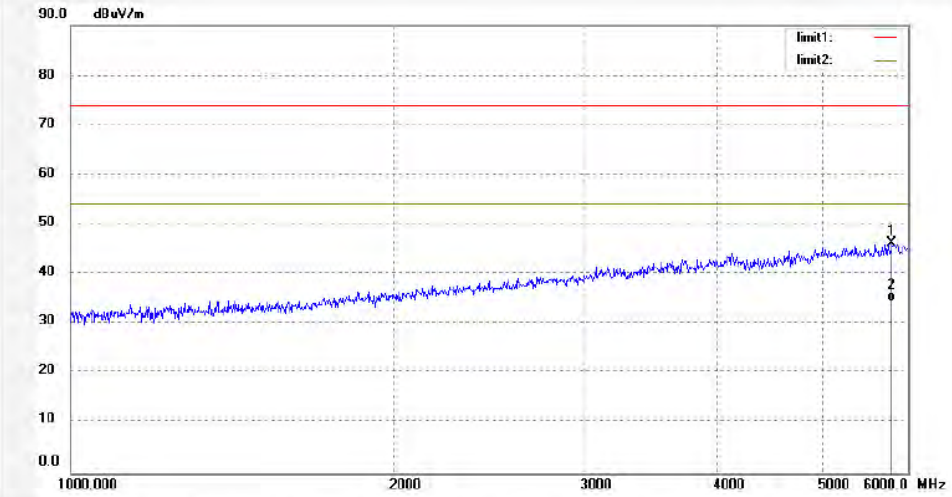
Job No.: LAN #3842	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/29/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: Aux in	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5799.177	44.29	1.98	46.27	74.00	-27.73	peak			
2	5799.177	32.64	1.98	34.62	54.00	-19.38	AVG			

Figure 62: Test figure of Radiated emissions, Mode C, Above 1GHz, Vertical

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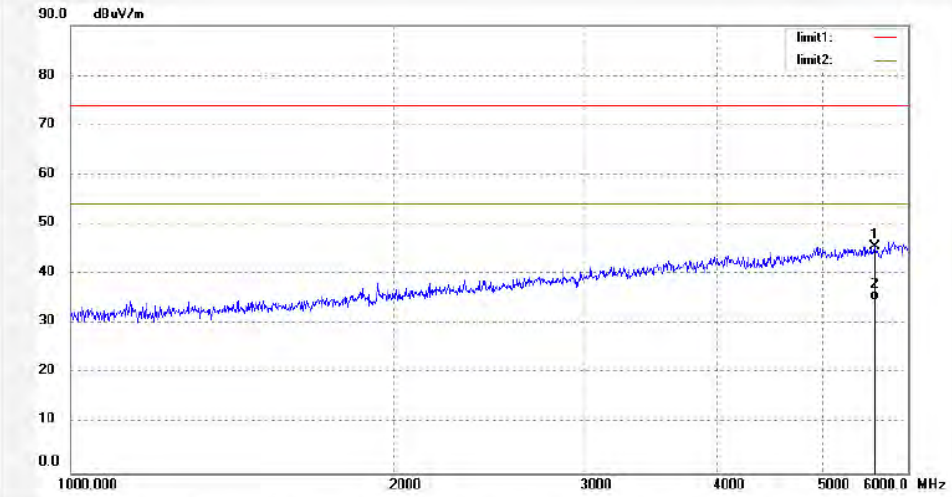
Job No.: LAN #3841	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 14/12/29/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: Aux in	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5585.026	44.14	1.43	45.57	74.00	-28.43	peak			
2	5585.026	33.27	1.43	34.70	54.00	-19.30	AVG			

Figure 63: Test figure of Radiated emissions, Mode D, Below 1GHz, Horizontal

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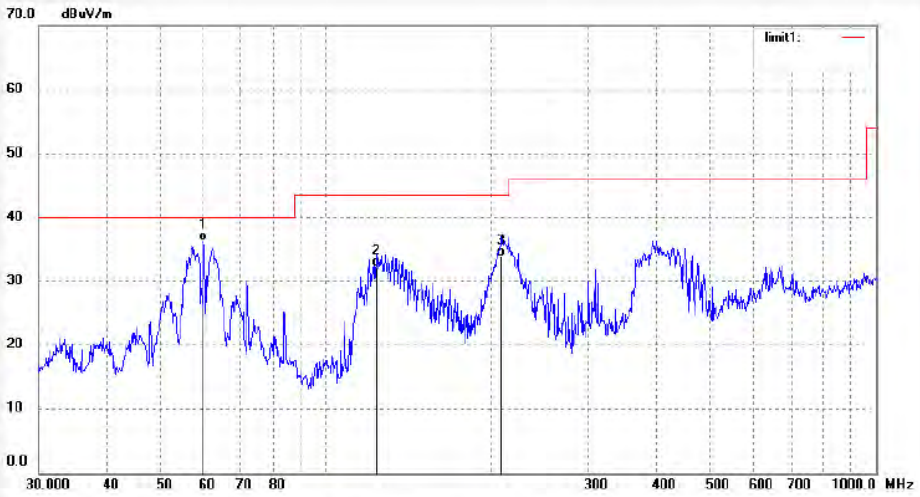
Job No.: LAN #3835	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 5V
Test item: Radiation Test	Date: 2014-12-25
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: USB playing	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	59.8588	50.18	-13.91	36.27	40.00	-3.73	QP			
2	123.2655	45.80	-13.53	32.27	43.50	-11.23	QP			
3	208.5800	46.15	-12.21	33.94	43.50	-9.56	QP			

Figure 64: Test figure of Radiated emissions, Mode D, Below 1GHz, Vertical

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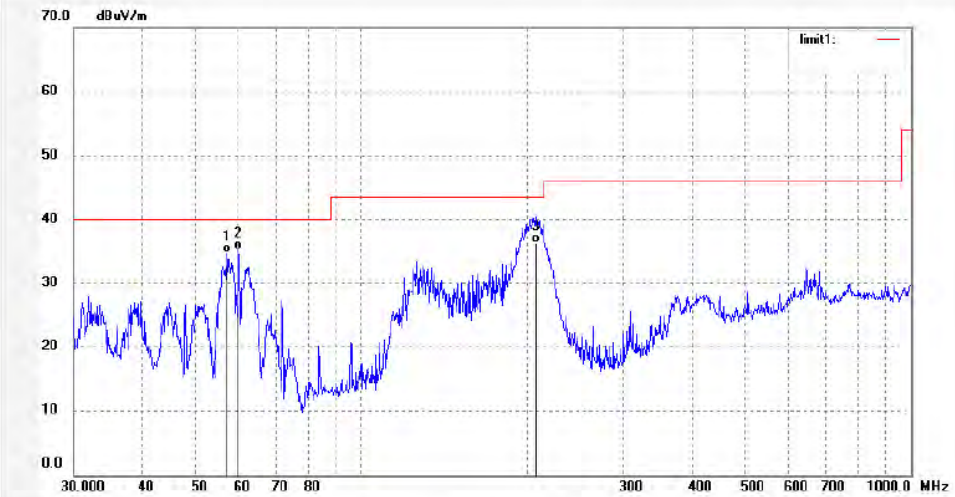
Fax:+86-0755-26503396

Job No.: LAN #3836	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 5V
Test item: Radiation Test	Date: 2014-12-25
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: USB playing	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	56.9911	48.08	-13.36	34.72	40.00	-5.28	QP			
2	59.8588	49.17	-13.91	35.26	40.00	-4.74	QP			
3	207.8501	48.56	-12.23	36.33	43.50	-7.17	QP			

Figure 65: Test figure of Radiated emissions, Mode D, Above 1GHz, Horizontal

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Tel:+86-0755-26503290
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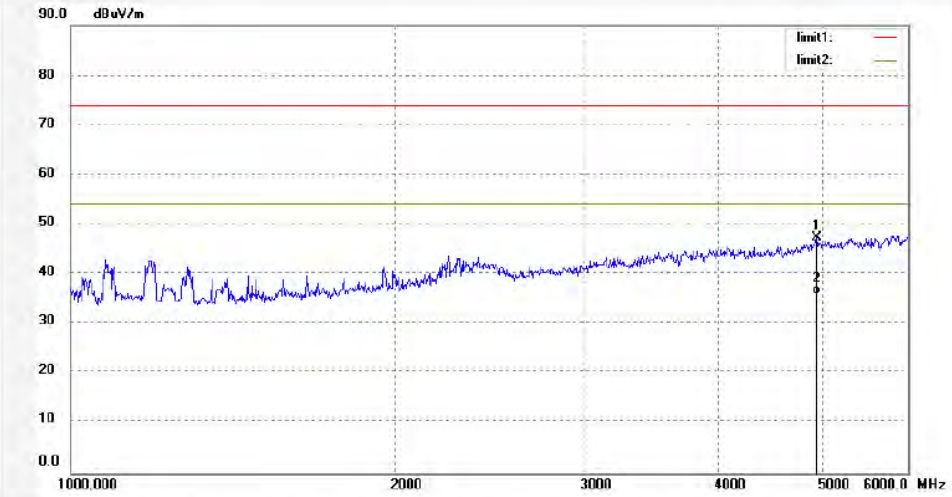
Job No.: LAN #3852	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 5V
Test item: Radiation Test	Date: 14/12/29/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: USB Playing	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4935.518	46.98	0.41	47.39	74.00	-26.61	peak			
2	4935.518	35.37	0.41	35.78	54.00	-18.22	AVG			

Figure 66: Test figure of Radiated emissions, Mode D, Above 1GHz, Vertical

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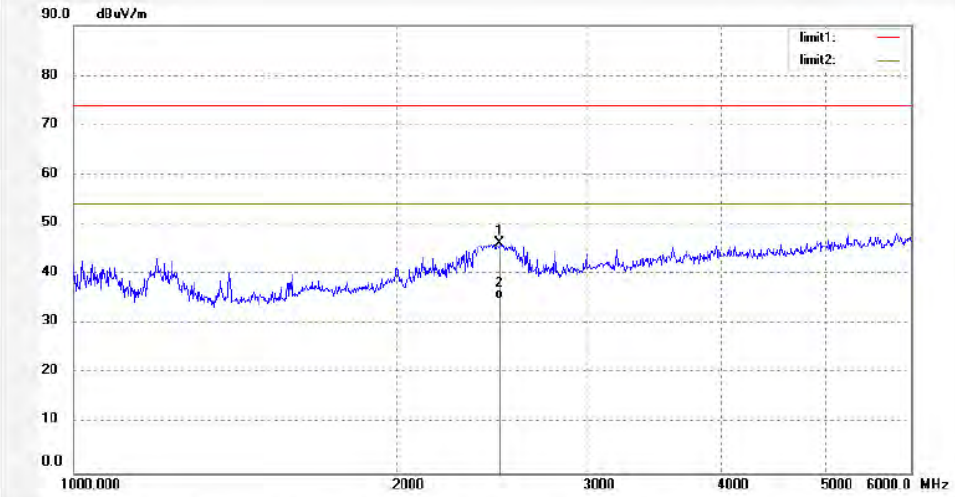
Job No.: LAN #3853	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 5V
Test item: Radiation Test	Date: 14/12/29/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Bluetooth Wireless Speaker	Engineer Signature:
Mode: USB Playing	Distance: 3m
Model: EUPHO	
Manufacturer: TGI Technology Pte. Ltd.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2489.310	53.52	-7.39	46.13	74.00	-27.87	peak			
2	2489.310	42.37	-7.39	34.98	54.00	-19.02	AVG			