

Page 1 of 51

APPLICATION CERTIFICATION FCC Part 15C On Behalf of GOOD EVER TRADING LIMITED

Mini BT Speaker

Model No.: CB-335092, CB-335092B, CB-335072C, CB-335097, CB-335098, CB-335116, CB-335117, CB-335118, 2BOOM-BT280, CPP-4661, CPP-4668, CPP-4672

FCC ID: 2AM7T-CB-335092

Prepared for : GOOD EVER TRADING LIMITED

Address : RM 1701, Zhuoyue Building, Fuhua Yi Rd., Futian Central Zone,

Shenzhen, China

Prepared by : Shenzhen Accurate Technology Co., Ltd.

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Report No. : ATE20171768

Date of Test : August 25-September 1, 2017

Date of Report : September 4, 2017

Report No.: ATE20171768 Page 2 of 51

TABLE OF CONTENTS

Description Page **Test Report Certification** GENERAL INFORMATION5 Description of Device (EUT)......5 1.1. Special Accessory and Auxiliary Equipment5 1.2. 1.3. Carrier Frequency of Channels 6 1.4. 1.5. 2. MEASURING DEVICE AND TEST EQUIPMENT.....8 3. OPERATION OF EUT DURING TESTING......9 3.1. Operating Mode 9 3.2. Configuration and peripherals9 TEST PROCEDURES AND RESULTS10 4. 5. POWER LINE CONDUCTED MEASUREMENT11 5.1. Block Diagram of Test......11 5.2. 5.3. 5.4. 5.5. Test Procedure 12 5.6. 5.7. 6DB BANDWIDTH MEASUREMENT......17 6. Block Diagram of Test Setup.......17 6.1. The Requirement For Section 15.247(a)(2)......17 6.2. 6.3. 6.4. Test Procedure 17 6.5. 6.6.

MAXIMUM PEAK OUTPUT POWER20

Test Result 21

Block Diagram of Test Setup......23

The Requirement For Section 15.247(e)......23

EUT Configuration on Measurement23

Test Procedure24

The Requirement For Section 15.247(d)27

POWER SPECTRAL DENSITY MEASUREMENT......23

7.

8.

9.

7.1.

7.2.

7.3.

7.4.

7.5.

7.6.

8.1.

8.2.

8.3.

8.4.

8.5. 8.6.

9.1. 9.2.





9.4.	Operating Condition of EUT	27
9.5.	Operating Condition of EUT Test Procedure	28
9.6.	Test Result	28
10. RA	DIATED SPURIOUS EMISSION TEST	35
10.1.	Block Diagram of Test Setup	35
10.2.	The Limit For Section 15.247(d)	
10.3.	Restricted bands of operation	37
10.4.	Configuration of EUT on Measurement	37
10.5.	Operating Condition of EUT	37
10.6.	Test Procedure	38
10.7.	Data Sample	38
10.8.	The Field Strength of Radiation Emission Measurement Results	39
11. AN	TENNA REQUIREMENT	51
11.1.	The Requirement	51
11.2.	Antenna Construction	51



Report No.: ATE20171768 Page 4 of 51

Test Report Certification

Applicant : GOOD EVER TRADING LIMITED

Manufacturer : GOOD EVER TRADING LIMITED

EUT Description: Mini BT Speaker

CB-335092, CB-335092B, CB-335072C, CB-335097, CB-335098,

Model No. : CB-335116, CB-335117, CB-335118, 2BOOM-BT280, CPP-4661,

CPP-4668, CPP-4672

Trade Mark : n.a.

Measurement Procedure Used:

FCC Rules and Regulations Part 15 Subpart C Section 15.247: 2016 ANSI C63.10: 2013

The EUT was tested according to DTS test procedure of Apr 05, 2017 KDB558074 D01 DTS Meas Guidance v04 for compliance to FCC 47CFR 15.247 requirements

The device described above is tested by ACCURATE TECHNOLOGY CO. LTD to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C Section 15.247 limits. The measurement results are contained in this test report and ACCURATE TECHNOLOGY CO. LTD is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

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

Date of Test :	August 25-September 1, 2017
Date of Report:	September 4, 2017
	BobWarg
Prepared by :	JECHNO CONTRACTOR OF THE CHARLES AND
	(Bo Wart Carleer)
	APPROVED
Approved & Authorized Signer : _	7 em
	(Sean Liu, Manager)



Page 5 of 51

1. GENERAL INFORMATION

1.1.Description of Device (EUT)

EUT : Mini BT Speaker

Model Number : CB-335092, CB-335092B, CB-335072C, CB-335097,

CB-335098, CB-335116, CB-335117, CB-335118, 2BOOM-BT280, CPP-4661, CPP-4668, CPP-4672 (Note: We hereby state that these models are identical in interior structure, electrical circuits and components, and just model

structure, electrical circuits and components, and just model names are different for the marketing requirement. So we

prepare the CB-335092 for test.)

Trade Mark : n.a.

Bluetooth version : BT V4.2

Frequency Range : 2402MHz-2480MHz

Number of Channels : 40 Antenna Gain : 1dBi

Antenna type : PCB Antenna

Power Supply : DC 3.7V & DC 5V(Power by USB port)

Modulation mode : GFSK

Applicant : GOOD EVER TRADING LIMITED

Address : RM 1701, Zhuoyue Building, Fuhua Yi Rd., Futian

Central Zone, Shenzhen, China

Manufacturer : GOOD EVER TRADING LIMITED

Address RM 1701, Zhuoyue Building, Fuhua Yi Rd., Futian

Central Zone, Shenzhen, China

Date of sample received: August 21, 2017

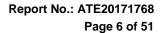
Date of Test : August 25-September 1, 2017

Sample No. : 1701429

1.2. Special Accessory and Auxiliary Equipment

Adapter: Model:BEK-QC-001

INPUT: 120V~60Hz OUTPUT:5V/1A





1.3. Carrier Frequency of Channels

Channel	Frequeeny (MHz)	Channel	Frequeeny (MHz)	Channel	Frequeeny (MHz)	Channe 1	Frequeeny (MHz)
0	2402	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480



Page 7 of 51

1.4.Description of Test Facility

EMC Lab : Recognition of accreditation by Federal Communications

Commission (FCC)

The Designation Number is CN1189 The Registration Number is 708358

Listed by Innovation, Science and Economic Development

Canada (ISEDC)

The Registration Number is 5077A-2

Accredited by China National Accreditation Service for

Conformity Assessment (CNAS)

The Registration Number is CNAS L3193

Accredited by American Association for Laboratory

Accreditation (A2LA)

The Certificate Number is 4297.01

Name of Firm : Shenzhen Accurate Technology Co., Ltd.

Site Location : 1/F., Building A, Changyuan New Material Port, Science

& Industry Park, Nanshan District, Shenzhen, Guangdong,

P.R. China

1.5. Measurement Uncertainty

Conducted Emission Expanded Uncertainty = 2.23dB, k=2

Radiated emission expanded uncertainty = 3.08dB, k=2

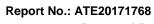
(9kHz-30MHz)

Radiated emission expanded uncertainty = 4.42dB, k=2

(30MHz-1000MHz)

Radiated emission expanded uncertainty = 4.06dB, k=2

(Above 1GHz)



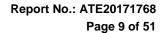




2. MEASURING DEVICE AND TEST EQUIPMENT

Table 1: List of Test and Measurement Equipment

Kind of equipment	Manufacturer	Type	S/N	Calibrated dates	Calibrated until
EMI Test Receiver	Rohde&Schwarz	ESCS30	100307	Jan. 7, 2017	1 Year
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	Jan. 7, 2017	1 Year
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 7, 2017	1 Year
Pre-Amplifier	Rohde&Schwarz	CBLU118354 0-01	3791	Jan. 7, 2017	1 Year
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 13, 2017	1 Year
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 13, 2017	1 Year
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 13, 2017	1 Year
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	Jan. 13, 2017	1 Year
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 7, 2017	1 Year
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 7, 2017	1 Year
Highpass Filter	Wainwright Instruments	WHKX3.6/18 G-10SS	N/A	Jan. 7, 2017	1 Year
Band Reject Filter	Wainwright Instruments	WRCG2400/2 485-2375/2510 -60/11SS	N/A	Jan. 7, 2017	1 Year





3. OPERATION OF EUT DURING TESTING

3.1. Operating Mode

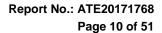
The mode is used: **BLE Transmitting mode**

Low Channel: 2402MHz Middle Channel: 2440MHz High Channel: 2480MHz

3.2.Configuration and peripherals

EUT

Figure 1 Setup: Transmitting mode





4. TEST PROCEDURES AND RESULTS

FCC Rules	Description of Test	Result
Section 15.247(a)(2)	6dB Bandwidth Test	Compliant
Section 15.247(e)	Power Spectral Density Test	Compliant
Section 15.247(b)(3)	Maximum Peak Output Power Test	Compliant
Section 15.247(d)	Band Edge Compliance Test	Compliant
Section 15.247(d) Section 15.209	Radiated Spurious Emission Test	Compliant
Section 15.207	AC Power Line Conducted Emission Test	Compliant
Section 15.203	Antenna Requirement	Compliant

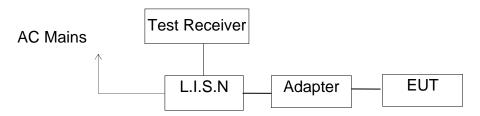
Report No.: ATE20171768 Page 11 of 51



5. POWER LINE CONDUCTED MEASUREMENT

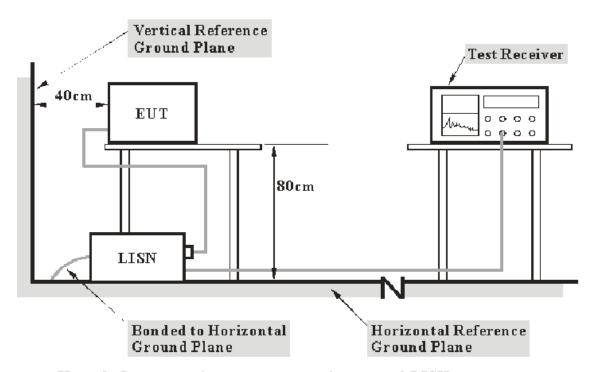
5.1.Block Diagram of Test

5.1.1.Block diagram of connection between the EUT and simulators



(EUT: Color Changing BT Speaker)

5.1.2. Test System Setup



Note: 1. Support units were connected to second LISN.

2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.



Page 12 of 51

5.2. Power Line Conducted Emission Measurement Limits

Frequency	Limit d	IB(μV)
(MHz)	Quasi-peak Level	Average Level
0.15 - 0.50	66.0 – 56.0 *	56.0 – 46.0 *
0.50 - 5.00	56.0	46.0
5.00 - 30.00	60.0	50.0

NOTE1: The lower limit shall apply at the transition frequencies.

NOTE2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.

5.3. Configuration of EUT on Measurement

The following equipments are installed on Power Line Conducted Emission Measurement to meet the commission requirement and operating regulations in a manner, which tends to maximize its emission characteristics in a normal application.

5.4. Operating Condition of EUT

- 5.4.1. Setup the EUT and simulator as shown as Section 5.1.
- 5.4.2. Turn on the power of all equipment.
- 5.4.3.Let the EUT work in test mode and measure it.

5.5.Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.10 on Conducted Emission Measurement.

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

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



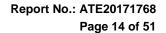
Page 13 of 51

5.6.Data Sample

Frequency (MHz)	Transducer value	QuasiPeak Level	Average Level	QuasiPeak Limit	Average Limit	QuasiPeak Margin	Average Margin	Remark (Pass/Fail)
	(dB)	(dBμV)	(dBμV)	(dBμV)	(dBμV)	(dB)	(dB)	,
3.660000	11.4	45.00	33.60	56.0	46.0	-11.0	-12.4	Pass

Frequency(MHz) = Emission frequency in MHz Transducer value(dB) = Insertion loss of LISN + Cable Loss Level(dB μ V) = Quasi-peak Reading/Average Reading + Transducer value Limit (dB μ V) = Limit stated in standard Margin = Limit (dB μ V) - Level (dB μ V)

Calculation Formula: Margin = Limit ($dB\mu V$) - Level ($dB\mu V$)





5.7. Power Line Conducted Emission Measurement Results **PASS.**

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

The frequency r					checked.		
Test mode : Cl EUT mode : Cl			760HZ)				
MEASUREMENT			804-02	_fin"			
2017-8-25 13: Frequency	49 Level	Transd	Limit	Margin	Detector	Line	PE
MHz	dBµV	dB	dΒμV	dB	Detector	птие	FE
0.158000	42.80	10.8	66	22.8	QP	L1	GND
0.740000 1.276000	45.80 38.80	11.1 11.2	56 56	10.2 17.2	QP QP	$_{ m L1}$	GND GND
4.205000 5.615000	32.50	11.4	56 60	23.5	QP	L1	GND
13.850000	37.60 33.90	11.5 11.6	60	22.4 26.1	QP QP	L1 L1	GND GND
MEASUREMENT	RESULT	: " VV -0	804-02	_fin2"			
2017-8-25 13: Frequency	49 Level	Transd	Limit	Margin	Detector	Line	PE
MHz	dΒμV	dB	dΒμV	dB	Deceded	Dine	
0.206000 0.740000	33.80 33.10	10.8 11.1	53 46	19.6 12.9	AV AV	L1 L1	GND
1.004000	30.40	11.1	46	15.6	AV	L1	GND GND
3.620000 7.885000	31.20 29.20	11.4 11.5	46 50	14.8 20.8	AV AV	$_{ m L1}$	GND GND
12.415000	25.70	11.6	50	24.3	AV	L1	GND
MEASUREMENT	RESULT	: "VV-0	804-01	_fin"			
2017-8-25 13: Frequency	45 Level	Transd	Limit	Margin	Detector	Line	PE
MHz	dBµV	dB	dBµV	Margin dB	Detector	ттие	PL
0.316000	41.10 49.00	10.9 11.1	60 56	18.7	QP	N	GND
0.744000 0.956000	45.00	11.1	56	7.0 11.0	QP QP	N N	GND GND
3.660000 8.240000	45.00 40.50	11.4 11.5	56 60	11.0 19.5	QP QP	N N	GND GND
13.040000	37.40	11.6	60	22.6	QP	N	GND
MEASUREMENT		: "VV-0	804-01	_fin2"			
2017-8-25 13: Frequency	45 Level	Transd	Limit	Margin	Detector	Line	PE
MHz	dΒμV	dB	dΒμV	dB			
0.204000	35.70	10.8	53	17.7	AV	N	GND
0.754000 0.988000	34.00 31.50	11.1 11.1	46 46	12.0 14.5	AV AV	N N	GND GND
3.660000 5.890000	33.60 30.20	11.4 11.5	46 50	12.4 19.8	AV AV	N N	GND GND
15.245000	27.80	11.7	50	22.2	AV	N	GND

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

The spectral diagrams are attached as below.

Report No.: ATE20171768 Page 15 of 51



ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

Mini BT Speaker M/N:CB-335092 GOOD EVER TRADING LIMITED EUT: Manufacturer:

Operating Condition: Charging

Test Site: 1#Shielding Room

Operator: DING

Test Specification: L 120V/60Hz

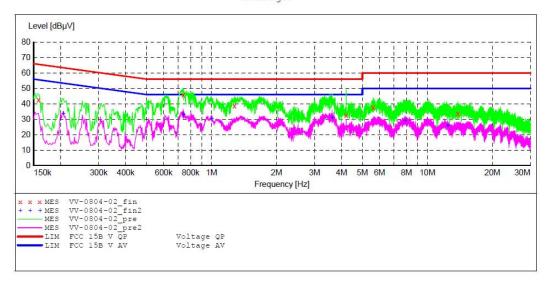
Report NO.:ATE20171768 2017-8-25 / 13:47:34 Comment: Start of Test:

SCAN TABLE: "V 150K-30MHz fin"
Short Description: _SUB_STD_VTERM2 1.70

Step Start Stop Detector Meas. ΙF Transducer Bandw. Width Time

Frequency Frequency 150.0 kHz 30.0 MHz QuasiPeak 1.0 s 4.5 kHz 9 kHz NSLK8126 2008

Average



MEASUREMENT RESULT: "VV-0804-02 fin"

2017-8-25 13:	49						
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.158000	42.80	10.8	66	22.8	QP	L1	GND
0.740000	45.80	11.1	56	10.2	QP	L1	GND
1.276000	38.80	11.2	56	17.2	QP	L1	GND
4.205000	32.50	11.4	56	23.5	QP	L1	GND
5.615000	37.60	11.5	60	22.4	QP	L1	GND
13.850000	33.90	11.6	60	26.1	ÕP	L1	GND

MEASUREMENT RESULT: "VV-0804-02 fin2"

2	017-8-25 13: Frequency	49 Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dBµV	dB	dBµV	dB	Decector	птие	EE
	0.206000	33.80	10.8	53	19.6	AV	L1	GND
	0.740000	33.10	11.1	46	12.9	AV	L1	GND
	1.004000	30.40	11.1	46	15.6	AV	L1	GND
	3.620000	31.20	11.4	46	14.8	AV	L1	GND
	7.885000	29.20	11.5	50	20.8	AV	L1	GND
	12.415000	25.70	11.6	50	24.3	AV	L1	GND

Report No.: ATE20171768 Page 16 of 51



ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

Mini BT Speaker M/N:CB-335092 GOOD EVER TRADING LIMITED EUT: Manufacturer:

Operating Condition: Charging

1#Shielding Room Test Site:

DING Operator:

Test Specification: N 120V/60Hz

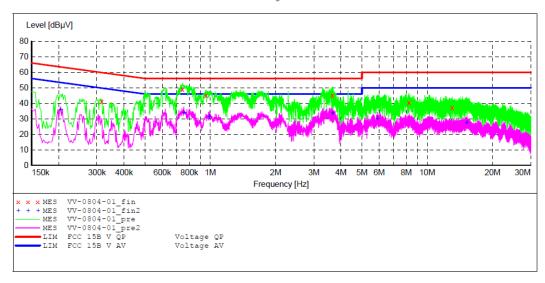
Comment: Report NO.:ATE20171768 Start of Test: 2017-8-25 / 13:44:00

SCAN TABLE: "V 150K-30MHz fin"
Short Description: _SUB_STD_VTERM2 1.70

Start Stop Step Detector Meas. IF Transducer Time Bandw.

Frequency Frequency Width 150.0 kHz 30.0 MHz 4.5 kH 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008

Average



MEASUREMENT RESULT: "VV-0804-01 fin"

2	017-8-25 13:	45						
	Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
	0.316000	41.10	10.9	60	18.7	QP	N	GND
	0.744000	49.00	11.1	56	7.0	QΡ	N	GND
	0.956000	45.00	11.1	56	11.0	QP	N	GND
	3.660000	45.00	11.4	56	11.0	QP	N	GND
	8.240000	40.50	11.5	60	19.5	QP	N	GND
	13.040000	37.40	11.6	60	22.6	OP	N	GND

MEASUREMENT RESULT: "VV-0804-01 fin2"

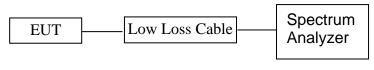
2	017-8-25 13:							
	Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
	0.204000	35.70	10.8	53	17.7	AV	N	GND
	0.754000	34.00	11.1	46	12.0	AV	N	GND
	0.988000	31.50	11.1	46	14.5	AV	N	GND
	3.660000	33.60	11.4	46	12.4	AV	N	GND
	5.890000	30.20	11.5	50	19.8	AV	N	GND
	15.245000	27.80	11.7	50	22.2	AV	N	GND



Page 17 of 51

6. 6DB BANDWIDTH MEASUREMENT

6.1.Block Diagram of Test Setup



(EUT: Mini BT Speaker)

6.2. The Requirement For Section 15.247(a)(2)

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

6.3.EUT Configuration on Measurement

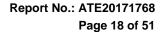
The equipment is installed on the emission measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

6.4. Operating Condition of EUT

- 6.4.1. Setup the EUT and simulator as shown as Section 6.1.
- 6.4.2. Turn on the power of all equipment.
- 6.4.3.Let the EUT work in TX modes measure it. The transmit frequency are 2402-2480 MHz. We select 2402MHz, 2440MHz, and 2480MHz TX frequency to transmit.

6.5. Test Procedure

- 6.5.1. The transmitter output was connected to the spectrum analyzer through a low loss cable.
- 6.5.2.Set RBW of spectrum analyzer to 100 kHz and VBW to 300 kHz.
- 6.5.3. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.



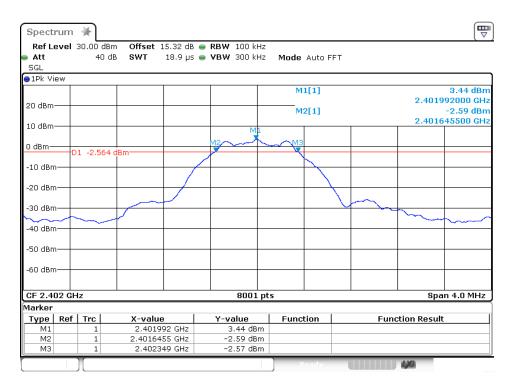


6.6.Test Result

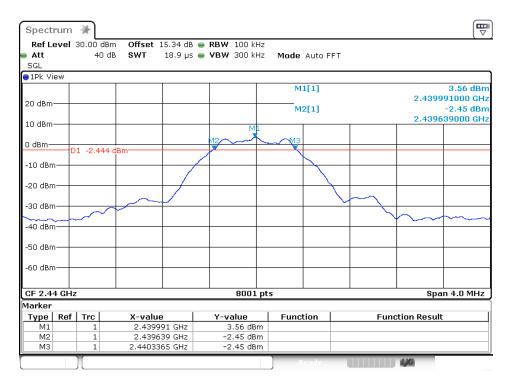
Channel	Frequency (MHz)	6 dB Bandwith (MHz)	Minimum Limit(MHz)	PASS/FAIL
0	2402	0.704	0.5	PASS
19	2440	0.697	0.5	PASS
39	2480	0.686	0.5	PASS

The spectrum analyzer plots are attached as below.

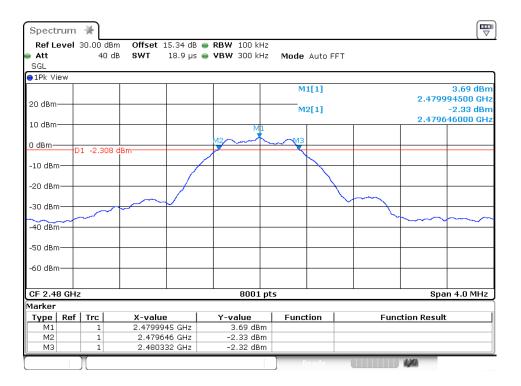
channel 0

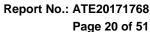






channel 39

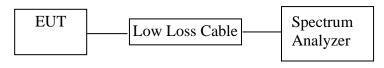






7. MAXIMUM PEAK OUTPUT POWER

7.1.Block Diagram of Test Setup



(EUT: Mini BT Speaker)

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

Section 15.247(b)(3): For systems using digital modulation in the 902-928MHz, 2400-2483.5MHz, and 5725-5850MHz bands: 1 Watt.

7.3.EUT Configuration on Measurement

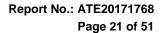
The equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

7.4. Operating Condition of EUT

- 7.4.1. Setup the EUT and simulator as shown as Section 7.1.
- 7.4.2. Turn on the power of all equipment.
- 7.4.3.Let the EUT work in TX modes measure it. The transmit frequency are 2402-2480 MHz. We select 2402MHz, 2440MHz, and 2480MHz TX frequency to transmit.

7.5.Test Procedure

- 7.5.1. The transmitter output was connected to the spectrum analyzer through a low loss cable.
- 7.5.2.Set RBW of spectrum analyzer to 3 MHz and VBW to 3 MHz.
- 7.5.3.Measurement the maximum peak output power.



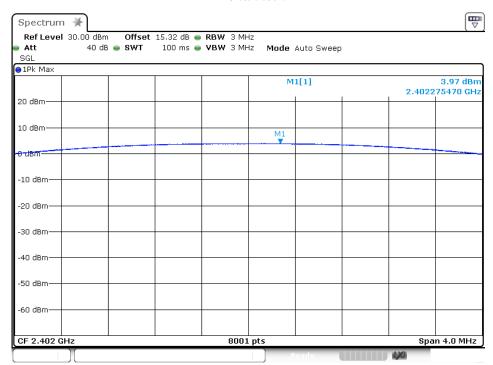


7.6.Test Result

Channel	Frequency (MHz)	Peak Power Output (dBm)	Peak Power Limit (dBm)	Pass / Fail
0	2402	3.97	30	PASS
19	2440	4.08	30	PASS
39	2480	4.16	30	PASS

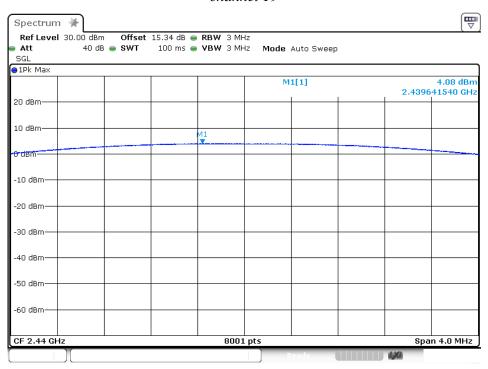
The spectrum analyzer plots are attached as below.

channel 0

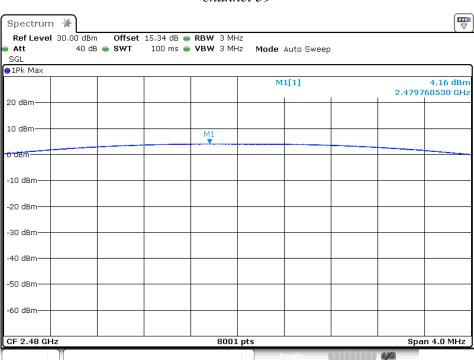


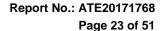


channel 19



channel 39







8. POWER SPECTRAL DENSITY MEASUREMENT

8.1.Block Diagram of Test Setup



(EUT: Mini BT Speaker)

8.2. The Requirement For Section 15.247(e)

Section 15.247(e): For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

8.3.EUT Configuration on Measurement

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

8.4. Operating Condition of EUT

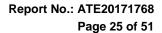
- 8.4.1. Setup the EUT and simulator as shown as Section 8.1.
- 8.4.2. Turn on the power of all equipment.
- 8.4.3.Let the EUT work in TX modes measure it. The transmit frequency are 2402-2480. We select 2402MHz, 2440MHz, and 2480MHz TX frequency to transmit.



Page 24 of 51

8.5.Test Procedure

- 8.5.1. The transmitter output was connected to the spectrum analyzer through a low loss cable.
- 8.5.2.Measurement Procedure PKPSD:
- 8.5.3. This procedure must be used if maximum peak conducted output power was used to demonstrate compliance to the fundamental output power limit, and is optional if the maximum (average) conducted output power was used to demonstrate compliance.
 - 1. Set analyzer center frequency to DTS channel center frequency.
 - 2. Set the span to 1.5 times the DTS channel bandwidth.
 - 3. Set the RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
 - 4. Set the VBW \geq 3 x RBW.
 - 5. Detector = peak.
 - 6. Sweep time = auto couple.
 - 7. Trace mode = max hold.
 - 8. Allow trace to fully stabilize.
 - 9. Use the peak marker function to determine the maximum amplitude level.
 - 10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.
- 8.5.4.Measurement the maximum power spectral density.



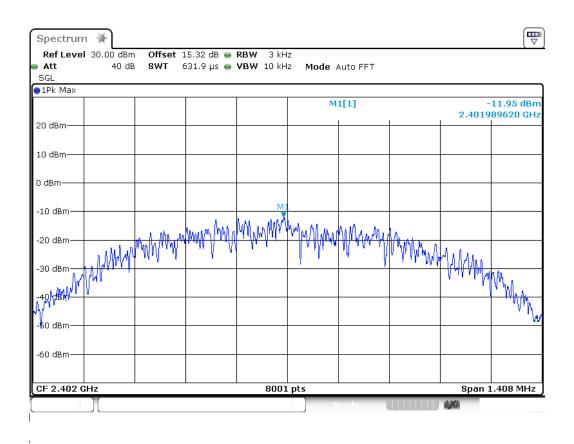


8.6.Test Result

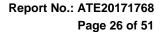
CHANNEL NUMBER	FREQUENCY (MHz)	PSD (dBm/3KHz)	LIMIT (dBm/3KHz)	PASS/FAIL
0	2402	-11.95	8	PASS
19	2440	-11.81	8	PASS
39	2480	-11.70	8	PASS

The spectrum analyzer plots are attached as below.

channel 0

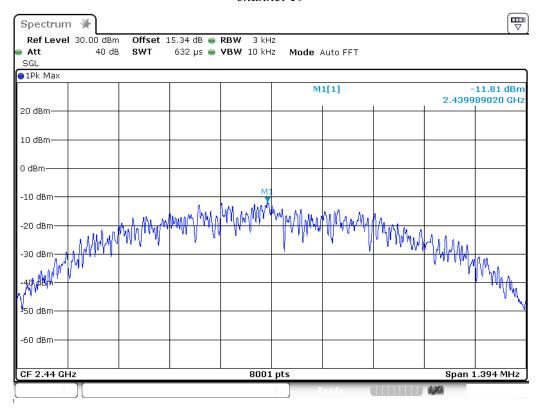


FCC ID: 2AM7T-CB-335092

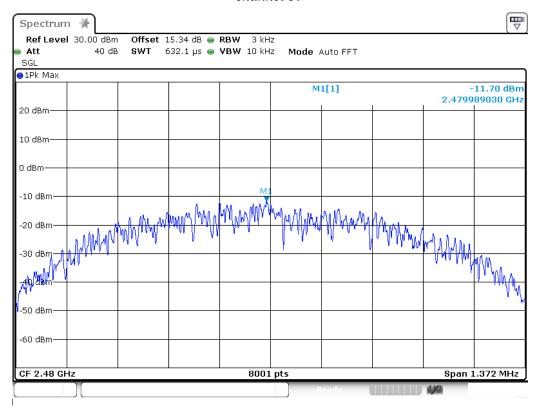




channel 19



channel 39

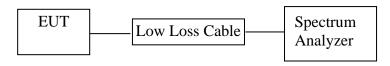




Page 27 of 51

9. BAND EDGE COMPLIANCE TEST

9.1.Block Diagram of Test Setup



(EUT: Mini BT Speaker)

9.2. The Requirement For Section 15.247(d)

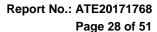
Section 15.247(d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band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

9.3.EUT Configuration on Measurement

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

9.4. Operating Condition of EUT

- 9.4.1. Setup the EUT and simulator as shown as Section 9.1.
- 9.4.2. Turn on the power of all equipment.
- 9.4.3.Let the EUT work in TX modes measure it. The transmit frequency are 2402-2480 MHz. We select 2402MHz, 2480MHz TX frequency to transmit.





9.5.Test Procedure

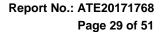
Conducted Band Edge:

- 9.5.1.The transmitter output was connected to the spectrum analyzer via a low loss cable.
- 9.5.2.Set RBW of spectrum analyzer to 100 kHz and VBW to 300 kHz.
- 9.5.3. Radiate Band Edge:
- 9.5.4.The EUT is placed on a turntable, which is 0.8m above the ground plane and worked at highest radiated power.
- 9.5.5. The turntable was rotated for 360 degrees to determine the position of maximum emission level.
- 9.5.6.EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
- 9.5.7.Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
- 9.5.8.RBW=100kHz, VBW=300kHz
- 9.5.9. The band edges was measured and recorded.

9.6.Test Result

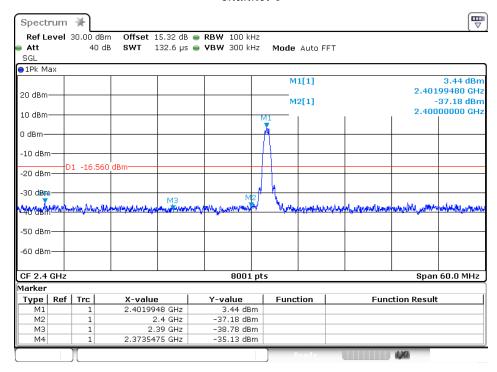
Pass

Channel	Frequency	Delta peak to band emission	Limit(dBc)
0	2.4GHz	33.74	20
39	2.4835GHz	35.41	20

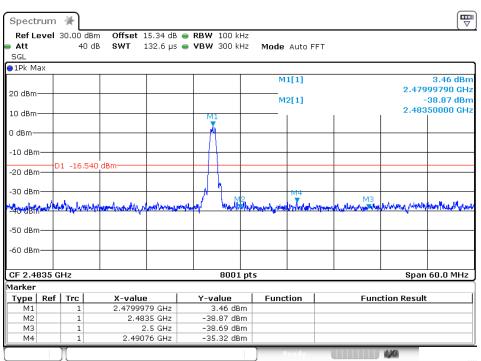




channel 0



channel 39





Report No.: ATE20171768 Page 30 of 51

Radiated Band Edge Result

Date of Test:August 31, 2017Temperature:25°CEUT:Mini BT SpeakerHumidity:50%Model No.:CB-335092Power Supply:AC 120V/60HzTest Mode:TX (2402MHz) GFSKTest Engineer:Frank

Frequency	Reading(dBµV/m)		Factor(dB)	Result(dBµV/m)		Limit(dBµV/m)		Margi	Polarization	
(MHz)	AV	PEAK	Corr.	AV	PEAK	AV	PEAK	AV	PEAK	
2390.000	30.11	39.64	-3.96	26.15	35.68	54.00	74.00	-27.85	-38.32	Vertical
2400.000	49.23	58.46	-3.91	45.32	54.55	54.00	74.00	-8.68	-19.45	Vertical
2390.000	30.01	39.88	-3.96	26.05	35.92	54.00	74.00	-27.95	-38.08	Horizontal
2400.000	46.12	55.96	-3.91	42.21	52.05	54.00	74.00	-11.79	-21.95	Horizontal

Date of Test:August 31, 2017Temperature:25°CEUT:Mini BT SpeakerHumidity:50%Model No.:CB-335092Power Supply:AC 120V/60Hz

Test Mode: TX (2480MHz) GFSK Test Engineer: Frank

Frequency	Reading((dBµV/m)	Factor(dB)	Result(dBµV/m)		Limit(dBµV/m)		Margin(dB)		Polarization
(MHz)	AV	PEAK	Corr.	AV	PEAK	AV	PEAK	AV	PEAK	
2483.500	30.25	41.02	-3.50	26.75	37.52	54.00	74.00	-27.25	-36.48	Vertical
2500.000	32.56	41.71	-3.42	29.14	38.29	54.00	74.00	-24.86	-35.71	Vertical
2483.500	30.12	39.84	-3.50	26.62	36.34	54.00	74.00	-27.38	-37.66	Horizontal
2500.000	31.25	41.71	-3.42	27.83	38.29	54.00	74.00	-26.17	-35.71	Horizontal

Note:

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

 Result = Reading + Corrected Factor
- 3. Display the measurement of peak values.



Model:

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Report No.: ATE20171768

Page 31 of 51

Job No.: yjzh1 #173 Polarization: Vertical Standard: FCC PK Power Source: DC 5V

 Test item:
 Radiation Test
 Date: 2017/09/01

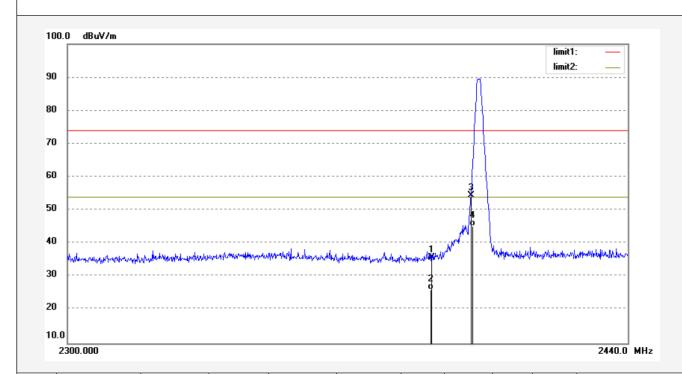
 Temp.(C)/Hum.(%) 25 C / 55 %
 Time: 19:13:53

EUT: Mini BT Speaker Engineer Signature: YJZH Mode: TX 2402 MHz Distance: 3m

Manufacturer: GOOD EVER TRADING LIMITED

Note: Report NO.: ATE20171768

CB-335092



No	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2390.000	39.64	-3.96	35.68	74.00	-38.32	peak	150	224	
2	2390.000	30.11	-3.96	26.15	54.00	-27.85	AVG	150	224	
3	2400.000	58.46	-3.91	54.55	74.00	-19.45	peak	150	136	
4	2400.000	49.23	-3.91	45.32	54.00	-8.68	AVG	150	136	



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Report No.: ATE20171768

Page 32 of 51

Polarization: Horizontal Power Source: DC 5V

Date: 2017/09/01 Time: 19:15:00

Engineer Signature: YJZH

Distance: 3m

Job No.: yjzh1 #174 Standard: FCC PK

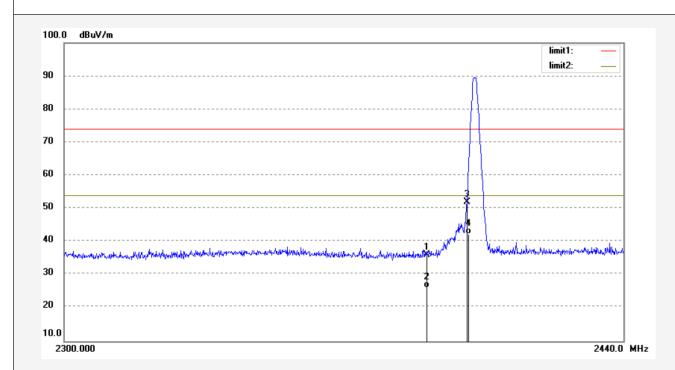
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Mini BT Speaker Mode: TX 2402 MHz

Model: CB-335092

Manufacturer: GOOD EVER TRADING LIMITED

Note: Report NO.: ATE20171768



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2390.000	39.88	-3.96	35.92	74.00	-38.08	peak	150	74	
2	2390.000	30.01	-3.96	26.05	54.00	-27.95	AVG	150	74	
3	2400.000	55.96	-3.91	52.05	74.00	-21.95	peak	150	47	
4	2400.000	46.12	-3.91	42.21	54.00	-11.79	AVG	150	47	





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Report No.: ATE20171768

Page 33 of 51

Job No.: yjzh1 #175
Standard: FCC PK
Test item: Radiation Test

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

EUT: Mini BT Speaker Mode: TX 2480 MHz

Model: CB-335092

Manufacturer: GOOD EVER TRADING LIMITED

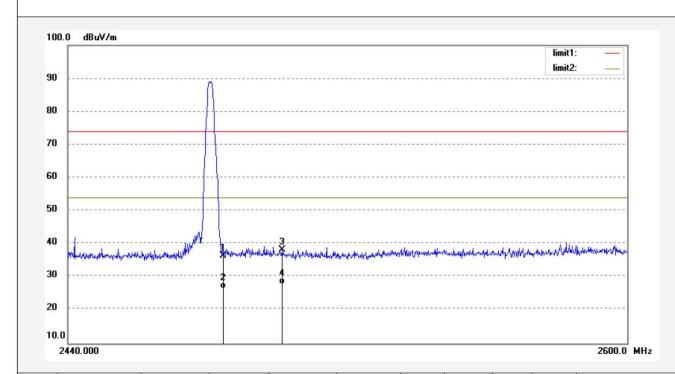
Note: Report NO.: ATE20171768

Polarization: Horizontal Power Source: DC 5V

Date: 2017/09/01 Time: 19:17:51

Engineer Signature: YJZH

Distance: 3m



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	39.84	-3.50	36.34	74.00	-37.66	peak	150	301	
2	2483.500	30.12	-3.50	26.62	54.00	-27.38	AVG	150	301	
3	2500.000	41.71	-3.42	38.29	74.00	-35.71	peak	150	154	
4	2500.000	31.25	-3.42	27.83	54.00	-26.17	AVG	150	154	



Report No.: ATE20171768 Page 34 of 51



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Job No.: yjzh1 #176 Polarization: Vertical Standard: FCC PK Power Source: DC 5V Test item: Radiation Test Date: 2017/09/01

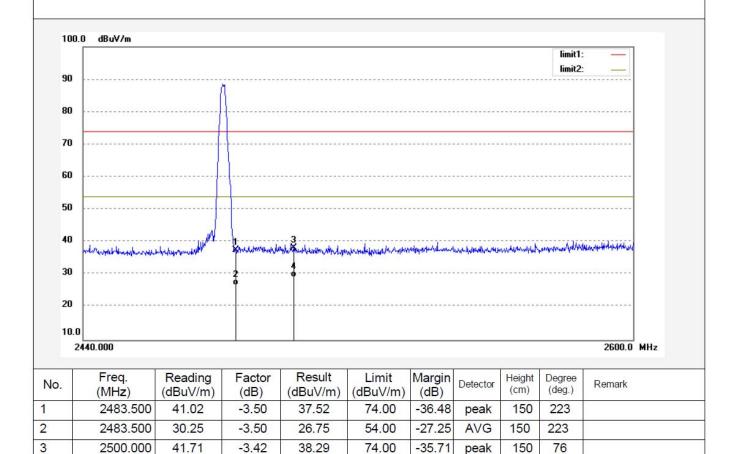
Temp.(C)/Hum.(%) 25 C / 55 % Time: 19:19:11

EUT: Mini BT Speaker Engineer Signature: YJZH Mode: TX 2480 MHz Distance: 3m

Model: CB-335092

Manufacturer: GOOD EVER TRADING LIMITED

Note: Report NO.: ATE20171768



Note:

4

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

29.14

-3.42

2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

54.00

-24.86

AVG

150

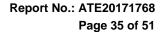
76

Result = Reading + Corrected Factor

32.56

2500.000

3. Display the measurement of peak values.

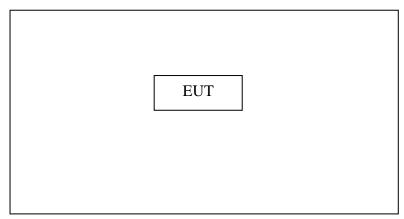




10. RADIATED SPURIOUS EMISSION TEST

10.1.Block Diagram of Test Setup

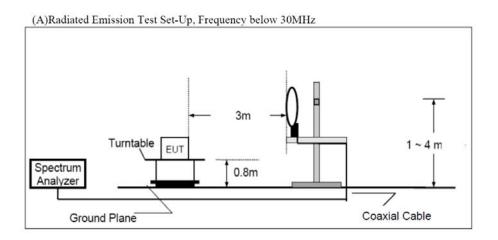
10.1.1.Block diagram of connection between the EUT and peripherals



Setup: Transmitting mode

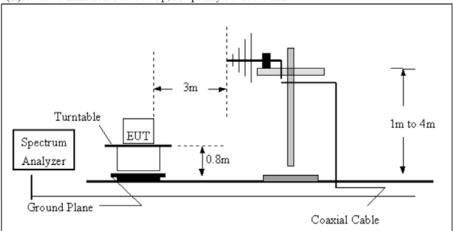
(EUT: Mini BT Speaker)

10.1.2.Semi-Anechoic Chamber Test Setup Diagram

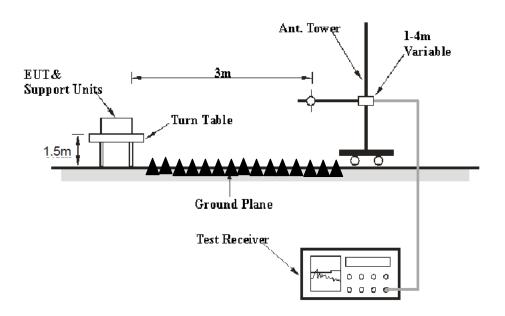




(B)Radiated Emission Test Set-Up, Frequency 30-1000MHz



(C) Radiated Emission Test Set-Up, Frequency above 1GHz



10.2. The Limit For Section 15.247(d)

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



Report No.: ATE20171768 Page 37 of 51

10.3.Restricted bands of operation

10.3.1.FCC Part 15.205 Restricted bands of operation

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

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

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

(b) Except as provided in paragraphs (d) and (e), the field strength of emission appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000MHz, Compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000MHz, compliance with the emission limits in Section15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

10.4. Configuration of EUT on Measurement

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

10.5. Operating Condition of EUT

- 10.5.1. Setup the EUT and simulator as shown as Section 10.1.
- 10.5.2. Turn on the power of all equipment.
- 10.5.3.Let the EUT work in TX modes measure it. The transmit frequency are

²Above 38.6



Report No.: ATE20171768

Page 38 of 51 2402-2480MHz. We select 2402MHz, 2440MHz, and 2480MHz TX frequency to

10.6.Test Procedure

transmit.

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground(Below 1GHz). The EUT and its simulators are placed on a turntable, which is 1.5 meter high above ground(Above 1GHz). The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bi-log antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the EUT location must be manipulated according to ANSI C63.10:2013 on radiated emission measurement. The EUT was tested in 3 orthogonal planes.

The bandwidth of test receiver is set at 9 kHz in below 30MHz. and set at 120 kHz in 30-1000MHz, and 1MHz in above 1000MHz.

The frequency range from 9 kHz to 25GHz is checked.

The final measurement in band 9-90 kHz, 110-490 kHz and above 1000MHz is performed with Average detector. Except those frequency bands mention above, the final measurement for frequencies below 1000MHz is performed with Quasi Peak detector.

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

Result = Reading + Corrected Factor

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

10.7.Data Sample

Frequency	Reading	Factor	Result	Limit	Margin	Remark
(MHz)	(dBμv)	(dB/m)	(dBμv/m)	(dBμv/m)	(dB)	
31.5125	32.71	-15.07	17.64	40.00	-22.36	QP

Frequency(MHz) = Emission frequency in MHz

Reading($dB\mu\nu$) = Uncorrected Analyzer/Receiver reading

Factor (dB/m) = Antenna factor + Cable Loss – Amplifier gain

Result($dB\mu v/m$) = Reading($dB\mu v$) + Factor(dB/m)

Limit $(dB\mu v/m) = Limit$ stated in standard

Margin (dB) = Result(dB μ v/m) - Limit (dB μ v/m)

QP = Quasi-peak Reading

Calculation Formula:

 $Margin(dB) = Result (dB\mu V/m) - Limit(dB\mu V/m)$

Result($dB\mu V/m$)= Reading($dB\mu V$)+ Factor(dB/m)

The "Margin" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -7dB means the emission is 7dB below the limit.



Report No.: ATE20171768 Page 39 of 51

10.8. The Field Strength of Radiation Emission Measurement Results PASS.

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. *: Denotes restricted band of operation.

3. The radiation emissions from 18-25GHz are not reported, because the test values lower than the limits of 20dB.



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Job No.: frank2017 #466 Standard: FCC Class B 3M Radiated

Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Mini BT Speaker

Mode: TX2402MHz Model: CB-335092

Manufacturer: GOOD EVER TRADING LIMITED

Note: Report NO.:ATE20171768

en,P.R.China Fax:+86-0755-2

Polarization: Horizontal

Power Source: DC 5V

Date: 17/09/01 Time: 14/40/23

Engineer Signature: YJZH

									limit1:	-	
60											
50											
40											
30										6 gg j. Jy Mig	
20					3 0	5		The Arall	proprietal planter	m+"	
	0 2				A MAN	Like Jul	whatnhaton	MAN-CH AL			
	Manda Mandad	happy	ndopiopheringeniale.	pporalespirathian		n _a Aphiliparelyh	horfeter/harry	Addition to			
0.0	2 2 3 3 30.000 40	50 60 70		yardahradhan l		300			600 70		
	30.000 40 Freq. (MHz)	50 60 70 Reading (dBuV/m)		Result (dBuV/m)	Limit (dBuV/m)						
0.0	Freq.	Reading	Factor	Result	Limit	300 Margin) 400	500 Height	600 70 Degree	00 1000.0	
0.0	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	300 Margin (dB)	Detector	Height (cm)	Degree (deg.)	00 1000.0	
0.0	Freq. (MHz) 32.0711	Reading (dBuV/m) 31.28	Factor (dB) -15.22	Result (dBuV/m)	Limit (dBuV/m) 40.00	300 Margin (dB) -23.94	Detector QP	Height (cm)	Degree (deg.)	00 1000.0	
0.0	Freq. (MHz) 32.0711 44.9369	Reading (dBuV/m) 31.28 31.36	Factor (dB) -15.22 -18.91	Result (dBuV/m) 16.06 12.45	Limit (dBuV/m) 40.00 40.00	300 Margin (dB) -23.94 -27.55	Detector QP QP	Height (cm) 100	Degree (deg.) 145	00 1000.0	
0.0	Freq. (MHz) 32.0711 44.9369 182.5784	Reading (dBuV/m) 31.28 31.36 37.26	Factor (dB) -15.22 -18.91 -20.08	Result (dBuV/m) 16.06 12.45 17.18	Limit (dBuV/m) 40.00 40.00 43.50	300 Margin (dB) -23.94 -27.55 -26.32	Detector QP QP QP	Height (cm) 100 100	Degree (deg.) 145 246 320	00 1000.0	





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Report No.: ATE20171768

Page 40 of 51

Job No.: frank2017 #467 Polarization: Vertical Standard: FCC Class B 3M Radiated Power Source: DC 5V

 Test item:
 Radiation Test
 Date: 17/09/01

 Temp.(C)/Hum.(%)
 25 C / 55 %
 Time: 14/41/28

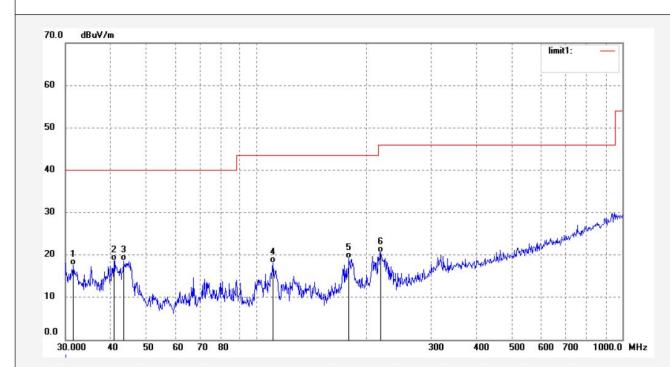
EUT: Mini BT Speaker Engineer Signature: YJZH

Mode: TX2402MHz Distance: 3m

Model: CB-335092

Manufacturer: GOOD EVER TRADING LIMITED

Note: Report NO.:ATE20171768



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	31.5125	32.71	-15.07	17.64	40.00	-22.36	QP	100	154	
2	40.7265	36.94	-18.22	18.72	40.00	-21.28	QP	100	113	
3	43.2332	37.26	-18.63	18.63	40.00	-21.37	QP	100	254	
4	110.8580	40.01	-21.83	18.18	43.50	-25.32	QP	100	306	
5	178.7697	39.69	-20.45	19.24	43.50	-24.26	QP	100	245	
6	218.4097	38.91	-18.40	20.51	46.00	-25.49	QP	100	257	





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Report No.: ATE20171768

Page 41 of 51

Job No.: frank2017 #468

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Mini BT Speaker

Mode: TX2440MHz Model: CB-335092

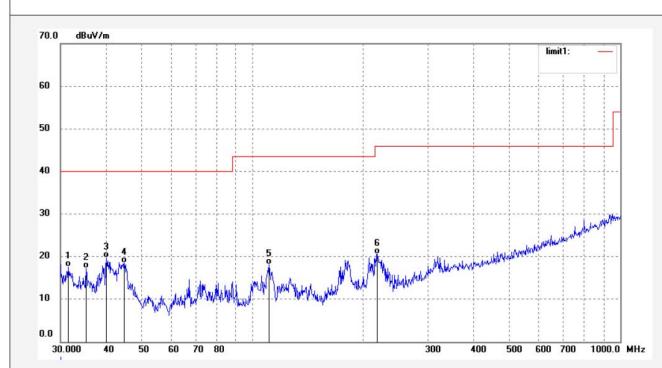
Manufacturer: GOOD EVER TRADING LIMITED

Note: Report NO.:ATE20171768

Polarization: Vertical Power Source: DC 5V

Date: 17/09/01 Time: 14/41/38

Engineer Signature: YJZH



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	31.5125	32.71	-15.07	17.64	40.00	-22.36	QP	100	76	
2	35.2625	33.22	-16.05	17.17	40.00	-22.83	QP	100	103	
3	40.0172	37.85	-18.10	19.75	40.00	-20.25	QP	100	251	
4	44.7792	37.36	-18.88	18.48	40.00	-21.52	QP	100	241	
5	110.8580	40.01	-21.83	18.18	43.50	-25.32	QP	100	136	
6	218.4097	38.91	-18.40	20.51	46.00	-25.49	QP	100	26	





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Report No.: ATE20171768

Page 42 of 51

Job No.: frank2017 #469 Polarization: Horizontal Standard: FCC Class B 3M Radiated Power Source: DC 5V

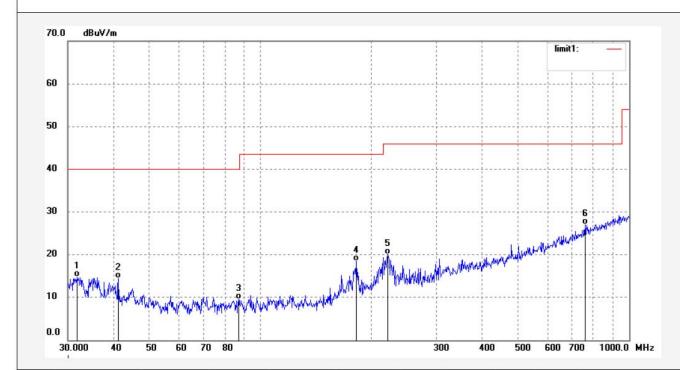
Test item: Radiation Test Date: 17/09/01
Temp.(C)/Hum.(%) 25 C / 55 % Time: 14/42/11

EUT: Mini BT Speaker Engineer Signature: YJZH

Mode: TX2440MHz Distance: 3m Model: CB-335092

Manufacturer: GOOD EVER TRADING LIMITED

Note: Report NO.:ATE20171768



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	31.7347	29.93	-15.14	14.79	40.00	-25.21	QP	100	119	*
2	41.1580	32.75	-18.30	14.45	40.00	-25.55	QP	100	210	*
3	87.2980	31.51	-21.94	9.57	40.00	-30.43	QP	100	151	
4	181.9380	38.60	-20.14	18.46	43.50	-25.04	QP	100	310	
5	221.5010	38.39	-18.37	20.02	46.00	-25.98	QP	100	230	
6	760.2866	31.90	-4.91	26.99	46.00	-19.01	QP	100	115	



Model:

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Site: 1# Chamber

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Report No.: ATE20171768

Job No.: frank2017 #470 Polarization: Horizontal Standard: FCC Class B 3M Radiated Power Source: DC 5V

 Test item:
 Radiation Test
 Date: 17/09/01

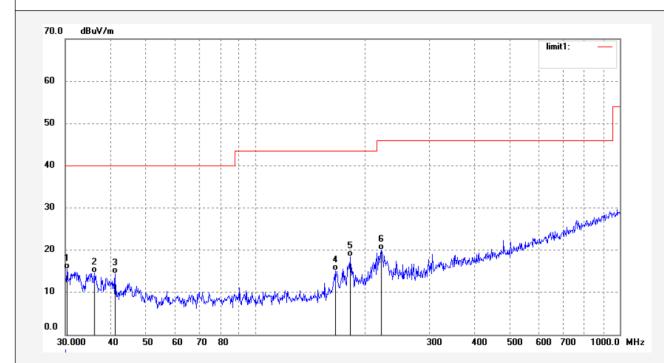
 Temp.(C)/Hum.(%)
 25 C / 55 %
 Time: 14/42/20

EUT: Mini BT Speaker Engineer Signature: YJZH Mode: TX2480MHz Distance: 3m

Manufacturer: GOOD EVER TRADING LIMITED

Note: Report NO.:ATE20171768

CB-335092



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	30.3179	30.19	-14.78	15.41	40.00	-24.59	QP	100	251	
2	36.1405	31.04	-16.45	14.59	40.00	-25.41	QP	100	135	
3	41.1580	32.75	-18.30	14.45	40.00	-25.55	QP	100	121	
4	166.0540	35.81	-20.72	15.09	43.50	-28.41	QP	100	102	
5	181.9380	38.60	-20.14	18.46	43.50	-25.04	QP	100	201	
6	221.5010	38.39	-18.37	20.02	46.00	-25.98	QP	100	322	





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Report No.: ATE20171768

Page 44 of 51

Job No.: frank2017 #471 Polarization: Vertical Standard: FCC Class B 3M Radiated Power Source: DC 5V

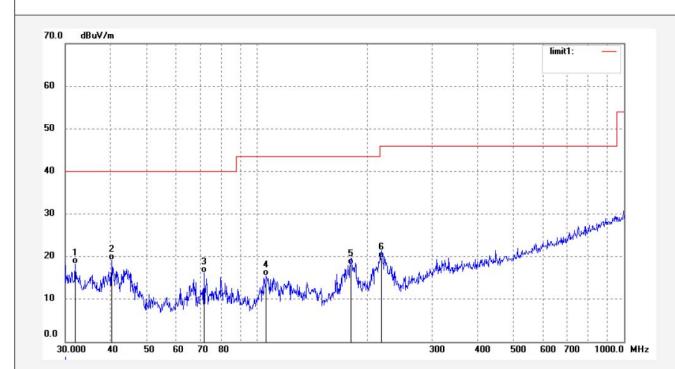
Test item: Radiation Test Date: 17/09/01
Temp.(C)/Hum.(%) 25 C / 55 % Time: 14/44/06

EUT: Mini BT Speaker Engineer Signature: YJZH Mode: TX2480MHz Distance: 3m

Model: CB-335092

Manufacturer: GOOD EVER TRADING LIMITED

Note: Report NO.:ATE20171768



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	31.9586	33.55	-15.19	18.36	40.00	-21.64	QP	100	135	
2	40.1580	37.25	-18.13	19.12	40.00	-20.88	QP	100	210	
3	71.7053	38.33	-22.16	16.17	40.00	-23.83	QP	100	115	
4	105.9084	38.12	-22.56	15.56	43.50	-27.94	QP	100	302	
5	180.0302	38.45	-20.33	18.12	43.50	-25.38	QP	100	135	
6	218.4097	38.15	-18.40	19.75	46.00	-26.25	QP	100	222	





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Report No.: ATE20171768

Page 45 of 51

Job No.: yjzh1 #167 Polarization: Vertical Standard: FCC Class B 3M Radiated Power Source: DC 5V

Date: 2017/09/01 Time: 18:31:50

Engineer Signature: YJZH

Distance: 3m

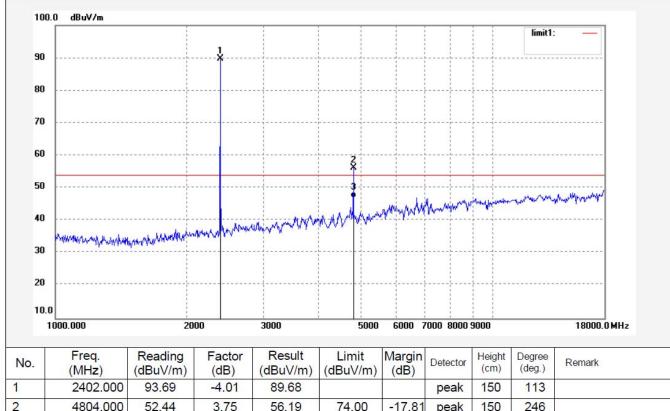
Test item: Radiation Test Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Mini BT Speaker Mode: TX 2402 MHz

Model: CB-335092

Manufacturer: GOOD EVER TRADING LIMITED

Note: Report NO.: ATE20171768



	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
33	1	2402.000	93.69	-4.01	89.68			peak	150	113	
33	2	4804.000	52.44	3.75	56.19	74.00	-17.81	peak	150	246	
35	3	4804.000	43.25	3.75	47.00	54.00	-7.00	AVG	150	246	



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Report No.: ATE20171768

Page 46 of 51

Job No.: yjzh1 #168

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Mini BT Speaker Mode: TX 2402 MHz Model: CB-335092

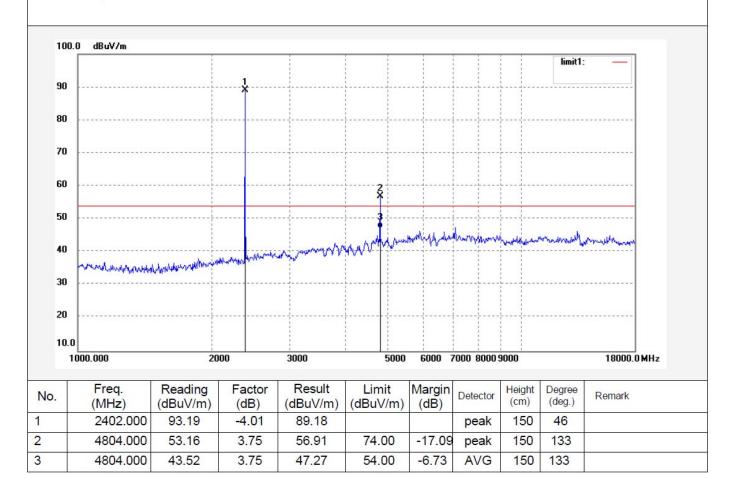
Manufacturer: GOOD EVER TRADING LIMITED

Note: Report NO.: ATE20171768

Polarization: Horizontal
Power Source: DC 5V

Date: 2017/09/01 Time: 18:36:09

Engineer Signature: YJZH







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Report No.: ATE20171768

Page 47 of 51

Job No.: yjzh1 #169 Polarization: Horizontal Standard: FCC Class B 3M Radiated Power Source: DC 5V

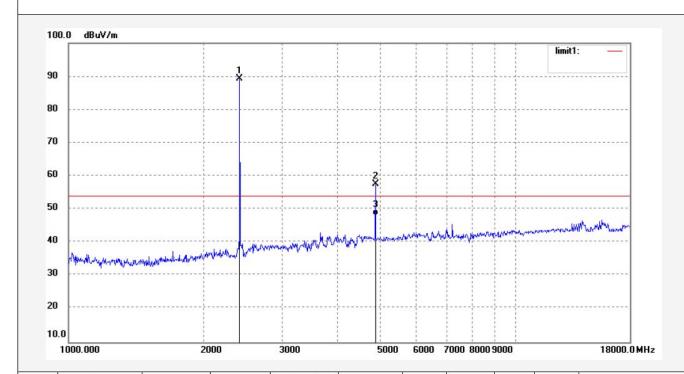
Test item: Radiation Test Date: 2017/09/01
Temp.(C)/Hum.(%) 25 C / 55 % Time: 18:39:32

EUT: Mini BT Speaker Engineer Signature: YJZH

Mode: TX 2440 MHz Distance: 3m Model: CB-335092

Manufacturer: GOOD EVER TRADING LIMITED

Note: Report NO.: ATE20171768



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	93.10	-3.83	89.27			peak	150	101	
2	4880.000	53.50	4.00	57.50	74.00	-16.5	peak	150	210	
3	4880.000	44.12	4.00	48.12	54.00	-5.88	AVG	150	210	



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Distance: 3m

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Report No.: ATE20171768

Page 48 of 51

Job No.: yjzh1 #170 Polarization: Vertical Standard: FCC Class B 3M Radiated Power Source: DC 5V

 Test item:
 Radiation Test
 Date: 2017/09/01

 Temp.(C)/Hum.(%) 25 C / 55 %
 Time: 18:42:41

 EUT:
 Mini BT Speaker
 Engineer Signature: YJZH

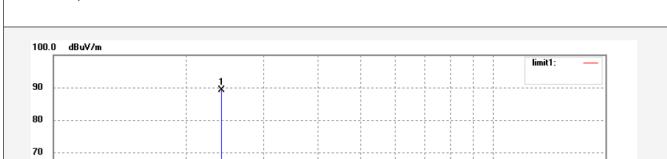
EUT: Mini BT Speaker

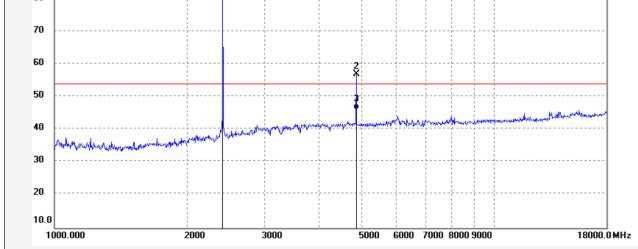
Mode: TX 2440 MHz

Model: CB-335092

Note: Report NO.: ATE20171768

Manufacturer: GOOD EVER TRADING LIMITED





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	93.10	-3.83	89.27			peak	150	87	
2	4880.000	53.00	4.00	57.00	74.00	-17.0	peak	150	110	
3	4880.000	42.13	4.00	46.13	54.00	-7.87	AVG	150	110	



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Report No.: ATE20171768

Page 49 of 51

Job No.: yjzh1 #171

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Mini BT Speaker Mode: TX 2480 MHz Model: CB-335092

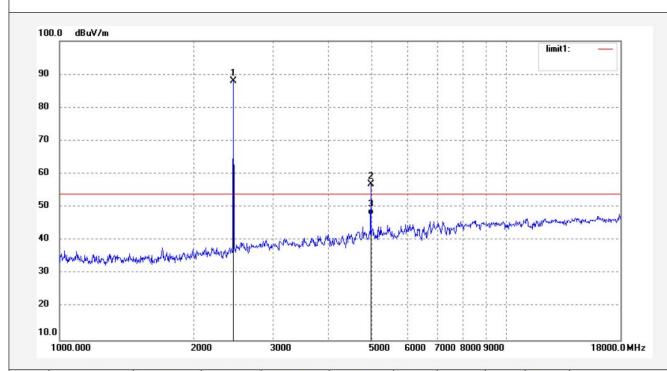
Manufacturer: GOOD EVER TRADING LIMITED

Note: Report NO.: ATE20171768

Polarization: Vertical Power Source: DC 5V

Date: 2017/09/01 Time: 18:56:33

Engineer Signature: YJZH



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	91.56	-3.67	87.89			peak	150	167	
2	4960.000	52.51	4.49	57.00	74.00	-17.0	peak	150	57	
3	4960.000	43.23	4.49	47.72	54.00	-6.28	AVG	150	57	





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Report No.: ATE20171768

Page 50 of 51

Job No.: yjzh1 #172 Polarization: Horizontal Power Source: DC 5V Test item: Radiation Test

Date: 2017/09/01 Time: 18:58:58

Engineer Signature: YJZH

Distance: 3m

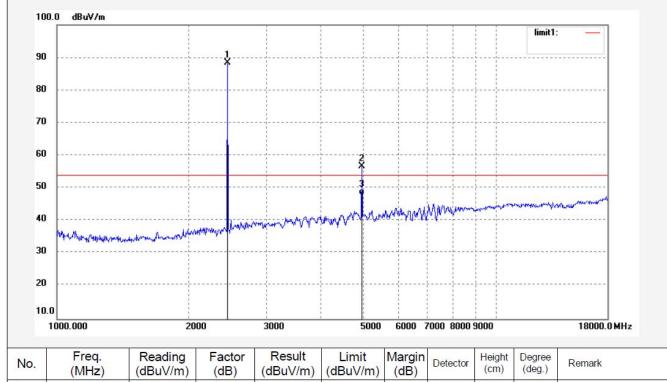
Standard: FCC Class B 3M Radiated

EUT: Mini BT Speaker Mode: TX 2480 MHz Model: CB-335092

Manufacturer: GOOD EVER TRADING LIMITED

Report NO.: ATE20171768 Note:

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



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	92.06	-3.67	88.39			peak	150	331	
2	4960.000	52.17	4.42	56.59	74.00	-17.41	peak	150	287	
3	4960.000	43.56	4.42	47.98	54.00	-6.02	AVG	150	287	



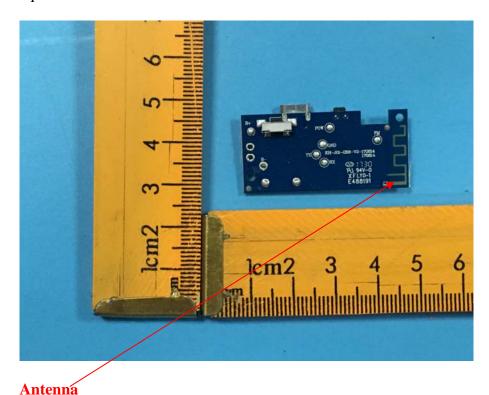
11.ANTENNA REQUIREMENT

11.1.The Requirement

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

11.2.Antenna Construction

Device is equipped with external Antenna, which isn't displaced by other antenna. The Antenna gain of EUT is 1.0dBi. Therefore, the equipment complies with the antenna requirement of Section 15.203.



FCC ID: 2AM7T-CB-335092