



Report No.: FCC 1911048-03 File Reference No.: 2020-04-01

Applicant: Shenzhen Jingwah Information Technology Co., Ltd.

Product: Wireless Bluetooth Speaker

Model No.: BKS800

Trademark: Brookstone

Test Standards: FCC Part 15.247

Test Result:

It is herewith confirmed and found to comply with the

requirements set up by ANSI C63.10, FCC Part 15.247 for

the evaluation of electromagnetic compatibility

Approved By

Jack Chung

Jack Chung

Manager

Dated: April 01, 2020

Results appearing herein relate only to the sample tested The technical reports is issued errors and omissions exempt and is subject to withdrawal at

SHENZHEN TIMEWAY TESTING LABORATORIES

Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China

Tel (755) 83448688, Fax (755) 83442996, E-Mail:info@timeway-lab.com

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Special Statement:

The testing quality ability of our laboratory meet with "Quality Law of People's Republic of China" Clause 19.

The testing quality system of our laboratory meet with ISO/IEC-17025 requirements, which is approved by CNAL. This approval result is accepted by MRA of APLAC.

Our test facility is recognized, certified, or accredited by the following organizations:

CNAS-LAB Code: L2292

The EMC Laboratory has been assessed and in compliance with CNAS-CL01 accreditation criteria for testing Laboratories (identical to ISO/IEC 17025:2005 General Requirements) for the Competence of testing Laboratories.

FCC-Registration No.: 744189

The EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 744189.

Industry Canada (IC) — Registration No.:5205A

The EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 5205A.

A2LA (Certification Number:5013.01)

The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (A2LA). Certification Number:5013.01

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Test Report Conclusion

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1.0 General Details

1.1 Test Lab Details

Name: SHENZHEN TIMEWAY TESTING LABORATORIES.

Address: Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le

Village, Nanshan District, Shenzhen, China

Telephone: (755) 83448688 Fax: (755) 83442996

1.2 Applicant Details

Applicant: Shenzhen Jingwah Information Technology Co., Ltd.

Address: 6F, Bldg.4, Jinghua Square, No. 168, Zhenzhong Rd., Fuqiang Community, Huaqiangbei, Futian

District, Shenzhen

Telephone: 0755-84688843 Fax: 0755-83976520

1.3 Description of EUT

Product: Wireless Bluetooth Speaker

Manufacturer: Shenzhen Jingwah Information Technology Co., Ltd.

Address: 6F, Bldg.4, Jinghua Square, No. 168, Zhenzhong Rd., Fuqiang Community,

Huaqiangbei, Futian District, Shenzhen

Brand Name: Brookstone

Additional Brand Name: N/A Model Number: BKS800

Additional Model Number: N/A

Type of Modulation GFSK (Bluetooth BLE)

Frequency range 2402-2480MHz Frequency Selection By software

Channel Number 40

Input: DC20V,3.25A

Battery: DC11.1V, 5000mAh,55.5wh, 18650 Li-ion battery

Power Supply: Model: JHD-AD065C-200325; Input:100-240V~, 50/60Hz, 1.5A;

Output: DC20V, 3.25A

1.4 Submitted Sample: 1 Samples

1.5 Test Duration

2019-11-07 to 2020-04-01

The report refers only to the sample tested and does not apply to the bulk.

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1.6 Test Uncertainty

Conducted Emissions Uncertainty =3.6dB
Radiated Emissions below 1GHz Uncertainty =4.7dB
Radiated Emissions above 1GHz Uncertainty =6.0dB
Conducted Power Uncertainty =6.0dB
Occupied Channel Bandwidth Uncertainty =5%

1.7 Test Engineer

The sample tested by

Print Name: Terry Tang

Terry lang

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2.0 Test Equipment					
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date
ESPI Test Receiver	R&S	ESPI 3	100379	2019-06-21	2020-06-20
TWO Line-V-NETW	R&S	EZH3-Z5	100294	2019-06-21	2020-06-20
TWO Line-V-NETW	R&S	EZH3-Z5	100253	2019-06-21	2020-06-20
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2019-06-21	2020-06-20
Loop Antenna	EMCO	6507	00078608	2020-06-20	2020-06-20
Spectrum	R&S	FSIQ26	100292	2019-06-21	2020-06-20
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2019-06-21	2020-06-20
Horn Antenna	R&S	BBHA 9120D	9120D-631	2018-07-09	2021-07-08
Power meter	Anritsu	ML2487A	6K00003613	2019-08-22	2020-08-21
Power sensor	Anritsu	MA2491A	32263	2019-08-22	2020-08-21
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2018-07-04	2021-07-03
9*6*6 Anechoic			N/A	2018-02-07	2021-02-06
EMI Test Receiver	RS	ESVB	826156/011	2019-06-21	2020-06-20
EMI Test Receiver	RS	ESH3	860904/006	2019-06-21	2020-06-20
Spectrum	HP/Agilent	ESA-L1500A	US37451154	2019-06-21	2020-06-20
Spectrum	HP/Agilent	E4407B	MY50441392	2019-06-21	2020-06-20
Spectrum	RS	FSP	1164.4391.38	2020-01-18	2021-01-17
RF Cable	Zhengdi	ZT26-NJ-NJ-8 M/FA		2019-06-21	2020-06-20
RF Cable	Zhengdi	7m		2019-06-21	2020-06-20
RF Switch	EM	EMSW18	060391	2019-06-21	2020-06-20
Pre-Amplifier	Schwarebeck	BBV9743	#218	2019-06-21	2020-06-20
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2019-06-21	2020-06-20
LISN	SCHAFFNER	NNB42	00012	2020-01-07	2021-01-06

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3.0 **Technical Details**

3.1 **Summary of test results**

The EUT has been tested ac	ccording to the following speci	fications:	
Standard	Test Type	Result	Notes
CC Part 15, Paragraph 15.107 & 15.207	Conducted Emission Test	PASS	Complies
FCC Part 15 Subpart C	Spectrum bandwidth of a Orthogonal Frequency Division Multiplex System	PASS	Complies
Paragraph 15.247(a)(2) Limit	Limit: 6dB bandwidth>500kHz		
FCC Part 15, Paragraph 15.247(b)	Maximum peak output power Limit: max. 30dBm	PASS	Complies
FCC Part 15, Paragraph 15.109,15.205 & 15.209	Transmitter Radiated Emission Limit: Table 15.209	PASS	Complies
FCC Part 15, Paragraph 15.247(e)	Power Spectral Density Limit: max. 8dBm	PASS	Complies
FCC Part 15, Paragraph 15.247(d)	Out of Band Emission and Restricted Band Radiation Limit: 20dB less than peak value of fundamental frequency Restricted band limit: Table 15.209	PASS	Complies

3.2 **Test Standards**

FCC Part 15 Subpart & Subpart C, Paragraph 15.247

EUT Modification 4.0

No modification by SHENZHEN TIMEWAY TESTING LABORATORIES.

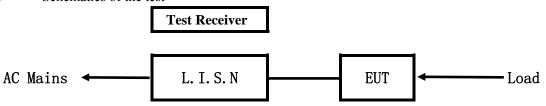
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5.Power Line Conducted Emission Test

5.1 Schematics of the test

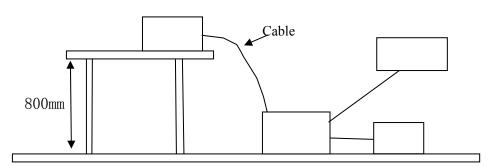


EUT: Equipment Under Test

5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.10-2013. The Frequency spectrum From 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSI C63.10 –2013.

Test Voltage: 120V~, 60Hz Block diagram of Test setup



5.3 Configuration of The EUT

The EUT was configured according to ANSI C63.10-2013. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below.

A. EUT

Device		Manufacturer	Model	FCC ID
Wirel	ess Bluetooth	Shenzhen Jingwah Information	BKS800	RBD-BKS800
	Speaker	Technology Co., Ltd.	DKS000	KDD-DK5000

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B. Internal Device

Device	Manufacturer	Model	Rating

C. Peripherals

Device	Manufacturer	Model	Rating
N/A			

5.4 EUT Operating Condition

Operating condition is according to ANSI C63.10-2013.

- A Setup the EUT and simulators as shown on follow
- B Enable AF signal and confirm EUT active to normal condition

5.5 Power line conducted Emission Limit according to Paragraph 15.207 and 15.107

Frequency	Class A Lim	its (dB µ V)	Class B Limits (dB µ V)		
(MHz)	uasi-peak Level	Average Level	Quasi-peak Level	Average Level	
$0.15 \sim 0.50$	79.0	66.0	66.0~56.0*	56.0~46.0*	
$0.50 \sim 5.00$	73.0	60.0	56.0	46.0	
$5.00 \sim 30.00$	73.0	60.0	60.0	50.0	

Notes:

- 1. *Decreasing linearly with logarithm of frequency.
- 2. The tighter limit shall apply at the transition frequencies

5.6 Test Results

The frequency spectrum from 0.15MHz to 30MHz was investigated. All reading are quasi-peak values with a resolution bandwidth of 9kHz.

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A: Conducted Emission on Live Terminal (150kHz to 30MHz)

EUT Operating Environment

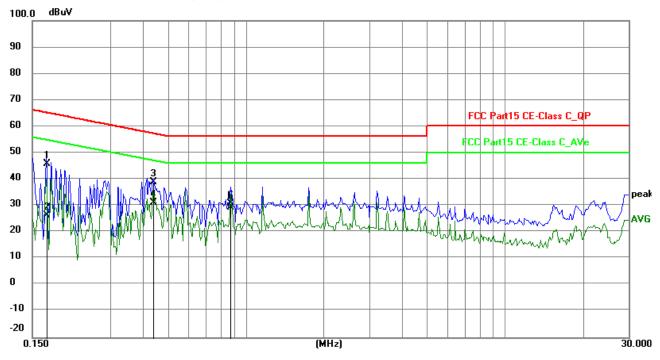
Temperature: 26°C Humidity: 65%RH Atmospheric Pressure: 101 KPa

EUT set Condition: Keep Bluetooth Transmitting

Equipment Level: Class B

Results: PASS

Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1695	36.15	9.77	45.92	64.98	-19.06	QP	Р
2	0.1695	16.64	9.77	26.41	54.98	-28.57	AVG	Р
3	0.4386	29.18	9.77	38.95	57.09	-18.14	QP	Р
4	0.4386	21.51	9.77	31.28	47.09	-15.81	AVG	Р
5	0.8754	19.59	9.79	29.38	56.00	-26.62	QP	Р
6	0.8754	21.20	9.79	30.99	46.00	-15.01	AVG	Р

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B: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

EUT Operating Environment

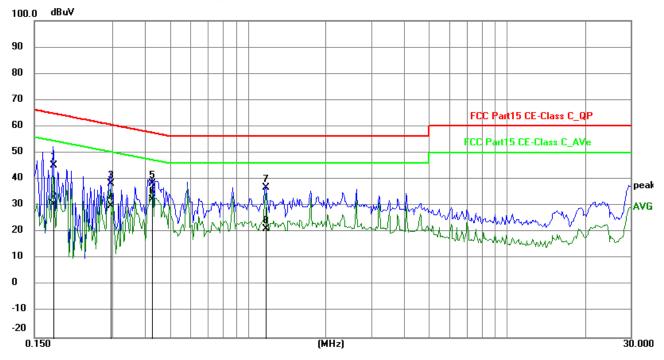
Temperature: 26°C Humidity: 65%RH Atmospheric Pressure: 101 KPa

EUT set Condition: Keep Bluetooth Transmitting

Equipment Level: Class B

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1773	35.40	9.77	45.17	64.61	-19.44	QP	Р
2	0.1773	20.74	9.77	30.51	54.61	-24.10	AVG	Р
3	0.2943	28.67	9.76	38.43	60.40	-21.97	QP	Р
4	0.2943	20.12	9.76	29.88	50.40	-20.52	AVG	Р
5	0.4269	28.71	9.77	38.48	57.31	-18.83	QP	Р
6	0.4269	22.50	9.77	32.27	47.31	-15.04	AVG	Р
7	1.1718	27.00	9.79	36.79	56.00	-19.21	QP	Р
8	1.1718	11.58	9.79	21.37	46.00	-24.63	AVG	Р

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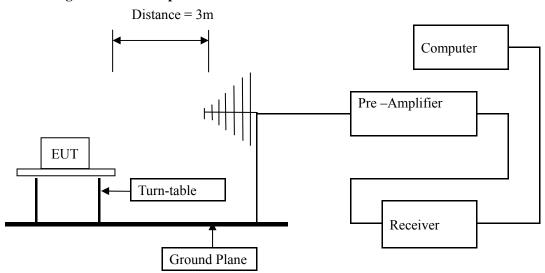
Date: 2020-04-01



6 Radiated Emission Test

- 6.1 Test Method and test Procedure:
- (1) The EUT was tested according to ANSI C63.10-2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No.744189
- (2) The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 0.8 m. All set up is according to ANSI C63.10-2013.
- (3) The frequency spectrum from 30 MHz to 25 GHz was investigated. All readings from 30 MHz to 1 GHz are Quasi-peak values with a resolution bandwidth of 120 kHz. For measurement above 1GHz, peak values with RBW=1MHz VBW=3MHz and PK detector. AV value with RBW=1MHz, VBW=3MHz and RMS detector. Measurements were made at 3 meters.
- (4) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (5) Maximizing procedure was performed on the six (6) highest emissions to ensure EUT compliance is with all installation combinations. All data was recorded in the peak detection mode. Quasi-peak readings was performed only when an emission was found to be marginal (within -4 dB of specification limit), and are distinguished with a "QP" in the data table.
- (6) The antenna polarization: Vertical polarization and Horizontal polarization.

Block diagram of Test setup



- 6.2 Configuration of The EUT
 Same as section 5.3 of this report
- 6.3 EUT Operating Condition
 Same as section 5.4 of this report.

The report refers only to the sample tested and does not apply to the bulk.

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6.4 Radiated Emission Limit

All emission from a digital device, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strength specified below:

Frequencies in restricted band are complied to limit on Paragraph 15.209 and 15.109

Frequency Range (MHz)	Distance (m)	Field strength (dB μ V/m)
30-88	3	40.0
88-216	3	43.5
216-960	3	46.0
Above 960	3	54.0

Note:

- 1. RF Voltage $(dBuV) = 20 \log RF \text{ Voltage } (uV)$
- 2. In the Above Table, the higher limit applies at the band edges.
- 3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT

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Test result General Radiated Emission Data and Harmonics Radiated Emission Data

Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Bluetooth Transmitting

Results: Pass

Test Figure:

No.	Frequency	Results	Factor	Limit	Over	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)			(cm)		
1	45.274	24.75	-11.40	40.0	-15.25	Peak	49.00	100	Н	Pass
2	79.458	24.67	-17.46	40.0	-15.33	Peak	230.00	100	Н	Pass
3	202.374	36.08	-13.39	43.5	-7.42	Peak	132.00	100	Н	Pass
4	226.133	37.57	-12.83	46.0	-8.43	Peak	112.00	100	Н	Pass
5	257.893	40.76	-11.84	46.0	-5.24	Peak	112.00	100	Н	Pass
6	300.320	40.12	-11.02	46.0	-5.88	Peak	105.00	100	Н	Pass

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Test result General Radiated Emission Data and Harmonics Radiated Emission Data

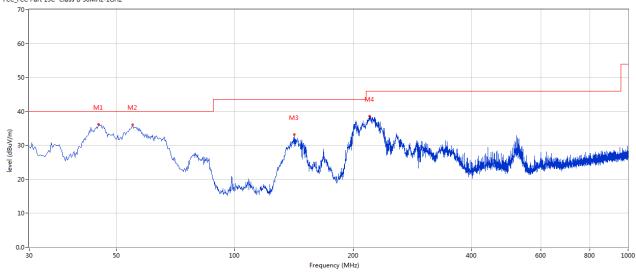
Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: **Keep Transmitting**

Results: Pass

Test Figure:

FCC_FCC Part 15C Class B 30MHz-1GHz



No.	Frequency	Results	Factor	Limit	Over	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)			(cm)		
1	45.031	36.23	-11.41	40.0	-3.77	Peak	41.00	100	٧	Pass
2	54.971	36.12	-11.77	40.0	-3.88	Peak	139.00	100	٧	Pass
3	141.765	33.17	-17.29	43.5	-10.33	Peak	353.00	100	٧	Pass
4	220.072	38.58	-13.32	46.0	-7.42	Peak	75.00	100	٧	Pass

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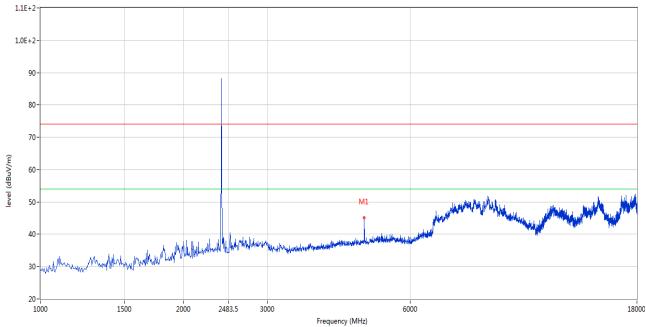


Test Figures above 1GHz:

Please refer to the following test plots for details:

Low Channel: Vertical





No.	Frequency	Results	Factor (dB)	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)		(dBuV/m)	(dB)		(o)	(cm)		
1	4802.799	45.05	3.12	54.0	-8.95	Peak	209.00	100	V	Pass

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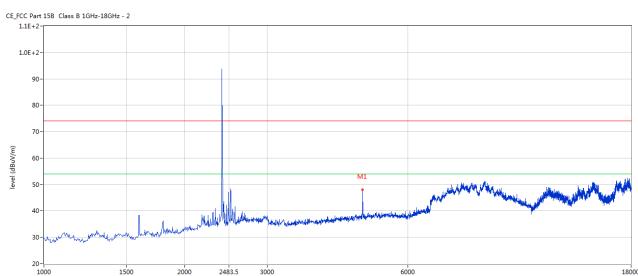
Low Channel: Horizontal

1500

2000

2483.5

3000



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	4802.799	48.97	3.12	54.0	-5.03	Peak	206.00	100	Н	Pass

Frequency (MHz)

6000

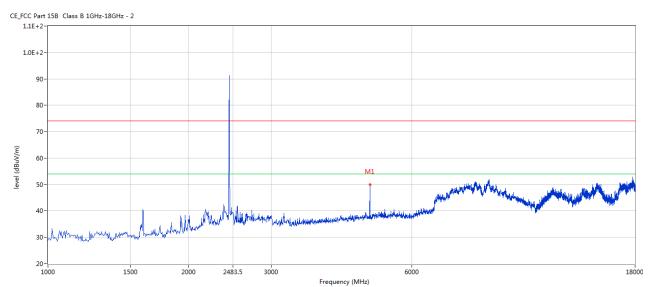
18000

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Middle Channel: Vertical



No	0.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1		4879.280	49.96	3.20	54.0	-4.04	Peak	8.00	100	٧	Pass

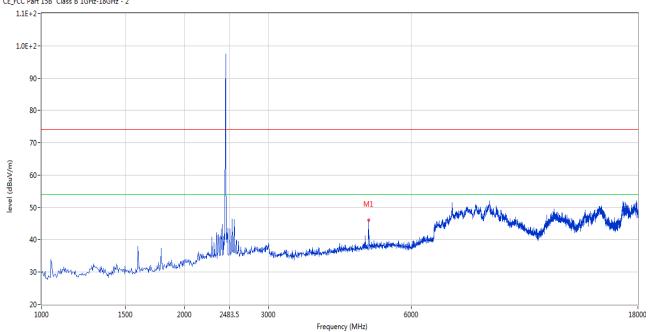
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Middle Channel: Horizontal

CE_FCC Part 15B Class B 1GHz-18GHz - 2



No.	Frequency	Results	Factor (dB)	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)		(dBuV/m)	(dB)		(o)	(cm)		
1	4879.280	47.17	3.20	4.0	-6.83	Peak	164.00	100	Н	Pass

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High Channel: Vertical



Ī	No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
	1	4960.010	46.79	3.36	54.0	-7.21	Peak	156.00	100	٧	Pass

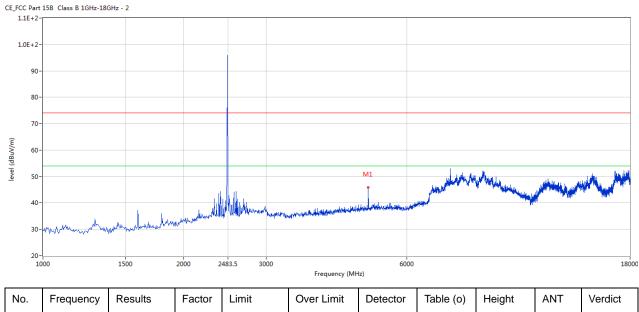
Frequency (MHz)

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High Channel: Horizontal



N	0.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1		4960.010	45.89	3.36	54.0	-8.11	Peak	159.00	100	Н	Pass

Note: 1. Level = Reading + AF + Cable - Preamp

- 2. For the radiated emissions above 18G, it is the floor noise.
- 3. The measured PK value less than the AV limit, no necessary to take down the AV measurement result.

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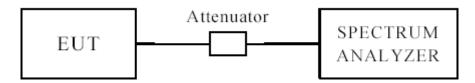
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7.0 6dB Bandwidth Measurement

7.1 Test Setup



7.2 Limits of 6dB Bandwidth Measurement

The minimum of 6dB Bandwidth Measurement is >500 kHz

7.3 Test Procedure

- 1. Set resolution bandwidth (RBW) = 100 kHz
- 2. Set the video bandwidth (VBW) \geq 3 x RBW.
- 3. Detector = Peak.
- 4. Trace mode = \max hold.
- 5. Sweep = auto couple.
- 6. Allow the trace to stabilize.
- 7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

7.4 Test Result

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6dB BW

EUT		Wireless Blueto	oth Speaker	Model			BKS800
Mode		Keep Trans	smitting	Input Voltag	e		120V~
Temperat	ure	24 deg. C,		Humidity :		56% RH	
Channel	Ch	annel Frequency (MHz)		andwidth !		inimum Limit (kHz)	Pass/ Fail
Low	Low 2402		739			0.5	Pass
Middle		2440	7	745		0.5	Pass
High		2480	7	745 0.5 Pass		Pass	

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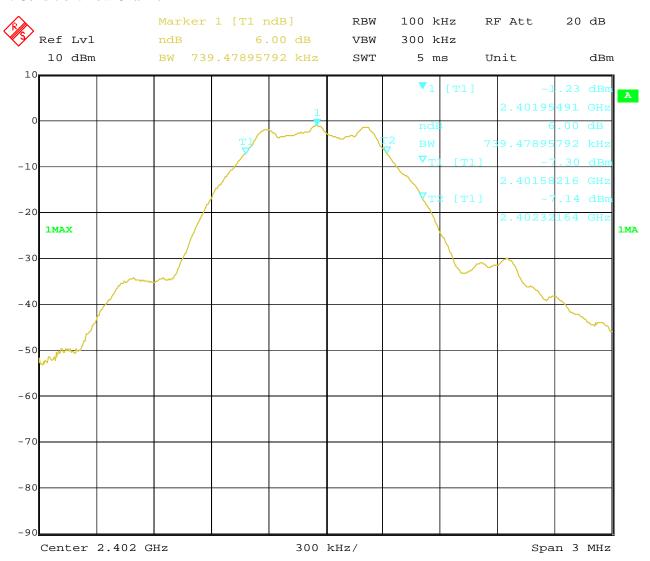
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Test Figure:

1. Condition: Low Channel



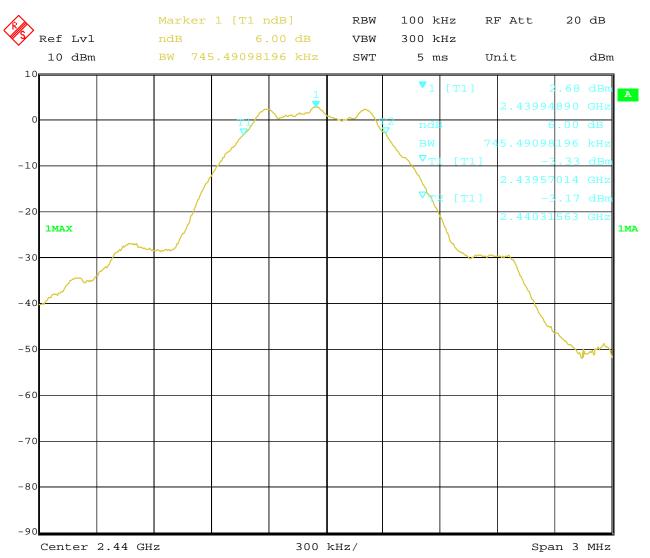
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2. Condition: Middle Channel

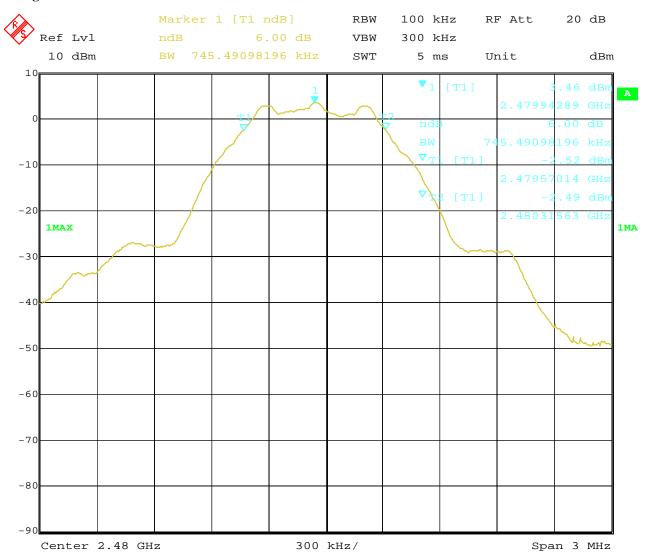


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3. High Channel



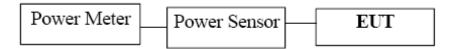
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8. Maximum Output Power

8.1 Test Setup



8.2 Limits of Maximum Output Power

The Maximum Output Power Measurement is 30dBm.

8.3 Test Procedure

The RF power output was measured with a Power meter connected to the RF Antenna connector (conducted measurement) while EUT was operating in transmit mode at the appropriate centre frequency.

Note: the Peak power were measured.

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8.4Test Results

EUT		Wireless Bluetoo	th Speaker	Model		BKS800	0	
Mode		Keep Transm	nitting	Input Voltage		120V~		
Temperatu	Temperature 24 de		C, Humidity			56% RH		
Channel	Cl	nannel Frequency	Max	Max. Power Output (dBm)			Pass/ Fail	
Chamer		(MHz)	Peak			Limit (dBm)		
Low		2402		-0.38		30	Pass	
Middle	Middle 2440			3.41		30	Pass	
High		2480		4.13		30	Pass	

Note: 1. the result basic equation calculation as follow:

Max. Power Output = Power Reading + Cable loss + Attenuator

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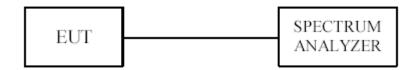
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9. Power Spectral Density Measurement

9.1 Test Setup



9.2 Limits of Power Spectral Density Measurement

The Maximum Power Spectral Density Measurement is 8dBm.

9.3 Test Procedure

- 1. Use this procedure when the maximum peak conducted output power in the fundamental emission is used to demonstrate compliance.
- 2. Set the RBW = 10 kHz.
- 3. Set the VBW \geq 30 kHz.
- 4. Set the span to 1.5 times the DTS channel bandwidth.
- 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.
- 11. The resulting peak PSD level must be ≤ 8 dBm.

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9.4Test Result

EUT		Wireles	ss Bluetooth	Speaker	Model	Bl	KS800
Mode		Ke	eep Transmitt	ing	Input Voltage	1	20V~
Temperat	ure		24 deg. C,		Humidity	56	5% RH
Channel	Channel Peak Pow Reading (dBm)		Cable Loss (dB)	Final Power Spectral Density (dBm)		Maximum Limit (dBm)	Pass/ Fail
	(4211)						
Low	Low -9.03		0.2	-	-8.83	8	Pass
Middle	-4	4.97	0.2	-	-4.77	8	Pass
High	-4	4.44	0.2		-4.24	8	Pass

Note: The result basic equation calculation as follow:

Peak Power Output = Peak Power Reading + Cable loss

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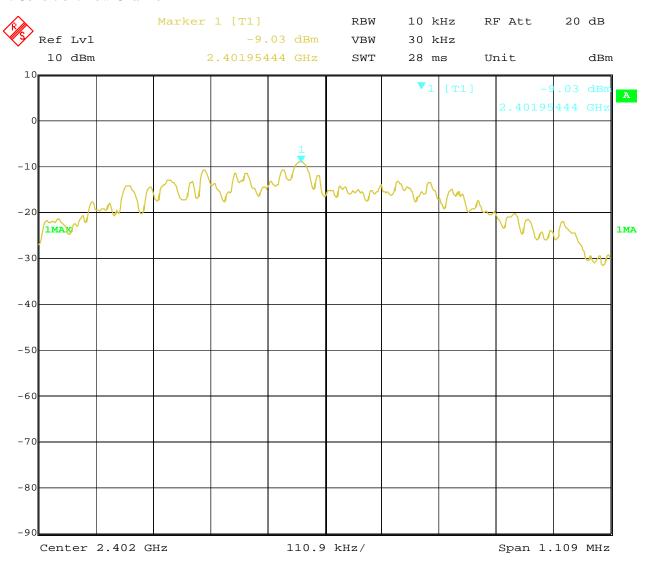
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Test Figure:

1. Condition: Low Channel



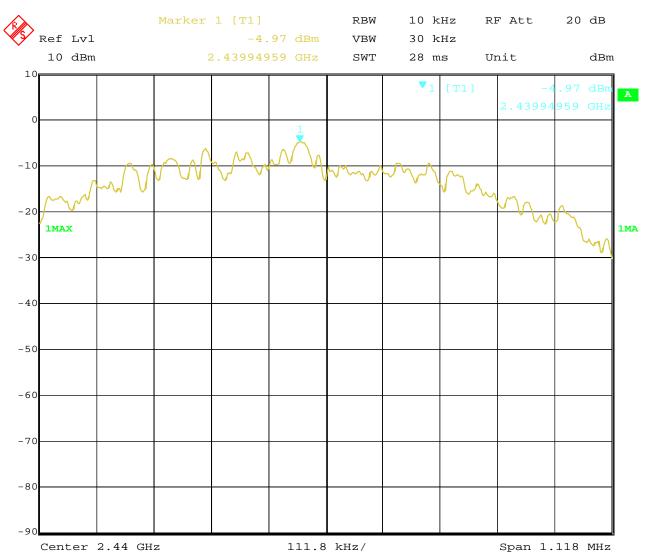
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2. Condition: Middle Channel

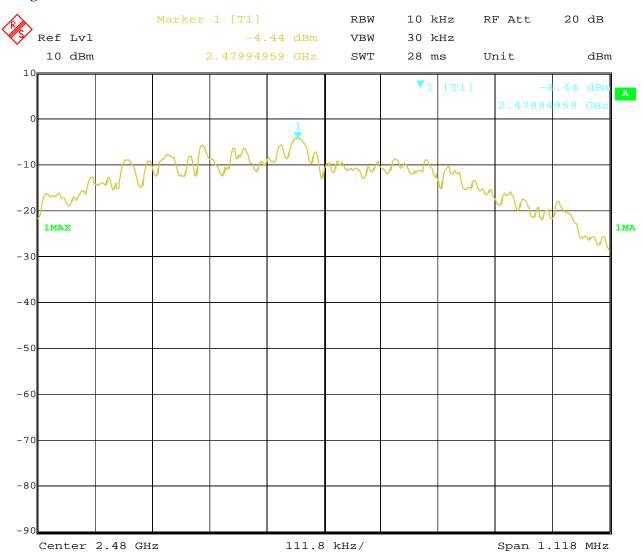


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3. High Channel



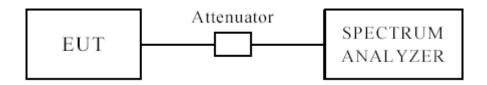
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10 Out of Band Measurement 10.1 Test Setup for band edge



The restricted band requirement based on radiated emission test; please see the clause 6 for the test setup

10.2 Limits of Out of Band Emissions Measurement

- 1. Below –20dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).
- 2. Fall in the restricted bands listed in section 15.205. The maximum permitted average field strength is listed in section 15.209.

10.3 Test Procedure

For signals in the restricted bands above and below the 2.4-2.483GHz allocated band a measurement was made of Radiated emission test. (Peak values with RBW=1MHz, VBW=3MHz and PK detector. AV value with RBW=1MHz, VBW=3MHz and RMS detector)

For bandage test, the spectrum set as follows: RBW=100 kHz, VBW=300 kHz. A conducted measurement used

10.4 Test Result

Please see next pages

Note: 1. For band-edge measurement, the frequency from 30MHz-25GHz was tested. And It met the FCC rule.

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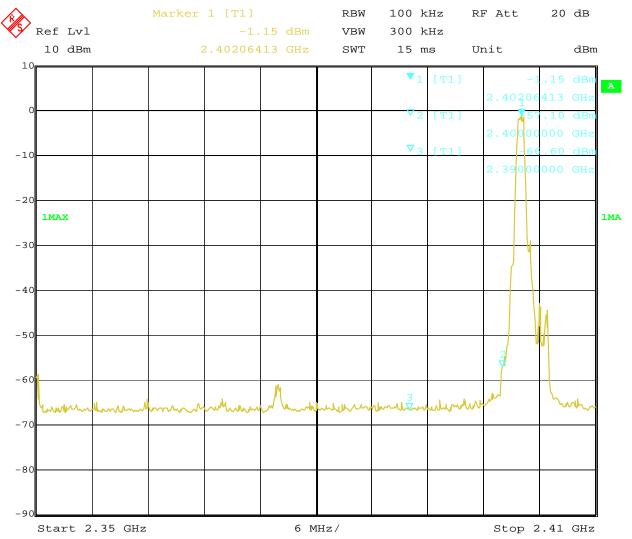
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10.4 Band-edge Measurement

EUT	Wireless Bluetooth Speaker	Model	BKS800
Mode	Keep Transmitting	Input Voltage	120V~
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



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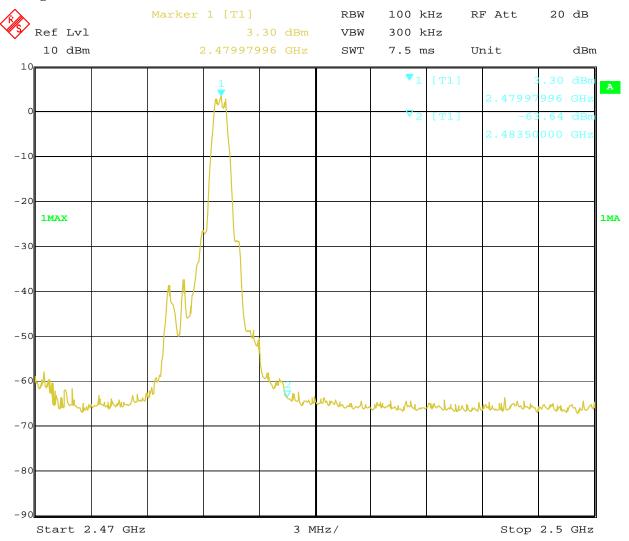
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10.4 Band-edge Measurement

EUT	Wireless Bluetooth Speaker	Model	BKS800
Mode	Keeping Transmitting	Input Voltage	120V~
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



Note: The Max. FS in Restrict Band are measured in conventional method.

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10.4 Restrict Band Measurement

	EUT	Wireless	s Blueto	oth Speaker	Mod	lel		BK	S800					
	Mode	Kee	ep Transı	mitting	Input Vo	oltage		12	0V~					
-	Temperature		24 deg.	C,	Humi	dity		56%	% RH					
	Test Result:		Pass											
	C Part 15B Class B 1GHz-180	GHz - 2			1	•								
1.	1E+2-													
1.	.0E+2-													
	90-													
	80-								/					
	70-								/					
Ê	70-							/	/					
level (dBuV/m)	60-													
eve	50-						M1 Î							
	40-	1 1		· kili	Marine I					1				
	30-	Marthamanthelishand	i dothraithdepleasach rived	ighwaalishaaadaaaadhaaga 440°G	ALL MARKANHING PRINCIPAL AND IN	der miller der der der der der der der der der d	Arthur II is a libit.	and Milan		W .,,,,,,				
	20- 2350													
		Т	1	1	Frequency (M	Hz)	Г	1	1	T				
No	o. Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict				
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)						
1	2390.115	48.53	-3.53	54.0	-5.47	Peak	0.00	100	Н	Pass				

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10.4 Restrict Band Measurement

EUT		UT	Wireless Bluetooth Speaker				Model		BKS800			
Mode		lode	Keep Transmitting			Inp	Input Voltage		120V~			
,	Гетр	erature	24 deg. C, Pass			ŀ	Humidity		56% RH			
	Test 1	Result:										
	C Part 151	B Class B 1GHz-18GH:	z - 2			·		·				
1	0E+2-											
	90-											
	80-									\rightarrow		
	70-											
uV/m)	60-								,			
level (dBuV/m)	50-							M1		\		
	40-			and a track		لله الله						
	30-	40- hanhan dirikhtaisan 1944 hasian na Massan										
	20											
	20											
No).	Frequency	Results	Factor	Limit	Over	Detector	Table (o)	Height	ANT	Verdict	
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)			(cm)			
1		2390.152	43.18	-3.53	54.0	-10.82	Peak	221.00	100	V	Pass	

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10.4 Restrict Band Measurement

EUT		Wireless Bluetooth Speaker			Mo	Model		BKS800				
Mode		Ke	nitting	Input Voltage		120V~						
T	emperature	24 deg. C,			Hun	nidity	dity		56% RH			
T	est Result:		Pass									
	Part 15B Class B 1GHz-18	GHz - 2										
1.18												
1.0E	,2-											
	90-											
	80-											
	70-											
(w/,				<u> </u>								
level (dBuV/m)	60-				\							
eve	50-				La Whatelly was a sea of home to				e habitant de la companya de la comp			
	40-	- Company of the state of the s					And the state of t	NAME AND DESCRIPTION OF THE PARTY OF THE PAR		الماران الماران الماران الماران الماران الماران الماران الماران		
	The state of the s	Wanter					A STATE OF THE PARTY OF THE PAR			And the second s		
	30-	a heart.										
		a hua i										
	30 - 20 - 2470	a had i.			2483.5 Frequency (MI	łz)				2500		
No.	20-1-2470	Results	Factor	Limit		Detector	Table (o)	Height	ANT	2500 Verdict		
No.	20-	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Frequency (Mi	Π	Table (o)	Height (cm)	ANT			

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10.4 Restrict Band Measurement

	EUT	Wireless Bluetooth Speaker		Model		BKS800				
Mode		Keep Transmitting			Input Voltage		120V~			
,	Temperature	24 deg. C, Pass			Humidity		56% RH			
	Test Result:									
	CC Part 15B Class B 1GHz-18GH	Hz - 2								
1	L.0E+2-									
	90-									
	80-									
	70-									
level (dBuV/m)	60-									
evel (50-		/		No.					
	40-	O LINE TO THE THE PARTY OF THE					add to be little if the little	ومنال النائلان الل	والمرابع المرابع المرا	
	30-	10-					PER		Marie Complete Comple	Auto admit Millionia
	20-									
	2470				2483.5 Frequency (M	Hz)				2500
						Detector	Table (o)	Height	ANT	Verdict
No	o. Frequency	Results	Factor	Limit	Over Limit	Detector	145.5 (5)		7	veruici
No	o. Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	(dB)	Detector		(cm)	7	verdict

Note: The measured PK value less than the AV limit, no necessary to take down the AV measurement result.

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11.0 Antenna Requirement

11.1 Standard Applicable

For intentional device, according to FCC 47 CFR 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.

And according to FCC 47 CFR Section 15.247 (b), if transmitter antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the mount in dB that the directional gain of the antenna exceeds 6 dBi.

11.2 Antenna Connected construction

PCB antenna used. The gain of the antennas is 2.0dBi.

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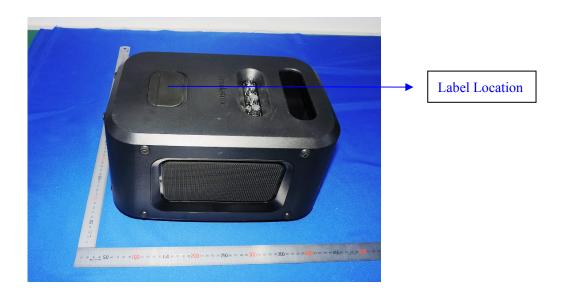
12.0 FCC ID Label

FCC ID: RBD-BKS800

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The label must not be a stick-on paper label. The label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the equipment not be readily detachable.

Mark Location:



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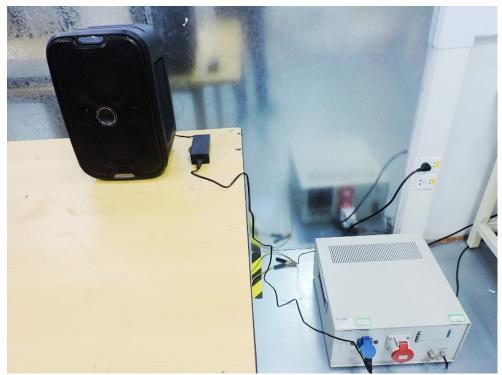
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13.0 Photo of testing

Conducted Emission Test Setup:

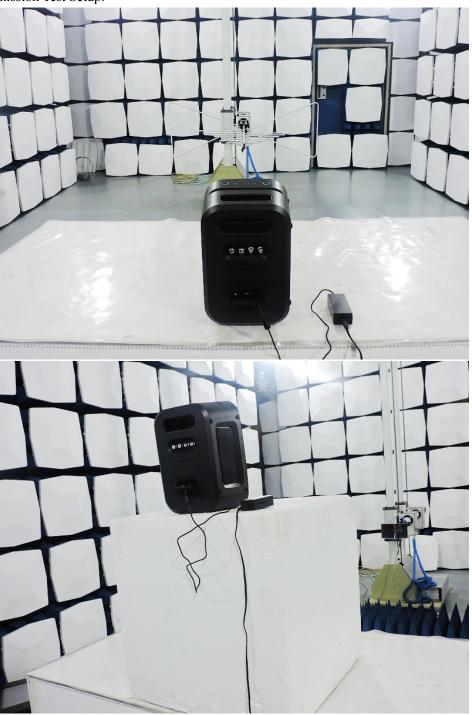


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Radiated Emission Test Setup:



Photographs - EUT

Please refer test report EMC1911048-01

End of the report

The report refers only to the sample tested and does not apply to the bulk.

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