RF Exposure Evaluation

FCC ID: 2ABNJ-BV200

1. Client Information

Applicant	:	ShenZhen SeeMeHere Electronic Co., Ltd.
Address	:	3-4th Floor, Building D, TongFuYu Industrial Park, HangKong Road, Xixiang Town, Bao'an District, Shenzhen, China.
Manufacturer	:	ShenZhen SeeMeHere Electronic Co., Ltd.
Address	:	3-4th Floor, Building D, TongFuYu Industrial Park, HangKong Road, Xixiang Town, Bao'an District, Shenzhen, China.

2. General Description of EUT

EUT Name	:	Bluetooth Speaker	
Models No.	:	BV200	
Model Difference	:	N/A	
Product Description	:	Operation Frequency: Bluetooth:2402~2480MHz	
		Number of Channel:	Bluetooth:79 Channels
		Max Peak Output Power:	GFSK:0.459 dBm
		Antenna Gain:	2 dBi PCB Antenna
		Modulation Type:	GFSK 1Mbps(1 Mbps) π/4-DQPSK(2 Mbps) 8-DPSK(3 Mbps)
Power Supply	:	DC Voltage supplied from Host System by USB cable DC power by Li-ion Battery	
Power Rating	:	DC 5.0V by USB cable. DC 3.7V Li-ion Battery	
Connecting I/O Port(S)	:	Please refer to the User's Manual	

Note:

More test information about the EUT please refer the RF Test Report.

1A/F., Bldg.6, Yusheng Industrial Zone, The National Road No.107 Xixiang Section 467, Xixiang, Bao'an, Shenzhen, China
Tel: +86 75526509301 Fax: +86 75526509195

SAR Test Exclusion Calculations

1. FCC: According to KDB 447498 D01 Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies v05r02.

(1) Clause 4.3: General SAR test reduction and exclusion guidance

Sub clause 4.31: Standalone SAR test exclusion considerations

1) The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6GHz at test separation distance≤5 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation, mm)]*[$\sqrt{f_{(GHz)}}$] ≤3.0 for 1-g SAR

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation, mm)]*[$\sqrt{f_{(GHz)}}$] ≤7.5.0 for 10-g SAR

2.
Calculation:

Test separation: 5mm						
Bluetooth Mode (GFSK)						
Frequency (GHz)	Conducted Power (dBm)	Ant Gain (dBi)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value
2.402	0.151	2	±1	1.303	0.405	**3.0**
2.441	0.459	2	±1	1.399	0.437	**3.0**
2.480	0.348	2	±1	1.364	0.428	**3.0**
Bluetooth Mode (8-DPSK)						
Frequency (GHz)	Conducted Power (dBm)	Ant Gain (dBi)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value
2.402	-1.127	2	±1	0.971	0.302	**3.0**
2.441	-0.700	2	±1	1.072	0.335	**3.0**
2.480	-0.798	2	±1	1.048	0.329	**3.0**

So standalone SAR measurements are not required.