

RF Exposure Evaluation

FCC ID: 2ABNJ-BV210

1. Client Information

Applicant : Shenzhen See Me Here Electronics Co., Ltd
Address : 3rd Floor D Building, TongFuYu Industrial Park, Xixiang Town, Bao'an District, Shenzhen, China
Manufacturer : Shenzhen See Me Here Electronics Co., Ltd
Address : 3rd Floor D Building, TongFuYu Industrial Park, Xixiang Town, Bao'an District, Shenzhen, China

2. General Description of EUT

| | | |
|-------------------------------|---|---|
| EUT Name | : | Bluetooth Speaker |
| Models No. | : | BV210 |
| Model Difference | : | N/A |
| Product Description | : | Operation Frequency: Bluetooth:2402~2480MHz |
| | : | Number of Channel: Bluetooth:79 Channels |
| | : | Max Peak Output Power: GFSK: 2.950 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 800mAh 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.

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 ≤ 50 mm are determined by:

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

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

2.

Calculation:

| Bluetooth Mode (GFSK) | | | | | | |
|-------------------------|-----------------------|----------------|---------------|---------------|-------------------|-----------------|
| Frequency (GHz) | Conducted Power (dBm) | Ant Gain (dBi) | TX Power (mW) | Distance (mm) | Calculation Value | Threshold Value |
| 2.402 | -0.663 | 2 | 1.361 | 5 | 0.422 | 3.0 |
| 2.441 | 1.997 | 2 | 2.510 | 5 | 0.784 | 3.0 |
| 2.480 | 2.950 | 2 | 3.126 | 5 | 0.985 | 3.0 |
| Bluetooth Mode (8-DPSK) | | | | | | |
| Frequency (GHz) | Conducted Power (dBm) | Ant Gain (dBi) | TX Power (mW) | Distance (mm) | Calculation Value | Threshold Value |
| 2.402 | -1.396 | 2 | 1.149 | 5 | 0.356 | 3.0 |
| 2.441 | 1.504 | 2 | 2.241 | 5 | 0.700 | 3.0 |
| 2.480 | 2.073 | 2 | 2.554 | 5 | 0.805 | 3.0 |

So standalone SAR measurements are not required.