DongguanLepontTestingService Co.,Ltd. ReportNo.:Number: LPE-ID16072901

FCC ID: 2AA2O-FSNA3

RFEXPOSUREEVALUATION

EUT Specification

| EUT | Bluetooth Speaker | | | |
|----------------------------|--|--|--|--|
| Frequency band (Operating) | Bluetooth: 2.402GHz ~ 2.480GHz | | | |
| Device category | Portable (<20cm separation) | | | |
| Antenna diversity | Single antenna | | | |
| Max. output power | 5.69dBm(3.71mW) For BLE -0.92dBm (0.81mW) For BDR/EDR | | | |
| Antenna gain | 0dBi (declared by manufacturer) | | | |

Standard Requirement

Portable Device

Accordingto§15.247(i)and§1.1307b(1),systemsoperatingundertheprovisionsofthissection shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess of the Commission'sguidelines. See KDB 447498 D01 General RF Exposure Guidance v05, section 4.3.1.

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min.test separation distance, mm)] • [$\sqrt{f(GHz)}$] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, ¹⁶where

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation17
- The result is rounded to one decimal place for comparison

Thetestexclusionsareapplicableonlywhentheminimumtestseparationdistanceis ≤ 50 mmandfortransmissionfrequenciesbetween100MHzand6GHz.Whentheminimumtest separation distance is < 5 mm, a distance of 5 mm isapplied to determine SAR test exclusion.

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Measurement Result

| Channel | Channel | Output | Max | Calcul | Threshold | | |
|-------------|-----------|-----------|------------|---------|-----------|--|--|
| | Frequency | power | Tune-UP | ation | Value | | |
| | (MHz) | (dBm) | power (mW) | Value | | | |
| | | Tolerance | | (Note1) | | | |
| For BLE | | | | | | | |
| Low | 2402.00 | 5+-1 | 3.98 | 1.23 | 3.0 | | |
| Middle | 2440.00 | 5+-1 | 3.98 | 1.24 | 3.0 | | |
| High | 2480.00 | 5+-1 | 3.98 | 1.25 | 3.0 | | |
| For BDR/EDR | | | | | | | |
| Low | 2402.00 | -3+-1 | 0.63 | 0.19 | 3.0 | | |
| Middle | 2440.00 | -1+-1 | 1 | 0.31 | 3.0 | | |
| High | 2480.00 | -1+-1 | 1 | 0.31 | 3.0 | | |

Note 1: Calculation Value =[(max.power of channel, mW)/(min. test separation distance, mm)] • [$\sqrt{f(GHz)}$]. Fox example: $3.98/5^* \sqrt{2.402}=1.23 \le 3.0$

According to KDB447498D01V06,thresholdat which no SAR requiredis≤3.0for1-g SAR, separation distance is 5mm, and no simultaneous SAR measurement is required.