## INTERTEK TESTING SERVICES

## **RF Exposure**

The equipment under test (EUT) is an Speaker with Bluetooth 5.3(EDR) function operating in 2402-2480MHz. The EUT is powered by DC 5.0V by power bank. Once use the aux in cable charging to the EUT, the wireless function will be disabled. For more detail information pls. refer to the user manual.

Antenna Type: Integral Antenna Modulation: GFSK, π/4-DQPSK and 8-DPSK Bluetooth Version: 5.3 (EDR single model) Antenna Gain: -0.58dBi The normal peak radiated output power (e.i.r.p) is: -6.0dBm (tolerance: +/- 3dB). The normal peak conducted output power is -5.42.0dBm (tolerance: +/- 3dB).

According to the KDB 447498 V06:

The Maximum peak radiated emission for the EUT is  $90.9dB\mu V/m$  at 3m in the frequency 2402MHz The EIRP = [(FS\*D) ^2 / 30] mW = -4.33dBm which is within the production variation.

The Minimum peak radiated emission for the EUT is 88.2dB $\mu$ V/m at 3m in the frequency 2480MHz The EIRP = [(FS\*D) ^2 / 30] mW = -7.03dBm which is within the production variation.

The maximum conducted output power specified is -2.42dBm= 0.573mW The source- based time-averaging conducted output power =0.573mW

The SAR Exclusion Threshold Level: = 3.0 \* (min. test separation distance, mm) / sqrt(freq. in GHz) = 3.0 \* 5 / sqrt (2.480) mW = 9.53 mW

Since the source-based time-averaging conducted output power is well below the SAR low threshold level, so the EUT is considered to comply with SAR requirement without testing.

FCC ID: 2BMCV-CL-HP-SYNTH