## **RF Exposure**

The equipment under test (EUT) is a WIRELESS BOOKSHELF SPEAKER with BT 5.0 BR+EDR function operating in 2402-2480MHz, and with AUX In /Line In playing function with LED Lamp indication. The EUT is powered by DC 15V via AC/DC adapter Input 100-240V~, 50/60Hz, Output 15Vdc, 2.4A.. For more detail information pls. refer to the user manual.

Modulation Type: GFSK, π/4-DQPSK, 8DPSK Bluetooth Version: 5.0 (Single Mode BR+EDR)

Antenna Type: Integral antenna. Antenna Gain: 1.9dBi. The nominal conducted output power specified: -6dBm (+/-3dB). The nominal radiated output power (e.i.r.p) specified: -4.1dBm (+/-3dB).

According to the KDB 447498:

The maximun peak radiated emission for the EUT is  $92.18dB\mu V/m$  at 3m in the frequency 2480MHz The EIRP = [(FS\*D) ^2 / 30] mW = -3.05dBm which is within the production variation.

The minimum peak radiated emission for the EUT is  $88.70dB\mu V/m$  at 3m in the frequency 2441MHz The EIRP = [(FS\*D) ^2 / 30] mW = -6.53dBm which is within the production variation.

The maximun conducted output power specified is -3dBm = 0.5mWThe source- based time-averaging conducted output power = 0.5 \* Duty factor mW (where Duty Factor $\leq 1$ ) = 0.5 mW

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.