

RF Exposure Requirements

Product Description: Bluetooth voice remote

Model No.: WH-5779_BLE

FCC ID: 2AUWA-BVRB021

According to the KDB 447498 D01 V06, the following RF exposure evaluation shall to demonstrate RF exposure compliance.

Bluetooth V4.0 LE Technique

Frequency Range: 2402 MHz to 2480 MHz

Type of Modulation: GFSK

Device category: Portable device (Distance: 5mm)

The maximum conducted output power tested: 3.35dBm

The conducted output power specified is 5 dBm

Tolerance: ± 2 dB

The source- based time-averaging conducted output power

$= (5 + 2) * \text{Duty cycle mW} = 5.01 \text{ mW}$ (Duty Cycle $\leq 100\%$)

Maximum Conducted Output Power: 5.01 mW

The SAR Exclusion Threshold Level:

$= 3.2 * (\text{min. test separation distance, mm}) / \text{sqrt}(\text{freq. in GHz})$

$= 3.2 * 5 / \text{sqrt}(2.480)$

$= 1$

So the transmitter complies with the RF exposure requirements and the SAR is not required.