

RF Exposure Requirements

Product Description: ORIGINAL II AM/FM RADIO & BLUETOOTH SPEAKER

Model No.: R602BPWI

FCC ID: 2ALXL-R602BPWI

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

Bluetooth BR & EDR

Frequency Range: 2402 MHz to 2480 MHz

Type of Modulation: GFSK, $\pi/4$ DQPSK, 8DPSK

Device category: Portable device (Distance: 5mm)

The maximum conducted average output power tested: 4.58dBm

The conducted average output power specified is 4 dBm

Tolerance: ± 1.5 dB

The source- based time-averaging conducted output power

= $(4 + 1.5) * \text{Duty cycle mW} = 3.5481 \text{ mW}$ (Duty Cycle $\leq 100\%$)

Maximum Conducted Output Power: 3.5481 mW

Limit: 10mW

Source-based time-averaged Conducted output power is $3.5481 \text{ mW} < 10\text{mW}$

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