

RF Exposure Requirements

Product Description: Bluetooth Speaker

Model No.: Nier iRock

FCC ID: TQMNIERIROCK

According to the KDB-447498 D01 V05r02, the following RF exposure evaluation shall to demonstrate RF exposure compliance.

Bluetooth (3.0)

Tx frequency range: 2402~2480MHz

Device category: Removable device

Maximum Conducted Output Power: 7.546dBm (5.683mW)

Maximum Antenna Gain: 0 dBi

Maximum EIRP Output Power: 7.546dBm (5.683mW)

Minimum Distance: 5mm

Limit: 10mW

Source-based time-averaged EIRP output power is $5.683\text{mW} < 10\text{ mW}$

Bluetooth (BLE)

Tx frequency range: 2402~2480MHz

Device category: Removable device

Maximum Conducted Output Power: 8.637dBm (7.306mW)

Maximum Antenna Gain: 0 dBi

Maximum EIRP Output Power: 8.637dBm (7.306mW)

Minimum Distance: 5mm

Limit: 10mW

Source-based time-averaged EIRP output power is $7.306\text{mW} < 10\text{ mW}$

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