

RF Exposure Requirements

Product Description: Bluetooth music receiver

Model No.: BRD1, BT16

FCC ID: RCTBRD1

According to the KDB 447498 D01 v06, the following RF exposure evaluation shall to demonstrate RF exposure compliance.

Bluetooth (IC: CSR8635)

Tx frequency range: 2402~2480MHz

Device category: Portable device (Distance: 5mm)

Maximum Conducted Output Power: 0.681dBm

Maximum Conducted Output Power: 1.17 mW

Limit: 10mW

Source-based time-averaged Conducted output power is $1.17\text{mW} < 10\text{mW}$

Bluetooth (IC: TLSR8266F512)

Tx frequency range: 2402~2480MHz

Device category: Portable device (Distance: 5mm)

Maximum Conducted Output Power: -6.379dBm

Maximum Conducted Output Power: 0.23 mW

Limit: 10mW

Source-based time-averaged Conducted output power is $0.23\text{mW} < 10\text{mW}$

Simultaneous Transmission

Bluetooth (IC: CSR8635)+ Bluetooth (IC: TLSR8266F512): 1.4mW

Limit: 10mW

Source-based time-averaged Conducted output power is $1.4\text{mW} < 10\text{mW}$

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