

RF Exposure Requirements

Product Description: KUAI

Model No.: KUAI-1

FCC ID: 2AJL9KUAI-1

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

Bluetooth 3.0(IC: CSR8635)

Tx frequency range: 2402~2480MHz

Device category: Portable device (Distance: 5mm)

Maximum Conducted Output Power: 7.803dBm

Maximum Conducted Output Power: 6.03 mW

Bluetooth LE(IC: CSR8635)

Tx frequency range: 2402~2480MHz

Device category: Portable device (Distance: 5mm)

Maximum Conducted Output Power: 8.767dBm

Maximum Conducted Output Power: 7.53 mW

Bluetooth LE(IC: nRF51422)

Tx frequency range: 2402~2480MHz

Device category: Portable device (Distance: 5mm)

Maximum Conducted Output Power: -3.282dBm

Maximum Conducted Output Power: 0.47 mW

Simultaneous transmission:

Bluetooth 3.0(IC: CSR8635) + Bluetooth LE(IC: nRF51422): 6.5mW

Bluetooth LE(IC: CSR8635) + Bluetooth LE(IC: nRF51422): 8.0mW

Limit: 10mW

Maximum Source-based time-averaged Conducted output power is 8.0mW < 10mW

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