

RF Exposure Requirements

Product Description: PCBA

Model No.: M730

FCC ID: 2AAL9M730DIQO

According to the KDB-447498 D01 V05, the following RF exposure evaluation shall to demonstrate RF exposure compliance.

Wi-Fi (802.11b/g/n)

Tx frequency range: 2412~2462MHz

Device category: Fixed Device

Maximum Conducted Output Power: 16.30 dBm

Maximum Antenna Gain: 2.0 dBi

Maximum EIRP Output Power: 67.6083mW (18.30 dBm)

Minimum Distance: 50mm

Limit: 96mW

Source-based time-averaged EIRP output power is $67.6083 \text{ mW} < 96 \text{ mW}$

Bluetooth

Tx frequency range: 2402~2480MHz

Device category: Fixed Device

Maximum Conducted Output Power: 1.992 dBm

Maximum Antenna Gain: 2.0 dBi

Maximum EIRP Output Power: 2.5073mW (3.992 dBm)

Minimum Distance: 50mm

Limit: 96mW

Source-based time-averaged EIRP output power is $2.5073 \text{ mW} < 96 \text{ mW}$

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