

RF Exposure Requirements

Product Description: Smart Watch

Model No.: Z1

FCC ID: REX-Z1

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

For Bluetooth:

Tx frequency range: 2402~2480MHz

Device category: Removable device

Maximum Conducted Output Power: 1.0039 mW (0.017dBm)

Maximum Antenna Gain: 0.5dBi

Maximum EIRP Output Power: 1.1264 mW (0.517dBm)

Prediction distance: 5 (mm)

Limit: 10 mW

Source-based time-averaged EIRP output power is $1.1264 \text{ mW} < 10 \text{ mW}$

For Wi-Fi:

Tx frequency range: 2412~2472MHz

Device category: Removable device

Maximum Conducted Output Power: 5.8345 mW (7.66dBm)

Maximum Antenna Gain: 0.5dBi

Maximum EIRP Output Power: 6.5464 mW (8.16dBm)

Prediction distance: 5 (mm)

Limit: 10 mW

Source-based time-averaged EIRP output power is $6.5464 \text{ mW} < 10 \text{ mW}$

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