

RF Exposure Exemption Evaluation

FCC ID: 2AT6C-REAL01S

IC: 25307-REAL01S

The device is a Portable Device used at a distance less than 20 cm from human's body. For this configuration SAR evaluation is required unless SAR exclusion threshold can be met.

1. FCC KDB 447898 D01 v06 — RF EXPOSURE PROCEDURES AND EQUIPMENT AUTHORIZATION POLICIES FOR MOBILE AND PORTABLE DEVICES

According to FCC KDB 447898 D01 v06 Appendix A, at frequency 2450 MHz and separation distance of ≤ 5 mm SAR Exemption limit is ≤ 10 mW.

Max Peak Conducted Power measured = 1.26 dBm or 1.337 mW

No duty cycle was considered.

Therefore, the Maximum EIRP calculated = 1.26 dBm (RF Conducted Power) + 1.3 dBi (Antenna Gain)
= 2.56 dBm or 1.803 mW.

Results: SAR evaluation is not required since the higher of the maximum conducted or equivalent isotopically radiated power (EIRP) source-based, time averaged output power is below the exemption limit.

2. RSS-102 Issue 5 — Radio Frequency (RF) Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands)

According to RSS-102 sec. 2.5.1, at frequency 2450 MHz and separation distance of ≤ 5 mm SAR Exemption limit is ≤ 4 mW.

Max Peak Conducted Power measured = 1.26 dBm or 1.337 mW

No duty cycle was considered

Therefore, the Maximum EIRP calculated is 1.26 dBm (RF Conducted Power) + 1.3 dBi (Antenna Gain)
= 2.56 dBm or 1.803 mW.

Results: SAR evaluation is not required since the higher of the maximum conducted or equivalent isotopically radiated power (EIRP) source-based, time averaged output power is below the exemption limit.