

SAR Exemption Calculation for : FCC ID SZ9TMBFP150

Device is in portable (d<20cm from body) exposure category.

Per 447498 D01 General RF Exposure Guidance v06

4.3. General SAR test exclusion guidance

4.3.1. Standalone SAR test exclusion considerations

For 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot \sqrt{f(\text{GHz})} \leq 3.0$ for 1-g SAR,
and ≤ 7.5 for 10-g extremity SAR

Conducted output power = 2.22dBm = 0.0016672W

Distance = 5mm

Frequency = 2.44GHz

Ratio = $(1.67/5) \cdot \sqrt{2.44} = 0.5217 < 3$

Therefore device complies with FCC's RF radiation exposure limits for general population in portable exposure category (d<20cm from body).