

FCC ID:2BPXZ-TG000011

Portable device

According to §15.247(e)(i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

According to KDB447498 D01 General RF Exposure Guidance V06

The 1-g SAR and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

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

- $f(\text{GHz})$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

433.934MHz:

Modulation	Channel Freq. (GHz)	Conduct ed power (dBm)	Conducte d power (mW)	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (mW)	Distance (mm)	Result calculation	SAR Exclusion threshold	SAR test exclusion
ASK	0.43393	-29.54	0.0011	-29±1	-28.00	0.0016	<5	0.00021	3.00	YES

Note:dbm=dbuv/m-95.2-2.15=72.81-95.2-2.15=-24.54dBm(ERP), so the conduct peak power=-24.54-5=-29.54dBm

314.3487MHz :

Modulation	Channel Freq. (GHz)	Conduct ed power (dBm)	Conducte d power (mW)	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (mW)	Distance (mm)	Result calculation	SAR Exclusion threshold	SAR test exclusion
ASK	0.31435	-31.43	0.0007	-31±1	-30.00	0.0010	<5	0.00011	3.00	YES

Note:dbm=dbuv/m-95.2-2.15=70.92-95.2-2.15=-26.43dBm(ERP), so the conduct peak power=-26.43-5=-31.43dBm

Conclusion:

For the max result : $0.00021 \leq$ FCC Limit 3.0 for 1g SAR.