FCC ID: 2AK8Q-TKSD001T

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:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]·[√f(GHZ)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where:

- • f(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.

433M

Modulation	Frequency MHz	Output Power (dBuV/m)	Output Power (dBm)
ASK	433.92	86.72	-13.18

Below 1GHz: dBm=dBuV/m-95.2-4.7

Modulation	Channel Freq. (GHz)	Output Power (dBm)	Output 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	0.434	-13.18	0.048084	-13±1	-12.00	0.063096	<5	0.008313	3.00	YES

Conclusion:

For the max result : 0.008313＜3, the SAR testing is not required.