

FCC ID: 2AECY-WXM05

Portable device

According to §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 \leq 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 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.

Antenna Type : cable antenna

Antenna Gain: 0 dBi

Modulation	Channel Freq. (GHz)	Conducted power (dBm)	Conducted power (mW)	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (mW)	Distance (mm)	Result calculation	1g SAR Exclusion threshold	SAR test exclusion
GFSK	0.5505	0.99	1.256	1±1	2	1.585	<5	0.23518	3.00	YES
	0.5705	0.67	1.167	1±1	2	1.585	<5	0.23942	3.00	YES
	0.5895	0.09	1.021	1±1	2	1.585	<5	0.24337	3.00	YES

Conclusion:

For the max result : $0.24337 \leq 3.0$ for 1-g SAR, No SAR is required.

Signature:

Date: 2020-07-08



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