

**FCC ID: 2ANDX-CS20M**

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  $\leq 7.5$  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.

GFSK:

Transmit power

Frequency (MHz)	Max Output power (dBuV/m)	Max Output power (dBm)	Max Output power (mW)
2402	75.84	-19.42	0.011429
2440	74.85	-20.41	0.009099
2480	76.62	-18.64	0.013677

Antenna Type :PCB Antenna

Antenna Gain: 0.5dBi

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	2.402	-19.42	0.011429	-20±1	-19	0.013	<5	0.00390	3.00	YES
	2.44	-20.41	0.009099	-20±1	-19	0.013	<5	0.00393	3.00	YES
	2.480	-18.64	0.013677	-20±1	-19	0.013	<5	0.00397	3.00	YES

**Conclusion:**

For the max result : 0.00397 ≤ 3.0 for 1-g SAR, No SAR is required.



**Signature:**

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