

FCC ID: 2AN6Z-CVX2

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 \leq 50 mm are determined by:

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

- $f(\text{GHz})$ 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.

BR+EDR:

Antenna Type: PCB Antenna

Antenna Gain: 0.5 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 | 2.402 | -4.66 | 0.342 | -4±1 | -3.0 | 0.501 | <5 | 0.15535 | 3.00 | YES |
| | 2.44 | -4.18 | 0.382 | -4±1 | -3.0 | 0.501 | <5 | 0.15658 | 3.00 | YES |
| | 2.48 | -4.72 | 0.337 | -4±1 | -3.0 | 0.501 | <5 | 0.15785 | 3.00 | YES |

Conclusion:

For the max result : $0.15785 \leq 3.0$ for 1-g SAR, No SAR is required.



Signature:

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