

FCC ID: ATL-WAVECAST

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 V05

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

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})]^*$

$[\sqrt{f(\text{GHz})}] \leq 3.0$ 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;

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz.

We used a distance 5mm to calculated

Maximum measured transmitter power:

| Transmit Frequency (GHz) | Mode | Max Conducted Power (dBm) | Result calculation | 1-g SAR |
|--------------------------|------------------|---------------------------|--------------------|---------|
| 2.402 | GFSK | 0.95 | 0.386 | 3.0 |
| 2.441 | GFSK | 3.14 | 0.644 | 3.0 |
| 2.480 | GFSK | 0.35 | 0.341 | 3.0 |
| 2.402 | 1/4 Π -DQPSK | -1.75 | 0.207 | 3.0 |
| 2.441 | 1/4 Π -DQPSK | 0.90 | 0.384 | 3.0 |
| 2.480 | 1/4 Π -DQPSK | -2.33 | 0.184 | 3.0 |
| 2.402 | 8DPSK | -1.57 | 0.216 | 3.0 |
| 2.441 | 8DPSK | 1.20 | 0.412 | 3.0 |
| 2.480 | 8DPSK | -2.44 | 0.180 | 3.0 |

Conclusion:

For the max result : $0.644 \leq 3.0$ for 1-g SAR extremity SAR, No SAR is required.

Sincerely,



Signature

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