

# FCC ID: SSM393BB10K

## 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 and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})]^* [ \sqrt{f(\text{GHz})} ] \leq 3.0$  for 1-g SAR and  $\leq 7.5$  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  $\leq 50$  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       | Measured power (dBm) | Tune-up power (dBm) | Max tune-up power (dBm) | Result calculation | 1-g SAR |
|--------------------------|------------|----------------------|---------------------|-------------------------|--------------------|---------|
| 2.402                    | GFSK       | -3.96                | -3.5±1              | -2.5                    | 0.1743             | 3.0     |
| 2.441                    | GFSK       | -4.14                | -3.5±1              | -2.5                    | 0.1757             | 3.0     |
| 2.480                    | GFSK       | -3.97                | -3.5±1              | -2.5                    | 0.1771             | 3.0     |
| 2.402                    | 1/4Π-DQPSK | -3.16                | -3.5±1              | -2.5                    | 0.1743             | 3.0     |
| 2.441                    | 1/4Π-DQPSK | -3.46                | -3.5±1              | -2.5                    | 0.1757             | 3.0     |
| 2.480                    | 1/4Π-DQPSK | -3.25                | -3.5±1              | -2.5                    | 0.1771             | 3.0     |

### Conclusion:

For the max result :  $0.1771 \leq 3.0$  for 1-g SAR extremity SAR, No SAR is required.

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