

# FCC ID: 2AJTG-WT7760

## 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 50mm 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	-2.929	-2±1	-1	0.2462	3.0
2.441	GFSK	-2.031	-2±1	-1	0.2482	3.0
2.480	GFSK	-2.508	-2±1	-1	0.2502	3.0
2.402	1/4Π-DQPSK	0.277	0.5±1	0.5	0.3478	3.0
2.441	1/4Π-DQPSK	-0.417	0.5±1	0.5	0.3506	3.0
2.480	1/4Π-DQPSK	0.492	0.5±1	0.5	0.3534	3.0
2.402	8DPSK	-1.016	-1±1	0	0.3100	3.0
2.441	8DPSK	-0.622	-1±1	0	0.3125	3.0
2.480	8DPSK	-0.719	-1±1	0	0.3150	3.0

### **Conclusion:**

For the max result :  $0.3534 \leq 3.0$  for 1-g SAR extremity SAR, No SAR is required.

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