

FCC ID: 2AQT3-WEARONE

Portable device

According to §15.247(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 ≤ 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(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. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

We use 5mm as separation distance to calculate.

Maximum measured transmitter power:

BT 3.0

Transmit Frequency (GHz)	Mode	Max Transmit Power (dBm)	Max tune-up power (dBm)	Result calculation	1-g SAR
2402	GFSK	-4.672	-3	0.16	3.0
2441	GFSK	-0.495	0	0.31	3.0
2480	GFSK	2.425	3	0.63	3.0
2402	pi/4-DQPSK	-6.846	-5	0.10	3.0
2441	pi/4-DQPSK	-1.478	-1	0.25	3.0
2480	pi/4-DQPSK	1.039	2	0.50	3.0
2402	8DPSK	-6.280	-5	0.10	3.0
2441	8DPSK	-1.264	-1	0.25	3.0
2480	8DPSK	1.462	2	0.50	3.0

BT 4.0

Transmit Frequency (GHz)	Mode	Max Transmit Power (dBm)	Max tune-up power (dBm)	Result calculation	1-g SAR
2402	GFSK	-3.638	-3	0.16	3.0
2441	GFSK	-0.205	0	0.31	3.0
2480	GFSK	3.113	4	0.79	3.0

Conclusion:

For the max result : $0.79 \leq 3.0$ for 1-g SAR extremity SAR, No SAR is required.