

FCC ID: 2ACWX-NH380

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. 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 DSS:

Transmit Frequency (GHz)	Mode	Max Conducted Power (dBm)	Result calculation	1-g SAR
2.402	GFSK	3.116	0.64	3.0
2.441	GFSK	5.276	1.05	3.0
2.480	GFSK	4.874	0.97	3.0
2.402	1/4 Π -DQPSK	3.227	0.66	3.0
2.441	1/4 Π -DQPSK	3.078	0.63	3.0
2.480	1/4 Π -DQPSK	2.612	0.57	3.0
2.402	8DPSK	1.607	0.45	3.0
2.441	8DPSK	3.326	0.67	3.0
2.480	8DPSK	2.931	0.61	3.0

BT DTS:

Transmit Frequency (GHz)	Mode	Max Conducted Power (dBm)	Result calculation	1-g SAR
2.402	GFSK	5.280	1.04	3.0
2.441	GFSK	6.160	1.29	3.0
2.480	GFSK	5.868	1.22	3.0

Conclusion:

For the max result : $1.29 \leq 3.0$ for 1-g SAR extremity SAR, No SAR is required.

Sincerely,



Signature

Company Name: SHENZHEN EMTEK CO., LTD.

Address: Bldg 69, Majialong Industry Zone, Nanshan District, Shenzhen, China

David Lee/ Manager