

# FCC ID: XKK-IMW855

## 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  $\leq 50$  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. 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:

Transmit Frequency (GHz)	Mode	Max Conducted Power (dBm)	Result calculation	1-g SAR
2.402	GFSK	2.41	0.540	3.0
2.441	GFSK	3.91	0.769	3.0
2.480	GFSK	2.06	0.506	3.0
2.402	1/4 $\Pi$ - DQPSK	0.18	0.323	3.0
2.441	1/4 $\Pi$ - DQPSK	2.18	0.516	3.0
2.480	1/4 $\Pi$ - DQPSK	-0.13	0.306	3.0
2.402	8DPSK	0.35	0.336	3.0
2.441	8DPSK	2.48	0.553	3.0
2.480	8DPSK	0.17	0.328	3.0

### Conclusion:

For the max result :  $0.769 \leq 3.0$  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