

# FCC ID: 2AM73-HDJX5BT

## 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  $\leq 50$  mm are determined by:

$$\left[ \frac{\text{(max. power of channel, including tune-up tolerance, mW)}}{\text{(min. test separation distance, mm)}} \right]^* \left[ \sqrt{f(\text{GHz})} \right] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where}$$

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  $\leq 50$  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)	tune up maximum power(dBm)	Result calculation	1-g SAR
2.402	GFSK	-2.421	-1	0.178	3
2.441	GFSK	0.083	1	0.319	3
2.480	GFSK	0.485	1	0.352	3
2.402	PI/4 DQPSK	-5.940	-5	0.079	3
2.441	PI/4 DQPSK	-3.402	-2	0.143	3
2.480	PI/4 DQPSK	-3.050	-2	0.156	3
2.402	8DPSK	-4.936	-4	0.100	3
2.441	8DPSK	-2.317	-1	0.183	3
2.480	8DPSK	-1.971	-1	0.200	3

### Conclusion:

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

Signature:



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**NAME AND TITLE (Please print or type):** Lisa Wang/Manager

**COMPANY (Please print or type):** Shenzhen EMTEK Co.,Ltd./Building 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China