

MPE Calculation

Model Name : **Choreiking 2.0**
FCC ID : **2A89X-CHOREIKING20**

Device Category : **Portable device**
Separation distance : **5.0 mm**

KDB 447498 - 4.3.1 a)
For 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:
$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$$
 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

Modulation	Frequency (MHz)	Min. Test separation distance	Measured Maximum Average power	Tune-up tolerance	Max. Power with tune-up tolerance		Standalone SAR Test exclusion thresholds for 100MHz to 6GHz at test separation distance ≤ 50 mm	Limit	Result
		(mm)	(dBm)	(dB)	(dBm)	(mW)			
BT LE 1Mbps	2402	5.00	7.66	± 1.00	8.66	7.35	2.2768	3.00	PASS
	2442		7.85		8.85	7.67	2.3983	3.00	PASS
	2480		7.90		8.90	7.76	2.4449	3.00	PASS