

# MPE Calculation

Model Name : **Choreiking 2.0**

Device Category : **Portable device**

FCC ID : **2A89X-CHOREIKING20**

Separation distance : **5.0 mm**

## **KDB 447498 - 4.3.1 a)**

For 100 MHz to 6 GHz and test separation distances  $\leq$  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  $\leq 7.5$  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

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 $\leq$ 50 mm	Limit	Result	
					(mm)	(dBm)	(dB)	(dBm)	(mW)	
BT LE 1Mbps	2402	5.00	7.66	$\pm 1.00$	8.66	7.35	8.66	2.2768	3.00	<b>PASS</b>
	2442		7.85		8.85	7.67	8.85	2.3983	3.00	<b>PASS</b>
	2480		7.90		8.90	7.76	8.90	2.4449	3.00	<b>PASS</b>