

# MPE Calculation

Model Name : **D1**

FCC ID : **2A9A4-D1**

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  $\leq 50$  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(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 1M	2402	5.00	-4.89	$\pm 0.50$	-4.39	0.36	0.1128	3.00	PASS
	2442		-5.11		-4.61	0.35	0.1081	3.00	PASS
	2480		-5.19		-4.69	0.34	0.1070	3.00	PASS
BT LE 2M	2402	5.00	-4.94	$\pm 0.50$	-4.44	0.36	0.1115	3.00	PASS
	2442		-5.08		-4.58	0.35	0.1089	3.00	PASS
	2480		-5.04		-4.54	0.35	0.1107	3.00	PASS