

MPE Calculation

Model Name : **VAI-700**

Device Category : **Portable device**

FCC ID : **2BOD2-VAI-700**

Separation distance : **5.0 mm**

KDB Publication 447498 D04 Interim General RF Exposure Guidance v01 - 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:

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

- $f(\text{GHz})$ 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	Max. Tune-up 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)			
BLE 1M	2402	5.00	-4.90	± 1.00	-3.90	0.41	0.1263	3.00	PASS
	2442		-5.21		-4.21	0.38	0.1186	3.00	PASS
	2480		-5.28		-4.28	0.37	0.1176	3.00	PASS