

MPE Calculation

Model Name : **GS-434**

FCC ID : **2A8JB-GS-434**

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

- $f(\text{GHz})$ 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 ≤ 50 mm	Limit	Result
		(mm)	(dBm)	(dB)	(dBm)	(mW)			
BT LE(L)	2402	5.00	-0.16	± 0.50	0.34	1.08	0.3352	3.00	PASS
	2442		0.00		0.50	1.12	0.3507	3.00	PASS
	2480		-0.13		0.37	1.09	0.3430	3.00	PASS
BT LE(R)	2402	5.00	-1.39	± 0.50	-0.89	0.81	0.2525	3.00	PASS
	2442		-0.64		-0.14	0.97	0.3026	3.00	PASS
	2480		-0.21		0.29	1.07	0.3367	3.00	PASS