

MPE Calculation

Model Name : **SP132**

FCC ID : **S7A-SP132**

Device Category : **Portable device**

Separation distance : **66.4 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)			
GFSK	2402	66.40	14.74	± 0.50	15.24	33.42	0.7800	3.00	PASS
	2441		15.17		15.67	36.90	0.8682	3.00	PASS
	2480		14.73		15.23	33.34	0.7908	3.00	PASS
$\pi/4$ DQPSK	2402	66.40	3.49	± 0.50	3.99	2.51	0.0585	3.00	PASS
	2441		4.15		4.65	2.92	0.0686	3.00	PASS
	2480		3.89		4.39	2.75	0.0652	3.00	PASS
8DPSK	2402	66.40	4.11	± 0.50	4.61	2.89	0.0675	3.00	PASS
	2441		4.84		5.34	3.42	0.0805	3.00	PASS
	2480		4.60		5.10	3.24	0.0767	3.00	PASS
BT LE	2402	66.40	0.64	± 0.50	1.14	1.30	0.0303	3.00	PASS
	2442		1.10		1.60	1.45	0.0340	3.00	PASS
	2480		0.88		1.38	1.37	0.0326	3.00	PASS