

MPE Calculation

Model Name : CATI-UFO-02

FCC ID : 2BRJ3-CATI-UFO-02

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:
[(max. power of channel, including tune-up tolerance, mW) / (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(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	5.00	-0.83	± 1.00	0.17	1.04	0.3223	3.00	PASS
	2441		-0.75		0.25	1.06	0.3310	3.00	PASS
	2480		-0.07		0.93	1.24	0.3902	3.00	PASS
$\pi/4$ DQPSK	2402	5.00	0.93	± 1.00	1.93	1.56	0.4834	3.00	PASS
	2441		1.75		2.75	1.88	0.5886	3.00	PASS
	2480		2.62		3.62	2.30	0.7249	3.00	PASS
8DPSK	2402	5.00	1.37	± 1.00	2.37	1.73	0.5350	3.00	PASS
	2441		2.48		3.48	2.23	0.6963	3.00	PASS
	2480		3.44		4.44	2.78	0.8755	3.00	PASS
BT LE	2402	5.00	3.06	± 1.00	4.06	2.55	0.7894	3.00	PASS
	2442		4.20		5.20	3.31	1.0349	3.00	PASS
	2480		5.06		6.06	4.04	1.2713	3.00	PASS