

MPE Calculation

Model Name : **NEW ETEREO TC2**

FCC ID : **2A9AV-NEWETEREOTC2**

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	6.58	± 0.50	7.08	5.11	1.5824	3.00	PASS
	2441		5.52		6.02	4.00	1.2497	3.00	PASS
	2480		4.45		4.95	3.13	0.9846	3.00	PASS
BT LE	2402	5.00	6.61	± 0.50	7.11	5.14	1.5934	3.00	PASS
	2442		5.51		6.01	3.99	1.2471	3.00	PASS
	2480		4.42		4.92	3.10	0.9778	3.00	PASS