

# MPE Calculation

Model Name : **B602 X**

Device Category : **Portable device**

FCC ID : **Y6MNCOM24**

Separation distance : **34.5 mm**

**KDB 447498 - 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:  
 $[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR, and  $\leq 7.5$  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 $\leq 50$ mm	Limit	Result
		(mm)	(dBm)	(dB)	(dBm)	(mW)			
GFSK	2402	34.50	14.44	$\pm 0.50$	14.94	31.19	1.4011	3.00	PASS
	2441		14.41		14.91	30.97	1.4027	3.00	PASS
	2480		14.48		14.98	31.48	1.4368	3.00	PASS
$\pi/4$ DQPSK	2402	34.50	5.31	$\pm 0.50$	5.81	3.81	0.1712	3.00	PASS
	2441		5.53		6.03	4.01	0.1815	3.00	PASS
	2480		5.83		6.33	4.30	0.1961	3.00	PASS
8DPSK	2402	34.50	5.92	$\pm 0.50$	6.42	4.39	0.1970	3.00	PASS
	2441		6.07		6.57	4.54	0.2056	3.00	PASS
	2480		6.25		6.75	4.73	0.2160	3.00	PASS
BT LE	2402	34.50	3.37	$\pm 0.50$	3.87	2.44	0.1095	3.00	PASS
	2442		3.46		3.96	2.49	0.1127	3.00	PASS
	2480		3.87		4.37	2.74	0.1249	3.00	PASS