

MPE Calculation

Step 1)

SAR Test exclusion thresholds for 100MHz to 6GHz at test separation distance ≤ 50 mm = **Used**
 $[(\text{max.power of channel, including tune-up torelance, mW})/(\text{min. test separation distance, mm})] * [\sqrt{f(\text{GHz})}]$

Model Name : **B902 X**

Device Category : **Portable device**

FCC ID : **Y6MNCOM22**

Separation distance : **32.5 mm**

Modulation	Frequency (MHz)	Min. Test separation distance	Measured Maximum Average power	Tune-up tolerance	Max. Power with tune-up tolerance		SAR Test exclusion thresholds for 100MHz to 6GHz at test separation distance ≤ 50 mm	Limit	Result
		(mm)	(dBm)	(dB)	(dBm)	(mW)			
GFSK	2402	32.50	16.89	± 0.50	17.39	54.83	2.6146	3.00	PASS
	2441		17.11		17.61	57.68	2.7727	3.00	PASS
	2480		16.25		16.75	47.32	2.2927	3.00	PASS
$\pi/4$ DQPSK	2402	32.50	10.74	± 0.50	11.24	13.30	0.6345	3.00	PASS
	2441		11.85		12.35	17.18	0.8258	3.00	PASS
	2480		10.56		11.06	12.76	0.6185	3.00	PASS
8DPSK	2402	32.50	11.36	± 0.50	11.86	15.35	0.7318	3.00	PASS
	2441		12.44		12.94	19.68	0.9460	3.00	PASS
	2480		11.23		11.73	14.89	0.7217	3.00	PASS
BT LE	2402	32.50	4.90	± 0.50	5.40	3.47	0.1653	3.00	PASS
	2440		7.23		7.73	5.93	0.2850	3.00	PASS
	2480		6.05		6.55	4.52	0.2189	3.00	PASS