

MPE Calculation

Step 1)

SAR Test exclusion thresholds for 100MHz to 6GHz at test separation distance ≤ 50 mm = **Used**

$[(\text{max.power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] * [\sqrt{f(\text{GHz})}]$

Model Name : **miracle,m M100**

Device Category : **Bluetooth Karaoke Mic**

FCC ID : **2AXWO-MIRACLEM-M100**

Separation distance : **5.0 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	5.00	-2.62	± 1.00	-1.62	0.69	0.2135	3.00	PASS
	2441		-2.51		-1.51	0.71	0.2207	3.00	PASS
	2480		-2.66		-1.66	0.68	0.2149	3.00	PASS