

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 : **SP86**

Device Category : **Portable device**

FCC ID : **S7A-SP86**

Separation distance : **38.0 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	38.00	17.89	± 0.50	18.39	69.02	2.8152	3.00	PASS
	2441		17.91		18.41	69.34	2.8510	3.00	PASS
	2480		18.05		18.55	71.61	2.9679	3.00	PASS
$\pi/4$ DQPSK	2402	38.00	6.98	± 0.50	7.48	5.60	0.2283	3.00	PASS
	2441		7.38		7.88	6.14	0.2523	3.00	PASS
	2480		7.98		8.48	7.05	0.2920	3.00	PASS
8DPSK	2402	38.00	7.17	± 0.50	7.67	5.85	0.2385	3.00	PASS
	2441		7.63		8.13	6.50	0.2673	3.00	PASS
	2480		8.24		8.74	7.48	0.3101	3.00	PASS