

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 : **SP85**

Device Category : **Portable device**

FCC ID : **S7A-SP85**

Separation distance : **36.2 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	36.20	11.17	± 0.50	11.67	14.69	0.6289	3.00	PASS
	2441		17.05		17.55	56.89	2.4551	3.00	PASS
	2480		16.48		16.98	49.89	2.1703	3.00	PASS
$\pi/4$ DQPSK	2402	36.20	3.71	± 0.50	4.21	2.64	0.1129	3.00	PASS
	2441		7.69		8.19	6.59	0.2845	3.00	PASS
	2480		7.34		7.84	6.08	0.2646	3.00	PASS
8DPSK	2402	36.20	3.73	± 0.50	4.23	2.65	0.1134	3.00	PASS
	2441		7.70		8.20	6.61	0.2852	3.00	PASS
	2480		7.36		7.86	6.11	0.2658	3.00	PASS
BT LE	2402	36.20	-0.67	± 0.50	-0.17	0.96	0.0412	3.00	PASS
	2440		6.09		6.59	4.56	0.1968	3.00	PASS
	2480		5.53		6.03	4.01	0.1744	3.00	PASS