

Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
N30	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	22.20	23.59	23.98	PASS
N30	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	22.22	23.61	23.98	PASS
N30	15	5	DFT-PI2BPSK	L	Outer_Full	22.27	23.66	23.98	PASS
N30	15	5	DFT-QPSK	L	Inner_1RB_Left	22.14	23.53	23.98	PASS
N30	15	5	DFT-QPSK	L	Inner_1RB_Right	22.18	23.57	23.98	PASS
N30	15	5	DFT-QPSK	L	Outer_Full	22.28	23.67	23.98	PASS
N30	15	5	DFT-16QAM	L	Inner_1RB_Left	22.05	23.44	23.98	PASS
N30	15	5	DFT-16QAM	L	Inner_1RB_Right	22.05	23.44	23.98	PASS
N30	15	5	DFT-16QAM	L	Outer_Full	20.78	22.17	23.98	PASS
N30	15	5	DFT-64QAM	L	Inner_1RB_Left	19.89	21.28	23.98	PASS
N30	15	5	DFT-64QAM	L	Inner_1RB_Right	19.88	21.27	23.98	PASS
N30	15	5	DFT-64QAM	L	Outer_Full	19.74	21.13	23.98	PASS
N30	15	5	DFT-256QAM	L	Inner_1RB_Left	17.77	19.16	23.98	PASS
N30	15	5	DFT-256QAM	L	Inner_1RB_Right	17.76	19.15	23.98	PASS
N30	15	5	DFT-256QAM	L	Outer_Full	17.92	19.31	23.98	PASS
N30	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	22.23	23.62	23.98	PASS
N30	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	22.21	23.6	23.98	PASS
N30	15	5	DFT-PI2BPSK	M	Outer_Full	22.26	23.65	23.98	PASS
N30	15	5	DFT-QPSK	M	Inner_1RB_Left	22.45	23.84	23.98	PASS
N30	15	5	DFT-QPSK	M	Inner_1RB_Right	22.32	23.71	23.98	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	22.31	23.7	23.98	PASS
N30	15	5	DFT-16QAM	M	Inner_1RB_Left	22.13	23.52	23.98	PASS
N30	15	5	DFT-16QAM	M	Inner_1RB_Right	22.14	23.53	23.98	PASS
N30	15	5	DFT-16QAM	M	Outer_Full	20.78	22.17	23.98	PASS
N30	15	5	DFT-64QAM	M	Inner_1RB_Left	19.94	21.33	23.98	PASS
N30	15	5	DFT-64QAM	M	Inner_1RB_Right	19.84	21.23	23.98	PASS
N30	15	5	DFT-64QAM	M	Outer_Full	19.73	21.12	23.98	PASS
N30	15	5	DFT-256QAM	M	Inner_1RB_Left	17.82	19.21	23.98	PASS
N30	15	5	DFT-256QAM	M	Inner_1RB_Right	17.74	19.13	23.98	PASS
N30	15	5	DFT-256QAM	M	Outer_Full	17.93	19.32	23.98	PASS
N30	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	22.27	23.66	23.98	PASS
N30	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	22.24	23.63	23.98	PASS
N30	15	5	DFT-PI2BPSK	H	Outer_Full	22.28	23.67	23.98	PASS
N30	15	5	DFT-QPSK	H	Inner_1RB_Left	22.44	23.83	23.98	PASS
N30	15	5	DFT-QPSK	H	Inner_1RB_Right	22.36	23.75	23.98	PASS
N30	15	5	DFT-QPSK	H	Outer_Full	22.28	23.67	23.98	PASS
N30	15	5	DFT-16QAM	H	Inner_1RB_Left	22.12	23.51	23.98	PASS

N30	15	5	DFT-16QAM	H	Inner_1RB_Right	22.09	23.48	23.98	PASS
N30	15	5	DFT-16QAM	H	Outer_Full	20.76	22.15	23.98	PASS
N30	15	5	DFT-64QAM	H	Inner_1RB_Left	19.94	21.33	23.98	PASS
N30	15	5	DFT-64QAM	H	Inner_1RB_Right	19.90	21.29	23.98	PASS
N30	15	5	DFT-64QAM	H	Outer_Full	19.75	21.14	23.98	PASS
N30	15	5	DFT-256QAM	H	Inner_1RB_Left	17.81	19.2	23.98	PASS
N30	15	5	DFT-256QAM	H	Inner_1RB_Right	17.73	19.12	23.98	PASS
N30	15	5	DFT-256QAM	H	Outer_Full	17.96	19.35	23.98	PASS
N30	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	22.12	23.51	23.98	PASS
N30	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	22.12	23.51	23.98	PASS
N30	15	10	DFT-PI2BPSK	L	Outer_Full	22.15	23.54	23.98	PASS
N30	15	10	DFT-QPSK	L	Inner_1RB_Left	22.31	23.7	23.98	PASS
N30	15	10	DFT-QPSK	L	Inner_1RB_Right	22.22	23.61	23.98	PASS
N30	15	10	DFT-QPSK	L	Outer_Full	22.18	23.57	23.98	PASS
N30	15	10	DFT-16QAM	L	Inner_1RB_Left	21.90	23.29	23.98	PASS
N30	15	10	DFT-16QAM	L	Inner_1RB_Right	21.96	23.35	23.98	PASS
N30	15	10	DFT-16QAM	L	Outer_Full	20.63	22.02	23.98	PASS
N30	15	10	DFT-64QAM	L	Inner_1RB_Left	19.83	21.22	23.98	PASS
N30	15	10	DFT-64QAM	L	Inner_1RB_Right	19.83	21.22	23.98	PASS
N30	15	10	DFT-64QAM	L	Outer_Full	19.61	21	23.98	PASS
N30	15	10	DFT-256QAM	L	Inner_1RB_Left	17.62	19.01	23.98	PASS
N30	15	10	DFT-256QAM	L	Inner_1RB_Right	17.66	19.05	23.98	PASS
N30	15	10	DFT-256QAM	L	Outer_Full	17.74	19.13	23.98	PASS
N30	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	22.08	23.47	23.98	PASS
N30	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	22.10	23.49	23.98	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	22.09	23.48	23.98	PASS
N30	15	10	DFT-QPSK	M	Inner_1RB_Left	22.11	23.5	23.98	PASS
N30	15	10	DFT-QPSK	M	Inner_1RB_Right	22.09	23.48	23.98	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	22.18	23.57	23.98	PASS
N30	15	10	DFT-16QAM	M	Inner_1RB_Left	21.84	23.23	23.98	PASS
N30	15	10	DFT-16QAM	M	Inner_1RB_Right	21.99	23.38	23.98	PASS
N30	15	10	DFT-16QAM	M	Outer_Full	20.56	21.95	23.98	PASS
N30	15	10	DFT-64QAM	M	Inner_1RB_Left	19.82	21.21	23.98	PASS
N30	15	10	DFT-64QAM	M	Inner_1RB_Right	19.79	21.18	23.98	PASS
N30	15	10	DFT-64QAM	M	Outer_Full	19.62	21.01	23.98	PASS
N30	15	10	DFT-256QAM	M	Inner_1RB_Left	17.57	18.96	23.98	PASS
N30	15	10	DFT-256QAM	M	Inner_1RB_Right	17.65	19.04	23.98	PASS
N30	15	10	DFT-256QAM	M	Outer_Full	17.71	19.1	23.98	PASS
N30	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	22.11	23.5	23.98	PASS
N30	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	22.17	23.56	23.98	PASS
N30	15	10	DFT-PI2BPSK	H	Outer_Full	22.13	23.52	23.98	PASS
N30	15	10	DFT-QPSK	H	Inner_1RB_Left	22.27	23.66	23.98	PASS
N30	15	10	DFT-QPSK	H	Inner_1RB_Right	22.14	23.53	23.98	PASS

N30	15	10	DFT-QPSK	H	Outer_Full	22.18	23.57	23.98	PASS
N30	15	10	DFT-16QAM	H	Inner_1RB_Left	21.87	23.26	23.98	PASS
N30	15	10	DFT-16QAM	H	Inner_1RB_Right	21.92	23.31	23.98	PASS
N30	15	10	DFT-16QAM	H	Outer_Full	20.59	21.98	23.98	PASS
N30	15	10	DFT-64QAM	H	Inner_1RB_Left	19.72	21.11	23.98	PASS
N30	15	10	DFT-64QAM	H	Inner_1RB_Right	19.76	21.15	23.98	PASS
N30	15	10	DFT-64QAM	H	Outer_Full	19.60	20.99	23.98	PASS
N30	15	10	DFT-256QAM	H	Inner_1RB_Left	17.66	19.05	23.98	PASS
N30	15	10	DFT-256QAM	H	Inner_1RB_Right	17.68	19.07	23.98	PASS
N30	15	10	DFT-256QAM	H	Outer_Full	17.71	19.1	23.98	PASS

Field Strength of Spurious Radiation

Test Band = SA_n30_TM1

Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3062.5	52.37	-44.45	28.83	-58.51	-40.00	18.51	Horizontal
2	4687.5	46.72	-42.91	30.50	-60.95	-40.00	20.95	Horizontal
3	7429.5	44.12	-37.83	36.76	-52.21	-40.00	12.21	Horizontal
4	11531	44.07	-34.58	40.23	-45.54	-40.00	5.54	Horizontal
5	15268.5	41.64	-30.63	39.84	-44.41	-40.00	4.41	Horizontal
6	17985	40.89	-39.76	47.93	-46.20	-40.00	6.20	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3187.5	50.89	-44.02	28.48	-59.91	-40.00	19.91	Vertical
2	5372.5	46.41	-41.82	32.34	-58.33	-40.00	18.33	Vertical
3	7683	44.03	-37.30	36.73	-51.80	-40.00	11.80	Vertical
4	11434.5	44.12	-34.82	40.27	-45.69	-40.00	5.69	Vertical
5	14797	41.95	-32.64	41.61	-44.34	-40.00	4.34	Vertical
6	17986	40.45	-39.76	47.95	-46.62	-40.00	6.62	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

---End of Attachment---