

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	21.33	22.22	23.98	PASS
N30	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	21.32	22.21	23.98	PASS
N30	15	5	DFT-PI2BPSK	L	Outer_Full	20.8	21.69	23.98	PASS
N30	15	5	DFT-QPSK	L	Inner_1RB_Left	21.46	22.35	23.98	PASS
N30	15	5	DFT-QPSK	L	Inner_1RB_Right	21.48	22.37	23.98	PASS
N30	15	5	DFT-QPSK	L	Outer_Full	20.3	21.19	23.98	PASS
N30	15	5	DFT-16QAM	L	Inner_1RB_Left	20.09	20.98	23.98	PASS
N30	15	5	DFT-16QAM	L	Inner_1RB_Right	20	20.89	23.98	PASS
N30	15	5	DFT-16QAM	L	Outer_Full	19.26	20.15	23.98	PASS
N30	15	5	DFT-64QAM	L	Inner_1RB_Left	18.63	19.52	23.98	PASS
N30	15	5	DFT-64QAM	L	Inner_1RB_Right	18.54	19.43	23.98	PASS
N30	15	5	DFT-64QAM	L	Outer_Full	18.73	19.62	23.98	PASS
N30	15	5	DFT-256QAM	L	Inner_1RB_Left	17.18	18.07	23.98	PASS
N30	15	5	DFT-256QAM	L	Inner_1RB_Right	17.08	17.97	23.98	PASS
N30	15	5	DFT-256QAM	L	Outer_Full	16.82	17.71	23.98	PASS
N30	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	21.32	22.21	23.98	PASS
N30	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	21.32	22.21	23.98	PASS
N30	15	5	DFT-PI2BPSK	M	Outer_Full	20.81	21.7	23.98	PASS
N30	15	5	DFT-QPSK	M	Inner_1RB_Left	21.46	22.35	23.98	PASS
N30	15	5	DFT-QPSK	M	Inner_1RB_Right	21.42	22.31	23.98	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	20.28	21.17	23.98	PASS
N30	15	5	DFT-16QAM	M	Inner_1RB_Left	20.06	20.95	23.98	PASS
N30	15	5	DFT-16QAM	M	Inner_1RB_Right	20.1	20.99	23.98	PASS
N30	15	5	DFT-16QAM	M	Outer_Full	19.27	20.16	23.98	PASS
N30	15	5	DFT-64QAM	M	Inner_1RB_Left	18.67	19.56	23.98	PASS
N30	15	5	DFT-64QAM	M	Inner_1RB_Right	18.62	19.51	23.98	PASS
N30	15	5	DFT-64QAM	M	Outer_Full	18.67	19.56	23.98	PASS
N30	15	5	DFT-256QAM	M	Inner_1RB_Left	17	17.89	23.98	PASS
N30	15	5	DFT-256QAM	M	Inner_1RB_Right	17.11	18	23.98	PASS
N30	15	5	DFT-256QAM	M	Outer_Full	16.84	17.73	23.98	PASS
N30	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	21.45	22.34	23.98	PASS
N30	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	21.36	22.25	23.98	PASS
N30	15	5	DFT-PI2BPSK	H	Outer_Full	20.89	21.78	23.98	PASS
N30	15	5	DFT-QPSK	H	Inner_1RB_Left	21.53	22.42	23.98	PASS
N30	15	5	DFT-QPSK	H	Inner_1RB_Right	21.45	22.34	23.98	PASS
N30	15	5	DFT-QPSK	H	Outer_Full	20.34	21.23	23.98	PASS
N30	15	5	DFT-16QAM	H	Inner_1RB_Left	20.04	20.93	23.98	PASS
N30	15	5	DFT-16QAM	H	Inner_1RB_Right	20.05	20.94	23.98	PASS

N30	15	5	DFT-16QAM	H	Outer_Full	19.4	20.29	23.98	PASS
N30	15	5	DFT-64QAM	H	Inner_1RB_Left	18.61	19.5	23.98	PASS
N30	15	5	DFT-64QAM	H	Inner_1RB_Right	18.62	19.51	23.98	PASS
N30	15	5	DFT-64QAM	H	Outer_Full	18.9	19.79	23.98	PASS
N30	15	5	DFT-256QAM	H	Inner_1RB_Left	17.15	18.04	23.98	PASS
N30	15	5	DFT-256QAM	H	Inner_1RB_Right	16.99	17.88	23.98	PASS
N30	15	5	DFT-256QAM	H	Outer_Full	16.86	17.75	23.98	PASS
N30	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	21.37	22.26	23.98	PASS
N30	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	21.32	22.21	23.98	PASS
N30	15	10	DFT-PI2BPSK	L	Outer_Full	20.8	21.69	23.98	PASS
N30	15	10	DFT-QPSK	L	Inner_1RB_Left	21.52	22.41	23.98	PASS
N30	15	10	DFT-QPSK	L	Inner_1RB_Right	21.42	22.31	23.98	PASS
N30	15	10	DFT-QPSK	L	Outer_Full	20.42	21.31	23.98	PASS
N30	15	10	DFT-16QAM	L	Inner_1RB_Left	20.06	20.95	23.98	PASS
N30	15	10	DFT-16QAM	L	Inner_1RB_Right	20.04	20.93	23.98	PASS
N30	15	10	DFT-16QAM	L	Outer_Full	19.35	20.24	23.98	PASS
N30	15	10	DFT-64QAM	L	Inner_1RB_Left	18.69	19.58	23.98	PASS
N30	15	10	DFT-64QAM	L	Inner_1RB_Right	18.69	19.58	23.98	PASS
N30	15	10	DFT-64QAM	L	Outer_Full	18.78	19.67	23.98	PASS
N30	15	10	DFT-256QAM	L	Inner_1RB_Left	17.18	18.07	23.98	PASS
N30	15	10	DFT-256QAM	L	Inner_1RB_Right	16.98	17.87	23.98	PASS
N30	15	10	DFT-256QAM	L	Outer_Full	16.88	17.77	23.98	PASS
N30	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	21.33	22.22	23.98	PASS
N30	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	21.28	22.17	23.98	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	20.82	21.71	23.98	PASS
N30	15	10	DFT-QPSK	M	Inner_1RB_Left	21.44	22.33	23.98	PASS
N30	15	10	DFT-QPSK	M	Inner_1RB_Right	21.47	22.36	23.98	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	20.34	21.23	23.98	PASS
N30	15	10	DFT-16QAM	M	Inner_1RB_Left	20.03	20.92	23.98	PASS
N30	15	10	DFT-16QAM	M	Inner_1RB_Right	20.08	20.97	23.98	PASS
N30	15	10	DFT-16QAM	M	Outer_Full	19.3	20.19	23.98	PASS
N30	15	10	DFT-64QAM	M	Inner_1RB_Left	18.65	19.54	23.98	PASS
N30	15	10	DFT-64QAM	M	Inner_1RB_Right	18.59	19.48	23.98	PASS
N30	15	10	DFT-64QAM	M	Outer_Full	18.74	19.63	23.98	PASS
N30	15	10	DFT-256QAM	M	Inner_1RB_Left	17.14	18.03	23.98	PASS
N30	15	10	DFT-256QAM	M	Inner_1RB_Right	17.15	18.04	23.98	PASS
N30	15	10	DFT-256QAM	M	Outer_Full	16.87	17.76	23.98	PASS
N30	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	21.36	22.25	23.98	PASS
N30	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	21.4	22.29	23.98	PASS
N30	15	10	DFT-PI2BPSK	H	Outer_Full	20.85	21.74	23.98	PASS
N30	15	10	DFT-QPSK	H	Inner_1RB_Left	21.45	22.34	23.98	PASS
N30	15	10	DFT-QPSK	H	Inner_1RB_Right	21.42	22.31	23.98	PASS
N30	15	10	DFT-QPSK	H	Outer_Full	20.3	21.19	23.98	PASS
N30	15	10	DFT-16QAM	H	Inner_1RB_Left	19.97	20.86	23.98	PASS

N30	15	10	DFT-16QAM	H	Inner_1RB_Right	20.07	20.96	23.98	PASS
N30	15	10	DFT-16QAM	H	Outer_Full	19.35	20.24	23.98	PASS
N30	15	10	DFT-64QAM	H	Inner_1RB_Left	18.69	19.58	23.98	PASS
N30	15	10	DFT-64QAM	H	Inner_1RB_Right	18.58	19.47	23.98	PASS
N30	15	10	DFT-64QAM	H	Outer_Full	18.7	19.59	23.98	PASS
N30	15	10	DFT-256QAM	H	Inner_1RB_Left	17.03	17.92	23.98	PASS
N30	15	10	DFT-256QAM	H	Inner_1RB_Right	17.12	18.01	23.98	PASS
N30	15	10	DFT-256QAM	H	Outer_Full	16.88	17.77	23.98	PASS

Field Strength of Spurious Radiation

Test Band = SA Band30_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4439	45.30	-45.78	30.45	-65.28	-40.00	25.28	Horizontal
2	6083.5	44.08	-44.51	32.68	-63.01	-40.00	23.01	Horizontal
3	7555.5	42.29	-43.02	36.48	-59.52	-40.00	19.52	Horizontal
4	8919	41.11	-41.19	36.55	-58.80	-40.00	18.80	Horizontal
5	11812	36.26	-36.96	39.01	-56.95	-40.00	16.95	Horizontal
6	14190	33.16	-35.39	40.95	-56.54	-40.00	16.54	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3961.5	45.15	-46.13	29.34	-66.90	-40.00	26.90	Vertical
2	4888	44.58	-45.53	31.22	-64.99	-40.00	24.99	Vertical
3	6459	43.21	-44.53	33.96	-62.62	-40.00	22.62	Vertical
4	8465.5	41.72	-41.56	36.82	-58.28	-40.00	18.28	Vertical
5	10651.5	37.29	-38.17	38.57	-57.57	-40.00	17.57	Vertical
6	13164.5	35.41	-37.13	39.63	-57.35	-40.00	17.35	Vertical

Test Band = SA Band30_ TM1
Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4269.5	44.13	-45.61	30.05	-66.69	-40.00	26.69	Horizontal
2	5290	44.39	-45.11	31.92	-64.06	-40.00	24.06	Horizontal
3	6906.5	44.57	-44.06	34.83	-59.92	-40.00	19.92	Horizontal
4	7994.5	42.38	-42.38	37.09	-58.16	-40.00	18.16	Horizontal
5	10267.5	37.91	-39.22	38.53	-58.05	-40.00	18.05	Horizontal
6	12334.5	36.63	-37.46	39.20	-56.89	-40.00	16.89	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3740	44.74	-45.67	28.98	-67.20	-40.00	27.20	Vertical
2	4901.5	44.64	-45.53	31.24	-64.91	-40.00	24.91	Vertical
3	6078	44.53	-44.53	32.67	-62.60	-40.00	22.60	Vertical
4	8096.5	41.93	-41.39	37.04	-57.68	-40.00	17.68	Vertical
5	9871	38.81	-39.37	38.24	-57.58	-40.00	17.58	Vertical
6	12758	35.98	-36.77	39.33	-56.72	-40.00	16.72	Vertical

Test Band = SA Band30_ TM1
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4652.5	44.57	-45.63	30.84	-65.48	-40.00	25.48	Horizontal
2	6762	43.73	-44.03	34.57	-60.99	-40.00	20.99	Horizontal
3	8604.5	42.49	-41.35	36.74	-57.38	-40.00	17.38	Horizontal
4	10679.5	37.12	-38.00	38.57	-57.57	-40.00	17.57	Horizontal
5	13550.5	35.77	-36.55	40.17	-55.86	-40.00	15.86	Horizontal
6	16494	33.71	-33.88	40.78	-54.64	-40.00	14.64	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3794.5	44.71	-45.90	29.07	-67.38	-40.00	27.38	Vertical
2	4854.5	44.11	-45.53	31.17	-65.52	-40.00	25.52	Vertical
3	5855.5	44.27	-44.87	32.37	-63.49	-40.00	23.49	Vertical
4	7567.5	42.24	-43.00	36.49	-59.52	-40.00	19.52	Vertical
5	9708.5	38.49	-39.44	37.92	-58.30	-40.00	18.30	Vertical
6	13732.5	35.29	-36.24	40.43	-55.78	-40.00	15.78	Vertical

Test Band = NSA 2A-n30A_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7288	43.16	-43.71	35.81	-60.00	-40.00	20.00	Horizontal
2	8696	41.90	-41.68	36.68	-58.35	-40.00	18.35	Horizontal
3	9880.5	38.45	-39.36	38.26	-57.91	-40.00	17.91	Horizontal
4	11574.5	35.63	-37.00	38.89	-57.75	-40.00	17.75	Horizontal
5	13573	35.34	-36.33	40.20	-56.05	-40.00	16.05	Horizontal
6	15786	32.43	-33.11	39.95	-55.99	-40.00	15.99	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3772	44.96	-45.80	29.04	-67.07	-40.00	27.07	Vertical
2	5205	43.97	-45.27	31.77	-64.79	-40.00	24.79	Vertical
3	7036.5	43.03	-43.79	35.10	-60.92	-40.00	20.92	Vertical
4	8548	41.64	-41.48	36.77	-58.33	-40.00	18.33	Vertical
5	11264.5	36.80	-37.41	38.73	-57.14	-40.00	17.14	Vertical
6	14393.5	33.99	-34.89	41.11	-55.04	-40.00	15.04	Vertical

Test Band = NSA 2A-n30A_ TM1
Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3979	45.27	-46.09	29.37	-66.71	-40.00	26.71	Horizontal
2	5393.5	45.19	-45.29	32.11	-63.25	-40.00	23.25	Horizontal
3	6628.5	42.87	-44.20	34.33	-62.25	-40.00	22.25	Horizontal
4	8022.5	42.25	-42.13	37.09	-58.05	-40.00	18.05	Horizontal
5	11232.5	36.51	-37.40	38.72	-57.43	-40.00	17.43	Horizontal
6	13369	35.28	-36.49	39.92	-56.55	-40.00	16.55	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4090	44.69	-45.79	29.62	-66.74	-40.00	26.74	Vertical
2	5458	45.01	-45.27	32.22	-63.29	-40.00	23.29	Vertical
3	6824	43.46	-44.15	34.68	-61.27	-40.00	21.27	Vertical
4	8555	41.84	-41.46	36.77	-58.11	-40.00	18.11	Vertical
5	11443	36.42	-37.34	38.82	-57.36	-40.00	17.36	Vertical
6	13734.5	35.04	-36.24	40.43	-56.03	-40.00	16.03	Vertical

Test Band = NSA 2A-n30A_ TM1

Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3897.5	45.22	-46.27	29.24	-67.08	-40.00	27.08	Horizontal
2	4408.5	45.06	-45.81	30.38	-65.63	-40.00	25.63	Horizontal
3	6276	44.30	-44.59	33.34	-62.21	-40.00	22.21	Horizontal
4	7576.5	42.15	-42.98	36.51	-59.58	-40.00	19.58	Horizontal
5	10102.5	38.07	-39.13	38.51	-57.81	-40.00	17.81	Horizontal
6	13598.5	35.01	-36.09	40.24	-56.11	-40.00	16.11	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4145.5	44.08	-45.76	29.75	-67.20	-40.00	27.20	Vertical
2	5252.5	44.49	-45.18	31.85	-64.10	-40.00	24.10	Vertical
3	6340	43.79	-44.49	33.56	-62.40	-40.00	22.40	Vertical
4	7870.5	42.73	-42.67	36.92	-58.28	-40.00	18.28	Vertical
5	9476	40.77	-40.13	37.45	-57.17	-40.00	17.17	Vertical
6	13379	35.27	-36.43	39.93	-56.49	-40.00	16.49	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---