

Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	ERP (dBm)	Limit(dBm)	Verdict
N14	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.11	23.81	34.77	PASS
N14	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.09	23.79	34.77	PASS
N14	15	5	DFT-PI2BPSK	L	Outer_Full	22.68	23.38	34.77	PASS
N14	15	5	DFT-QPSK	L	Inner_1RB_Left	23.14	23.84	34.77	PASS
N14	15	5	DFT-QPSK	L	Inner_1RB_Right	23.16	23.86	34.77	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	22.17	22.87	34.77	PASS
N14	15	5	DFT-16QAM	L	Inner_1RB_Left	21.91	22.61	34.77	PASS
N14	15	5	DFT-16QAM	L	Inner_1RB_Right	21.74	22.44	34.77	PASS
N14	15	5	DFT-16QAM	L	Outer_Full	21.11	21.81	34.77	PASS
N14	15	5	DFT-64QAM	L	Inner_1RB_Left	20.41	21.11	34.77	PASS
N14	15	5	DFT-64QAM	L	Inner_1RB_Right	20.31	21.01	34.77	PASS
N14	15	5	DFT-64QAM	L	Outer_Full	20.53	21.23	34.77	PASS
N14	15	5	DFT-256QAM	L	Inner_1RB_Left	18.71	19.41	34.77	PASS
N14	15	5	DFT-256QAM	L	Inner_1RB_Right	18.67	19.37	34.77	PASS
N14	15	5	DFT-256QAM	L	Outer_Full	18.59	19.29	34.77	PASS
N14	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.12	23.82	34.77	PASS
N14	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.23	23.93	34.77	PASS
N14	15	5	DFT-PI2BPSK	M	Outer_Full	22.64	23.34	34.77	PASS
N14	15	5	DFT-QPSK	M	Inner_1RB_Left	23.09	23.79	34.77	PASS
N14	15	5	DFT-QPSK	M	Inner_1RB_Right	23.14	23.84	34.77	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	22.12	22.82	34.77	PASS
N14	15	5	DFT-16QAM	M	Inner_1RB_Left	21.85	22.55	34.77	PASS
N14	15	5	DFT-16QAM	M	Inner_1RB_Right	21.91	22.61	34.77	PASS
N14	15	5	DFT-16QAM	M	Outer_Full	21.09	21.79	34.77	PASS
N14	15	5	DFT-64QAM	M	Inner_1RB_Left	20.34	21.04	34.77	PASS
N14	15	5	DFT-64QAM	M	Inner_1RB_Right	20.43	21.13	34.77	PASS
N14	15	5	DFT-64QAM	M	Outer_Full	20.6	21.3	34.77	PASS
N14	15	5	DFT-256QAM	M	Inner_1RB_Left	18.69	19.39	34.77	PASS
N14	15	5	DFT-256QAM	M	Inner_1RB_Right	18.74	19.44	34.77	PASS
N14	15	5	DFT-256QAM	M	Outer_Full	18.53	19.23	34.77	PASS
N14	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.23	23.93	34.77	PASS
N14	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.18	23.88	34.77	PASS
N14	15	5	DFT-PI2BPSK	H	Outer_Full	23.04	23.74	34.77	PASS
N14	15	5	DFT-QPSK	H	Inner_1RB_Left	23.12	23.82	34.77	PASS
N14	15	5	DFT-QPSK	H	Inner_1RB_Right	23.14	23.84	34.77	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	22.13	22.83	34.77	PASS
N14	15	5	DFT-16QAM	H	Inner_1RB_Left	21.88	22.58	34.77	PASS
N14	15	5	DFT-16QAM	H	Inner_1RB_Right	21.87	22.57	34.77	PASS

N14	15	5	DFT-16QAM	H	Outer_Full	21.09	21.79	34.77	PASS
N14	15	5	DFT-64QAM	H	Inner_1RB_Left	20.4	21.1	34.77	PASS
N14	15	5	DFT-64QAM	H	Inner_1RB_Right	20.47	21.17	34.77	PASS
N14	15	5	DFT-64QAM	H	Outer_Full	20.62	21.32	34.77	PASS
N14	15	5	DFT-256QAM	H	Inner_1RB_Left	18.65	19.35	34.77	PASS
N14	15	5	DFT-256QAM	H	Inner_1RB_Right	18.67	19.37	34.77	PASS
N14	15	5	DFT-256QAM	H	Outer_Full	18.57	19.27	34.77	PASS
N14	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	23.11	23.81	34.77	PASS
N14	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	23.27	23.97	34.77	PASS
N14	15	10	DFT-PI2BPSK	L	Outer_Full	22.56	23.26	34.77	PASS
N14	15	10	DFT-QPSK	L	Inner_1RB_Left	23.21	23.91	34.77	PASS
N14	15	10	DFT-QPSK	L	Inner_1RB_Right	23.18	23.88	34.77	PASS
N14	15	10	DFT-QPSK	L	Outer_Full	22.11	22.81	34.77	PASS
N14	15	10	DFT-16QAM	L	Inner_1RB_Left	21.86	22.56	34.77	PASS
N14	15	10	DFT-16QAM	L	Inner_1RB_Right	21.93	22.63	34.77	PASS
N14	15	10	DFT-16QAM	L	Outer_Full	21.09	21.79	34.77	PASS
N14	15	10	DFT-64QAM	L	Inner_1RB_Left	20.37	21.07	34.77	PASS
N14	15	10	DFT-64QAM	L	Inner_1RB_Right	20.41	21.11	34.77	PASS
N14	15	10	DFT-64QAM	L	Outer_Full	20.63	21.33	34.77	PASS
N14	15	10	DFT-256QAM	L	Inner_1RB_Left	18.71	19.41	34.77	PASS
N14	15	10	DFT-256QAM	L	Inner_1RB_Right	18.85	19.55	34.77	PASS
N14	15	10	DFT-256QAM	L	Outer_Full	18.66	19.36	34.77	PASS
N14	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.19	23.89	34.77	PASS
N14	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.28	23.98	34.77	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	22.59	23.29	34.77	PASS
N14	15	10	DFT-QPSK	M	Inner_1RB_Left	23.1	23.8	34.77	PASS
N14	15	10	DFT-QPSK	M	Inner_1RB_Right	23.2	23.9	34.77	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	22.13	22.83	34.77	PASS
N14	15	10	DFT-16QAM	M	Inner_1RB_Left	21.88	22.58	34.77	PASS
N14	15	10	DFT-16QAM	M	Inner_1RB_Right	21.92	22.62	34.77	PASS
N14	15	10	DFT-16QAM	M	Outer_Full	21.15	21.85	34.77	PASS
N14	15	10	DFT-64QAM	M	Inner_1RB_Left	20.41	21.11	34.77	PASS
N14	15	10	DFT-64QAM	M	Inner_1RB_Right	20.47	21.17	34.77	PASS
N14	15	10	DFT-64QAM	M	Outer_Full	20.47	21.17	34.77	PASS
N14	15	10	DFT-256QAM	M	Inner_1RB_Left	18.67	19.37	34.77	PASS
N14	15	10	DFT-256QAM	M	Inner_1RB_Right	18.83	19.53	34.77	PASS
N14	15	10	DFT-256QAM	M	Outer_Full	18.59	19.29	34.77	PASS
N14	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.05	23.75	34.77	PASS
N14	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.22	23.92	34.77	PASS
N14	15	10	DFT-PI2BPSK	H	Outer_Full	22.64	23.34	34.77	PASS
N14	15	10	DFT-QPSK	H	Inner_1RB_Left	23.23	23.93	34.77	PASS
N14	15	10	DFT-QPSK	H	Inner_1RB_Right	23.17	23.87	34.77	PASS
N14	15	10	DFT-QPSK	H	Outer_Full	22.11	22.81	34.77	PASS
N14	15	10	DFT-16QAM	H	Inner_1RB_Left	21.8	22.5	34.77	PASS

N14	15	10	DFT-16QAM	H	Inner_1RB_Right	21.92	22.62	34.77	PASS
N14	15	10	DFT-16QAM	H	Outer_Full	21.12	21.82	34.77	PASS
N14	15	10	DFT-64QAM	H	Inner_1RB_Left	20.39	21.09	34.77	PASS
N14	15	10	DFT-64QAM	H	Inner_1RB_Right	20.52	21.22	34.77	PASS
N14	15	10	DFT-64QAM	H	Outer_Full	20.62	21.32	34.77	PASS
N14	15	10	DFT-256QAM	H	Inner_1RB_Left	18.78	19.48	34.77	PASS
N14	15	10	DFT-256QAM	H	Inner_1RB_Right	18.78	19.48	34.77	PASS
N14	15	10	DFT-256QAM	H	Outer_Full	18.58	19.28	34.77	PASS

Field Strength of Spurious Radiation

Test Band = SA Band14-10M_ 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	1581.7143	46.04	-48.29	25.38	-72.13	-40.00	32.13	Horizontal
2	1748.5714	45.90	-48.06	25.55	-71.87	-13.00	58.87	Horizontal
3	2314.2857	45.82	-47.49	26.83	-70.10	-13.00	57.10	Horizontal
4	2736	44.36	-47.00	27.62	-70.28	-13.00	57.28	Horizontal
5	4257.1429	43.35	-45.86	30.02	-67.75	-13.00	54.75	Horizontal
6	6353.7143	43.18	-44.68	33.60	-63.16	-13.00	50.16	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1571.4286	45.92	-48.29	25.37	-72.26	-40.00	32.26	Vertical
2	1932	46.05	-48.00	26.00	-71.22	-13.00	58.22	Vertical
3	2397.7143	45.89	-47.45	27.00	-69.83	-13.00	56.83	Vertical
4	2990.8571	44.39	-46.52	28.08	-69.31	-13.00	56.31	Vertical
5	4410.2857	44.05	-45.86	30.38	-66.69	-13.00	53.69	Vertical
6	5809.1429	43.57	-44.69	32.36	-64.02	-13.00	51.02	Vertical

Test Band = SA Band14-5M_ 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	1580.5714	46.13	-48.29	25.38	-72.04	-40.00	32.04	Horizontal
2	2032	45.90	-47.84	26.26	-70.94	-13.00	57.94	Horizontal
3	2647.4286	44.79	-46.99	27.47	-69.99	-13.00	56.99	Horizontal
4	3492.5714	44.35	-46.54	28.59	-68.86	-13.00	55.86	Horizontal
5	4890.2857	43.62	-45.59	31.22	-66.00	-13.00	53.00	Horizontal
6	6286.8571	42.73	-44.65	33.38	-63.80	-13.00	50.80	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1581.7143	46.24	-48.29	25.38	-71.93	-40.00	31.93	Vertical
2	2054.2857	45.97	-47.80	26.31	-70.78	-13.00	57.78	Vertical
3	2731.4286	44.27	-47.01	27.62	-70.38	-13.00	57.38	Vertical
4	3777.7143	44.30	-46.16	29.04	-68.07	-13.00	55.07	Vertical
5	5408	44.26	-44.98	32.13	-63.85	-13.00	50.85	Vertical
6	6906.2857	43.69	-44.13	34.83	-60.87	-13.00	47.87	Vertical

Test Band = SA Band14-5M_ 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	1588.5714	46.06	-48.28	25.39	-72.10	-40.00	32.10	Horizontal
2	2080	46.00	-47.75	26.36	-70.65	-13.00	57.65	Horizontal
3	2836	43.97	-46.79	27.80	-70.28	-13.00	57.28	Horizontal
4	3701.1429	44.02	-46.15	28.92	-68.47	-13.00	55.47	Horizontal
5	4750.8571	43.61	-45.72	31.00	-66.37	-13.00	53.37	Horizontal
6	6715.4286	42.35	-44.07	34.49	-62.49	-13.00	49.49	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1583.4286	46.13	-48.29	25.38	-72.03	-40.00	32.03	Vertical
2	2237.1429	45.54	-47.61	26.67	-70.66	-13.00	57.66	Vertical
3	2705.7143	44.90	-47.04	27.57	-69.83	-13.00	56.83	Vertical
4	3598.8571	44.61	-46.34	28.76	-68.23	-13.00	55.23	Vertical
5	4406.8571	44.03	-45.87	30.38	-66.72	-13.00	53.72	Vertical
6	4750.2857	43.65	-45.72	31.00	-66.33	-13.00	53.33	Vertical

Test Band = SA Band14-5M_ 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	1583.4286	46.20	-48.29	25.38	-71.96	-40.00	31.96	Horizontal
2	1946.8571	46.36	-47.98	26.04	-70.84	-13.00	57.84	Horizontal
3	2736.5714	45.21	-47.00	27.63	-69.43	-13.00	56.43	Horizontal
4	3596	44.41	-46.35	28.75	-68.44	-13.00	55.44	Horizontal
5	5222.8571	43.32	-45.06	31.80	-65.20	-13.00	52.20	Horizontal
6	6284	43.38	-44.65	33.37	-63.17	-13.00	50.17	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1588.5714	46.35	-48.28	25.39	-71.81	-40.00	31.81	Vertical
2	2169.1429	45.36	-47.69	26.54	-71.05	-13.00	58.05	Vertical
3	3169.1429	43.94	-46.43	28.27	-69.48	-13.00	56.48	Vertical
4	3734.8571	44.50	-46.15	28.98	-67.94	-13.00	54.94	Vertical
5	5326.2857	44.07	-45.21	31.99	-64.41	-13.00	51.41	Vertical
6	7334.2857	42.39	-43.40	35.94	-60.33	-13.00	47.33	Vertical

Test Band = NSA 30A-n14A_ 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	3597.5	45.98	-46.13	28.76	-66.66	-40.00	26.66	Horizontal
2	4735	44.81	-45.58	30.98	-65.05	-40.00	25.05	Horizontal
3	6699	43.13	-43.82	34.46	-61.49	-40.00	21.49	Horizontal
4	8431	41.99	-41.50	36.84	-57.93	-40.00	17.93	Horizontal
5	10656	37.74	-38.14	38.57	-57.09	-40.00	17.09	Horizontal
6	12175	36.54	-37.45	39.15	-57.02	-40.00	17.02	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3979	44.68	-46.09	29.37	-67.30	-40.00	27.30	Vertical
2	5582.5	44.17	-45.10	32.32	-63.87	-40.00	23.87	Vertical
3	6789.5	43.37	-44.13	34.62	-61.40	-40.00	21.40	Vertical
4	8753.5	41.96	-41.45	36.65	-58.11	-40.00	18.11	Vertical
5	12093	36.38	-37.36	39.13	-57.11	-40.00	17.11	Vertical
6	13378.5	35.74	-36.43	39.93	-56.02	-40.00	16.02	Vertical

Test Band = NSA 30A-n14A_ 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	4018.5	45.33	-45.99	29.44	-66.47	-40.00	26.47	Horizontal
2	5237	44.59	-45.21	31.83	-64.05	-40.00	24.05	Horizontal
3	6820.5	43.67	-44.16	34.68	-61.07	-40.00	21.07	Horizontal
4	8468.5	42.05	-41.57	36.82	-57.96	-40.00	17.96	Horizontal
5	10674.5	37.18	-38.03	38.57	-57.54	-40.00	17.54	Horizontal
6	12802	35.88	-36.84	39.34	-56.88	-40.00	16.88	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3770	44.54	-45.79	29.03	-67.48	-40.00	27.48	Vertical
2	5400	44.67	-45.30	32.12	-63.77	-40.00	23.77	Vertical
3	6670.5	42.56	-43.97	34.41	-62.26	-40.00	22.26	Vertical
4	7854.5	42.24	-42.59	36.90	-58.71	-40.00	18.71	Vertical
5	10714.5	36.65	-37.99	38.57	-58.02	-40.00	18.02	Vertical
6	12968	35.29	-37.26	39.39	-57.84	-40.00	17.84	Vertical

Test Band = NSA 30A-n14A_ 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	4026.5	44.88	-45.97	29.46	-66.88	-40.00	26.88	Horizontal
2	5810.5	44.05	-44.77	32.36	-63.62	-40.00	23.62	Horizontal
3	6920.5	43.16	-43.99	34.86	-61.23	-40.00	21.23	Horizontal
4	8768.5	42.33	-41.39	36.64	-57.68	-40.00	17.68	Horizontal
5	11283.5	36.83	-37.42	38.74	-57.10	-40.00	17.10	Horizontal
6	13482.5	36.08	-36.90	40.08	-56.00	-40.00	16.00	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4081.5	44.17	-45.81	29.60	-67.31	-40.00	27.31	Vertical
2	5867	43.87	-44.90	32.37	-63.91	-40.00	23.91	Vertical
3	7803.5	42.33	-42.33	36.82	-58.43	-40.00	18.43	Vertical
4	10286.5	37.77	-39.15	38.53	-58.11	-40.00	18.11	Vertical
5	12783.5	36.08	-36.81	39.34	-56.65	-40.00	16.65	Vertical
6	14988	33.51	-34.64	41.59	-54.80	-40.00	14.80	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---