

Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	ERP (dBm)	Limit(dBm)	Verdict
N12	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.38	23.83	34.77	PASS
N12	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.33	23.78	34.77	PASS
N12	15	5	DFT-PI2BPSK	L	Outer_Full	22.94	23.39	34.77	PASS
N12	15	5	DFT-QPSK	L	Inner_1RB_Left	23.53	23.98	34.77	PASS
N12	15	5	DFT-QPSK	L	Inner_1RB_Right	23.43	23.88	34.77	PASS
N12	15	5	DFT-QPSK	L	Outer_Full	22.37	22.82	34.77	PASS
N12	15	5	DFT-16QAM	L	Inner_1RB_Left	22.09	22.54	34.77	PASS
N12	15	5	DFT-16QAM	L	Inner_1RB_Right	22.05	22.5	34.77	PASS
N12	15	5	DFT-16QAM	L	Outer_Full	21.46	21.91	34.77	PASS
N12	15	5	DFT-64QAM	L	Inner_1RB_Left	20.77	21.22	34.77	PASS
N12	15	5	DFT-64QAM	L	Inner_1RB_Right	20.72	21.17	34.77	PASS
N12	15	5	DFT-64QAM	L	Outer_Full	20.93	21.38	34.77	PASS
N12	15	5	DFT-256QAM	L	Inner_1RB_Left	19.01	19.46	34.77	PASS
N12	15	5	DFT-256QAM	L	Inner_1RB_Right	18.92	19.37	34.77	PASS
N12	15	5	DFT-256QAM	L	Outer_Full	18.85	19.3	34.77	PASS
N12	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.4	23.85	34.77	PASS
N12	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.36	23.81	34.77	PASS
N12	15	5	DFT-PI2BPSK	M	Outer_Full	23	23.45	34.77	PASS
N12	15	5	DFT-QPSK	M	Inner_1RB_Left	23.46	23.91	34.77	PASS
N12	15	5	DFT-QPSK	M	Inner_1RB_Right	23.55	24	34.77	PASS
N12	15	5	DFT-QPSK	M	Outer_Full	22.46	22.91	34.77	PASS
N12	15	5	DFT-16QAM	M	Inner_1RB_Left	22.04	22.49	34.77	PASS
N12	15	5	DFT-16QAM	M	Inner_1RB_Right	22.13	22.58	34.77	PASS
N12	15	5	DFT-16QAM	M	Outer_Full	21.48	21.93	34.77	PASS
N12	15	5	DFT-64QAM	M	Inner_1RB_Left	20.72	21.17	34.77	PASS
N12	15	5	DFT-64QAM	M	Inner_1RB_Right	20.76	21.21	34.77	PASS
N12	15	5	DFT-64QAM	M	Outer_Full	20.9	21.35	34.77	PASS
N12	15	5	DFT-256QAM	M	Inner_1RB_Left	19.01	19.46	34.77	PASS
N12	15	5	DFT-256QAM	M	Inner_1RB_Right	18.96	19.41	34.77	PASS
N12	15	5	DFT-256QAM	M	Outer_Full	18.86	19.31	34.77	PASS
N12	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.34	23.79	34.77	PASS
N12	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.55	24	34.77	PASS
N12	15	5	DFT-PI2BPSK	H	Outer_Full	23	23.45	34.77	PASS
N12	15	5	DFT-QPSK	H	Inner_1RB_Left	23.5	23.95	34.77	PASS
N12	15	5	DFT-QPSK	H	Inner_1RB_Right	23.56	24.01	34.77	PASS
N12	15	5	DFT-QPSK	H	Outer_Full	22.44	22.89	34.77	PASS
N12	15	5	DFT-16QAM	H	Inner_1RB_Left	22.24	22.69	34.77	PASS
N12	15	5	DFT-16QAM	H	Inner_1RB_Right	22.18	22.63	34.77	PASS

N12	15	5	DFT-16QAM	H	Outer_Full	21.52	21.97	34.77	PASS
N12	15	5	DFT-64QAM	H	Inner_1RB_Left	20.78	21.23	34.77	PASS
N12	15	5	DFT-64QAM	H	Inner_1RB_Right	20.9	21.35	34.77	PASS
N12	15	5	DFT-64QAM	H	Outer_Full	20.99	21.44	34.77	PASS
N12	15	5	DFT-256QAM	H	Inner_1RB_Left	18.95	19.4	34.77	PASS
N12	15	5	DFT-256QAM	H	Inner_1RB_Right	19.12	19.57	34.77	PASS
N12	15	5	DFT-256QAM	H	Outer_Full	18.86	19.31	34.77	PASS
N12	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	23.39	23.84	34.77	PASS
N12	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	23.39	23.84	34.77	PASS
N12	15	10	DFT-PI2BPSK	L	Outer_Full	22.82	23.27	34.77	PASS
N12	15	10	DFT-QPSK	L	Inner_1RB_Left	23.57	24.02	34.77	PASS
N12	15	10	DFT-QPSK	L	Inner_1RB_Right	23.56	24.01	34.77	PASS
N12	15	10	DFT-QPSK	L	Outer_Full	22.35	22.8	34.77	PASS
N12	15	10	DFT-16QAM	L	Inner_1RB_Left	22.25	22.7	34.77	PASS
N12	15	10	DFT-16QAM	L	Inner_1RB_Right	22.27	22.72	34.77	PASS
N12	15	10	DFT-16QAM	L	Outer_Full	21.26	21.71	34.77	PASS
N12	15	10	DFT-64QAM	L	Inner_1RB_Left	20.78	21.23	34.77	PASS
N12	15	10	DFT-64QAM	L	Inner_1RB_Right	20.81	21.26	34.77	PASS
N12	15	10	DFT-64QAM	L	Outer_Full	20.9	21.35	34.77	PASS
N12	15	10	DFT-256QAM	L	Inner_1RB_Left	18.99	19.44	34.77	PASS
N12	15	10	DFT-256QAM	L	Inner_1RB_Right	18.89	19.34	34.77	PASS
N12	15	10	DFT-256QAM	L	Outer_Full	18.82	19.27	34.77	PASS
N12	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.26	23.71	34.77	PASS
N12	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.48	23.93	34.77	PASS
N12	15	10	DFT-PI2BPSK	M	Outer_Full	23.03	23.48	34.77	PASS
N12	15	10	DFT-QPSK	M	Inner_1RB_Left	23.49	23.94	34.77	PASS
N12	15	10	DFT-QPSK	M	Inner_1RB_Right	23.59	24.04	34.77	PASS
N12	15	10	DFT-QPSK	M	Outer_Full	22.4	22.85	34.77	PASS
N12	15	10	DFT-16QAM	M	Inner_1RB_Left	22.15	22.6	34.77	PASS
N12	15	10	DFT-16QAM	M	Inner_1RB_Right	22.34	22.79	34.77	PASS
N12	15	10	DFT-16QAM	M	Outer_Full	21.41	21.86	34.77	PASS
N12	15	10	DFT-64QAM	M	Inner_1RB_Left	20.68	21.13	34.77	PASS
N12	15	10	DFT-64QAM	M	Inner_1RB_Right	20.83	21.28	34.77	PASS
N12	15	10	DFT-64QAM	M	Outer_Full	20.97	21.42	34.77	PASS
N12	15	10	DFT-256QAM	M	Inner_1RB_Left	18.97	19.42	34.77	PASS
N12	15	10	DFT-256QAM	M	Inner_1RB_Right	19.09	19.54	34.77	PASS
N12	15	10	DFT-256QAM	M	Outer_Full	18.85	19.3	34.77	PASS
N12	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.27	23.72	34.77	PASS
N12	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.62	24.07	34.77	PASS
N12	15	10	DFT-PI2BPSK	H	Outer_Full	22.86	23.31	34.77	PASS
N12	15	10	DFT-QPSK	H	Inner_1RB_Left	23.53	23.98	34.77	PASS
N12	15	10	DFT-QPSK	H	Inner_1RB_Right	23.72	24.17	34.77	PASS
N12	15	10	DFT-QPSK	H	Outer_Full	22.4	22.85	34.77	PASS
N12	15	10	DFT-16QAM	H	Inner_1RB_Left	22.11	22.56	34.77	PASS

N12	15	10	DFT-16QAM	H	Inner_1RB_Right	22.33	22.78	34.77	PASS
N12	15	10	DFT-16QAM	H	Outer_Full	21.42	21.87	34.77	PASS
N12	15	10	DFT-64QAM	H	Inner_1RB_Left	20.78	21.23	34.77	PASS
N12	15	10	DFT-64QAM	H	Inner_1RB_Right	20.87	21.32	34.77	PASS
N12	15	10	DFT-64QAM	H	Outer_Full	20.85	21.3	34.77	PASS
N12	15	10	DFT-256QAM	H	Inner_1RB_Left	18.95	19.4	34.77	PASS
N12	15	10	DFT-256QAM	H	Inner_1RB_Right	19.18	19.63	34.77	PASS
N12	15	10	DFT-256QAM	H	Outer_Full	18.91	19.36	34.77	PASS
N12	15	15	DFT-PI2BPSK	L	Inner_1RB_Left	23.5	23.95	34.77	PASS
N12	15	15	DFT-PI2BPSK	L	Inner_1RB_Right	23.47	23.92	34.77	PASS
N12	15	15	DFT-PI2BPSK	L	Outer_Full	22.93	23.38	34.77	PASS
N12	15	15	DFT-QPSK	L	Inner_1RB_Left	23.54	23.99	34.77	PASS
N12	15	15	DFT-QPSK	L	Inner_1RB_Right	23.66	24.11	34.77	PASS
N12	15	15	DFT-QPSK	L	Outer_Full	22.43	22.88	34.77	PASS
N12	15	15	DFT-16QAM	L	Inner_1RB_Left	22.24	22.69	34.77	PASS
N12	15	15	DFT-16QAM	L	Inner_1RB_Right	22.29	22.74	34.77	PASS
N12	15	15	DFT-16QAM	L	Outer_Full	21.42	21.87	34.77	PASS
N12	15	15	DFT-64QAM	L	Inner_1RB_Left	20.82	21.27	34.77	PASS
N12	15	15	DFT-64QAM	L	Inner_1RB_Right	20.89	21.34	34.77	PASS
N12	15	15	DFT-64QAM	L	Outer_Full	20.88	21.33	34.77	PASS
N12	15	15	DFT-256QAM	L	Inner_1RB_Left	19.05	19.5	34.77	PASS
N12	15	15	DFT-256QAM	L	Inner_1RB_Right	19.07	19.52	34.77	PASS
N12	15	15	DFT-256QAM	L	Outer_Full	18.91	19.36	34.77	PASS
N12	15	15	DFT-PI2BPSK	M	Inner_1RB_Left	23.51	23.96	34.77	PASS
N12	15	15	DFT-PI2BPSK	M	Inner_1RB_Right	23.45	23.9	34.77	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	22.91	23.36	34.77	PASS
N12	15	15	DFT-QPSK	M	Inner_1RB_Left	23.52	23.97	34.77	PASS
N12	15	15	DFT-QPSK	M	Inner_1RB_Right	23.63	24.08	34.77	PASS
N12	15	15	DFT-QPSK	M	Outer_Full	22.51	22.96	34.77	PASS
N12	15	15	DFT-16QAM	M	Inner_1RB_Left	22.16	22.61	34.77	PASS
N12	15	15	DFT-16QAM	M	Inner_1RB_Right	22.4	22.85	34.77	PASS
N12	15	15	DFT-16QAM	M	Outer_Full	21.41	21.86	34.77	PASS
N12	15	15	DFT-64QAM	M	Inner_1RB_Left	20.8	21.25	34.77	PASS
N12	15	15	DFT-64QAM	M	Inner_1RB_Right	20.92	21.37	34.77	PASS
N12	15	15	DFT-64QAM	M	Outer_Full	20.94	21.39	34.77	PASS
N12	15	15	DFT-256QAM	M	Inner_1RB_Left	19.08	19.53	34.77	PASS
N12	15	15	DFT-256QAM	M	Inner_1RB_Right	19.18	19.63	34.77	PASS
N12	15	15	DFT-256QAM	M	Outer_Full	18.97	19.42	34.77	PASS
N12	15	15	DFT-PI2BPSK	H	Inner_1RB_Left	23.44	23.89	34.77	PASS
N12	15	15	DFT-PI2BPSK	H	Inner_1RB_Right	23.46	23.91	34.77	PASS
N12	15	15	DFT-PI2BPSK	H	Outer_Full	22.83	23.28	34.77	PASS
N12	15	15	DFT-QPSK	H	Inner_1RB_Left	23.52	23.97	34.77	PASS
N12	15	15	DFT-QPSK	H	Inner_1RB_Right	23.71	24.16	34.77	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	22.45	22.9	34.77	PASS

N12	15	15	DFT-16QAM	H	Inner_1RB_Left	22.24	22.69	34.77	PASS
N12	15	15	DFT-16QAM	H	Inner_1RB_Right	22.41	22.86	34.77	PASS
N12	15	15	DFT-16QAM	H	Outer_Full	21.43	21.88	34.77	PASS
N12	15	15	DFT-64QAM	H	Inner_1RB_Left	20.86	21.31	34.77	PASS
N12	15	15	DFT-64QAM	H	Inner_1RB_Right	20.98	21.43	34.77	PASS
N12	15	15	DFT-64QAM	H	Outer_Full	20.98	21.43	34.77	PASS
N12	15	15	DFT-256QAM	H	Inner_1RB_Left	19.03	19.48	34.77	PASS
N12	15	15	DFT-256QAM	H	Inner_1RB_Right	19.17	19.62	34.77	PASS
N12	15	15	DFT-256QAM	H	Outer_Full	19	19.45	34.77	PASS

Field Strength of Spurious Radiation

Test Band = SA Band12_ 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	1453.7143	46.24	-48.17	25.25	-71.94	-13.00	58.94	Horizontal
2	2089.1429	46.05	-47.73	26.38	-70.56	-13.00	57.56	Horizontal
3	2752	44.95	-46.98	27.65	-69.64	-13.00	56.64	Horizontal
4	3593.1429	44.63	-46.35	28.75	-68.23	-13.00	55.23	Horizontal
5	5083.4286	42.92	-45.45	31.55	-66.24	-13.00	53.24	Horizontal
6	6350.2857	43.11	-44.68	33.59	-63.23	-13.00	50.23	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1438.2857	46.14	-48.12	25.24	-72.00	-13.00	59.00	Vertical
2	2035.4286	46.35	-47.83	26.27	-70.47	-13.00	57.47	Vertical
3	2568.5714	45.38	-47.04	27.32	-69.59	-13.00	56.59	Vertical
4	3489.1429	44.27	-46.54	28.59	-68.94	-13.00	55.94	Vertical
5	4858.2857	43.33	-45.61	31.17	-66.36	-13.00	53.36	Vertical
6	6337.1429	42.84	-44.66	33.55	-63.53	-13.00	50.53	Vertical

Test Band = SA Band12_ 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	1602.8571	46.24	-48.28	25.40	-71.89	-13.00	58.89	Horizontal
2	2232.5714	45.89	-47.62	26.67	-70.33	-13.00	57.33	Horizontal
3	2717.1429	45.27	-47.03	27.59	-69.43	-13.00	56.43	Horizontal
4	3726.8571	43.58	-46.15	28.96	-68.87	-13.00	55.87	Horizontal
5	4744	43.49	-45.73	30.99	-66.51	-13.00	53.51	Horizontal
6	6031.4286	43.58	-44.51	32.51	-63.68	-13.00	50.68	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1457.1429	46.51	-48.18	25.26	-71.68	-13.00	58.68	Vertical
2	2604.5714	45.53	-46.94	27.39	-69.28	-13.00	56.28	Vertical
3	3286.8571	44.03	-46.63	28.39	-69.47	-13.00	56.47	Vertical
4	4094.2857	43.24	-45.92	29.63	-68.31	-13.00	55.31	Vertical
5	5432.5714	44.31	-45.03	32.18	-63.80	-13.00	50.80	Vertical
6	7675.4286	41.80	-43.25	36.65	-60.06	-13.00	47.06	Vertical

Test Band = SA Band12_ 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	1278.2857	47.15	-48.23	25.14	-71.20	-13.00	58.20	Horizontal
2	1934.2857	46.17	-48.00	26.00	-71.09	-13.00	58.09	Horizontal
3	2224.5714	45.92	-47.64	26.65	-70.33	-13.00	57.33	Horizontal
4	3025.1429	44.89	-46.58	28.13	-68.82	-13.00	55.82	Horizontal
5	3960.5714	44.00	-46.21	29.34	-68.13	-13.00	55.13	Horizontal
6	5651.4286	43.04	-44.91	32.33	-64.80	-13.00	51.80	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1272	46.95	-48.25	25.14	-71.43	-13.00	58.43	Vertical
2	1671.4286	45.87	-48.19	25.47	-72.11	-13.00	59.11	Vertical
3	2414.8571	46.03	-47.42	27.03	-69.62	-13.00	56.62	Vertical
4	3011.4286	44.78	-46.55	28.11	-68.91	-13.00	55.91	Vertical
5	4117.1429	43.18	-45.91	29.68	-68.31	-13.00	55.31	Vertical
6	5398.8571	44.02	-44.97	32.12	-64.10	-13.00	51.10	Vertical

Test Band = NSA 48A-n12A_ 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	7593.075	41.85	-42.77	36.53	-59.65	-40.00	19.65	Horizontal
2	9123.725	38.30	-40.30	36.75	-60.51	-40.00	20.51	Horizontal
3	10485.9	36.81	-38.75	38.55	-58.66	-40.00	18.66	Horizontal
4	11590.475	35.67	-36.94	38.90	-57.63	-40.00	17.63	Horizontal
5	13759.375	34.96	-36.14	40.46	-55.98	-40.00	15.98	Horizontal
6	14397.625	34.13	-35.10	41.12	-55.11	-40.00	15.11	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7708.65	40.65	-42.92	36.69	-60.84	-40.00	20.84	Vertical
2	9391.1	39.23	-39.93	37.28	-58.68	-40.00	18.68	Vertical
3	10036.825	36.94	-39.13	38.50	-58.95	-40.00	18.95	Vertical
4	11430.625	35.47	-37.20	38.82	-58.18	-40.00	18.18	Vertical
5	13165.975	34.16	-36.58	39.63	-58.05	-40.00	18.05	Vertical
6	14394.175	33.28	-35.13	41.12	-55.99	-40.00	15.99	Vertical

Test Band = NSA 48A-n12A_ 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	7946.125	42.36	-42.46	37.02	-58.33	-40.00	18.33	Horizontal
2	9160.525	38.84	-40.13	36.82	-59.73	-40.00	19.73	Horizontal
3	10483.6	37.04	-38.75	38.55	-58.43	-40.00	18.43	Horizontal
4	11410.5	36.38	-37.41	38.81	-57.48	-40.00	17.48	Horizontal
5	12835.925	35.71	-36.71	39.35	-56.91	-40.00	16.91	Horizontal
6	14606.925	32.81	-35.31	41.29	-56.47	-40.00	16.47	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7587.9	41.61	-42.79	36.52	-59.92	-40.00	19.92	Vertical
2	8757.45	41.15	-41.23	36.65	-58.69	-40.00	18.69	Vertical
3	10271.425	36.67	-39.06	38.53	-59.12	-40.00	19.12	Vertical
4	11711.225	34.18	-36.21	38.96	-58.34	-40.00	18.34	Vertical
5	13759.375	34.64	-36.14	40.46	-56.30	-40.00	16.30	Vertical
6	14606.925	32.30	-35.31	41.29	-56.98	-40.00	16.98	Vertical

Test Band = NSA 48A-n12A_ 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	7597.1	41.96	-42.75	36.54	-59.52	-40.00	19.52	Horizontal
2	8758.6	41.44	-41.22	36.64	-58.40	-40.00	18.40	Horizontal
3	10000.025	38.34	-39.38	38.50	-57.80	-40.00	17.80	Horizontal
4	11246.05	36.29	-36.89	38.72	-57.14	-40.00	17.14	Horizontal
5	12584.075	35.65	-37.16	39.28	-57.49	-40.00	17.49	Horizontal
6	13965.8	33.43	-35.05	40.75	-56.13	-40.00	16.13	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7579.275	41.55	-42.83	36.51	-60.03	-40.00	20.03	Vertical
2	8847.15	40.92	-41.03	36.59	-58.78	-40.00	18.78	Vertical
3	10661.85	36.40	-37.69	38.57	-57.98	-40.00	17.98	Vertical
4	11546.2	34.71	-36.73	38.87	-58.40	-40.00	18.40	Vertical
5	13722	34.58	-36.05	40.41	-56.32	-40.00	16.32	Vertical
6	15035.3	32.93	-34.44	41.53	-55.25	-40.00	15.25	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---