

Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	ERP (dBm)	Limit (dBm)	Verdict
N5	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.10	24.48	38.45	PASS
N5	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	22.88	24.26	38.45	PASS
N5	15	5	DFT-PI2BPSK	L	Outer_Full	23.02	24.4	38.45	PASS
N5	15	5	DFT-QPSK	L	Inner_1RB_Left	23.19	24.57	38.45	PASS
N5	15	5	DFT-QPSK	L	Inner_1RB_Right	22.88	24.26	38.45	PASS
N5	15	5	DFT-QPSK	L	Outer_Full	22.98	24.36	38.45	PASS
N5	15	5	DFT-16QAM	L	Inner_1RB_Left	22.56	23.94	38.45	PASS
N5	15	5	DFT-16QAM	L	Inner_1RB_Right	22.28	23.66	38.45	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	21.51	22.89	38.45	PASS
N5	15	5	DFT-64QAM	L	Inner_1RB_Left	20.34	21.72	38.45	PASS
N5	15	5	DFT-64QAM	L	Inner_1RB_Right	20.17	21.55	38.45	PASS
N5	15	5	DFT-64QAM	L	Outer_Full	20.46	21.84	38.45	PASS
N5	15	5	DFT-256QAM	L	Inner_1RB_Left	18.74	20.12	38.45	PASS
N5	15	5	DFT-256QAM	L	Inner_1RB_Right	18.55	19.93	38.45	PASS
N5	15	5	DFT-256QAM	L	Outer_Full	18.58	19.96	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	22.42	23.8	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	22.39	23.77	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Outer_Full	22.49	23.87	38.45	PASS
N5	15	5	DFT-QPSK	M	Inner_1RB_Left	22.46	23.84	38.45	PASS
N5	15	5	DFT-QPSK	M	Inner_1RB_Right	22.36	23.74	38.45	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	22.44	23.82	38.45	PASS
N5	15	5	DFT-16QAM	M	Inner_1RB_Left	21.99	23.37	38.45	PASS
N5	15	5	DFT-16QAM	M	Inner_1RB_Right	21.95	23.33	38.45	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	20.97	22.35	38.45	PASS
N5	15	5	DFT-64QAM	M	Inner_1RB_Left	19.72	21.1	38.45	PASS
N5	15	5	DFT-64QAM	M	Inner_1RB_Right	19.67	21.05	38.45	PASS
N5	15	5	DFT-64QAM	M	Outer_Full	19.94	21.32	38.45	PASS
N5	15	5	DFT-256QAM	M	Inner_1RB_Left	18.27	19.65	38.45	PASS
N5	15	5	DFT-256QAM	M	Inner_1RB_Right	18.16	19.54	38.45	PASS
N5	15	5	DFT-256QAM	M	Outer_Full	18.00	19.38	38.45	PASS
N5	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	22.44	23.82	38.45	PASS
N5	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	22.46	23.84	38.45	PASS
N5	15	5	DFT-PI2BPSK	H	Outer_Full	22.47	23.85	38.45	PASS
N5	15	5	DFT-QPSK	H	Inner_1RB_Left	22.57	23.95	38.45	PASS
N5	15	5	DFT-QPSK	H	Inner_1RB_Right	22.71	24.09	38.45	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	22.58	23.96	38.45	PASS
N5	15	5	DFT-16QAM	H	Inner_1RB_Left	22.09	23.47	38.45	PASS

N5	15	5	DFT-16QAM	H	Inner_1RB_Right	22.38	23.76	38.45	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	21.01	22.39	38.45	PASS
N5	15	5	DFT-64QAM	H	Inner_1RB_Left	19.68	21.06	38.45	PASS
N5	15	5	DFT-64QAM	H	Inner_1RB_Right	19.84	21.22	38.45	PASS
N5	15	5	DFT-64QAM	H	Outer_Full	19.86	21.24	38.45	PASS
N5	15	5	DFT-256QAM	H	Inner_1RB_Left	18.01	19.39	38.45	PASS
N5	15	5	DFT-256QAM	H	Inner_1RB_Right	18.04	19.42	38.45	PASS
N5	15	5	DFT-256QAM	H	Outer_Full	18.05	19.43	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	22.99	24.37	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	22.46	23.84	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Outer_Full	22.66	24.04	38.45	PASS
N5	15	10	DFT-QPSK	L	Inner_1RB_Left	23.06	24.44	38.45	PASS
N5	15	10	DFT-QPSK	L	Inner_1RB_Right	22.46	23.84	38.45	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	22.61	23.99	38.45	PASS
N5	15	10	DFT-16QAM	L	Inner_1RB_Left	22.54	23.92	38.45	PASS
N5	15	10	DFT-16QAM	L	Inner_1RB_Right	22.18	23.56	38.45	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	21.16	22.54	38.45	PASS
N5	15	10	DFT-64QAM	L	Inner_1RB_Left	20.63	22.01	38.45	PASS
N5	15	10	DFT-64QAM	L	Inner_1RB_Right	20.11	21.49	38.45	PASS
N5	15	10	DFT-64QAM	L	Outer_Full	20.20	21.58	38.45	PASS
N5	15	10	DFT-256QAM	L	Inner_1RB_Left	18.31	19.69	38.45	PASS
N5	15	10	DFT-256QAM	L	Inner_1RB_Right	17.80	19.18	38.45	PASS
N5	15	10	DFT-256QAM	L	Outer_Full	18.24	19.62	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	22.42	23.8	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	22.31	23.69	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Outer_Full	22.38	23.76	38.45	PASS
N5	15	10	DFT-QPSK	M	Inner_1RB_Left	22.57	23.95	38.45	PASS
N5	15	10	DFT-QPSK	M	Inner_1RB_Right	22.41	23.79	38.45	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	22.45	23.83	38.45	PASS
N5	15	10	DFT-16QAM	M	Inner_1RB_Left	21.88	23.26	38.45	PASS
N5	15	10	DFT-16QAM	M	Inner_1RB_Right	21.69	23.07	38.45	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	20.86	22.24	38.45	PASS
N5	15	10	DFT-64QAM	M	Inner_1RB_Left	19.86	21.24	38.45	PASS
N5	15	10	DFT-64QAM	M	Inner_1RB_Right	19.65	21.03	38.45	PASS
N5	15	10	DFT-64QAM	M	Outer_Full	19.87	21.25	38.45	PASS
N5	15	10	DFT-256QAM	M	Inner_1RB_Left	18.05	19.43	38.45	PASS
N5	15	10	DFT-256QAM	M	Inner_1RB_Right	17.94	19.32	38.45	PASS
N5	15	10	DFT-256QAM	M	Outer_Full	18.08	19.46	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	22.21	23.59	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	22.42	23.8	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	Outer_Full	22.13	23.51	38.45	PASS
N5	15	10	DFT-QPSK	H	Inner_1RB_Left	22.25	23.63	38.45	PASS
N5	15	10	DFT-QPSK	H	Inner_1RB_Right	22.67	24.05	38.45	PASS

N5	15	10	DFT-QPSK	H	Outer_Full	22.16	23.54	38.45	PASS
N5	15	10	DFT-16QAM	H	Inner_1RB_Left	21.94	23.32	38.45	PASS
N5	15	10	DFT-16QAM	H	Inner_1RB_Right	22.28	23.66	38.45	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	20.63	22.01	38.45	PASS
N5	15	10	DFT-64QAM	H	Inner_1RB_Left	19.72	21.1	38.45	PASS
N5	15	10	DFT-64QAM	H	Inner_1RB_Right	19.96	21.34	38.45	PASS
N5	15	10	DFT-64QAM	H	Outer_Full	19.65	21.03	38.45	PASS
N5	15	10	DFT-256QAM	H	Inner_1RB_Left	17.73	19.11	38.45	PASS
N5	15	10	DFT-256QAM	H	Inner_1RB_Right	18.00	19.38	38.45	PASS
N5	15	10	DFT-256QAM	H	Outer_Full	17.77	19.15	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	Inner_1RB_Left	23.12	24.5	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	Inner_1RB_Right	22.46	23.84	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	Outer_Full	22.71	24.09	38.45	PASS
N5	15	15	DFT-QPSK	L	Inner_1RB_Left	23.24	24.62	38.45	PASS
N5	15	15	DFT-QPSK	L	Inner_1RB_Right	22.40	23.78	38.45	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	22.77	24.15	38.45	PASS
N5	15	15	DFT-16QAM	L	Inner_1RB_Left	22.82	24.2	38.45	PASS
N5	15	15	DFT-16QAM	L	Inner_1RB_Right	22.14	23.52	38.45	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	21.27	22.65	38.45	PASS
N5	15	15	DFT-64QAM	L	Inner_1RB_Left	20.63	22.01	38.45	PASS
N5	15	15	DFT-64QAM	L	Inner_1RB_Right	19.98	21.36	38.45	PASS
N5	15	15	DFT-64QAM	L	Outer_Full	20.25	21.63	38.45	PASS
N5	15	15	DFT-256QAM	L	Inner_1RB_Left	18.64	20.02	38.45	PASS
N5	15	15	DFT-256QAM	L	Inner_1RB_Right	18.03	19.41	38.45	PASS
N5	15	15	DFT-256QAM	L	Outer_Full	18.34	19.72	38.45	PASS
N5	15	15	DFT-PI2BPSK	M	Inner_1RB_Left	22.68	24.06	38.45	PASS
N5	15	15	DFT-PI2BPSK	M	Inner_1RB_Right	22.49	23.87	38.45	PASS
N5	15	15	DFT-PI2BPSK	M	Outer_Full	22.58	23.96	38.45	PASS
N5	15	15	DFT-QPSK	M	Inner_1RB_Left	22.88	24.26	38.45	PASS
N5	15	15	DFT-QPSK	M	Inner_1RB_Right	22.67	24.05	38.45	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	22.66	24.04	38.45	PASS
N5	15	15	DFT-16QAM	M	Inner_1RB_Left	22.45	23.83	38.45	PASS
N5	15	15	DFT-16QAM	M	Inner_1RB_Right	22.21	23.59	38.45	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	21.07	22.45	38.45	PASS
N5	15	15	DFT-64QAM	M	Inner_1RB_Left	20.22	21.6	38.45	PASS
N5	15	15	DFT-64QAM	M	Inner_1RB_Right	19.96	21.34	38.45	PASS
N5	15	15	DFT-64QAM	M	Outer_Full	20.12	21.5	38.45	PASS
N5	15	15	DFT-256QAM	M	Inner_1RB_Left	18.22	19.6	38.45	PASS
N5	15	15	DFT-256QAM	M	Inner_1RB_Right	18.00	19.38	38.45	PASS
N5	15	15	DFT-256QAM	M	Outer_Full	18.20	19.58	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Inner_1RB_Left	22.24	23.62	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Inner_1RB_Right	22.47	23.85	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Outer_Full	22.34	23.72	38.45	PASS

N5	15	15	DFT-QPSK	H	Inner_1RB_Left	22.40	23.78	38.45	PASS
N5	15	15	DFT-QPSK	H	Inner_1RB_Right	22.77	24.15	38.45	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	22.30	23.68	38.45	PASS
N5	15	15	DFT-16QAM	H	Inner_1RB_Left	21.93	23.31	38.45	PASS
N5	15	15	DFT-16QAM	H	Inner_1RB_Right	22.35	23.73	38.45	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	20.80	22.18	38.45	PASS
N5	15	15	DFT-64QAM	H	Inner_1RB_Left	19.82	21.2	38.45	PASS
N5	15	15	DFT-64QAM	H	Inner_1RB_Right	20.15	21.53	38.45	PASS
N5	15	15	DFT-64QAM	H	Outer_Full	19.74	21.12	38.45	PASS
N5	15	15	DFT-256QAM	H	Inner_1RB_Left	17.96	19.34	38.45	PASS
N5	15	15	DFT-256QAM	H	Inner_1RB_Right	18.24	19.62	38.45	PASS
N5	15	15	DFT-256QAM	H	Outer_Full	17.91	19.29	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	22.86	24.24	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Right	22.43	23.81	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Outer_Full	22.68	24.06	38.45	PASS
N5	15	20	DFT-QPSK	L	Inner_1RB_Left	22.97	24.35	38.45	PASS
N5	15	20	DFT-QPSK	L	Inner_1RB_Right	22.58	23.96	38.45	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	22.63	24.01	38.45	PASS
N5	15	20	DFT-16QAM	L	Inner_1RB_Left	22.35	23.73	38.45	PASS
N5	15	20	DFT-16QAM	L	Inner_1RB_Right	21.94	23.32	38.45	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	21.13	22.51	38.45	PASS
N5	15	20	DFT-64QAM	L	Inner_1RB_Left	20.53	21.91	38.45	PASS
N5	15	20	DFT-64QAM	L	Inner_1RB_Right	20.08	21.46	38.45	PASS
N5	15	20	DFT-64QAM	L	Outer_Full	20.06	21.44	38.45	PASS
N5	15	20	DFT-256QAM	L	Inner_1RB_Left	18.37	19.75	38.45	PASS
N5	15	20	DFT-256QAM	L	Inner_1RB_Right	17.97	19.35	38.45	PASS
N5	15	20	DFT-256QAM	L	Outer_Full	18.29	19.67	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	22.64	24.02	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Right	22.47	23.85	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	22.69	24.07	38.45	PASS
N5	15	20	DFT-QPSK	M	Inner_1RB_Left	22.70	24.08	38.45	PASS
N5	15	20	DFT-QPSK	M	Inner_1RB_Right	22.55	23.93	38.45	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	22.66	24.04	38.45	PASS
N5	15	20	DFT-16QAM	M	Inner_1RB_Left	22.13	23.51	38.45	PASS
N5	15	20	DFT-16QAM	M	Inner_1RB_Right	21.89	23.27	38.45	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	21.17	22.55	38.45	PASS
N5	15	20	DFT-64QAM	M	Inner_1RB_Left	20.09	21.47	38.45	PASS
N5	15	20	DFT-64QAM	M	Inner_1RB_Right	19.98	21.36	38.45	PASS
N5	15	20	DFT-64QAM	M	Outer_Full	20.16	21.54	38.45	PASS
N5	15	20	DFT-256QAM	M	Inner_1RB_Left	18.36	19.74	38.45	PASS
N5	15	20	DFT-256QAM	M	Inner_1RB_Right	18.18	19.56	38.45	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	18.32	19.7	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	22.45	23.83	38.45	PASS

N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Right	22.54	23.92	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Outer_Full	22.64	24.02	38.45	PASS
N5	15	20	DFT-QPSK	H	Inner_1RB_Left	22.66	24.04	38.45	PASS
N5	15	20	DFT-QPSK	H	Inner_1RB_Right	22.83	24.21	38.45	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	22.60	23.98	38.45	PASS
N5	15	20	DFT-16QAM	H	Inner_1RB_Left	22.09	23.47	38.45	PASS
N5	15	20	DFT-16QAM	H	Inner_1RB_Right	22.41	23.79	38.45	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	21.05	22.43	38.45	PASS
N5	15	20	DFT-64QAM	H	Inner_1RB_Left	19.78	21.16	38.45	PASS
N5	15	20	DFT-64QAM	H	Inner_1RB_Right	20.01	21.39	38.45	PASS
N5	15	20	DFT-64QAM	H	Outer_Full	20.08	21.46	38.45	PASS
N5	15	20	DFT-256QAM	H	Inner_1RB_Left	18.30	19.68	38.45	PASS
N5	15	20	DFT-256QAM	H	Inner_1RB_Right	18.48	19.86	38.45	PASS
N5	15	20	DFT-256QAM	H	Outer_Full	18.20	19.58	38.45	PASS

Field Strength of Spurious Radiation

Test Band = SA_n5_TM1

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1812.5	56.76	-46.60	25.45	-59.65	-13.00	46.65	Horizontal
2	1937.5	57.66	-46.46	25.48	-58.58	-13.00	45.58	Horizontal
3	3062.5	51.06	-45.30	28.83	-60.67	-13.00	47.67	Horizontal
4	5583.5	46.26	-41.52	32.47	-58.05	-13.00	45.05	Horizontal
5	7398	44.23	-38.24	36.69	-52.58	-13.00	39.58	Horizontal
6	9985	42.04	-35.02	38.69	-49.55	-13.00	36.55	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1812.5	52.47	-46.60	25.45	-63.94	-13.00	50.94	Vertical
2	1937.5	52.40	-46.46	25.48	-63.84	-13.00	50.84	Vertical
3	3187.5	50.08	-44.73	28.48	-61.43	-13.00	48.43	Vertical
4	5194.5	46.15	-42.10	31.89	-59.32	-13.00	46.32	Vertical
5	7429.5	44.03	-37.91	36.76	-52.38	-13.00	39.38	Vertical
6	9977.5	42.21	-34.99	38.68	-49.36	-13.00	36.36	Vertical

Test Band = SA_n5_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	1812.5	56.38	-46.60	25.45	-60.03	-13.00	47.03	Horizontal
2	1937.5	57.99	-46.46	25.48	-58.25	-13.00	45.25	Horizontal
3	3187.5	50.73	-44.73	28.48	-60.78	-13.00	47.78	Horizontal
4	5424.5	46.05	-41.81	32.35	-58.67	-13.00	45.67	Horizontal
5	7683.5	43.31	-37.51	36.73	-52.73	-13.00	39.73	Horizontal
6	9925.5	42.24	-34.98	38.63	-49.37	-13.00	36.37	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1812.5	52.72	-46.60	25.45	-63.69	-13.00	50.69	Vertical
2	1937.5	52.63	-46.46	25.48	-63.61	-13.00	50.61	Vertical
3	3187.5	50.38	-44.73	28.48	-61.13	-13.00	48.13	Vertical
4	5396.5	45.96	-41.79	32.48	-58.61	-13.00	45.61	Vertical
5	8366	43.20	-36.63	36.36	-52.33	-13.00	39.33	Vertical
6	9940	42.43	-34.94	38.64	-49.13	-13.00	36.13	Vertical

Test Band = SA_n5_TM1

Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1812.5	56.72	-46.60	25.45	-59.69	-13.00	46.69	Horizontal
2	1937.5	58.35	-46.46	25.48	-57.89	-13.00	44.89	Horizontal
3	3062.5	50.82	-45.30	28.83	-60.91	-13.00	47.91	Horizontal
4	5377.5	45.91	-41.70	32.37	-58.68	-13.00	45.68	Horizontal
5	8019	43.09	-36.99	36.44	-52.72	-13.00	39.72	Horizontal
6	9983	42.54	-35.01	38.68	-49.05	-13.00	36.05	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1812.5	52.14	-46.60	25.45	-64.27	-13.00	51.27	Vertical
2	1937.5	52.57	-46.46	25.48	-63.67	-13.00	50.67	Vertical
3	3187.5	50.19	-44.73	28.48	-61.32	-13.00	48.32	Vertical
4	5586	45.68	-41.50	32.49	-58.59	-13.00	45.59	Vertical
5	7838	44.14	-37.42	36.75	-51.79	-13.00	38.79	Vertical
6	9983.5	42.43	-35.01	38.68	-49.16	-13.00	36.16	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---