

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	22.88	23.14	34.77	PASS
N14	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	22.98	23.24	34.77	PASS
N14	15	5	DFT-PI2BPSK	L	Outer_Full	22.99	23.25	34.77	PASS
N14	15	5	DFT-QPSK	L	Inner_1RB_Left	23.17	23.43	34.77	PASS
N14	15	5	DFT-QPSK	L	Inner_1RB_Right	23.14	23.4	34.77	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	23.01	23.27	34.77	PASS
N14	15	5	DFT-16QAM	L	Inner_1RB_Left	22.83	23.09	34.77	PASS
N14	15	5	DFT-16QAM	L	Inner_1RB_Right	22.89	23.15	34.77	PASS
N14	15	5	DFT-16QAM	L	Outer_Full	21.49	21.75	34.77	PASS
N14	15	5	DFT-64QAM	L	Inner_1RB_Left	20.57	20.83	34.77	PASS
N14	15	5	DFT-64QAM	L	Inner_1RB_Right	20.61	20.87	34.77	PASS
N14	15	5	DFT-64QAM	L	Outer_Full	20.46	20.72	34.77	PASS
N14	15	5	DFT-256QAM	L	Inner_1RB_Left	18.71	18.97	34.77	PASS
N14	15	5	DFT-256QAM	L	Inner_1RB_Right	18.66	18.92	34.77	PASS
N14	15	5	DFT-256QAM	L	Outer_Full	18.52	18.78	34.77	PASS
N14	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.03	23.29	34.77	PASS
N14	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	22.88	23.14	34.77	PASS
N14	15	5	DFT-PI2BPSK	M	Outer_Full	23.03	23.29	34.77	PASS
N14	15	5	DFT-QPSK	M	Inner_1RB_Left	23.03	23.29	34.77	PASS
N14	15	5	DFT-QPSK	M	Inner_1RB_Right	23.01	23.27	34.77	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	23.08	23.34	34.77	PASS
N14	15	5	DFT-16QAM	M	Inner_1RB_Left	22.52	22.78	34.77	PASS
N14	15	5	DFT-16QAM	M	Inner_1RB_Right	22.44	22.7	34.77	PASS
N14	15	5	DFT-16QAM	M	Outer_Full	21.55	21.81	34.77	PASS
N14	15	5	DFT-64QAM	M	Inner_1RB_Left	20.47	20.73	34.77	PASS
N14	15	5	DFT-64QAM	M	Inner_1RB_Right	20.44	20.7	34.77	PASS
N14	15	5	DFT-64QAM	M	Outer_Full	20.48	20.74	34.77	PASS
N14	15	5	DFT-256QAM	M	Inner_1RB_Left	18.79	19.05	34.77	PASS
N14	15	5	DFT-256QAM	M	Inner_1RB_Right	18.80	19.06	34.77	PASS
N14	15	5	DFT-256QAM	M	Outer_Full	18.57	18.83	34.77	PASS
N14	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.00	23.26	34.77	PASS
N14	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	22.75	23.01	34.77	PASS
N14	15	5	DFT-PI2BPSK	H	Outer_Full	22.95	23.21	34.77	PASS
N14	15	5	DFT-QPSK	H	Inner_1RB_Left	23.17	23.43	34.77	PASS
N14	15	5	DFT-QPSK	H	Inner_1RB_Right	23.09	23.35	34.77	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	22.97	23.23	34.77	PASS
N14	15	5	DFT-16QAM	H	Inner_1RB_Left	22.45	22.71	34.77	PASS

N14	15	5	DFT-16QAM	H	Inner_1RB_Right	22.28	22.54	34.77	PASS
N14	15	5	DFT-16QAM	H	Outer_Full	21.56	21.82	34.77	PASS
N14	15	5	DFT-64QAM	H	Inner_1RB_Left	20.49	20.75	34.77	PASS
N14	15	5	DFT-64QAM	H	Inner_1RB_Right	20.42	20.68	34.77	PASS
N14	15	5	DFT-64QAM	H	Outer_Full	20.46	20.72	34.77	PASS
N14	15	5	DFT-256QAM	H	Inner_1RB_Left	18.82	19.08	34.77	PASS
N14	15	5	DFT-256QAM	H	Inner_1RB_Right	18.73	18.99	34.77	PASS
N14	15	5	DFT-256QAM	H	Outer_Full	18.52	18.78	34.77	PASS
N14	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	22.74	23	34.77	PASS
N14	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	22.89	23.15	34.77	PASS
N14	15	10	DFT-PI2BPSK	L	Outer_Full	22.76	23.02	34.77	PASS
N14	15	10	DFT-QPSK	L	Inner_1RB_Left	22.91	23.17	34.77	PASS
N14	15	10	DFT-QPSK	L	Inner_1RB_Right	23.07	23.33	34.77	PASS
N14	15	10	DFT-QPSK	L	Outer_Full	22.76	23.02	34.77	PASS
N14	15	10	DFT-16QAM	L	Inner_1RB_Left	22.49	22.75	34.77	PASS
N14	15	10	DFT-16QAM	L	Inner_1RB_Right	22.73	22.99	34.77	PASS
N14	15	10	DFT-16QAM	L	Outer_Full	21.27	21.53	34.77	PASS
N14	15	10	DFT-64QAM	L	Inner_1RB_Left	20.18	20.44	34.77	PASS
N14	15	10	DFT-64QAM	L	Inner_1RB_Right	20.29	20.55	34.77	PASS
N14	15	10	DFT-64QAM	L	Outer_Full	20.14	20.4	34.77	PASS
N14	15	10	DFT-256QAM	L	Inner_1RB_Left	18.35	18.61	34.77	PASS
N14	15	10	DFT-256QAM	L	Inner_1RB_Right	18.46	18.72	34.77	PASS
N14	15	10	DFT-256QAM	L	Outer_Full	18.40	18.66	34.77	PASS
N14	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	22.70	22.96	34.77	PASS
N14	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	22.74	23	34.77	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	22.72	22.98	34.77	PASS
N14	15	10	DFT-QPSK	M	Inner_1RB_Left	22.91	23.17	34.77	PASS
N14	15	10	DFT-QPSK	M	Inner_1RB_Right	22.99	23.25	34.77	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	22.78	23.04	34.77	PASS
N14	15	10	DFT-16QAM	M	Inner_1RB_Left	22.47	22.73	34.77	PASS
N14	15	10	DFT-16QAM	M	Inner_1RB_Right	22.73	22.99	34.77	PASS
N14	15	10	DFT-16QAM	M	Outer_Full	21.25	21.51	34.77	PASS
N14	15	10	DFT-64QAM	M	Inner_1RB_Left	20.18	20.44	34.77	PASS
N14	15	10	DFT-64QAM	M	Inner_1RB_Right	20.24	20.5	34.77	PASS
N14	15	10	DFT-64QAM	M	Outer_Full	20.18	20.44	34.77	PASS
N14	15	10	DFT-256QAM	M	Inner_1RB_Left	18.35	18.61	34.77	PASS
N14	15	10	DFT-256QAM	M	Inner_1RB_Right	18.47	18.73	34.77	PASS
N14	15	10	DFT-256QAM	M	Outer_Full	18.43	18.69	34.77	PASS
N14	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	22.69	22.95	34.77	PASS
N14	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	22.75	23.01	34.77	PASS
N14	15	10	DFT-PI2BPSK	H	Outer_Full	22.72	22.98	34.77	PASS
N14	15	10	DFT-QPSK	H	Inner_1RB_Left	22.73	22.99	34.77	PASS
N14	15	10	DFT-QPSK	H	Inner_1RB_Right	22.85	23.11	34.77	PASS

N14	15	10	DFT-QPSK	H	Outer_Full	22.76	23.02	34.77	PASS
N14	15	10	DFT-16QAM	H	Inner_1RB_Left	22.46	22.72	34.77	PASS
N14	15	10	DFT-16QAM	H	Inner_1RB_Right	22.56	22.82	34.77	PASS
N14	15	10	DFT-16QAM	H	Outer_Full	21.20	21.46	34.77	PASS
N14	15	10	DFT-64QAM	H	Inner_1RB_Left	20.27	20.53	34.77	PASS
N14	15	10	DFT-64QAM	H	Inner_1RB_Right	20.19	20.45	34.77	PASS
N14	15	10	DFT-64QAM	H	Outer_Full	20.23	20.49	34.77	PASS
N14	15	10	DFT-256QAM	H	Inner_1RB_Left	18.53	18.79	34.77	PASS
N14	15	10	DFT-256QAM	H	Inner_1RB_Right	18.50	18.76	34.77	PASS
N14	15	10	DFT-256QAM	H	Outer_Full	18.29	18.55	34.77	PASS

Field Strength of Spurious Radiation

Test Band = SA_n14_5MHz_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	1576.5	47.94	-46.89	24.68	-69.53	-40.00	29.53	Horizontal
2	1687.5	52.86	-46.81	25.20	-64.01	-13.00	51.01	Horizontal
3	1812.5	54.55	-46.60	25.45	-61.86	-13.00	48.86	Horizontal
4	1937.5	56.20	-46.46	25.48	-60.04	-13.00	47.04	Horizontal
5	3062.5	51.62	-45.30	28.83	-60.11	-13.00	47.11	Horizontal
6	9263	41.99	-35.34	37.40	-51.21	-13.00	38.21	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1576.5	50.60	-46.89	24.68	-66.87	-40.00	26.87	Vertical
2	1812.5	52.11	-46.60	25.45	-64.30	-13.00	51.30	Vertical
3	1937.5	53.22	-46.46	25.48	-63.02	-13.00	50.02	Vertical
4	3187.5	50.02	-44.73	28.48	-61.49	-13.00	48.49	Vertical
5	4912	45.10	-42.66	30.92	-61.90	-13.00	48.90	Vertical
6	9242.5	41.95	-35.37	37.50	-51.18	-13.00	38.18	Vertical

Test Band = SA_n14_5MHz_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	1581.5	47.17	-46.91	24.77	-70.23	-40.00	30.23	Horizontal
2	1812.5	54.79	-46.60	25.45	-61.62	-13.00	48.62	Horizontal
3	1937.5	55.80	-46.46	25.48	-60.44	-13.00	47.44	Horizontal
4	3062.5	51.71	-45.30	28.83	-60.02	-13.00	47.02	Horizontal
5	4979.5	45.09	-42.60	31.12	-61.65	-13.00	48.65	Horizontal
6	7649.5	42.31	-37.46	36.60	-53.81	-13.00	40.81	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1581.5	49.14	-46.91	24.77	-68.26	-40.00	28.26	Vertical
2	1687.5	52.61	-46.81	25.20	-64.26	-13.00	51.26	Vertical
3	1812.5	52.18	-46.60	25.45	-64.23	-13.00	51.23	Vertical
4	1937.5	53.35	-46.46	25.48	-62.89	-13.00	49.89	Vertical
5	3187.5	49.98	-44.73	28.48	-61.53	-13.00	48.53	Vertical
6	5920	44.24	-40.88	32.84	-59.06	-13.00	46.06	Vertical

Test Band = SA_n14_5MHz_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	1586.5	49.76	-46.92	24.86	-67.56	-40.00	27.56	Horizontal
2	1687.5	52.67	-46.81	25.20	-64.20	-13.00	51.20	Horizontal
3	1812.5	54.62	-46.60	25.45	-61.79	-13.00	48.79	Horizontal
4	1937.5	55.82	-46.46	25.48	-60.42	-13.00	47.42	Horizontal
5	3062.5	51.81	-45.30	28.83	-59.92	-13.00	46.92	Horizontal
6	8469	41.40	-36.07	36.44	-53.49	-13.00	40.49	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1586.5	49.56	-46.92	24.86	-67.76	-40.00	27.76	Vertical
2	1812.5	52.36	-46.60	25.45	-64.05	-13.00	51.05	Vertical
3	1937.5	53.99	-46.46	25.48	-62.25	-13.00	49.25	Vertical
4	3187.5	50.32	-44.73	28.48	-61.19	-13.00	48.19	Vertical
5	7250.5	43.19	-38.21	36.30	-53.98	-13.00	40.98	Vertical
6	9517.5	41.26	-35.09	37.80	-51.29	-13.00	38.29	Vertical

Test Band = SA_n14_10MHz_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	1577	47.95	-46.90	24.69	-69.52	-40.00	29.52	Horizontal
2	1812.5	55.03	-46.60	25.45	-61.38	-13.00	48.38	Horizontal
3	1937.5	56.66	-46.46	25.48	-59.58	-13.00	46.58	Horizontal
4	3062.5	52.47	-45.30	28.83	-59.26	-13.00	46.26	Horizontal
5	6980	44.01	-39.08	35.48	-54.85	-13.00	41.85	Horizontal
6	9114	41.67	-34.93	37.03	-51.49	-13.00	38.49	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1577	48.91	-46.90	24.69	-68.56	-40.00	28.56	Vertical
2	1687.5	53.13	-46.81	25.20	-63.74	-13.00	50.74	Vertical
3	1937.5	54.48	-46.46	25.48	-61.76	-13.00	48.76	Vertical
4	3187.5	50.99	-44.73	28.48	-60.52	-13.00	47.52	Vertical
5	5198.5	45.74	-42.08	31.90	-59.70	-13.00	46.70	Vertical
6	8267	42.26	-36.50	36.47	-53.03	-13.00	40.03	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---