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Appendix B.19

NR Band n77(3450-3550)



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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

ANT7

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit	Verdict
N77-3450-3550	30	10	DFT-QPSK	L	Inner_1RB_Left	26.03	23.53	30.00	PASS
N77-3450-3550	30	10	DFT-16QAM	L	Inner_1RB_Left	24.99	22.49	30.00	PASS
N77-3450-3550	30	10	DFT-QPSK	M	Inner_1RB_Left	25.96	23.46	30.00	PASS
N77-3450-3550	30	10	DFT-16QAM	M	Inner_1RB_Left	24.99	22.49	30.00	PASS
N77-3450-3550	30	10	DFT-QPSK	H	Inner_1RB_Left	25.84	23.34	30.00	PASS
N77-3450-3550	30	10	DFT-16QAM	H	Inner_1RB_Left	24.85	22.35	30.00	PASS
N77-3450-3550	30	15	DFT-QPSK	L	Inner_1RB_Left	26.27	23.77	30.00	PASS
N77-3450-3550	30	15	DFT-16QAM	L	Inner_1RB_Left	25.32	22.82	30.00	PASS
N77-3450-3550	30	15	DFT-QPSK	M	Inner_1RB_Left	26.24	23.74	30.00	PASS
N77-3450-3550	30	15	DFT-16QAM	M	Inner_1RB_Left	25.09	22.59	30.00	PASS
N77-3450-3550	30	15	DFT-QPSK	H	Inner_1RB_Left	26.10	23.60	30.00	PASS
N77-3450-3550	30	15	DFT-16QAM	H	Inner_1RB_Left	24.99	22.49	30.00	PASS
N77-3450-3550	30	20	DFT-QPSK	L	Inner_1RB_Left	26.29	23.79	30.00	PASS
N77-3450-3550	30	20	DFT-16QAM	L	Inner_1RB_Left	25.17	22.67	30.00	PASS
N77-3450-3550	30	20	DFT-QPSK	M	Inner_1RB_Left	26.15	23.65	30.00	PASS
N77-3450-3550	30	20	DFT-16QAM	M	Inner_1RB_Left	25.17	22.67	30.00	PASS
N77-3450-3550	30	20	DFT-QPSK	H	Inner_1RB_Left	25.92	23.42	30.00	PASS
N77-3450-3550	30	20	DFT-16QAM	H	Inner_1RB_Left	24.94	22.44	30.00	PASS
N77-3450-3550	30	30	DFT-QPSK	L	Inner_1RB_Left	26.21	23.71	30.00	PASS
N77-3450-3550	30	30	DFT-16QAM	L	Inner_1RB_Left	25.25	22.75	30.00	PASS
N77-3450-3550	30	30	DFT-QPSK	M	Inner_1RB_Left	26.11	23.61	30.00	PASS
N77-3450-3550	30	30	DFT-16QAM	M	Inner_1RB_Left	25.17	22.67	30.00	PASS
N77-3450-3550	30	30	DFT-QPSK	H	Inner_1RB_Left	25.97	23.47	30.00	PASS
N77-3450-3550	30	30	DFT-16QAM	H	Inner_1RB_Left	25.01	22.51	30.00	PASS
N77-3450-3550	30	40	DFT-QPSK	L	Inner_1RB_Left	26.30	23.80	30.00	PASS
N77-3450-3550	30	40	DFT-16QAM	L	Inner_1RB_Left	25.35	22.85	30.00	PASS
N77-3450-3550	30	40	DFT-QPSK	M	Inner_1RB_Left	26.06	23.56	30.00	PASS
N77-3450-3550	30	40	DFT-16QAM	M	Inner_1RB_Left	25.12	22.62	30.00	PASS
N77-3450-3550	30	40	DFT-QPSK	H	Inner_1RB_Left	26.01	23.51	30.00	PASS
N77-3450-3550	30	40	DFT-16QAM	H	Inner_1RB_Left	25.03	22.53	30.00	PASS
N77-3450-3550	30	50	DFT-QPSK	L	Inner_1RB_Left	26.12	23.62	30.00	PASS



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N77-3450-3550	30	50	DFT-16QAM	L	Inner_1RB_Left	25.12	22.62	30.00	PASS
N77-3450-3550	30	50	DFT-QPSK	M	Inner_1RB_Left	25.88	23.38	30.00	PASS
N77-3450-3550	30	50	DFT-16QAM	M	Inner_1RB_Left	24.95	22.45	30.00	PASS
N77-3450-3550	30	50	DFT-QPSK	H	Inner_1RB_Left	25.80	23.30	30.00	PASS
N77-3450-3550	30	50	DFT-16QAM	H	Inner_1RB_Left	24.82	22.32	30.00	PASS
N77-3450-3550	30	60	DFT-QPSK	L	Inner_1RB_Left	26.15	23.65	30.00	PASS
N77-3450-3550	30	60	DFT-16QAM	L	Inner_1RB_Left	25.15	22.65	30.00	PASS
N77-3450-3550	30	60	DFT-QPSK	M	Inner_1RB_Left	25.99	23.49	30.00	PASS
N77-3450-3550	30	60	DFT-16QAM	M	Inner_1RB_Left	25.03	22.53	30.00	PASS
N77-3450-3550	30	60	DFT-QPSK	H	Inner_1RB_Left	25.96	23.46	30.00	PASS
N77-3450-3550	30	60	DFT-16QAM	H	Inner_1RB_Left	24.99	22.49	30.00	PASS
N77-3450-3550	30	70	DFT-QPSK	L	Inner_1RB_Left	26.05	23.55	30.00	PASS
N77-3450-3550	30	70	DFT-16QAM	L	Inner_1RB_Left	25.10	22.60	30.00	PASS
N77-3450-3550	30	70	DFT-QPSK	M	Inner_1RB_Left	25.76	23.26	30.00	PASS
N77-3450-3550	30	70	DFT-16QAM	M	Inner_1RB_Left	24.89	22.39	30.00	PASS
N77-3450-3550	30	70	DFT-QPSK	H	Inner_1RB_Left	25.71	23.21	30.00	PASS
N77-3450-3550	30	70	DFT-16QAM	H	Inner_1RB_Left	24.72	22.22	30.00	PASS
N77-3450-3550	30	80	DFT-QPSK	L	Inner_1RB_Left	26.12	23.62	30.00	PASS
N77-3450-3550	30	80	DFT-16QAM	L	Inner_1RB_Left	25.05	22.55	30.00	PASS
N77-3450-3550	30	80	DFT-QPSK	M	Inner_1RB_Left	25.90	23.40	30.00	PASS
N77-3450-3550	30	80	DFT-16QAM	M	Inner_1RB_Left	24.98	22.48	30.00	PASS
N77-3450-3550	30	80	DFT-QPSK	H	Inner_1RB_Left	25.74	23.24	30.00	PASS
N77-3450-3550	30	80	DFT-16QAM	H	Inner_1RB_Left	24.66	22.16	30.00	PASS
N77-3450-3550	30	90	DFT-QPSK	L	Inner_1RB_Left	26.01	23.51	30.00	PASS
N77-3450-3550	30	90	DFT-16QAM	L	Inner_1RB_Left	25.09	22.59	30.00	PASS
N77-3450-3550	30	90	DFT-QPSK	M	Inner_1RB_Left	26.01	23.51	30.00	PASS
N77-3450-3550	30	90	DFT-16QAM	M	Inner_1RB_Left	25.05	22.55	30.00	PASS
N77-3450-3550	30	90	DFT-QPSK	H	Inner_1RB_Left	25.98	23.48	30.00	PASS
N77-3450-3550	30	90	DFT-16QAM	H	Inner_1RB_Left	24.91	22.41	30.00	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	L	Inner_1RB_Left	25.97	23.47	30.00	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	L	Inner_1RB_Right	25.68	23.18	30.00	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	L	Outer_Full	25.22	22.72	30.00	PASS
N77-3450-3550	30	100	DFT-QPSK	L	Inner_1RB_Left	26.00	23.50	30.00	PASS
N77-3450-3550	30	100	DFT-QPSK	L	Inner_1RB_Right	25.70	23.20	30.00	PASS
N77-3450-3550	30	100	DFT-QPSK	L	Outer_Full	24.74	22.24	30.00	PASS
N77-3450-3550	30	100	DFT-16QAM	L	Inner_1RB_Left	25.02	22.52	30.00	PASS
N77-3450-3550	30	100	DFT-16QAM	L	Inner_1RB_Right	24.65	22.15	30.00	PASS



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N77-3450-3550	30	100	DFT-16QAM	L	Outer_Full	23.66	21.16	30.00	PASS
N77-3450-3550	30	100	DFT-64QAM	L	Inner_1RB_Left	23.48	20.98	30.00	PASS
N77-3450-3550	30	100	DFT-64QAM	L	Inner_1RB_Right	23.07	20.57	30.00	PASS
N77-3450-3550	30	100	DFT-64QAM	L	Outer_Full	23.18	20.68	30.00	PASS
N77-3450-3550	30	100	DFT-256QAM	L	Inner_1RB_Left	21.34	18.84	30.00	PASS
N77-3450-3550	30	100	DFT-256QAM	L	Inner_1RB_Right	20.91	18.41	30.00	PASS
N77-3450-3550	30	100	DFT-256QAM	L	Outer_Full	21.13	18.63	30.00	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Inner_1RB_Left	26.02	23.52	30.00	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Inner_1RB_Right	25.60	23.10	30.00	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	25.16	22.66	30.00	PASS
N77-3450-3550	30	100	DFT-QPSK	M	Inner_1RB_Left	25.99	23.49	30.00	PASS
N77-3450-3550	30	100	DFT-QPSK	M	Inner_1RB_Right	25.74	23.24	30.00	PASS
N77-3450-3550	30	100	DFT-QPSK	M	Outer_Full	24.72	22.22	30.00	PASS
N77-3450-3550	30	100	DFT-16QAM	M	Inner_1RB_Left	25.05	22.55	30.00	PASS
N77-3450-3550	30	100	DFT-16QAM	M	Inner_1RB_Right	24.65	22.15	30.00	PASS
N77-3450-3550	30	100	DFT-16QAM	M	Outer_Full	23.61	21.11	30.00	PASS
N77-3450-3550	30	100	DFT-64QAM	M	Inner_1RB_Left	23.48	20.98	30.00	PASS
N77-3450-3550	30	100	DFT-64QAM	M	Inner_1RB_Right	23.12	20.62	30.00	PASS
N77-3450-3550	30	100	DFT-64QAM	M	Outer_Full	23.11	20.61	30.00	PASS
N77-3450-3550	30	100	DFT-256QAM	M	Inner_1RB_Left	21.41	18.91	30.00	PASS
N77-3450-3550	30	100	DFT-256QAM	M	Inner_1RB_Right	20.97	18.47	30.00	PASS
N77-3450-3550	30	100	DFT-256QAM	M	Outer_Full	21.15	18.65	30.00	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	H	Inner_1RB_Left	26.03	23.53	30.00	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	H	Inner_1RB_Right	25.62	23.12	30.00	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	H	Outer_Full	25.20	22.70	30.00	PASS
N77-3450-3550	30	100	DFT-QPSK	H	Inner_1RB_Left	26.05	23.55	30.00	PASS
N77-3450-3550	30	100	DFT-QPSK	H	Inner_1RB_Right	25.68	23.18	30.00	PASS
N77-3450-3550	30	100	DFT-QPSK	H	Outer_Full	24.64	22.14	30.00	PASS
N77-3450-3550	30	100	DFT-16QAM	H	Inner_1RB_Left	25.11	22.61	30.00	PASS
N77-3450-3550	30	100	DFT-16QAM	H	Inner_1RB_Right	24.65	22.15	30.00	PASS
N77-3450-3550	30	100	DFT-16QAM	H	Outer_Full	23.63	21.13	30.00	PASS
N77-3450-3550	30	100	DFT-64QAM	H	Inner_1RB_Left	23.51	21.01	30.00	PASS
N77-3450-3550	30	100	DFT-64QAM	H	Inner_1RB_Right	23.11	20.61	30.00	PASS
N77-3450-3550	30	100	DFT-64QAM	H	Outer_Full	23.13	20.63	30.00	PASS
N77-3450-3550	30	100	DFT-256QAM	H	Inner_1RB_Left	21.39	18.89	30.00	PASS
N77-3450-3550	30	100	DFT-256QAM	H	Inner_1RB_Right	20.92	18.42	30.00	PASS
N77-3450-3550	30	100	DFT-256QAM	H	Outer_Full	21.17	18.67	30.00	PASS



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Field Strength of Spurious Radiation

Test Band = SA Band 77 3450-3550_ 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	8023.2708	41.62	-44.31	36.23	-61.71	-13.00	48.71	Horizontal
2	9331.875	42.07	-42.90	37.90	-58.19	-13.00	45.19	Horizontal
3	6910.18	42.50	-46.12	35.40	-63.47	-13.00	50.47	Horizontal
4	10365.27	37.72	-41.19	38.83	-59.90	-13.00	46.90	Horizontal
5	13820.36	36.83	-38.48	40.49	-56.43	-13.00	43.43	Horizontal
6	17275.45	35.10	-37.12	40.66	-56.62	-13.00	43.62	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8588.6875	41.84	-44.08	37.02	-60.47	-13.00	47.47	Vertical
2	9327.5625	41.97	-42.90	37.89	-58.30	-13.00	45.30	Vertical
3	6910.18	43.02	-46.12	35.40	-62.95	-13.00	49.95	Vertical
4	10365.27	38.51	-41.19	38.83	-59.11	-13.00	46.11	Vertical
5	13820.36	36.27	-38.48	40.49	-56.99	-13.00	43.99	Vertical
6	17275.45	35.29	-37.12	40.66	-56.43	-13.00	43.43	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

2) All antennas of RSE are tested, and only the worst data is presented.

---End of Attachment---



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