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# Appendix B.43

## NR Band n77(3450-3550)



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## Effective (Isotropic) Radiated Power Output Data for SA

### Test Result

ANT2

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit	Verdict
N77-3450-3550	30	10	DFT-QPSK	L	Inner_1RB_Left	26.43	27.43	30.00	PASS
N77-3450-3550	30	10	DFT-16QAM	L	Inner_1RB_Left	25.99	26.99	30.00	PASS
N77-3450-3550	30	10	DFT-QPSK	M	Inner_1RB_Left	26.3	27.3	30.00	PASS
N77-3450-3550	30	10	DFT-16QAM	M	Inner_1RB_Left	25.95	26.95	30.00	PASS
N77-3450-3550	30	10	DFT-QPSK	H	Inner_1RB_Left	26.09	27.09	30.00	PASS
N77-3450-3550	30	10	DFT-16QAM	H	Inner_1RB_Left	25.71	26.71	30.00	PASS
N77-3450-3550	30	15	DFT-QPSK	L	Inner_1RB_Left	26.58	27.58	30.00	PASS
N77-3450-3550	30	15	DFT-16QAM	L	Inner_1RB_Left	26.16	27.16	30.00	PASS
N77-3450-3550	30	15	DFT-QPSK	M	Inner_1RB_Left	26.39	27.39	30.00	PASS
N77-3450-3550	30	15	DFT-16QAM	M	Inner_1RB_Left	26.03	27.03	30.00	PASS
N77-3450-3550	30	15	DFT-QPSK	H	Inner_1RB_Left	26.32	27.32	30.00	PASS
N77-3450-3550	30	15	DFT-16QAM	H	Inner_1RB_Left	25.91	26.91	30.00	PASS
N77-3450-3550	30	20	DFT-QPSK	L	Inner_1RB_Left	26.5	27.5	30.00	PASS
N77-3450-3550	30	20	DFT-16QAM	L	Inner_1RB_Left	26.14	27.14	30.00	PASS
N77-3450-3550	30	20	DFT-QPSK	M	Inner_1RB_Left	26.38	27.38	30.00	PASS
N77-3450-3550	30	20	DFT-QPSK	M	Inner_1RB_Right	26.23	27.23	30.00	PASS
N77-3450-3550	30	20	DFT-16QAM	M	Inner_1RB_Left	26.13	27.13	30.00	PASS
N77-3450-3550	30	20	DFT-QPSK	H	Inner_1RB_Left	26.26	27.26	30.00	PASS
N77-3450-3550	30	20	DFT-16QAM	H	Inner_1RB_Left	25.83	26.83	30.00	PASS
N77-3450-3550	30	30	DFT-QPSK	L	Inner_1RB_Left	26.61	27.61	30.00	PASS
N77-3450-3550	30	30	DFT-16QAM	L	Inner_1RB_Left	26.22	27.22	30.00	PASS
N77-3450-3550	30	30	DFT-QPSK	M	Inner_1RB_Left	26.54	27.54	30.00	PASS
N77-3450-3550	30	30	DFT-16QAM	M	Inner_1RB_Left	26.21	27.21	30.00	PASS
N77-3450-3550	30	30	DFT-QPSK	H	Inner_1RB_Left	26.38	27.38	30.00	PASS
N77-3450-3550	30	30	DFT-16QAM	H	Inner_1RB_Left	25.97	26.97	30.00	PASS
N77-3450-3550	30	40	DFT-QPSK	L	Inner_1RB_Left	26.68	27.68	30.00	PASS
N77-3450-3550	30	40	DFT-16QAM	L	Inner_1RB_Left	26.33	27.33	30.00	PASS
N77-3450-3550	30	40	DFT-QPSK	M	Inner_1RB_Left	26.56	27.56	30.00	PASS
N77-3450-3550	30	40	DFT-16QAM	M	Inner_1RB_Left	26.21	27.21	30.00	PASS
N77-3450-3550	30	40	DFT-QPSK	H	Inner_1RB_Left	26.39	27.39	30.00	PASS
N77-3450-3550	30	40	DFT-16QAM	H	Inner_1RB_Left	26.04	27.04	30.00	PASS



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N77-3450-3550	30	50	DFT-QPSK	L	Inner_1RB_Left	26.53	27.53	30.00	PASS
N77-3450-3550	30	50	DFT-16QAM	L	Inner_1RB_Left	26.14	27.14	30.00	PASS
N77-3450-3550	30	50	DFT-QPSK	M	Inner_1RB_Left	26.26	27.26	30.00	PASS
N77-3450-3550	30	50	DFT-16QAM	M	Inner_1RB_Left	25.93	26.93	30.00	PASS
N77-3450-3550	30	50	DFT-QPSK	H	Inner_1RB_Left	26.2	27.2	30.00	PASS
N77-3450-3550	30	50	DFT-16QAM	H	Inner_1RB_Left	25.86	26.86	30.00	PASS
N77-3450-3550	30	60	DFT-QPSK	L	Inner_1RB_Left	26.45	27.45	30.00	PASS
N77-3450-3550	30	60	DFT-16QAM	L	Inner_1RB_Left	26.1	27.1	30.00	PASS
N77-3450-3550	30	60	DFT-QPSK	M	Inner_1RB_Left	26.33	27.33	30.00	PASS
N77-3450-3550	30	60	DFT-16QAM	M	Inner_1RB_Left	26.06	27.06	30.00	PASS
N77-3450-3550	30	60	DFT-QPSK	H	Inner_1RB_Left	26.31	27.31	30.00	PASS
N77-3450-3550	30	60	DFT-16QAM	H	Inner_1RB_Left	25.93	26.93	30.00	PASS
N77-3450-3550	30	70	DFT-QPSK	L	Inner_1RB_Left	26.5	27.5	30.00	PASS
N77-3450-3550	30	70	DFT-16QAM	L	Inner_1RB_Left	26.1	27.1	30.00	PASS
N77-3450-3550	30	70	DFT-QPSK	M	Inner_1RB_Left	26.3	27.3	30.00	PASS
N77-3450-3550	30	70	DFT-16QAM	M	Inner_1RB_Left	25.99	26.99	30.00	PASS
N77-3450-3550	30	70	DFT-QPSK	H	Inner_1RB_Left	26	27	30.00	PASS
N77-3450-3550	30	70	DFT-16QAM	H	Inner_1RB_Left	25.78	26.78	30.00	PASS
N77-3450-3550	30	80	DFT-QPSK	L	Inner_1RB_Left	26.49	27.49	30.00	PASS
N77-3450-3550	30	80	DFT-16QAM	L	Inner_1RB_Left	26.07	27.07	30.00	PASS
N77-3450-3550	30	80	DFT-QPSK	M	Inner_1RB_Left	26.27	27.27	30.00	PASS
N77-3450-3550	30	80	DFT-16QAM	M	Inner_1RB_Left	25.97	26.97	30.00	PASS
N77-3450-3550	30	80	DFT-QPSK	H	Inner_1RB_Left	26.3	27.3	30.00	PASS
N77-3450-3550	30	80	DFT-16QAM	H	Inner_1RB_Left	25.92	26.92	30.00	PASS
N77-3450-3550	30	90	DFT-QPSK	L	Inner_1RB_Left	26.45	27.45	30.00	PASS
N77-3450-3550	30	90	DFT-16QAM	L	Inner_1RB_Left	26.03	27.03	30.00	PASS
N77-3450-3550	30	90	DFT-QPSK	M	Inner_1RB_Left	26.35	27.35	30.00	PASS
N77-3450-3550	30	90	DFT-16QAM	M	Inner_1RB_Left	26.05	27.05	30.00	PASS
N77-3450-3550	30	90	DFT-QPSK	H	Inner_1RB_Left	26.38	27.38	30.00	PASS
N77-3450-3550	30	90	DFT-16QAM	H	Inner_1RB_Left	26.01	27.01	30.00	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	L	Inner_1RB_Left	26.21	27.21	30.00	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	L	Inner_1RB_Right	25.84	26.84	30.00	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	L	Outer_Full	26.06	27.06	30.00	PASS
N77-3450-3550	30	100	DFT-QPSK	L	Inner_1RB_Left	26.28	27.28	30.00	PASS
N77-3450-3550	30	100	DFT-QPSK	L	Inner_1RB_Right	25.88	26.88	30.00	PASS
N77-3450-3550	30	100	DFT-QPSK	L	Outer_Full	25.6	26.6	30.00	PASS
N77-3450-3550	30	100	DFT-16QAM	L	Inner_1RB_Left	25.96	26.96	30.00	PASS
N77-3450-3550	30	100	DFT-16QAM	L	Inner_1RB_Right	25.51	26.51	30.00	PASS



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N77-3450-3550	30	100	DFT-16QAM	L	Outer_Full	24.66	25.66	30.00	PASS
N77-3450-3550	30	100	DFT-64QAM	L	Inner_1RB_Left	24.37	25.37	30.00	PASS
N77-3450-3550	30	100	DFT-64QAM	L	Inner_1RB_Right	23.99	24.99	30.00	PASS
N77-3450-3550	30	100	DFT-64QAM	L	Outer_Full	24.17	25.17	30.00	PASS
N77-3450-3550	30	100	DFT-256QAM	L	Inner_1RB_Left	22.28	23.28	30.00	PASS
N77-3450-3550	30	100	DFT-256QAM	L	Inner_1RB_Right	21.82	22.82	30.00	PASS
N77-3450-3550	30	100	DFT-256QAM	L	Outer_Full	22.07	23.07	30.00	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Inner_1RB_Left	26.32	27.32	30.00	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Inner_1RB_Right	25.86	26.86	30.00	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	26.05	27.05	30.00	PASS
N77-3450-3550	30	100	DFT-QPSK	M	Inner_1RB_Left	26.3	27.3	30.00	PASS
N77-3450-3550	30	100	DFT-QPSK	M	Inner_1RB_Right	25.88	26.88	30.00	PASS
N77-3450-3550	30	100	DFT-QPSK	M	Outer_Full	25.69	26.69	30.00	PASS
N77-3450-3550	30	100	DFT-16QAM	M	Inner_1RB_Left	25.96	26.96	30.00	PASS
N77-3450-3550	30	100	DFT-16QAM	M	Inner_1RB_Right	25.46	26.46	30.00	PASS
N77-3450-3550	30	100	DFT-16QAM	M	Outer_Full	24.63	25.63	30.00	PASS
N77-3450-3550	30	100	DFT-64QAM	M	Inner_1RB_Left	24.45	25.45	30.00	PASS
N77-3450-3550	30	100	DFT-64QAM	M	Inner_1RB_Right	23.94	24.94	30.00	PASS
N77-3450-3550	30	100	DFT-64QAM	M	Outer_Full	24.16	25.16	30.00	PASS
N77-3450-3550	30	100	DFT-256QAM	M	Inner_1RB_Left	22.19	23.19	30.00	PASS
N77-3450-3550	30	100	DFT-256QAM	M	Inner_1RB_Right	21.88	22.88	30.00	PASS
N77-3450-3550	30	100	DFT-256QAM	M	Outer_Full	22.08	23.08	30.00	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	H	Inner_1RB_Left	26.31	27.31	30.00	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	H	Inner_1RB_Right	25.87	26.87	30.00	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	H	Outer_Full	26.08	27.08	30.00	PASS
N77-3450-3550	30	100	DFT-QPSK	H	Inner_1RB_Left	26.38	27.38	30.00	PASS
N77-3450-3550	30	100	DFT-QPSK	H	Inner_1RB_Right	25.86	26.86	30.00	PASS
N77-3450-3550	30	100	DFT-QPSK	H	Outer_Full	25.58	26.58	30.00	PASS
N77-3450-3550	30	100	DFT-16QAM	H	Inner_1RB_Left	25.96	26.96	30.00	PASS
N77-3450-3550	30	100	DFT-16QAM	H	Inner_1RB_Right	25.57	26.57	30.00	PASS
N77-3450-3550	30	100	DFT-16QAM	H	Outer_Full	24.66	25.66	30.00	PASS
N77-3450-3550	30	100	DFT-64QAM	H	Inner_1RB_Left	24.43	25.43	30.00	PASS
N77-3450-3550	30	100	DFT-64QAM	H	Inner_1RB_Right	23.98	24.98	30.00	PASS
N77-3450-3550	30	100	DFT-64QAM	H	Outer_Full	24.15	25.15	30.00	PASS
N77-3450-3550	30	100	DFT-256QAM	H	Inner_1RB_Left	22.27	23.27	30.00	PASS
N77-3450-3550	30	100	DFT-256QAM	H	Inner_1RB_Right	21.87	22.87	30.00	PASS
N77-3450-3550	30	100	DFT-256QAM	H	Outer_Full	22.09	23.09	30.00	PASS



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### Effective (Isotropic) Radiated Power Output Data for MIMO

#### Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power Ant0	Power Ant2	Total Power	EIRP	Verdict
N77-3450-3550	30	10	CP-QPSK	L	Inner_1RB_Left	22.34	21.56	24.98	25.98	PASS
N77-3450-3550	30	10	CP-16QAM	L	Inner_1RB_Left	21.97	20.92	24.49	25.49	PASS
N77-3450-3550	30	10	CP-QPSK	M	Inner_1RB_Left	22.52	21.23	24.93	25.93	PASS
N77-3450-3550	30	10	CP-16QAM	M	Inner_1RB_Left	21.96	20.71	24.39	25.39	PASS
N77-3450-3550	30	10	CP-QPSK	H	Inner_1RB_Left	22.19	21.49	24.86	25.86	PASS
N77-3450-3550	30	10	CP-16QAM	H	Inner_1RB_Left	21.72	20.85	24.32	25.32	PASS
N77-3450-3550	30	15	CP-QPSK	L	Inner_1RB_Left	22.68	21.7	25.23	26.23	PASS
N77-3450-3550	30	15	CP-QPSK	L	Outer_Full	21.1	20.33	23.74	24.74	PASS
N77-3450-3550	30	15	CP-16QAM	L	Inner_1RB_Left	22.21	21.21	24.75	25.75	PASS
N77-3450-3550	30	15	CP-QPSK	M	Inner_1RB_Left	22.3	21.36	24.87	25.87	PASS
N77-3450-3550	30	15	CP-16QAM	M	Inner_1RB_Left	22.09	20.85	24.52	25.52	PASS
N77-3450-3550	30	15	CP-QPSK	H	Inner_1RB_Left	22.24	21.6	24.94	25.94	PASS
N77-3450-3550	30	15	CP-16QAM	H	Inner_1RB_Left	21.93	21.12	24.55	25.55	PASS
N77-3450-3550	30	20	CP-QPSK	L	Inner_1RB_Left	22.57	21.67	25.15	26.15	PASS
N77-3450-3550	30	20	CP-16QAM	L	Inner_1RB_Left	22.14	21.21	24.71	25.71	PASS
N77-3450-3550	30	20	CP-QPSK	M	Inner_1RB_Left	22.52	21.38	25	26	PASS
N77-3450-3550	30	20	CP-16QAM	M	Inner_1RB_Left	22.14	20.91	24.58	25.58	PASS
N77-3450-3550	30	20	CP-QPSK	H	Inner_1RB_Left	22.19	21.59	24.91	25.91	PASS
N77-3450-3550	30	20	CP-16QAM	H	Inner_1RB_Left	21.79	20.93	24.39	25.39	PASS
N77-3450-3550	30	30	CP-QPSK	L	Inner_1RB_Left	22.72	21.92	25.35	26.35	PASS
N77-3450-3550	30	30	CP-16QAM	L	Inner_1RB_Left	22.2	21.31	24.79	25.79	PASS
N77-3450-3550	30	30	CP-QPSK	M	Inner_1RB_Left	22.58	21.92	25.27	26.27	PASS
N77-3450-3550	30	30	CP-16QAM	M	Inner_1RB_Left	22.17	21.36	24.79	25.79	PASS
N77-3450-3550	30	30	CP-QPSK	H	Inner_1RB_Left	22.24	21.68	24.98	25.98	PASS
N77-3450-3550	30	30	CP-16QAM	H	Inner_1RB_Left	21.8	21.09	24.47	25.47	PASS
N77-3450-3550	30	40	CP-QPSK	L	Inner_1RB_Left	22.58	21.91	25.27	26.27	PASS
N77-3450-3550	30	40	CP-16QAM	L	Inner_1RB_Left	22.3	21.37	24.87	25.87	PASS
N77-3450-3550	30	40	CP-QPSK	M	Inner_1RB_Left	22.46	22.03	25.26	26.26	PASS
N77-3450-3550	30	40	CP-16QAM	M	Inner_1RB_Left	22.02	21.55	24.8	25.8	PASS
N77-3450-3550	30	40	CP-QPSK	H	Inner_1RB_Left	22.37	21.7	25.06	26.06	PASS
N77-3450-3550	30	40	CP-16QAM	H	Inner_1RB_Left	21.95	21.16	24.58	25.58	PASS



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Table with 11 columns: Test ID, Modulation, Bandwidth, Modulation, Constellation, SNR, and 5 Pass/Fail results. Rows include various modulation schemes like CP-QPSK, CP-16QAM, DFT-PI2BPSK, and CP-64QAM.



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N77-3450-3550	30	100	CP-64QAM	L	Outer_Full	20.12	19.4	22.79	23.79	PASS
N77-3450-3550	30	100	CP-256QAM	L	Inner_1RB_Left	17.65	16.51	20.13	21.13	PASS
N77-3450-3550	30	100	CP-256QAM	L	Inner_1RB_Right	17.25	15.95	19.66	20.66	PASS
N77-3450-3550	30	100	CP-256QAM	L	Outer_Full	17.28	16.38	19.86	20.86	PASS
N77-3450-3550	30	100	CP-QPSK	M	Inner_1RB_Left	22.47	21.52	25.03	26.03	PASS
N77-3450-3550	30	100	CP-QPSK	M	Inner_1RB_Right	22.05	20.98	24.56	25.56	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	20.72	19.83	23.31	24.31	PASS
N77-3450-3550	30	100	CP-16QAM	M	Inner_1RB_Left	22.04	21.05	24.58	25.58	PASS
N77-3450-3550	30	100	CP-16QAM	M	Inner_1RB_Right	21.56	20.68	24.15	25.15	PASS
N77-3450-3550	30	100	CP-16QAM	M	Outer_Full	20.64	19.83	23.26	24.26	PASS
N77-3450-3550	30	100	CP-64QAM	M	Inner_1RB_Left	20.53	19.54	23.07	24.07	PASS
N77-3450-3550	30	100	CP-64QAM	M	Inner_1RB_Right	20	18.99	22.53	23.53	PASS
N77-3450-3550	30	100	CP-64QAM	M	Outer_Full	20.12	19.43	22.8	23.8	PASS
N77-3450-3550	30	100	CP-256QAM	M	Inner_1RB_Left	17.64	16.5	20.12	21.12	PASS
N77-3450-3550	30	100	CP-256QAM	M	Inner_1RB_Right	17.21	15.96	19.64	20.64	PASS
N77-3450-3550	30	100	CP-256QAM	M	Outer_Full	17.28	16.38	19.86	20.86	PASS
N77-3450-3550	30	100	CP-QPSK	H	Inner_1RB_Left	22.56	21.58	25.11	26.11	PASS
N77-3450-3550	30	100	CP-QPSK	H	Inner_1RB_Right	22.02	21.1	24.59	25.59	PASS
N77-3450-3550	30	100	CP-QPSK	H	Outer_Full	20.67	19.94	23.33	24.33	PASS
N77-3450-3550	30	100	CP-16QAM	H	Inner_1RB_Left	21.98	21.12	24.58	25.58	PASS
N77-3450-3550	30	100	CP-16QAM	H	Inner_1RB_Right	21.56	20.53	24.09	25.09	PASS
N77-3450-3550	30	100	CP-16QAM	H	Outer_Full	20.55	19.85	23.22	24.22	PASS
N77-3450-3550	30	100	CP-64QAM	H	Inner_1RB_Left	20.5	19.57	23.07	24.07	PASS
N77-3450-3550	30	100	CP-64QAM	H	Inner_1RB_Right	19.99	19.09	22.57	23.57	PASS
N77-3450-3550	30	100	CP-64QAM	H	Outer_Full	20.1	19.41	22.78	23.78	PASS
N77-3450-3550	30	100	CP-256QAM	H	Inner_1RB_Left	17.64	16.53	20.13	21.13	PASS
N77-3450-3550	30	100	CP-256QAM	H	Inner_1RB_Right	17.08	16.06	19.61	20.61	PASS
N77-3450-3550	30	100	CP-256QAM	H	Outer_Full	17.3	16.36	19.87	20.87	PASS



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### Field Strength of Spurious Radiation

Test Band = NR SA Band 77 3450M-3550M\_ TM1

Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7243.5	40.02	-43.40	35.88	-62.76	-13.00	49.76	Horizontal
2	8410	38.59	-41.55	36.60	-61.63	-13.00	48.63	Horizontal
3	10111.5	32.99	-39.06	38.26	-63.08	-13.00	50.08	Horizontal
4	11480.5	29.15	-37.07	38.75	-64.43	-13.00	51.43	Horizontal
5	13849.5	27.85	-35.71	40.63	-62.50	-13.00	49.50	Horizontal
6	17216	29.45	-35.25	43.27	-57.79	-13.00	44.79	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7592	39.99	-42.92	36.64	-61.56	-13.00	48.56	Vertical
2	9566.5	34.96	-39.41	37.38	-62.34	-13.00	49.34	Vertical
3	11387	29.88	-37.04	38.74	-63.68	-13.00	50.68	Vertical
4	13423	26.73	-36.70	39.86	-65.37	-13.00	52.37	Vertical
5	15155	26.57	-34.60	40.97	-62.32	-13.00	49.32	Vertical
6	17224.5	29.77	-35.25	43.31	-57.43	-13.00	44.43	Vertical



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**Test Band = UL MIMO n77 3450M-3550M\_ TM1**
**Test Channel = Mid Channel**

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	8747.2917	37.51	-39.11	38.32	-58.54	-13.00	45.54	296	167	Horizontal
2	12205.9167	33.81	-35.17	38.81	-57.81	-13.00	44.81	265	129	Horizontal
3	6910.2	39.75	-42.17	36.02	-61.66	-13.00	48.66	284	3	Horizontal
4	10365.3	32.74	-36.63	38.90	-60.25	-13.00	47.25	142	261	Horizontal
5	13820.4	33.36	-35.13	40.09	-56.94	-13.00	43.94	263	224	Horizontal
6	17275.5	31.51	-31.82	39.70	-55.87	-13.00	42.87	228	71	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	8514.4167	37.79	-39.67	38.07	-59.07	-13.00	46.07	150	71	Vertical
2	11735.375	33.83	-35.05	38.86	-57.61	-13.00	44.61	150	276	Vertical
3	6910.2	39.64	-42.17	36.02	-61.77	-13.00	48.77	150	360	Vertical
4	10365.3	32.44	-36.63	38.90	-60.55	-13.00	47.55	150	147	Vertical
5	13820.4	33.20	-35.13	40.09	-57.10	-13.00	44.10	150	71	Vertical
6	17275.5	31.73	-31.82	39.70	-55.65	-13.00	42.65	150	52	Vertical



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Test Band = DC\_5A-n77A 3450M-3550M\_ TM1

Test Channel = Low Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6810.18	49.37	-101.85	-52.48	-13.00	39.48	263	105	Horizontal
2	8191.8333	49.86	-97.74	-47.88	-13.00	34.88	241	177	Horizontal
3	10215.27	43.73	-93.16	-49.43	-13.00	36.43	175	166	Horizontal
4	11826	44.80	-91.78	-46.98	-13.00	33.98	263	157	Horizontal
5	13620.36	42.98	-89.80	-46.82	-13.00	33.82	284	25	Horizontal
6	17025.45	41.35	-88.48	-47.13	-13.00	34.13	177	287	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5898.1667	57.45	-104.42	-46.97	-13.00	33.97	263	116	Vertical
2	6810.18	49.83	-101.85	-52.02	-13.00	39.02	241	238	Vertical
3	8813.6667	48.44	-95.81	-47.37	-13.00	34.37	175	36	Vertical
4	10215.27	43.86	-93.16	-49.30	-13.00	36.30	263	116	Vertical
5	13620.36	42.74	-89.80	-47.06	-13.00	34.06	255	0	Vertical
6	17025.45	41.61	-88.48	-46.87	-13.00	33.87	144	1	Vertical



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Test Band = DC\_5A-n77A 3450M-3550M\_ TM1

Test Channel = Mid Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5898.1667	55.94	-104.42	-48.48	-13.00	35.48	263	116	Horizontal
2	6910.18	48.42	-101.41	-52.99	-13.00	39.99	241	85	Horizontal
3	8159.1667	49.81	-97.80	-47.99	-13.00	34.99	175	246	Horizontal
4	10365.27	43.05	-92.99	-49.94	-13.00	36.94	263	286	Horizontal
5	13820.36	42.83	-90.30	-47.47	-13.00	34.47	241	16	Horizontal
6	17275.45	39.84	-87.38	-47.54	-13.00	34.54	185	256	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6910.18	47.16	-101.41	-54.25	-13.00	41.25	263	259	Vertical
2	7621.3333	51.29	-99.77	-48.48	-13.00	35.48	284	36	Vertical
3	10365.27	43.56	-92.99	-49.43	-13.00	36.43	176	209	Vertical
4	13820.36	43.35	-90.30	-46.95	-13.00	33.95	296	299	Vertical
5	17275.45	38.70	-87.38	-48.68	-13.00	35.68	241	126	Vertical
6	17863.5	42.40	-84.28	-41.88	-13.00	28.88	188	4	Vertical



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**Test Band = DC\_5A-n77A 3450M-3550M\_ TM1**
**Test Channel = High Channel**

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5898.1667	56.74	-104.42	-47.68	-13.00	34.68	163	127	Horizontal
2	7010.18	48.09	-101.46	-53.37	-13.00	40.37	263	178	Horizontal
3	8811.3333	48.68	-95.82	-47.14	-13.00	34.14	244	37	Horizontal
4	10515.27	43.30	-92.59	-49.29	-13.00	36.29	186	108	Horizontal
5	14020.36	41.93	-90.28	-48.35	-13.00	35.35	254	0	Horizontal
6	17525.45	39.52	-86.44	-46.92	-13.00	33.92	188	1	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7010.18	48.80	-101.46	-52.66	-13.00	39.66	263	95	Vertical
2	8250.1667	50.02	-97.75	-47.73	-13.00	34.73	251	165	Vertical
3	10515.27	42.90	-92.59	-49.69	-13.00	36.69	142	96	Vertical
4	12565.6667	45.43	-90.87	-45.44	-13.00	32.44	284	241	Vertical
5	14020.36	41.43	-90.28	-48.85	-13.00	35.85	162	307	Vertical
6	17525.45	39.00	-86.44	-47.44	-13.00	34.44	254	177	Vertical



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**Test Band = DC\_7A-n77A 3450M-3550M\_ TM1**
**Test Channel = Low Channel**

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6810.18	49.38	-101.85	-52.47	-13.00	39.47	163	1	Horizontal
2	8698.1667	49.23	-96.25	-47.02	-13.00	34.02	251	257	Horizontal
3	10215.27	43.96	-93.16	-49.20	-13.00	36.20	174	317	Horizontal
4	13620.36	43.82	-89.80	-45.98	-13.00	32.98	162	357	Horizontal
5	15067	44.65	-90.23	-45.58	-13.00	32.58	255	317	Horizontal
6	17025.45	42.13	-88.48	-46.35	-13.00	33.35	144	348	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5898.1667	57.89	-104.42	-46.53	-13.00	33.53	163	107	Vertical
2	6810.18	48.50	-101.85	-53.35	-13.00	40.35	284	107	Vertical
3	8298	50.57	-97.77	-47.20	-13.00	34.20	176	157	Vertical
4	10215.27	44.76	-93.16	-48.40	-13.00	35.40	241	96	Vertical
5	13620.36	43.04	-89.80	-46.76	-13.00	33.76	144	269	Vertical
6	17025.45	43.14	-88.48	-45.34	-13.00	32.34	142	62	Vertical



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Test Band = DC\_7A-n77A 3450M-3550M\_ TM1

Test Channel = Mid Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5898.1667	55.66	-104.42	-48.76	-13.00	35.76	142	347	Horizontal
2	6901.5	51.95	-101.40	-49.45	-13.00	36.45	263	328	Horizontal
3	8510.3333	49.17	-96.87	-47.70	-13.00	34.70	251	4	Horizontal
4	10365.27	44.00	-92.99	-48.99	-13.00	35.99	144	116	Horizontal
5	13820.36	43.98	-90.30	-46.32	-13.00	33.32	142	287	Horizontal
6	17275.45	39.69	-87.38	-47.69	-13.00	34.69	266	207	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5898.1667	58.53	-104.42	-45.89	-13.00	32.89	163	289	Vertical
2	6902.6667	55.12	-101.40	-46.28	-13.00	33.28	284	77	Vertical
3	8259.5	50.25	-97.75	-47.50	-13.00	34.50	176	177	Vertical
4	10365.27	42.79	-92.99	-50.20	-13.00	37.20	251	47	Vertical
5	13820.36	43.12	-90.30	-47.18	-13.00	34.18	144	207	Vertical
6	17275.45	39.45	-87.38	-47.93	-13.00	34.93	266	9	Vertical



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**Test Band = DC\_7A-n77A 3450M-3550M\_ TM1**
**Test Channel = High Channel**

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5898.1667	55.20	-104.42	-49.22	-13.00	36.22	163	219	Horizontal
2	7010.18	49.46	-101.46	-52.00	-13.00	39.00	251	249	Horizontal
3	10515.27	43.46	-92.59	-49.13	-13.00	36.13	174	258	Horizontal
4	14020.36	41.83	-90.28	-48.45	-13.00	35.45	263	10	Horizontal
5	17525.45	39.58	-86.44	-46.86	-13.00	33.86	284	339	Horizontal
6	17694.3333	46.53	-84.98	-38.45	-13.00	25.45	177	4	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5898.1667	58.56	-104.42	-45.86	-13.00	32.86	163	298	Vertical
2	6902.6667	54.78	-101.40	-46.62	-13.00	33.62	251	247	Vertical
3	8707.5	49.93	-96.21	-46.28	-13.00	33.28	174	25	Vertical
4	10515.27	43.37	-92.59	-49.22	-13.00	36.22	186	0	Vertical
5	14020.36	42.19	-90.28	-48.09	-13.00	35.09	241	1	Vertical
6	17832	42.15	-84.31	-42.16	-13.00	29.16	188	87	Vertical



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**Test Band = NR UL CA n2A-n77A 3450M-3550M\_ TM1**
**Test Channel = Low Channel**

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.18	34.90	-87.27	-52.37	-13.00	39.37	251	78	Horizontal
2	5553.27	50.58	-105.32	-54.74	-13.00	41.74	142	326	Horizontal
3	6753.3333	51.79	-101.86	-50.07	-13.00	37.07	263	194	Horizontal
4	7510.5	50.82	-100.29	-49.47	-13.00	36.47	284	1	Horizontal
5	10215.27	44.08	-93.16	-49.08	-13.00	36.08	175	0	Horizontal
6	13620.36	44.02	-89.80	-45.78	-13.00	32.78	265	326	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.18	33.76	-87.27	-53.51	-13.00	40.51	142	111	Vertical
2	5553.27	50.55	-105.32	-54.77	-13.00	41.77	266	187	Vertical
3	6810.18	49.85	-101.85	-52.00	-13.00	39.00	251	318	Vertical
4	7402	55.15	-100.80	-45.65	-13.00	32.65	142	65	Vertical
5	10215.27	44.72	-93.16	-48.44	-13.00	35.44	266	238	Vertical
6	13620.36	43.02	-89.80	-46.78	-13.00	33.78	324	318	Vertical



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**Test Band = NR UL CA n2A-n77A 3450M-3550M\_ TM1**
**Test Channel = Mid Channel**

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.18	33.53	-86.91	-53.38	-13.00	40.38	142	28	Horizontal
2	5613.27	51.67	-105.35	-53.68	-13.00	40.68	263	226	Horizontal
3	6910.18	48.56	-101.41	-52.85	-13.00	39.85	147	196	Horizontal
4	7484.36	47.93	-100.42	-52.49	-13.00	39.49	251	216	Horizontal
5	10365.27	43.58	-92.99	-49.41	-13.00	36.41	263	297	Horizontal
6	13820.36	42.40	-90.30	-47.90	-13.00	34.90	254	37	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.18	32.16	-86.91	-54.75	-13.00	39.58	400	232	Vertical
2	5613.27	49.22	-105.35	-56.13	-13.00	43.13	254	10	Vertical
3	6910.18	47.48	-101.41	-53.93	-13.00	40.93	175	329	Vertical
4	7484.36	48.03	-100.42	-52.39	-13.00	39.39	263	338	Vertical
5	10365.27	42.98	-92.99	-50.01	-13.00	37.01	284	248	Vertical
6	13820.36	42.47	-90.30	-47.83	-13.00	34.83	144	199	Vertical



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**Test Band = NR UL CA n2A-n77A 3450M-3550M\_ TM1**
**Test Channel = High Channel**

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.18	34.75	-86.55	-51.80	-13.00	38.80	286	60	Horizontal
2	5673.27	49.53	-105.11	-55.58	-13.00	42.58	264	308	Horizontal
3	7010.18	48.50	-101.46	-52.96	-13.00	39.96	400	158	Horizontal
4	7564.36	48.04	-99.99	-51.95	-13.00	38.95	144	207	Horizontal
5	10515.27	42.37	-92.59	-50.22	-13.00	37.22	251	158	Horizontal
6	14020.36	41.45	-90.28	-48.83	-13.00	35.83	142	118	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.18	33.82	-86.55	-52.73	-13.00	39.73	142	197	Vertical
2	5673.27	49.73	-105.11	-55.38	-13.00	42.38	263	338	Vertical
3	7010.18	49.79	-101.46	-51.67	-13.00	38.67	251	219	Vertical
4	7564.36	48.88	-99.99	-51.11	-13.00	38.11	142	66	Vertical
5	10515.27	42.86	-92.59	-49.73	-13.00	36.73	251	0	Vertical
6	14020.36	42.65	-90.28	-47.63	-13.00	34.63	144	258	Vertical



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**Test Band = NR UL CA n5A-n77A 3450M-3550M\_ TM1**
**Test Channel = Low Channel**

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1650.18	39.10	-94.97	-55.87	-13.00	42.87	163	314	Horizontal
2	2475.27	38.52	-91.41	-52.89	-13.00	39.89	251	87	Horizontal
3	3300.36	36.54	-88.37	-51.83	-13.00	38.83	144	360	Horizontal
4	6810.18	50.62	-101.85	-51.23	-13.00	38.23	142	307	Horizontal
5	10215.27	43.52	-93.16	-49.64	-13.00	36.64	251	0	Horizontal
6	13620.36	44.55	-89.80	-45.25	-13.00	32.25	141	327	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1650.18	39.13	-94.97	-55.84	-13.00	42.84	216	53	Vertical
2	2475.27	38.70	-91.41	-52.71	-13.00	39.71	263	69	Vertical
3	3300.36	36.66	-88.37	-51.71	-13.00	38.71	251	220	Vertical
4	6810.18	49.55	-101.85	-52.30	-13.00	39.30	174	0	Vertical
5	10215.27	43.61	-93.16	-49.55	-13.00	36.55	186	204	Vertical
6	13620.36	43.73	-89.80	-46.07	-13.00	33.07	244	357	Vertical



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**Test Band = NR UL CA n5A-n77A 3450M-3550M\_ TM1**
**Test Channel = Mid Channel**

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1654	51.67	-94.96	-43.29	-13.00	30.29	142	104	Horizontal
2	2481	68.21	-91.37	-23.16	-13.00	10.16	263	87	Horizontal
3	3310.36	37.01	-88.37	-51.36	-13.00	38.36	251	333	Horizontal
4	6910.18	48.18	-101.41	-53.23	-13.00	40.23	142	1	Horizontal
5	10365.27	44.31	-92.99	-48.68	-13.00	35.68	276	277	Horizontal
6	13820.36	42.68	-90.30	-47.62	-13.00	34.62	263	22	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1655.18	39.19	-94.96	-55.77	-13.00	42.77	263	288	Vertical
2	2482.77	39.42	-91.35	-51.93	-13.00	38.93	251	102	Vertical
3	3310.36	37.61	-88.37	-50.76	-13.00	37.76	140	352	Vertical
4	6910.18	48.75	-101.41	-52.66	-13.00	39.66	120	0	Vertical
5	10365.27	42.78	-92.99	-50.21	-13.00	37.21	232	86	Vertical
6	13820.36	42.74	-90.30	-47.56	-13.00	34.56	143	207	Vertical



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**Test Band = NR UL CA n5A-n77A 3450M-3550M\_ TM1**
**Test Channel = High Channel**

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1660.18	38.72	-94.94	-56.22	-13.00	43.22	263	333	Horizontal
2	2490.27	39.33	-91.30	-51.97	-13.00	38.97	241	224	Horizontal
3	3320.36	36.39	-88.37	-51.98	-13.00	38.98	145	162	Horizontal
4	7010.18	48.69	-101.46	-52.77	-13.00	39.77	263	357	Horizontal
5	10515.27	43.17	-92.59	-49.42	-13.00	36.42	251	237	Horizontal
6	14020.36	42.49	-90.28	-47.79	-13.00	34.79	144	338	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1660.18	39.83	-94.94	-55.11	-13.00	42.11	263	282	Vertical
2	2490.27	38.84	-91.30	-52.46	-13.00	39.46	241	360	Vertical
3	3320.36	36.62	-88.37	-51.75	-13.00	38.75	117	78	Vertical
4	7010.18	48.52	-101.46	-52.94	-13.00	39.94	163	45	Vertical
5	10515.27	43.80	-92.59	-48.79	-13.00	35.79	251	319	Vertical
6	14020.36	43.48	-90.28	-46.80	-13.00	33.80	175	118	Vertical



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**Test Band = NR UL CA n66A-n77A 3450M-3550M\_ TM1**

**Test Channel = Low Channel**

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3404.18	35.75	-88.36	-52.61	-13.00	39.61	263	54	Horizontal
2	5106.27	49.30	-105.60	-56.30	-13.00	43.30	214	317	Horizontal
3	6808.36	49.25	-101.85	-52.60	-13.00	39.60	153	136	Horizontal
4	6810.18	49.69	-101.85	-52.16	-13.00	39.16	263	55	Horizontal
5	10215.27	43.61	-93.16	-49.55	-13.00	36.55	241	306	Horizontal
6	13620.36	44.13	-89.80	-45.67	-13.00	32.67	175	205	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3404.18	36.17	-88.36	-52.19	-13.00	39.19	142	148	Vertical
2	5106.27	49.52	-105.60	-56.08	-13.00	43.08	263	0	Vertical
3	6808.36	50.73	-101.85	-51.12	-13.00	38.12	241	185	Vertical
4	6810.18	49.23	-101.85	-52.62	-13.00	39.62	142	288	Vertical
5	10215.27	44.07	-93.16	-49.09	-13.00	36.09	263	206	Vertical
6	13620.36	43.09	-89.80	-46.71	-13.00	33.71	251	357	Vertical



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**Test Band = NR UL CA n66A-n77A 3450M-3550M\_ TM1**
**Test Channel = Mid Channel**

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3454.18	48.88	-88.16	-39.28	-13.00	26.28	263	210	Horizontal
2	5181.27	50.91	-105.75	-54.84	-13.00	41.84	251	206	Horizontal
3	6908.36	48.60	-101.41	-52.81	-13.00	39.81	175	1	Horizontal
4	6910.18	48.59	-101.41	-52.82	-13.00	39.82	263	116	Horizontal
5	10365.27	42.98	-92.99	-50.01	-13.00	37.01	254	17	Horizontal
6	13820.36	42.83	-90.30	-47.47	-13.00	34.47	114	349	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3454.18	46.57	-88.16	-41.59	-13.00	28.59	142	353	Vertical
2	5181.27	50.90	-105.75	-54.85	-13.00	41.85	263	108	Vertical
3	6908.36	48.21	-101.41	-53.20	-13.00	40.20	251	1	Vertical
4	6910.18	47.92	-101.41	-53.49	-13.00	40.49	142	168	Vertical
5	10365.27	43.28	-92.99	-49.71	-13.00	36.71	263	1	Vertical
6	13820.36	42.81	-90.30	-47.49	-13.00	34.49	241	0	Vertical



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**Test Band = NR UL CA n66A-n77A 3450M-3550M\_ TM1**
**Test Channel = High Channel**

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3504.18	46.74	-87.95	-41.21	-13.00	28.21	284	206	Horizontal
2	5256.27	51.06	-105.74	-54.68	-13.00	41.68	263	165	Horizontal
3	7008.36	48.53	-101.47	-52.94	-13.00	39.94	251	357	Horizontal
4	7010.18	48.59	-101.46	-52.87	-13.00	39.87	263	15	Horizontal
5	10515.27	41.95	-92.59	-50.64	-13.00	37.64	251	264	Horizontal
6	14020.36	42.09	-90.28	-48.19	-13.00	35.19	142	0	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3504.18	45.28	-87.95	-42.67	-13.00	29.67	112	353	Vertical
2	5256.27	51.96	-105.74	-53.78	-13.00	40.78	263	330	Vertical
3	7008.36	48.58	-101.47	-52.89	-13.00	39.89	251	117	Vertical
4	7010.18	48.88	-101.46	-52.58	-13.00	39.58	144	357	Vertical
5	10515.27	43.00	-92.59	-49.59	-13.00	36.59	155	280	Vertical
6	14020.36	42.49	-90.28	-47.79	-13.00	34.79	268	189	Vertical



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Test Band = NR UL CA 30A-n77A 3450M-3550M\_ TM1

Test Channel = Low Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4611.18	49.66	-106.70	-57.04	-13.00	44.04	142	156	Horizontal
2	6810.18	49.47	-101.85	-52.38	-13.00	39.38	174	17	Horizontal
3	6916.77	47.85	-101.42	-53.57	-13.00	40.57	263	239	Horizontal
4	9222.36	47.28	-94.94	-47.66	-13.00	34.66	251	3	Horizontal
5	10215.27	44.08	-93.16	-49.08	-13.00	36.08	186	86	Horizontal
6	13620.36	44.37	-89.80	-45.43	-13.00	32.43	254	156	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4611.18	50.35	-106.70	-56.35	-13.00	43.35	142	55	Vertical
2	6810.18	49.68	-101.85	-52.17	-13.00	39.17	263	217	Vertical
3	6916.77	48.30	-101.42	-53.12	-13.00	40.12	251	298	Vertical
4	9222.36	48.73	-94.94	-46.21	-13.00	33.21	174	197	Vertical
5	10215.27	44.13	-93.16	-49.03	-13.00	36.03	155	247	Vertical
6	13620.36	44.45	-89.80	-45.35	-13.00	32.35	264	298	Vertical



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**Test Band = NR UL CA 30A-n77A 3450M-3550M\_ TM1**
**Test Channel = Mid Channel**

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4615.68	49.04	-106.70	-57.66	-13.00	44.66	264	256	Horizontal
2	6910.18	48.85	-101.41	-52.56	-13.00	39.56	162	286	Horizontal
3	6923.52	48.24	-101.42	-53.18	-13.00	40.18	185	0	Horizontal
4	9231.36	47.05	-94.96	-47.91	-13.00	34.91	241	325	Horizontal
5	10365.27	43.25	-92.99	-49.74	-13.00	36.74	241	94	Horizontal
6	13820.36	42.39	-90.30	-47.91	-13.00	34.91	176	7	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4615.68	52.02	-106.70	-54.68	-13.00	41.68	142	84	Vertical
2	6910.18	48.57	-101.41	-52.84	-13.00	39.84	265	16	Vertical
3	6923.52	48.38	-101.42	-53.04	-13.00	40.04	284	317	Vertical
4	9231.36	48.37	-94.96	-46.59	-13.00	33.59	175	214	Vertical
5	10365.27	43.16	-92.99	-49.83	-13.00	36.83	264	246	Vertical
6	13820.36	43.42	-90.30	-46.88	-13.00	33.88	196	124	Vertical



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Test Band = NR UL CA 30A-n77A 3450M-3550M\_ TM1

Test Channel = High Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4620.68	49.64	-106.69	-57.05	-13.00	44.05	142	248	Horizontal
2	6931.02	47.48	-101.43	-53.95	-13.00	40.95	263	207	Horizontal
3	7010.18	48.26	-101.46	-53.20	-13.00	40.20	176	263	Horizontal
4	9241.32	48.11	-94.98	-46.87	-13.00	33.87	254	93	Horizontal
5	10515.27	42.93	-92.59	-49.66	-13.00	36.66	254	251	Horizontal
6	14020.36	42.56	-90.28	-47.72	-13.00	34.72	188	144	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4620.68	49.63	-106.69	-57.06	-13.00	44.06	142	135	Vertical
2	6931.02	49.07	-101.43	-52.36	-13.00	39.36	265	357	Vertical
3	7010.18	48.60	-101.46	-52.86	-13.00	39.86	284	74	Vertical
4	9241.32	47.65	-94.98	-47.33	-13.00	34.33	145	156	Vertical
5	10515.27	43.63	-92.59	-48.96	-13.00	35.96	263	357	Vertical
6	14020.36	42.78	-90.28	-47.50	-13.00	34.50	241	0	Vertical



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**Test Band = NR UL CA 71A-n77A 3450M-3550M\_ TM1**
**Test Channel = Low Channel**

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1328.18	40.86	-95.91	-55.05	-13.00	42.05	186	11	Horizontal
2	1992.27	39.11	-93.45	-54.34	-13.00	41.34	265	360	Horizontal
3	2656.36	38.82	-90.77	-51.95	-13.00	38.95	241	145	Horizontal
4	6810.18	49.36	-101.85	-52.49	-13.00	39.49	163	23	Horizontal
5	10215.27	44.90	-93.16	-48.26	-13.00	35.26	254	23	Horizontal
6	13620.36	43.97	-89.80	-45.83	-13.00	32.83	174	277	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1328.18	39.82	-95.91	-56.09	-13.00	43.09	142	177	Vertical
2	1992.27	39.88	-93.45	-53.57	-13.00	40.57	263	332	Vertical
3	2656.36	38.17	-90.77	-52.60	-13.00	39.60	251	346	Vertical
4	6810.18	49.29	-101.85	-52.56	-13.00	39.56	175	154	Vertical
5	10215.27	45.44	-93.16	-47.72	-13.00	34.72	263	204	Vertical
6	13620.36	43.80	-89.80	-46.00	-13.00	33.00	254	318	Vertical



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**Test Band = NR UL CA 71A-n77A 3450M-3550M\_ TM1**
**Test Channel = Mid Channel**

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1343.18	39.34	-95.86	-56.52	-13.00	43.52	163	160	Horizontal
2	2014.77	38.15	-93.34	-55.19	-13.00	42.19	254	240	Horizontal
3	2686.36	38.66	-90.61	-51.95	-13.00	38.95	174	130	Horizontal
4	6910.18	48.83	-101.41	-52.58	-13.00	39.58	145	170	Horizontal
5	10365.27	42.52	-92.99	-50.47	-13.00	37.47	321	50	Horizontal
6	13820.36	43.57	-90.30	-46.73	-13.00	33.73	142	180	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1343.18	40.72	-95.86	-55.14	-13.00	42.14	142	120	Vertical
2	2014.77	38.56	-93.34	-54.78	-13.00	41.78	263	180	Vertical
3	2686.36	37.57	-90.61	-53.04	-13.00	40.04	251	170	Vertical
4	6910.18	47.46	-101.41	-53.95	-13.00	40.95	185	320	Vertical
5	10365.27	44.01	-92.99	-48.98	-13.00	35.98	263	250	Vertical
6	13820.36	42.53	-90.30	-47.77	-13.00	34.77	241	10	Vertical



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**Test Band = NR UL CA 71A-n77A 3450M-3550M\_ TM1**
**Test Channel = High Channel**

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1358.18	41.03	-95.81	-54.78	-13.00	41.78	176	204	Horizontal
2	2037.27	38.99	-93.27	-54.28	-13.00	41.28	254	262	Horizontal
3	2716.36	38.51	-90.45	-51.94	-13.00	38.94	118	9	Horizontal
4	7010.18	49.42	-101.46	-52.04	-13.00	39.04	142	327	Horizontal
5	10515.27	43.81	-92.59	-48.78	-13.00	35.78	263	31	Horizontal
6	14020.36	41.52	-90.28	-48.76	-13.00	35.76	284	0	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1358.18	40.64	-95.81	-55.17	-13.00	42.17	146	324	Vertical
2	2037.27	39.76	-93.27	-53.51	-13.00	40.51	284	19	Vertical
3	2716.36	37.87	-90.45	-52.58	-13.00	39.58	175	360	Vertical
4	7010.18	49.44	-101.46	-52.02	-13.00	39.02	265	0	Vertical
5	10515.27	43.49	-92.59	-49.10	-13.00	36.10	142	22	Vertical
6	14020.36	42.05	-90.28	-48.23	-13.00	35.23	268	287	Vertical



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Test Band = NR UL CA n25A-n77A 3450M-3550M\_ TM1

Test Channel = Low Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3704.18	34.36	-87.25	-52.89	-13.00	39.89	186	274	Horizontal
2	5556.27	50.09	-105.32	-55.23	-13.00	42.23	265	0	Horizontal
3	6810.18	49.41	-101.85	-52.44	-13.00	39.44	163	64	Horizontal
4	7408.36	47.78	-100.77	-52.99	-13.00	39.99	241	247	Horizontal
5	10215.27	44.03	-93.16	-49.13	-13.00	36.13	251	1	Horizontal
6	13620.36	46.04	-89.80	-43.76	-13.00	30.76	174	149	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3704.18	33.58	-87.25	-53.67	-13.00	40.67	142	22	Vertical
2	5556.27	50.75	-105.32	-54.57	-13.00	41.57	263	166	Vertical
3	6810.18	49.05	-101.85	-52.80	-13.00	39.80	284	338	Vertical
4	7408.36	47.63	-100.77	-53.14	-13.00	40.14	175	247	Vertical
5	10215.27	44.22	-93.16	-48.94	-13.00	35.94	263	44	Vertical
6	13620.36	44.40	-89.80	-45.40	-13.00	32.40	254	357	Vertical



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**Test Band = NR UL CA n25A-n77A 3450M-3550M\_ TM1**
**Test Channel = Mid Channel**

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3729.18	34.35	-87.02	-52.67	-13.00	39.67	163	129	Horizontal
2	5593.77	50.39	-105.40	-55.01	-13.00	42.01	251	226	Horizontal
3	6910.18	47.93	-101.41	-53.48	-13.00	40.48	186	146	Horizontal
4	7458.36	49.44	-100.54	-51.10	-13.00	38.10	174	236	Horizontal
5	10365.27	43.82	-92.99	-49.17	-13.00	36.17	254	206	Horizontal
6	13820.36	43.57	-90.30	-46.73	-13.00	33.73	188	318	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3729.18	33.99	-87.02	-53.03	-13.00	40.03	142	51	Vertical
2	5593.77	50.96	-105.40	-54.44	-13.00	41.44	263	1	Vertical
3	6910.18	48.11	-101.41	-53.30	-13.00	40.30	284	35	Vertical
4	7458.36	47.38	-100.54	-53.16	-13.00	40.16	176	136	Vertical
5	10365.27	43.56	-92.99	-49.43	-13.00	36.43	254	197	Vertical
6	13820.36	43.22	-90.30	-47.08	-13.00	34.08	144	35	Vertical



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**Test Band = NR UL CA n25A-n77A 3450M-3550M\_ TM1**
**Test Channel = High Channel**

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3754.18	33.86	-86.80	-52.94	-13.00	39.94	241	3	Horizontal
2	5631.27	49.82	-105.28	-55.46	-13.00	42.46	175	338	Horizontal
3	7010.18	48.68	-101.46	-52.78	-13.00	39.78	142	187	Horizontal
4	7508.36	48.03	-100.30	-52.27	-13.00	39.27	263	134	Horizontal
5	10515.27	42.77	-92.59	-49.82	-13.00	36.82	263	308	Horizontal
6	14020.36	41.51	-90.28	-48.77	-13.00	35.77	285	207	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3754.18	33.34	-86.80	-53.46	-13.00	40.46	142	70	Vertical
2	5631.27	49.96	-105.28	-55.32	-13.00	42.32	263	126	Vertical
3	7010.18	48.63	-101.46	-52.83	-13.00	39.83	251	205	Vertical
4	7508.36	48.52	-100.30	-51.78	-13.00	38.78	174	17	Vertical
5	10515.27	44.98	-92.59	-47.61	-13.00	34.61	186	277	Vertical
6	14020.36	42.06	-90.28	-48.22	-13.00	35.22	254	35	Vertical



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**Test Band = NR UL CA n13A-n77A 3450M-3550M\_ TM1**

**Test Channel = Low Channel**

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1554.68	39.27	-95.18	-55.91	-13.00	42.91	174	52	Horizontal
2	2332.02	38.26	-92.24	-53.98	-13.00	40.98	163	360	Horizontal
3	3109.36	38.94	-88.89	-49.95	-13.00	36.95	254	215	Horizontal
4	6810.18	49.07	-101.85	-52.78	-13.00	39.78	142	279	Horizontal
5	10215.27	44.70	-93.16	-48.46	-13.00	35.46	263	8	Horizontal
6	13620.36	44.14	-89.80	-45.66	-13.00	32.66	251	1	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1554.68	39.93	-95.18	-55.25	-13.00	42.25	142	4	Vertical
2	2332.02	39.51	-92.24	-52.73	-13.00	39.73	263	155	Vertical
3	3109.36	37.83	-88.89	-51.06	-13.00	38.06	251	348	Vertical
4	6810.18	49.90	-101.85	-51.95	-13.00	38.95	174	16	Vertical
5	10215.27	44.53	-93.16	-48.63	-13.00	35.63	186	0	Vertical
6	13620.36	46.05	-89.80	-43.75	-13.00	30.75	254	168	Vertical



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Test Band = NR UL CA n13A-n77A 3450M-3550M\_ TM1

Test Channel = Mid Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1559.68	40.44	-95.17	-54.73	-13.00	41.73	263	165	Horizontal
2	2339.52	39.06	-92.21	-53.15	-13.00	40.15	241	224	Horizontal
3	3119.36	36.98	-88.84	-51.86	-13.00	38.86	178	360	Horizontal
4	6910.18	48.19	-101.41	-53.22	-13.00	40.22	263	106	Horizontal
5	10365.27	44.00	-92.99	-48.99	-13.00	35.99	284	186	Horizontal
6	13820.36	42.78	-90.30	-47.52	-13.00	34.52	163	238	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1559.68	39.96	-95.17	-55.21	-13.00	42.21	142	10	Vertical
2	2339.52	38.65	-92.21	-53.56	-13.00	40.56	263	360	Vertical
3	3119.36	37.07	-88.84	-51.77	-13.00	38.77	284	273	Vertical
4	6910.18	47.90	-101.41	-53.51	-13.00	40.51	176	7	Vertical
5	10365.27	42.48	-92.99	-50.51	-13.00	37.51	254	1	Vertical
6	13820.36	43.25	-90.30	-47.05	-13.00	34.05	188	74	Vertical



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Test Band = NR UL CA n13A-n77A 3450M-3550M\_ TM1

Test Channel = High Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1564.68	40.00	-95.16	-55.16	-13.00	42.16	263	264	Horizontal
2	2347.02	38.27	-92.18	-53.91	-13.00	40.91	284	298	Horizontal
3	3129.36	37.83	-88.79	-50.96	-13.00	37.96	163	28	Horizontal
4	7010.18	47.91	-101.46	-53.55	-13.00	40.55	163	328	Horizontal
5	10515.27	44.37	-92.59	-48.22	-13.00	35.22	251	187	Horizontal
6	14020.36	43.58	-90.28	-46.70	-13.00	33.70	142	247	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1564.68	39.09	-95.16	-56.07	-13.00	43.07	142	206	Vertical
2	2347.02	38.93	-92.18	-53.25	-13.00	40.25	263	156	Vertical
3	3129.36	37.53	-88.79	-51.26	-13.00	38.26	284	332	Vertical
4	7010.18	49.73	-101.46	-51.73	-13.00	38.73	176	261	Vertical
5	10515.27	43.26	-92.59	-49.33	-13.00	36.33	254	95	Vertical
6	14020.36	42.01	-90.28	-48.27	-13.00	35.27	155	298	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) - Pre-amplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

---End of Attachment---

