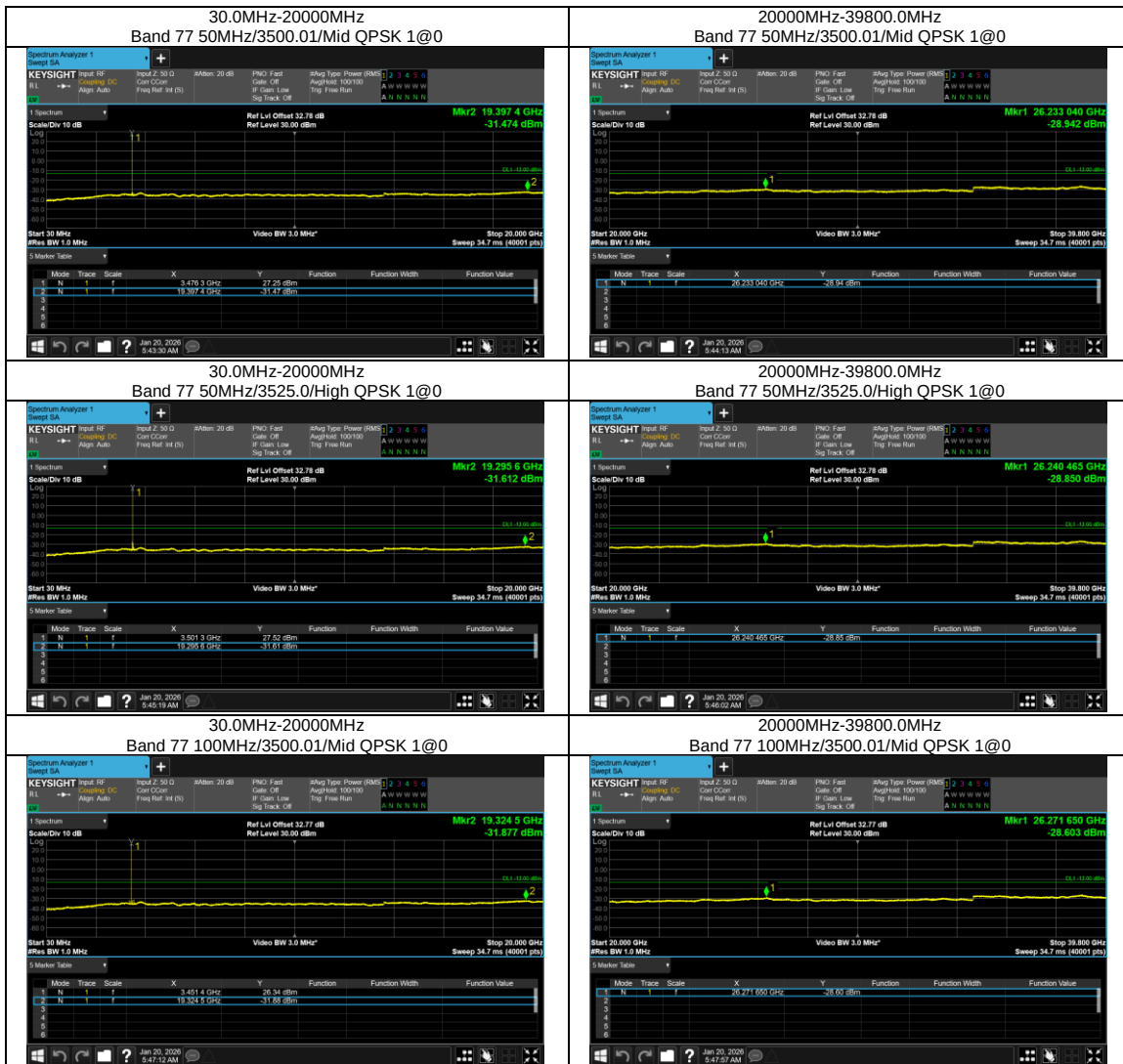






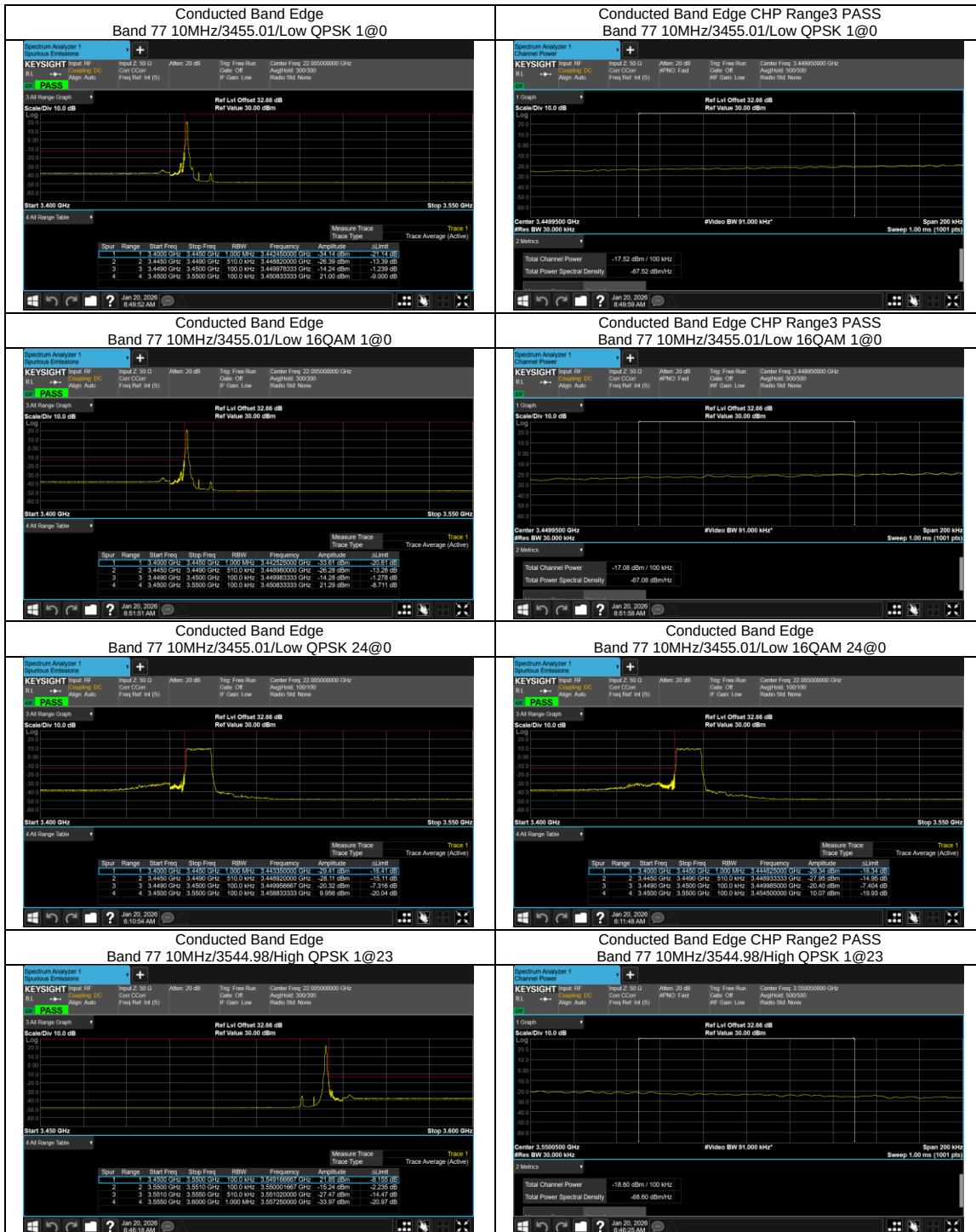
Conducted Band Edge

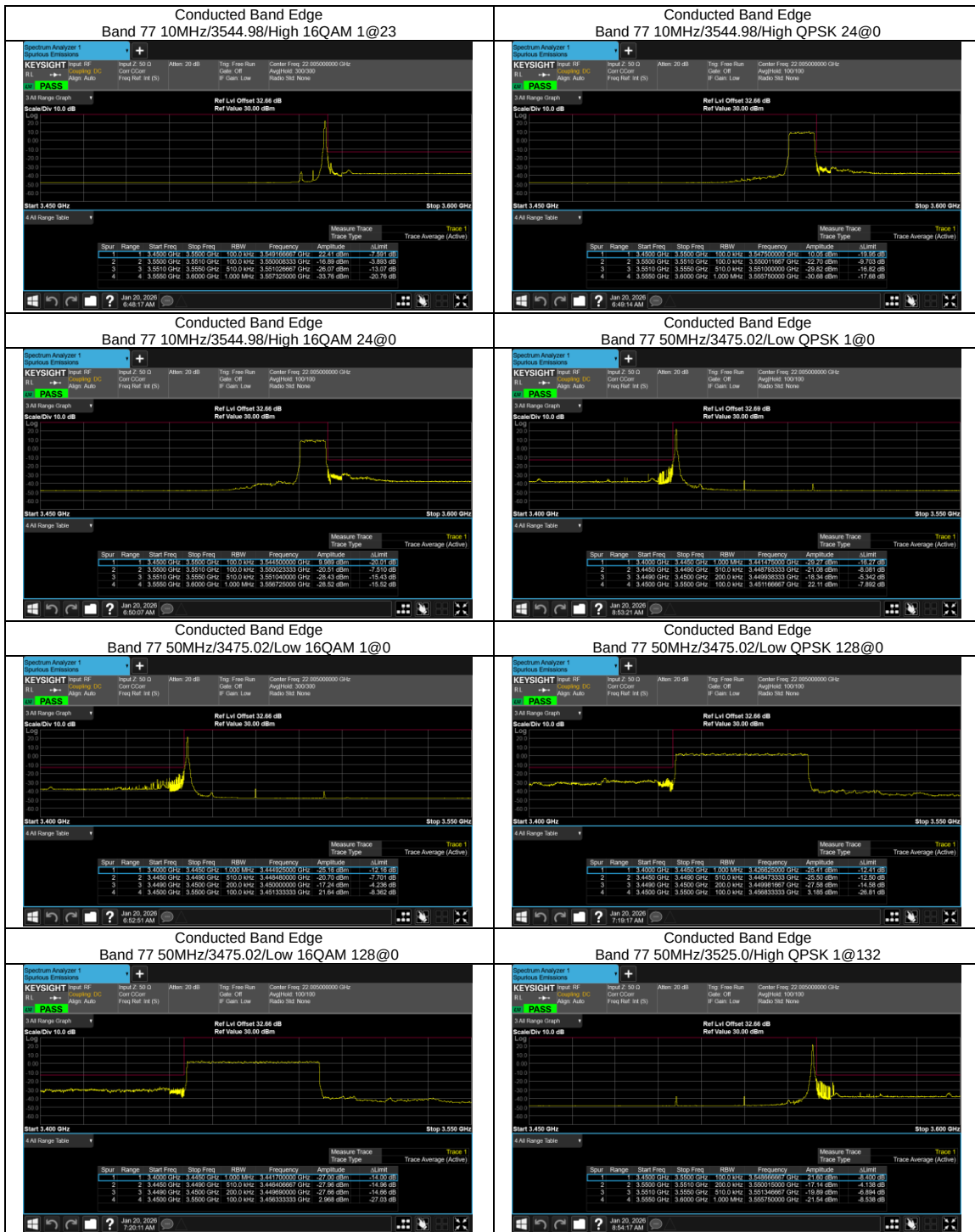
Test Result

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Result	Verdict
77	30	10	630334	3455.01	CP-OFDM QPSK	1@0	See graph	PASS
77	30	10	630334	3455.01	CP-OFDM 16QAM	1@0	See graph	PASS
77	30	10	630334	3455.01	CP-OFDM QPSK	24@0	See graph	PASS
77	30	10	630334	3455.01	CP-OFDM 16QAM	24@0	See graph	PASS
77	30	10	636332	3544.98	CP-OFDM QPSK	1@23	See graph	PASS
77	30	10	636332	3544.98	CP-OFDM 16QAM	1@23	See graph	PASS
77	30	10	636332	3544.98	CP-OFDM QPSK	24@0	See graph	PASS
77	30	10	636332	3544.98	CP-OFDM 16QAM	24@0	See graph	PASS
77	30	50	631668	3475.02	CP-OFDM QPSK	1@0	See graph	PASS
77	30	50	631668	3475.02	CP-OFDM 16QAM	1@0	See graph	PASS
77	30	50	631668	3475.02	CP-OFDM QPSK	128@0	See graph	PASS
77	30	50	631668	3475.02	CP-OFDM 16QAM	128@0	See graph	PASS
77	30	50	635000	3525.0	CP-OFDM QPSK	1@132	See graph	PASS
77	30	50	635000	3525.0	CP-OFDM 16QAM	1@132	See graph	PASS
77	30	50	635000	3525.0	CP-OFDM QPSK	128@0	See graph	PASS
77	30	50	635000	3525.0	CP-OFDM 16QAM	128@0	See graph	PASS
77	30	100	633334	3500.01	CP-OFDM QPSK	1@0	See graph	PASS
77	30	100	633334	3500.01	CP-OFDM 16QAM	1@0	See graph	PASS
77	30	100	633334	3500.01	CP-OFDM QPSK	1@272	See graph	PASS
77	30	100	633334	3500.01	CP-OFDM 16QAM	1@272	See graph	PASS
77	30	100	633334	3500.01	CP-OFDM QPSK	270@0	See graph	PASS
77	30	100	633334	3500.01	CP-OFDM 16QAM	270@0	See graph	PASS



Test Graphs









FR1 N78_ANT2

Transmitter Conducted Output Power And EIRP, $(G_T - L_C) = -2.1\text{dB}$

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
78	30	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@1	26.61	24.51	0.2825
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	26.54	24.44	0.2780
78	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	26.59	24.49	0.2812
78	30	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.54	24.44	0.2780
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.51	24.41	0.2761
78	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.58	24.48	0.2805
78	30	10	636332	3544.98	DFT-s-OFDM PI/2 BPSK	1@1	26.55	24.45	0.2786
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	26.40	24.30	0.2692
78	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	26.40	24.30	0.2692
78	30	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	1@1	26.66	24.56	0.2858
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	26.64	24.54	0.2844
78	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	26.50	24.40	0.2754
78	30	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.52	24.42	0.2767
78	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.48	24.38	0.2742
78	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.51	24.41	0.2761
78	30	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	1@1	26.52	24.42	0.2767
78	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	26.41	24.31	0.2698
78	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	26.40	24.30	0.2692
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@1	26.72	24.62	0.2897
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	26.68	24.58	0.2871
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	26.65	24.55	0.2851
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.53	24.43	0.2773
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.54	24.44	0.2780
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.52	24.42	0.2767
78	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@1	26.59	24.49	0.2812
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	26.55	24.45	0.2786
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	26.48	24.38	0.2742
78	30	25	630834	3462.51	DFT-s-OFDM PI/2 BPSK	1@1	26.79	24.69	0.2944
78	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@1	26.63	24.53	0.2838
78	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@1	26.81	24.71	0.2958
78	30	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.58	24.48	0.2805
78	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.71	24.61	0.2891
78	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.59	24.49	0.2812
78	30	25	635832	3537.48	DFT-s-OFDM PI/2 BPSK	1@1	26.83	24.73	0.2972
78	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@1	26.62	24.52	0.2831
78	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	1@1	26.69	24.59	0.2877
78	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@1	26.65	24.55	0.2851
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	26.68	24.58	0.2871
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	26.85	24.75	0.2985
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.67	24.57	0.2864
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.64	24.54	0.2844
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.66	24.56	0.2858
78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@1	26.76	24.66	0.2924
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	26.82	24.72	0.2965
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	26.75	24.65	0.2917



78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	26.79	24.69	0.2944
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	26.69	24.59	0.2877
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	26.61	24.51	0.2825
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.66	24.56	0.2858
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.64	24.54	0.2844
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.64	24.54	0.2844
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@1	26.68	24.58	0.2871
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	26.59	24.49	0.2812
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	26.58	24.48	0.2805
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@1	26.80	24.70	0.2951
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	26.68	24.58	0.2871
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	26.70	24.60	0.2884
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.84	24.74	0.2979
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.56	24.46	0.2793
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.58	24.48	0.2805
78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	26.79	24.69	0.2944
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	26.67	24.57	0.2864
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	26.72	24.62	0.2897
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@1	26.58	24.48	0.2805
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	26.48	24.38	0.2742
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	26.36	24.26	0.2667
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.49	24.39	0.2748
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.41	24.31	0.2698
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.40	24.30	0.2692
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@1	26.56	24.46	0.2793
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	26.40	24.30	0.2692
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	26.22	24.12	0.2582
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@1	26.56	24.46	0.2793
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	26.60	24.50	0.2818
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	26.47	24.37	0.2735
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.56	24.46	0.2793
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.51	24.41	0.2761
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.51	24.41	0.2761
78	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@1	26.51	24.41	0.2761
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	26.29	24.19	0.2624
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	26.34	24.24	0.2655
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@1	26.43	24.33	0.2710
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	26.31	24.21	0.2636
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	26.29	24.19	0.2624
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.31	24.21	0.2636
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.29	24.19	0.2624
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.44	24.34	0.2716
78	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@1	26.66	24.56	0.2858
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	26.57	24.47	0.2799
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	26.50	24.40	0.2754
78	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	1@1	26.59	24.49	0.2812
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	26.49	24.39	0.2748
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	26.41	24.31	0.2698
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.47	24.37	0.2735
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.41	24.31	0.2698



78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.46	24.36	0.2729
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@1	26.88	24.78	0.3006
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	26.65	24.55	0.2851
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	26.57	24.47	0.2799
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.86	24.76	0.2992
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@0	25.18	23.08	0.2032
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	26.23	24.13	0.2588
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	2@0	25.26	23.16	0.2070
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	26.39	24.29	0.2685
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	2@271	24.73	22.63	0.1832
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	270@0	26.39	24.29	0.2685
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.52	24.42	0.2767
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	24.94	22.84	0.1923
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	26.06	23.96	0.2489
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	2@0	25.09	22.99	0.1991
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	26.19	24.09	0.2564
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	2@271	24.83	22.73	0.1875
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	270@0	26.31	24.21	0.2636
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.57	24.47	0.2799
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	25.76	23.66	0.2323
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	22.96	20.86	0.1219
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	270@0	25.93	23.83	0.2415
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	270@0	25.40	23.30	0.2138
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	270@0	22.91	20.81	0.1205
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	26.82	24.72	0.2965
78	30	100	633334	3500.01	CP-OFDM 16 QAM	1@1	26.78	24.68	0.2938
78	30	100	633334	3500.01	CP-OFDM 64 QAM	1@1	24.29	22.19	0.1656



FR1 N78_ MIMO-ANT6+2

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=-2.1dB

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	ANT6 Power(dBm)	ANT2 Power(dBm)	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
78	30	10	630334	3455.01	CP-OFDM QPSK	1@1	24.92	25.52	28.24	26.14	0.4112
78	30	10	630334	3455.01	CP-OFDM 16 QAM	1@1	24.02	24.75	27.41	25.31	0.3397
78	30	10	630334	3455.01	CP-OFDM 64 QAM	1@1	22.73	23.23	26.00	23.90	0.2453
78	30	10	633334	3500.01	CP-OFDM QPSK	1@1	24.79	25.27	28.05	25.95	0.3933
78	30	10	633334	3500.01	CP-OFDM 16 QAM	1@1	23.71	24.72	27.25	25.15	0.3277
78	30	10	633334	3500.01	CP-OFDM 64 QAM	1@1	22.62	23.09	25.87	23.77	0.2383
78	30	10	636332	3544.98	CP-OFDM QPSK	1@1	24.74	25.11	27.94	25.84	0.3836
78	30	10	636332	3544.98	CP-OFDM 16 QAM	1@1	24.05	25.04	27.58	25.48	0.3535
78	30	10	636332	3544.98	CP-OFDM 64 QAM	1@1	22.44	23.41	25.96	23.86	0.2434
78	30	15	630500	3457.5	CP-OFDM QPSK	1@1	25.01	25.37	28.20	26.10	0.4078
78	30	15	630500	3457.5	CP-OFDM 16 QAM	1@1	24.27	24.94	27.63	25.53	0.3571
78	30	15	630500	3457.5	CP-OFDM 64 QAM	1@1	22.95	23.49	26.24	24.14	0.2593
78	30	15	633334	3500.01	CP-OFDM QPSK	1@1	24.75	25.30	28.04	25.94	0.3930
78	30	15	633334	3500.01	CP-OFDM 16 QAM	1@1	24.10	24.94	27.55	25.45	0.3508
78	30	15	633334	3500.01	CP-OFDM 64 QAM	1@1	22.69	23.10	25.91	23.81	0.2404
78	30	15	636166	3542.49	CP-OFDM QPSK	1@1	24.48	25.22	27.88	25.78	0.3781
78	30	15	636166	3542.49	CP-OFDM 16 QAM	1@1	23.67	24.81	27.29	25.19	0.3302
78	30	15	636166	3542.49	CP-OFDM 64 QAM	1@1	22.57	22.89	25.74	23.64	0.2314
78	30	20	630668	3460.02	CP-OFDM QPSK	1@1	24.94	25.28	28.12	26.02	0.4003
78	30	20	630668	3460.02	CP-OFDM 16 QAM	1@1	24.16	24.99	27.61	25.51	0.3552
78	30	20	630668	3460.02	CP-OFDM 64 QAM	1@1	22.72	23.31	26.04	23.94	0.2475
78	30	20	633334	3500.01	CP-OFDM QPSK	1@1	24.78	25.24	28.03	25.93	0.3914
78	30	20	633334	3500.01	CP-OFDM 16 QAM	1@1	23.77	24.74	27.29	25.19	0.3305
78	30	20	633334	3500.01	CP-OFDM 64 QAM	1@1	22.49	22.94	25.73	23.63	0.2307
78	30	20	636000	3540	CP-OFDM QPSK	1@1	24.37	24.53	27.46	25.36	0.3436
78	30	20	636000	3540	CP-OFDM 16 QAM	1@1	23.62	24.44	27.06	24.96	0.3133
78	30	20	636000	3540	CP-OFDM 64 QAM	1@1	22.53	22.90	25.73	23.63	0.2306
78	30	25	630834	3462.51	CP-OFDM QPSK	1@1	25.13	25.33	28.24	26.14	0.4113
78	30	25	630834	3462.51	CP-OFDM 16 QAM	1@1	24.08	24.80	27.47	25.37	0.3440
78	30	25	630834	3462.51	CP-OFDM 64 QAM	1@1	23.05	23.53	26.31	24.21	0.2634
78	30	25	633334	3500.01	CP-OFDM QPSK	1@1	24.91	25.17	28.05	25.95	0.3938
78	30	25	633334	3500.01	CP-OFDM 16 QAM	1@1	24.08	24.69	27.41	25.31	0.3393
78	30	25	633334	3500.01	CP-OFDM 64 QAM	1@1	22.64	23.10	25.89	23.79	0.2391
78	30	25	635832	3537.48	CP-OFDM QPSK	1@1	24.79	25.15	27.98	25.88	0.3876



78	30	25	635832	3537.48	CP-OFDM 16 QAM	1@1	23.66	24.81	27.28	25.18	0.3299
78	30	25	635832	3537.48	CP-OFDM 64 QAM	1@1	22.60	23.23	25.94	23.84	0.2419
78	30	30	631000	3465	CP-OFDM QPSK	1@1	25.10	25.42	28.27	26.17	0.4143
78	30	30	631000	3465	CP-OFDM 16 QAM	1@1	24.19	24.80	27.52	25.42	0.3480
78	30	30	631000	3465	CP-OFDM 64 QAM	1@1	22.97	23.66	26.34	24.24	0.2654
78	30	30	633334	3500.01	CP-OFDM QPSK	1@1	24.89	25.25	28.08	25.98	0.3966
78	30	30	633334	3500.01	CP-OFDM 16 QAM	1@1	24.18	24.83	27.53	25.43	0.3489
78	30	30	633334	3500.01	CP-OFDM 64 QAM	1@1	22.60	23.00	25.81	23.71	0.2352
78	30	30	635666	3534.99	CP-OFDM QPSK	1@1	24.60	25.17	27.90	25.80	0.3806
78	30	30	635666	3534.99	CP-OFDM 16 QAM	1@1	23.81	24.83	27.36	25.26	0.3358
78	30	30	635666	3534.99	CP-OFDM 64 QAM	1@1	22.38	22.94	25.68	23.58	0.2280
78	30	40	631334	3470.01	CP-OFDM QPSK	1@1	25.03	25.38	28.22	26.12	0.4091
78	30	40	631334	3470.01	CP-OFDM 16 QAM	1@1	24.08	24.94	27.54	25.44	0.3501
78	30	40	631334	3470.01	CP-OFDM 64 QAM	1@1	23.02	23.26	26.15	24.05	0.2542
78	30	40	633334	3500.01	CP-OFDM QPSK	1@1	24.81	25.15	27.99	25.89	0.3885
78	30	40	633334	3500.01	CP-OFDM 16 QAM	1@1	23.89	24.53	27.23	25.13	0.3260
78	30	40	633334	3500.01	CP-OFDM 64 QAM	1@1	22.76	22.96	25.87	23.77	0.2383
78	30	40	635332	3529.98	CP-OFDM QPSK	1@1	24.45	25.13	27.81	25.71	0.3727
78	30	40	635332	3529.98	CP-OFDM 16 QAM	1@1	23.64	24.55	27.13	25.03	0.3184
78	30	40	635332	3529.98	CP-OFDM 64 QAM	1@1	22.38	22.82	25.62	23.52	0.2247
78	30	50	631668	3475.02	CP-OFDM QPSK	1@1	25.20	25.34	28.28	26.18	0.4150
78	30	50	631668	3475.02	CP-OFDM 16 QAM	1@1	24.63	24.88	27.77	25.67	0.3687
78	30	50	631668	3475.02	CP-OFDM 64 QAM	1@1	23.05	23.44	26.26	24.16	0.2606
78	30	50	633334	3500.01	CP-OFDM QPSK	1@1	24.96	25.48	28.24	26.14	0.4110
78	30	50	633334	3500.01	CP-OFDM 16 QAM	1@1	24.32	24.85	27.60	25.50	0.3551
78	30	50	633334	3500.01	CP-OFDM 64 QAM	1@1	22.90	23.36	26.15	24.05	0.2539
78	30	50	635000	3525	CP-OFDM QPSK	1@1	24.80	25.32	28.08	25.98	0.3961
78	30	50	635000	3525	CP-OFDM 16 QAM	1@1	23.83	24.94	27.43	25.33	0.3412
78	30	50	635000	3525	CP-OFDM 64 QAM	1@1	22.96	22.97	25.98	23.88	0.2441
78	30	60	632000	3480	CP-OFDM QPSK	1@1	25.24	25.27	28.27	26.17	0.4136
78	30	60	632000	3480	CP-OFDM 16 QAM	1@1	24.12	24.93	27.55	25.45	0.3511
78	30	60	632000	3480	CP-OFDM 64 QAM	1@1	23.17	23.14	26.17	24.07	0.2550
78	30	60	633334	3500.01	CP-OFDM QPSK	1@1	24.41	25.12	27.79	25.69	0.3707
78	30	60	633334	3500.01	CP-OFDM 16 QAM	1@1	24.09	24.01	27.06	24.96	0.3134
78	30	60	633334	3500.01	CP-OFDM 64 QAM	1@1	22.66	22.65	25.67	23.57	0.2273
78	30	60	634666	3519.99	CP-OFDM QPSK	1@1	24.87	25.10	28.00	25.90	0.3888
78	30	60	634666	3519.99	CP-OFDM 16 QAM	1@1	24.28	24.70	27.51	25.41	0.3472
78	30	60	634666	3519.99	CP-OFDM 64 QAM	1@1	22.73	22.87	25.81	23.71	0.2350
78	30	70	632334	3485.01	CP-OFDM QPSK	1@1	25.22	25.39	28.32	26.22	0.4184
78	30	70	632334	3485.01	CP-OFDM 16 QAM	1@1	24.13	24.73	27.45	25.35	0.3428
78	30	70	632334	3485.01	CP-OFDM 64 QAM	1@1	22.97	23.10	26.05	23.95	0.2481
78	30	70	633334	3500.01	CP-OFDM QPSK	1@1	25.06	25.03	28.06	25.96	0.3940



78	30	70	633334	3500.01	CP-OFDM 16 QAM	1@1	24.06	24.59	27.34	25.24	0.3345
78	30	70	633334	3500.01	CP-OFDM 64 QAM	1@1	22.68	22.87	25.79	23.69	0.2337
78	30	70	634332	3514.98	CP-OFDM QPSK	1@1	24.93	25.06	28.01	25.91	0.3896
78	30	70	634332	3514.98	CP-OFDM 16 QAM	1@1	23.98	24.56	27.29	25.19	0.3304
78	30	70	634332	3514.98	CP-OFDM 64 QAM	1@1	22.63	22.78	25.72	23.62	0.2299
78	30	80	632668	3490.02	CP-OFDM QPSK	1@1	25.24	25.44	28.35	26.25	0.4218
78	30	80	632668	3490.02	CP-OFDM 16 QAM	1@1	24.24	24.83	27.56	25.46	0.3512
78	30	80	632668	3490.02	CP-OFDM 64 QAM	1@1	23.13	23.21	26.18	24.08	0.2559
78	30	80	633334	3500.01	CP-OFDM QPSK	1@1	25.07	25.29	28.19	26.09	0.4066
78	30	80	633334	3500.01	CP-OFDM 16 QAM	1@1	24.09	24.82	27.48	25.38	0.3452
78	30	80	633334	3500.01	CP-OFDM 64 QAM	1@1	22.77	23.31	26.06	23.96	0.2488
78	30	80	634000	3510	CP-OFDM QPSK	1@1	24.75	25.08	27.93	25.83	0.3827
78	30	80	634000	3510	CP-OFDM 16 QAM	1@1	24.31	24.54	27.44	25.34	0.3417
78	30	80	634000	3510	CP-OFDM 64 QAM	1@1	22.75	22.76	25.77	23.67	0.2326
78	30	90	633000	3495	CP-OFDM QPSK	1@1	25.00	25.37	28.20	26.10	0.4073
78	30	90	633000	3495	CP-OFDM 16 QAM	1@1	24.47	24.93	27.72	25.62	0.3645
78	30	90	633000	3495	CP-OFDM 64 QAM	1@1	23.31	23.47	26.40	24.30	0.2692
78	30	90	633334	3500.01	CP-OFDM QPSK	1@1	25.14	25.40	28.28	26.18	0.4152
78	30	90	633334	3500.01	CP-OFDM 16 QAM	1@1	24.33	24.52	27.44	25.34	0.3417
78	30	90	633334	3500.01	CP-OFDM 64 QAM	1@1	22.68	23.08	25.89	23.79	0.2396
78	30	90	633666	3504.99	CP-OFDM QPSK	1@1	24.76	25.37	28.09	25.99	0.3968
78	30	90	633666	3504.99	CP-OFDM 16 QAM	1@1	24.46	24.71	27.60	25.50	0.3546
78	30	90	633666	3504.99	CP-OFDM 64 QAM	1@1	23.18	23.33	26.27	24.17	0.2610
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	25.55	25.57	28.57	26.47	0.4436
78	30	100	633334	3500.01	CP-OFDM QPSK	1@0	20.98	21.18	24.09	21.99	0.1582
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	25.57	25.59	28.59	26.49	0.4457
78	30	100	633334	3500.01	CP-OFDM QPSK	2@0	20.81	21.13	23.98	21.88	0.1543
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	25.1	25.24	28.18	26.08	0.4056
78	30	100	633334	3500.01	CP-OFDM QPSK	2@271	20.41	20.55	23.49	21.39	0.1377
78	30	100	633334	3500.01	CP-OFDM QPSK	273@0	22.38	22.59	25.50	23.40	0.2186
78	30	100	633334	3500.01	CP-OFDM 16 QAM	1@1	25.21	25.67	28.46	26.36	0.4322
78	30	100	633334	3500.01	CP-OFDM 64 QAM	1@1	23.88	24	26.95	24.85	0.3055
78	30	100	633334	3500.01	CP-OFDM 256 QAM	1@1	20.88	20.91	23.91	21.81	0.1515
78	30	100	633334	3500.01	CP-OFDM QPSK	273@0	22.36	22.51	25.45	23.35	0.2161
78	30	100	633334	3500.01	CP-OFDM 16 QAM	273@0	22.33	22.65	25.50	23.40	0.2189
78	30	100	633334	3500.01	CP-OFDM 64 QAM	273@0	21.93	22.04	25.00	22.90	0.1948
78	30	100	633334	3500.01	CP-OFDM 256 QAM	273@0	18.39	18.49	21.45	19.35	0.0861

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	LiangPing Zhou	Temperature :	22~25°C
		Relative Humidity :	48~52%

RSE pre-scanned harmonic for different antennas, choose the worst antenna perform final test and record in the report.

n77 SA / NR 100MHz / QPSK(ANT2) Main PA								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6904.00	-60.38	-13	-47.38	-63.68	8.30	11.60	H
	10356.00	-53.47	-13	-40.47	-54.99	10.48	12.00	H
	13808.00	-39.23	-13	-26.23	-40.93	11.80	13.50	H
	6904.00	-59.98	-13	-46.98	-63.28	8.30	11.60	V
	10356.00	-53.71	-13	-40.71	-55.23	10.48	12.00	V
	13808.00	-39.02	-13	-26.02	-40.72	11.80	13.50	V

EN-DC_14A_n77A / LTE 20MHz + NR 100MHz / QPSK(0+2) Main PA								
Channel	Frequency (MHz)	ERP/EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n77 Middle	6904.00	-55.74	-13	-42.74	-59.04	8.30	11.60	H
	10356.00	-54.45	-13	-41.45	-55.97	10.48	12.00	H
	13808.00	-36.90	-13	-23.90	-38.60	11.80	13.50	H
	6904.00	-57.13	-13	-44.13	-60.43	8.30	11.60	V
	10356.00	-56.67	-13	-43.67	-58.19	10.48	12.00	V
	13808.00	-39.08	-13	-26.08	-40.78	11.80	13.50	V
LTE Band14 Middle	1577	-49.23	-42.15	-7.08	-52.48	4.00	9.40	H
	2365.5	-61.59	-13	-48.59	-65.16	4.88	10.60	H
	3154	-59.53	-13	-46.53	-64.46	5.52	12.60	H
	1577	-53.12	-42.15	-10.97	-56.37	4.00	9.40	V
	2365.5	-60.93	-13	-47.93	-64.50	4.88	10.60	V
	3154	-58.89	-13	-45.89	-63.82	5.52	12.60	V

n77 SA / NR 100MHz / QPSK(ANT4) PA Reference Designator								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6904.00	-58.03	-13	-45.03	-61.33	8.30	11.60	H
	10356.00	-49.35	-13	-36.35	-50.87	10.48	12.00	H
	13808.00	-49.91	-13	-36.91	-51.61	11.80	13.50	H
	6904.00	-57.78	-13	-44.78	-61.08	8.30	11.60	V
	10356.00	-54.35	-13	-41.35	-55.87	10.48	12.00	V
	13808.00	-51.77	-13	-38.77	-53.47	11.80	13.50	V

EN-DC_14A_n77A / LTE 20MHz + NR 100MHz / QPSK(0+4) PA Reference Designator								
Channel	Frequency (MHz)	ERP/EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n77 Middle	6904.00	-60.52	-13	-47.52	-63.82	8.30	11.60	H
	10356.00	-54.24	-13	-41.24	-55.76	10.48	12.00	H
	13808.00	-51.82	-13	-38.82	-53.52	11.80	13.50	H
	6904.00	-60.17	-13	-47.17	-63.47	8.30	11.60	V
	10356.00	-54.59	-13	-41.59	-56.11	10.48	12.00	V
	13808.00	-52.88	-13	-39.88	-54.58	11.80	13.50	V
LTE Band14 Middle	1577	-46.53	-42.15	-4.38	-49.78	4.00	9.40	H
	2365.5	-60.58	-13	-47.58	-64.15	4.88	10.60	H
	3154	-61.30	-13	-48.30	-66.23	5.52	12.60	H
	1577	-49.31	-42.15	-7.16	-52.56	4.00	9.40	V
	2365.5	-61.39	-13	-48.39	-64.96	4.88	10.60	V
	3154	-60.69	-13	-47.69	-65.62	5.52	12.60	V

n77 UL MIMO / NR 100+100MHz / QPSK(ANT2+6)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6904.00	-57.92	-13	-44.92	-61.22	8.30	11.60	H
	10356.00	-40.57	-13	-27.57	-42.09	10.48	12.00	H
	13808.00	-41.31	-13	-28.31	-43.01	11.80	13.50	H
	6904.00	-60.11	-13	-47.11	-63.41	8.30	11.60	V
	10356.00	-52.34	-13	-39.34	-53.86	10.48	12.00	V
	13808.00	-42.74	-13	-29.74	-44.44	11.80	13.50	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.