Software Version: 23.02.011001

FR1 N77 MIMO-(ANT5+ANT1)

Transmitter Conducted Output Power and EIRP, (G_T-L_C)=-1.07dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	ANT5 Power (dBm)	ANT1 Power (dBm)	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
77	30	20	630668	3460.02	CP-OFDM QPSK	1@1	21.13	21.7	24.5	23.43	0.2203
77	30	20	633334	3500.01	CP-OFDM QPSK	1@1	20.95	22.03	24.54	23.47	0.2223
77	30	20	636000	3540	CP-OFDM QPSK	1@1	20.8	21.5	24.09	23.02	0.2004
77	30	30	631000	3465	CP-OFDM QPSK	1@1	21.28	21.7	24.51	23.44	0.2208
77	30	30	633334	3500.01	CP-OFDM QPSK	1@1	21.01	21.97	24.55	23.48	0.2228
77	30	30	635666	3534.99	CP-OFDM QPSK	1@1	20.82	21.65	24.3	23.23	0.2104
77	30	40	631334	3470.01	CP-OFDM QPSK	1@1	21.34	21.74	24.55	23.48	0.2228
77	30	40	633334	3500.01	CP-OFDM QPSK	1@1	20.8	21.51	24.16	23.09	0.2037
77	30	40	635332	3529.98	CP-OFDM QPSK	1@1	20.91	22.07	24.55	23.48	0.2228
77	30	50	631668	3475.02	CP-OFDM QPSK	1@1	20.97	21.57	24.35	23.28	0.2128
77	30	50	633334	3500.01	CP-OFDM QPSK	1@1	20.83	21.77	24.33	23.26	0.2118
77	30	50	635000	3525	CP-OFDM QPSK	1@1	20.84	22	24.49	23.42	0.2198
77	30	60	632000	3480	CP-OFDM QPSK	1@1	21.19	21.61	24.34	23.27	0.2123
77	30	60	633334	3500.01	CP-OFDM QPSK	1@1	21	21.7	24.24	23.17	0.2075
77	30	60	634666	3519.99	CP-OFDM QPSK	1@1	20.87	21.97	24.48	23.41	0.2193
77	30	70	632334	3485.01	CP-OFDM QPSK	1@1	21.03	21.44	24.25	23.18	0.2080
77	30	70	633334	3500.01	CP-OFDM QPSK	1@1	20.8	21.41	24.14	23.07	0.2028
77	30	70	634332	3514.98	CP-OFDM QPSK	1@1	20.67	21.72	24.34	23.27	0.2123
77	30	80	632668	3490.02	CP-OFDM QPSK	1@1	21	21.5	24.25	23.18	0.2080
77	30	80	633334	3500.01	CP-OFDM QPSK	1@1	20.86	21.29	24.14	23.07	0.2028
77	30	80	634000	3510	CP-OFDM QPSK	1@1	20.67	21.52	24.26	23.19	0.2084
77	30	90	633000	3495	CP-OFDM QPSK	1@1	20.92	21.5	24.22	23.15	0.2065
77	30	90	633334	3500.01	CP-OFDM QPSK	1@1	21.02	21.32	24.11	23.04	0.2014
77	30	90	633666	3504.99	CP-OFDM QPSK	1@1	20.94	21.48	24.17	23.1	0.2042
77	30	100	633334	3500.01	CP-OFDM QPSK	137@68	20.34	21.49	23.96	22.89	0.1945
77	30	100	633334	3500.01	CP-OFDM QPSK	1@1	21.11	22.03	24.58	23.51	0.2244
77	30	100	633334	3500.01	CP-OFDM QPSK	1@271	20.22	20.99	23.63	22.56	0.1803
77	30	100	633334	3500.01	CP-OFDM 16 QAM	137@68	19.92	21.05	23.52	22.45	0.1758
77	30	100	633334	3500.01	CP-OFDM 16 QAM	1@1	20.47	20.85	23.68	22.61	0.1824
77	30	100	633334	3500.01	CP-OFDM 16 QAM	1@271	19.93	20.27	23.11	22.04	0.1600
77	30	100	633334	3500.01	CP-OFDM 64 QAM	137@68	18.45	19.5	22.01	20.94	0.1242
77	30	100	633334	3500.01	CP-OFDM 64 QAM	1@1	18.71	19.4	22.12	21.05	0.1274
77	30	100	633334	3500.01	CP-OFDM 64 QAM	1@271	18.18	18.76	21.51	20.44	0.1107
77	30	100	633334	3500.01	CP-OFDM 256 QAM	137@68	15.39	16.54	19.01	17.94	0.0622
77	30	100	633334	3500.01	CP-OFDM 256 QAM	1@1	15.58	16.47	19.07	18	0.0631
77	30	100	633334	3500.01	CP-OFDM 256 QAM	1@271	15.05	15.86	18.48	17.41	0.0551

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0046	**PASS**	NV
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0032	**PASS**	LV
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0028	**PASS**	HV
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0049	**PASS**	-30℃
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0032	**PASS**	-20℃
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0031	**PASS**	-10℃
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0028	**PASS**	0℃
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0032	**PASS**	10℃
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0042	**PASS**	20℃
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0054	**PASS**	30℃
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0034	**PASS**	40℃
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	0.0024	**PASS**	50℃

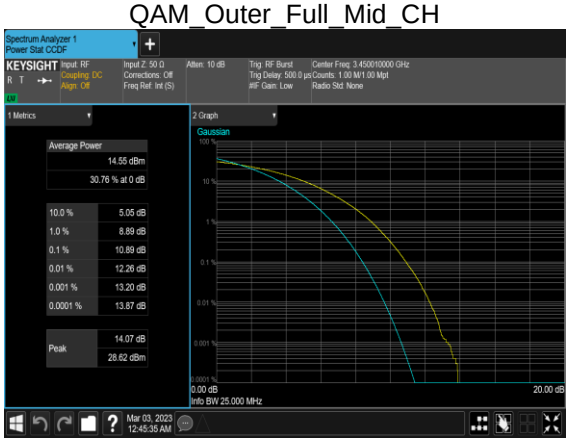
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	10.73	13	**PASS**
77	30	100	633334	3500.01	CP-OFDM QPSK	1@0	10.08	13	**PASS**
77	30	100	633334	3500.01	CP-OFDM 16 QAM	273@0	10.89	13	**PASS**
77	30	100	633334	3500.01	CP-OFDM 16 QAM	1@0	11.02	13	**PASS**

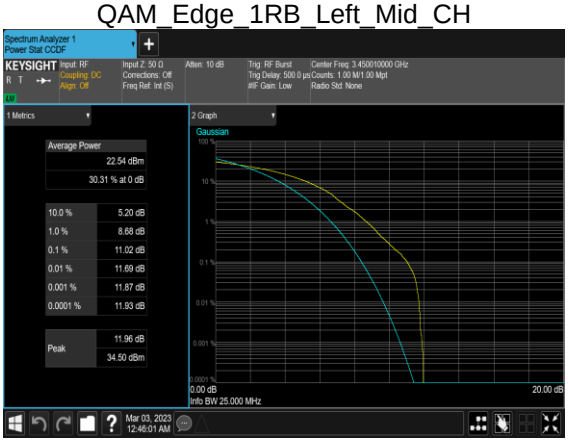
N77(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH

N77(100M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_16 QAM_Edge_1RB_Left_Mid_CH

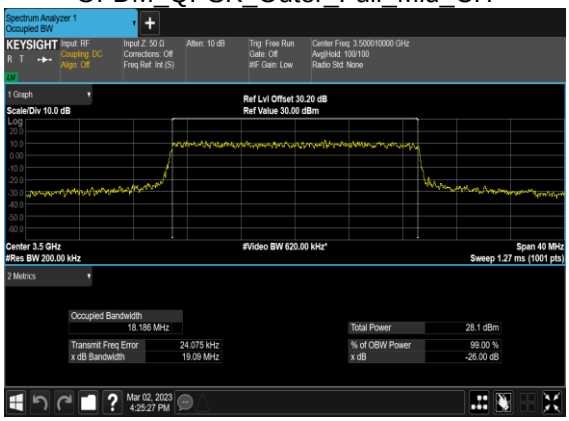


Occupied Bandwidth

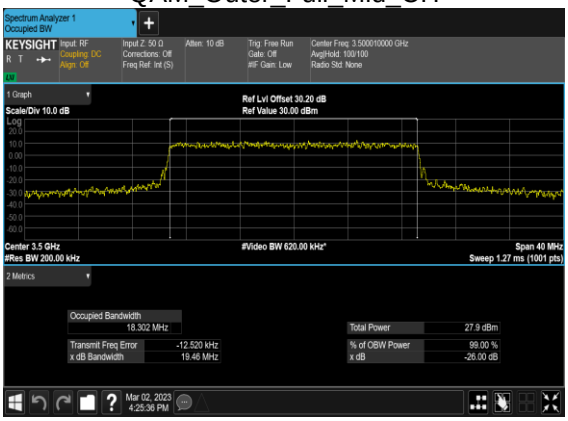
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	18.186	19.09
77	30	20	633334	3500.01	CP-OFDM 16 QAM	51@0	18.302	19.46
77	30	20	633334	3500.01	CP-OFDM 64 QAM	51@0	18.147	19.2
77	30	20	633334	3500.01	CP-OFDM 256 QAM	51@0	18.185	19.09
77	30	30	633334	3500.01	CP-OFDM QPSK	78@0	27.759	28.99
77	30	30	633334	3500.01	CP-OFDM 16 QAM	78@0	27.816	28.7
77	30	30	633334	3500.01	CP-OFDM 64 QAM	78@0	27.79	28.89
77	30	30	633334	3500.01	CP-OFDM 256 QAM	78@0	27.864	29.1
77	30	40	633334	3500.01	CP-OFDM QPSK	106@0	37.756	39.05
77	30	40	633334	3500.01	CP-OFDM 16 QAM	106@0	37.94	39.53
77	30	40	633334	3500.01	CP-OFDM 64 QAM	106@0	37.901	39.17
77	30	40	633334	3500.01	CP-OFDM 256 QAM	106@0	37.95	39.17
77	30	50	633334	3500.01	CP-OFDM QPSK	133@0	47.489	49.18
77	30	50	633334	3500.01	CP-OFDM 16 QAM	133@0	47.514	48.94
77	30	50	633334	3500.01	CP-OFDM 64 QAM	133@0	47.4	49.21
77	30	50	633334	3500.01	CP-OFDM 256 QAM	133@0	47.574	49.03
77	30	60	633334	3500.01	CP-OFDM QPSK	162@0	57.846	59.82
77	30	60	633334	3500.01	CP-OFDM 16 QAM	162@0	57.913	59.67
77	30	60	633334	3500.01	CP-OFDM 64 QAM	162@0	57.811	59.77
77	30	60	633334	3500.01	CP-OFDM 256 QAM	162@0	57.76	59.62
77	30	70	633334	3500.01	CP-OFDM QPSK	189@0	67.505	69.54
77	30	70	633334	3500.01	CP-OFDM 16 QAM	189@0	67.561	69.54
77	30	70	633334	3500.01	CP-OFDM 64 QAM	189@0	67.586	69.71
77	30	70	633334	3500.01	CP-OFDM 256 QAM	189@0	67.324	69.58
77	30	80	633334	3500.01	CP-OFDM QPSK	217@0	77.427	79.94
77	30	80	633334	3500.01	CP-OFDM 16 QAM	217@0	77.545	79.89

77	30	80	633334	3500.01	CP-OFDM 64 QAM	217@0	77.631	80.05
77	30	80	633334	3500.01	CP-OFDM 256 QAM	217@0	77.448	79.98
77	30	90	633334	3500.01	CP-OFDM QPSK	245@0	87.424	90.37
77	30	90	633334	3500.01	CP-OFDM 16 QAM	245@0	87.409	90.2
77	30	90	633334	3500.01	CP-OFDM 64 QAM	245@0	87.545	90.49
77	30	90	633334	3500.01	CP-OFDM 256 QAM	245@0	87.447	90.34
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	97.322	100.5
77	30	100	633334	3500.01	CP-OFDM 16 QAM	273@0	97.597	100.6
77	30	100	633334	3500.01	CP-OFDM 64 QAM	273@0	97.467	100.6
77	30	100	633334	3500.01	CP-OFDM 256 QAM	273@0	97.236	100.4

N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N77(20M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



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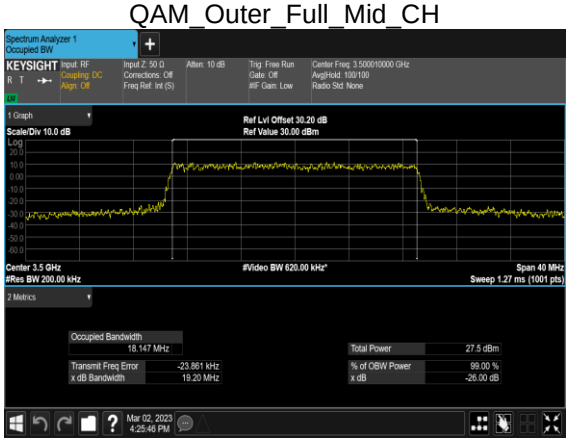
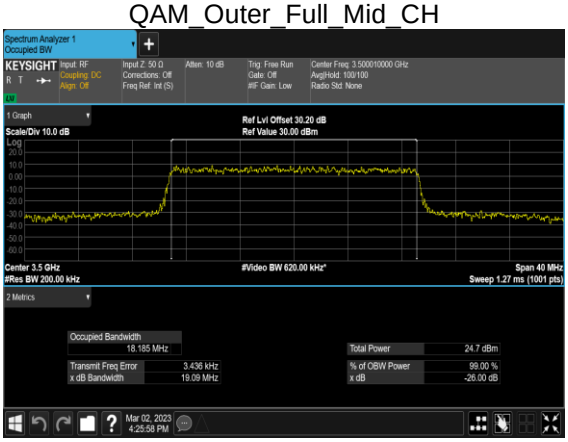
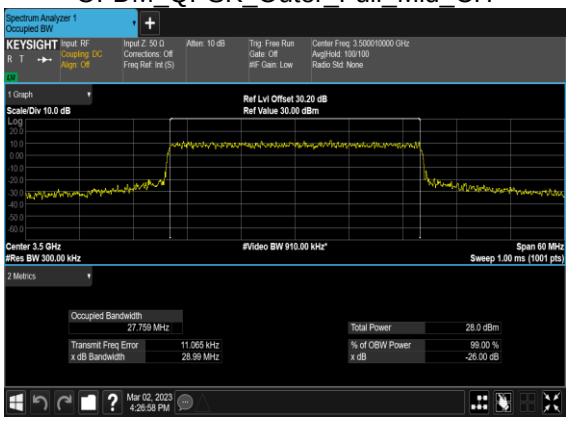


N77(20M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



N77(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



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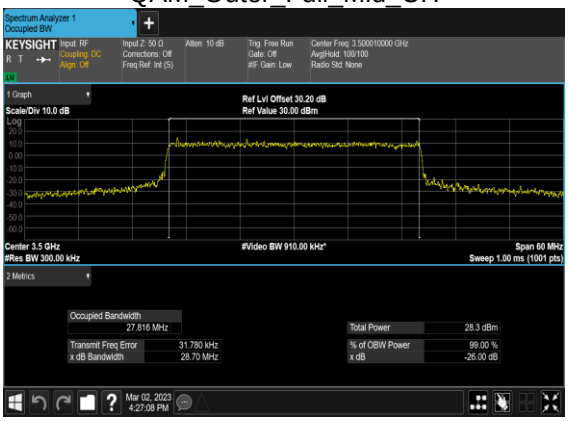
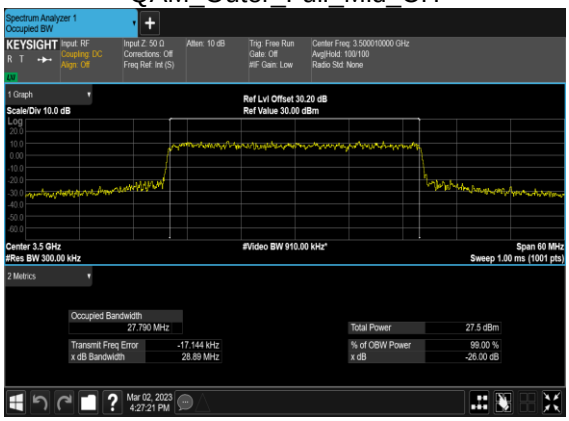
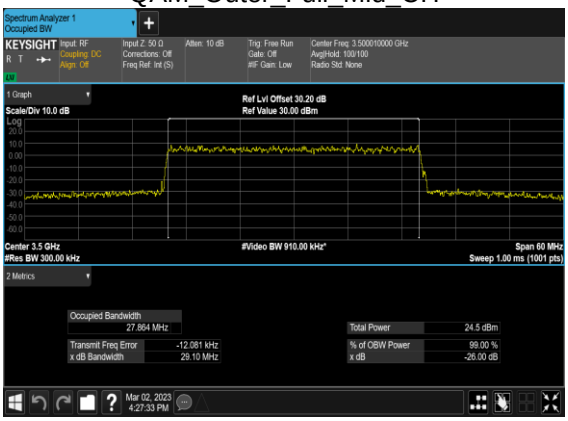


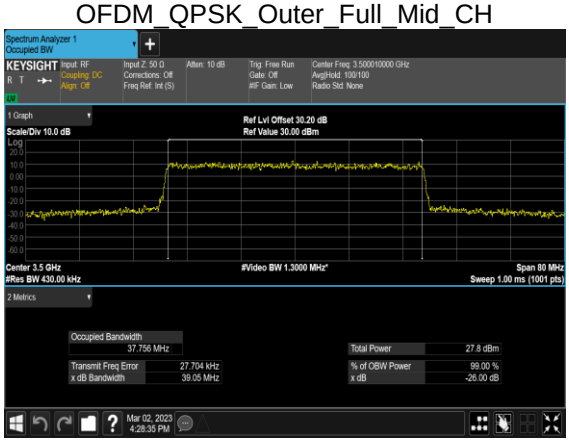
N77(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



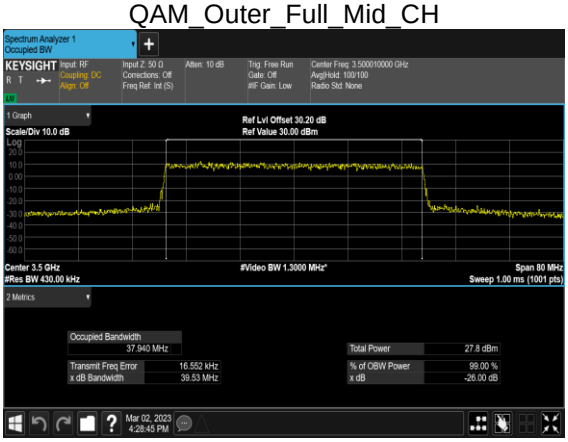
N77(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



N77(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N77(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



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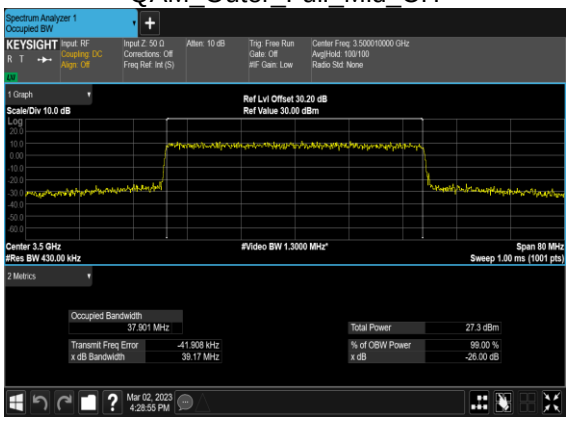

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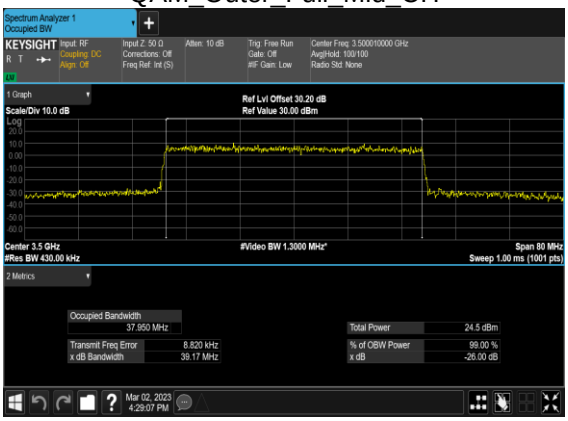
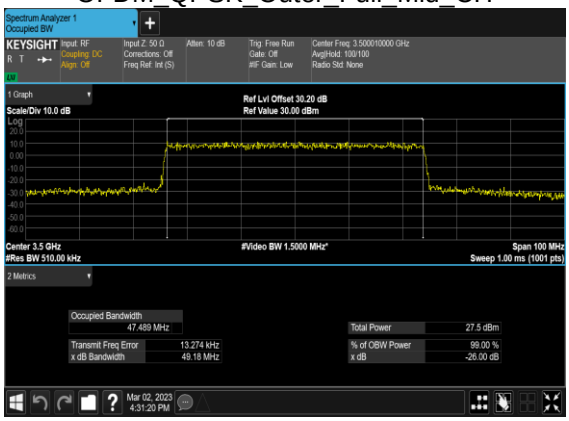


N77(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



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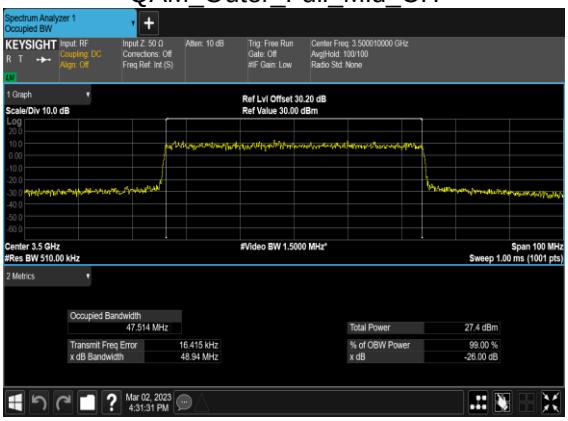

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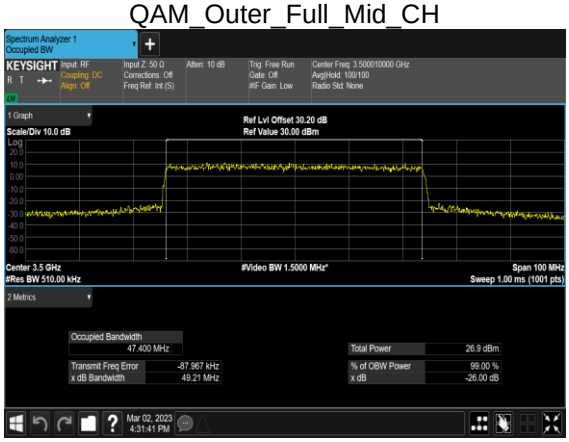
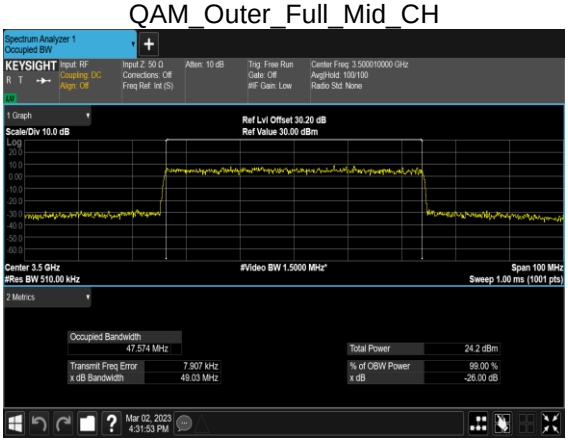
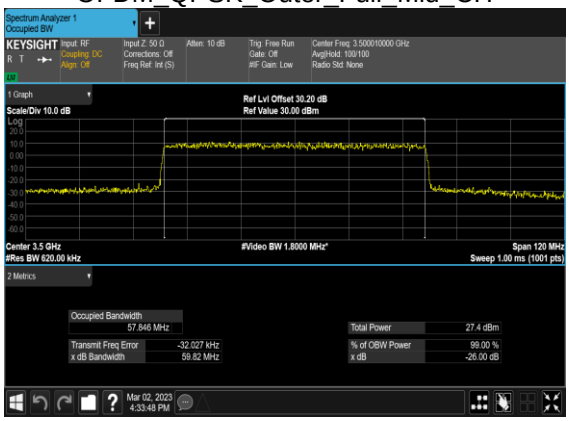


N77(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



N77(60M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



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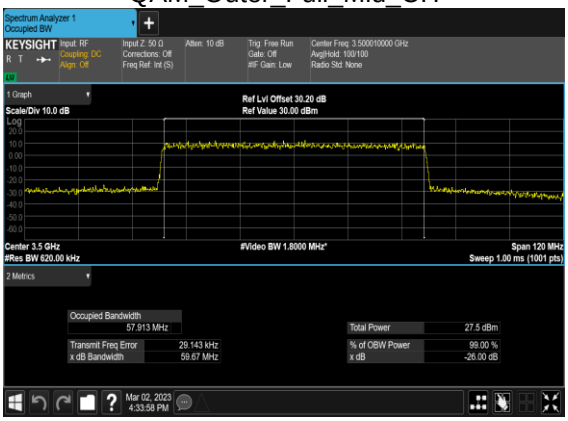
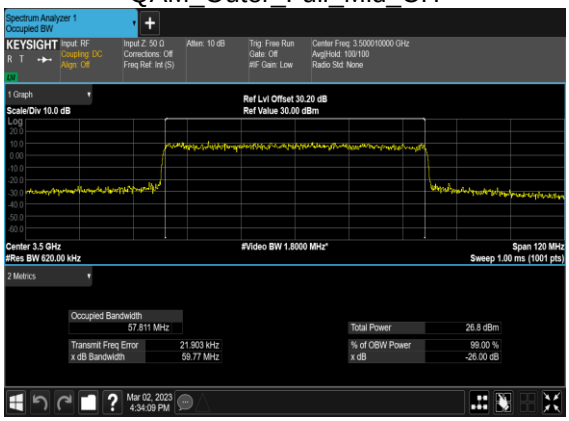
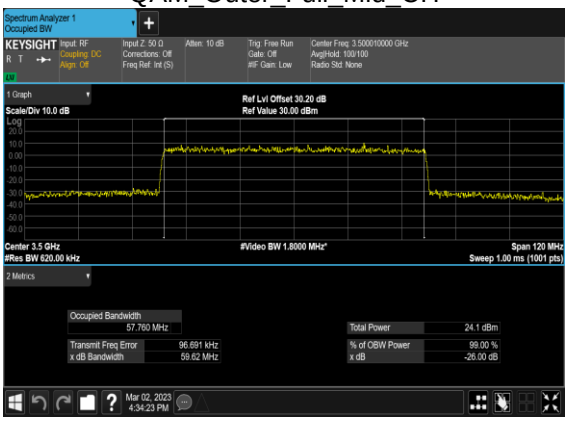


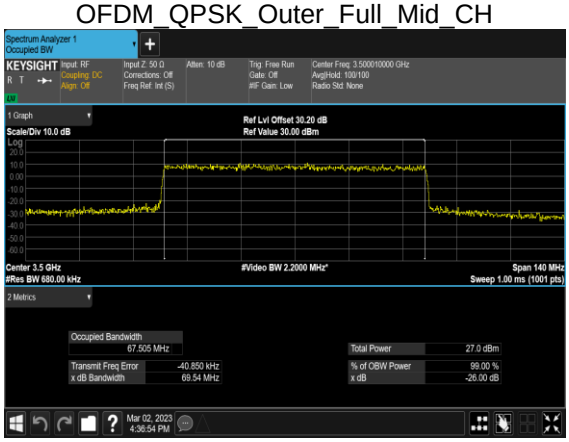
N77(60M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



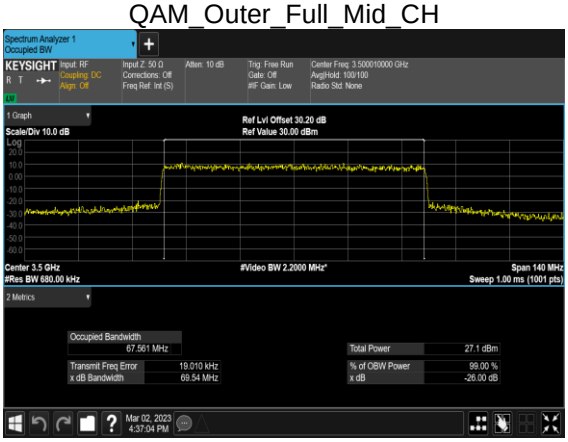
N77(60M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



N77(70M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

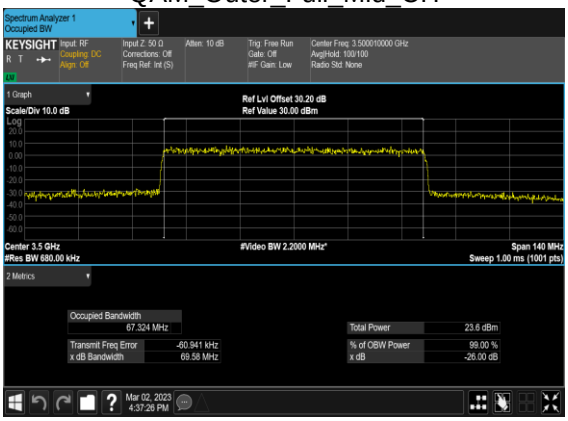


N77(70M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

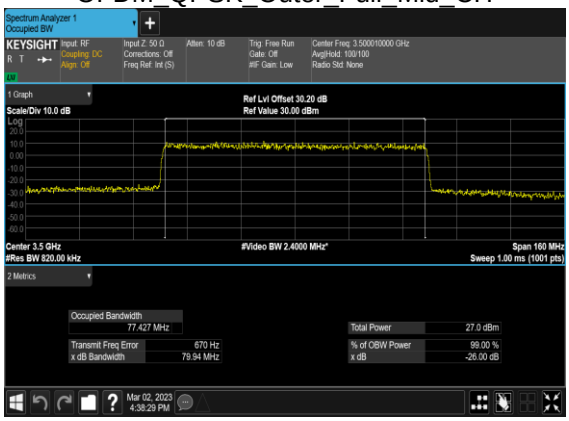


N77(70M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

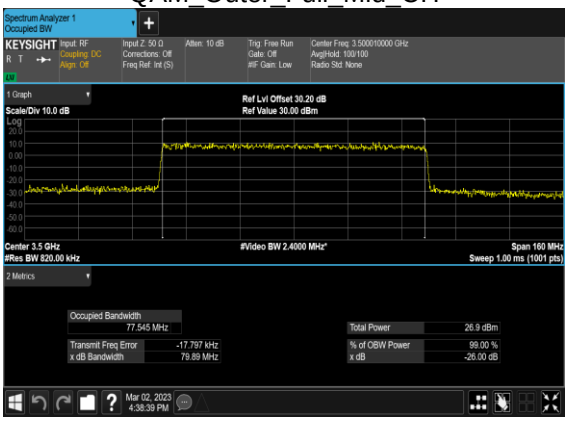
N77(70M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



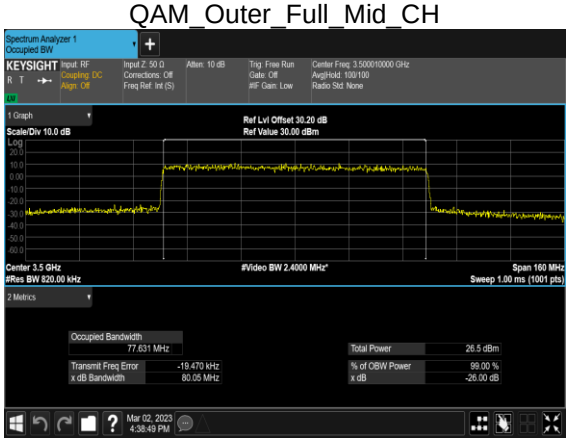
N77(80M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



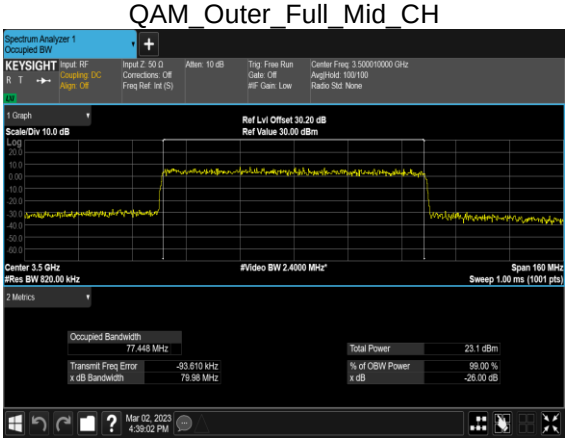
N77(80M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



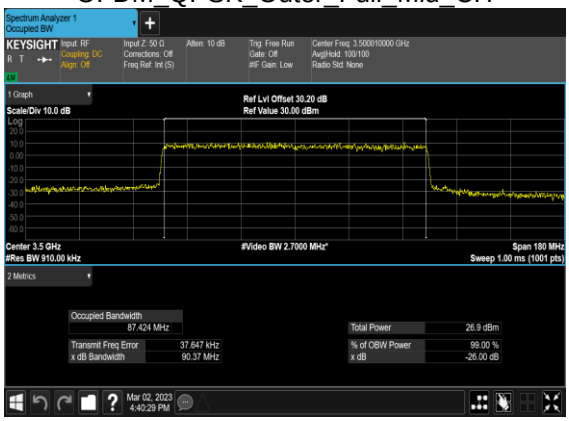
N77(80M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



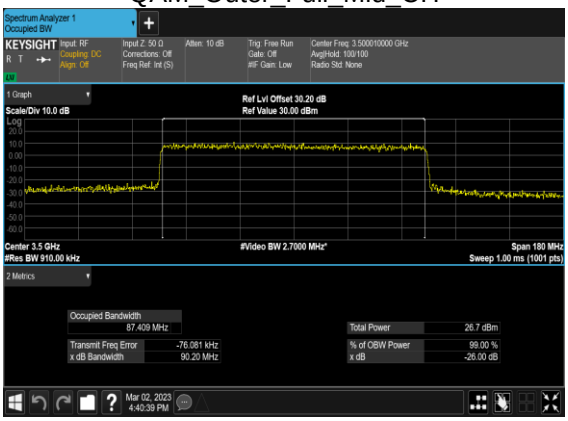
N77(80M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



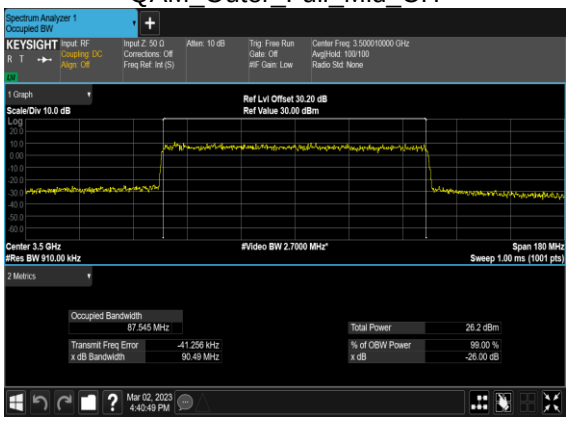
N77(90M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



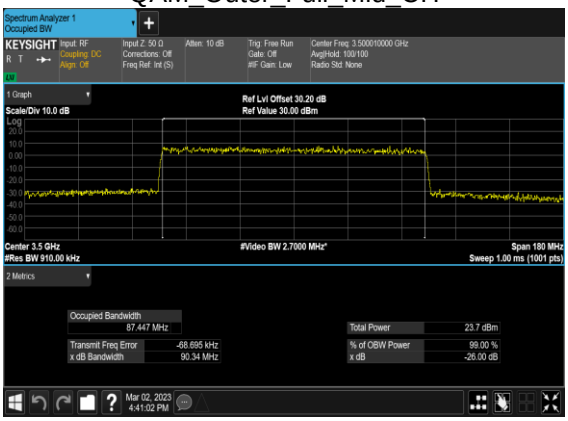
N77(90M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



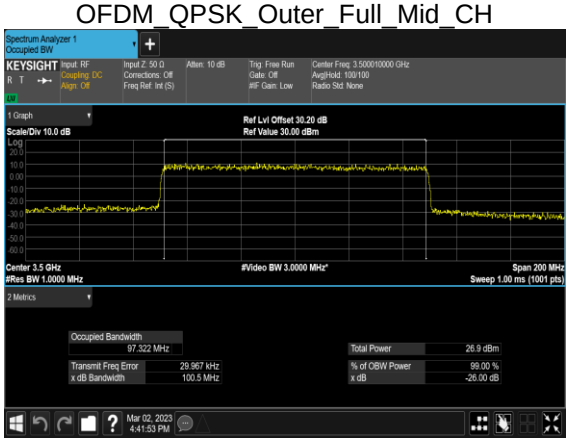
N77(90M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



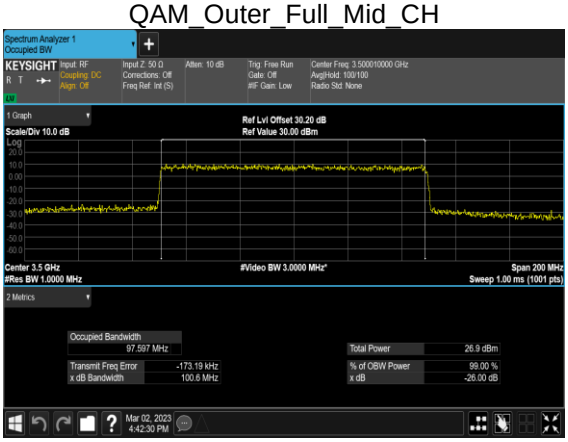
N77(90M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



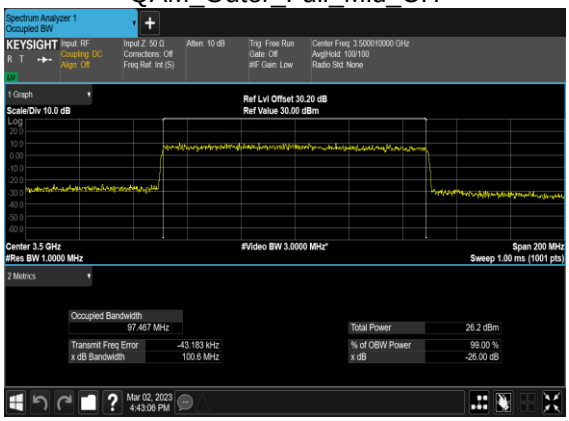
N77(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



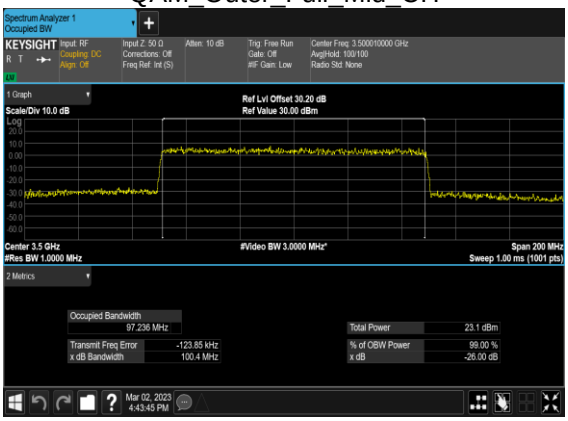
N77(100M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

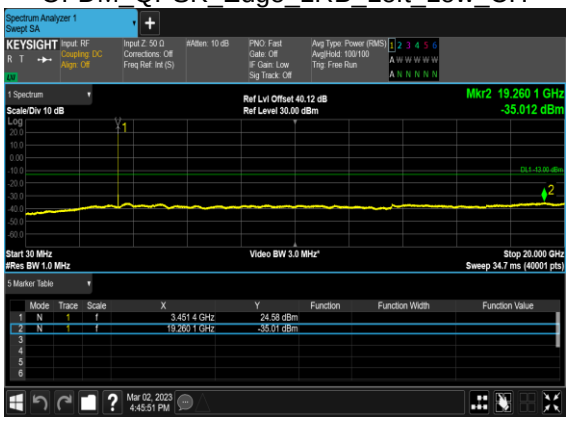


Conducted Spurious Emissions

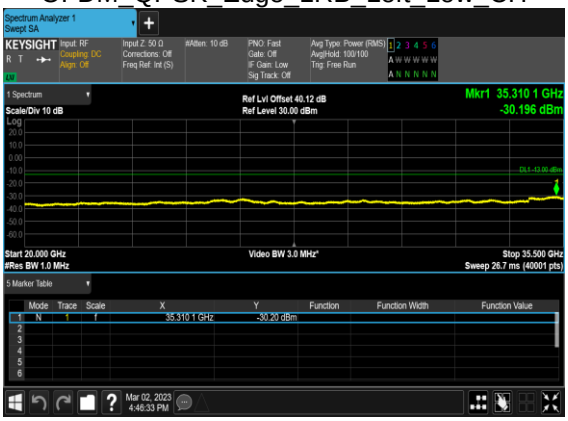
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	20	630668	3460.02	CP-OFDM QPSK	1@0	see graph	**---**
77	30	20	630668	3460.02	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	20	630668	3460.02	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	20	630668	3460.02	CP-OFDM 16 QAM	1@0	see graph	**---**
77	30	20	630668	3460.02	CP-OFDM 16 QAM	1@0	see graph	**PASS**
77	30	20	630668	3460.02	CP-OFDM 16 QAM	1@0	see graph	**PASS**
77	30	20	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**---**
77	30	20	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	20	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	20	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	**---**
77	30	20	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	**PASS**
77	30	20	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	**PASS**
77	30	20	636000	3540.0	CP-OFDM QPSK	1@0	see graph	**---**
77	30	20	636000	3540.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	20	636000	3540.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	20	636000	3540.0	CP-OFDM 16 QAM	1@0	see graph	**---**
77	30	20	636000	3540.0	CP-OFDM 16 QAM	1@0	see graph	**PASS**
77	30	20	636000	3540.0	CP-OFDM 16 QAM	1@0	see graph	**PASS**
77	30	60	632000	3480.0	CP-OFDM QPSK	1@0	see graph	**---**
77	30	60	632000	3480.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	60	632000	3480.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	60	632000	3480.0	CP-OFDM 16 QAM	1@0	see graph	**---**
77	30	60	632000	3480.0	CP-OFDM 16 QAM	1@0	see graph	**PASS**

77	30	60	632000	3480.0	CP-OFDM 16 QAM	1@0	see graph	**PASS**
77	30	60	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**---**
77	30	60	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	60	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	60	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	**---**
77	30	60	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	**PASS**
77	30	60	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	**PASS**
77	30	60	634666	3519.99	CP-OFDM QPSK	1@0	see graph	**---**
77	30	60	634666	3519.99	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	60	634666	3519.99	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	60	634666	3519.99	CP-OFDM 16 QAM	1@0	see graph	**---**
77	30	60	634666	3519.99	CP-OFDM 16 QAM	1@0	see graph	**PASS**
77	30	60	634666	3519.99	CP-OFDM 16 QAM	1@0	see graph	**PASS**
77	30	100	633334	3500.01	CP-OFDM QPSK	1@0	see graph	**---**
77	30	100	633334	3500.01	CP-OFDM QPSK	1@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 16 QAM	1@0	see graph	**---**
77	30	100	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	**PASS**
77	30	100	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	**PASS**

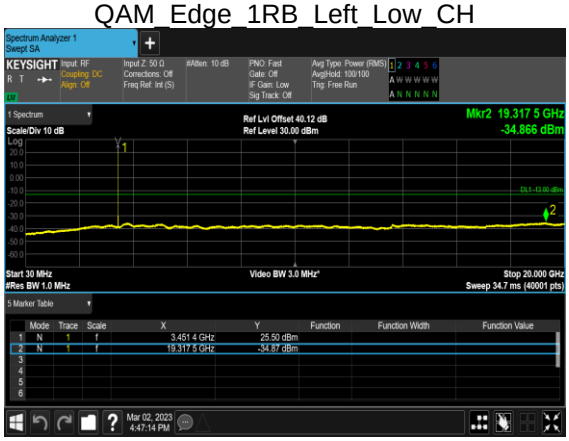
N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



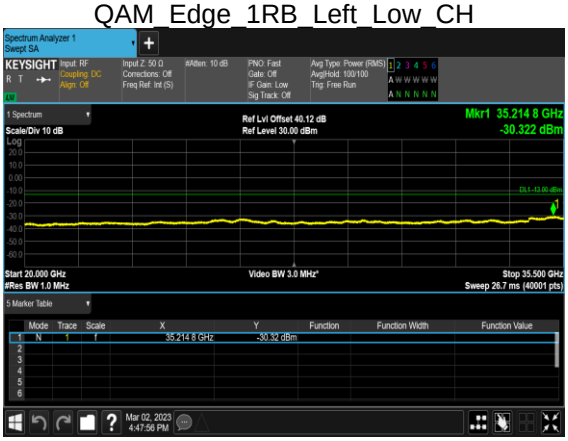
N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



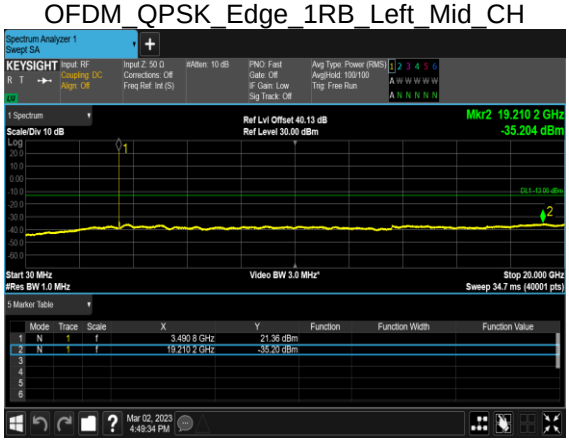
N77(20M)_CP-OFDM_16 QAM_Edge_1RB_Left_Low_CH



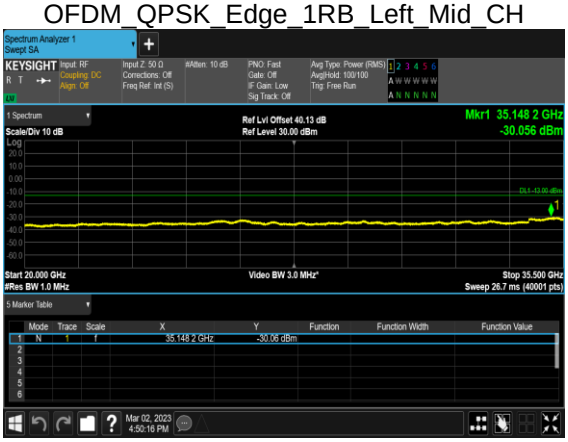
N77(20M)_CP-OFDM_16 QAM_Edge_1RB_Left_Low_CH



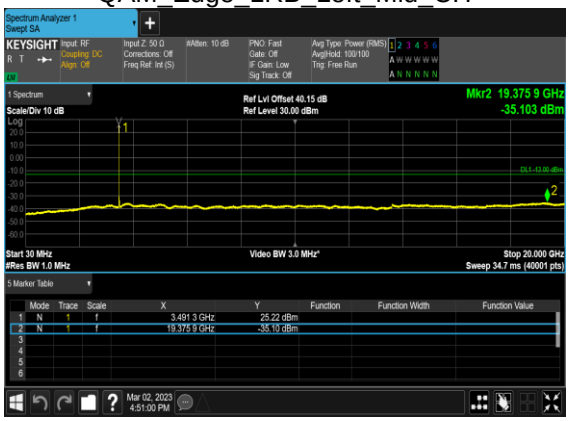
N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



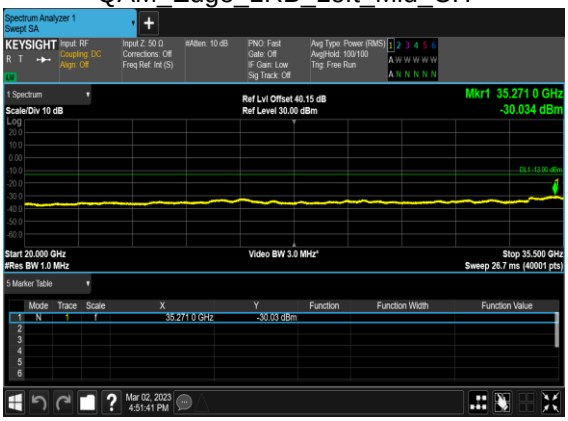
N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



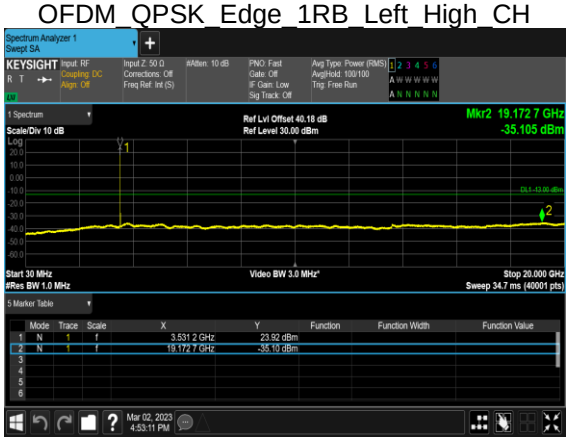
N77(20M)_CP-OFDM_16 QAM_Edge_1RB_Left_Mid_CH



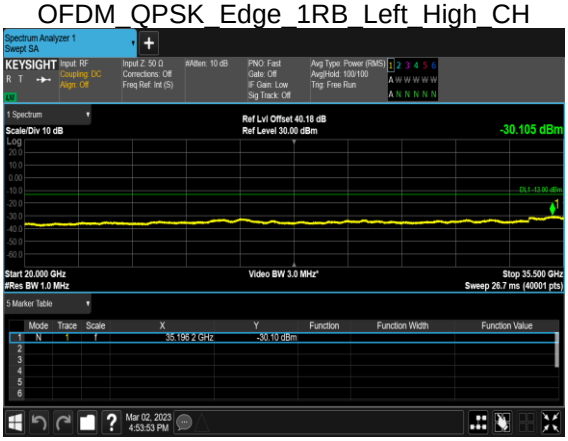
N77(20M)_CP-OFDM_16 QAM_Edge_1RB_Left_Mid_CH



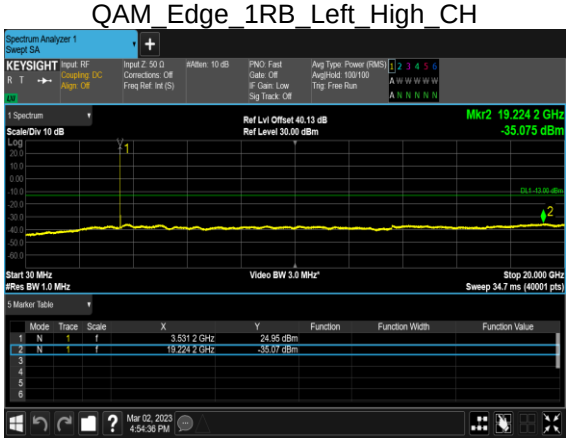
N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



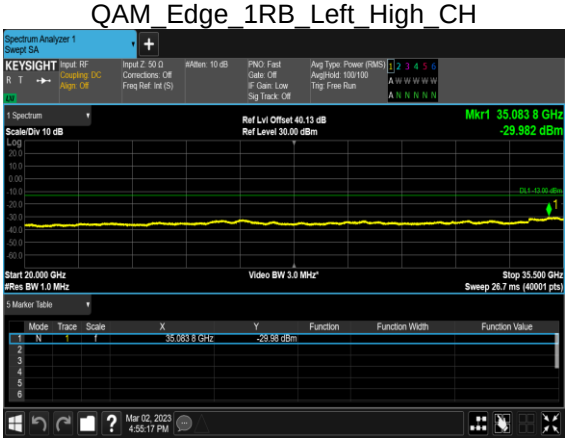
N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



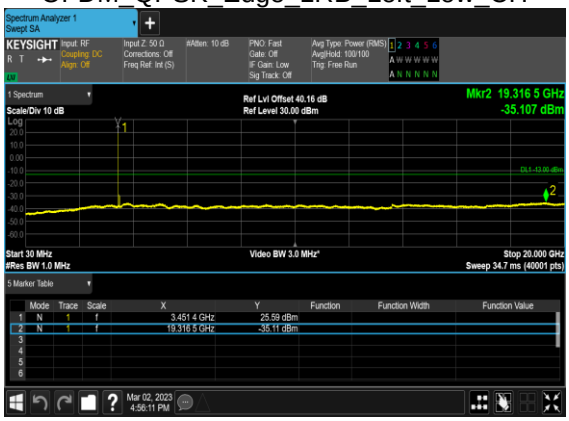
N77(20M)_CP-OFDM_16 QAM_Edge_1RB_Left_High_CH



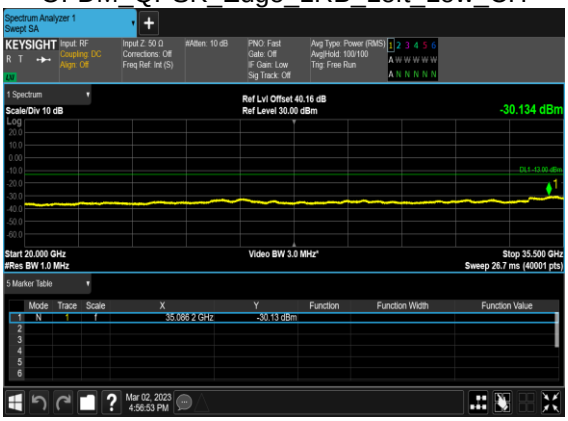
N77(20M)_CP-OFDM_16 QAM_Edge_1RB_Left_High_CH



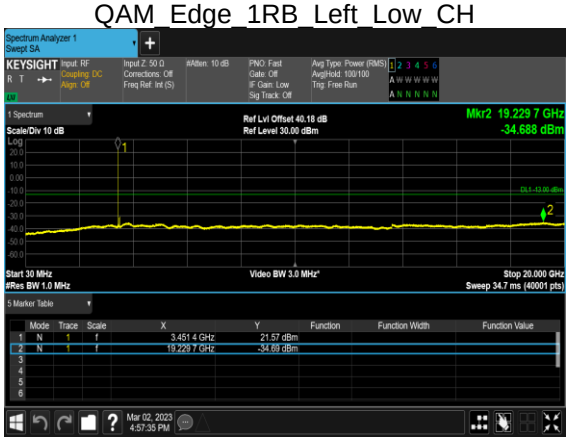
N77(60M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



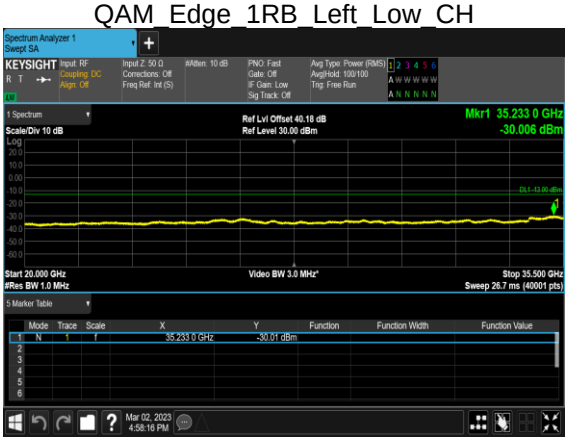
N77(60M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



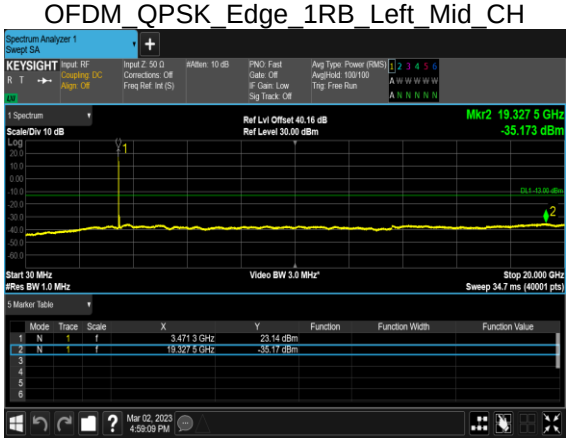
N77(60M)_CP-OFDM_16 QAM_Edge_1RB_Left_Low_CH



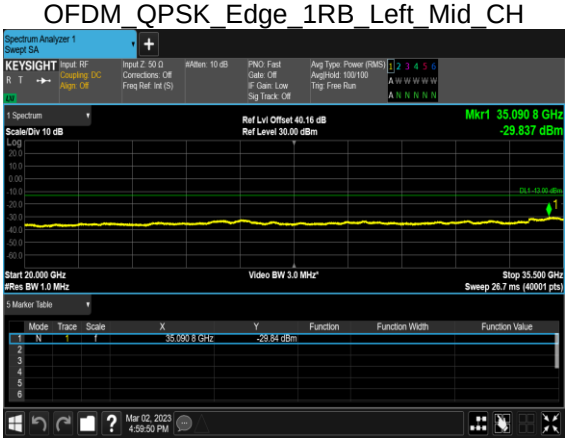
N77(60M)_CP-OFDM_16 QAM_Edge_1RB_Left_Low_CH



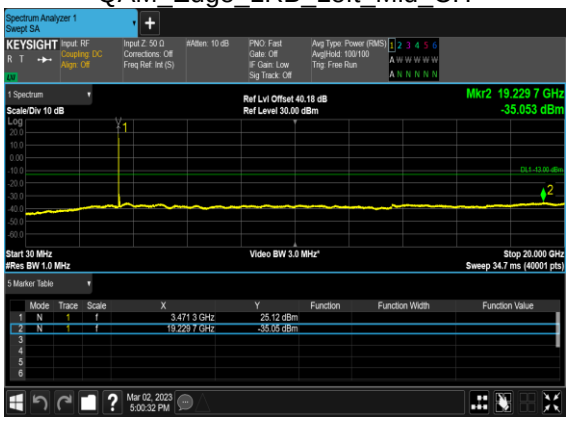
N77(60M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



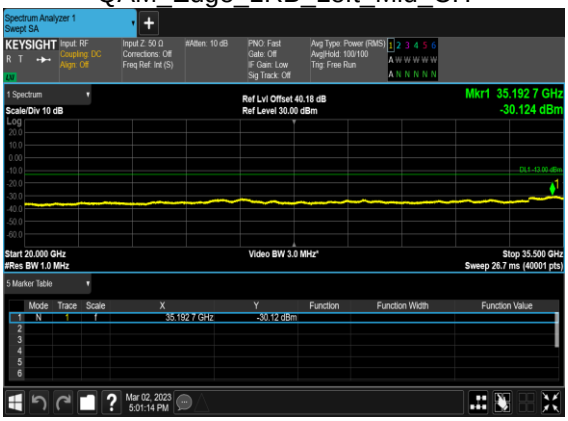
N77(60M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



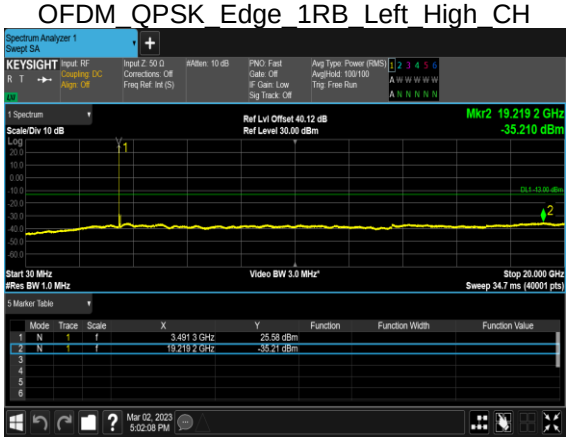
N77(60M)_CP-OFDM_16 QAM_Edge_1RB_Left_Mid_CH



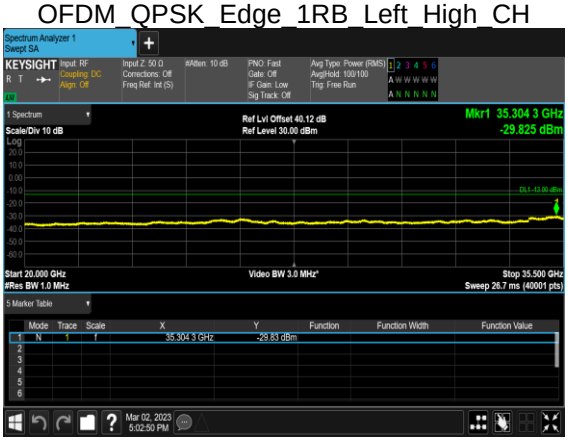
N77(60M)_CP-OFDM_16 QAM_Edge_1RB_Left_Mid_CH



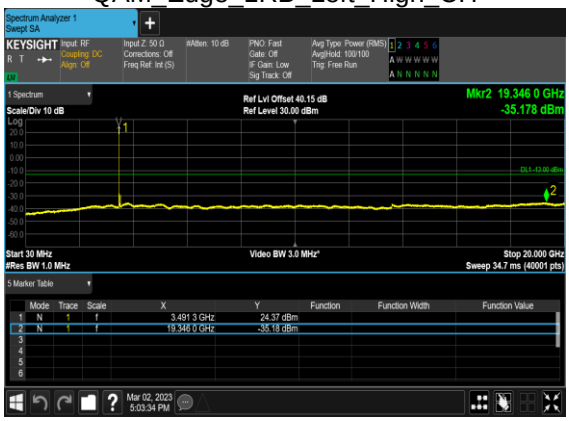
N77(60M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



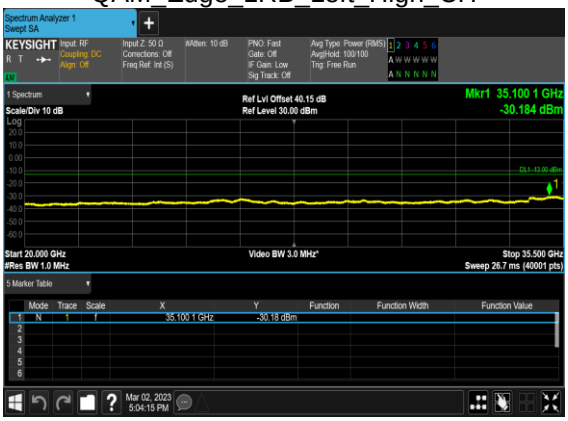
N77(60M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



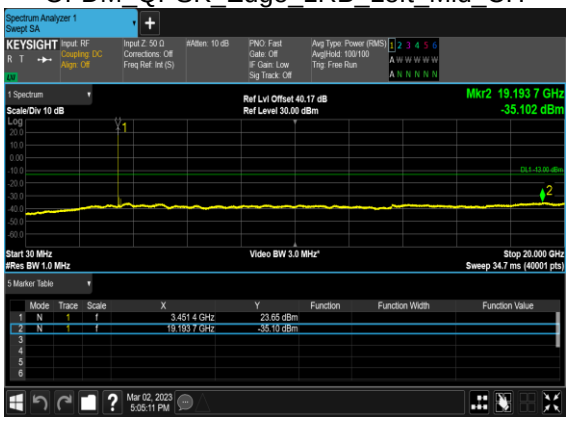
N77(60M)_CP-OFDM_16 QAM_Edge_1RB_Left_High_CH



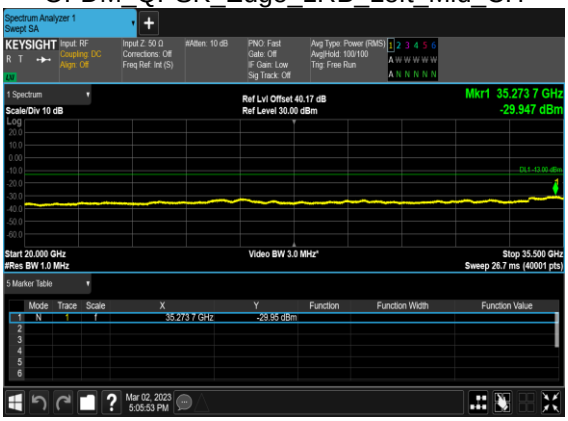
N77(60M)_CP-OFDM_16 QAM_Edge_1RB_Left_High_CH



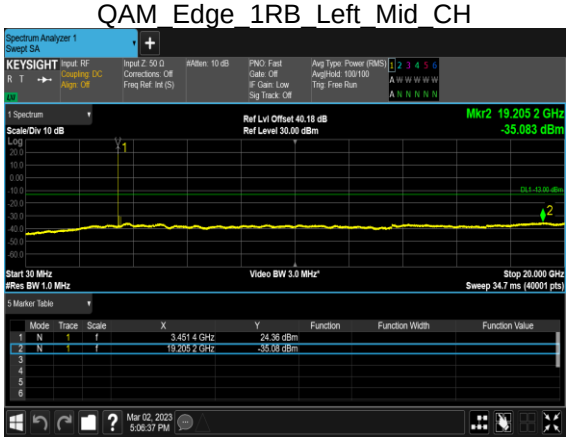
N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



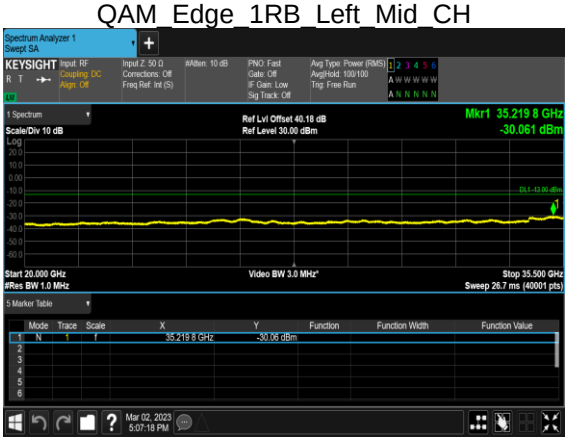
N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(100M)_CP-OFDM_16QAM_Edge_1RB_Left_Mid_CH



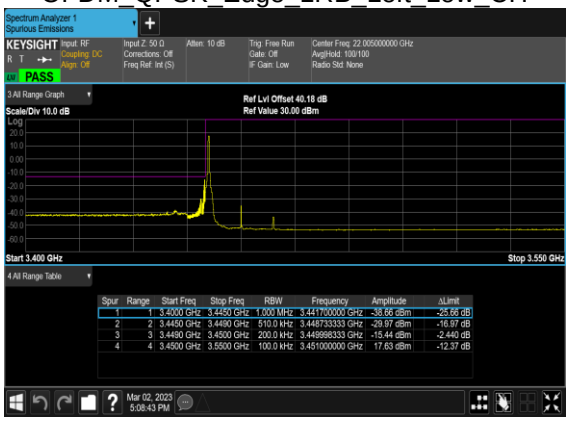
N77(100M)_CP-OFDM_16QAM_Edge_1RB_Left_Mid_CH



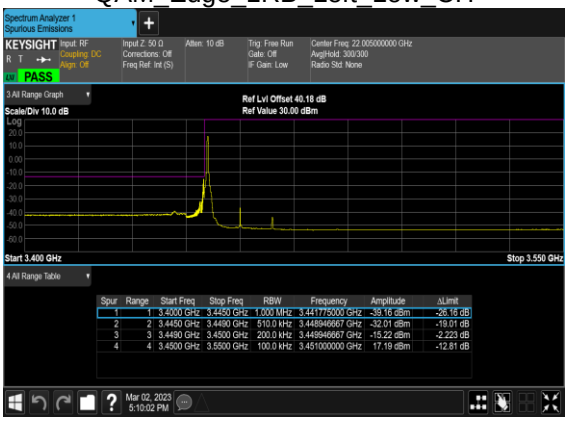
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	20	630668	3460.02	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	20	630668	3460.02	CP-OFDM 16 QAM	1@0	see graph	**PASS**
77	30	20	630668	3460.02	CP-OFDM QPSK	51@0	see graph	**PASS**
77	30	20	630668	3460.02	CP-OFDM 16 QAM	51@0	see graph	**PASS**
77	30	20	636000	3540.0	CP-OFDM QPSK	1@50	see graph	**PASS**
77	30	20	636000	3540.0	CP-OFDM 16 QAM	1@50	see graph	**PASS**
77	30	20	636000	3540.0	CP-OFDM QPSK	51@0	see graph	**PASS**
77	30	20	636000	3540.0	CP-OFDM 16 QAM	51@0	see graph	**PASS**
77	30	60	632000	3480.0	CP-OFDM QPSK	1@0	see graph	**PASS**
77	30	60	632000	3480.0	CP-OFDM 16 QAM	1@0	see graph	**PASS**
77	30	60	632000	3480.0	CP-OFDM QPSK	162@0	see graph	**PASS**
77	30	60	632000	3480.0	CP-OFDM 16 QAM	162@0	see graph	**PASS**
77	30	60	634666	3519.99	CP-OFDM QPSK	1@161	see graph	**PASS**
77	30	60	634666	3519.99	CP-OFDM 16 QAM	1@161	see graph	**PASS**
77	30	60	634666	3519.99	CP-OFDM QPSK	162@0	see graph	**PASS**
77	30	60	634666	3519.99	CP-OFDM 16 QAM	162@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 16 QAM	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 16 QAM	1@272	see graph	**PASS**
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	see graph	**PASS**
77	30	100	633334	3500.01	CP-OFDM 16 QAM	273@0	see graph	**PASS**

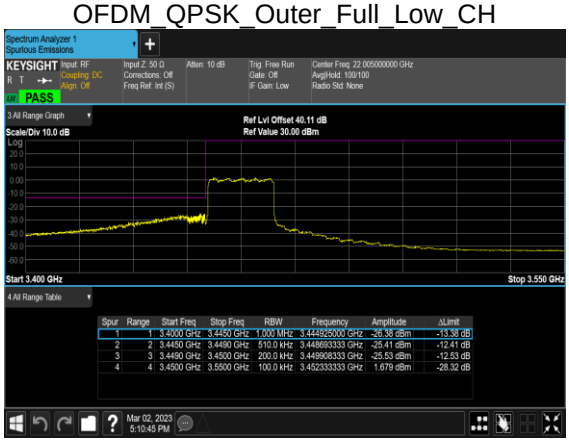
N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



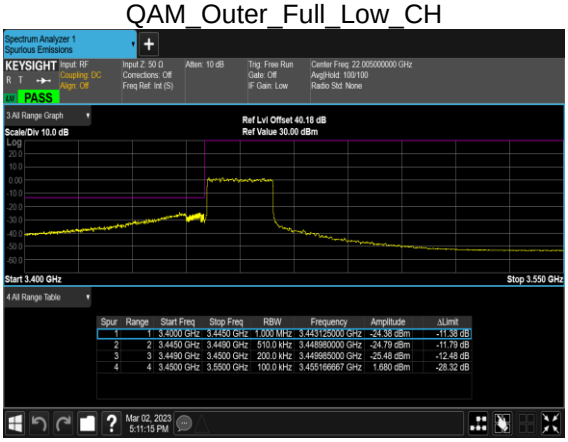
N77(20M)_CP-OFDM_16QAM_Edge_1RB_Left_Low_CH



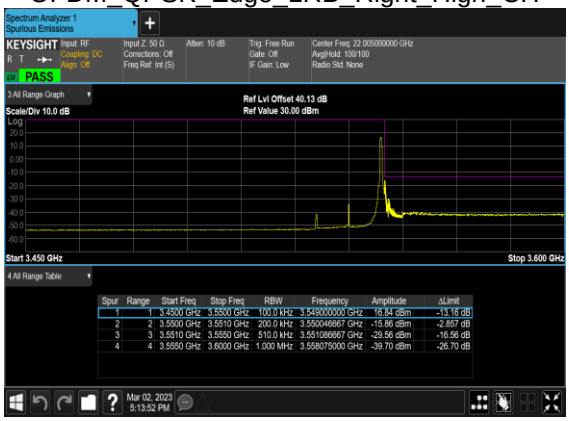
N77(20M)_CP-OFDM_QPSK_Outer_Full_Low_CH



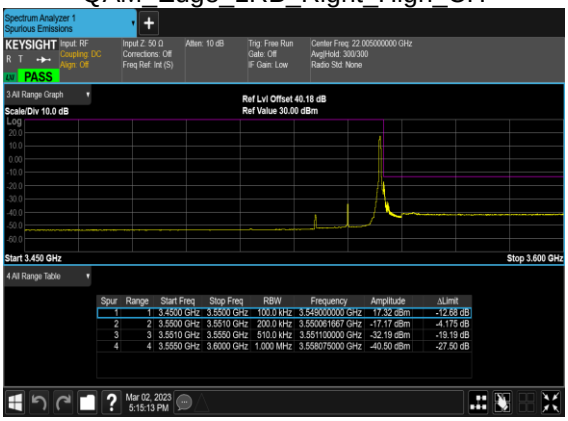
N77(20M)_CP-OFDM_16QAM_Outer_Full_Low_CH



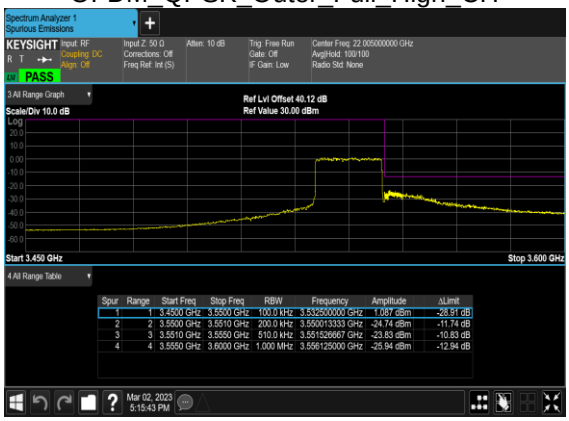
N77(20M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH



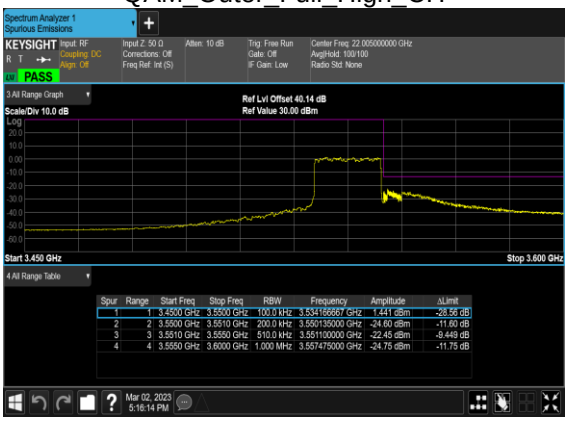
N77(20M)_CP-OFDM_16QAM_Edge_1RB_Right_High_CH



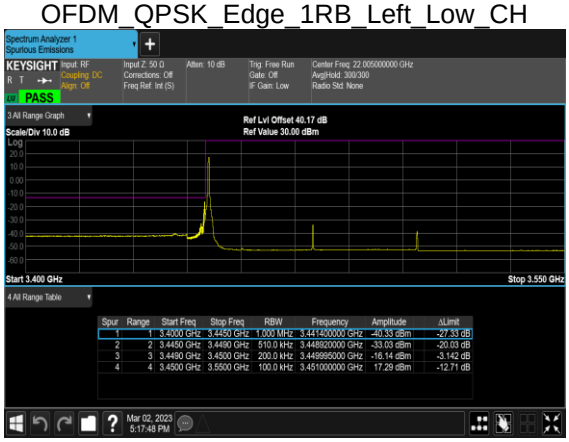
N77(20M)_CP-OFDM_QPSK_Outer_Full_High_CH



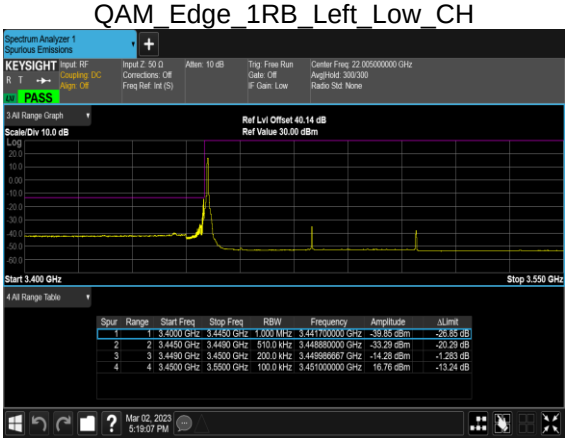
N77(20M)_CP-OFDM_16QAM_Outer_Full_High_CH



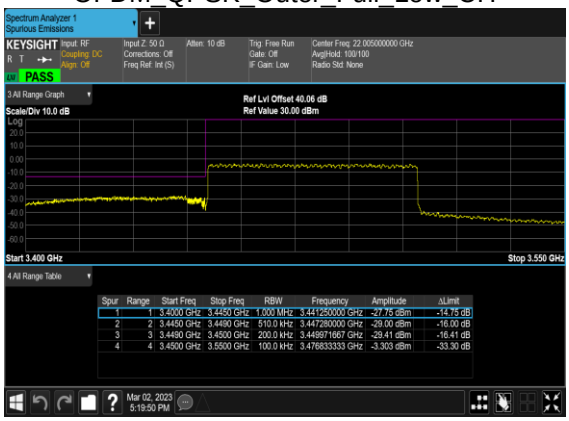
N77(60M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



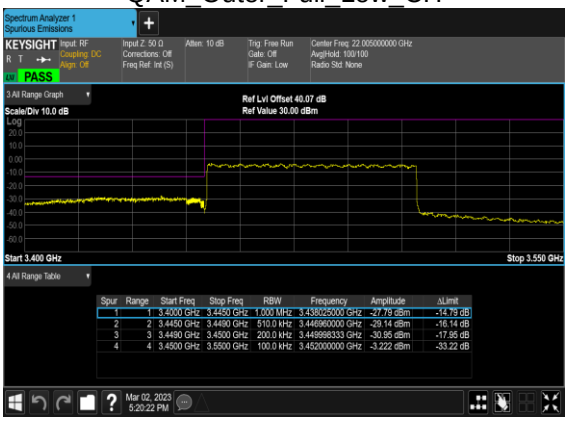
N77(60M)_CP-OFDM_16QAM_Edge_1RB_Left_Low_CH



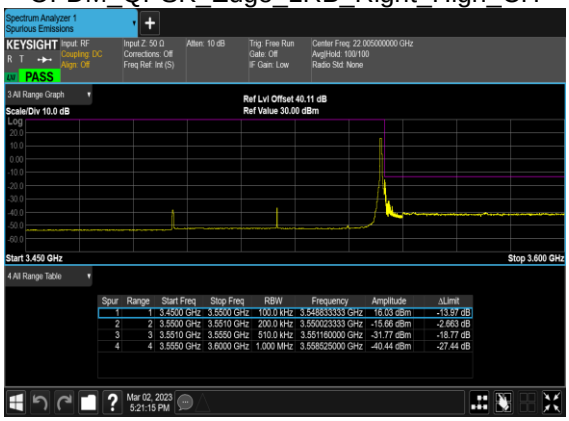
N77(60M)_CP-OFDM_QPSK_Outer_Full_Low_CH



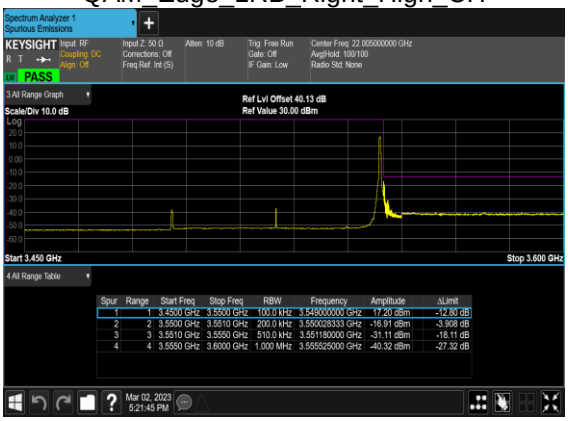
N77(60M)_CP-OFDM_16QAM_Outer_Full_Low_CH



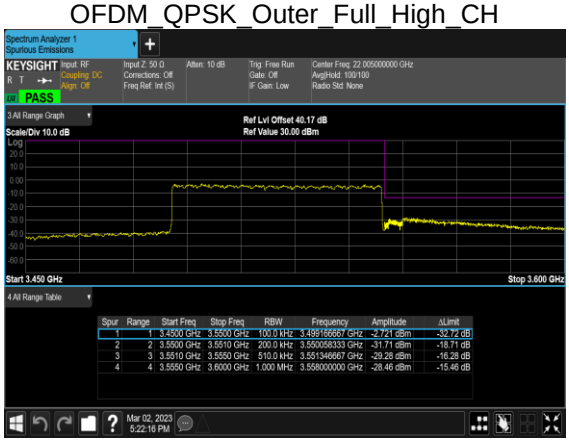
N77(60M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH



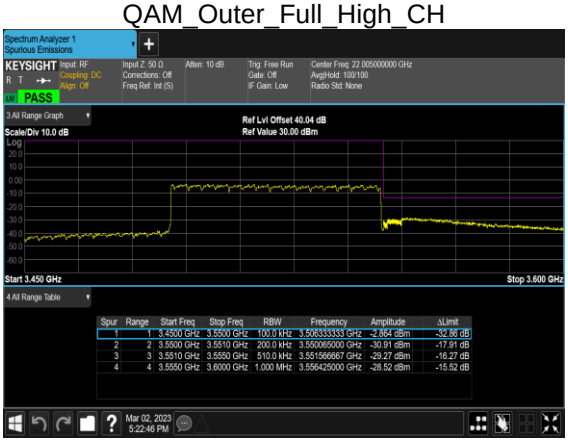
N77(60M)_CP-OFDM_16QAM_Edge_1RB_Right_High_CH



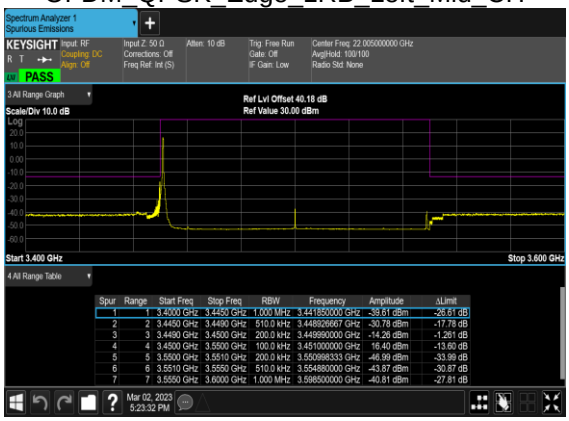
N77(60M)_CP-OFDM_QPSK_Outer_Full_High_CH



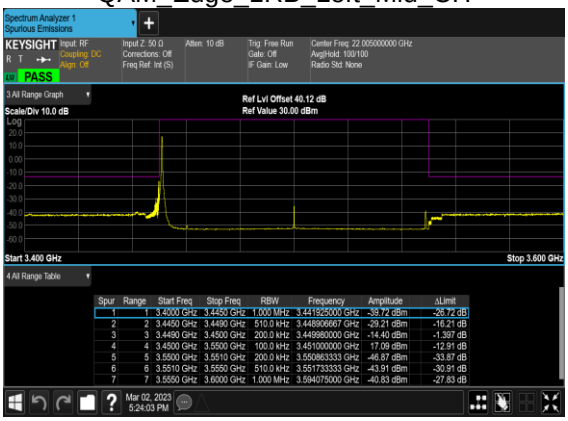
N77(60M)_CP-OFDM_16QAM_Outer_Full_High_CH



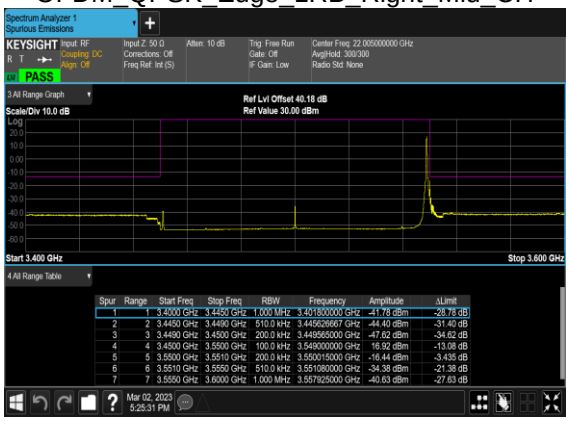
N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



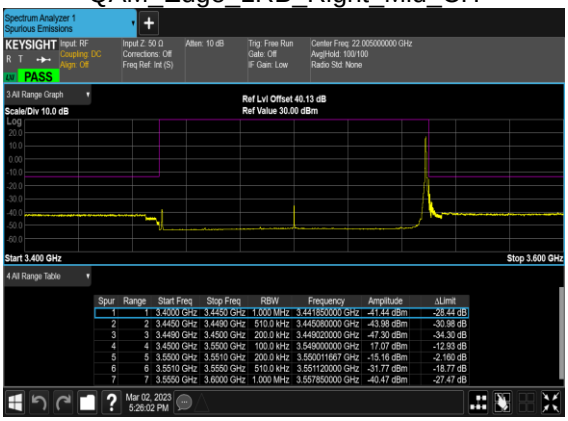
N77(100M)_CP-OFDM_16QAM_Edge_1RB_Left_Mid_CH



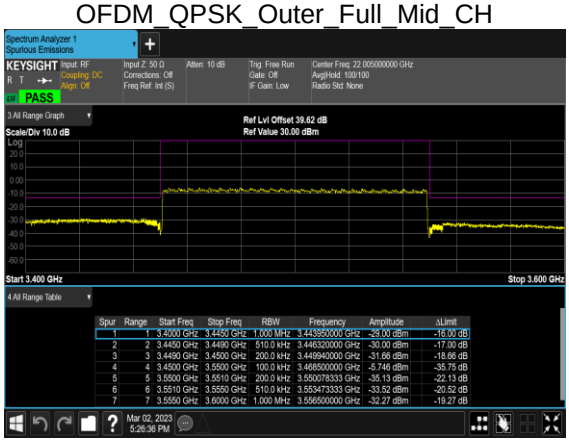
N77(100M)_CP-OFDM_QPSK_Edge_1RB_Right_Mid_CH



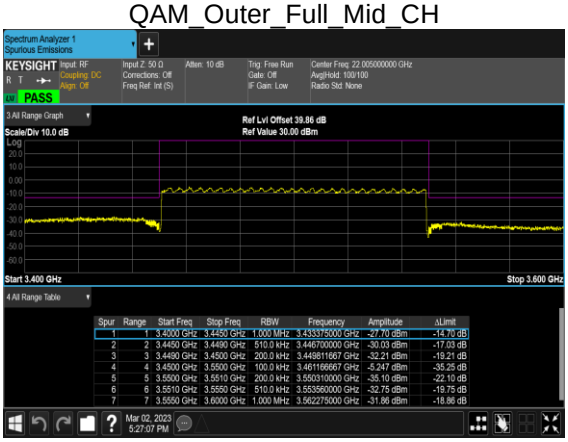
N77(100M)_CP-OFDM_16QAM_Edge_1RB_Right_Mid_CH



N77(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



Software Version: 23.02.011001

FR1 N78(ANT5+ANT1)

Transmitter Conducted Output Power and EIRP, (G_T-L_C)=-1.07dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	ANT5 Power (dBm)	ANT1 Power (dBm)	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
78	30	20	630668	3460.02	CP-OFDM QPSK	1@1	21.29	21.65	24.44	23.37	0.2173
78	30	20	633334	3500.01	CP-OFDM QPSK	1@1	20.98	21.96	24.47	23.4	0.2188
78	30	20	636000	3540	CP-OFDM QPSK	1@1	20.9	21.37	24.08	23.01	0.2000
78	30	30	631000	3465	CP-OFDM QPSK	1@1	21.33	21.74	24.48	23.41	0.2193
78	30	30	633334	3500.01	CP-OFDM QPSK	1@1	21	22.07	24.48	23.41	0.2193
78	30	30	635666	3534.99	CP-OFDM QPSK	1@1	20.83	21.6	24.29	23.22	0.2099
78	30	40	631334	3534.99	CP-OFDM QPSK	1@1	20.94	21.9	24.41	23.34	0.2158
78	30	40	633334	3500.01	CP-OFDM QPSK	1@1	20.51	21.46	24.08	23.01	0.2000
78	30	40	635332	3529.98	CP-OFDM QPSK	1@1	20.99	22.04	24.51	23.44	0.2208
78	30	50	631668	3475.02	CP-OFDM QPSK	1@1	21.03	21.44	24.38	23.31	0.2143
78	30	50	633334	3500.01	CP-OFDM QPSK	1@1	20.76	21.68	24.29	23.22	0.2099
78	30	50	635000	3525	CP-OFDM QPSK	1@1	20.77	21.79	24.34	23.27	0.2123
78	30	60	632000	3480	CP-OFDM QPSK	1@1	21.19	21.59	24.34	23.27	0.2123
78	30	60	633334	3500.01	CP-OFDM QPSK	1@1	20.97	21.56	24.27	23.2	0.2089
78	30	60	634666	3519.99	CP-OFDM QPSK	1@1	20.9	21.9	24.38	23.31	0.2143
78	30	70	632334	3485.01	CP-OFDM QPSK	1@1	21.09	21.35	24.25	23.18	0.2080
78	30	70	633334	3500.01	CP-OFDM QPSK	1@1	20.86	21.38	24.26	23.19	0.2084
78	30	70	634332	3514.98	CP-OFDM QPSK	1@1	20.75	21.76	24.39	23.32	0.2148
78	30	80	632668	3490.02	CP-OFDM QPSK	1@1	21.02	21.33	24.32	23.25	0.2113
78	30	80	633334	3500.01	CP-OFDM QPSK	1@1	20.89	21.32	24.27	23.2	0.2089
78	30	80	634000	3510	CP-OFDM QPSK	1@1	20.8	21.55	24.32	23.25	0.2113
78	30	90	633000	3495	CP-OFDM QPSK	1@1	20.97	21.31	24.27	23.2	0.2089
78	30	90	633334	3500.01	CP-OFDM QPSK	1@1	20.97	21.38	24.11	23.04	0.2014
78	30	90	633666	3504.99	CP-OFDM QPSK	1@1	20.99	21.45	24.17	23.1	0.2042
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	20.51	21.46	24.08	23.01	0.2000
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	20.95	22.05	24.56	23.49	0.2234
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	20.26	20.79	23.55	22.48	0.1770
78	30	100	633334	3500.01	CP-OFDM 16 QAM	137@68	20.12	21.04	23.59	22.52	0.1786
78	30	100	633334	3500.01	CP-OFDM 16 QAM	1@1	20.67	20.94	23.74	22.67	0.1849
78	30	100	633334	3500.01	CP-OFDM 16 QAM	1@271	19.97	20.21	23.08	22.01	0.1589
78	30	100	633334	3500.01	CP-OFDM 64 QAM	137@68	18.62	19.48	22.09	21.02	0.1265
78	30	100	633334	3500.01	CP-OFDM 64 QAM	1@1	18.86	19.4	22.14	21.07	0.1279
78	30	100	633334	3500.01	CP-OFDM 64 QAM	1@271	18.18	18.75	21.48	20.41	0.1099
78	30	100	633334	3500.01	CP-OFDM 256 QAM	137@68	15.57	16.53	19.09	18.02	0.0634
78	30	100	633334	3500.01	CP-OFDM 256 QAM	1@1	15.74	16.49	19.12	18.05	0.0638
78	30	100	633334	3500.01	CP-OFDM 256 QAM	1@271	15.02	15.79	18.44	17.37	0.0546

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Carry Xu	Temperature :	23~25℃
		Relative Humidity :	41~42%

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

Sample 1 with Battery 1 :

SA n77 / NR 100MHz / QPSK / ANT5								
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	6900	-40.80	-13	-27.80	-51.01	3.03	13.24	H
	10356	-49.44	-13	-36.44	-58.89	3.56	13.01	H
	13806	-53.78	-13	-40.78	-63.30	3.92	13.44	H
	6900	-36.24	-13	-23.24	-46.45	3.03	13.24	V
	10356	-49.54	-13	-36.54	-58.99	3.56	13.01	V
	13806	-55.54	-13	-42.54	-65.06	3.92	13.44	V

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

EN-DC_41A_n77A / LTE 20MHz + NR 100MHz / QPSK / ANT2 (LTE) & ANT5(NR)								
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	6900	-47.25	-13	-34.25	-57.46	3.03	13.24	H
	10356	-53.69	-13	-40.69	-63.14	3.56	13.01	H
	13806	-56.80	-13	-43.80	-66.32	3.92	13.44	H
	6900	-43.27	-13	-30.27	-53.48	3.03	13.24	V
	10356	-55.35	-13	-42.35	-64.80	3.56	13.01	V
	13806	-58.88	-13	-45.88	-68.40	3.92	13.44	V

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

SA n77 UL_MIMO / NR 100MHz / QPSK / ANT5+1(NR)								
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	6900	-44.54	-13	-31.54	-54.75	3.03	13.24	H
	10356	-56.07	-13	-43.07	-65.52	3.56	13.01	H
	13806	-57.46	-13	-44.46	-66.98	3.92	13.44	H
	6900	-37.41	-13	-24.41	-47.62	3.03	13.24	V
	10356	-53.75	-13	-40.75	-63.20	3.56	13.01	V
	13806	-58.15	-13	-45.15	-67.67	3.92	13.44	V

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

Sample 1 with Battery 2 :

SA n77 / NR 100MHz / QPSK / ANT5								
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	6900	-45.74	-13	-32.74	-55.95	3.03	13.24	H
	10356	-52.51	-13	-39.51	-61.96	3.56	13.01	H
	13806	-58.99	-13	-45.99	-68.51	3.92	13.44	H
	6900	-43.47	-13	-30.47	-53.68	3.03	13.24	V
	10356	-52.91	-13	-39.91	-62.36	3.56	13.01	V
	13806	-55.65	-13	-42.65	-65.17	3.92	13.44	V

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

Sample 1 with Battery 3 :

SA n77 / NR 100MHz / QPSK / ANT5								
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	6900	-43.43	-13	-30.43	-53.64	3.03	13.24	H
	10356	-50.40	-13	-37.40	-59.85	3.56	13.01	H
	13800	-55.13	-13	-42.13	-64.65	3.92	13.44	H
	6900	-36.56	-13	-23.56	-46.77	3.03	13.24	V
	10356	-50.42	-13	-37.42	-59.87	3.56	13.01	V
	13800	-54.97	-13	-41.97	-64.49	3.92	13.44	V

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

Sample 2

SA n77 / NR 100MHz / QPSK / ANT5								
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	6900	-48.06	-13	-35.06	-58.27	3.03	13.24	H
	10356	-58.31	-13	-45.31	-67.76	3.56	13.01	H
	13824	-60.67	-13	-47.67	-70.19	3.92	13.44	H
	6900	-41.06	-13	-28.06	-51.27	3.03	13.24	V
	10356	-53.21	-13	-40.21	-62.66	3.56	13.01	V
	13824	-60.56	-13	-47.56	-70.08	3.92	13.44	V

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