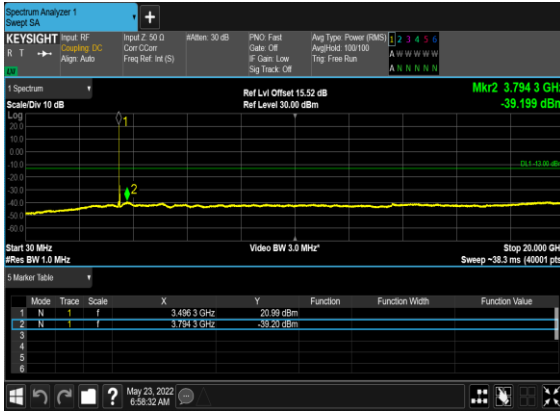
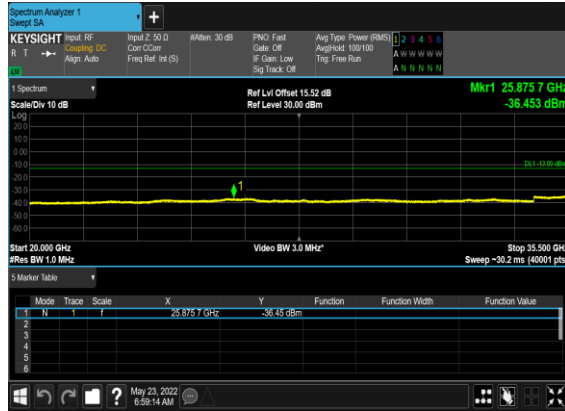


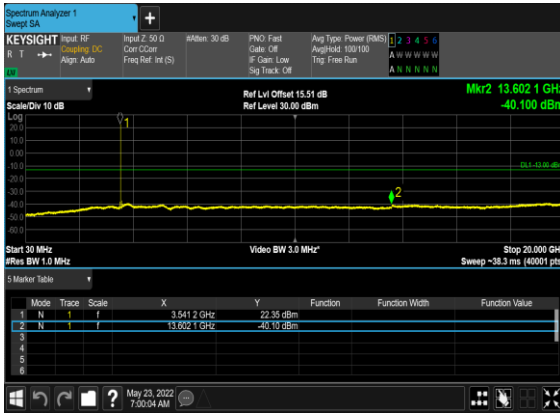
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



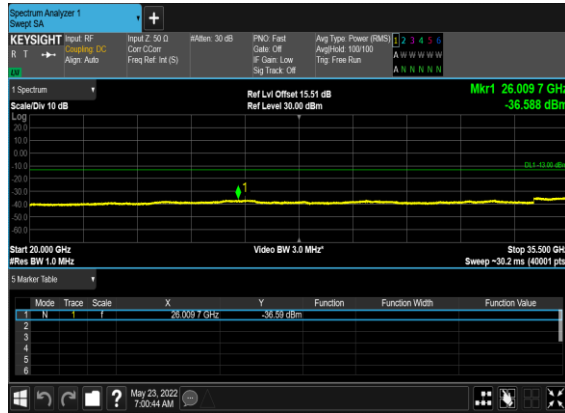
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



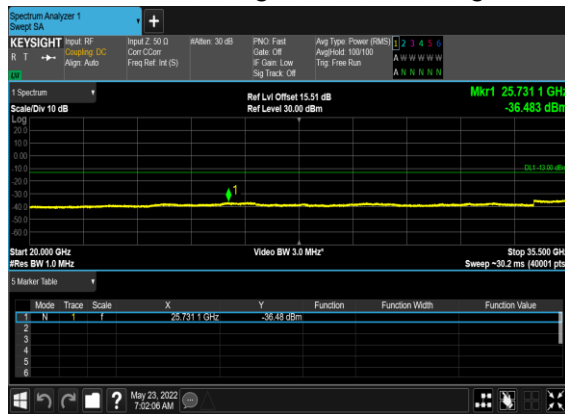
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



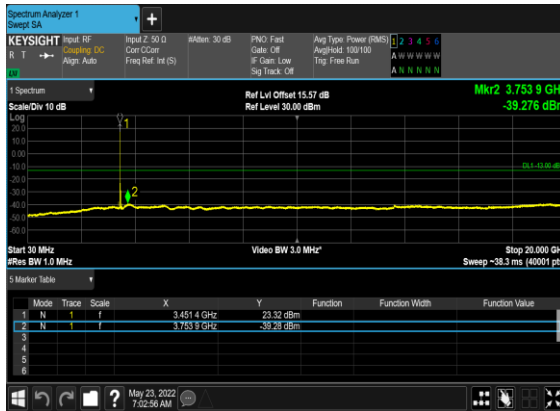
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



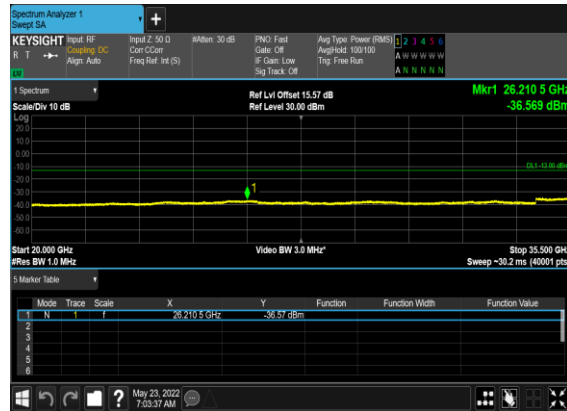
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



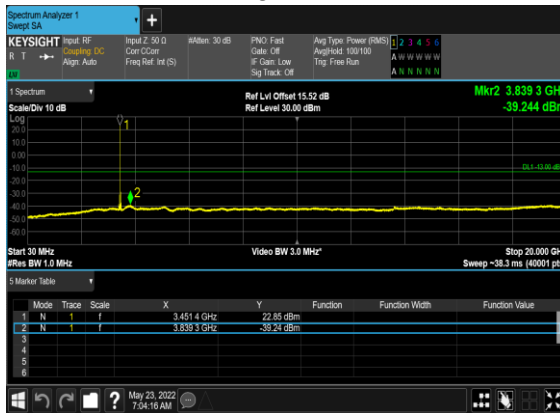
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



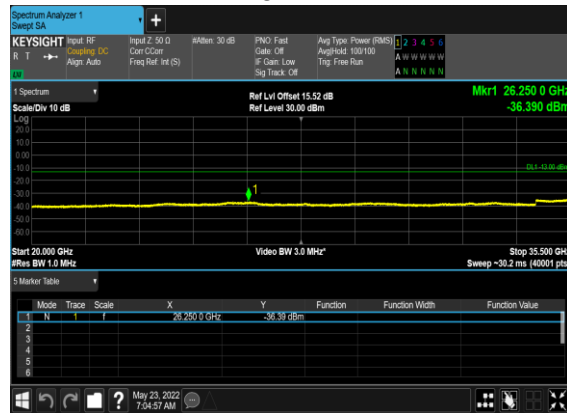
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



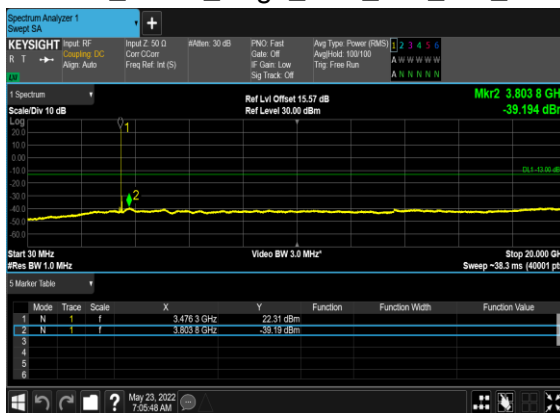
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



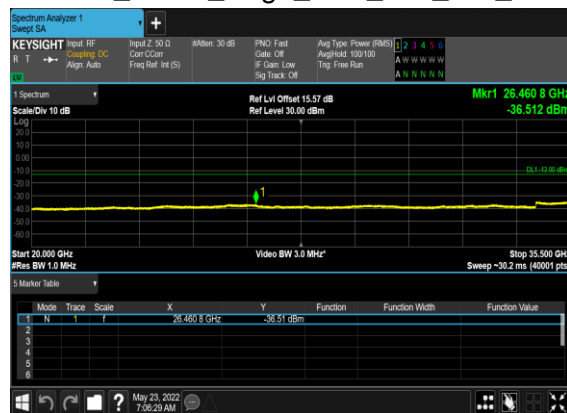
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



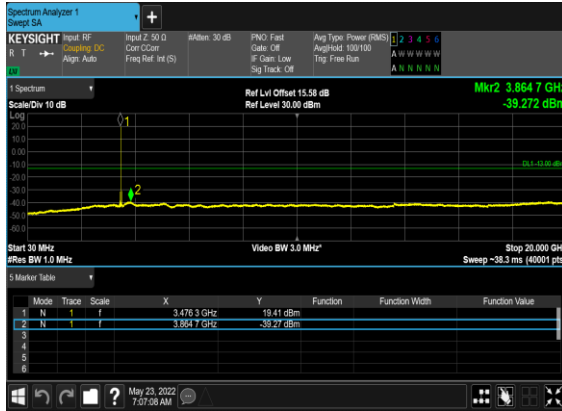
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



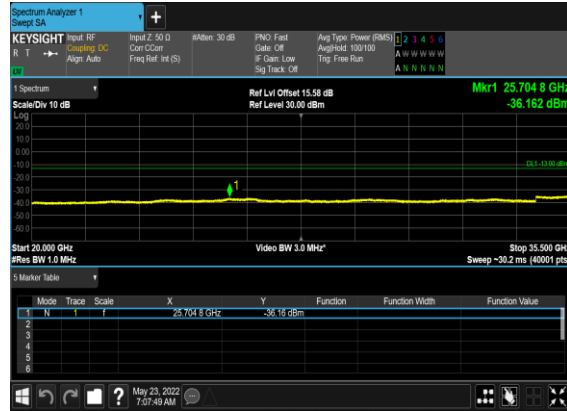
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



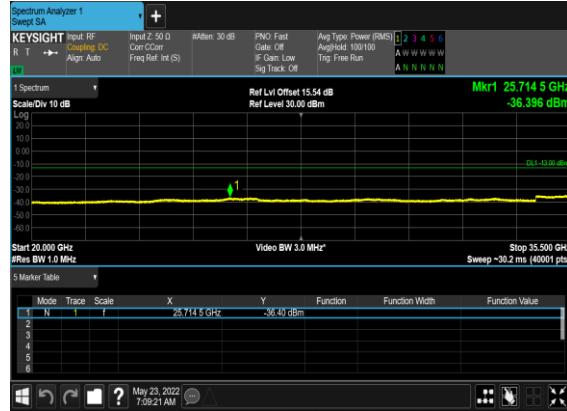
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



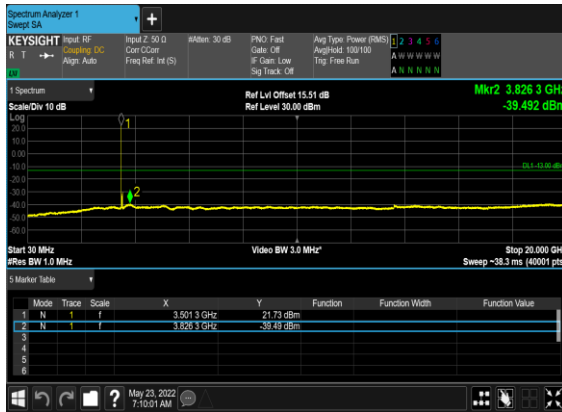
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



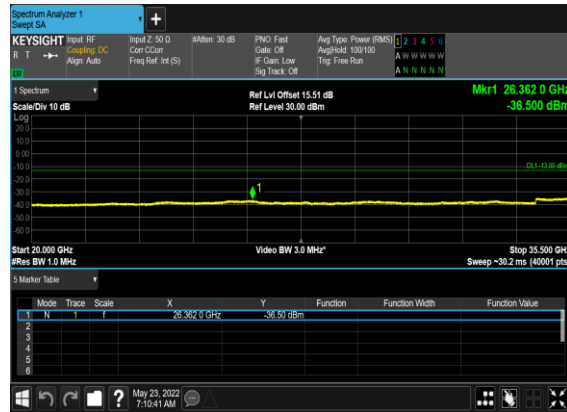
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



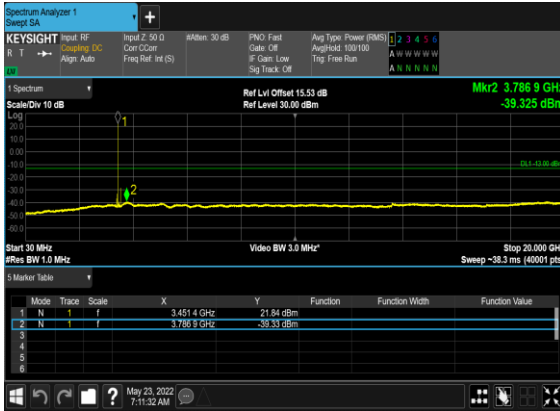
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



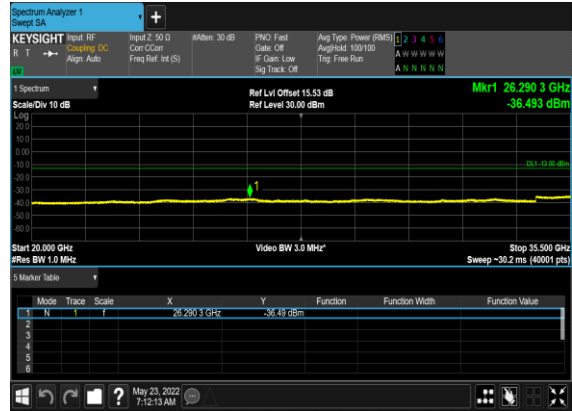
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



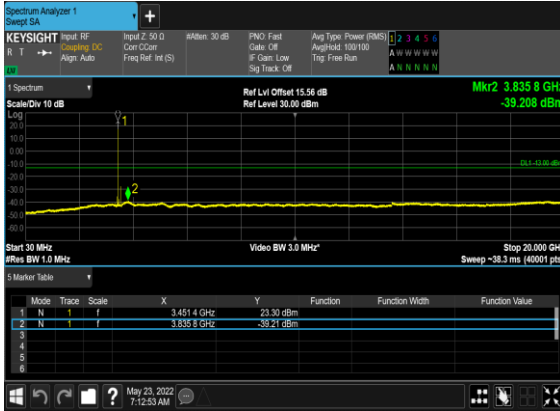
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



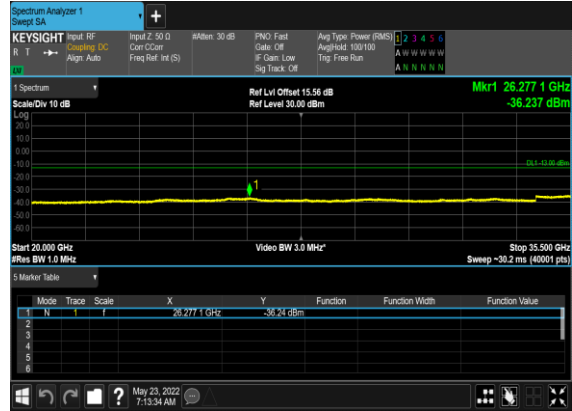
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



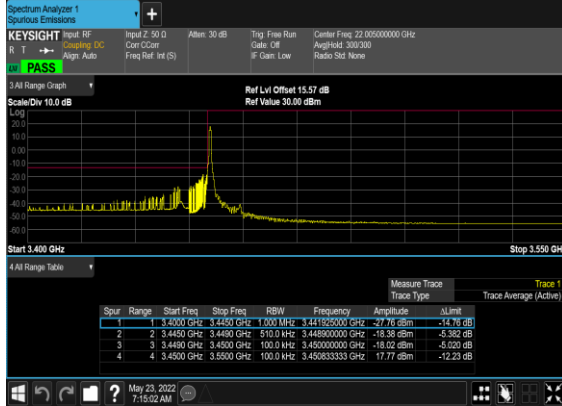
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



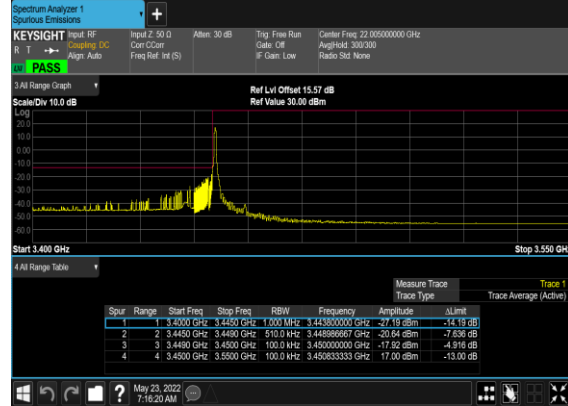
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	24@0	see graph	PASS
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	24@0	see graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	1@23	see graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@23	see graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	24@0	see graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	24@0	see graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	128@0	see graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	128@0	see graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	1@132	see graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@132	see graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	128@0	see graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	128@0	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@272	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@272	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	270@0	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	270@0	see graph	PASS

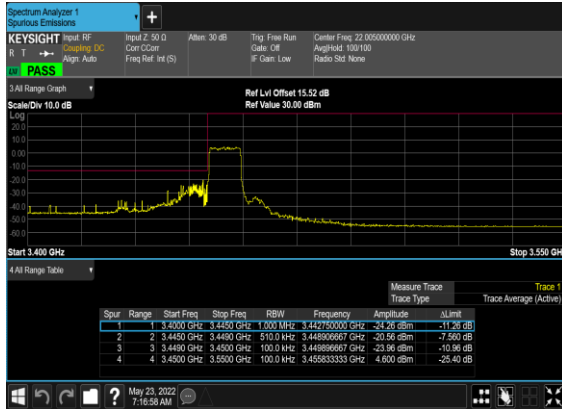
N77(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



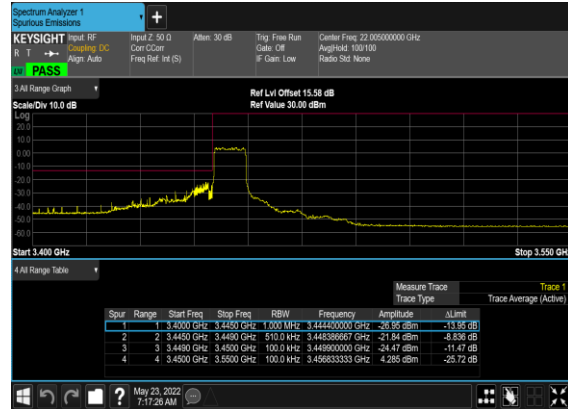
N77(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



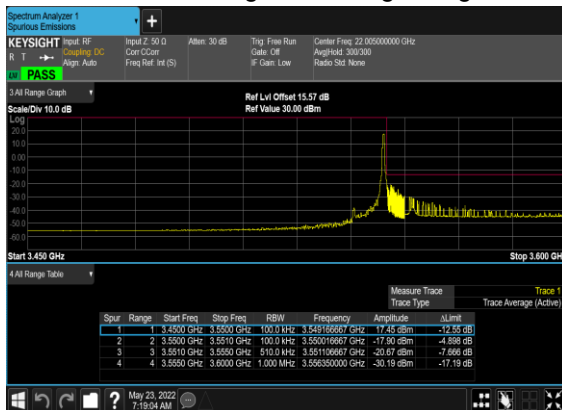
N77(10M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



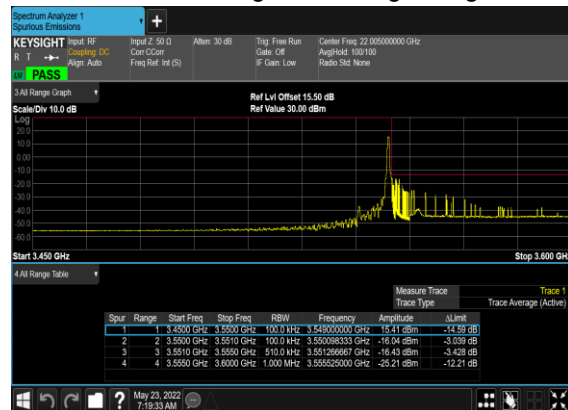
N77(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



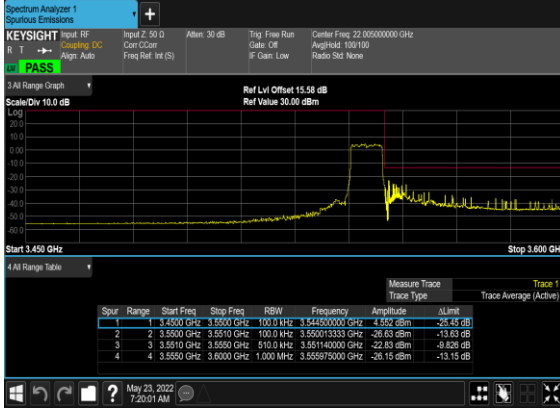
N77(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



N77(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



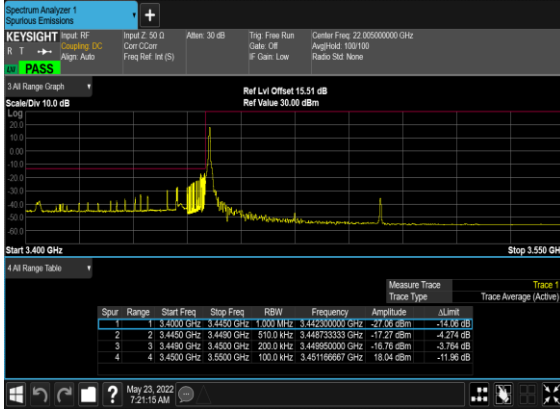
N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



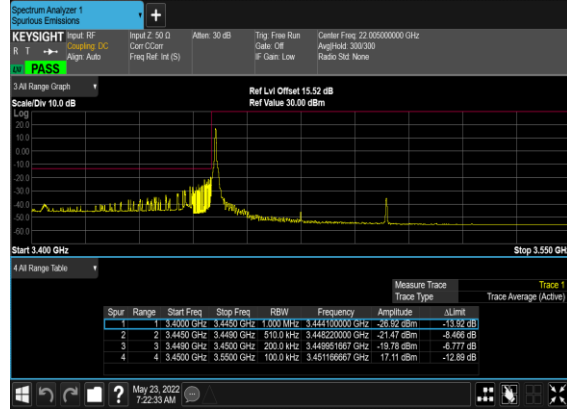
N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



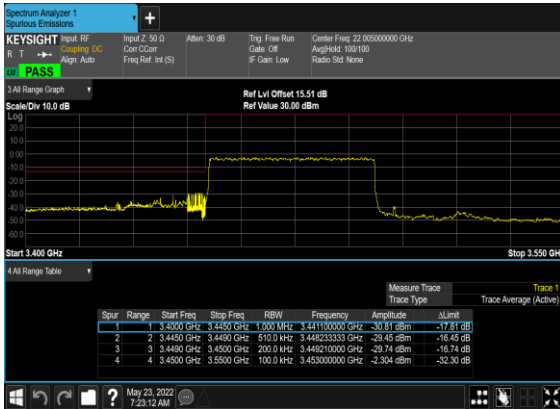
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



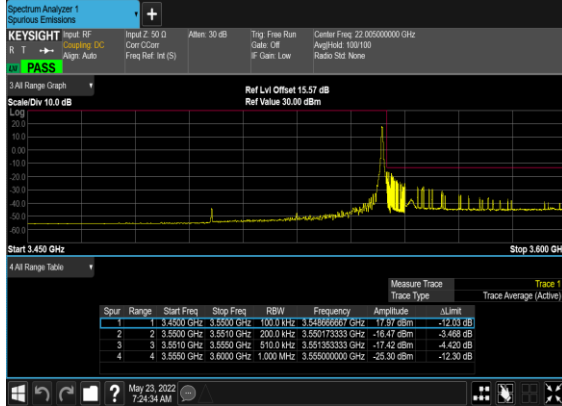
N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



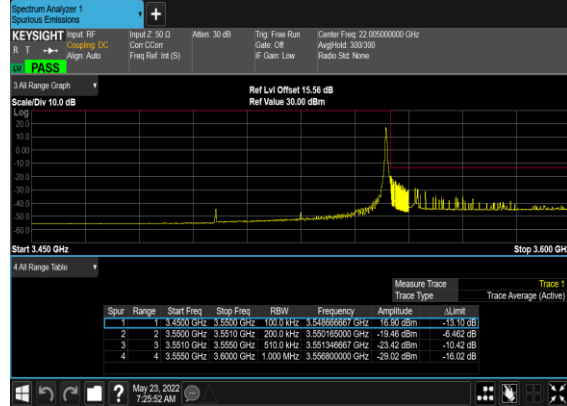
N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



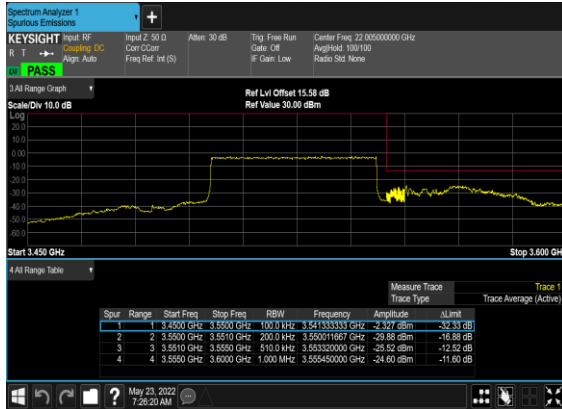
N77(50M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_High_CH



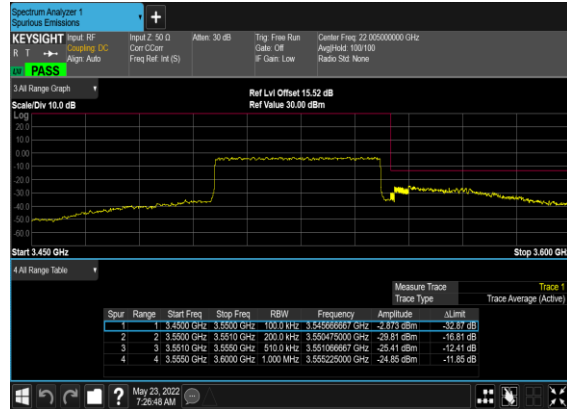
N77(50M)_DFT-s- OFDM_QPSK_Edge_1RB_Right_High_CH



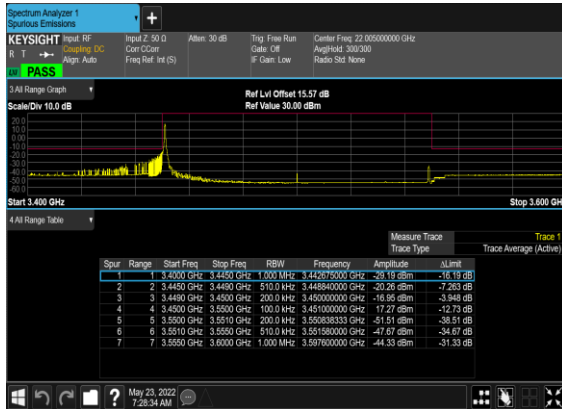
N77(50M)_DFT-s- OFDM_BPSK_Outer_Full_High_CH



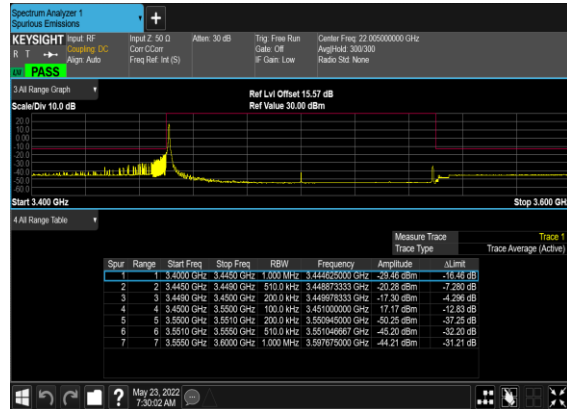
N77(50M)_DFT-s- OFDM_QPSK_Outer_Full_High_CH



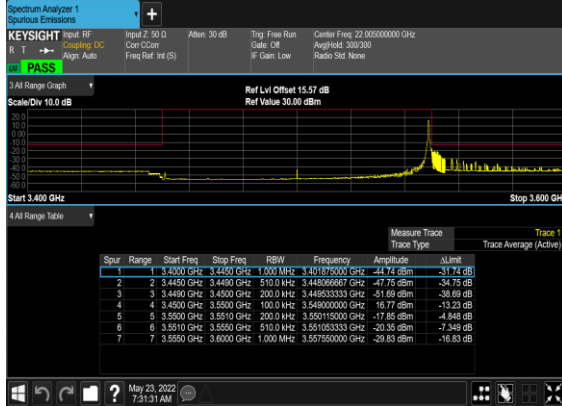
N77(100M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Mid_CH



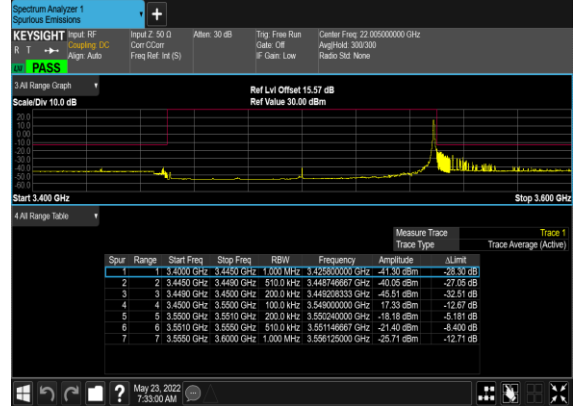
N77(100M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Mid_CH



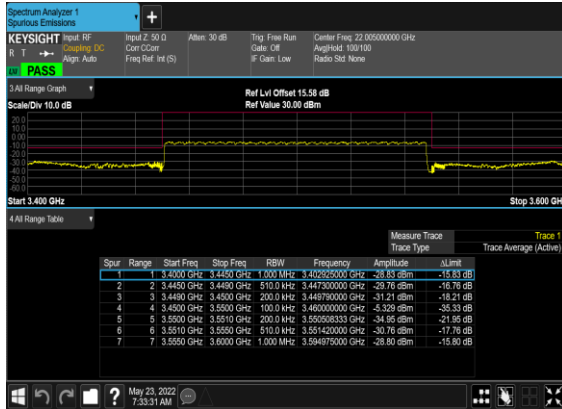
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH



N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH



N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH



N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



FR1 N78 (ANT5)

Transmitter Conducted Output Power And EIRP, (G_T - L_C)= -5.39dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	22.56	17.17	0.0521
78	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	21.69	16.3	0.0427
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.45	18.06	0.0640
78	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.54	17.15	0.0519
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	22.91	17.52	0.0565
78	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	21.98	16.59	0.0456
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	22.78	17.39	0.0548
78	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	21.84	16.45	0.0442
78	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.47	18.08	0.0643
78	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.6	17.21	0.0526
78	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	23.13	17.74	0.0594
78	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	22.11	16.72	0.0470
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	22.8	17.41	0.0551
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	21.84	16.45	0.0442
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.47	18.08	0.0643
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.82	16.43	0.0440
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	23.27	17.88	0.0614
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	22.31	16.92	0.0492
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	22.79	17.4	0.0550
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	21.94	16.55	0.0452
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.45	18.06	0.0640
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.92	16.53	0.0450
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	23.63	18.24	0.0667
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	22.67	17.28	0.0535
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	22.87	17.48	0.0560
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	21.91	16.52	0.0449
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.51	18.12	0.0649
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.55	17.16	0.0520
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	23.71	18.32	0.0679

78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	22.96	17.57	0.0571
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	22.63	17.24	0.0530
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	21.72	16.33	0.0430
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.98	17.59	0.0574
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.06	16.67	0.0465
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	23.53	18.14	0.0652
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	22.65	17.26	0.0532
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	22.68	17.29	0.0536
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	21.79	16.4	0.0437
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.01	17.62	0.0578
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.99	16.6	0.0457
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	23.4	18.01	0.0632
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	22.56	17.17	0.0521
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	22.52	17.13	0.0516
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	21.68	16.29	0.0426
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.83	17.44	0.0555
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.95	16.56	0.0453
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	23.09	17.7	0.0589
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	22.11	16.72	0.0470
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	22.56	17.17	0.0521
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	21.63	16.24	0.0421
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.63	17.24	0.0530
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.82	16.43	0.0440
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	22.89	17.5	0.0562
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	22.01	16.62	0.0459
78	30	90	633000	3510	DFT-s-OFDM QPSK	1@1	22.79	17.4	0.0550
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	21.62	16.23	0.0420
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.56	17.17	0.0521
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.65	16.26	0.0423
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	22.68	17.29	0.0536
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	21.88	16.49	0.0446
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	23.22	17.83	0.0607
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.48	17.09	0.0512
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	22.52	17.13	0.0516

78	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	23.72	18.33	0.0681
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.5	17.11	0.0514
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	22.36	16.97	0.0498
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	22.24	16.85	0.0484
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.52	16.13	0.0410
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	21.44	16.05	0.0403
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	20.74	15.35	0.0343
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	19.99	14.6	0.0288
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	19.93	14.54	0.0284
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	18.75	13.36	0.0217
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	17.8	12.41	0.0174
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	17.75	12.36	0.0172
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	21.69	16.3	0.0427
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	20.87	15.48	0.0353
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	20.85	15.46	0.0352



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Chris Chen	Temperature :	23~25°C
		Relative Humidity :	41~42%

Note: Pre-scanned harmonic for the different antenna, we choose the worst antenna mode to test.

SA n77 / 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	-61.89	-13	-48.89	-72.37	2.76	13.24	H
	10368	-61.07	-13	-48.07	-70.66	3.42	13.01	H
	13800	-60.26	-13	-47.26	-69.87	3.83	13.44	H
	6900	-61.40	-13	-48.40	-71.84	2.80	13.24	V
	10368	-61.79	-13	-48.79	-71.34	3.46	13.01	V
	13800	-58.02	-13	-45.02	-67.58	3.88	13.44	V

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

EN-DC_66A_n77A / LTE 20MHz + NR 100MHz / QPSK / LTE(ANT2) + NR(ANT5)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle N77	6900.00	-61.28	-13	-48.28	-61.16	-66.84	7.14	12.70	H
	10350.00	-56.39	-13	-43.39	-63.34	-59.69	8.30	11.60	H
	13800.00	-51.93	-13	-38.93	-64.10	-53.45	10.48	12.00	H
	6900.00	-61.69	-13	-48.69	-61.49	-67.25	7.14	12.70	V
	10350.00	-56.82	-13	-43.82	-63.57	-60.12	8.30	11.60	V
	13800.00	-52.26	-13	-39.26	-64.12	-53.78	10.48	12.00	V
Middle B66	3472	-64.18	-13	-51.18	-76.79	-71.03	5.65	12.50	H
	5208	-61.97	-13	-48.97	-79.11	-67.64	7.13	12.80	H
	6944	-61.28	-13	-48.28	-61.28	-64.68	8.40	11.80	H
	3472	-63.32	-13	-50.32	-76.48	-70.17	5.65	12.50	V
	5208	-61.66	-13	-48.66	-78.75	-67.33	7.13	12.80	V
	6944	-61.69	-13	-48.69	-61.74	-65.09	8.40	11.80	V

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