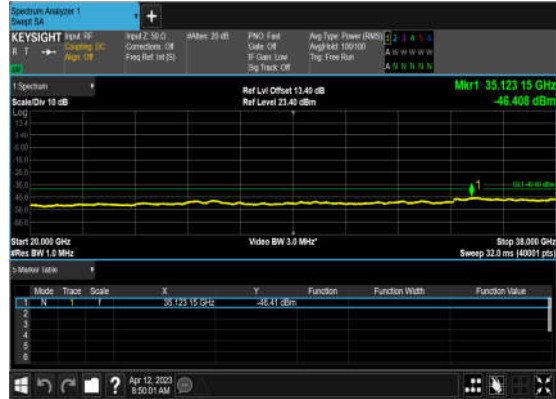


N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



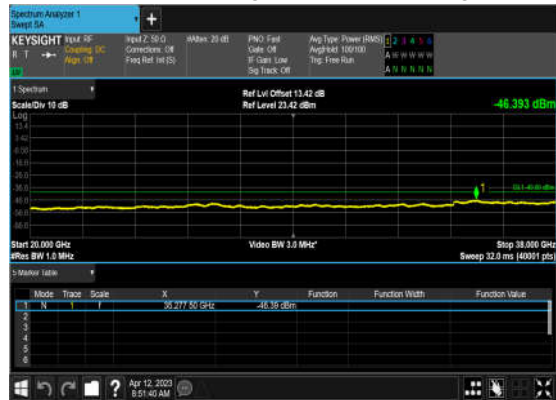
N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



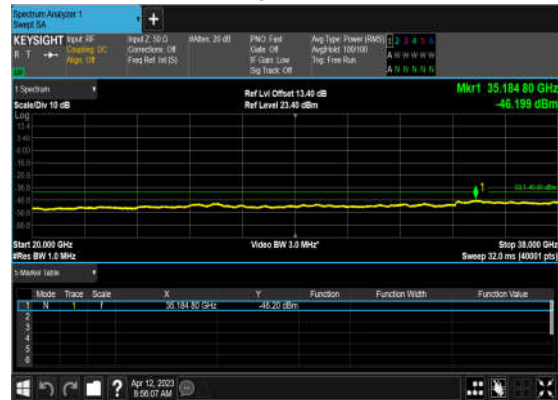
N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



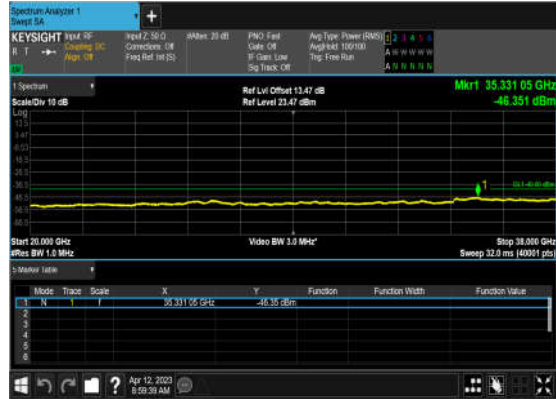
N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



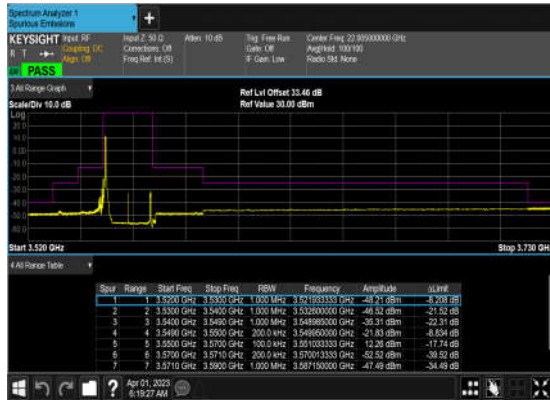
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	20	637334	3560.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	20	637334	3560.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	20	637334	3560.01	DFT-s-OFDM BPSK	1@50	see graph	PASS
78	30	20	637334	3560.01	DFT-s-OFDM QPSK	1@50	see graph	PASS
78	30	20	637334	3560.01	DFT-s-OFDM BPSK	50@0	see graph	PASS
78	30	20	637334	3560.01	DFT-s-OFDM QPSK	50@0	see graph	PASS
78	30	20	641666	3624.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	20	641666	3624.99	DFT-s-OFDM BPSK	1@50	see graph	PASS
78	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@50	see graph	PASS
78	30	20	641666	3624.99	DFT-s-OFDM BPSK	50@0	see graph	PASS
78	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	see graph	PASS
78	30	20	646000	3690.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	20	646000	3690.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	20	646000	3690.0	DFT-s-OFDM BPSK	1@50	see graph	PASS
78	30	20	646000	3690.0	DFT-s-OFDM QPSK	1@50	see graph	PASS
78	30	20	646000	3690.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
78	30	20	646000	3690.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
78	30	60	638668	3580.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	60	638668	3580.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	60	638668	3580.02	DFT-s-OFDM BPSK	1@161	see graph	PASS
78	30	60	638668	3580.02	DFT-s-OFDM QPSK	1@161	see graph	PASS
78	30	60	638668	3580.02	DFT-s-OFDM BPSK	162@0	see graph	PASS

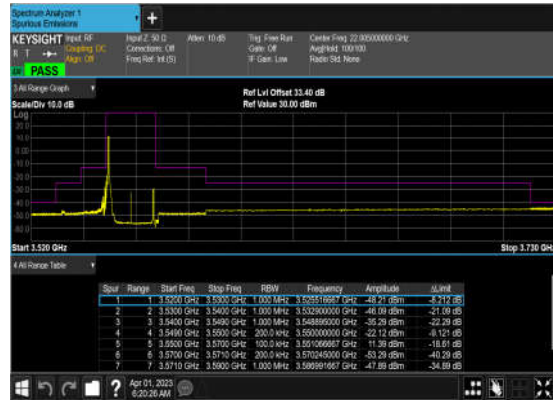
78	30	60	638668	3580.02	DFT-s-OFDM QPSK	162@0	see graph	PASS
78	30	60	641666	3624.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	60	641666	3624.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	60	641666	3624.99	DFT-s-OFDM BPSK	1@161	see graph	PASS
78	30	60	641666	3624.99	DFT-s-OFDM QPSK	1@161	see graph	PASS
78	30	60	641666	3624.99	DFT-s-OFDM BPSK	162@0	see graph	PASS
78	30	60	641666	3624.99	DFT-s-OFDM QPSK	162@0	see graph	PASS
78	30	60	644666	3669.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	60	644666	3669.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	60	644666	3669.99	DFT-s-OFDM BPSK	1@161	see graph	PASS
78	30	60	644666	3669.99	DFT-s-OFDM QPSK	1@161	see graph	PASS
78	30	60	644666	3669.99	DFT-s-OFDM BPSK	162@0	see graph	PASS
78	30	60	644666	3669.99	DFT-s-OFDM QPSK	162@0	see graph	PASS
78	30	100	640000	3600.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	100	640000	3600.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	100	640000	3600.0	DFT-s-OFDM BPSK	1@272	see graph	PASS
78	30	100	640000	3600.0	DFT-s-OFDM QPSK	1@272	see graph	PASS
78	30	100	640000	3600.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
78	30	100	640000	3600.0	DFT-s-OFDM QPSK	270@0	see graph	PASS
78	30	100	641666	3624.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	100	641666	3624.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	100	641666	3624.99	DFT-s-OFDM BPSK	1@272	see graph	PASS
78	30	100	641666	3624.99	DFT-s-OFDM QPSK	1@272	see graph	PASS
78	30	100	641666	3624.99	DFT-s-OFDM BPSK	270@0	see graph	PASS
78	30	100	641666	3624.99	DFT-s-OFDM	270@0	see graph	PASS

QPSK								
78	30	100	643332	3649.98	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	100	643332	3649.98	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	100	643332	3649.98	DFT-s-OFDM BPSK	1@272	see graph	PASS
78	30	100	643332	3649.98	DFT-s-OFDM QPSK	1@272	see graph	PASS
78	30	100	643332	3649.98	DFT-s-OFDM BPSK	270@0	see graph	PASS
78	30	100	643332	3649.98	DFT-s-OFDM QPSK	270@0	see graph	PASS

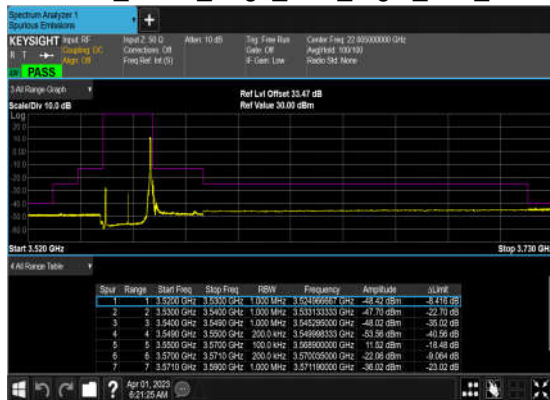
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



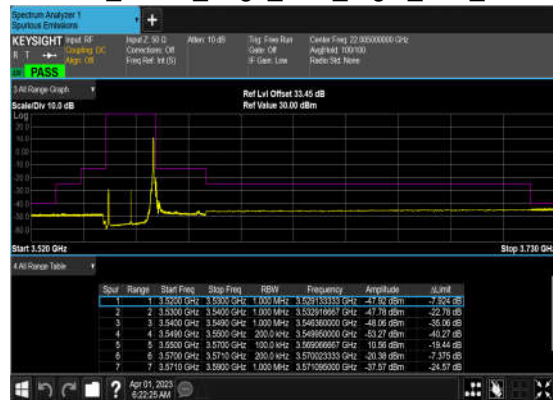
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



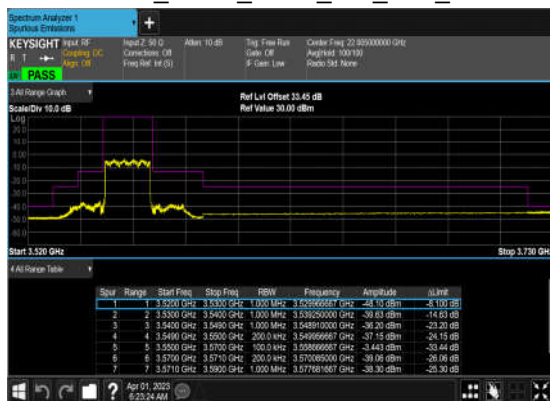
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Low_CH



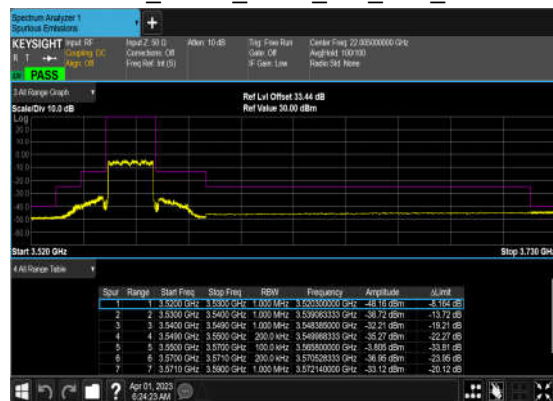
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Low_CH



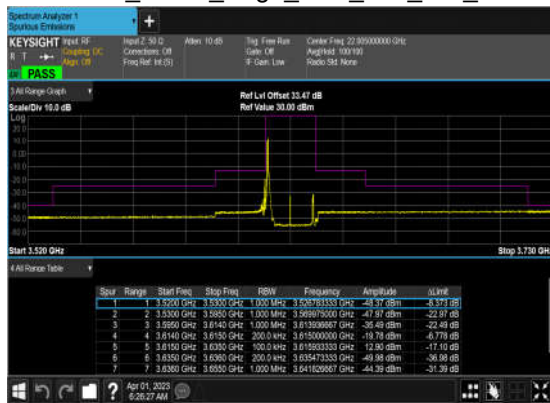
N78(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



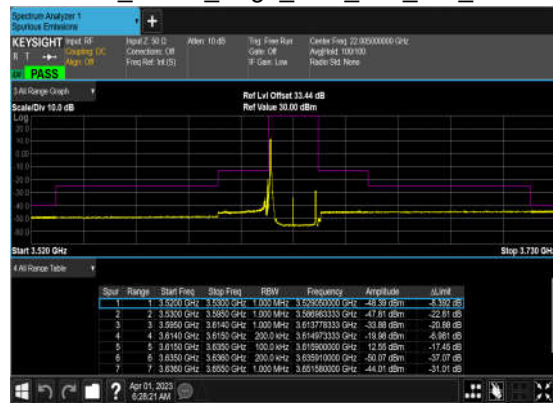
N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



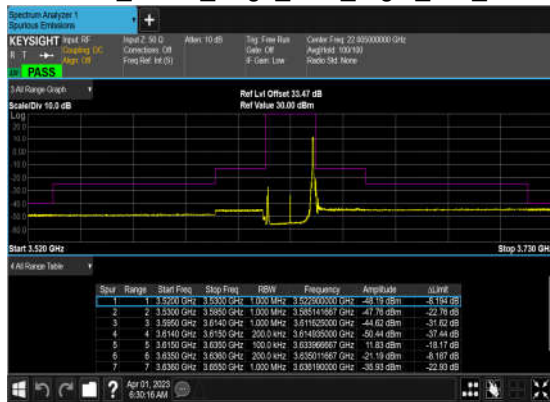
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



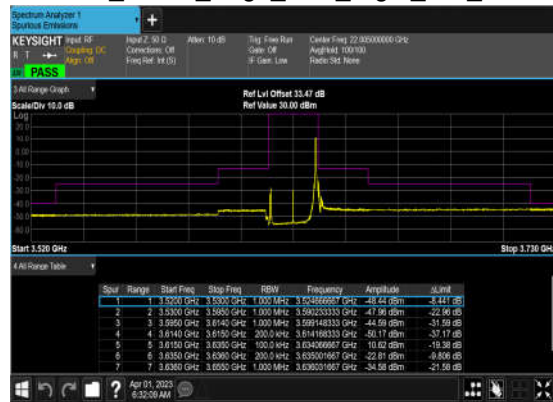
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



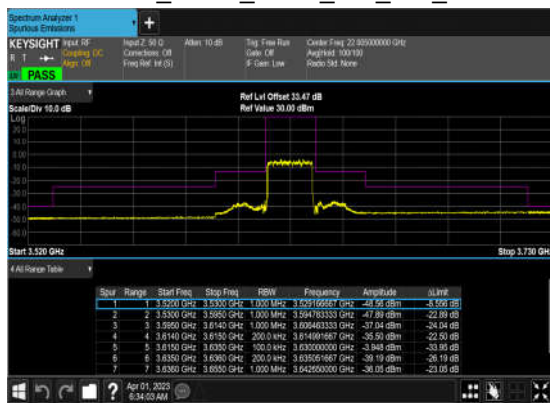
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH



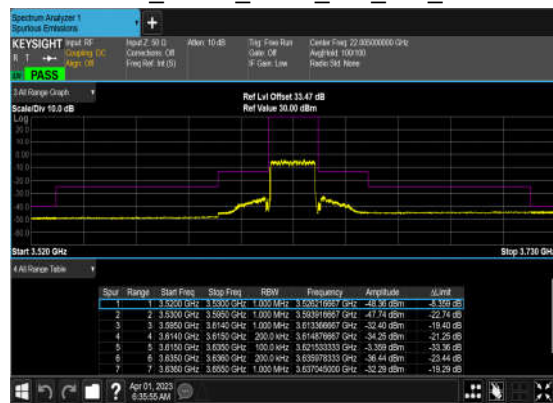
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH



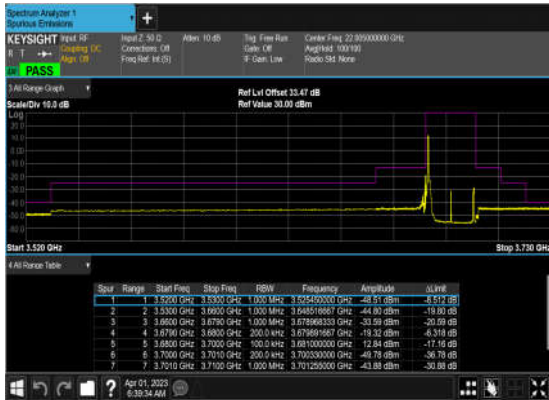
N78(20M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH



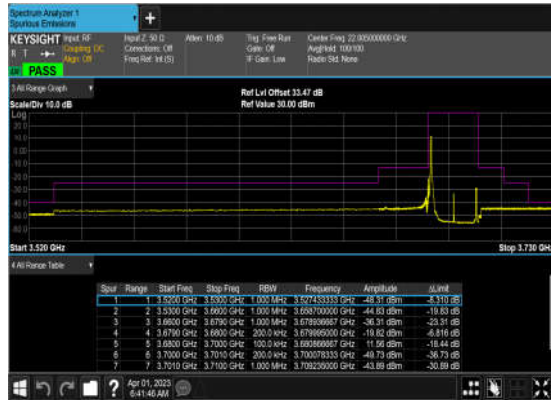
N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



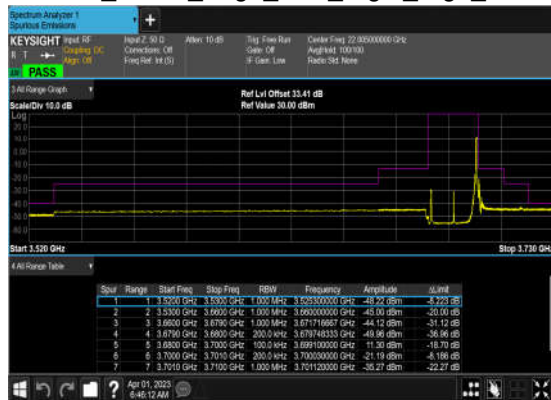
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



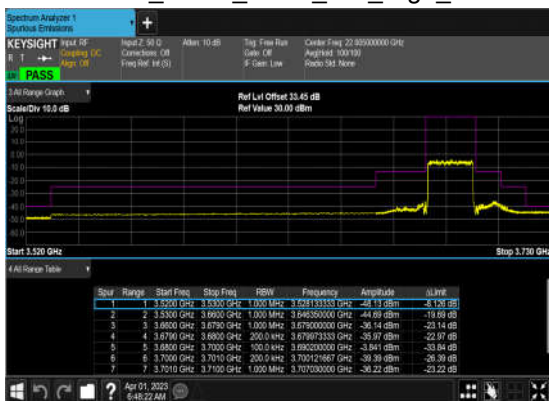
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



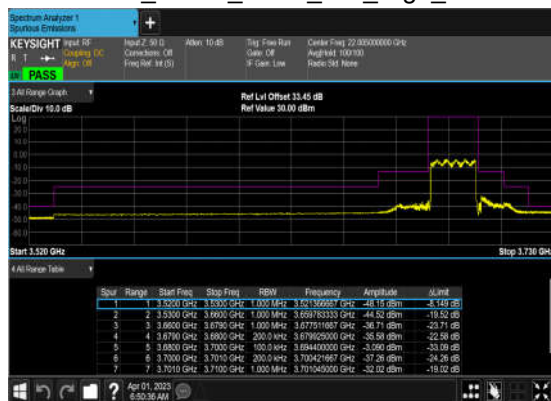
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



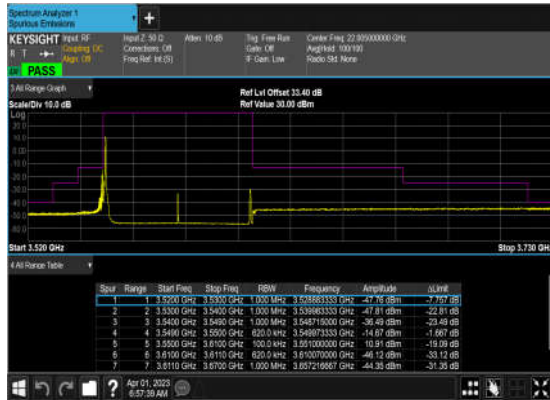
N78(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



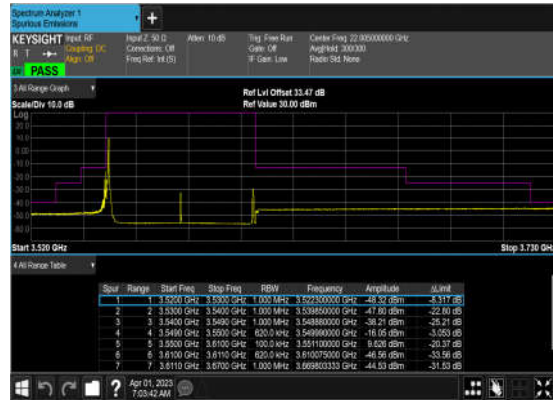
N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



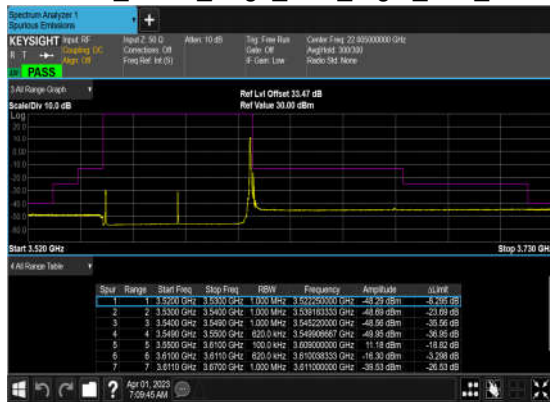
N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



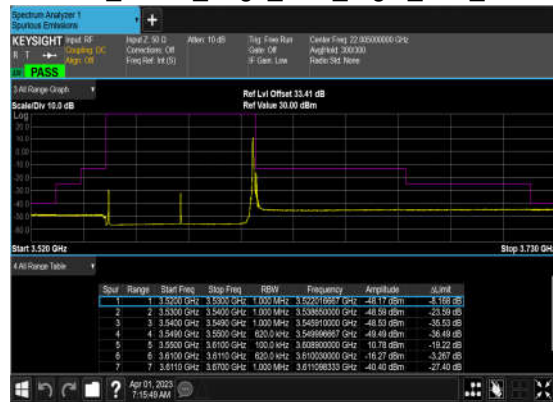
N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



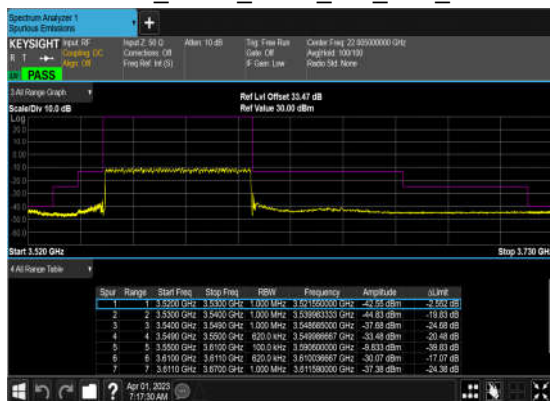
N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Low_CH



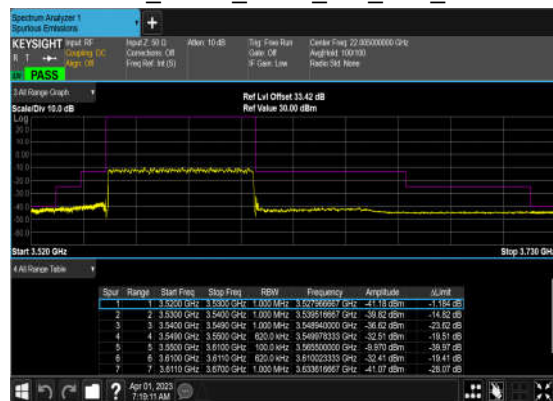
N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Low_CH



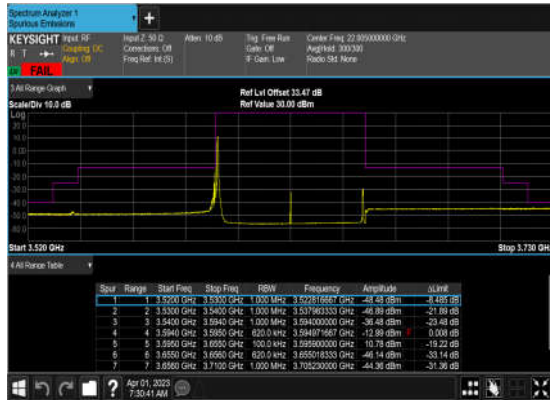
N78(60M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



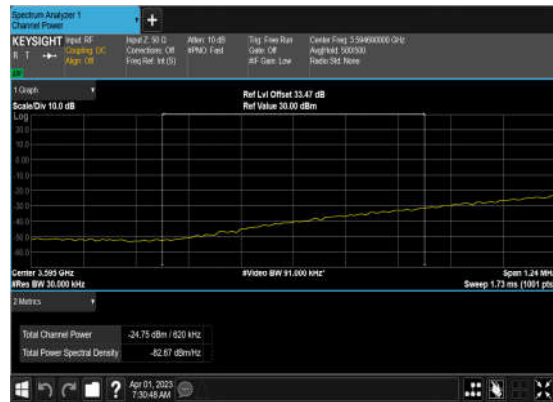
N78(60M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



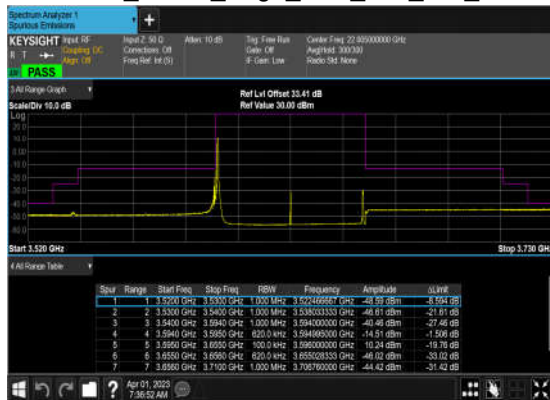
N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



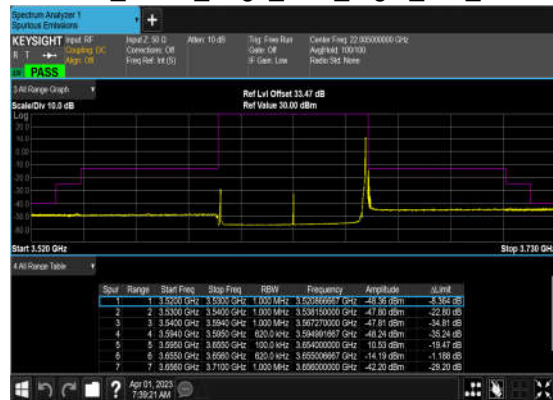
N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH_CHP_PASS



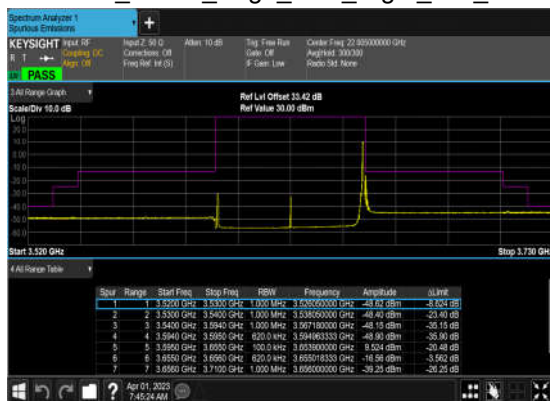
N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



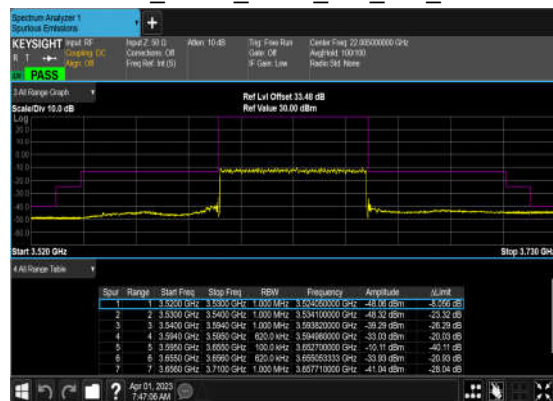
N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH



N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH



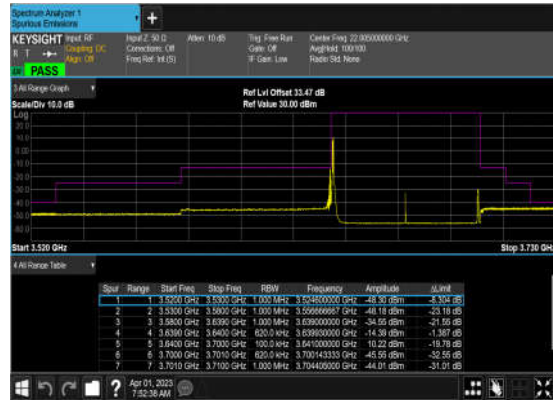
N78(60M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH



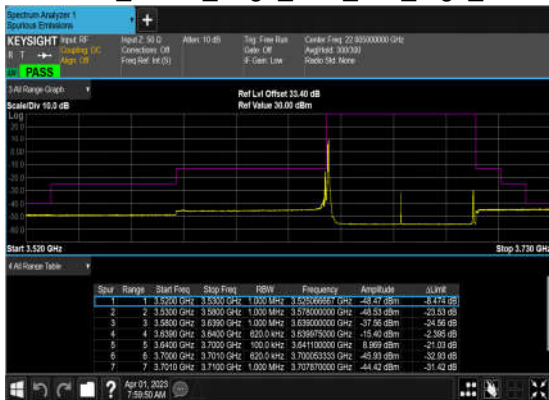
N78(60M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



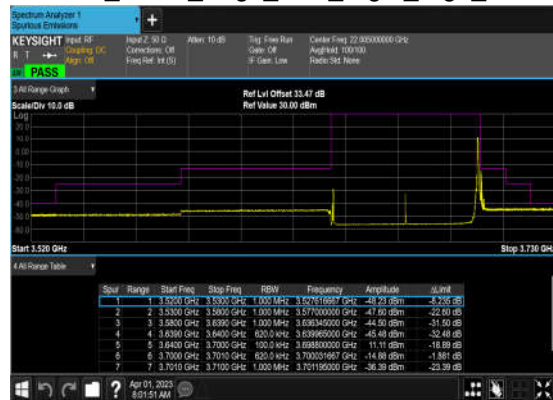
N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



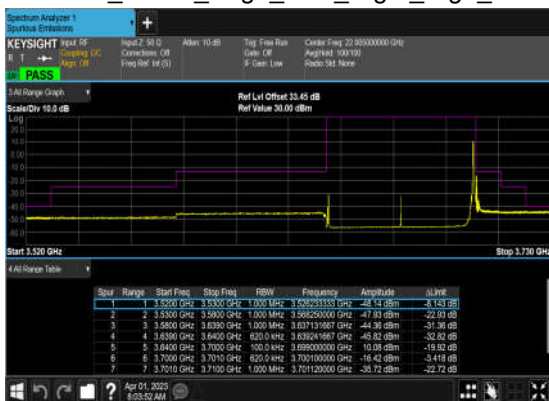
N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



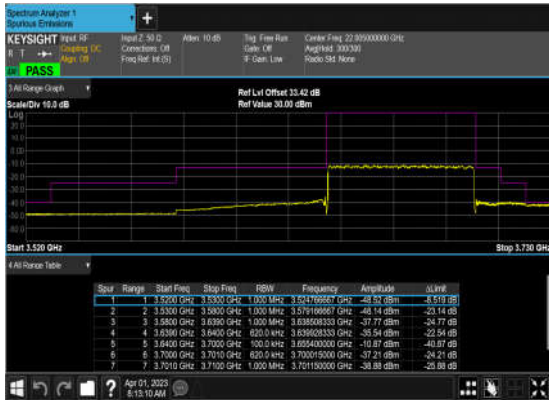
N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



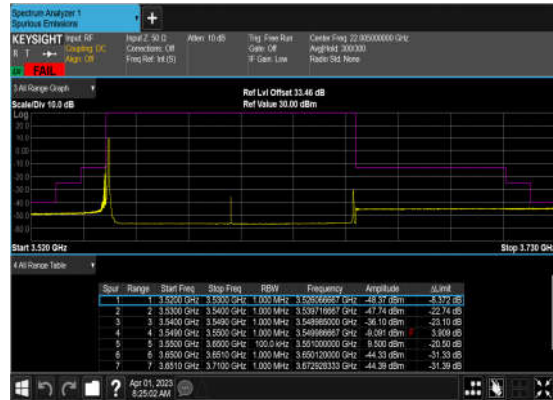
N78(60M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



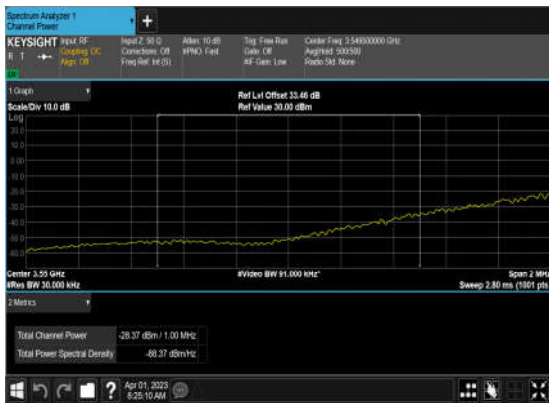
N78(60M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



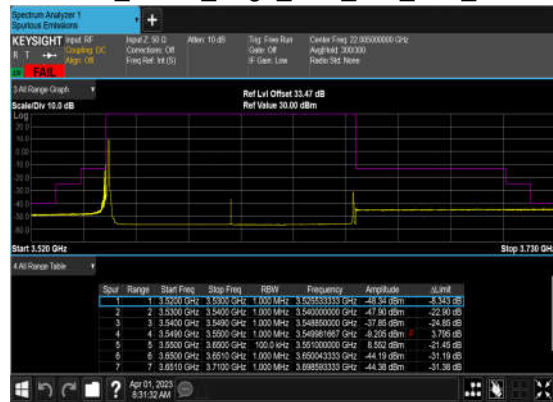
N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



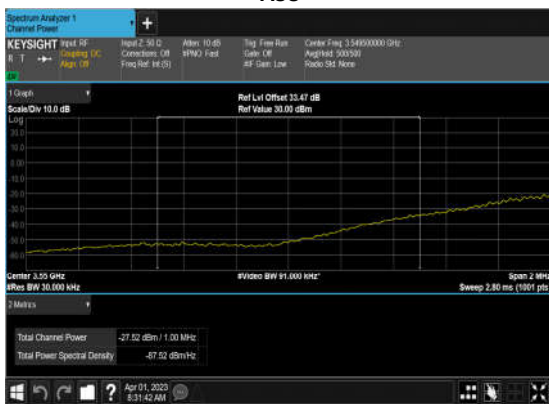
N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_P ASS



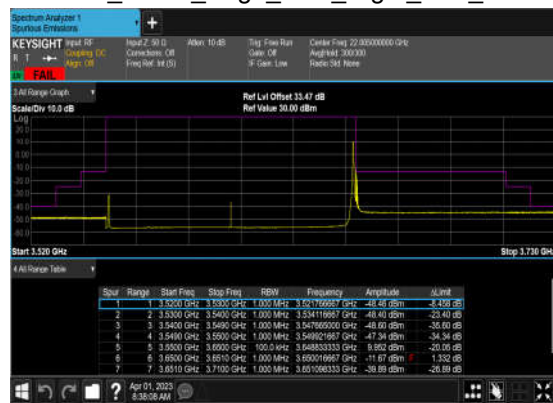
N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



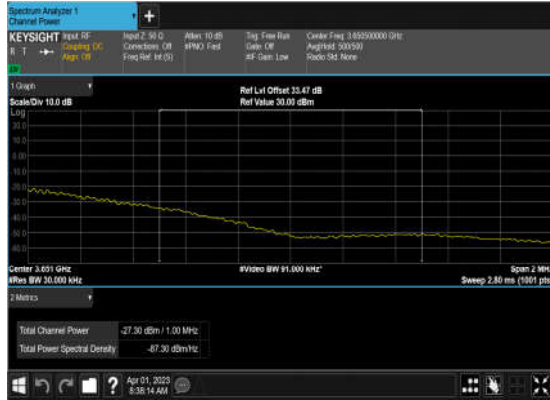
N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_P ASS



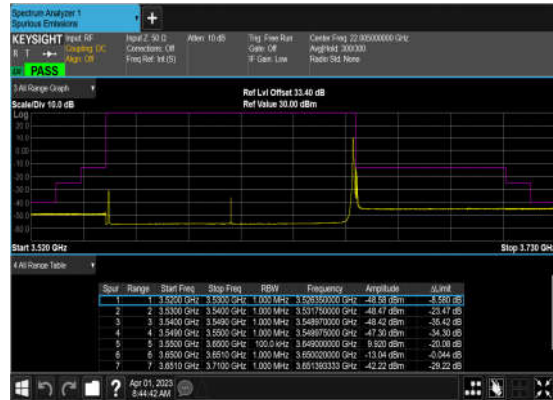
N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Low_CH



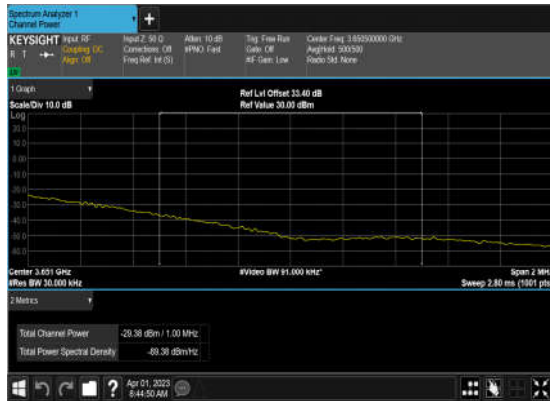
N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Low_CH_CHP_PASS



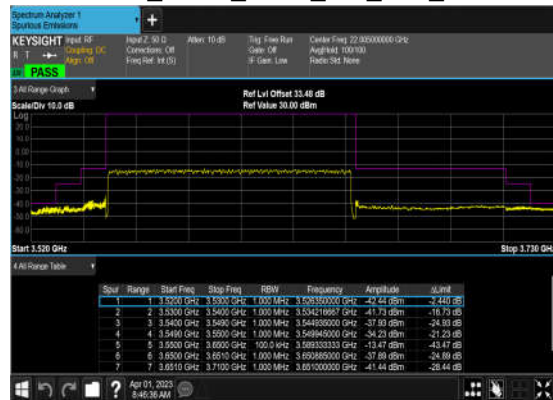
N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Low_CH



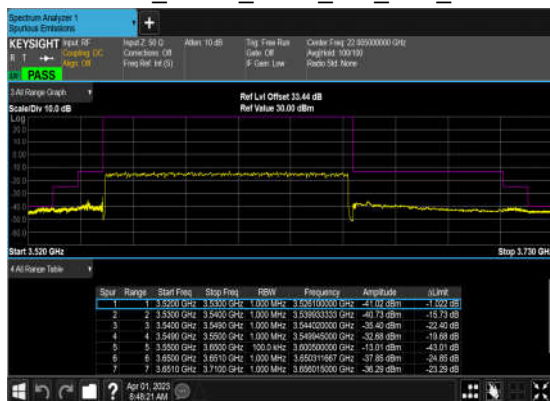
N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Low_CH_CHP_PASS



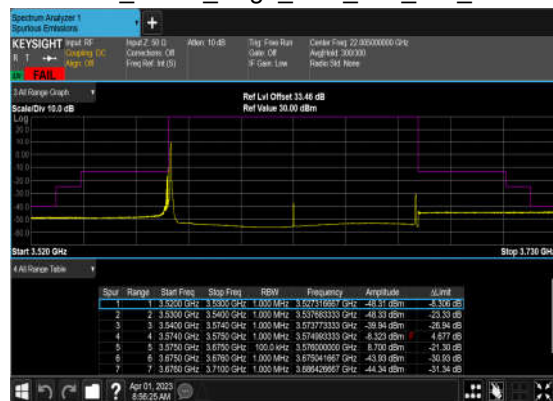
N78(100M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



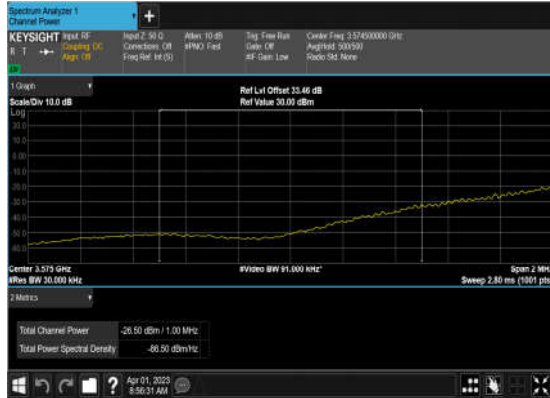
N78(100M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



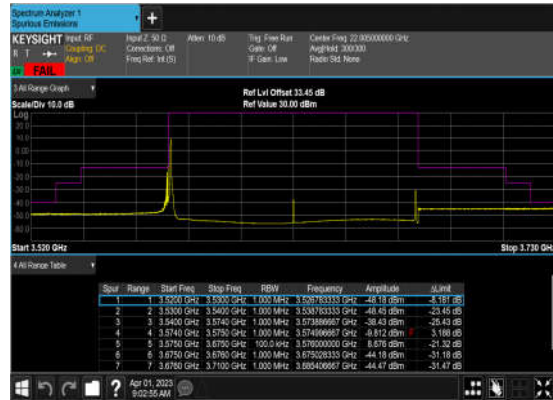
N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



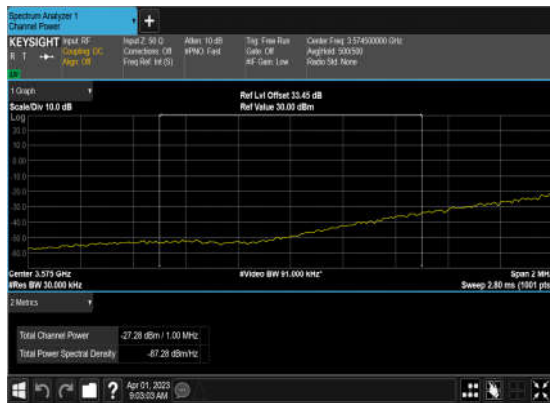
N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH_CHP_PA SS



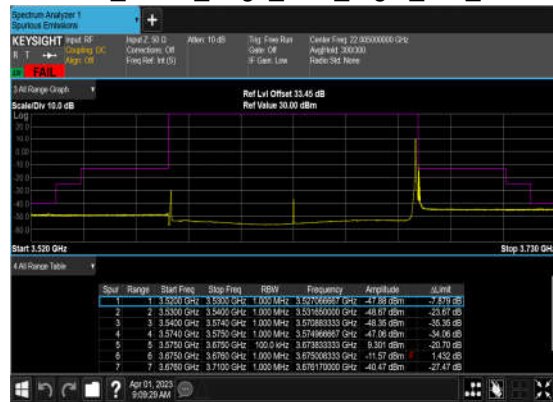
N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



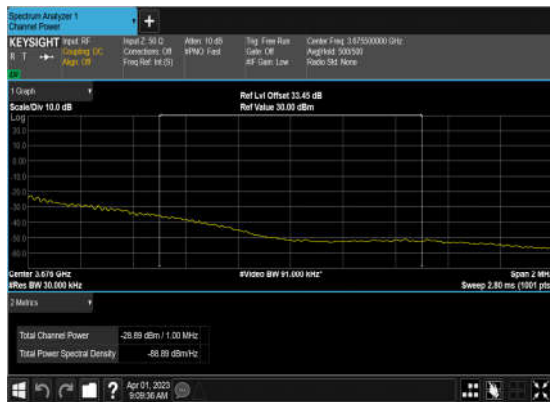
N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH_CHP_PA SS



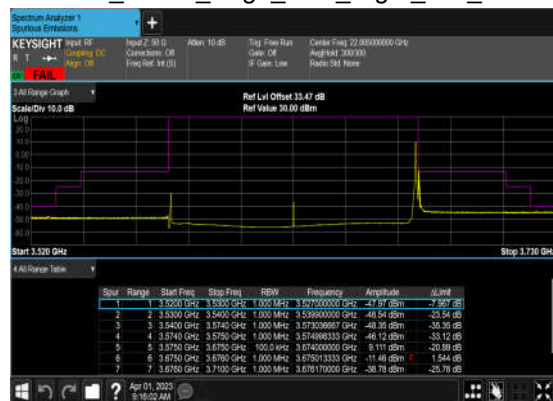
N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH



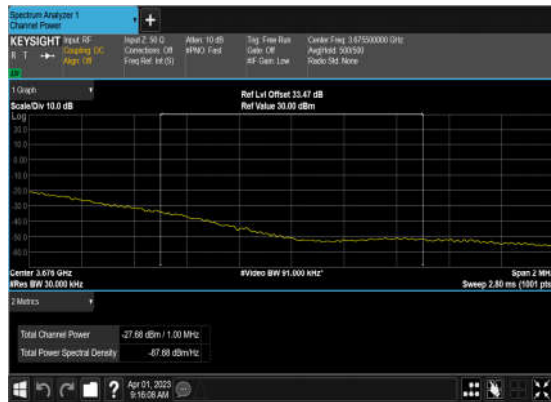
N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH_CHP_PA ASS



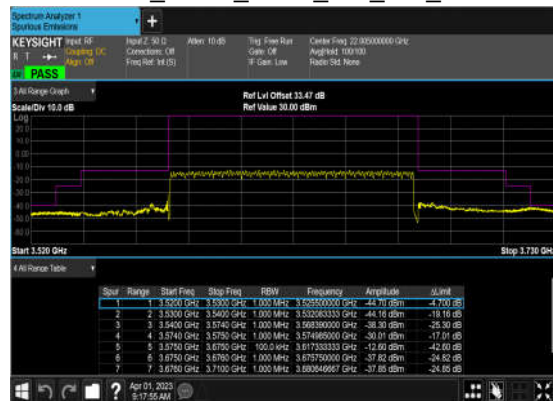
N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH



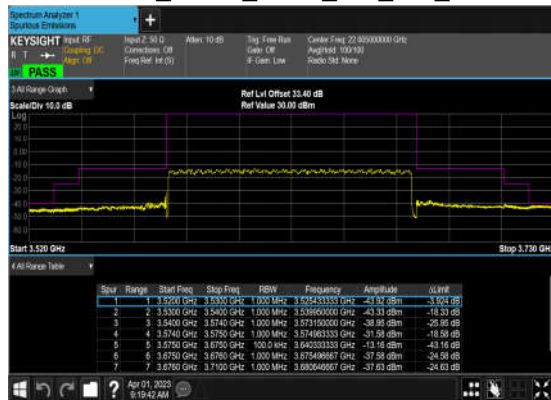
N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH_CHP_PASS



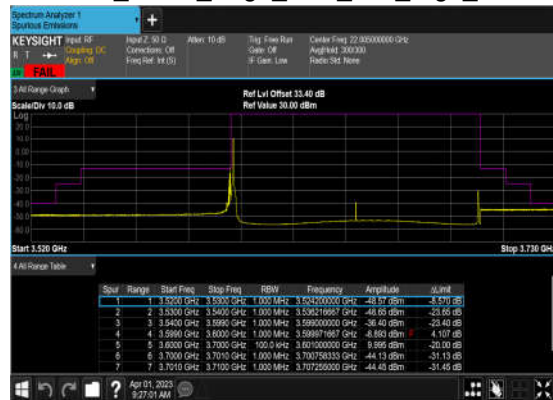
N78(100M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH



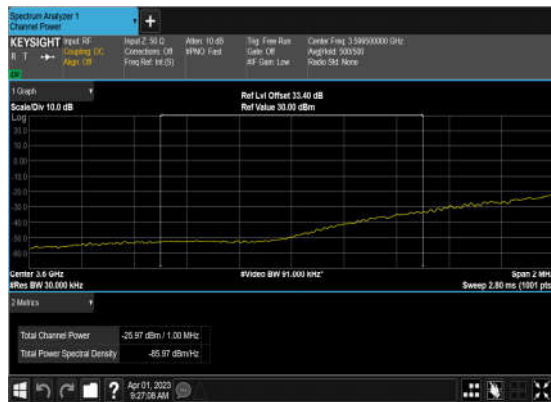
N78(100M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



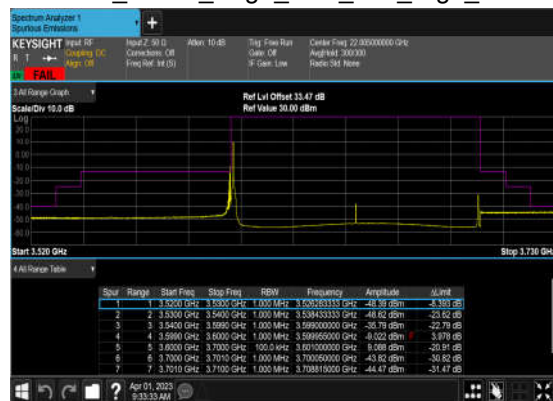
N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



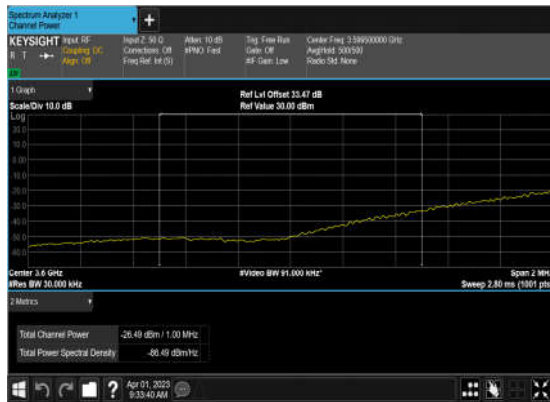
N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH_CHP_PASS



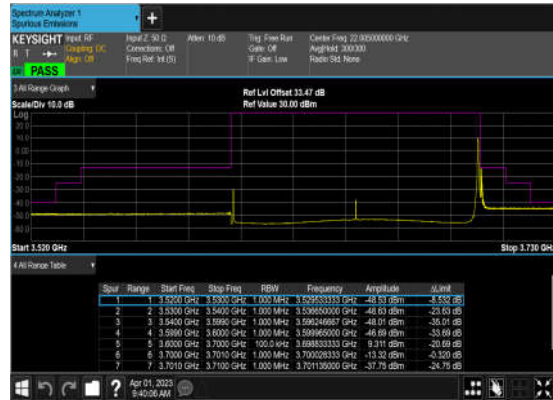
N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



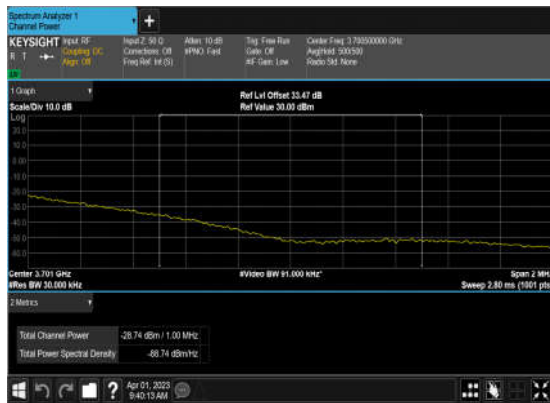
N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH_CHP_P ASS



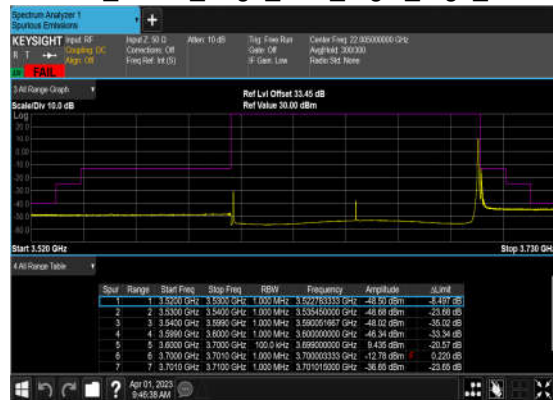
N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



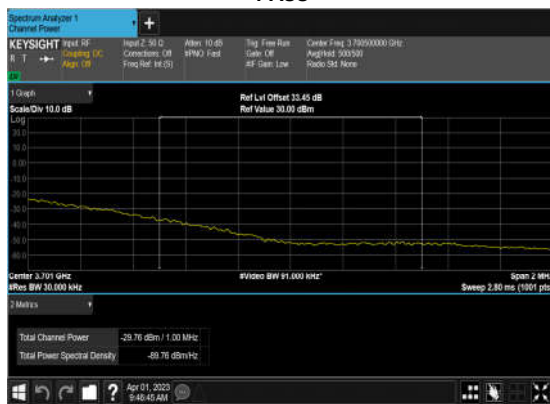
N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_CHP_PASS



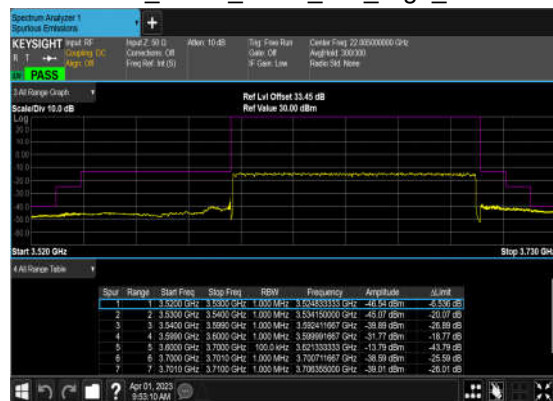
N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



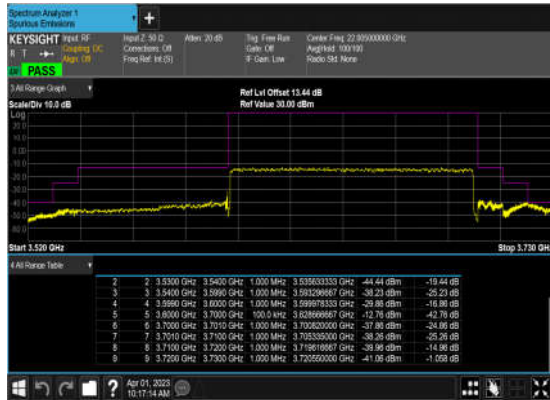
N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_PASS



N78(100M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N78(100M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH





Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Carry Xu	Temperature :	22~25°C
		Relative Humidity :	48~52%

RSE Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test.

SA n77 / NR 100MHz / QPSK / ANT3								
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	7152	-60.81	-40	-20.81	-72.27	2.84	14.30	H
	10740	-60.82	-40	-20.82	-70.76	3.49	13.43	H
	14316	-59.27	-40	-19.27	-69.51	3.85	14.09	H
	7152	-62.22	-40	-22.22	-73.68	2.84	14.30	V
	10740	-60.77	-40	-20.77	-70.71	3.49	13.43	V
	14316	-59.63	-40	-19.63	-69.87	3.85	14.09	V

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

EN-DC 5A_n78A / LTE 10MHz + NR 100MHz / QPSK / ANT1 (LTE) & ANT3(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	7152	-61.17	-40	-21.17	-72.63	2.84	14.30	H
	10740	-60.65	-40	-20.65	-70.59	3.49	13.43	H
	14316	-59.55	-40	-19.55	-69.79	3.85	14.09	H
	7152	-62.33	-40	-22.33	-73.79	2.84	14.30	V
	10740	-60.81	-40	-20.81	-70.75	3.49	13.43	V
	14316	-59.35	-40	-19.35	-69.59	3.85	14.09	V

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

EN-DC 41A_n78A / LTE 10MHz + NR 100MHz / QPSK / ANT2 (LTE) & ANT3(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	7152	-59.38	-40	-19.38	-70.84	2.84	14.30	H
	10728	-59.62	-40	-19.62	-69.56	3.49	13.43	H
	14316	-59.36	-40	-19.36	-69.60	3.85	14.09	H
	7152	-61.30	-40	-21.30	-72.76	2.84	14.30	V
	10728	-55.49	-40	-15.49	-65.43	3.49	13.43	V
	14316	-59.40	-40	-19.40	-69.64	3.85	14.09	V

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