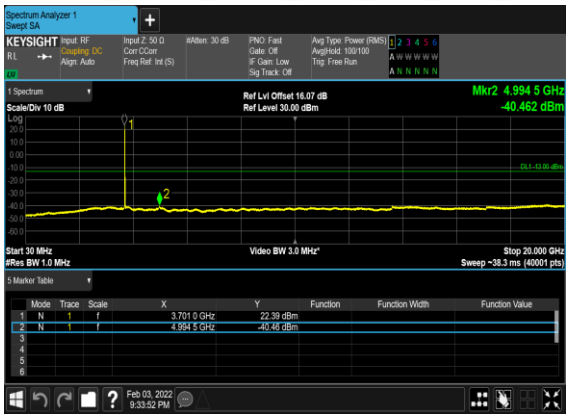
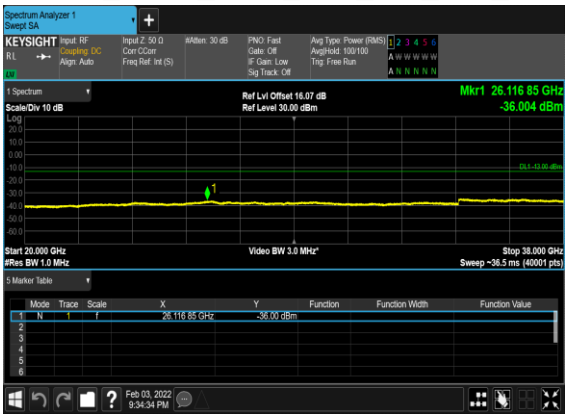
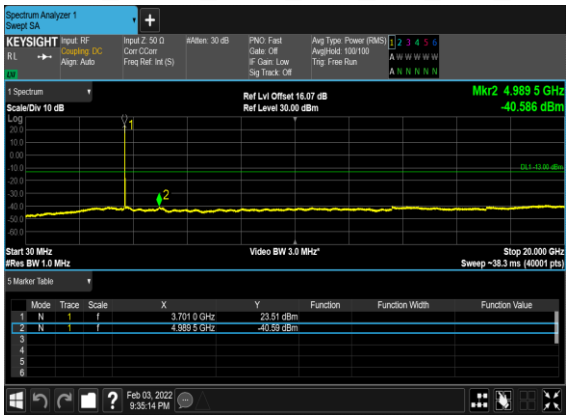
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



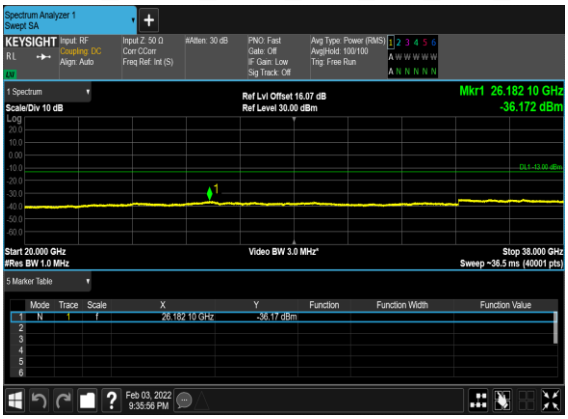
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



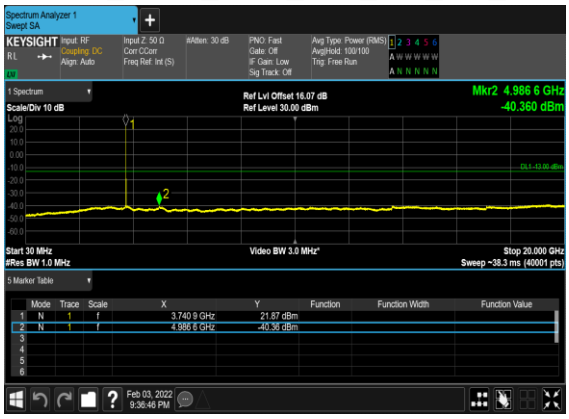
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



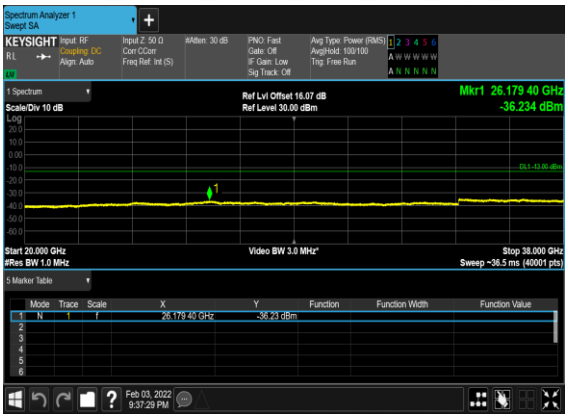
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



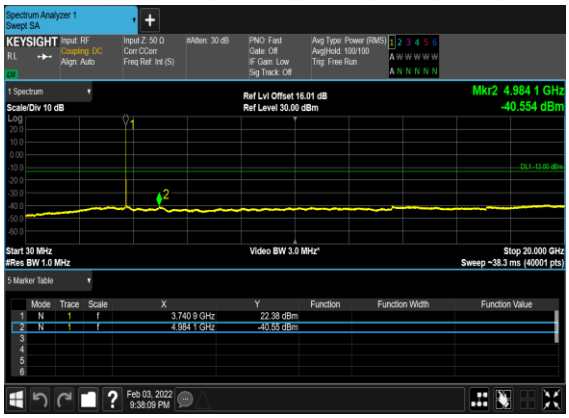
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



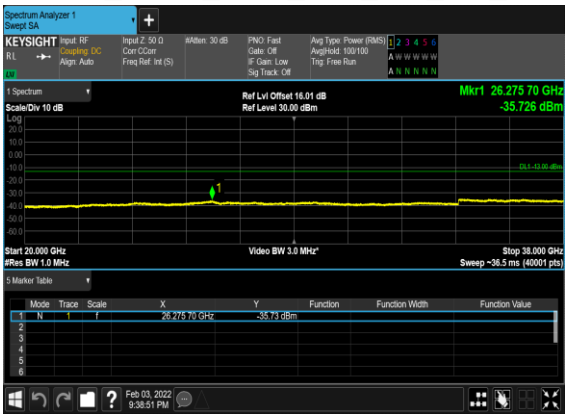
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



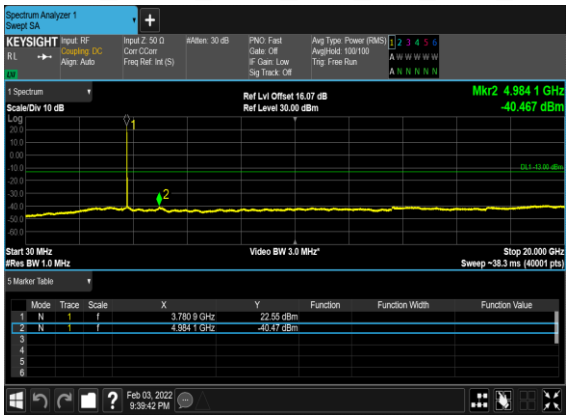
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



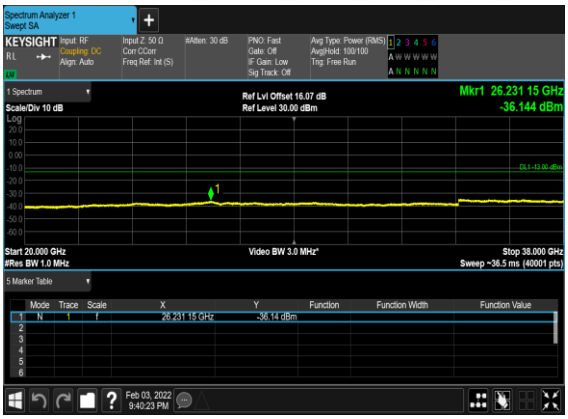
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



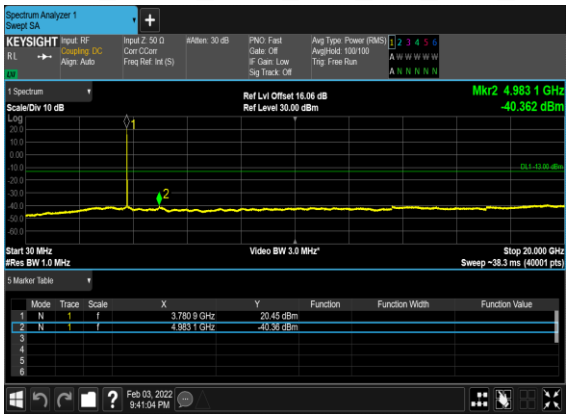
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



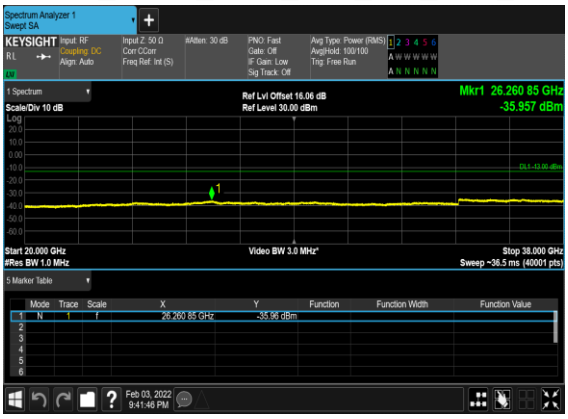
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



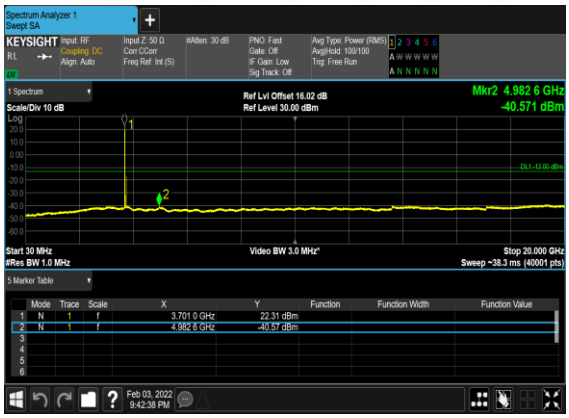
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



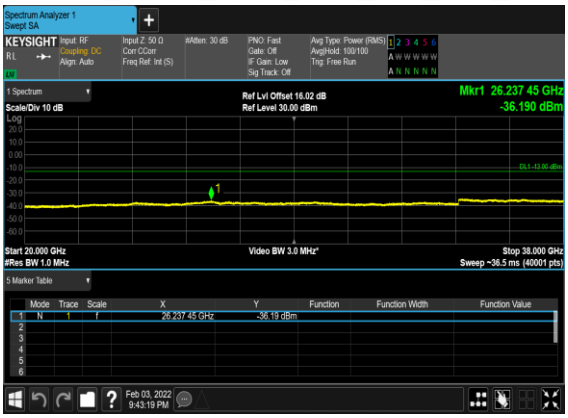
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



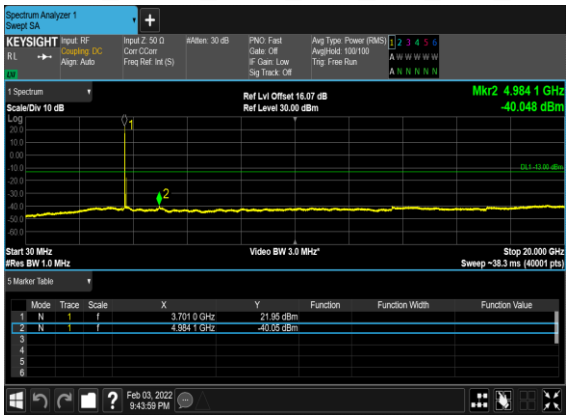
N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



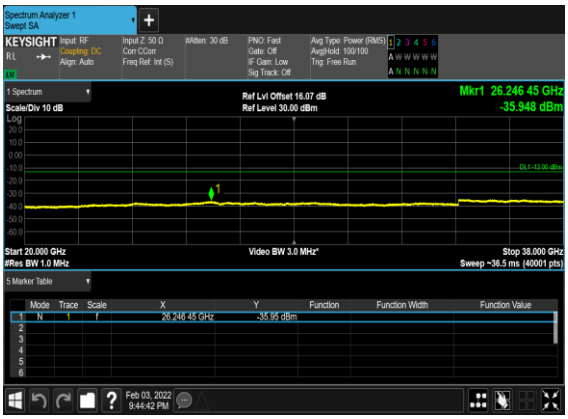
N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



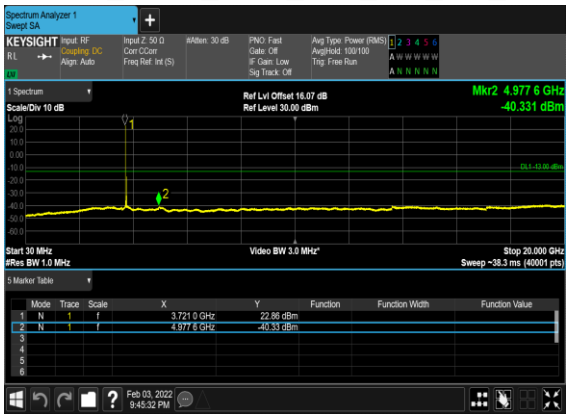
N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



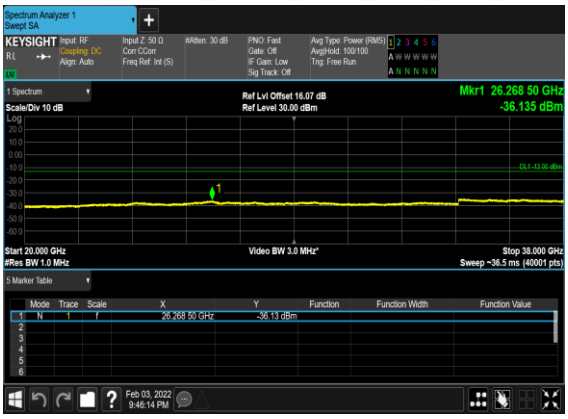
N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



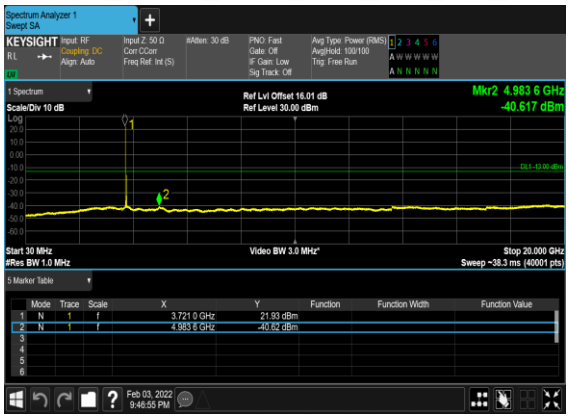
N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



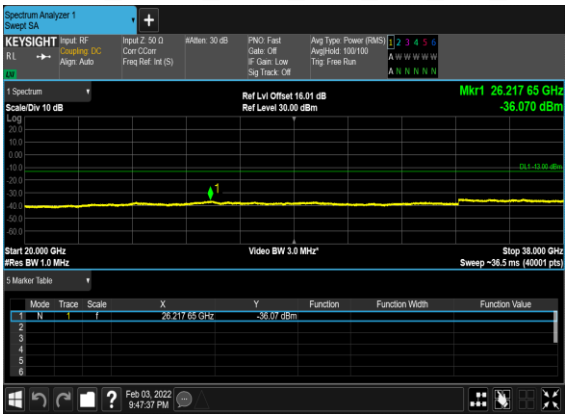
N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



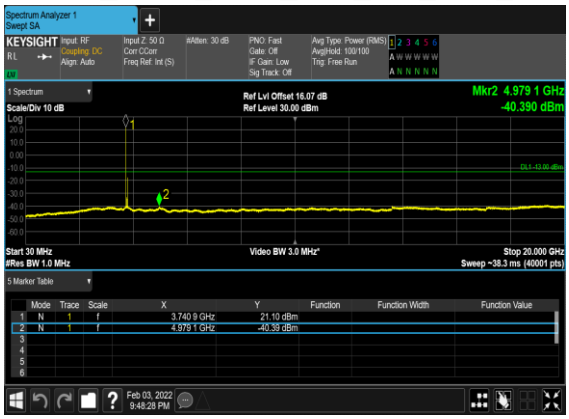
N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



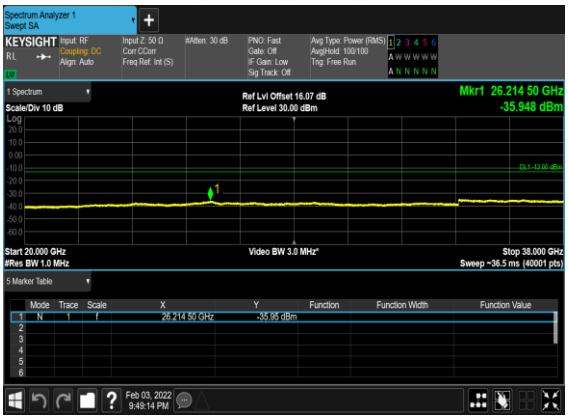
N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



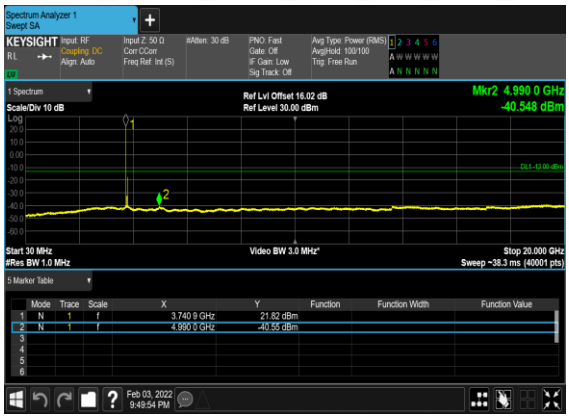
N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



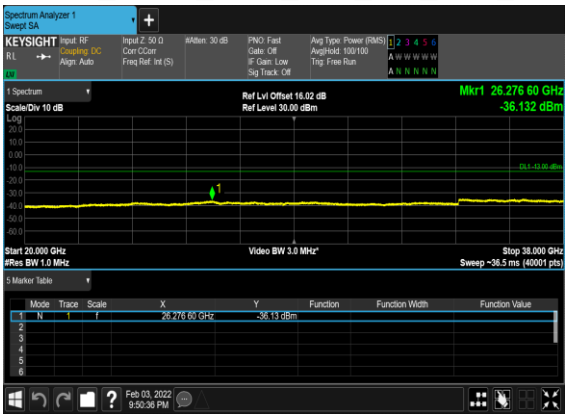
N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



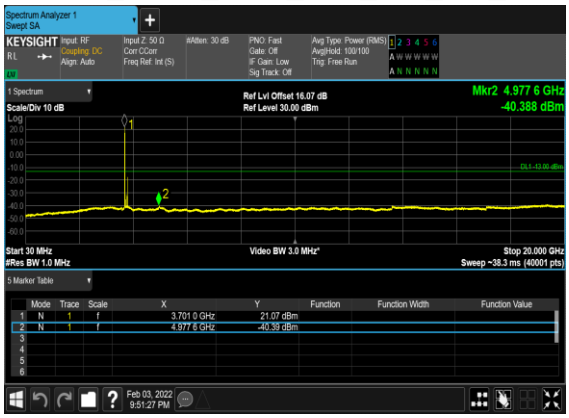
N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



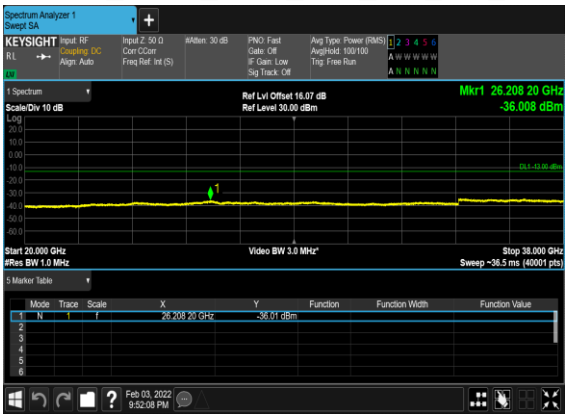
N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



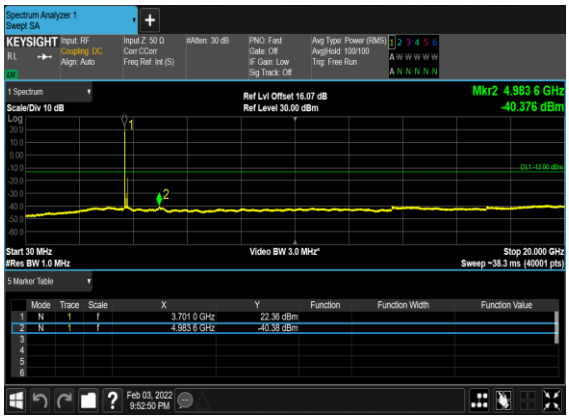
N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



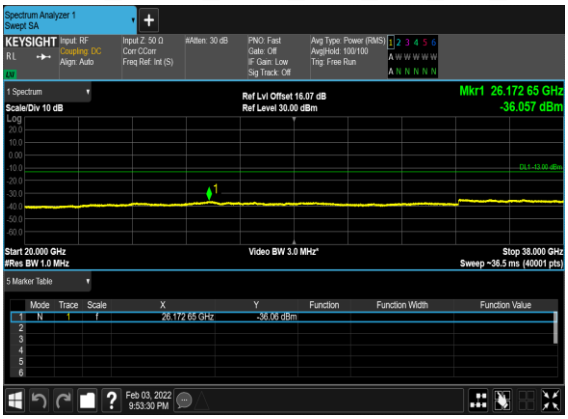
N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



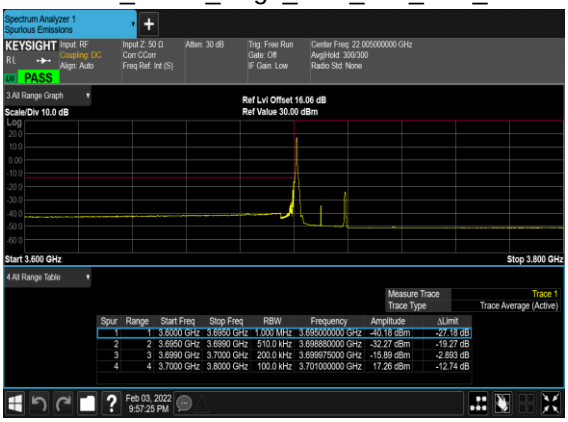
N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



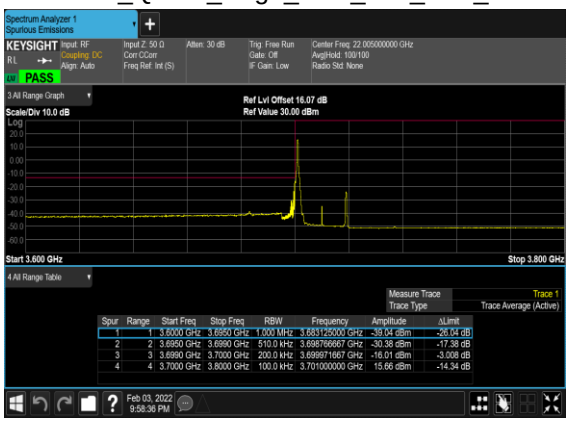
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	20	647334	3710.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	20	647334	3710.01	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
78	30	20	652666	3789.99	DFT-s-OFDM BPSK	1@50	see graph	**PASS**
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@50	see graph	**PASS**
78	30	20	652666	3789.99	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
78	30	60	648668	3730.02	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	60	648668	3730.02	DFT-s-OFDM BPSK	162@0	see graph	**PASS**
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	162@0	see graph	**PASS**
78	30	60	651332	3769.98	DFT-s-OFDM BPSK	1@161	see graph	**PASS**
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@161	see graph	**PASS**
78	30	60	651332	3769.98	DFT-s-OFDM BPSK	162@0	see graph	**PASS**
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	162@0	see graph	**PASS**
78	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@272	see graph	**PASS**
78	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@272	see graph	**PASS**
78	30	100	650000	3750.0	DFT-s-OFDM BPSK	270@0	see graph	**PASS**
78	30	100	650000	3750.0	DFT-s-OFDM QPSK	270@0	see graph	**PASS**

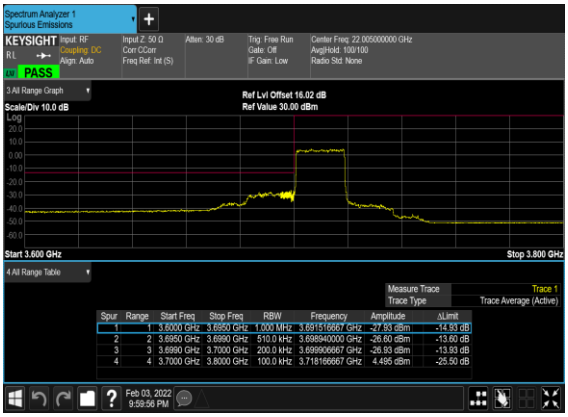
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



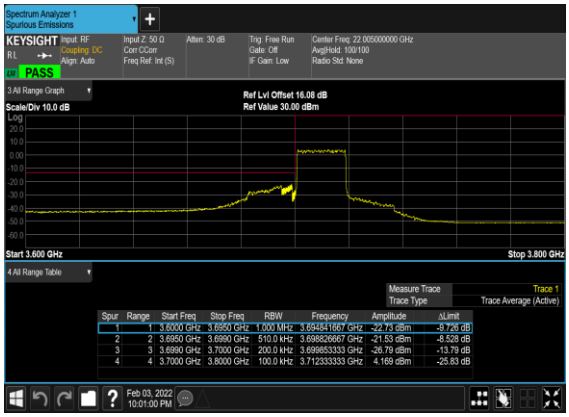
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



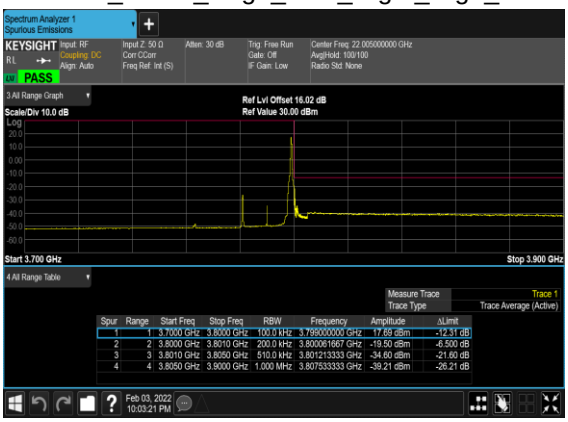
N78(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



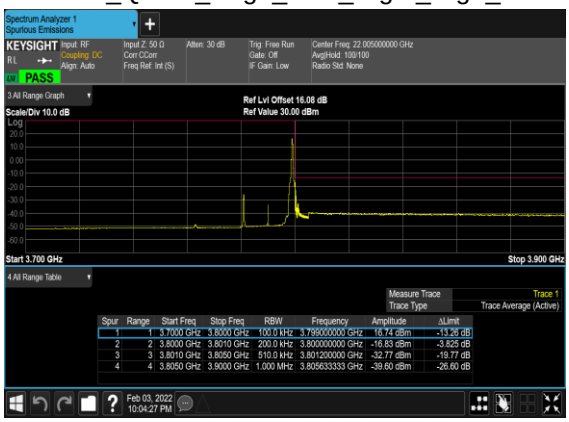
N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



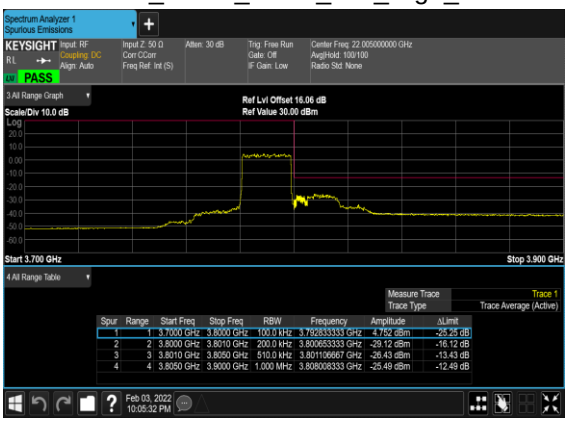
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



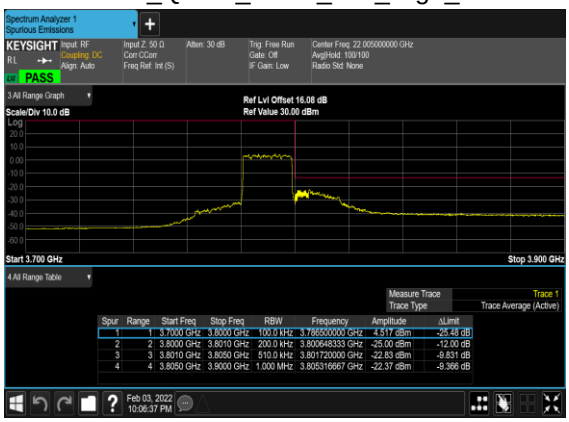
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N78(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



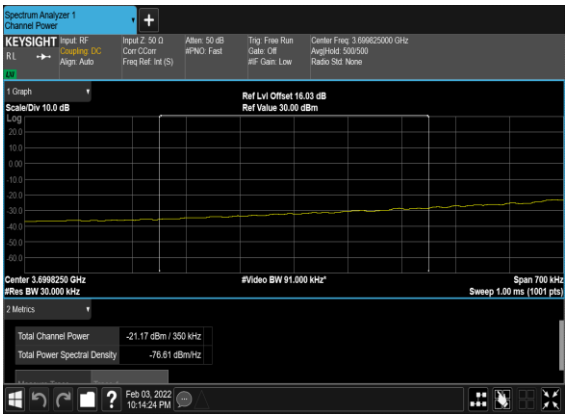
N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



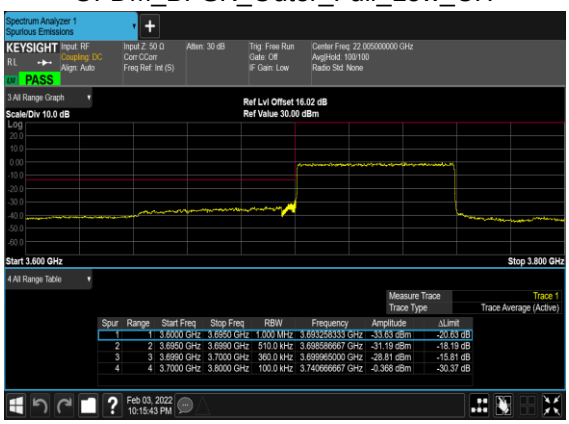
N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

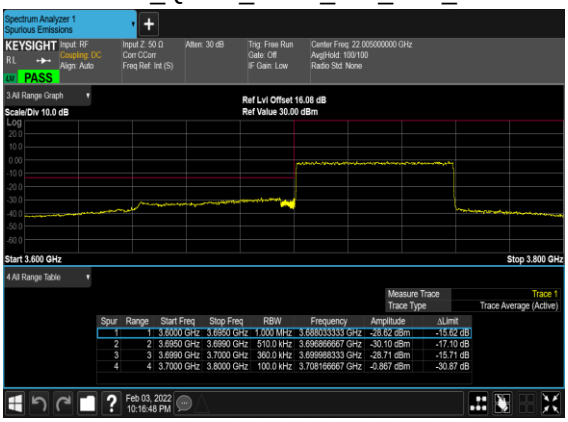
N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_**CHP**_**PASS**



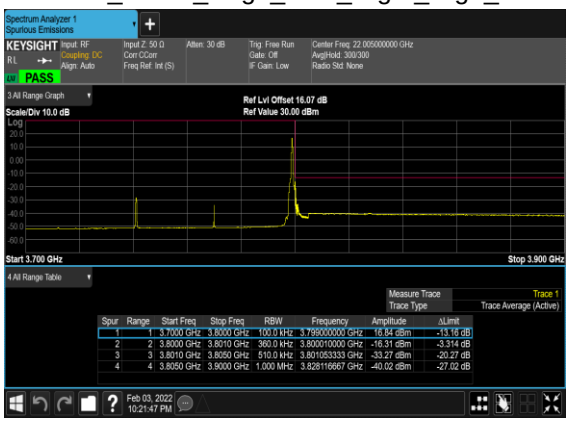
N78(60M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



N78(60M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

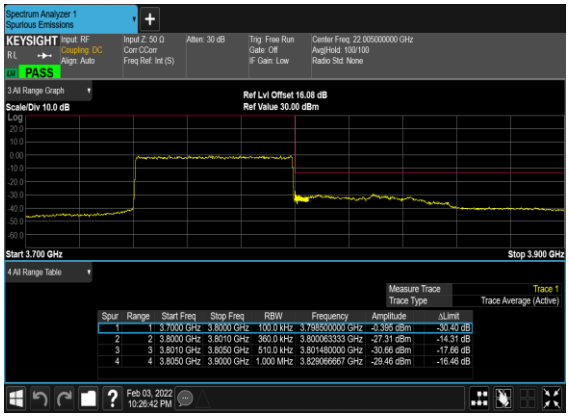


N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

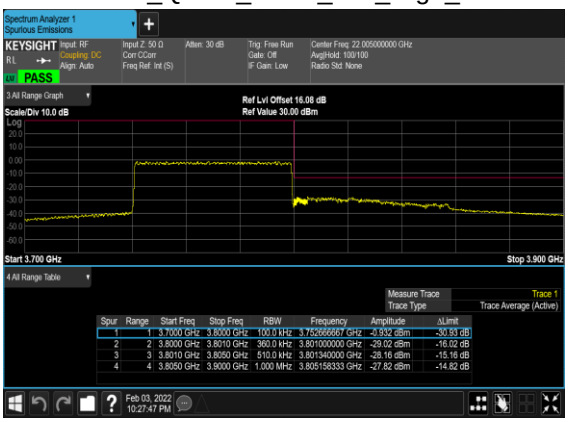


N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

N78(60M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

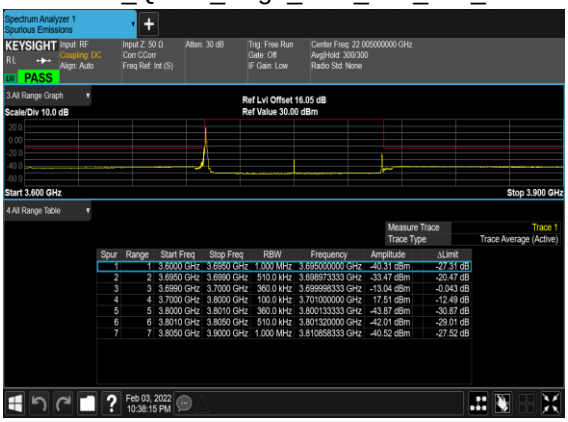


N78(60M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

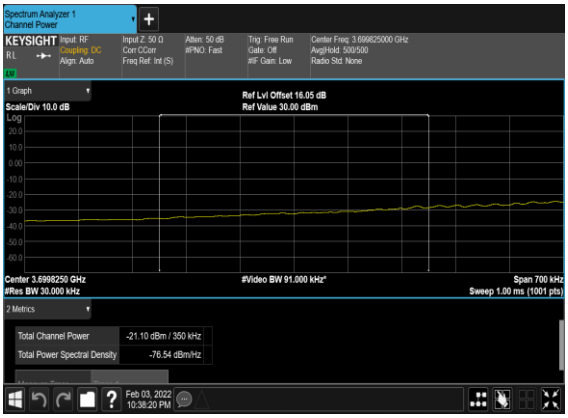


N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH_CHP_PASS



N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH

N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH

N78(100M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH

N78(100M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Chris Chen	Temperature :	22~23℃
		Relative Humidity :	41~42%

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

EN-DC_41A_n77A / LTE 10MHz + NR 100MHz / QPSK / ANT1(LTE) & ANT2(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	7584	-56.94	-13	-43.94	-67.42	2.76	13.24	H
	11376	-44.76	-13	-31.76	-54.35	3.42	13.01	H
	15168	-58.97	-13	-45.97	-68.58	3.83	13.44	H
	7584	-57.24	-13	-44.24	-67.68	2.80	13.24	V
	11376	-46.14	-13	-33.14	-55.69	3.46	13.01	V
	15168	-59.84	-13	-46.84	-69.40	3.88	13.44	V

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

SA n78 / 100MHz / QPSK / AN2								
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	7404	-61.29	-13	-48.29	-71.77	2.76	13.24	H
	11100	-47.20	-13	-34.20	-56.79	3.42	13.01	H
	14820	-60.48	-13	-47.48	-70.09	3.83	13.44	H
	7404	-59.86	-13	-46.86	-70.30	2.80	13.24	V
	11100	-49.50	-13	-36.50	-59.05	3.46	13.01	V
	14820	-60.36	-13	-47.36	-69.92	3.88	13.44	V

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

EN-DC_2A_n78A / LTE 10MHz + NR 100MHz / QPSK / ANT0(LTE) & ANT2(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	7404	-66.16	-13	-53.16	-76.64	2.76	13.24	H
	11100	-61.71	-13	-48.71	-71.30	3.42	13.01	H
	14820	-63.85	-13	-50.85	-73.46	3.83	13.44	H
	7404	-63.45	-13	-50.45	-73.89	2.80	13.24	V
	11100	-61.87	-13	-48.87	-71.42	3.46	13.01	V
	14820	-63.51	-13	-50.51	-73.07	3.88	13.44	V

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

EN-DC_7A_n78A / LTE 10MHz + NR 100MHz / QPSK / ANT5(LTE) & ANT2(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	7404	-62.75	-13	-49.75	-73.23	2.76	13.24	H
	11100	-48.30	-13	-35.30	-57.89	3.42	13.01	H
	14820	-63.57	-13	-50.57	-73.18	3.83	13.44	H
	7404	-63.57	-13	-50.57	-74.01	2.80	13.24	V
	11100	-61.73	-13	-48.73	-71.28	3.46	13.01	V
	14820	-63.83	-13	-50.83	-73.39	3.88	13.44	V

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

EN-DC_41A_n78A / LTE 10MHz + NR 100MHz / QPSK / ANT1(LTE) & ANT2(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	7404	-58.77	-13	-45.77	-69.25	2.76	13.24	H
	11100	-43.21	-13	-30.21	-52.80	3.42	13.01	H
	14820	-63.70	-13	-50.70	-73.31	3.83	13.44	H
	7404	-55.56	-13	-42.56	-66.00	2.80	13.24	V
	11100	-50.49	-13	-37.49	-60.04	3.46	13.01	V
	14820	-63.87	-13	-50.87	-73.43	3.88	13.44	V

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