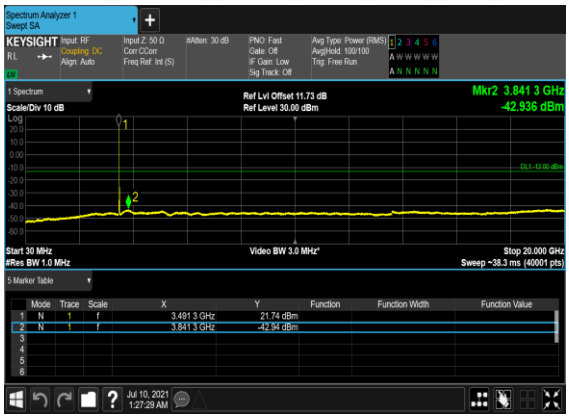
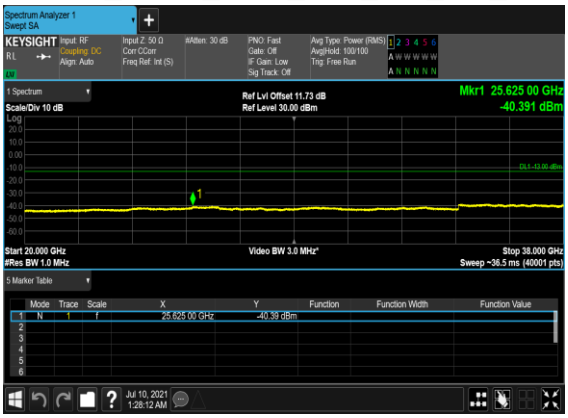
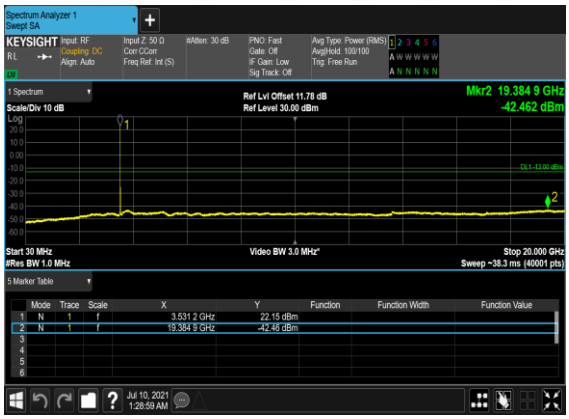
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



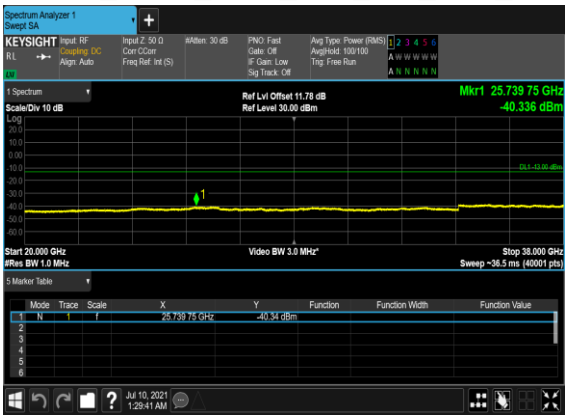
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



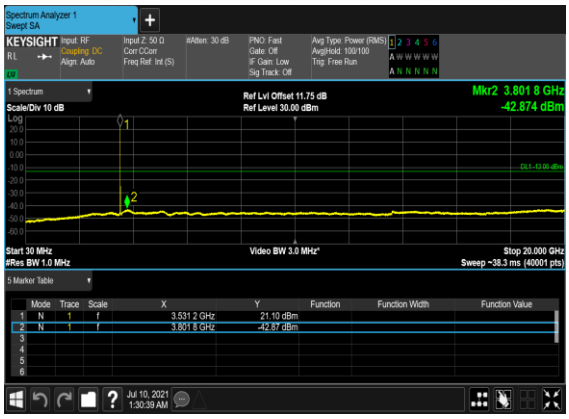
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



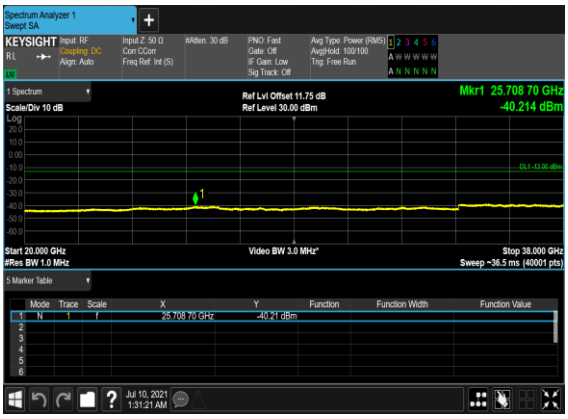
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



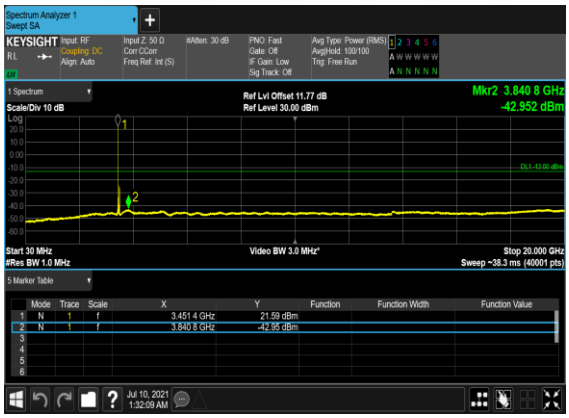
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



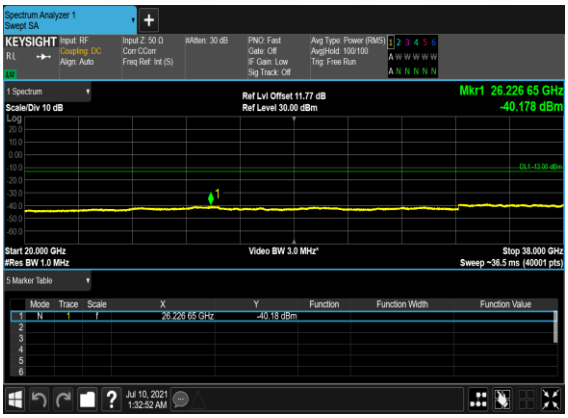
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



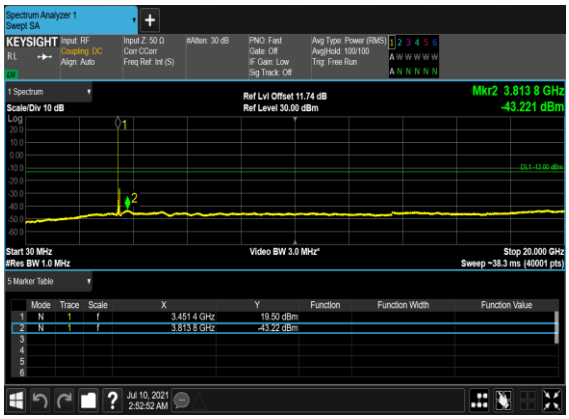
N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



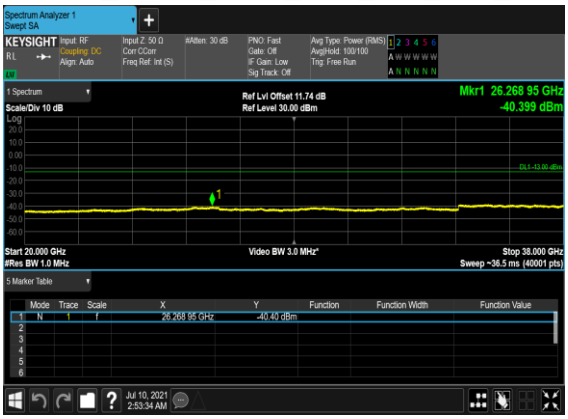
N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



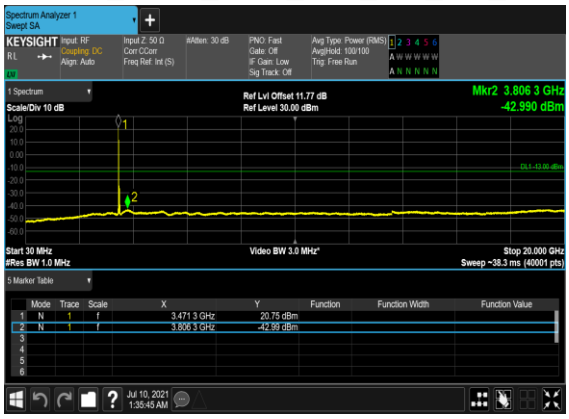
N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



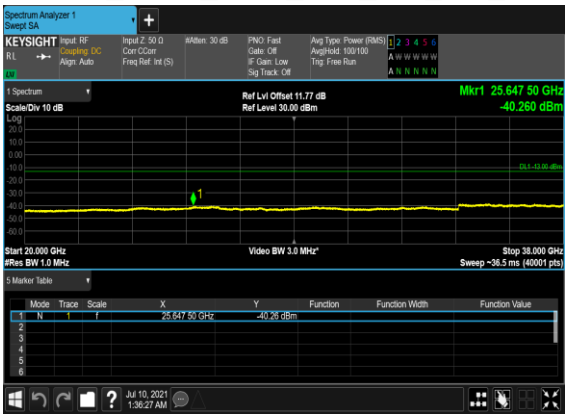
N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



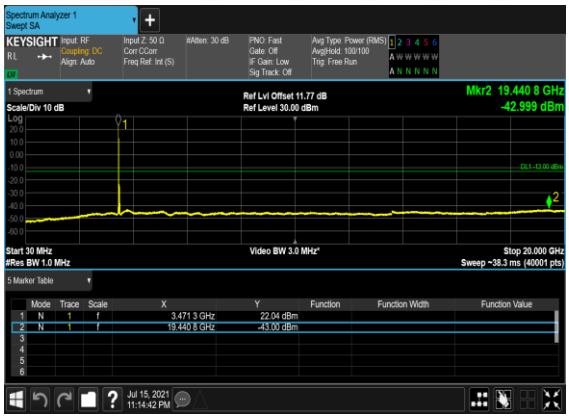
N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



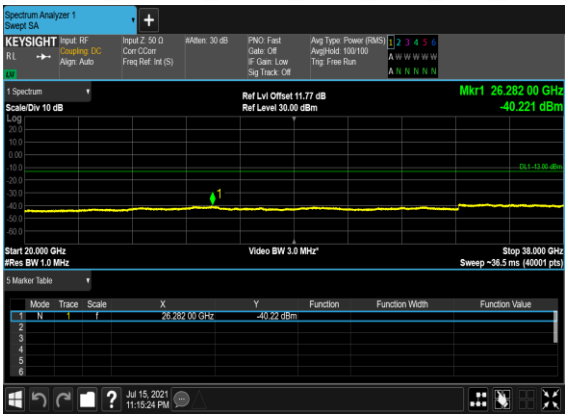
N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



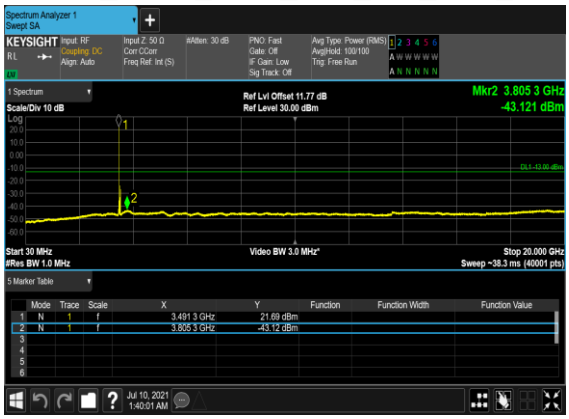
N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



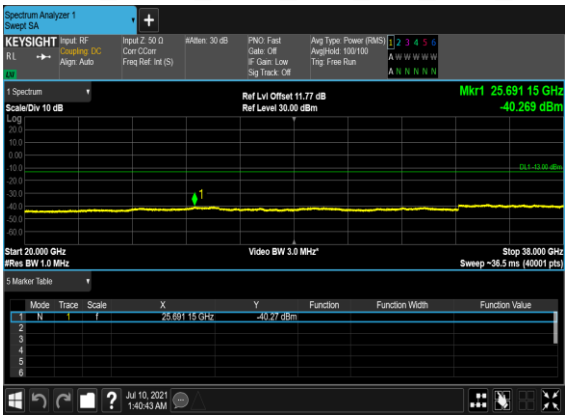
N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



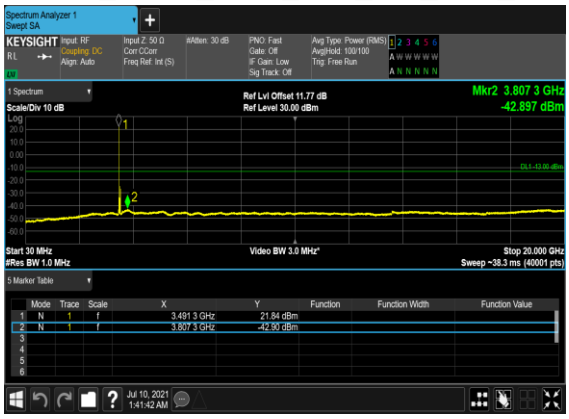
N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



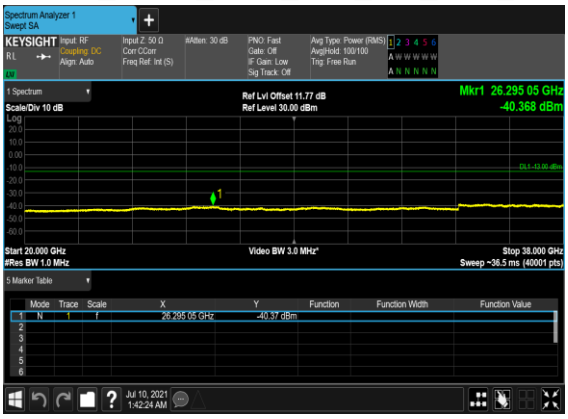
N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



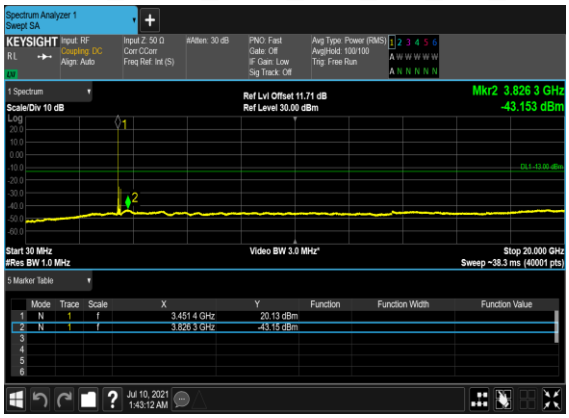
N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



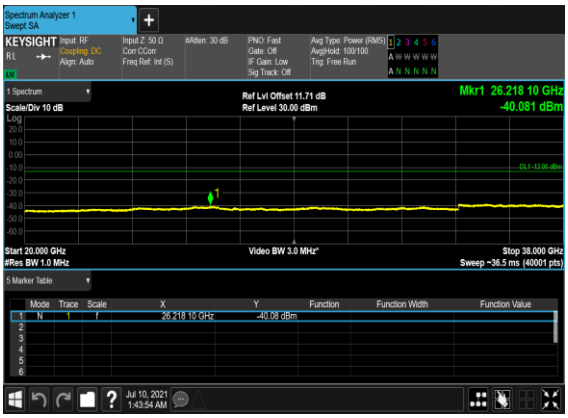
N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



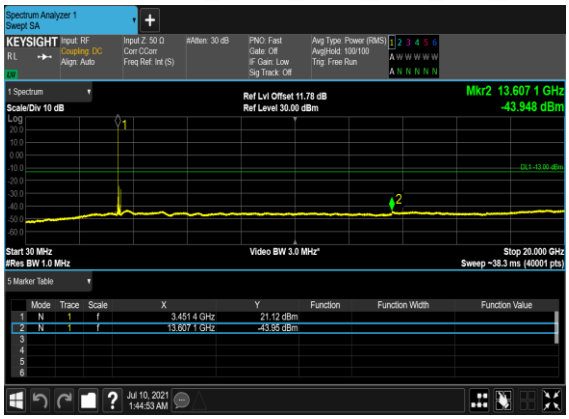
N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



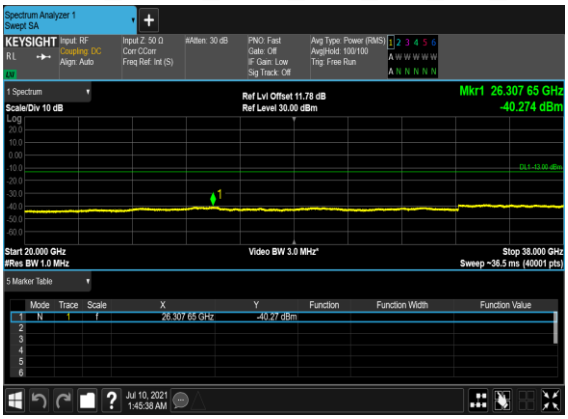
N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



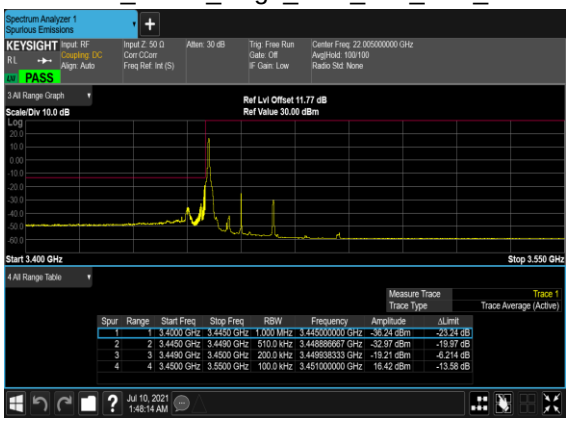
N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



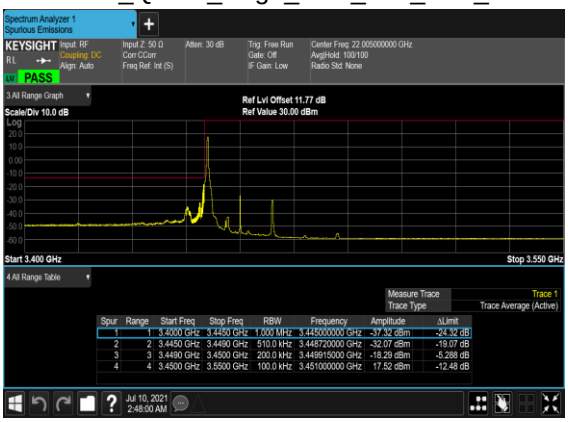
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	20	630668	3460.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	20	630668	3460.02	DFT-s-OFDM BPSK	50@0	see graph	PASS
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	50@0	see graph	PASS
78	30	20	636000	3540.0	DFT-s-OFDM BPSK	1@50	see graph	PASS
78	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@50	see graph	PASS
78	30	20	636000	3540.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
78	30	20	636000	3540.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
78	30	60	632000	3480.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	60	632000	3480.0	DFT-s-OFDM BPSK	162@0	see graph	PASS
78	30	60	632000	3480.0	DFT-s-OFDM QPSK	162@0	see graph	PASS
78	30	60	634666	3519.99	DFT-s-OFDM BPSK	1@161	see graph	PASS
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@161	see graph	PASS
78	30	60	634666	3519.99	DFT-s-OFDM BPSK	162@0	see graph	PASS
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	162@0	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@272	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@272	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM BPSK	270@0	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	270@0	see graph	PASS

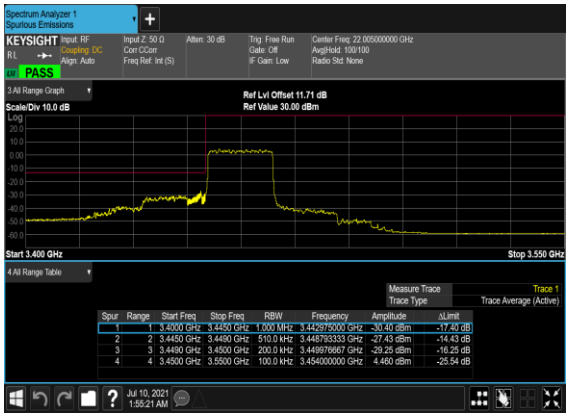
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

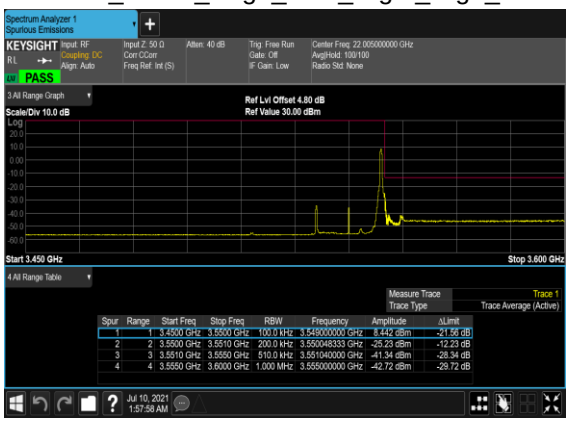


N78(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

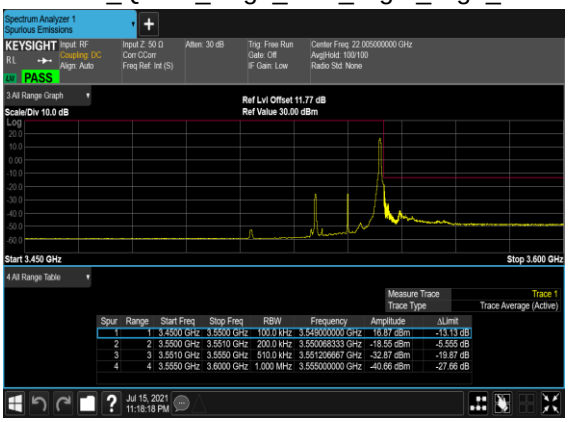


N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

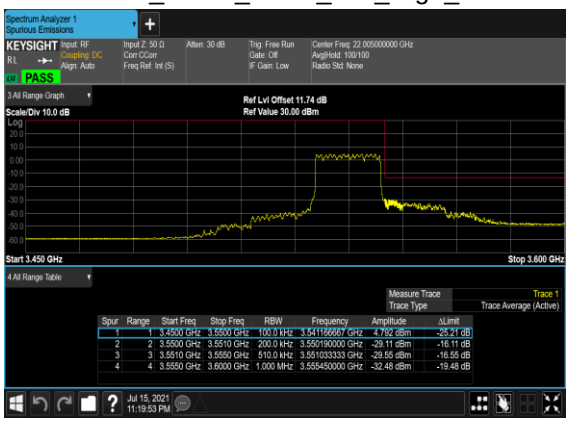
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



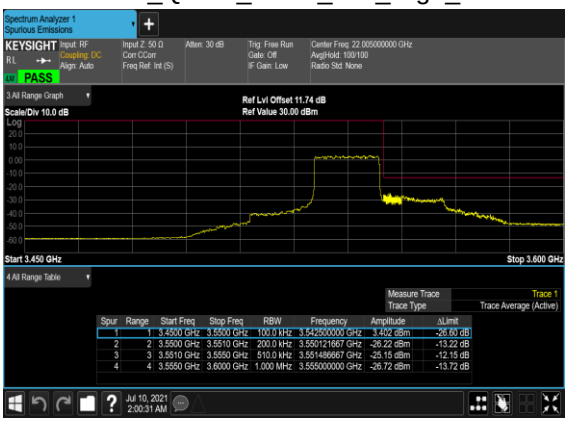
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



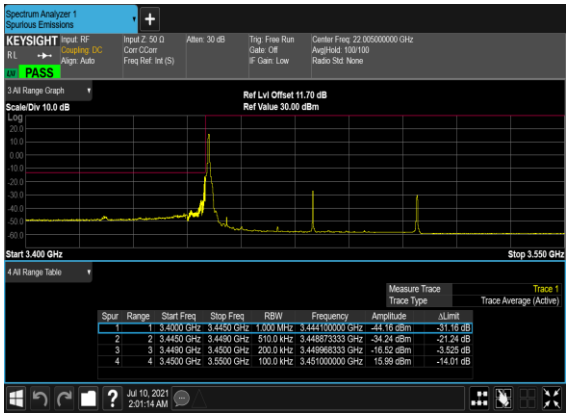
N78(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



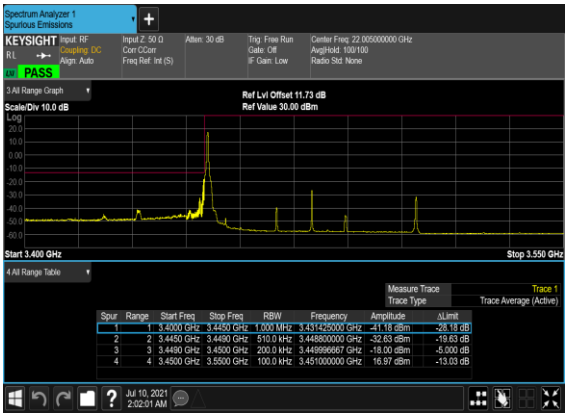
N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



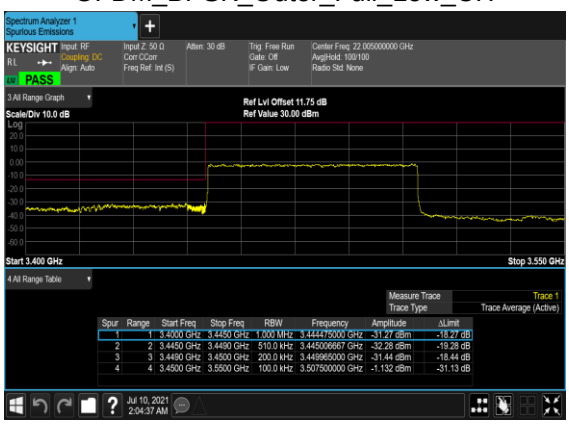
N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



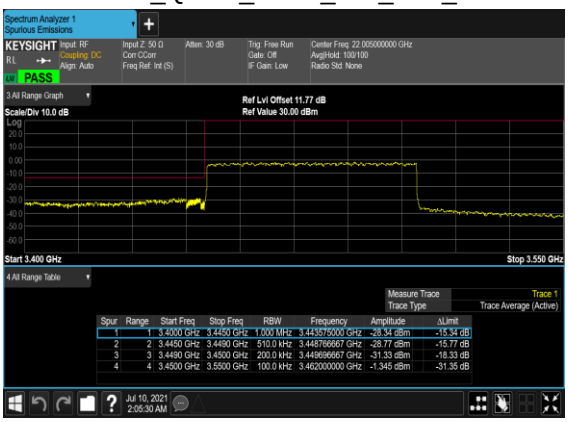
N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



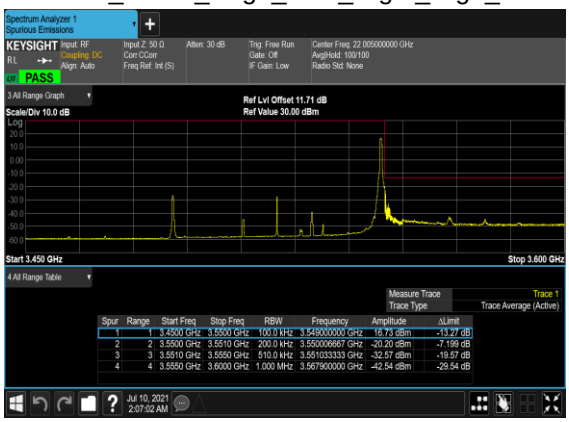
N78(60M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



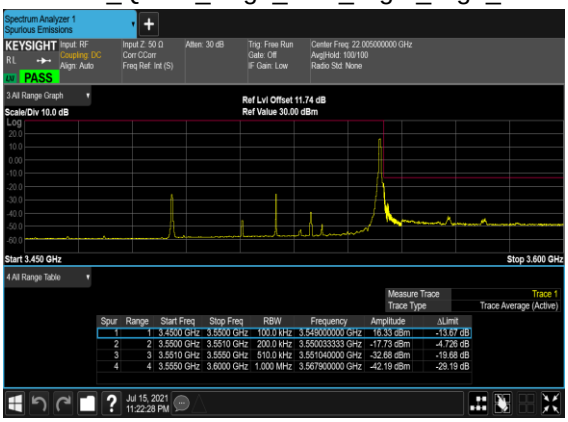
N78(60M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



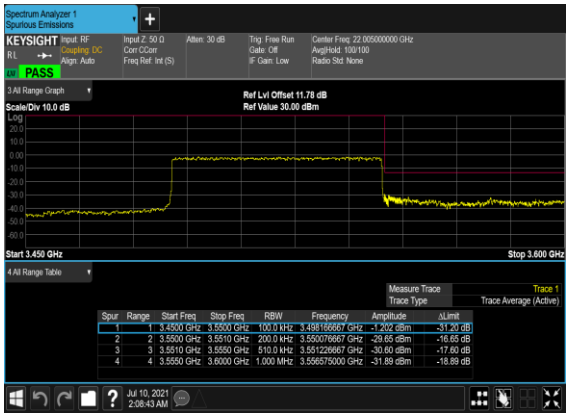
N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



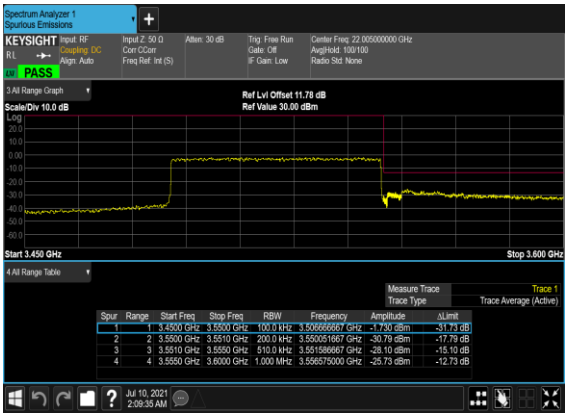
N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



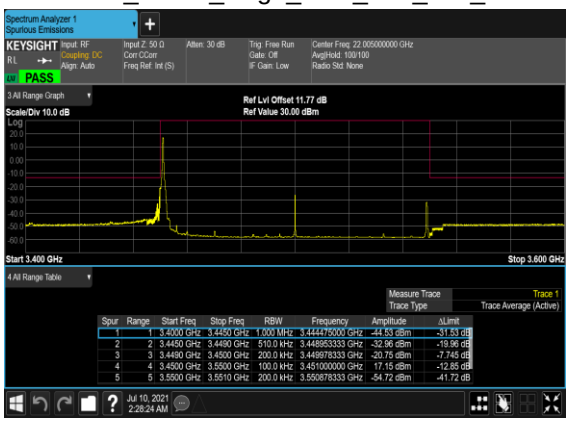
N78(60M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



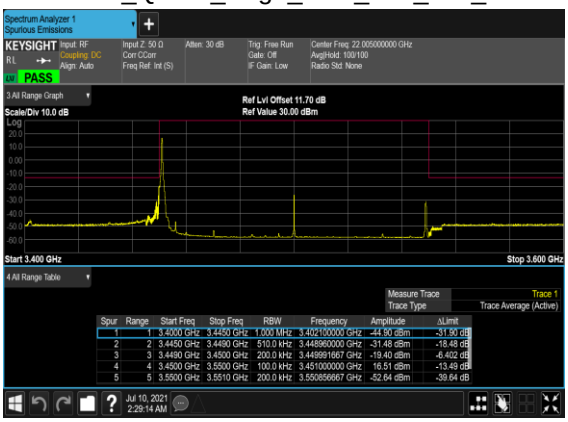
N78(60M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



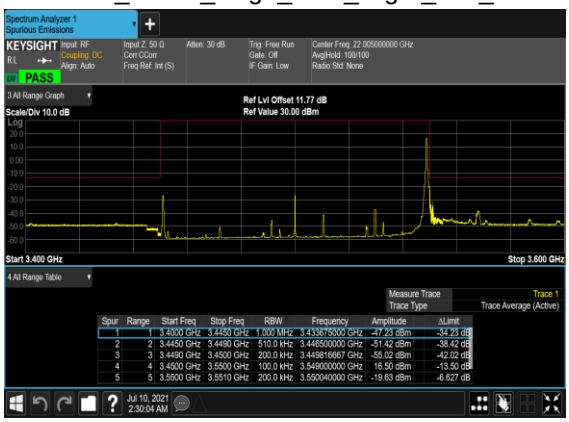
N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



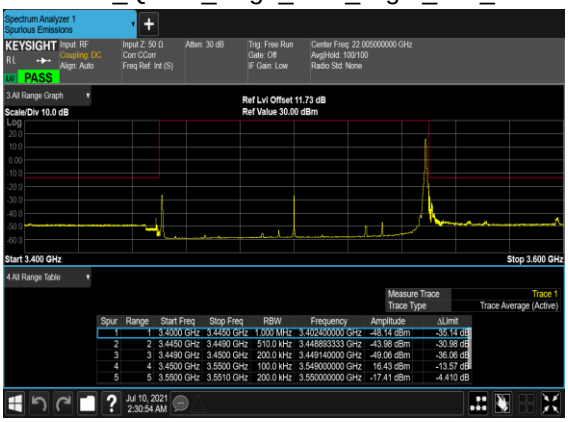
N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



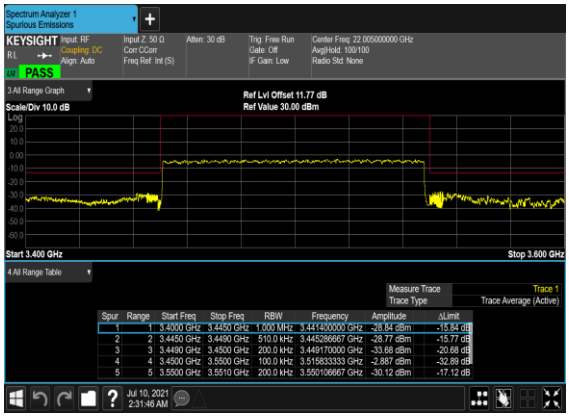
N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH



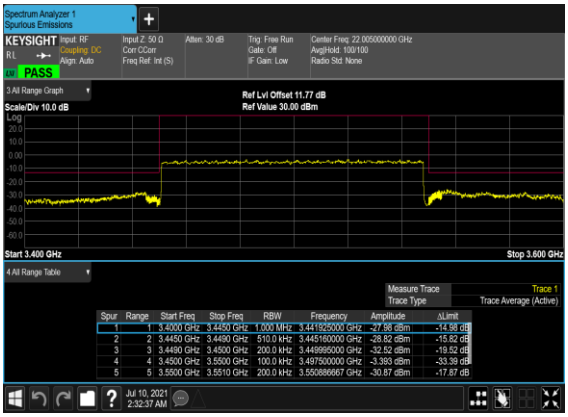
N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH



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

SA n77 / 100MHz / DFTs OFDM-QPSK								
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	-60.12	-13	-47.12	-70.60	2.76	13.24	H
	10356	-59.50	-13	-46.50	-69.09	3.42	13.01	H
	13806	-55.92	-13	-42.92	-65.53	3.83	13.44	H
	6900	-59.53	-13	-46.53	-69.97	2.80	13.24	V
	10356	-56.01	-13	-43.01	-65.56	3.46	13.01	V
	13806	-52.71	-13	-39.71	-62.27	3.88	13.44	V

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

EN-DC_5A_n78A / LTE 10MHz + NR 100MHz / QPSK DFT-s-OFDM								
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	6912	-62.11	-13	-49.11	-72.59	2.76	13.24	H
	10356	-59.22	-13	-46.22	-68.81	3.42	13.01	H
	13806	-52.75	-13	-39.75	-62.36	3.83	13.44	H
	6912	-62.20	-13	-49.20	-72.64	2.80	13.24	V
	10356	-59.76	-13	-46.76	-69.31	3.46	13.01	V
	13806	-52.58	-13	-39.58	-62.14	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 DFT-s-OFDM								
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	6912	-62.24	-13	-49.24	-72.72	2.76	13.24	H
	10368	-59.08	-13	-46.08	-68.67	3.42	13.01	H
	13806	-55.95	-13	-42.95	-65.56	3.83	13.44	H
	6912	-62.18	-13	-49.18	-72.62	2.80	13.24	V
	10368	-59.64	-13	-46.64	-69.19	3.46	13.01	V
	13806	-52.54	-13	-39.54	-62.10	3.88	13.44	V

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

EN-DC_38A_n78A / LTE 10MHz + NR 100MHz / QPSK DFT-s-OFDM								
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	-58.68	-13	-45.68	-69.16	2.76	13.24	H
	10356	-51.12	-13	-38.12	-60.71	3.42	13.01	H
	13806	-30.67	-13	-17.67	-40.28	3.83	13.44	H
	17256	-40.71	-13	-27.71	-49.73	4.41	13.43	H
	6900	-57.39	-13	-44.39	-67.83	2.80	13.24	V
	10356	-52.70	-13	-39.70	-62.25	3.46	13.01	V
	13806	-33.45	-13	-20.45	-43.01	3.88	13.44	V
	17256	-41.85	-13	-28.85	-50.82	4.46	13.43	V

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

EN-DC_66A_n78A / LTE 10MHz + NR 100MHz / QPSK DFT-s-OFDM								
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	6912	-62.06	-13	-49.06	-72.54	2.76	13.24	H
	10356	-59.20	-13	-46.20	-68.79	3.42	13.01	H
	13806	-55.45	-13	-42.45	-65.06	3.83	13.44	H
	6912	-62.39	-13	-49.39	-72.83	2.80	13.24	V
	10356	-59.81	-13	-46.81	-69.36	3.46	13.01	V
	13806	-53.09	-13	-40.09	-62.65	3.88	13.44	V

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

SA n78 / 100MHz / DFTs OFDM-QPSK								
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	-60.36	-13	-47.36	-70.84	2.76	13.24	H
	10356	-59.29	-13	-46.29	-68.88	3.42	13.01	H
	13806	-53.93	-13	-40.93	-63.54	3.83	13.44	H
	6900	-60.14	-13	-47.14	-70.58	2.80	13.24	V
	10356	-57.74	-13	-44.74	-67.29	3.46	13.01	V
	13806	-49.65	-13	-36.65	-59.21	3.88	13.44	V

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