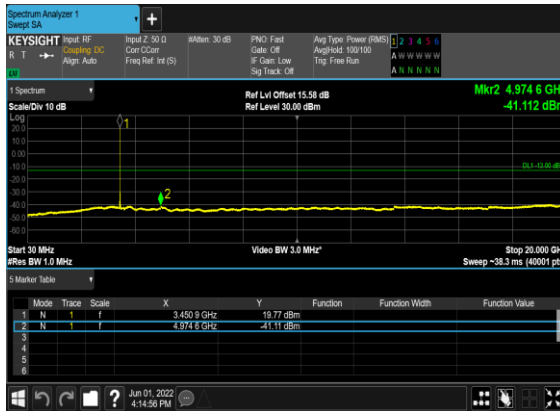
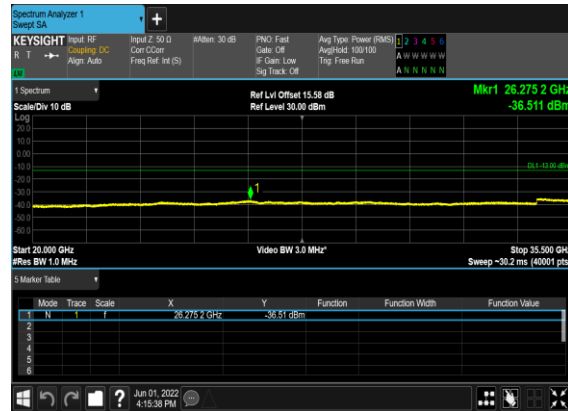


N78(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH



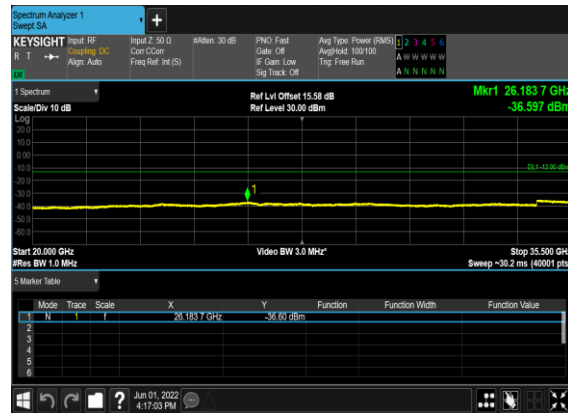
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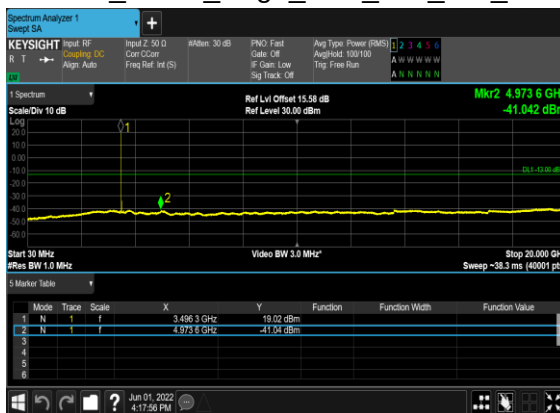
N78(10M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH



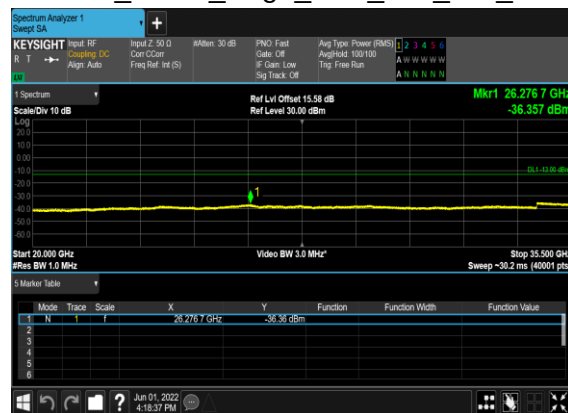
N78(10M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Mid_CH



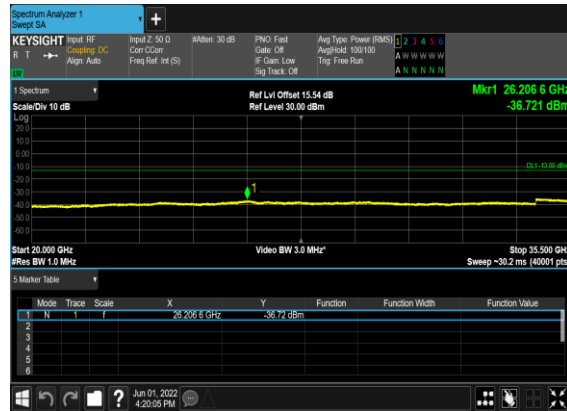
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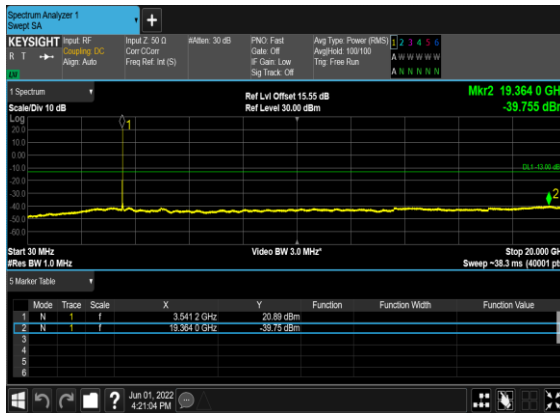
N78(10M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Mid_CH



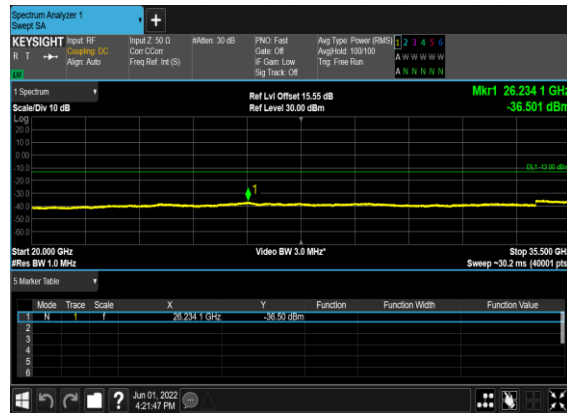
N78(10M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Mid_CH



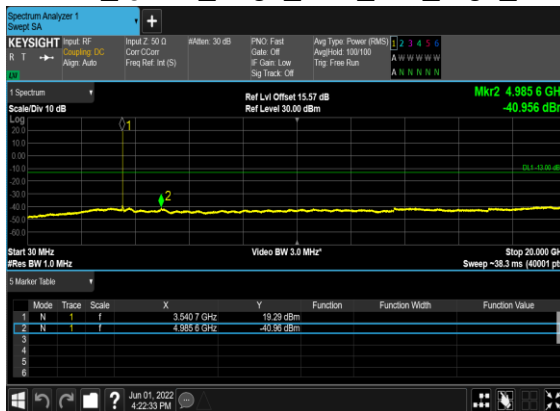
N78(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_High_CH



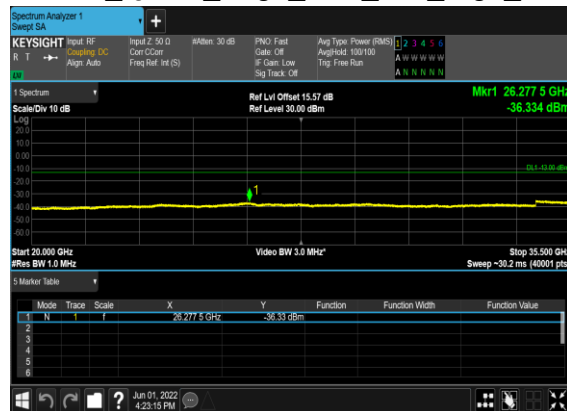
N78(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_High_CH



N78(10M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_High_CH



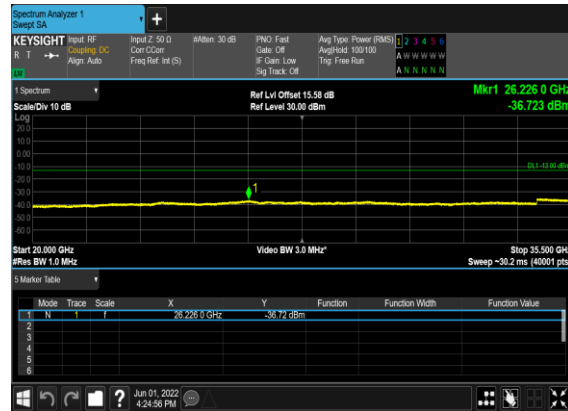
N78(10M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_High_CH



N78(50M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH



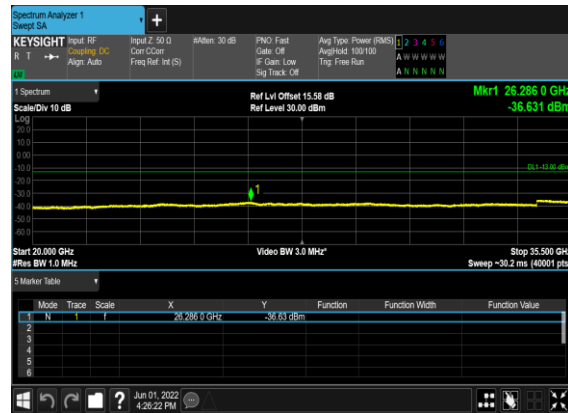
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N78(50M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH



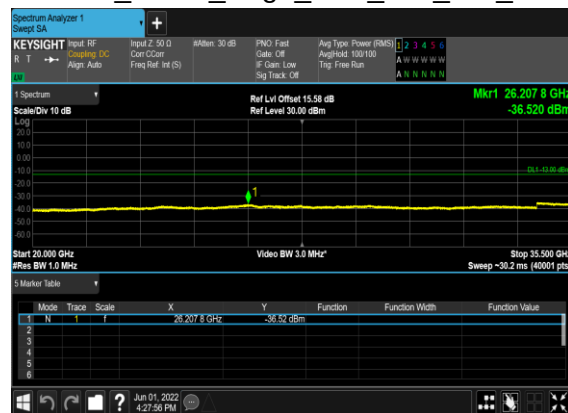
N78(50M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(50M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Mid_CH



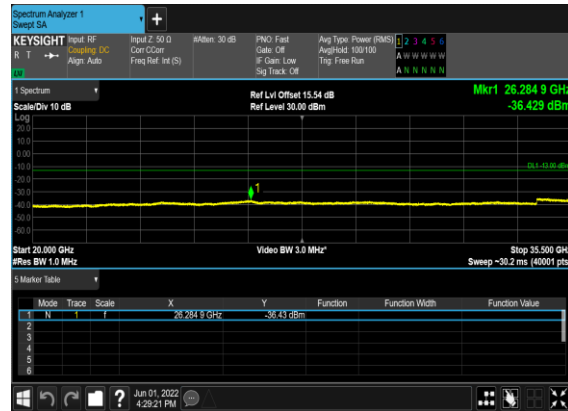
N78(50M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Mid_CH



N78(50M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Mid_CH



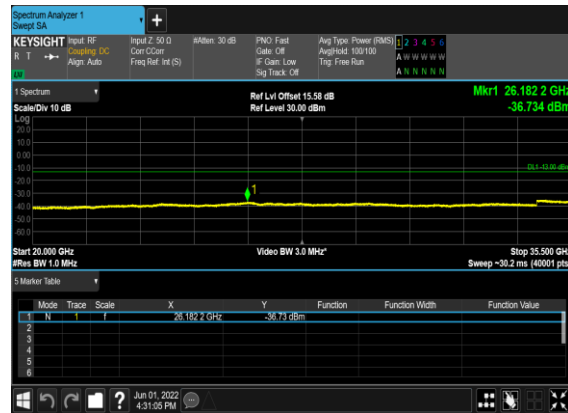
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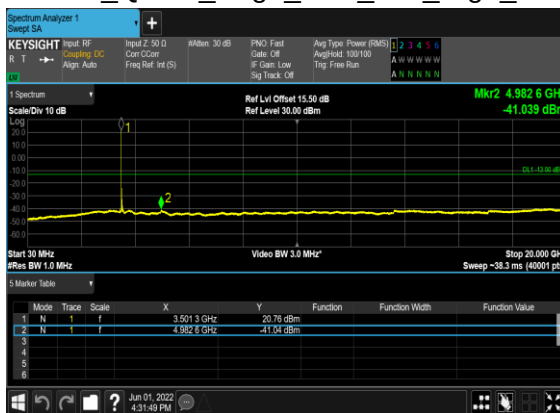
N78(50M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_High_CH



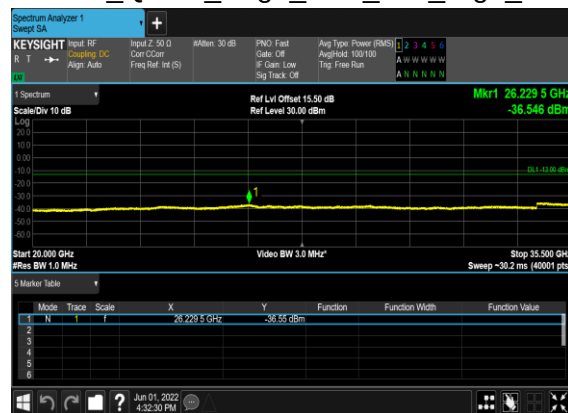
N78(50M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_High_CH



N78(50M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_High_CH



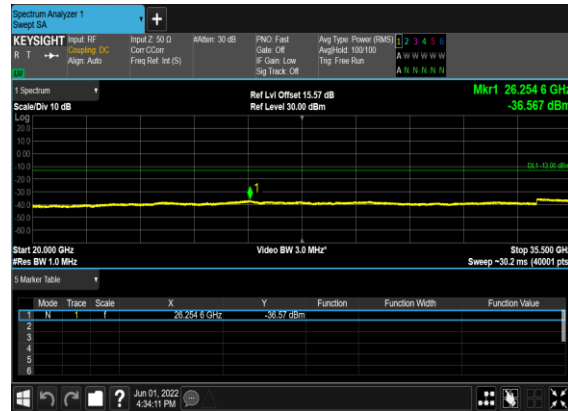
N78(50M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_High_CH



N78(100M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Mid_CH



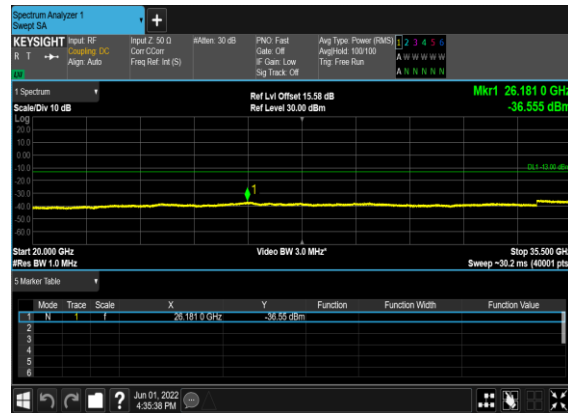
N78(100M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Mid_CH



N78(100M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Mid_CH



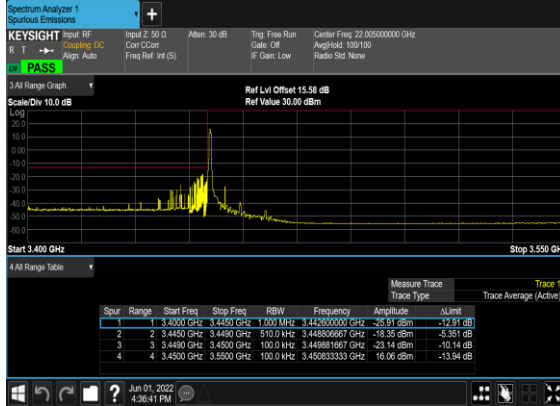
N78(100M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Mid_CH



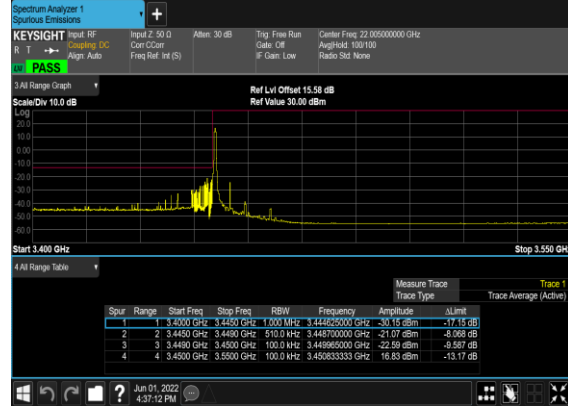
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	10	630334	3455.01	DFT-s-OFDM BPSK	24@0	see graph	PASS
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	24@0	see graph	PASS
78	30	10	636332	3544.98	DFT-s-OFDM BPSK	1@23	see graph	PASS
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@23	see graph	PASS
78	30	10	636332	3544.98	DFT-s-OFDM BPSK	24@0	see graph	PASS
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	24@0	see graph	PASS
78	30	50	631668	3475.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	50	631668	3475.02	DFT-s-OFDM BPSK	128@0	see graph	PASS
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	128@0	see graph	PASS
78	30	50	635000	3525.0	DFT-s-OFDM BPSK	1@132	see graph	PASS
78	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@132	see graph	PASS
78	30	50	635000	3525.0	DFT-s-OFDM BPSK	128@0	see graph	PASS
78	30	50	635000	3525.0	DFT-s-OFDM QPSK	128@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

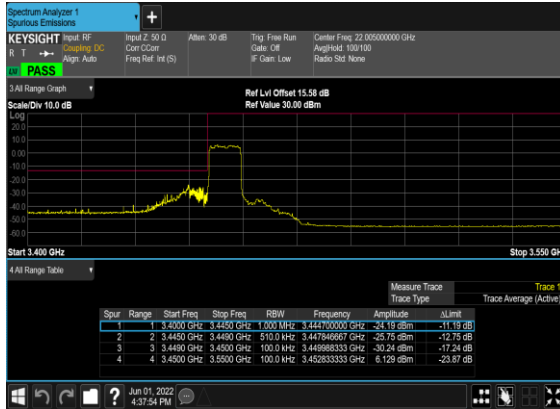
N78(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



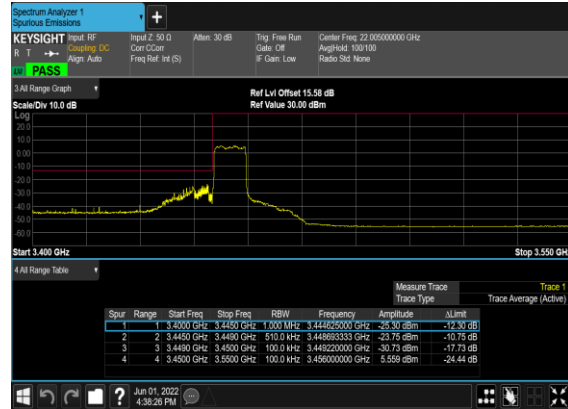
N78(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



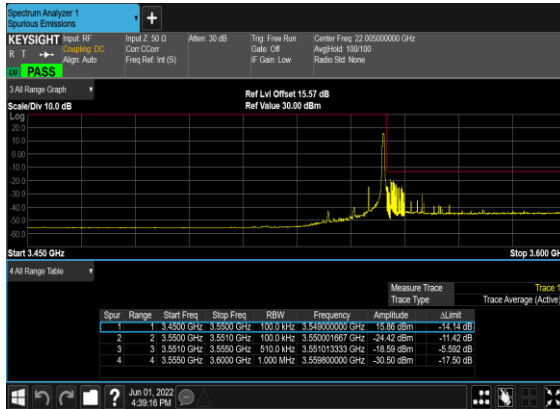
N78(10M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



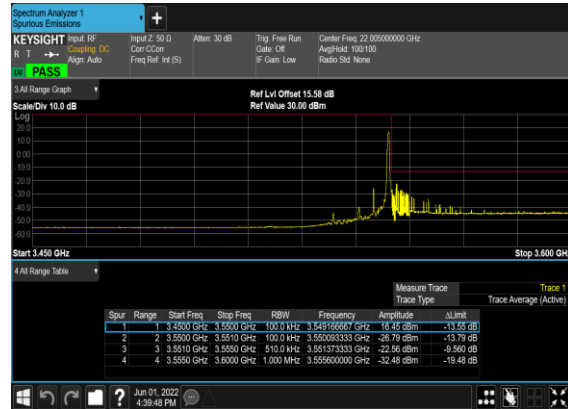
N78(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



N78(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



N78(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



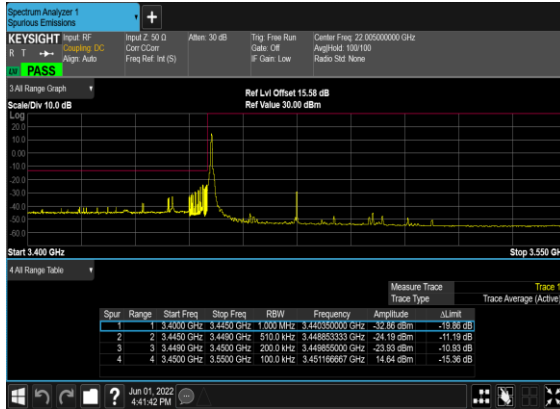
N78(10M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



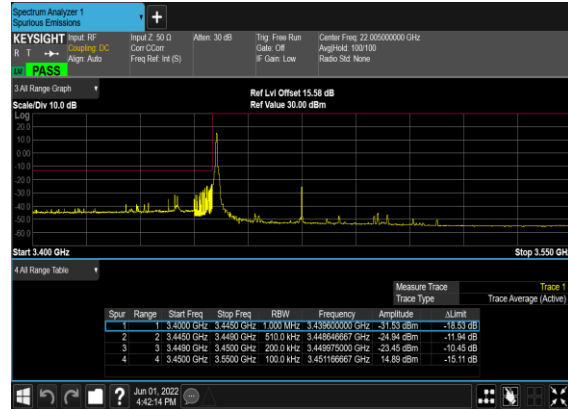
N78(10M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



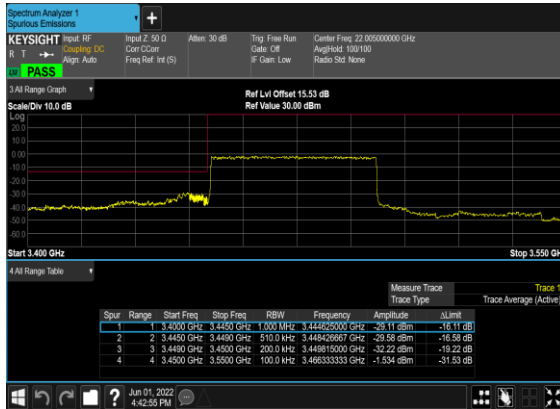
N78(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



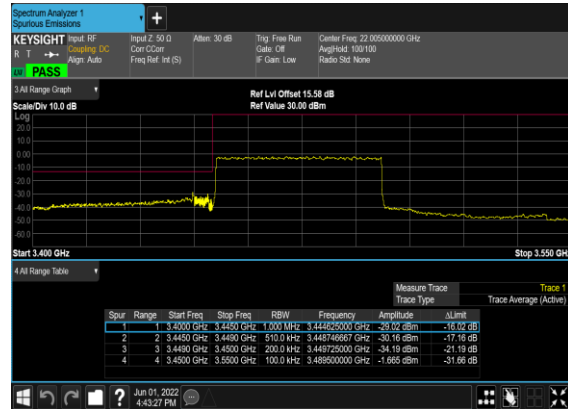
N78(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(50M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



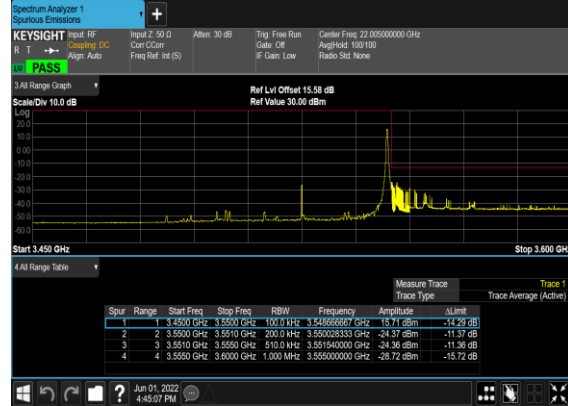
N78(50M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



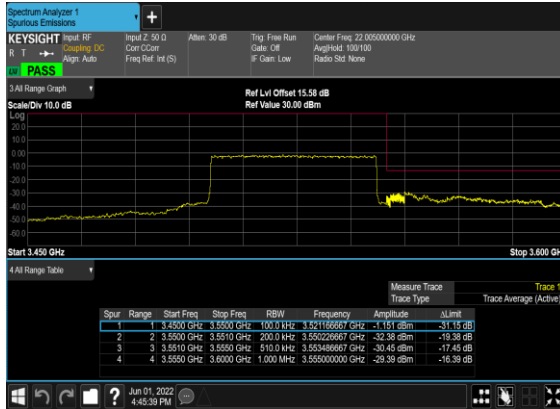
N78(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



N78(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



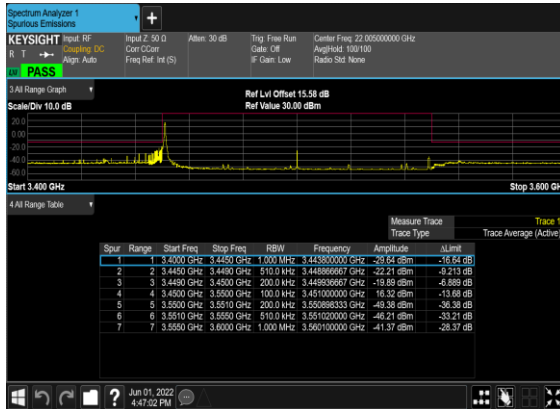
N78(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



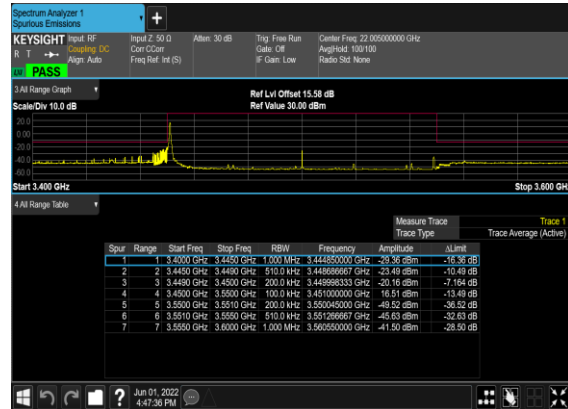
N78(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



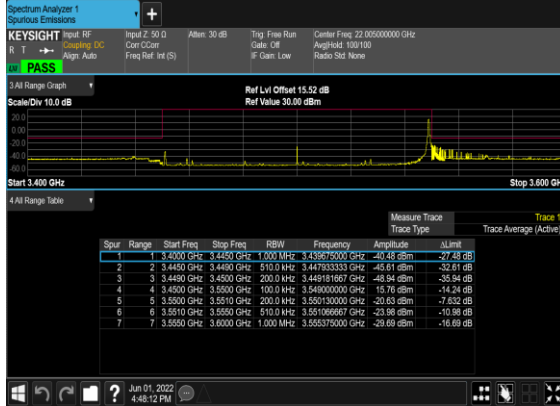
N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



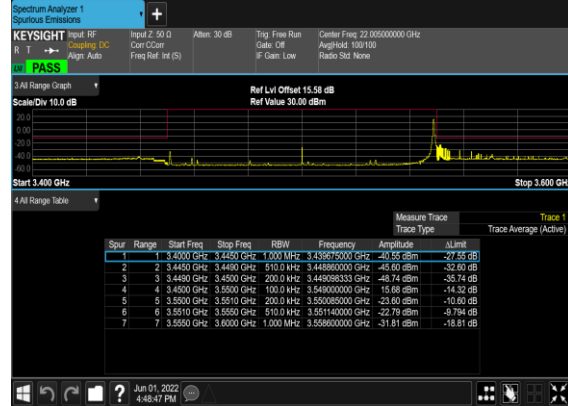
N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



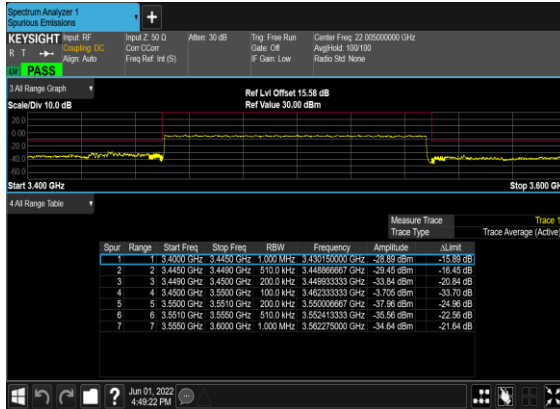
N78(100M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_Mid_CH



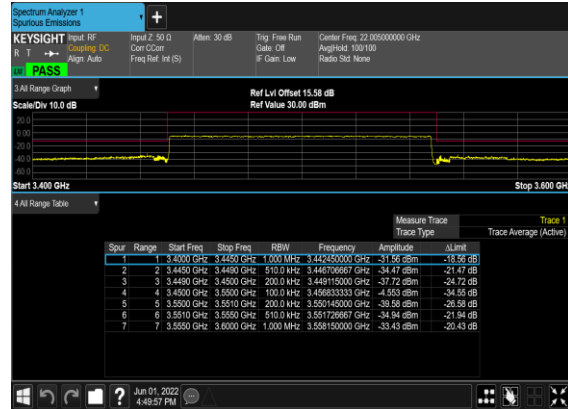
N78(100M)_DFT-s- OFDM_QPSK_Edge_1RB_Right_Mid_CH



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

Test Engineer :	Zhicheng Li	Temperature :	22~25°C
		Relative Humidity :	48~52%

n77 SA / NR 100MHz / QPSK / ANT6									
Channel	Frequency (MHz)	ERP (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	7632.50	-41.80	-13	-28.80	-43.81	-45.10	8.30	11.60	H
	11448.75	-55.38	-13	-42.38	-65.47	-56.90	10.48	12.00	H
	15265.00	-54.81	-13	-41.81	-64.10	-56.51	11.80	13.50	H
	7632.50	-38.91	-13	-25.91	-40.73	-42.21	8.30	11.60	V
	11448.75	-55.41	-13	-42.41	-65.33	-56.93	10.48	12.00	V
	15265.00	-54.53	-13	-41.53	-64.06	-56.23	11.80	13.50	V

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

EN-DC_41A_n77A / LTE 10MHz + NR 100MHz / QPSK / ANT1(LTE) & ANT6(NR)									
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)
NR n77 Middle	7632.50	-55.48	-13	-42.48	-57.49	-58.78	8.30	11.60	H
	11448.75	-55.32	-13	-42.32	-65.41	-56.84	10.48	12.00	H
	15265.00	-54.54	-13	-41.54	-63.83	-56.24	11.80	13.50	H
	7632.50	-54.30	-13	-41.3	-56.12	-57.60	8.30	11.60	V
	11448.75	-54.85	-13	-41.85	-64.77	-56.37	10.48	12.00	V
	15265.00	-54.93	-13	-41.93	-64.46	-56.63	11.80	13.50	V
LTE Band 41 Middle	5177.00	-60.86	-25	-35.86	-78.14	-66.42	7.14	12.70	H
	7765.50	-59.81	-25	-34.81	-62.22	-63.11	8.30	11.60	H
	10354.00	-56.58	-25	-31.58	-63.55	-58.10	10.48	12.00	H
	5177.00	-60.97	-25	-35.97	-78.19	-66.53	7.14	12.70	V
	7765.50	-59.61	-25	-34.61	-62	-62.91	8.30	11.60	V
	10354.00	-57.39	-25	-32.39	-64.16	-58.91	10.48	12.00	V

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

n78(HPUE) SA / NR 100MHz / QPSK / ANT6									
Channel	Frequency (MHz)	ERP (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	6901.50	-49.24	-13	-36.24	-49.13	-54.80	7.14	12.70	H
	10352.25	-57.07	-13	-44.07	-64.04	-60.37	8.30	11.60	H
	13803.00	-52.38	-13	-39.38	-64.55	-53.90	10.48	12.00	H
	6901.50	-57.55	-13	-44.55	-57.36	-63.11	7.14	12.70	V
	10352.25	-57.45	-13	-44.45	-64.21	-60.75	8.30	11.60	V
	13803.00	-52.41	-13	-39.41	-64.27	-53.93	10.48	12.00	V

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

EN-DC_7A_n78A / LTE 10MHz + NR 100MHz / QPSK / ANT1(LTE) & ANT6(NR)									
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)
NR n78 Middle	6902.50	-61.27	-13	-48.27	-61.16	-64.57	8.30	11.60	H
	10122.36	-56.70	-13	-43.7	-64.08	-58.22	10.48	12.00	H
	13803.00	-53.26	-13	-40.26	-65.43	-54.96	11.80	13.50	H
	6902.50	-58.39	-13	-45.39	-58.21	-61.69	8.30	11.60	V
	10122.36	-56.84	-13	-43.84	-63.75	-58.36	10.48	12.00	V
	13803.00	-53.55	-13	-40.55	-65.41	-55.25	11.80	13.50	V
LTE Band 7 Middle	5177.00	-61.29	-25	-36.29	-78.57	-66.85	7.14	12.70	H
	7765.50	-59.44	-25	-34.44	-61.85	-62.74	8.30	11.60	H
	10354.00	-56.88	-25	-31.88	-63.85	-58.40	10.48	12.00	H
	5177.00	-61.61	-25	-36.61	-78.83	-67.17	7.14	12.70	V
	7765.50	-59.74	-25	-34.74	-62.13	-63.04	8.30	11.60	V
	10354.00	-57.36	-25	-32.36	-64.13	-58.88	10.48	12.00	V

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

———— THE END ————