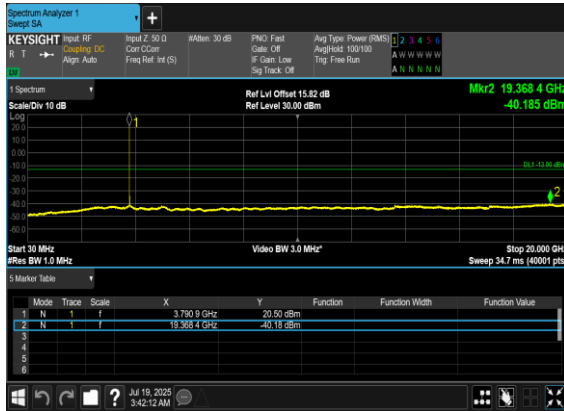
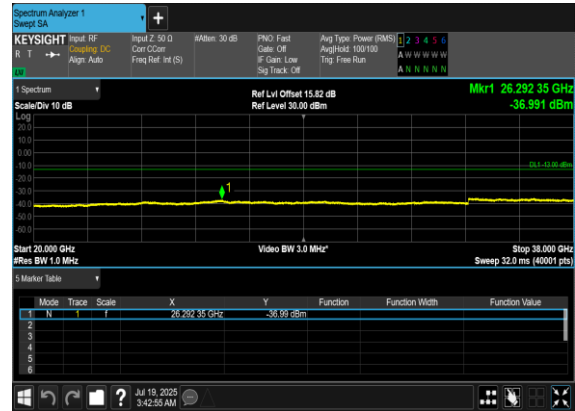




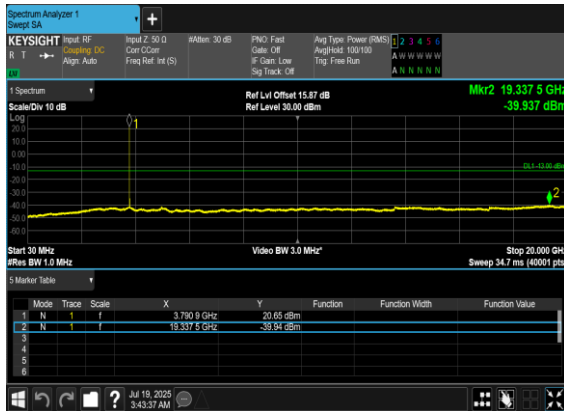
N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



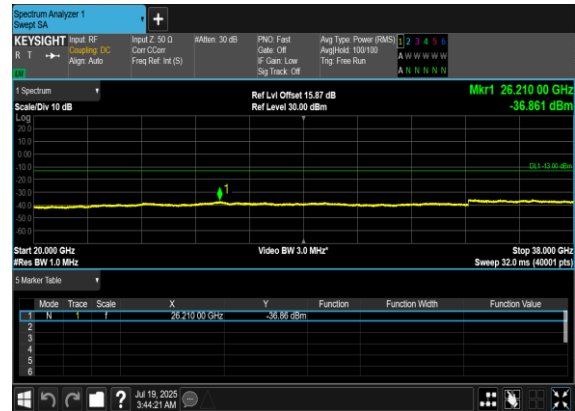
N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

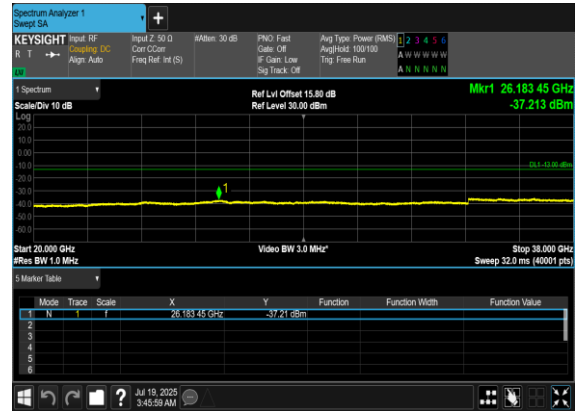




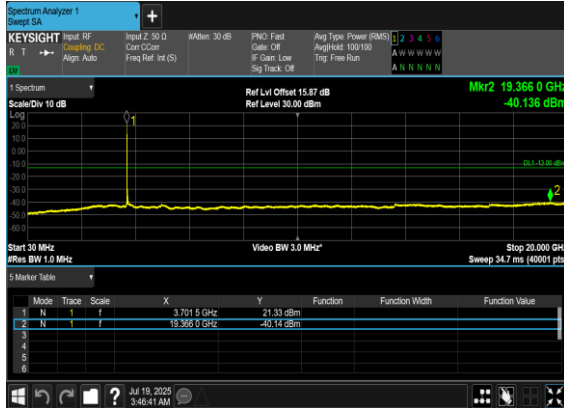
N78(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



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_QPSK_Edge_1RB_Left_Low_CH

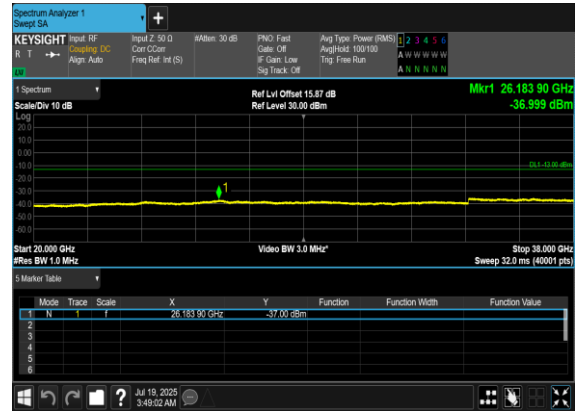




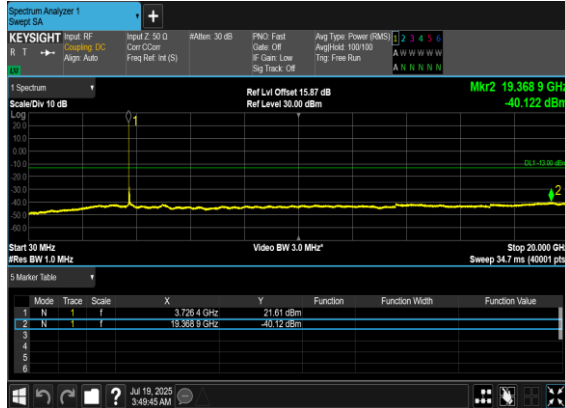
N78(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N78(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N78(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

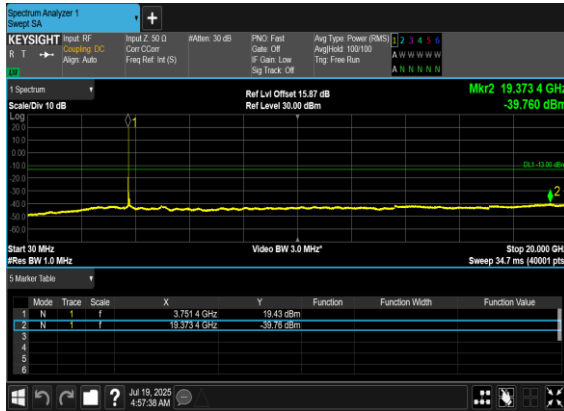


N78(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

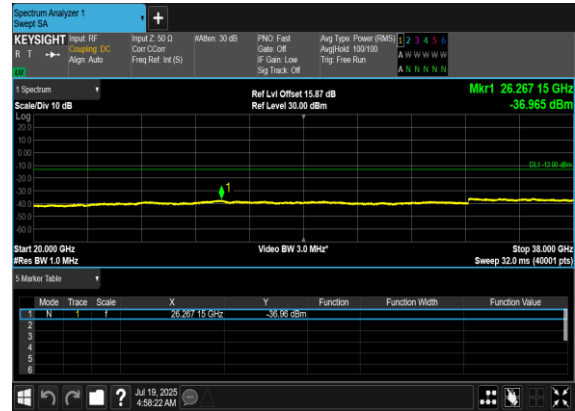




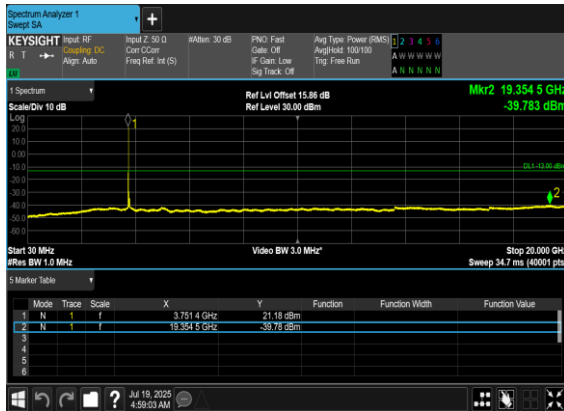
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OFDM_BPSK_Edge_1RB_Left_High_CH



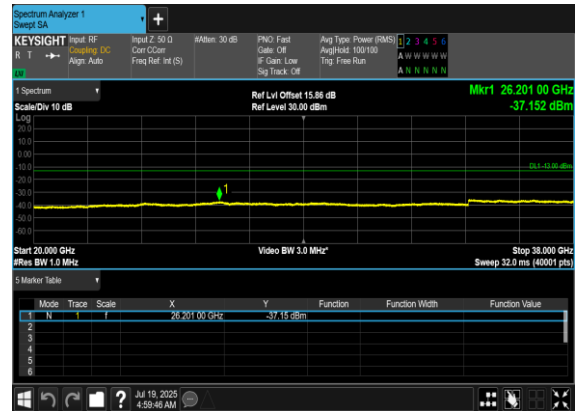
N78(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N78(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



N78(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH





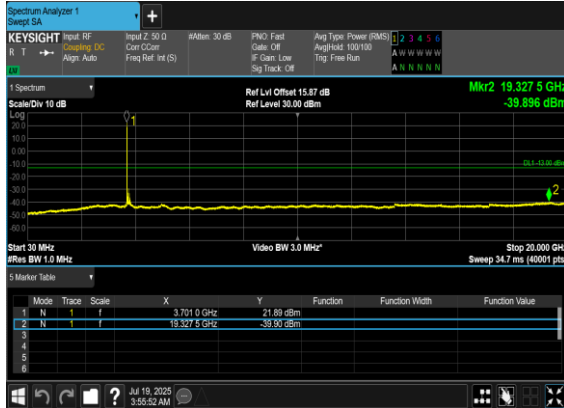
N78(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



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	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	10	647000	3705.0	DFT-s-OFDM BPSK	24@0	see graph	PASS
78	30	10	647000	3705.0	DFT-s-OFDM QPSK	24@0	see graph	PASS
78	30	10	653000	3795.0	DFT-s-OFDM BPSK	1@23	see graph	PASS
78	30	10	653000	3795.0	DFT-s-OFDM QPSK	1@23	see graph	PASS
78	30	10	653000	3795.0	DFT-s-OFDM BPSK	24@0	see graph	PASS
78	30	10	653000	3795.0	DFT-s-OFDM QPSK	24@0	see graph	PASS
78	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	50	648334	3725.01	DFT-s-OFDM BPSK	128@0	see graph	PASS
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	128@0	see graph	PASS
78	30	50	651666	3774.99	DFT-s-OFDM BPSK	1@132	see graph	PASS
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@132	see graph	PASS
78	30	50	651666	3774.99	DFT-s-OFDM BPSK	128@0	see graph	PASS
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	128@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



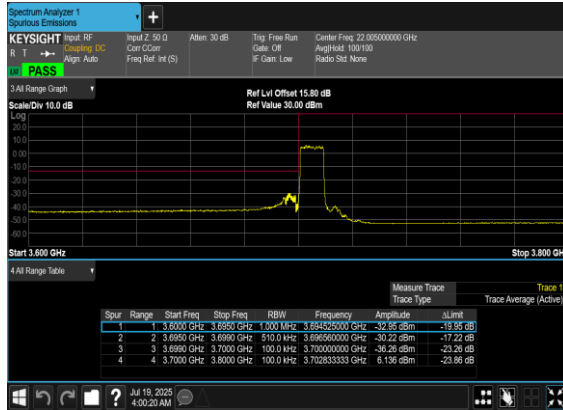
N78(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



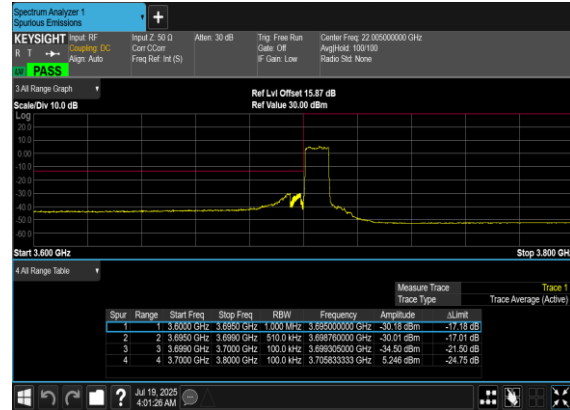
N78(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(10M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

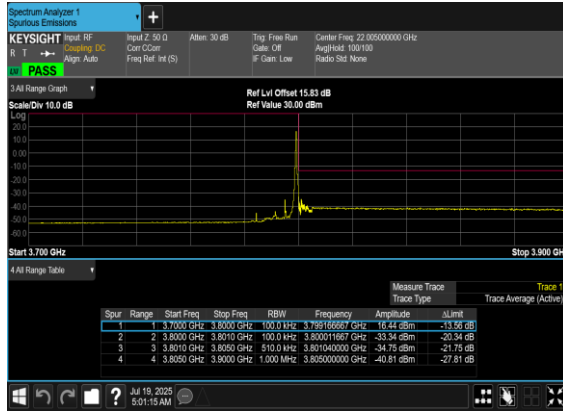


N78(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH





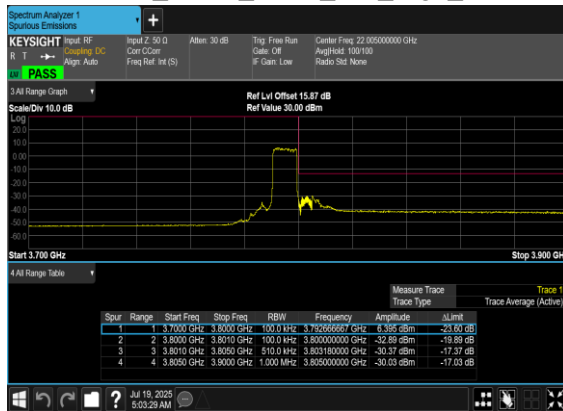
N78(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



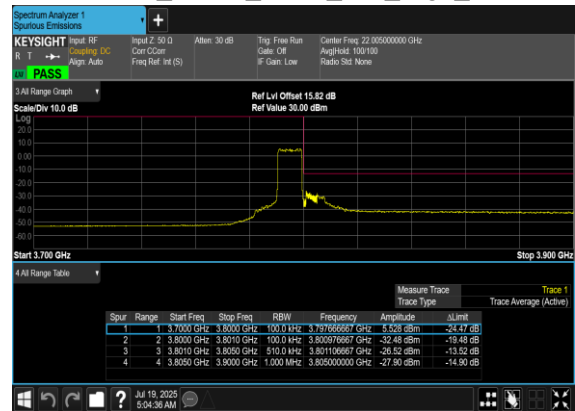
N78(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N78(10M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

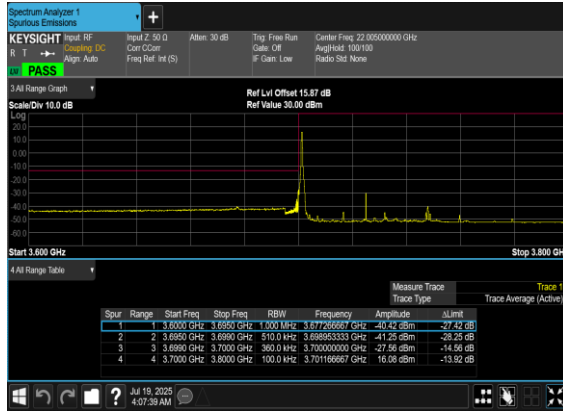


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OFDM_QPSK_Outer_Full_High_CH

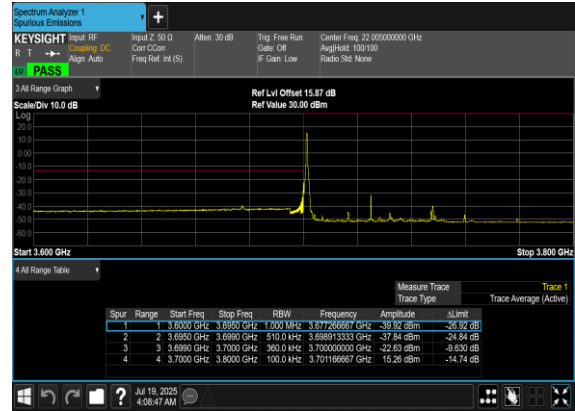




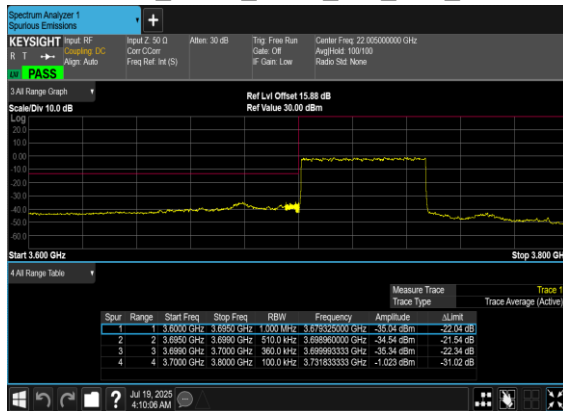
N78(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



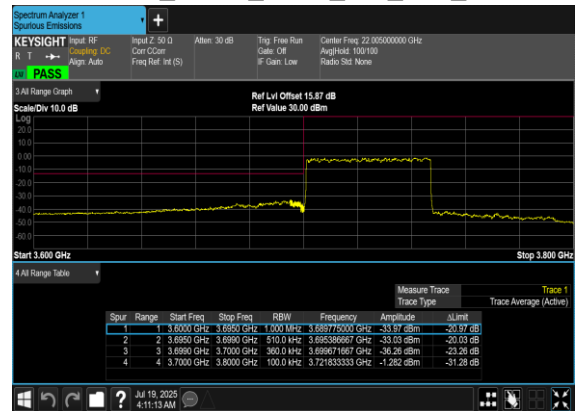
N78(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(50M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

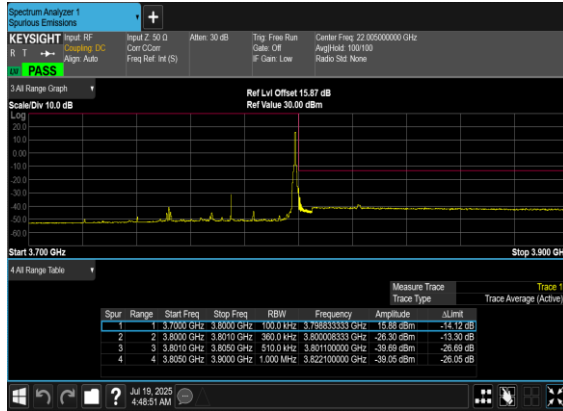


N78(50M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

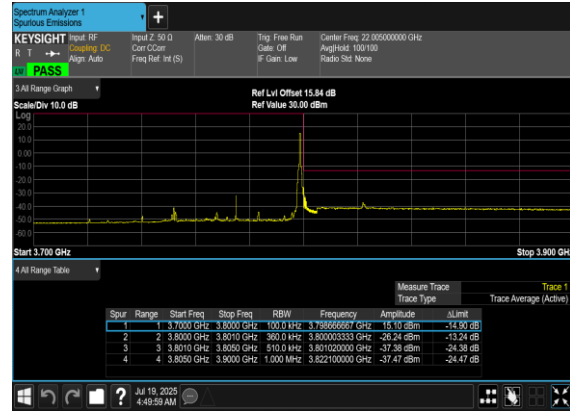




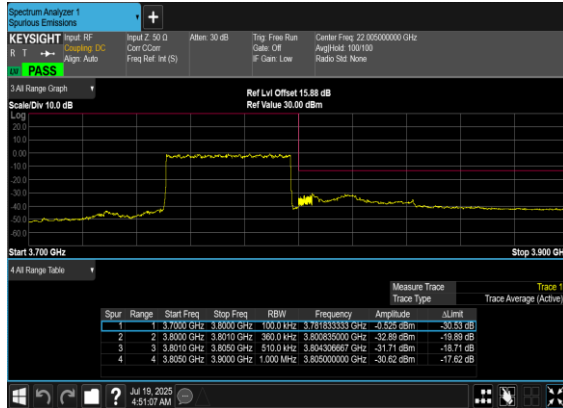
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OFDM_BPSK_Edge_1RB_Right_High_CH



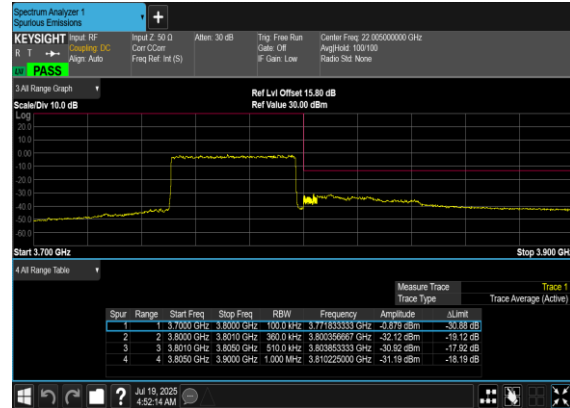
N78(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N78(50M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

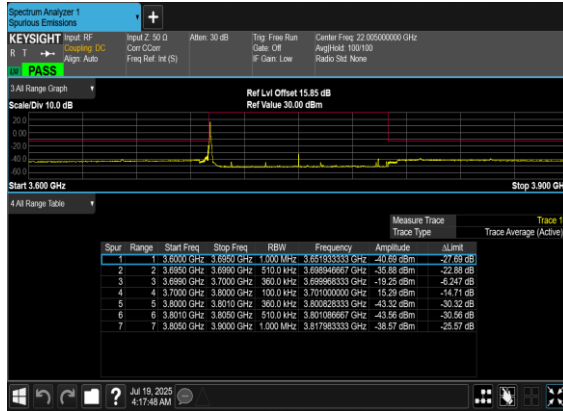


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OFDM_QPSK_Outer_Full_High_CH

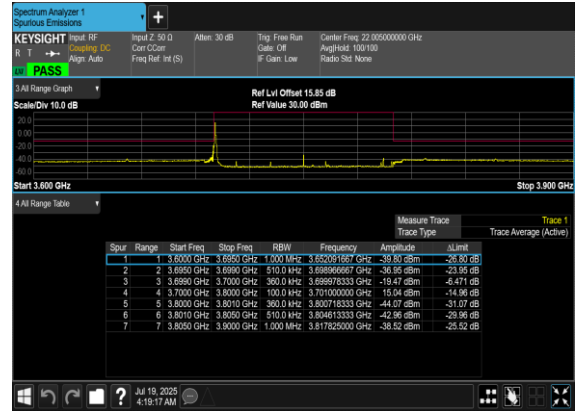




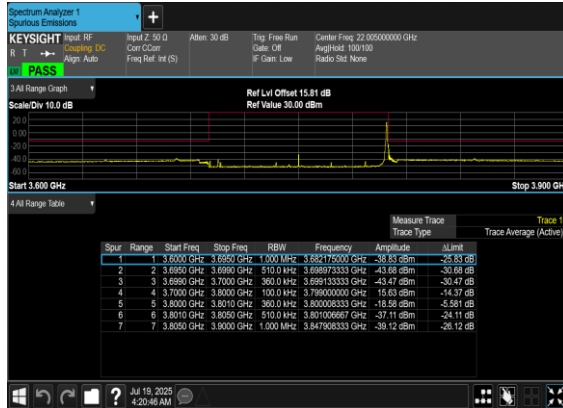
N78(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



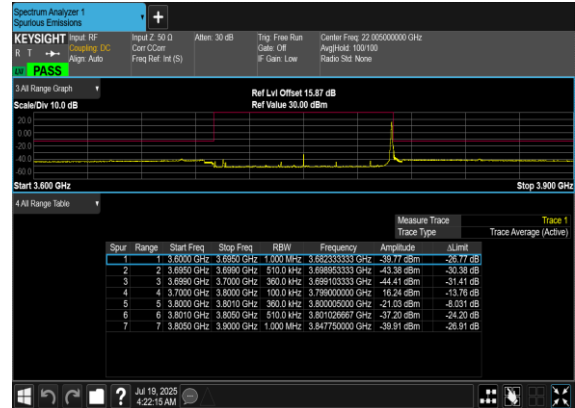
N78(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N78(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_Mid_CH

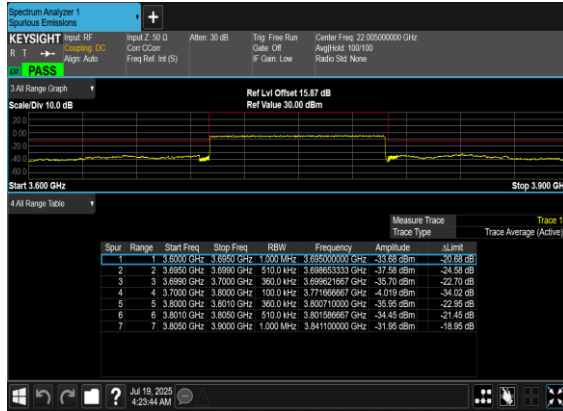


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OFDM_QPSK_Edge_1RB_Right_Mid_CH

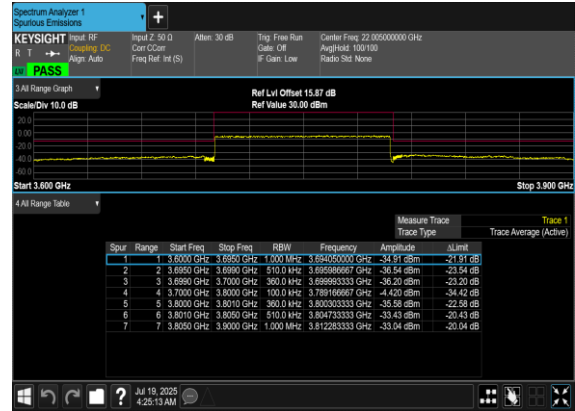




N78(100M)_DFT-s-
OFDM_BPSK_Outer_Full_Mid_CH



N78(100M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH





Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Liangping Zhou	Temperature :	22~25℃
		Relative Humidity :	48~52%

RSE pre-scanned harmonic for different antennas, choose the worst antenna perform final test and record in the report.

n77 SA / NR 100MHz / QPSK(ANT11)									
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	7584.00	-58.60	-13	-45.60	-52.53	-61.90	8.30	11.60	H
	11376.00	-53.53	-13	-40.53	-55.64	-55.05	10.48	12.00	H
	15168.00	-51.68	-13	-38.68	-57.09	-53.38	11.80	13.50	H
	7584.00	-58.15	-13	-45.15	-52.04	-61.45	8.30	11.60	V
	11376.00	-53.68	-13	-40.68	-55.52	-55.20	10.48	12.00	V
	15168.00	-52.30	-13	-39.30	-57.06	-54.00	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(13+11)									
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	7584.00	-58.78	-13	-45.78	-52.71	-62.08	8.30	11.60	H
	11376.00	-54.02	-13	-41.02	-56.13	-55.54	10.48	12.00	H
	15168.00	-52.17	-13	-39.17	-57.58	-53.87	11.80	13.50	H
	7584.00	-58.78	-13	-45.78	-52.67	-62.08	8.30	11.60	V
	11376.00	-54.31	-13	-41.31	-56.15	-55.83	10.48	12.00	V
	15168.00	-52.49	-13	-39.49	-57.25	-54.19	11.80	13.50	V
LTE Band41 Middle	5177.00	-59.98	-25	-34.98	-81.54	-65.54	7.14	12.70	H
	7765.50	-58.47	-25	-33.47	-52.53	-61.77	8.30	11.60	H
	10354.00	-55.18	-25	-30.18	-54.41	-56.70	10.48	12.00	H
	5177.00	-59.76	-25	-34.76	-81.61	-65.32	7.14	12.70	V
	7765.50	-58.99	-25	-33.99	-52.89	-62.29	8.30	11.60	V
	10354.00	-56.06	-25	-31.06	-54.42	-57.58	10.48	12.00	V

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



n78 SA / NR 100MHz / QPSK (ANT11)									
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	7404.00	-58.26	-13	-45.26	-52.45	-61.56	8.30	11.60	H
	11106.00	-54.15	-13	-41.15	-55.23	-55.67	10.48	12.00	H
	14808.00	-50.19	-13	-37.19	-55.96	-51.89	11.80	13.50	H
	7404.00	-58.55	-13	-45.55	-52.76	-61.85	8.30	11.60	V
	11106.00	-54.75	-13	-41.75	-55.54	-56.27	10.48	12.00	V
	14808.00	-50.36	-13	-37.36	-55.58	-52.06	11.80	13.50	V

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

EN-DC_41A_n78A / LTE 10MHz + NR 100MHz / QPSK (13+11)									
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	7404.00	-55.91	-13	-42.91	-50.10	-59.21	8.30	11.60	H
	11106.00	-54.57	-13	-41.57	-55.65	-56.09	10.48	12.00	H
	14808.00	-50.38	-13	-37.38	-56.15	-52.08	11.80	13.50	H
	7404.00	-57.46	-13	-44.46	-51.67	-60.76	8.30	11.60	V
	11106.00	-54.88	-13	-41.88	-55.67	-56.40	10.48	12.00	V
	14808.00	-51.15	-13	-38.15	-56.37	-52.85	11.80	13.50	V
LTE Band41 Middle	5177.00	-59.72	-25	-34.72	-81.28	-65.28	7.14	12.70	H
	7765.50	-58.26	-25	-33.26	-52.32	-61.56	8.30	11.60	H
	10354.00	-55.29	-25	-30.29	-54.52	-56.81	10.48	12.00	H
	5177.00	-59.61	-25	-34.61	-81.46	-65.17	7.14	12.70	V
	7765.50	-58.82	-25	-33.82	-52.72	-62.12	8.30	11.60	V
	10354.00	-55.95	-25	-30.95	-54.31	-57.47	10.48	12.00	V

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