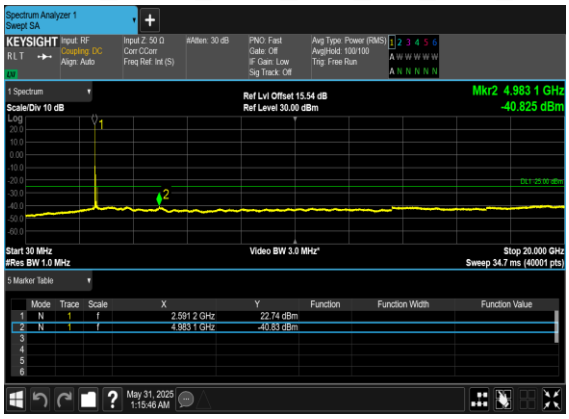
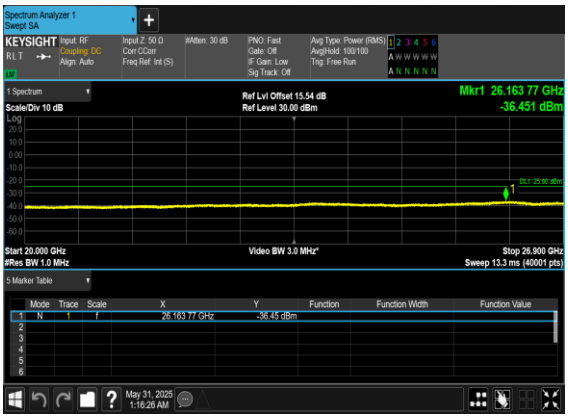
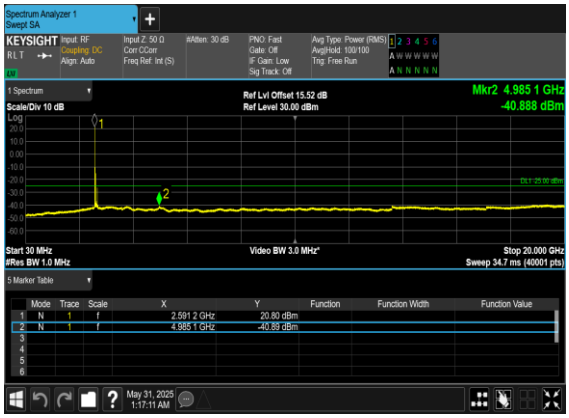
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



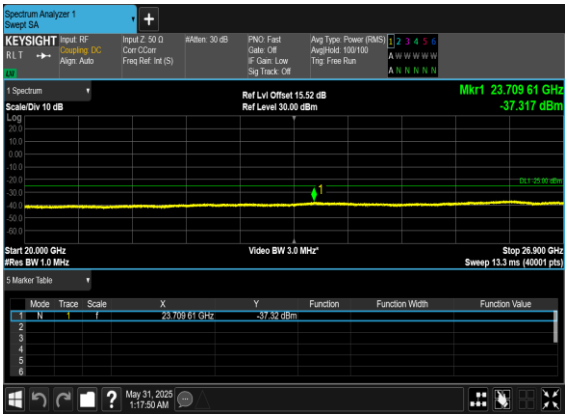
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



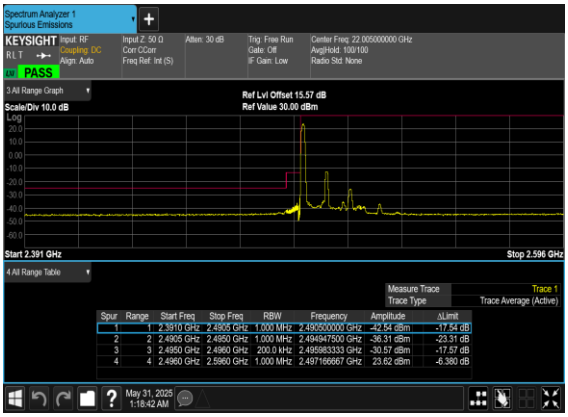
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	30	20	501204	2506.02	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	20	501204	2506.02	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
41	30	20	535998	2679.99	DFT-s-OFDM BPSK	1@50	see graph	**PASS**
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	1@50	see graph	**PASS**
41	30	20	535998	2679.99	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
41	30	60	505200	2526.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	60	505200	2526.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	60	505200	2526.0	DFT-s-OFDM BPSK	162@0	see graph	**PASS**
41	30	60	505200	2526.0	DFT-s-OFDM QPSK	162@0	see graph	**PASS**
41	30	60	531996	2659.98	DFT-s-OFDM BPSK	1@161	see graph	**PASS**
41	30	60	531996	2659.98	DFT-s-OFDM QPSK	1@161	see graph	**PASS**
41	30	60	531996	2659.98	DFT-s-OFDM BPSK	162@0	see graph	**PASS**
41	30	60	531996	2659.98	DFT-s-OFDM QPSK	162@0	see graph	**PASS**
41	30	100	509202	2546.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	100	509202	2546.01	DFT-s-OFDM BPSK	270@0	see graph	**PASS**
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	270@0	see graph	**PASS**

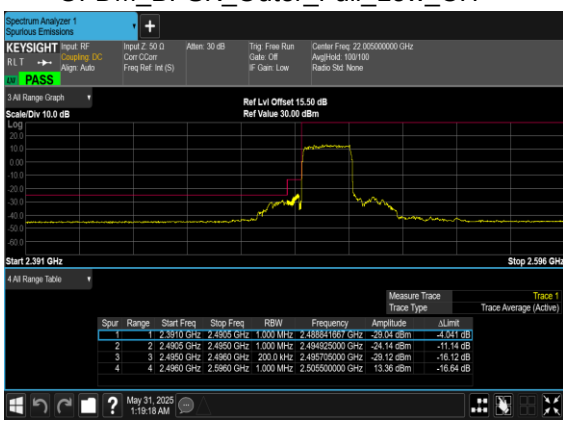
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	1@272	see graph	**PASS**
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	1@272	see graph	**PASS**
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	270@0	see graph	**PASS**
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	270@0	see graph	**PASS**

N41(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

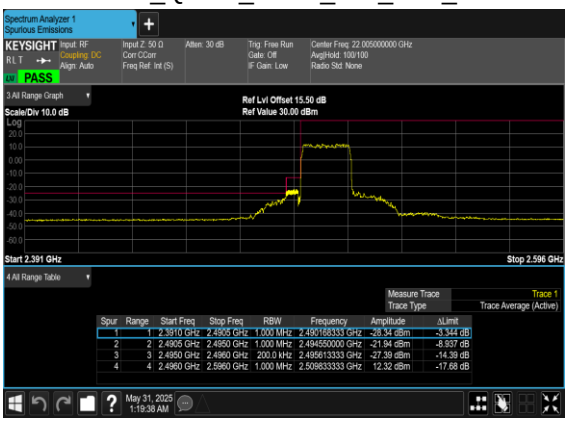
N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



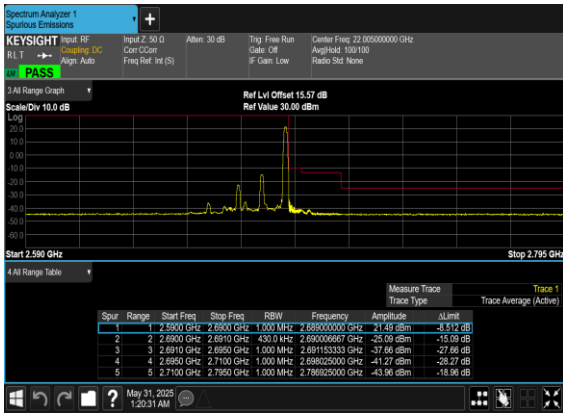
N41(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



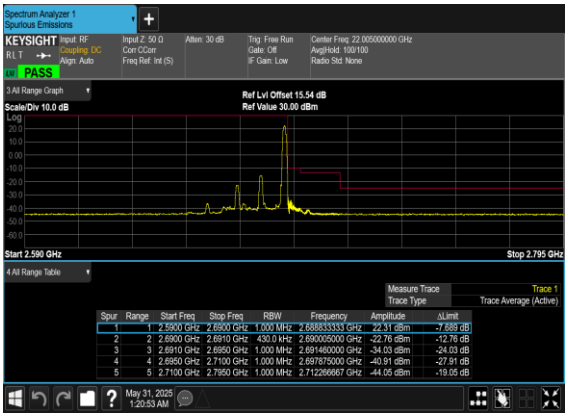
N41(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



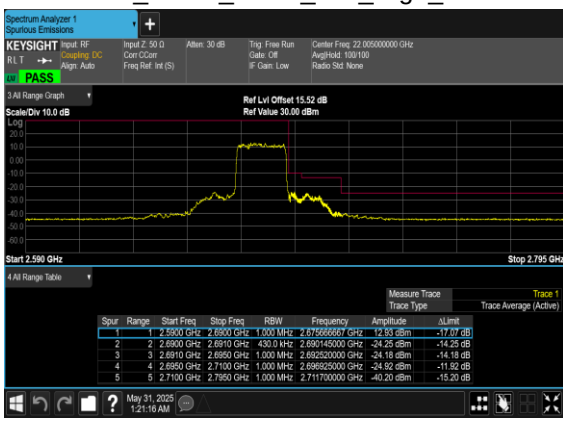
N41(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



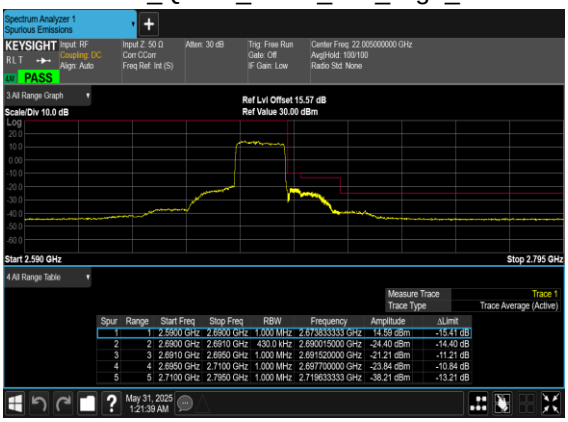
N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



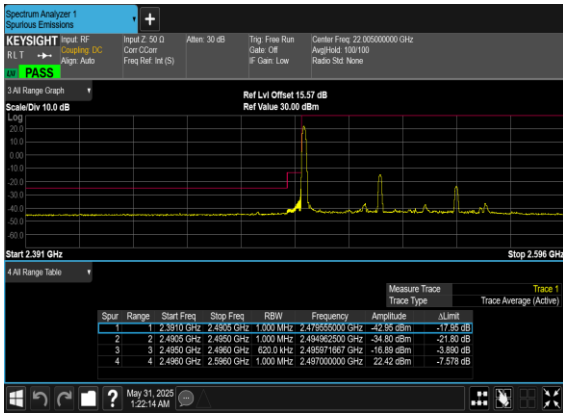
N41(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



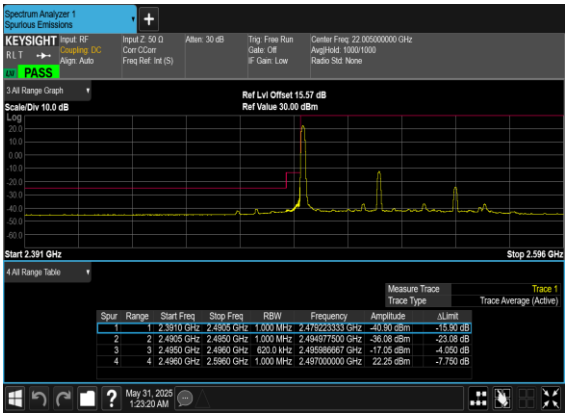
N41(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



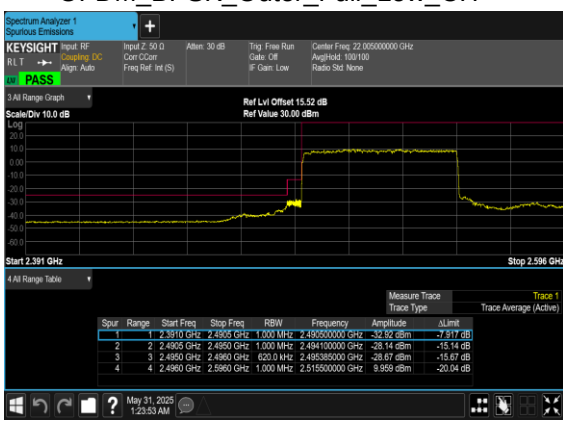
N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



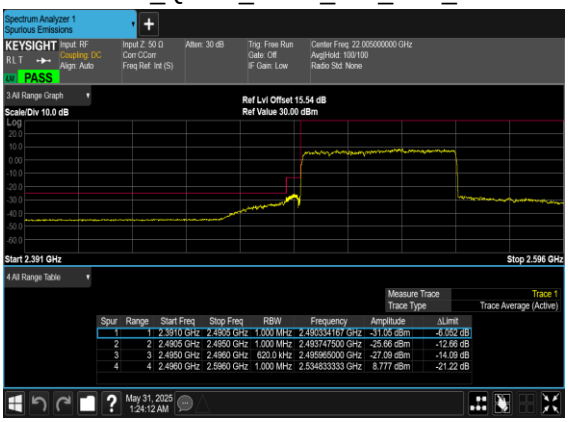
N41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N41(60M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

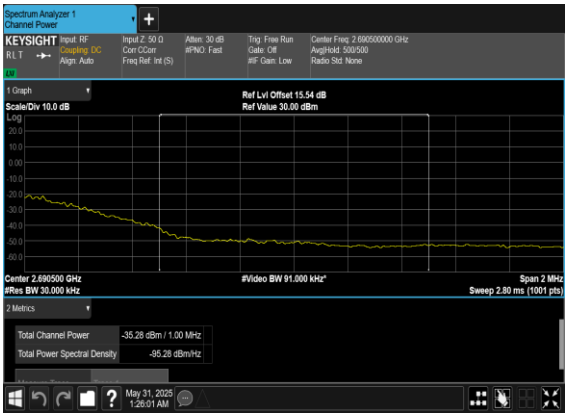


N41(60M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

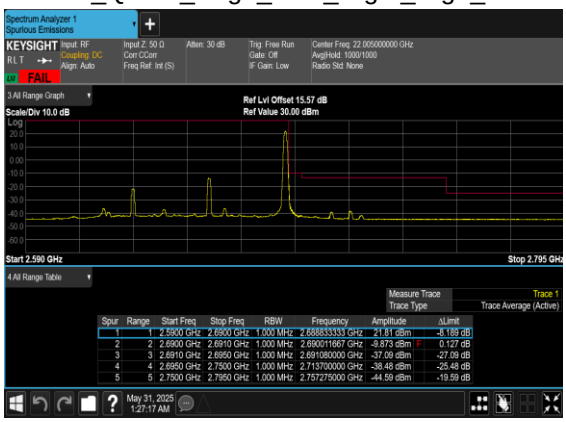


N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

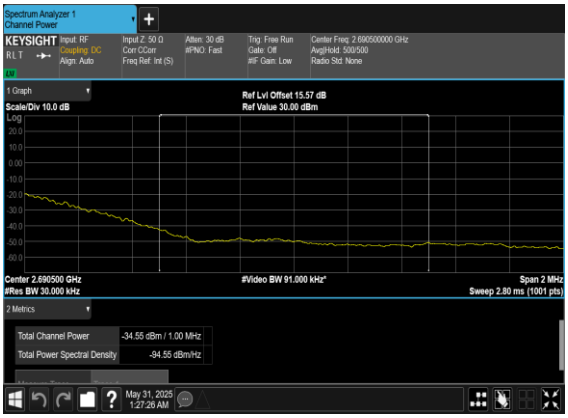
N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_**CHP_PASS**



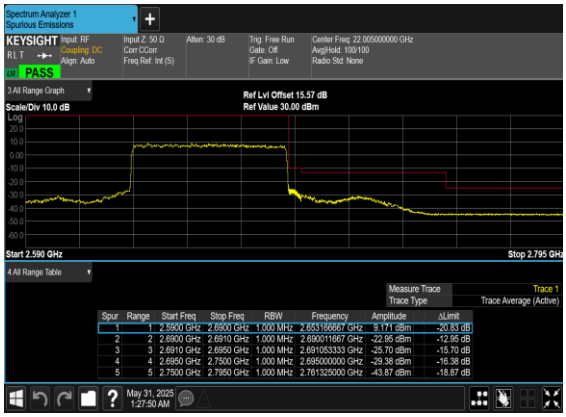
N41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



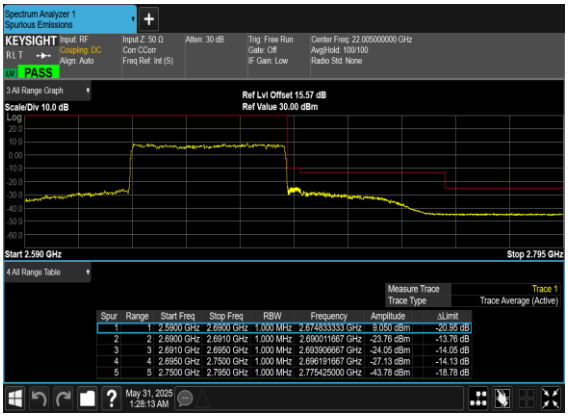
N41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_**CHP_PASS**



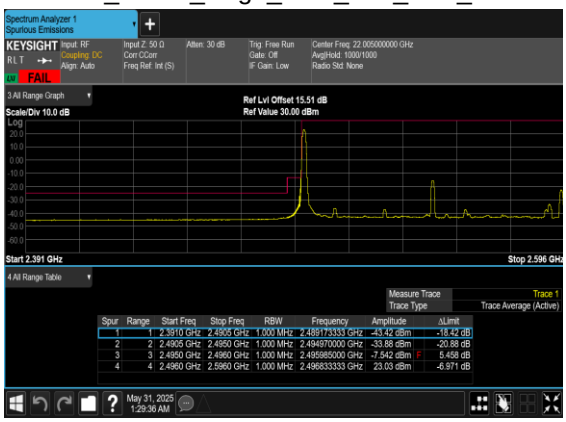
N41(60M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N41(60M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



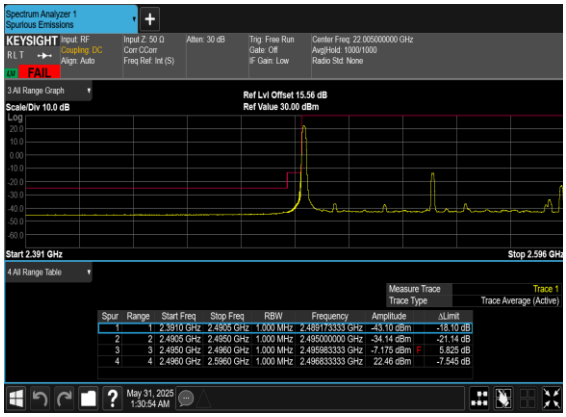
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



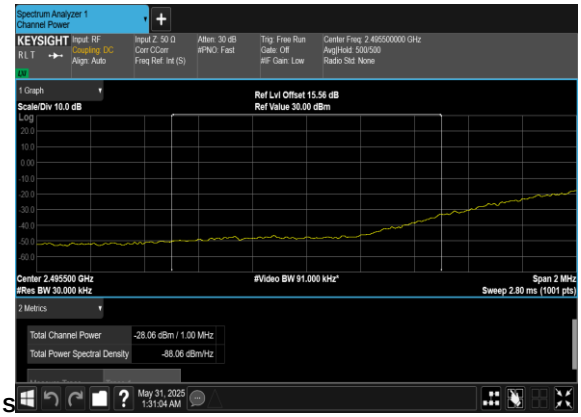
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_**CHP_PAS**

S

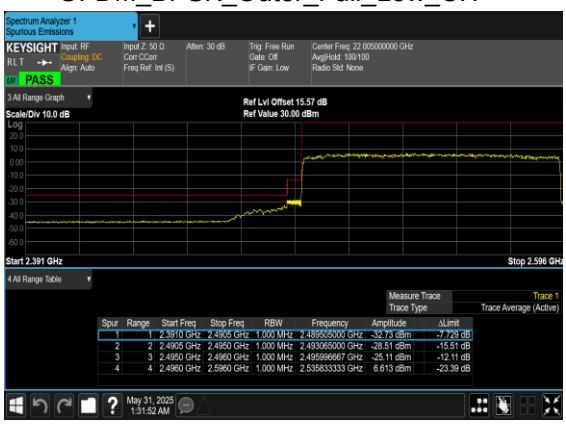
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



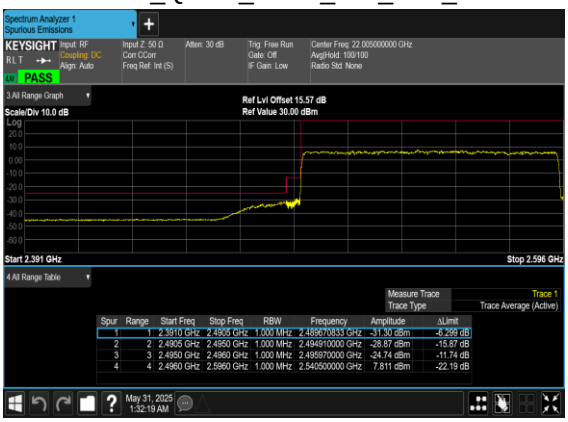
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS



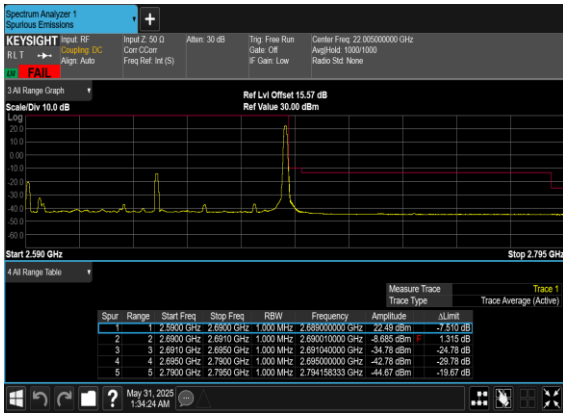
N41(100M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



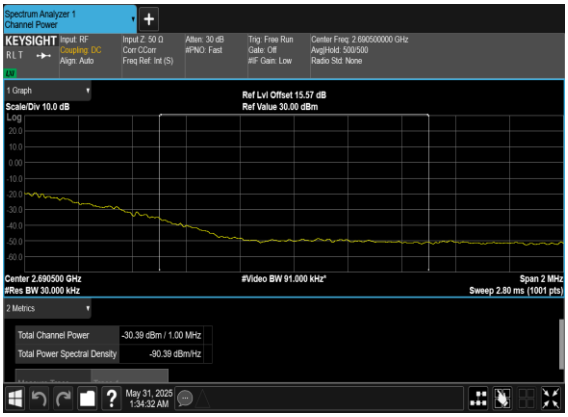
N41(100M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



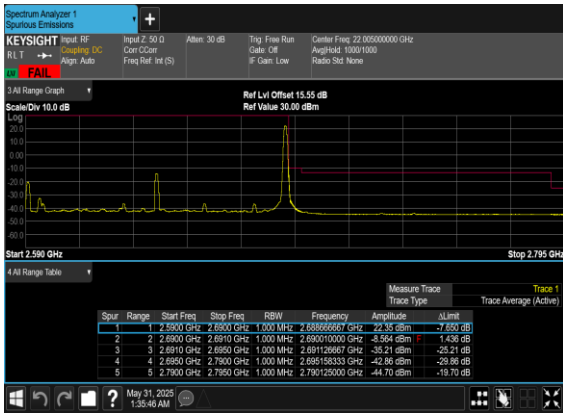
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



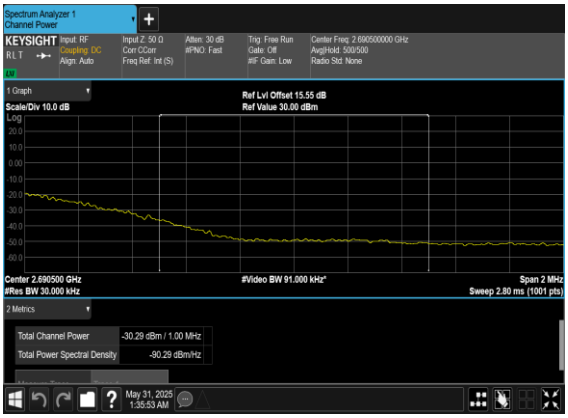
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_CHP_PASS



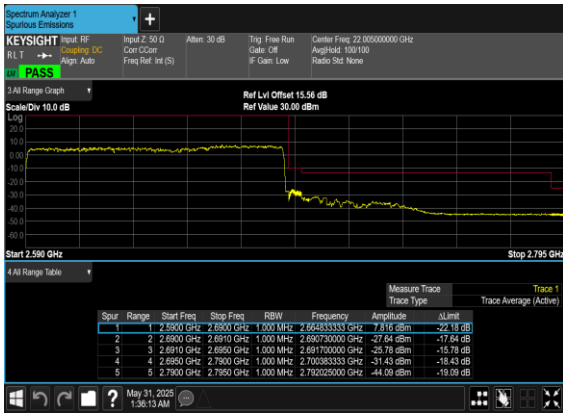
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



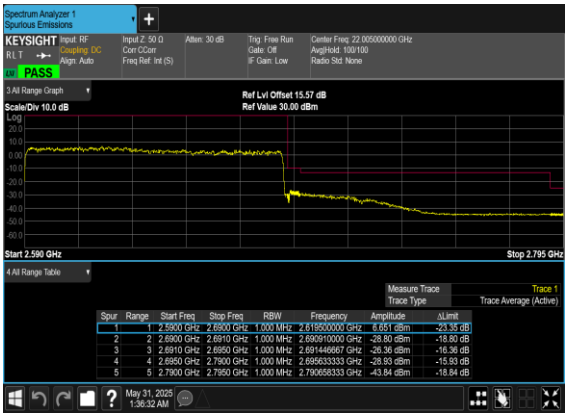
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_PASS



N41(100M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N41(100M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

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

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

n7 SA / NR 40MHz / QPSK(ANT5)									
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	5032.00	-60.41	-25	-35.41	-82.24	-65.97	7.14	12.70	H
	7548.00	-48.51	-25	-23.51	-74.30	-51.81	8.30	11.60	H
	10064.00	-51.70	-25	-26.70	-81.90	-53.22	10.48	12.00	H
	5032.00	-60.38	-25	-35.38	-82.3	-65.94	7.14	12.70	V
	7548.00	-51.60	-25	-26.60	-77.36	-54.90	8.30	11.60	V
	10064.00	-53.42	-25	-28.42	-82.1	-54.94	10.48	12.00	V

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

EN-DC_7A_n7A / LTE 20MHz + NR 40MHz / QPSK (ANT4+5)									
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 n7 Middle	5061.00	-62.03	-25	-37.03	-83.79	-67.59	7.14	12.70	H
	7591.50	-56.25	-25	-31.25	-81.94	-59.55	8.30	11.60	H
	10122.00	-53.93	-25	-28.93	-84.08	-55.45	10.48	12.00	H
	5061.00	-61.68	-25	-36.68	-83.58	-67.24	7.14	12.70	V
	7591.50	-57.37	-25	-32.37	-83.01	-60.67	8.30	11.60	V
	10122.00	-55.01	-25	-30.01	-83.79	-56.53	10.48	12.00	V
LTE Band7 Middle	5032.00	-58.98	-25	-33.98	-80.81	-64.54	7.14	12.70	H
	7548.00	-50.93	-25	-25.93	-76.72	-54.23	8.30	11.60	H
	10064.00	-54.10	-25	-29.10	-84.30	-55.62	10.48	12.00	H
	5032.00	-55.88	-25	-30.88	-77.8	-61.44	7.14	12.70	V
	7548.00	-52.41	-25	-27.41	-78.17	-55.71	8.30	11.60	V
	10064.00	-55.26	-25	-30.26	-83.94	-56.78	10.48	12.00	V

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

n12 SA / NR 15MHz / QPSK(ANT1)									
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	1401	-57.37	-13	-44.37	-67.45	-60.62	4.00	9.40	H
	2101	-59.95	-13	-46.95	-72.78	-63.52	4.88	10.60	H
	2802	-62.67	-13	-49.67	-77.94	-67.60	5.52	12.60	H
	1401	-59.57	-13	-46.57	-69.21	-62.82	4.00	9.40	V
	2101	-56.16	-13	-43.16	-68.94	-59.73	4.88	10.60	V
	2802	-62.44	-13	-49.44	-77.90	-67.37	5.52	12.60	V

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

n41 SA / NR 100MHz / QPSK(ANT5)									
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	5090.00	-60.17	-25	-35.17	-81.87	-65.73	7.14	12.70	H
	7635.00	-45.50	-25	-20.50	-71.25	-48.80	8.30	11.60	H
	10180.00	-51.64	-25	-26.64	-81.76	-53.16	10.48	12.00	H
	5090.00	-60.18	-25	-35.18	-82.06	-65.74	7.14	12.70	V
	7635.00	-47.57	-25	-22.57	-73.24	-50.87	8.30	11.60	V
	10180.00	-53.08	-25	-28.08	-81.95	-54.60	10.48	12.00	V

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

EN-DC_41A_n41A / LTE 20MHz + NR 100MHz / QPSK (ANT4+5)									
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 n41 Middle	5090.00	-59.63	-25	-34.63	-81.33	-65.19	7.14	12.70	H
	7635.00	-55.04	-25	-30.04	-80.79	-58.34	8.30	11.60	H
	10180.00	-51.29	-25	-26.29	-81.41	-52.81	10.48	12.00	H
	5090.00	-59.71	-25	-34.71	-81.59	-65.27	7.14	12.70	V
	7635.00	-55.26	-25	-30.26	-80.93	-58.56	8.30	11.60	V
	10180.00	-52.63	-25	-27.63	-81.5	-54.15	10.48	12.00	V
LTE Band41 Middle	4994.00	-59.76	-25	-34.76	-81.65	-65.32	7.14	12.70	H
	7491.00	-55.13	-25	-30.13	-81.03	-58.43	8.30	11.60	H
	9988.00	-52.24	-25	-27.24	-82.52	-53.76	10.48	12.00	H
	4994.00	-59.82	-25	-34.82	-81.76	-65.38	7.14	12.70	V
	7491.00	-55.40	-25	-30.40	-81.29	-58.70	8.30	11.60	V
	9988.00	-53.92	-25	-28.92	-82.53	-55.44	10.48	12.00	V

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