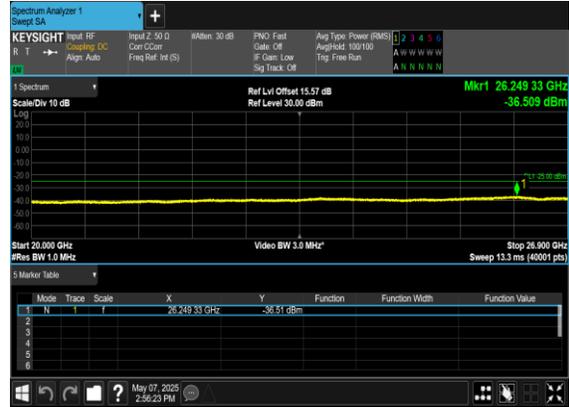




N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



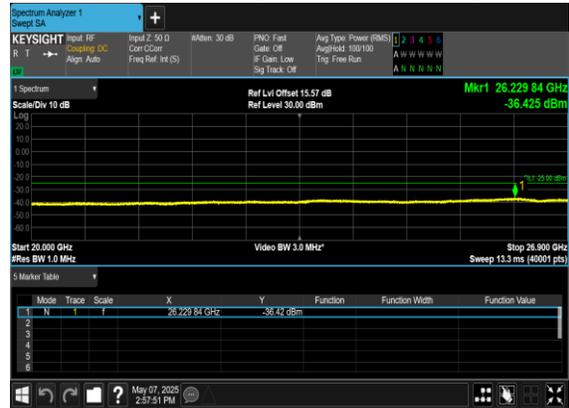
N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

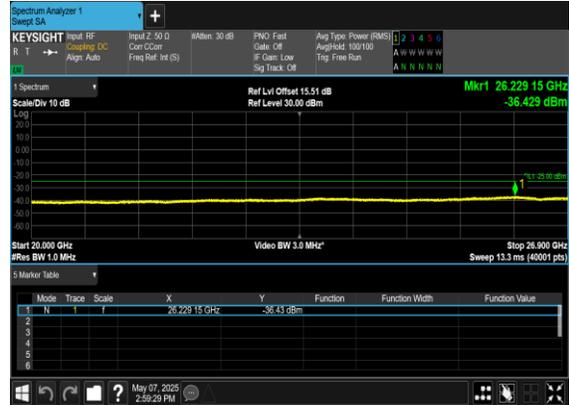




N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

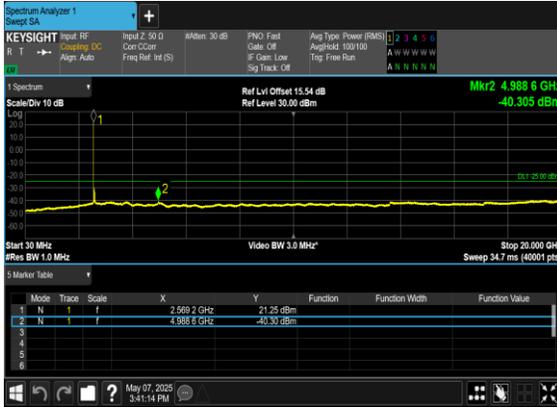


N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

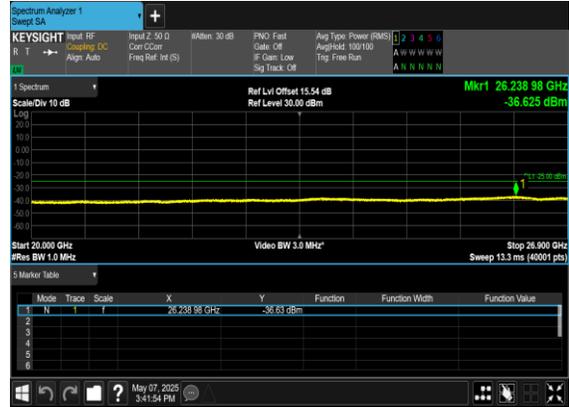




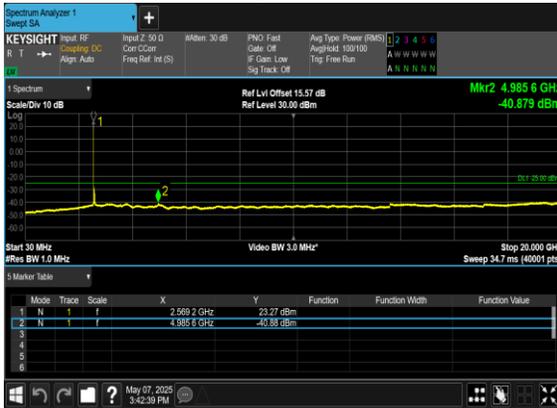
N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

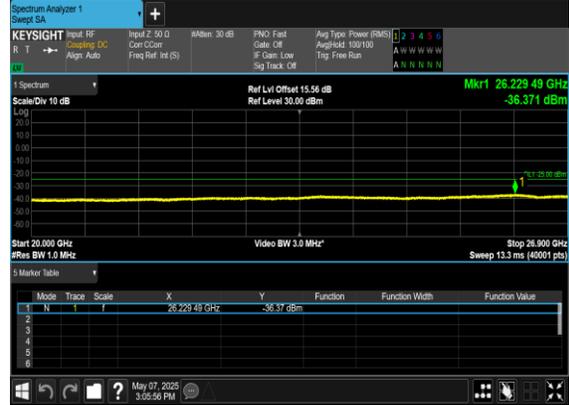




N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



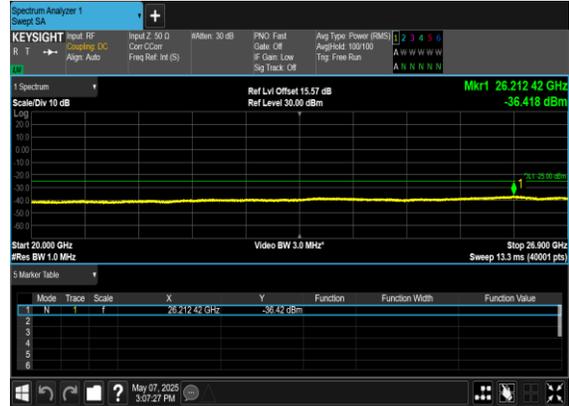
N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

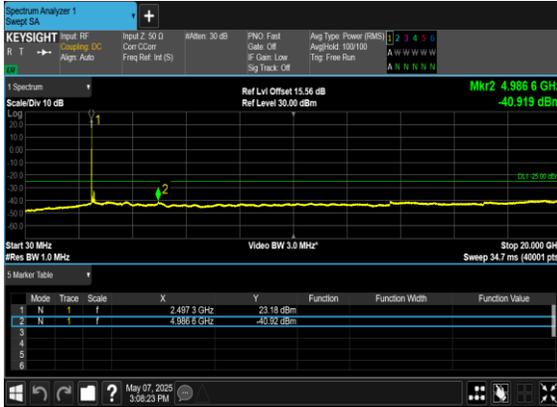


N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

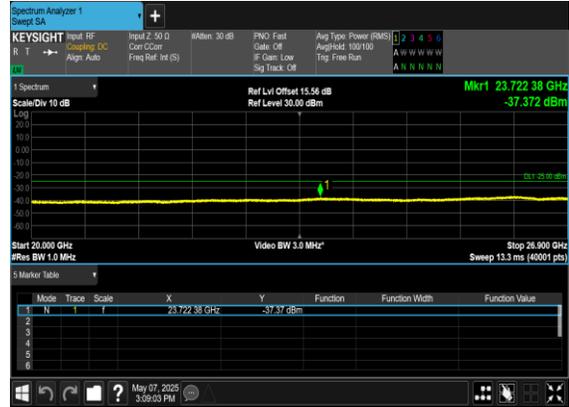




N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



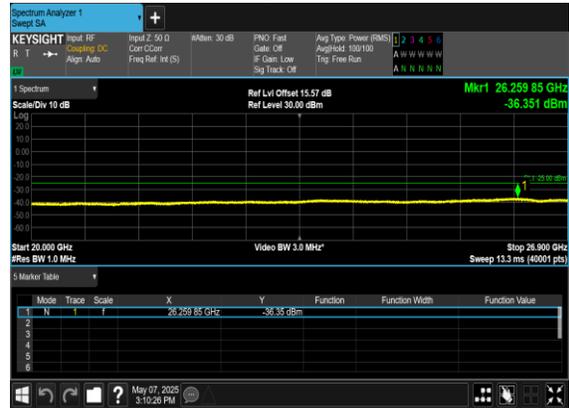
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

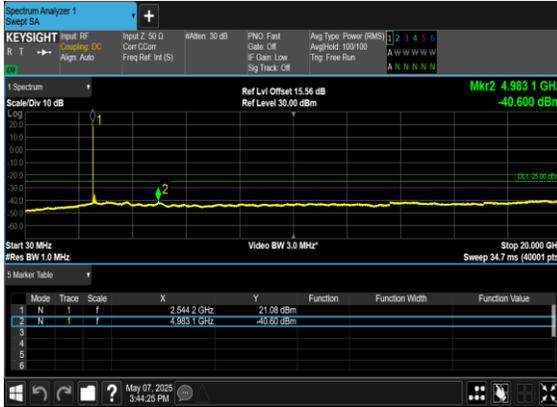


N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

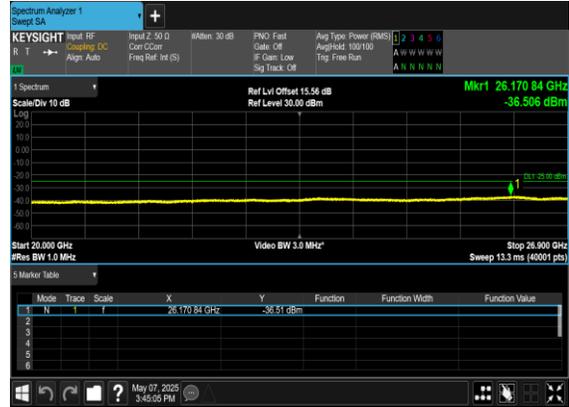




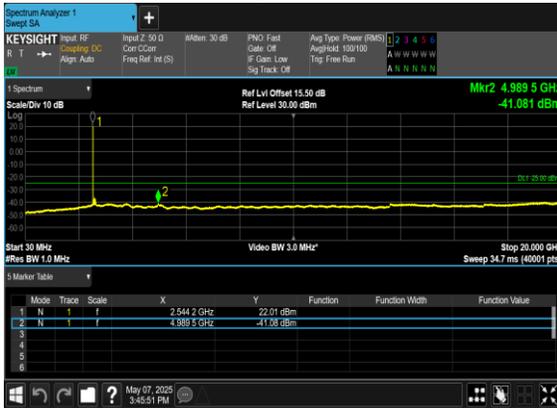
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



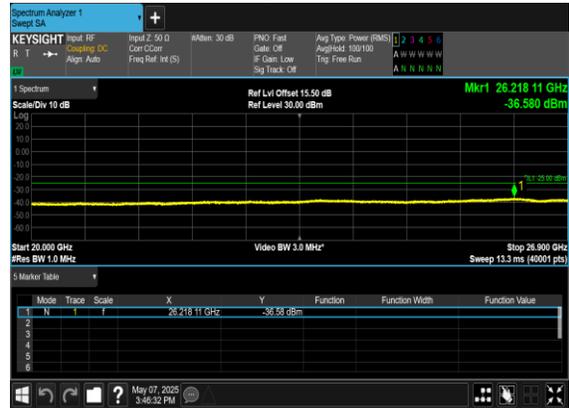
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

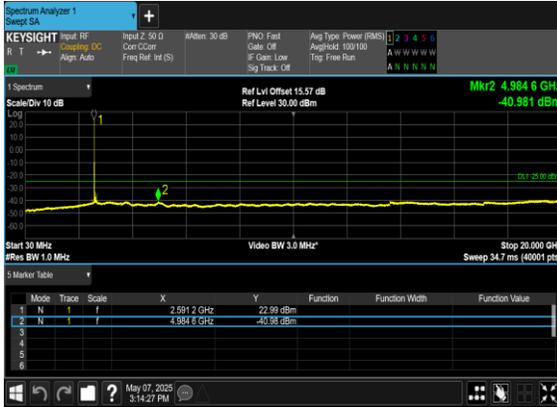


N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

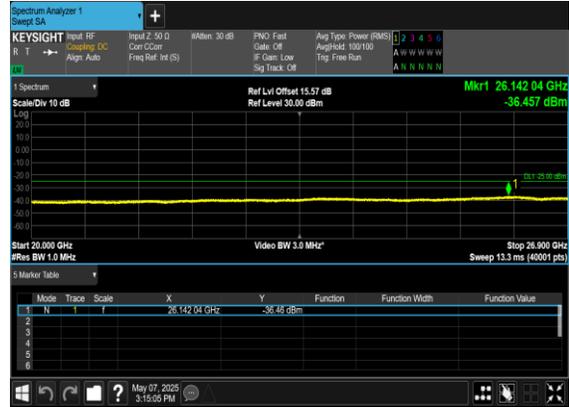




N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



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	10	500202	2501.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM BPSK	24@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	24@0	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM BPSK	1@23	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM QPSK	1@23	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM BPSK	24@0	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM QPSK	24@0	see graph	PASS
41	30	50	504204	2521.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	50	504204	2521.02	DFT-s-OFDM BPSK	128@0	see graph	PASS
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	128@0	see graph	PASS
41	30	50	532998	2664.99	DFT-s-OFDM BPSK	1@132	see graph	PASS
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	1@132	see graph	PASS
41	30	50	532998	2664.99	DFT-s-OFDM BPSK	128@0	see graph	PASS
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	128@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



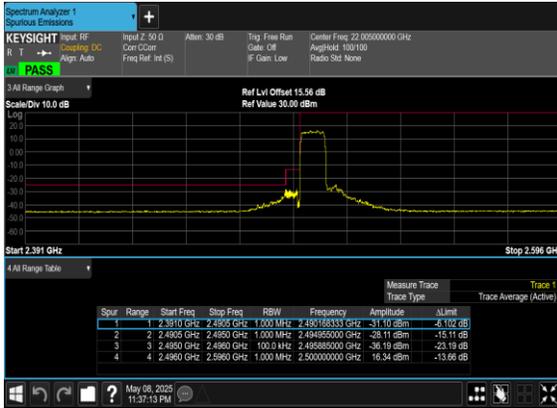
N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



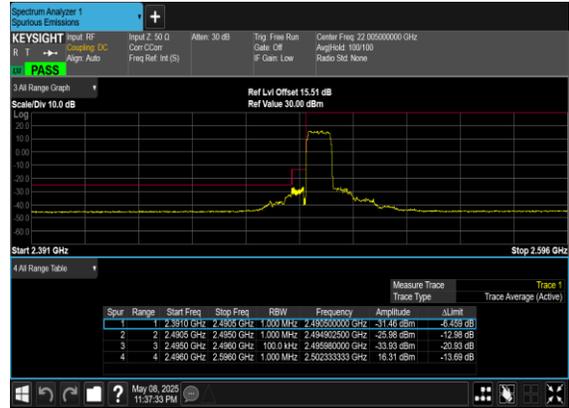
N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N41(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

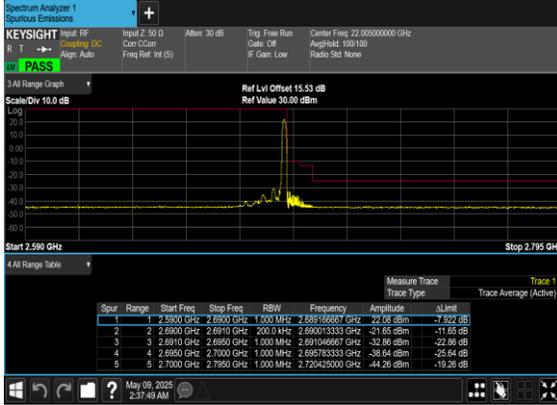


N41(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

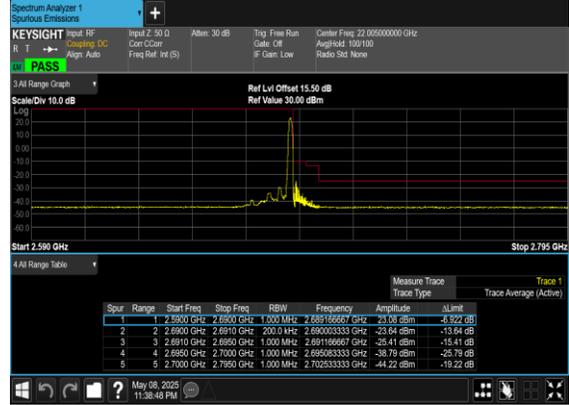




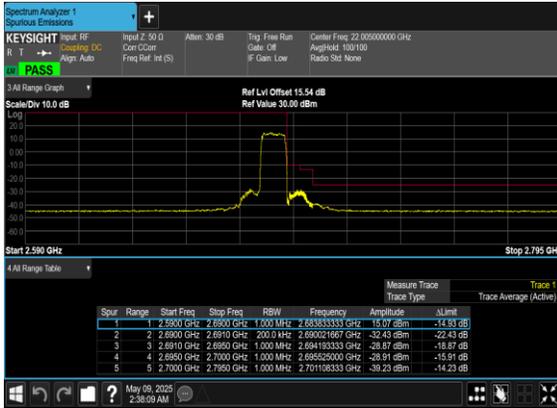
N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



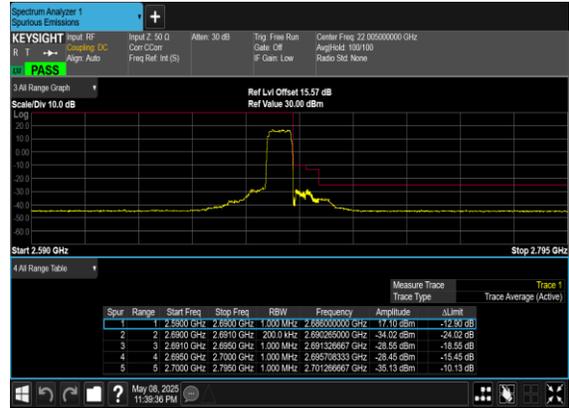
N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N41(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

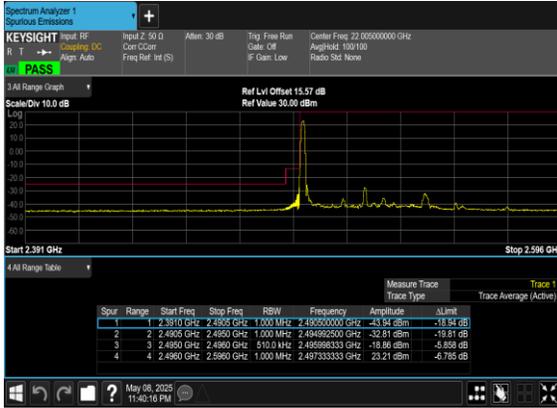


N41(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

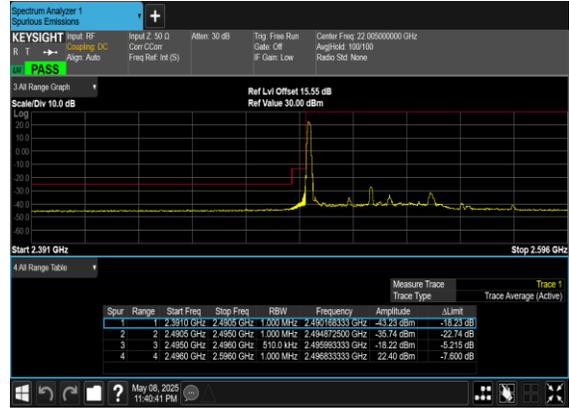




N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



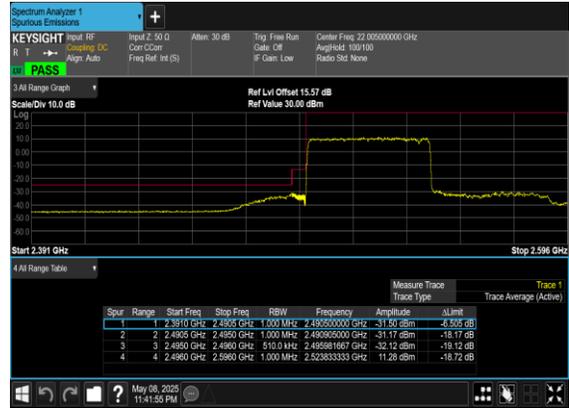
N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N41(50M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

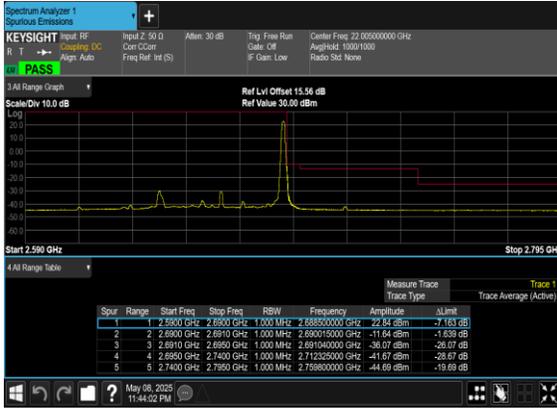


N41(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

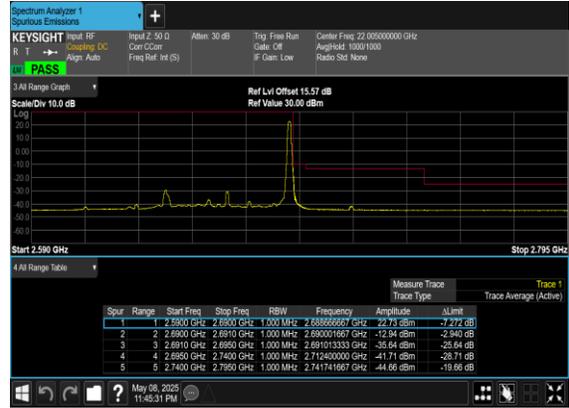




N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N41(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N41(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

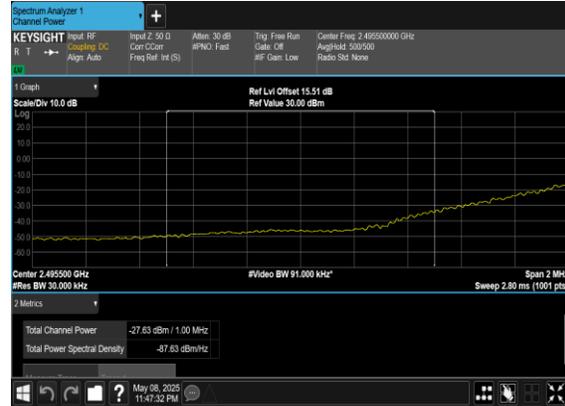




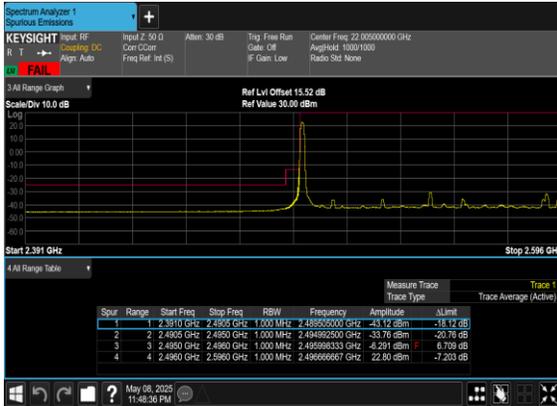
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PASS



N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

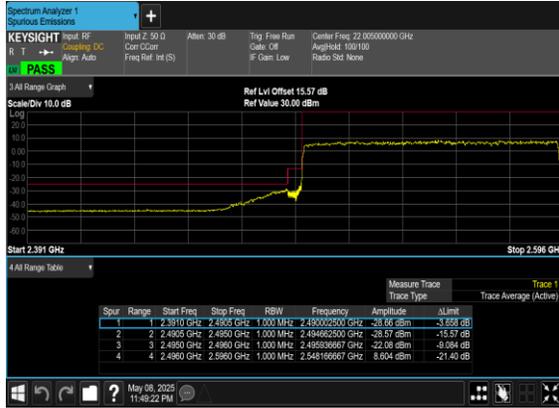


N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS

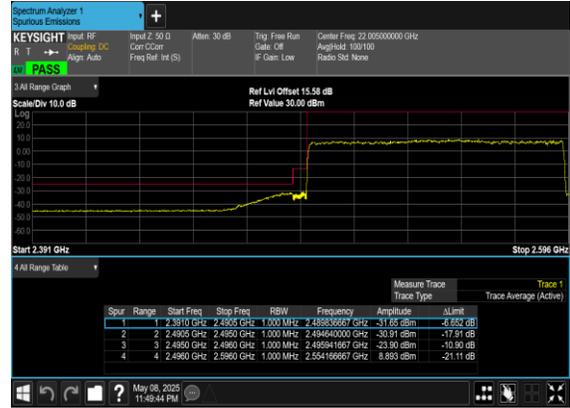




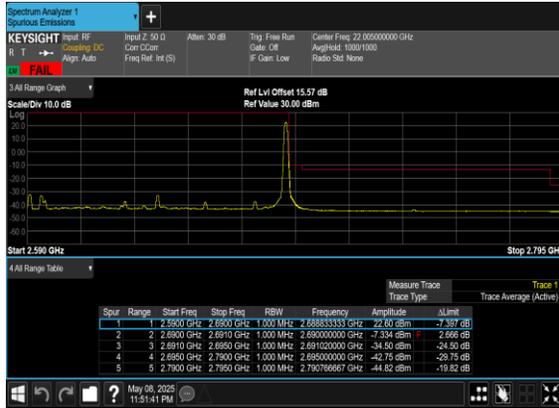
N41(100M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



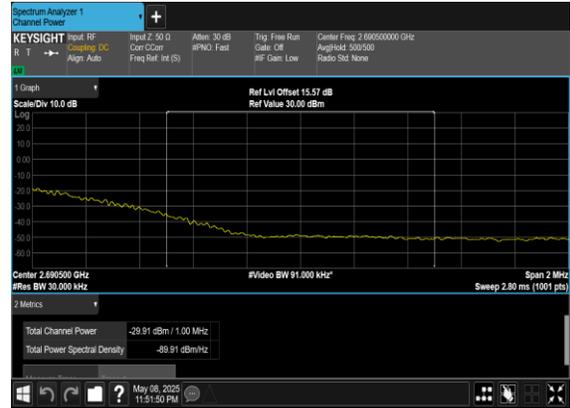
N41(100M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

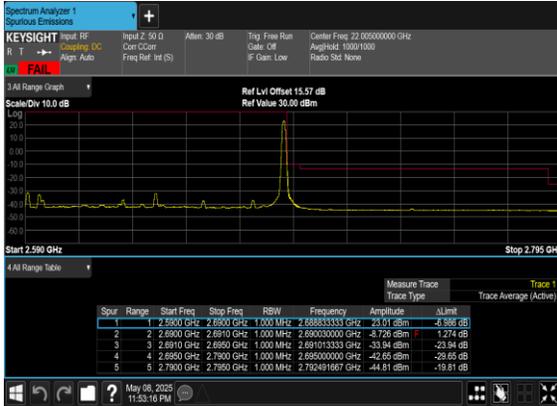


N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_CHP_PASS

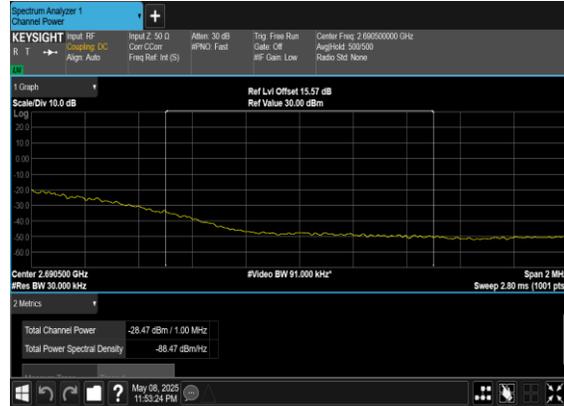




N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



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°C
		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 50MHz / QPSK(ANT2)									
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	5022.00	-56.53	-25	-31.53	-78.49	-62.09	7.14	12.70	H
	7533.00	-54.99	-25	-29.99	-81.14	-58.29	8.30	11.60	H
	10044.00	-49.90	-25	-24.90	-81.65	-51.42	10.48	12.00	H
	5022.00	-58.82	-25	-33.82	-80.87	-64.38	7.14	12.70	V
	7533.00	-54.87	-25	-29.87	-81	-58.17	8.30	11.60	V
	10044.00	-51.91	-25	-26.91	-82.1	-53.43	10.48	12.00	V

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

EN-DC_2A_n7A / LTE 10MHz + NR 50MHz / QPSK (ANT4+2)									
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	5022.00	-60.11	-25	-35.11	-82.07	-65.67	7.14	12.70	H
	7533.00	-55.15	-25	-30.15	-81.30	-58.45	8.30	11.60	H
	10044.00	-50.03	-25	-25.03	-81.78	-51.55	10.48	12.00	H
	5022.00	-59.97	-25	-34.97	-82.02	-65.53	7.14	12.70	V
	7533.00	-55.15	-25	-30.15	-81.28	-58.45	8.30	11.60	V
	10044.00	-52.00	-25	-27.00	-82.19	-53.52	10.48	12.00	V
LTE Band2 Middle	3751	-61.12	-13	-48.12	-78.91	-67.87	5.85	12.60	H
	5626.5	-59.20	-13	-46.20	-81.34	-65.00	7.30	13.10	H
	7502	-55.05	-13	-42.05	-81.28	-58.20	8.35	11.50	H
	3751	-61.40	-13	-48.40	-79.12	-68.15	5.85	12.60	V
	5626.5	-59.38	-13	-46.38	-81.24	-65.18	7.30	13.10	V
	7502	-54.99	-13	-41.99	-81.21	-58.14	8.35	11.50	V

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



n41 SA / NR 100MHz / QPSK(ANT2)									
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	-49.25	-25	-24.25	-71.02	-54.81	7.14	12.70	H
	7635.00	-54.81	-25	-29.81	-80.87	-58.11	8.30	11.60	H
	10180.00	-50.08	-25	-25.08	-81.57	-51.60	10.48	12.00	H
	5090.00	-56.61	-25	-31.61	-78.56	-62.17	7.14	12.70	V
	7635.00	-54.65	-25	-29.65	-80.63	-57.95	8.30	11.60	V
	10180.00	-51.24	-25	-26.24	-81.48	-52.76	10.48	12.00	V

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

EN-DC_2A_n41A / LTE 10MHz + NR 100MHz / QPSK (ANT4+2)									
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	-59.93	-25	-34.93	-81.70	-65.49	7.14	12.70	H
	7635.00	-54.63	-25	-29.63	-80.69	-57.93	8.30	11.60	H
	10180.00	-50.03	-25	-25.03	-81.52	-51.55	10.48	12.00	H
	5090.00	-59.83	-25	-34.83	-81.78	-65.39	7.14	12.70	V
	7635.00	-54.84	-25	-29.84	-80.82	-58.14	8.30	11.60	V
	10180.00	-51.19	-25	-26.19	-81.43	-52.71	10.48	12.00	V
LTE Band2 Middle	3751	-61.57	-13	-48.57	-79.36	-68.32	5.85	12.60	H
	5626.5	-59.24	-13	-46.24	-81.38	-65.04	7.30	13.10	H
	7502	-54.87	-13	-41.87	-81.10	-58.02	8.35	11.50	H
	3751	-61.93	-13	-48.93	-79.65	-68.68	5.85	12.60	V
	5626.5	-59.85	-13	-46.85	-81.71	-65.65	7.30	13.10	V
	7502	-54.88	-13	-41.88	-81.1	-58.03	8.35	11.50	V

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