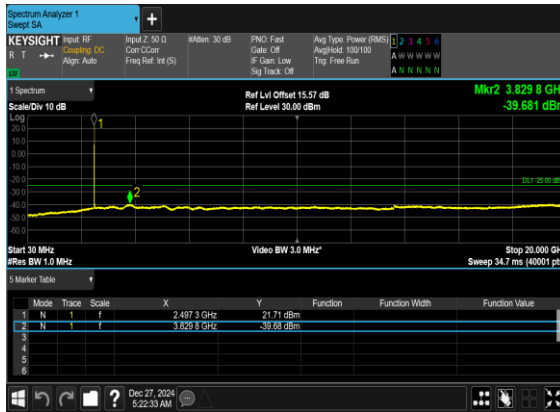
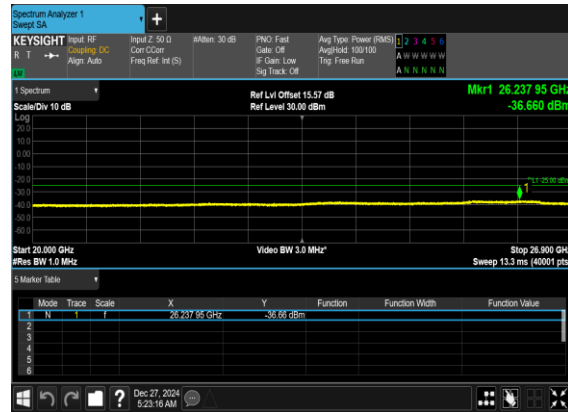




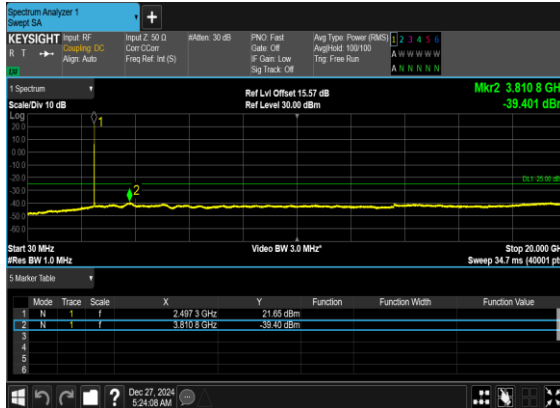
B4_N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



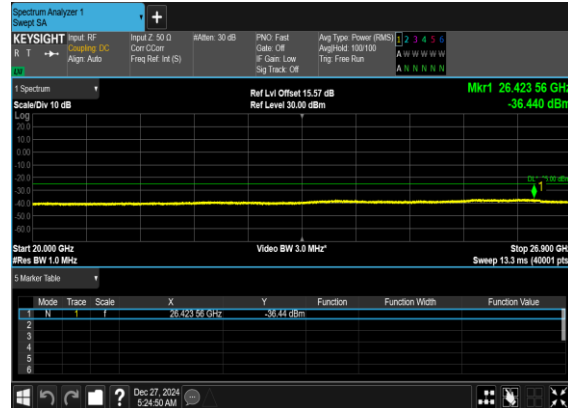
B4_N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



B4_N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

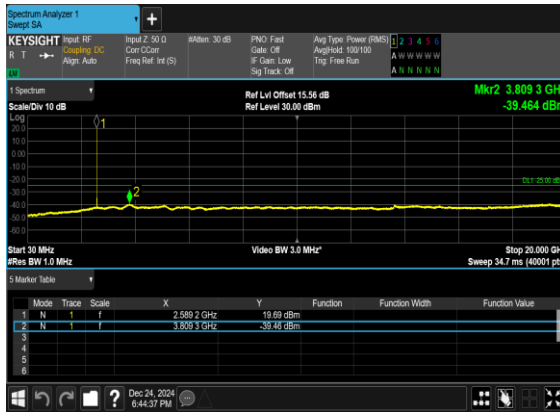


B4_N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

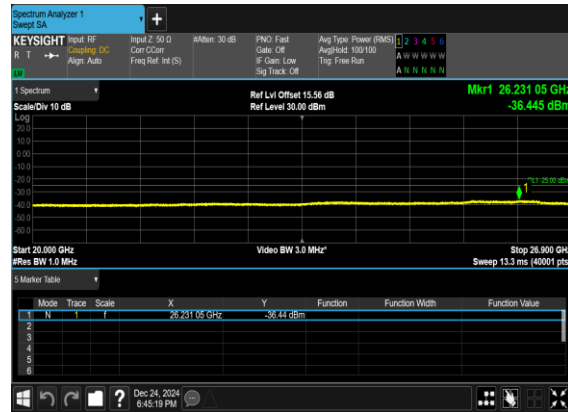




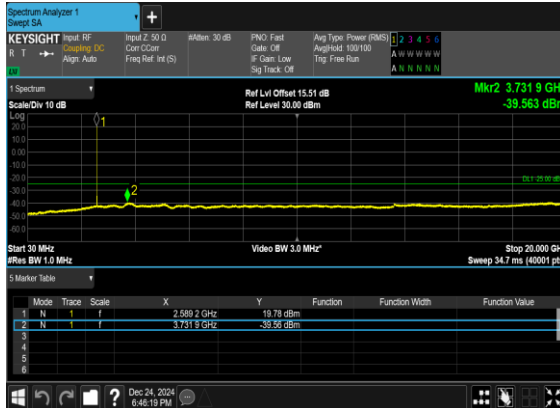
B4_N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



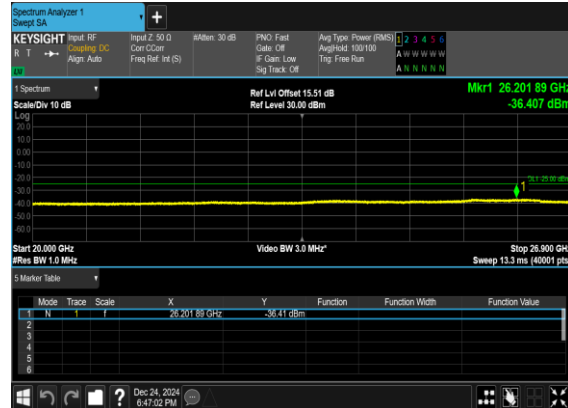
B4_N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



B4_N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

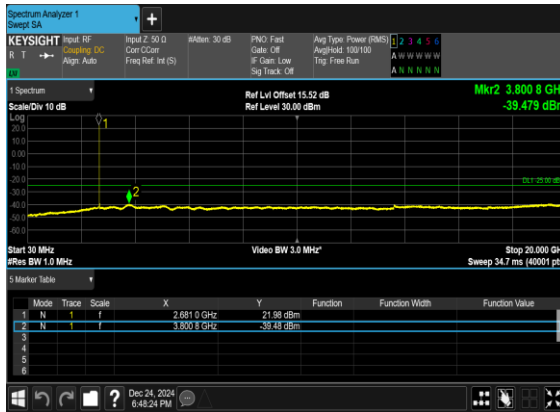


B4_N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

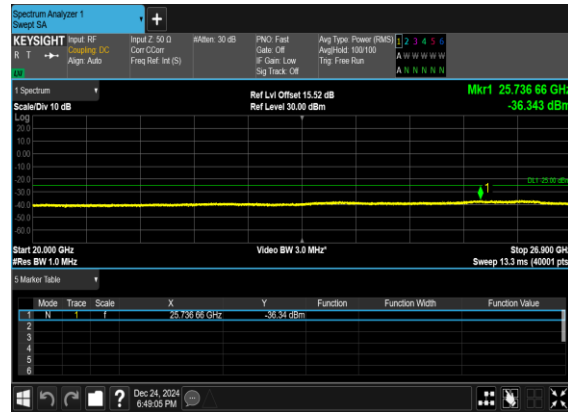




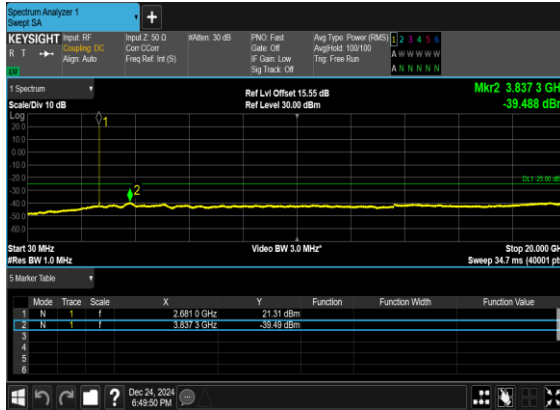
B4_N41(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



B4_N41(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



B4_N41(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

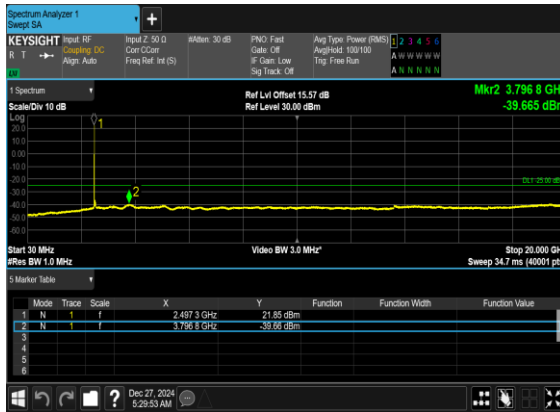


B4_N41(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

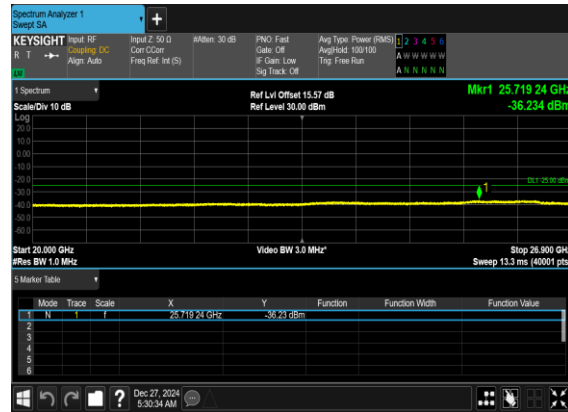




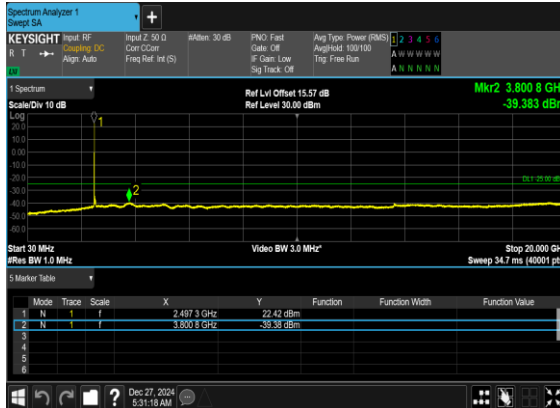
B4_N41(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



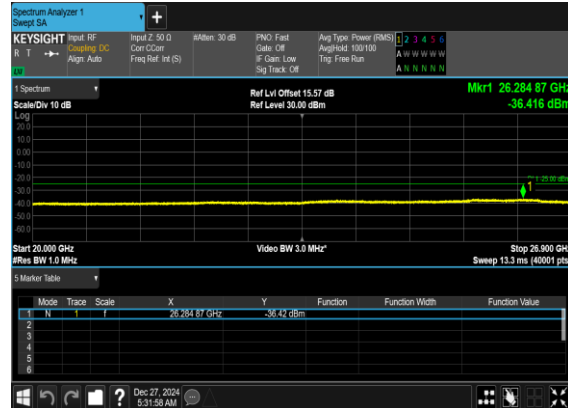
B4_N41(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



B4_N41(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

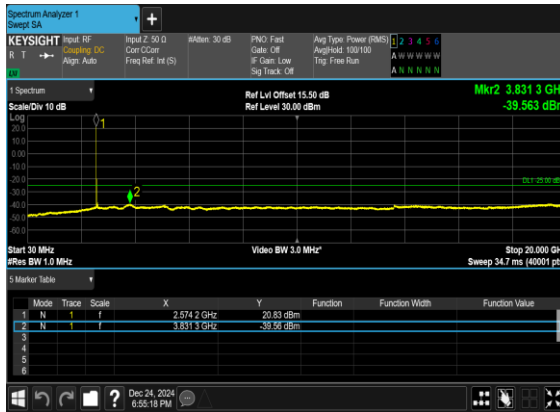


B4_N41(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

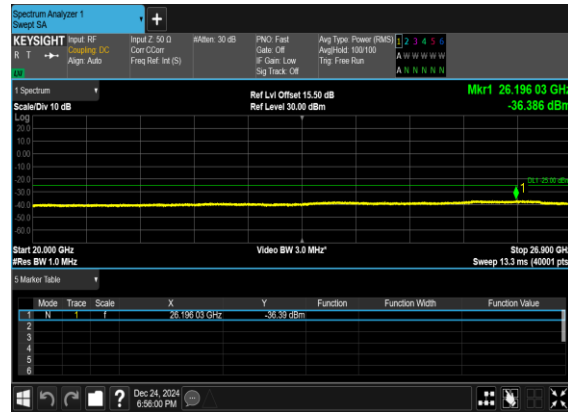




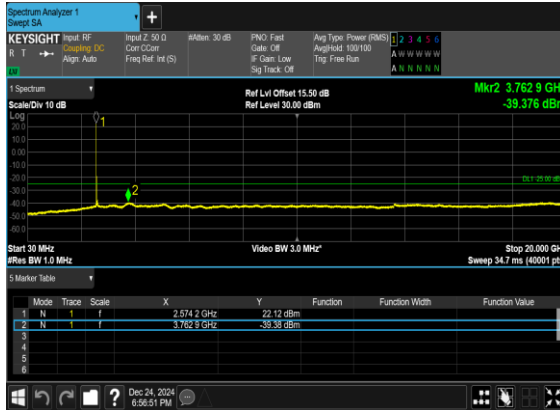
B4_N41(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



B4_N41(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



B4_N41(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

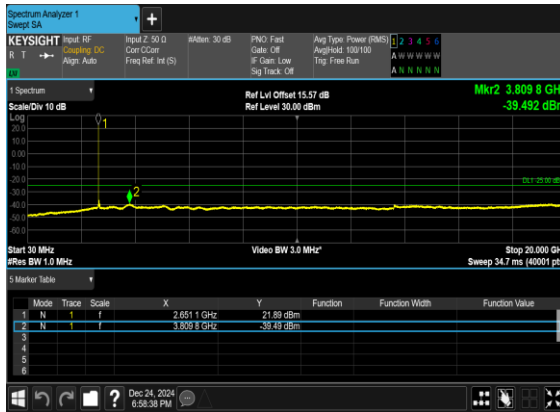


B4_N41(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

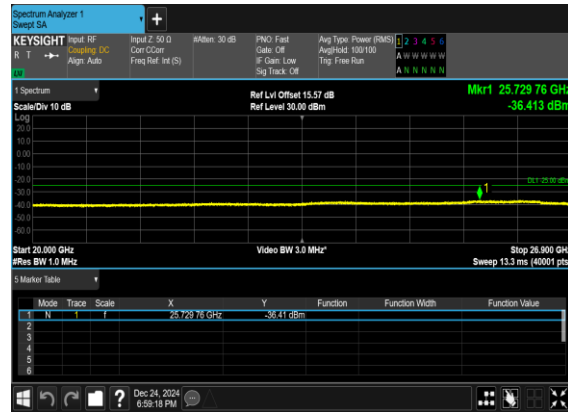




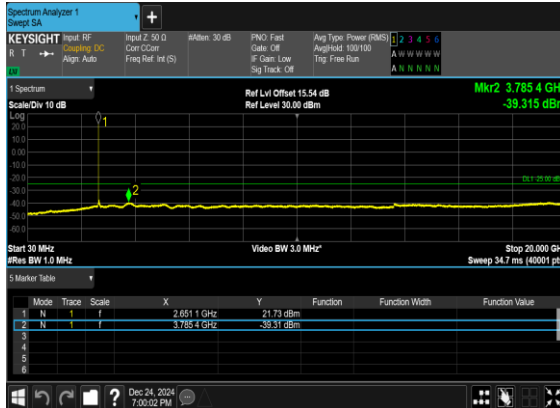
B4_N41(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



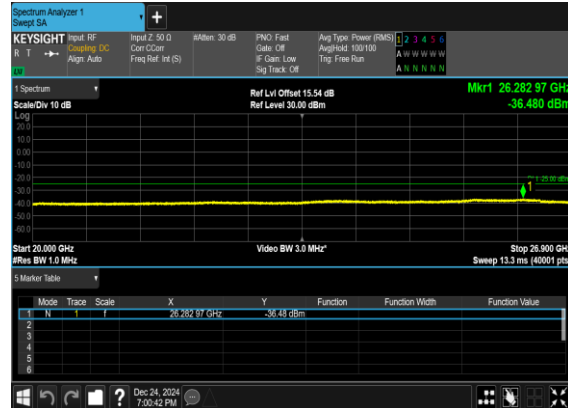
B4_N41(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



B4_N41(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

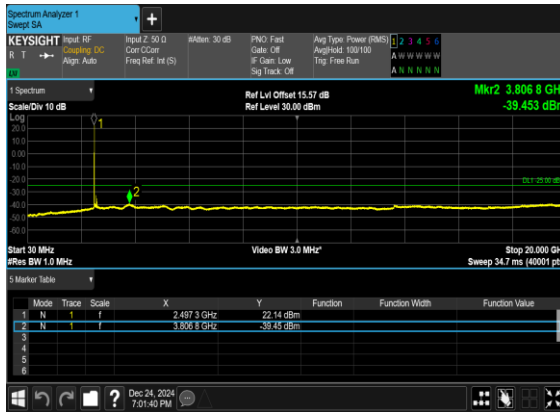


B4_N41(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

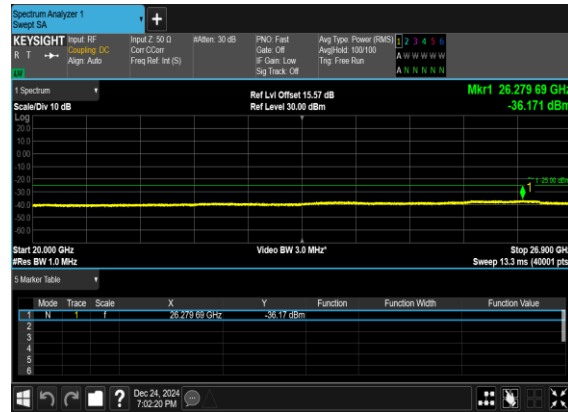




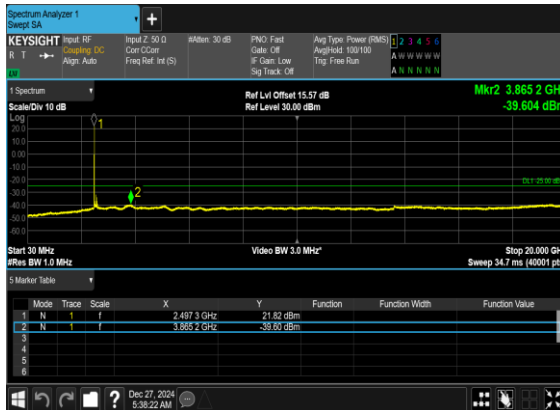
B4_N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



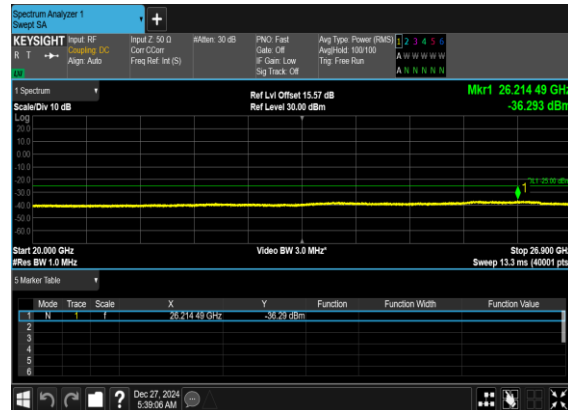
B4_N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



B4_N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

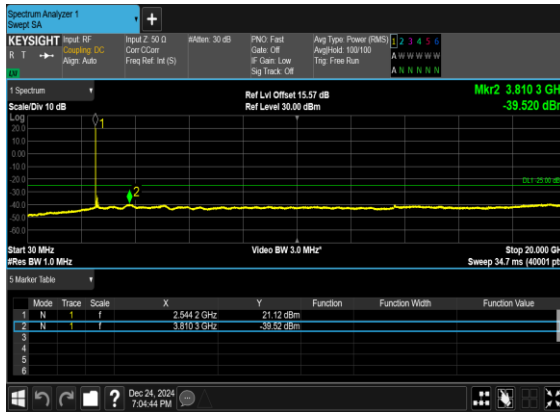


B4_N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

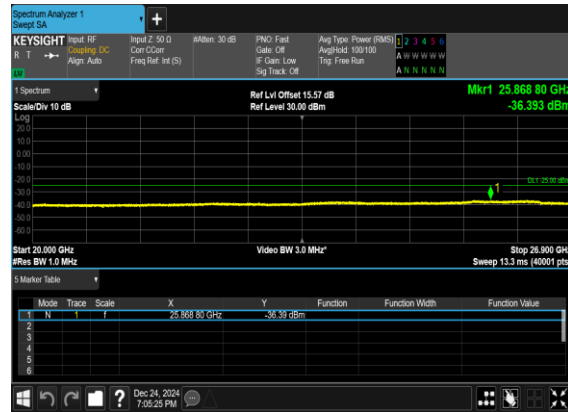




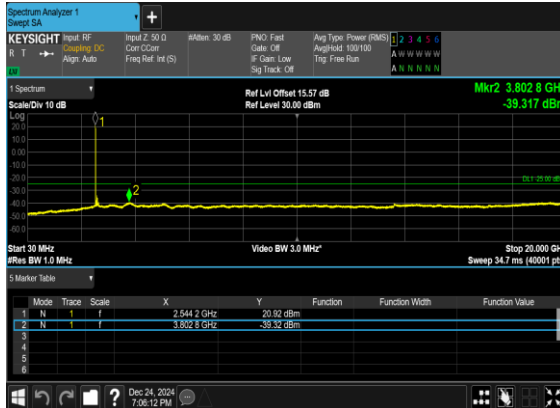
B4_N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



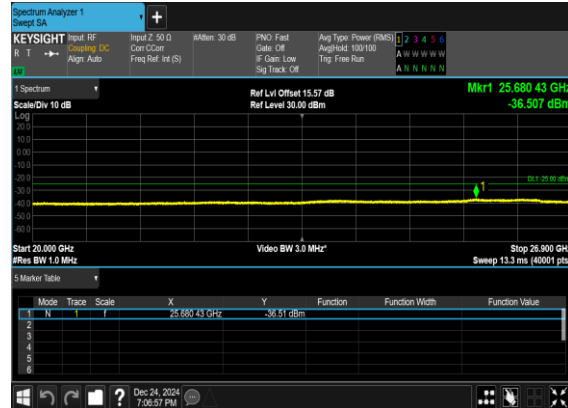
B4_N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



B4_N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

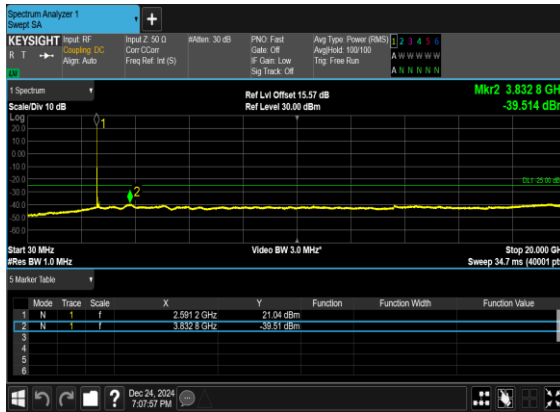


B4_N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

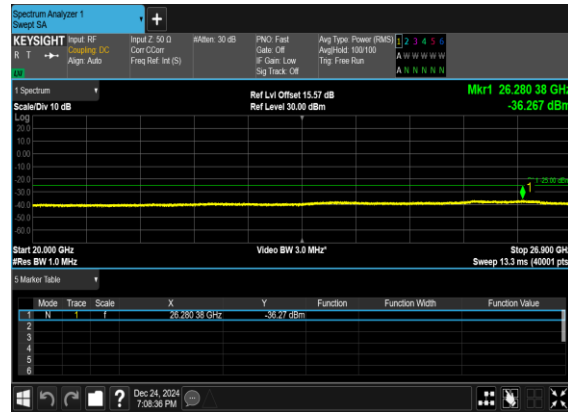




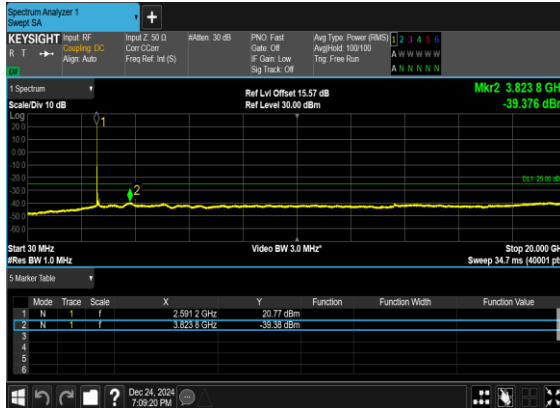
B4_N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



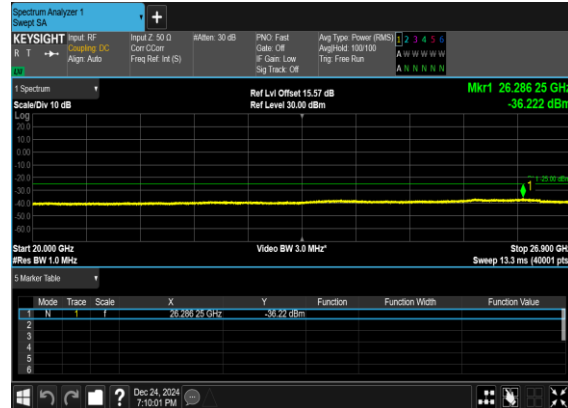
B4_N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



B4_N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



B4_N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



Conducted Band Edge

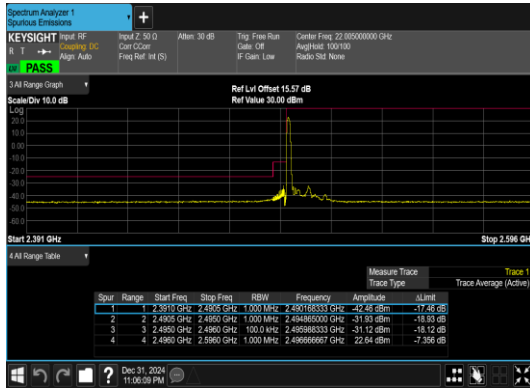
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	30	10	500202	2501.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM BPSK	24@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	24@0	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	40	503202	2516.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	40	503202	2516.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	40	503202	2516.01	DFT-s-OFDM BPSK	100@0	see graph	PASS
41	30	40	503202	2516.01	DFT-s-OFDM QPSK	100@0	see graph	PASS
41	30	40	534000	2670.0	DFT-s-OFDM BPSK	1@105	see graph	PASS
41	30	40	534000	2670.0	DFT-s-OFDM QPSK	1@105	see graph	PASS
41	30	40	534000	2670.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
41	30	40	534000	2670.0	DFT-s-OFDM QPSK	100@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



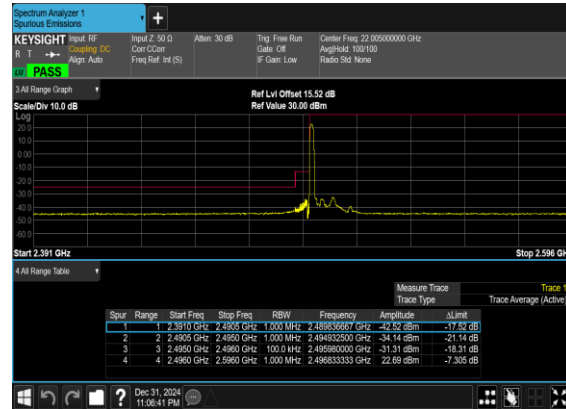
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	1@272	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	1@272	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	270@0	see graph	PASS



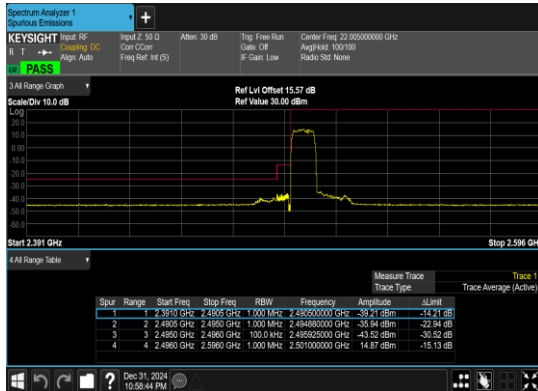
B4_N41(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



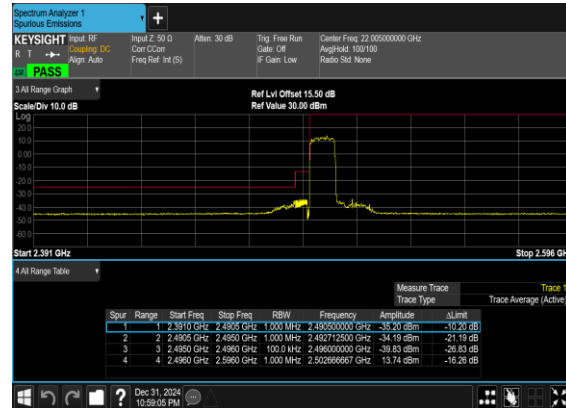
B4_N41(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



B4_N41(10M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

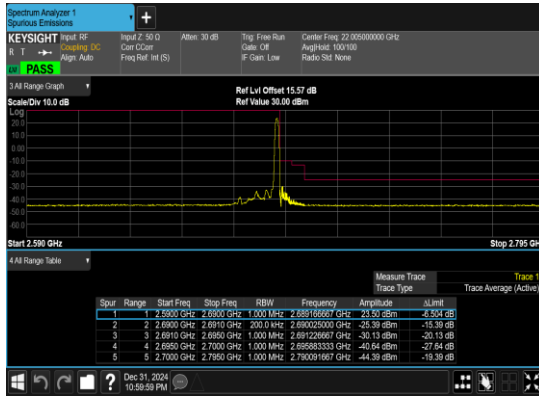


B4_N41(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

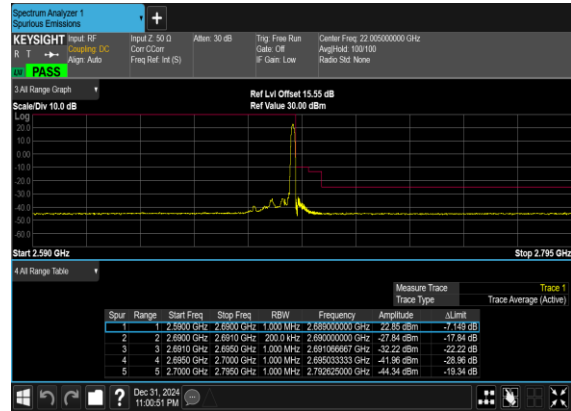




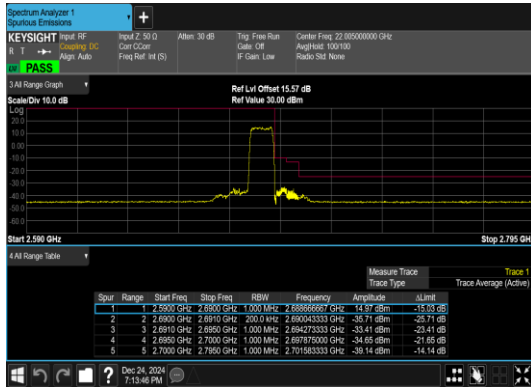
B4_N41(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



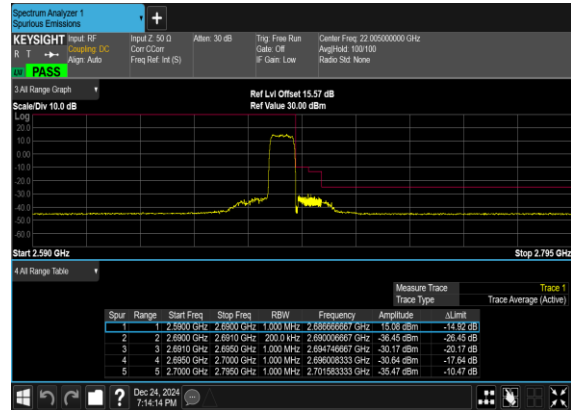
B4_N41(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



B4_N41(10M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

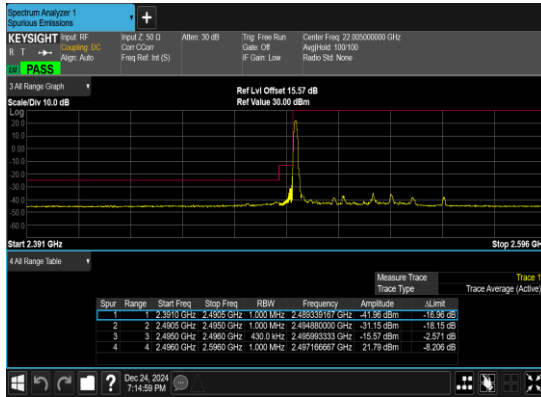


B4_N41(10M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

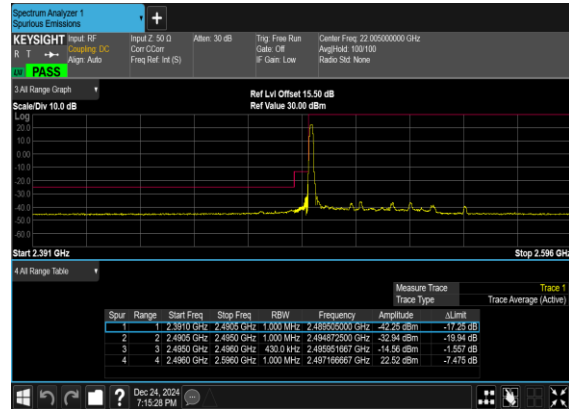




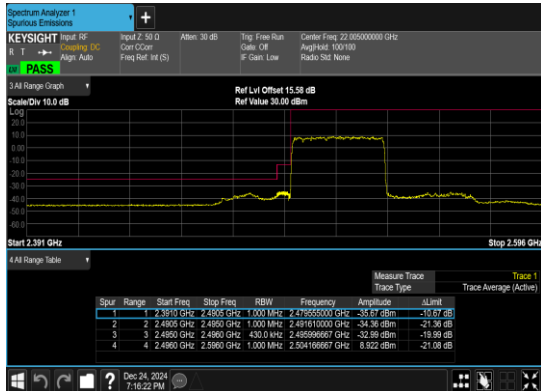
B4_N41(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



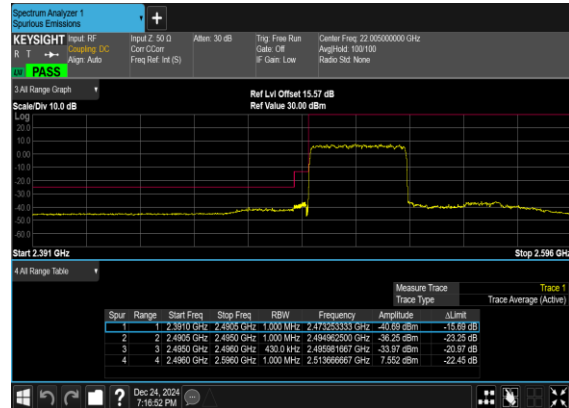
B4_N41(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



B4_N41(40M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

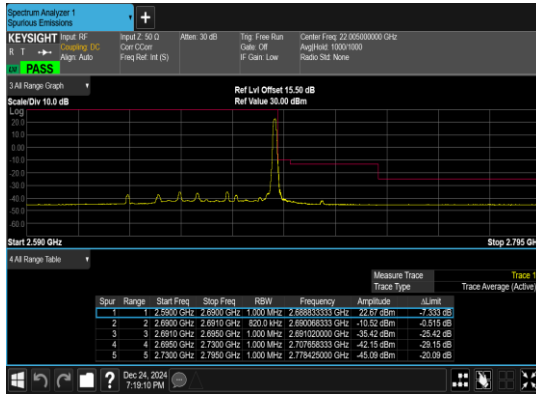


B4_N41(40M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

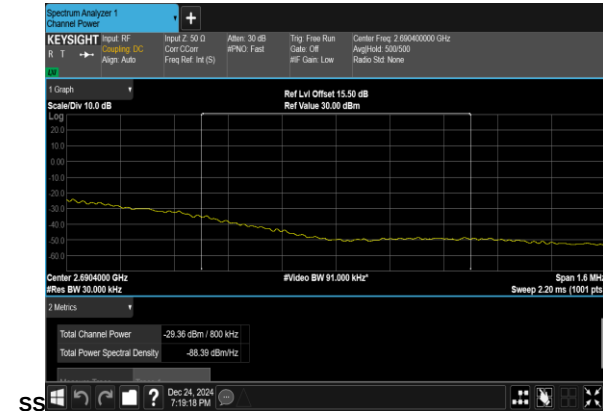




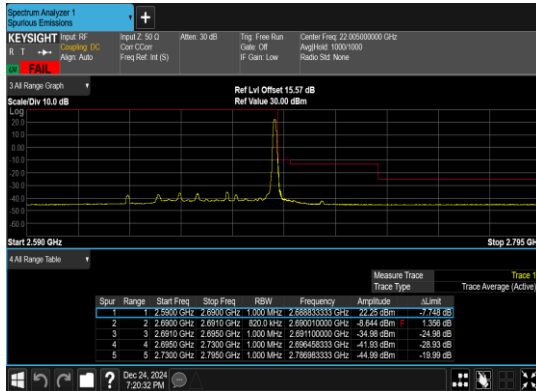
B4_N41(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



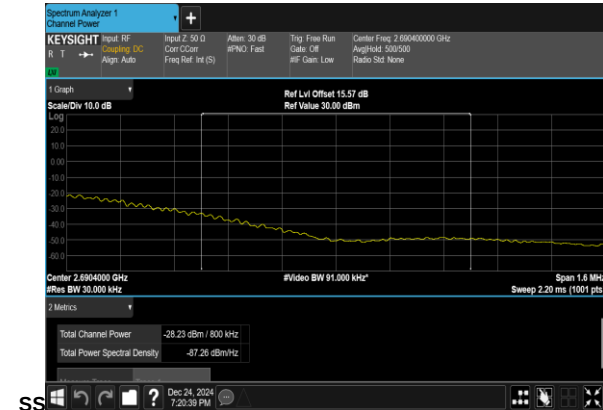
B4_N41(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH_CHP_PA



B4_N41(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH

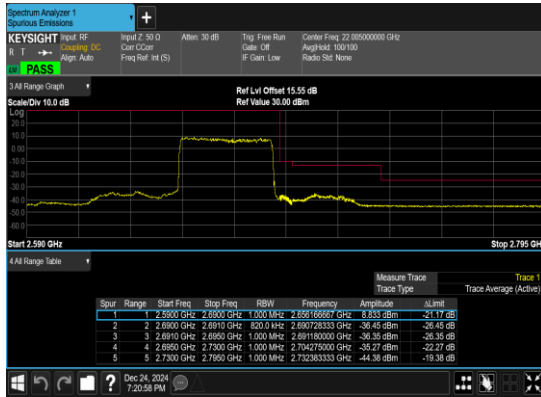


B4_N41(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_PA

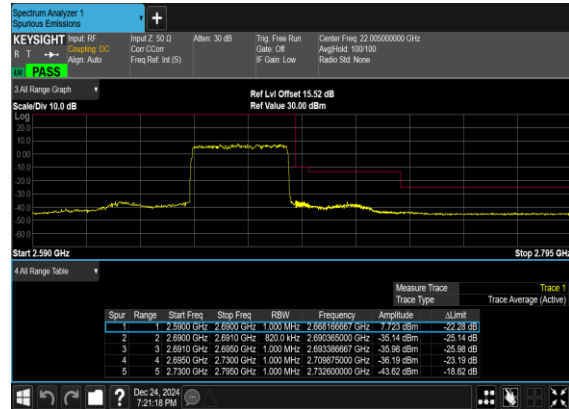




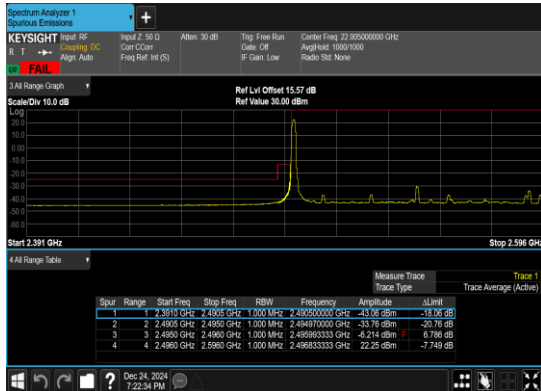
B4_N41(40M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



B4_N41(40M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



B4_N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH

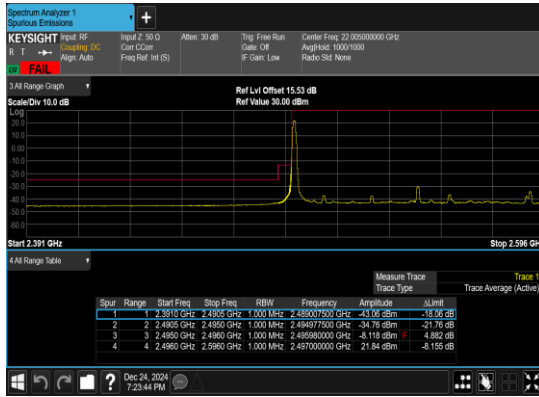


B4_N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PASS

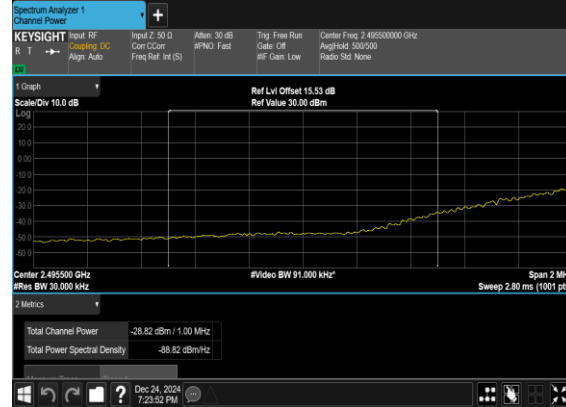




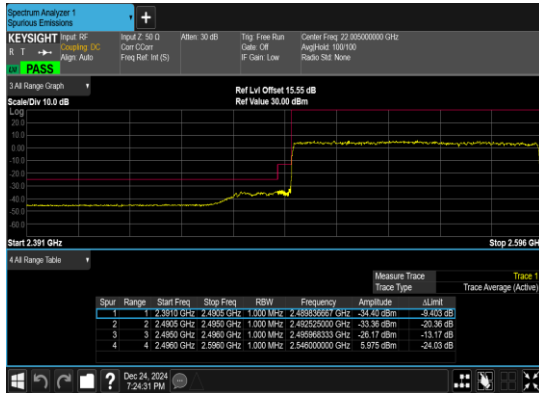
B4_N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



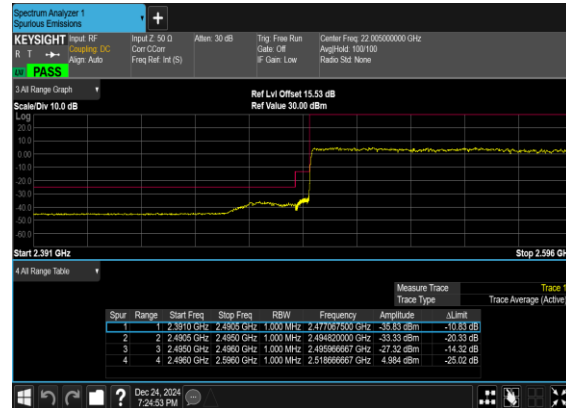
B4_N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH_chp_PASS



B4_N41(100M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

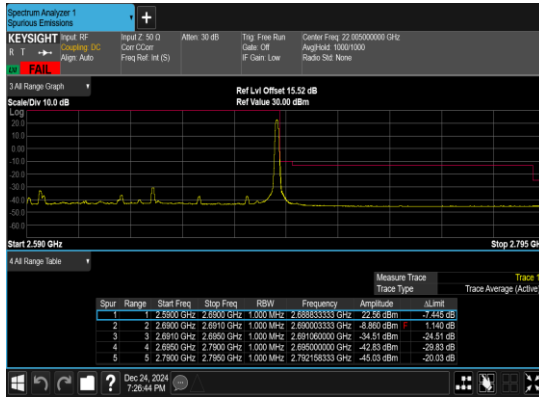


B4_N41(100M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

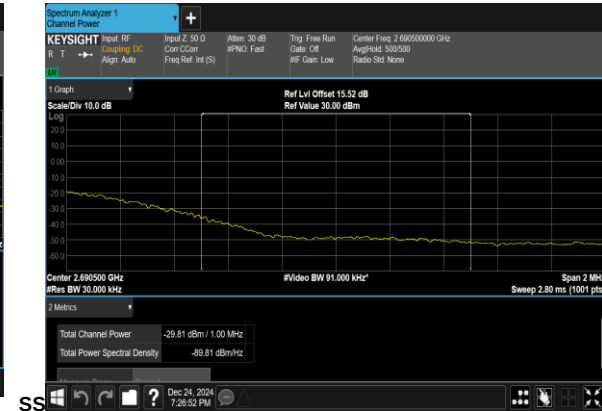




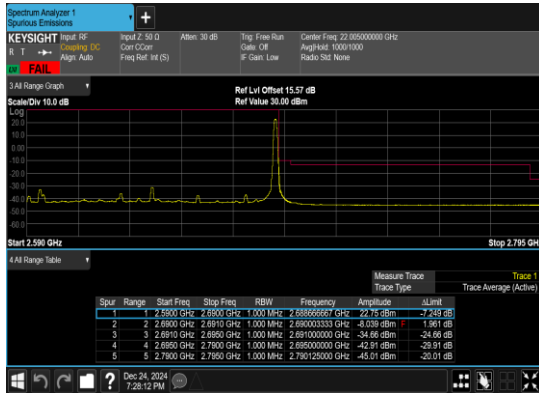
B4_N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



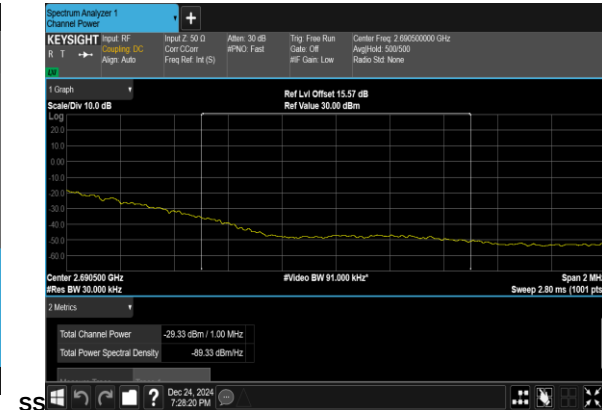
B4_N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH_CHP_PA



B4_N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH

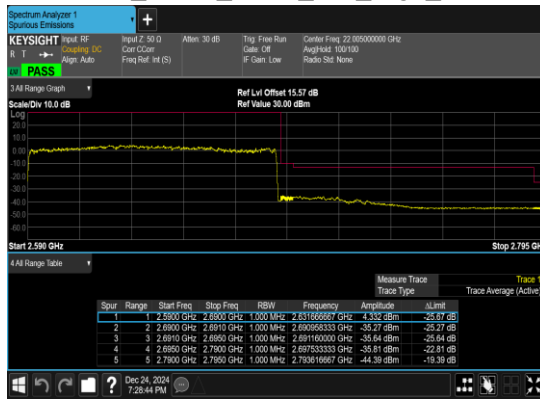


B4_N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_PA

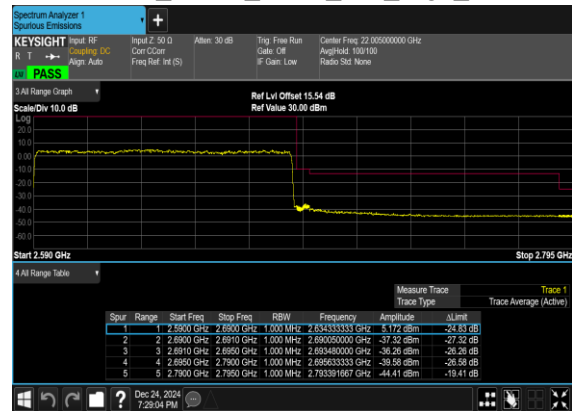




B4_N41(100M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



B4_N41(100M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	HuaCong Liang	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	5025.00	-57.86	-25	-32.86	-80.75	-63.42	7.14	12.70	H
	7537.50	-54.81	-25	-29.81	-81.24	-58.11	8.30	11.60	H
	10050.00	-53.72	-25	-28.72	-83.98	-55.24	10.48	12.00	H
	5025.00	-56.19	-25	-31.19	-80.53	-61.75	7.14	12.70	V
	7537.50	-55.04	-25	-30.04	-81.46	-58.34	8.30	11.60	V
	10050.00	-51.73	-25	-26.73	-82.75	-53.25	10.48	12.00	V

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

EN-DC_5A_n7A / LTE 10MHz + NR 50MHz / QPSK (ANT0+2)									
Channel	Frequency (MHz)	ERP/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	5025.00	-58.57	-25	-33.57	-81.46	-64.13	7.14	12.70	H
	7537.50	-55.43	-25	-30.43	-81.86	-58.73	8.30	11.60	H
	10050.00	-53.11	-25	-28.11	-83.37	-54.63	10.48	12.00	H
	5025.00	-57.49	-25	-32.49	-81.83	-63.05	7.14	12.70	V
	7537.50	-55.53	-25	-30.53	-81.95	-58.83	8.30	11.60	V
	10050.00	-52.20	-25	-27.20	-83.22	-53.72	10.48	12.00	V
LTE Band5 Middle	1673	-65.09	-13	-52.09	-76.77	-68.34	4.00	9.40	H
	2509.5	-59.95	-13	-46.95	-78.95	-63.52	4.88	10.60	H
	3346	-58.88	-13	-45.88	-79.85	-63.81	5.52	12.60	H
	1673	-64.12	-13	-51.12	-76.51	-67.37	4.00	9.40	V
	2509.5	-58.92	-13	-45.92	-78.13	-62.49	4.88	10.60	V
	3346	-58.39	-13	-45.39	-79.66	-63.32	5.52	12.60	V

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



EN-DC_66A_n7A / LTE 10MHz + NR 50MHz / QPSK (ANT2+1) for Other PA									
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	5025.00	-58.64	-25	-33.64	-81.53	-64.20	7.14	12.70	H
	7537.50	-55.55	-25	-30.55	-81.98	-58.85	8.30	11.60	H
	10050.00	-53.13	-25	-28.13	-83.39	-54.65	10.48	12.00	H
	5025.00	-57.43	-25	-32.43	-81.77	-62.99	7.14	12.70	V
	7537.50	-55.70	-25	-30.70	-82.12	-59.00	8.30	11.60	V
	10050.00	-52.40	-25	-27.40	-83.42	-53.92	10.48	12.00	V
LTE Band66 Middle	3481	-58.54	-13	-45.54	-80.18	-65.39	5.65	12.50	H
	5221.5	-57.68	-13	-44.68	-81.80	-63.35	7.13	12.80	H
	6962	-55.90	-13	-42.90	-81.60	-59.30	8.40	11.80	H
	3481	-57.46	-13	-44.46	-79.77	-64.31	5.65	12.50	V
	5221.5	-57.48	-13	-44.48	-81.77	-63.15	7.13	12.80	V
	6962	-55.28	-13	-42.28	-81.53	-58.68	8.40	11.80	V

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

EN-DC_66A_n41A / LTE 10MHz + NR 100MHz / QPSK (ANT2+1)									
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	5089.00	-57.27	-25	-32.27	-80.62	-62.83	7.14	12.70	H
	7633.50	-54.92	-25	-29.92	-81.09	-58.22	8.30	11.60	H
	10178.00	-53.04	-25	-28.04	-83.49	-54.56	10.48	12.00	H
	5089.00	-56.65	-25	-31.65	-80.98	-62.21	7.14	12.70	V
	7633.50	-54.40	-25	-29.40	-81.25	-57.70	8.30	11.60	V
	10178.00	-51.74	-25	-26.74	-83.41	-53.26	10.48	12.00	V
LTE Band66 Middle	3481	-57.84	-13	-44.84	-79.48	-64.69	5.65	12.50	H
	5221.5	-57.72	-13	-44.72	-81.84	-63.39	7.13	12.80	H
	6962	-55.13	-13	-42.13	-80.83	-58.53	8.40	11.80	H
	3481	-56.79	-13	-43.79	-79.1	-63.64	5.65	12.50	V
	5221.5	-57.32	-13	-44.32	-81.61	-62.99	7.13	12.80	V
	6962	-55.32	-13	-42.32	-81.57	-58.72	8.40	11.80	V

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