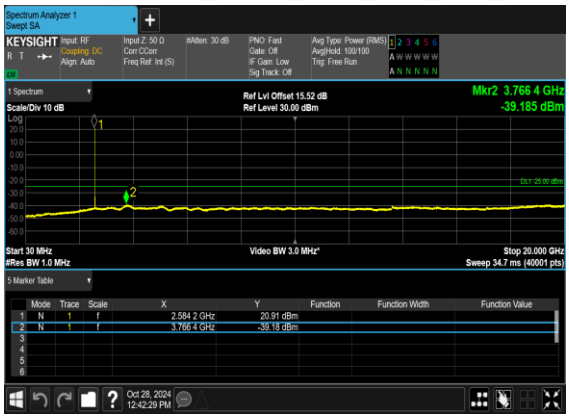
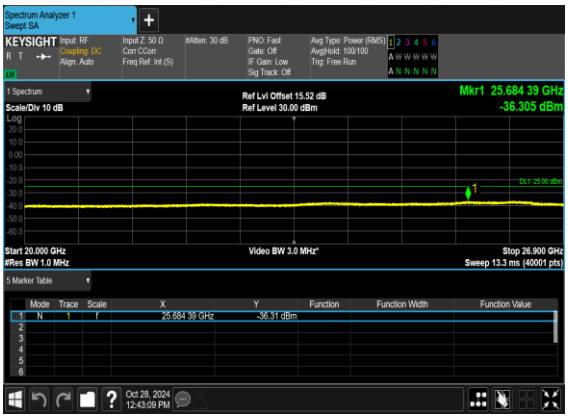
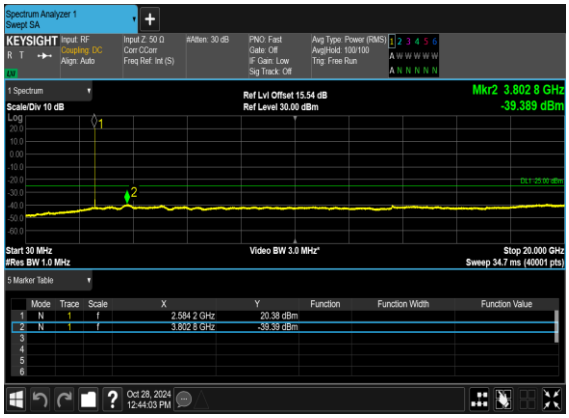
N41(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



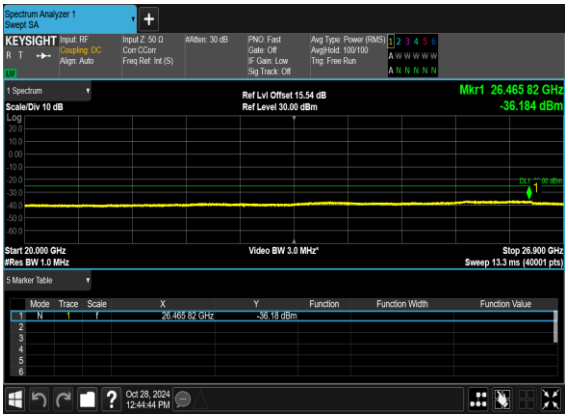
N41(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



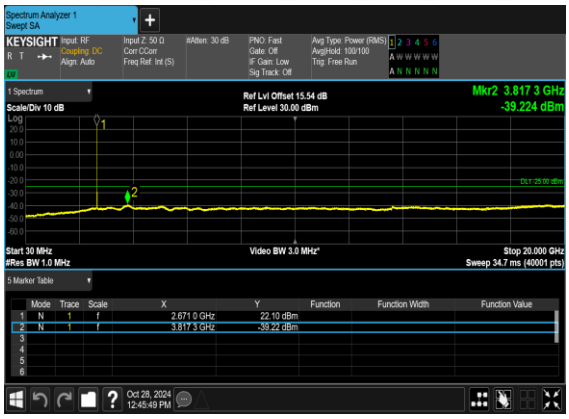
N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



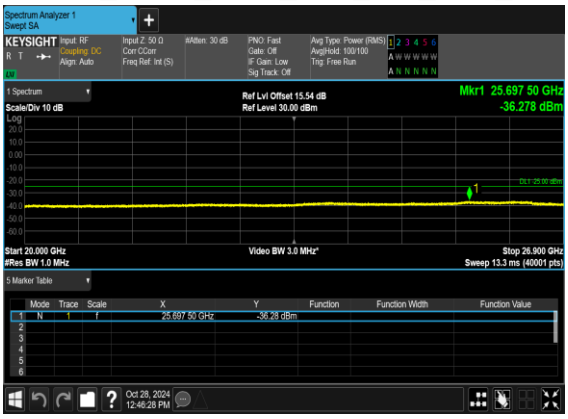
N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



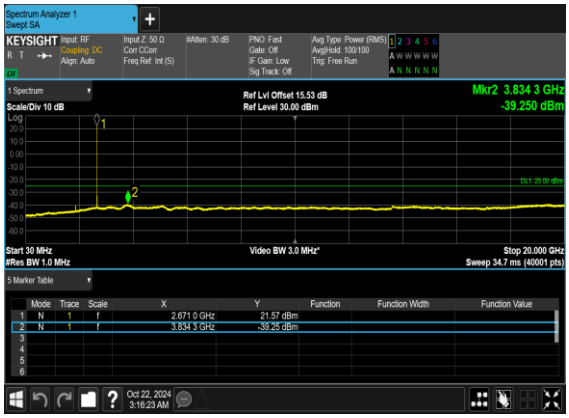
N41(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



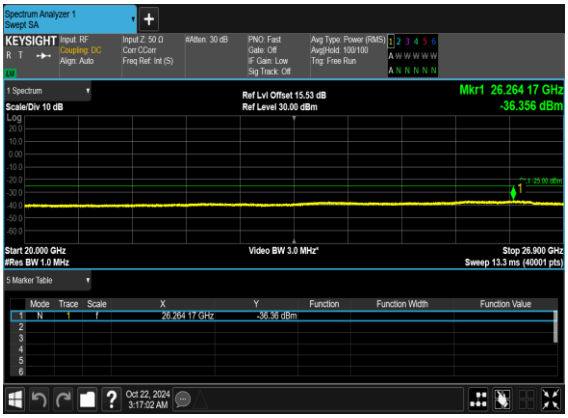
N41(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



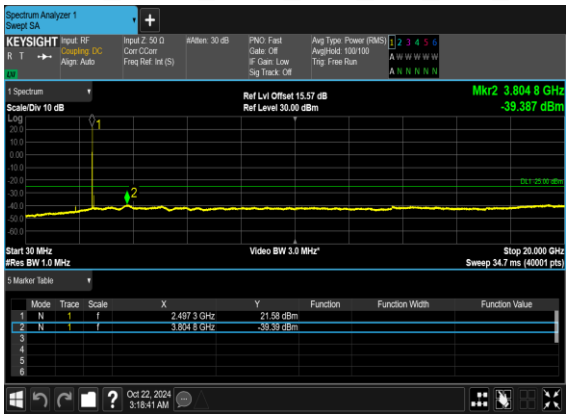
N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



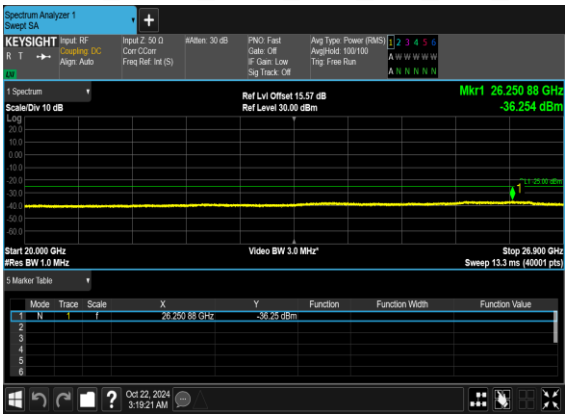
N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



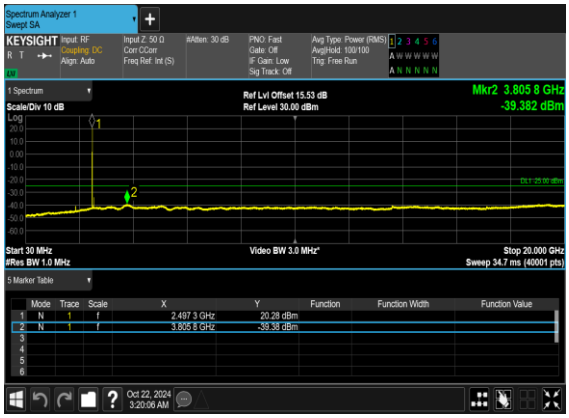
N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



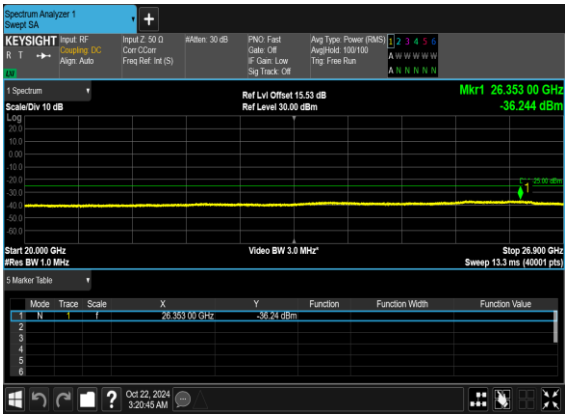
N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



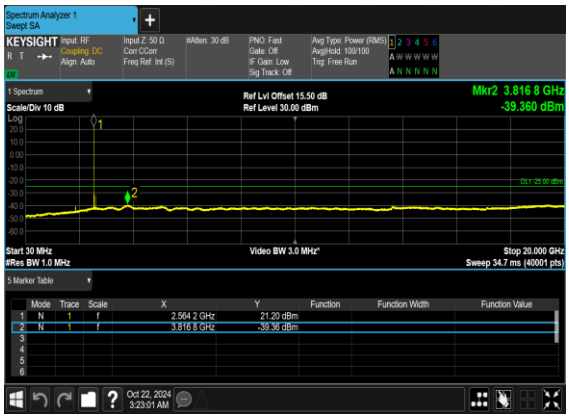
N41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



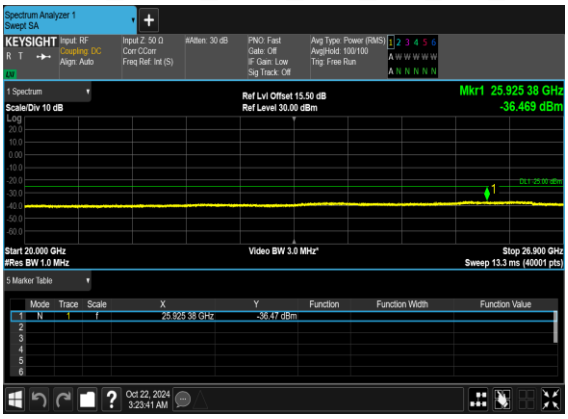
N41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



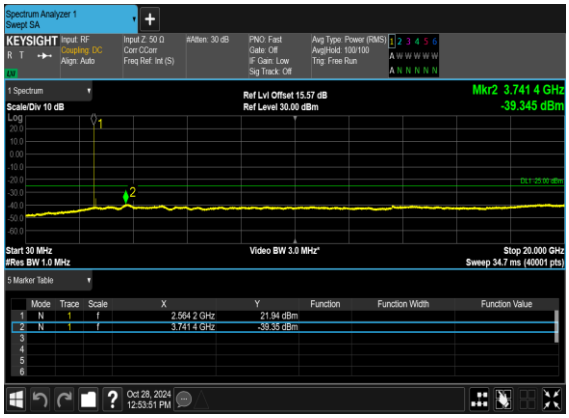
N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



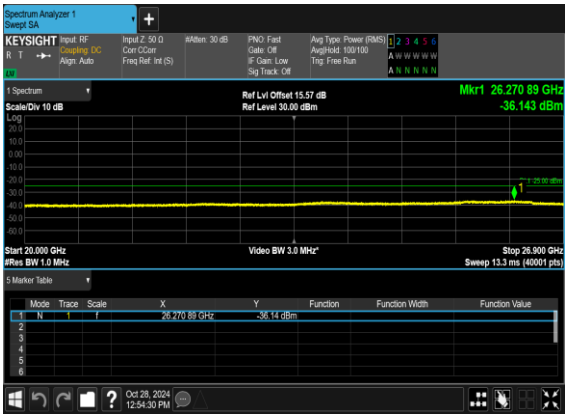
N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



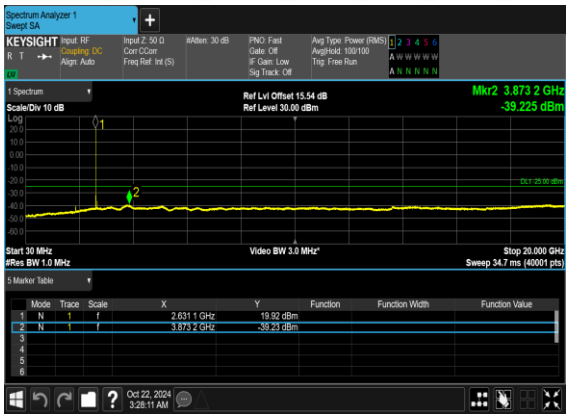
N41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



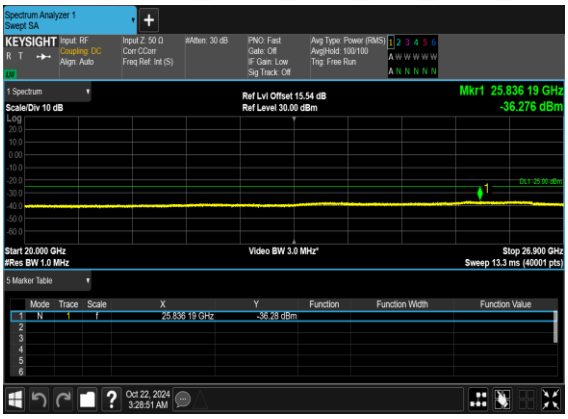
N41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



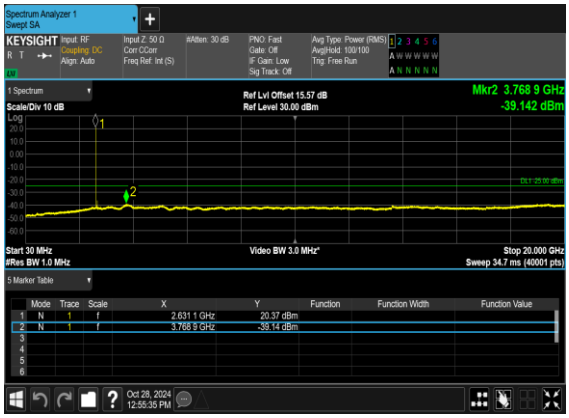
N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



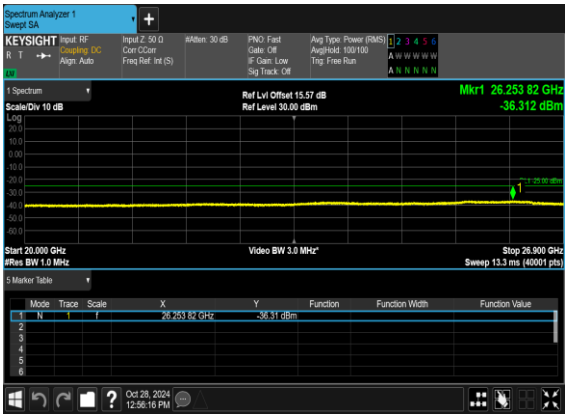
N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



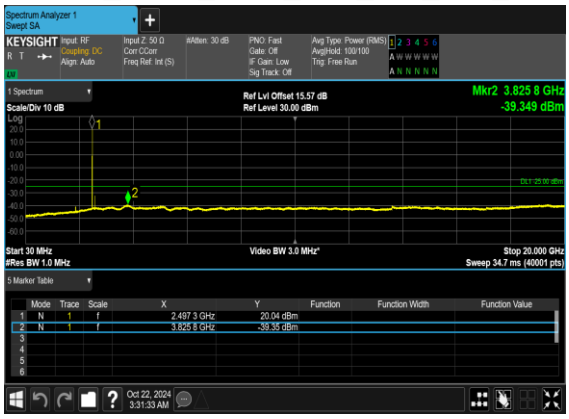
N41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



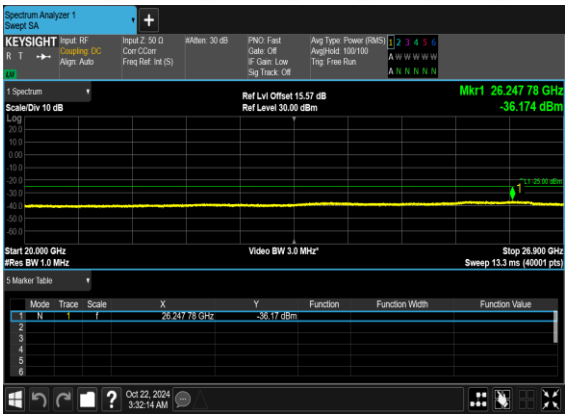
N41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



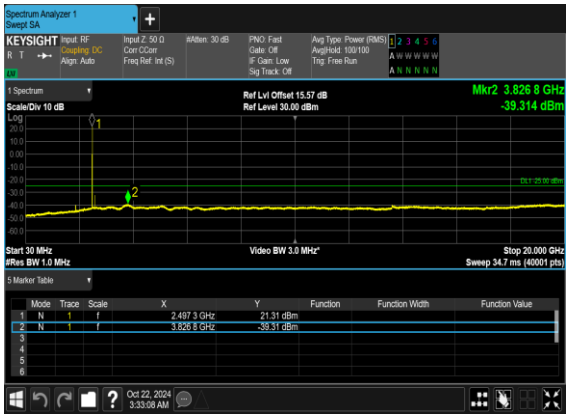
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



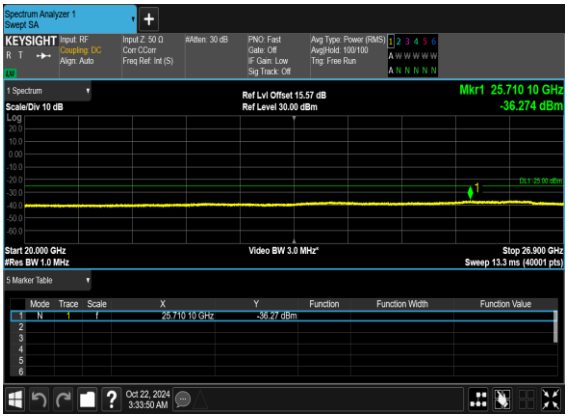
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



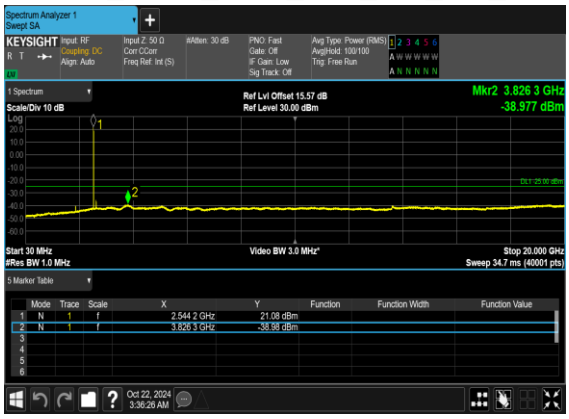
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



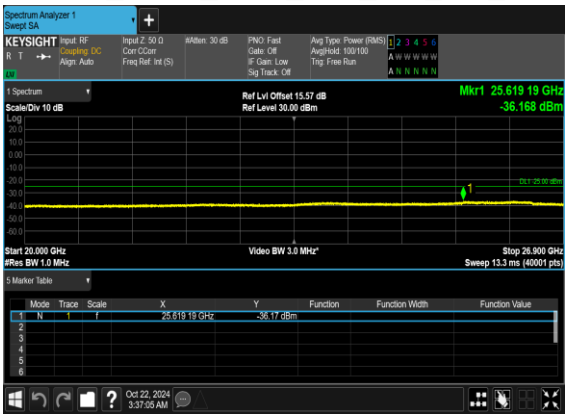
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



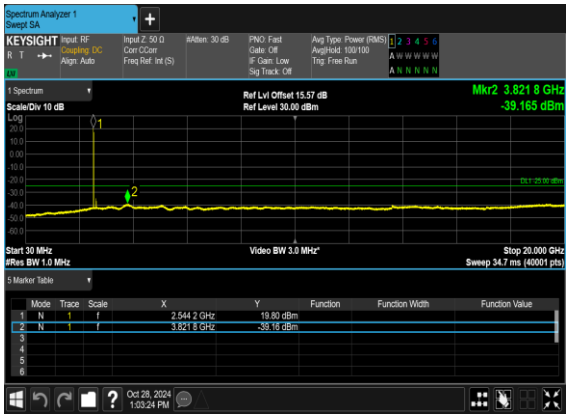
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



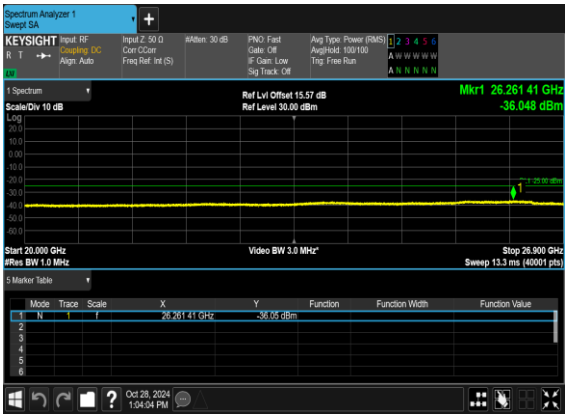
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



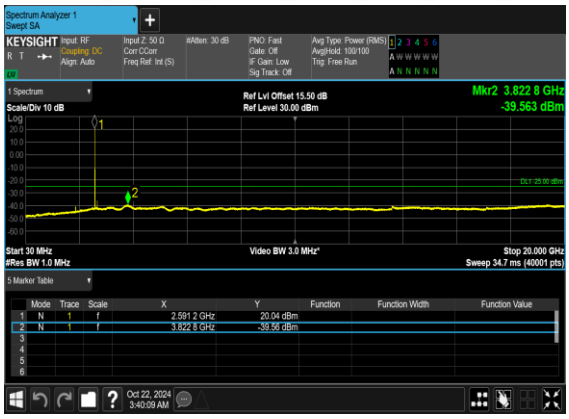
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



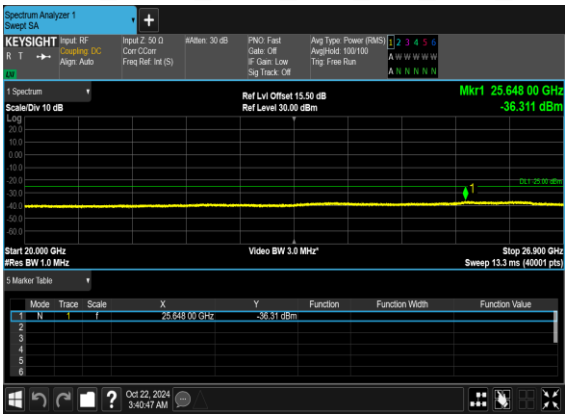
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



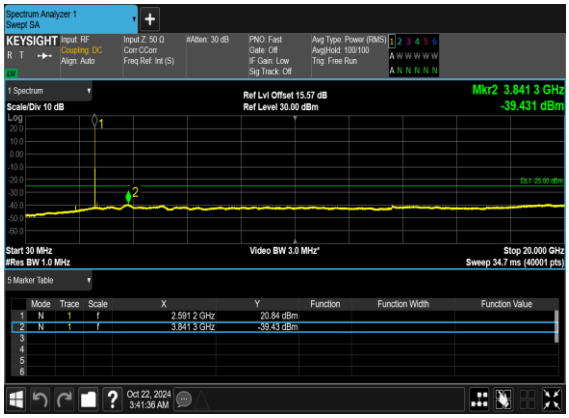
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



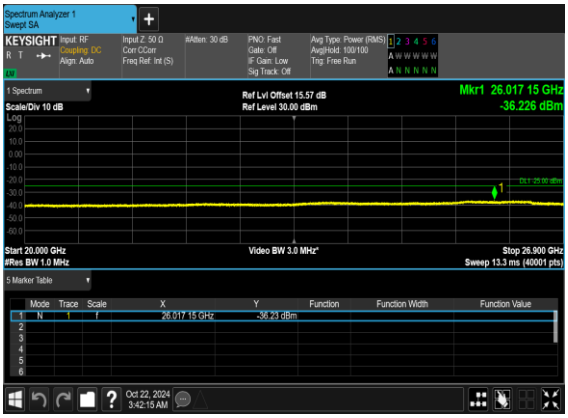
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



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

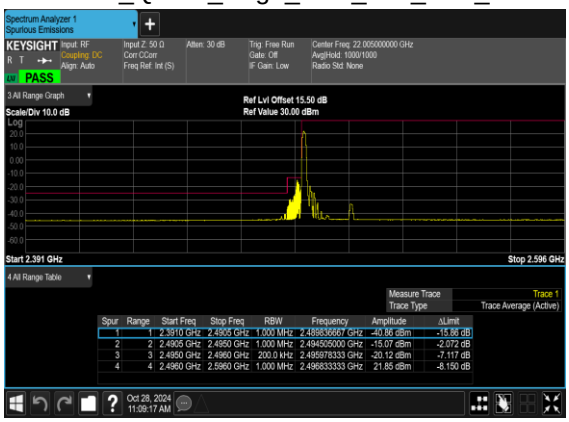
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	30	20	501204	2506.02	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	20	501204	2506.02	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
41	30	20	501204	2506.02	DFT-s-OFDM 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**

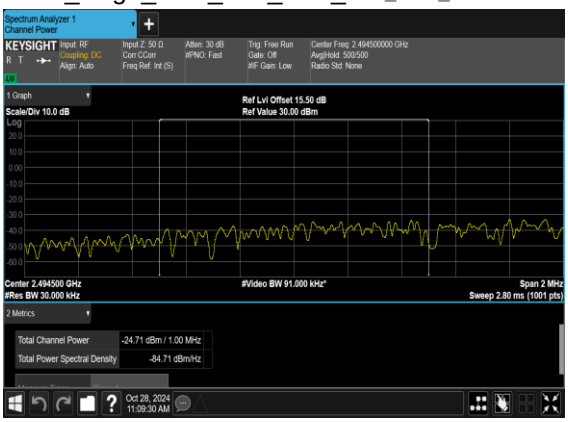
N41(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

N41(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PASS

N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



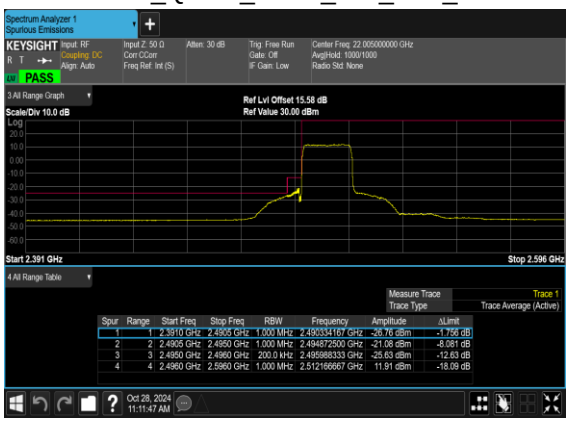
N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS



N41(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

N41(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH_**CHP_PASS**

N41(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

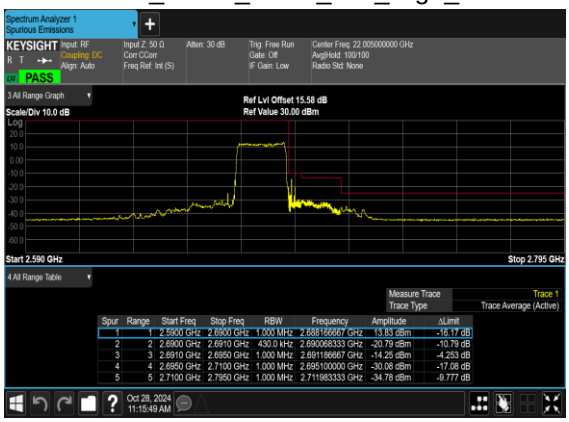


N41(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH_**CHP_PASS**

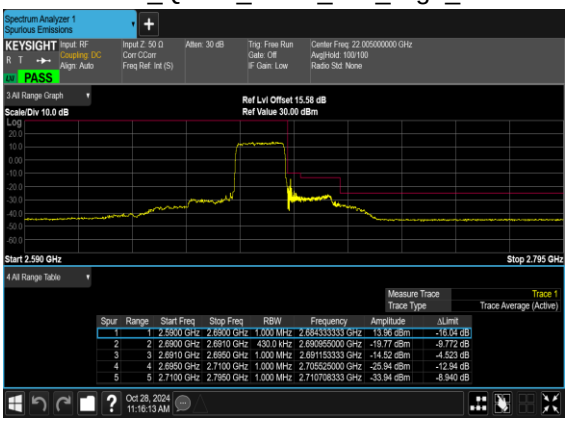
N41(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

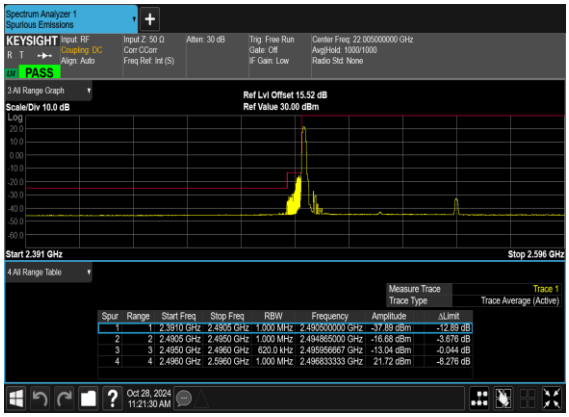
N41(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N41(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



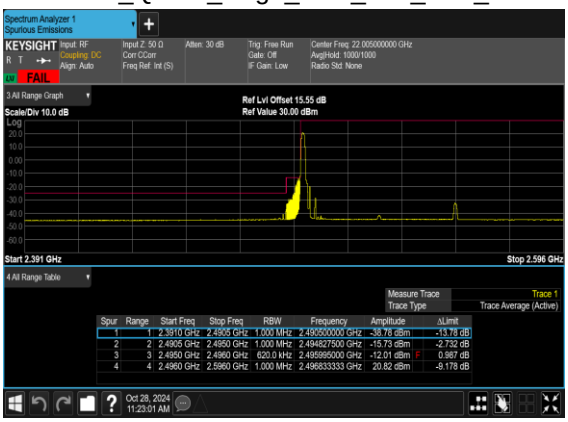
N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_**CHP_PASS**

N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_**CHP_PASS**

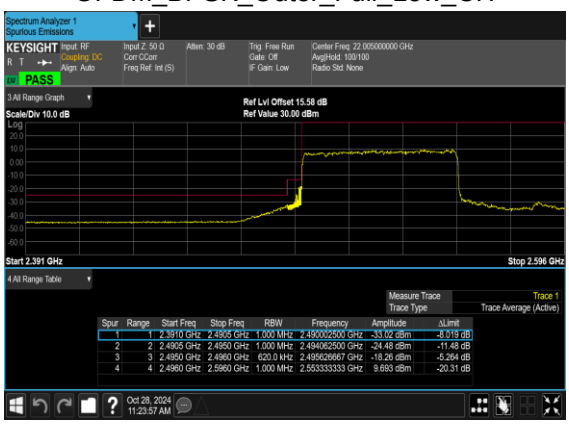
N41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



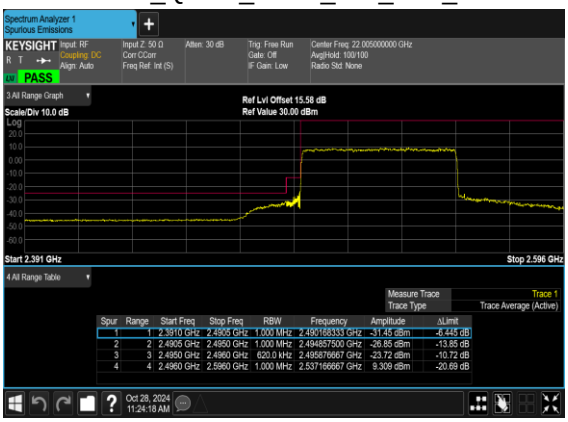
N41(60M)_DFT-s-OFDM_QPSK _Edge_1RB_Left_Low_CH_CHP_PASS

N41(60M)_DFT-s-OFDM_QPSK _Edge_1RB_Left_Low_CH_CHP_PASS

N41(60M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

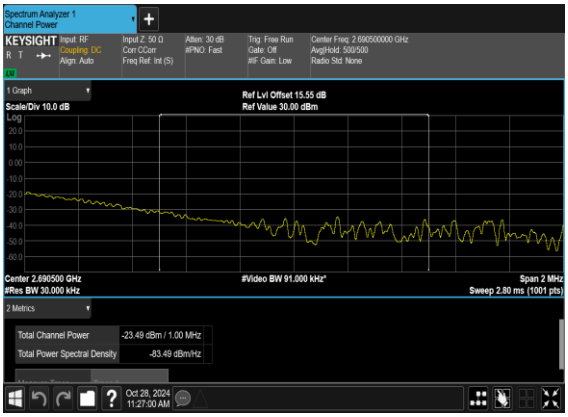


N41(60M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

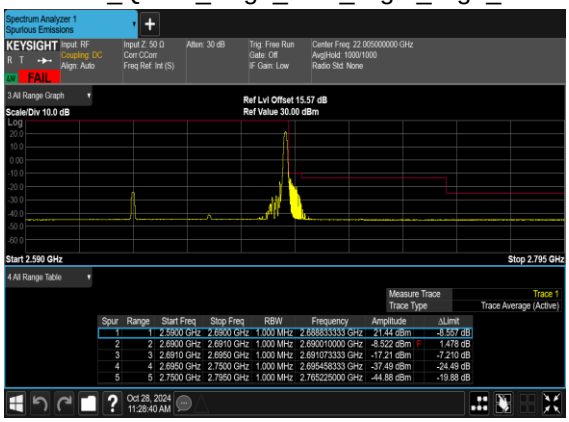


N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

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

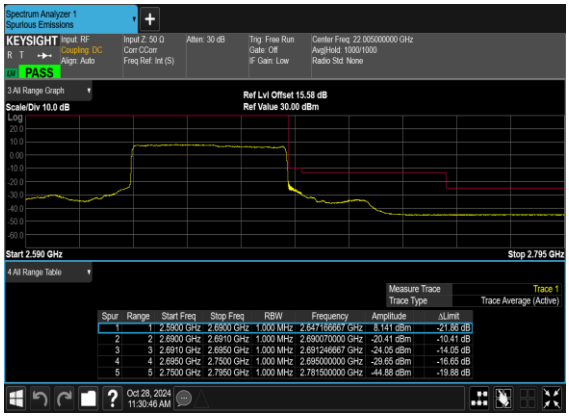


N41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

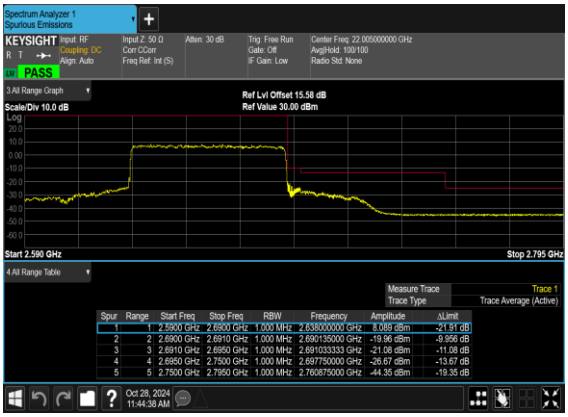


N41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_**CHP_PASS**

N41(60M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

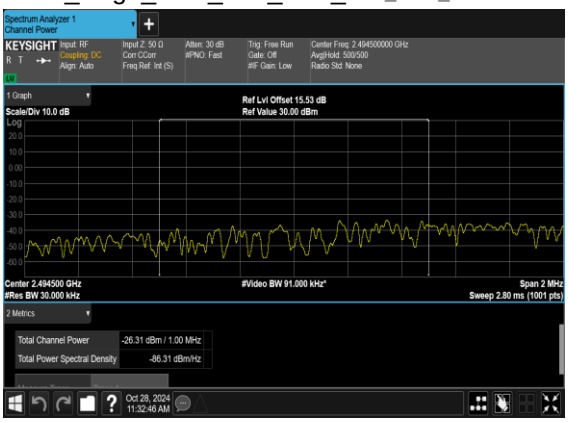


N41(60M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



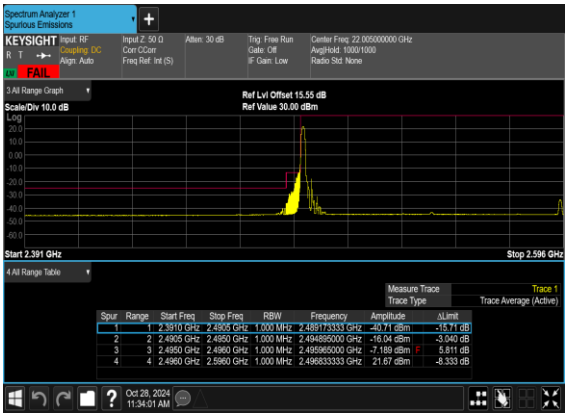
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PASS



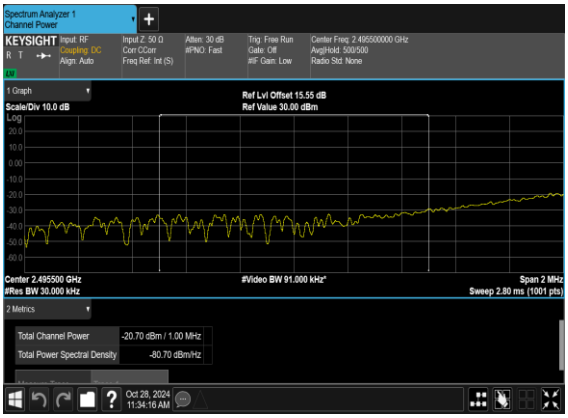
N41(100M)_DFT-s-OFDM_BPSK _Edge_1RB_Left_Low_CH_**CHP_PASS**

N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

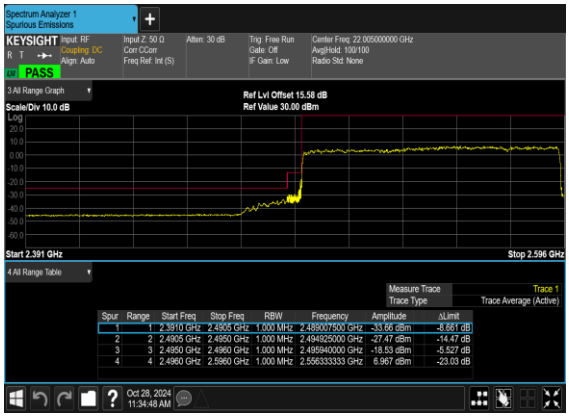


N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_**CHP_PASS**

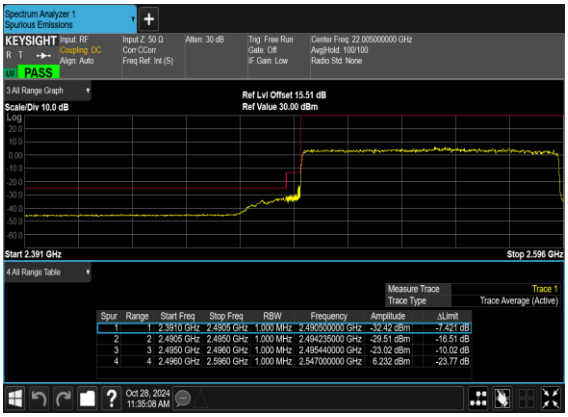
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_**CHP_PASS**



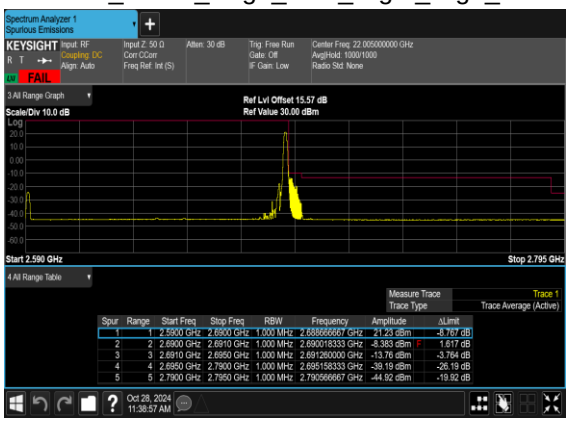
N41(100M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



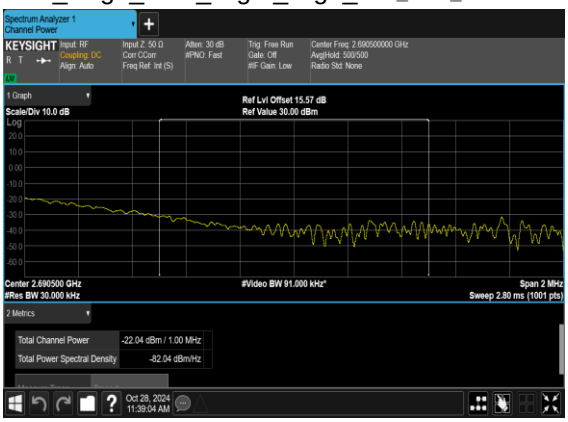
N41(100M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



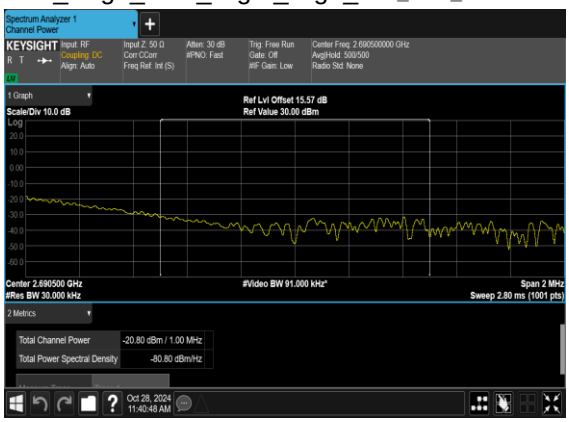
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_**CHP_PASS**



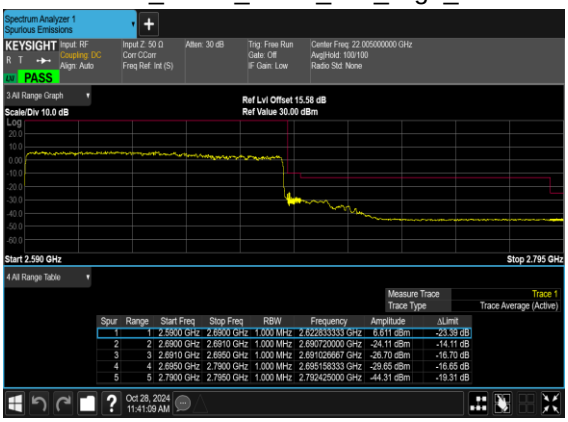
N41(100M)_DFT-s-OFDM_BPSK _Edge_1RB_Right_High_CH_**CHP_PASS**

N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

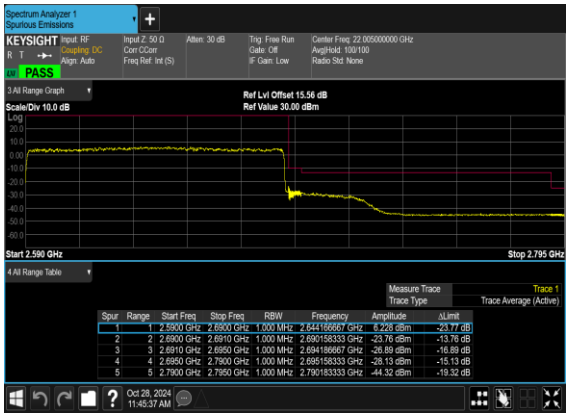
N41(100M)_DFT-s-OFDM_QPSK _Edge_1RB_Right_High_CH_**CHP_PASS**



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 :	Test Engineer :	HuaCong Liang	Temperature :
		Relative Humidity :	Relative Humidity :

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

n7 SA / NR 20MHz / 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	5051.50	-57.08	-25	-32.08	-81.03	-62.64	7.14	12.70	H
	7577.25	-55.22	-25	-30.22	-81.92	-58.52	8.30	11.60	H
	10103.00	-52.39	-25	-27.39	-83.30	-53.91	10.48	12.00	H
	5051.50	-56.08	-25	-31.08	-81.36	-61.64	7.14	12.70	V
	7577.25	-55.04	-25	-30.04	-81.74	-58.34	8.30	11.60	V
	10103.00	-51.34	-25	-26.34	-83.18	-52.86	10.48	12.00	V

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

EN-DC_66A_n7A / LTE 10MHz + NR 20MHz / QPSK (ANT3+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	5051.50	-57.26	-25	-32.26	-81.21	-62.82	7.14	12.70	H
	7577.25	-55.52	-25	-30.52	-82.22	-58.82	8.30	11.60	H
	10103.00	-52.40	-25	-27.40	-83.31	-53.92	10.48	12.00	H
	5051.50	-56.40	-25	-31.40	-81.68	-61.96	7.14	12.70	V
	7577.25	-55.41	-25	-30.41	-82.11	-58.71	8.30	11.60	V
	10103.00	-51.19	-25	-26.19	-83.03	-52.71	10.48	12.00	V
LTE Band66 Middle	3481	-58.77	-13	-45.77	-80.81	-65.62	5.65	12.50	H
	5221.5	-56.96	-13	-43.96	-81.84	-62.63	7.13	12.80	H
	6962	-55.62	-13	-42.62	-82.00	-59.02	8.40	11.80	H
	3481	-57.70	-13	-44.70	-80.41	-64.55	5.65	12.50	V
	5221.5	-57.19	-13	-44.19	-82.24	-62.86	7.13	12.80	V
	6962	-55.25	-13	-42.25	-82.18	-58.65	8.40	11.80	V

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

n12 SA / NR 15MHz / QPSK(ANT0)									
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	1401.3	-64.04	-13	-51.04	-75.30	-67.29	4.00	9.40	H
	2102	-60.60	-13	-47.60	-78.75	-64.17	4.88	10.60	H
	2802.6	-59.72	-13	-46.72	-79.10	-64.65	5.52	12.60	H
	1401.3	-62.60	-13	-49.60	-74.92	-65.85	4.00	9.40	V
	2102	-60.55	-13	-47.55	-78.49	-64.12	4.88	10.60	V
	2802.6	-58.99	-13	-45.99	-79.13	-63.92	5.52	12.60	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	5089.00	-57.18	-25	-32.18	-81.46	-62.74	7.14	12.70	H
	7633.50	-55.31	-25	-30.31	-81.85	-58.61	8.30	11.60	H
	10178.00	-52.23	-25	-27.23	-83.25	-53.75	10.48	12.00	H
	5089.00	-56.15	-25	-31.15	-81.41	-61.71	7.14	12.70	V
	7633.50	-54.47	-25	-29.47	-81.69	-57.77	8.30	11.60	V
	10178.00	-50.88	-25	-25.88	-83.12	-52.40	10.48	12.00	V

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

EN-DC_66A_n41A / LTE 10MHz + NR 100MHz / QPSK (ANT3+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	5089	-56.91	-25	-31.91	-81.19	-62.47	7.14	12.70	H
	7633.5	-55.49	-25	-30.49	-82.03	-58.79	8.30	11.60	H
	10178	-52.74	-25	-27.74	-83.76	-54.26	10.48	12.00	H
	5089	-56.70	-25	-31.70	-81.96	-62.26	7.14	12.70	V
	7633.5	-55.06	-25	-30.06	-82.28	-58.36	8.30	11.60	V
	10178	-51.20	-25	-26.20	-83.44	-52.72	10.48	12.00	V
LTE Band66 Middle	3481	-58.93	-13	-45.93	-80.97	-65.78	5.65	12.50	H
	5221.5	-57.06	-13	-44.06	-81.94	-62.73	7.13	12.80	H
	6962	-55.64	-13	-42.64	-82.02	-59.04	8.40	11.80	H
	3481	-57.92	-13	-44.92	-80.63	-64.77	5.65	12.50	V
	5221.5	-57.17	-13	-44.17	-82.22	-62.84	7.13	12.80	V
	6962	-54.82	-13	-41.82	-81.75	-58.22	8.40	11.80	V

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