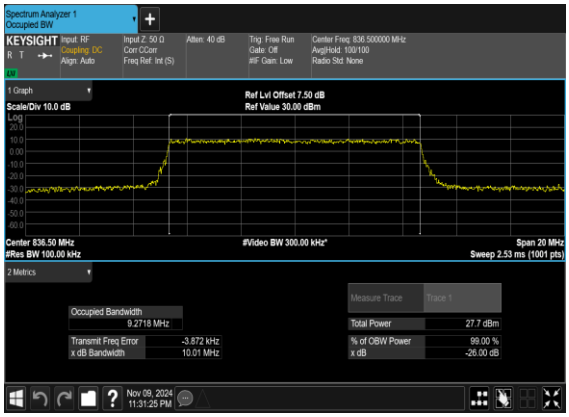
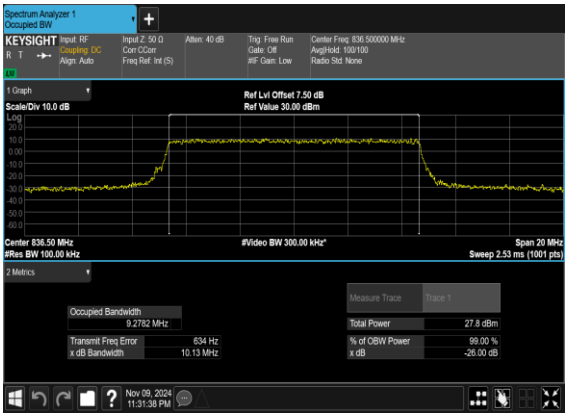
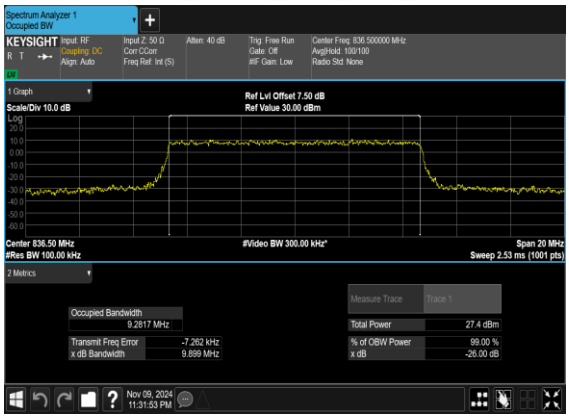
N26(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N26(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

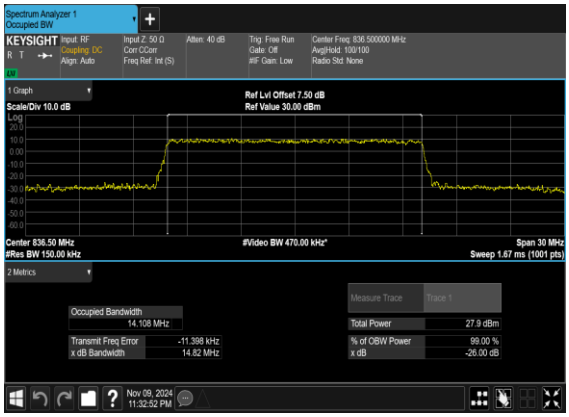


N26(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

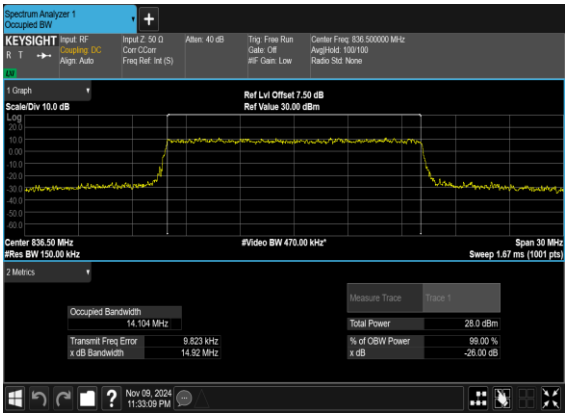


N26(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

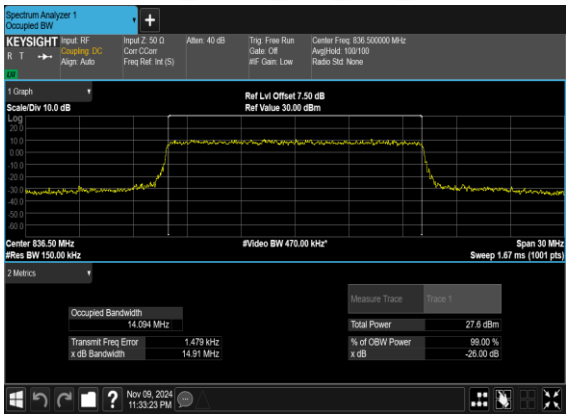
N26(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N26(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

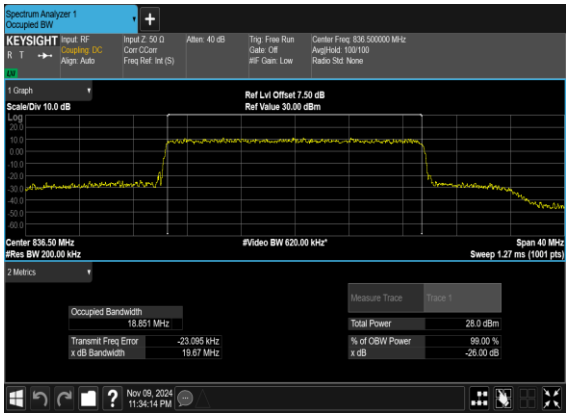


N26(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

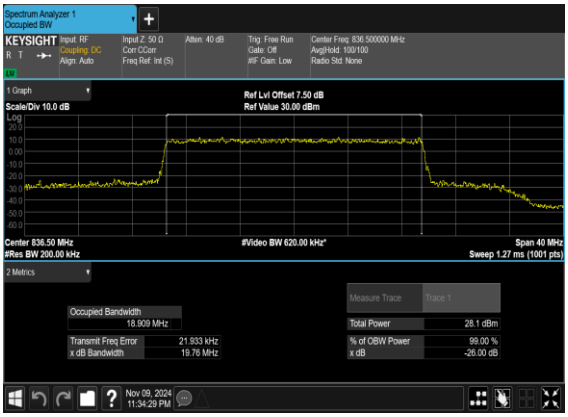


N26(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N26(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

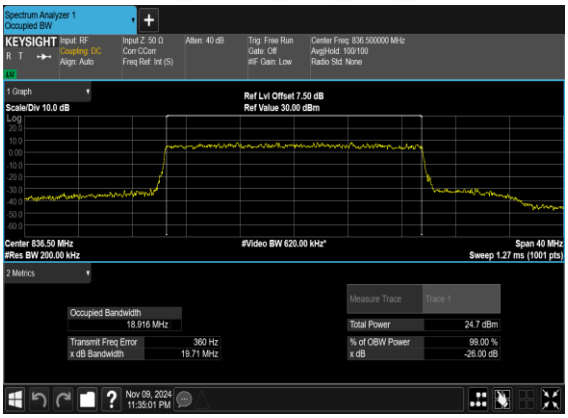


N26(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N26(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

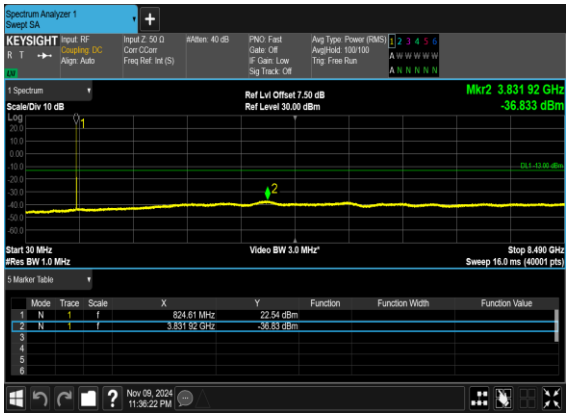
N26(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



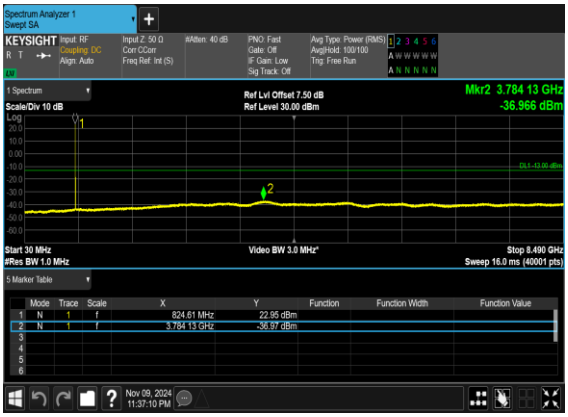
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
26	15	5	165300	826.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
26	15	5	165300	826.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
26	15	5	165300	826.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
26	15	5	165300	826.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
26	15	5	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
26	15	5	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
26	15	5	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
26	15	5	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
26	15	5	169300	846.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
26	15	5	169300	846.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
26	15	5	169300	846.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
26	15	5	169300	846.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
26	15	10	165800	829.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
26	15	10	165800	829.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
26	15	10	165800	829.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
26	15	10	165800	829.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
26	15	10	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
26	15	10	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
26	15	10	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
26	15	10	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
26	15	10	168800	844.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
26	15	10	168800	844.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
26	15	10	168800	844.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
26	15	10	168800	844.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
26	15	20	166800	834.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
26	15	20	166800	834.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
26	15	20	166800	834.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
26	15	20	166800	834.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
26	15	20	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
26	15	20	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
26	15	20	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
26	15	20	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
26	15	20	167800	839.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
26	15	20	167800	839.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
26	15	20	167800	839.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
26	15	20	167800	839.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

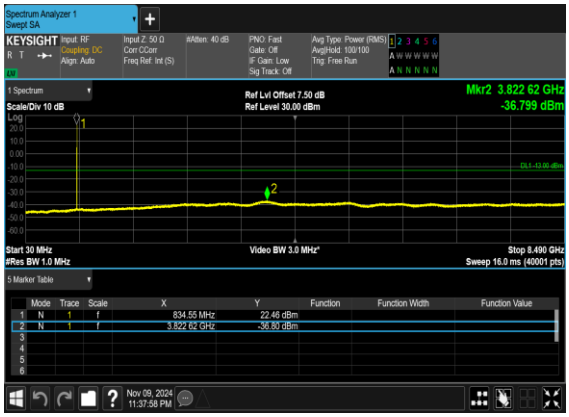
N26(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



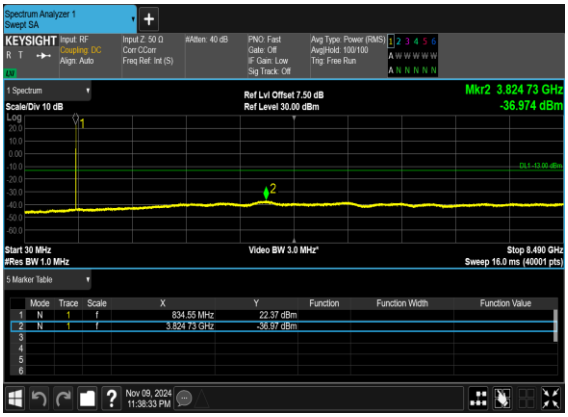
N26(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



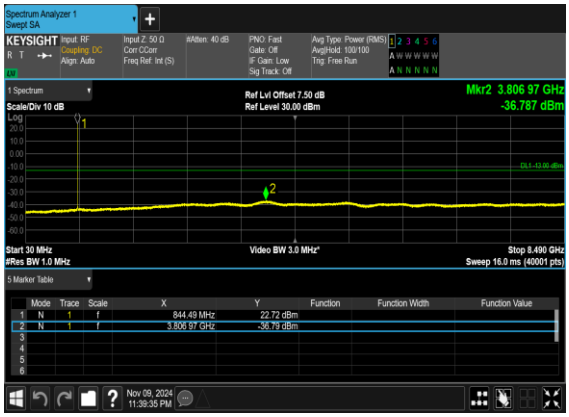
N26(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



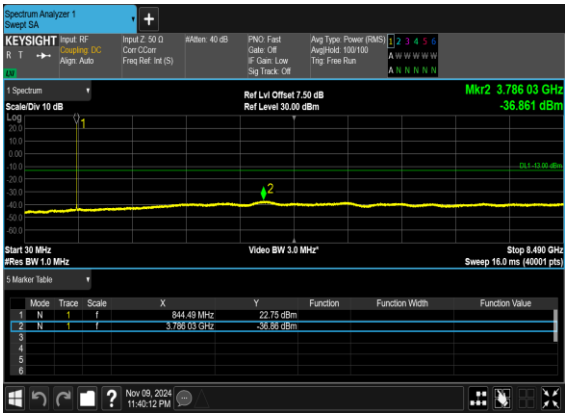
N26(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



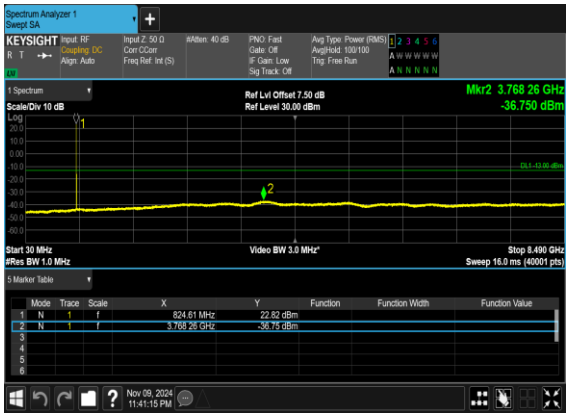
N26(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



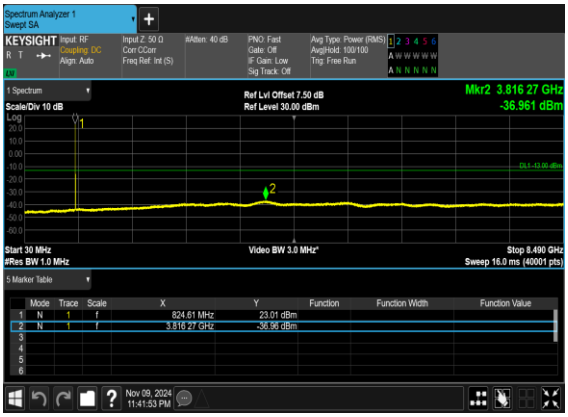
N26(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



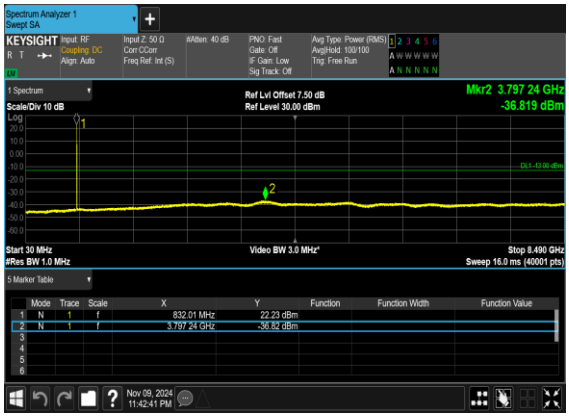
N26(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



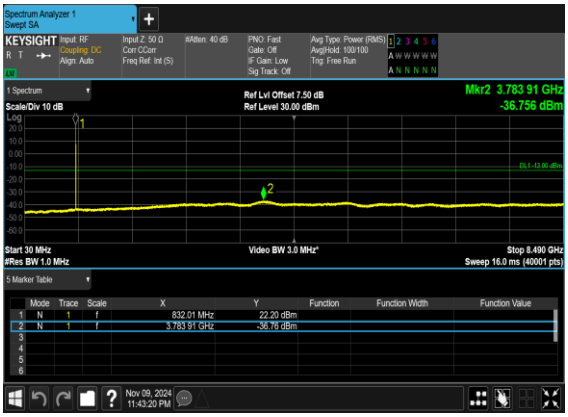
N26(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



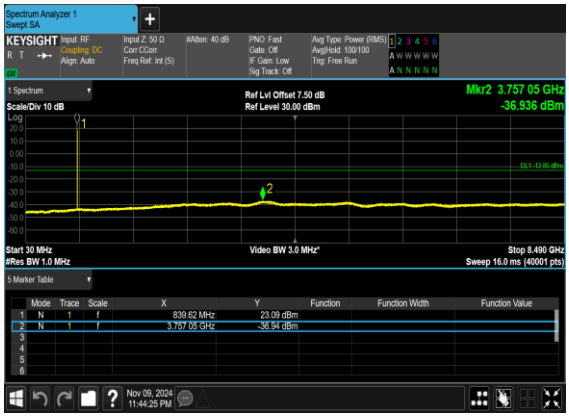
N26(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



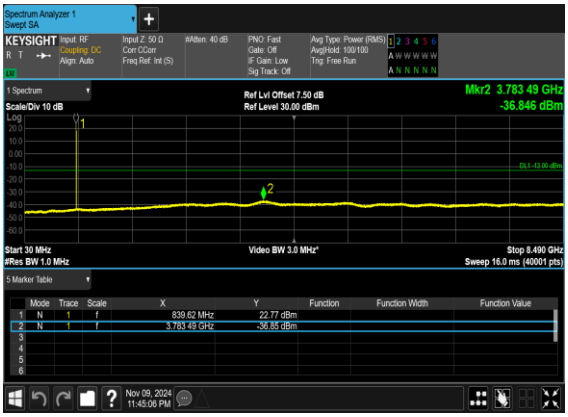
N26(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



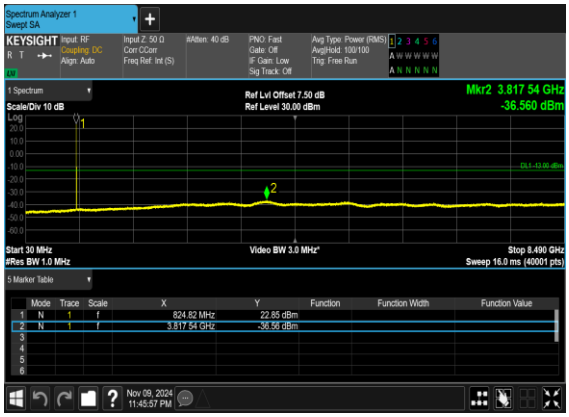
N26(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



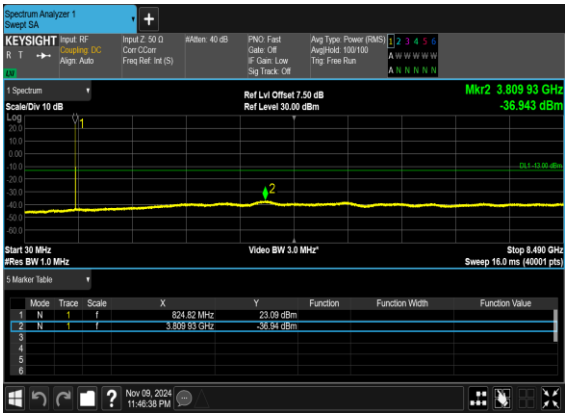
N26(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



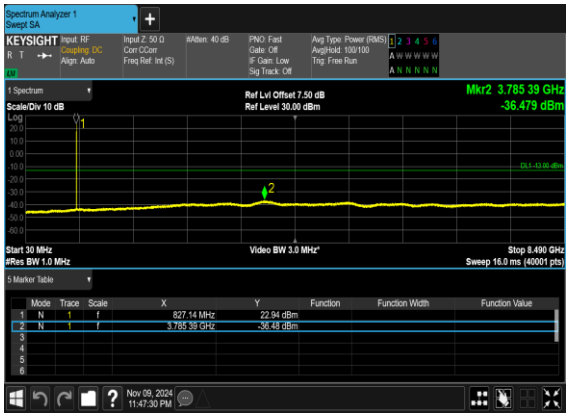
N26(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



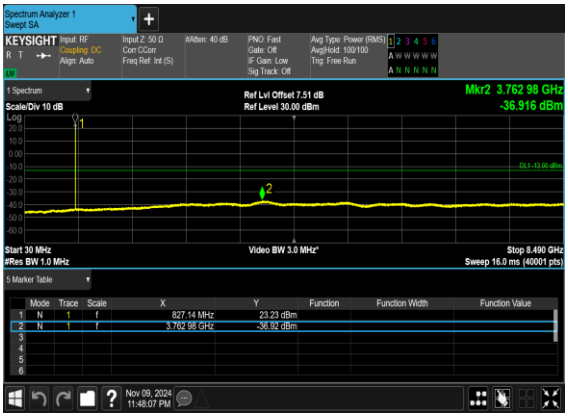
N26(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



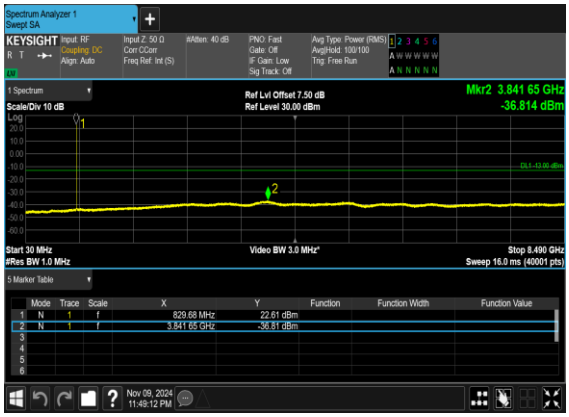
N26(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



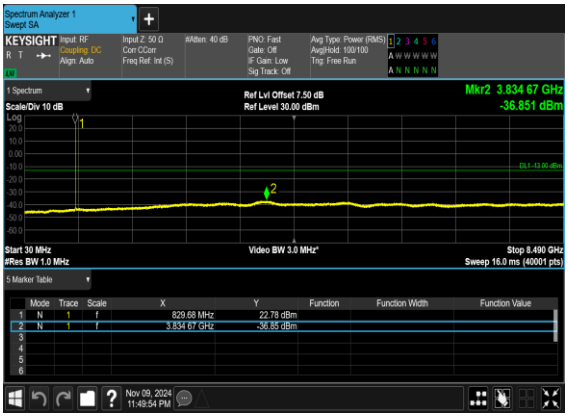
N26(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N26(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



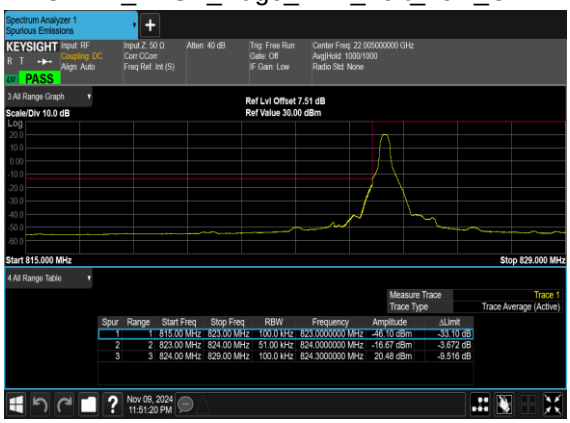
N26(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



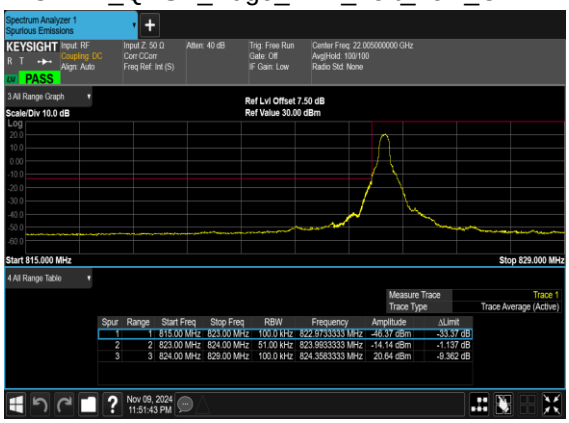
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
26	15	5	165300	826.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
26	15	5	165300	826.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
26	15	5	165300	826.5	DFT-s-OFDM BPSK	25@0	see graph	**PASS**
26	15	5	165300	826.5	DFT-s-OFDM QPSK	25@0	see graph	**PASS**
26	15	5	169300	846.5	DFT-s-OFDM BPSK	1@24	see graph	**PASS**
26	15	5	169300	846.5	DFT-s-OFDM QPSK	1@24	see graph	**PASS**
26	15	5	169300	846.5	DFT-s-OFDM BPSK	25@0	see graph	**PASS**
26	15	5	169300	846.5	DFT-s-OFDM QPSK	25@0	see graph	**PASS**
26	15	10	165800	829.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
26	15	10	165800	829.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
26	15	10	165800	829.0	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
26	15	10	165800	829.0	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
26	15	10	168800	844.0	DFT-s-OFDM BPSK	1@51	see graph	**PASS**
26	15	10	168800	844.0	DFT-s-OFDM QPSK	1@51	see graph	**PASS**
26	15	10	168800	844.0	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
26	15	10	168800	844.0	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
26	15	20	166800	834.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
26	15	20	166800	834.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
26	15	20	166800	834.0	DFT-s-OFDM BPSK	100@0	see graph	**PASS**
26	15	20	166800	834.0	DFT-s-OFDM QPSK	100@0	see graph	**PASS**
26	15	20	167800	839.0	DFT-s-OFDM BPSK	1@105	see graph	**PASS**
26	15	20	167800	839.0	DFT-s-OFDM QPSK	1@105	see graph	**PASS**
26	15	20	167800	839.0	DFT-s-OFDM BPSK	100@0	see graph	**PASS**
26	15	20	167800	839.0	DFT-s-OFDM QPSK	100@0	see graph	**PASS**

N26(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

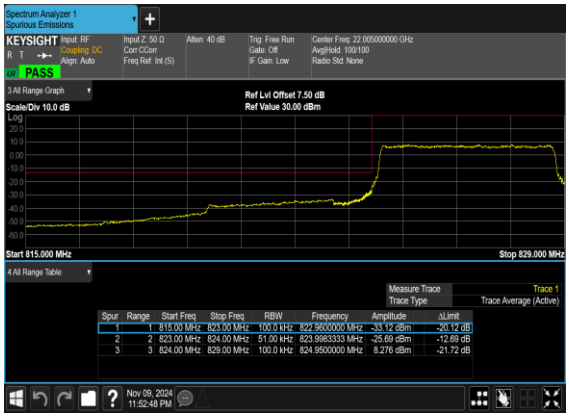


N26(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

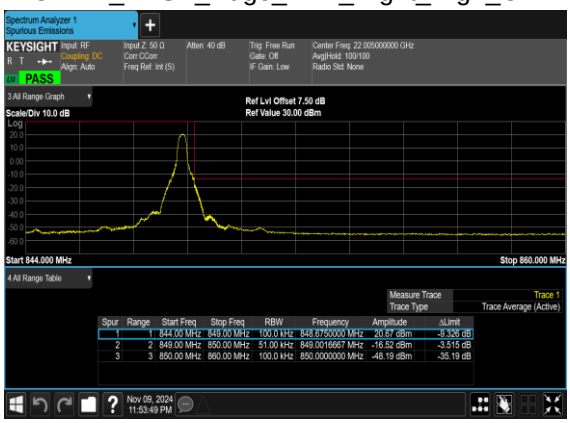


N26(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

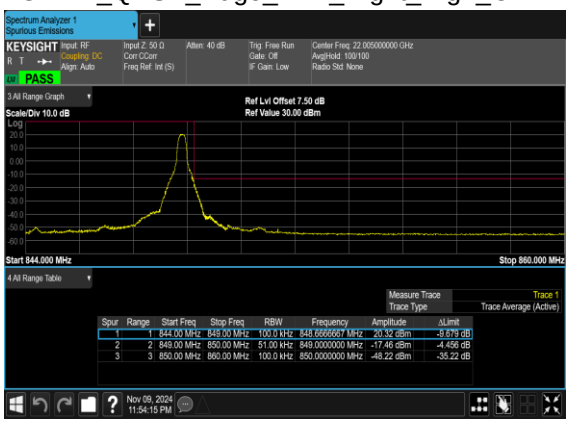
N26(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



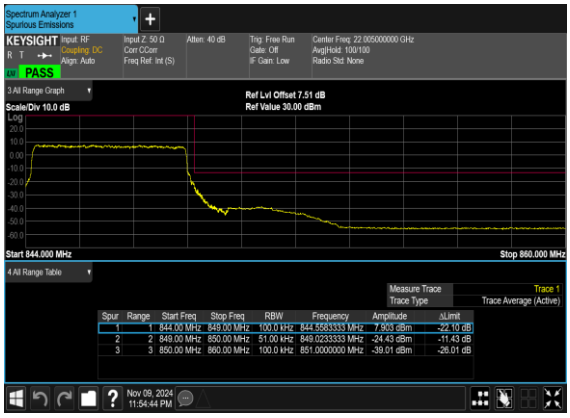
N26(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



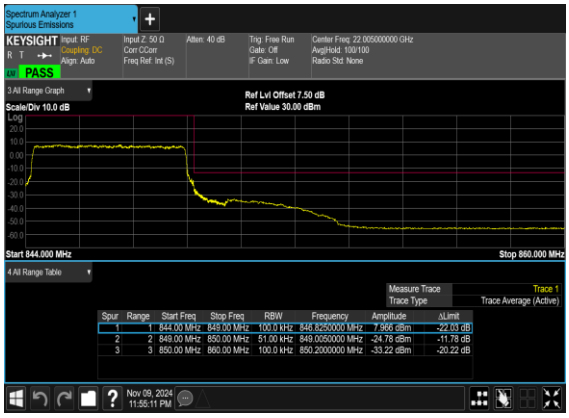
N26(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



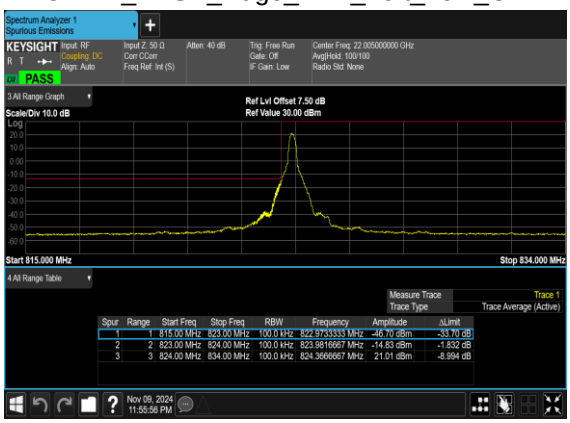
N26(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



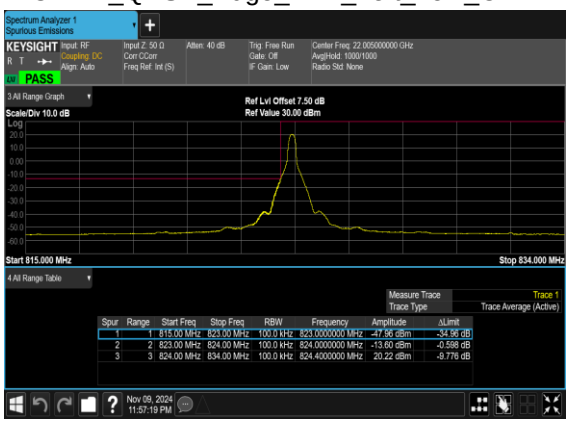
N26(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



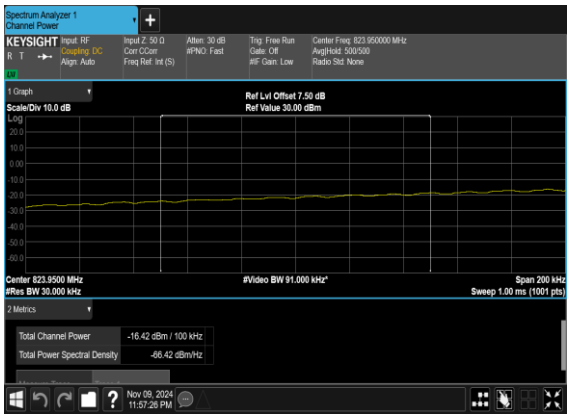
N26(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



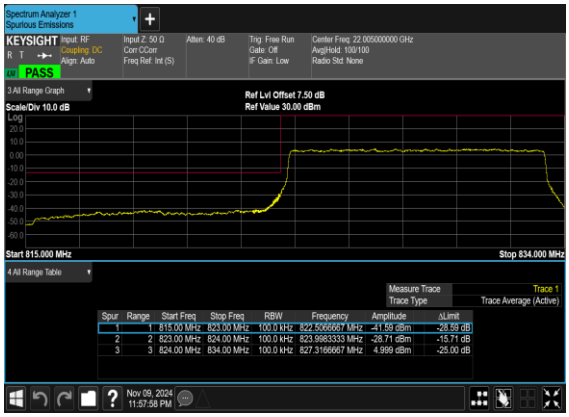
N26(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



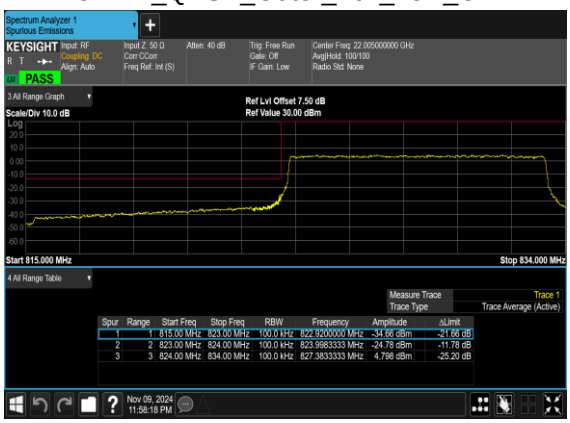
N26(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_**CHP_PASS**



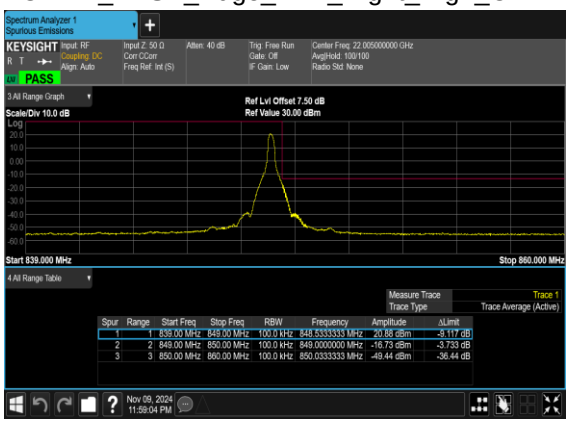
N26(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



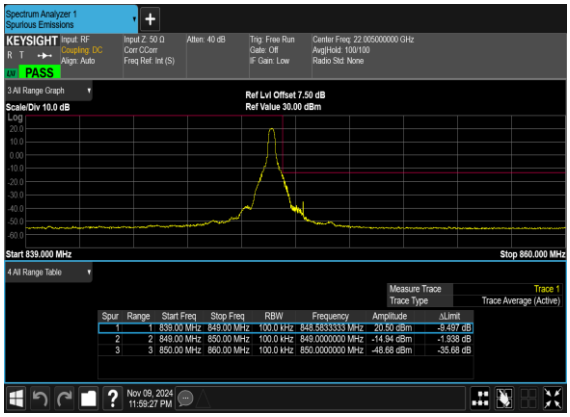
N26(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



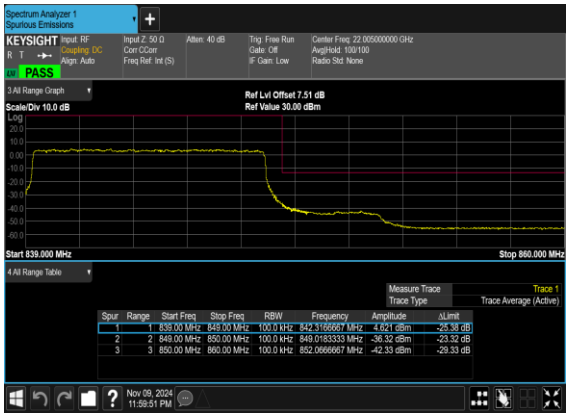
N26(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



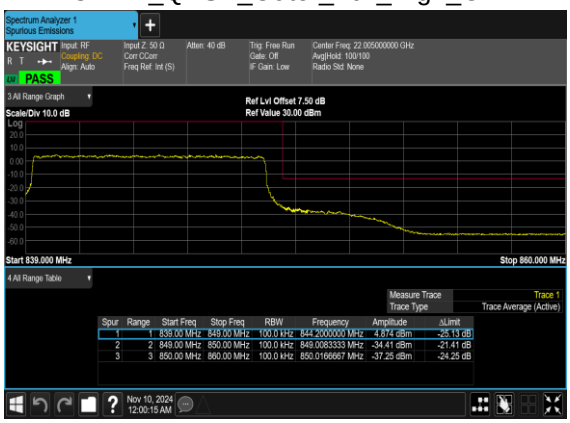
N26(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



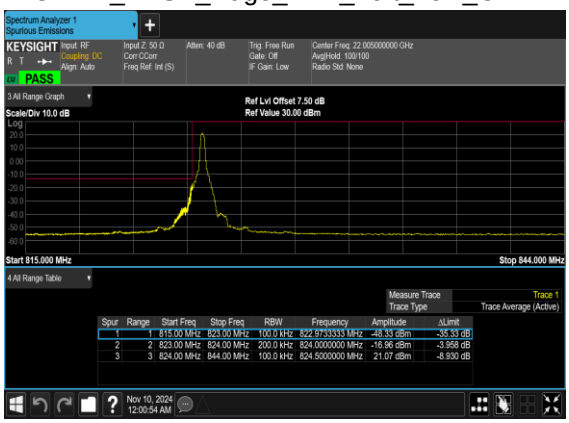
N26(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



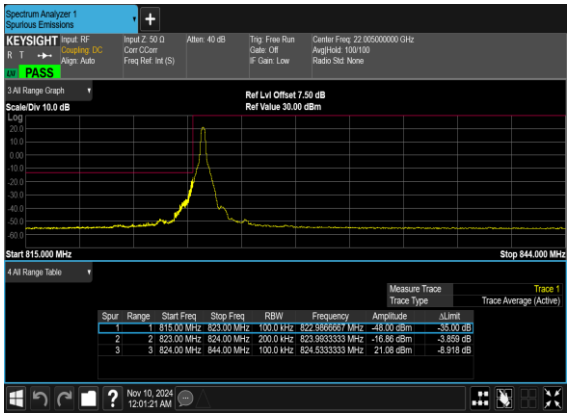
N26(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



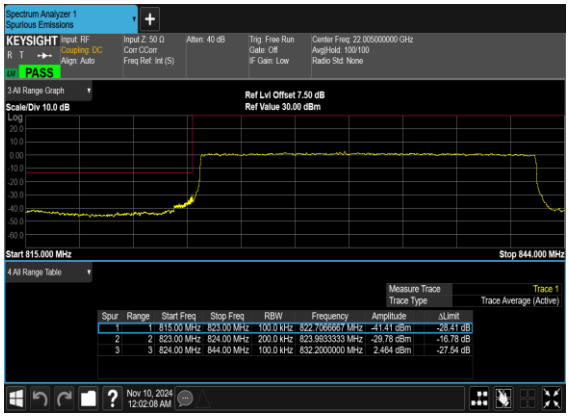
N26(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



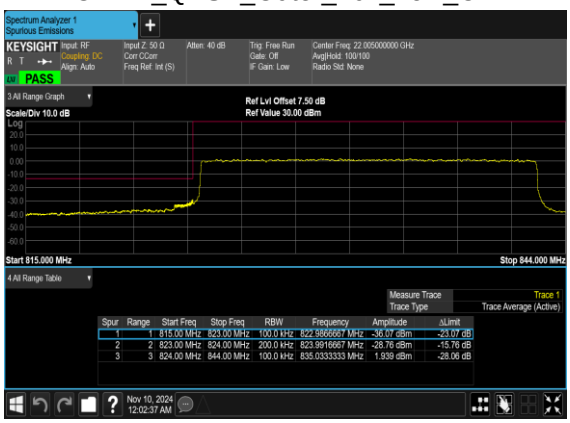
N26(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



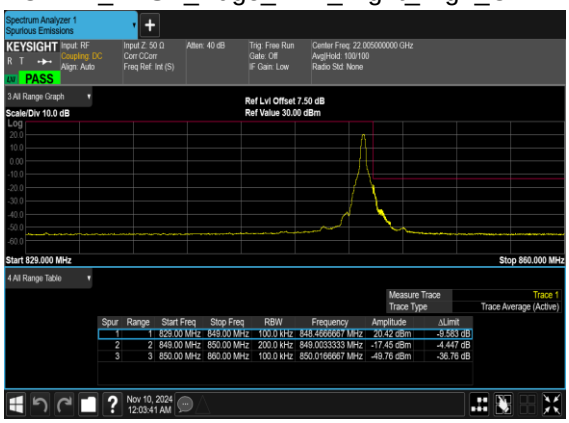
N26(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



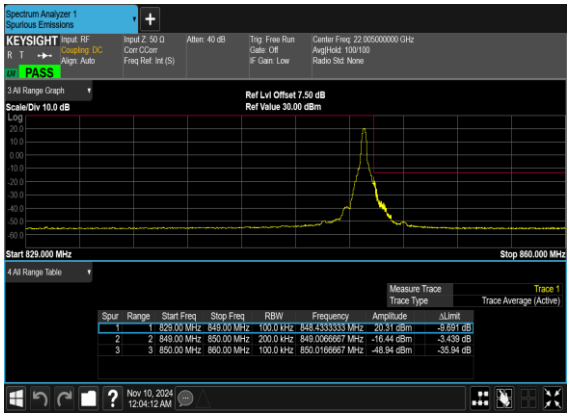
N26(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



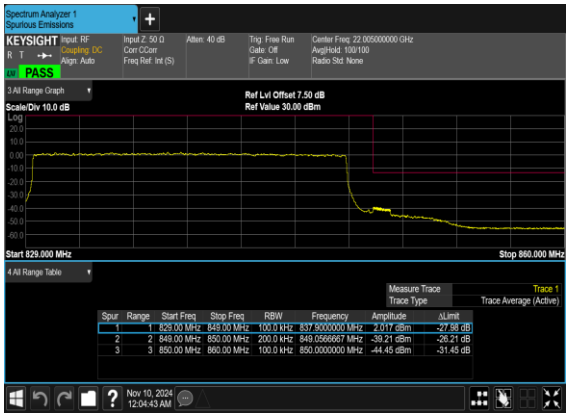
N26(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



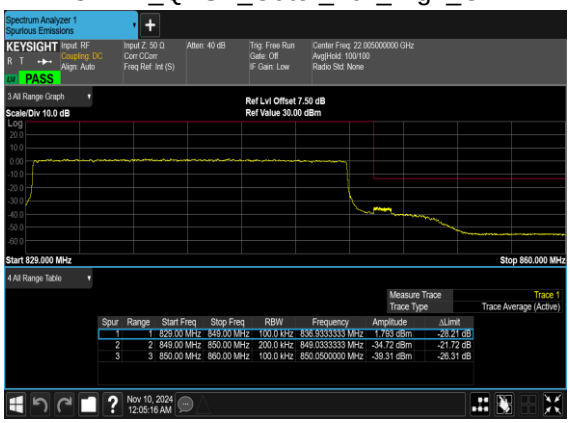
N26(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N26(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N26(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Bruce	Temperature :	23~25℃
		Relative Humidity :	41~42%

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

n25 SA / NR 40MHz / QPSK(Ant.0)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3705	-57.55	-13	-44.55	-69.81	2.64	14.90	H
	5550	-57.43	-13	-44.43	-69.29	2.94	14.80	H
	7410	-53.95	-13	-40.95	-63.72	3.39	13.16	H
	3705	-57.06	-13	-44.06	-69.32	2.64	14.90	V
	5550	-57.39	-13	-44.39	-69.25	2.94	14.80	V
	7410	-54.41	-13	-41.41	-64.18	3.39	13.16	V
Middle	3720	-57.53	-13	-44.53	-69.79	2.64	14.90	H
	5595	-56.99	-13	-43.99	-68.85	2.94	14.80	H
	7455	-54.06	-13	-41.06	-63.83	3.39	13.16	H
	3720	-57.51	-13	-44.51	-69.77	2.64	14.90	V
	5595	-57.65	-13	-44.65	-69.51	2.94	14.80	V
	7455	-54.23	-13	-41.23	-64.00	3.39	13.16	V
Highest	3750	-57.79	-13	-44.79	-70.05	2.64	14.90	H
	5625	-57.16	-13	-44.16	-69.02	2.94	14.80	H
	7515	-54.27	-13	-41.27	-64.04	3.39	13.16	H
	3750	-57.68	-13	-44.68	-69.94	2.64	14.90	V
	5625	-57.50	-13	-44.50	-69.36	2.94	14.80	V
	7515	-54.05	-13	-41.05	-63.82	3.39	13.16	V

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

EN-DC_7A_n25A / LTE 20MHz + NR 40MHz / QPSK (ANT9+0) for other PA								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3705	-56.15	-13	-43.15	-68.41	2.64	14.90	H
	5550	-56.53	-13	-43.53	-68.39	2.94	14.80	H
	7410	-53.60	-13	-40.60	-63.37	3.39	13.16	H
	3705	-56.51	-13	-43.51	-68.77	2.64	14.90	V
	5550	-56.34	-13	-43.34	-68.20	2.94	14.80	V
	7410	-53.70	-13	-40.70	-63.47	3.39	13.16	V
Middle	3735	-56.52	-13	-43.52	-68.78	2.64	14.90	H
	5595	-55.91	-13	-42.91	-67.77	2.94	14.80	H
	7455	-53.41	-13	-40.41	-63.18	3.39	13.16	H
	3735	-56.78	-13	-43.78	-69.04	2.64	14.90	V
	5595	-56.24	-13	-43.24	-68.10	2.94	14.80	V
	7455	-53.63	-13	-40.63	-63.40	3.39	13.16	V
Highest	3750	-56.92	-13	-43.92	-69.18	2.64	14.90	H
	5625	-56.26	-13	-43.26	-68.12	2.94	14.80	H
	7515	-53.42	-13	-40.42	-63.19	3.39	13.16	H
	3750	-56.74	-13	-43.74	-69.00	2.64	14.90	V
	5625	-56.48	-13	-43.48	-68.34	2.94	14.80	V
	7515	-53.32	-13	-40.32	-63.09	3.39	13.16	V

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

EN-DC_26A_n25A / LTE 15MHz + NR 40MHz / QPSK (ANT1+0)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3690	-57.17	-13	-44.17	-69.43	2.64	14.90	H
	5520	-56.98	-13	-43.98	-68.84	2.94	14.80	H
	7365	-54.00	-13	-41.00	-63.77	3.39	13.16	H
	3690	-57.24	-13	-44.24	-69.50	2.64	14.90	V
	5520	-56.88	-13	-43.88	-68.74	2.94	14.80	V
	7365	-53.89	-13	-40.89	-63.66	3.39	13.16	V
Middle	3735	-57.33	-13	-44.33	-69.59	2.64	14.90	H
	5595	-56.64	-13	-43.64	-68.50	2.94	14.80	H
	7455	-53.69	-13	-40.69	-63.46	3.39	13.16	H
	3735	-57.14	-13	-44.14	-69.40	2.64	14.90	V
	5595	-56.71	-13	-43.71	-68.57	2.94	14.80	V
	7455	-53.50	-13	-40.50	-63.27	3.39	13.16	V
Highest	3750	-57.27	-13	-44.27	-69.53	2.64	14.90	H
	5625	-56.53	-13	-43.53	-68.39	2.94	14.80	H
	7515	-53.37	-13	-40.37	-63.14	3.39	13.16	H
	3750	-57.03	-13	-44.03	-69.29	2.64	14.90	V
	5625	-56.76	-13	-43.76	-68.62	2.94	14.80	V
	7515	-53.52	-13	-40.52	-63.29	3.39	13.16	V

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

n26 SA / NR 20MHz / QPSK(Ant.0)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1632	-65.23	-13	-52.23	-72.20	1.58	10.70	H
	2448	-61.08	-13	-48.08	-69.33	2.102	12.50	H
	3256	-59.53	-13	-46.53	-68.42	2.856	13.90	H
	1632	-64.52	-13	-51.52	-71.49	1.58	10.70	V
	2448	-57.42	-13	-44.42	-65.67	2.10	12.50	V
	3256	-59.57	-13	-46.57	-68.46	2.86	13.90	V
Middle	1648	-64.80	-13	-51.80	-71.77	1.58	10.70	H
	2464	-60.03	-13	-47.03	-68.28	2.102	12.50	H
	3288	-59.46	-13	-46.46	-68.35	2.856	13.90	H
	1648	-63.92	-13	-50.92	-70.89	1.58	10.70	V
	2464	-58.61	-13	-45.61	-66.86	2.10	12.50	V
	3288	-59.40	-13	-46.40	-68.29	2.86	13.90	V
Highest	1656	-64.77	-13	-51.77	-71.74	1.58	10.70	H
	2488	-60.17	-13	-47.17	-68.42	2.102	12.50	H
	3320	-59.95	-13	-46.95	-68.84	2.856	13.90	H
	1656	-63.81	-13	-50.81	-70.78	1.58	10.70	V
	2488	-56.45	-13	-43.45	-64.70	2.10	12.50	V
	3320	-59.87	-13	-46.87	-68.76	2.86	13.90	V

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

EN-DC_7A_n26A / LTE 20MHz + NR 20MHz / QPSK (ANT9+0)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1632	-64.38	-13	-51.38	-71.35	1.58	10.70	H
	2448	-58.79	-13	-45.79	-67.04	2.102	12.50	H
	3256	-57.09	-13	-44.09	-65.98	2.856	13.90	H
	1632	-63.28	-13	-50.28	-70.25	1.58	10.70	V
	2448	-57.35	-13	-44.35	-65.60	2.10	12.50	V
	3256	-57.15	-13	-44.15	-66.04	2.86	13.90	V
Middle	1648	-63.97	-13	-50.97	-70.94	1.58	10.70	H
	2464	-56.44	-13	-43.44	-64.69	2.102	12.50	H
	3288	-56.92	-13	-43.92	-65.81	2.856	13.90	H
	1648	-62.98	-13	-49.98	-69.95	1.58	10.70	V
	2464	-56.25	-13	-43.25	-64.50	2.10	12.50	V
	3288	-56.90	-13	-43.90	-65.79	2.86	13.90	V
Highest	1656	-63.48	-13	-50.48	-70.45	1.58	10.70	H
	2488	-57.46	-13	-44.46	-65.71	2.102	12.50	H
	3320	-57.39	-13	-44.39	-66.28	2.856	13.90	H
	1656	-62.52	-13	-49.52	-69.49	1.58	10.70	V
	2488	-55.68	-13	-42.68	-63.93	2.10	12.50	V
	3320	-57.38	-13	-44.38	-66.27	2.86	13.90	V

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