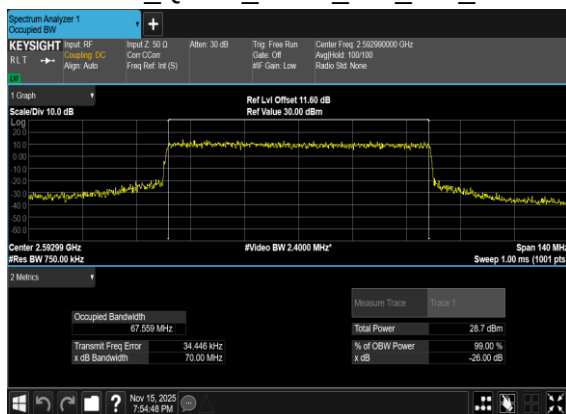
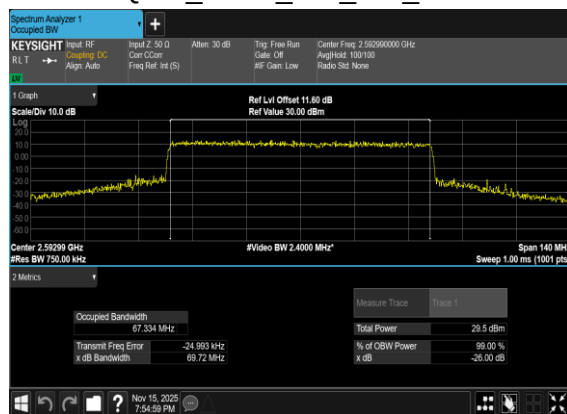




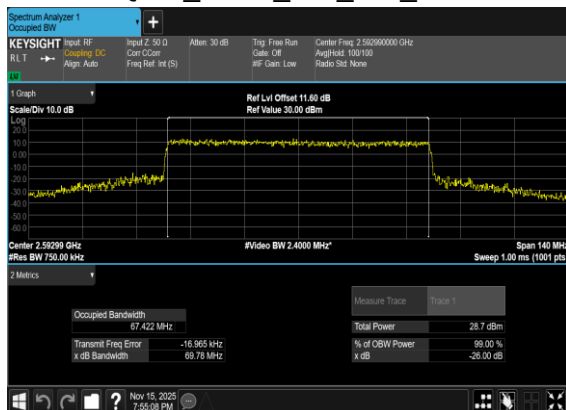
N41(70M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



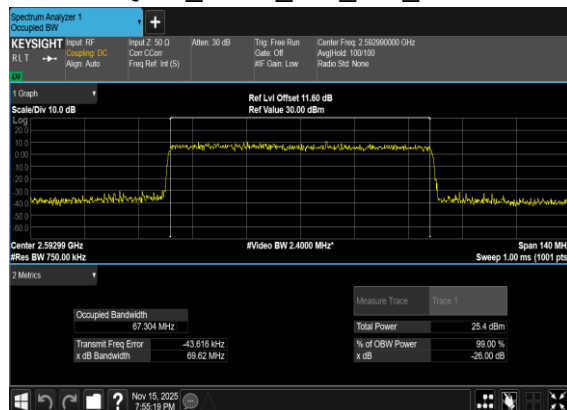
N41(70M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N41(70M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

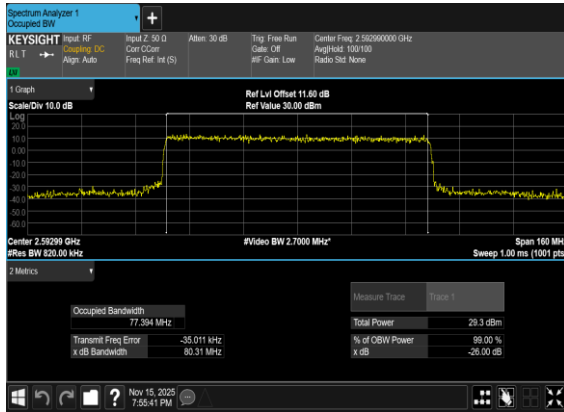


N41(70M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

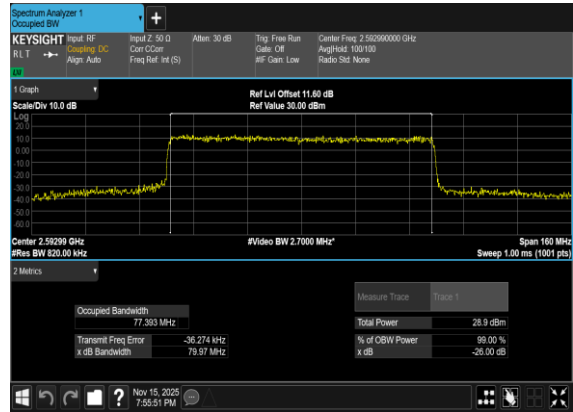




N41(80M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



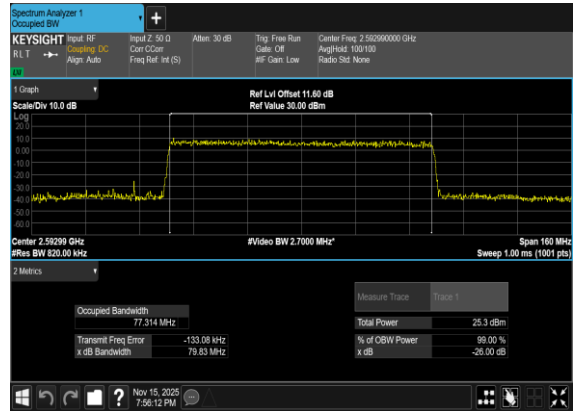
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QAM_Outer_Full_Mid_CH



N41(80M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

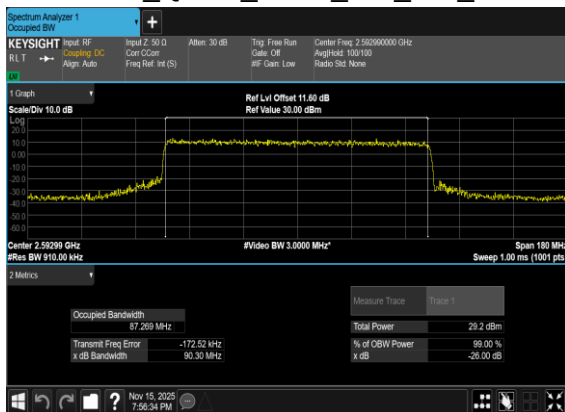


N41(80M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

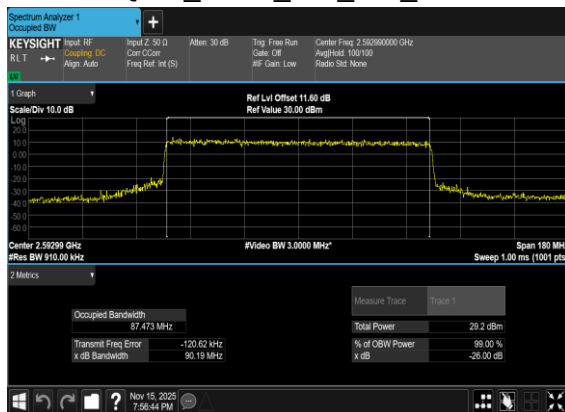




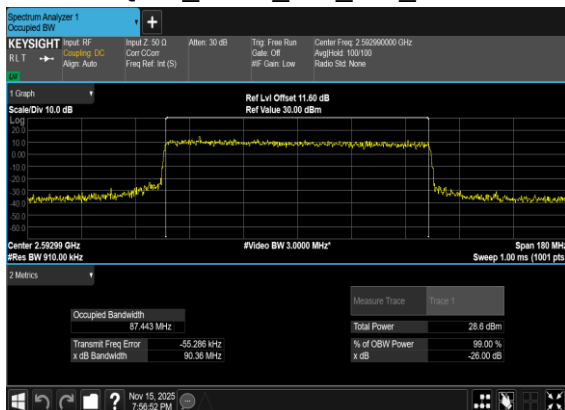
N41(90M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



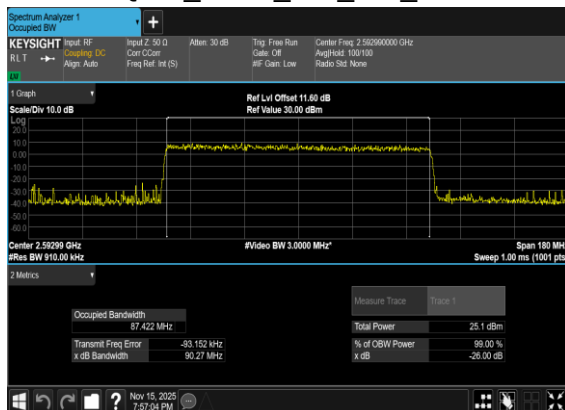
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QAM_Outer_Full_Mid_CH



N41(90M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

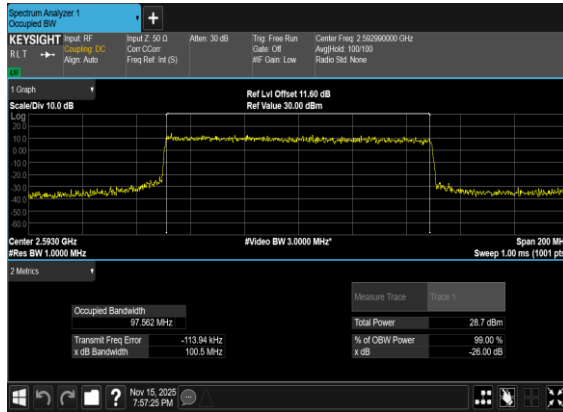


N41(90M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

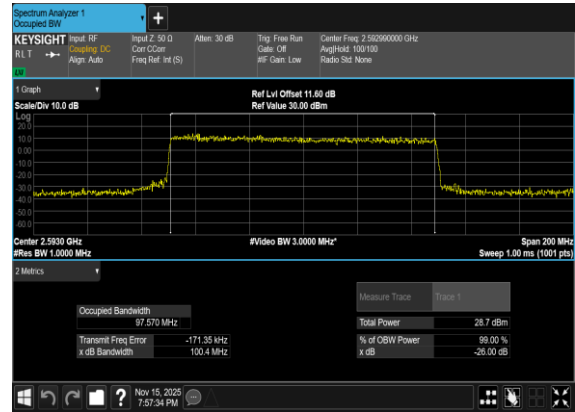




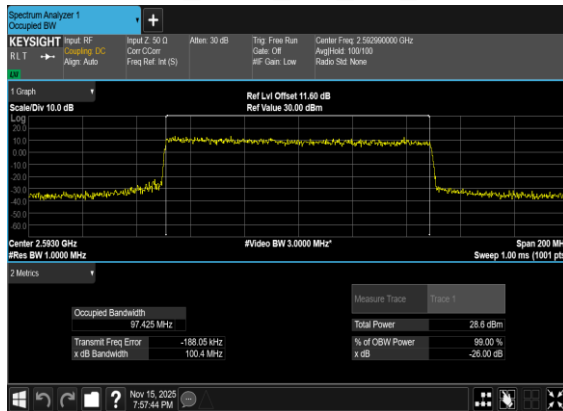
N41(100M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



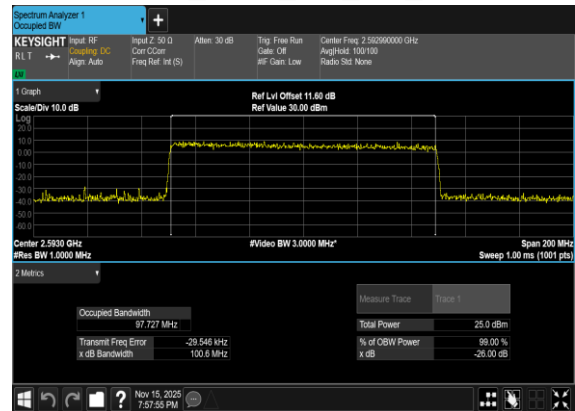
N41(100M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N41(100M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N41(100M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH





Conducted Spurious Emissions

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	---
41	30	10	500202	2501.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
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	---
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	10	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	10	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	10	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	10	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	10	537000	2685.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	10	537000	2685.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	50	504204	2521.02	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	50	504204	2521.02	DFT-s-OFDM BPSK	1@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	---
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	50	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	50	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	50	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	50	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	50	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	PASS



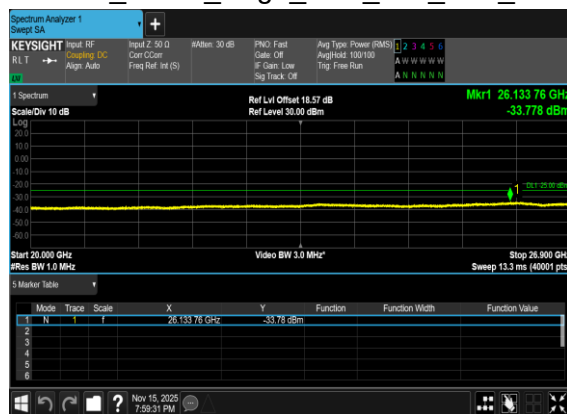
41	30	50	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	50	532998	2664.99	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	50	532998	2664.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	50	532998	2664.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	100	509202	2546.01	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	100	509202	2546.01	DFT-s-OFDM BPSK	1@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	---
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	100	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	100	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	100	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	1@0	see graph	PASS



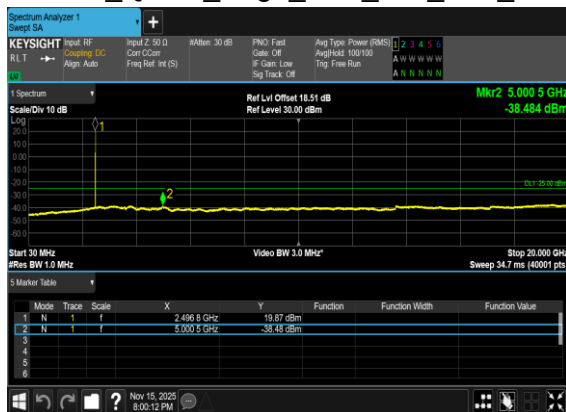
N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



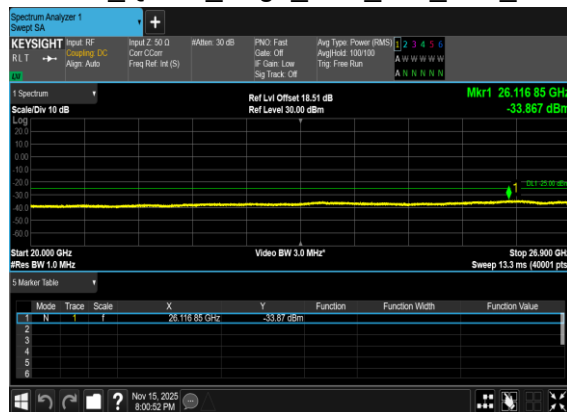
N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

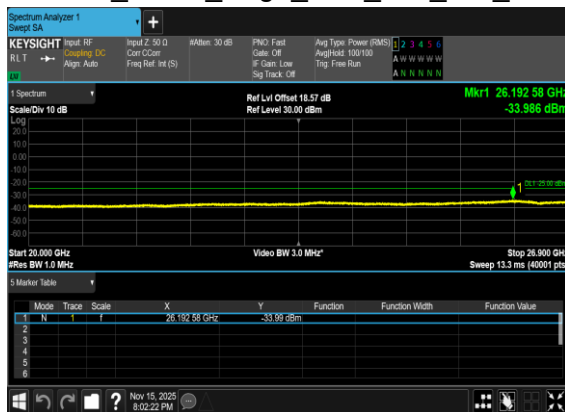




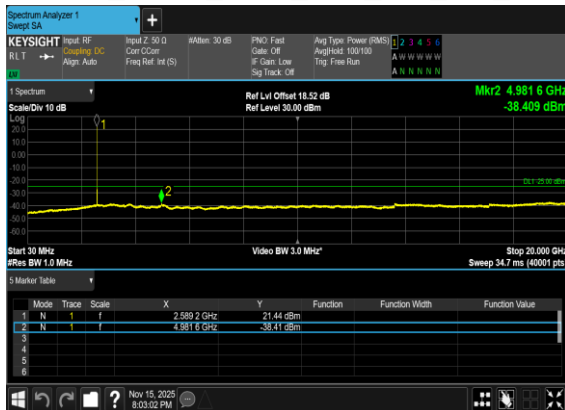
N41(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



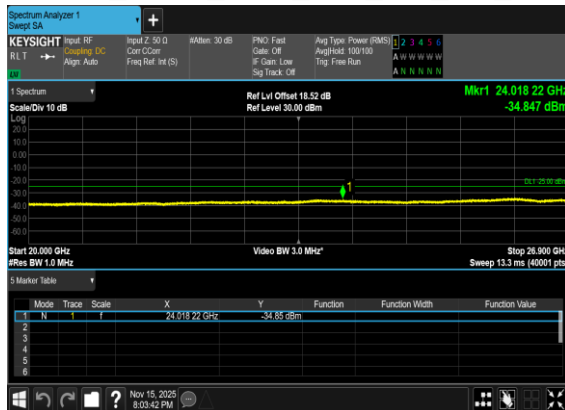
N41(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N41(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N41(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

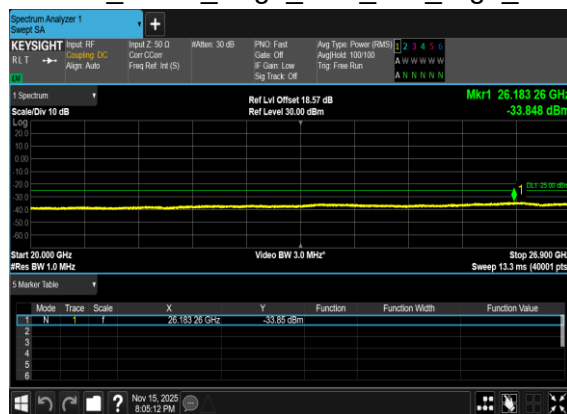




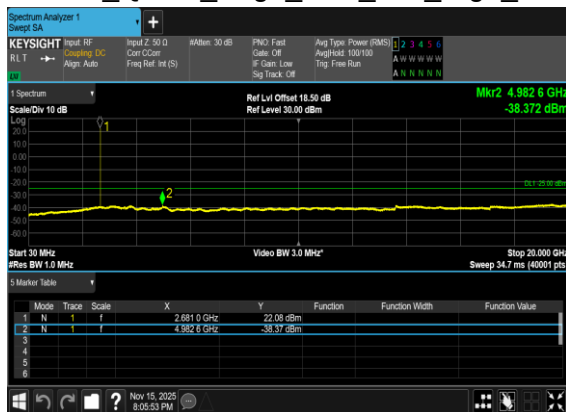
N41(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N41(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N41(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

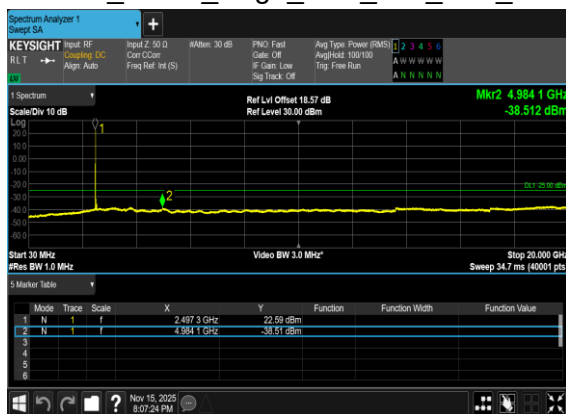


N41(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

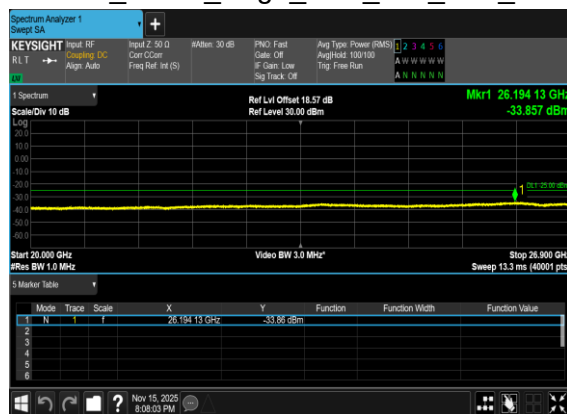




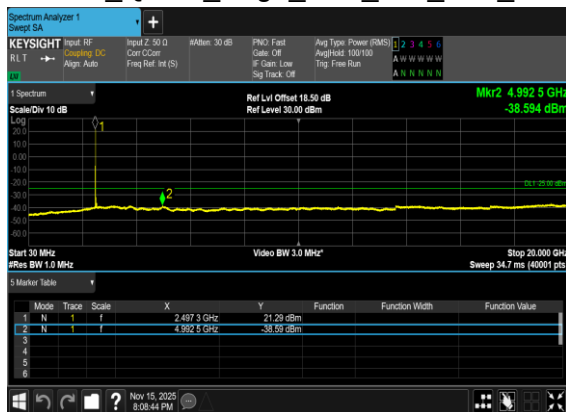
N41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



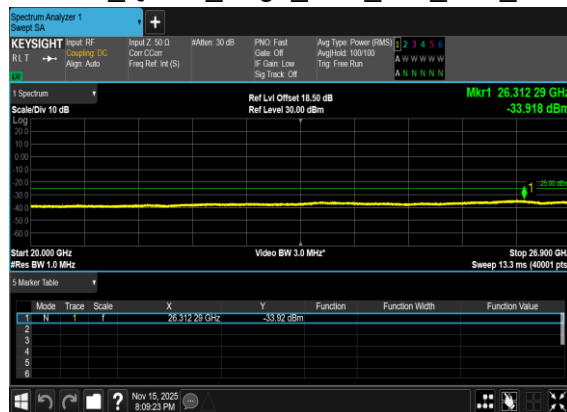
N41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH

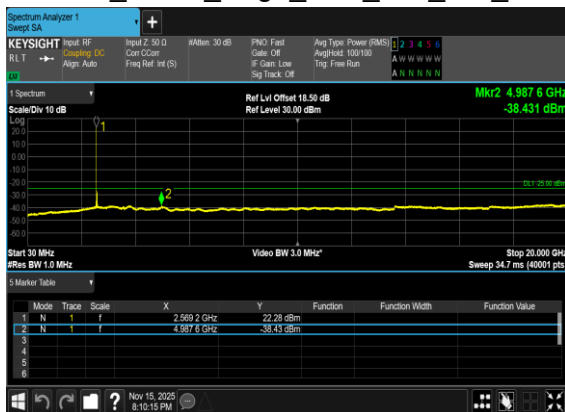
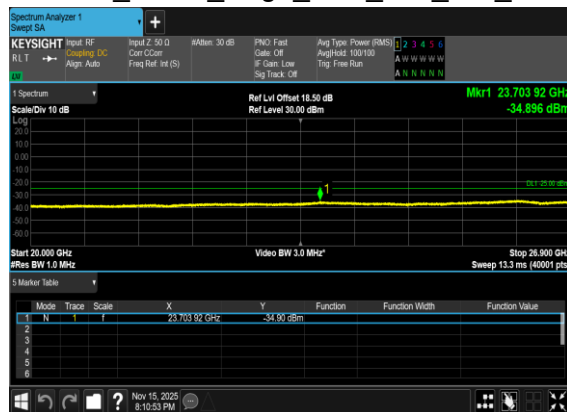
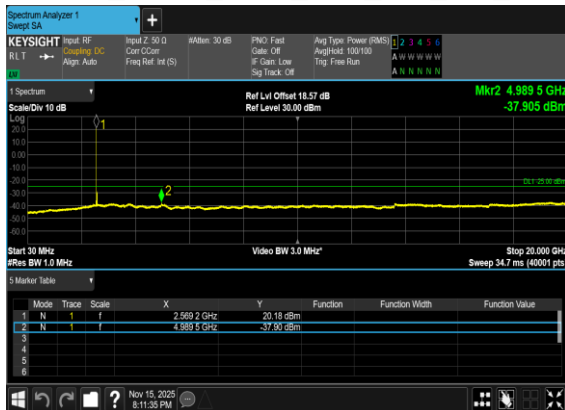
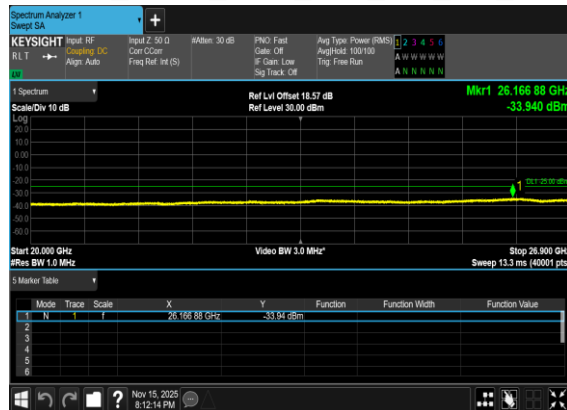


N41(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



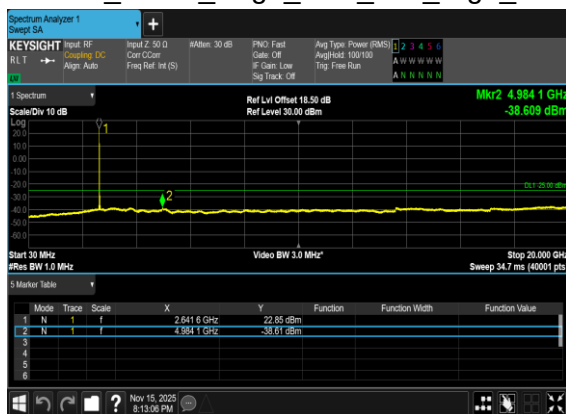
N41(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



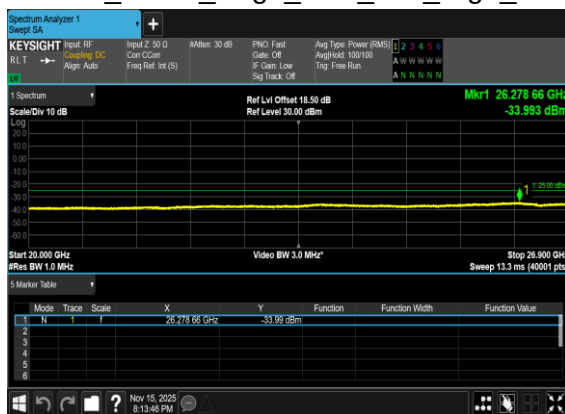
N41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CHN41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CHN41(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CHN41(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



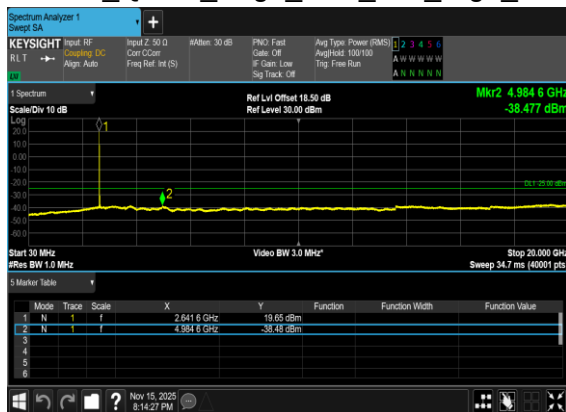
N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



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

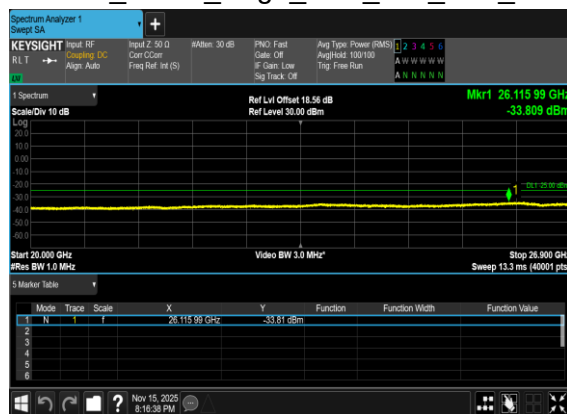




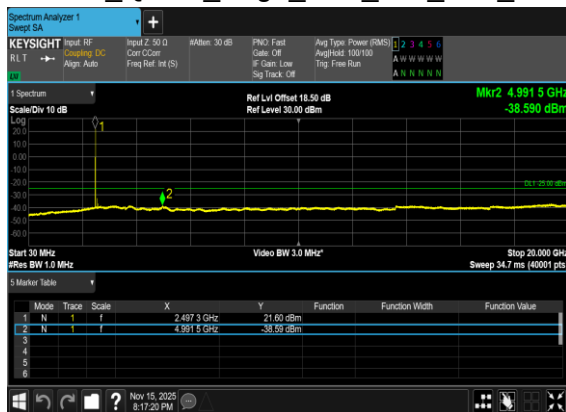
N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



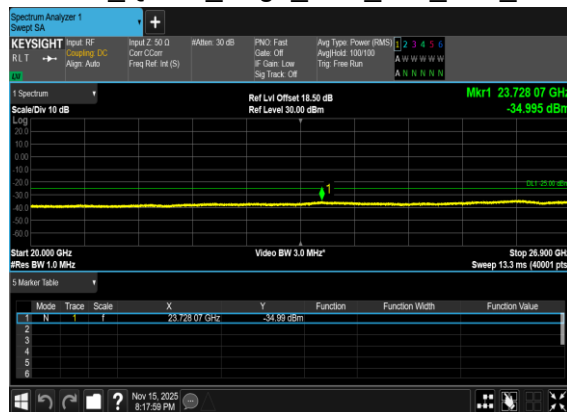
N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

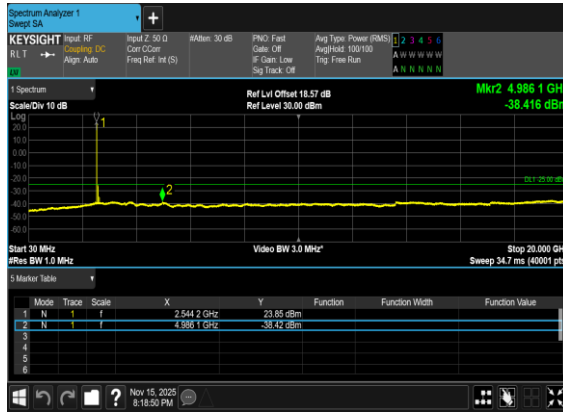


N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

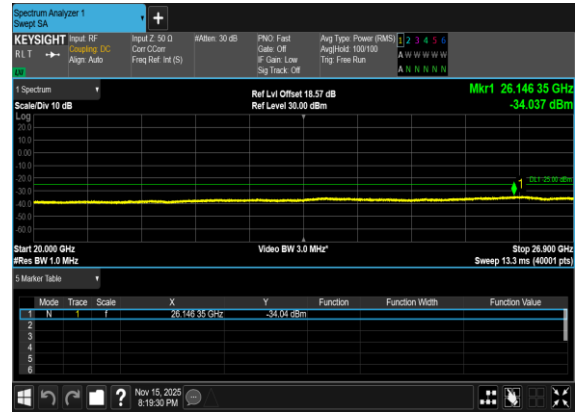




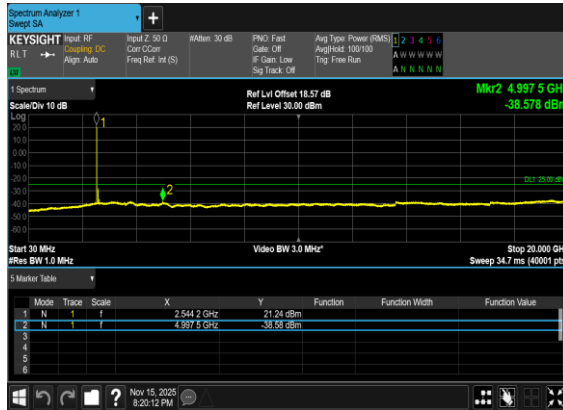
N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



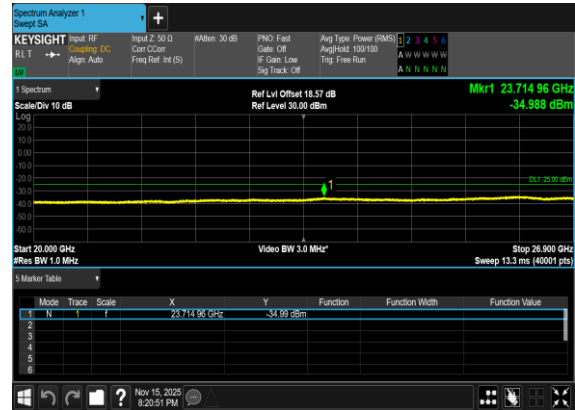
N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

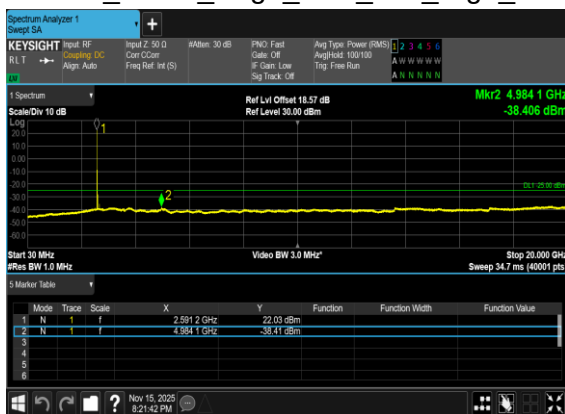


N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

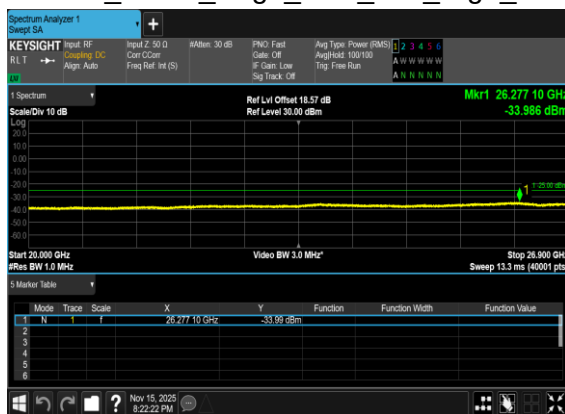




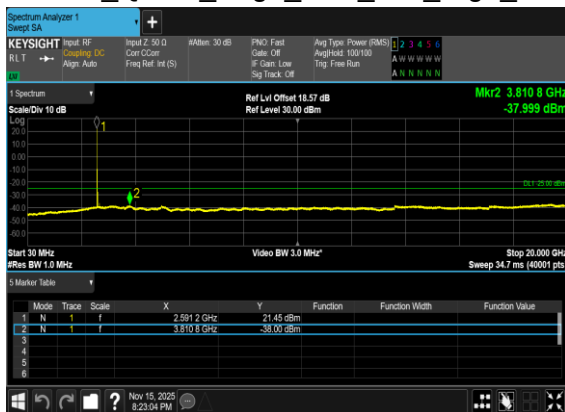
N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



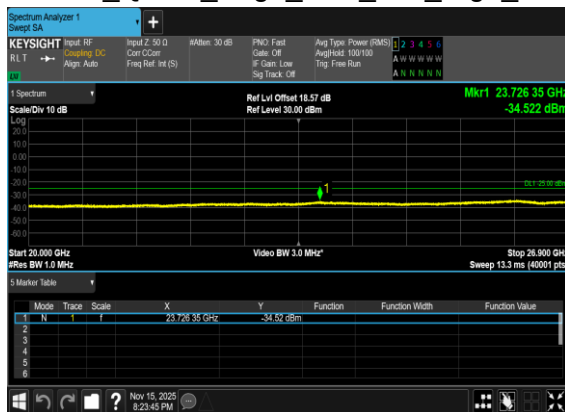
N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



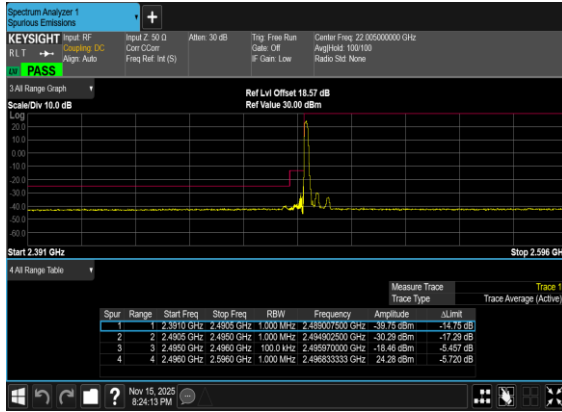


Conducted Band Edge

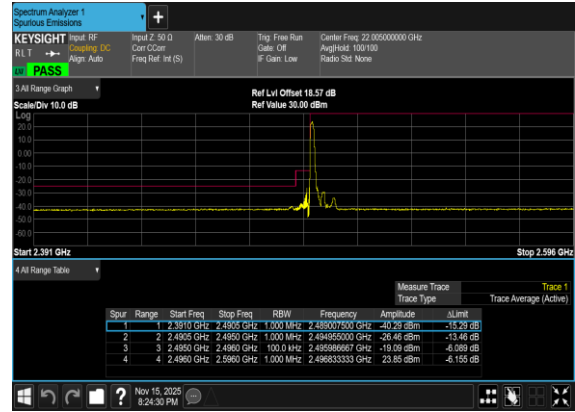
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	30	10	500202	2501.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM BPSK	24@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	24@0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



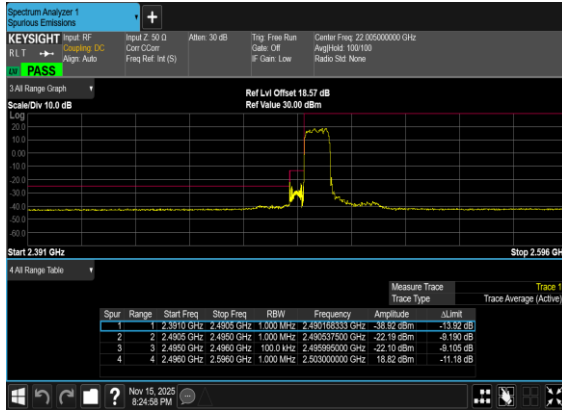
N41(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



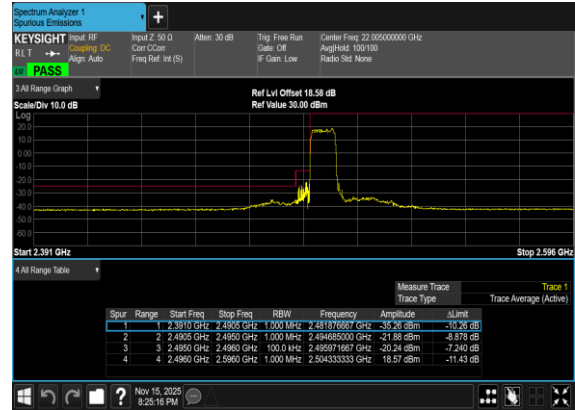
N41(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N41(10M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

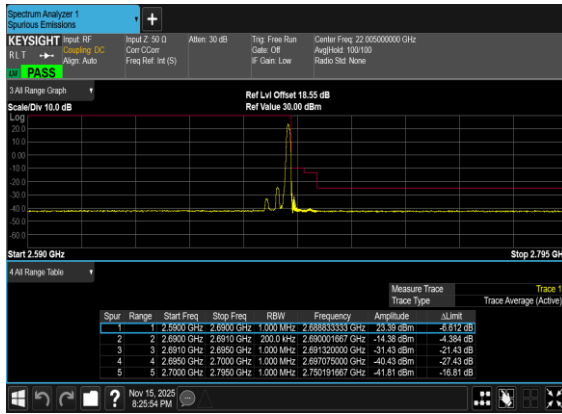


N41(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

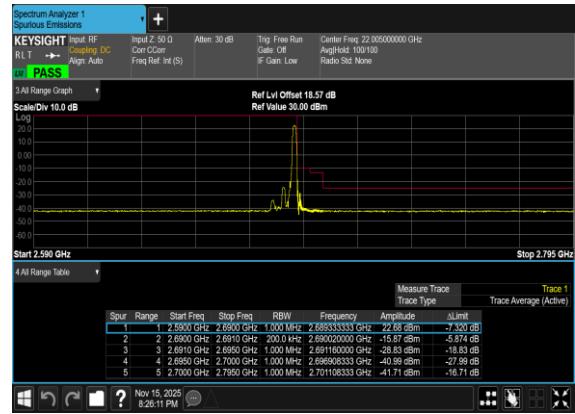




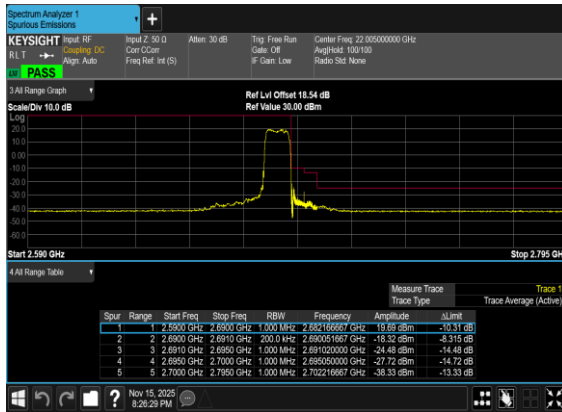
N41(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



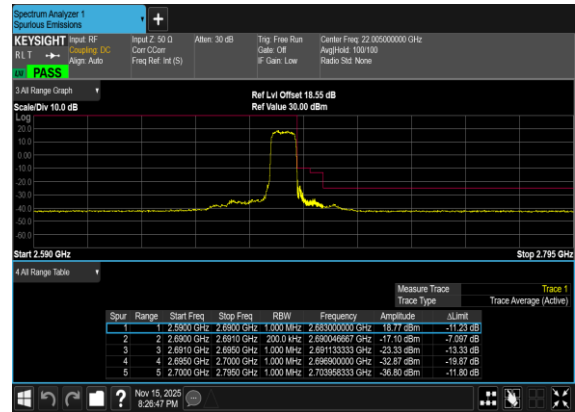
N41(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N41(10M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

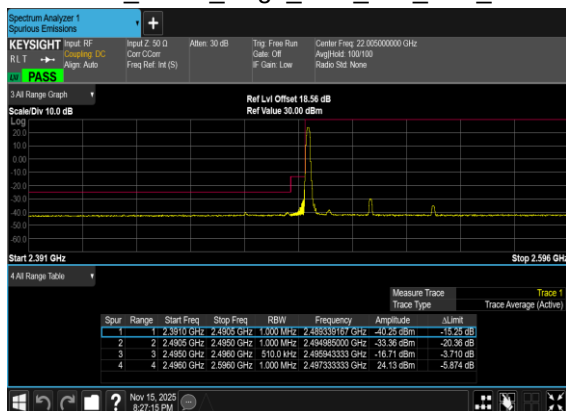


N41(10M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

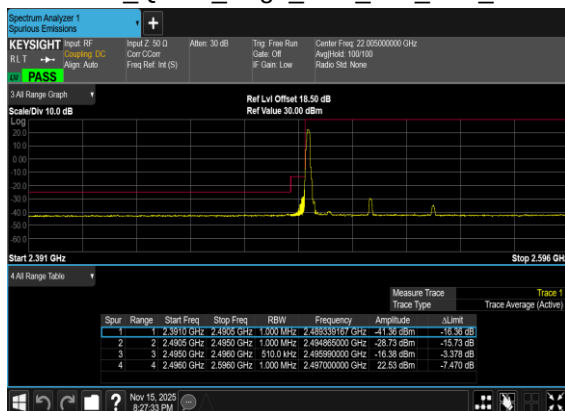




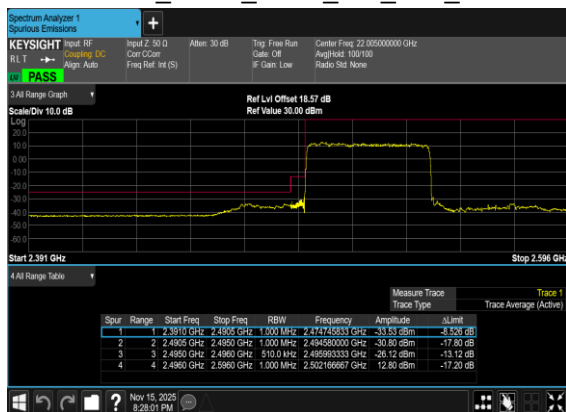
N41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



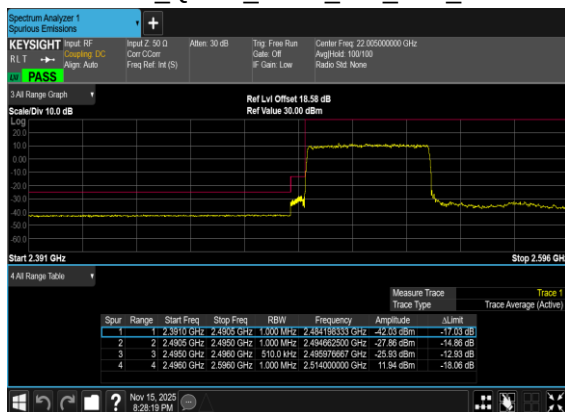
N41(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N41(50M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

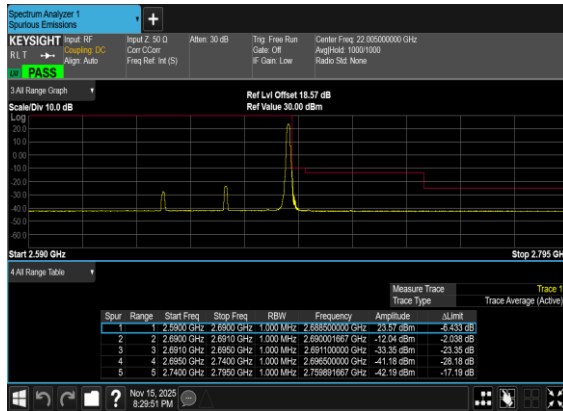


N41(50M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

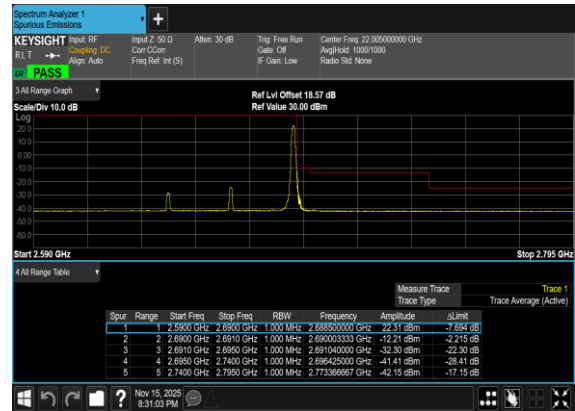




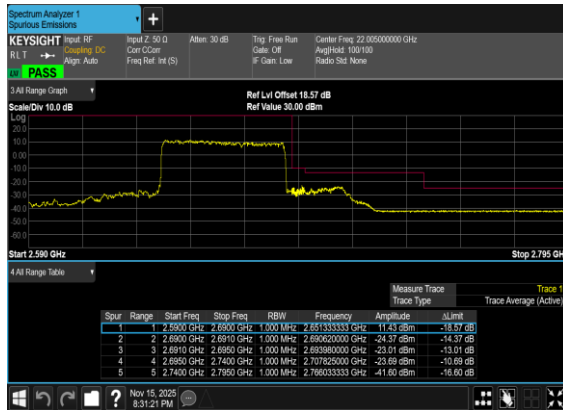
N41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



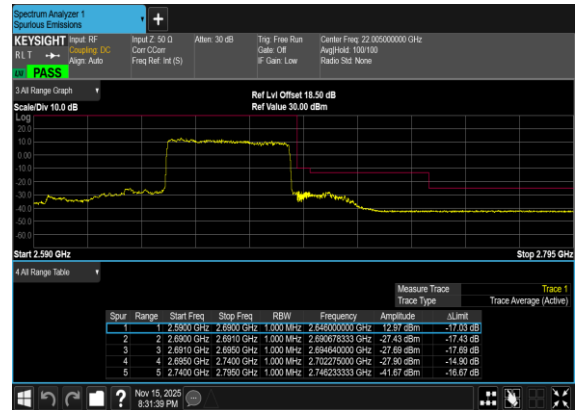
N41(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N41(50M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

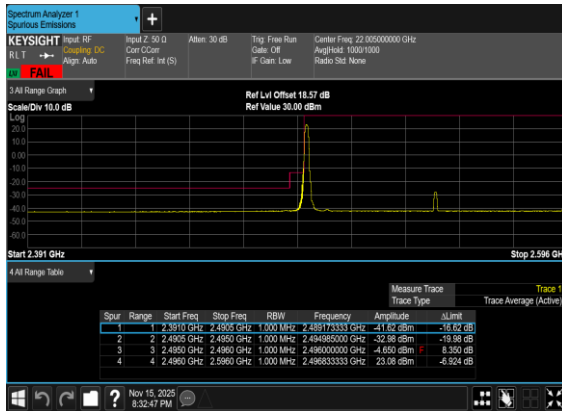


N41(50M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

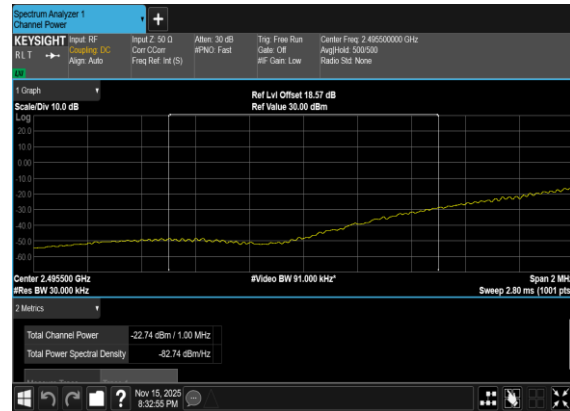




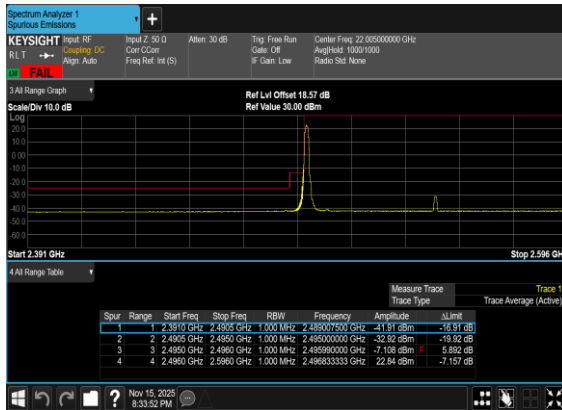
N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



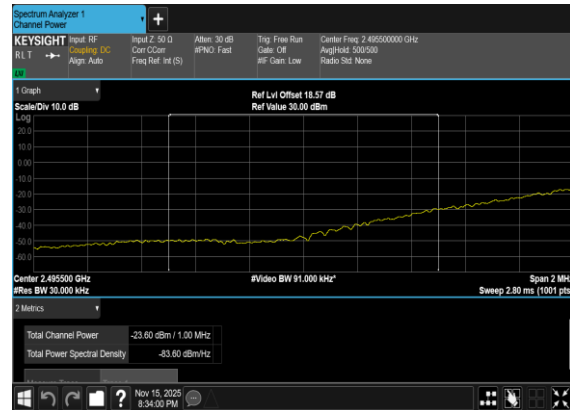
N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PASS



N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

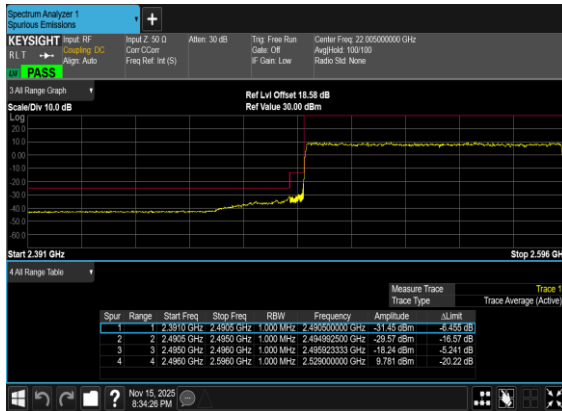


N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS

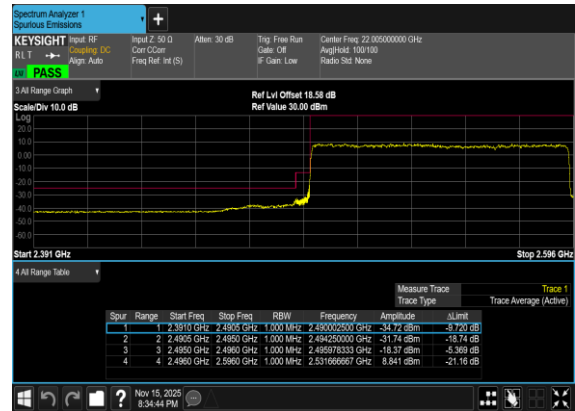




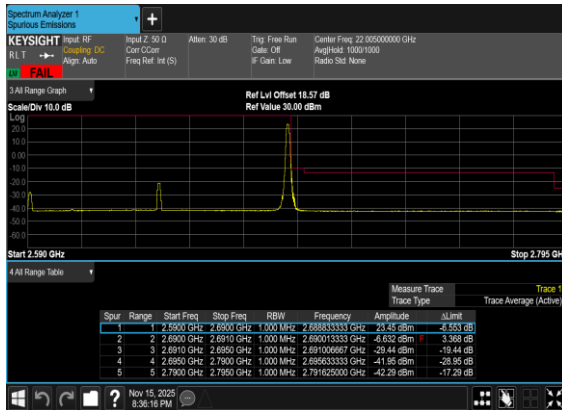
N41(100M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



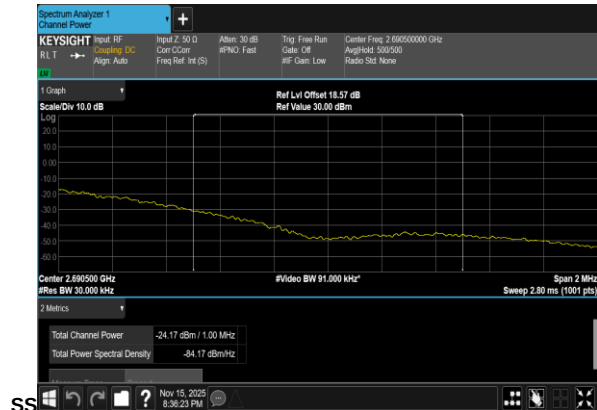
N41(100M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH

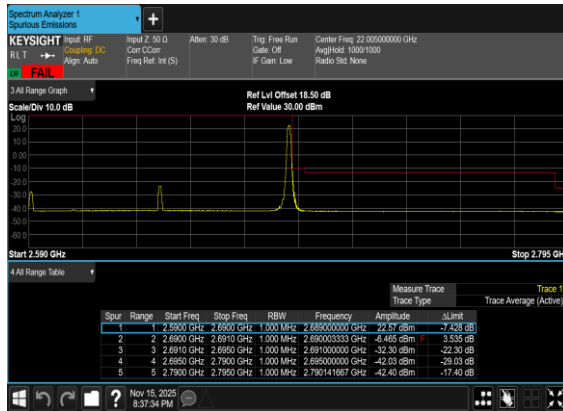


N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH_CHP_PA

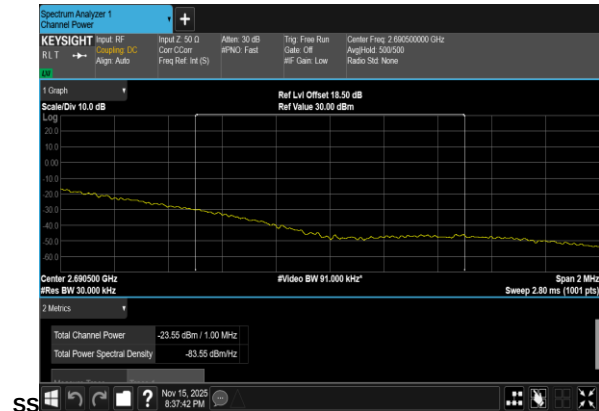




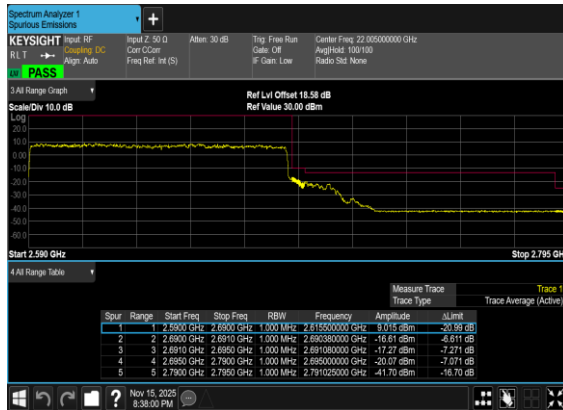
N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



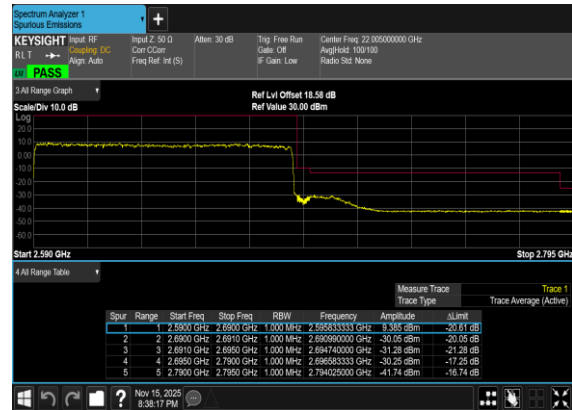
N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_PA



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 :	LiangPingZhou	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(ANT8)									
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)
Lowest	5002.00	-59.64	-25	-34.64	-81.53	-65.20	7.12	12.68	H
	7503.00	-53.16	-25	-28.16	-79.02	-56.49	8.26	11.59	H
	10004.00	-50.69	-25	-25.69	-80.92	-52.22	10.45	11.98	H
	5002.00	-56.65	-25	-31.65	-78.59	-62.21	7.12	12.68	V
	7503.00	-50.72	-25	-25.72	-76.57	-54.05	8.26	11.59	V
	10004.00	-54.03	-25	-29.03	-82.63	-55.56	10.45	11.98	V
Middle	5022.00	-58.86	-25	-33.86	-80.69	-64.42	7.14	12.70	H
	7533.00	-50.33	-25	-25.33	-76.15	-53.63	8.30	11.60	H
	10044.00	-50.94	-25	-25.94	-81.14	-52.46	10.48	12.00	H
	5022.00	-56.74	-25	-31.74	-78.66	-62.30	7.14	12.70	V
	7533.00	-43.77	-25	-18.77	-69.57	-47.07	8.30	11.60	V
	10044.00	-54.20	-25	-29.20	-82.84	-55.72	10.48	12.00	V
Highest	5042.00	-58.95	-25	-33.95	-80.75	-64.51	7.16	12.72	H
	7563.00	-48.47	-25	-23.47	-74.22	-51.77	8.33	11.63	H
	10084.00	-52.21	-25	-27.21	-82.40	-53.81	10.50	12.10	H
	5042.00	-56.58	-25	-31.58	-78.5	-62.14	7.16	12.72	V
	7563.00	-45.86	-25	-20.86	-71.58	-49.16	8.33	11.63	V
	10084.00	-53.88	-25	-28.88	-82.59	-55.48	10.50	12.10	V

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



EN-DC_66A_n7A / LTE 20MHz + NR 40MHz / QPSK (ANT5+8)									
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 Lowest	5002.00	-59.93	-25	-34.93	-81.82	-65.49	7.12	12.68	H
	7503.00	-55.89	-25	-30.89	-81.75	-59.22	8.26	11.59	H
	10004.00	-51.62	-25	-26.62	-81.85	-53.15	10.45	11.98	H
	5002.00	-60.16	-25	-35.16	-82.1	-65.72	7.12	12.68	V
	7503.00	-55.48	-25	-30.48	-81.33	-58.81	8.26	11.59	V
	10004.00	-53.54	-25	-28.54	-82.14	-55.07	10.45	11.98	V
LTE Band66 Lowest	3481	-62.19	-13	-49.19	-79.00	-69.07	5.60	12.48	H
	5221.5	-60.77	-13	-47.77	-82.27	-66.45	7.10	12.78	H
	6962	-56.71	-13	-43.71	-82.22	-60.10	8.38	11.77	H
	3481	-62.33	-13	-49.33	-79.13	-69.21	5.60	12.48	V
	5221.5	-60.33	-13	-47.33	-82.08	-66.01	7.10	12.78	V
	6962	-56.16	-13	-43.16	-82.13	-59.55	8.38	11.77	V
NR n7 Middle	5032.00	-60.19	-25	-35.19	-82.02	-65.75	7.14	12.70	H
	7548.00	-55.68	-25	-30.68	-81.47	-58.98	8.30	11.60	H
	10064.00	-51.48	-25	-26.48	-81.68	-53.00	10.48	12.00	H
	5032.00	-60.22	-25	-35.22	-82.14	-65.78	7.14	12.70	V
	7548.00	-55.84	-25	-30.84	-81.6	-59.14	8.30	11.60	V
	10064.00	-53.06	-25	-28.06	-81.74	-54.58	10.48	12.00	V
LTE Band66 Middle	3481	-62.22	-13	-49.22	-79.03	-69.07	5.65	12.50	H
	5221.5	-60.65	-13	-47.65	-82.15	-66.32	7.13	12.80	H
	6962	-55.85	-13	-42.85	-81.36	-59.25	8.40	11.80	H
	3481	-61.81	-13	-48.81	-78.61	-68.66	5.65	12.50	V
	5221.5	-60.44	-13	-47.44	-82.19	-66.11	7.13	12.80	V
	6962	-55.95	-13	-42.95	-81.92	-59.35	8.40	11.80	V
NR n7 Highest	5062.00	-59.43	-25	-34.43	-81.19	-64.99	7.16	12.72	H
	7593.00	-55.16	-25	-30.16	-80.84	-58.46	8.33	11.63	H
	10124.00	-51.68	-25	-26.68	-81.83	-53.28	10.50	12.10	H
	5062.00	-59.34	-25	-34.34	-81.24	-64.90	7.16	12.72	V
	7593.00	-55.86	-25	-30.86	-81.49	-59.16	8.33	11.63	V
	10124.00	-52.47	-25	-27.47	-81.25	-54.07	10.50	12.10	V
LTE Band66 Highest	3481	-62.24	-13	-49.24	-79.05	-69.08	5.68	12.52	H
	5221.5	-60.52	-13	-47.52	-82.02	-66.19	7.15	12.82	H
	6962	-56.46	-13	-43.46	-81.97	-59.89	8.42	11.85	H
	3481	-62.29	-13	-49.29	-79.09	-69.13	5.68	12.52	V
	5221.5	-60.61	-13	-47.61	-82.36	-66.28	7.15	12.82	V
	6962	-55.95	-13	-42.95	-81.92	-59.38	8.42	11.85	V

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



EN-DC_13A_n7A / LTE 5MHz + NR 40MHz / QPSK (ANT8+5) /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 Lowest	5002.00	-59.76	-25	-34.76	-81.65	-65.32	7.12	12.68	H
	7503.00	-55.68	-25	-30.68	-81.54	-59.01	8.26	11.59	H
	10004.00	-52.08	-25	-27.08	-82.31	-53.61	10.45	11.98	H
	5002.00	-59.42	-25	-34.42	-81.36	-64.98	7.12	12.68	V
	7503.00	-55.35	-25	-30.35	-81.2	-58.68	8.26	11.59	V
	10004.00	-53.52	-25	-28.52	-82.12	-55.05	10.45	11.98	V
LTE Band13 Lowest	1554.5	-63.57	-13	-50.57	-73.12	-66.82	4.00	9.40	H
	2331.75	-61.09	-13	-48.09	-75.46	-64.66	4.88	10.60	H
	3109	-59.77	-13	-46.77	-76.15	-64.70	5.52	12.60	H
	1554.5	-62.91	-13	-49.91	-72.54	-66.16	4.00	9.40	V
	2331.75	-60.79	-13	-47.79	-75.16	-64.36	4.88	10.60	V
	3109	-59.72	-13	-46.72	-76.16	-64.65	5.52	12.60	V
NR n7 Middle	5032.00	-59.24	-25	-34.24	-81.07	-64.80	7.14	12.70	H
	7548.00	-54.62	-25	-29.62	-80.41	-57.92	8.30	11.60	H
	10064.00	-51.36	-25	-26.36	-81.56	-52.88	10.48	12.00	H
	5032.00	-59.26	-25	-34.26	-81.18	-64.82	7.14	12.70	V
	7548.00	-55.35	-25	-30.35	-81.11	-58.65	8.30	11.60	V
	10064.00	-52.62	-25	-27.62	-81.3	-54.14	10.48	12.00	V
LTE Band13 Middle	1559.5	-63.51	-42.56	-20.95	-73.06	-66.76	4.00	9.40	H
	2339.25	-60.72	-13	-47.72	-75.04	-64.29	4.88	10.60	H
	3119	-59.27	-13	-46.27	-75.75	-64.20	5.52	12.60	H
	1559.5	-62.11	-42.56	-19.55	-71.74	-65.36	4.00	9.40	V
	2339.25	-60.50	-13	-47.50	-74.82	-64.07	4.88	10.60	V
	3119	-59.47	-13	-46.47	-75.99	-64.40	5.52	12.60	V
NR n7 Highest	5062.00	-59.27	-25	-34.27	-81.03	-64.83	7.16	12.72	H
	7593.00	-55.20	-25	-30.20	-80.88	-58.50	8.33	11.63	H
	10124.00	-50.55	-25	-25.55	-80.70	-52.15	10.50	12.10	H
	5062.00	-59.09	-25	-34.09	-80.99	-64.65	7.16	12.72	V
	7593.00	-55.02	-25	-30.02	-80.65	-58.32	8.33	11.63	V
	10124.00	-52.08	-25	-27.08	-80.86	-53.68	10.50	12.10	V
LTE Band13 Highest	1564.5	-63.43	-42.15	-21.28	-72.98	-66.68	4.00	9.40	H
	2346.75	-60.82	-13	-47.82	-75.14	-64.39	4.88	10.60	H
	3129	-59.65	-13	-46.65	-76.13	-64.58	5.52	12.60	H
	1564.5	-63.91	-42.15	-21.76	-73.54	-67.16	4.00	9.40	V
	2346.75	-60.97	-13	-47.97	-75.29	-64.54	4.88	10.60	V
	3129	-59.83	-13	-46.83	-76.35	-64.76	5.52	12.60	V

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



N38 SA / NR 40MHz / QPSK(ANT8)									
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)
Lowest	5142.50	-60.03	-25	-35.03	-81.64	-65.59	7.12	12.68	H
	7714.00	-50.63	-25	-25.63	-76.55	-53.96	8.26	11.59	H
	10285.00	-51.08	-25	-26.08	-81.14	-52.61	10.45	11.98	H
	5142.50	-59.16	-25	-34.16	-81.02	-64.72	7.12	12.68	V
	7714.00	-46.09	-25	-21.09	-71.89	-49.42	8.26	11.59	V
	10285.00	-52.94	-25	-27.94	-81.98	-54.47	10.45	11.98	V
Middle	5152.00	-59.88	-25	-34.88	-81.50	-65.44	7.14	12.70	H
	7728.00	-45.56	-25	-20.56	-71.52	-48.86	8.30	11.60	H
	10304.00	-49.48	-25	-24.48	-79.53	-51.00	10.48	12.00	H
	5152.00	-57.80	-25	-32.80	-79.67	-63.36	7.14	12.70	V
	7728.00	-45.89	-25	-20.89	-71.71	-49.19	8.30	11.60	V
	10304.00	-51.56	-25	-26.56	-80.62	-53.08	10.48	12.00	V
Highest	5162.50	-60.27	-25	-35.27	-81.85	-65.83	7.16	12.72	H
	7744.00	-46.15	-25	-21.15	-72.15	-49.45	8.33	11.63	H
	10325.00	-49.53	-25	-24.53	-79.56	-51.13	10.50	12.10	H
	5162.50	-58.24	-25	-33.24	-80.09	-63.80	7.16	12.72	V
	7744.00	-46.79	-25	-21.79	-72.64	-50.09	8.33	11.63	V
	10325.00	-52.50	-25	-27.50	-81.62	-54.10	10.50	12.10	V

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

N41 SA / NR 100MHz / QPSK(ANT8)									
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)
Lowest	4996.00	-59.36	-25	-34.36	-81.25	-64.92	7.12	12.68	H
	7494.00	-52.73	-25	-27.73	-78.63	-56.06	8.26	11.59	H
	9992.00	-50.27	-25	-25.27	-80.50	-51.80	10.45	11.98	H
	4996.00	-58.06	-25	-33.06	-80	-63.62	7.12	12.68	V
	7494.00	-48.80	-25	-23.80	-74.69	-52.13	8.26	11.59	V
	9992.00	-53.34	-25	-28.34	-81.9	-54.87	10.45	11.98	V
Middle	5090.00	-58.32	-25	-33.32	-80.02	-63.88	7.14	12.70	H
	7635.00	-43.13	-25	-18.13	-68.88	-46.43	8.30	11.60	H
	10180.00	-47.72	-25	-22.72	-77.84	-49.24	10.48	12.00	H
	5090.00	-58.71	-25	-33.71	-80.59	-64.27	7.14	12.70	V
	7635.00	-38.18	-25	-13.18	-63.85	-41.48	8.30	11.60	V
	10180.00	-52.23	-25	-27.23	-81.1	-53.75	10.48	12.00	V
Highest	5184.00	-56.60	-25	-31.60	-78.16	-62.16	7.16	12.72	H
	7776.00	-43.73	-25	-18.73	-69.78	-47.03	8.33	11.63	H
	10368.00	-46.33	-25	-21.33	-76.35	-47.93	10.50	12.10	H
	5184.00	-56.67	-25	-31.67	-78.52	-62.23	7.16	12.72	V
	7776.00	-41.60	-25	-16.60	-67.48	-44.90	8.33	11.63	V
	10368.00	-48.64	-25	-23.64	-77.83	-50.24	10.50	12.10	V

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



EN-DC 66A n41A / LTE 20MHz + NR 100MHz / QPSK (ANT5+8)									
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 Lowest	4996.00	-59.85	-25	-34.85	-81.74	-65.41	7.12	12.68	H
	7494.00	-52.06	-25	-27.06	-77.96	-55.39	8.26	11.59	H
	9992.00	-51.75	-25	-26.75	-81.98	-53.28	10.45	11.98	H
	4996.00	-58.86	-25	-33.86	-80.8	-64.42	7.12	12.68	V
	7494.00	-50.66	-25	-25.66	-76.55	-53.99	8.26	11.59	V
	9992.00	-53.50	-25	-28.50	-82.06	-55.03	10.45	11.98	V
LTE Band66 Lowest	3422	-62.54	-13	-49.54	-78.74	-69.42	5.60	12.48	H
	5133	-59.44	-13	-46.44	-81.09	-65.12	7.10	12.78	H
	6844	-56.89	-13	-43.89	-81.97	-60.28	8.38	11.77	H
	3422	-62.18	-13	-49.18	-78.47	-69.06	5.60	12.48	V
	5133	-59.24	-13	-46.24	-81.11	-64.92	7.10	12.78	V
	6844	-56.40	-13	-43.40	-81.98	-59.79	8.38	11.77	V
NR n41 Middle	5090.00	-59.82	-25	-34.82	-81.52	-65.38	7.14	12.70	H
	7635.00	-45.73	-25	-20.73	-71.48	-49.03	8.30	11.60	H
	10180.00	-51.29	-25	-26.29	-81.41	-52.81	10.48	12.00	H
	5090.00	-59.48	-25	-34.48	-81.36	-65.04	7.14	12.70	V
	7635.00	-43.74	-25	-18.74	-69.41	-47.04	8.30	11.60	V
	10180.00	-52.79	-25	-27.79	-81.66	-54.31	10.48	12.00	V
LTE Band66 Middle	3472	-62.27	-13	-49.27	-78.94	-69.12	5.65	12.50	H
	5208	-60.37	-13	-47.37	-81.86	-66.04	7.13	12.80	H
	6944	-56.56	-13	-43.56	-82.03	-59.96	8.40	11.80	H
	3472	-62.41	-13	-49.41	-79.1	-69.26	5.65	12.50	V
	5208	-60.47	-13	-47.47	-82.21	-66.14	7.13	12.80	V
	6944	-56.08	-13	-43.08	-82.02	-59.48	8.40	11.80	V
NR n41 Highest	5184.00	-59.96	-25	-34.96	-81.52	-65.52	7.16	12.72	H
	7776.00	-50.33	-25	-25.33	-76.38	-53.63	8.33	11.63	H
	10368.00	-52.20	-25	-27.20	-82.22	-53.80	10.50	12.10	H
	5184.00	-59.21	-25	-34.21	-81.06	-64.77	7.16	12.72	V
	7776.00	-47.01	-25	-22.01	-72.89	-50.31	8.33	11.63	V
	10368.00	-52.74	-25	-27.74	-81.93	-54.34	10.50	12.10	V
LTE Band66 Highest	3522	-61.30	-13	-48.30	-78.42	-68.14	5.68	12.52	H
	5283	-60.89	-13	-47.89	-82.32	-66.56	7.15	12.82	H
	7044	-56.09	-13	-43.09	-81.85	-59.52	8.42	11.85	H
	3522	-61.88	-13	-48.88	-78.94	-68.72	5.68	12.52	V
	5283	-60.47	-13	-47.47	-82.03	-66.14	7.15	12.82	V
	7044	-55.65	-13	-42.65	-81.84	-59.08	8.42	11.85	V

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



EN-DC 71A n41A / LTE 20MHz + NR 100MHz / QPSK (ANT8+5)/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 n41 Lowest	4996.00	-59.76	-25	-34.76	-81.65	-65.32	7.12	12.68	H
	7494.00	-55.67	-25	-30.67	-81.57	-59.00	8.26	11.59	H
	9992.00	-51.83	-25	-26.83	-82.06	-53.36	10.45	11.98	H
	4996.00	-59.83	-25	-34.83	-81.77	-65.39	7.12	12.68	V
	7494.00	-55.22	-25	-30.22	-81.11	-58.55	8.26	11.59	V
	9992.00	-53.48	-25	-28.48	-82.04	-55.01	10.45	11.98	V
LTE Band71 Lowest	1328	-57.32	-13	-44.32	-66.47	-60.55	3.98	9.36	H
	1992	-62.13	-13	-49.13	-73.02	-65.68	4.85	10.55	H
	2656	-62.37	-13	-49.37	-76.75	-67.30	5.50	12.58	H
	1328	-56.40	-13	-43.40	-65.19	-59.63	3.98	9.36	V
	1992	-65.23	-13	-52.23	-75.97	-68.78	4.85	10.55	V
	2656	-62.44	-13	-49.44	-76.79	-67.37	5.50	12.58	V
NR n41 Middle	5090.00	-59.24	-25	-34.24	-80.94	-64.80	7.14	12.70	H
	7635.00	-55.28	-25	-30.28	-81.03	-58.58	8.30	11.60	H
	10180.00	-51.63	-25	-26.63	-81.75	-53.15	10.48	12.00	H
	5090.00	-58.99	-25	-33.99	-80.87	-64.55	7.14	12.70	V
	7635.00	-55.37	-25	-30.37	-81.04	-58.67	8.30	11.60	V
	10180.00	-52.86	-25	-27.86	-81.73	-54.38	10.48	12.00	V
LTE Band71 Middle	1348	-57.44	-13	-44.44	-66.81	-60.69	4.00	9.40	H
	2022	-62.74	-13	-49.74	-73.99	-66.31	4.88	10.60	H
	2696	-62.04	-13	-49.04	-76.71	-66.97	5.52	12.60	H
	1348	-55.17	-13	-42.17	-64.17	-58.42	4.00	9.40	V
	2022	-64.89	-13	-51.89	-76.03	-68.46	4.88	10.60	V
	2696	-62.28	-13	-49.28	-76.99	-67.21	5.52	12.60	V
NR n41 Highest	5184.00	-59.86	-25	-34.86	-81.42	-65.42	7.16	12.72	H
	7776.00	-55.74	-25	-30.74	-81.79	-59.04	8.33	11.63	H
	10368.00	-51.78	-25	-26.78	-81.80	-53.38	10.50	12.10	H
	5184.00	-59.58	-25	-34.58	-81.43	-65.14	7.16	12.72	V
	7776.00	-55.85	-25	-30.85	-81.73	-59.15	8.33	11.63	V
	10368.00	-52.89	-25	-27.89	-82.08	-54.49	10.50	12.10	V
LTE Band71 Highest	1358	-55.79	-13	-42.79	-65.29	-58.96	4.10	9.42	H
	2037	-61.99	-13	-48.99	-73.56	-65.57	4.90	10.63	H
	2716	-62.36	-13	-49.36	-77.13	-67.28	5.55	12.62	H
	1358	-56.53	-13	-43.53	-65.64	-59.70	4.10	9.42	V
	2037	-64.69	-13	-51.69	-76.16	-68.27	4.90	10.63	V
	2716	-62.15	-13	-49.15	-76.98	-67.07	5.55	12.62	V

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



n38 UL MIMO SA / NR 40MHz / QPSK(ANT8+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)
Lowest	5142.00	-60.00	-25	-35.00	-81.61	-65.56	7.12	12.68	H
	7713.00	-53.69	-25	-28.69	-79.61	-57.02	8.26	11.59	H
	10284.00	-51.89	-25	-26.89	-81.95	-53.42	10.45	11.98	H
	5142.00	-59.68	-25	-34.68	-81.54	-65.24	7.12	12.68	V
	7713.00	-53.75	-25	-28.75	-79.55	-57.08	8.26	11.59	V
	10284.00	-52.92	-25	-27.92	-81.96	-54.45	10.45	11.98	V
Middle	5152.00	-60.22	-25	-35.22	-81.84	-65.78	7.14	12.70	H
	7728.00	-51.76	-25	-26.76	-77.72	-55.06	8.30	11.60	H
	10304.00	-50.36	-25	-25.36	-80.41	-51.88	10.48	12.00	H
	5152.00	-59.75	-25	-34.75	-81.62	-65.31	7.14	12.70	V
	7728.00	-53.76	-25	-28.76	-79.58	-57.06	8.30	11.60	V
	10304.00	-52.84	-25	-27.84	-81.9	-54.36	10.48	12.00	V
Highest	5162.00	-60.02	-25	-35.02	-81.60	-65.58	7.16	12.72	H
	7743.00	-56.07	-25	-31.07	-82.07	-59.37	8.33	11.63	H
	10324.00	-50.76	-25	-25.76	-80.79	-52.36	10.50	12.10	H
	5162.00	-59.65	-25	-34.65	-81.5	-65.21	7.16	12.72	V
	7743.00	-53.32	-25	-28.32	-79.17	-56.62	8.33	11.63	V
	10324.00	-52.80	-25	-27.80	-81.88	-54.40	10.50	12.10	V

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

n41 UL MIMO SA / NR 100MHz / QPSK(ANT8+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)
Lowest	4996.00	-59.05	-25	-34.05	-80.94	-64.61	7.12	12.68	H
	7494.00	-49.63	-25	-24.63	-75.53	-52.96	8.26	11.59	H
	9992.00	-51.63	-25	-26.63	-81.86	-53.16	10.45	11.98	H
	4996.00	-59.75	-25	-34.75	-81.69	-65.31	7.12	12.68	V
	7494.00	-52.04	-25	-27.04	-77.93	-55.37	8.26	11.59	V
	9992.00	-53.01	-25	-28.01	-81.57	-54.54	10.45	11.98	V
Middle	5090.00	-58.80	-25	-33.80	-80.50	-64.36	7.14	12.70	H
	7635.00	-42.77	-25	-17.77	-68.52	-46.07	8.30	11.60	H
	10180.00	-48.87	-25	-23.87	-78.99	-50.39	10.48	12.00	H
	5090.00	-59.06	-25	-34.06	-80.94	-64.62	7.14	12.70	V
	7635.00	-44.93	-25	-19.93	-70.6	-48.23	8.30	11.60	V
	10180.00	-50.84	-25	-25.84	-79.71	-52.36	10.48	12.00	V
Highest	5184.00	-59.63	-25	-34.63	-81.19	-65.19	7.16	12.72	H
	7776.00	-44.85	-25	-19.85	-70.90	-48.15	8.33	11.63	H
	10368.00	-46.96	-25	-21.96	-76.98	-48.56	10.50	12.10	H
	5184.00	-59.93	-25	-34.93	-81.78	-65.49	7.16	12.72	V
	7776.00	-48.23	-25	-23.23	-74.11	-51.53	8.33	11.63	V
	10368.00	-48.40	-25	-23.40	-77.59	-50.00	10.50	12.10	V

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