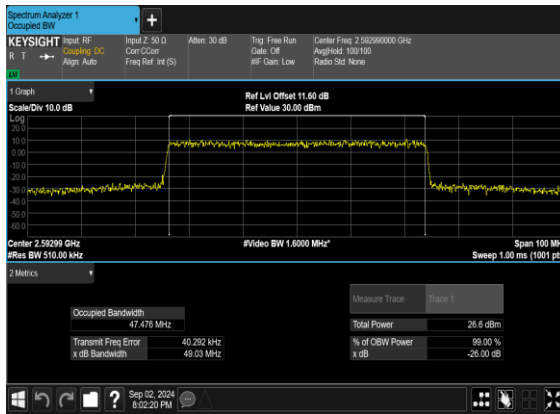
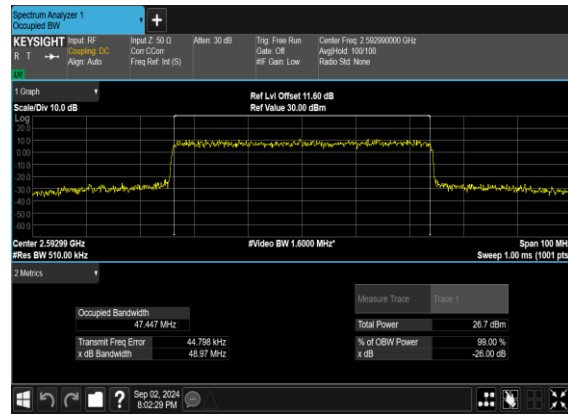




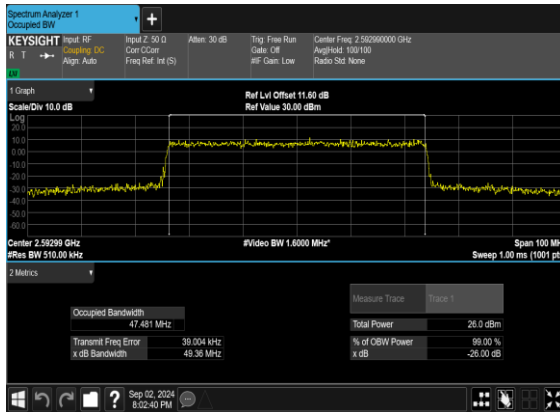
N41(50M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



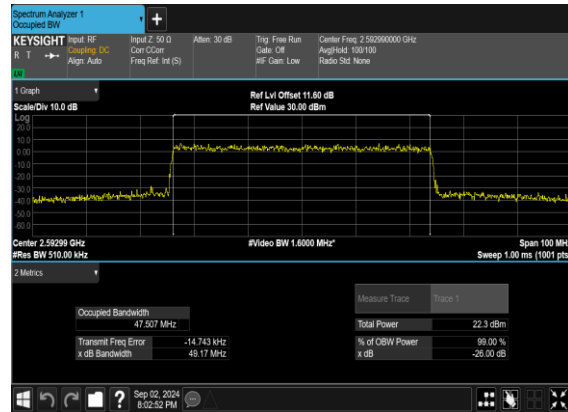
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QAM_Outer_Full_Mid_CH



N41(50M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

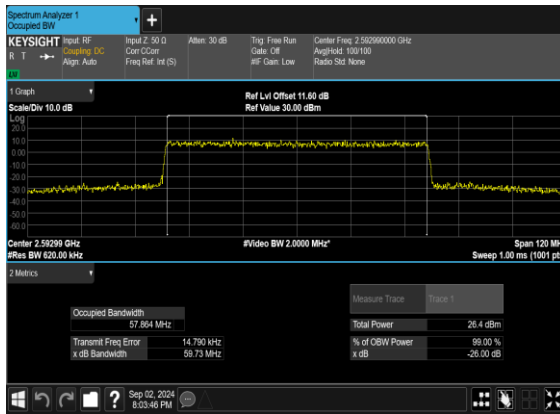


N41(50M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

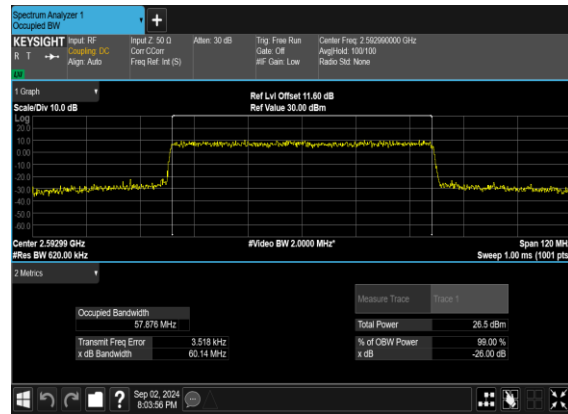




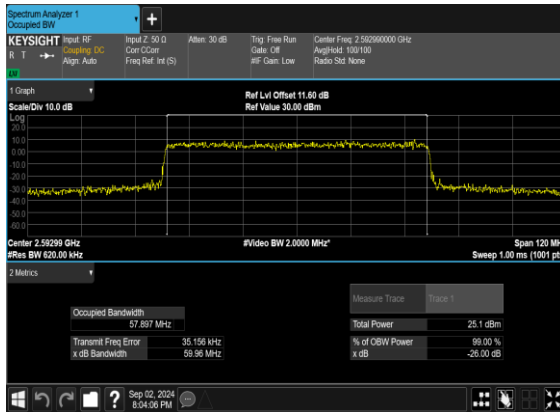
N41(60M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



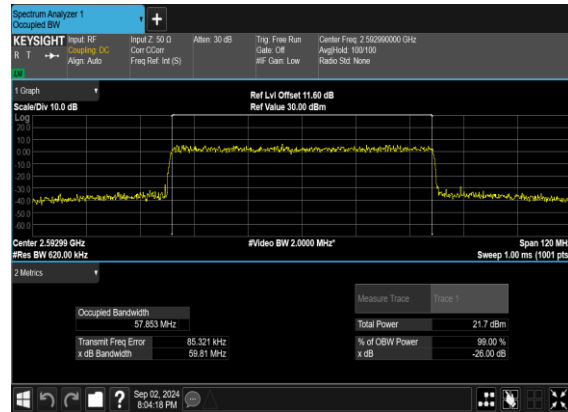
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QAM_Outer_Full_Mid_CH



N41(60M)_CP-OFDM_64
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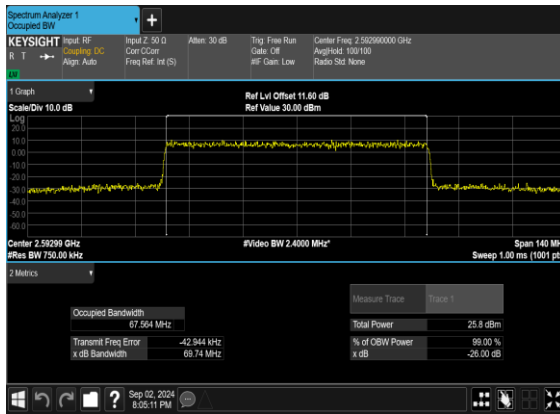


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QAM_Outer_Full_Mid_CH

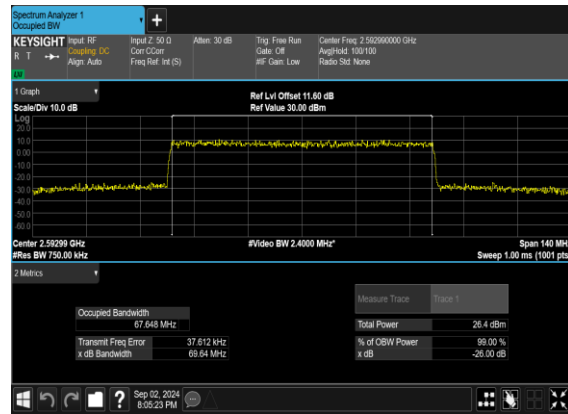




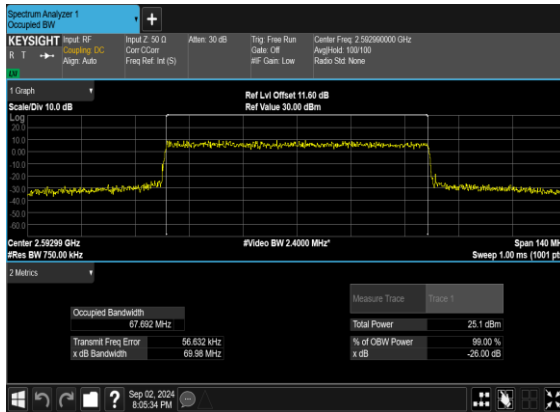
N41(70M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



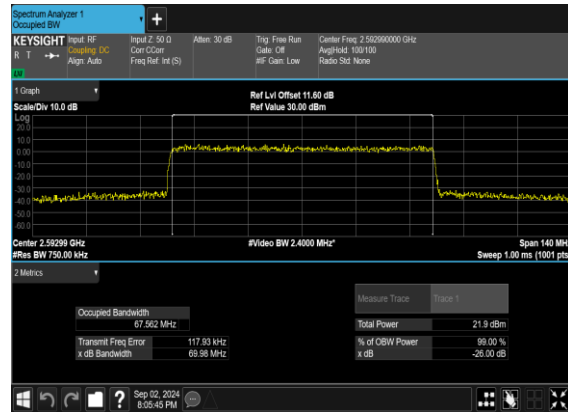
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QAM_Outer_Full_Mid_CH



N41(70M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

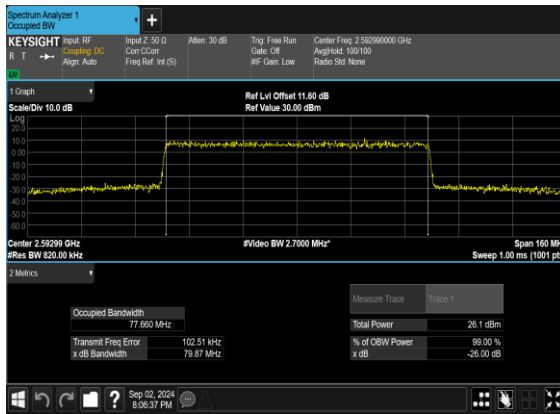


N41(70M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

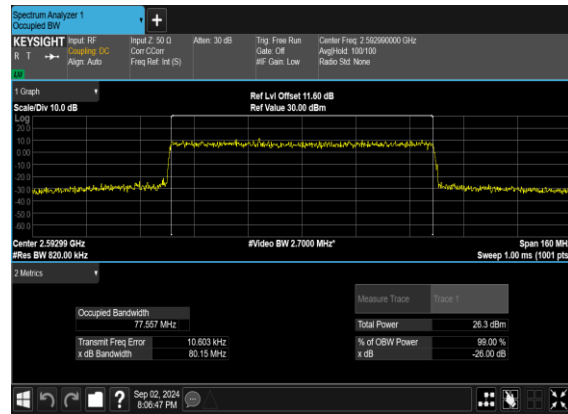




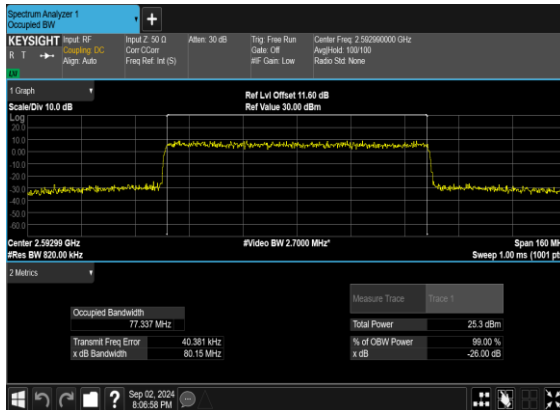
N41(80M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



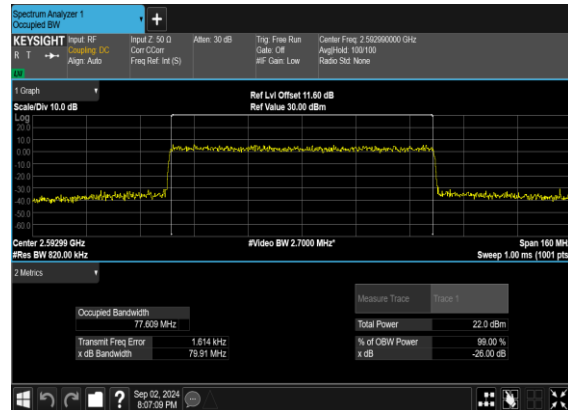
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QAM_Outer_Full_Mid_CH



N41(80M)_CP-OFDM_64
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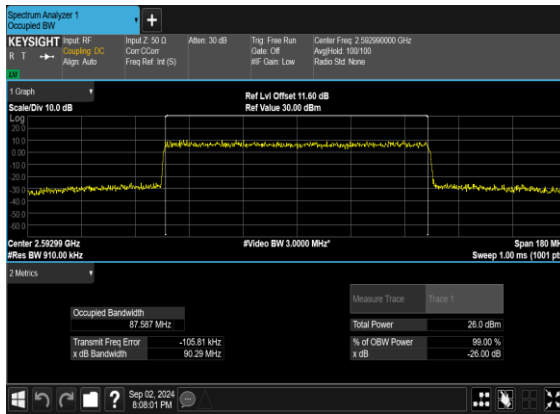


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QAM_Outer_Full_Mid_CH

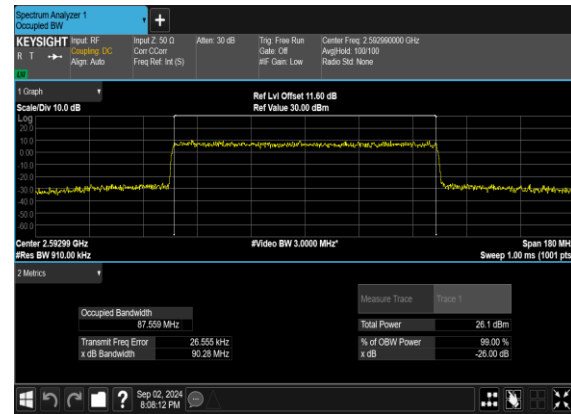




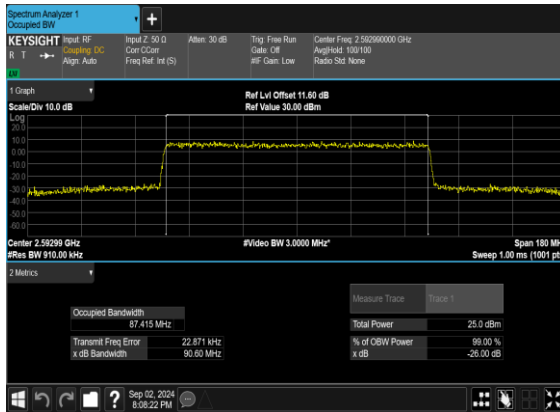
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OFDM_QPSK_Outer_Full_Mid_CH



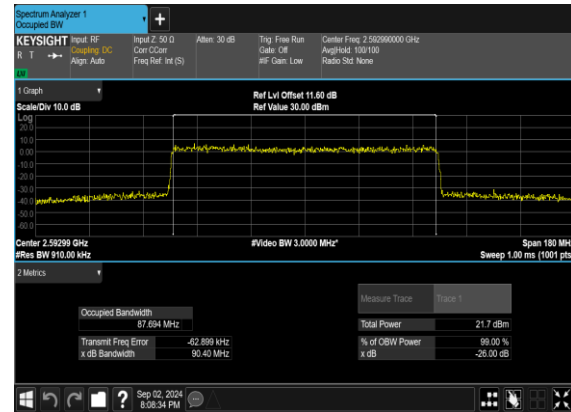
N41(90M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N41(90M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

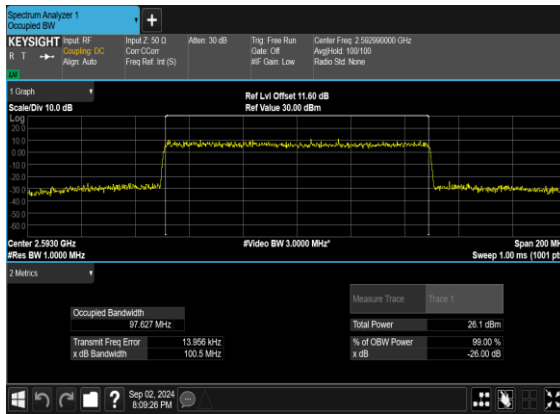


N41(90M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

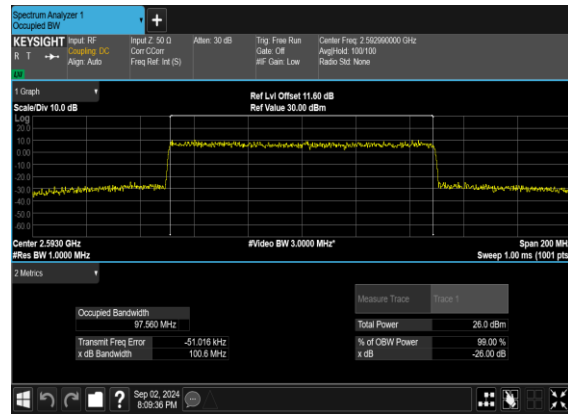




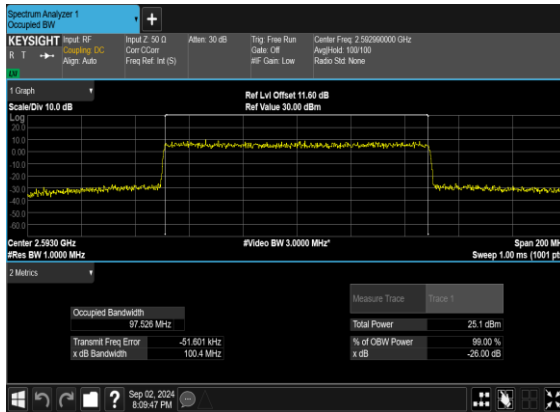
N41(100M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



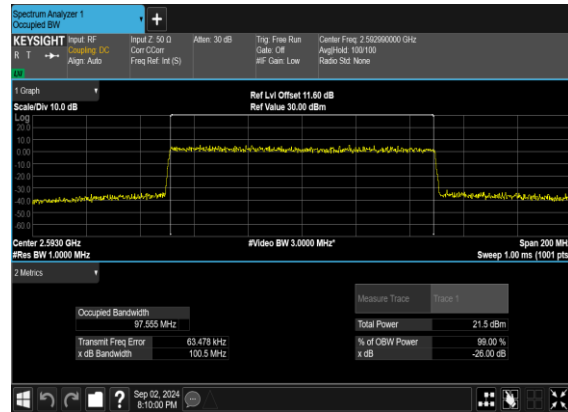
N41(100M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



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	---



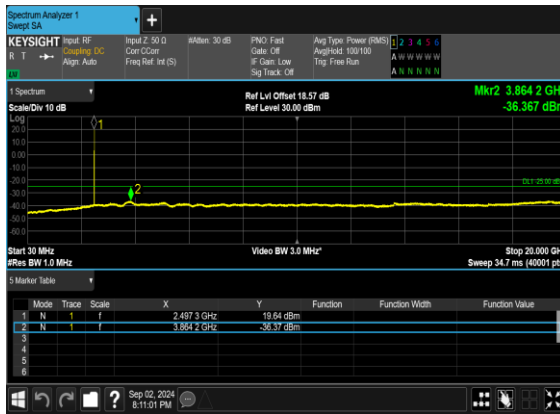
41	30	50	504204	2521.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	50	504204	2521.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	50	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



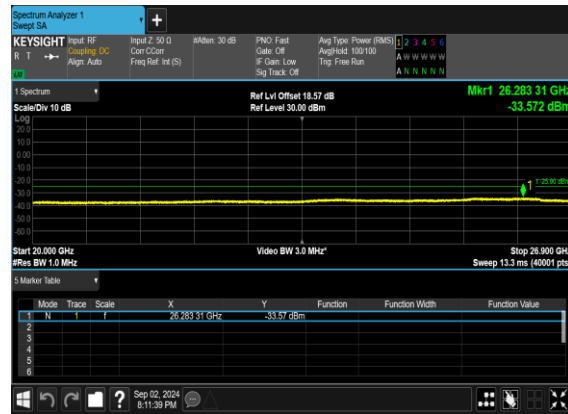
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	100	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	100	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	100	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	---
41	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



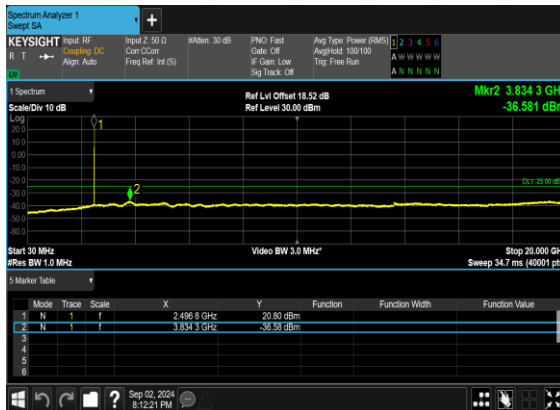
N41(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



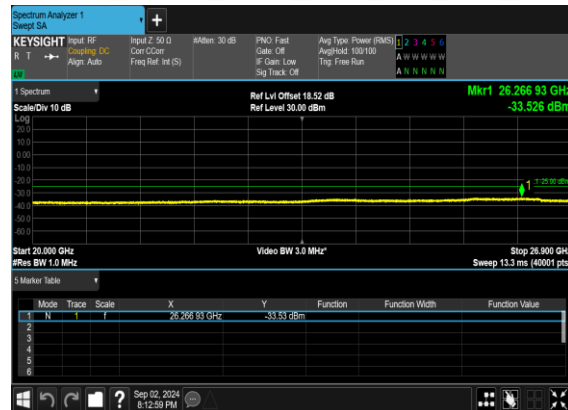
N41(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N41(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

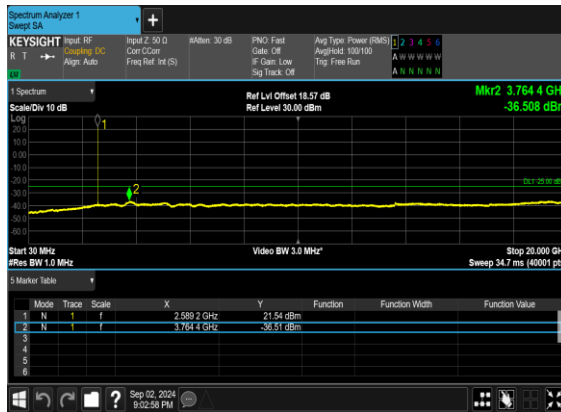


N41(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

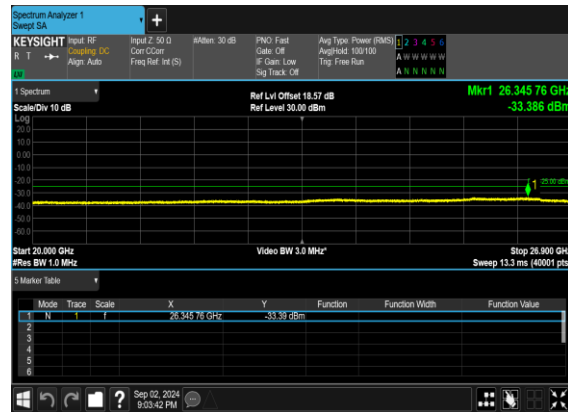




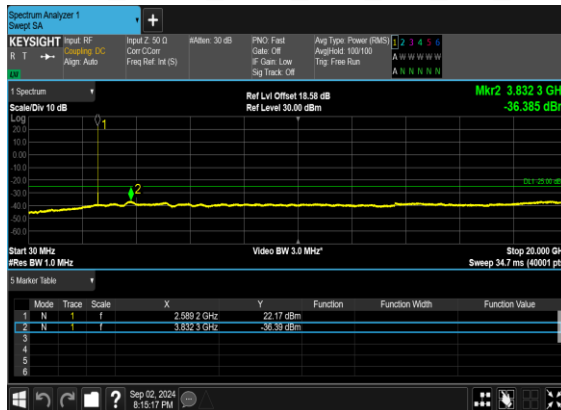
N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



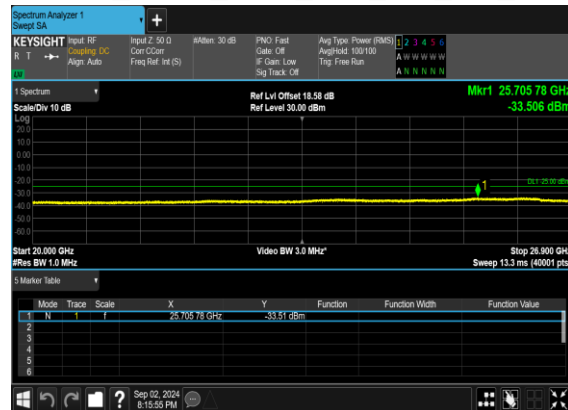
N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

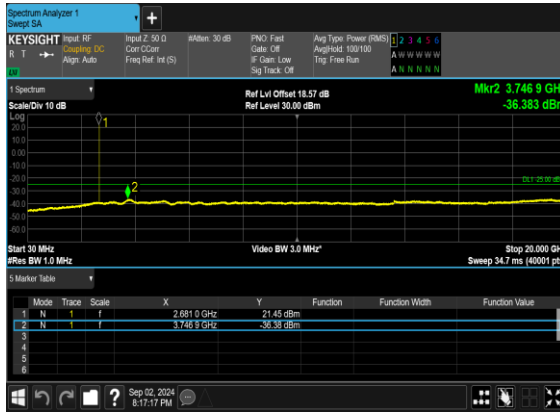


N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

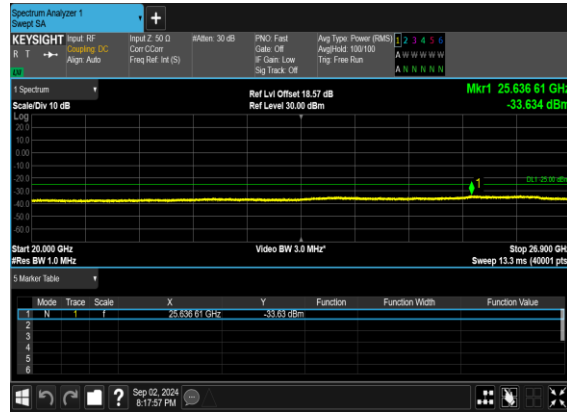




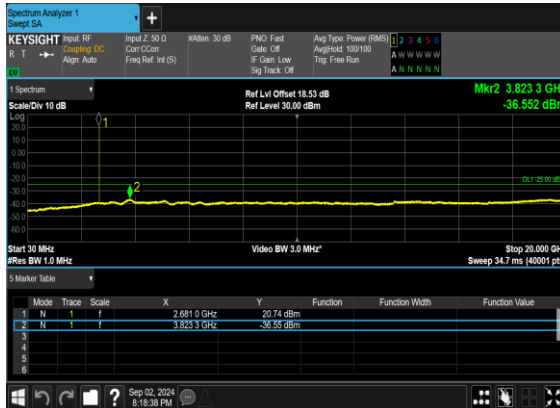
N41(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



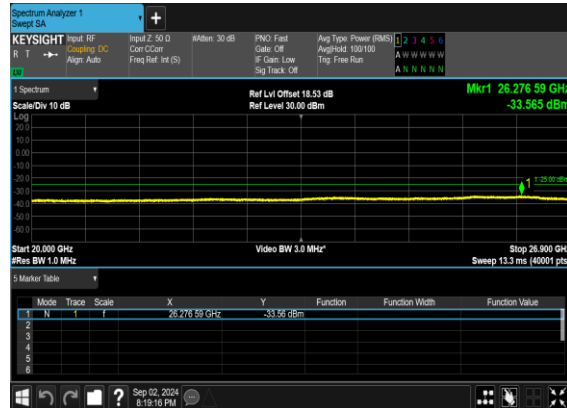
N41(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N41(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

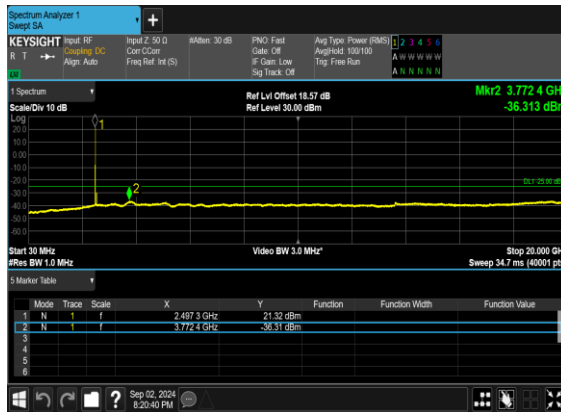


N41(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

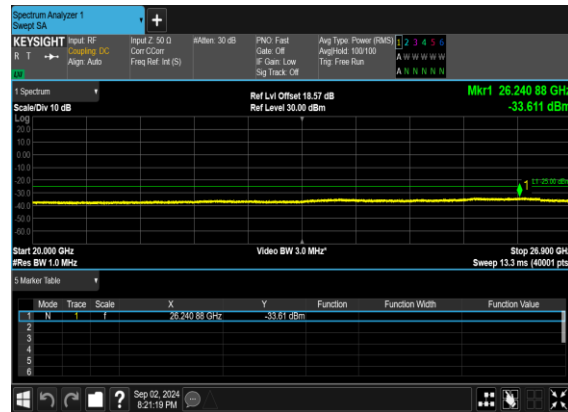




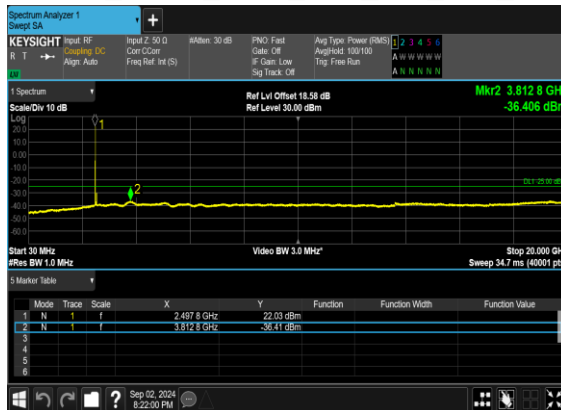
N41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



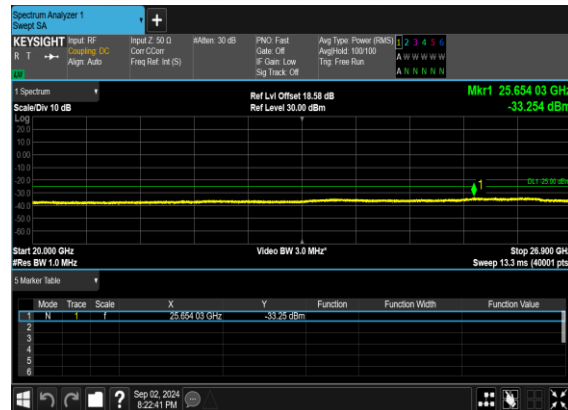
N41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N41(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

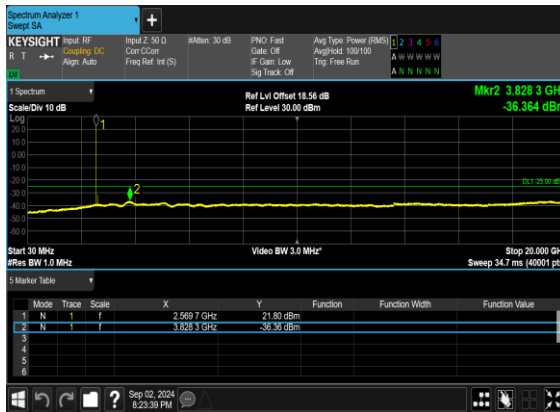


N41(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

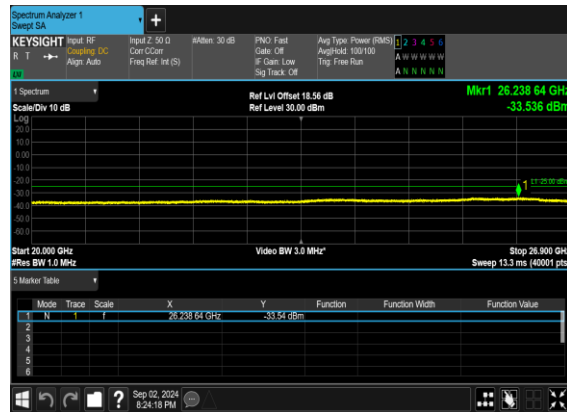




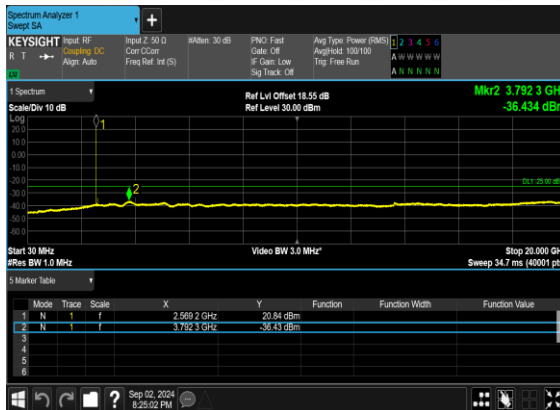
N41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



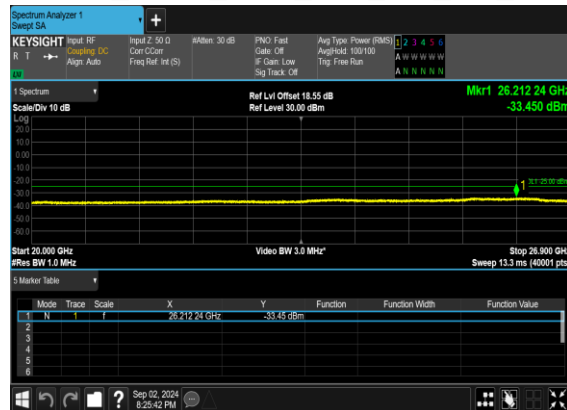
N41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N41(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

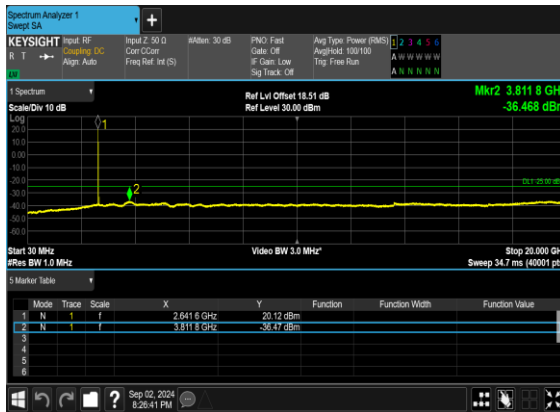


N41(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

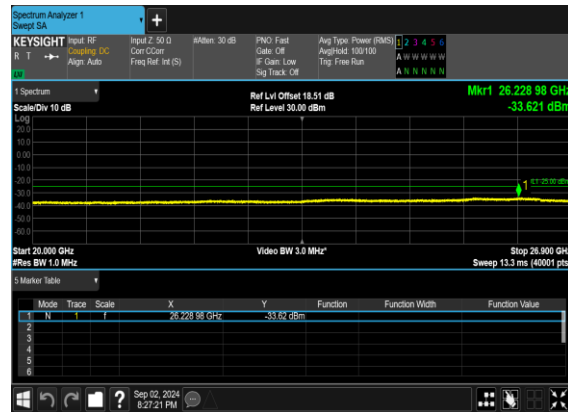




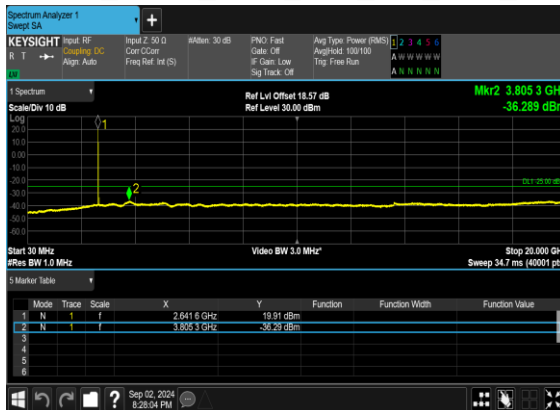
N41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



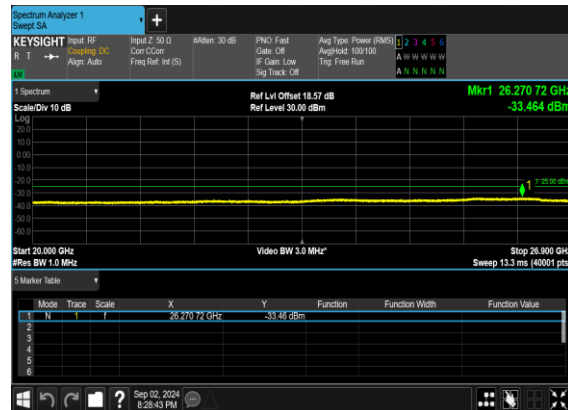
N41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N41(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



N41(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

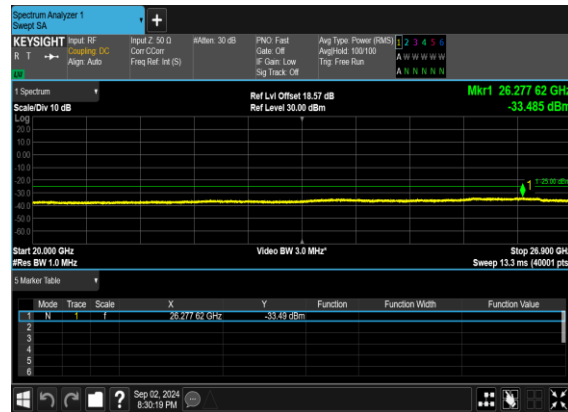




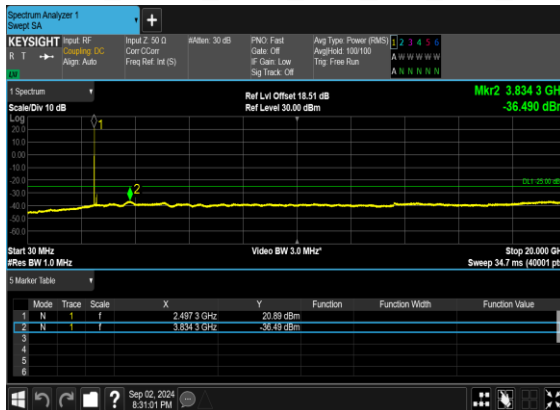
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



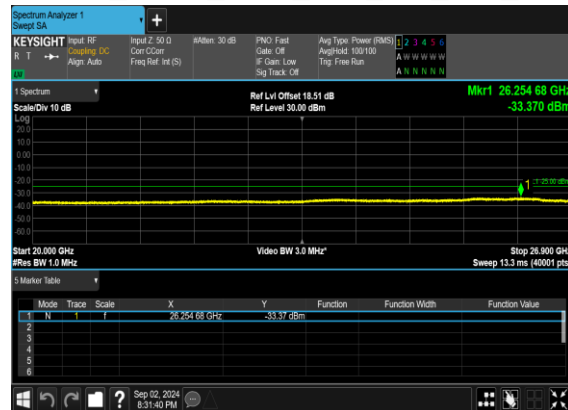
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

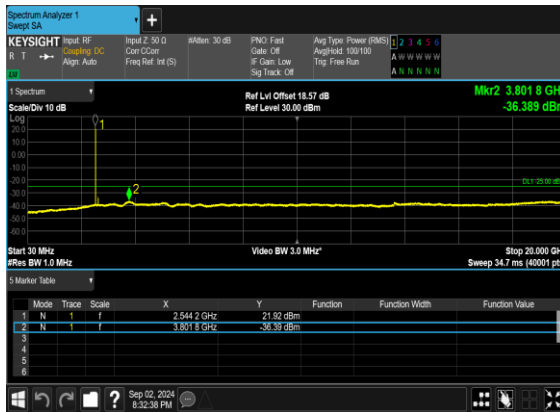


N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

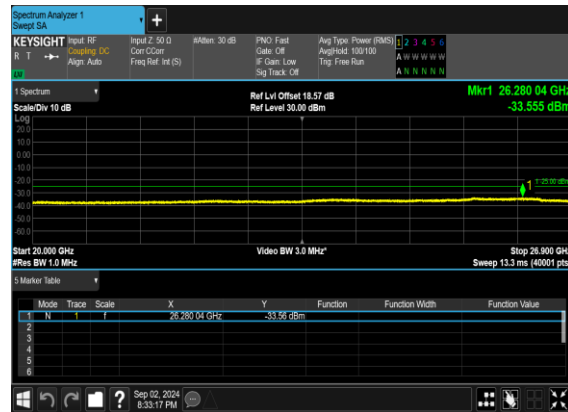




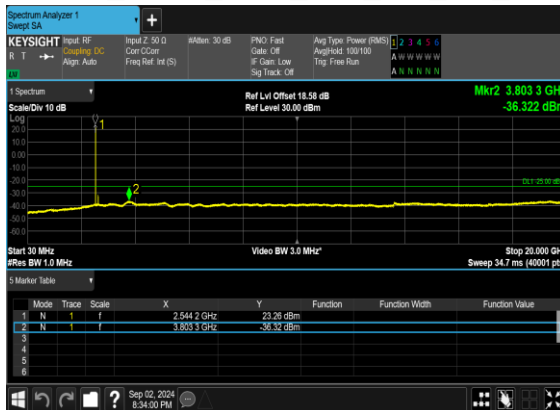
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



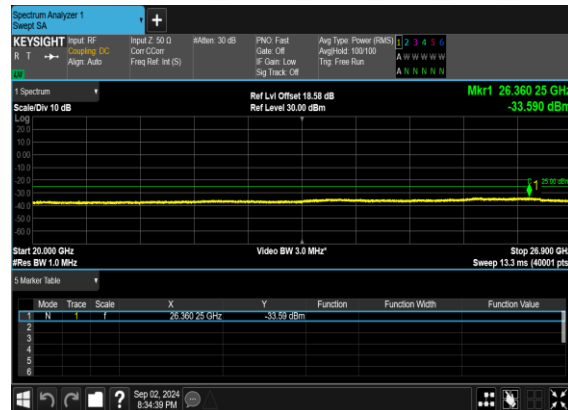
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

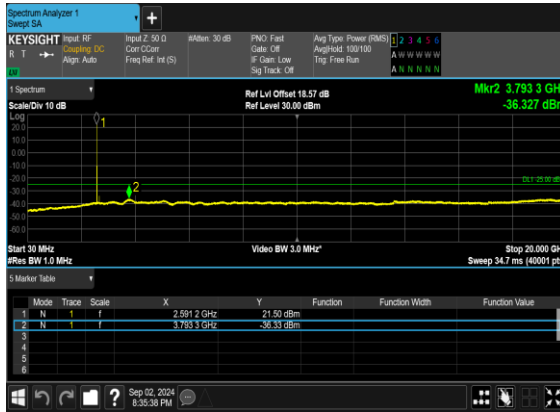


N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

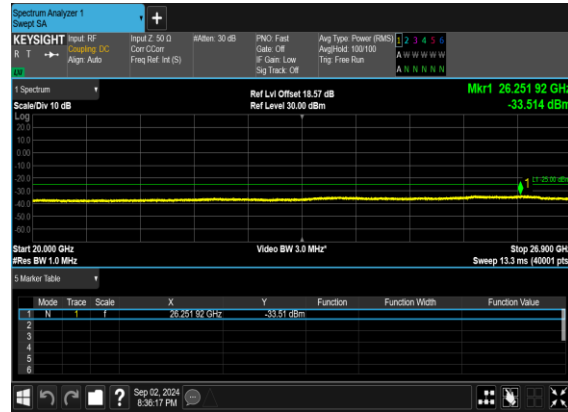




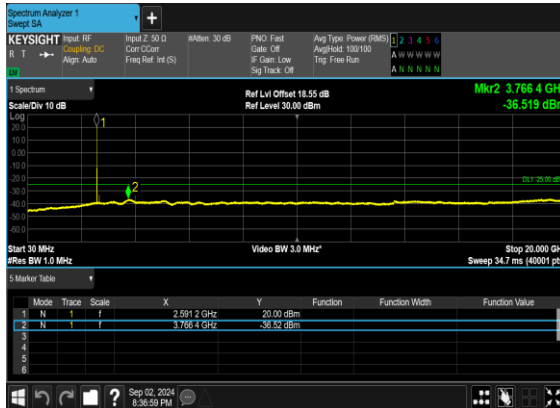
N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



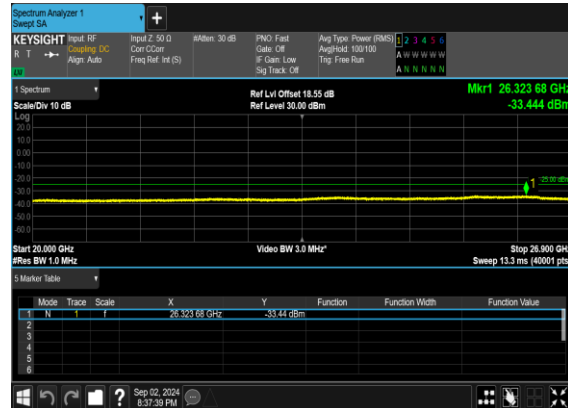
N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



**Conducted Band Edge**

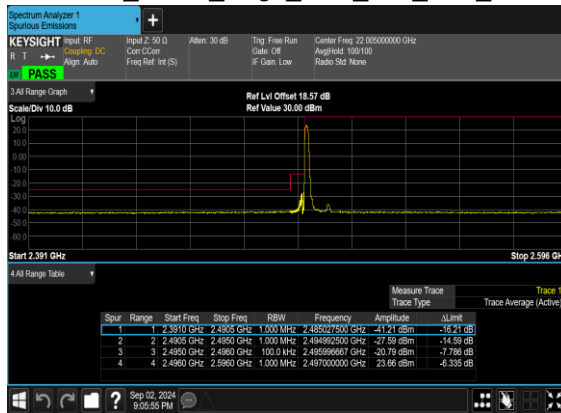
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	30	10	500202	2501.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM BPSK	24@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	24@0	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM BPSK	1@23	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM QPSK	1@23	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM BPSK	24@0	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM QPSK	24@0	see graph	PASS
41	30	50	504204	2521.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	50	504204	2521.02	DFT-s-OFDM BPSK	128@0	see graph	PASS
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	128@0	see graph	PASS
41	30	50	532998	2664.99	DFT-s-OFDM BPSK	1@132	see graph	PASS
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	1@132	see graph	PASS
41	30	50	532998	2664.99	DFT-s-OFDM BPSK	128@0	see graph	PASS
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	128@0	see graph	PASS
41	30	100	509202	2546.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	100	509202	2546.01	DFT-s-OFDM BPSK	270@0	see graph	PASS
41	30	100	509202	2546.01	DFT-s-OFDM	270@0	see graph	PASS



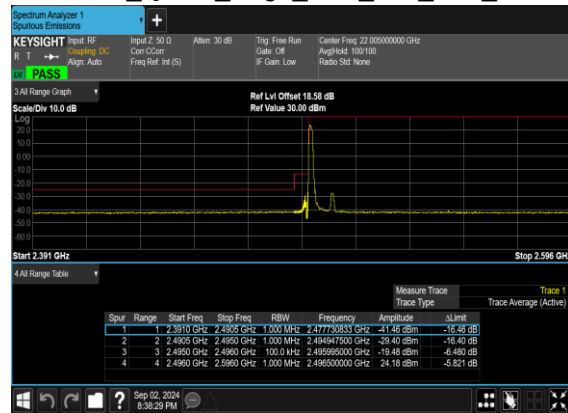
QPSK								
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	1@272	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	1@272	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	270@0	see graph	PASS



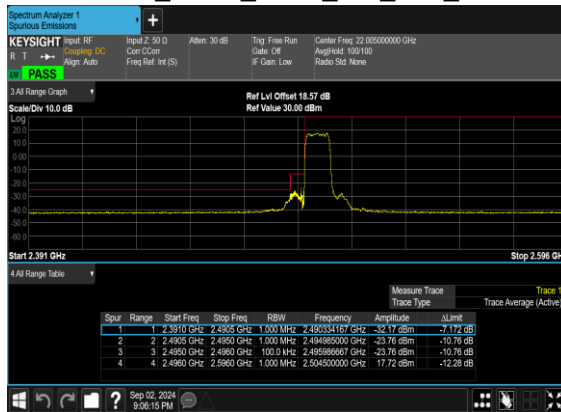
N41(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



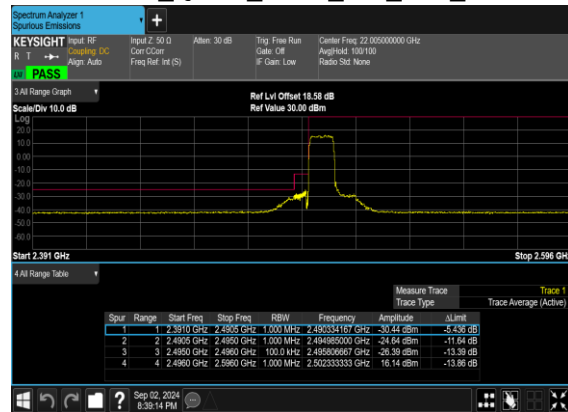
N41(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N41(10M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

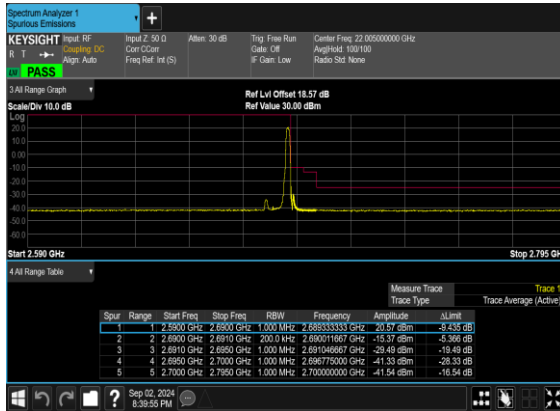


N41(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

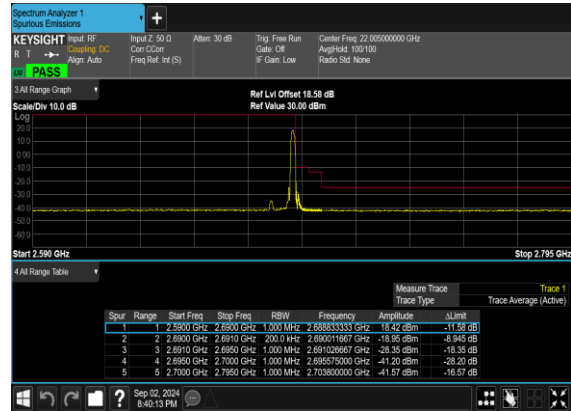




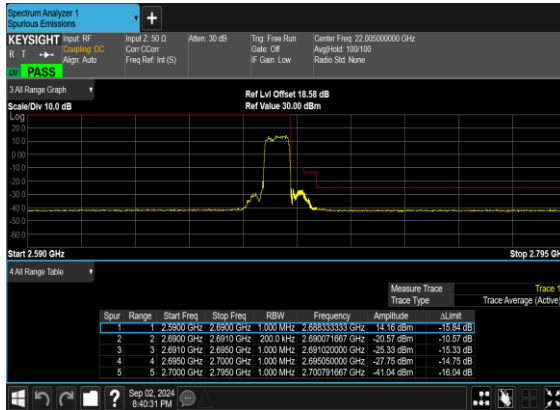
N41(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



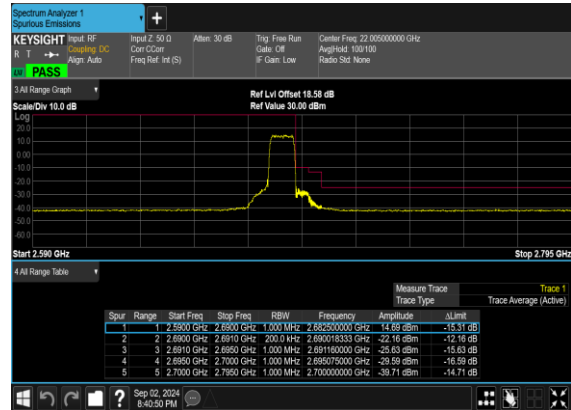
N41(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N41(10M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

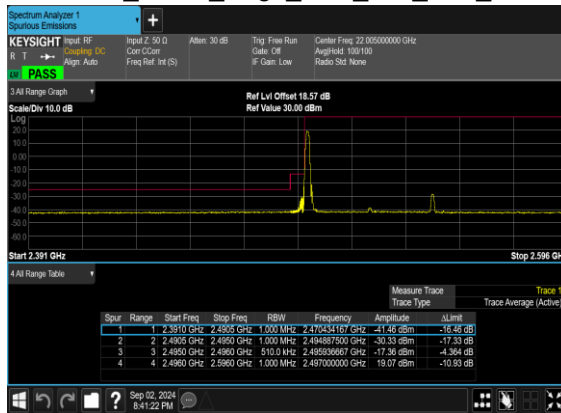


N41(10M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

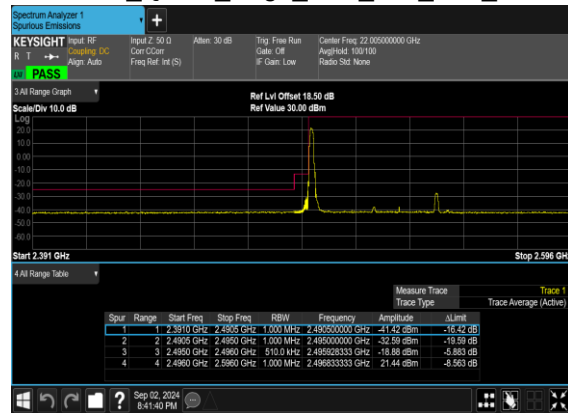




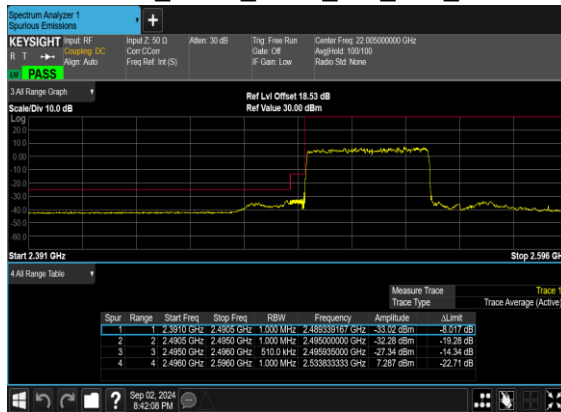
N41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



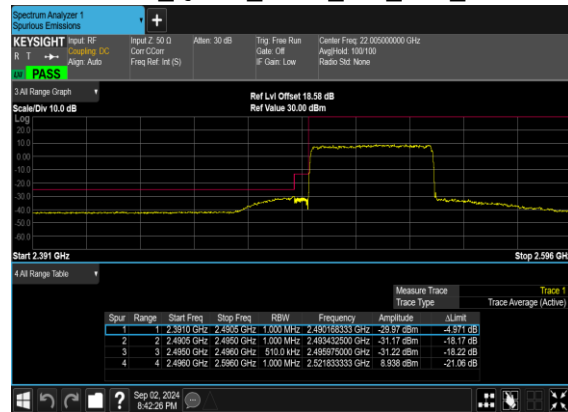
N41(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N41(50M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

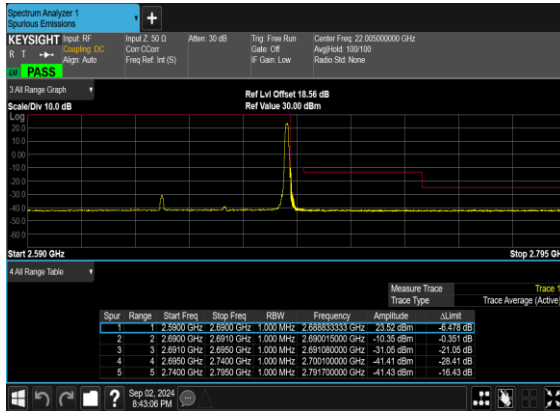


N41(50M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

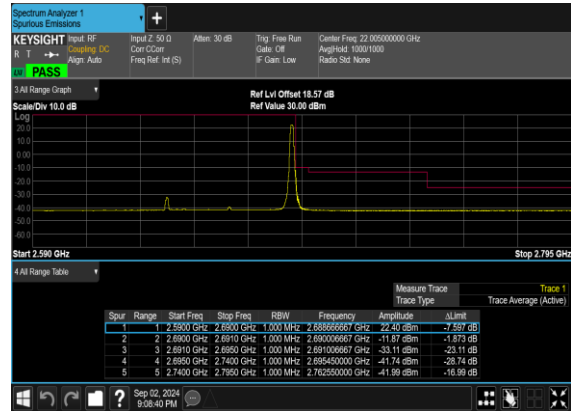




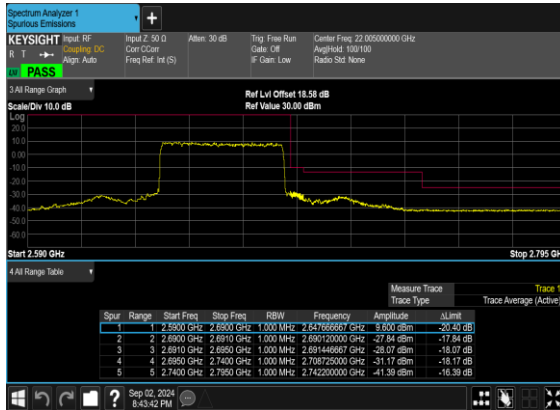
N41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



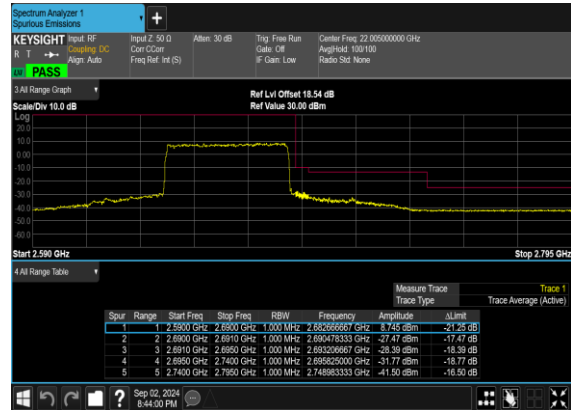
N41(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N41(50M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

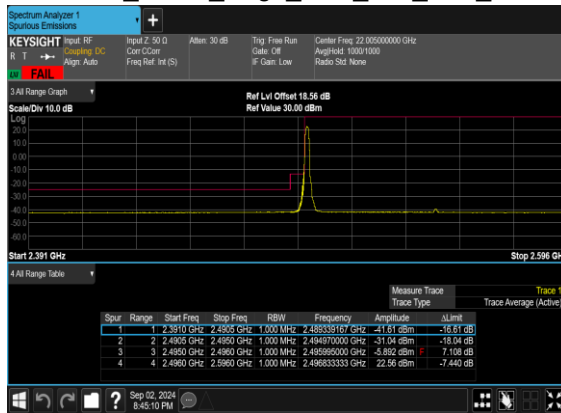


N41(50M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

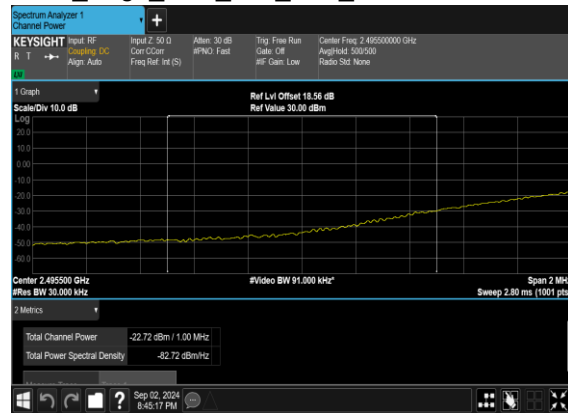




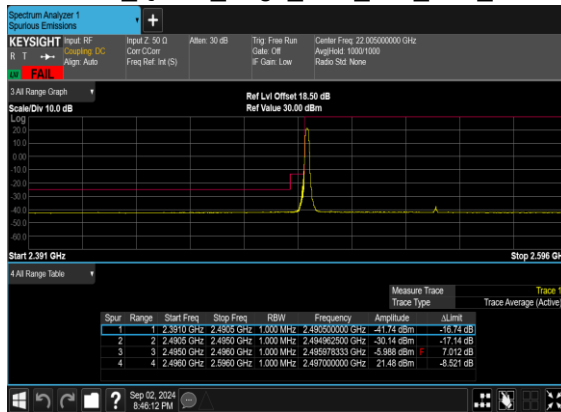
N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



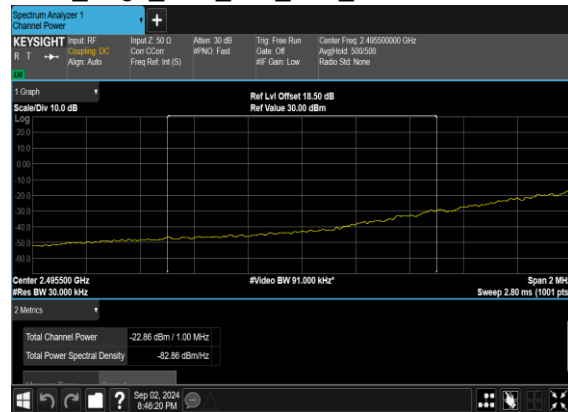
N41(100M)_DFT-s-OFDM_BPSK
Edge_1RB_Left_Low_CH_CHP_PASS



N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

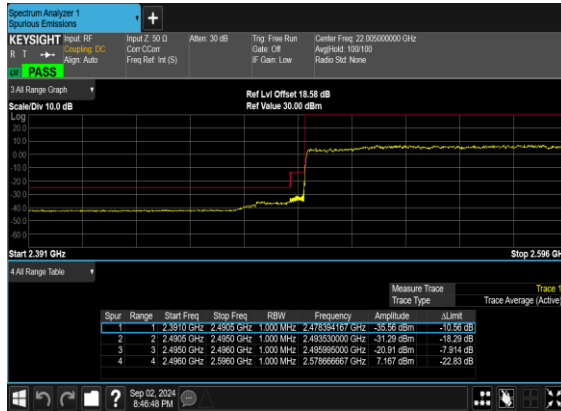


N41(100M)_DFT-s-OFDM_QPSK
Edge_1RB_Left_Low_CH_CHP_PASS

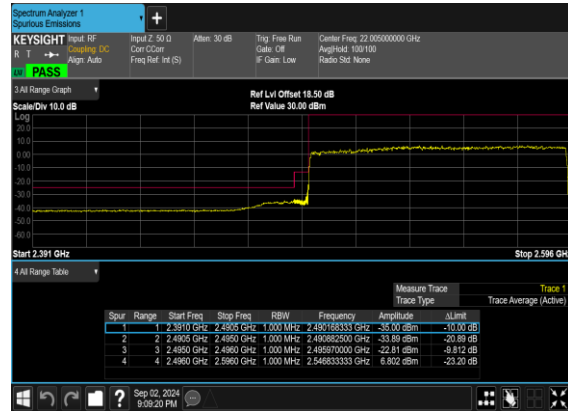




N41(100M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



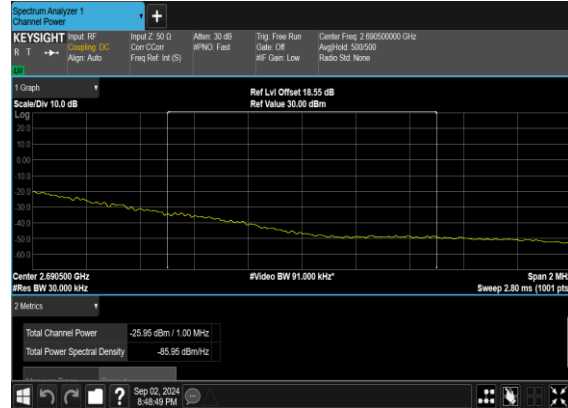
N41(100M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH

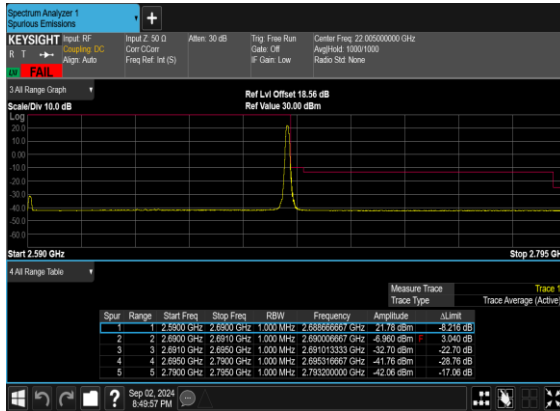


N41(100M)_DFT-s-OFDM_BPSK
_Edge_1RB_Right_High_CH_CHP_PASS

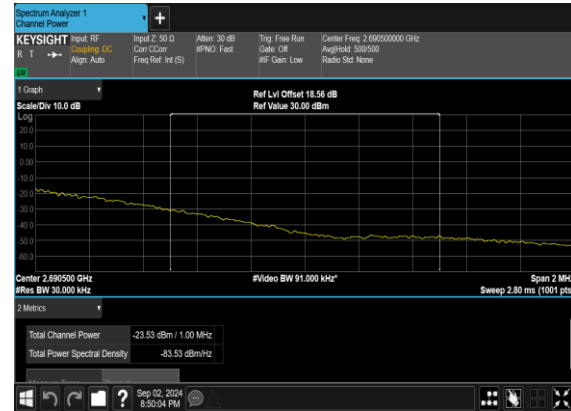




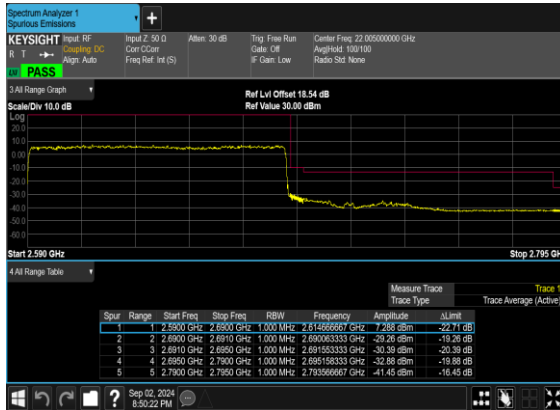
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



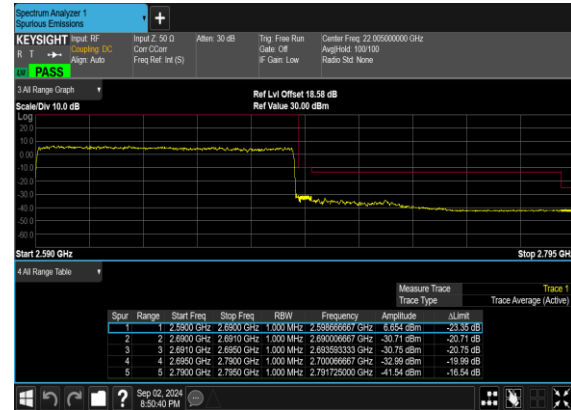
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_chp_PASS



N41(100M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N41(100M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH





Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Zhaohui Liang	Temperature :	22~25℃
		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 40MHz / QPSK(ANT0)									
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	5032.00	-60.08	-25	-35.08	-82.12	-65.64	7.14	12.70	H
	7548.00	-55.71	-25	-30.71	-82.46	-59.01	8.30	11.60	H
	10064.00	-51.10	-25	-26.10	-82.55	-52.62	10.48	12.00	H
	5032.00	-58.34	-25	-33.34	-80.47	-63.90	7.14	12.70	V
	7548.00	-55.60	-25	-30.60	-82.32	-58.90	8.30	11.60	V
	10064.00	-52.58	-25	-27.58	-82.51	-54.10	10.48	12.00	V

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

n41 SA / NR 100MHz / QPSK(ANT0)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5090.00	-61.24	-25	-36.24	-83.16	-66.80	7.14	12.70	H
	7635.00	-55.56	-25	-30.56	-82.20	-58.86	8.30	11.60	H
	10180.00	-51.67	-25	-26.67	-82.98	-53.19	10.48	12.00	H
	5090.00	-61.08	-25	-36.08	-83.18	-66.64	7.14	12.70	V
	7635.00	-55.65	-25	-30.65	-82.21	-58.95	8.30	11.60	V
	10180.00	-52.52	-25	-27.52	-82.58	-54.04	10.48	12.00	V

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

n41 UL MIMO SA / NR 100MHz / QPSK(ANT0+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)
Middle	5090.00	-59.89	-25	-34.89	-81.81	-65.45	7.14	12.70	H
	7635.00	-53.37	-25	-28.37	-80.01	-56.67	8.30	11.60	H
	10180.00	-45.31	-25	-20.31	-76.62	-46.83	10.48	12.00	H
	5090.00	-57.53	-25	-32.53	-79.63	-63.09	7.14	12.70	V
	7635.00	-51.95	-25	-26.95	-78.51	-55.25	8.30	11.60	V
	10180.00	-42.19	-25	-17.19	-72.25	-43.71	10.48	12.00	V

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