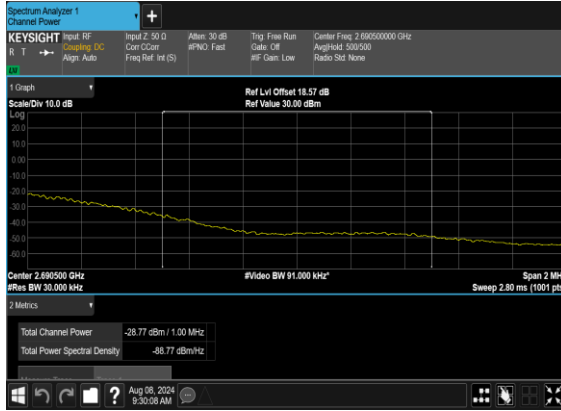
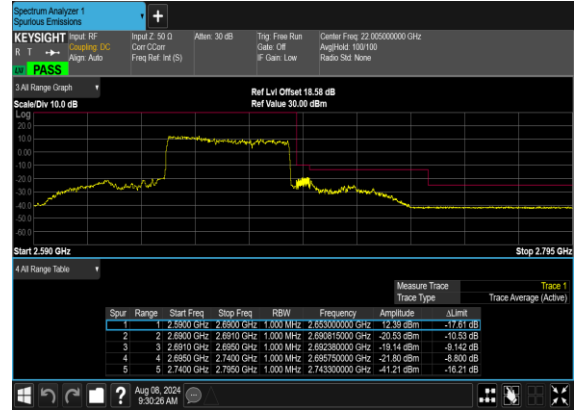




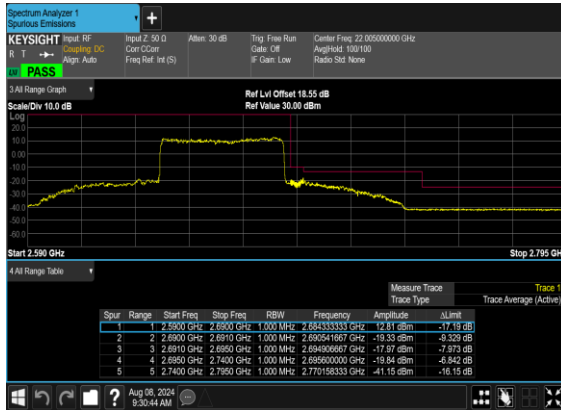
N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_PASS



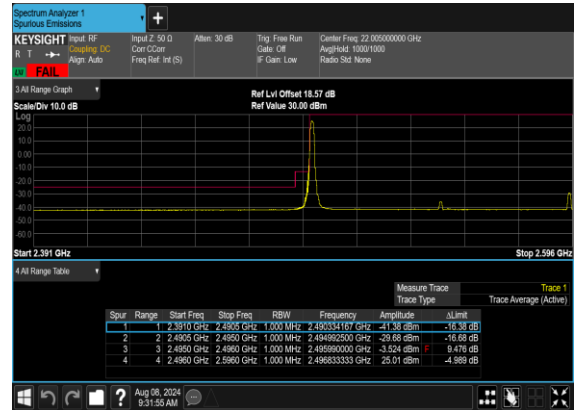
N41(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N41(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

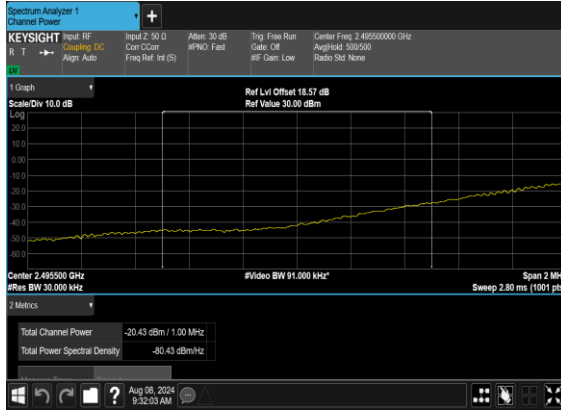


N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

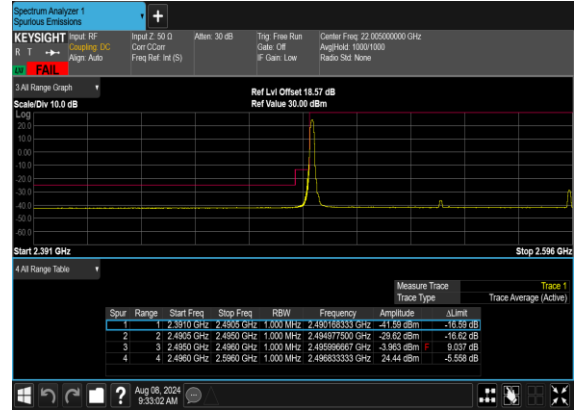




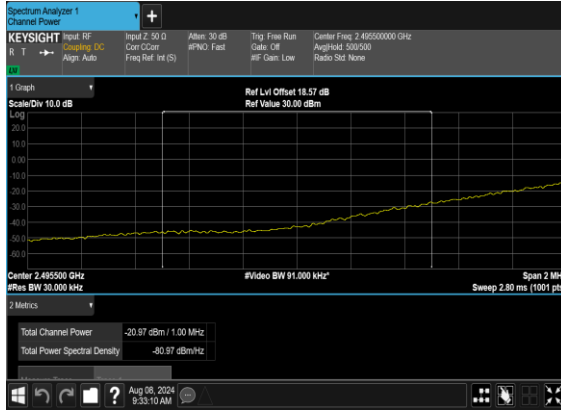
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PASS



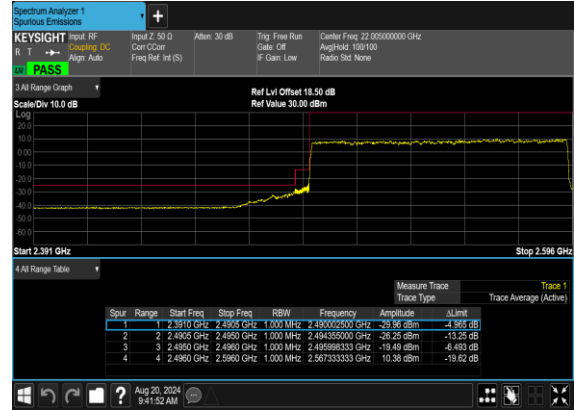
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS

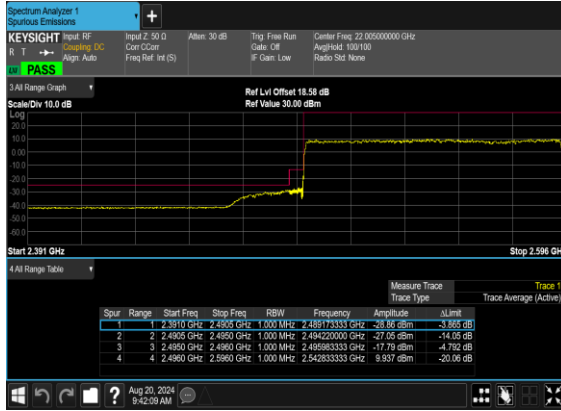


N41(100M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

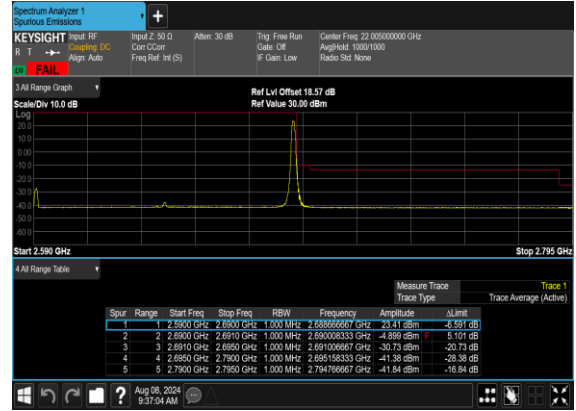




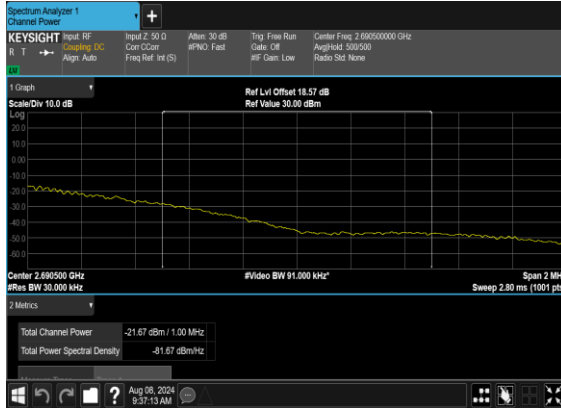
N41(100M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



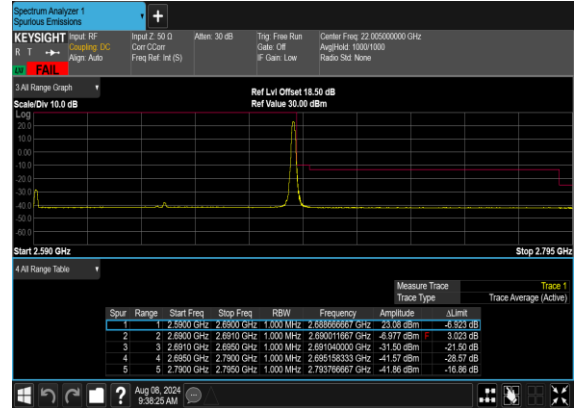
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_CHP_PASS

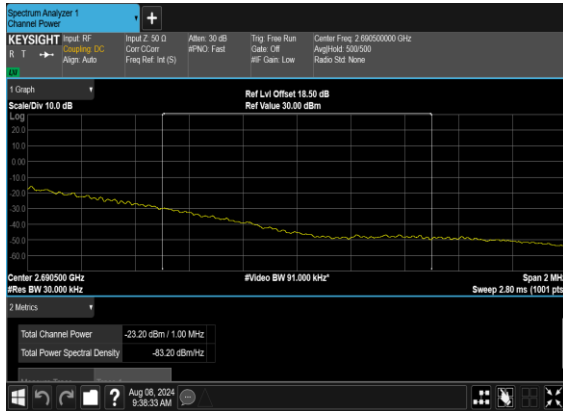


N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

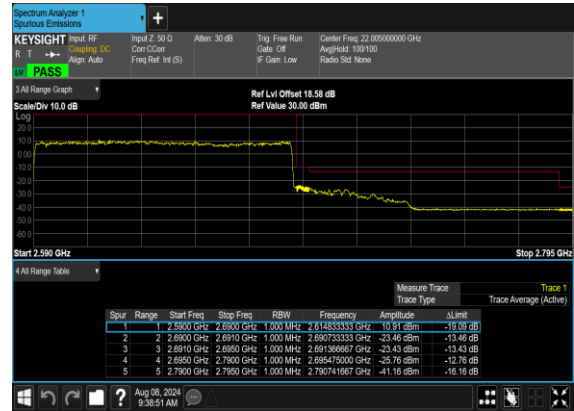




N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_PASS



N41(100M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N41(100M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH





Software Version: 23.06.1602

FR1 N41 MIMO-ANT(1+8)_ANT8

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0034	PASS	NV
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0025	PASS	LV
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0024	PASS	HV
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0061	PASS	-30°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0054	PASS	-20°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0047	PASS	-10°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0032	PASS	0°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0053	PASS	10°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0034	PASS	20°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0068	PASS	30°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0034	PASS	40°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0035	PASS	50°C



Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
41	30	20	518598	2592.99	DFT-s-OFDM PI/2 BPSK	50@0	4.1	13	PASS
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	4.55	13	PASS



N41(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH

N41(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH





Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
41	30	10	518598	2592.99	CP-OFDM QPSK	24@0	8.5738	9.686
41	30	10	518598	2592.99	CP-OFDM 16 QAM	24@0	8.5725	9.652
41	30	10	518598	2592.99	CP-OFDM 64 QAM	24@0	8.574	9.233
41	30	10	518598	2592.99	CP-OFDM 256 QAM	24@0	8.5523	9.666
41	30	15	518598	2592.99	CP-OFDM QPSK	38@0	13.641	14.85
41	30	15	518598	2592.99	CP-OFDM 16 QAM	38@0	13.599	14.82
41	30	15	518598	2592.99	CP-OFDM 64 QAM	38@0	13.6	14.82
41	30	15	518598	2592.99	CP-OFDM 256 QAM	38@0	13.633	14.62
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	18.215	19.44
41	30	20	518598	2592.99	CP-OFDM 16 QAM	51@0	18.292	19.4
41	30	20	518598	2592.99	CP-OFDM 64 QAM	51@0	18.155	19.36
41	30	20	518598	2592.99	CP-OFDM 256 QAM	51@0	18.224	19.34
41	30	25	518598	2592.99	CP-OFDM QPSK	65@0	23.207	24.88
41	30	25	518598	2592.99	CP-OFDM 16 QAM	65@0	23.277	24.8
41	30	25	518598	2592.99	CP-OFDM 64 QAM	65@0	23.191	24.65
41	30	25	518598	2592.99	CP-OFDM 256 QAM	65@0	23.207	24.39
41	30	30	518598	2592.99	CP-OFDM QPSK	78@0	27.834	29.28
41	30	30	518598	2592.99	CP-OFDM 16 QAM	78@0	27.848	29.58
41	30	30	518598	2592.99	CP-OFDM 64 QAM	78@0	27.902	29.3
41	30	30	518598	2592.99	CP-OFDM 256 QAM	78@0	27.81	29.54
41	30	40	518598	2592.99	CP-OFDM QPSK	106@0	37.785	39.15
41	30	40	518598	2592.99	CP-OFDM 16 QAM	106@0	37.961	39.5



41	30	40	518598	2592.99	CP-OFDM 64 QAM	106@0	37.848	39.59
41	30	40	518598	2592.99	CP-OFDM 256 QAM	106@0	37.842	39.16
41	30	50	518598	2592.99	CP-OFDM QPSK	133@0	47.592	49.1
41	30	50	518598	2592.99	CP-OFDM 16 QAM	133@0	47.474	49.16
41	30	50	518598	2592.99	CP-OFDM 64 QAM	133@0	47.503	49.34
41	30	50	518598	2592.99	CP-OFDM 256 QAM	133@0	47.497	48.93
41	30	60	518598	2592.99	CP-OFDM QPSK	162@0	57.92	59.75
41	30	60	518598	2592.99	CP-OFDM 16 QAM	162@0	57.851	59.66
41	30	60	518598	2592.99	CP-OFDM 64 QAM	162@0	57.868	59.73
41	30	60	518598	2592.99	CP-OFDM 256 QAM	162@0	57.763	59.67
41	30	70	518598	2592.99	CP-OFDM QPSK	189@0	67.412	69.69
41	30	70	518598	2592.99	CP-OFDM 16 QAM	189@0	67.303	69.78
41	30	70	518598	2592.99	CP-OFDM 64 QAM	189@0	67.664	70.03
41	30	70	518598	2592.99	CP-OFDM 256 QAM	189@0	67.693	69.65
41	30	80	518598	2592.99	CP-OFDM QPSK	217@0	77.699	80.12
41	30	80	518598	2592.99	CP-OFDM 16 QAM	217@0	77.539	79.97
41	30	80	518598	2592.99	CP-OFDM 64 QAM	217@0	77.568	80.0
41	30	80	518598	2592.99	CP-OFDM 256 QAM	217@0	77.242	79.85
41	30	90	518598	2592.99	CP-OFDM QPSK	245@0	87.504	90.28
41	30	90	518598	2592.99	CP-OFDM 16 QAM	245@0	87.56	90.29
41	30	90	518598	2592.99	CP-OFDM 64 QAM	245@0	87.45	90.2
41	30	90	518598	2592.99	CP-OFDM 256 QAM	245@0	87.504	90.48
41	30	100	518598	2592.99	CP-OFDM QPSK	273@0	97.664	100.7
41	30	100	518598	2592.99	CP-OFDM 16 QAM	273@0	97.649	100.6
41	30	100	518598	2592.99	CP-OFDM 64 QAM	273@0	97.437	100.7



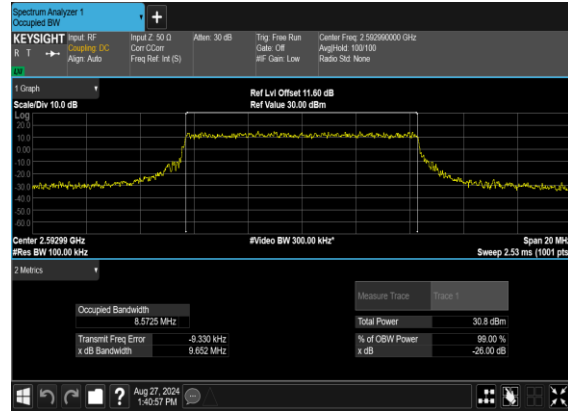
41	30	100	518598	2592.99	CP-OFDM 256 QAM	273@0	97.429	100.5
----	----	-----	--------	---------	--------------------	-------	--------	-------



N41(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N41(10M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N41(10M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

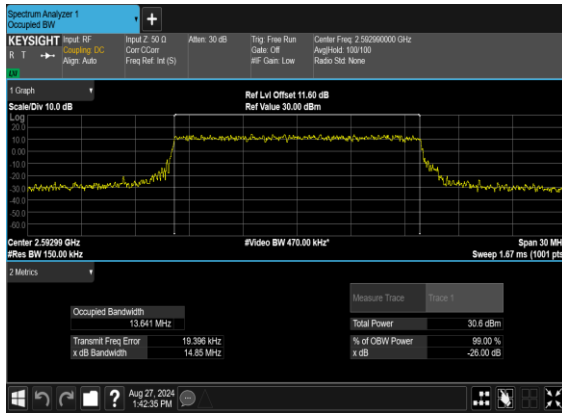


N41(10M)_CP-OFDM_256QAM_Outer_Full_Mid_CH





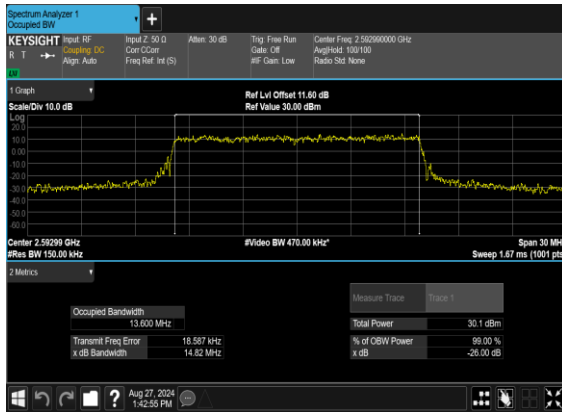
N41(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



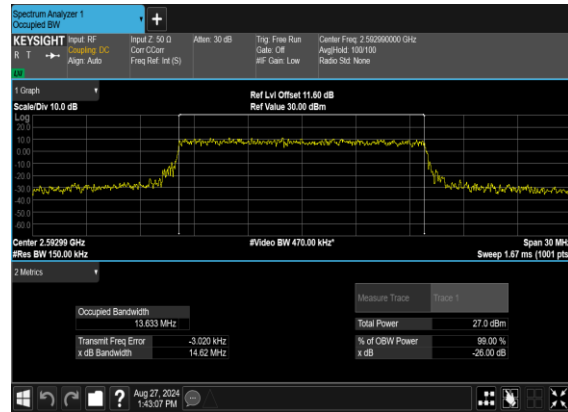
N41(15M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N41(15M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

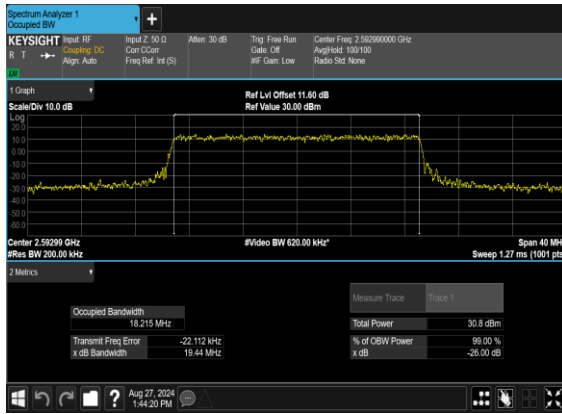


N41(15M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

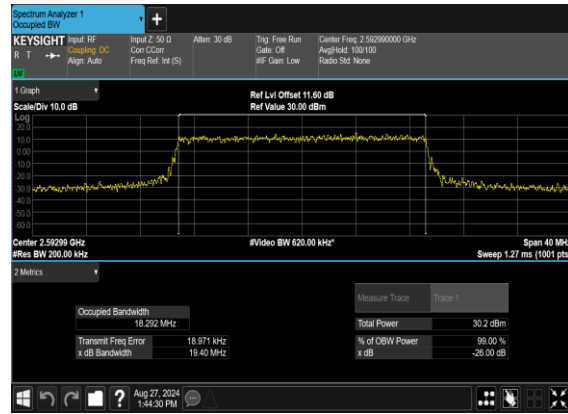




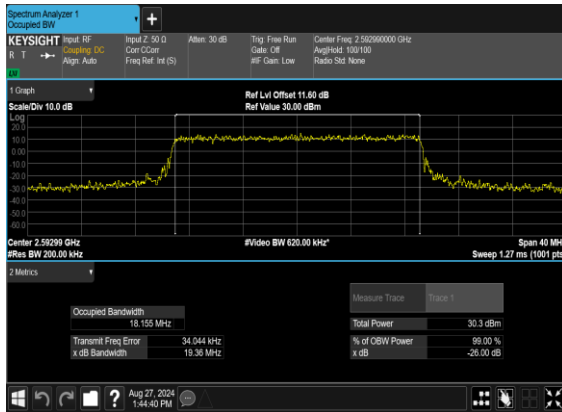
N41(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



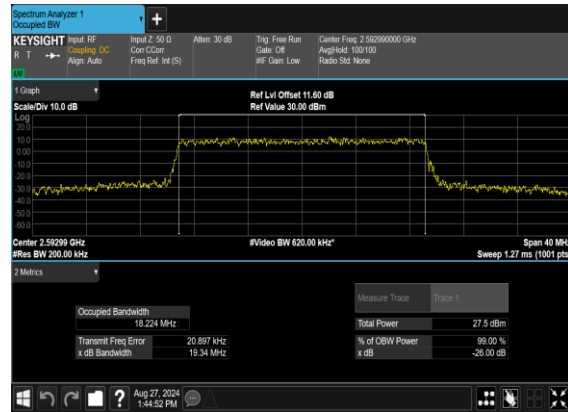
N41(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N41(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

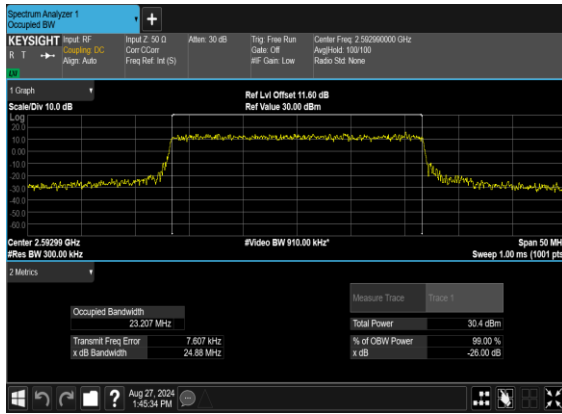


N41(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH





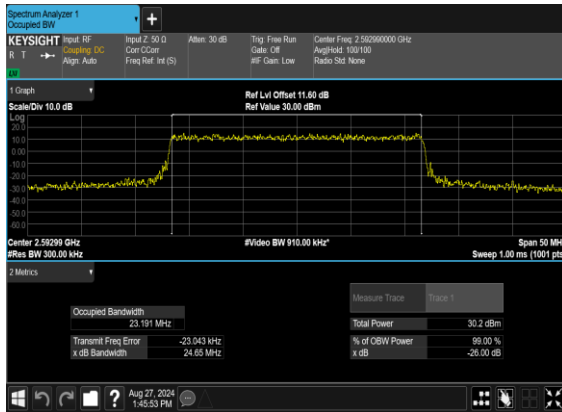
N41(25M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



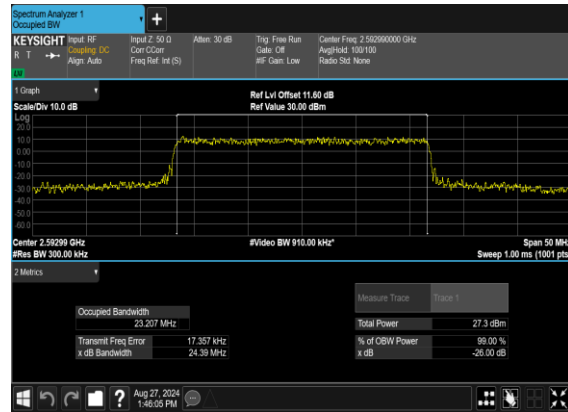
N41(25M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N41(25M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

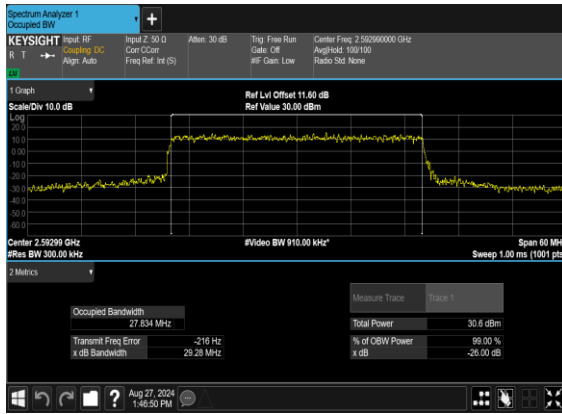


N41(25M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

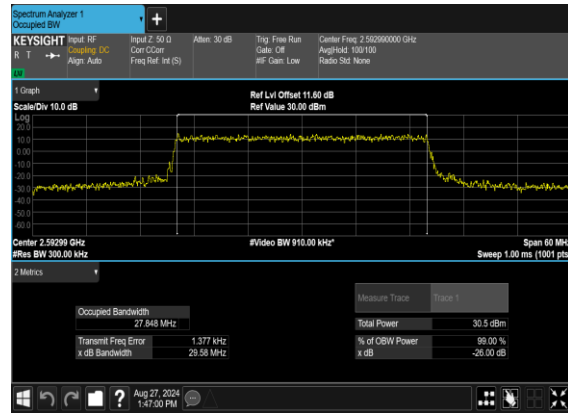




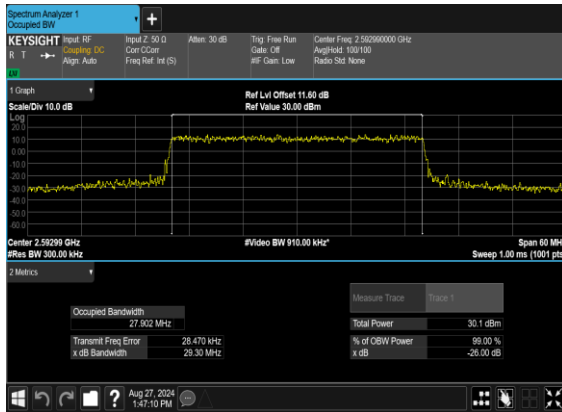
N41(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



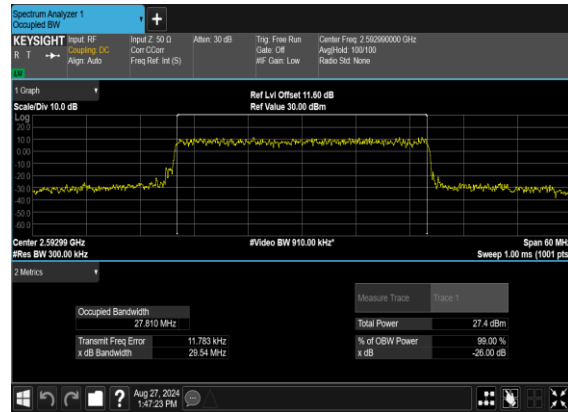
N41(30M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N41(30M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

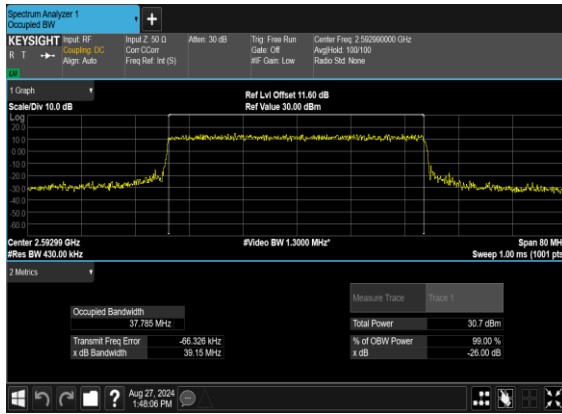


N41(30M)_CP-OFDM_256QAM_Outer_Full_Mid_CH





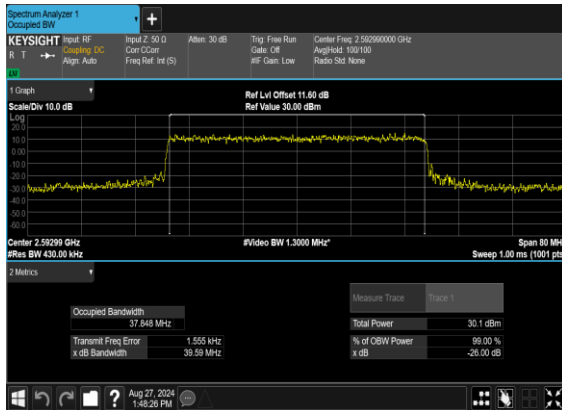
N41(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



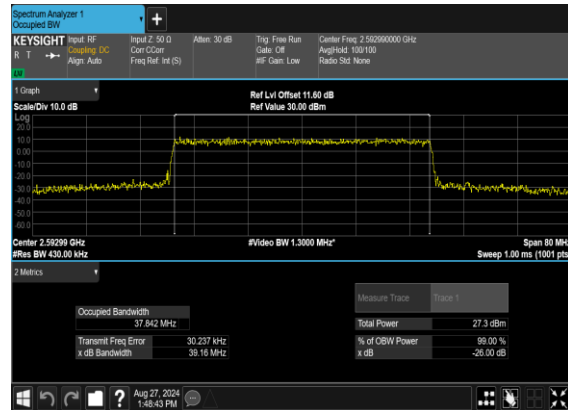
N41(40M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N41(40M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

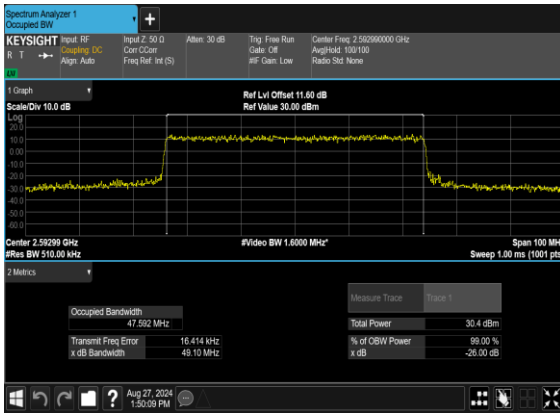


N41(40M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

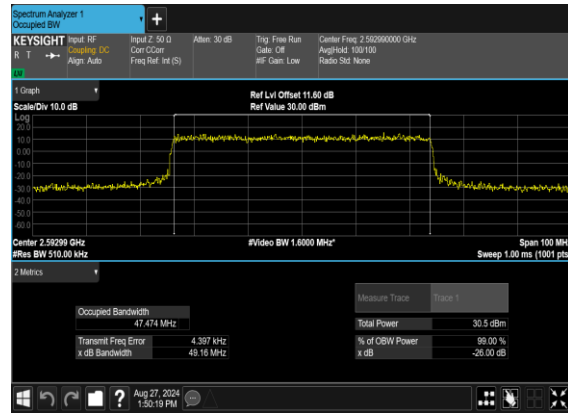




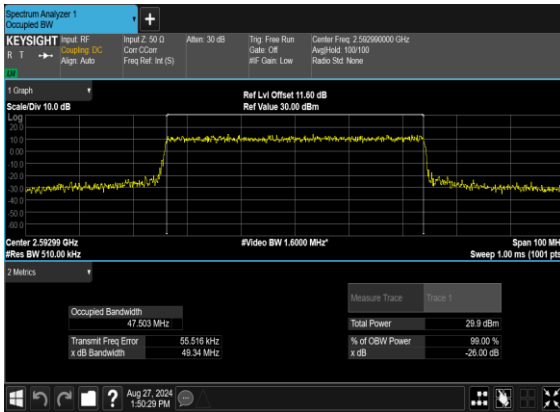
N41(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



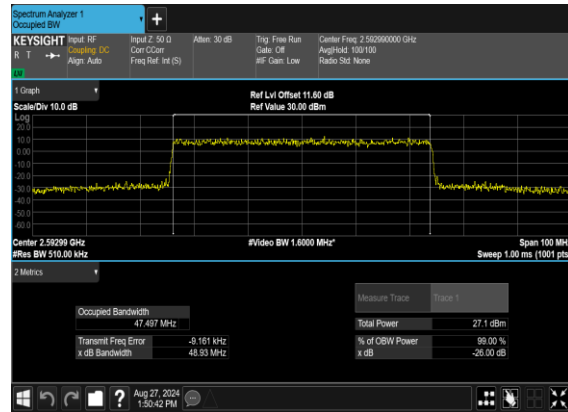
N41(50M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N41(50M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

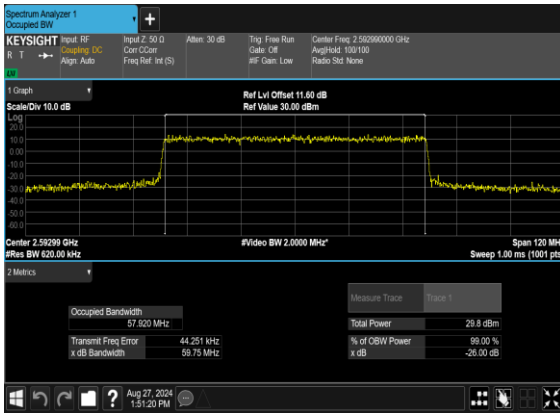


N41(50M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

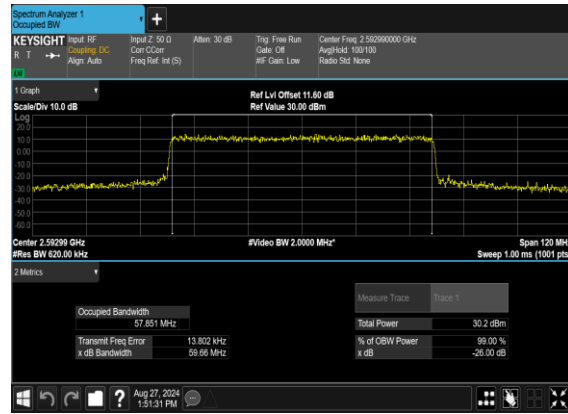




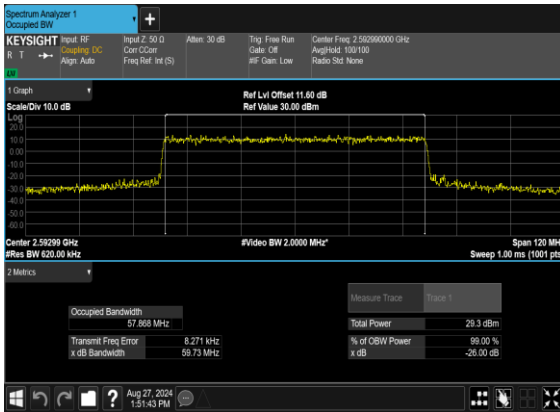
N41(60M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



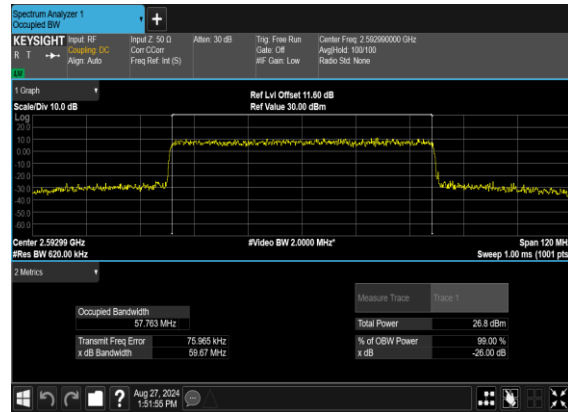
N41(60M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N41(60M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

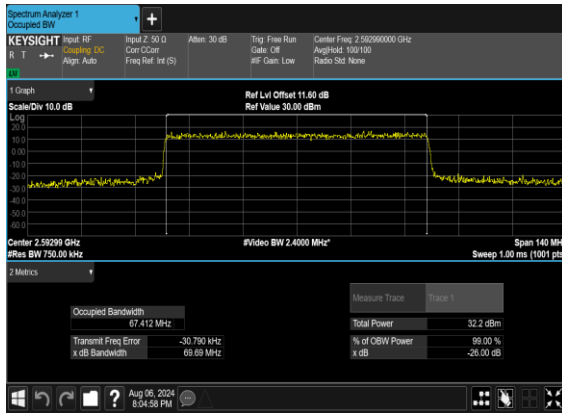


N41(60M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

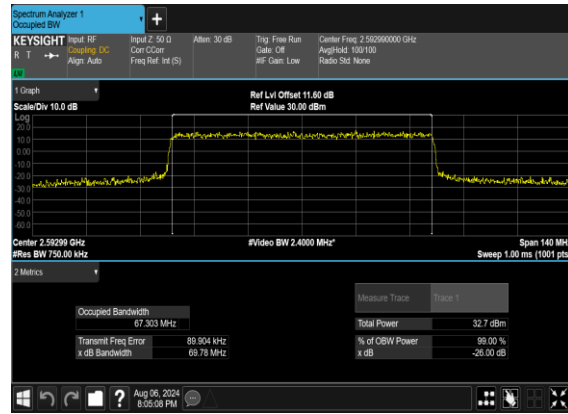




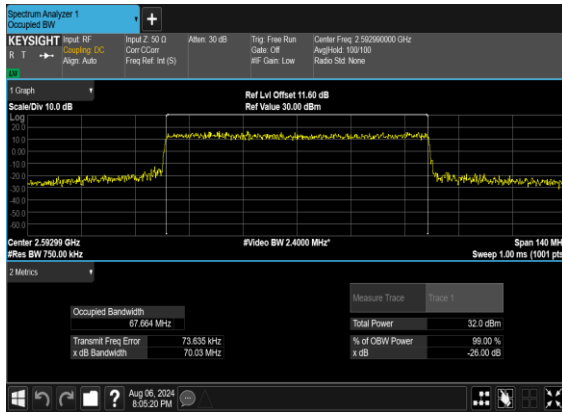
N41(70M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



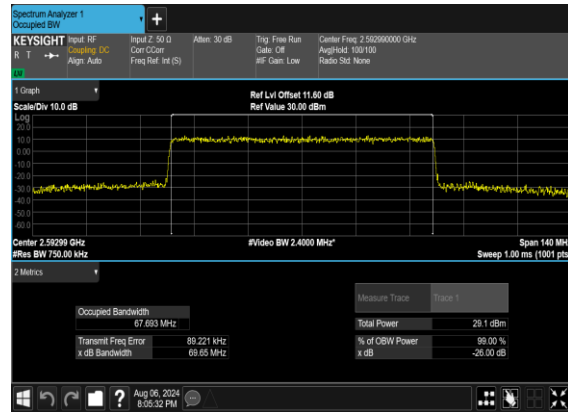
N41(70M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N41(70M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

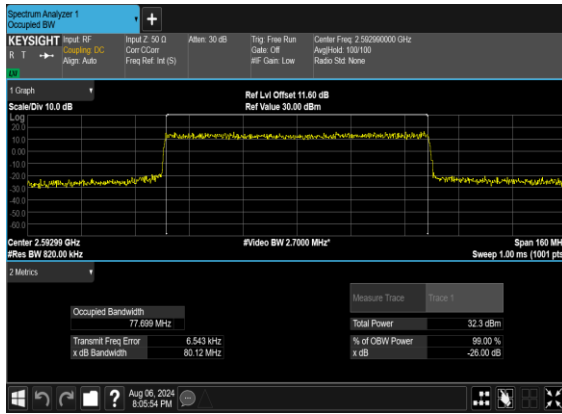


N41(70M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

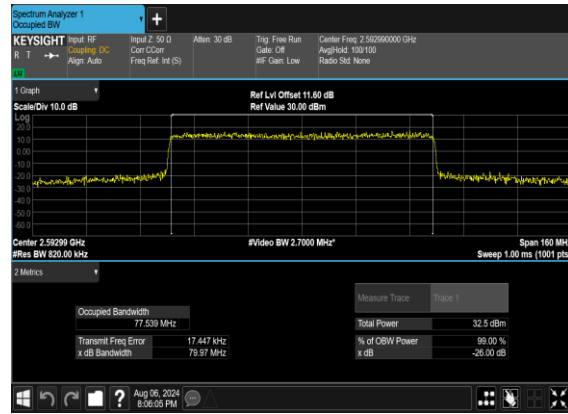




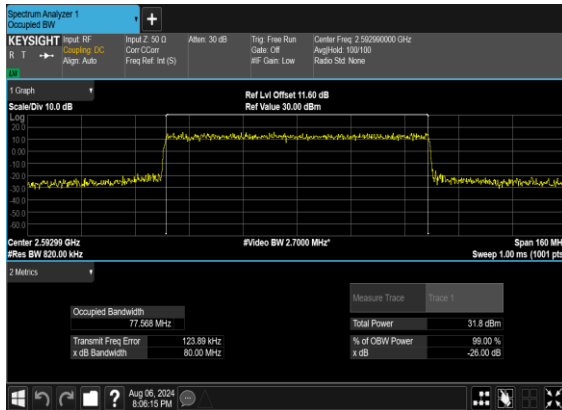
N41(80M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



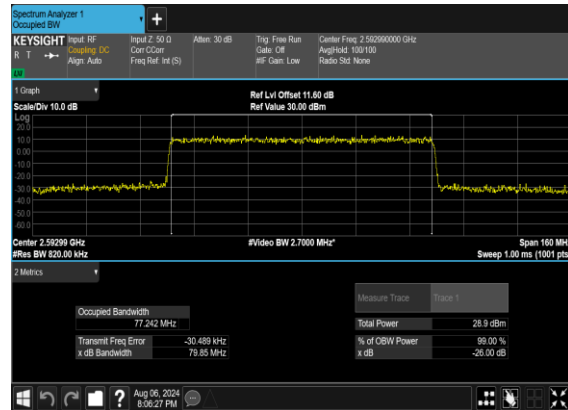
N41(80M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N41(80M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

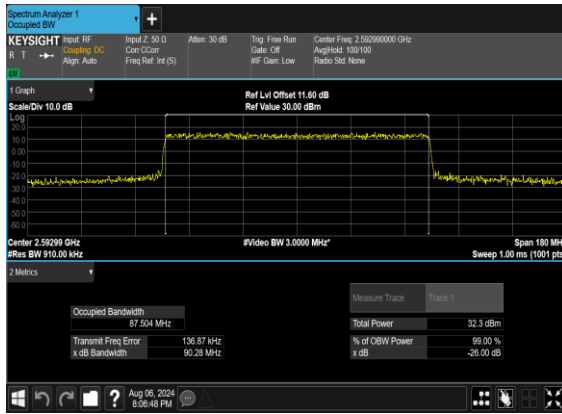


N41(80M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

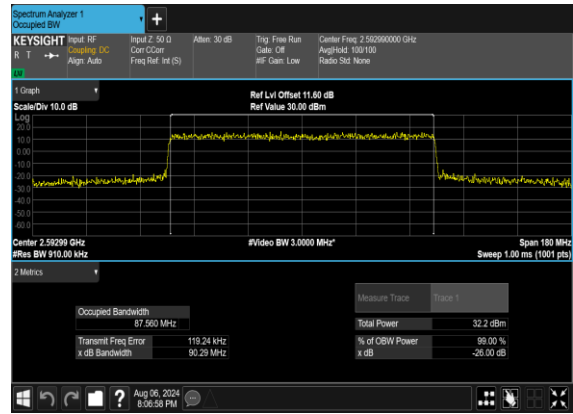




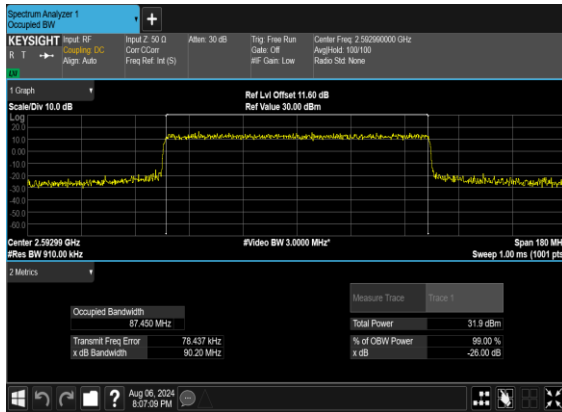
N41(90M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



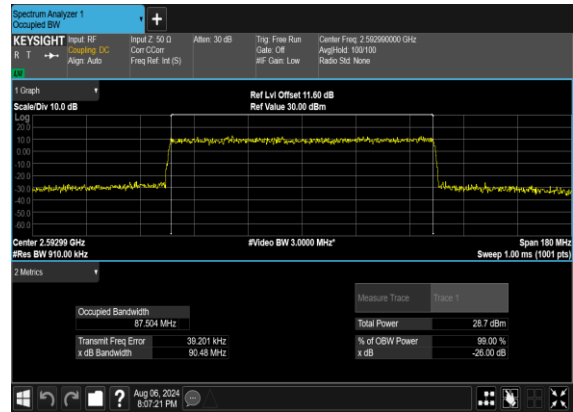
N41(90M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N41(90M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

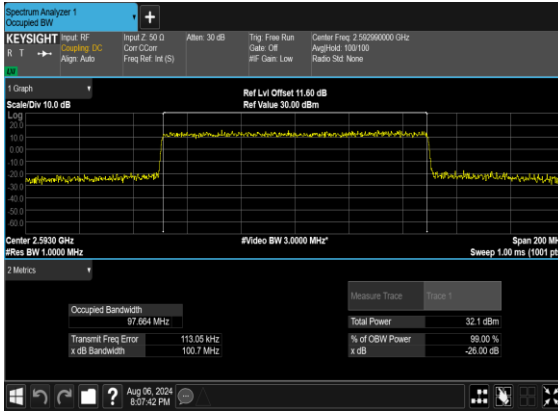


N41(90M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

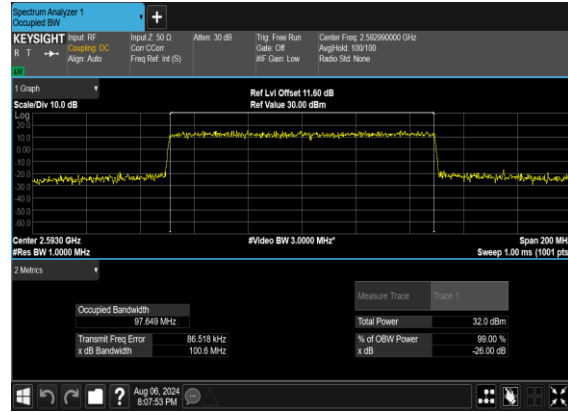




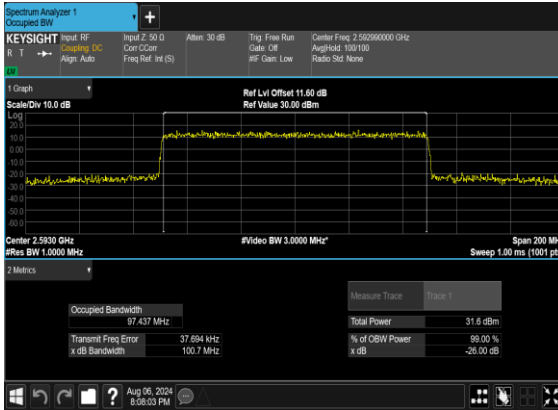
N41(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



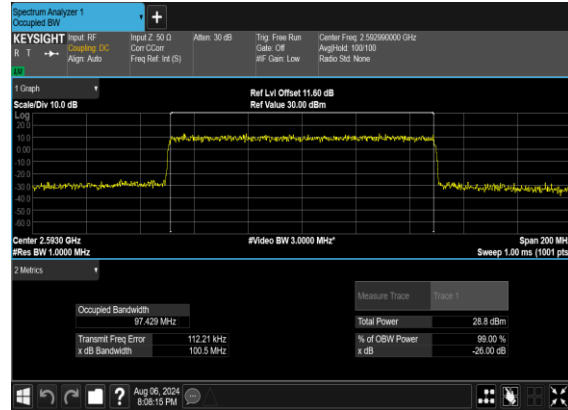
N41(100M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N41(100M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N41(100M)_CP-OFDM_256QAM_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	---



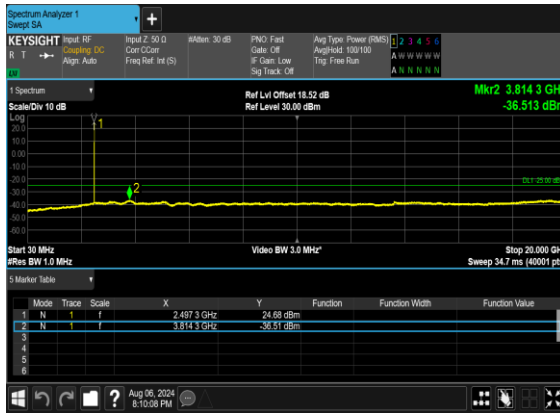
41	30	50	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	50	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	50	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	50	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	50	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	50	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



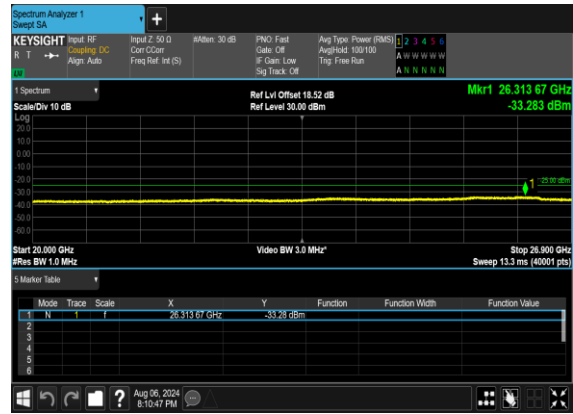
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	100	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



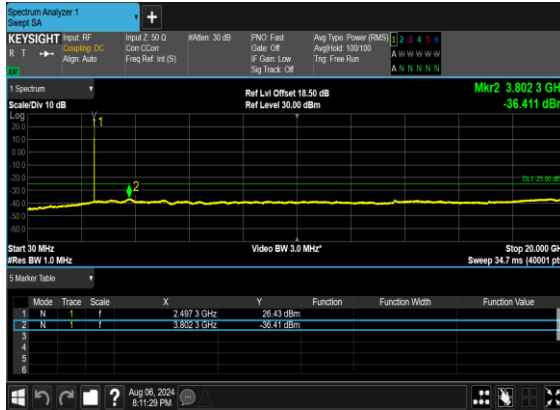
N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



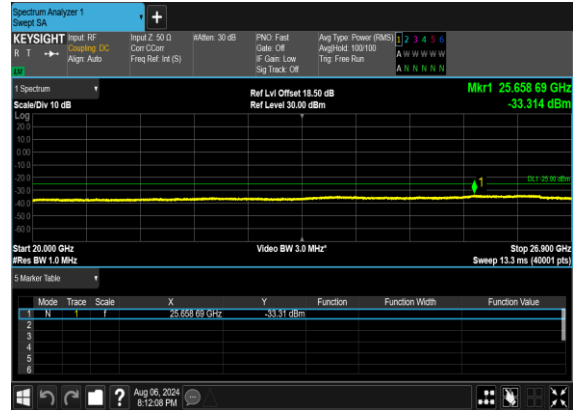
N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

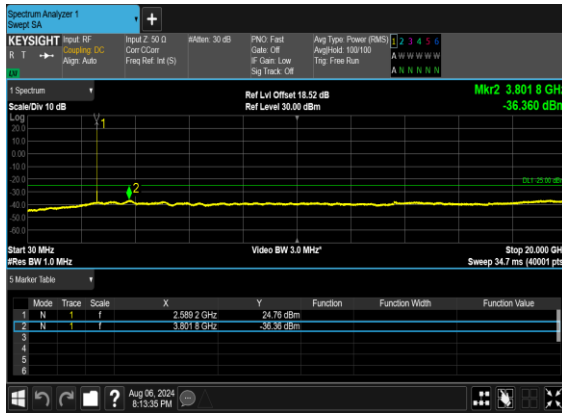


N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

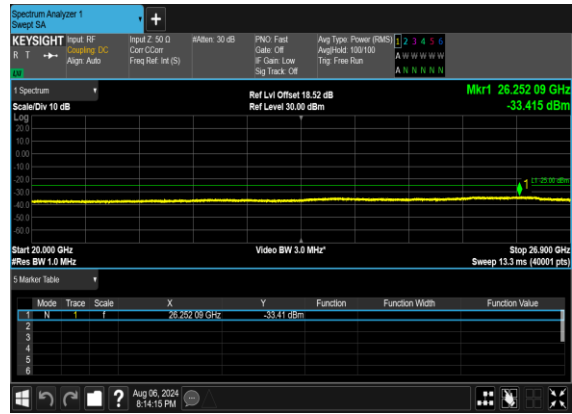




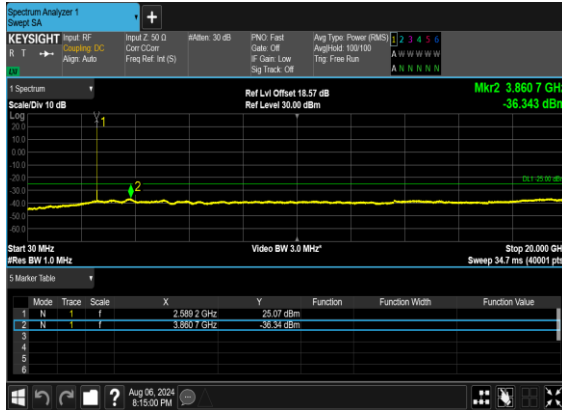
N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



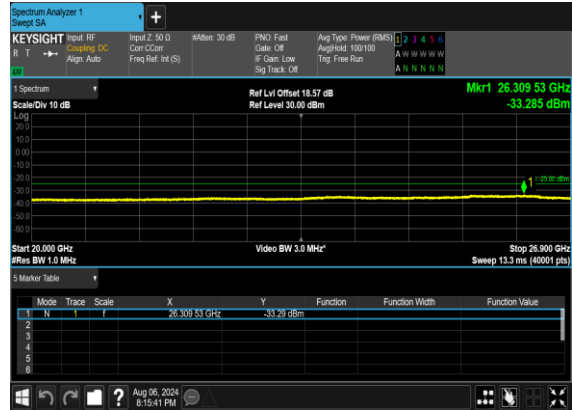
N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

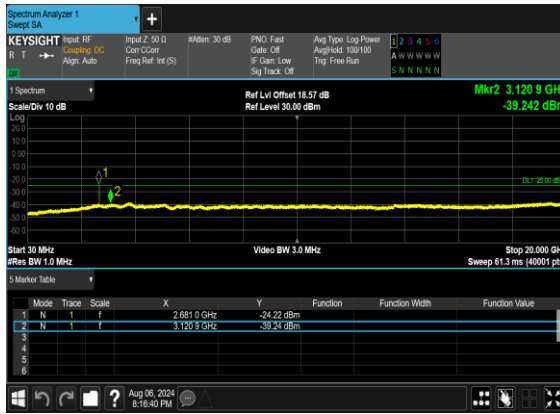


N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

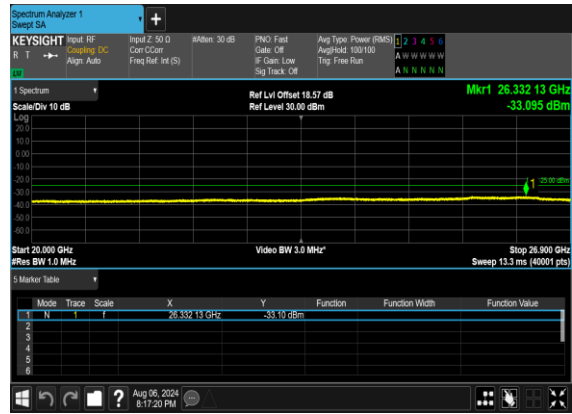




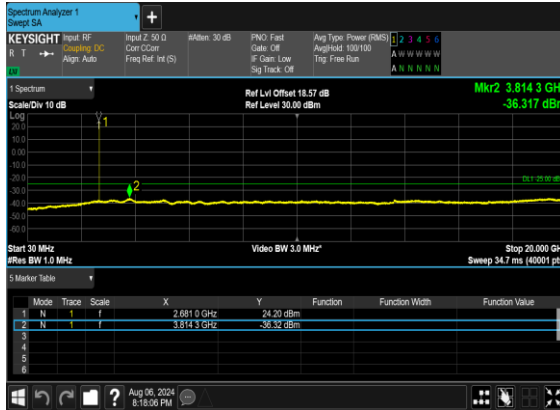
N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



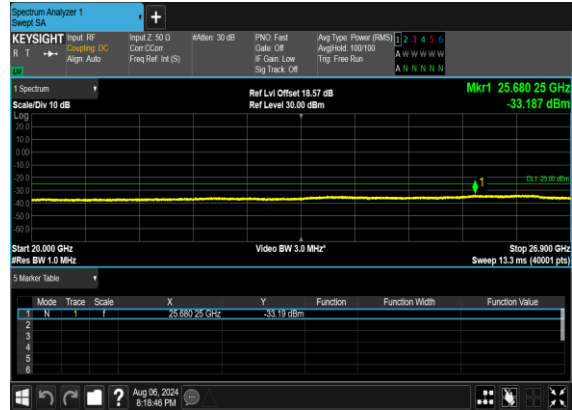
N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

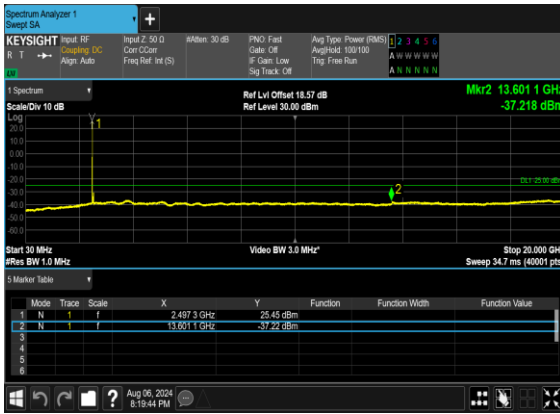


N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

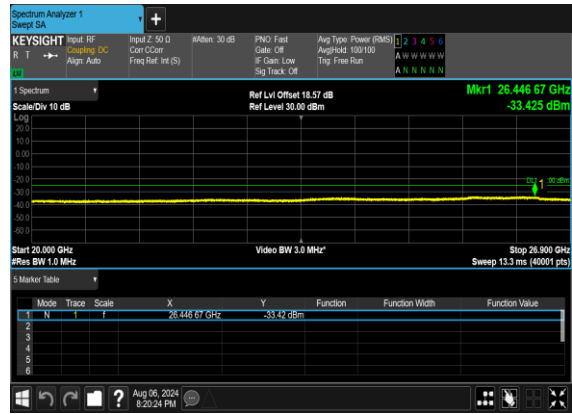




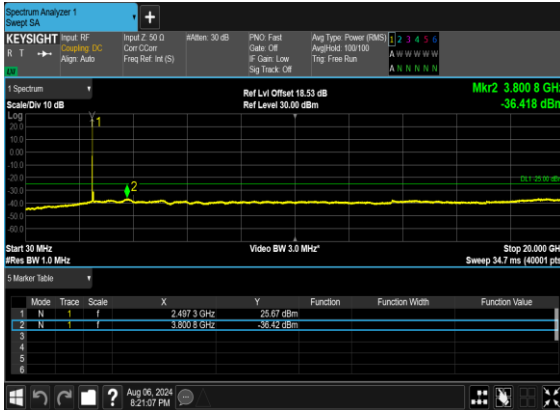
N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



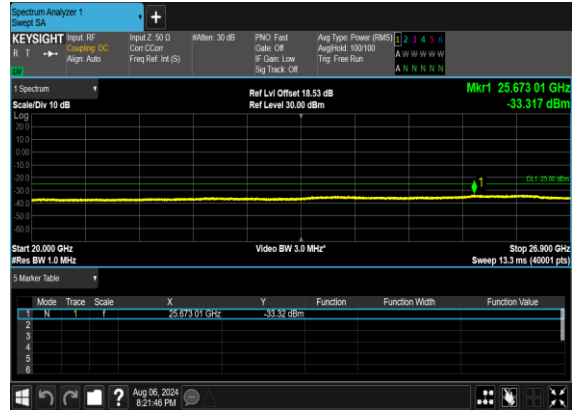
N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

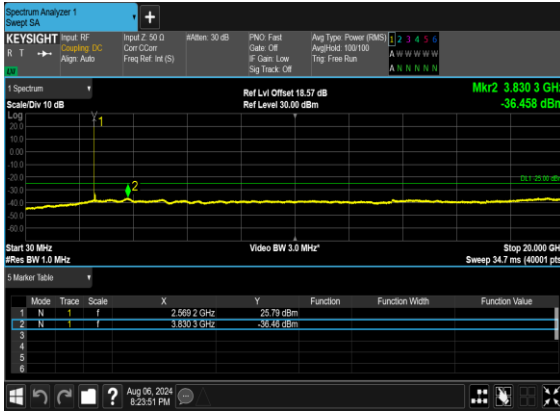


N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

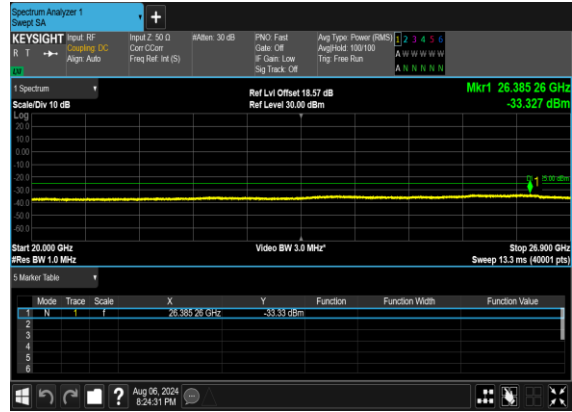




N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



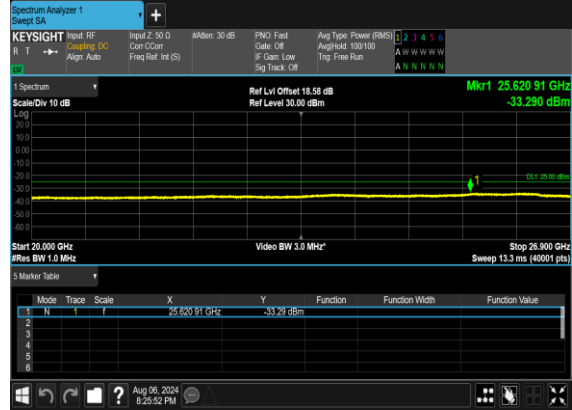
N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

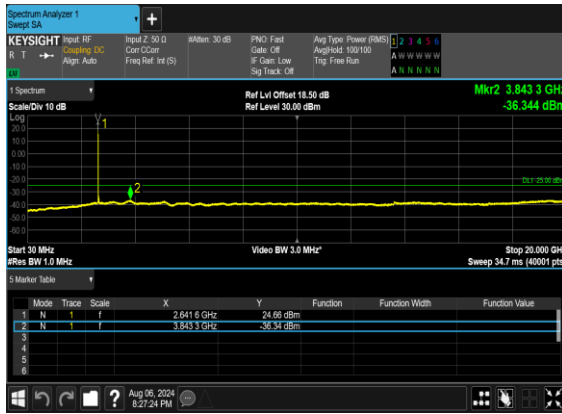


N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

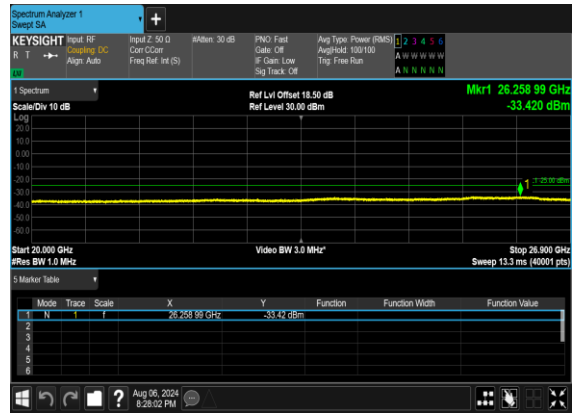




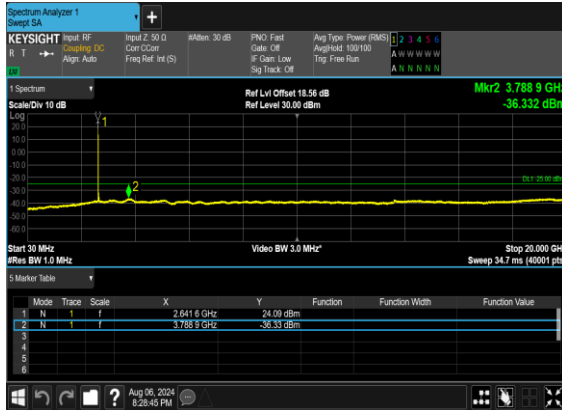
N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



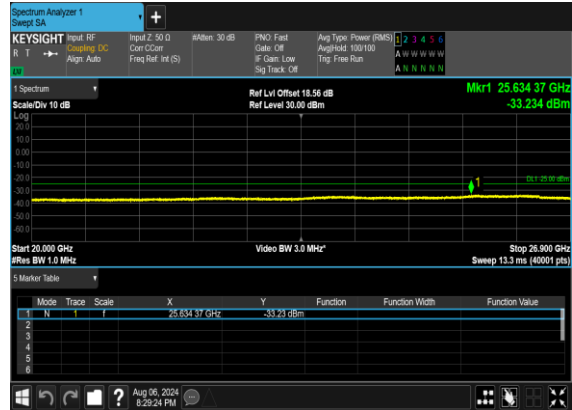
N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

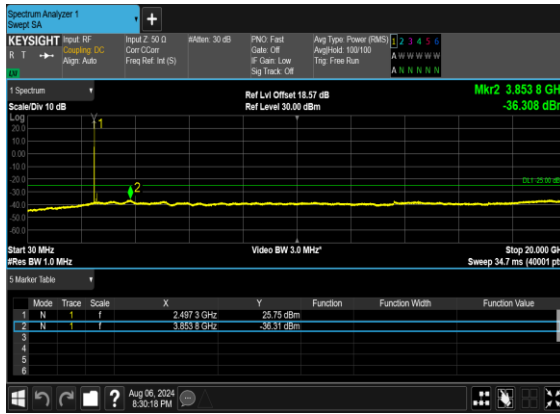


N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

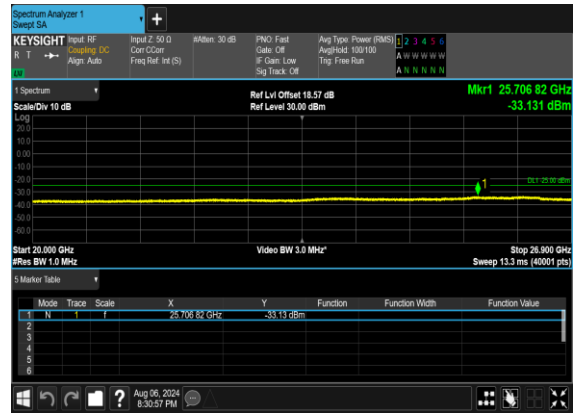




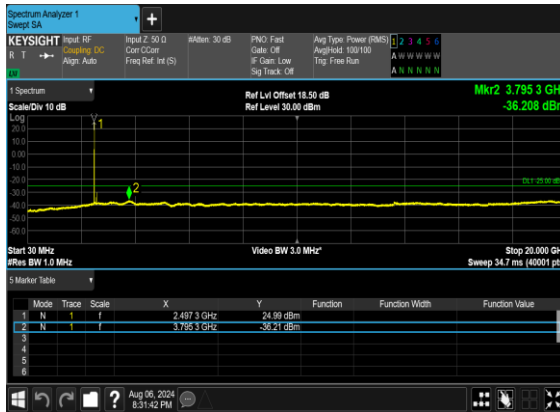
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



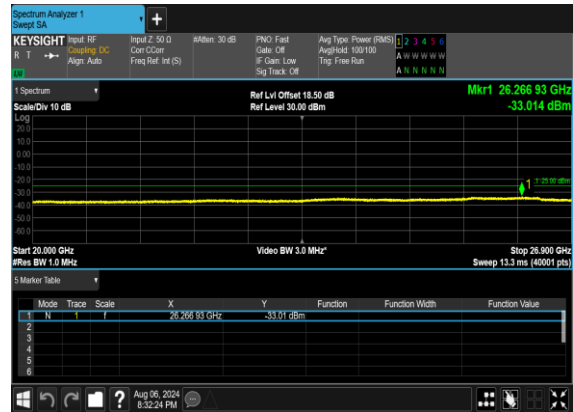
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

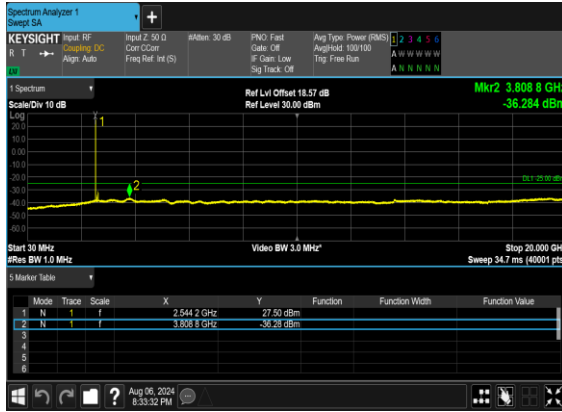


N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

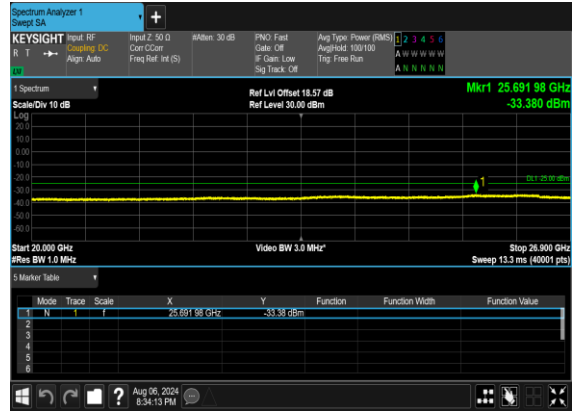




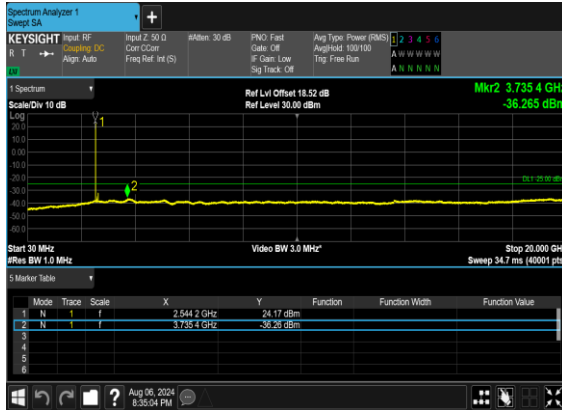
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



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

