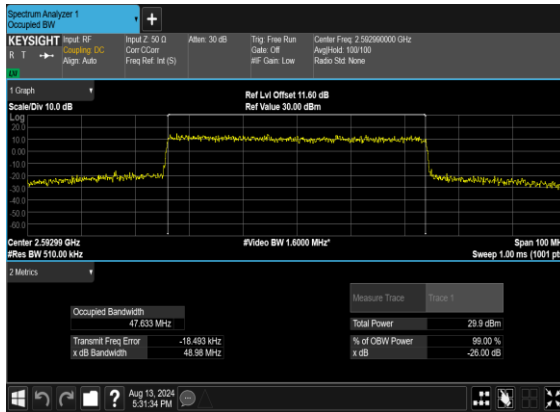
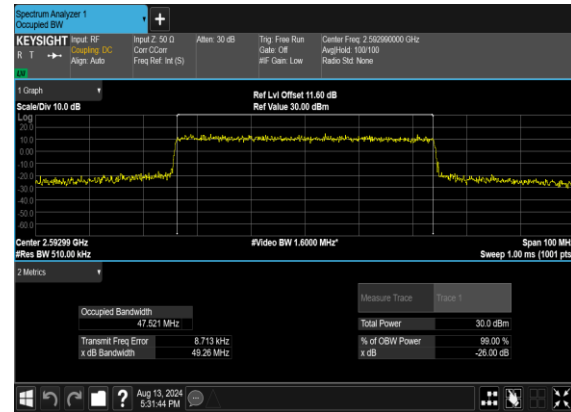




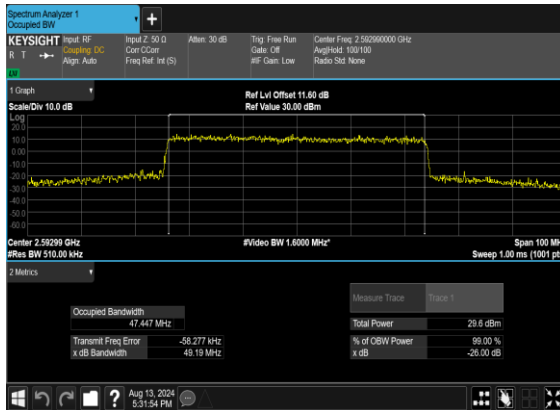
N41(50M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



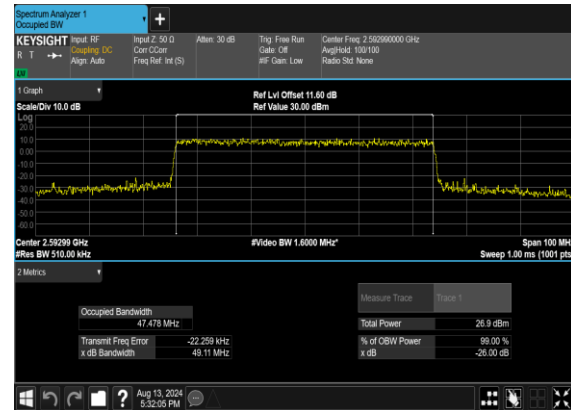
N41(50M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N41(50M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

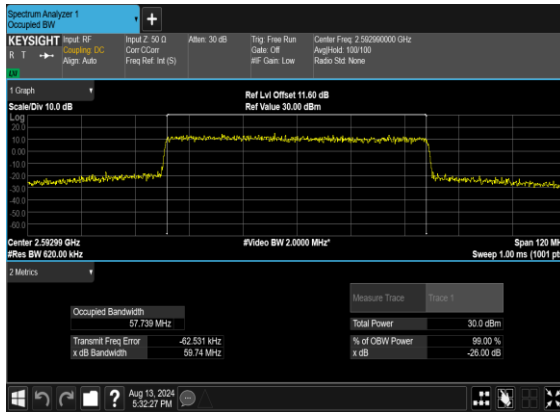


N41(50M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

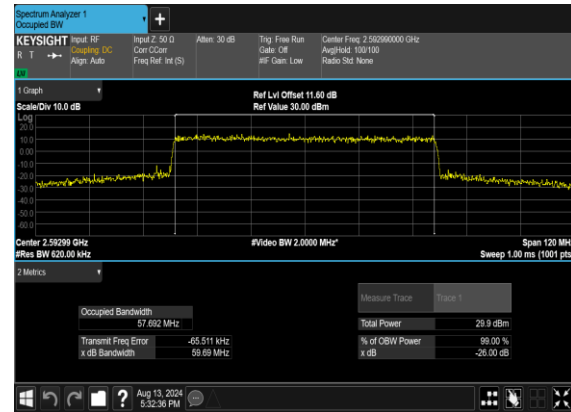




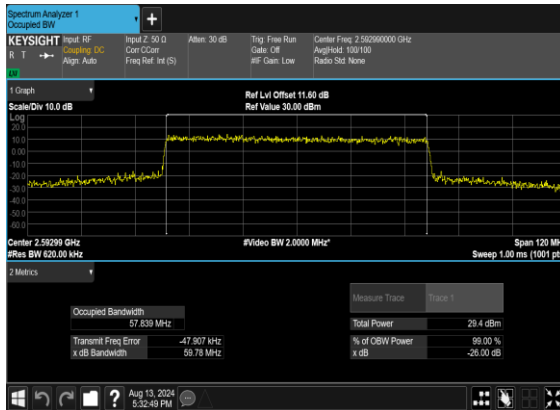
N41(60M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



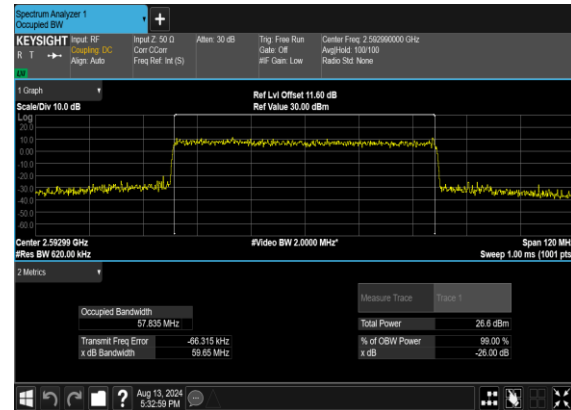
N41(60M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N41(60M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

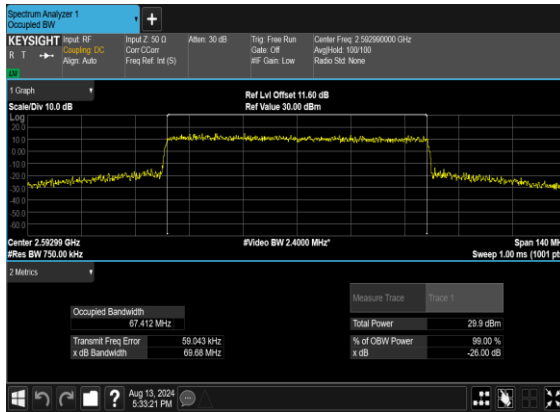


N41(60M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

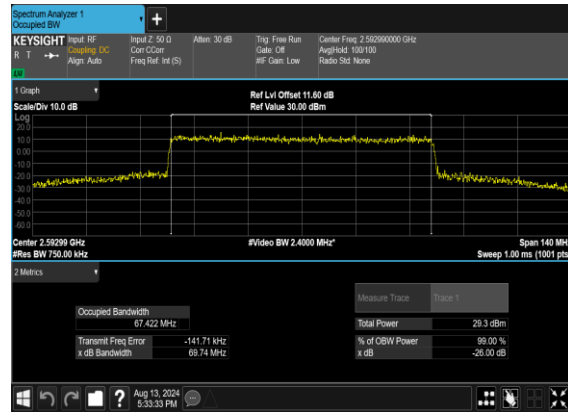




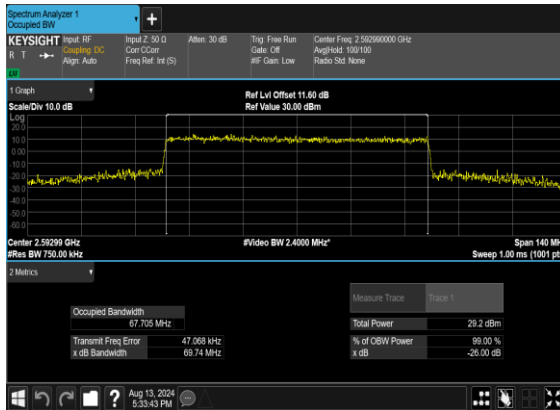
N41(70M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



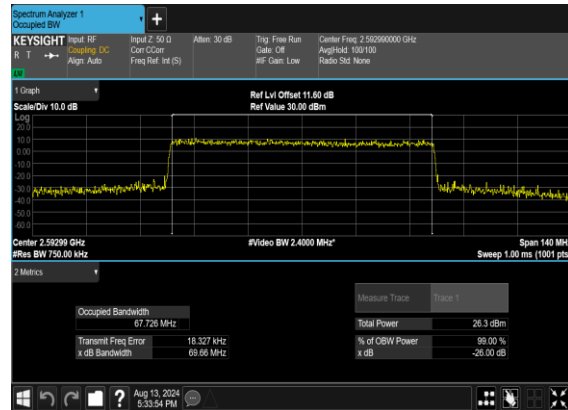
N41(70M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N41(70M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

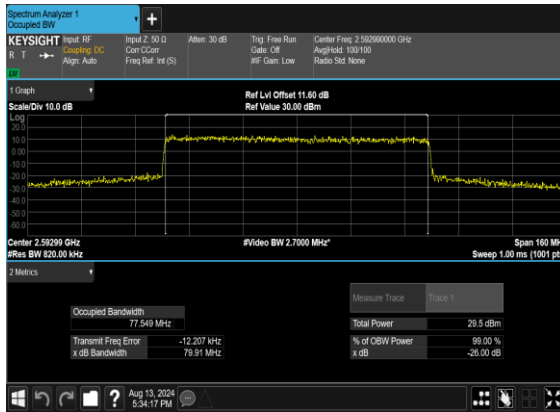


N41(70M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

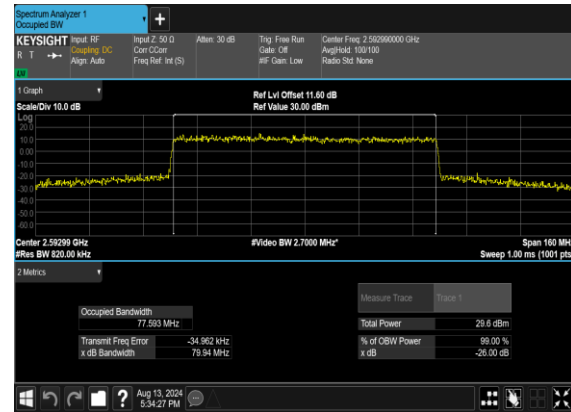




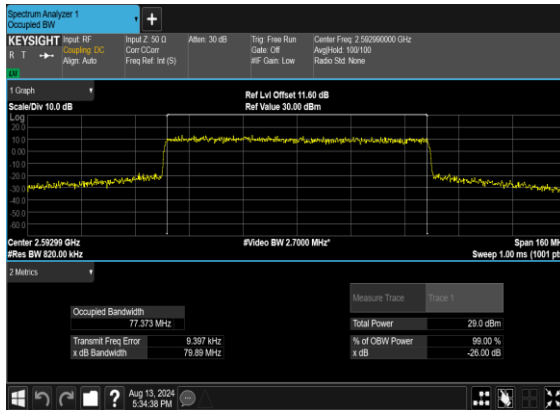
N41(80M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



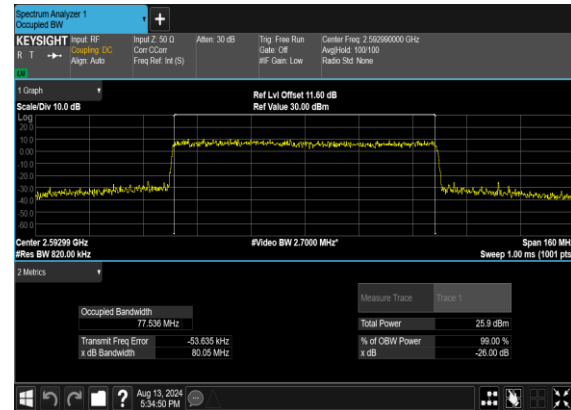
N41(80M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N41(80M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

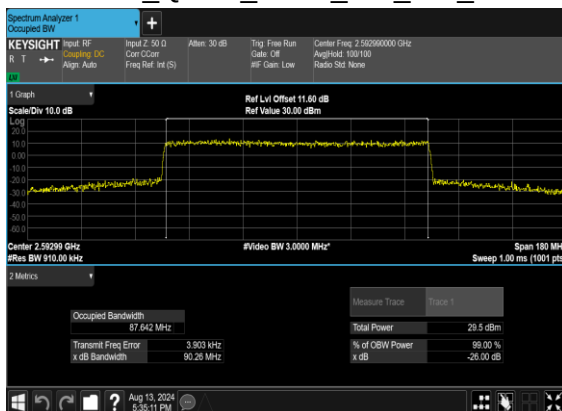


N41(80M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

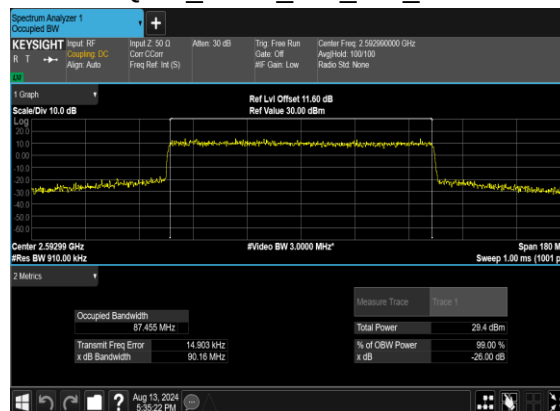




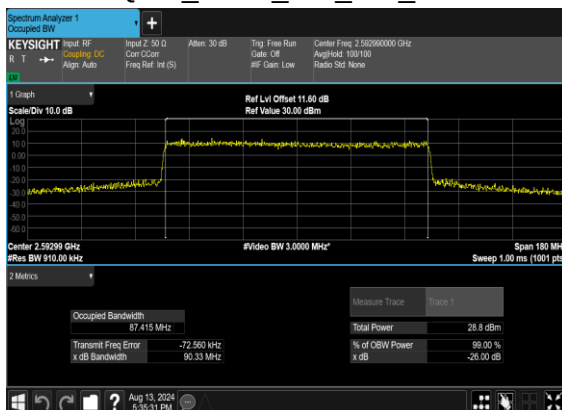
N41(90M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



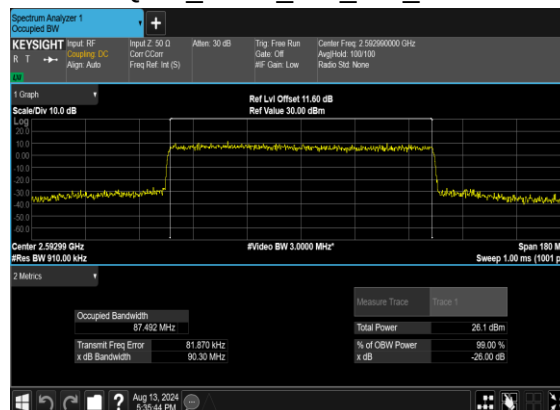
N41(90M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N41(90M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

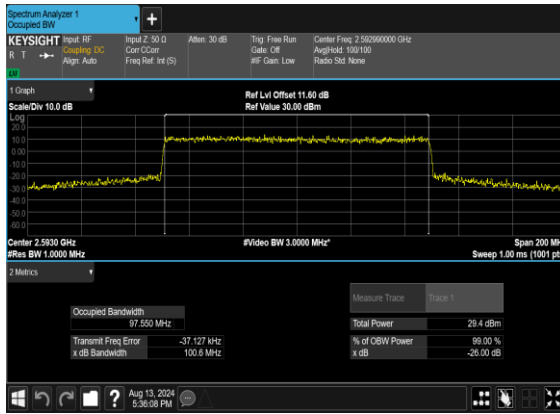


N41(90M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

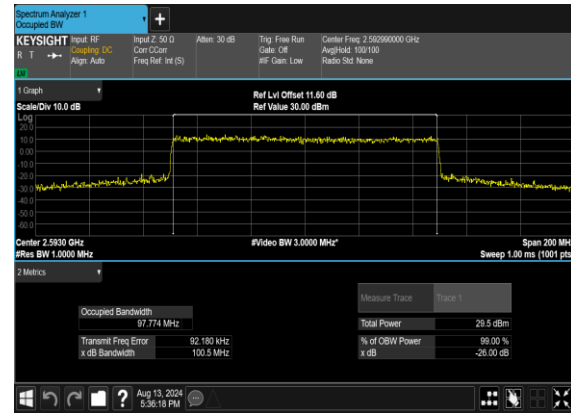




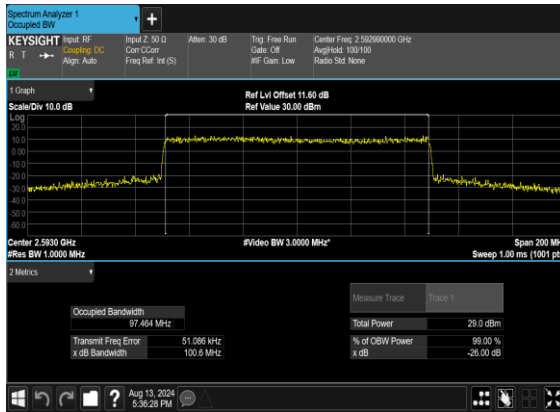
N41(100M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



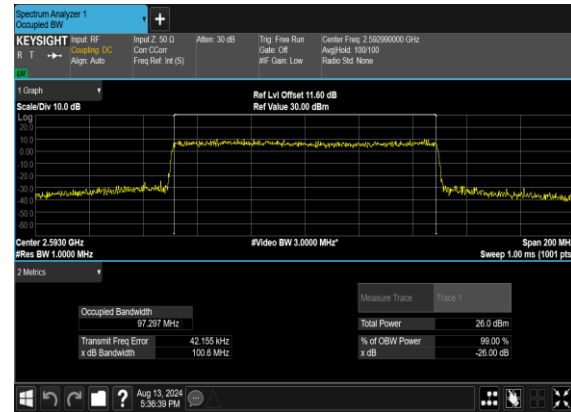
N41(100M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N41(100M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N41(100M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH





Conducted Spurious Emissions

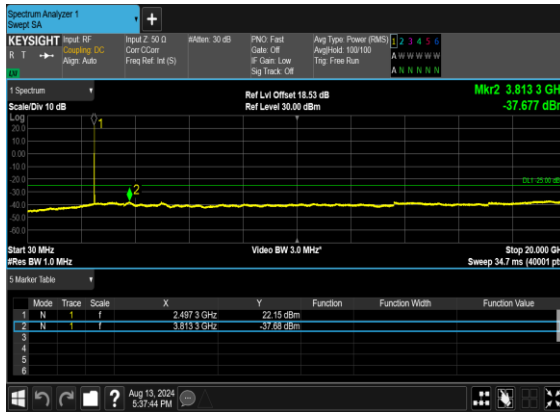
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	30	20	501204	2506.02	CP-OFDM QPSK	1@0	see graph	---
41	30	20	501204	2506.02	CP-OFDM QPSK	1@0	see graph	PASS
41	30	20	501204	2506.02	CP-OFDM QPSK	1@0	see graph	PASS
41	30	20	518598	2592.99	CP-OFDM QPSK	1@0	see graph	---
41	30	20	518598	2592.99	CP-OFDM QPSK	1@0	see graph	PASS
41	30	20	518598	2592.99	CP-OFDM QPSK	1@0	see graph	PASS
41	30	20	535998	2679.99	CP-OFDM QPSK	1@0	see graph	---
41	30	20	535998	2679.99	CP-OFDM QPSK	1@0	see graph	PASS
41	30	20	535998	2679.99	CP-OFDM QPSK	1@0	see graph	PASS
41	30	60	505200	2526.0	CP-OFDM QPSK	1@0	see graph	---
41	30	60	505200	2526.0	CP-OFDM QPSK	1@0	see graph	PASS
41	30	60	505200	2526.0	CP-OFDM QPSK	1@0	see graph	PASS
41	30	60	518598	2592.99	CP-OFDM QPSK	1@0	see graph	---
41	30	60	518598	2592.99	CP-OFDM QPSK	1@0	see graph	PASS
41	30	60	518598	2592.99	CP-OFDM QPSK	1@0	see graph	PASS
41	30	60	531996	2659.98	CP-OFDM QPSK	1@0	see graph	---
41	30	60	531996	2659.98	CP-OFDM QPSK	1@0	see graph	PASS
41	30	60	531996	2659.98	CP-OFDM QPSK	1@0	see graph	PASS
41	30	100	509202	2546.01	CP-OFDM QPSK	1@0	see graph	---
41	30	100	509202	2546.01	CP-OFDM QPSK	1@0	see graph	PASS



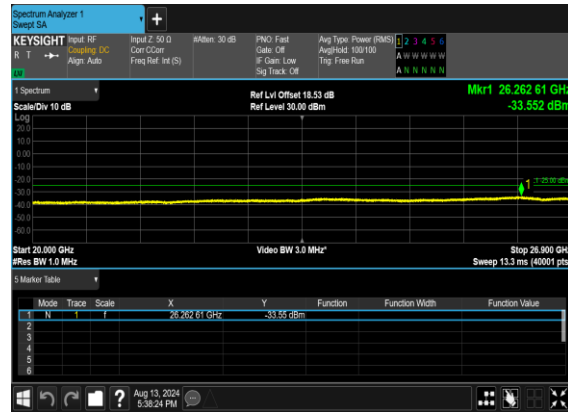
41	30	100	509202	2546.01	CP-OFDM QPSK	1@0	see graph	PASS
41	30	100	518598	2592.99	CP-OFDM QPSK	1@0	see graph	---
41	30	100	518598	2592.99	CP-OFDM QPSK	1@0	see graph	PASS
41	30	100	518598	2592.99	CP-OFDM QPSK	1@0	see graph	PASS
41	30	100	528000	2640.0	CP-OFDM QPSK	1@0	see graph	---
41	30	100	528000	2640.0	CP-OFDM QPSK	1@0	see graph	PASS
41	30	100	528000	2640.0	CP-OFDM QPSK	1@0	see graph	PASS



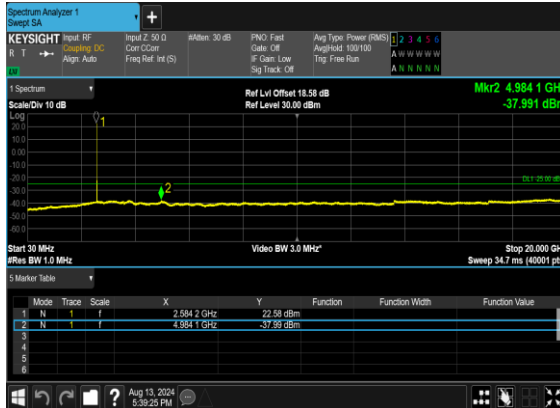
N41(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



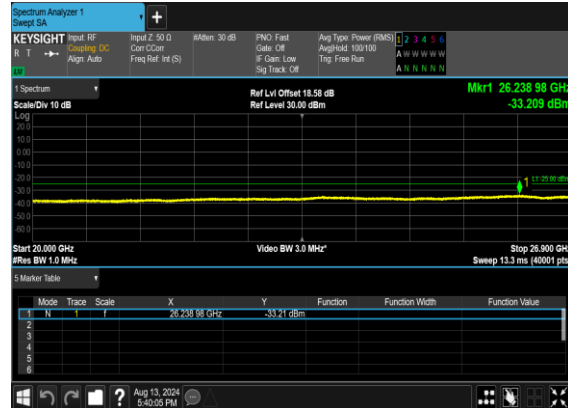
N41(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N41(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N41(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

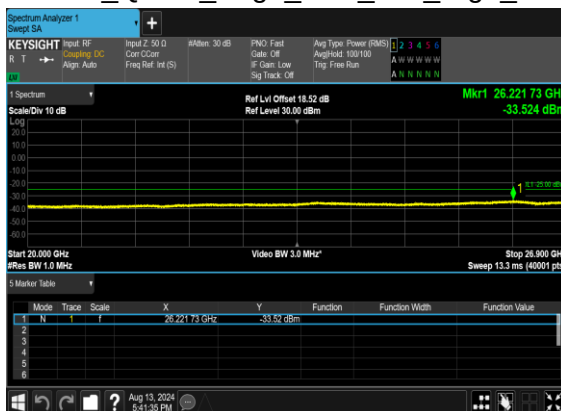




N41(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



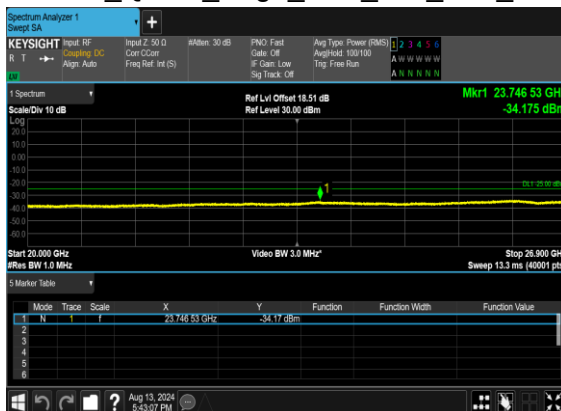
N41(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



N41(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH

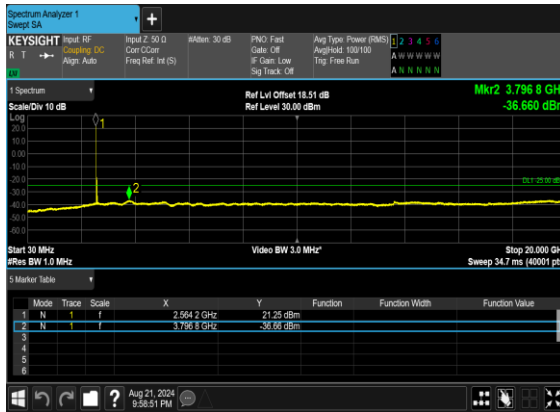


N41(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH

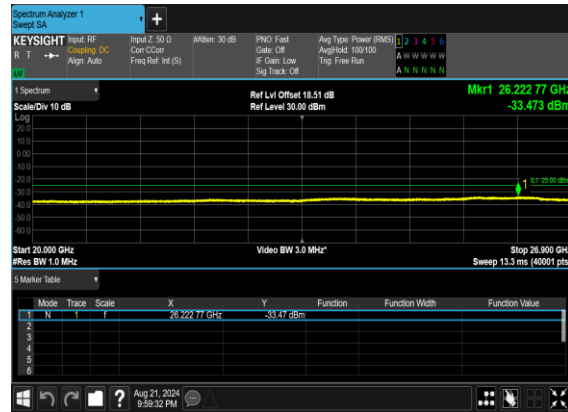




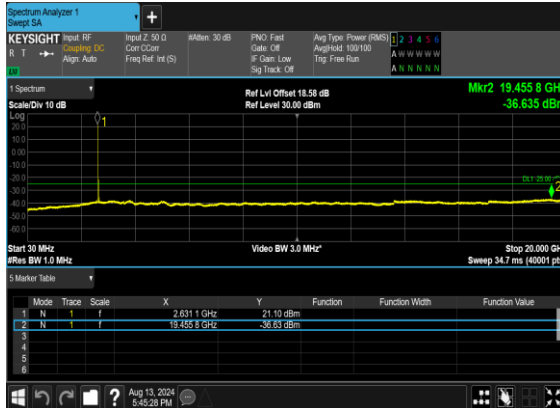
N41(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



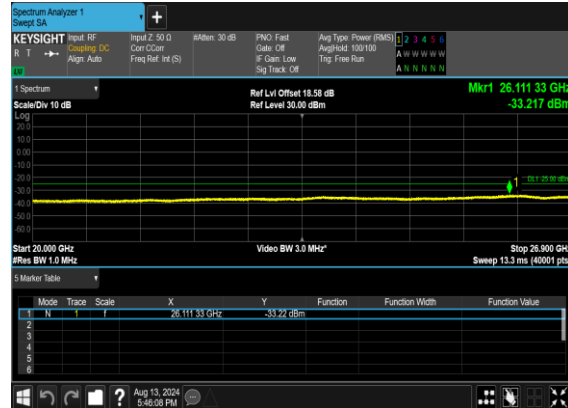
N41(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N41(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH

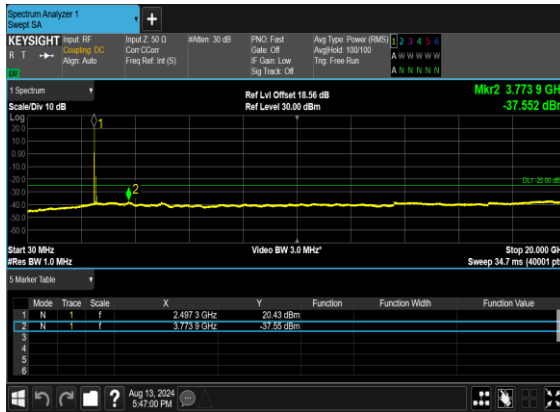


N41(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH

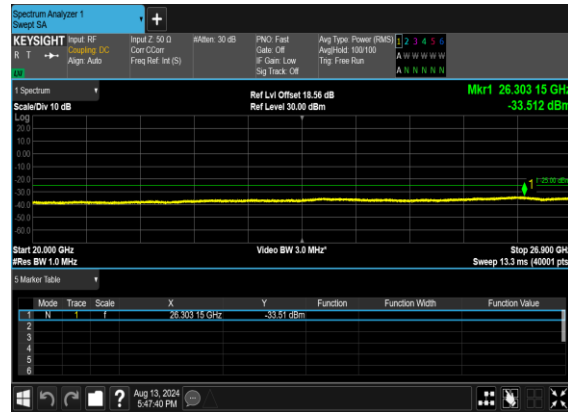




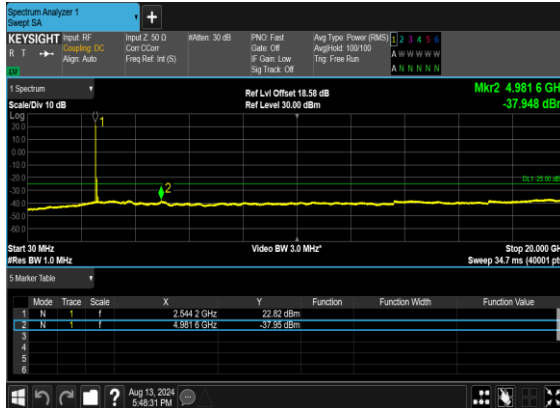
N41(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



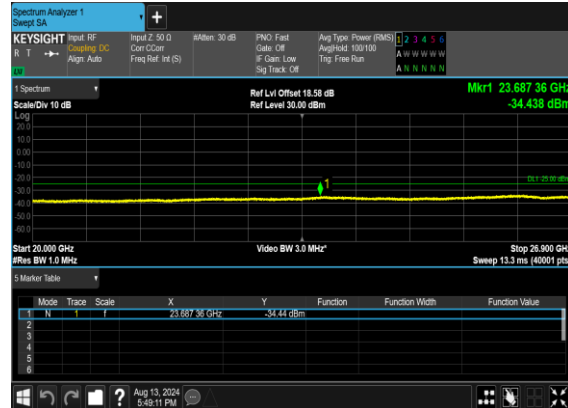
N41(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N41(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

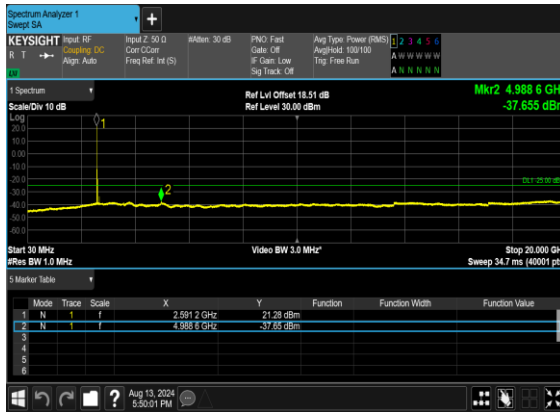


N41(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

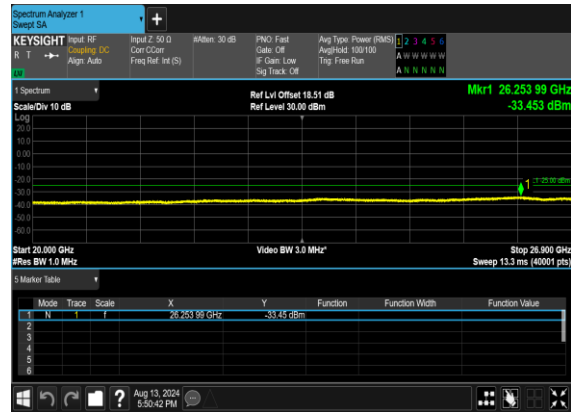




N41(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



N41(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH

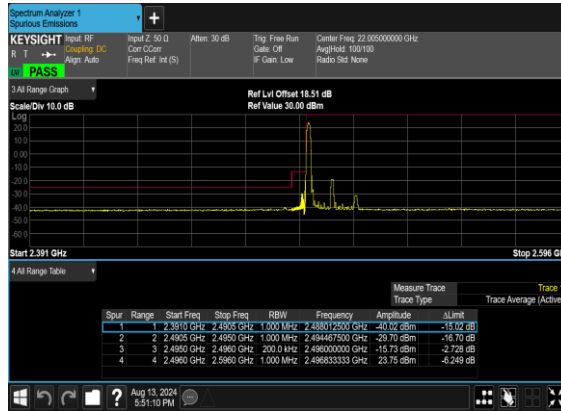


**Conducted Band Edge**

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	30	20	501204	2506.02	CP-OFDM QPSK	1@0	see graph	PASS
41	30	20	501204	2506.02	CP-OFDM QPSK	51@0	see graph	PASS
41	30	20	535998	2679.99	CP-OFDM QPSK	1@50	see graph	PASS
41	30	20	535998	2679.99	CP-OFDM QPSK	51@0	see graph	PASS
41	30	60	505200	2526.0	CP-OFDM QPSK	1@0	see graph	PASS
41	30	60	505200	2526.0	CP-OFDM QPSK	162@0	see graph	PASS
41	30	60	531996	2659.98	CP-OFDM QPSK	1@161	see graph	PASS
41	30	60	531996	2659.98	CP-OFDM QPSK	162@0	see graph	PASS
41	30	100	509202	2546.01	CP-OFDM QPSK	1@0	see graph	PASS
41	30	100	509202	2546.01	CP-OFDM QPSK	273@0	see graph	PASS
41	30	100	528000	2640.0	CP-OFDM QPSK	1@272	see graph	PASS
41	30	100	528000	2640.0	CP-OFDM QPSK	273@0	see graph	PASS



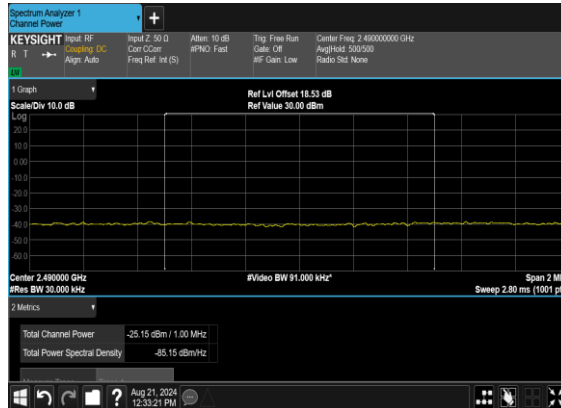
N41(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



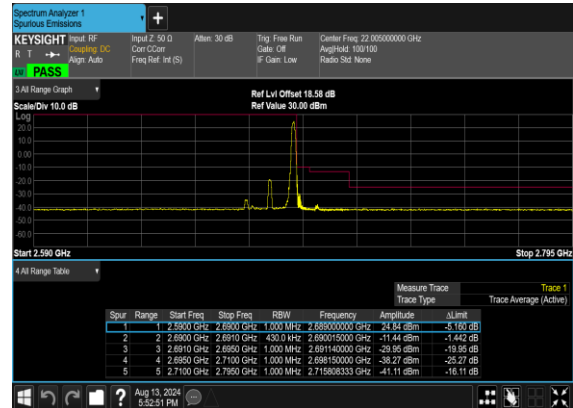
N41(20M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



N41(20M)_CP-
OFDM_QPSK_Outer_Full_Low_CH_CHP_PASS

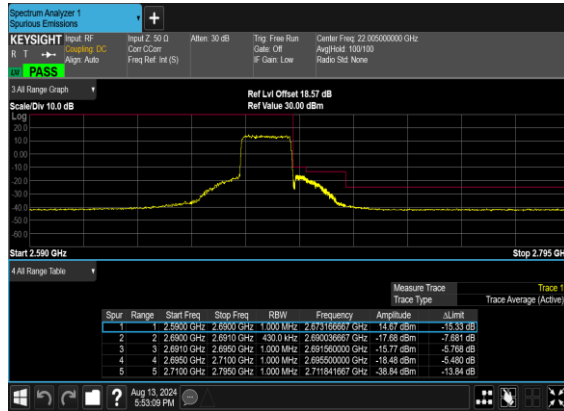


N41(20M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH

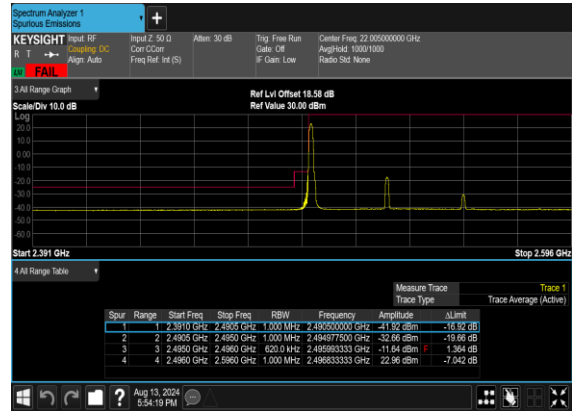




N41(20M)_CP-
OFDM_QPSK_Outer_Full_High_CH



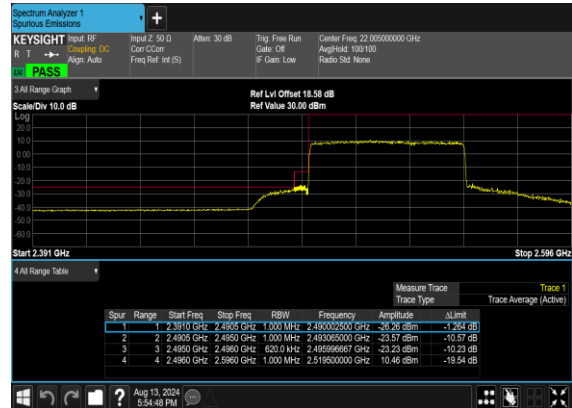
N41(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N41(60M)_CP-OFDM_QPSK
Edge_1RB_Left_Low_CH_CHP_PASS

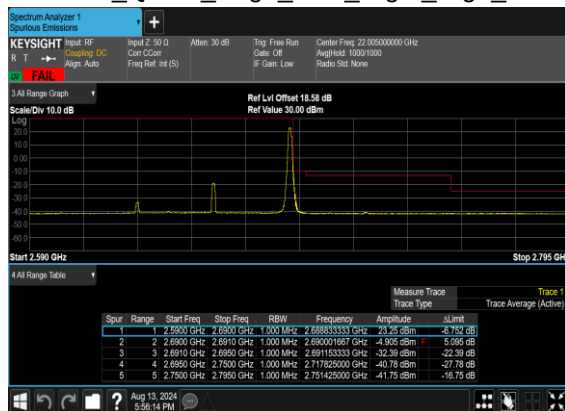


N41(60M)_CP-
OFDM_QPSK_Outer_Full_Low_CH

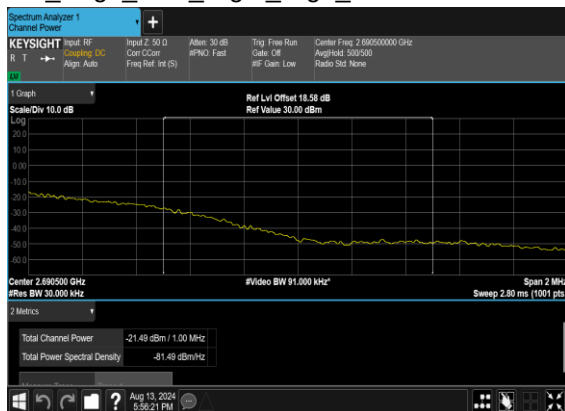




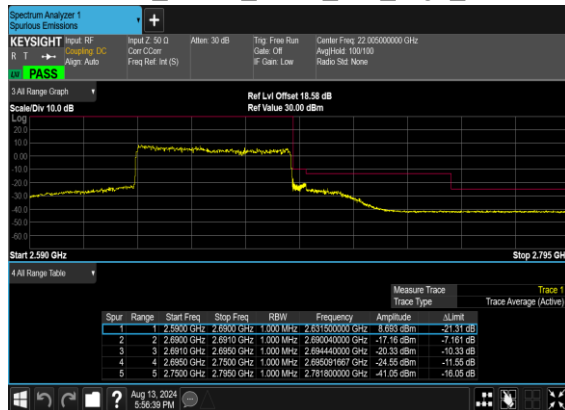
N41(60M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



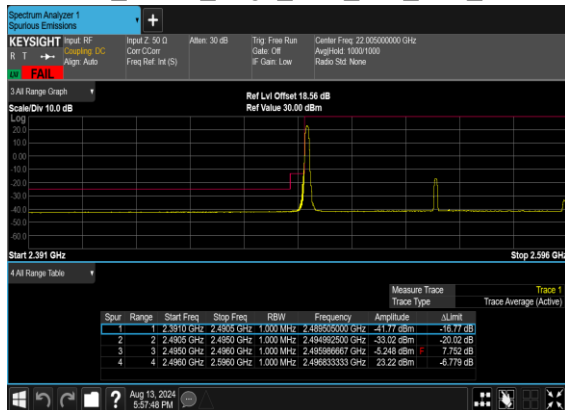
N41(60M)_CP-OFDM_QPSK
Edge_1RB_Right_High_CH_CHP_PASS



N41(60M)_CP-
OFDM_QPSK_Outer_Full_High_CH

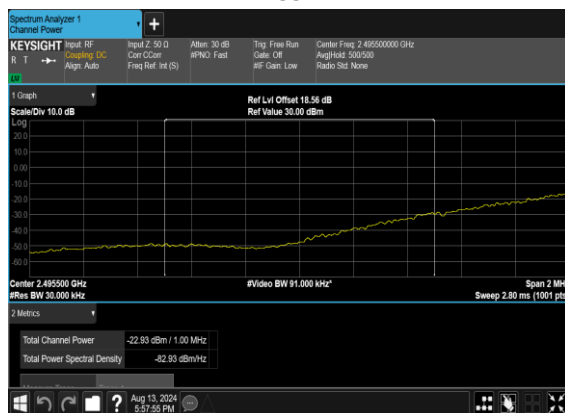


N41(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH

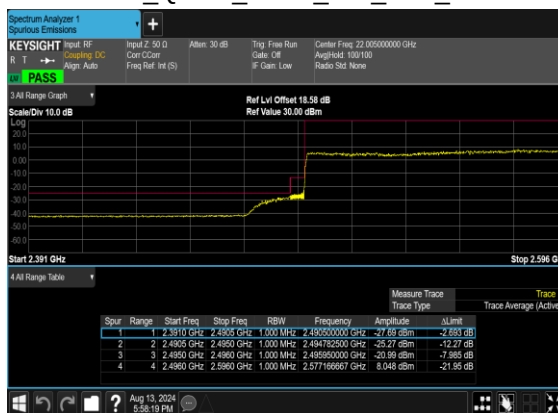




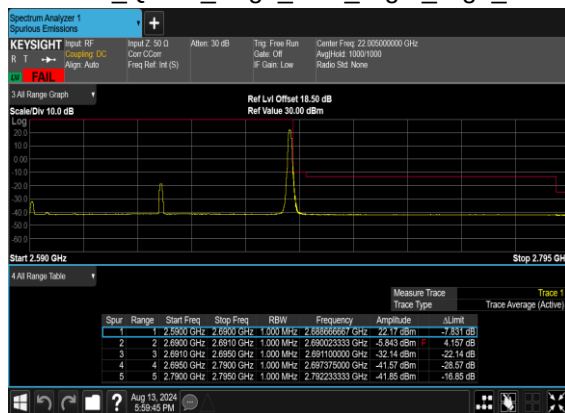
N41(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PA
SS



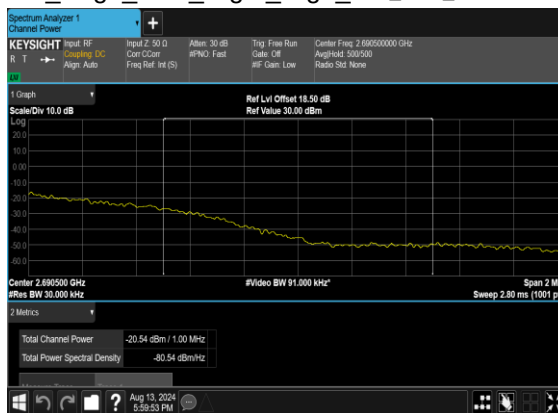
N41(100M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



N41(100M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH

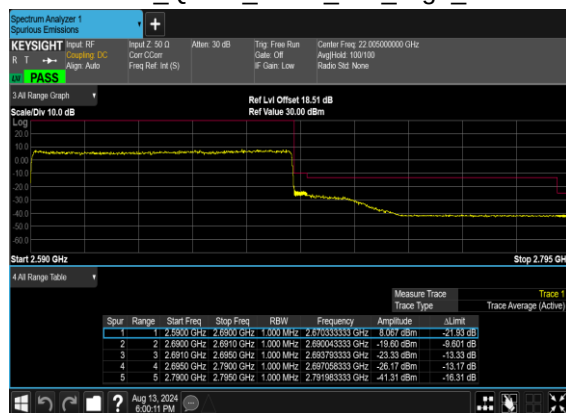


N41(100M)_CP-OFDM_QPSK
_Edge_1RB_Right_High_CH_CHP_PASS





N41(100M)_CP-
OFDM_QPSK_Outer_Full_High_CH





Software Version: 23.06.1602

FR1 N41 MIMO-ANT3

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0060	PASS	NV
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0058	PASS	LV
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0057	PASS	HV
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0040	PASS	-30°C
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0036	PASS	-20°C
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0028	PASS	-10°C
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0032	PASS	0°C
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0066	PASS	10°C
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0060	PASS	20°C
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0039	PASS	30°C
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0058	PASS	40°C
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0060	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	CP-OFDM QPSK	51@0	6.71	13	PASS

N41(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH





Occupied Bandwidth

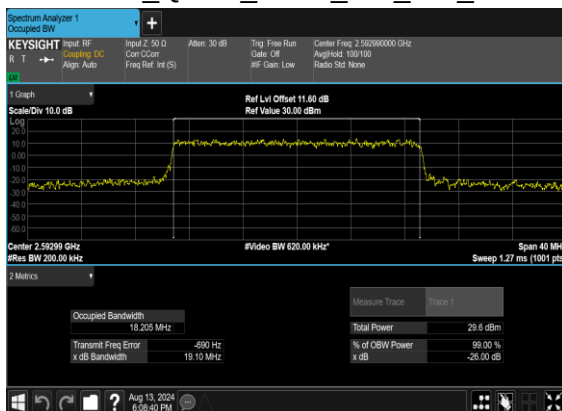
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	18.205	19.1
41	30	20	518598	2592.99	CP-OFDM 16 QAM	51@0	18.193	19.49
41	30	20	518598	2592.99	CP-OFDM 64 QAM	51@0	18.217	19.59
41	30	20	518598	2592.99	CP-OFDM 256 QAM	51@0	18.213	19.3
41	30	30	518598	2592.99	CP-OFDM QPSK	78@0	27.882	28.78
41	30	30	518598	2592.99	CP-OFDM 16 QAM	78@0	27.921	29.19
41	30	30	518598	2592.99	CP-OFDM 64 QAM	78@0	27.873	30.98
41	30	30	518598	2592.99	CP-OFDM 256 QAM	78@0	27.832	29.22
41	30	40	518598	2592.99	CP-OFDM QPSK	106@0	37.791	39.26
41	30	40	518598	2592.99	CP-OFDM 16 QAM	106@0	37.946	39.67
41	30	40	518598	2592.99	CP-OFDM 64 QAM	106@0	37.77	39.33
41	30	40	518598	2592.99	CP-OFDM 256 QAM	106@0	37.756	39.17
41	30	50	518598	2592.99	CP-OFDM QPSK	133@0	47.463	49.41
41	30	50	518598	2592.99	CP-OFDM 16 QAM	133@0	47.498	48.98
41	30	50	518598	2592.99	CP-OFDM 64 QAM	133@0	47.54	49.48
41	30	50	518598	2592.99	CP-OFDM 256 QAM	133@0	47.513	49.42
41	30	60	518598	2592.99	CP-OFDM QPSK	162@0	57.987	59.92
41	30	60	518598	2592.99	CP-OFDM 16 QAM	162@0	57.96	59.69
41	30	60	518598	2592.99	CP-OFDM 64 QAM	162@0	57.917	60.22
41	30	60	518598	2592.99	CP-OFDM 256 QAM	162@0	57.84	60.0
41	30	70	518598	2592.99	CP-OFDM QPSK	189@0	67.51	70.43
41	30	70	518598	2592.99	CP-OFDM 16 QAM	189@0	67.522	72.78



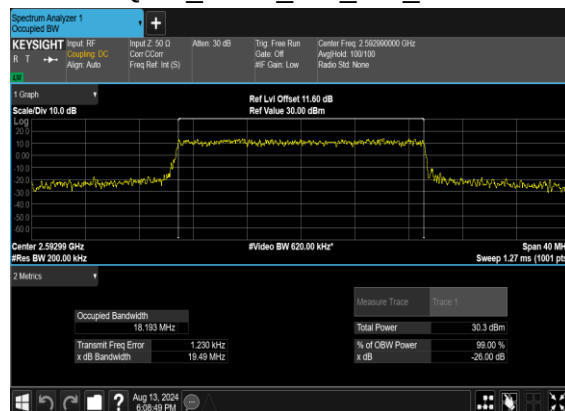
41	30	70	518598	2592.99	CP-OFDM 64 QAM	189@0	67.518	69.61
41	30	70	518598	2592.99	CP-OFDM 256 QAM	189@0	67.489	69.66
41	30	80	518598	2592.99	CP-OFDM QPSK	217@0	77.574	79.94
41	30	80	518598	2592.99	CP-OFDM 16 QAM	217@0	77.48	79.85
41	30	80	518598	2592.99	CP-OFDM 64 QAM	217@0	77.398	79.83
41	30	80	518598	2592.99	CP-OFDM 256 QAM	217@0	77.586	79.9
41	30	90	518598	2592.99	CP-OFDM QPSK	245@0	87.584	90.2
41	30	90	518598	2592.99	CP-OFDM 16 QAM	245@0	87.622	90.23
41	30	90	518598	2592.99	CP-OFDM 64 QAM	245@0	87.7	90.33
41	30	90	518598	2592.99	CP-OFDM 256 QAM	245@0	87.669	90.3
41	30	100	518598	2592.99	CP-OFDM QPSK	273@0	97.71	100.5
41	30	100	518598	2592.99	CP-OFDM 16 QAM	273@0	97.75	100.5
41	30	100	518598	2592.99	CP-OFDM 64 QAM	273@0	97.562	100.9
41	30	100	518598	2592.99	CP-OFDM 256 QAM	273@0	97.481	100.6



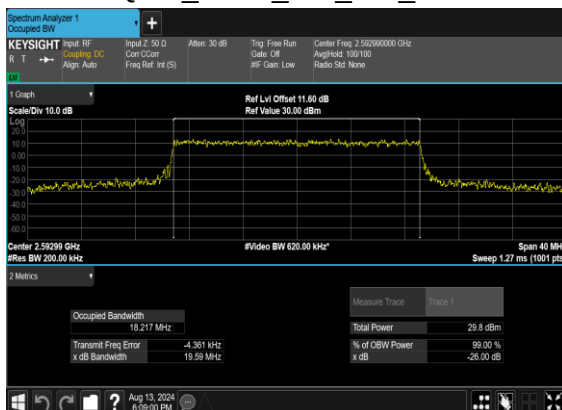
N41(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



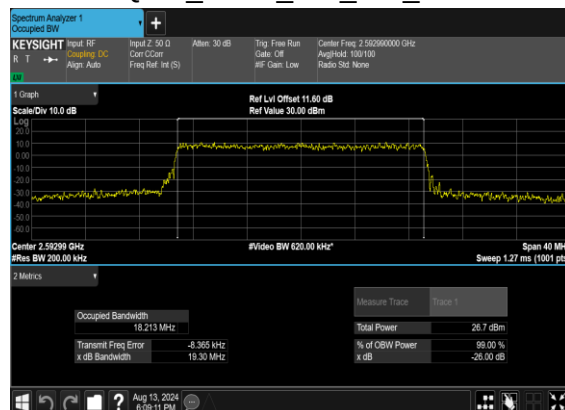
N41(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N41(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

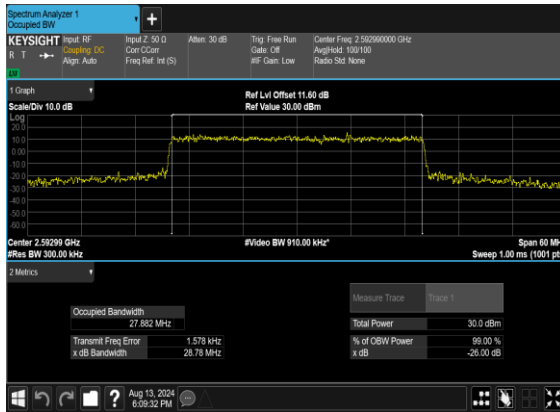


N41(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

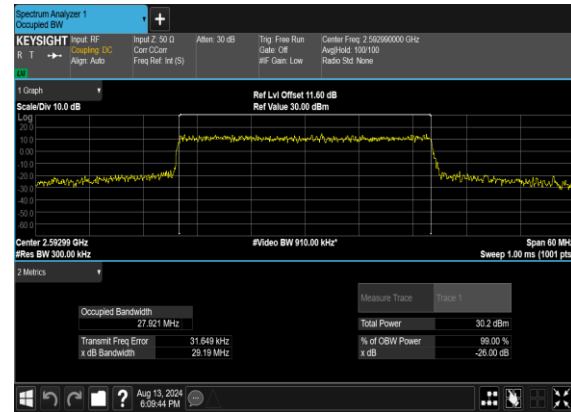




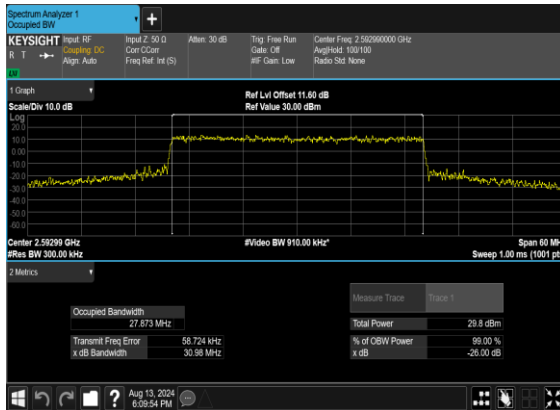
N41(30M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



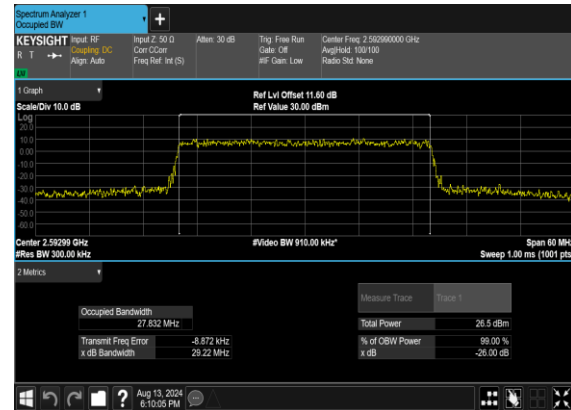
N41(30M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N41(30M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

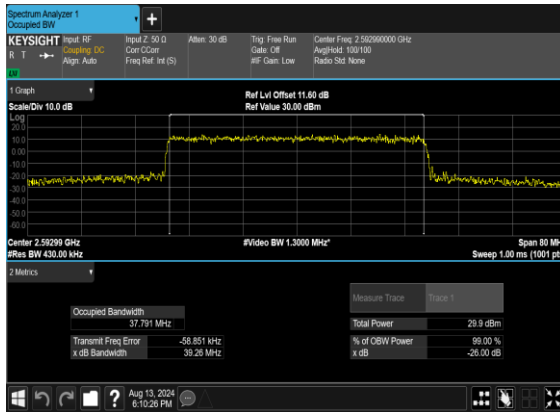


N41(30M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

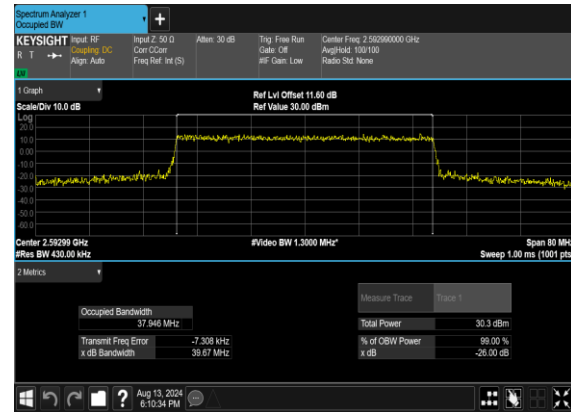




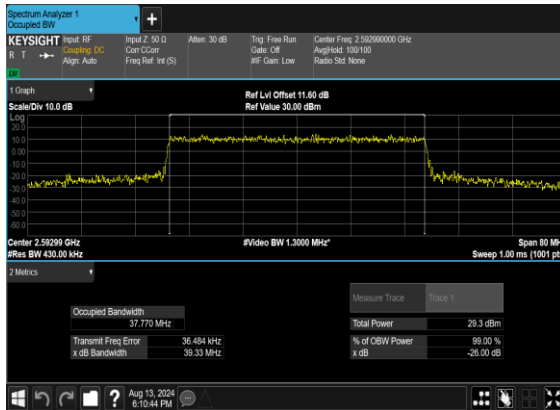
N41(40M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



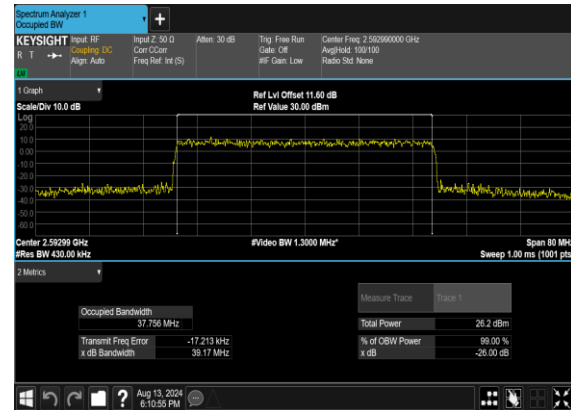
N41(40M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N41(40M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

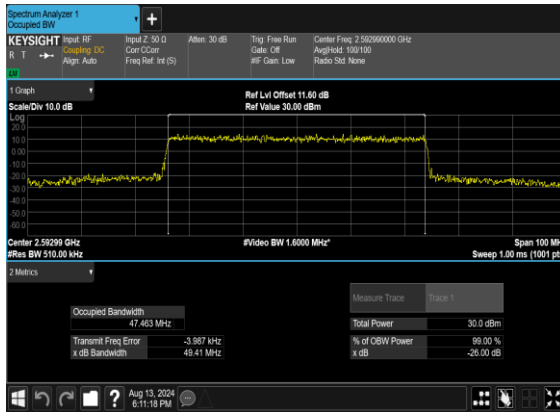


N41(40M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

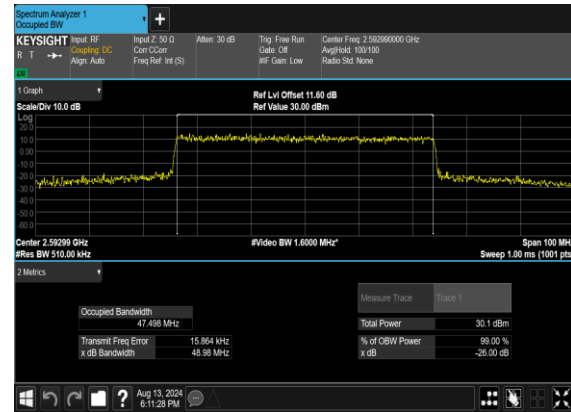




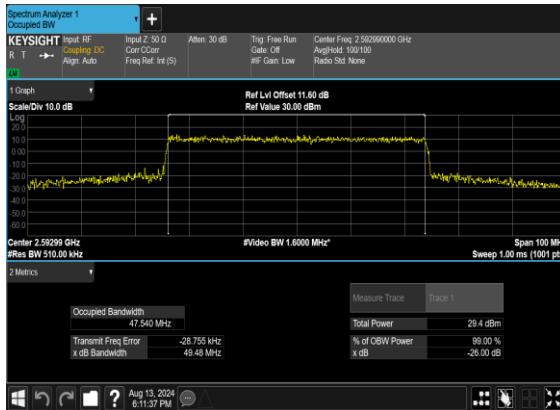
N41(50M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



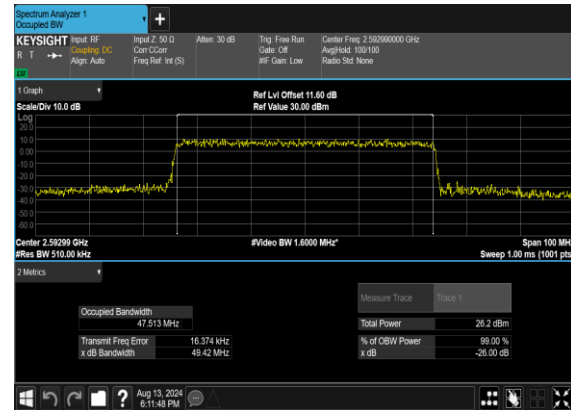
N41(50M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N41(50M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

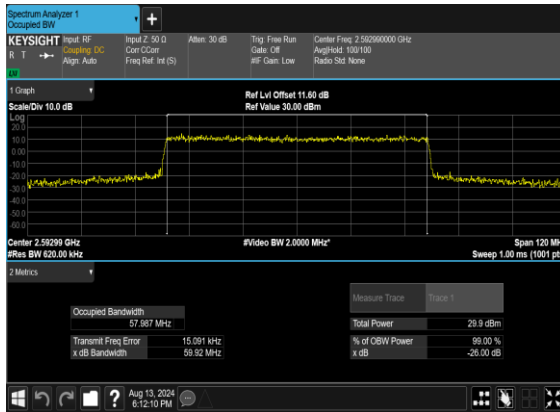


N41(50M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

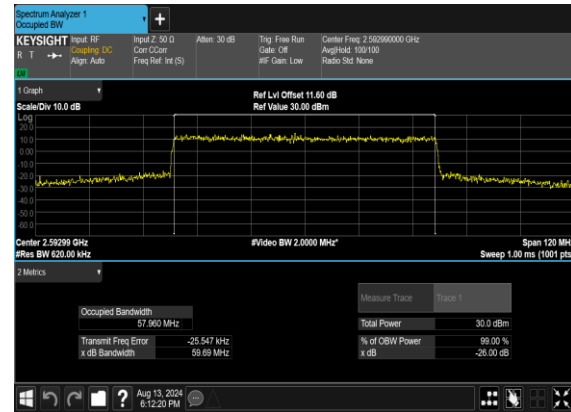




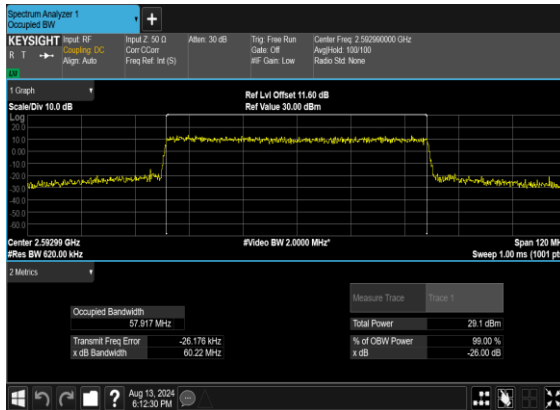
N41(60M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



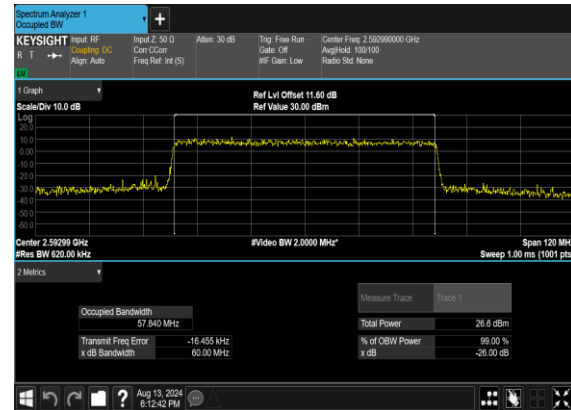
N41(60M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N41(60M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

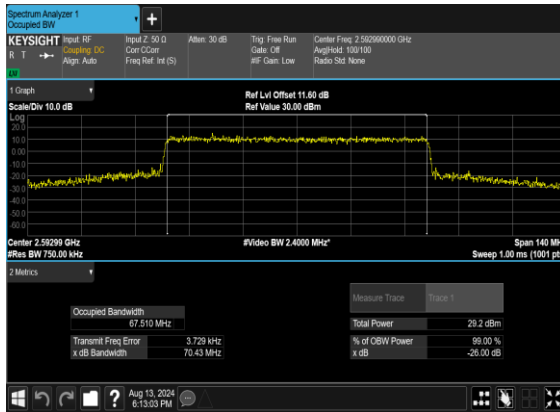


N41(60M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

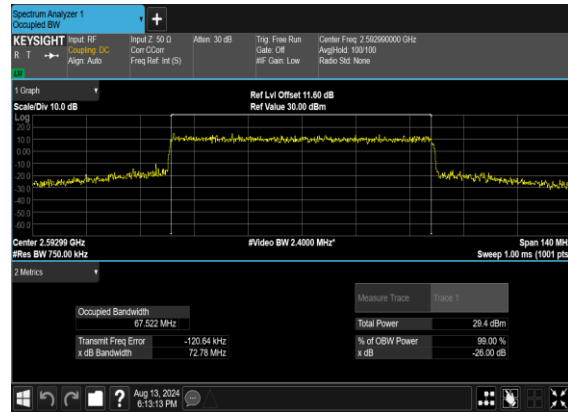




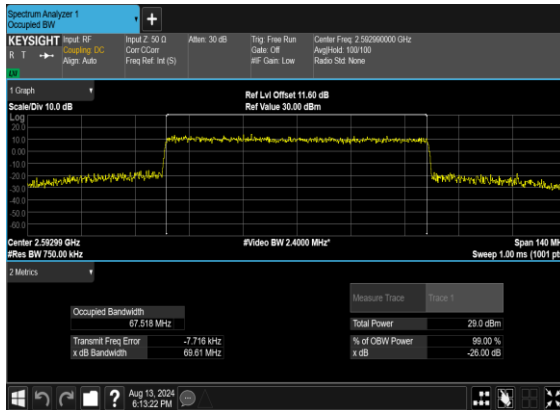
N41(70M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



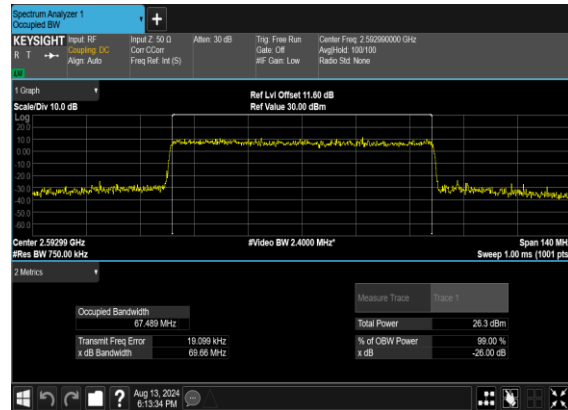
N41(70M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N41(70M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

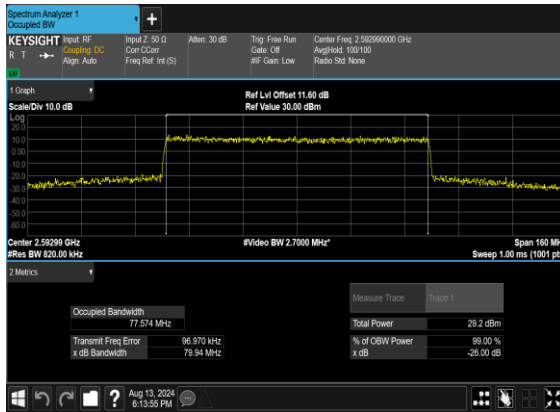


N41(70M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

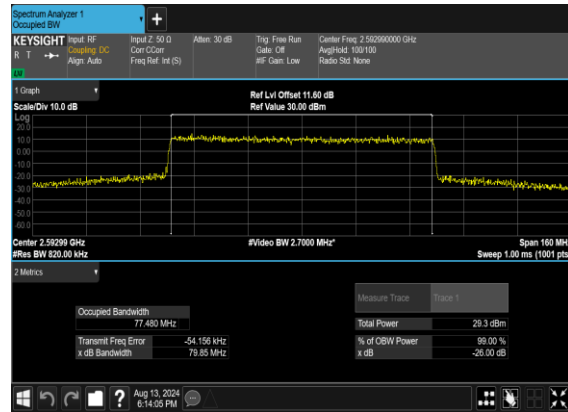




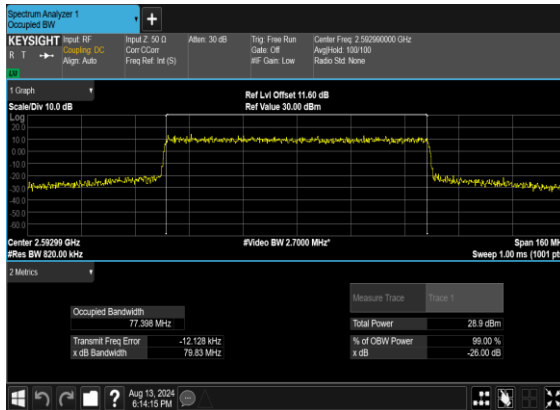
N41(80M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



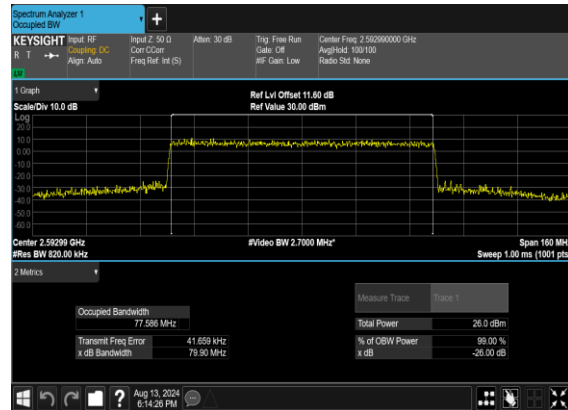
N41(80M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N41(80M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

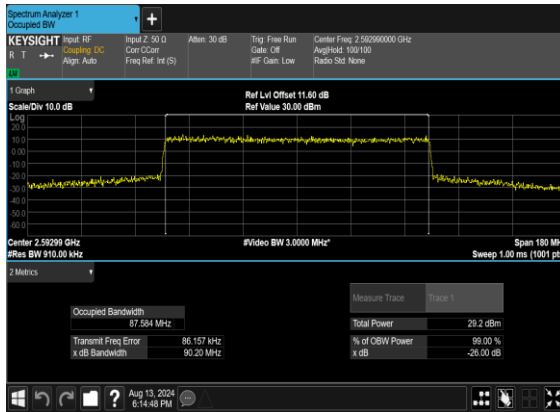


N41(80M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

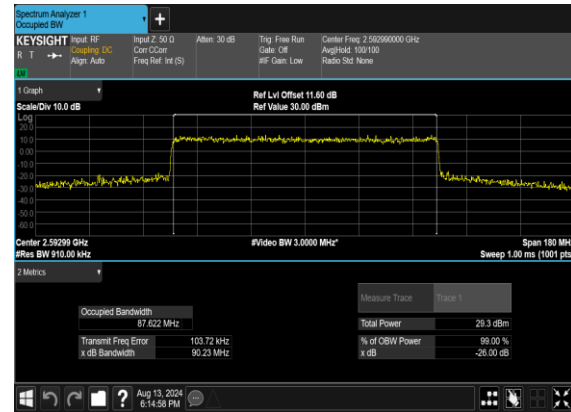




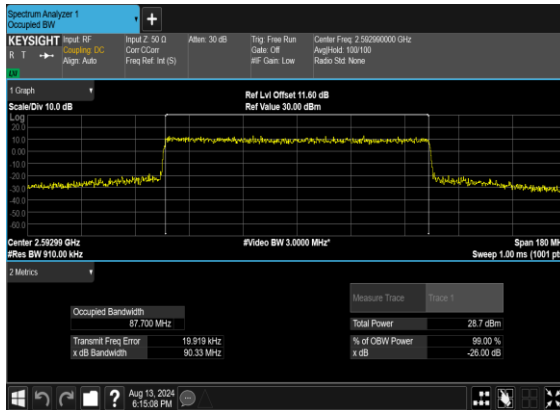
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OFDM_QPSK_Outer_Full_Mid_CH



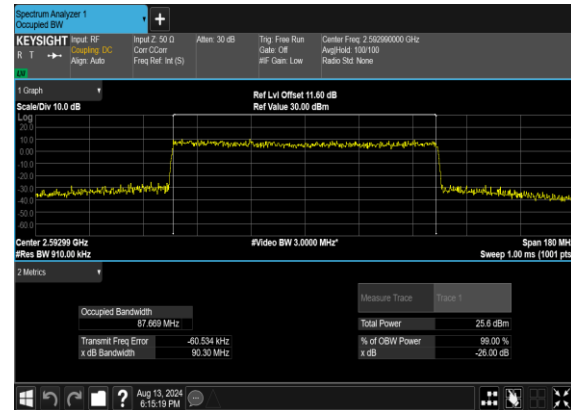
N41(90M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N41(90M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

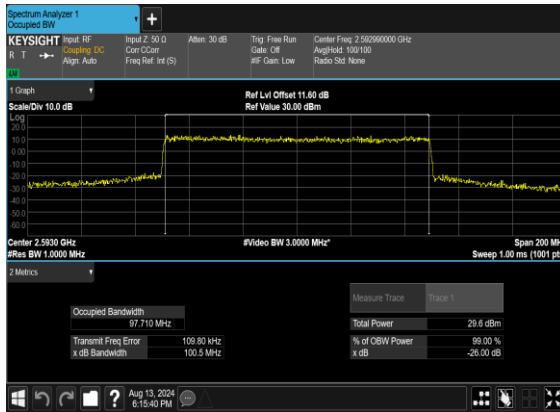


N41(90M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

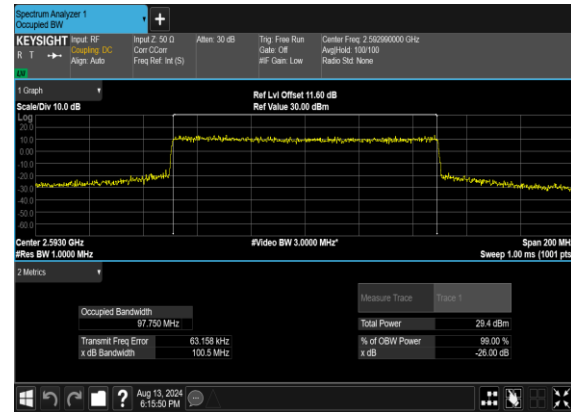




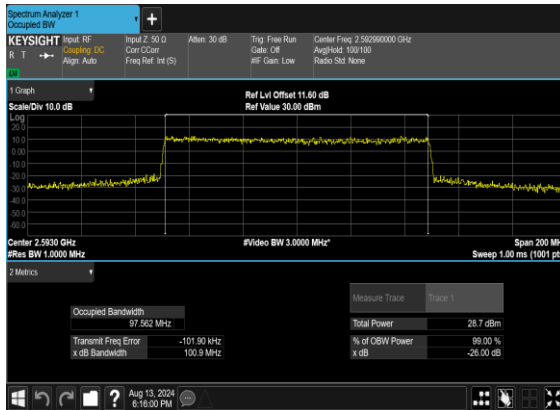
N41(100M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



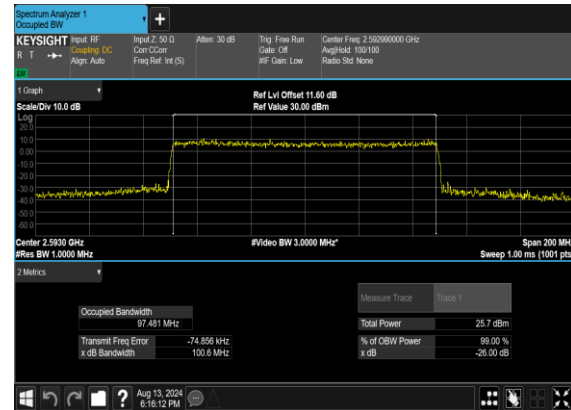
N41(100M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



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	20	501204	2506.02	CP-OFDM QPSK	1@0	see graph	---
41	30	20	501204	2506.02	CP-OFDM QPSK	1@0	see graph	PASS
41	30	20	501204	2506.02	CP-OFDM QPSK	1@0	see graph	PASS
41	30	20	518598	2592.99	CP-OFDM QPSK	1@0	see graph	---
41	30	20	518598	2592.99	CP-OFDM QPSK	1@0	see graph	PASS
41	30	20	518598	2592.99	CP-OFDM QPSK	1@0	see graph	PASS
41	30	20	535998	2679.99	CP-OFDM QPSK	1@0	see graph	---
41	30	20	535998	2679.99	CP-OFDM QPSK	1@0	see graph	PASS
41	30	20	535998	2679.99	CP-OFDM QPSK	1@0	see graph	PASS
41	30	60	505200	2526.0	CP-OFDM QPSK	1@0	see graph	---
41	30	60	505200	2526.0	CP-OFDM QPSK	1@0	see graph	PASS
41	30	60	505200	2526.0	CP-OFDM QPSK	1@0	see graph	PASS
41	30	60	518598	2592.99	CP-OFDM QPSK	1@0	see graph	---
41	30	60	518598	2592.99	CP-OFDM QPSK	1@0	see graph	PASS
41	30	60	518598	2592.99	CP-OFDM QPSK	1@0	see graph	PASS
41	30	60	531996	2659.98	CP-OFDM QPSK	1@0	see graph	---
41	30	60	531996	2659.98	CP-OFDM QPSK	1@0	see graph	PASS
41	30	60	531996	2659.98	CP-OFDM QPSK	1@0	see graph	PASS
41	30	100	509202	2546.01	CP-OFDM QPSK	1@0	see graph	---
41	30	100	509202	2546.01	CP-OFDM QPSK	1@0	see graph	PASS



41	30	100	509202	2546.01	CP-OFDM QPSK	1@0	see graph	PASS
41	30	100	518598	2592.99	CP-OFDM QPSK	1@0	see graph	---
41	30	100	518598	2592.99	CP-OFDM QPSK	1@0	see graph	PASS
41	30	100	518598	2592.99	CP-OFDM QPSK	1@0	see graph	PASS
41	30	100	528000	2640.0	CP-OFDM QPSK	1@0	see graph	---
41	30	100	528000	2640.0	CP-OFDM QPSK	1@0	see graph	PASS
41	30	100	528000	2640.0	CP-OFDM QPSK	1@0	see graph	PASS