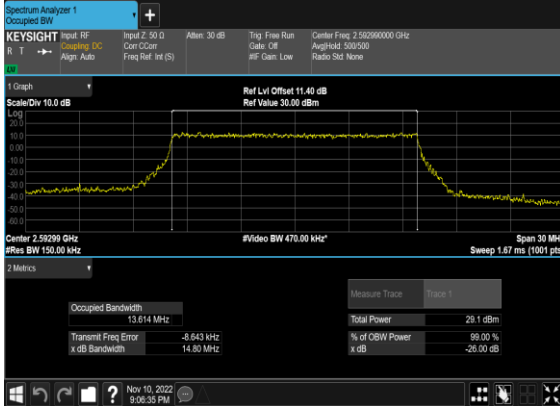
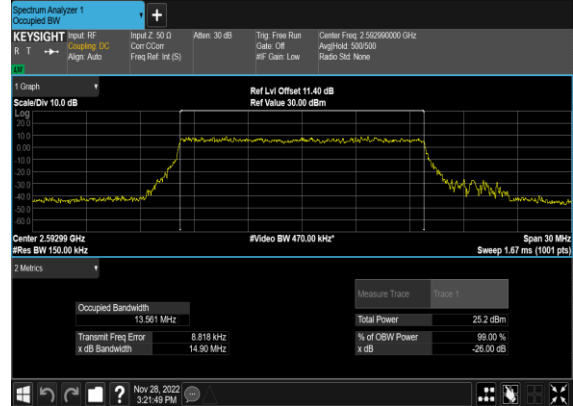


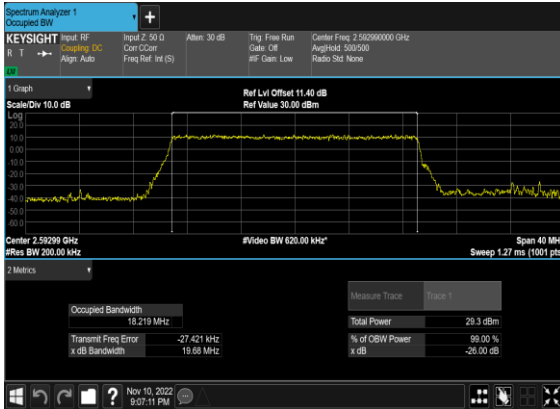
N41(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



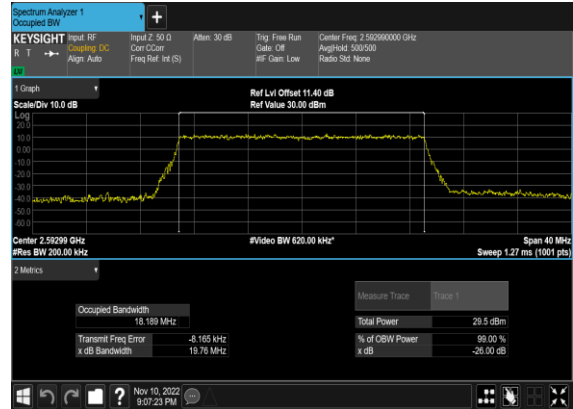
N41(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



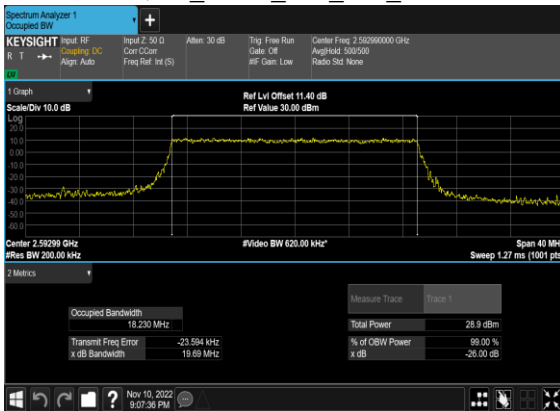
N41(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



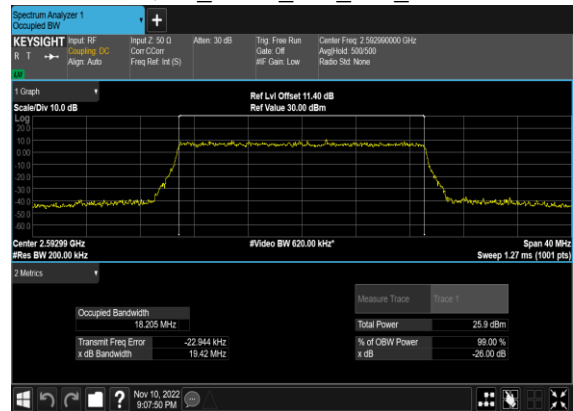
N41(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



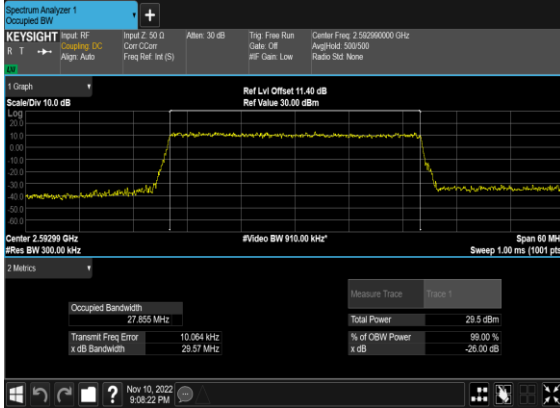
N41(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



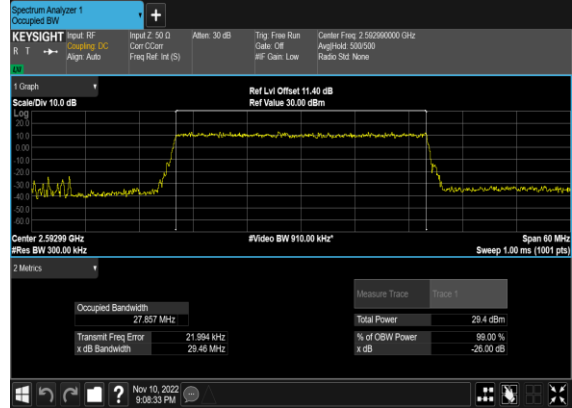
N41(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



N41(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



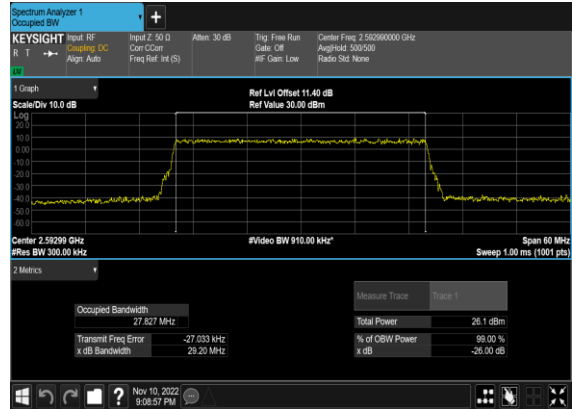
N41(30M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



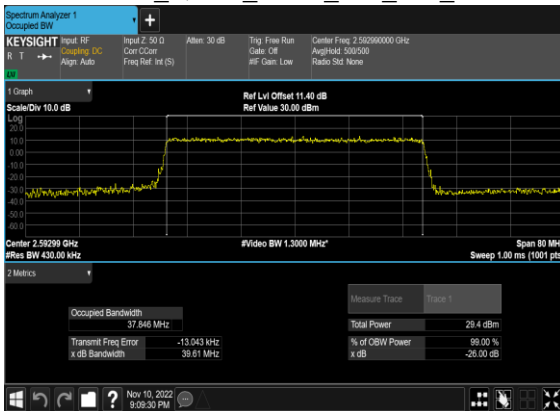
N41(30M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



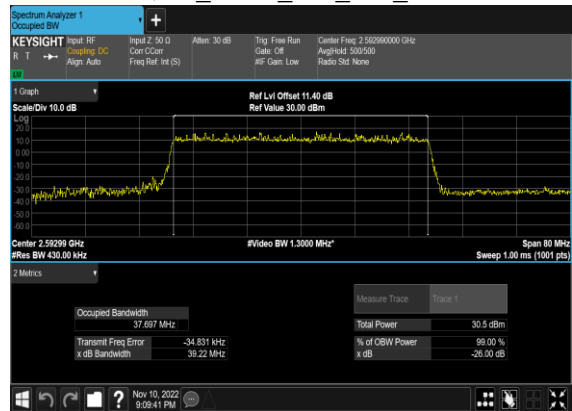
N41(30M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



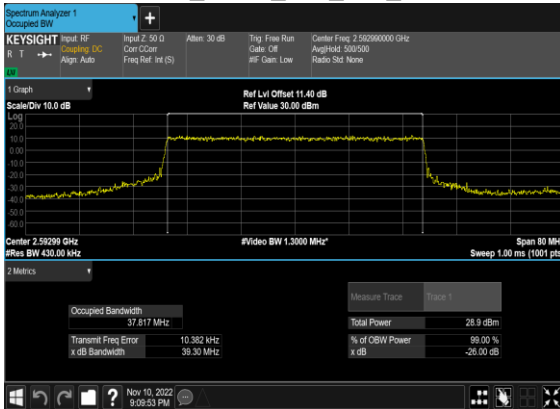
N41(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



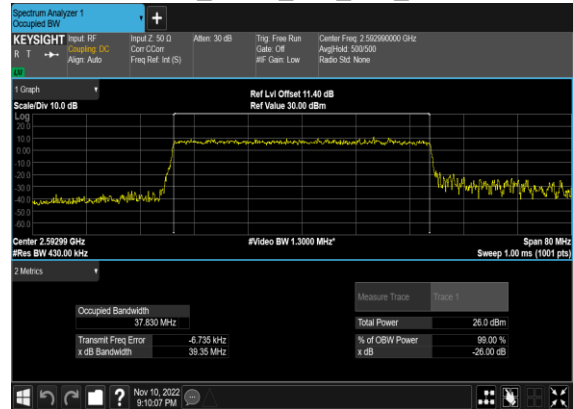
N41(40M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



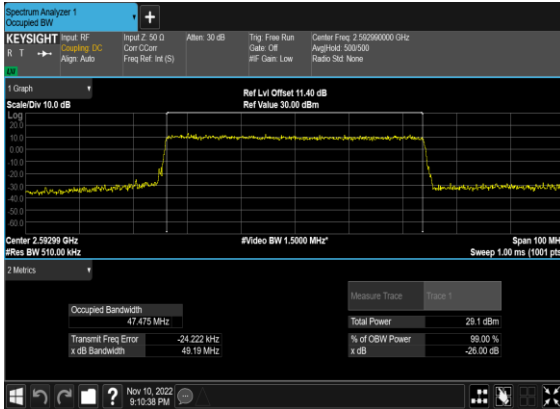
N41(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



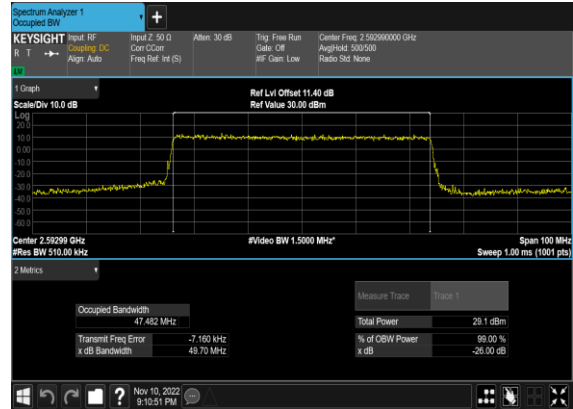
N41(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



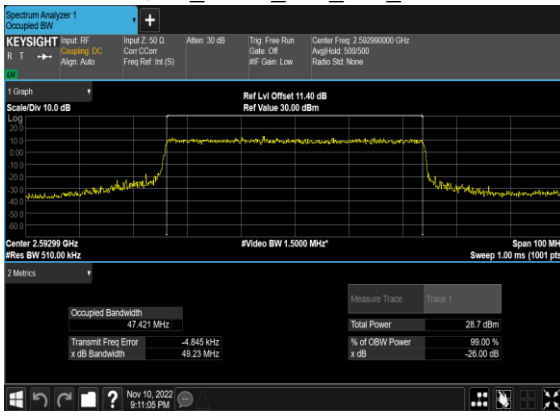
N41(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



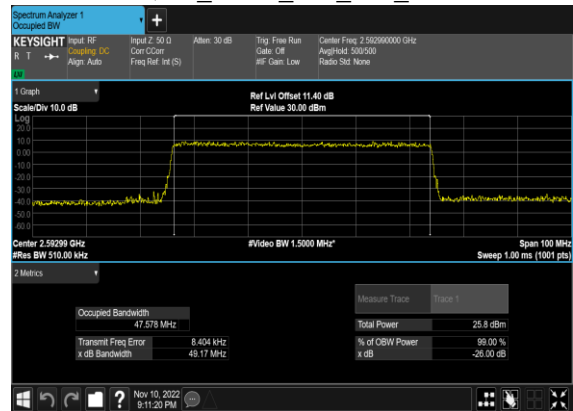
N41(50M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



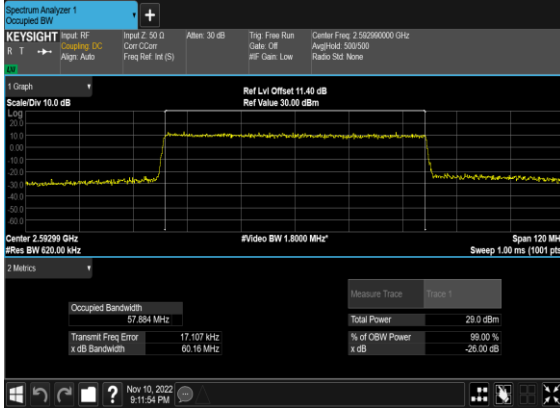
N41(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



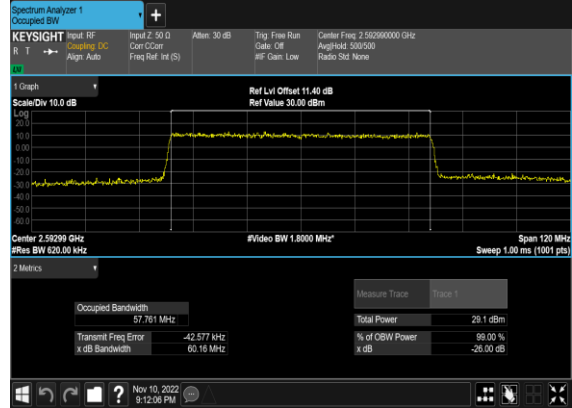
N41(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



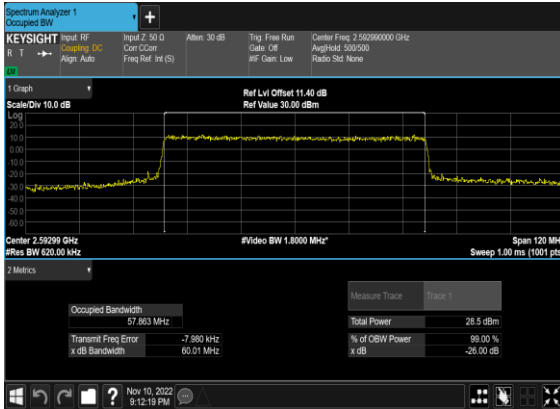
N41(60M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



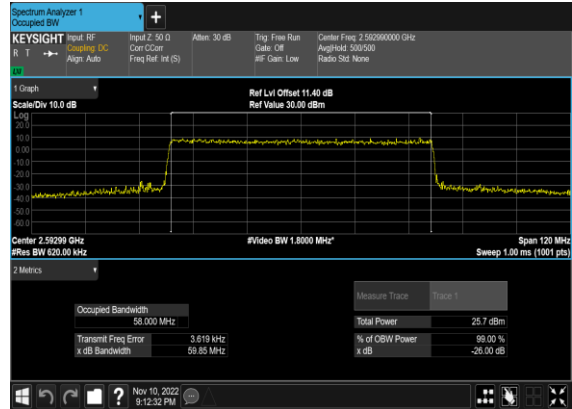
N41(60M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



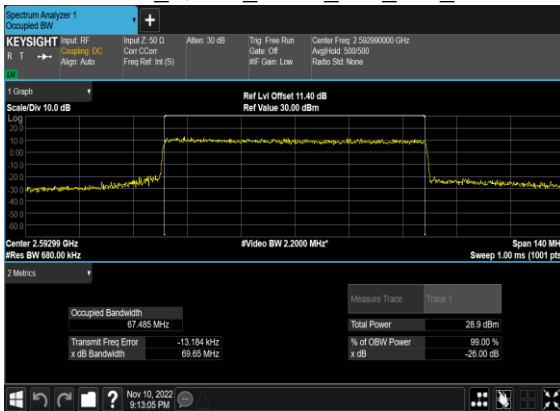
N41(60M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



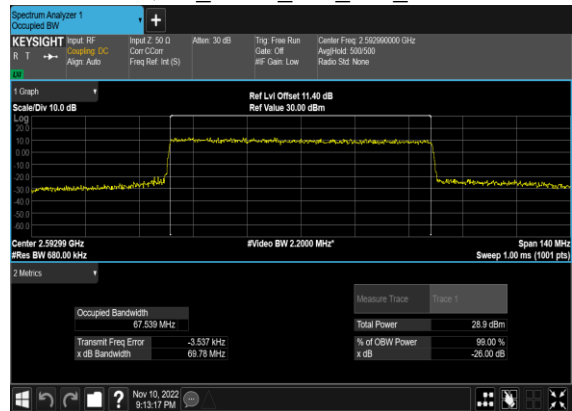
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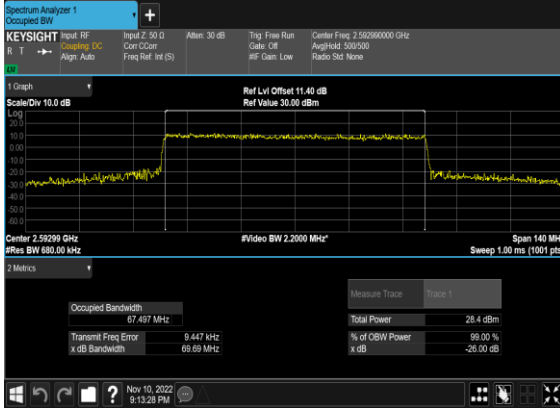
N41(70M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



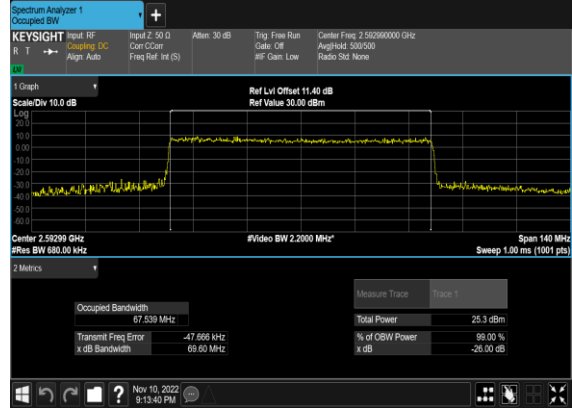
N41(70M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



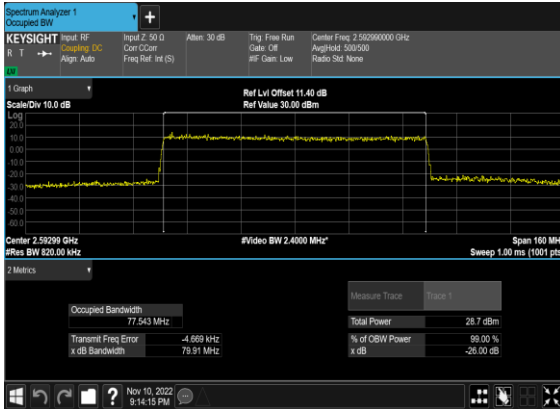
N41(70M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



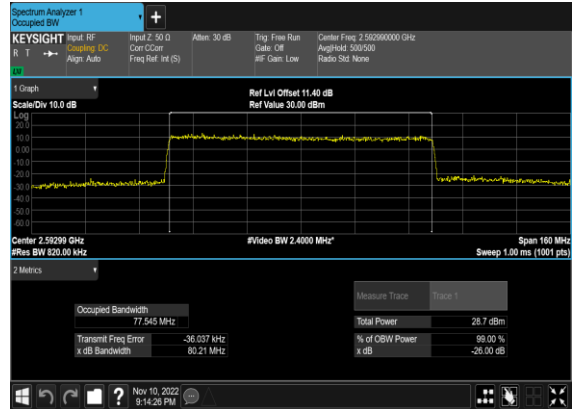
N41(70M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



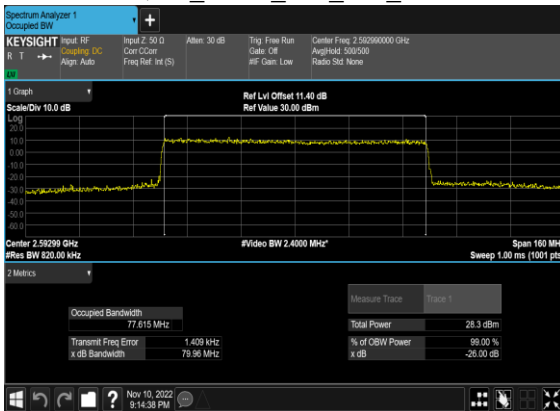
N41(80M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



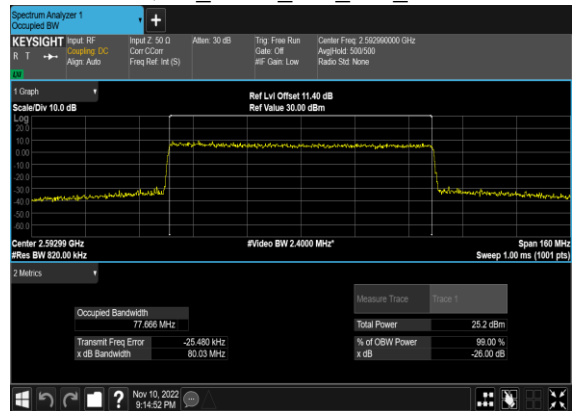
N41(80M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



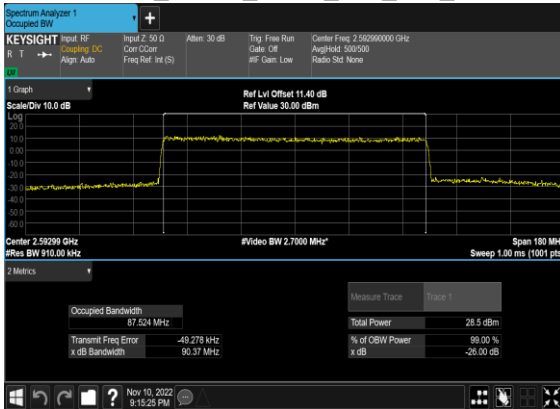
N41(80M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



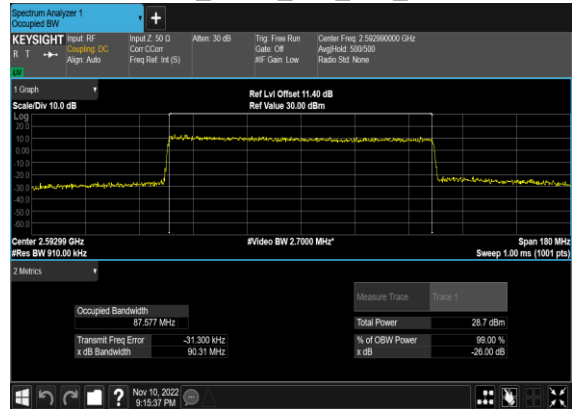
N41(80M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



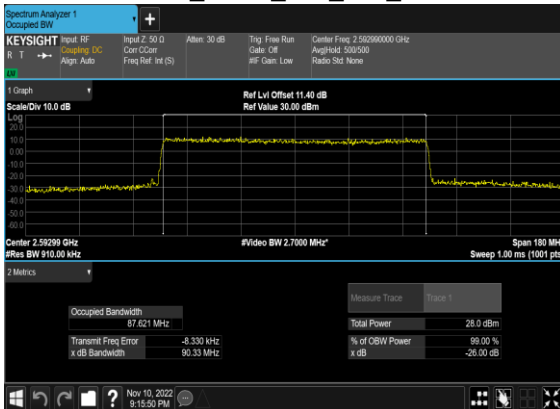
N41(90M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



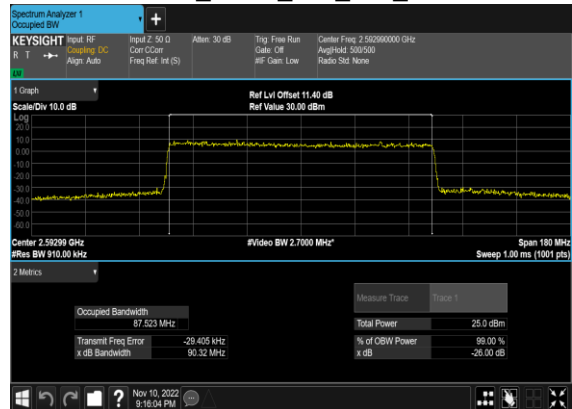
N41(90M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



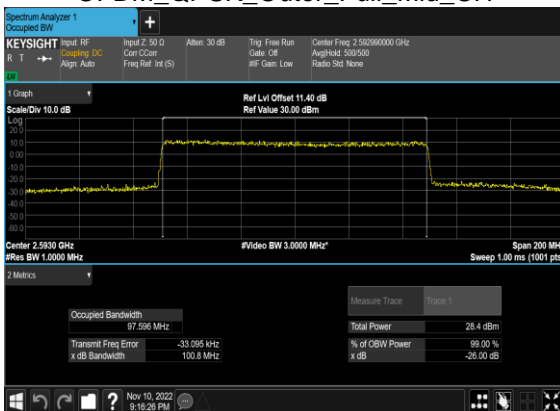
N41(90M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



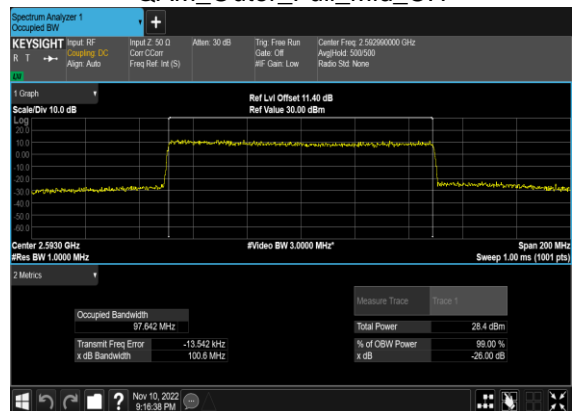
N41(90M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



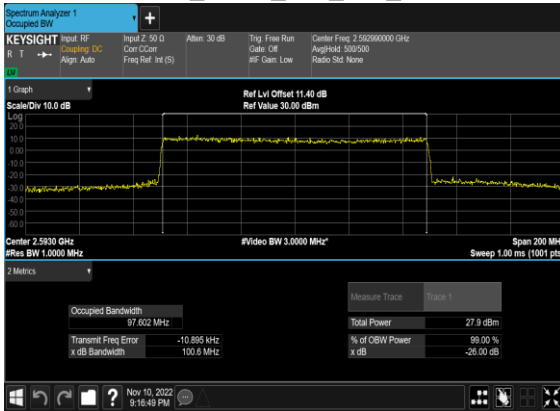
N41(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



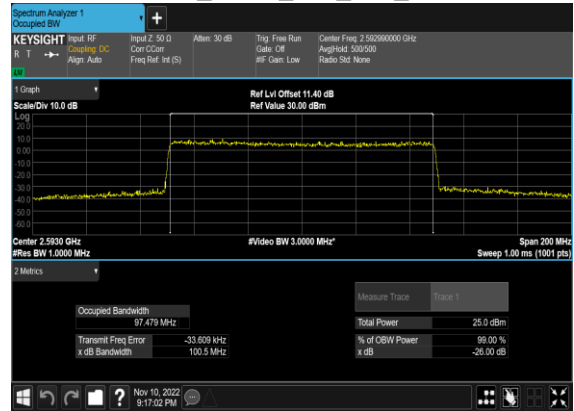
N41(100M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N41(100M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



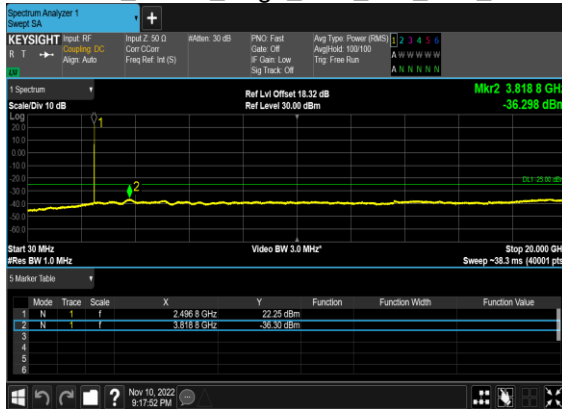
N41(100M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



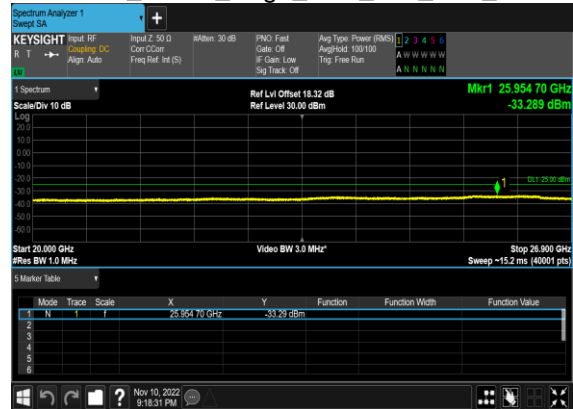
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	30	10	500202	2501.01	CP-OFDM QPSK	1@0	see graph	---
41	30	10	500202	2501.01	CP-OFDM QPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	CP-OFDM QPSK	1@0	see graph	PASS
41	30	10	518598	2592.99	CP-OFDM QPSK	1@0	see graph	---
41	30	10	518598	2592.99	CP-OFDM QPSK	1@0	see graph	PASS
41	30	10	518598	2592.99	CP-OFDM QPSK	1@0	see graph	PASS
41	30	10	537000	2685.0	CP-OFDM QPSK	1@0	see graph	---
41	30	10	537000	2685.0	CP-OFDM QPSK	1@0	see graph	PASS
41	30	10	537000	2685.0	CP-OFDM QPSK	1@0	see graph	PASS
41	30	50	504204	2521.02	CP-OFDM QPSK	1@0	see graph	---
41	30	50	504204	2521.02	CP-OFDM QPSK	1@0	see graph	PASS
41	30	50	504204	2521.02	CP-OFDM QPSK	1@0	see graph	PASS
41	30	50	518598	2592.99	CP-OFDM QPSK	1@0	see graph	---
41	30	50	518598	2592.99	CP-OFDM QPSK	1@0	see graph	PASS
41	30	50	518598	2592.99	CP-OFDM QPSK	1@0	see graph	PASS
41	30	50	532998	2664.99	CP-OFDM QPSK	1@0	see graph	---
41	30	50	532998	2664.99	CP-OFDM QPSK	1@0	see graph	PASS
41	30	50	532998	2664.99	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

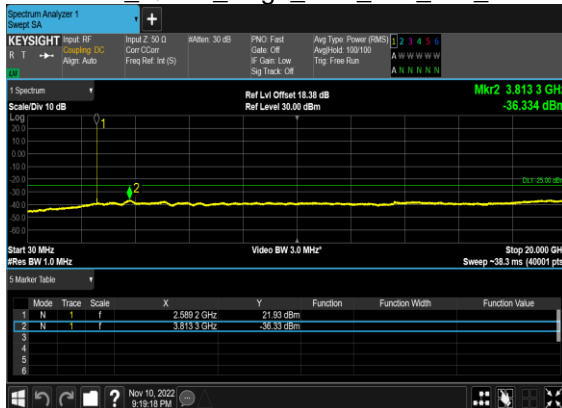
N41(10M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



N41(10M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



N41(10M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



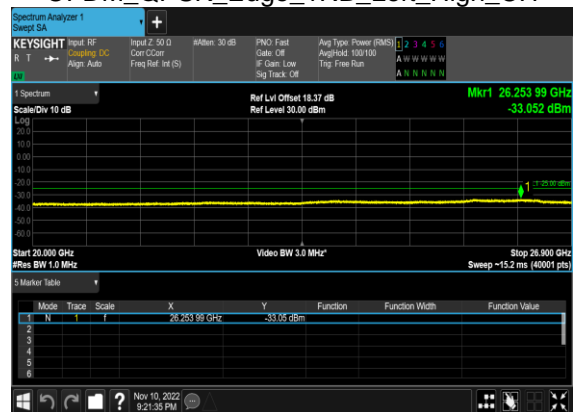
N41(10M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



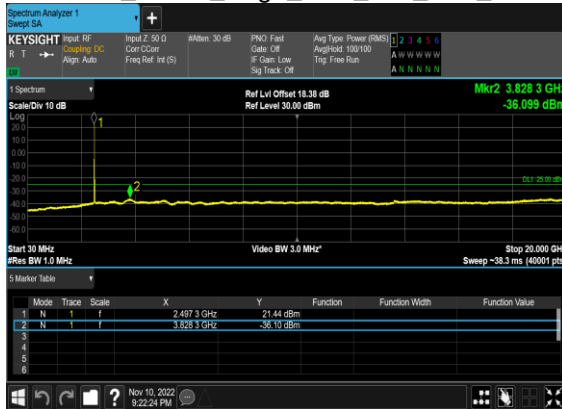
N41(10M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



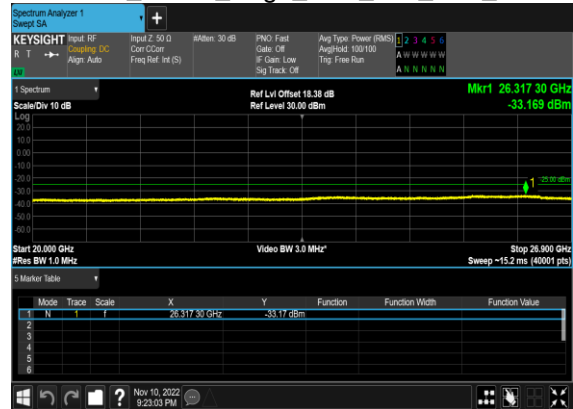
N41(10M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



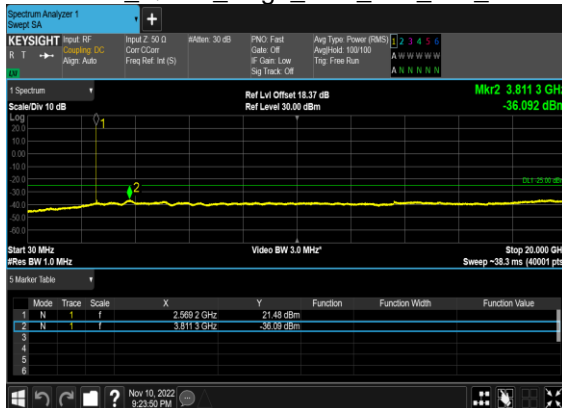
N41(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



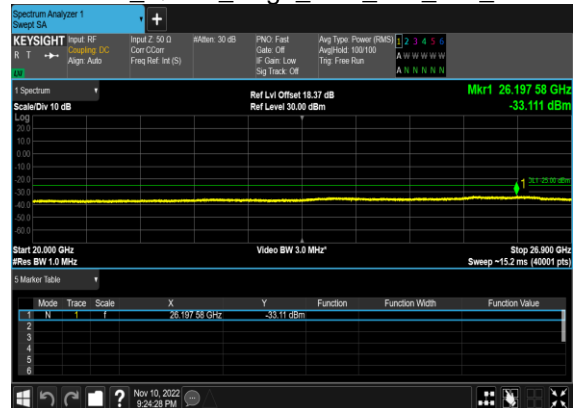
N41(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



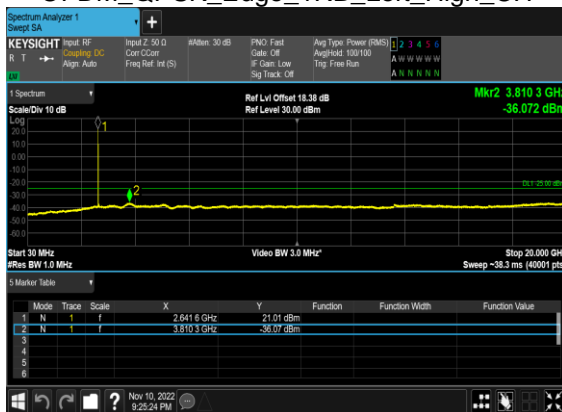
N41(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



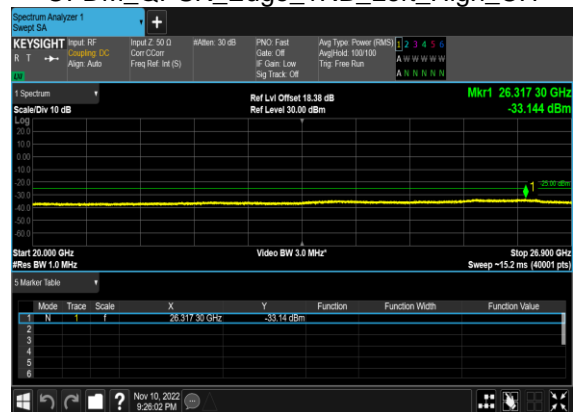
N41(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



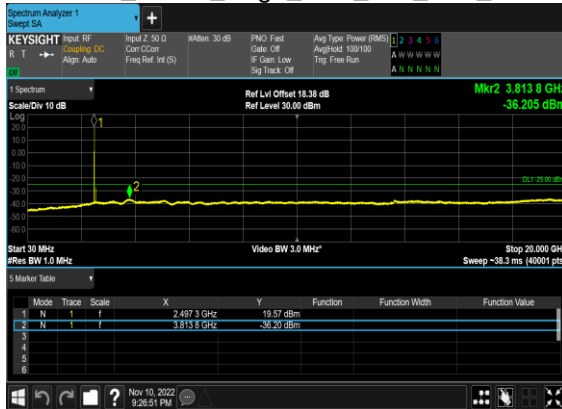
N41(50M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



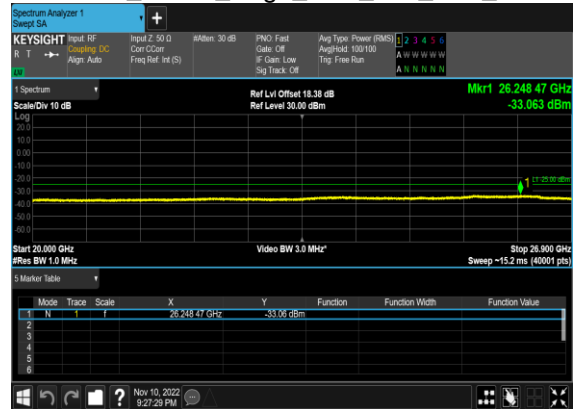
N41(50M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



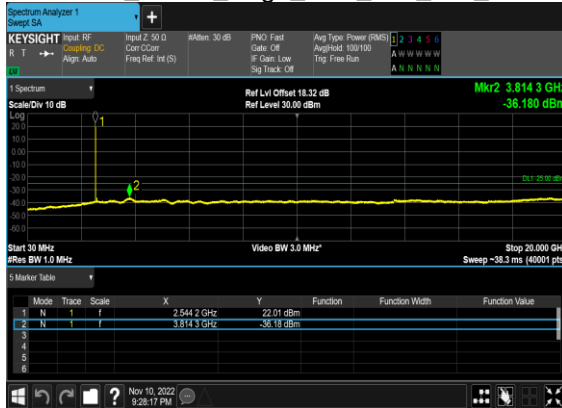
N41(100M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



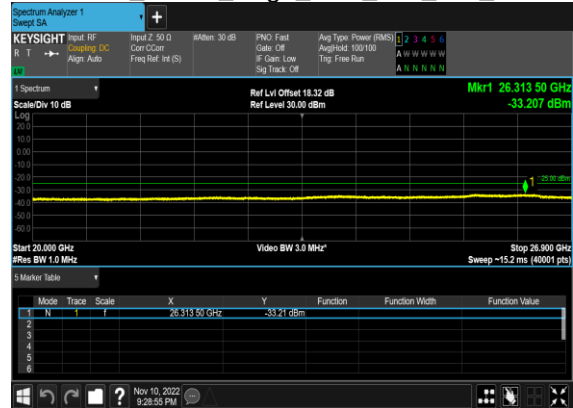
N41(100M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



N41(100M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



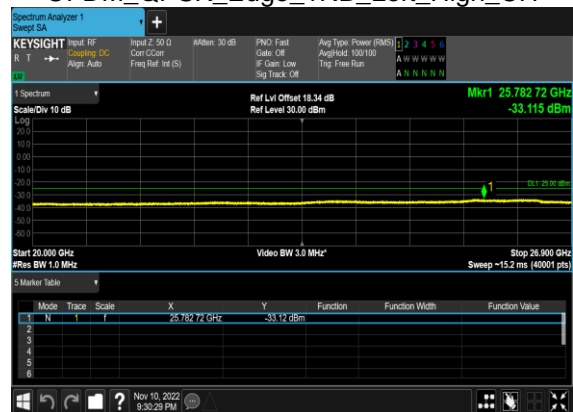
N41(100M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



N41(100M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



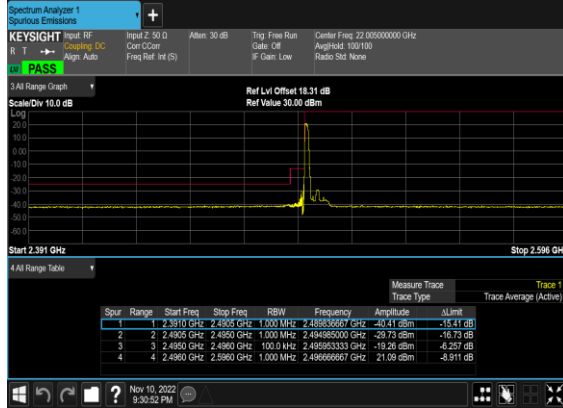
N41(100M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



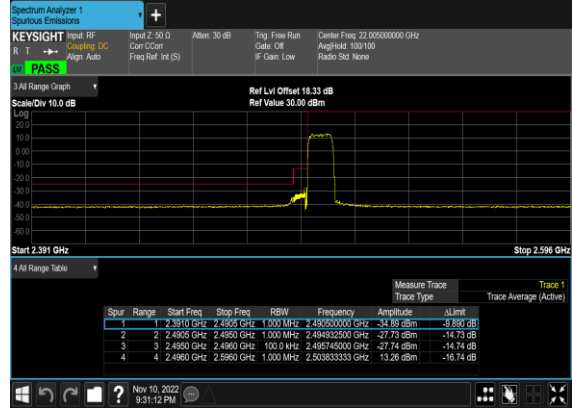
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	30	10	500202	2501.01	CP-OFDM QPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	CP-OFDM QPSK	24@0	see graph	PASS
41	30	10	537000	2685.0	CP-OFDM QPSK	1@23	see graph	PASS
41	30	10	537000	2685.0	CP-OFDM QPSK	24@0	see graph	PASS
41	30	50	504204	2521.02	CP-OFDM QPSK	1@0	see graph	PASS
41	30	50	504204	2521.02	CP-OFDM QPSK	133@0	see graph	PASS
41	30	50	532998	2664.99	CP-OFDM QPSK	1@132	see graph	PASS
41	30	50	532998	2664.99	CP-OFDM QPSK	133@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

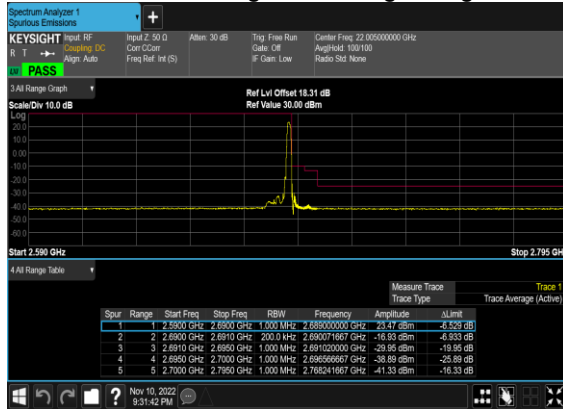
N41(10M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



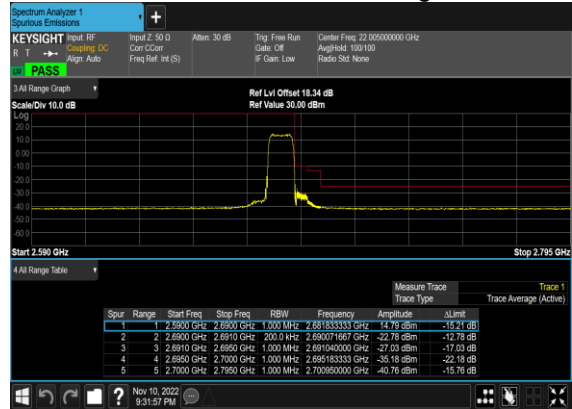
N41(10M)_CP- OFDM_QPSK_Outer_Full_Low_CH



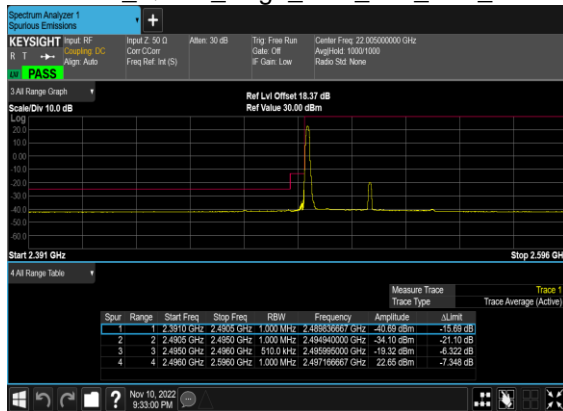
N41(10M)_CP- OFDM_QPSK_Edge_1RB_Right_High_CH



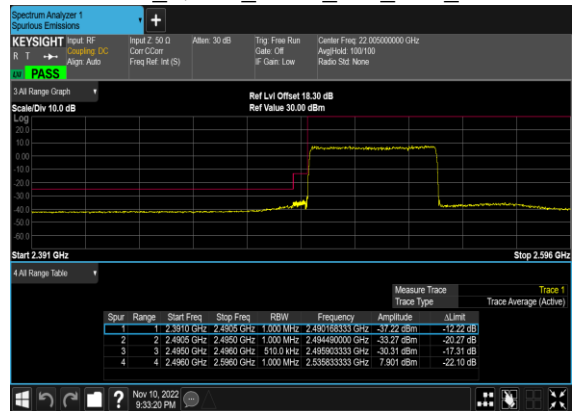
N41(10M)_CP- OFDM_QPSK_Outer_Full_High_CH



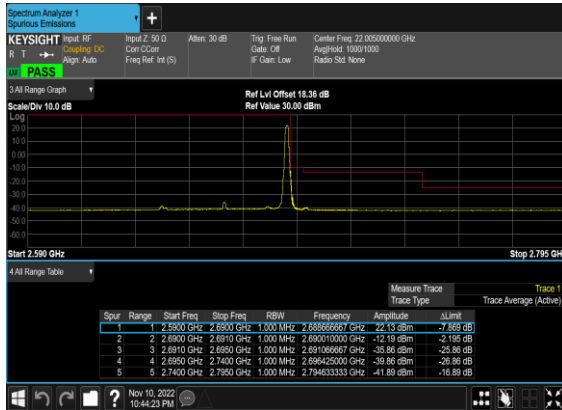
N41(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



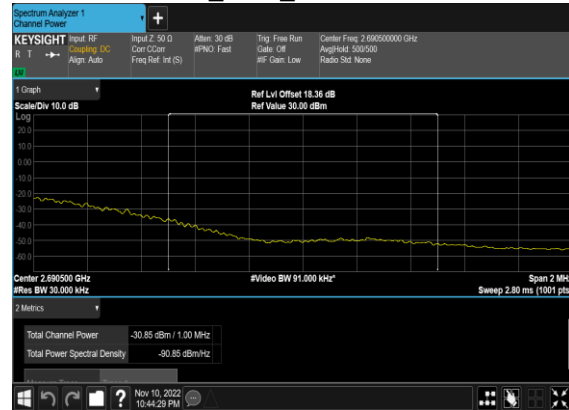
N41(50M)_CP- OFDM_QPSK_Outer_Full_Low_CH



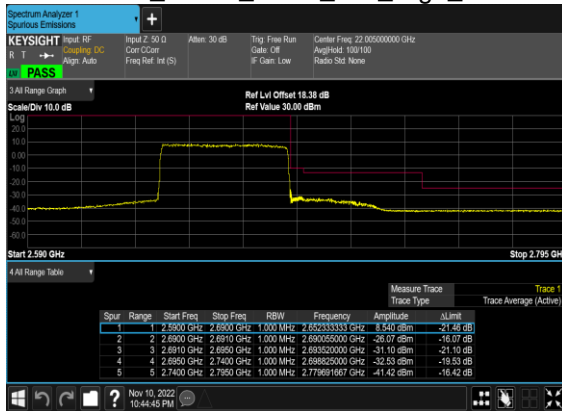
N41(50M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



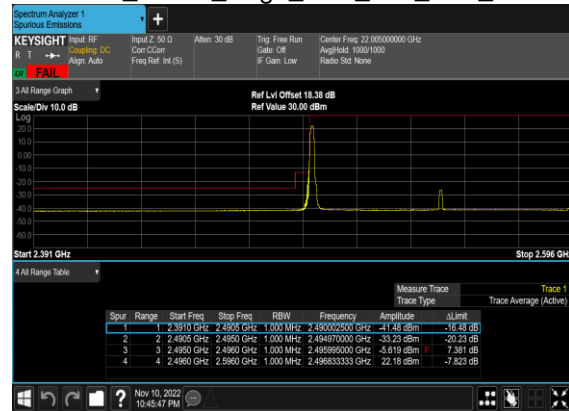
N41(50M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH
CHP_PASS



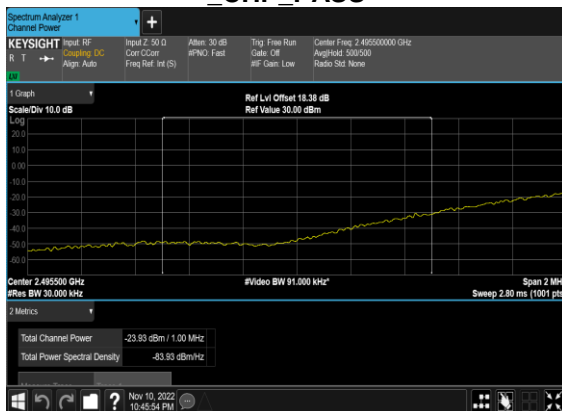
N41(50M)_CP-
OFDM_QPSK_Outer_Full_High_CH



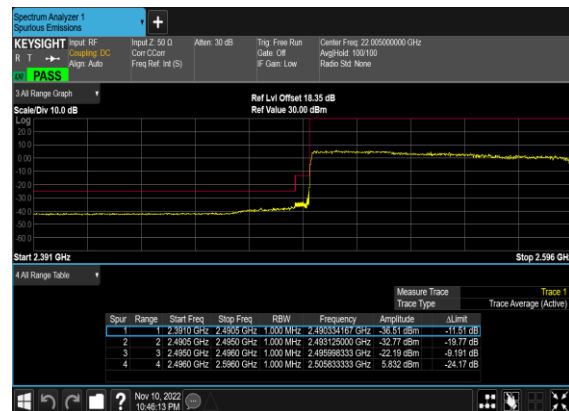
N41(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



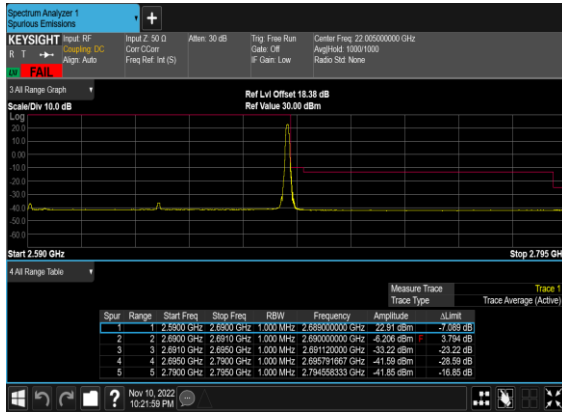
N41(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH
CHP_PASS



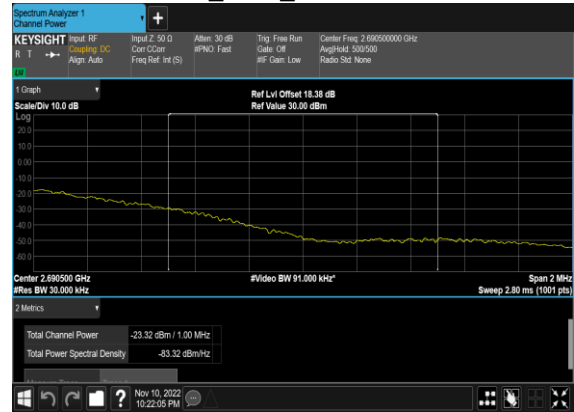
N41(100M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



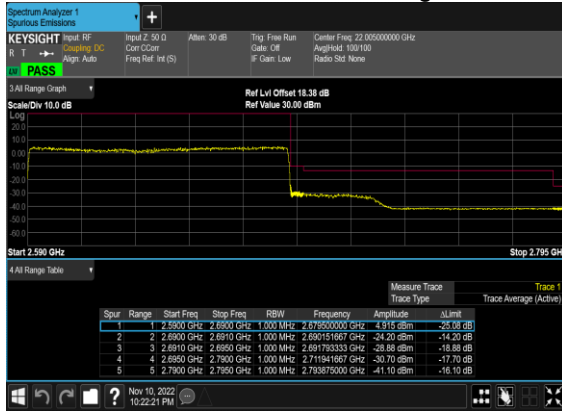
N41(100M)_CP- OFDM_QPSK_Edge_1RB_Right_High_CH



N41(100M)_CP- OFDM_QPSK_Edge_1RB_Right_High_CH _CHP_PASS



N41(100M)_CP- OFDM_QPSK_Outer_Full_High_CH



FR1 N41 MIMO-ANT6

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	0.0022	PASS	NV
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0052	PASS	LV
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0028	PASS	HV
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0022	PASS	-30°C
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0020	PASS	-20°C
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0051	PASS	-10°C
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0034	PASS	0°C
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0045	PASS	10°C
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0022	PASS	20°C
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0027	PASS	30°C
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0055	PASS	40°C
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0022	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	501204	2506.02	CP-OFDM QPSK	51@0	10.94	13	PASS
41	30	20	501204	2506.02	CP-OFDM QPSK	1@0	10.3	13	PASS
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	10.9	13	PASS
41	30	20	518598	2592.99	CP-OFDM QPSK	1@0	10.38	13	PASS
41	30	20	535998	2679.99	CP-OFDM QPSK	51@0	11.01	13	PASS
41	30	20	535998	2679.99	CP-OFDM QPSK	1@0	10.53	13	PASS

N41(20M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



N41(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



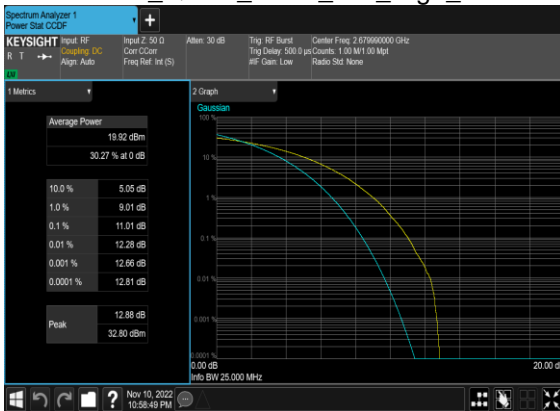
N41(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



N41(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N41(20M)_CP-
OFDM_QPSK_Outer_Full_High_CH



N41(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH

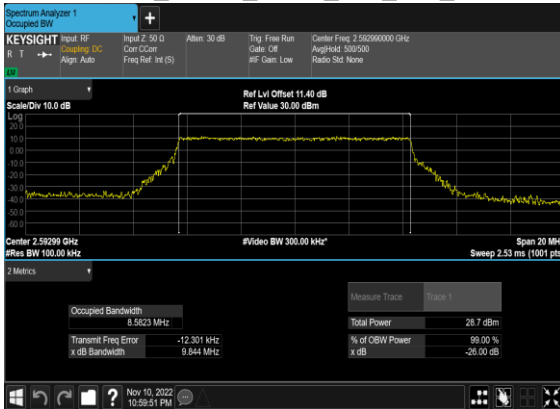


Occupied Bandwidth

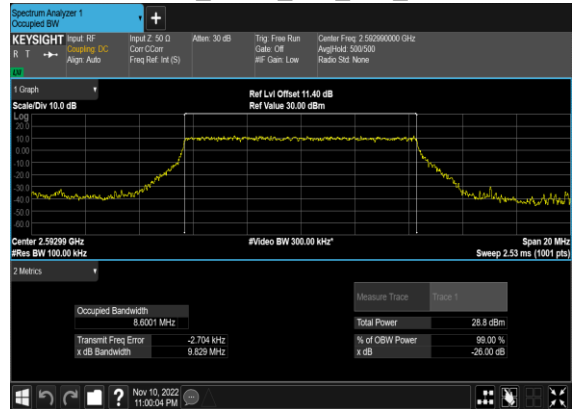
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
41	30	10	518598	2592.99	CP-OFDM QPSK	24@0	8.5823	9.844
41	30	10	518598	2592.99	CP-OFDM 16 QAM	24@0	8.6001	9.829
41	30	10	518598	2592.99	CP-OFDM 64 QAM	24@0	8.58	9.78
41	30	10	518598	2592.99	CP-OFDM 256 QAM	24@0	8.5871	9.839
41	30	15	518598	2592.99	CP-OFDM QPSK	38@0	13.582	15.01
41	30	15	518598	2592.99	CP-OFDM 16 QAM	38@0	13.538	14.68
41	30	15	518598	2592.99	CP-OFDM 64 QAM	38@0	13.588	14.79
41	30	15	518598	2592.99	CP-OFDM 256 QAM	38@0	13.581	15.14
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	18.205	19.49
41	30	20	518598	2592.99	CP-OFDM 16 QAM	51@0	18.262	19.74
41	30	20	518598	2592.99	CP-OFDM 64 QAM	51@0	18.227	19.54
41	30	20	518598	2592.99	CP-OFDM 256 QAM	51@0	18.193	19.42
41	30	30	518598	2592.99	CP-OFDM QPSK	78@0	27.87	29.54
41	30	30	518598	2592.99	CP-OFDM 16 QAM	78@0	27.847	29.42
41	30	30	518598	2592.99	CP-OFDM 64 QAM	78@0	27.844	29.25
41	30	30	518598	2592.99	CP-OFDM 256 QAM	78@0	27.856	29.73
41	30	40	518598	2592.99	CP-OFDM QPSK	106@0	37.866	39.84
41	30	40	518598	2592.99	CP-OFDM 16 QAM	106@0	37.92	39.56
41	30	40	518598	2592.99	CP-OFDM 64 QAM	106@0	37.854	39.68
41	30	40	518598	2592.99	CP-OFDM 256 QAM	106@0	37.837	39.56
41	30	50	518598	2592.99	CP-OFDM QPSK	133@0	47.493	49.59
41	30	50	518598	2592.99	CP-OFDM 16 QAM	133@0	47.573	49.46
41	30	50	518598	2592.99	CP-OFDM 64 QAM	133@0	47.61	49.8
41	30	50	518598	2592.99	CP-OFDM 256 QAM	133@0	47.499	49.36
41	30	60	518598	2592.99	CP-OFDM QPSK	162@0	57.923	60.16
41	30	60	518598	2592.99	CP-OFDM 16 QAM	162@0	57.953	59.95
41	30	60	518598	2592.99	CP-OFDM 64 QAM	162@0	57.949	60.12
41	30	60	518598	2592.99	CP-OFDM 256 QAM	162@0	57.925	59.91
41	30	70	518598	2592.99	CP-OFDM QPSK	189@0	67.622	69.78
41	30	70	518598	2592.99	CP-OFDM 16 QAM	189@0	67.537	69.96
41	30	70	518598	2592.99	CP-OFDM 64 QAM	189@0	67.492	69.76
41	30	70	518598	2592.99	CP-OFDM	189@0	67.582	69.91

256 QAM									
41	30	80	518598	2592.99	CP-OFDM QPSK	217@0	77.761	80.15	
41	30	80	518598	2592.99	CP-OFDM 16 QAM	217@0	77.695	80.23	
41	30	80	518598	2592.99	CP-OFDM 64 QAM	217@0	77.505	80.43	
41	30	80	518598	2592.99	CP-OFDM 256 QAM	217@0	77.634	80.29	
41	30	90	518598	2592.99	CP-OFDM QPSK	245@0	87.659	90.32	
41	30	90	518598	2592.99	CP-OFDM 16 QAM	245@0	87.634	90.37	
41	30	90	518598	2592.99	CP-OFDM 64 QAM	245@0	87.753	90.29	
41	30	90	518598	2592.99	CP-OFDM 256 QAM	245@0	87.853	90.49	
41	30	100	518598	2592.99	CP-OFDM QPSK	273@0	97.755	100.5	
41	30	100	518598	2592.99	CP-OFDM 16 QAM	273@0	97.771	100.7	
41	30	100	518598	2592.99	CP-OFDM 64 QAM	273@0	97.74	100.7	
41	30	100	518598	2592.99	CP-OFDM 256 QAM	273@0	97.63	100.8	

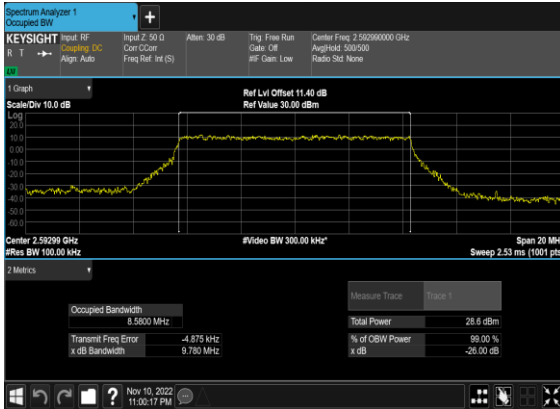
N41(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



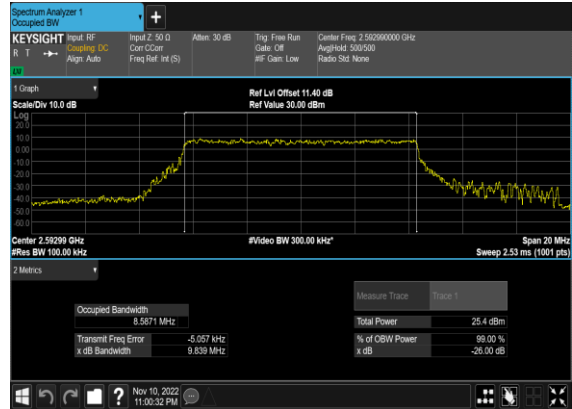
N41(10M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



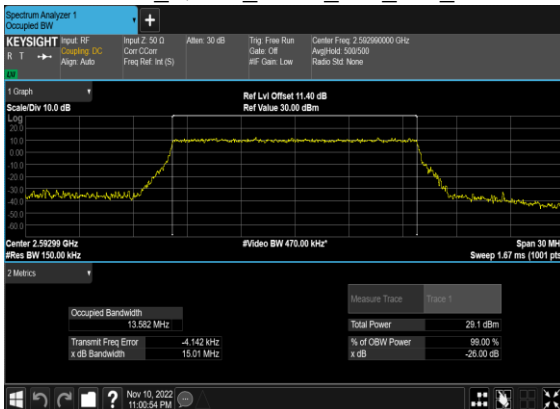
N41(10M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



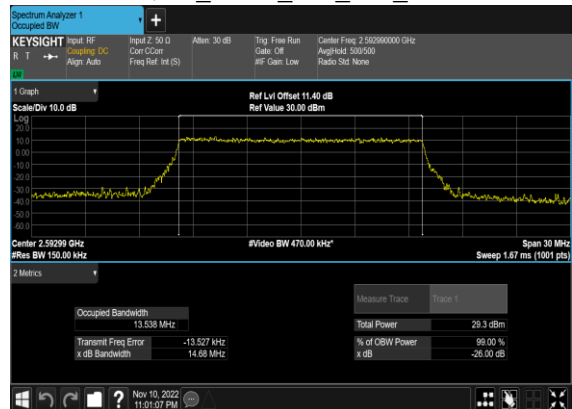
N41(10M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



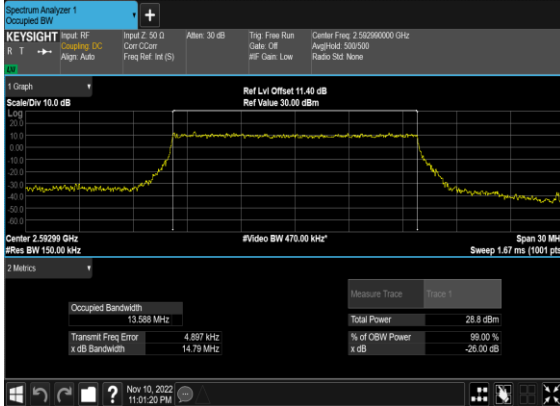
N41(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N41(15M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



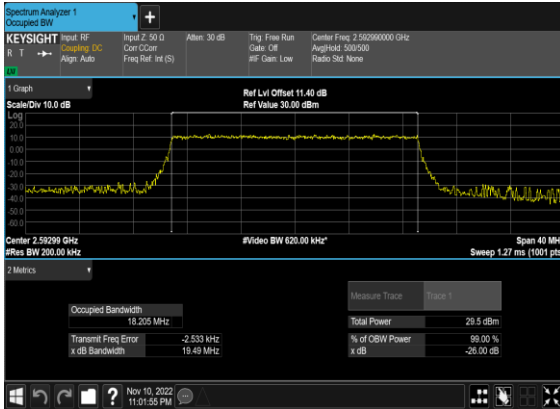
N41(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



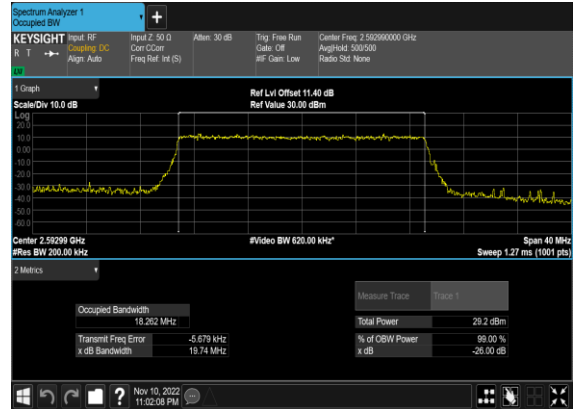
N41(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



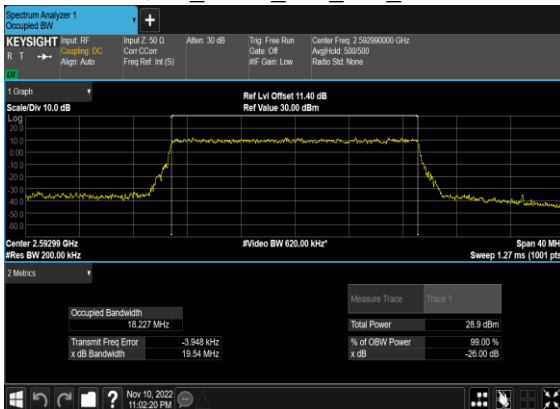
N41(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



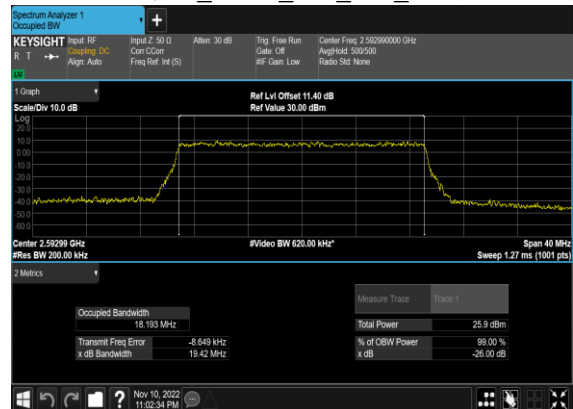
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QAM_Outer_Full_Mid_CH



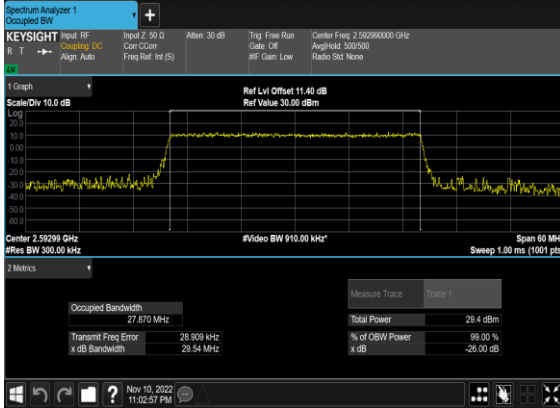
N41(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



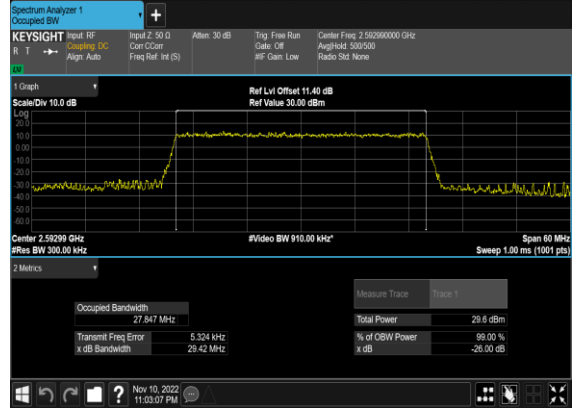
N41(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



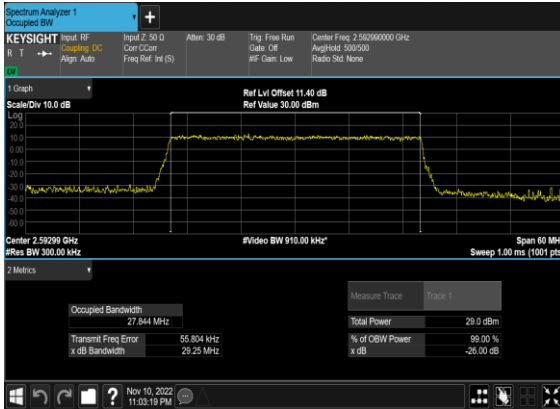
N41(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



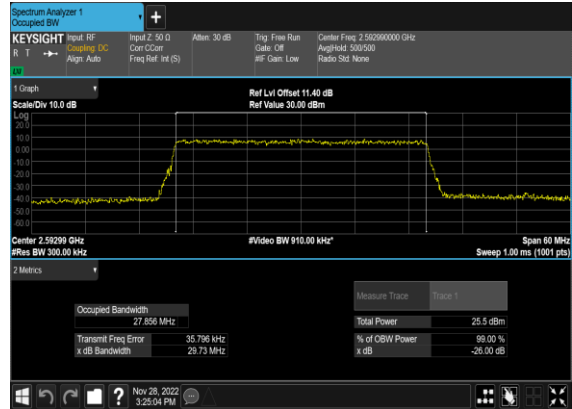
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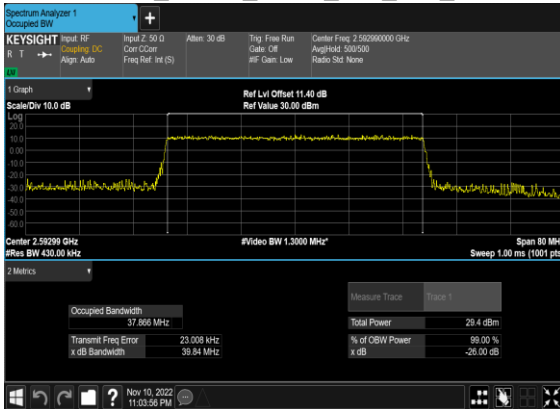
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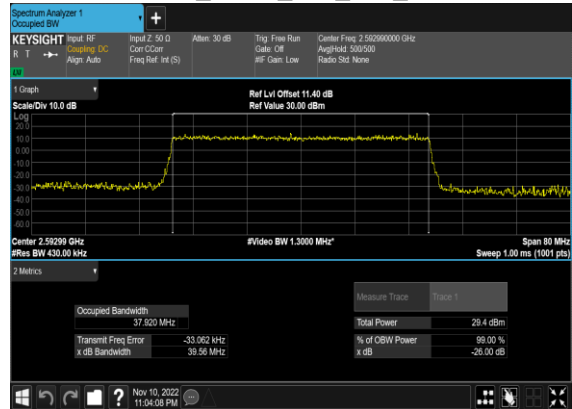
N41(30M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



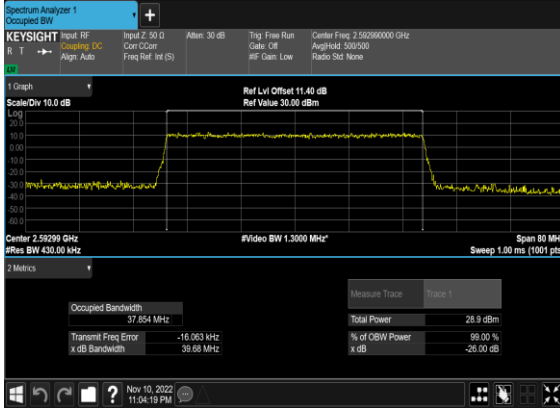
N41(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



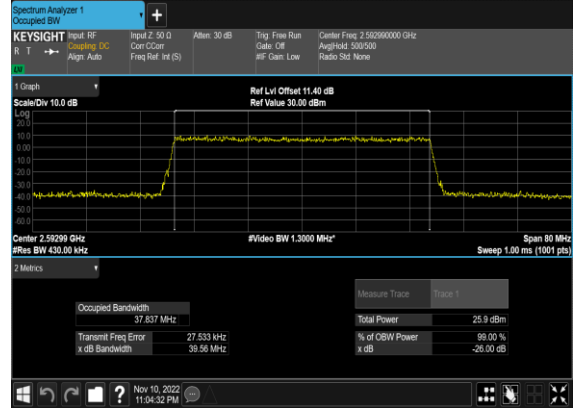
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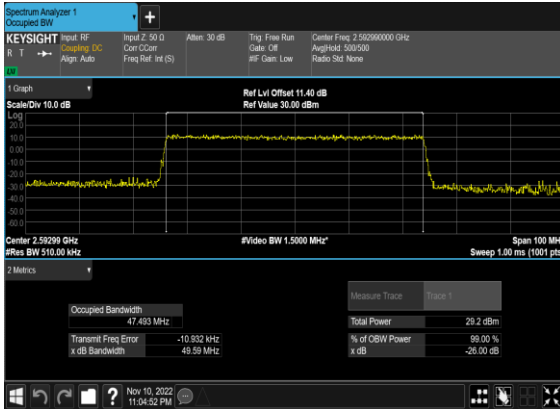
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QAM_Outer_Full_Mid_CH



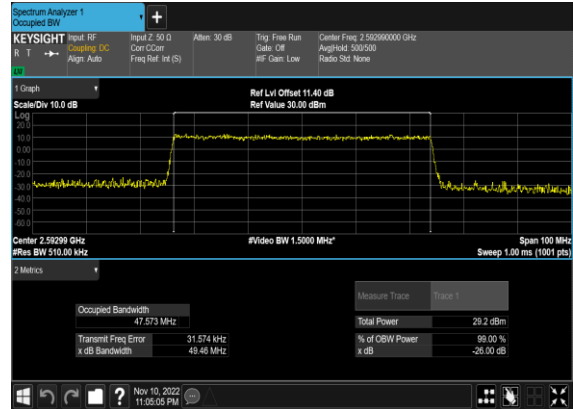
N41(40M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



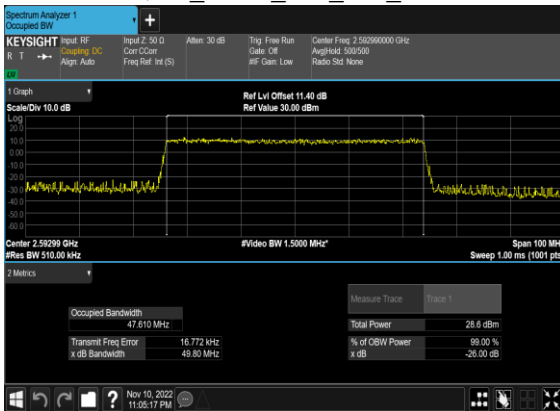
N41(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



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

