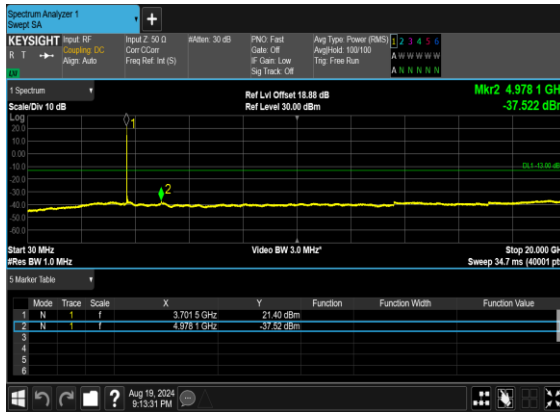
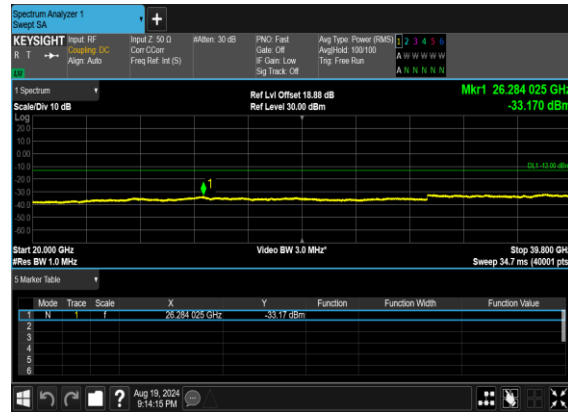




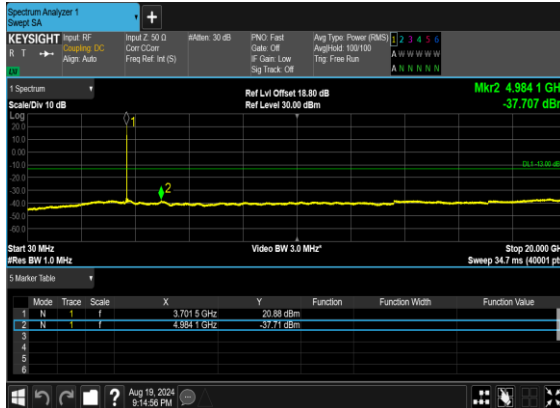
N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



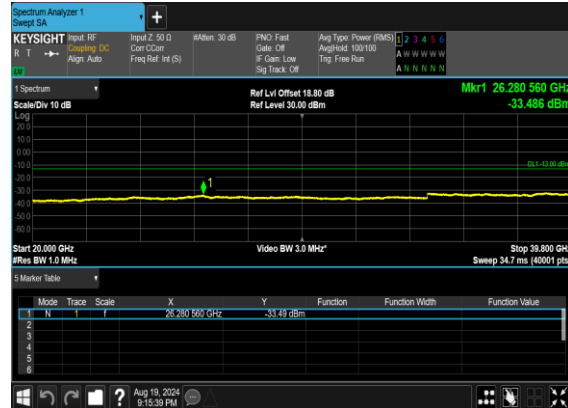
N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

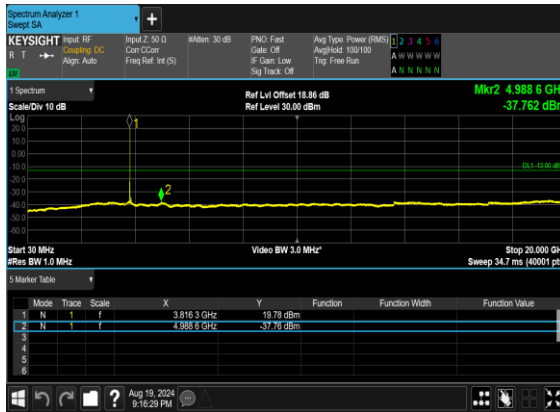


N77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

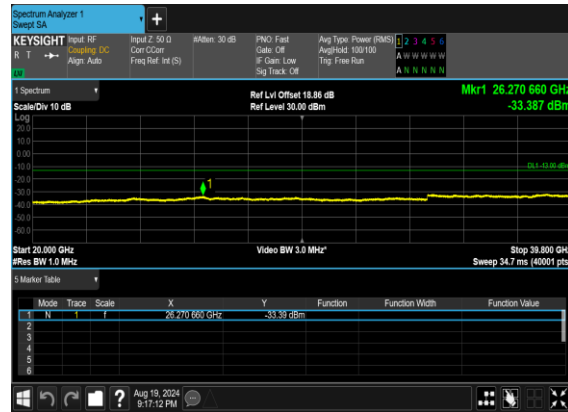




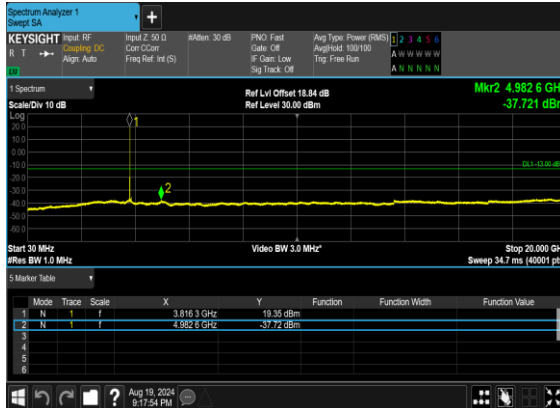
N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



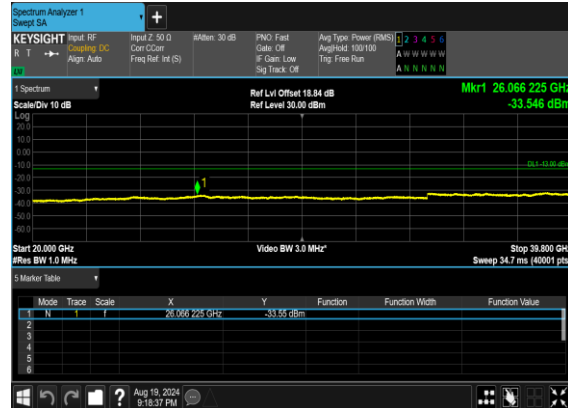
N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

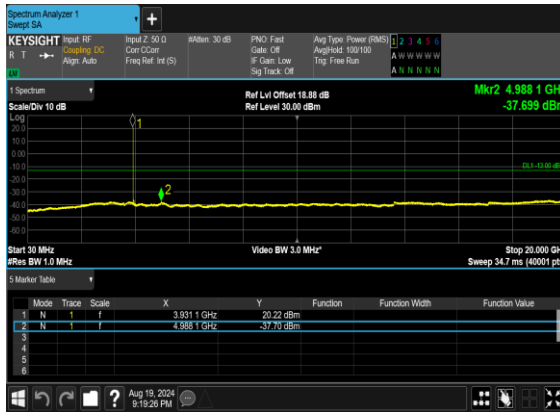


N77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

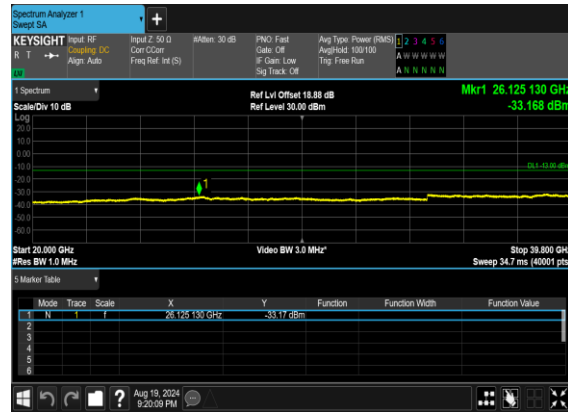




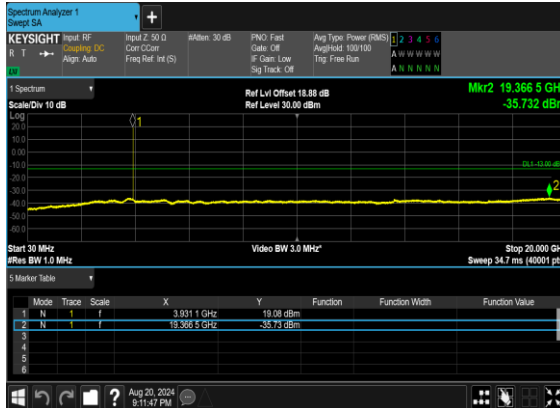
N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



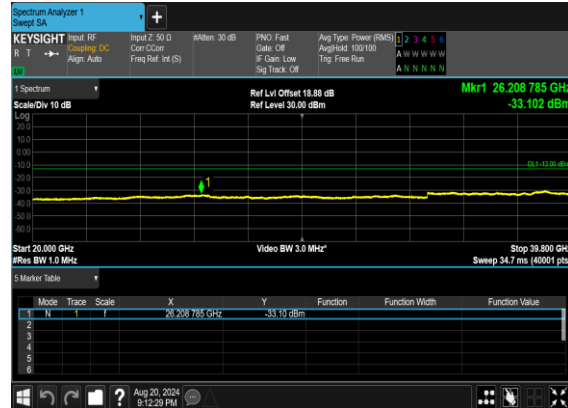
N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH

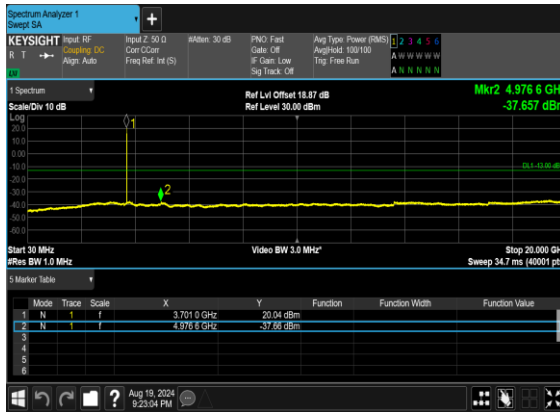


N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH

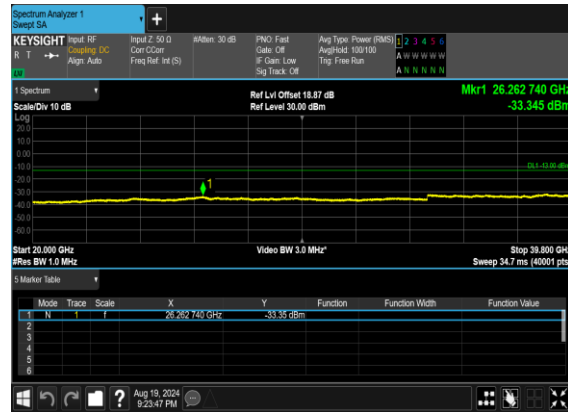




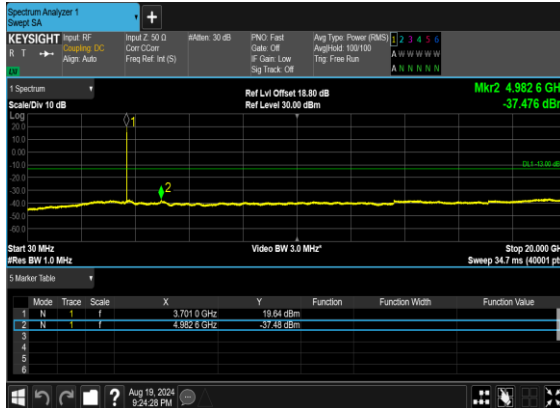
N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



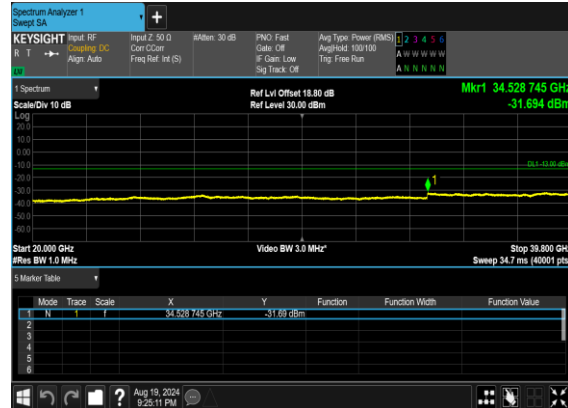
N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

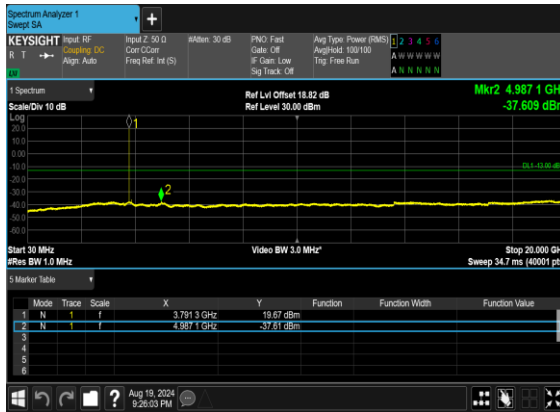


N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

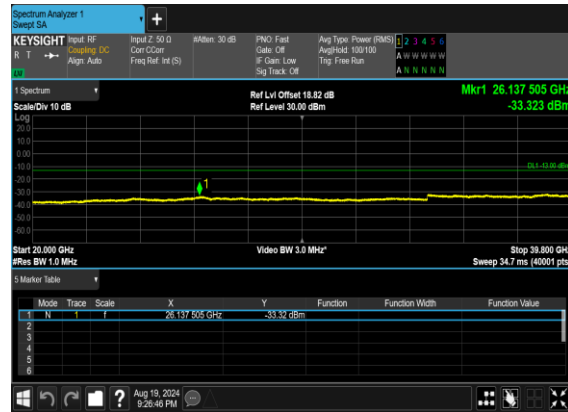




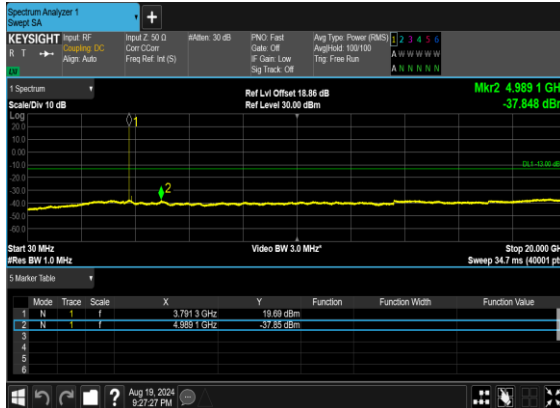
N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



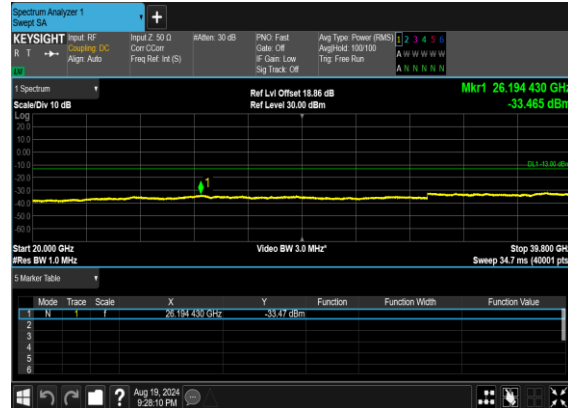
N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

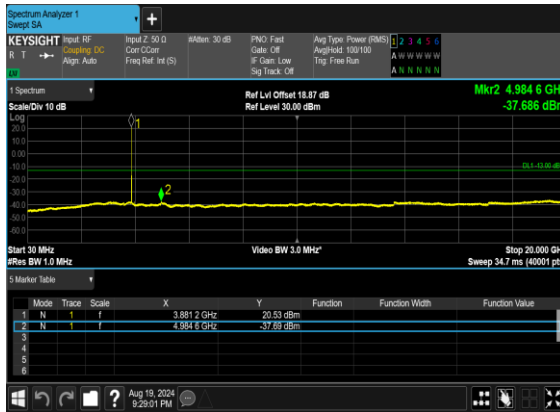


N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

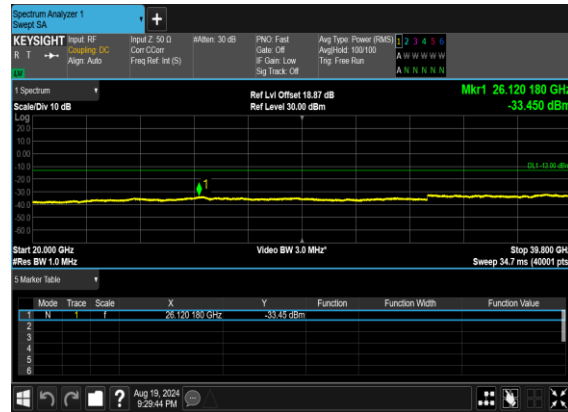




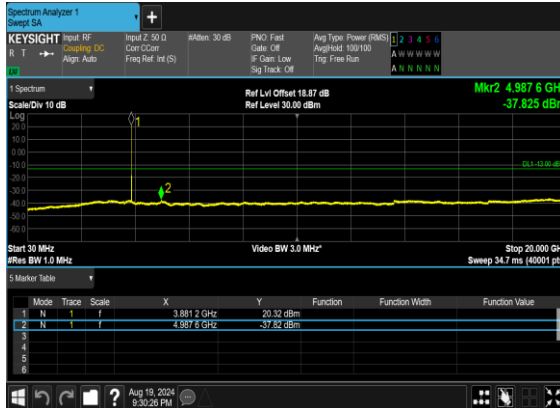
N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



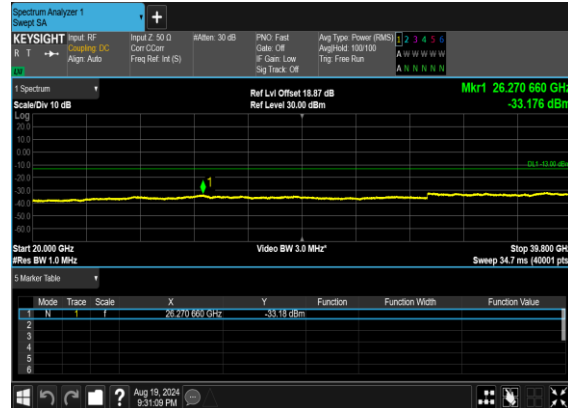
N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

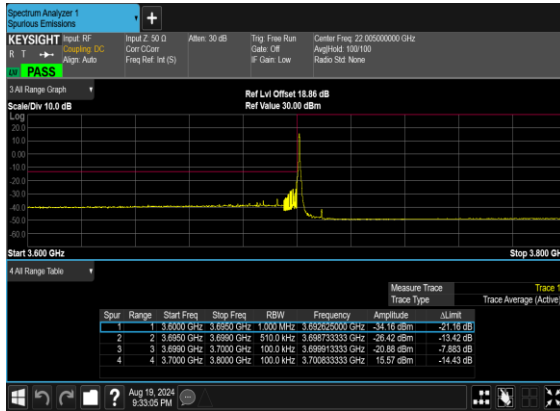


**Conducted Band Edge**

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	24@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	24@0	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	1@23	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	1@23	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	24@0	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	24@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM BPSK	128@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	128@0	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	1@132	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@132	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	128@0	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	128@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	270@0	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@272	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@272	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	270@0	see graph	PASS



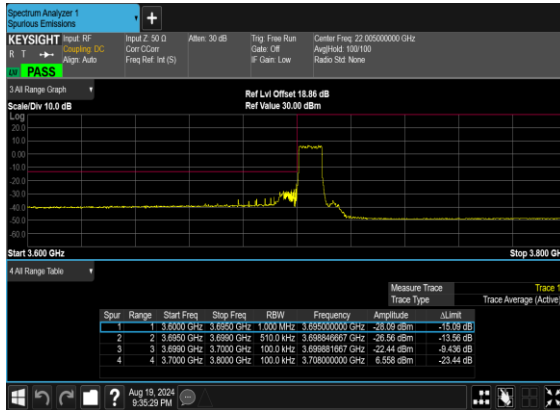
N77(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



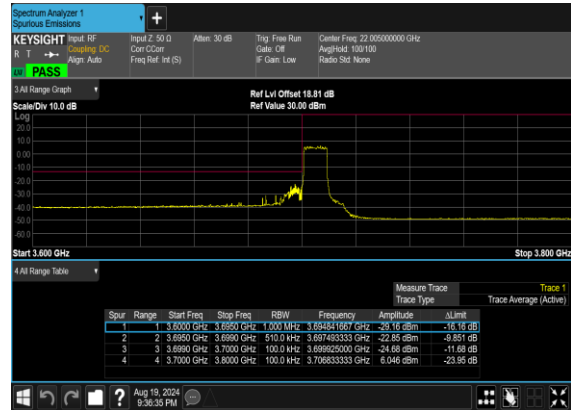
N77(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(10M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



N77(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH





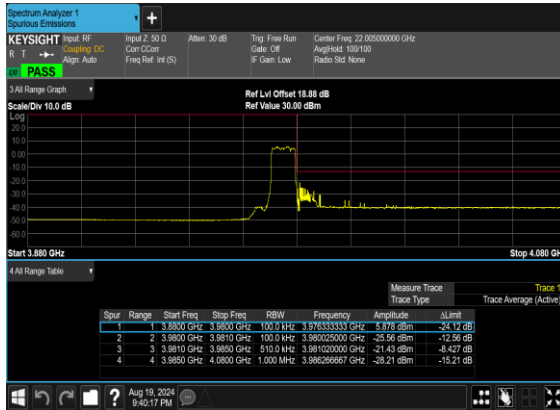
N77(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



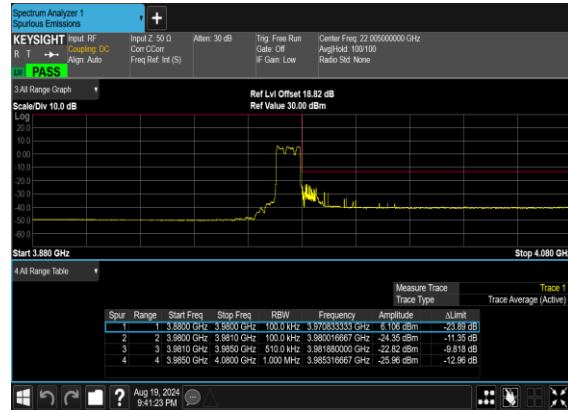
N77(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N77(10M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

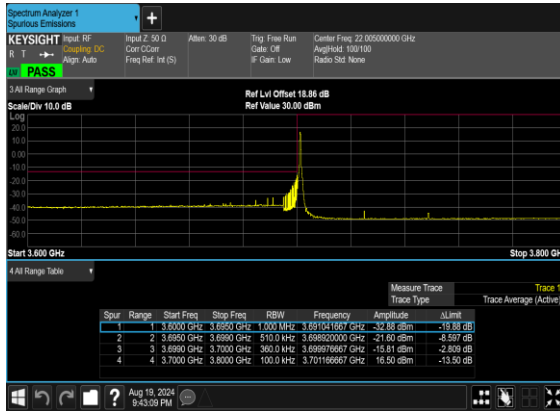


N77(10M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

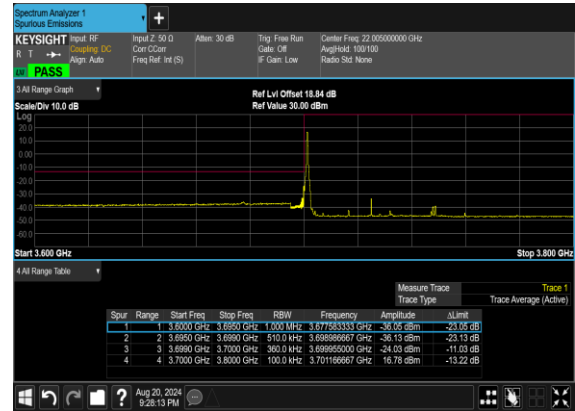




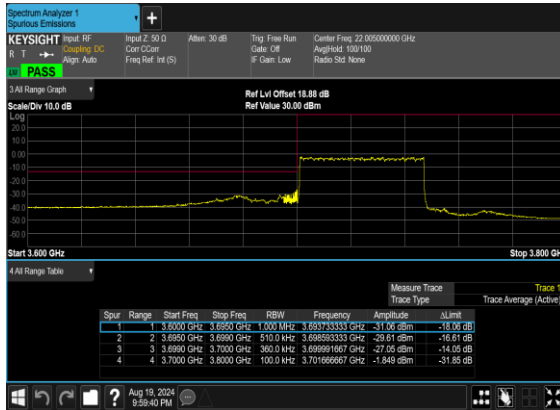
N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



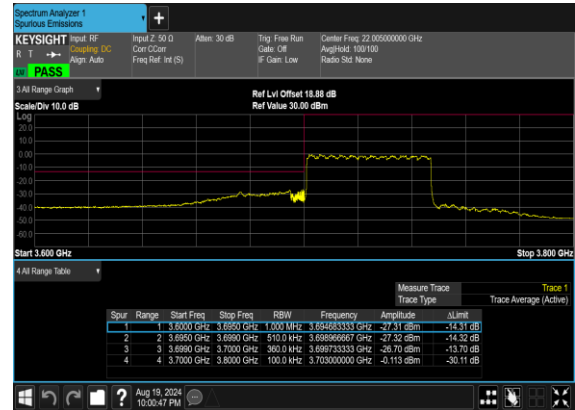
N77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(50M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

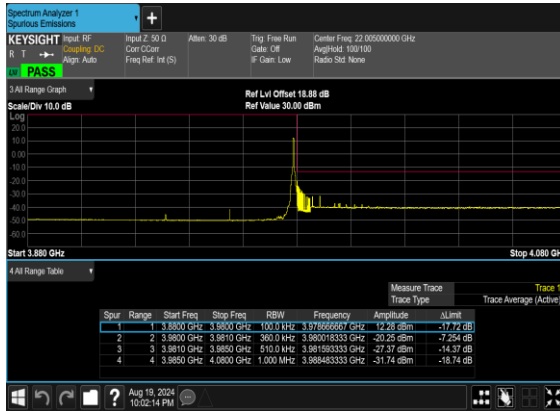


N77(50M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH





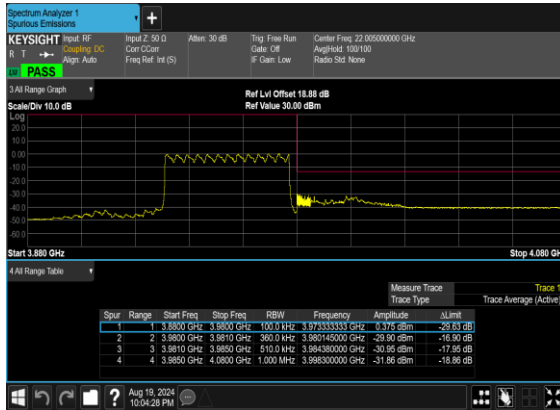
N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



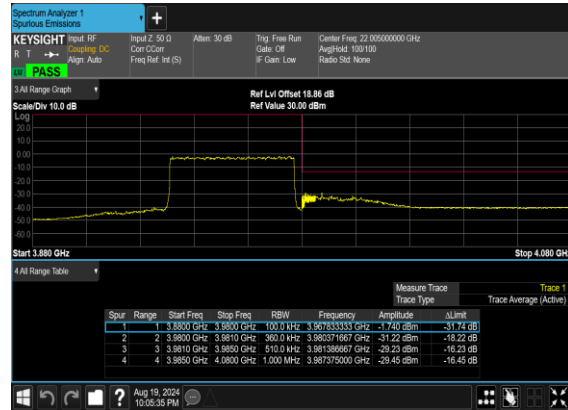
N77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N77(50M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

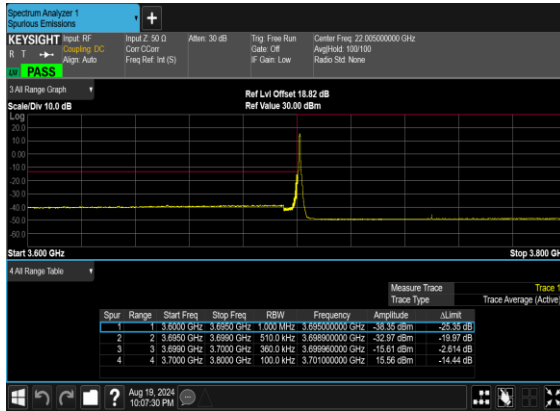


N77(50M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

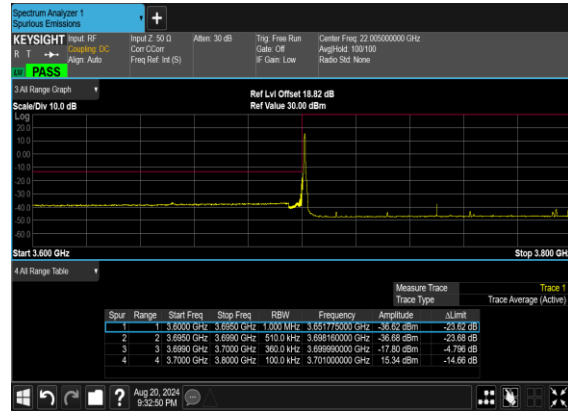




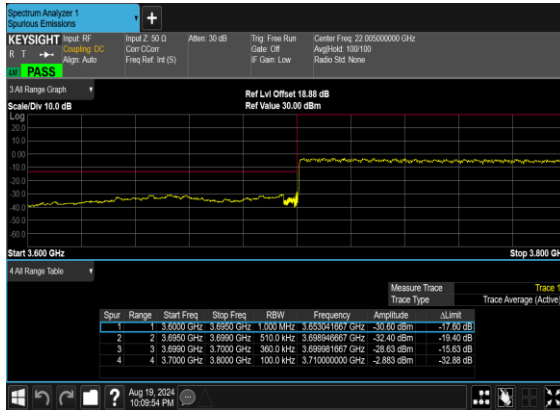
N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



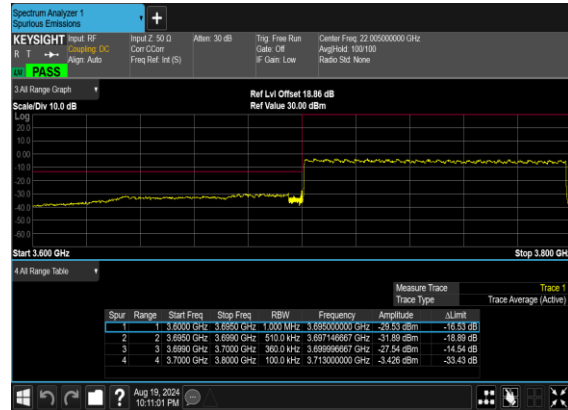
N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(100M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

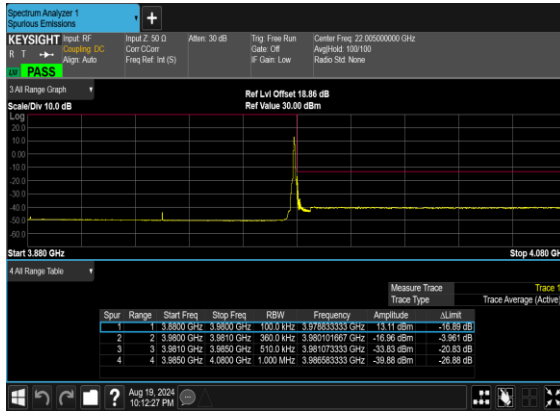


N77(100M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

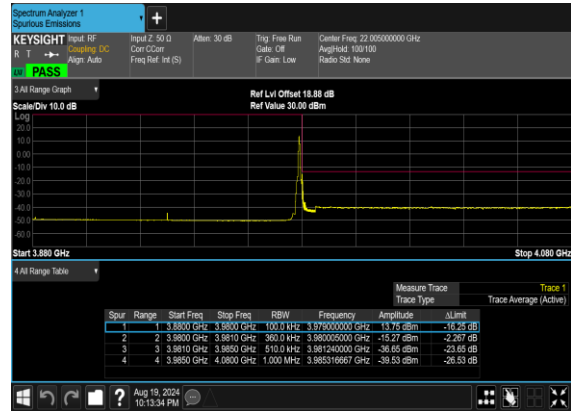




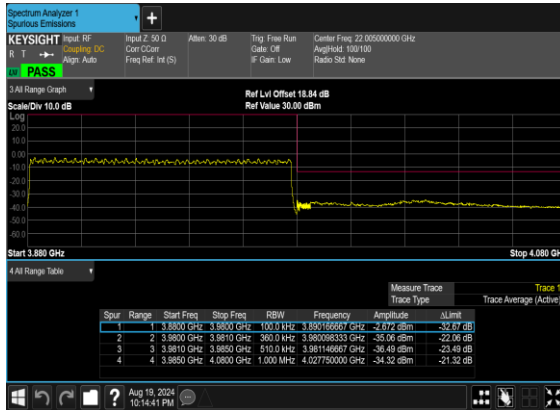
N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



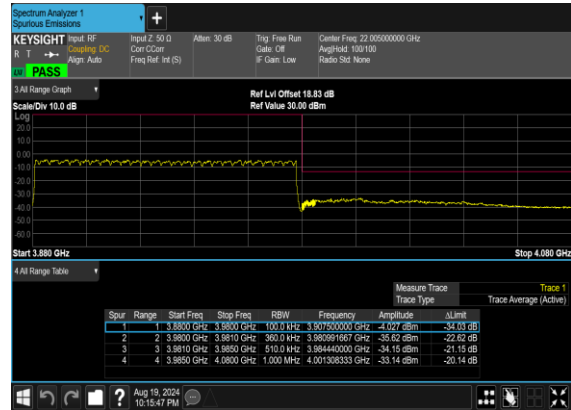
N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N77(100M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



N77(100M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





Software Version: 23.06.1602

FR1 N77 MIMO-Ant 1

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (Hz)	Verdict	Environment
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	14.6	PASS	NV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	11.1	PASS	LV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	16.6	PASS	HV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	11.4	PASS	-30℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	13.1	PASS	-20℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	14	PASS	-10℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	17.9	PASS	0℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	11.2	PASS	10℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	17.5	PASS	20℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	13.6	PASS	30℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	12.3	PASS	40℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	15.7	PASS	50℃

|MAX(Δf)| = 17.9 Hz

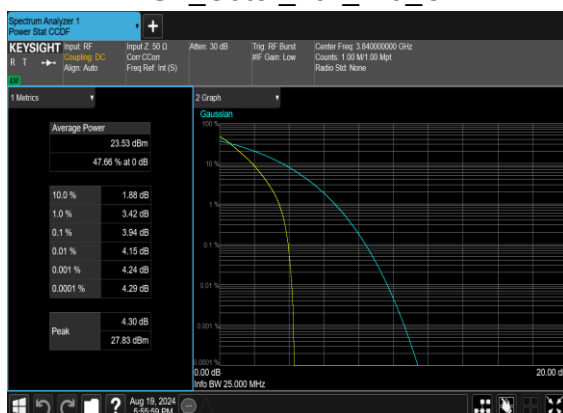
Frequency Stability	Frequency (MHz)	Limit Line	Result
fL - MAX(Δf)	3700.781655	≥ 3700 MHz	PASS
fH + MAX(Δf)	3978.781384	≤ 3980 MHz	



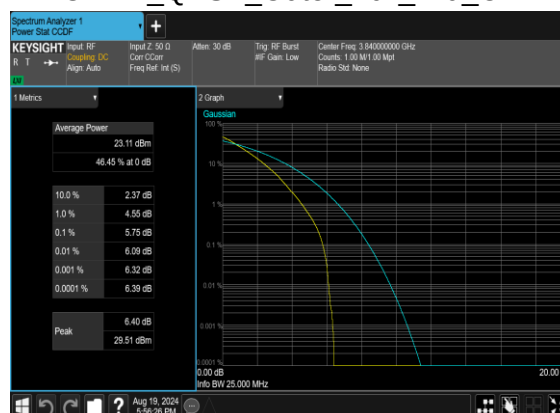
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	30	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	50@0	3.94	13	PASS
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	5.75	13	PASS

N77(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



N77(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)
77	30	10	656000	3840.0	CP-OFDM QPSK	24@0	8.5933	9.708
77	30	10	656000	3840.0	CP-OFDM 16 QAM	24@0	8.5899	9.299
77	30	10	656000	3840.0	CP-OFDM 64 QAM	24@0	8.5607	9.782
77	30	10	656000	3840.0	CP-OFDM 256 QAM	24@0	8.5779	9.44
77	30	15	656000	3840.0	CP-OFDM QPSK	38@0	13.602	14.67
77	30	15	656000	3840.0	CP-OFDM 16 QAM	38@0	13.607	14.93
77	30	15	656000	3840.0	CP-OFDM 64 QAM	38@0	13.567	14.74
77	30	15	656000	3840.0	CP-OFDM 256 QAM	38@0	13.573	14.57
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	18.212	19.4
77	30	20	656000	3840.0	CP-OFDM 16 QAM	51@0	18.213	19.81
77	30	20	656000	3840.0	CP-OFDM 64 QAM	51@0	18.199	19.43
77	30	20	656000	3840.0	CP-OFDM 256 QAM	51@0	18.122	19.59
77	30	25	656000	3840.0	CP-OFDM QPSK	65@0	23.185	24.38
77	30	25	656000	3840.0	CP-OFDM 16 QAM	65@0	23.241	25.83
77	30	25	656000	3840.0	CP-OFDM 64 QAM	65@0	23.22	24.59
77	30	25	656000	3840.0	CP-OFDM 256 QAM	65@0	23.195	24.39
77	30	30	656000	3840.0	CP-OFDM QPSK	78@0	27.762	28.94
77	30	30	656000	3840.0	CP-OFDM 16 QAM	78@0	27.763	28.88
77	30	30	656000	3840.0	CP-OFDM 64 QAM	78@0	27.859	28.92
77	30	30	656000	3840.0	CP-OFDM 256 QAM	78@0	27.874	29.68
77	30	40	656000	3840.0	CP-OFDM QPSK	106@0	37.814	39.61
77	30	40	656000	3840.0	CP-OFDM 16 QAM	106@0	37.856	39.16
77	30	40	656000	3840.0	CP-OFDM 64 QAM	106@0	37.88	39.65
77	30	40	656000	3840.0	CP-OFDM 256 QAM	106@0	37.899	41.36
77	30	50	656000	3840.0	CP-OFDM QPSK	133@0	47.547	49.08
77	30	50	656000	3840.0	CP-OFDM 16 QAM	133@0	47.425	49.28
77	30	50	656000	3840.0	CP-OFDM 64 QAM	133@0	47.506	49.1
77	30	50	656000	3840.0	CP-OFDM 256 QAM	133@0	47.475	49.47
77	30	60	656000	3840.0	CP-OFDM QPSK	162@0	57.807	59.76
77	30	60	656000	3840.0	CP-OFDM 16 QAM	162@0	57.847	60.15
77	30	60	656000	3840.0	CP-OFDM 64 QAM	162@0	57.752	59.83
77	30	60	656000	3840.0	CP-OFDM 256 QAM	162@0	57.945	59.77
77	30	70	656000	3840.0	CP-OFDM QPSK	189@0	67.461	69.71
77	30	70	656000	3840.0	CP-OFDM 16 QAM	189@0	67.324	69.8
77	30	70	656000	3840.0	CP-OFDM 64 QAM	189@0	67.469	69.67
77	30	70	656000	3840.0	CP-OFDM 256 QAM	189@0	67.662	69.89



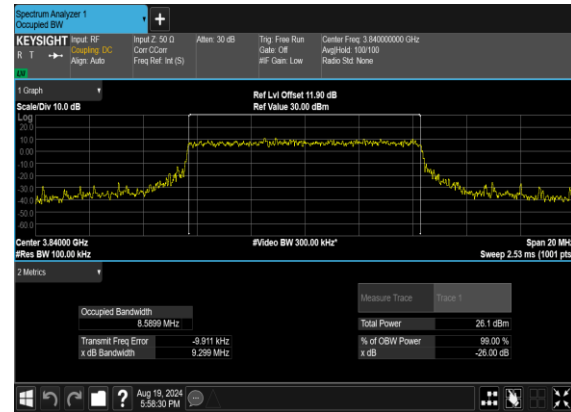
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77	30	80	656000	3840.0	CP-OFDM 64 QAM	217@0	77.589	79.94
77	30	80	656000	3840.0	CP-OFDM 256 QAM	217@0	77.521	79.86
77	30	90	656000	3840.0	CP-OFDM QPSK	245@0	87.643	90.32
77	30	90	656000	3840.0	CP-OFDM 16 QAM	245@0	87.381	90.2
77	30	90	656000	3840.0	CP-OFDM 64 QAM	245@0	87.477	90.3
77	30	90	656000	3840.0	CP-OFDM 256 QAM	245@0	87.583	90.37
77	30	100	656000	3840.0	CP-OFDM QPSK	273@0	97.545	100.4
77	30	100	656000	3840.0	CP-OFDM 16 QAM	273@0	97.581	100.7
77	30	100	656000	3840.0	CP-OFDM 64 QAM	273@0	97.454	100.4
77	30	100	656000	3840.0	CP-OFDM 256 QAM	273@0	97.927	100.7



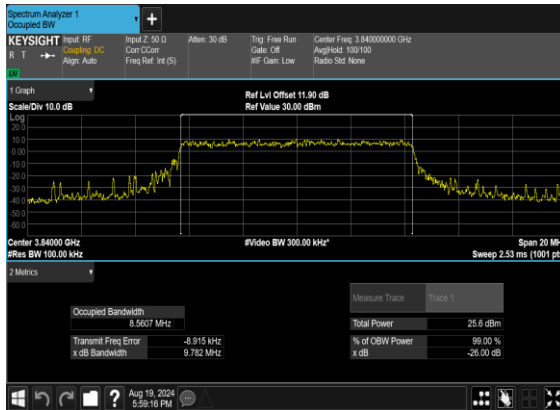
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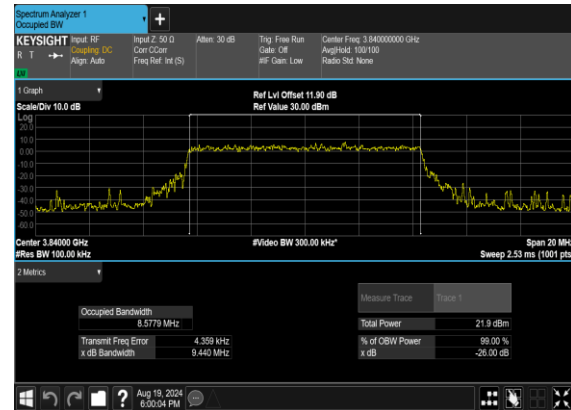
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N77(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

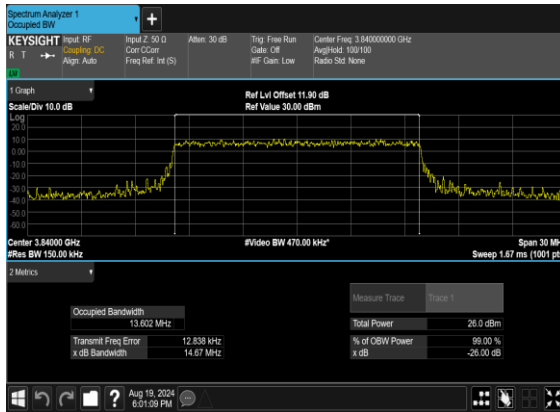


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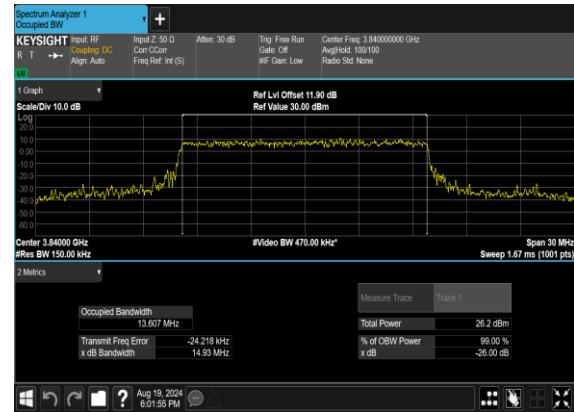




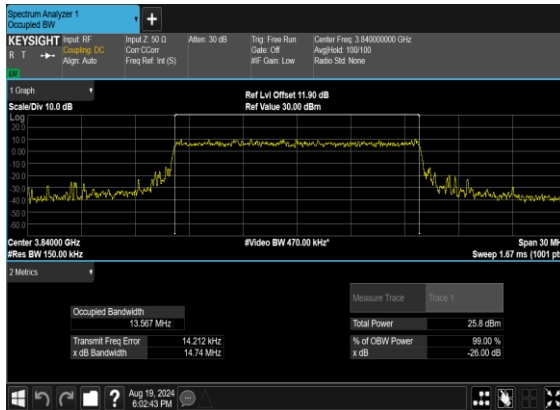
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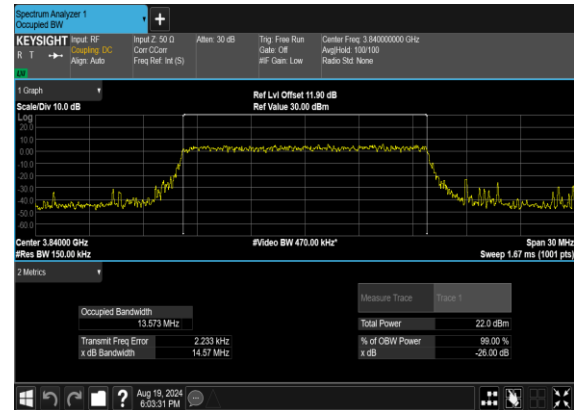
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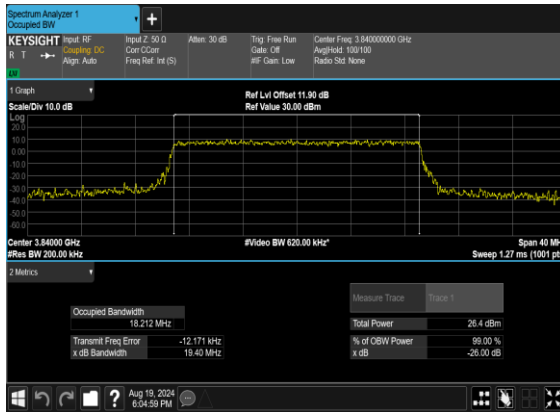


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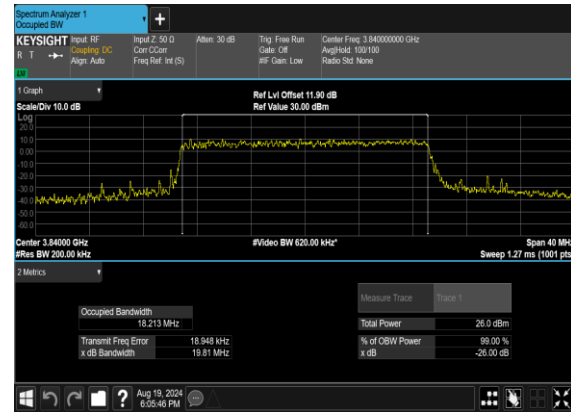




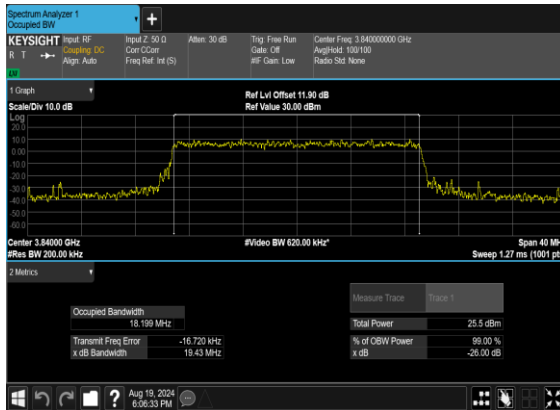
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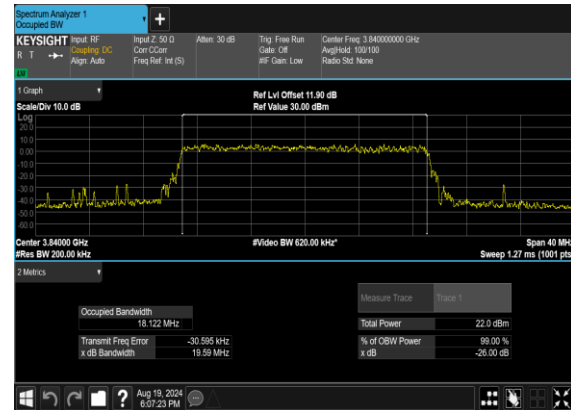
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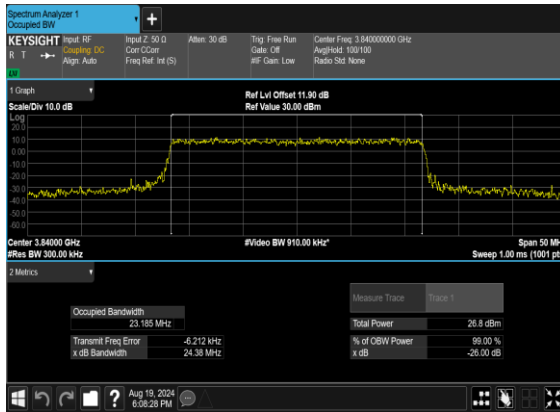


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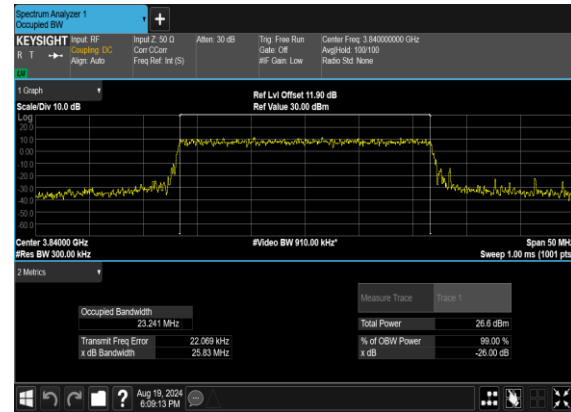




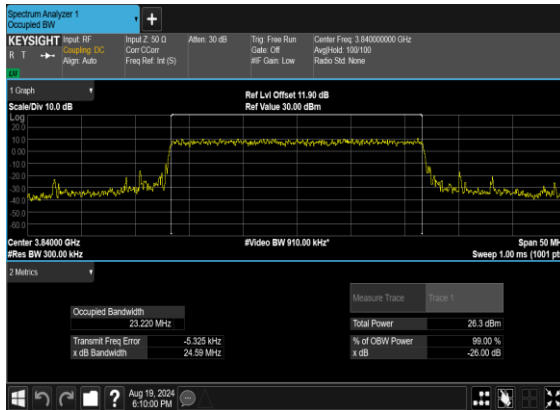
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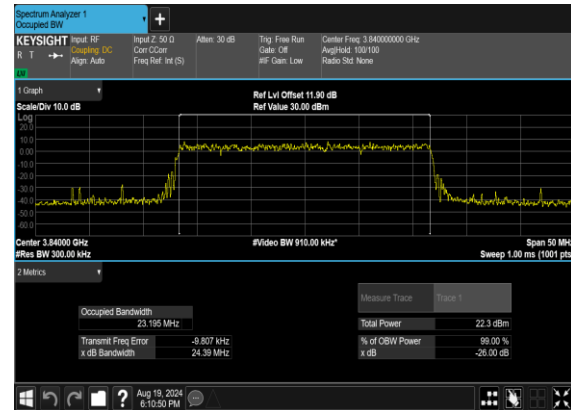
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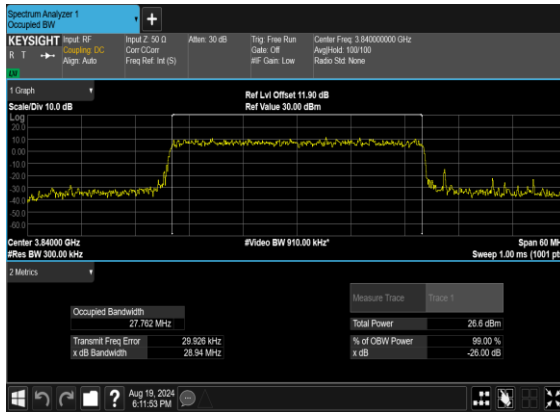


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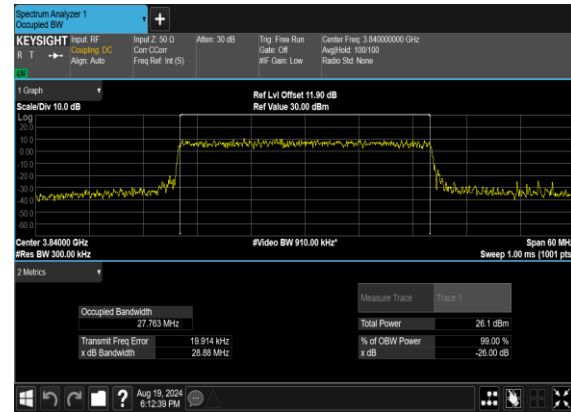




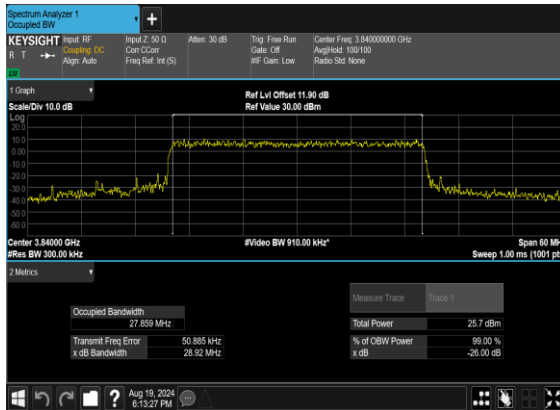
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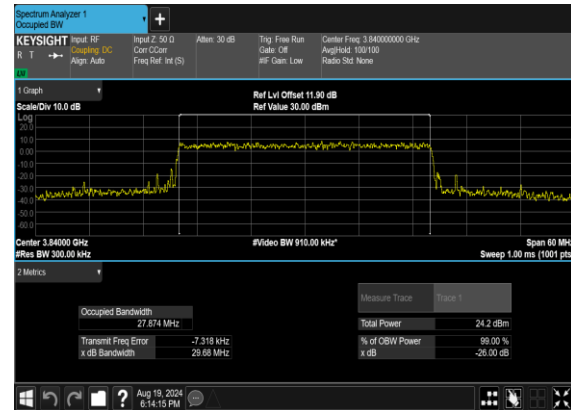
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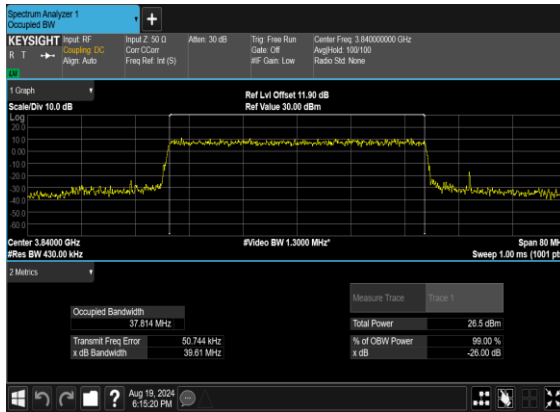


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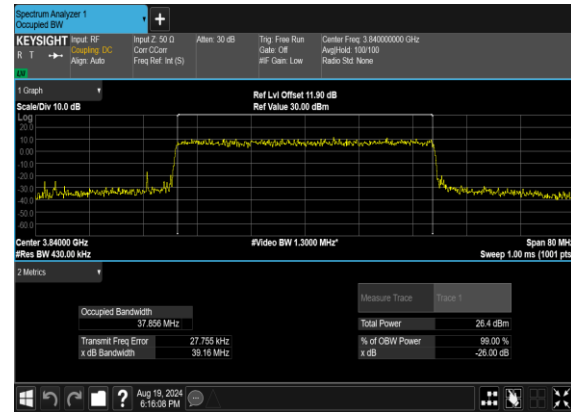




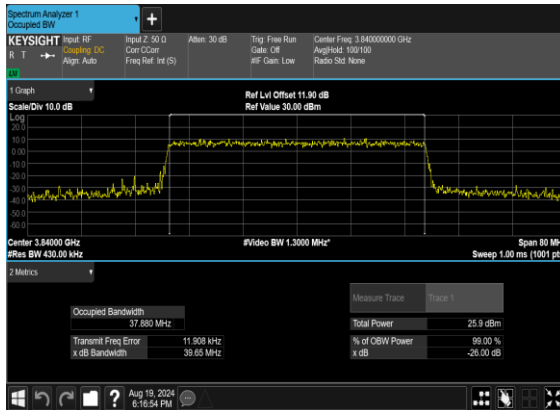
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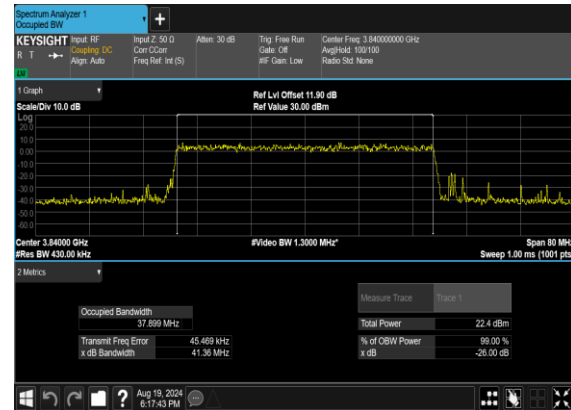
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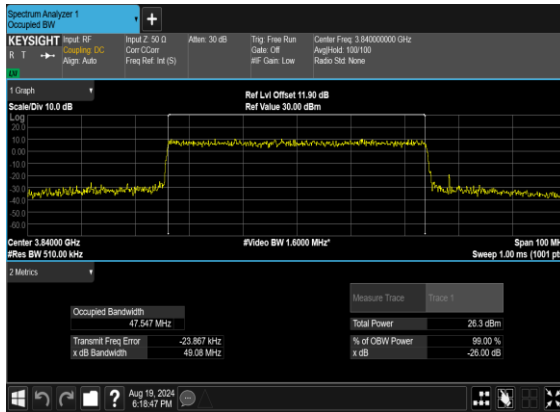


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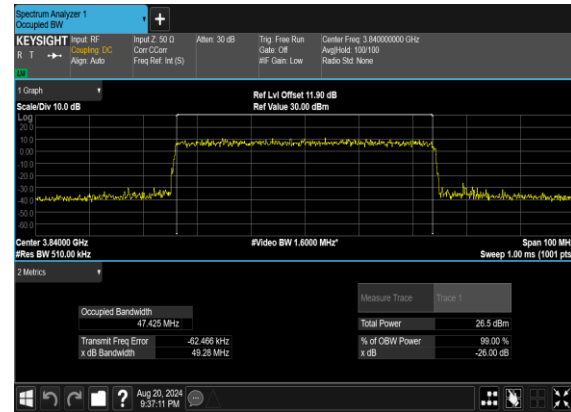




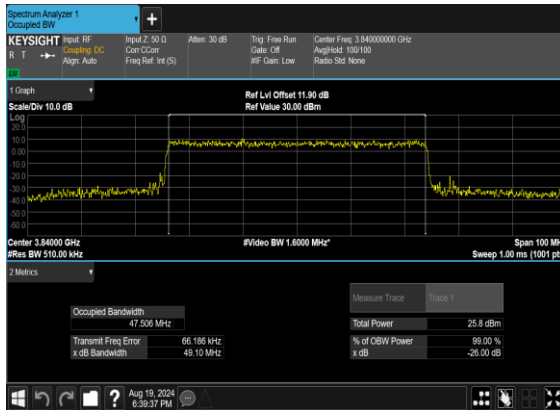
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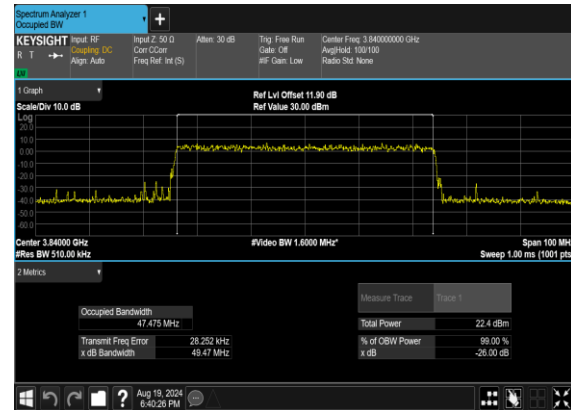
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QAM_Outer_Full_Mid_CH

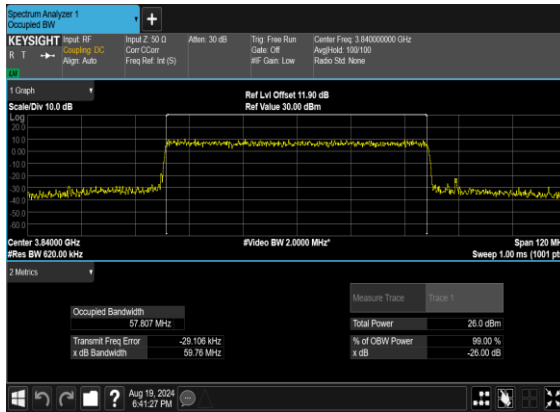


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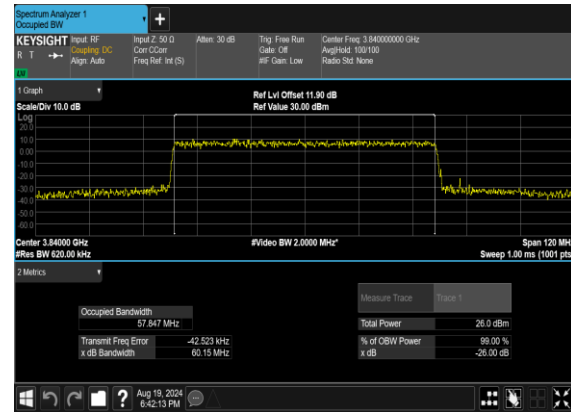




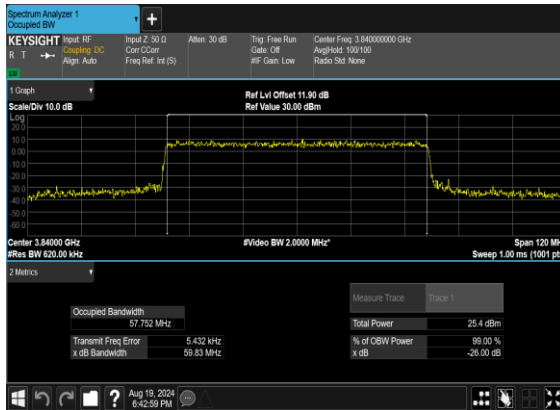
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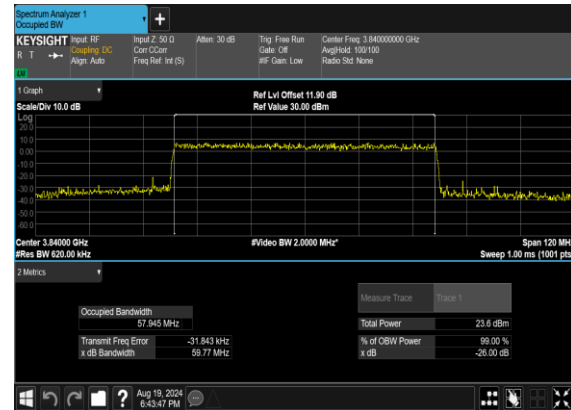
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QAM_Outer_Full_Mid_CH



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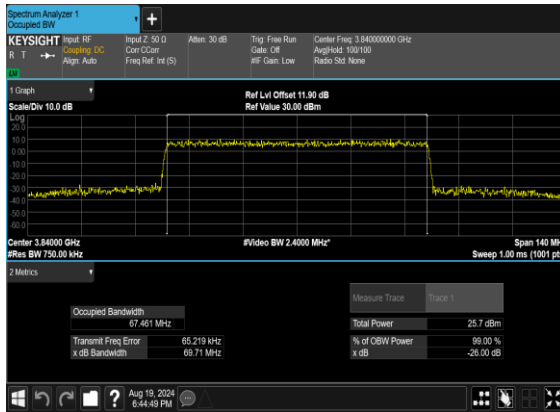


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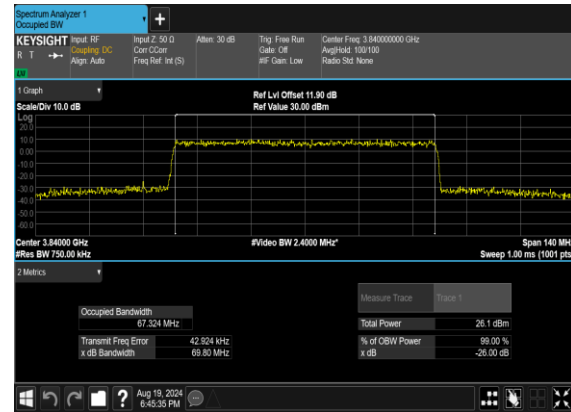




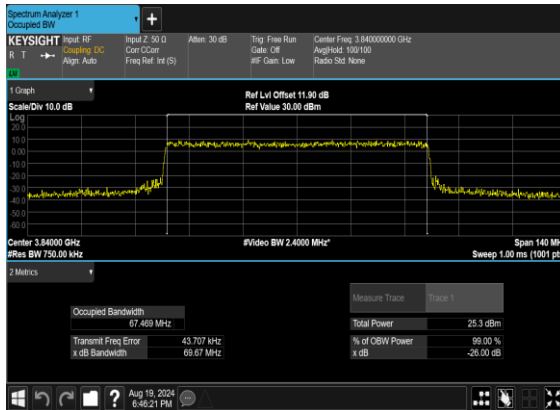
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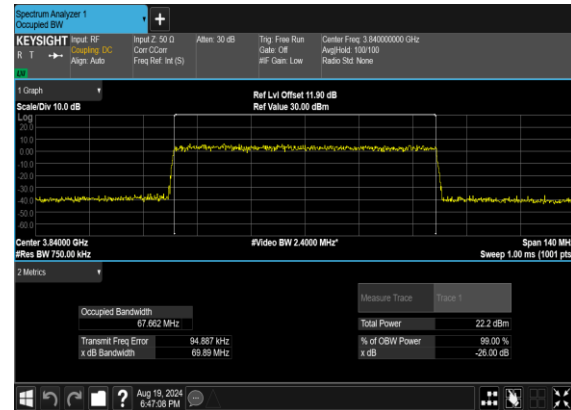
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N77(70M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

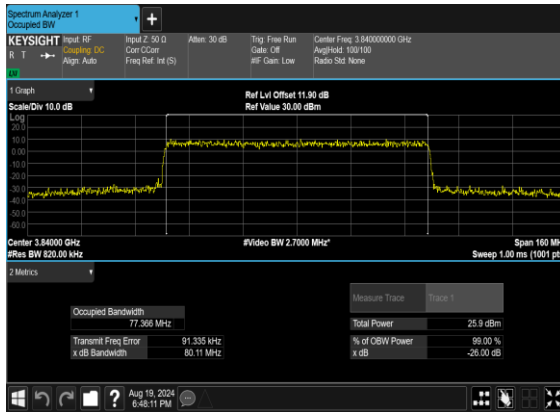


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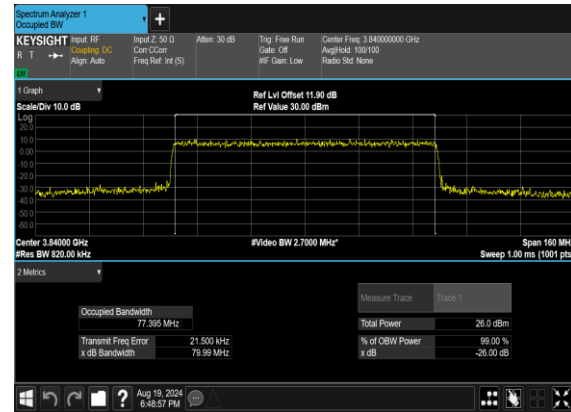




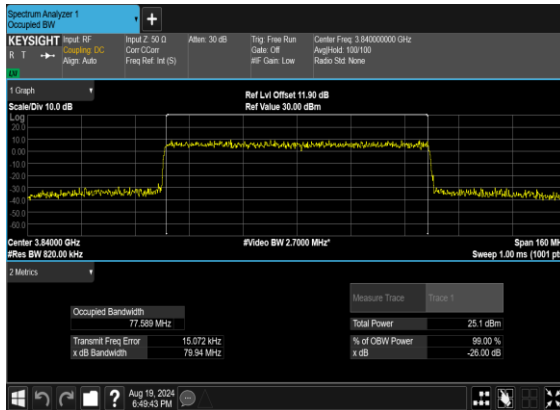
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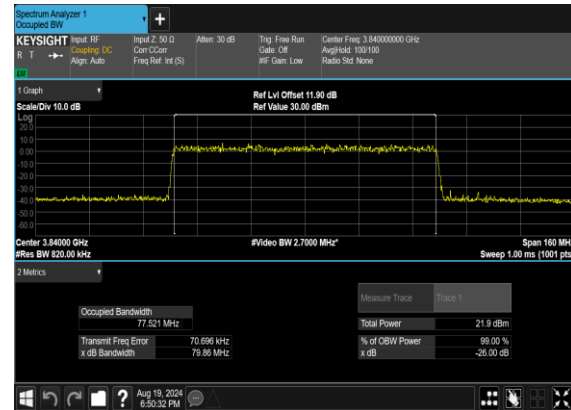
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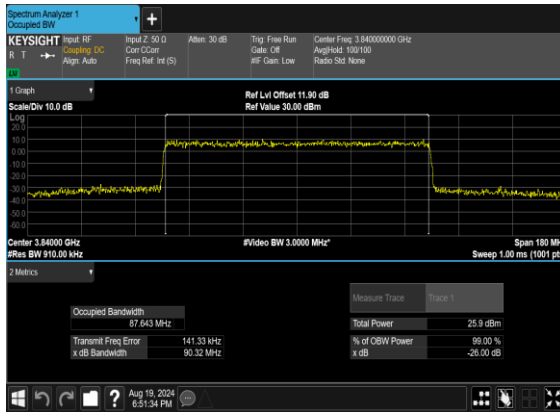


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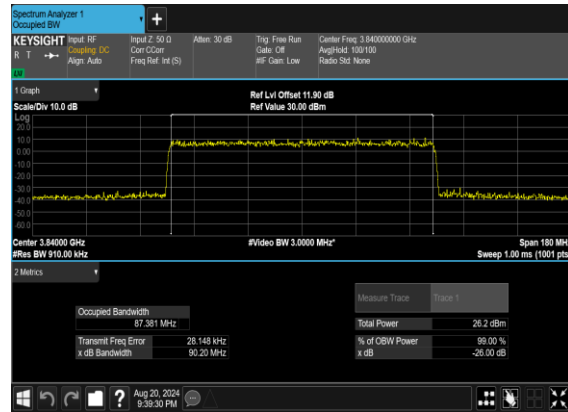




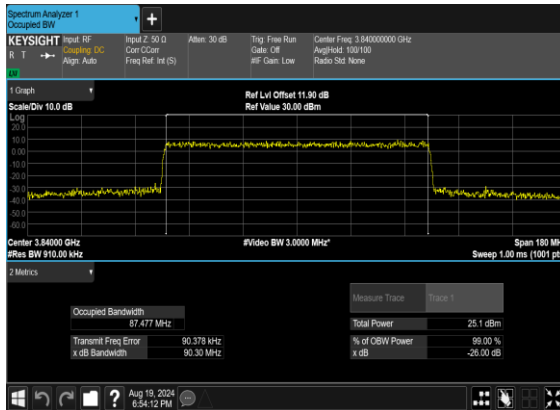
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OFDM_QPSK_Outer_Full_Mid_CH



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QAM_Outer_Full_Mid_CH



N77(90M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N77(90M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

