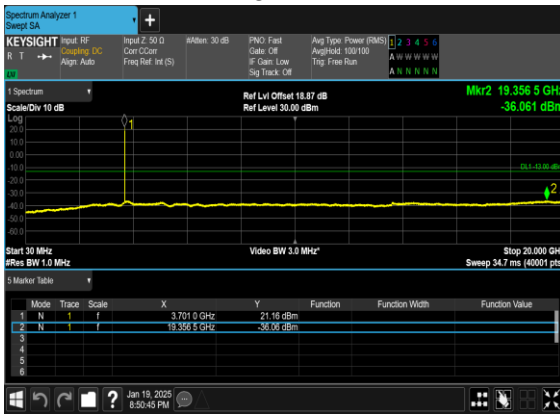
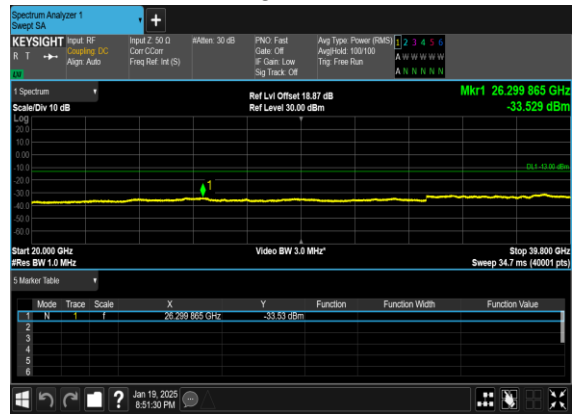




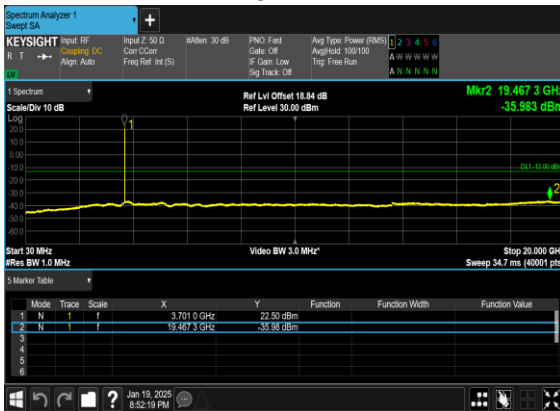
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



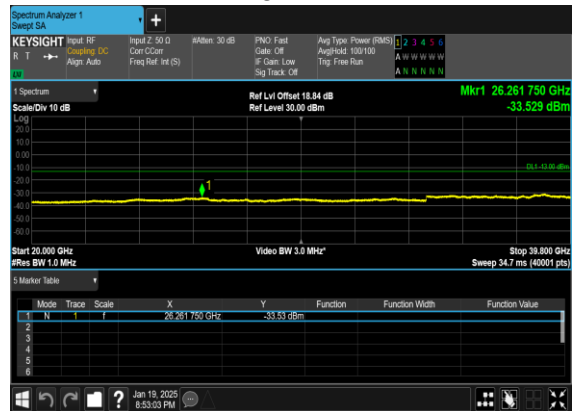
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

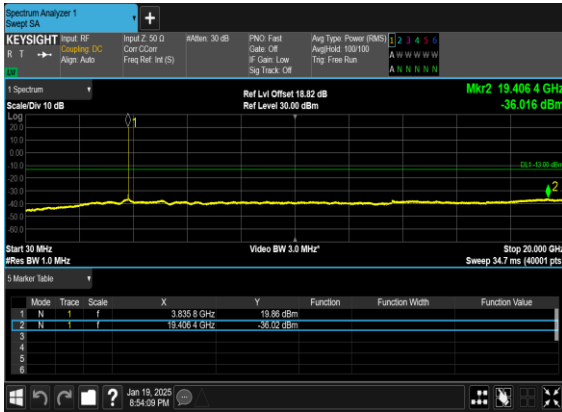


N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

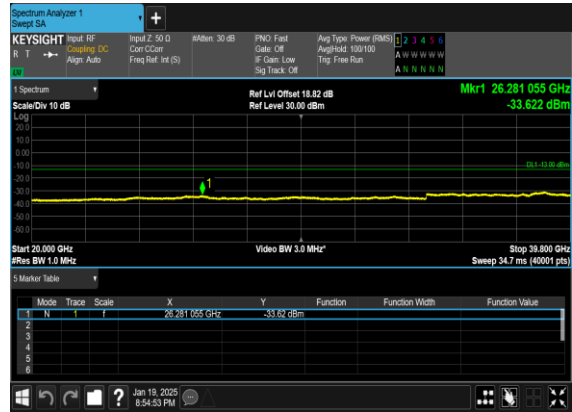




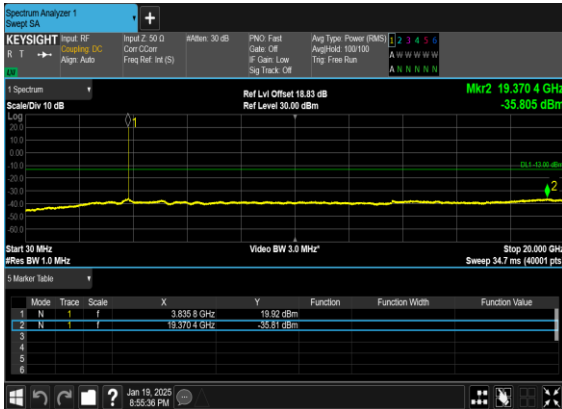
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



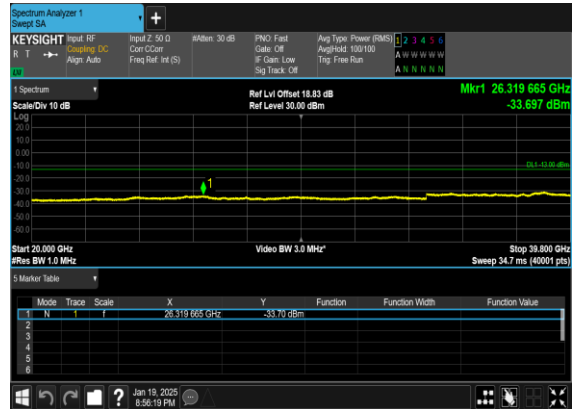
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

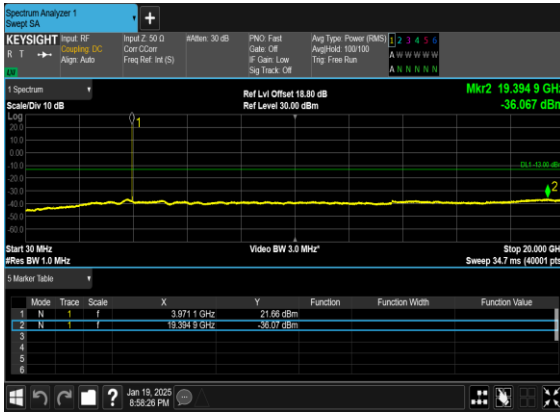


N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

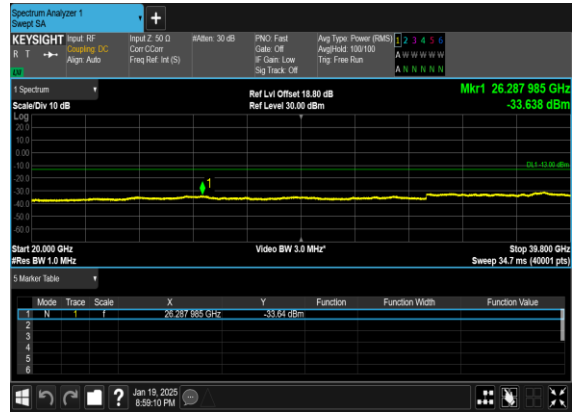




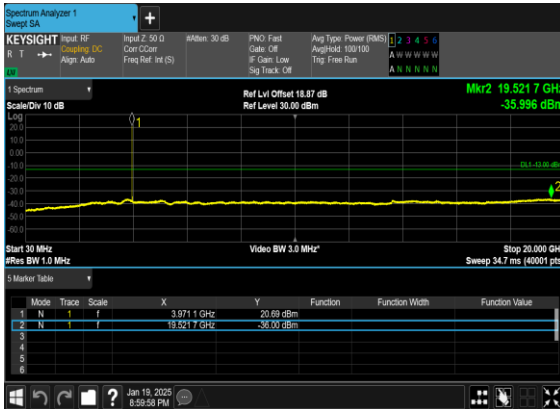
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



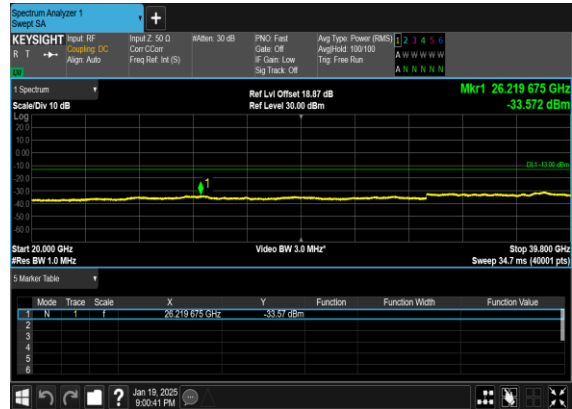
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

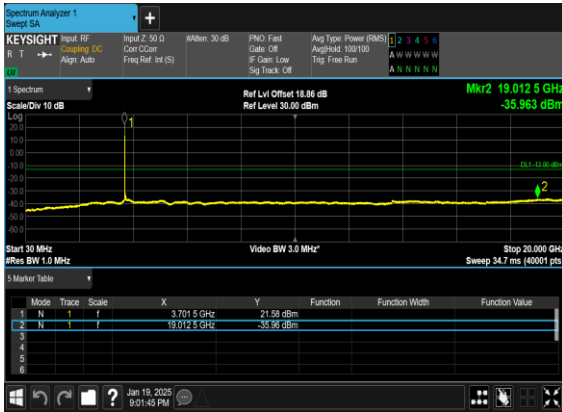


N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

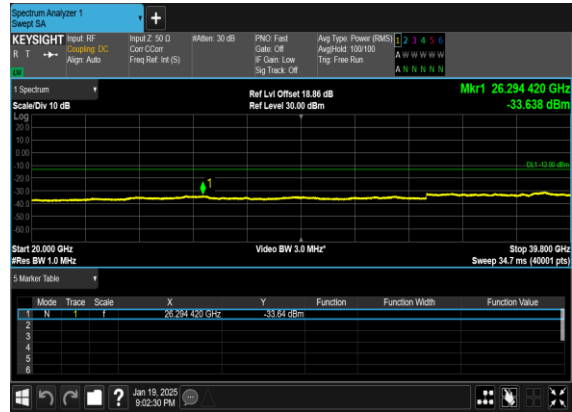




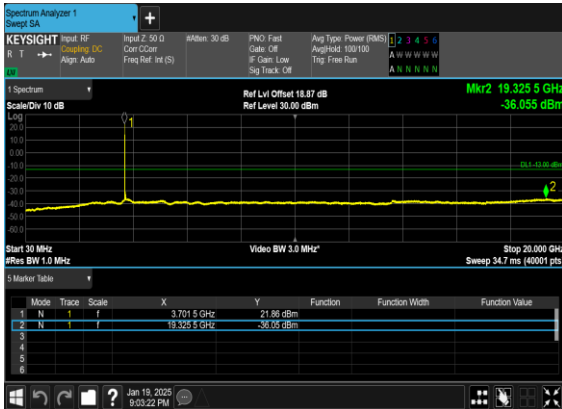
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



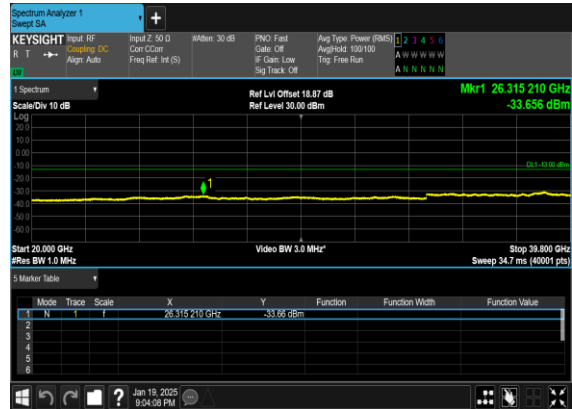
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

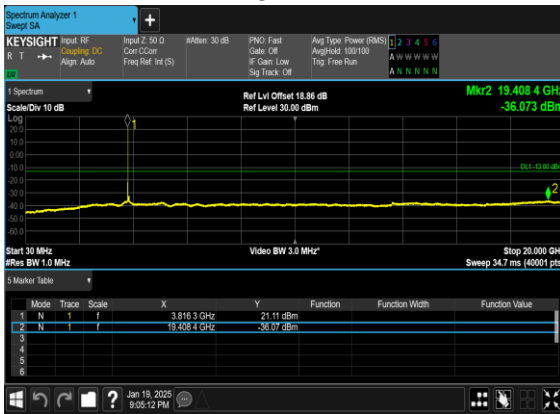


N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

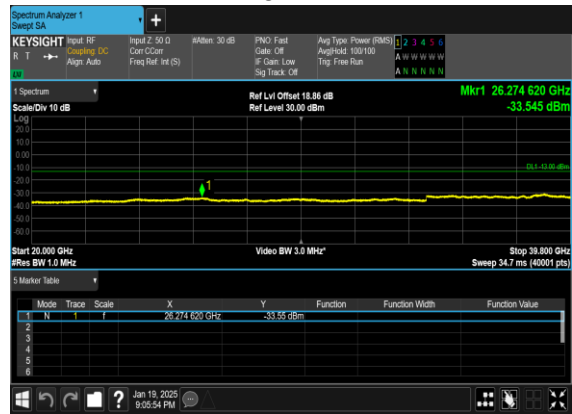




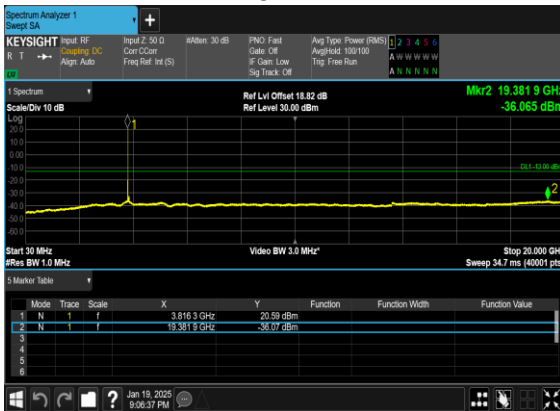
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



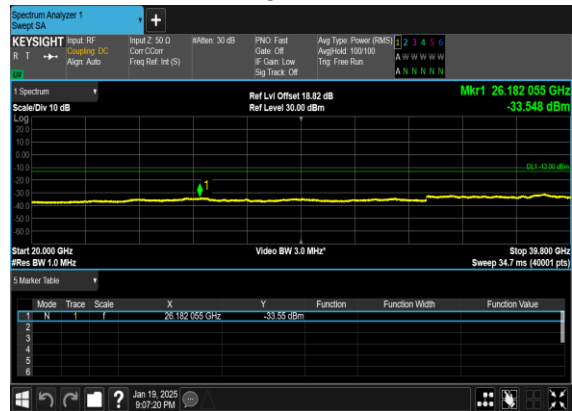
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

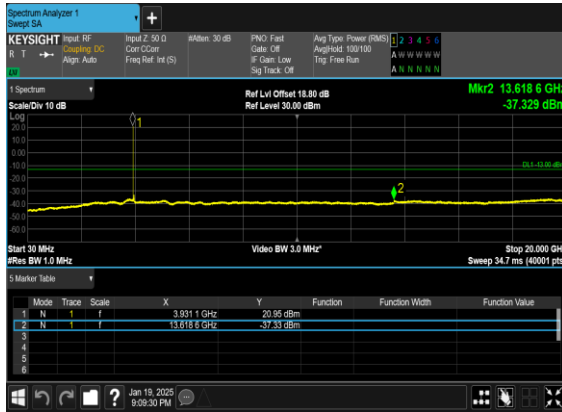


N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

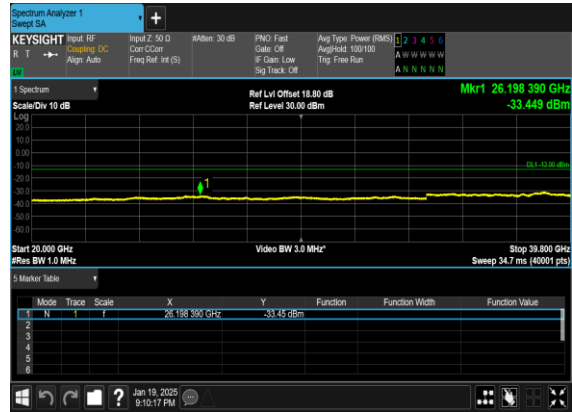




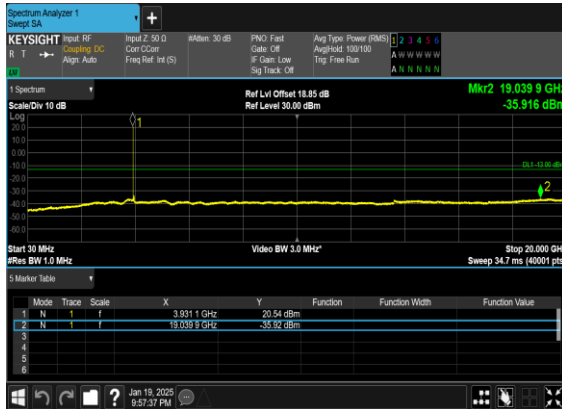
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



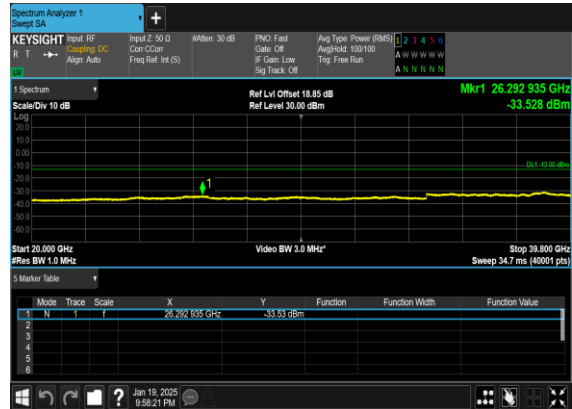
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

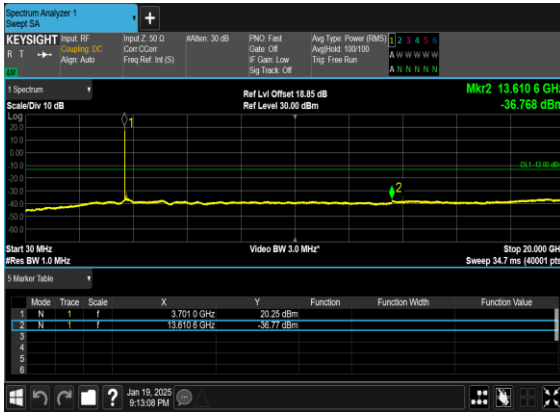


N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

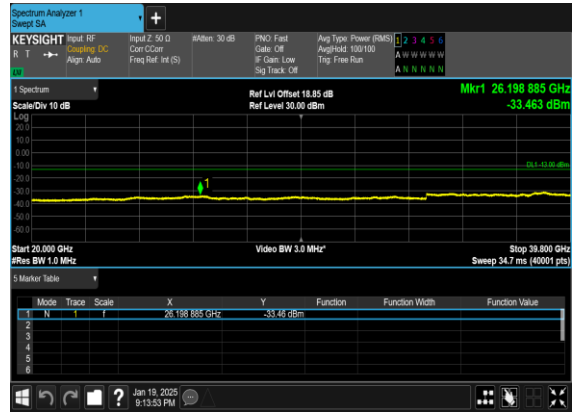




N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



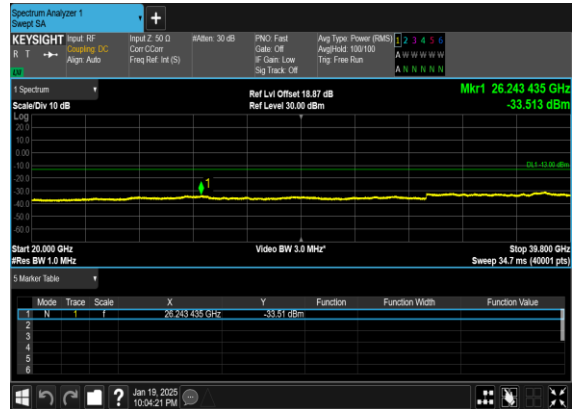
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

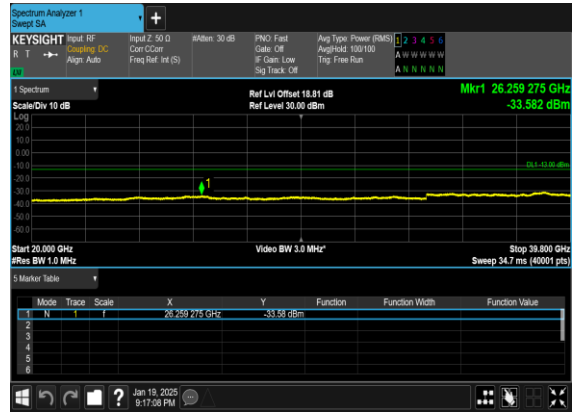




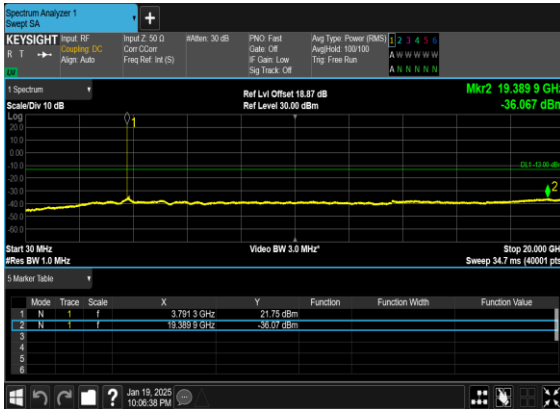
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



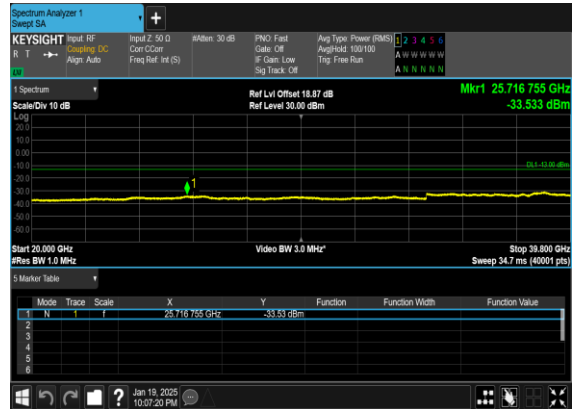
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

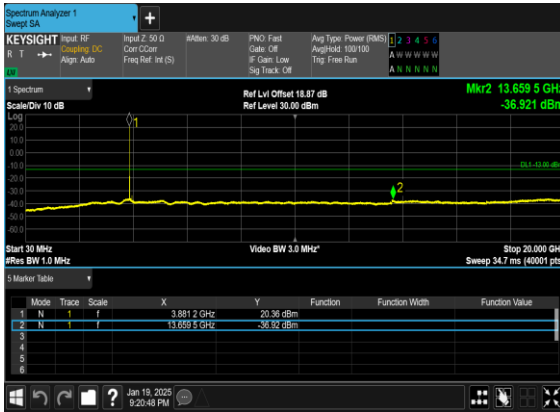


N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

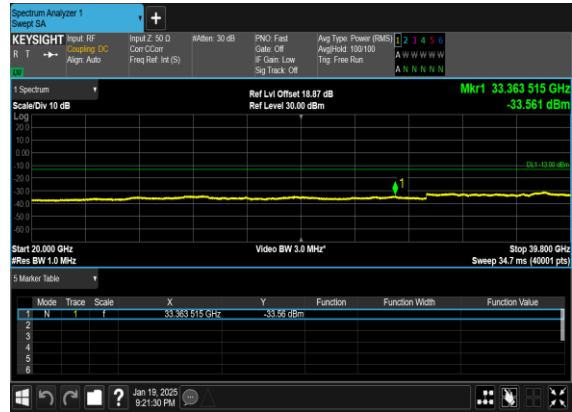




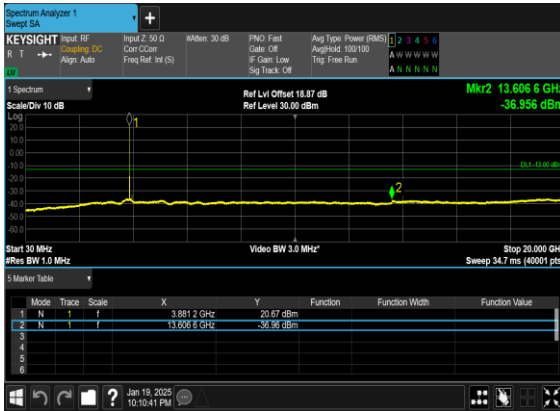
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



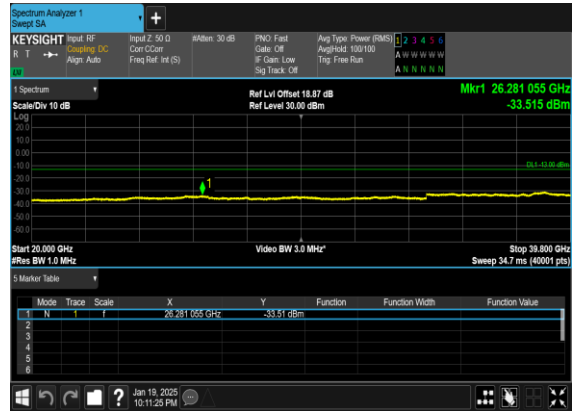
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



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

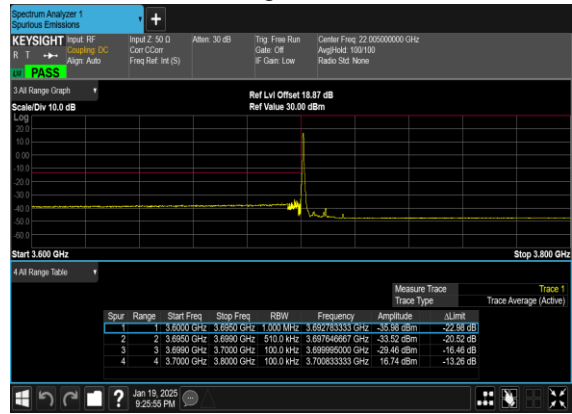
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	24@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	24@0	see 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



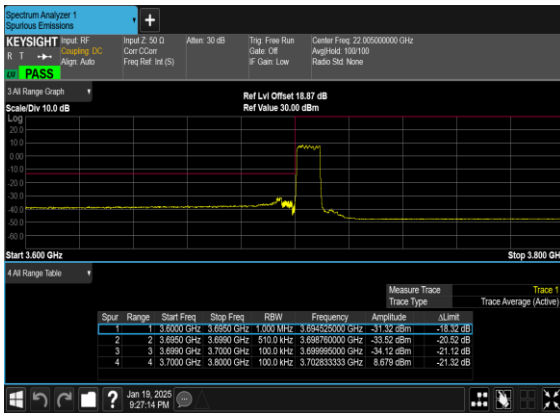
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



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





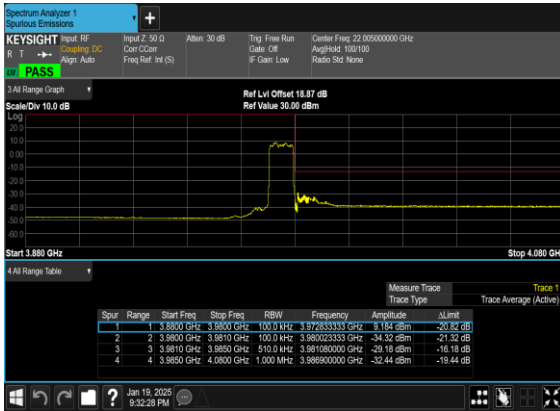
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



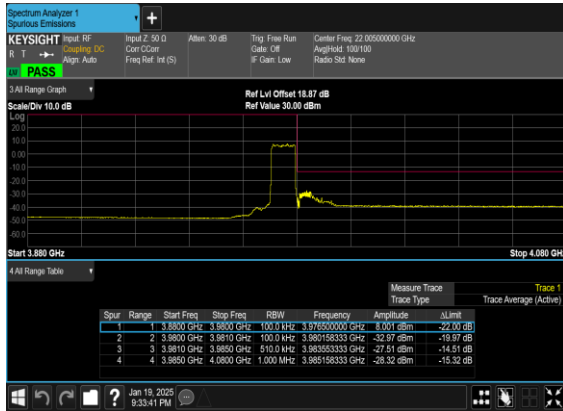
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

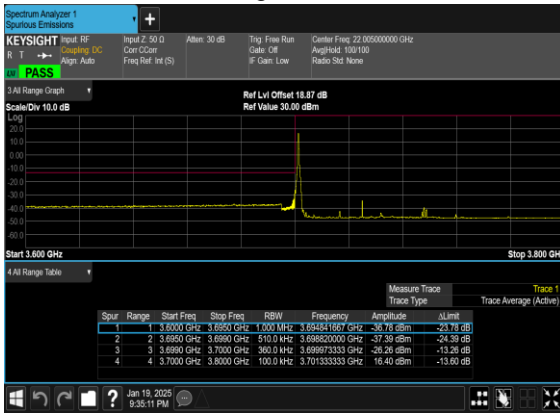


N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

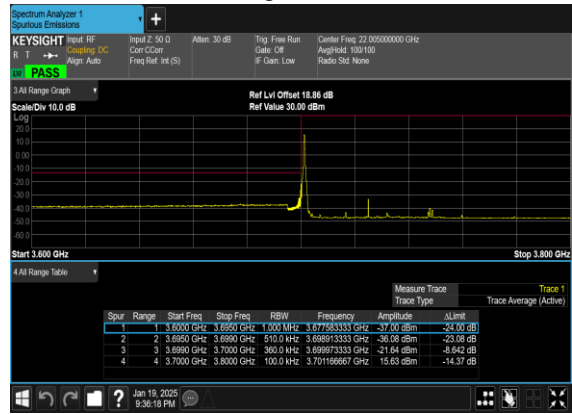




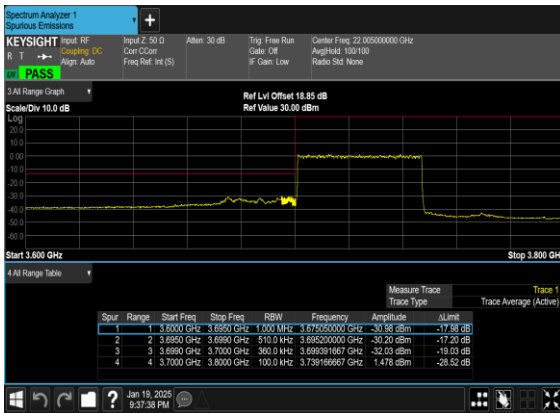
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



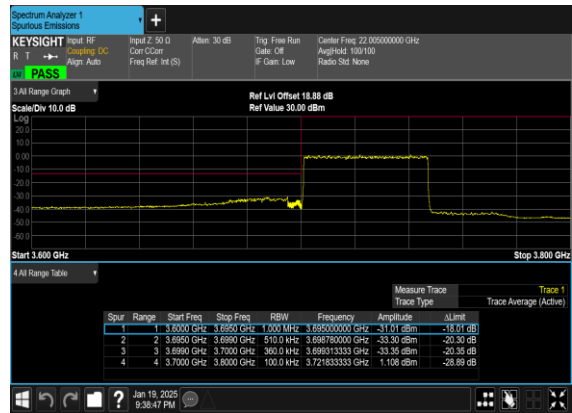
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

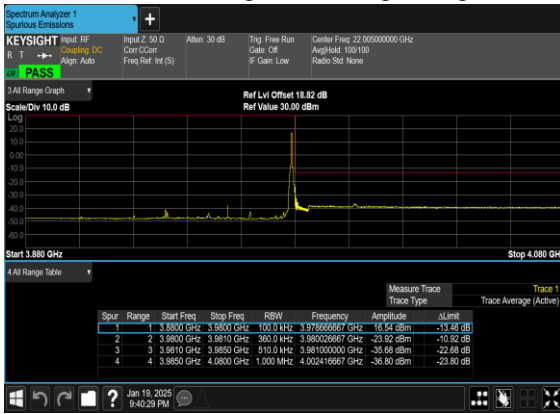


N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

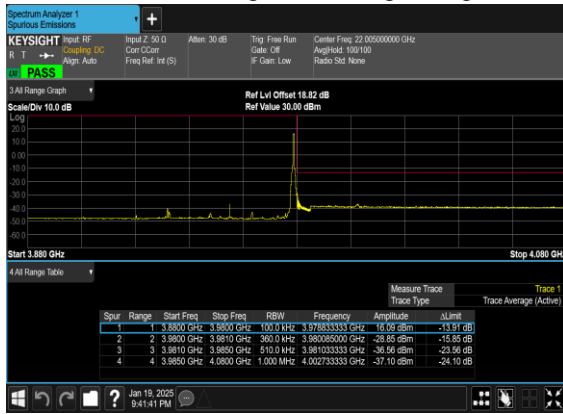




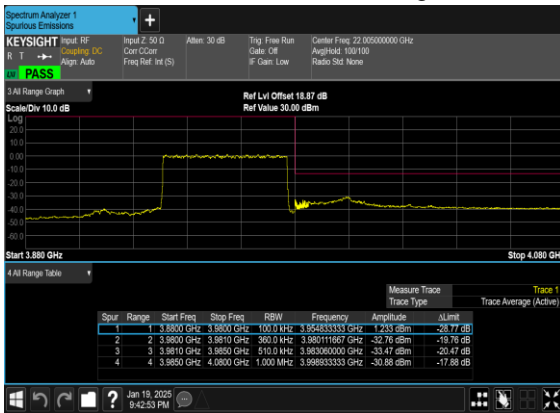
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



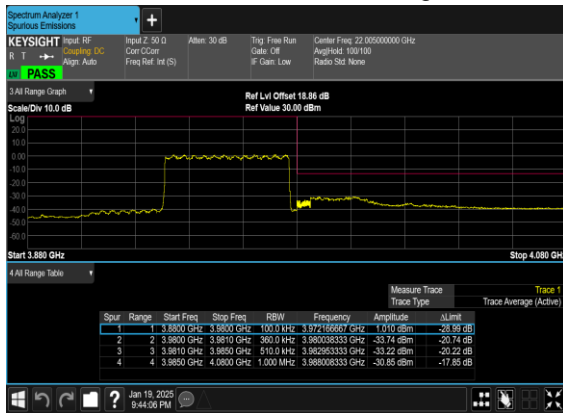
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

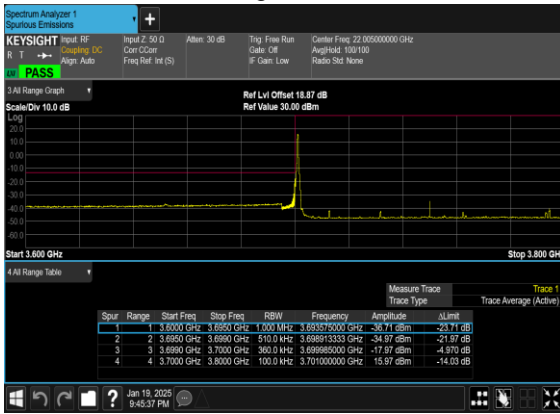


N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH





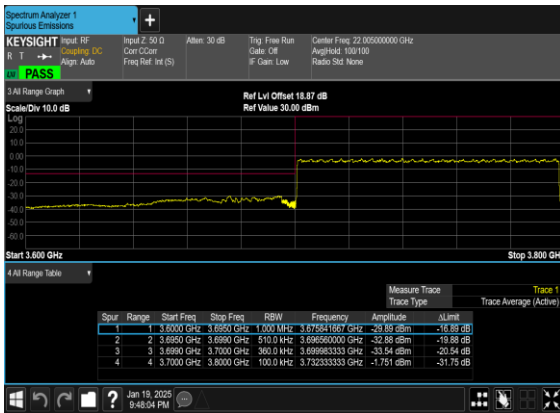
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



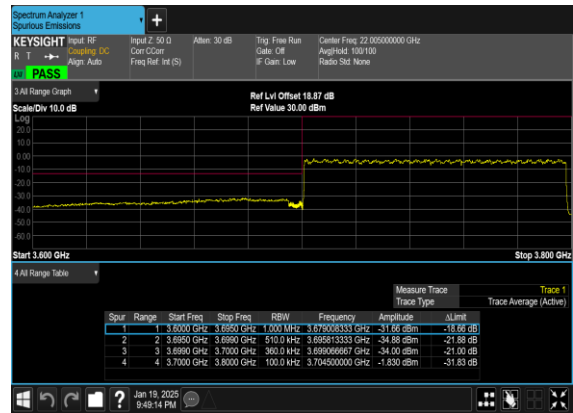
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

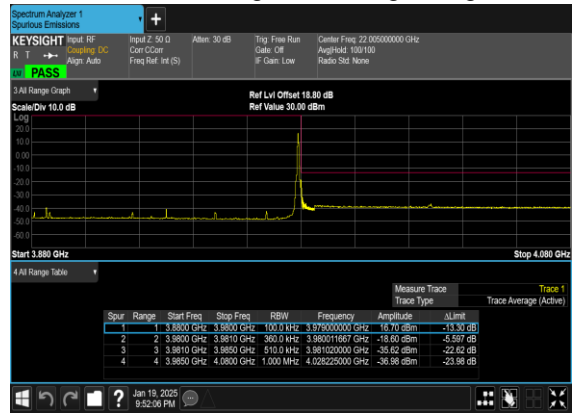




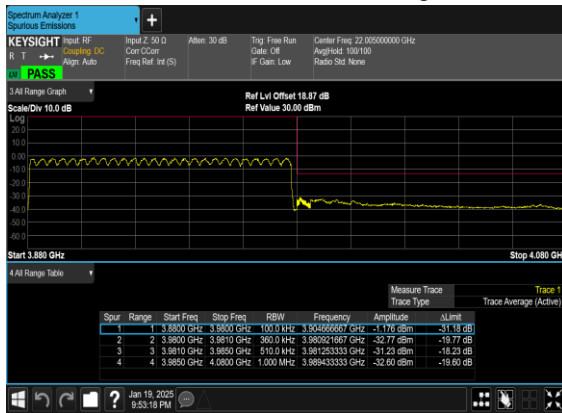
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



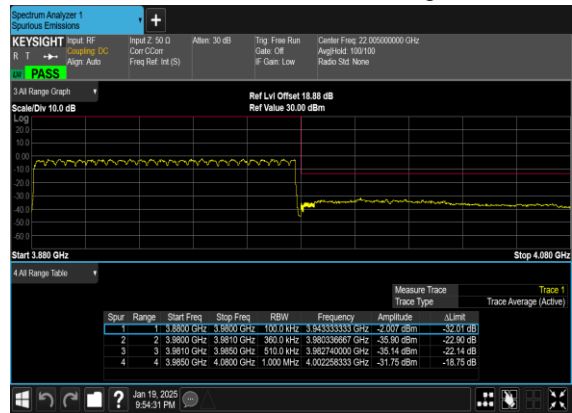
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH





FR1 N77 MIMO-ANT6

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	2.5	PASS	NV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	8.7	PASS	LV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	5.7	PASS	HV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	7.1	PASS	-30°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	11.7	PASS	-20°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	12	PASS	-10°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	6	PASS	0°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	12.6	PASS	10°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	2.5	PASS	20°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	14.6	PASS	30°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	7.9	PASS	40°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	14.5	PASS	50°C

|MAX(Δf)| =14.6 Hz

Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - MAX(\Delta f) $	3700.859185	≥ 3700 MHz	PASS
$f_H + MAX(\Delta f) $	3978.741215	≤ 3980 MHz	



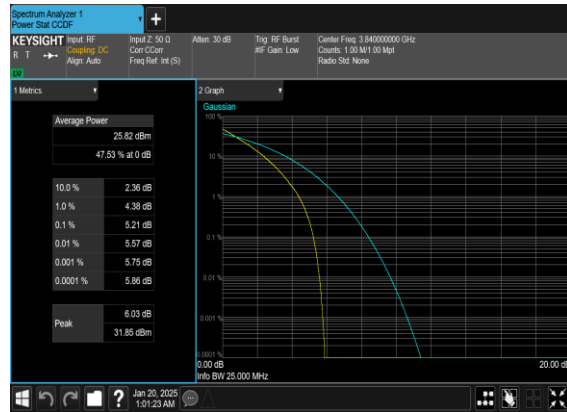
Peak to Average Ratio

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	4.08	13	PASS
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	5.21	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

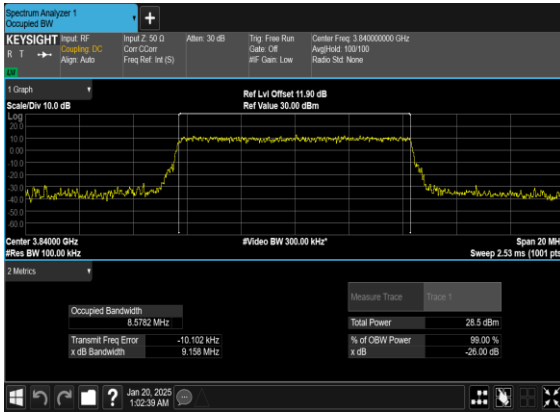
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
77	30	10	656000	3840.0	CP-OFDM QPSK	24@0	8.5782	9.158
77	30	10	656000	3840.0	CP-OFDM 16 QAM	24@0	8.5755	9.148
77	30	10	656000	3840.0	CP-OFDM 64 QAM	24@0	8.5887	9.093
77	30	10	656000	3840.0	CP-OFDM 256 QAM	24@0	8.5606	9.22
77	30	15	656000	3840.0	CP-OFDM QPSK	38@0	13.566	14.1
77	30	15	656000	3840.0	CP-OFDM 16 QAM	38@0	13.604	14.32
77	30	15	656000	3840.0	CP-OFDM 64 QAM	38@0	13.619	14.16
77	30	15	656000	3840.0	CP-OFDM 256 QAM	38@0	13.585	14.23
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	18.244	19.03
77	30	20	656000	3840.0	CP-OFDM 16 QAM	51@0	18.211	19.02
77	30	20	656000	3840.0	CP-OFDM 64 QAM	51@0	18.172	18.9
77	30	20	656000	3840.0	CP-OFDM 256 QAM	51@0	18.189	19.12
77	30	25	656000	3840.0	CP-OFDM QPSK	65@0	23.22	24.12
77	30	25	656000	3840.0	CP-OFDM 16 QAM	65@0	23.125	24.18
77	30	25	656000	3840.0	CP-OFDM 64 QAM	65@0	23.306	24.25
77	30	25	656000	3840.0	CP-OFDM 256 QAM	65@0	23.226	24.1
77	30	30	656000	3840.0	CP-OFDM QPSK	78@0	27.759	29.08
77	30	30	656000	3840.0	CP-OFDM 16 QAM	78@0	27.8	28.87
77	30	30	656000	3840.0	CP-OFDM 64 QAM	78@0	27.846	28.98
77	30	30	656000	3840.0	CP-OFDM 256 QAM	78@0	27.795	28.98
77	30	40	656000	3840.0	CP-OFDM QPSK	106@0	37.82	39.11
77	30	40	656000	3840.0	CP-OFDM 16 QAM	106@0	37.88	39.22
77	30	40	656000	3840.0	CP-OFDM 64 QAM	106@0	37.829	39.21
77	30	40	656000	3840.0	CP-OFDM 256 QAM	106@0	37.885	39.16
77	30	50	656000	3840.0	CP-OFDM QPSK	133@0	47.334	49.02
77	30	50	656000	3840.0	CP-OFDM 16 QAM	133@0	47.423	49.05
77	30	50	656000	3840.0	CP-OFDM 64 QAM	133@0	47.346	49.04
77	30	50	656000	3840.0	CP-OFDM 256 QAM	133@0	47.467	48.96
77	30	60	656000	3840.0	CP-OFDM QPSK	162@0	57.702	59.66
77	30	60	656000	3840.0	CP-OFDM 16 QAM	162@0	57.639	59.64
77	30	60	656000	3840.0	CP-OFDM 64 QAM	162@0	57.784	59.7
77	30	60	656000	3840.0	CP-OFDM 256 QAM	162@0	57.784	59.6
77	30	70	656000	3840.0	CP-OFDM QPSK	189@0	67.528	69.68
77	30	70	656000	3840.0	CP-OFDM 16 QAM	189@0	67.377	69.66
77	30	70	656000	3840.0	CP-OFDM 64 QAM	189@0	67.456	69.65
77	30	70	656000	3840.0	CP-OFDM 256 QAM	189@0	67.311	69.63
77	30	80	656000	3840.0	CP-OFDM QPSK	217@0	77.593	80.03



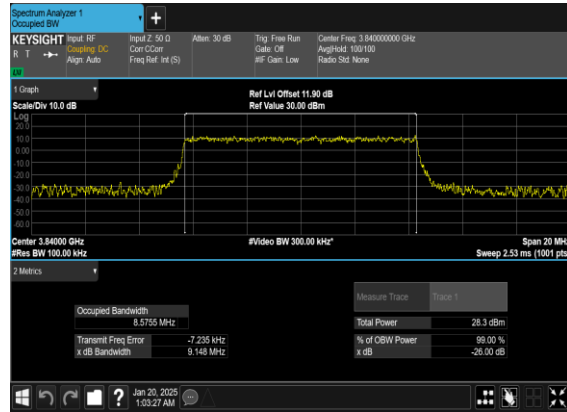
77	30	80	656000	3840.0	CP-OFDM 16 QAM	217@0	77.488	79.91
77	30	80	656000	3840.0	CP-OFDM 64 QAM	217@0	77.239	79.96
77	30	80	656000	3840.0	CP-OFDM 256 QAM	217@0	77.506	79.91
77	30	90	656000	3840.0	CP-OFDM QPSK	245@0	87.487	90.12
77	30	90	656000	3840.0	CP-OFDM 16 QAM	245@0	87.484	90.18
77	30	90	656000	3840.0	CP-OFDM 64 QAM	245@0	87.554	90.26
77	30	90	656000	3840.0	CP-OFDM 256 QAM	245@0	87.409	90.33
77	30	100	656000	3840.0	CP-OFDM QPSK	273@0	97.34	100.3
77	30	100	656000	3840.0	CP-OFDM 16 QAM	273@0	97.385	100.4
77	30	100	656000	3840.0	CP-OFDM 64 QAM	273@0	97.224	100.5
77	30	100	656000	3840.0	CP-OFDM 256 QAM	273@0	97.379	100.4



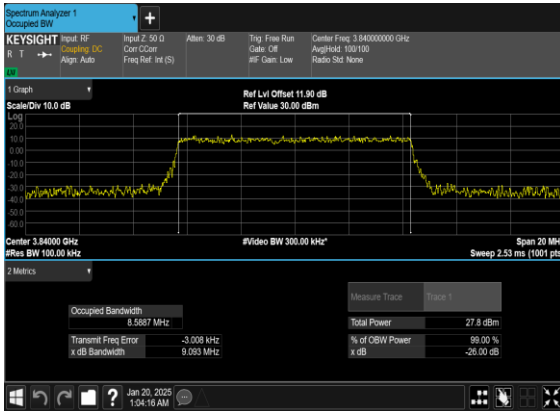
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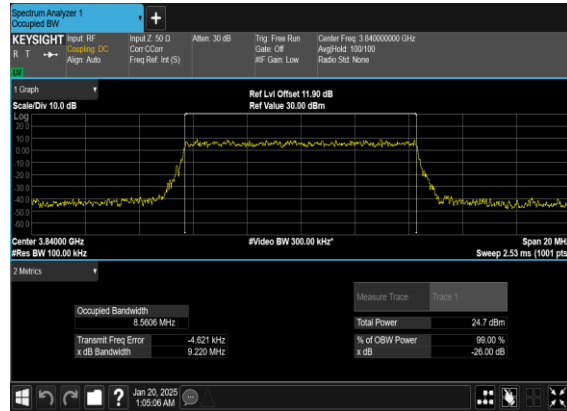
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N77(10M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

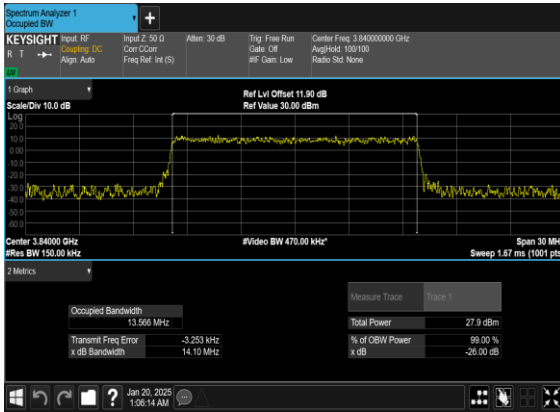


N77(10M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

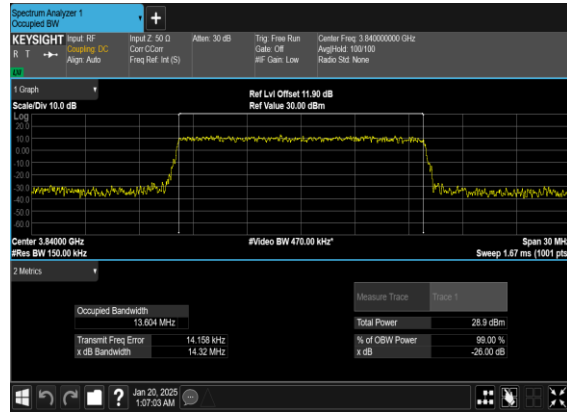




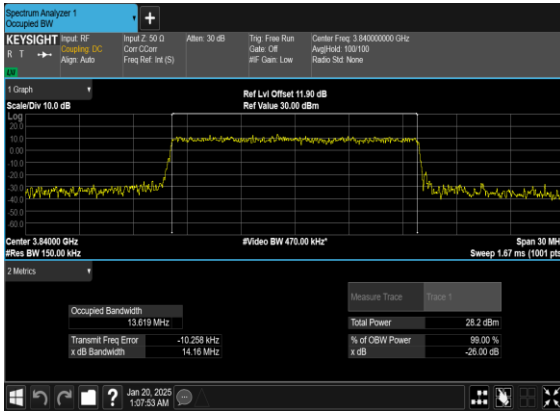
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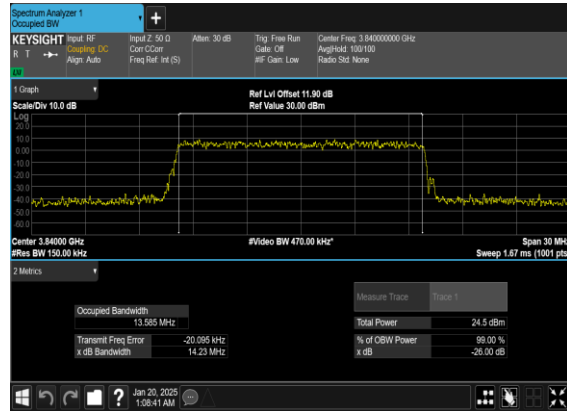
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N77(15M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

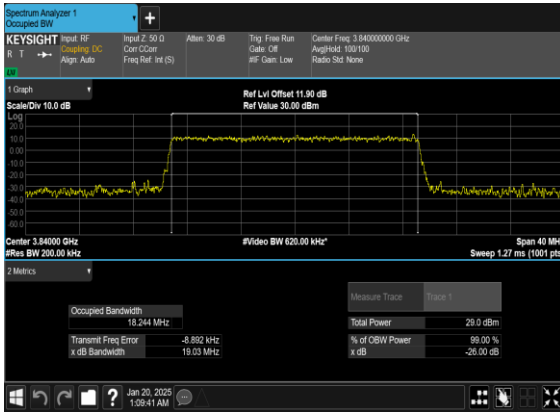


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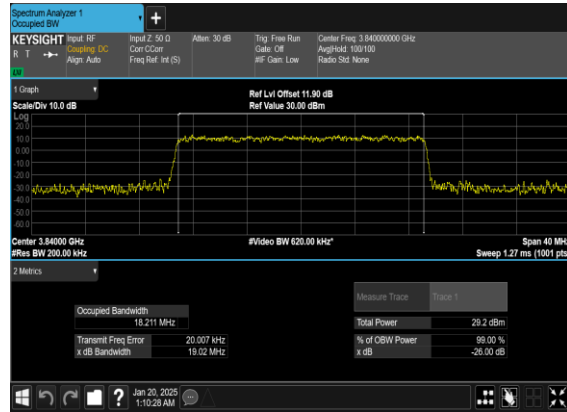




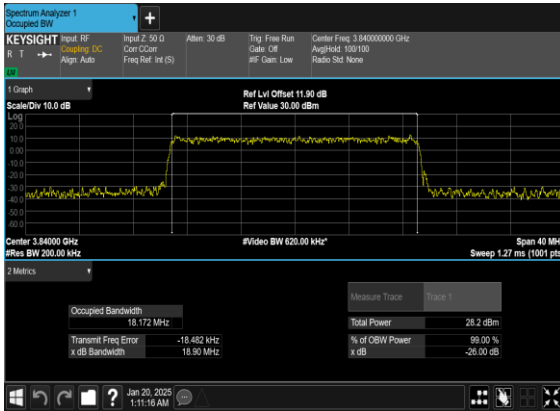
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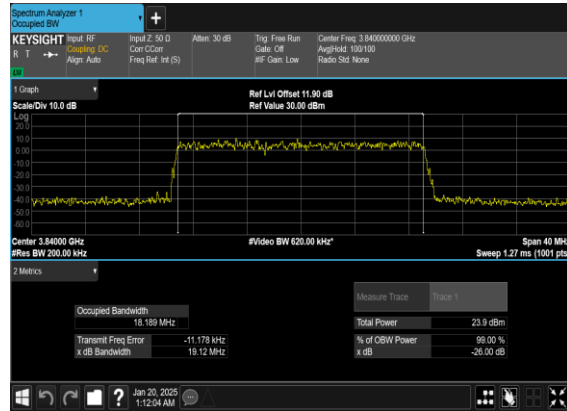
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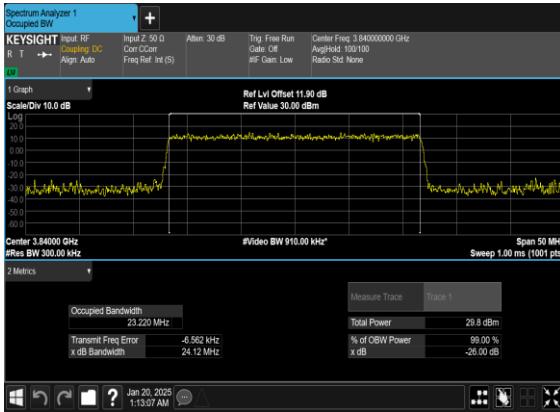


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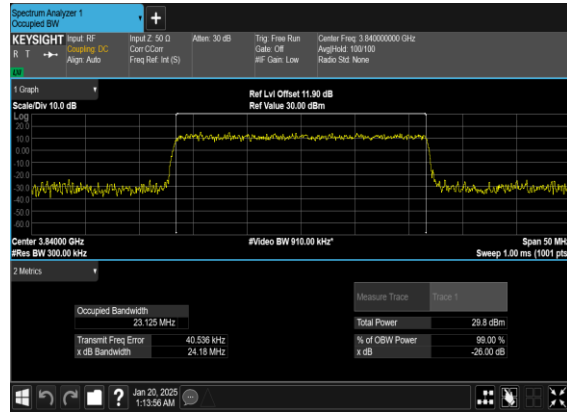




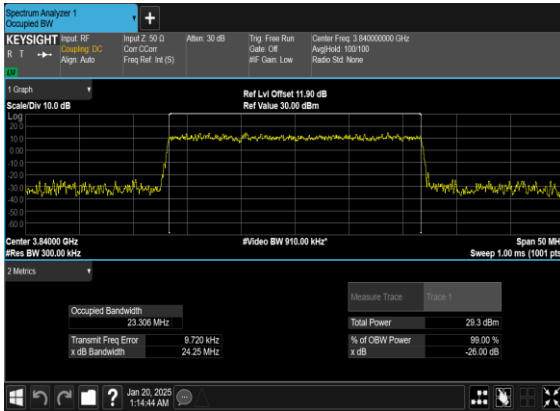
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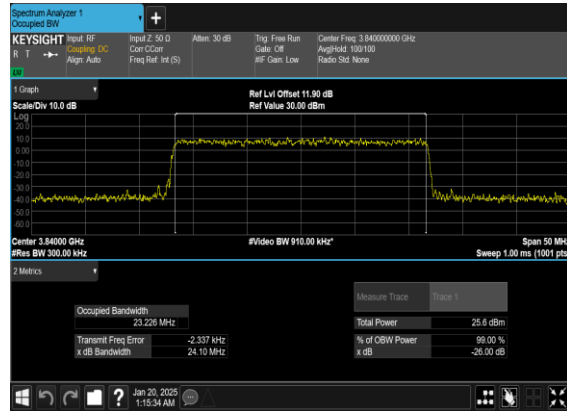
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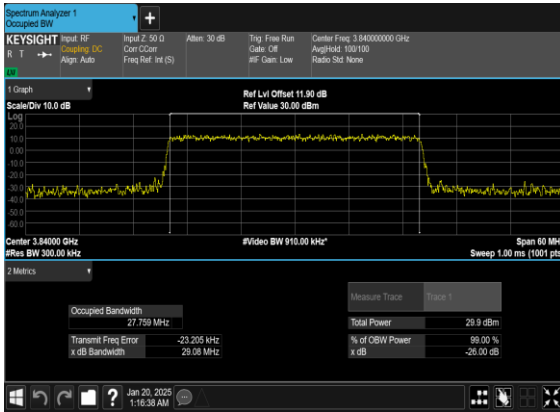


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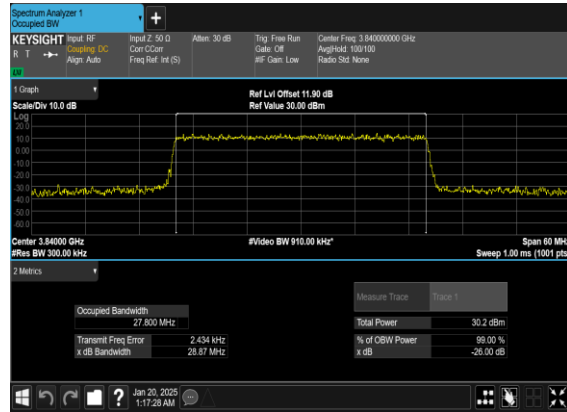




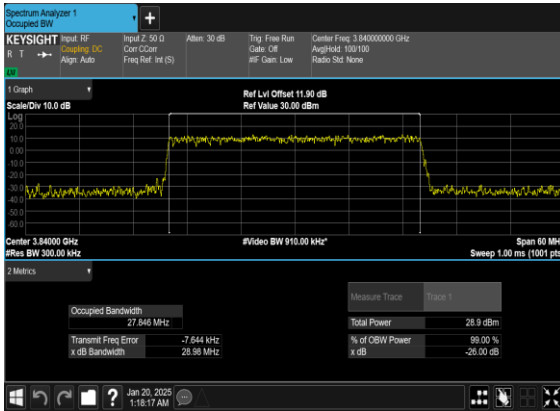
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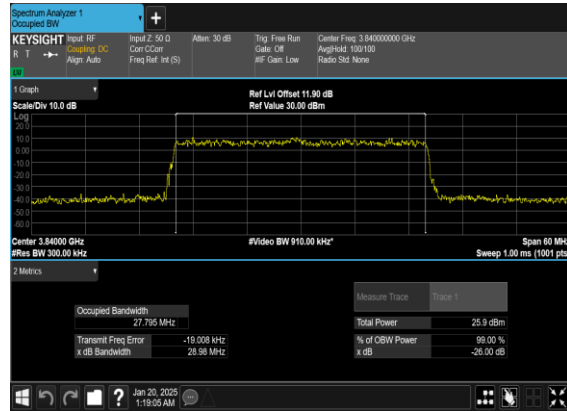
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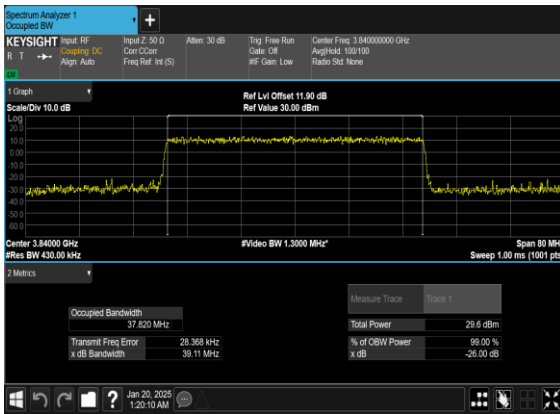


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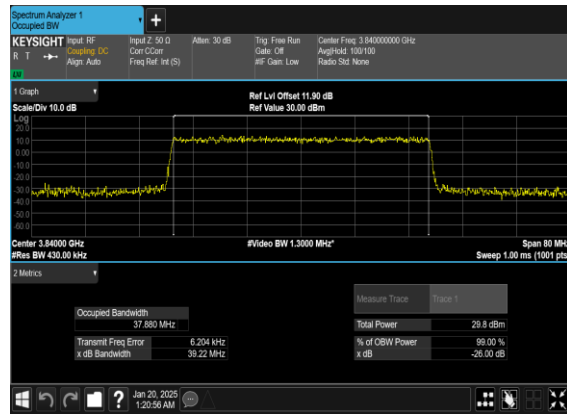




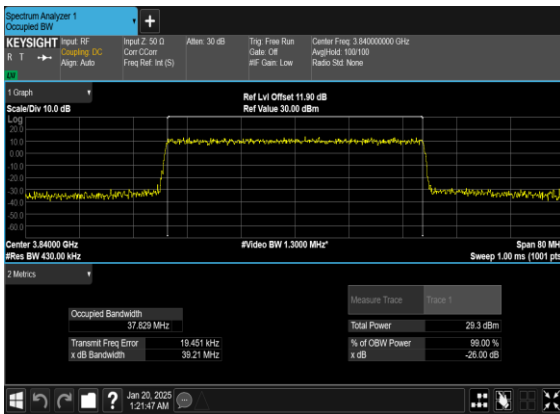
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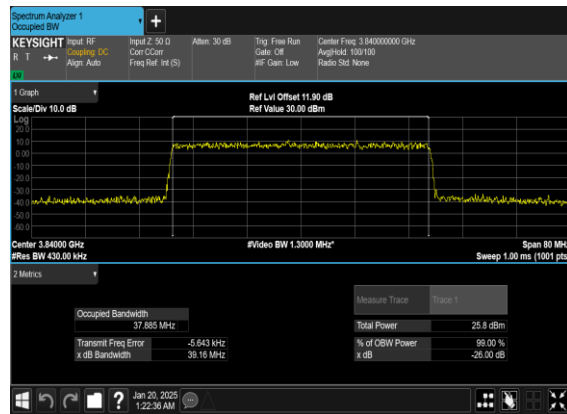
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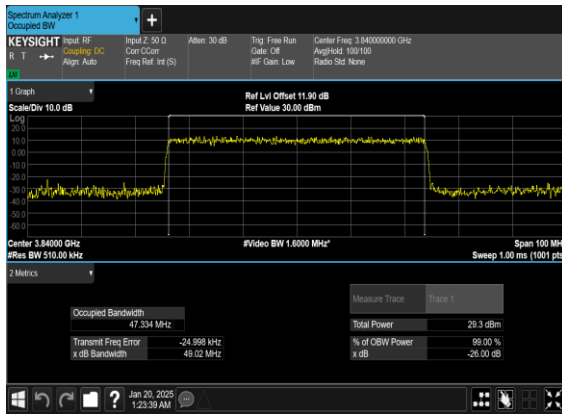


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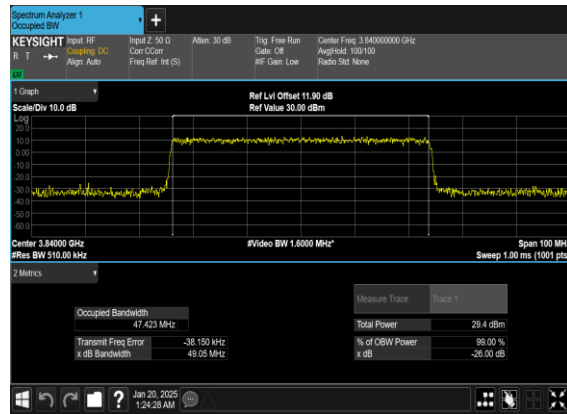




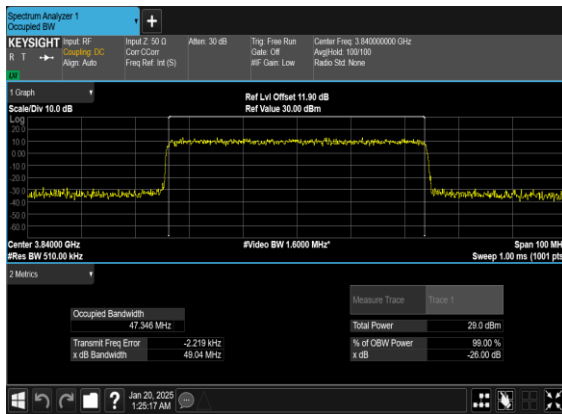
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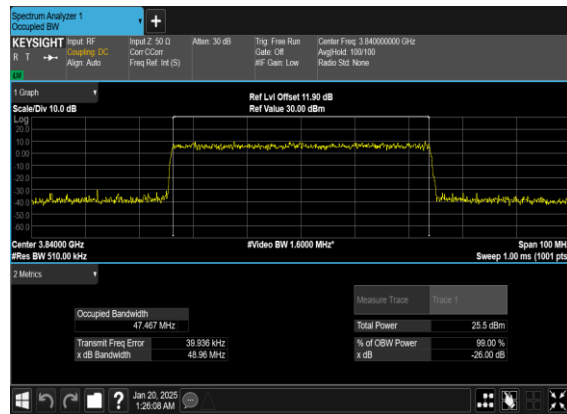
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N77(50M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

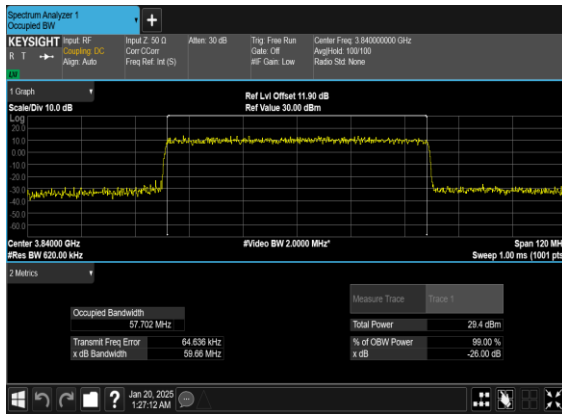


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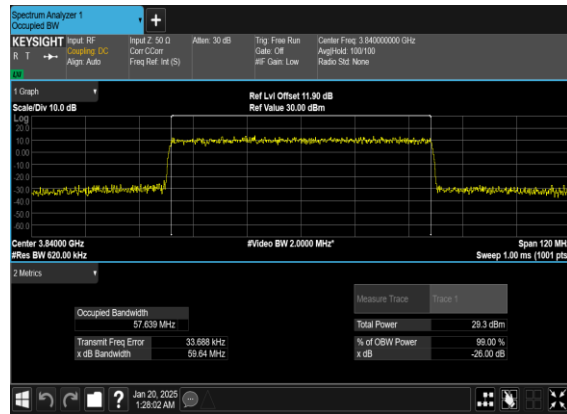




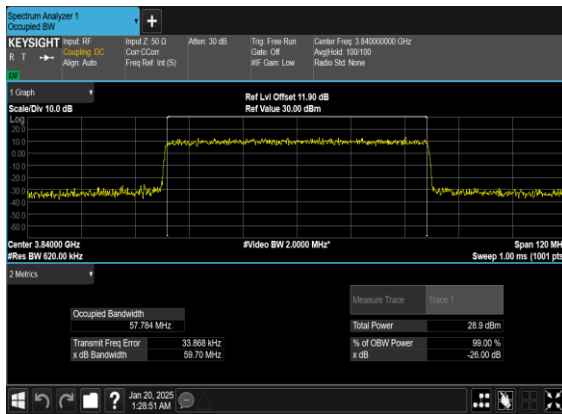
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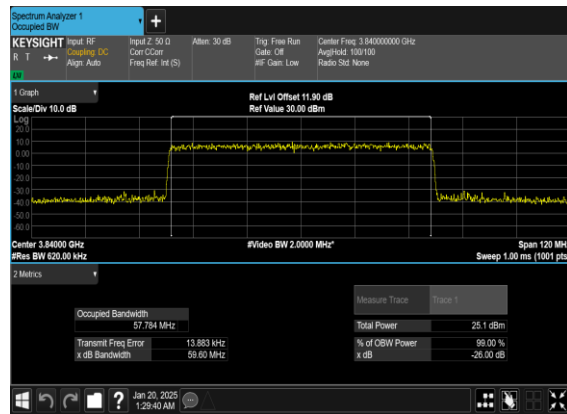
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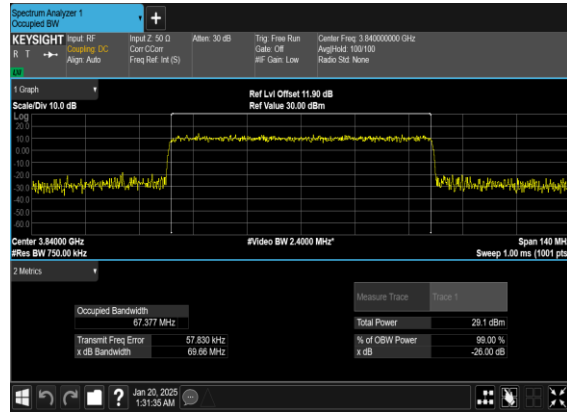




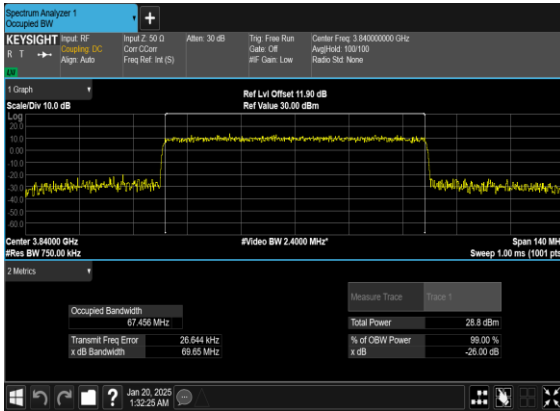
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N77(70M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(70M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(70M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

