



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

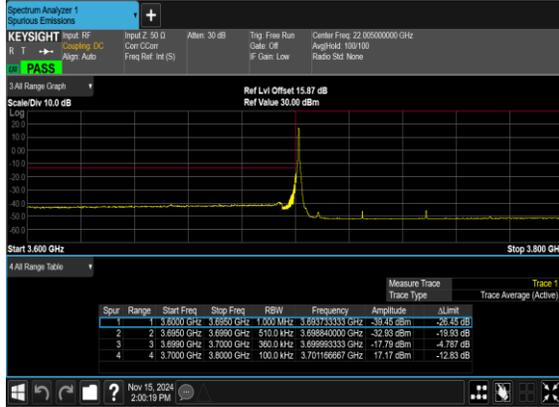


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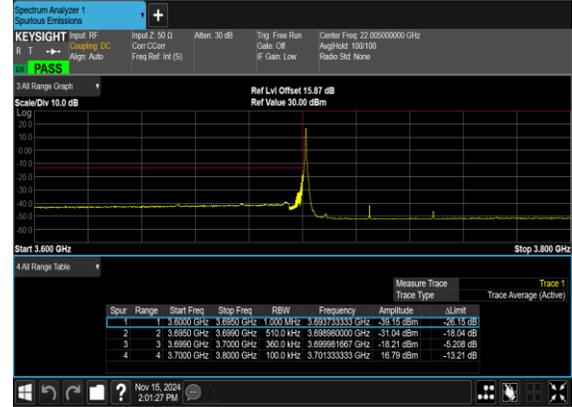




N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



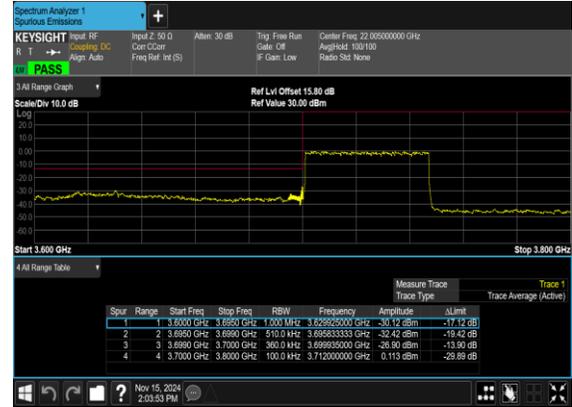
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

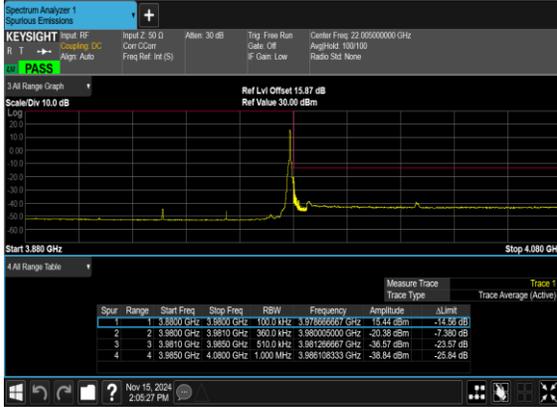


N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH





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

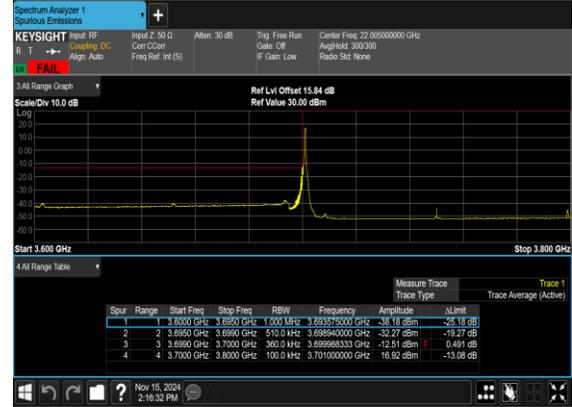




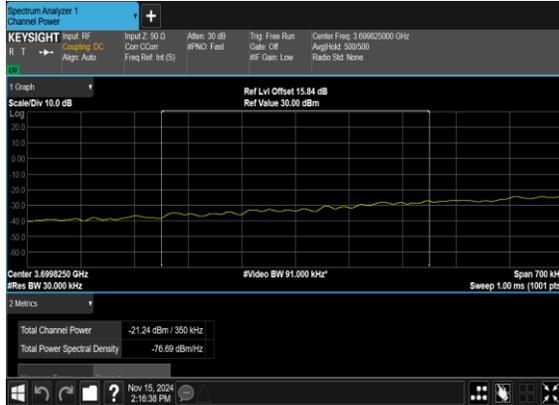
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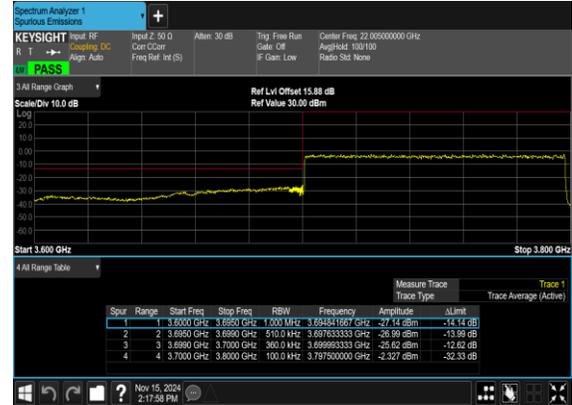
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS



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 ANT5

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	13.8	PASS	NV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	19	PASS	LV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	10.6	PASS	HV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	15.2	PASS	-30°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	14.5	PASS	-20°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	16.9	PASS	-10°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	17.2	PASS	0°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	11.9	PASS	10°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	10.6	PASS	20°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	12.4	PASS	30°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	10.8	PASS	40°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	15.4	PASS	50°C



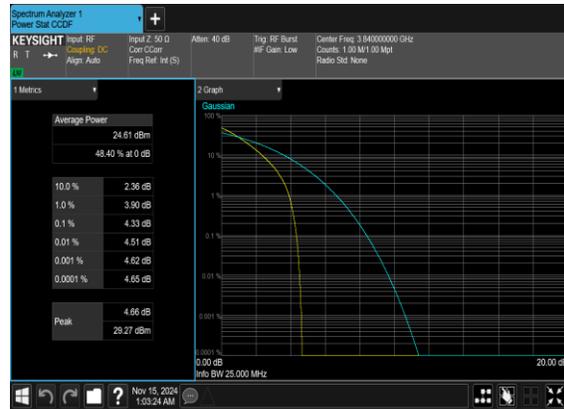
Peak to Average Ratio

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	3.66	13	PASS
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	4.33	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	8.5748	9.5
77	30	10	656000	3840.0	CP-OFDM 16 QAM	24@0	8.5751	9.444
77	30	10	656000	3840.0	CP-OFDM 64 QAM	24@0	8.5975	9.522
77	30	10	656000	3840.0	CP-OFDM 256 QAM	24@0	8.5956	9.48
77	30	15	656000	3840.0	CP-OFDM QPSK	38@0	13.552	14.69
77	30	15	656000	3840.0	CP-OFDM 16 QAM	38@0	13.607	14.72
77	30	15	656000	3840.0	CP-OFDM 64 QAM	38@0	13.538	14.58
77	30	15	656000	3840.0	CP-OFDM 256 QAM	38@0	13.578	14.69
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	18.205	19.47
77	30	20	656000	3840.0	CP-OFDM 16 QAM	51@0	18.21	19.28
77	30	20	656000	3840.0	CP-OFDM 64 QAM	51@0	18.182	19.5
77	30	20	656000	3840.0	CP-OFDM 256 QAM	51@0	18.22	19.57
77	30	25	656000	3840.0	CP-OFDM QPSK	65@0	23.174	24.63
77	30	25	656000	3840.0	CP-OFDM 16 QAM	65@0	23.242	24.58
77	30	25	656000	3840.0	CP-OFDM 64 QAM	65@0	23.183	24.71
77	30	25	656000	3840.0	CP-OFDM 256 QAM	65@0	23.226	24.45
77	30	30	656000	3840.0	CP-OFDM QPSK	78@0	27.808	29.37
77	30	30	656000	3840.0	CP-OFDM 16 QAM	78@0	27.785	28.92
77	30	30	656000	3840.0	CP-OFDM 64 QAM	78@0	27.832	29.13
77	30	30	656000	3840.0	CP-OFDM 256 QAM	78@0	27.768	29.03
77	30	40	656000	3840.0	CP-OFDM QPSK	106@0	37.795	39.24
77	30	40	656000	3840.0	CP-OFDM 16 QAM	106@0	37.725	39.14



77	30	40	656000	3840.0	CP-OFDM 64 QAM	106@0	37.751	39.59
77	30	40	656000	3840.0	CP-OFDM 256 QAM	106@0	37.798	39.71
77	30	50	656000	3840.0	CP-OFDM QPSK	133@0	47.514	48.97
77	30	50	656000	3840.0	CP-OFDM 16 QAM	133@0	47.391	49.09
77	30	50	656000	3840.0	CP-OFDM 64 QAM	133@0	47.444	49.01
77	30	50	656000	3840.0	CP-OFDM 256 QAM	133@0	47.566	48.97
77	30	60	656000	3840.0	CP-OFDM QPSK	162@0	57.828	59.7
77	30	60	656000	3840.0	CP-OFDM 16 QAM	162@0	57.643	59.88
77	30	60	656000	3840.0	CP-OFDM 64 QAM	162@0	57.784	59.78
77	30	60	656000	3840.0	CP-OFDM 256 QAM	162@0	57.818	60.07
77	30	70	656000	3840.0	CP-OFDM QPSK	189@0	67.512	70.11
77	30	70	656000	3840.0	CP-OFDM 16 QAM	189@0	67.381	69.71
77	30	70	656000	3840.0	CP-OFDM 64 QAM	189@0	67.603	69.77
77	30	70	656000	3840.0	CP-OFDM 256 QAM	189@0	67.511	69.71
77	30	80	656000	3840.0	CP-OFDM QPSK	217@0	77.38	79.91
77	30	80	656000	3840.0	CP-OFDM 16 QAM	217@0	77.469	79.91
77	30	80	656000	3840.0	CP-OFDM 64 QAM	217@0	77.448	79.92
77	30	80	656000	3840.0	CP-OFDM 256 QAM	217@0	77.445	79.96
77	30	90	656000	3840.0	CP-OFDM QPSK	245@0	87.544	90.31
77	30	90	656000	3840.0	CP-OFDM 16 QAM	245@0	87.528	90.3
77	30	90	656000	3840.0	CP-OFDM 64 QAM	245@0	87.503	90.24
77	30	90	656000	3840.0	CP-OFDM 256 QAM	245@0	87.345	90.22
77	30	100	656000	3840.0	CP-OFDM QPSK	273@0	97.411	100.4
77	30	100	656000	3840.0	CP-OFDM 16 QAM	273@0	97.556	100.5



77	30	100	656000	3840.0	CP-OFDM 64 QAM	273@0	97.335	100.7
77	30	100	656000	3840.0	CP-OFDM 256 QAM	273@0	97.576	100.7

N77(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N77(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH





N77(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N77(15M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N77(15M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N77(15M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

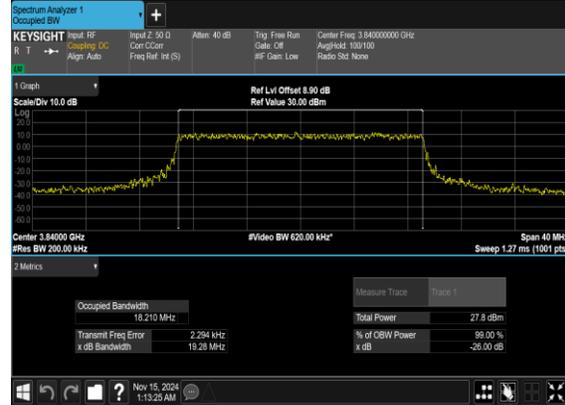




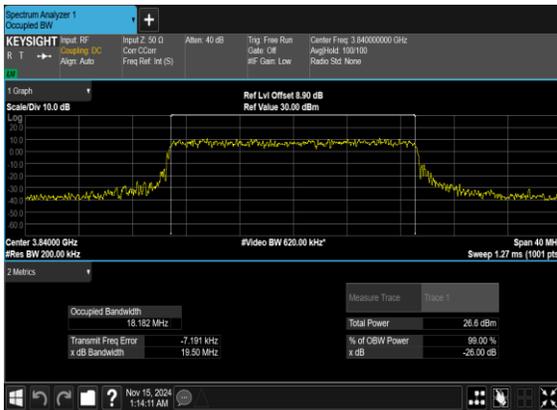
N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N77(20M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N77(20M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N77(20M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

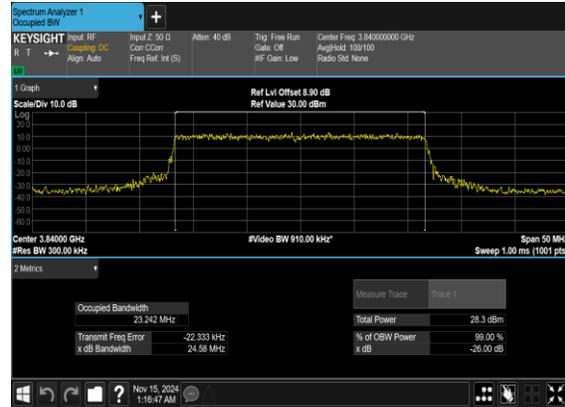




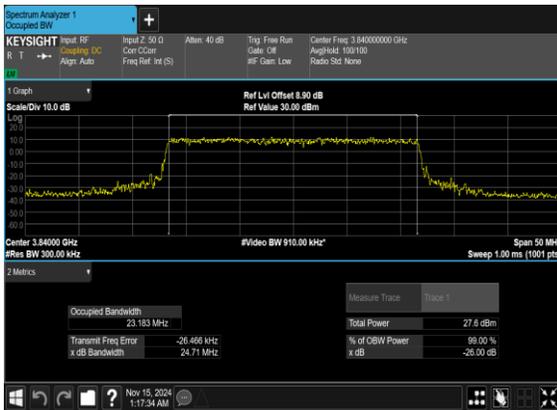
N77(25M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



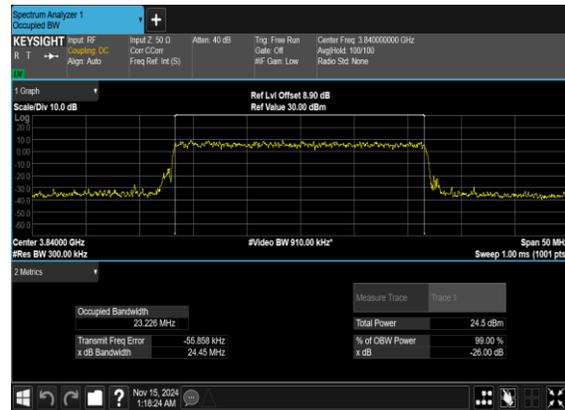
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N77(25M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

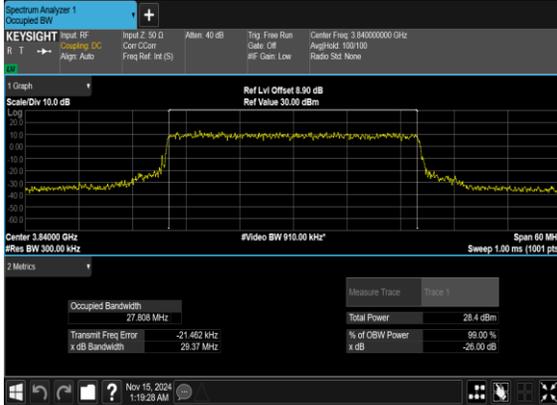


N77(25M)_CP-OFDM_256QAM_Outer_Full_Mid_CH





N77(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



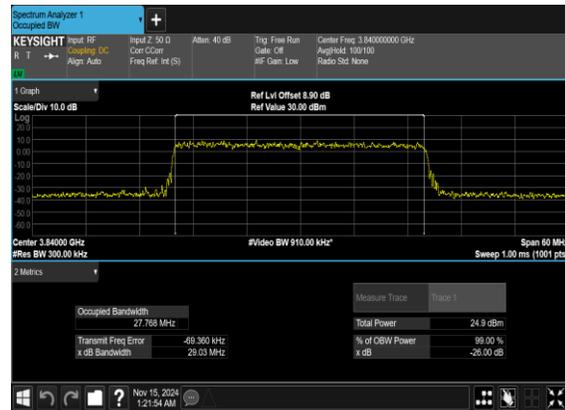
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N77(30M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N77(30M)_CP-OFDM_256QAM_Outer_Full_Mid_CH





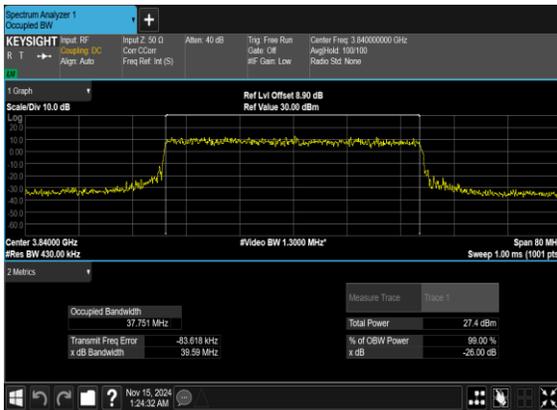
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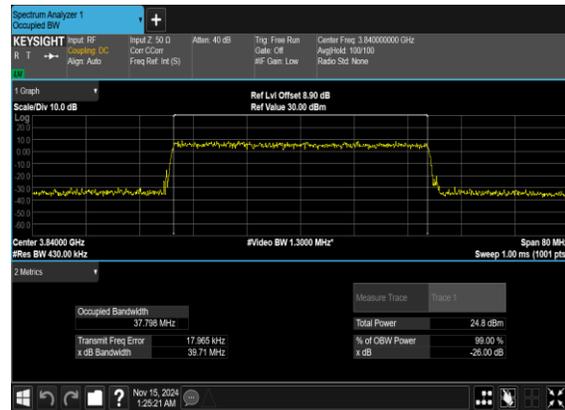
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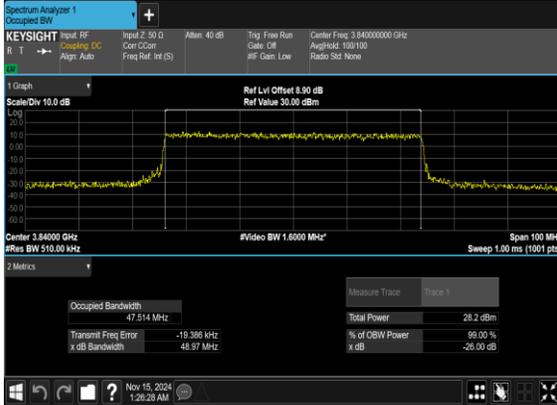


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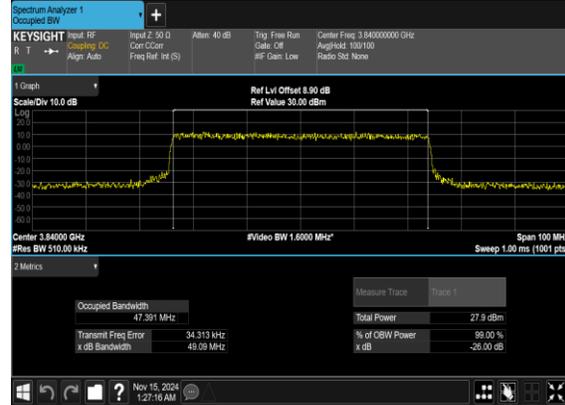




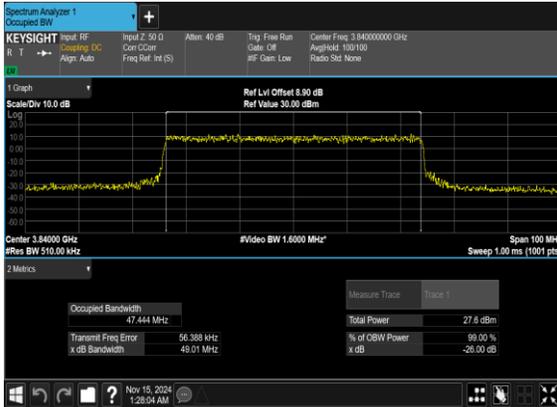
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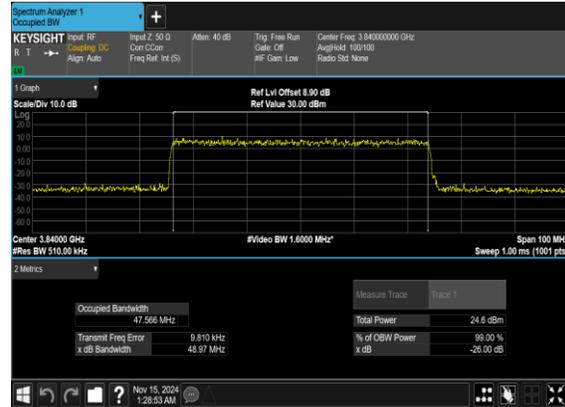
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N77(50M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

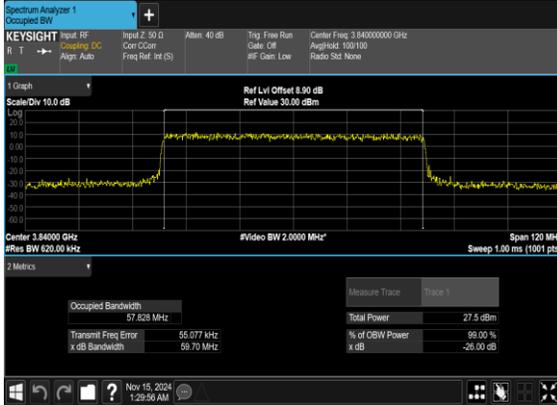


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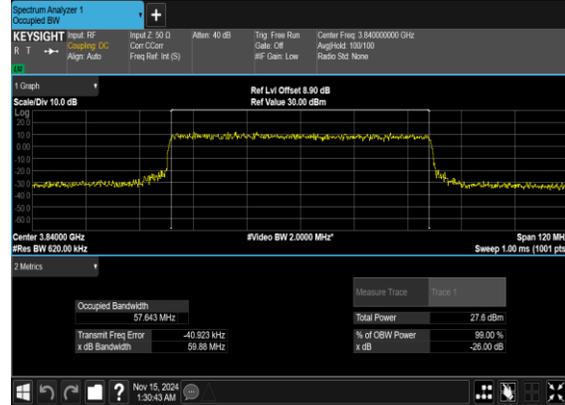




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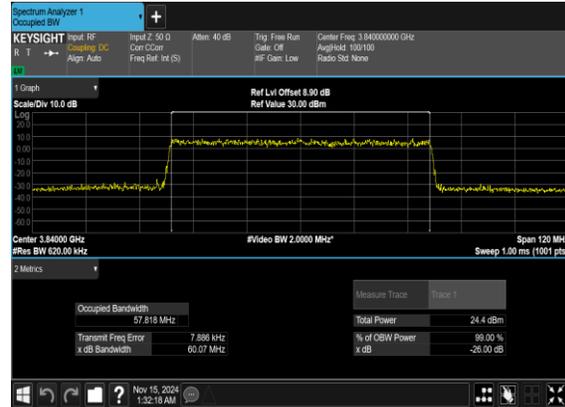
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N77(60M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N77(60M)_CP-OFDM_256QAM_Outer_Full_Mid_CH





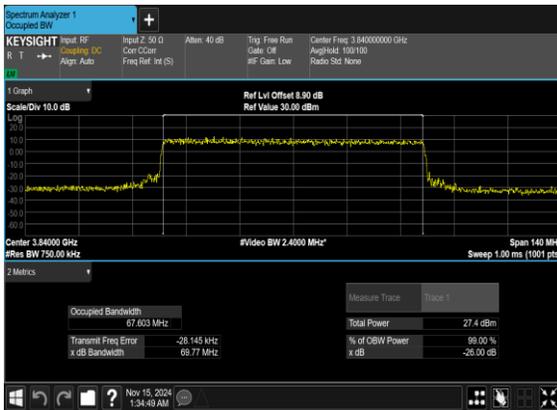
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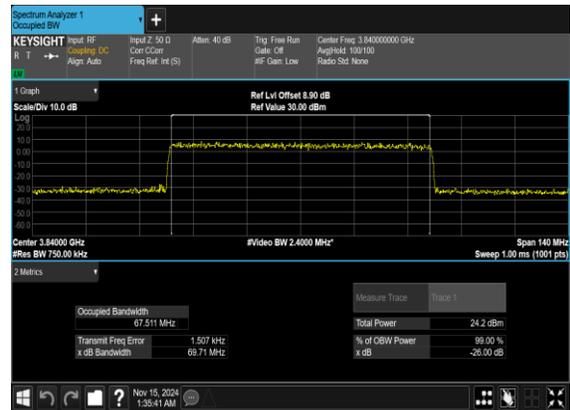
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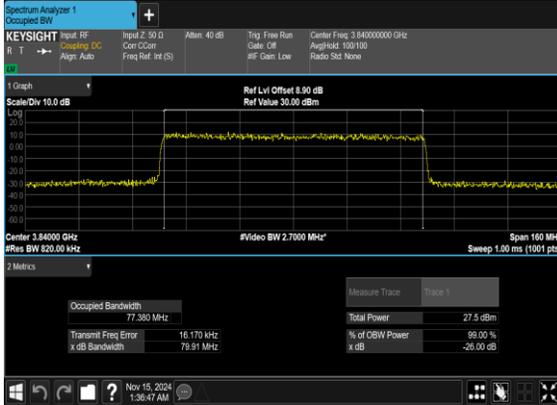


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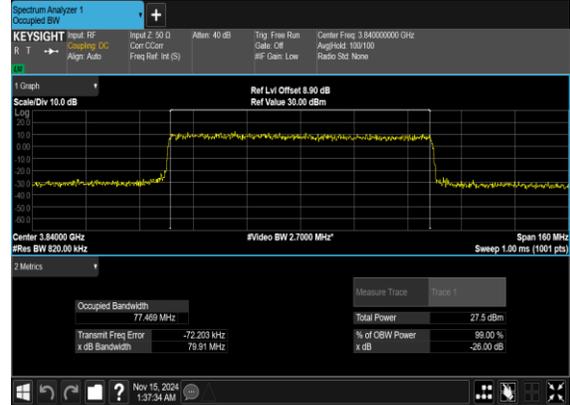




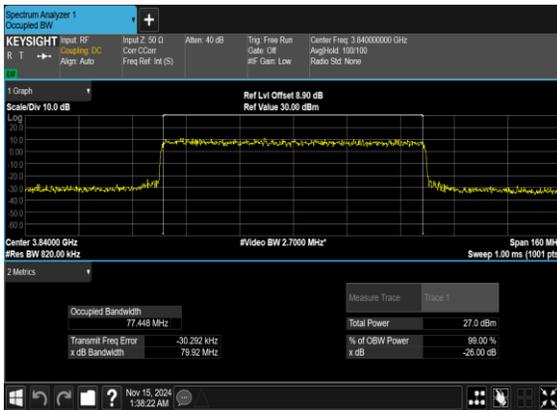
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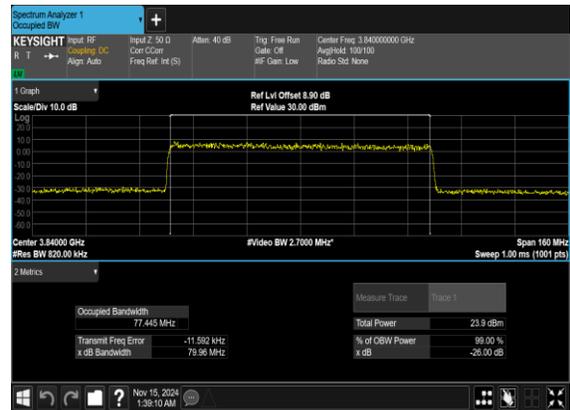
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N77(80M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

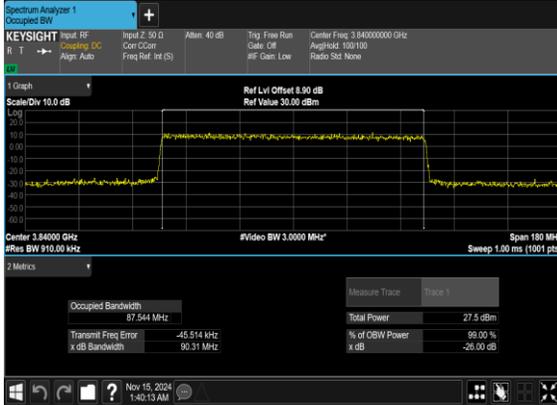


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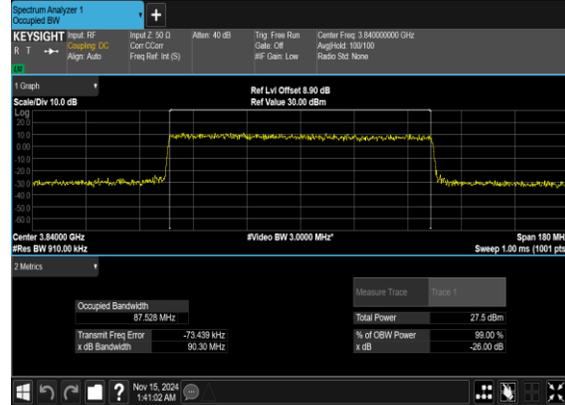




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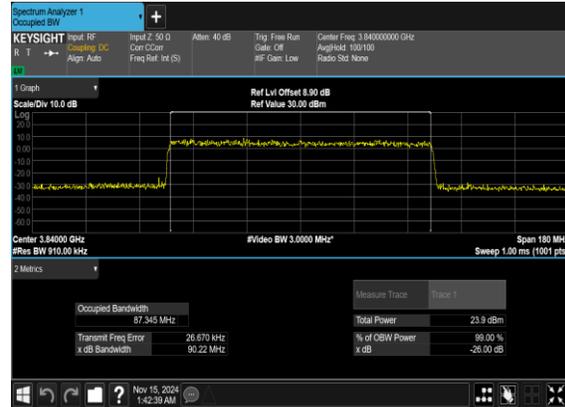
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N77(90M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N77(90M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

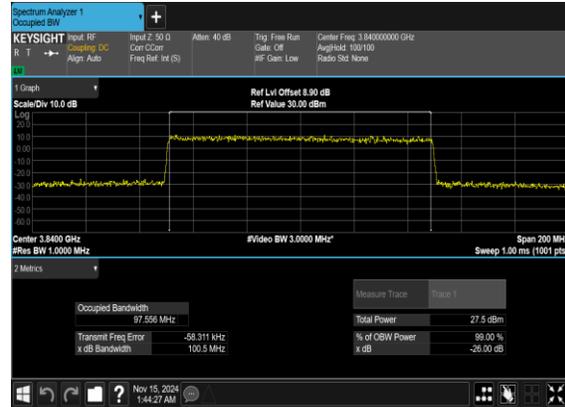




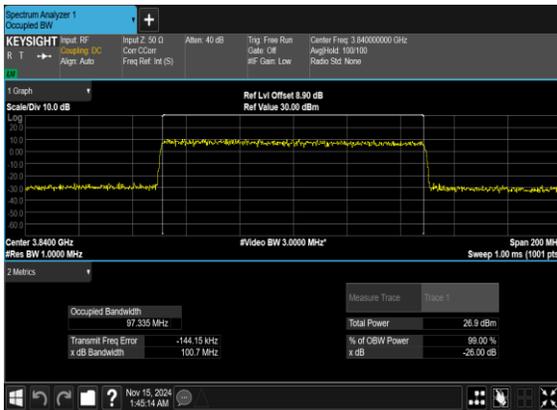
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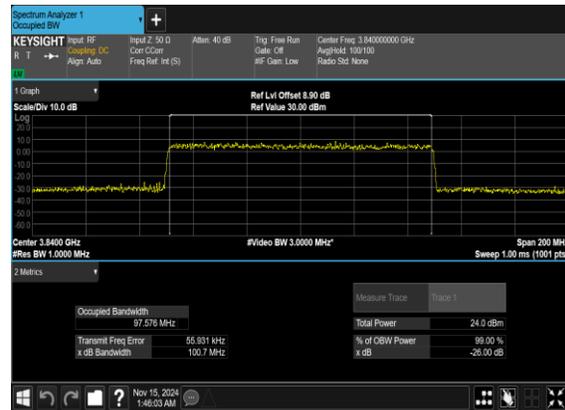
N77(100M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_256QAM_Outer_Full_Mid_CH





Conducted Spurious Emissions

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	---
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
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	---
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	10	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	10	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	---



77	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@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	---
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	50	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	50	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@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	---



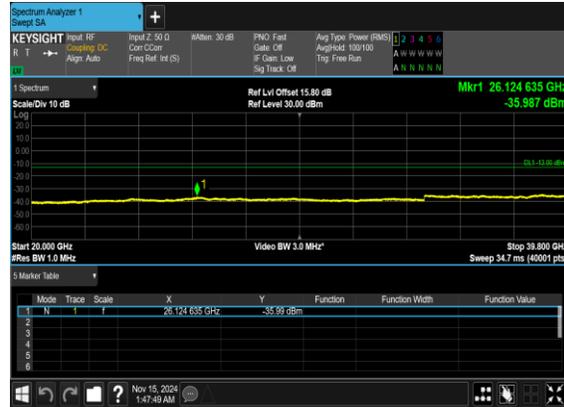
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77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	100	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@0	see graph	PASS



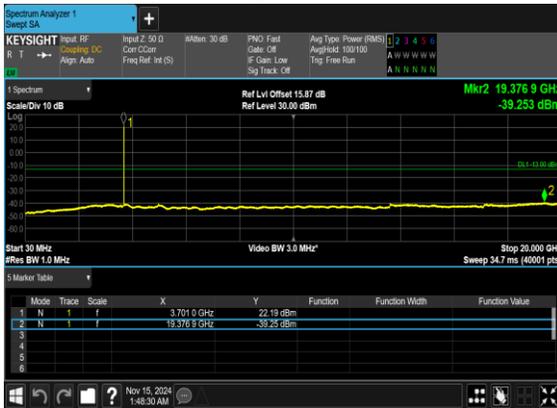
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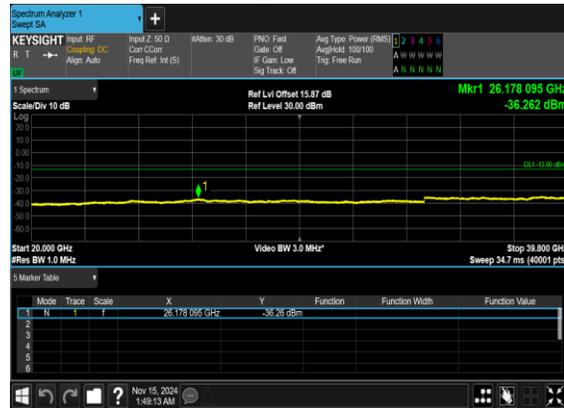
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N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

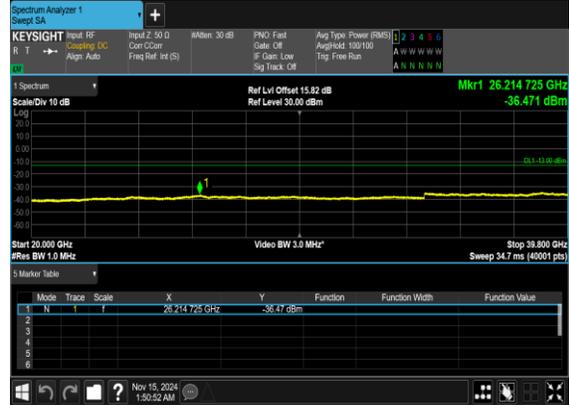




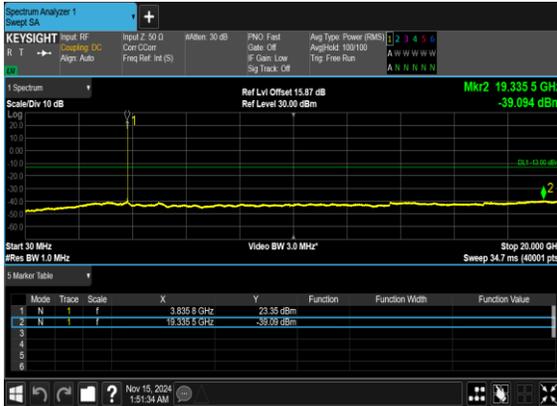
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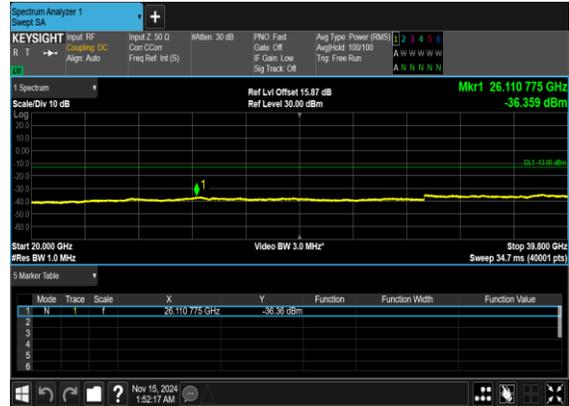
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N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

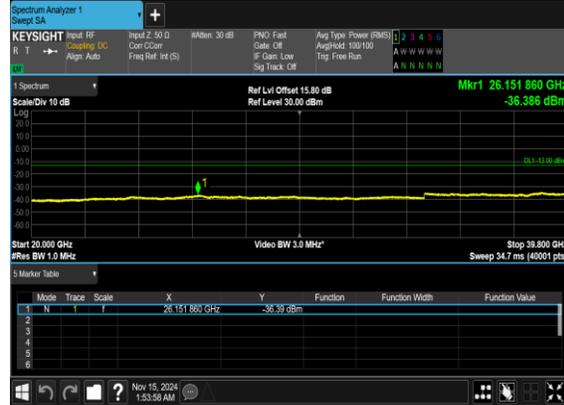




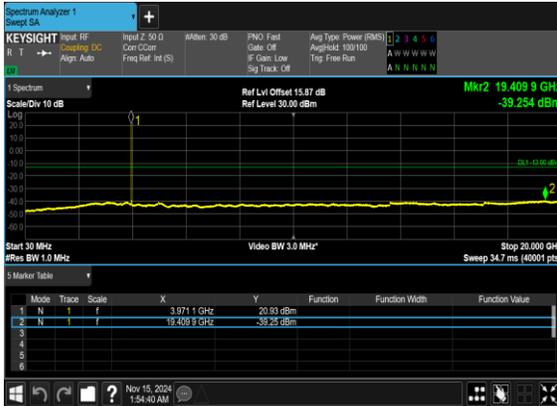
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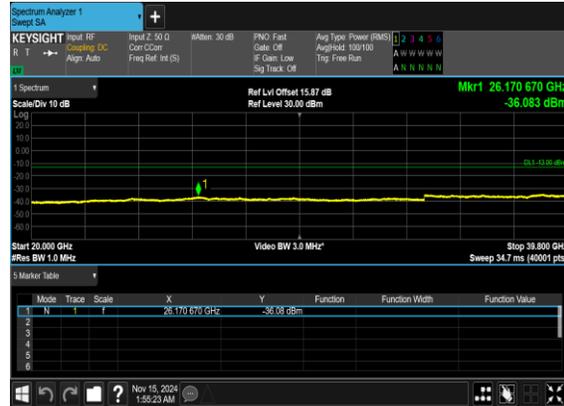
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

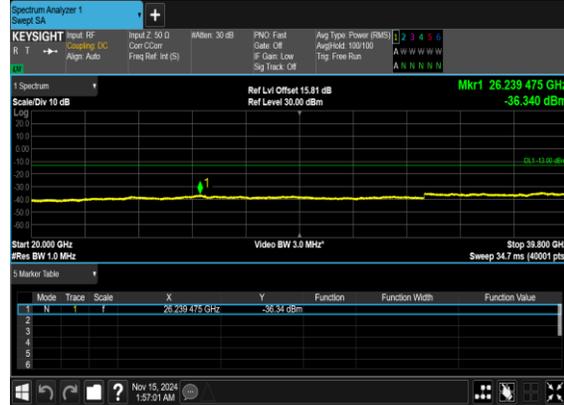




N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



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

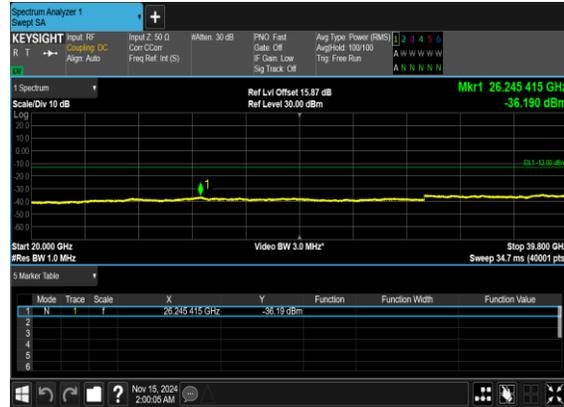




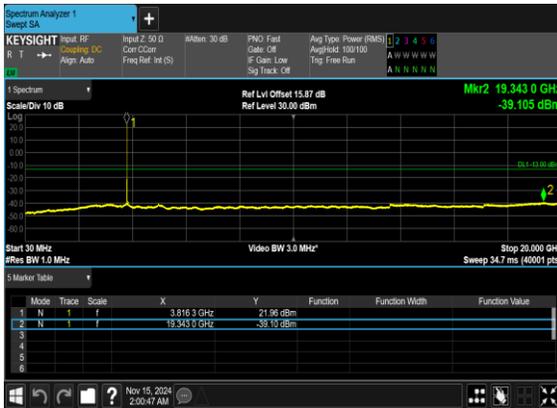
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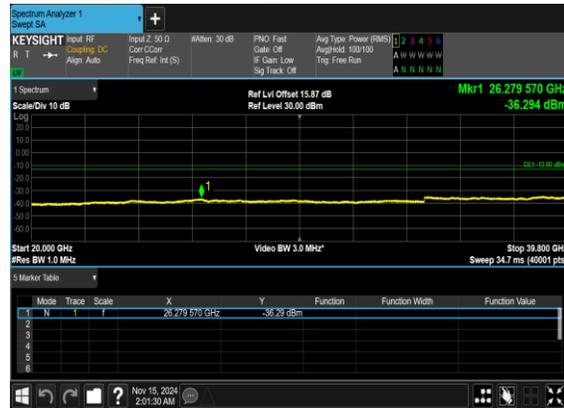
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

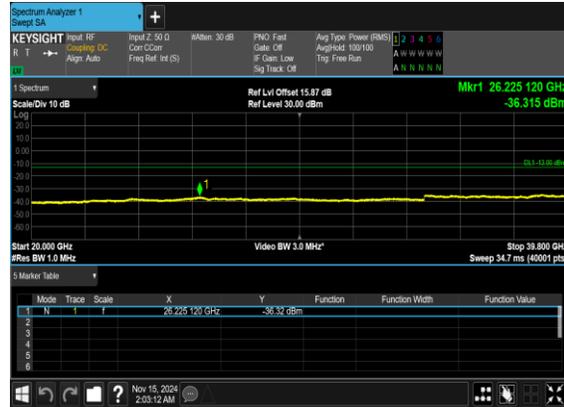




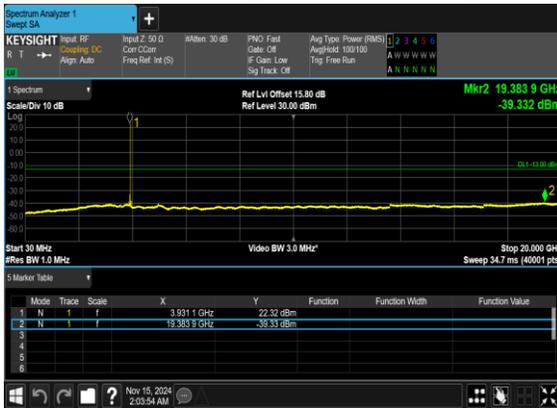
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



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





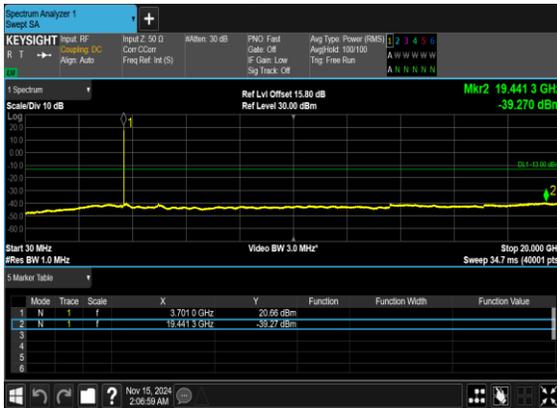
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



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

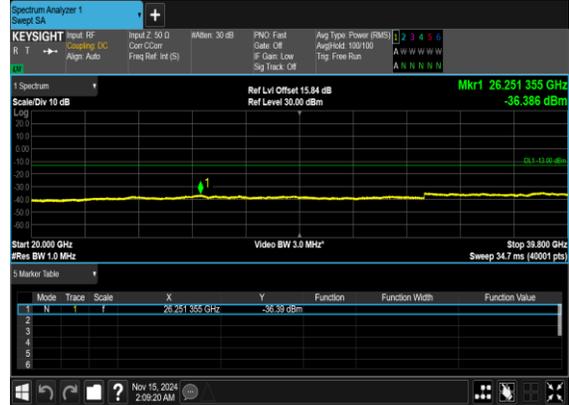




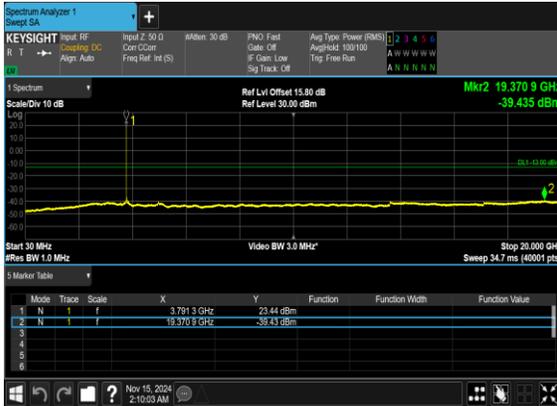
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



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

