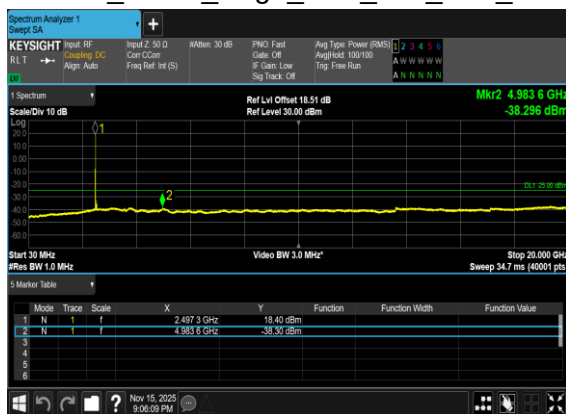
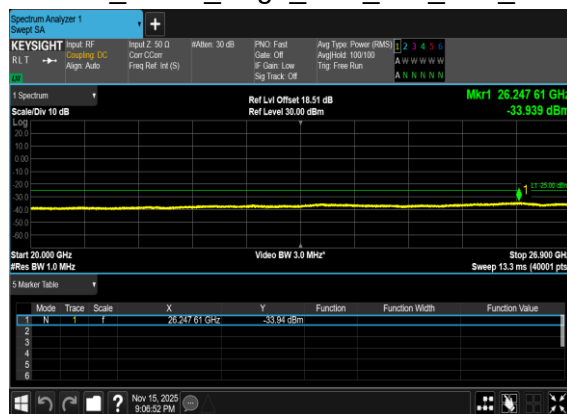
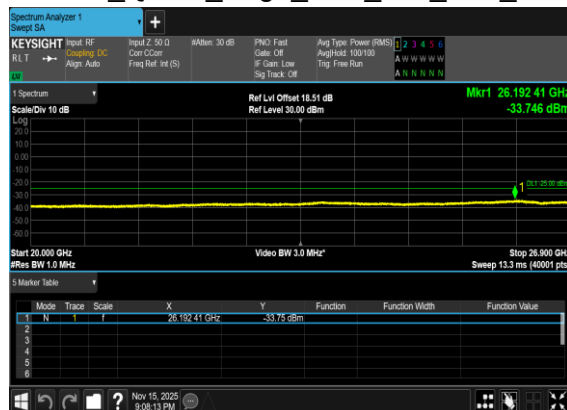


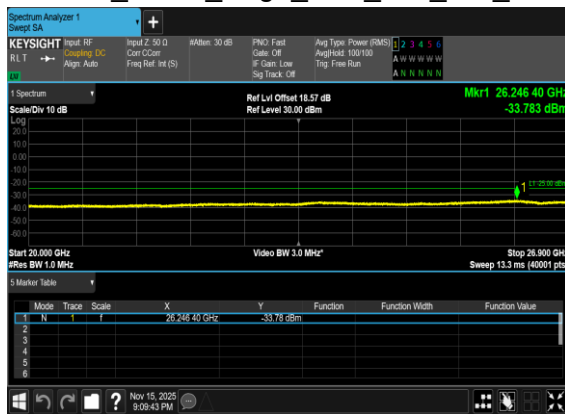
N41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN41(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CHN41(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



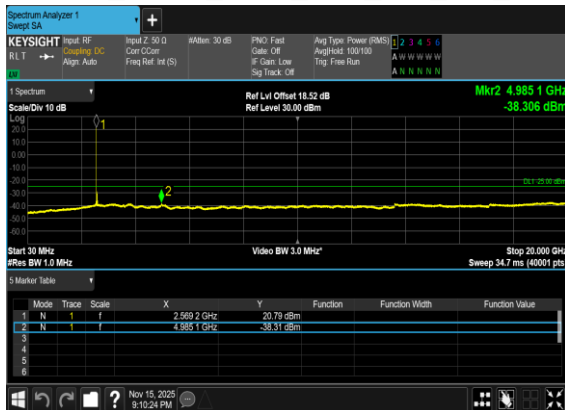
N41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



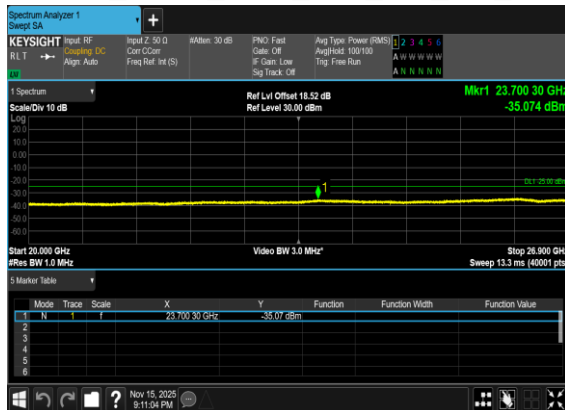
N41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH

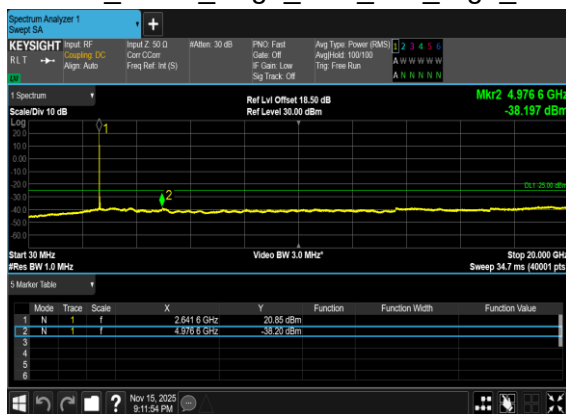
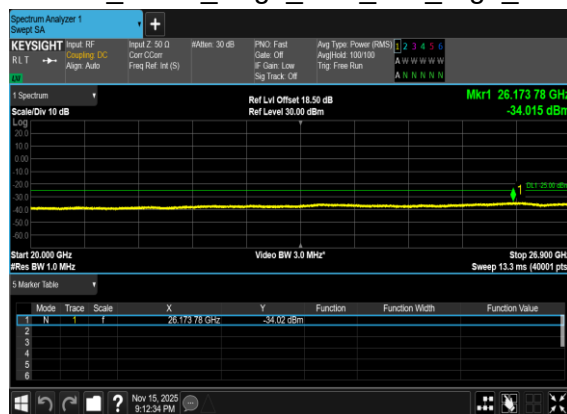
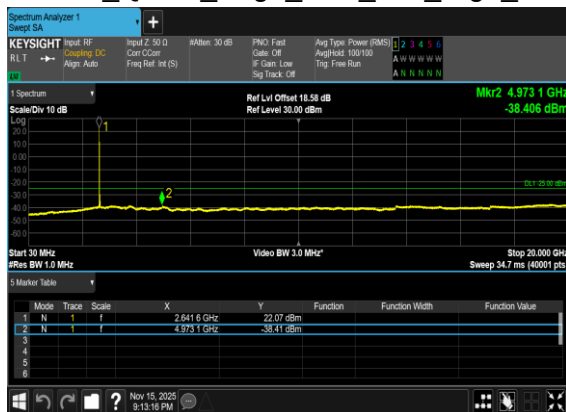


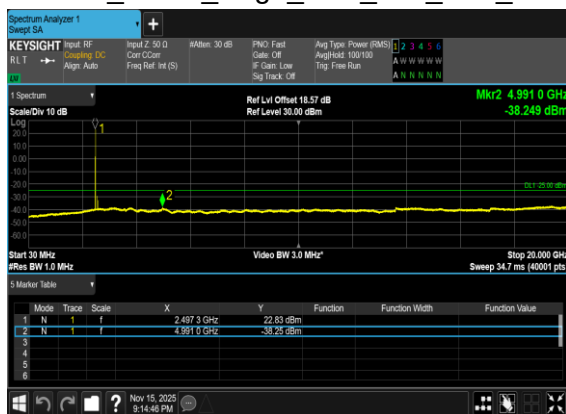
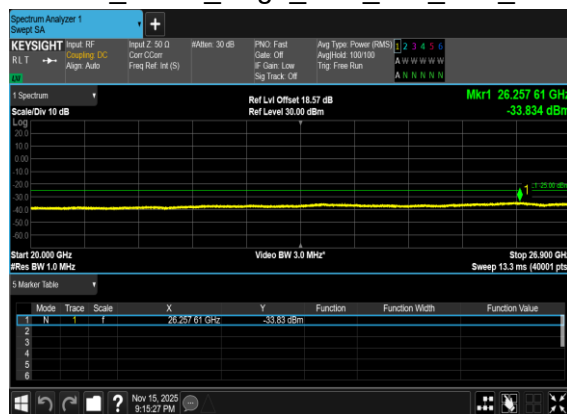
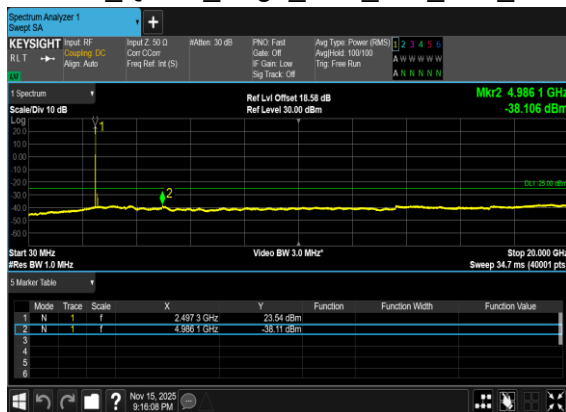
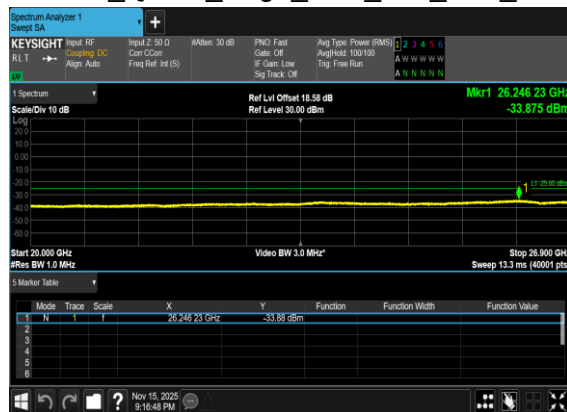
N41(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N41(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

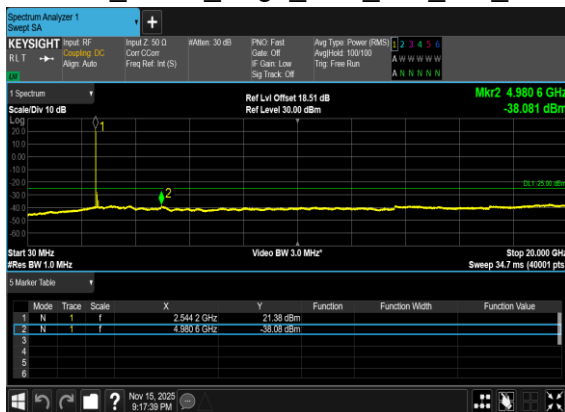


N41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CHN41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CHN41(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CHN41(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

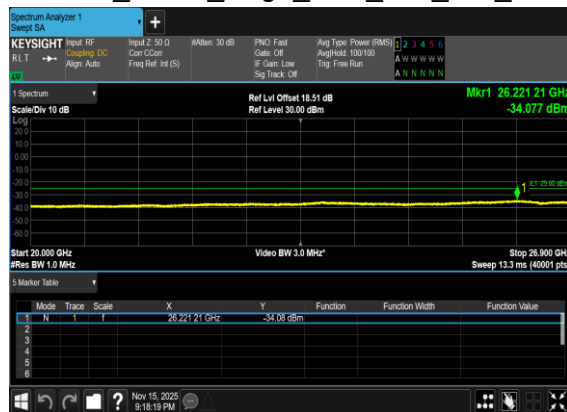
N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CHN41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



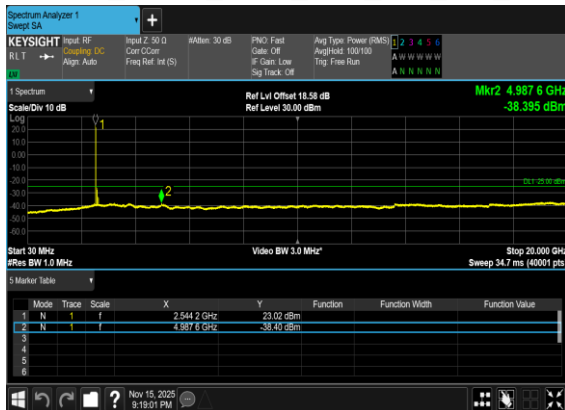
N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



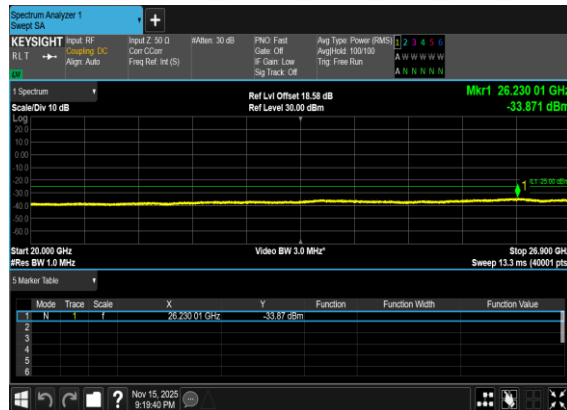
N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

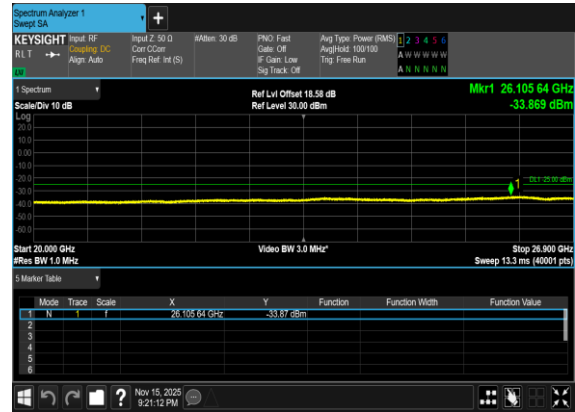




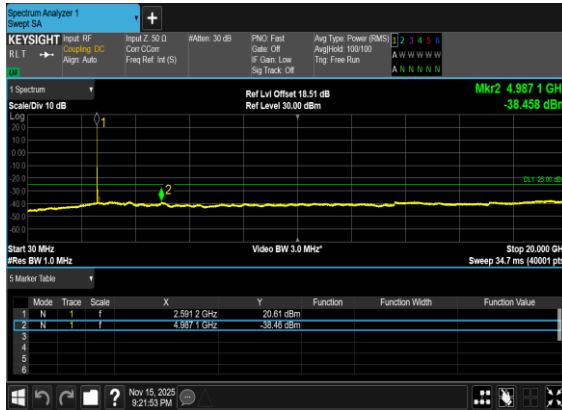
N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



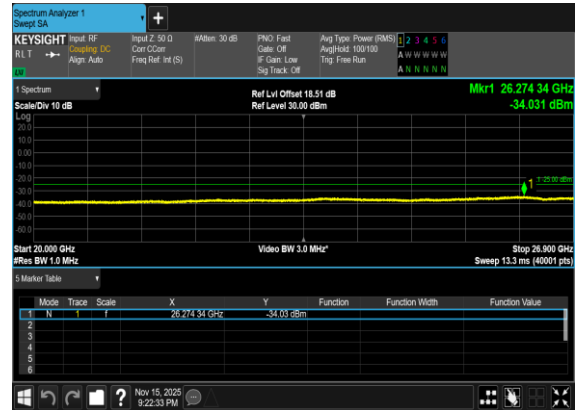
N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



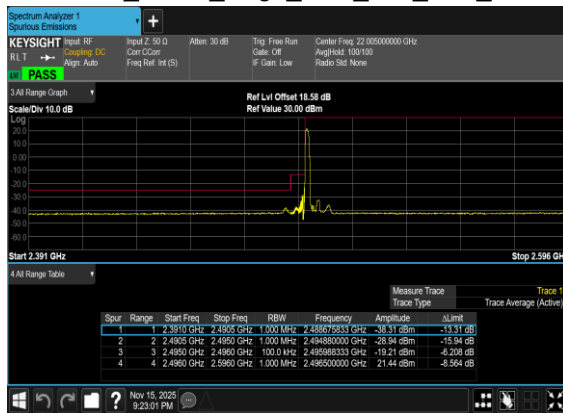


Conducted Band Edge

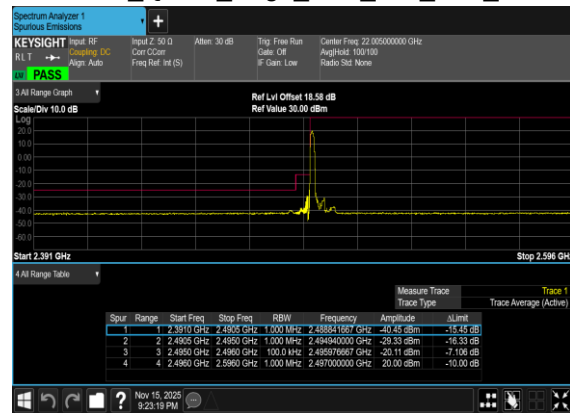
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	30	10	500202	2501.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM BPSK	24@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	24@0	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM BPSK	1@23	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM QPSK	1@23	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM BPSK	24@0	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM QPSK	24@0	see graph	PASS
41	30	50	504204	2521.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	50	504204	2521.02	DFT-s-OFDM BPSK	128@0	see graph	PASS
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	128@0	see graph	PASS
41	30	50	532998	2664.99	DFT-s-OFDM BPSK	1@132	see graph	PASS
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	1@132	see graph	PASS
41	30	50	532998	2664.99	DFT-s-OFDM BPSK	128@0	see graph	PASS
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	128@0	see graph	PASS
41	30	100	509202	2546.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	100	509202	2546.01	DFT-s-OFDM BPSK	270@0	see graph	PASS
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	270@0	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	1@272	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	1@272	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	270@0	see graph	PASS



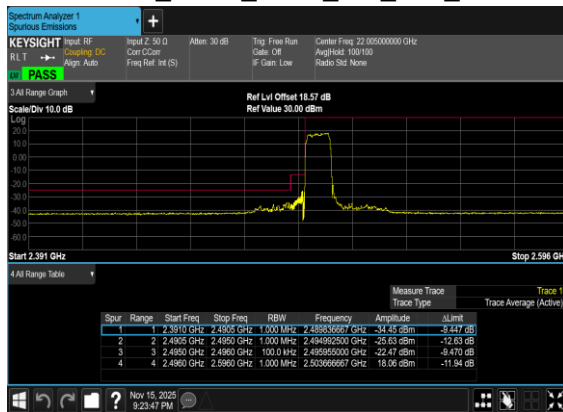
N41(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



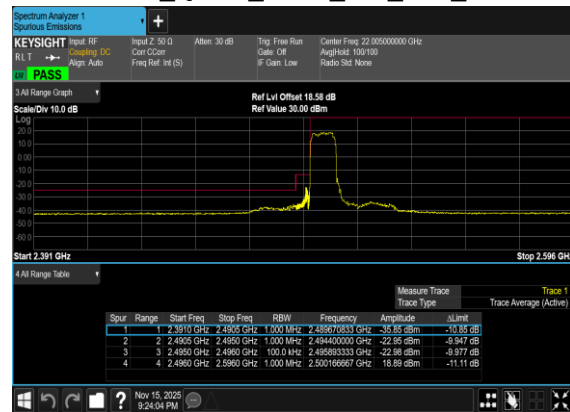
N41(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N41(10M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

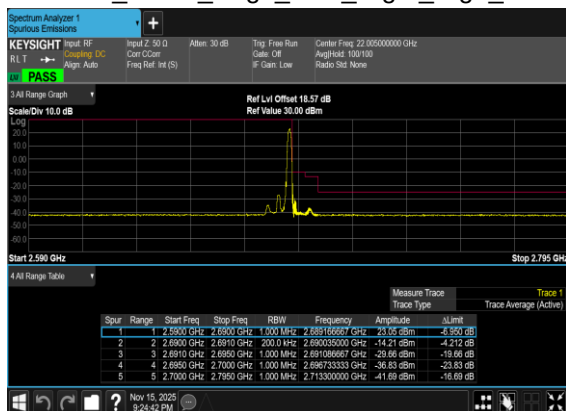


N41(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

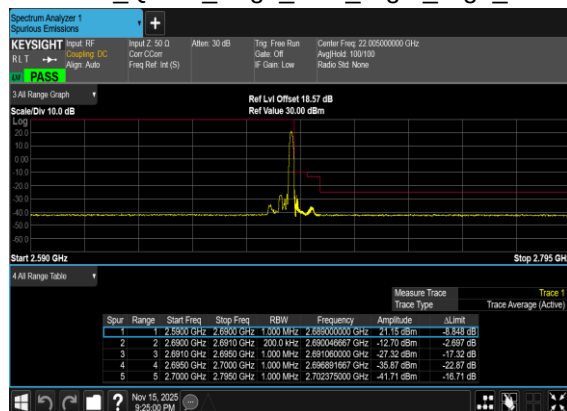




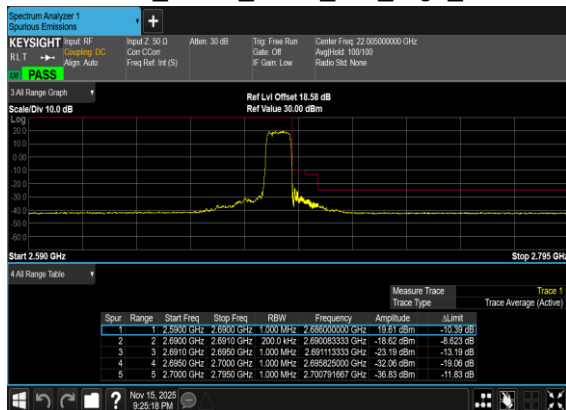
N41(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



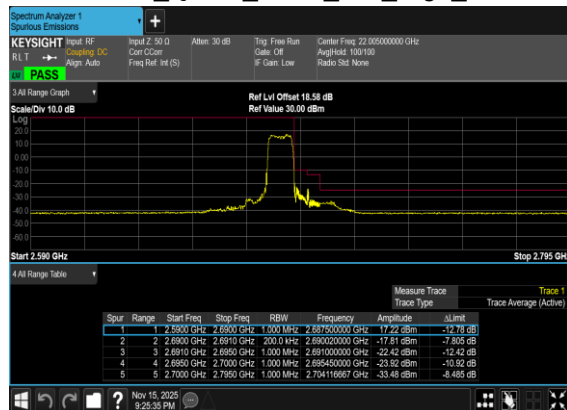
N41(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N41(10M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

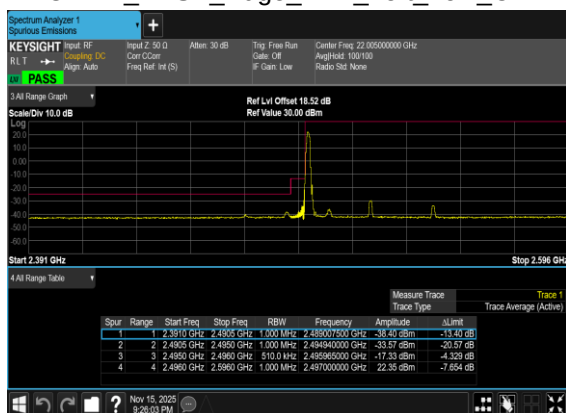


N41(10M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

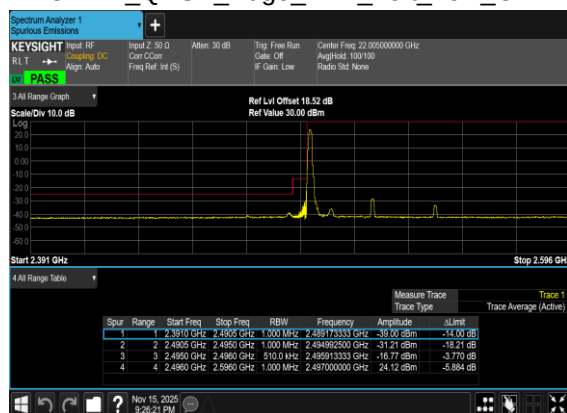




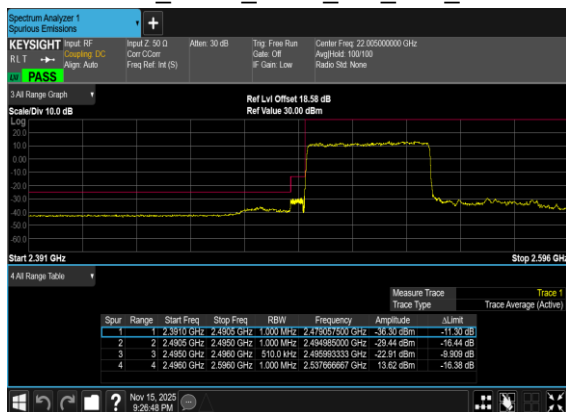
N41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



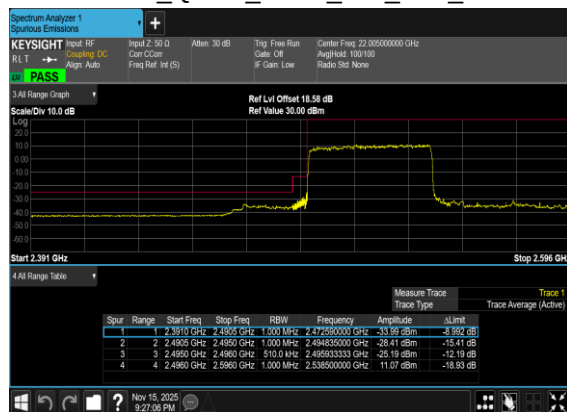
N41(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N41(50M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

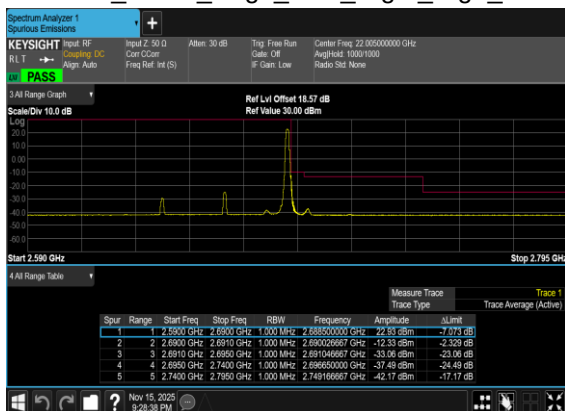


N41(50M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

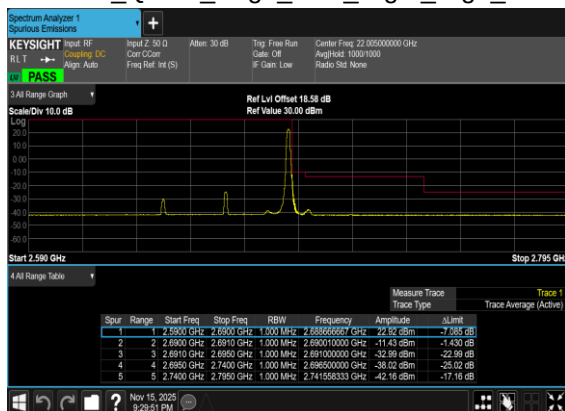




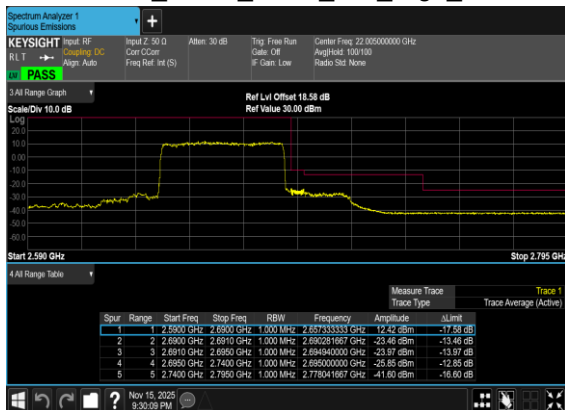
N41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



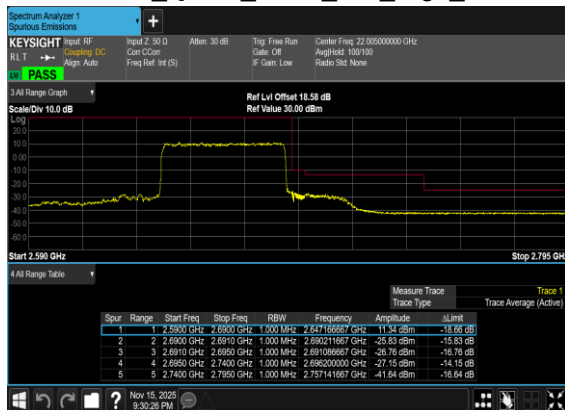
N41(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N41(50M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

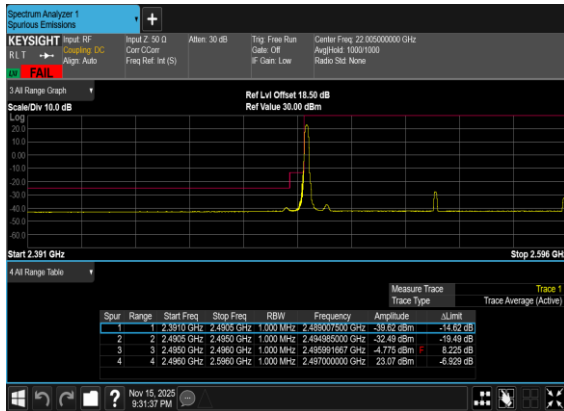


N41(50M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

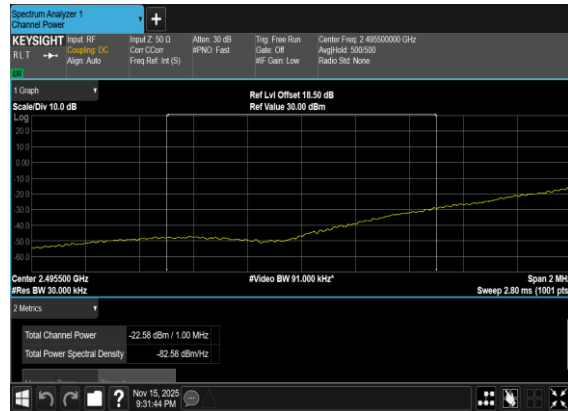




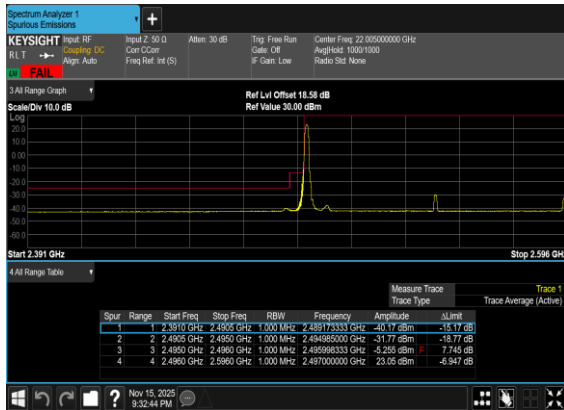
N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



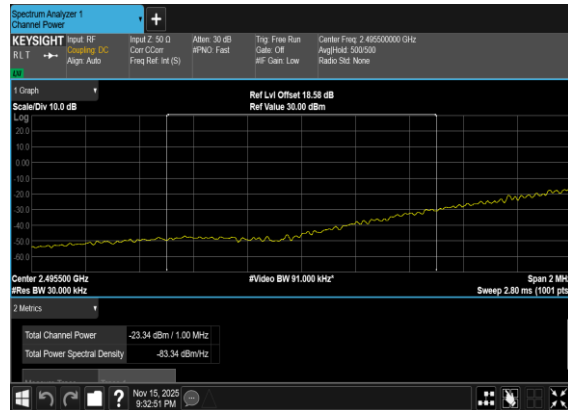
N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PASS



N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

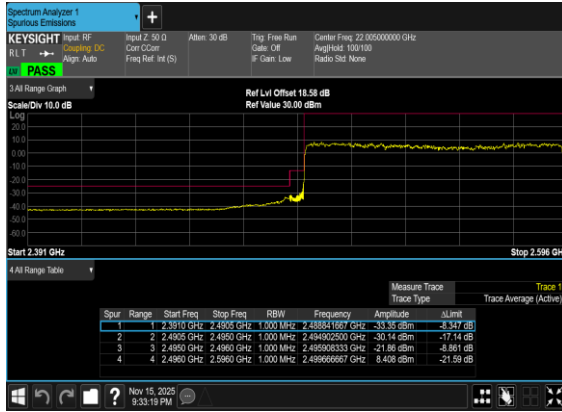


N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS

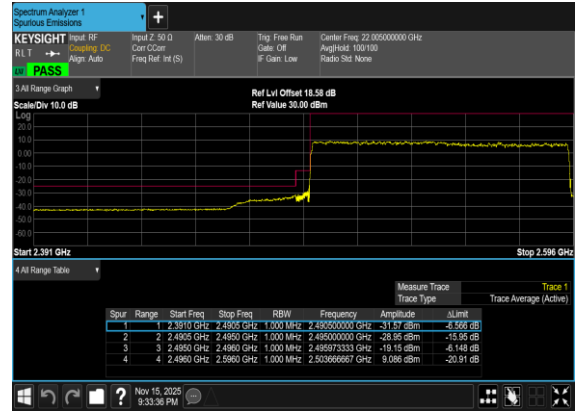




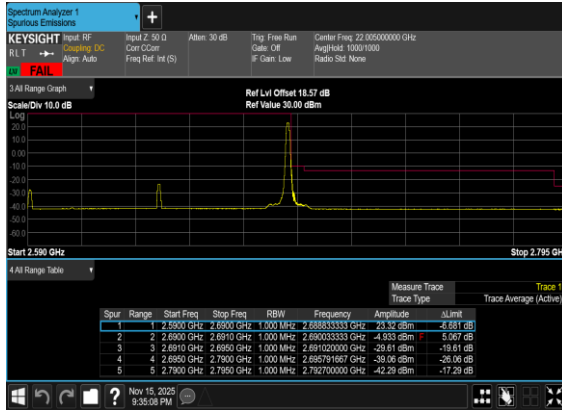
N41(100M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



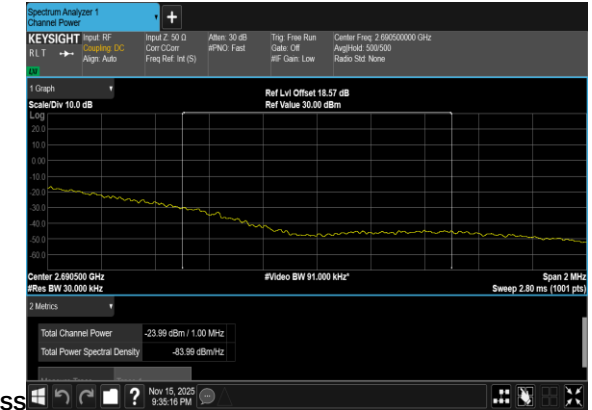
N41(100M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH_CHP_PA

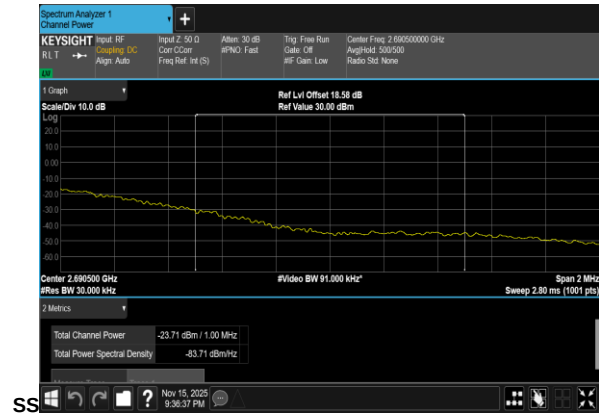




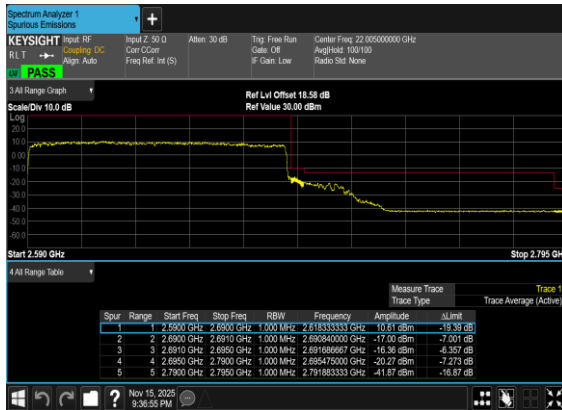
N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



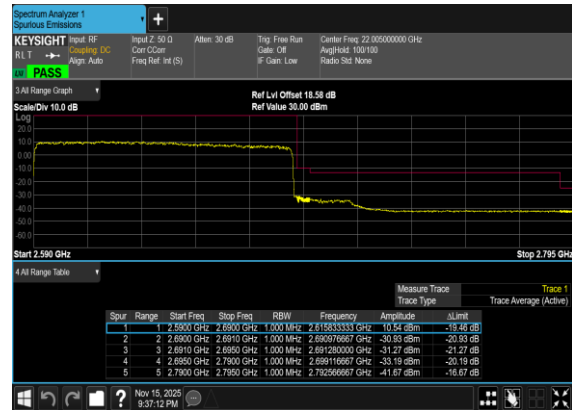
N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_PA



N41(100M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



N41(100M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





FR1 N41 MIMO-ANT5

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (Hz)	Verdict	Environment
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	50@0	13	PASS	NV
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	50@0	13.4	PASS	LV
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	50@0	15.1	PASS	HV
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	50@0	18.1	PASS	-30℃
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	50@0	11.9	PASS	-20℃
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	50@0	14.6	PASS	-10℃
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	50@0	18.6	PASS	0℃
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	50@0	12.6	PASS	10℃
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	50@0	13	PASS	20℃
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	50@0	17.6	PASS	30℃
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	50@0	18.4	PASS	40℃
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	50@0	14.1	PASS	50℃
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	13.8	PASS	NV
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	14.1	PASS	LV
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	18.5	PASS	HV
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	14.2	PASS	-30℃
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	12.7	PASS	-20℃
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	14.7	PASS	-10℃
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	12	PASS	0℃
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	13.4	PASS	10℃
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	13.8	PASS	20℃
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	11.9	PASS	30℃
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	15.2	PASS	40℃
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	15.7	PASS	50℃
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	50@0	18.2	PASS	NV
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	50@0	17.4	PASS	LV



41	30	20	535998	2679.99	DFT-s-OFDM QPSK	50@0	15.7	PASS	HV
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	50@0	12.5	PASS	-30℃
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	50@0	16.5	PASS	-20℃
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	50@0	11.1	PASS	-10℃
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	50@0	16	PASS	0℃
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	50@0	14.3	PASS	10℃
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	50@0	18.2	PASS	20℃
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	50@0	18.2	PASS	30℃
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	50@0	12.5	PASS	40℃
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	50@0	17.3	PASS	50℃

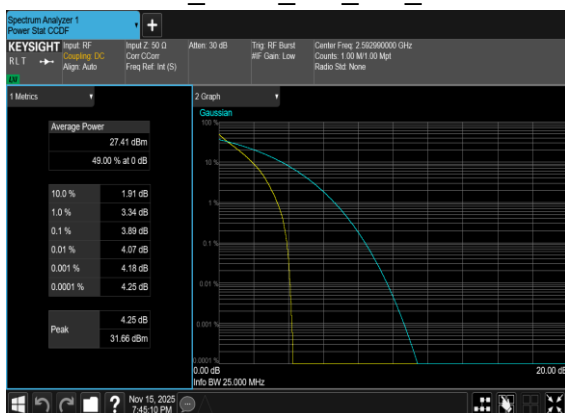
$|\text{MAX}(\Delta f)| = 18.6 \text{ Hz}$

Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - \text{MAX}(\Delta f) $	2496.908081	$\geq 2496 \text{ MHz}$	PASS
$f_H + \text{MAX}(\Delta f) $	2689.060919	$\leq 2690 \text{ MHz}$	

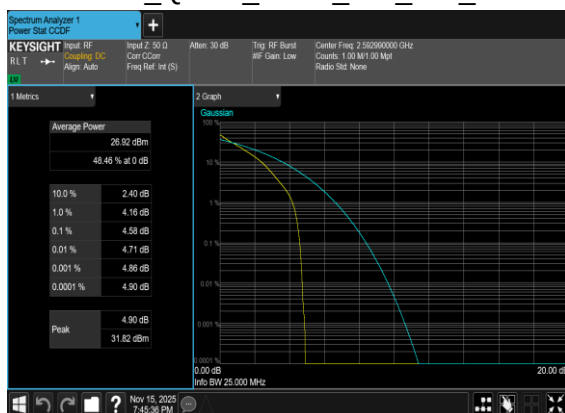
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
41	30	20	518598	2592.99	DFT-s-OFDM PI/2 BPSK	50@0	3.89	13	PASS
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	4.58	13	PASS

N41(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



N41(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH





Occupied Bandwidth

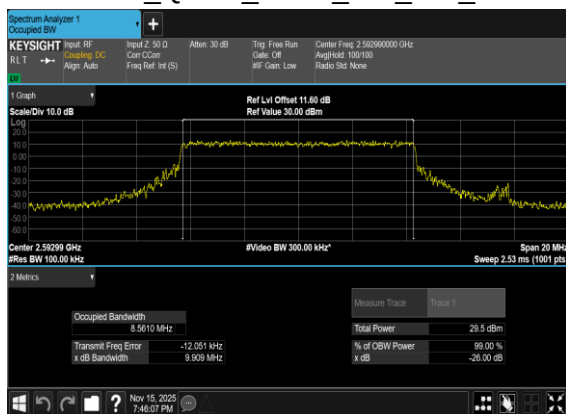
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
41	30	10	518598	2592.99	CP-OFDM QPSK	24@0	8.561	9.909
41	30	10	518598	2592.99	CP-OFDM 16 QAM	24@0	8.5542	9.559
41	30	10	518598	2592.99	CP-OFDM 64 QAM	24@0	8.5966	9.504
41	30	10	518598	2592.99	CP-OFDM 256 QAM	24@0	8.5594	9.234
41	30	15	518598	2592.99	CP-OFDM QPSK	38@0	13.541	14.76
41	30	15	518598	2592.99	CP-OFDM 16 QAM	38@0	13.587	14.81
41	30	15	518598	2592.99	CP-OFDM 64 QAM	38@0	13.542	14.71
41	30	15	518598	2592.99	CP-OFDM 256 QAM	38@0	13.552	14.66
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	18.267	19.09
41	30	20	518598	2592.99	CP-OFDM 16 QAM	51@0	18.196	19.31
41	30	20	518598	2592.99	CP-OFDM 64 QAM	51@0	18.209	19.47
41	30	20	518598	2592.99	CP-OFDM 256 QAM	51@0	18.184	19.38
41	30	25	518598	2592.99	CP-OFDM QPSK	65@0	23.258	24.49
41	30	25	518598	2592.99	CP-OFDM 16 QAM	65@0	23.246	24.45
41	30	25	518598	2592.99	CP-OFDM 64 QAM	65@0	23.188	24.65
41	30	25	518598	2592.99	CP-OFDM 256 QAM	65@0	23.29	24.46
41	30	30	518598	2592.99	CP-OFDM QPSK	78@0	27.817	29.42
41	30	30	518598	2592.99	CP-OFDM 16 QAM	78@0	27.833	29.81
41	30	30	518598	2592.99	CP-OFDM 64 QAM	78@0	27.884	29.58
41	30	30	518598	2592.99	CP-OFDM 256 QAM	78@0	27.864	29.49
41	30	35	518598	2592.99	CP-OFDM QPSK	92@0	32.878	34.18
41	30	35	518598	2592.99	CP-OFDM 16 QAM	92@0	32.822	34.12
41	30	35	518598	2592.99	CP-OFDM 64 QAM	92@0	32.856	34.58
41	30	35	518598	2592.99	CP-OFDM 256 QAM	92@0	32.88	34.24
41	30	40	518598	2592.99	CP-OFDM QPSK	106@0	37.824	39.45
41	30	40	518598	2592.99	CP-OFDM 16 QAM	106@0	37.891	39.67
41	30	40	518598	2592.99	CP-OFDM 64 QAM	106@0	37.757	39.4
41	30	40	518598	2592.99	CP-OFDM 256 QAM	106@0	37.866	39.31
41	30	45	518598	2592.99	CP-OFDM QPSK	119@0	42.549	44.26



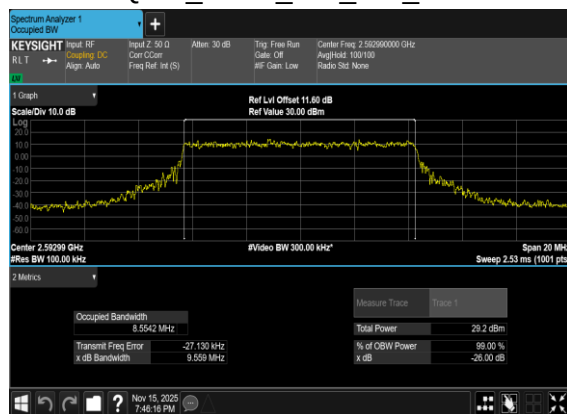
41	30	45	518598	2592.99	CP-OFDM 16 QAM	119@0	42.453	44.57
41	30	45	518598	2592.99	CP-OFDM 64 QAM	119@0	42.447	44.06
41	30	45	518598	2592.99	CP-OFDM 256 QAM	119@0	42.41	44.01
41	30	50	518598	2592.99	CP-OFDM QPSK	133@0	47.291	49.22
41	30	50	518598	2592.99	CP-OFDM 16 QAM	133@0	47.479	49.2
41	30	50	518598	2592.99	CP-OFDM 64 QAM	133@0	47.523	49.49
41	30	50	518598	2592.99	CP-OFDM 256 QAM	133@0	47.542	49.37
41	30	60	518598	2592.99	CP-OFDM QPSK	162@0	57.841	59.84
41	30	60	518598	2592.99	CP-OFDM 16 QAM	162@0	57.924	59.93
41	30	60	518598	2592.99	CP-OFDM 64 QAM	162@0	57.82	60.13
41	30	60	518598	2592.99	CP-OFDM 256 QAM	162@0	57.743	59.54
41	30	70	518598	2592.99	CP-OFDM QPSK	189@0	67.559	70.0
41	30	70	518598	2592.99	CP-OFDM 16 QAM	189@0	67.334	69.72
41	30	70	518598	2592.99	CP-OFDM 64 QAM	189@0	67.422	69.78
41	30	70	518598	2592.99	CP-OFDM 256 QAM	189@0	67.304	69.62
41	30	80	518598	2592.99	CP-OFDM QPSK	217@0	77.394	80.31
41	30	80	518598	2592.99	CP-OFDM 16 QAM	217@0	77.393	79.97
41	30	80	518598	2592.99	CP-OFDM 64 QAM	217@0	77.534	80.06
41	30	80	518598	2592.99	CP-OFDM 256 QAM	217@0	77.314	79.83
41	30	90	518598	2592.99	CP-OFDM QPSK	245@0	87.269	90.3
41	30	90	518598	2592.99	CP-OFDM 16 QAM	245@0	87.473	90.19
41	30	90	518598	2592.99	CP-OFDM 64 QAM	245@0	87.443	90.36
41	30	90	518598	2592.99	CP-OFDM 256 QAM	245@0	87.422	90.27
41	30	100	518598	2592.99	CP-OFDM QPSK	273@0	97.562	100.5
41	30	100	518598	2592.99	CP-OFDM 16 QAM	273@0	97.57	100.4
41	30	100	518598	2592.99	CP-OFDM 64 QAM	273@0	97.425	100.4
41	30	100	518598	2592.99	CP-OFDM 256 QAM	273@0	97.727	100.6



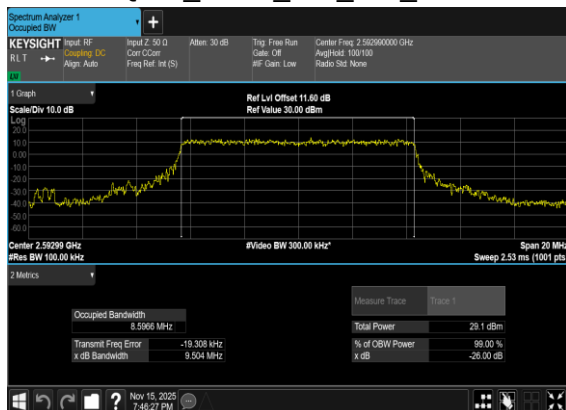
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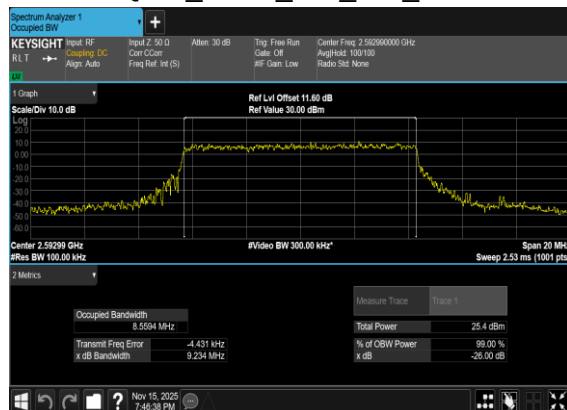
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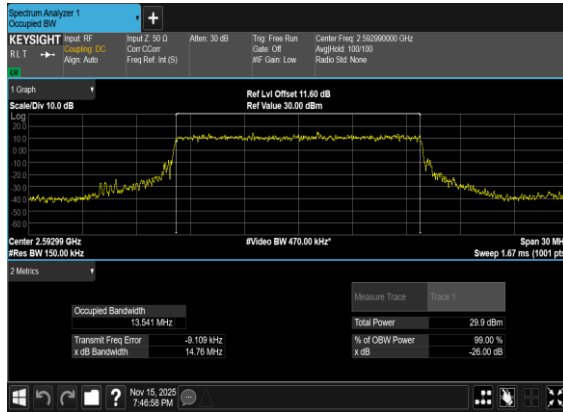


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QAM_Outer_Full_Mid_CH





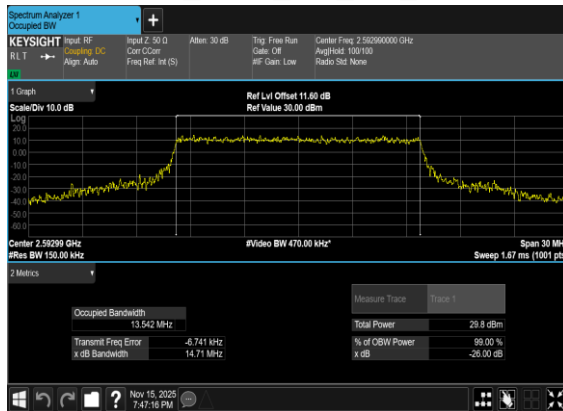
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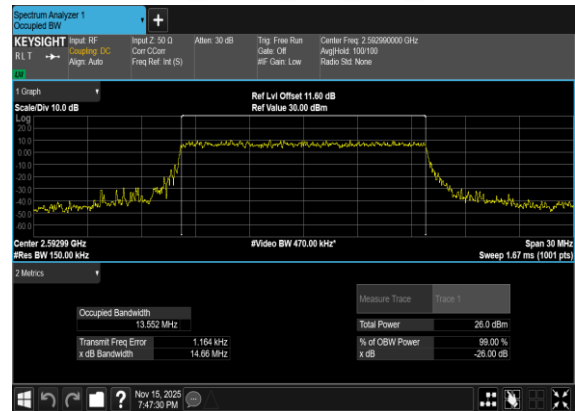
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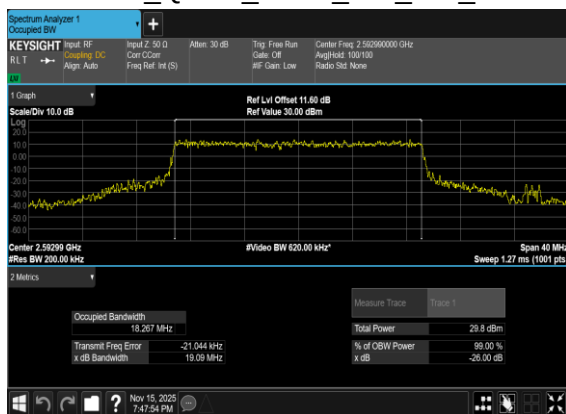


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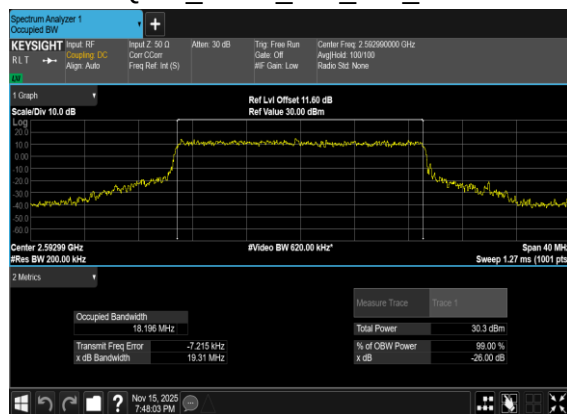




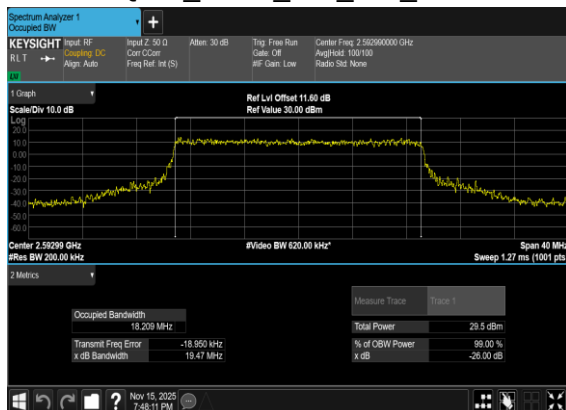
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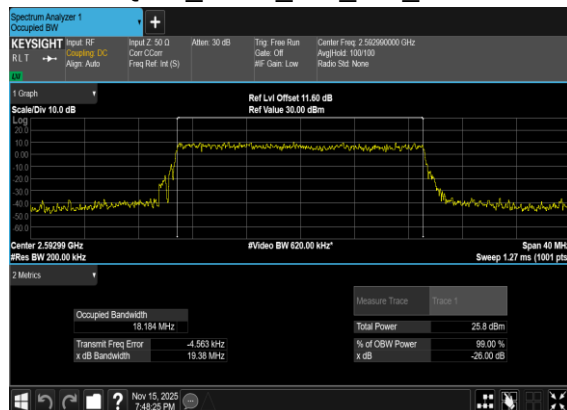
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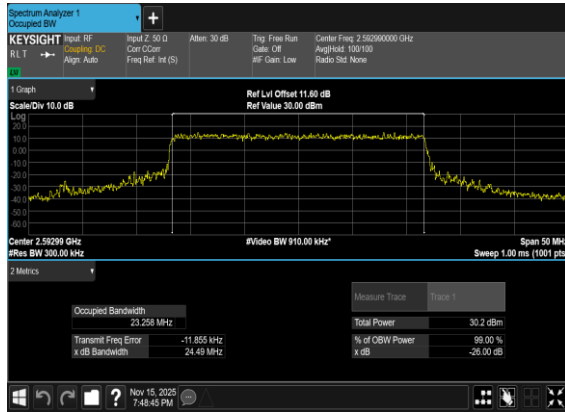


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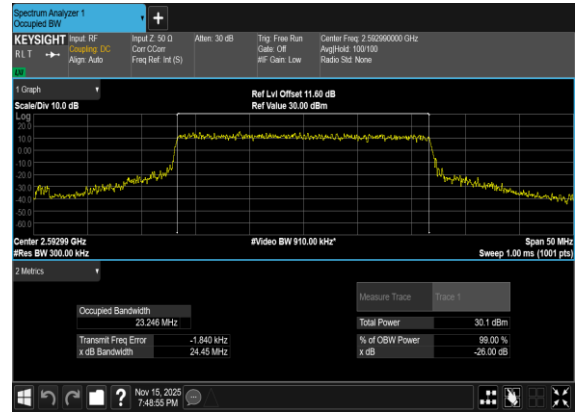




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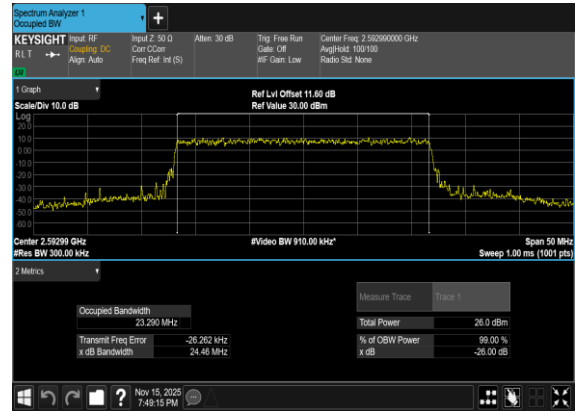
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QAM_Outer_Full_Mid_CH

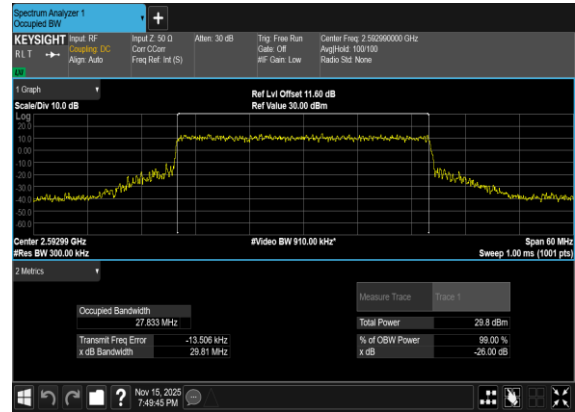




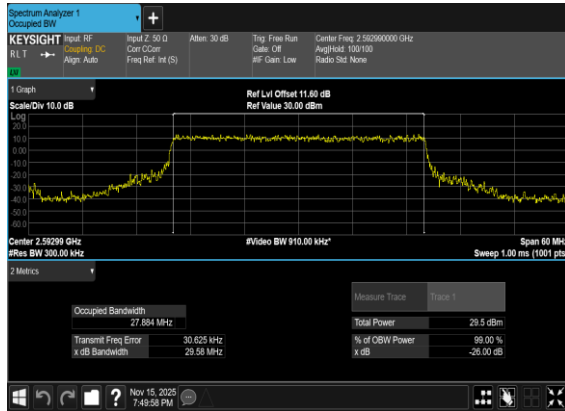
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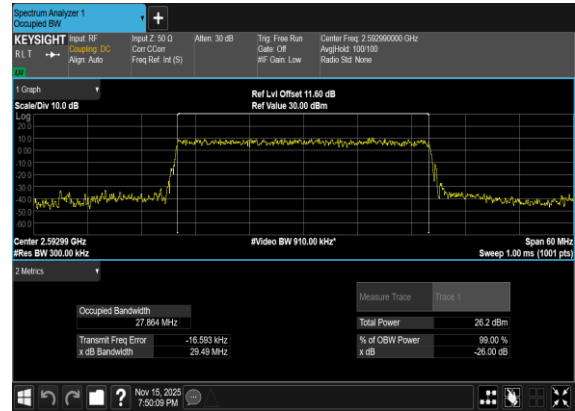
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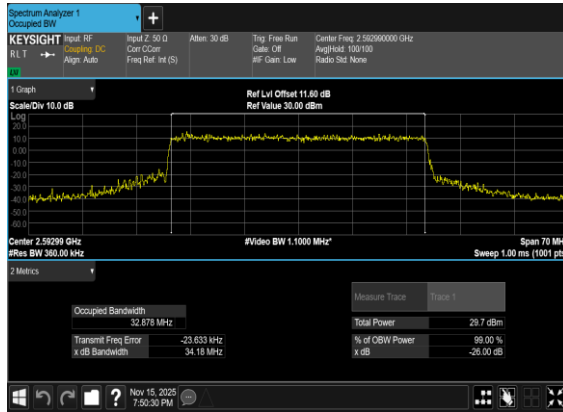


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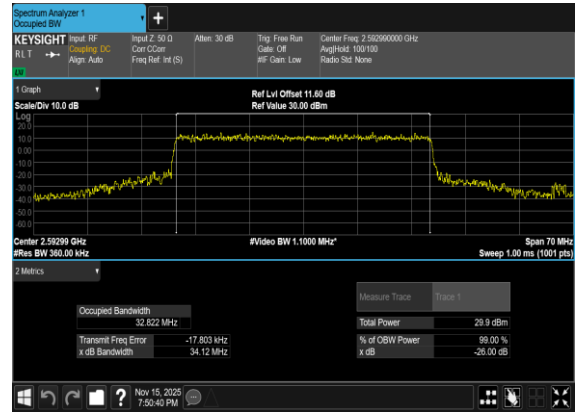




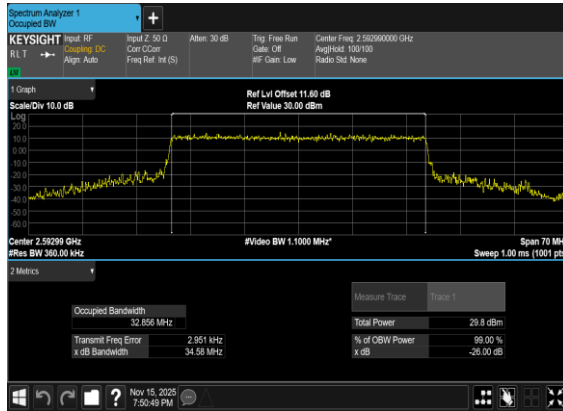
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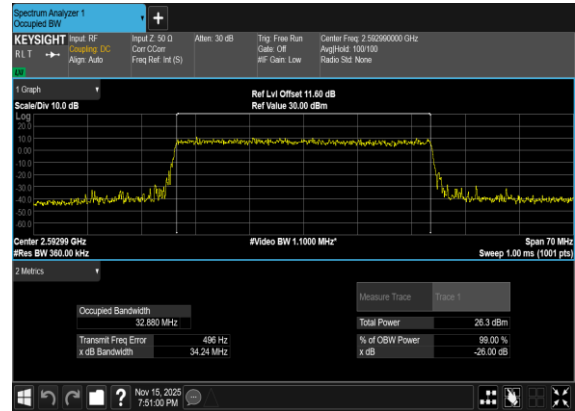
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QAM_Outer_Full_Mid_CH

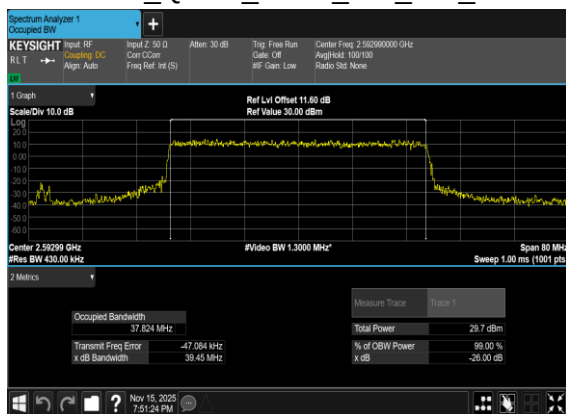


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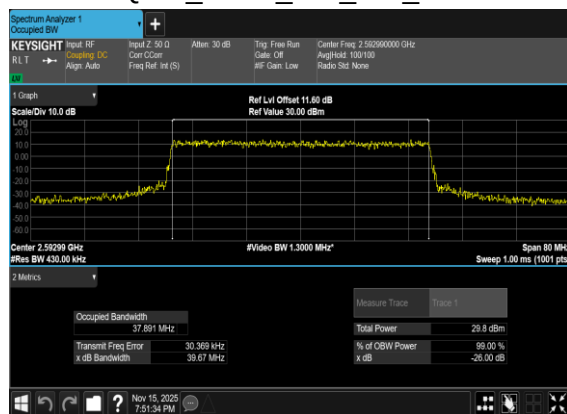




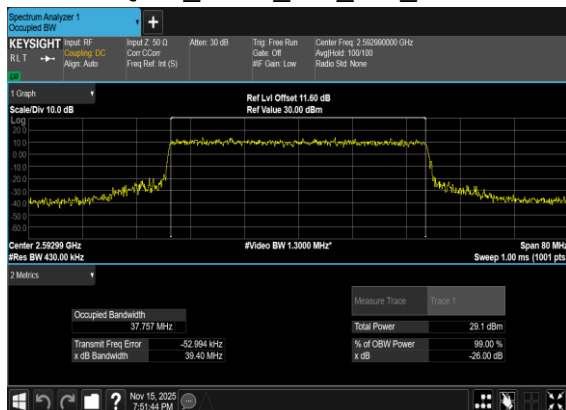
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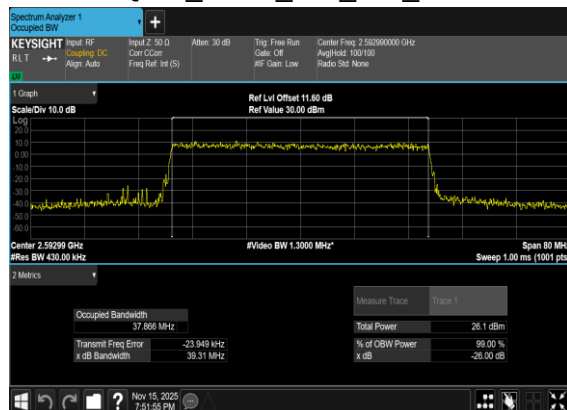
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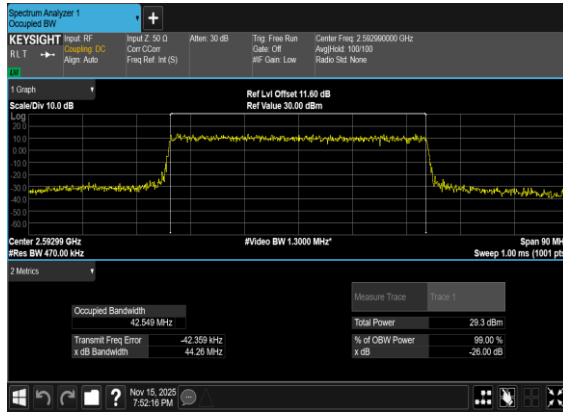


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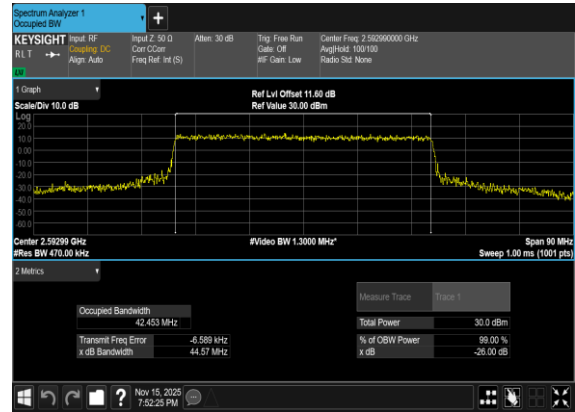




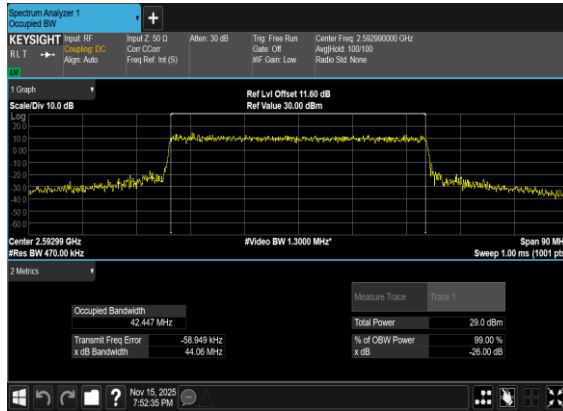
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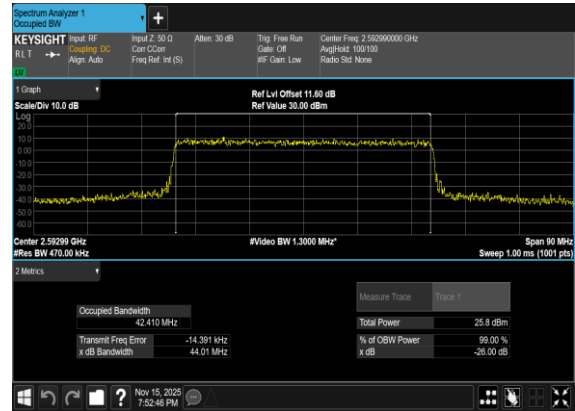
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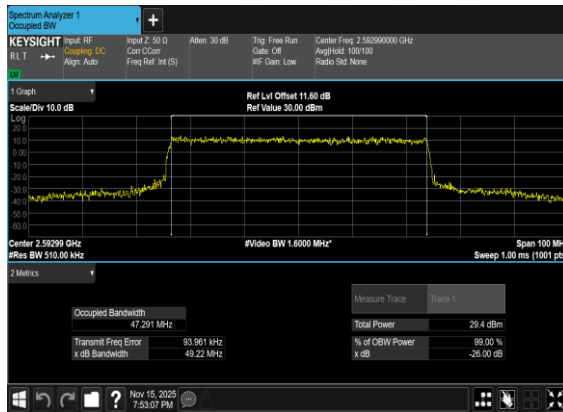


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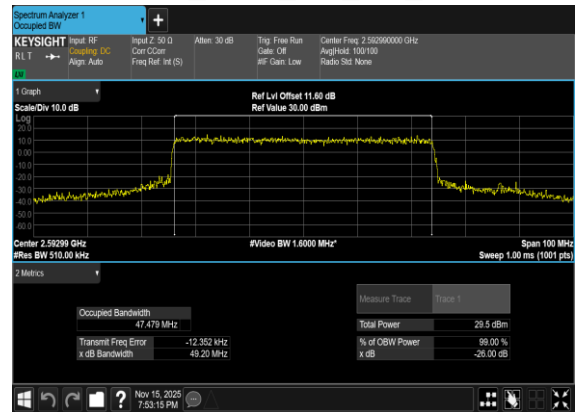




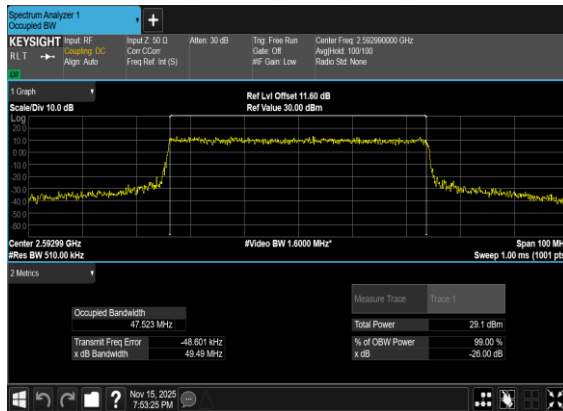
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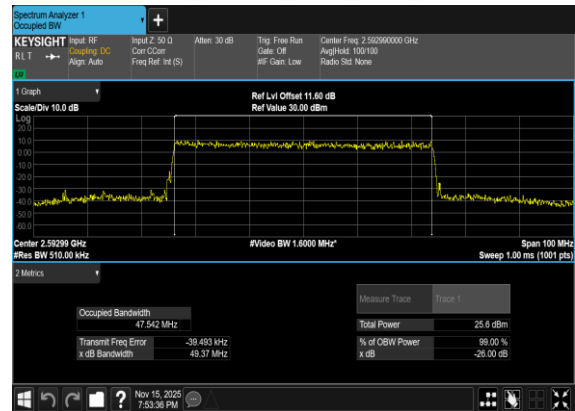
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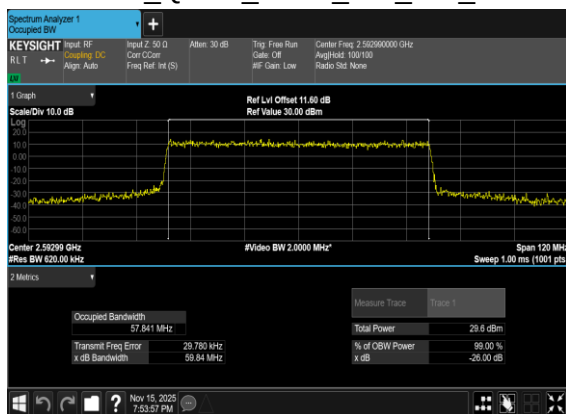


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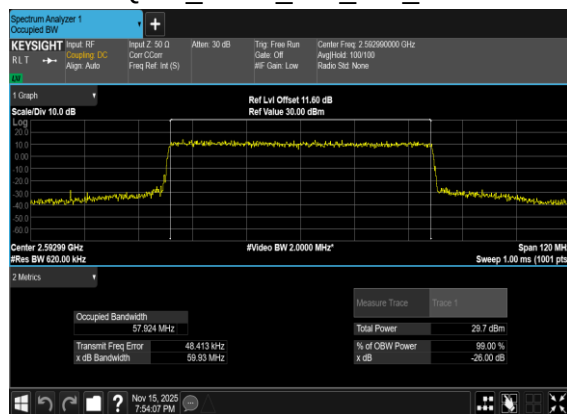




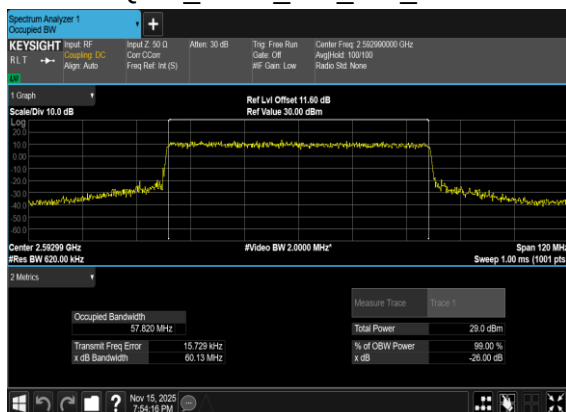
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QAM_Outer_Full_Mid_CH



N41(60M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N41(60M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

