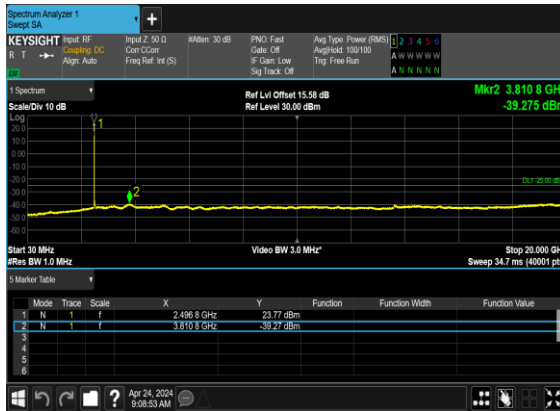
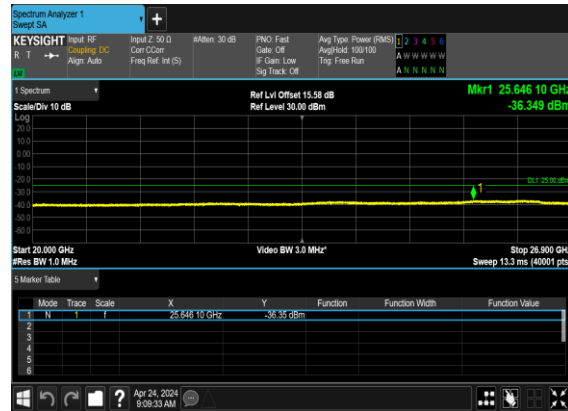


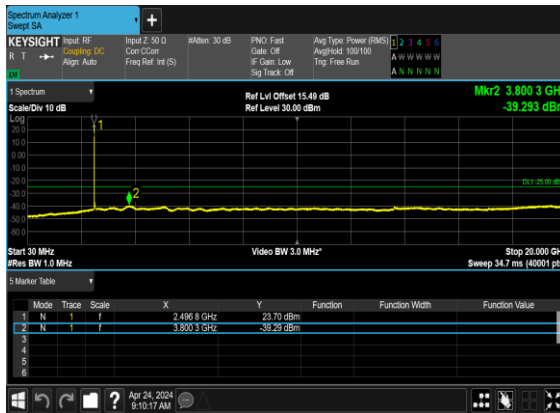
N41(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



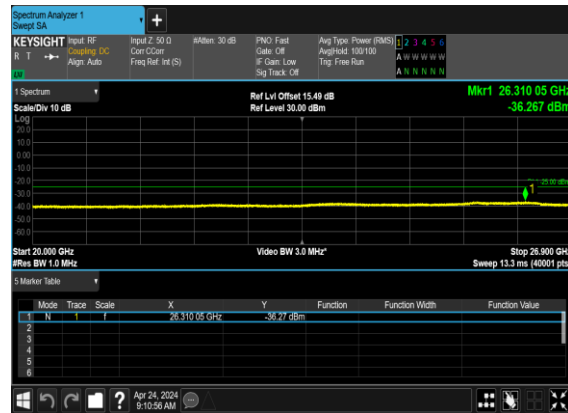
N41(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



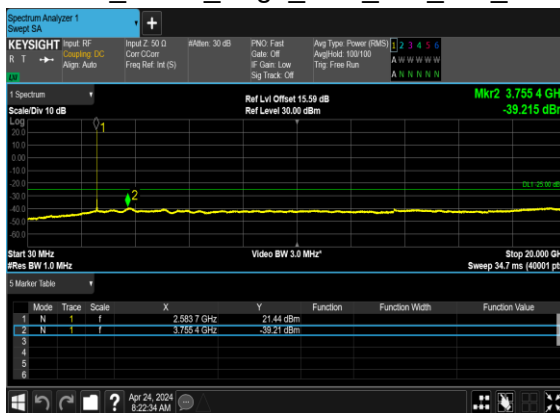
N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



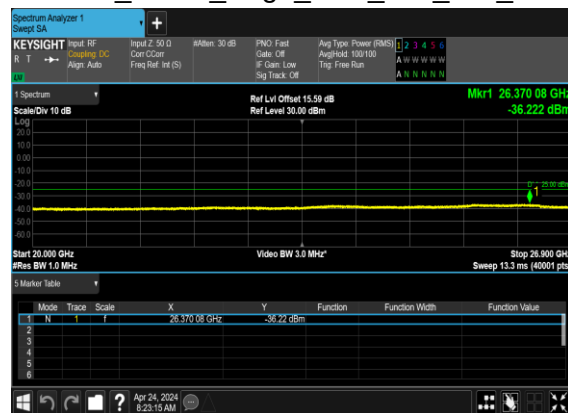
N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



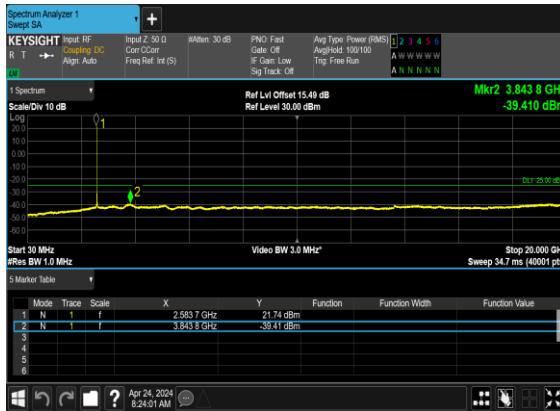
N41(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



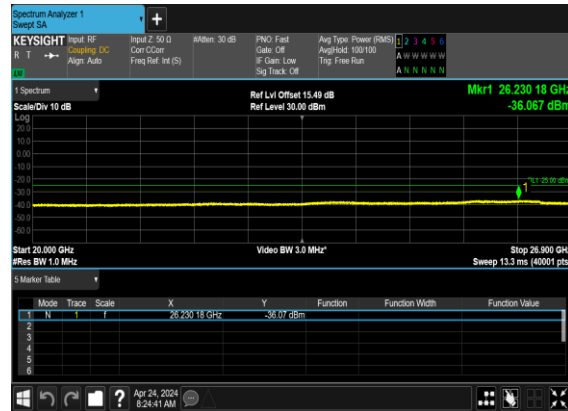
N41(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



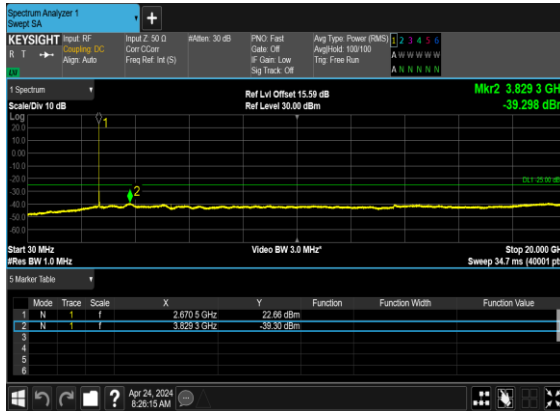
N41(20M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Mid_CH



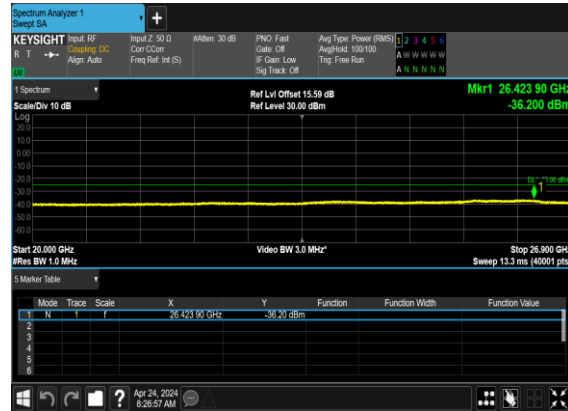
N41(20M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Mid_CH



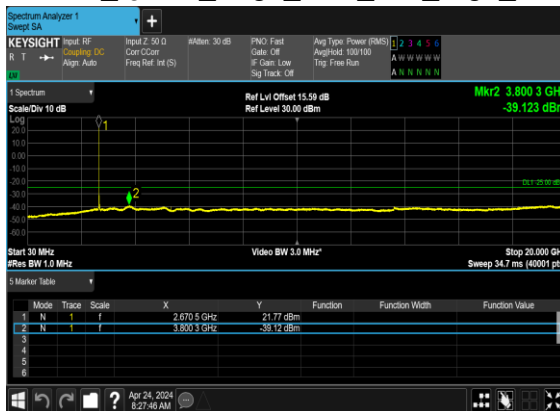
N41(20M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_High_CH



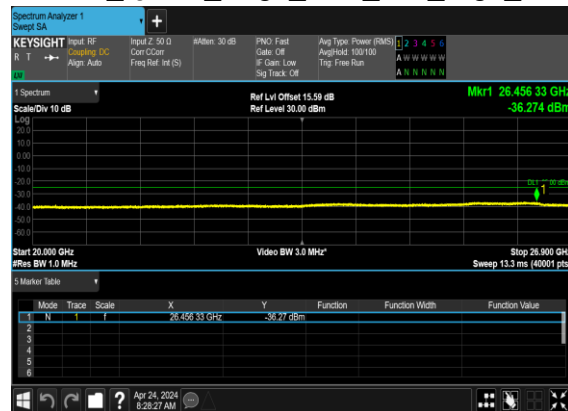
N41(20M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_High_CH



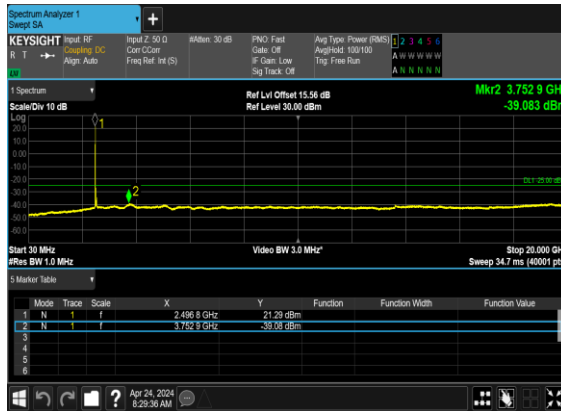
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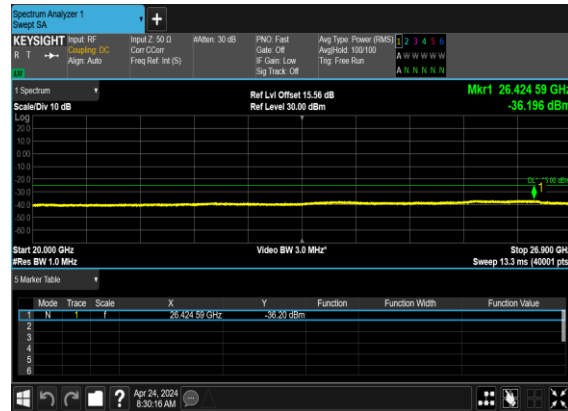
N41(20M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_High_CH



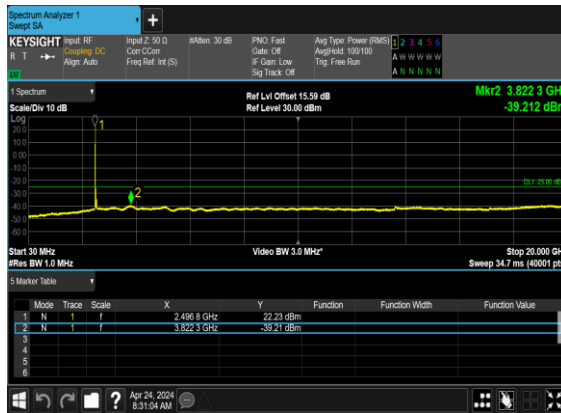
N41(50M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH



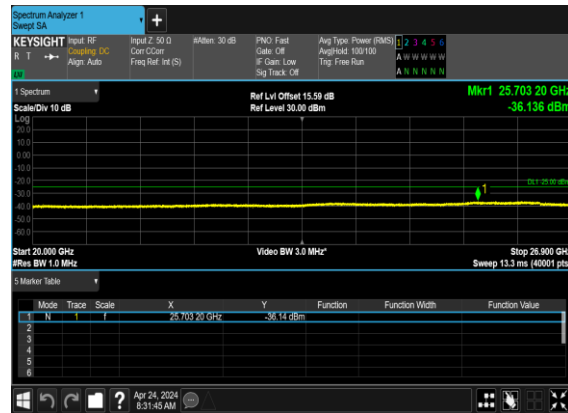
N41(50M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH



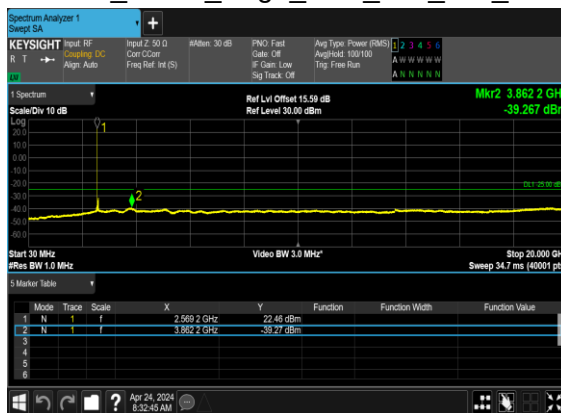
N41(50M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH



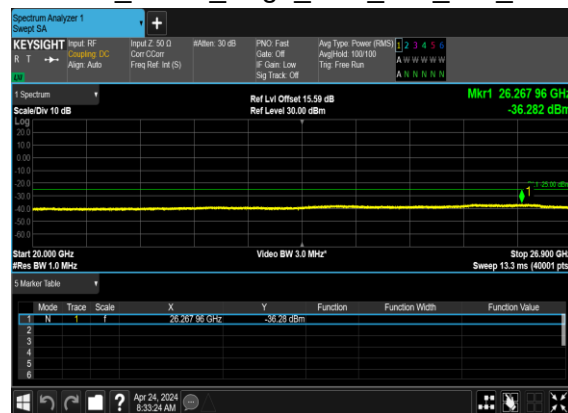
N41(50M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH



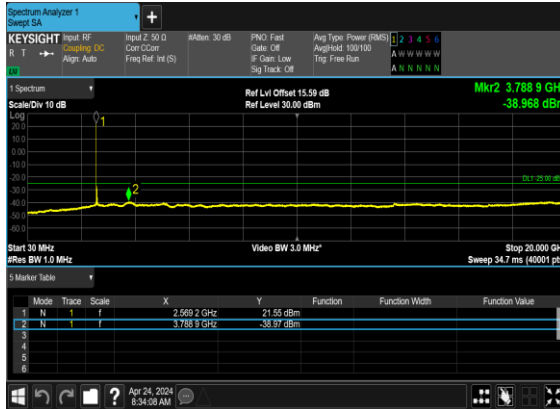
N41(50M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Mid_CH



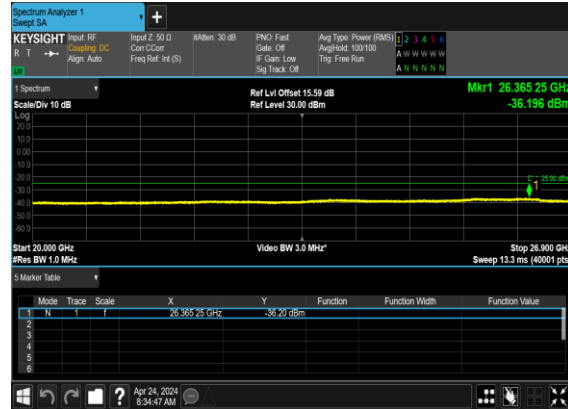
N41(50M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Mid_CH



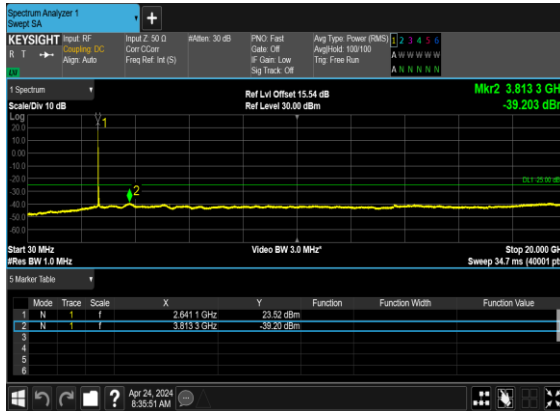
N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



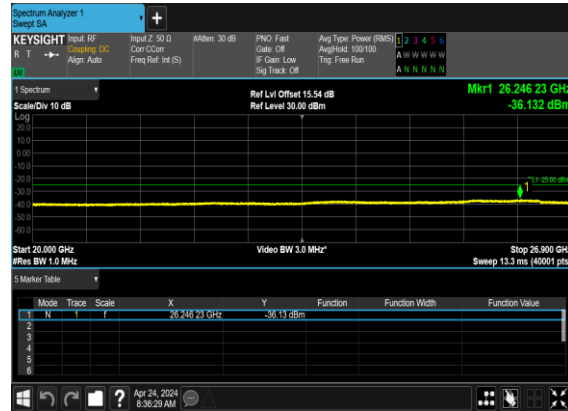
N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



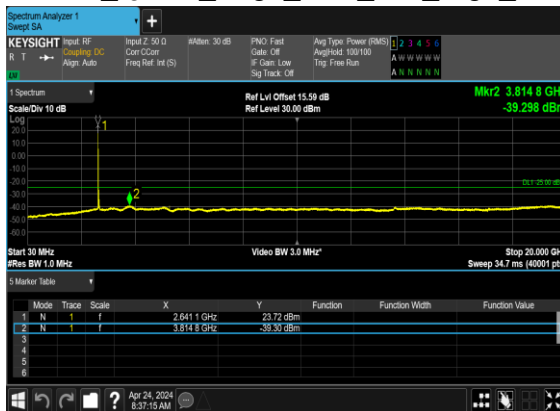
N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



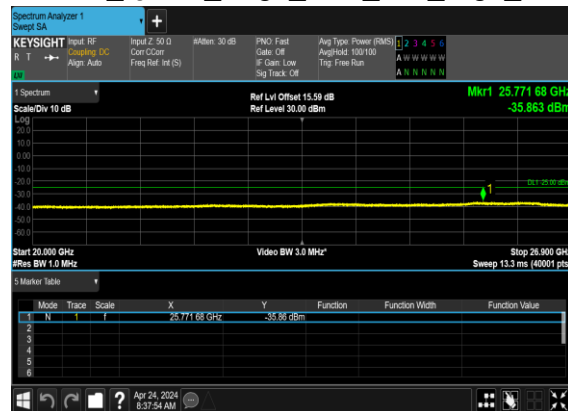
N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



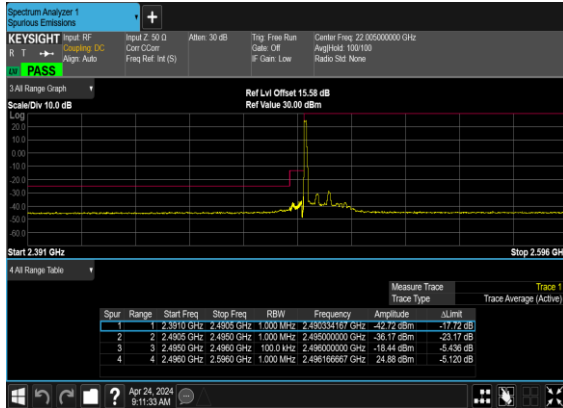
N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



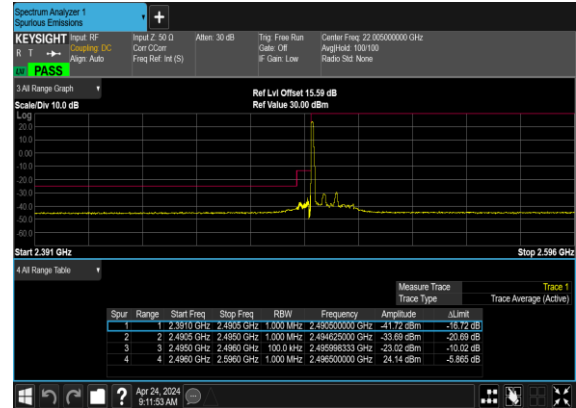
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	15	10	500202	2501.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	15	10	500202	2501.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	15	10	500202	2501.01	DFT-s-OFDM BPSK	50@0	see graph	PASS
41	15	10	500202	2501.01	DFT-s-OFDM QPSK	50@0	see graph	PASS
41	15	10	537000	2685.0	DFT-s-OFDM BPSK	1@51	see graph	PASS
41	15	10	537000	2685.0	DFT-s-OFDM QPSK	1@51	see graph	PASS
41	15	10	537000	2685.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
41	15	10	537000	2685.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
41	15	20	501201	2506.005	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	15	20	501201	2506.005	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	15	20	501201	2506.005	DFT-s-OFDM BPSK	100@0	see graph	PASS
41	15	20	501201	2506.005	DFT-s-OFDM QPSK	100@0	see graph	PASS
41	15	20	535998	2679.99	DFT-s-OFDM BPSK	1@105	see graph	PASS
41	15	20	535998	2679.99	DFT-s-OFDM QPSK	1@105	see graph	PASS
41	15	20	535998	2679.99	DFT-s-OFDM BPSK	100@0	see graph	PASS
41	15	20	535998	2679.99	DFT-s-OFDM QPSK	100@0	see graph	PASS
41	15	50	504201	2521.005	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	15	50	504201	2521.005	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	15	50	504201	2521.005	DFT-s-OFDM BPSK	270@0	see graph	PASS
41	15	50	504201	2521.005	DFT-s-OFDM QPSK	270@0	see graph	PASS
41	15	50	532998	2664.99	DFT-s-OFDM BPSK	1@269	see graph	PASS
41	15	50	532998	2664.99	DFT-s-OFDM QPSK	1@269	see graph	PASS
41	15	50	532998	2664.99	DFT-s-OFDM BPSK	270@0	see graph	PASS
41	15	50	532998	2664.99	DFT-s-OFDM QPSK	270@0	see graph	PASS

N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



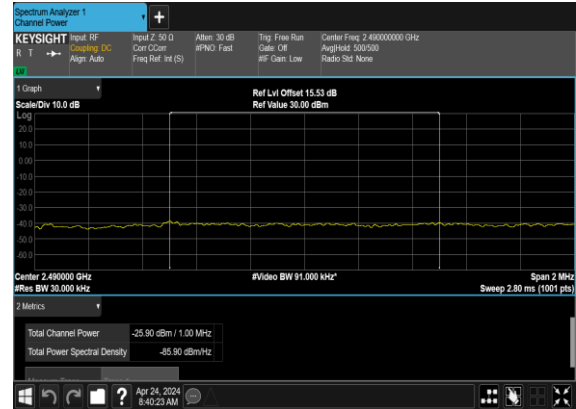
N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



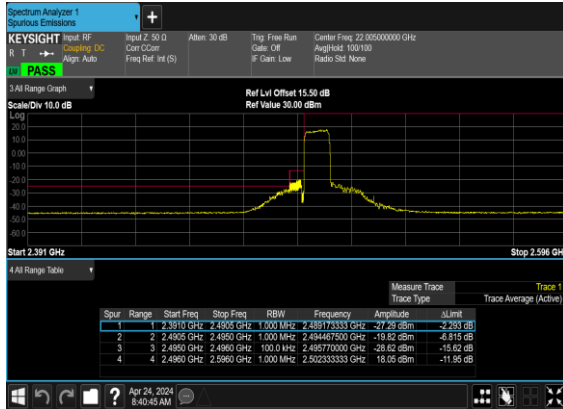
N41(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



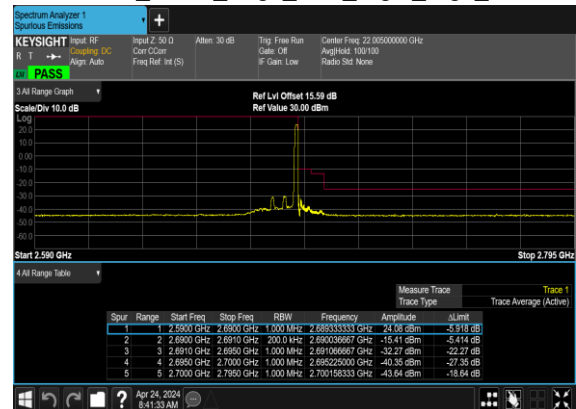
N41(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH_CHP_PASS



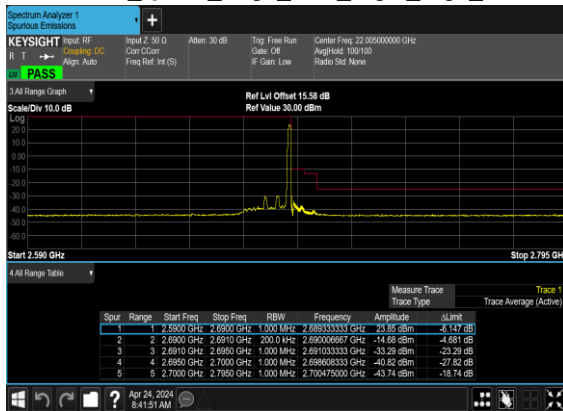
N41(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



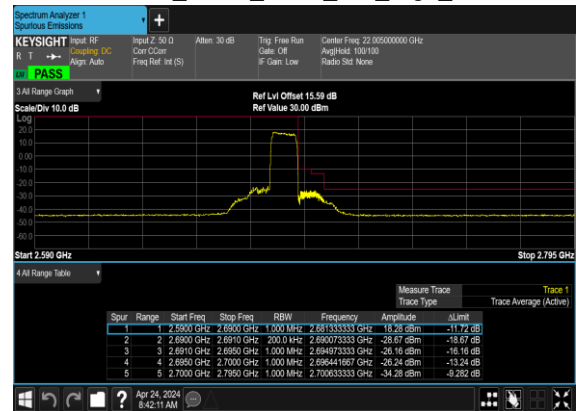
N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



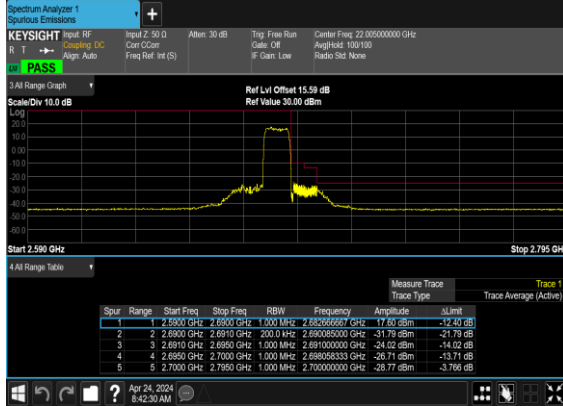
N41(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



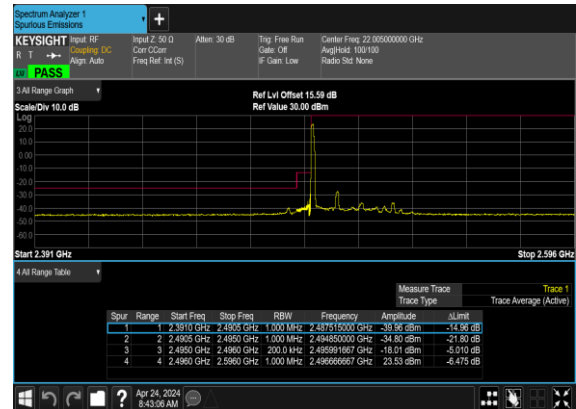
N41(10M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



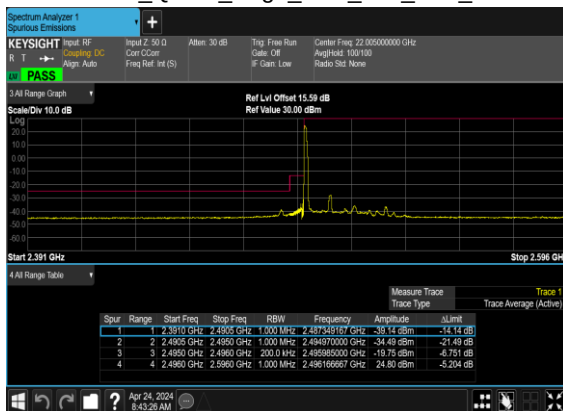
N41(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



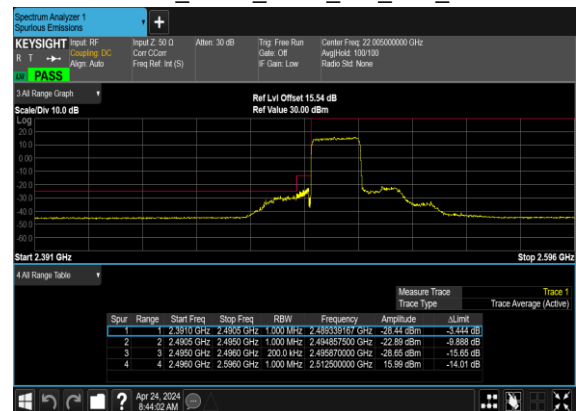
N41(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N41(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N41(20M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



Spectrum Analyzer 1
Spurious Emissions

KEYSIGHT Input: RF Input: DC
R T → Auto Auto
OK PASS

Input 2: 50.0 Input 3: 50.0
Corr: C000 Freq Ref: 0.0 (S)

Att: 30.0 dB Top: Free Run Gate: Off IF: Span: Low Center Freq: 22.00000000 GHz Avg: Hold: 100/100 Radio Set: None

3 All Range Graph
Scale/Div: 10.0 dB
Log
20
10
0
-10
-20
-30
-40
-50
-60

Ref Lvl Offset: 15.59 dB
Ref Value: 30.00 dBm

Start: 2.391 GHz Stop: 2.596 GHz

4 All Range Table

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	A Limit
1		2.3910 GHz	2.4905 GHz	1.000 MHz	2.45492167 GHz	-26.95 dBm	-1.253 dB
2		2.4905 GHz	2.4905 GHz	1.000 MHz	2.491047500 GHz	-22.55 dBm	-9.549 dB
3		2.4905 GHz	2.4905 GHz	200.0 kHz	2.490580000 GHz	-20.17 dBm	-16.17 dB
4		2.4905 GHz	2.5960 GHz	1.000 MHz	2.513833333 GHz	-14.89 dBm	-15.11 dB

Measuring Trace Type Trace Average (Active)

The screenshot displays the Keysight Spectrum Analyzer interface. The top panel shows the input signal as 'RF' and the output as 'Analog DC'. The center frequency is set to 22,000,000,000 Hz (22 GHz). The span is 2.500 GHz, and the resolution bandwidth (RBW) is 1,000 MHz. The signal is centered at 2.795 GHz. The bottom panel shows a table of signal components.

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	dBm
1	2.5900 GHz	2.6900 GHz	1,000 MHz	2.693333333 GHz	-7.76 dBm	-7.76 dBm	
2	2.6900 GHz	2.6910 GHz	430 MHz	2.690150000 GHz	-10.76 dBm	-10.76 dBm	
3	2.6910 GHz	2.6950 GHz	1,000 MHz	2.691120667 GHz	-24.15 dBm	-24.15 dBm	
4	2.6950 GHz	2.7100 GHz	1,000 MHz	2.698000000 GHz	-30.21 dBm	-30.21 dBm	
5	2.7100 GHz	2.7950 GHz	1,000 MHz	2.718283333 GHz	-44.15 dBm	-44.15 dBm	

Spectrum Analyzer I
Spurious Emissions

KEYSIGHT Input RF
T R → Channeling DC
Align Auto

Input Z 50 Ω
Cen Corr
Freq Ref (Hz)

Atten: 30 dB

Trig: Free Run
Gain Off
IF Gain Low

Center Freq: 22.00000000 GHz
Avg/Hold: None
Radio Std: None

PASS

1 All Range Graph

Scale Div 10.0 dB

Ref Lvl Offset 15.50 dB
Ref Value 30.00 dBm

Start 2.590 GHz Stop 2.795 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	A Level
1	2	2.5900 GHz	2.6900 GHz	1.000 MHz	2.69000000 GHz	-23.98 dBm	-2.023 dB
2	2	2.6800 GHz	2.6910 GHz	430.0 kHz	2.69000667 GHz	-12.59 dBm	-2.595 dB
3	3	2.6810 GHz	2.6950 GHz	1.000 MHz	2.69103333 GHz	-37.14 dBm	-27.14 dB
4	4	2.6950 GHz	2.7100 GHz	1.000 MHz	2.69820000 GHz	-38.87 dBm	-28.87 dB
5	5	2.7100 GHz	2.7950 GHz	1.000 MHz	2.71099167 GHz	-44.39 dBm	-19.39 dB

Trace Type Measure Trace
Trace Average (Active)

Apr 24, 2024 8:46:32 AM

Spectrum Analyzer 1
Spurious Emissions

KEYSIGHT Input RF
R 1 → Coupling DC
Aggr: Auto

IntZ 2, 50.0
Corr: CCR
Freq Ref: Int (S)

Atten: 30.0 dB

Trig: Free Run
Gate: Off
IF Gain: Low

Center Freq: 22.05000000 GHz
AgiHd: 100/100
Ratio Std: None

ON PASS

3.48 Range Graph

Scale/Dn 10.0 dB

Ref Lvl Offset: 15.59 dB
Ref Value: 30.00 dBm

Start 2.590 GHz

Stop 2.795 GHz

4.4M Range Table

Measure Trace
Trace Type Trace Average (Active)

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	dBm
1	2	2.59000 GHz	2.69000 GHz	1.000 MHz	2.679166667 GHz	-15.94 dBm	-15.94 dB
2	2	2.69000 GHz	2.69100 GHz	430.0 kHz	2.690126667 GHz	-29.84 dBm	-19.94 dB
3	3	2.69100 GHz	2.69500 GHz	1.000 MHz	2.694740000 GHz	-28.11 dBm	-18.11 dB
4	2	2.69500 GHz	2.71000 GHz	1.000 MHz	2.702140000 GHz	-28.01 dBm	-15.01 dB
5	5	2.71000 GHz	2.79500 GHz	1.000 MHz	2.710420000 GHz	-36.75 dBm	-11.75 dB

Apr 24, 2024
8:46:56 AM

Spectrum Analyzer 1
Source: Emulation

KEYSIGHT Input RF
R T → Display DC
Align: Auto

IN PASS

3 All Range Graph

Scale/Div 10.0 dB

Log

Ref Lvl Offset 15.49 dB
Ref Value 30.00 dBm

Start 2.590 GHz
Stop 2.795 GHz

4 All Range Table

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
							Trace Type
							Trace Average (Active)
1	2	2.5900 GHz	2.6900 GHz	1.000 MHz	2.611166666 GHz	-14.55 dBm	-15.55 dB
2	2	2.6800 GHz	2.6910 GHz	430.0 MHz	2.690615000 GHz	-20.10 dBm	-19.10 dB
3	3	2.6910 GHz	2.6950 GHz	1.000 MHz	2.693726667 GHz	-26.23 dBm	-16.23 dB
4	4	2.6950 GHz	2.7100 GHz	1.000 MHz	2.699220000 GHz	-26.69 dBm	-12.69 dB
5	5	2.7100 GHz	2.7950 GHz	1.000 MHz	2.710141667 GHz	-32.53 dBm	-7.53 dB

Apr 24, 2004
8:47:19 AM

Spectrum Analyzer 1
Spurious Emissions

KEYSIGHT Input RF: 2.500 GHz
R: 1 → Config: LC
A: Auto
Pass

Input: 2.500 GHz
Corr: Corr
Freq Ref: Int (S)

Att: 30 dB

Trig: Free Run
IF: Gain: Low

Center Freq: 2.50000000 GHz
Span: 10.000000
Radio Set: None

3.44 Range Graph
Scale: Div 10.0 dB

Ref Lvl Offset: 15.00 dB
Ref Value: 30.00 dBm

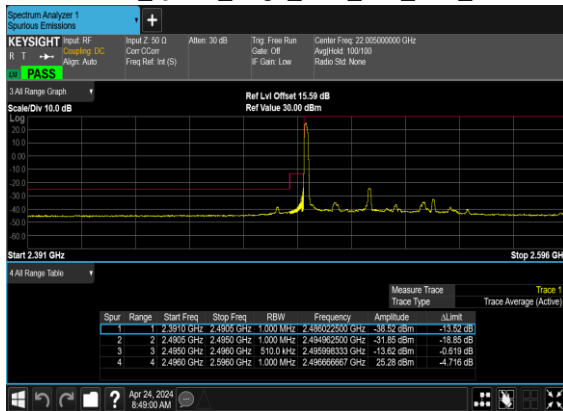
Start: 2.490 GHz
Stop: 2.500 GHz

4.00 Range Table

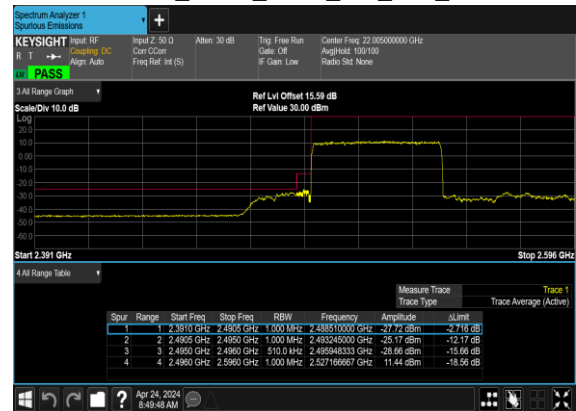
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Unit
1	2.4950 GHz	2.4950 GHz	1.000 MHz	2.495103333 GHz	-30.34 dBm	-14.84 dB	
2	2.4950 GHz	2.4950 GHz	1.000 MHz	2.494940000 GHz	-34.48 dBm	-21.46 dB	
3	2.4950 GHz	2.4950 GHz	50.0 MHz	2.496000000 GHz	-17.13 dBm	-4.130 dB	
4	2.4950 GHz	2.5950 GHz	1.000 MHz	2.495000000 GHz	24.04 dBm	-5.998 dB	

Measure Trace
Trace Type
Trace Average (Active)

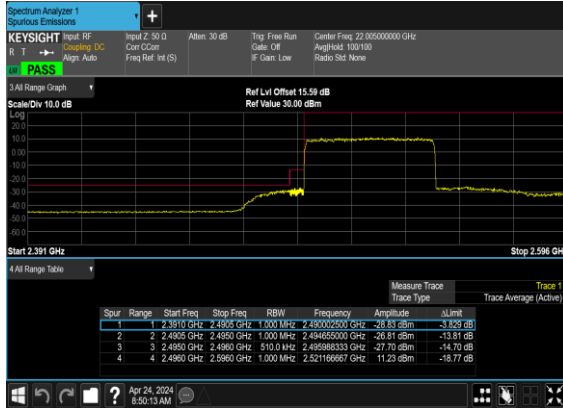
N41(50M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH



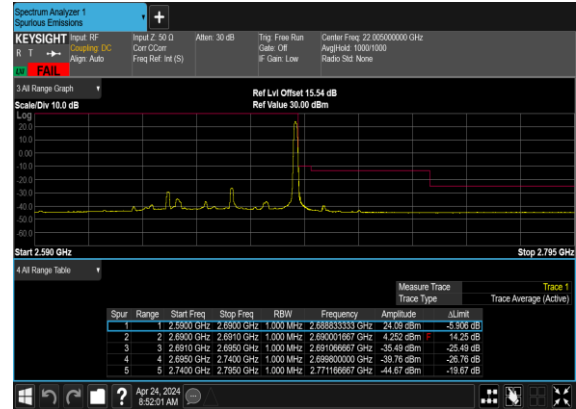
N41(50M)_DFT-s- OFDM_BPSK_Outer_Full_Low_CH



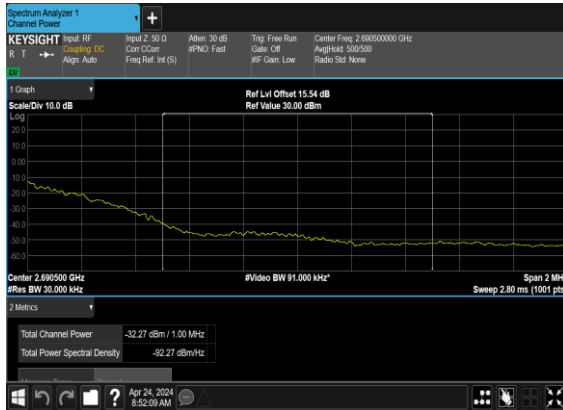
N41(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



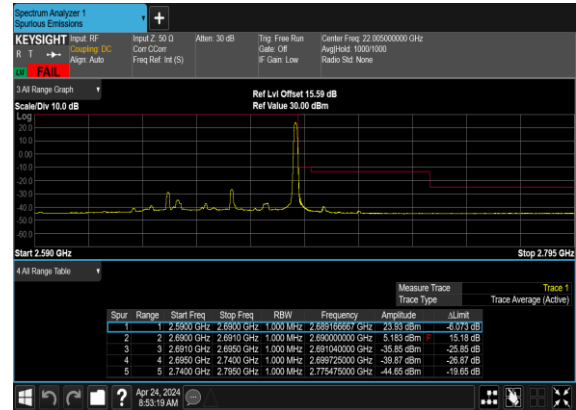
N41(50M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_High_CH



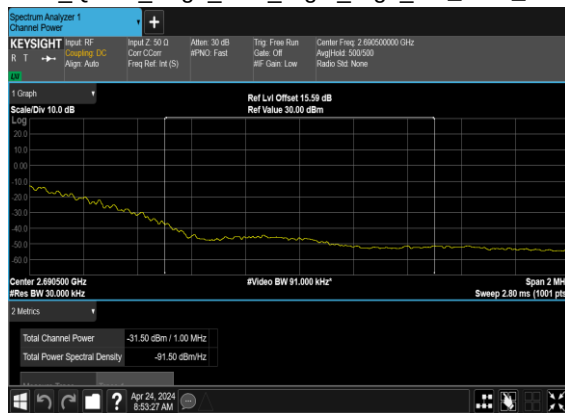
N41(50M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_High_CH_CHP_PASS



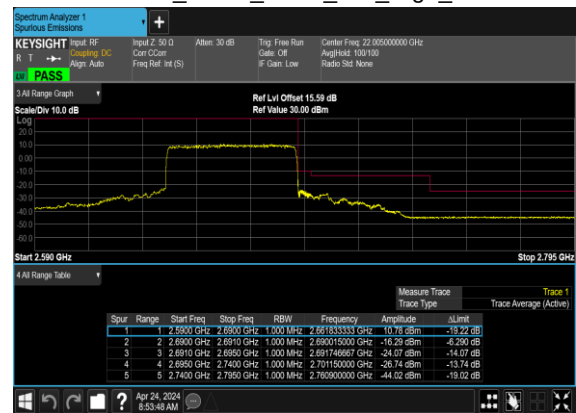
N41(50M)_DFT-s- OFDM_QPSK_Edge_1RB_Right_High_CH



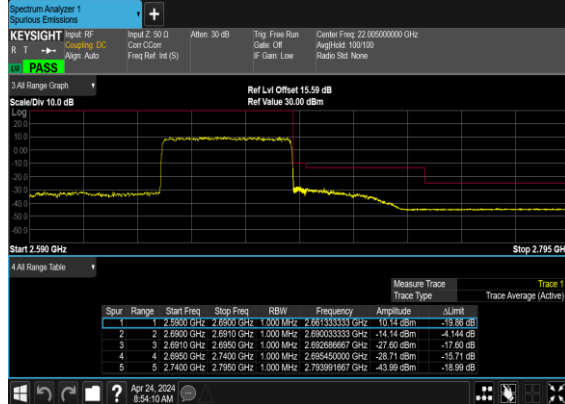
N41(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_PASS



N41(50M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



N41(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Note: "CHP" means channel power integrated method.

FR1 N41(Ant3)-30K

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)=-0.6dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	1@1	25.85	25.25	0.3350
41	30	10	500202	2501.01	DFT-s-OFDM 16 QAM	1@1	24.69	24.09	0.2564
41	30	10	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.5	24.9	0.3090
41	30	10	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.31	23.71	0.2350
41	30	10	537000	2685	DFT-s-OFDM QPSK	1@1	25.15	24.55	0.2851
41	30	10	537000	2685	DFT-s-OFDM 16 QAM	1@1	24.09	23.49	0.2234
41	30	15	500700	2503.5	DFT-s-OFDM QPSK	1@1	25.86	25.26	0.3357
41	30	15	500700	2503.5	DFT-s-OFDM 16 QAM	1@1	24.75	24.15	0.2600
41	30	15	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.43	24.83	0.3041
41	30	15	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.29	23.69	0.2339
41	30	15	536496	2682.48	DFT-s-OFDM QPSK	1@1	25.07	24.47	0.2799
41	30	15	536496	2682.48	DFT-s-OFDM 16 QAM	1@1	23.88	23.28	0.2128
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	1@1	25.87	25.27	0.3365
41	30	20	501204	2506.02	DFT-s-OFDM 16 QAM	1@1	24.76	24.16	0.2606
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.54	24.94	0.3119
41	30	20	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.34	23.74	0.2366
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	1@1	25.11	24.51	0.2825
41	30	20	535998	2679.99	DFT-s-OFDM 16 QAM	1@1	24.01	23.41	0.2193
41	30	30	502200	2511	DFT-s-OFDM QPSK	1@1	25.87	25.27	0.3365
41	30	30	502200	2511	DFT-s-OFDM 16 QAM	1@1	24.74	24.14	0.2594
41	30	30	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.59	24.99	0.3155
41	30	30	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.46	23.86	0.2432
41	30	30	534996	2674.98	DFT-s-OFDM QPSK	1@1	24.97	24.37	0.2735
41	30	30	534996	2674.98	DFT-s-OFDM 16 QAM	1@1	23.83	23.23	0.2104
41	30	40	503202	2516.01	DFT-s-OFDM QPSK	1@1	25.93	25.33	0.3412
41	30	40	503202	2516.01	DFT-s-OFDM 16 QAM	1@1	24.8	24.2	0.2630
41	30	40	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.56	24.96	0.3133
41	30	40	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.49	23.89	0.2449
41	30	40	534000	2670	DFT-s-OFDM QPSK	1@1	25.05	24.45	0.2786
41	30	40	534000	2670	DFT-s-OFDM 16 QAM	1@1	23.89	23.29	0.2133
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	1@1	25.84	25.24	0.3342
41	30	50	504204	2521.02	DFT-s-OFDM 16 QAM	1@1	24.74	24.14	0.2594
41	30	50	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.58	24.98	0.3148
41	30	50	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.38	23.78	0.2388
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	1@1	25.08	24.48	0.2805
41	30	50	532998	2664.99	DFT-s-OFDM 16 QAM	1@1	23.92	23.32	0.2148
41	30	60	505200	2526	DFT-s-OFDM QPSK	1@1	25.85	25.25	0.3350

41	30	60	505200	2526	DFT-s-OFDM 16 QAM	1@1	24.75	24.15	0.2600
41	30	60	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.55	24.95	0.3126
41	30	60	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.39	23.79	0.2393
41	30	60	531996	2659.98	DFT-s-OFDM QPSK	1@1	25.16	24.56	0.2858
41	30	60	531996	2659.98	DFT-s-OFDM 16 QAM	1@1	24.06	23.46	0.2218
41	30	80	507204	2536.02	DFT-s-OFDM QPSK	1@1	25.77	25.17	0.3289
41	30	80	507204	2536.02	DFT-s-OFDM 16 QAM	1@1	24.8	24.2	0.2630
41	30	80	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.5	24.9	0.3090
41	30	80	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.58	23.98	0.2500
41	30	80	529998	2649.99	DFT-s-OFDM QPSK	1@1	25.27	24.67	0.2931
41	30	80	529998	2649.99	DFT-s-OFDM 16 QAM	1@1	24.27	23.67	0.2328
41	30	90	508200	2541	DFT-s-OFDM QPSK	1@1	25.82	25.22	0.3327
41	30	90	508200	2541	DFT-s-OFDM 16 QAM	1@1	24.8	24.2	0.2630
41	30	90	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.54	24.94	0.3119
41	30	90	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.56	23.96	0.2489
41	30	90	528996	2644.98	DFT-s-OFDM QPSK	1@1	25.05	24.45	0.2786
41	30	90	528996	2644.98	DFT-s-OFDM 16 QAM	1@1	24.25	23.65	0.2317
41	30	100	509202	2546.01	DFT-s-OFDM PI/2 BPSK	135@67	25.73	25.13	0.3258
41	30	100	509202	2546.01	DFT-s-OFDM PI/2 BPSK	1@1	25.9	25.3	0.3388
41	30	100	509202	2546.01	DFT-s-OFDM PI/2 BPSK	1@271	25.43	24.83	0.3041
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	135@67	25.78	25.18	0.3296
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@1	26	25.4	0.3467
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@271	25.55	24.95	0.3126
41	30	100	509202	2546.01	DFT-s-OFDM 16 QAM	135@67	24.82	24.22	0.2642
41	30	100	509202	2546.01	DFT-s-OFDM 16 QAM	1@1	24.8	24.2	0.2630
41	30	100	509202	2546.01	DFT-s-OFDM 16 QAM	1@271	24.38	23.78	0.2388
41	30	100	509202	2546.01	DFT-s-OFDM 64 QAM	135@67	23.5	22.9	0.1950
41	30	100	509202	2546.01	DFT-s-OFDM 64 QAM	1@1	23.71	23.11	0.2046
41	30	100	509202	2546.01	DFT-s-OFDM 64 QAM	1@271	23.13	22.53	0.1791
41	30	100	509202	2546.01	DFT-s-OFDM 256 QAM	135@67	21.53	20.93	0.1239
41	30	100	509202	2546.01	DFT-s-OFDM 256 QAM	1@1	21.57	20.97	0.1250
41	30	100	509202	2546.01	DFT-s-OFDM 256 QAM	1@271	21	20.4	0.1096
41	30	100	509202	2546.01	CP-OFDM QPSK	137@68	24.51	23.91	0.2460
41	30	100	509202	2546.01	CP-OFDM QPSK	1@1	24.44	23.84	0.2421
41	30	100	509202	2546.01	CP-OFDM QPSK	1@271	23.99	23.39	0.2183
41	30	100	518598	2592.99	DFT-s-OFDM PI/2 BPSK	135@67	25.52	24.92	0.3105
41	30	100	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@1	25.68	25.08	0.3221
41	30	100	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@271	25.41	24.81	0.3027
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	135@67	25.56	24.96	0.3133
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.52	24.92	0.3105
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@271	25.35	24.75	0.2985
41	30	100	518598	2592.99	DFT-s-OFDM 16 QAM	135@67	24.62	24.02	0.2523
41	30	100	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.59	23.99	0.2506
41	30	100	518598	2592.99	DFT-s-OFDM 16 QAM	1@271	24.38	23.78	0.2388

41	30	100	518598	2592.99	DFT-s-OFDM 64 QAM	135@67	23.21	22.61	0.1824
41	30	100	518598	2592.99	DFT-s-OFDM 64 QAM	1@1	23.4	22.8	0.1905
41	30	100	518598	2592.99	DFT-s-OFDM 64 QAM	1@271	23.17	22.57	0.1807
41	30	100	518598	2592.99	DFT-s-OFDM 256 QAM	135@67	21.22	20.62	0.1153
41	30	100	518598	2592.99	DFT-s-OFDM 256 QAM	1@1	21.36	20.76	0.1191
41	30	100	518598	2592.99	DFT-s-OFDM 256 QAM	1@271	21.07	20.47	0.1114
41	30	100	518598	2592.99	CP-OFDM QPSK	137@68	24.23	23.63	0.2307
41	30	100	518598	2592.99	CP-OFDM QPSK	1@1	24.31	23.71	0.2350
41	30	100	518598	2592.99	CP-OFDM QPSK	1@271	24.21	23.61	0.2296
41	30	100	528000	2640	DFT-s-OFDM PI/2 BPSK	135@67	25.23	24.63	0.2904
41	30	100	528000	2640	DFT-s-OFDM PI/2 BPSK	1@1	25.28	24.68	0.2938
41	30	100	528000	2640	DFT-s-OFDM PI/2 BPSK	1@271	25.4	24.8	0.3020
41	30	100	528000	2640	DFT-s-OFDM QPSK	135@67	25.27	24.67	0.2931
41	30	100	528000	2640	DFT-s-OFDM QPSK	1@1	25.29	24.69	0.2944
41	30	100	528000	2640	DFT-s-OFDM QPSK	1@271	25.32	24.72	0.2965
41	30	100	528000	2640	DFT-s-OFDM 16 QAM	135@67	24.3	23.7	0.2344
41	30	100	528000	2640	DFT-s-OFDM 16 QAM	1@1	24.26	23.66	0.2323
41	30	100	528000	2640	DFT-s-OFDM 16 QAM	1@271	24.34	23.74	0.2366
41	30	100	528000	2640	DFT-s-OFDM 64 QAM	135@67	23.01	22.41	0.1742
41	30	100	528000	2640	DFT-s-OFDM 64 QAM	1@1	22.89	22.29	0.1694
41	30	100	528000	2640	DFT-s-OFDM 64 QAM	1@271	23.11	22.51	0.1782
41	30	100	528000	2640	DFT-s-OFDM 256 QAM	135@67	21.02	20.42	0.1102
41	30	100	528000	2640	DFT-s-OFDM 256 QAM	1@1	20.79	20.19	0.1045
41	30	100	528000	2640	DFT-s-OFDM 256 QAM	1@271	21.02	20.42	0.1102
41	30	100	528000	2640	CP-OFDM QPSK	137@68	24.07	23.47	0.2223
41	30	100	528000	2640	CP-OFDM QPSK	1@1	23.8	23.2	0.2089
41	30	100	528000	2640	CP-OFDM QPSK	1@271	24.15	23.55	0.2265

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0031	PASS	NV
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0021	PASS	LV
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0048	PASS	HV
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0042	PASS	-30°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0052	PASS	-20°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0051	PASS	-10°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0058	PASS	0°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0069	PASS	10°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0031	PASS	20°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0035	PASS	30°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0033	PASS	40°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0040	PASS	50°C

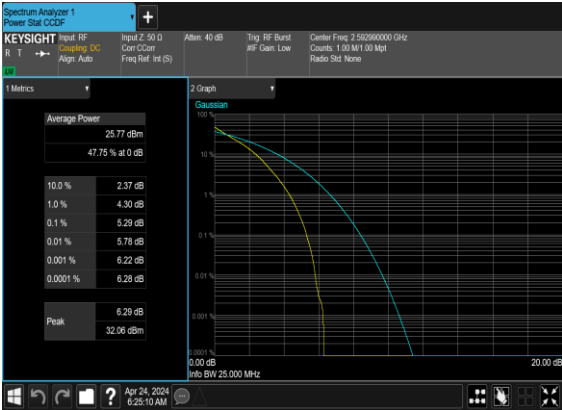
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
41	30	20	518598	2592.99	DFT-s-OFDM PI/2 BPSK	50@0	4.24	13	PASS
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	5.29	13	PASS

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



N41(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

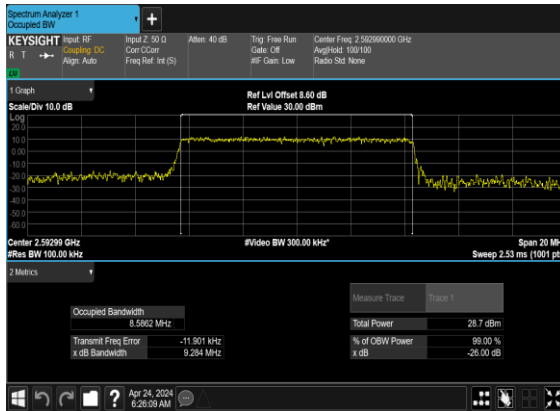


Occupied Bandwidth

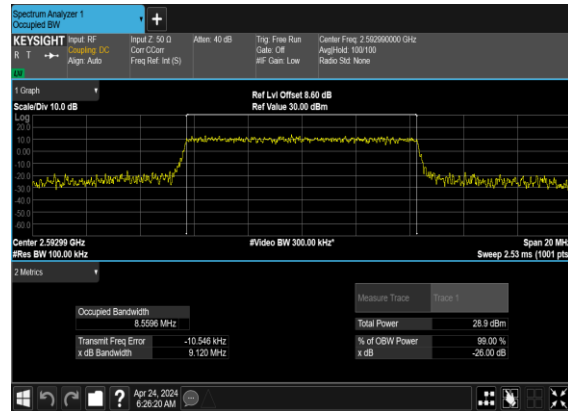
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
41	30	10	518598	2592.99	CP-OFDM QPSK	24@0	8.5862	9.284
41	30	10	518598	2592.99	CP-OFDM 16 QAM	24@0	8.5596	9.12
41	30	10	518598	2592.99	CP-OFDM 64 QAM	24@0	8.5535	9.207
41	30	10	518598	2592.99	CP-OFDM 256 QAM	24@0	8.5426	9.057
41	30	15	518598	2592.99	CP-OFDM QPSK	38@0	13.571	14.27
41	30	15	518598	2592.99	CP-OFDM 16 QAM	38@0	13.602	14.22
41	30	15	518598	2592.99	CP-OFDM 64 QAM	38@0	13.53	14.03
41	30	15	518598	2592.99	CP-OFDM 256 QAM	38@0	13.561	14.27
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	18.189	19.08
41	30	20	518598	2592.99	CP-OFDM 16 QAM	51@0	18.195	18.85
41	30	20	518598	2592.99	CP-OFDM 64 QAM	51@0	18.224	18.99
41	30	20	518598	2592.99	CP-OFDM 256 QAM	51@0	18.185	18.98
41	30	30	518598	2592.99	CP-OFDM QPSK	78@0	27.802	29.1
41	30	30	518598	2592.99	CP-OFDM 16 QAM	78@0	27.868	28.89
41	30	30	518598	2592.99	CP-OFDM 64 QAM	78@0	27.852	29.12
41	30	30	518598	2592.99	CP-OFDM 256 QAM	78@0	27.824	29.16
41	30	40	518598	2592.99	CP-OFDM QPSK	106@0	37.859	39.28
41	30	40	518598	2592.99	CP-OFDM 16 QAM	106@0	37.933	39.08
41	30	40	518598	2592.99	CP-OFDM 64 QAM	106@0	37.859	39.34
41	30	40	518598	2592.99	CP-OFDM 256 QAM	106@0	37.848	39.3
41	30	50	518598	2592.99	CP-OFDM QPSK	133@0	47.584	49.05
41	30	50	518598	2592.99	CP-OFDM 16 QAM	133@0	47.497	49.26
41	30	50	518598	2592.99	CP-OFDM 64 QAM	133@0	47.475	49.0
41	30	50	518598	2592.99	CP-OFDM 256 QAM	133@0	47.406	49.05
41	30	60	518598	2592.99	CP-OFDM QPSK	162@0	57.757	60.99

41	30	60	518598	2592.99	CP-OFDM 16 QAM	162@0	57.775	59.67
41	30	60	518598	2592.99	CP-OFDM 64 QAM	162@0	57.724	59.67
41	30	60	518598	2592.99	CP-OFDM 256 QAM	162@0	57.723	59.65
41	30	80	518598	2592.99	CP-OFDM QPSK	217@0	77.562	79.95
41	30	80	518598	2592.99	CP-OFDM 16 QAM	217@0	77.508	79.87
41	30	80	518598	2592.99	CP-OFDM 64 QAM	217@0	77.5	79.88
41	30	80	518598	2592.99	CP-OFDM 256 QAM	217@0	77.526	80.06
41	30	90	518598	2592.99	CP-OFDM QPSK	245@0	87.554	90.41
41	30	90	518598	2592.99	CP-OFDM 16 QAM	245@0	87.569	90.25
41	30	90	518598	2592.99	CP-OFDM 64 QAM	245@0	87.641	90.26
41	30	90	518598	2592.99	CP-OFDM 256 QAM	245@0	87.458	90.21
41	30	100	518598	2592.99	CP-OFDM QPSK	273@0	97.525	100.5
41	30	100	518598	2592.99	CP-OFDM 16 QAM	273@0	97.505	100.5
41	30	100	518598	2592.99	CP-OFDM 64 QAM	273@0	97.461	100.4
41	30	100	518598	2592.99	CP-OFDM 256 QAM	273@0	97.198	100.6

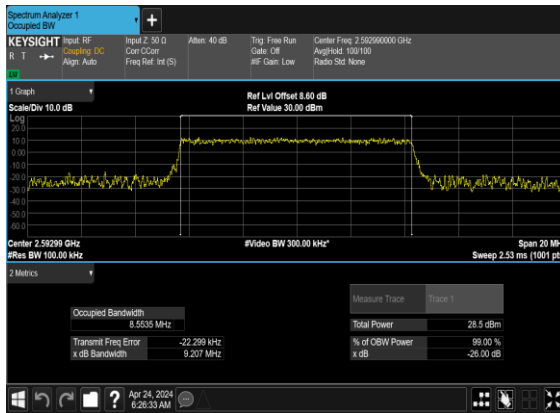
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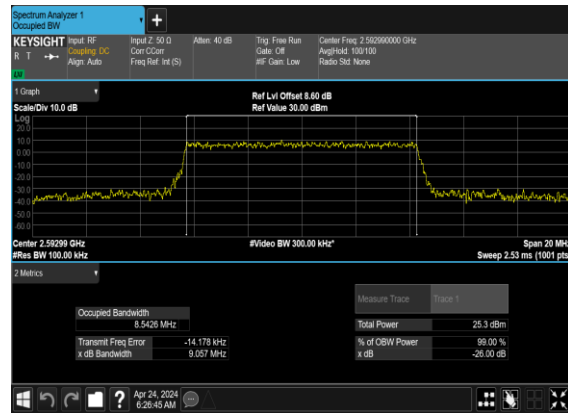
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QAM_Outer_Full_Mid_CH



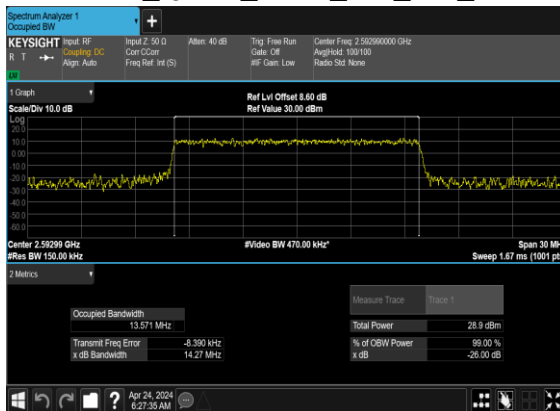
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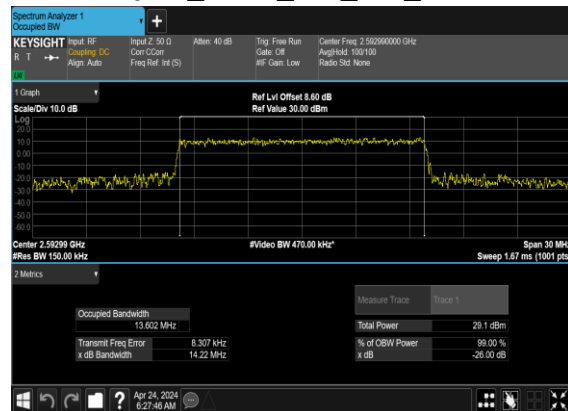
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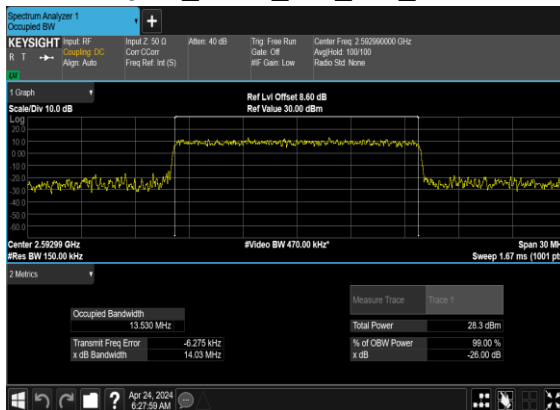
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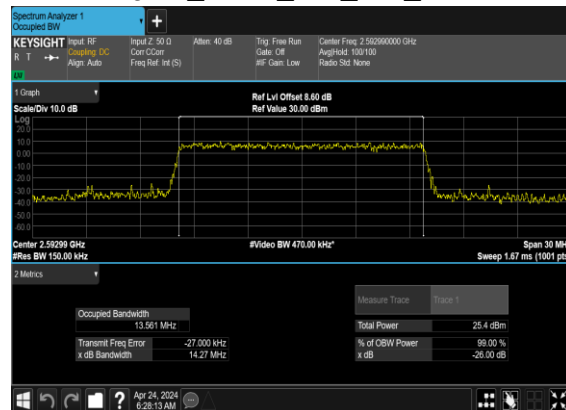
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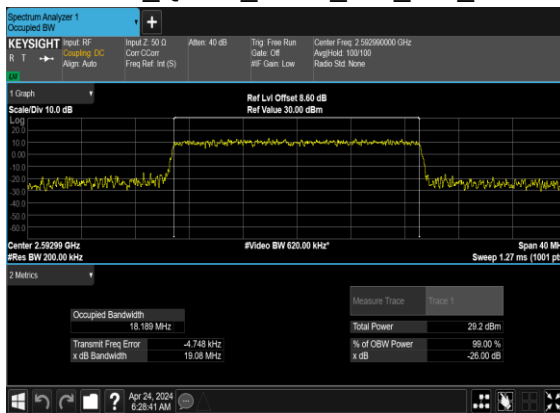
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QAM_Outer_Full_Mid_CH



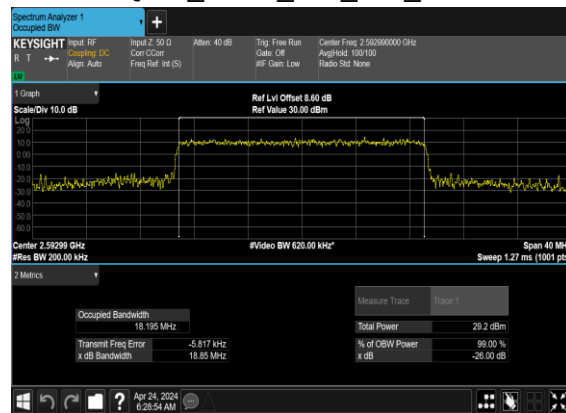
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QAM_Outer_Full_Mid_CH



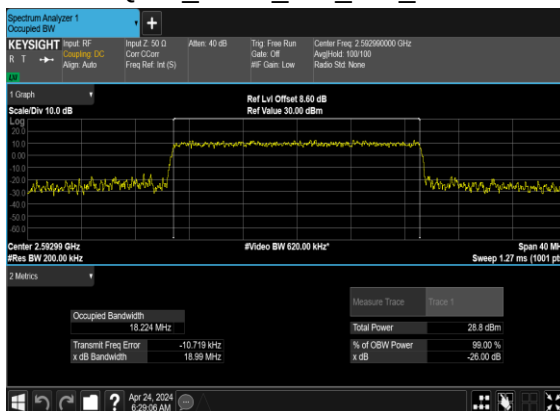
N41(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



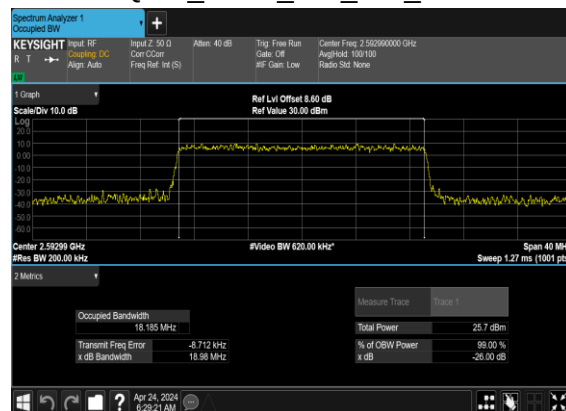
N41(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



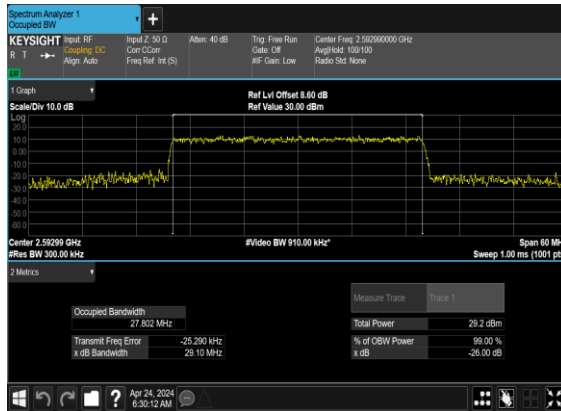
N41(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



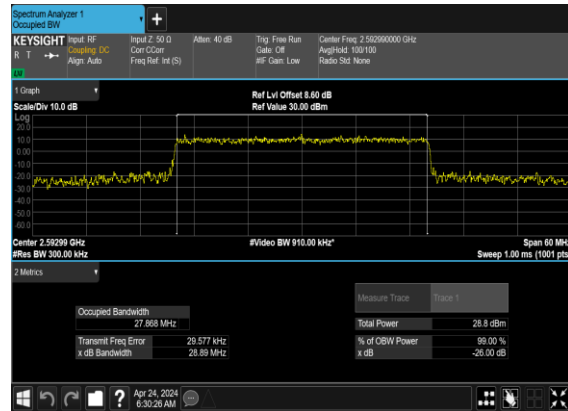
N41(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



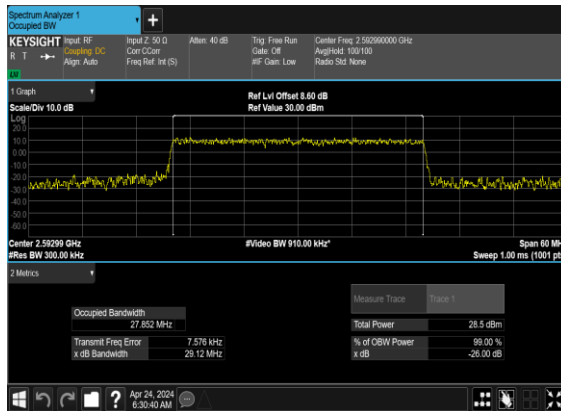
N41(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



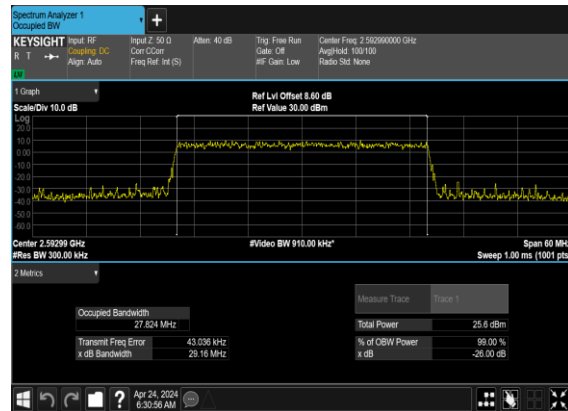
N41(30M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



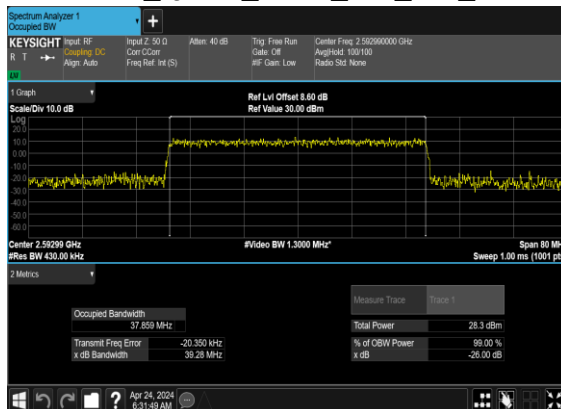
N41(30M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



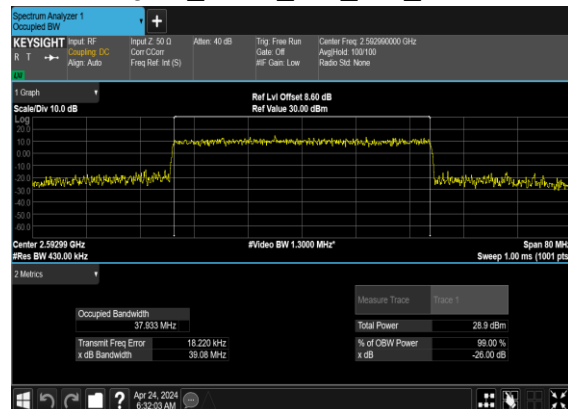
N41(30M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



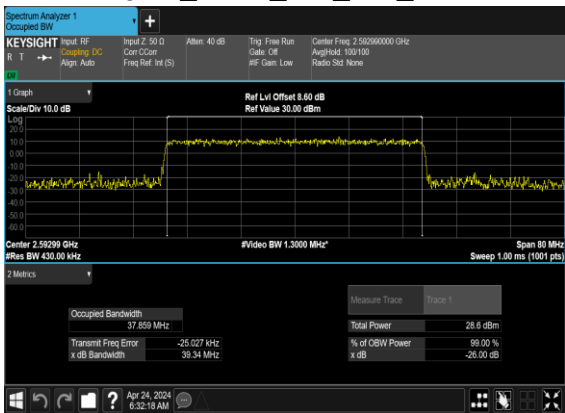
N41(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



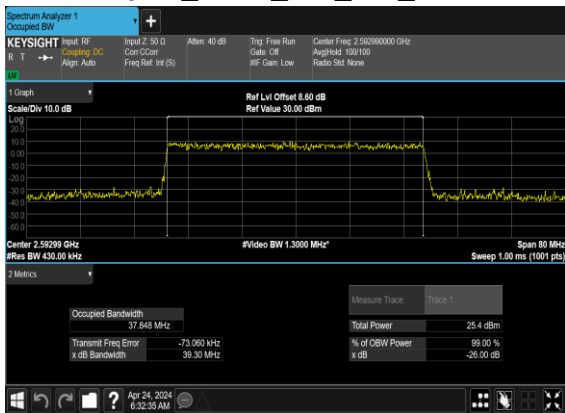
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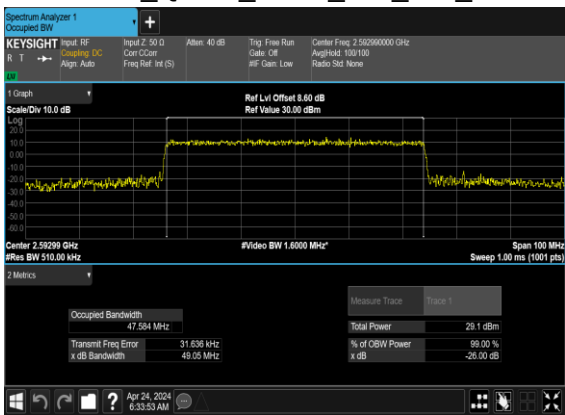
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QAM_Outer_Full_Mid_CH



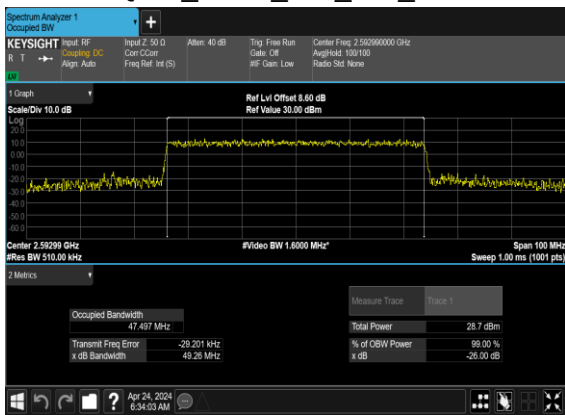
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QAM_Outer_Full_Mid_CH



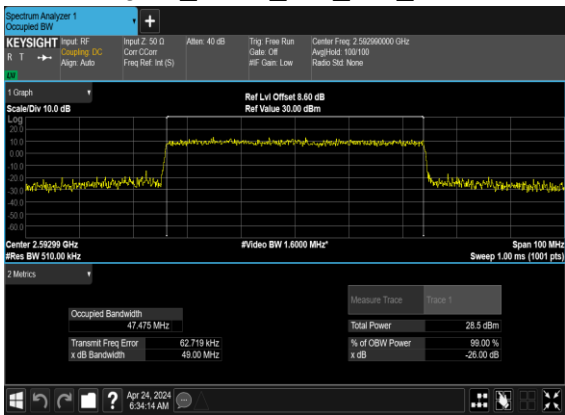
N41(50M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



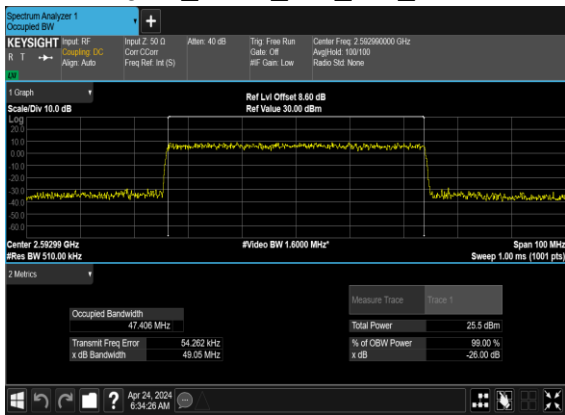
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QAM_Outer_Full_Mid_CH



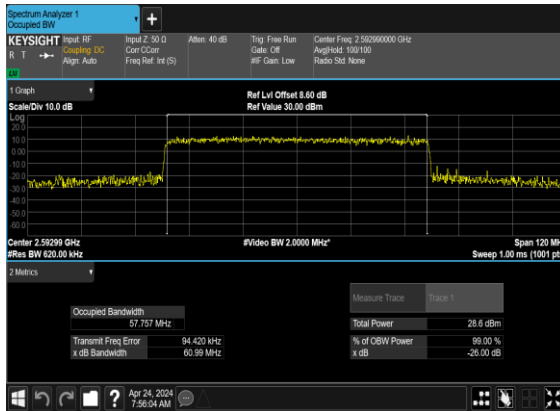
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QAM_Outer_Full_Mid_CH



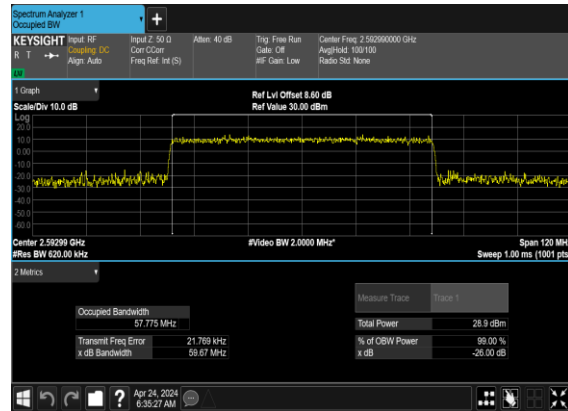
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QAM_Outer_Full_Mid_CH



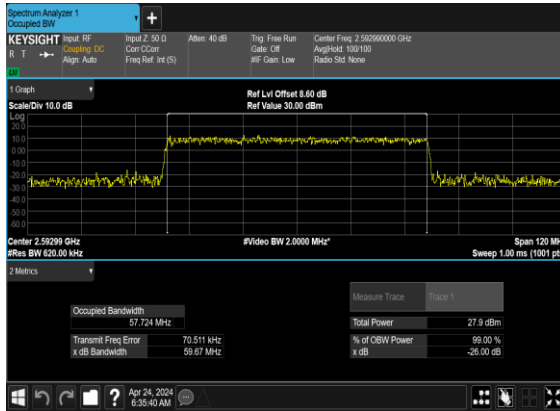
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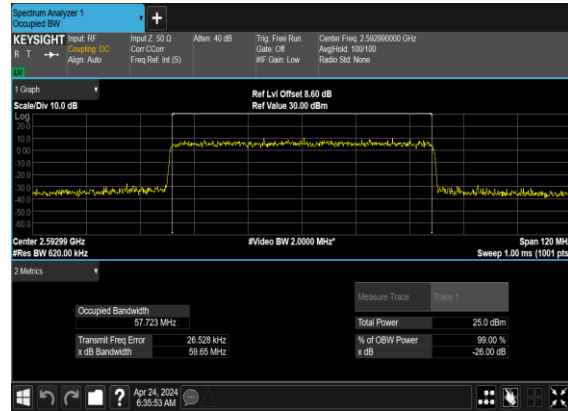
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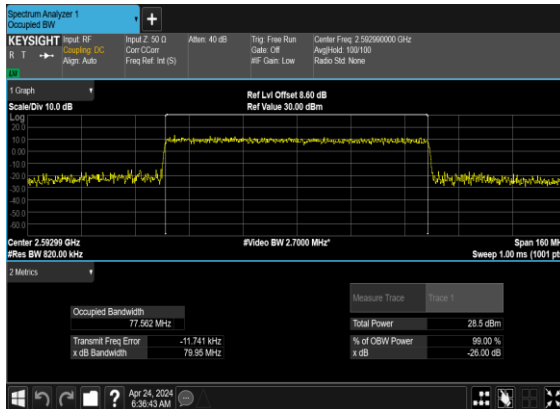
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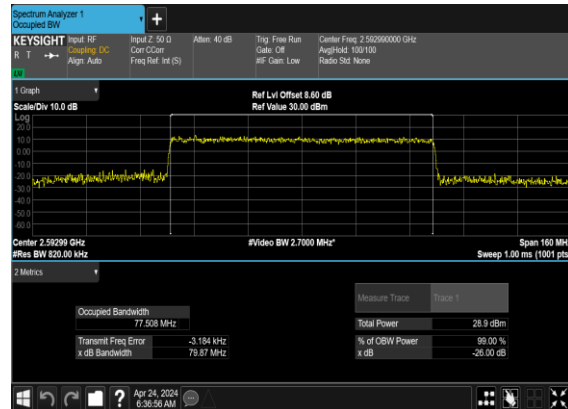
N41(60M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



N41(80M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



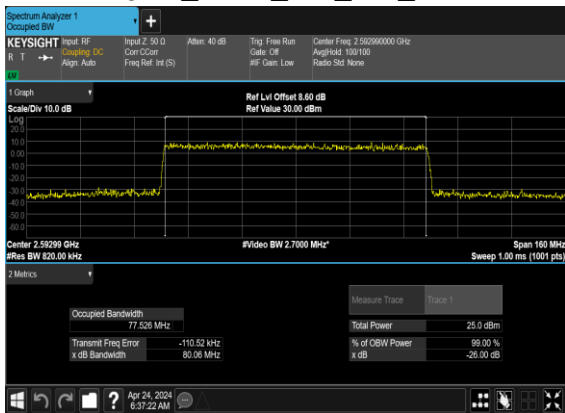
N41(80M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



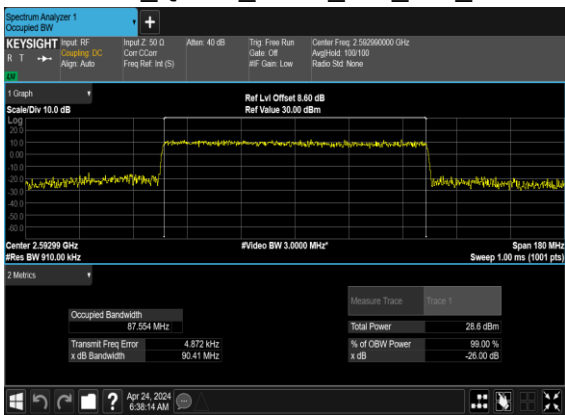
N41(80M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



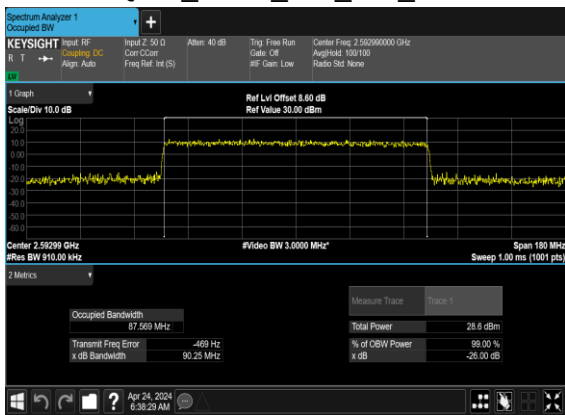
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QAM_Outer_Full_Mid_CH



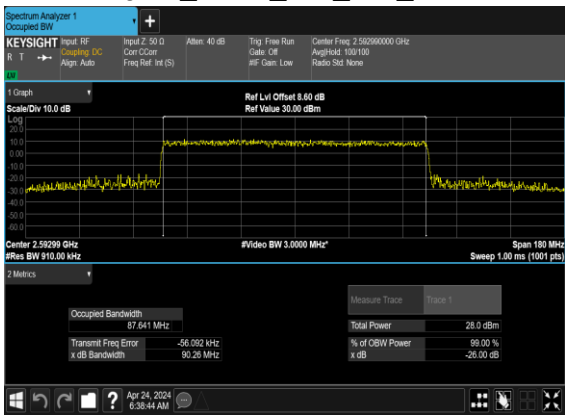
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OFDM_QPSK_Outer_Full_Mid_CH



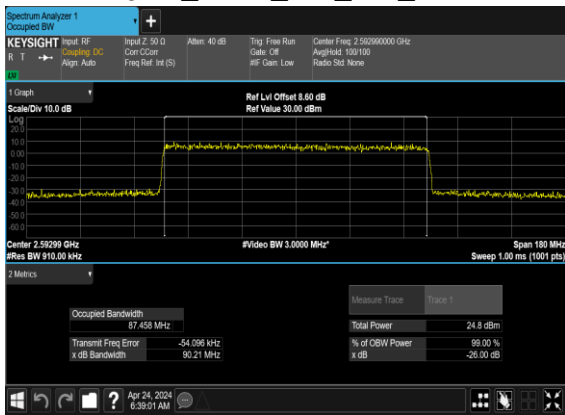
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QAM_Outer_Full_Mid_CH



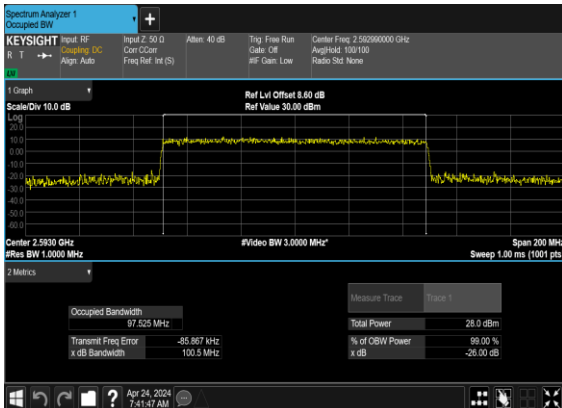
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QAM_Outer_Full_Mid_CH



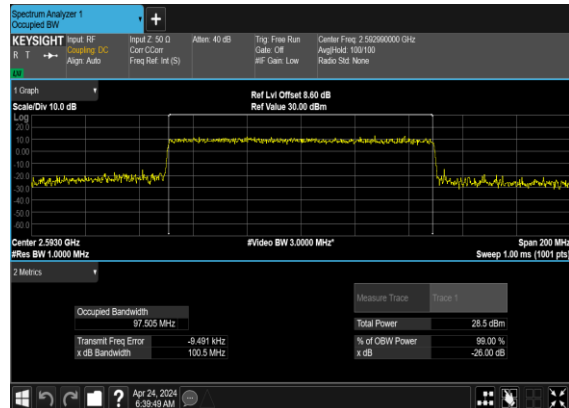
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QAM_Outer_Full_Mid_CH



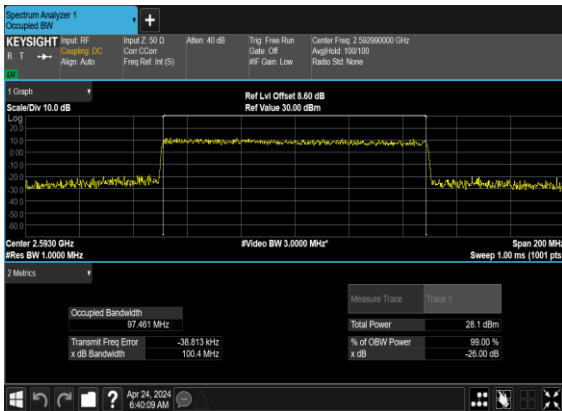
N41(100M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



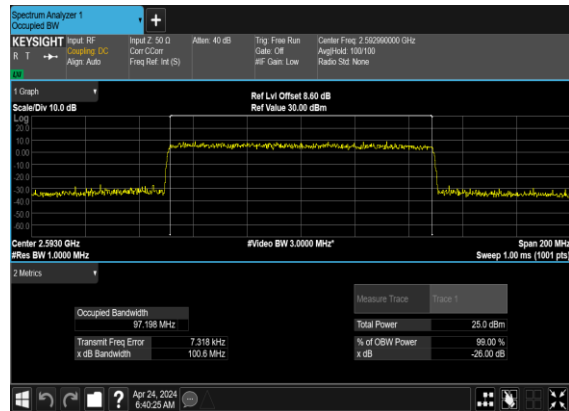
N41(100M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N41(100M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N41(100M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

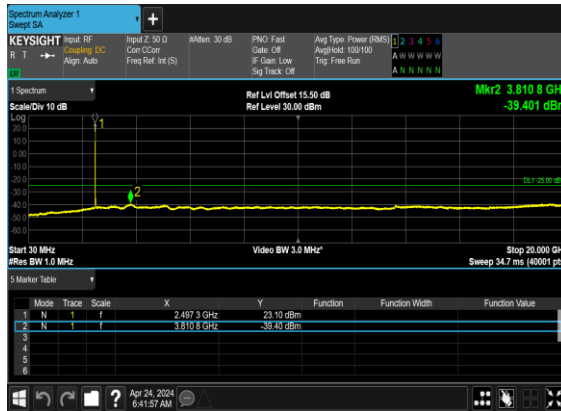


Conducted Spurious Emissions

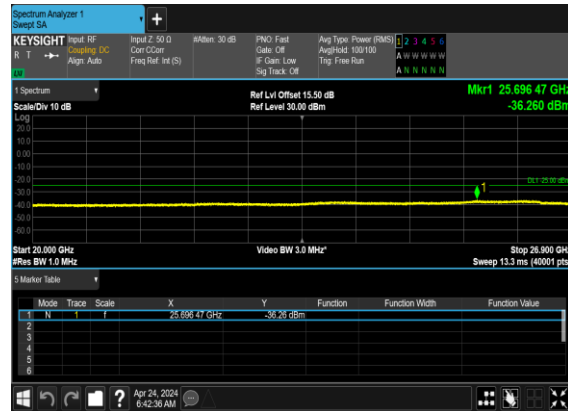
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	30	10	500202	2501.01	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	10	500202	2501.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	1@0	see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

41	30	50	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	50	532998	2664.99	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	50	532998	2664.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	50	532998	2664.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	100	509202	2546.01	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	100	509202	2546.01	DFT-s-OFDM BPSK	1@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	---
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	100	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	100	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	100	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	1@0	see graph	PASS

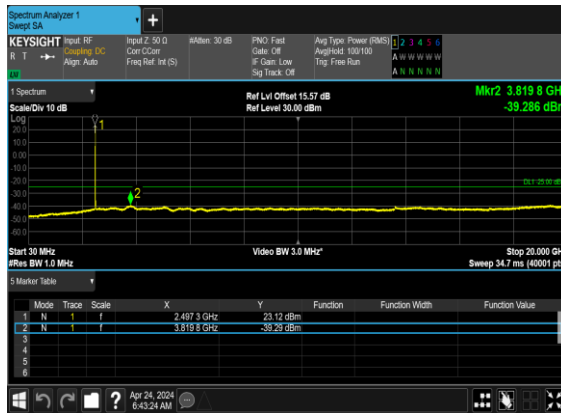
N41(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH



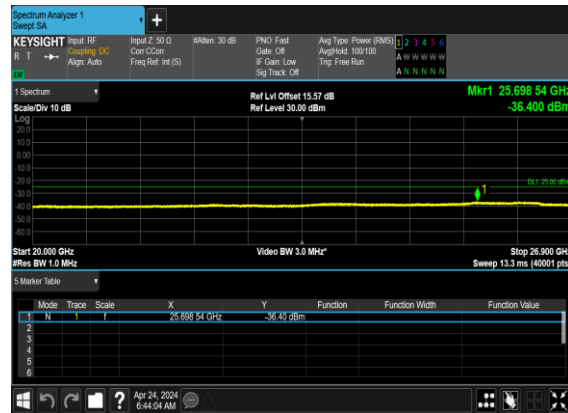
N41(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH



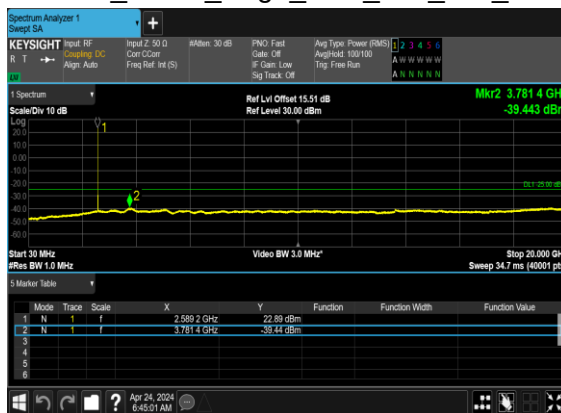
N41(10M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH



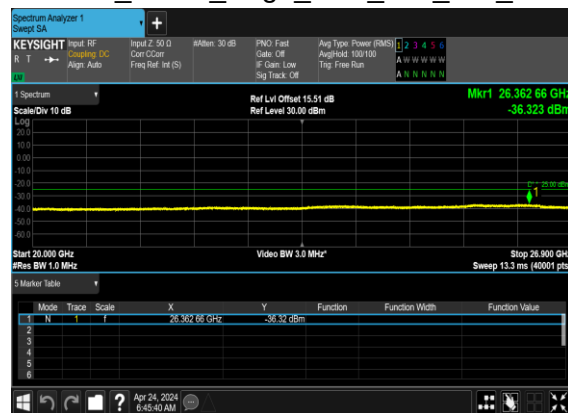
N41(10M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH



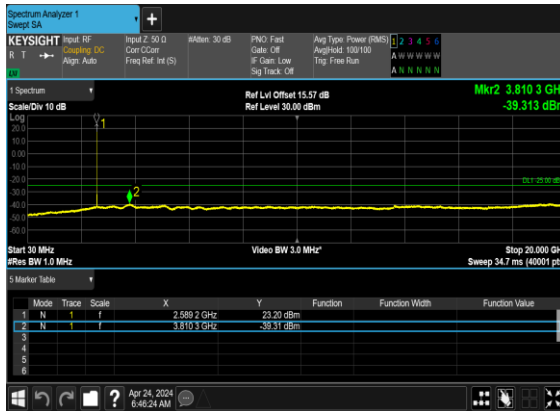
N41(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Mid_CH



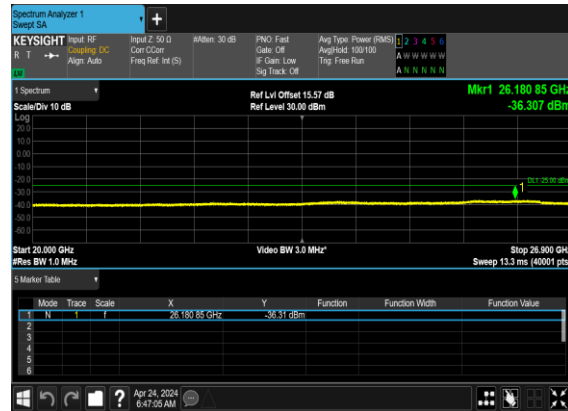
N41(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Mid_CH



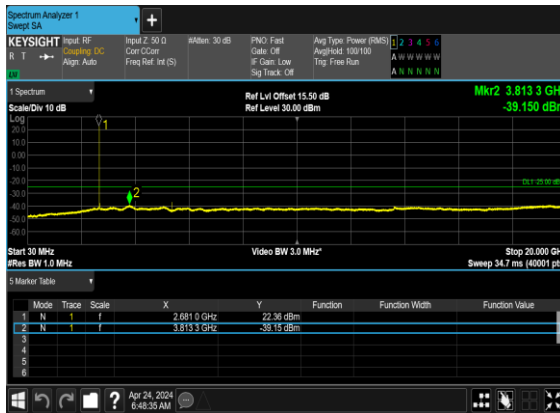
N41(10M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Mid_CH



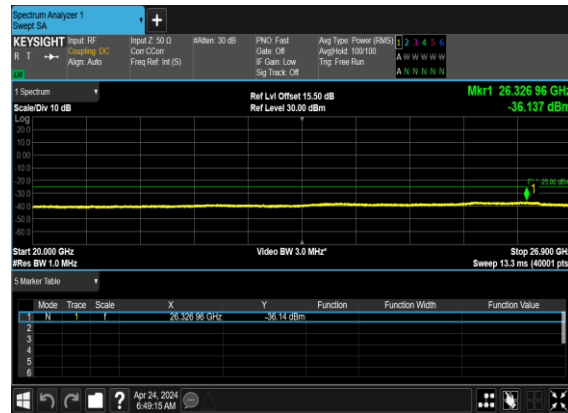
N41(10M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Mid_CH



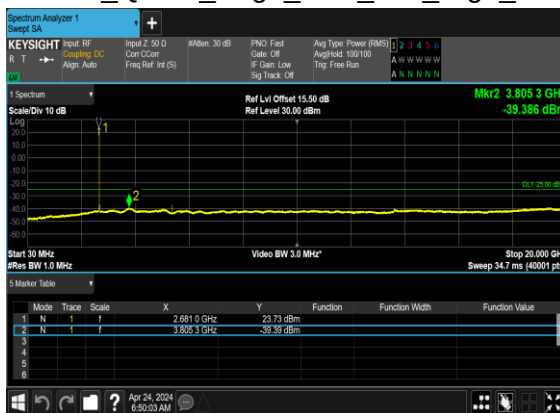
N41(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_High_CH



N41(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_High_CH



N41(10M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_High_CH



N41(10M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_High_CH

