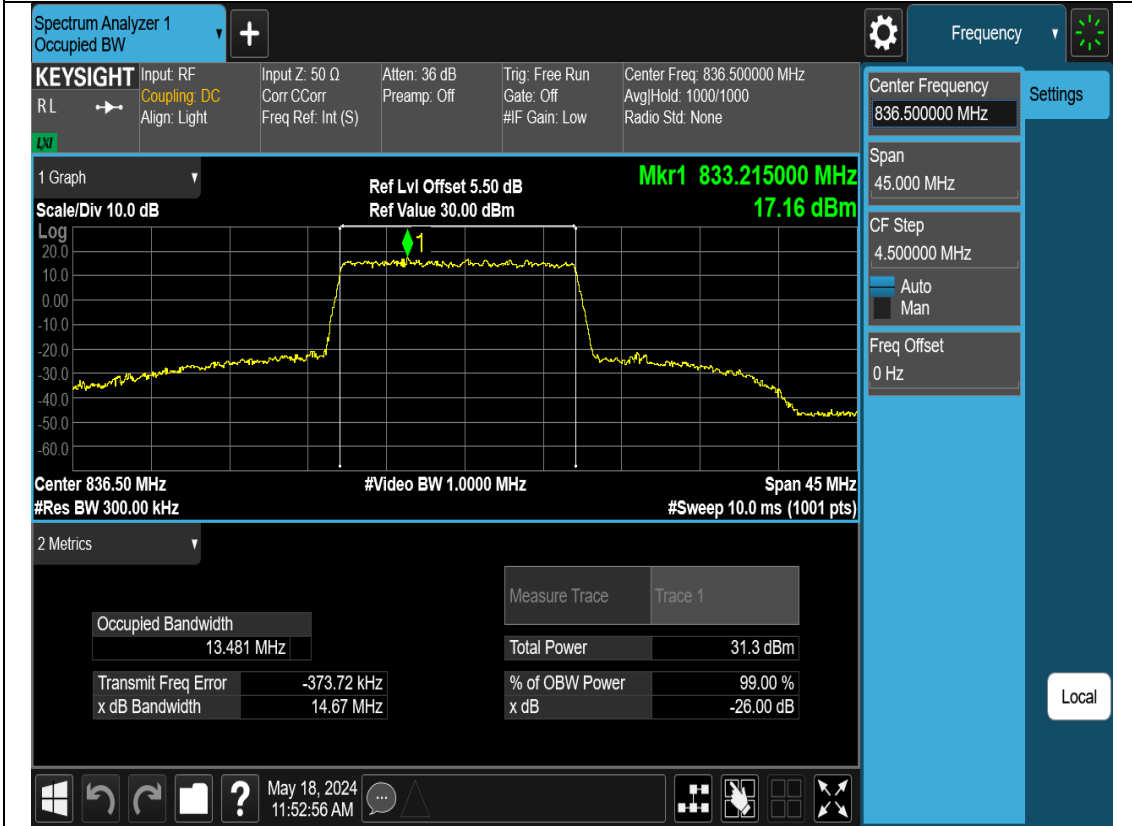
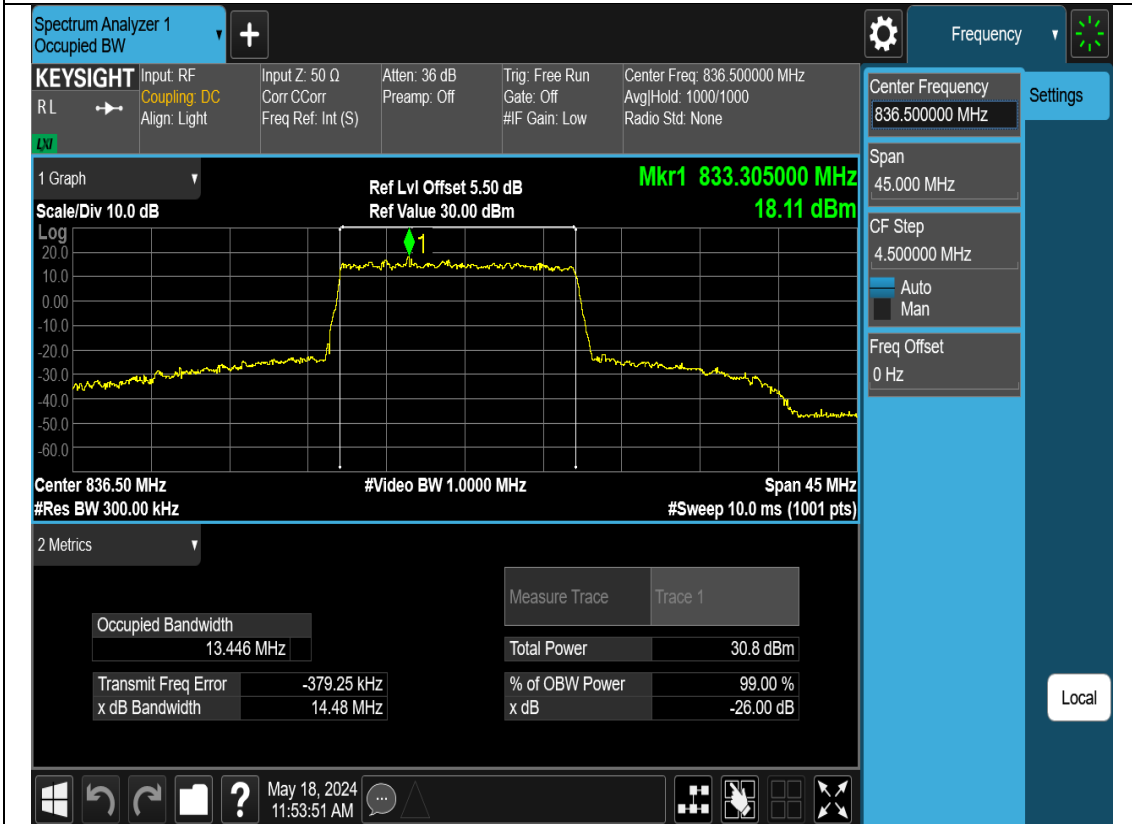


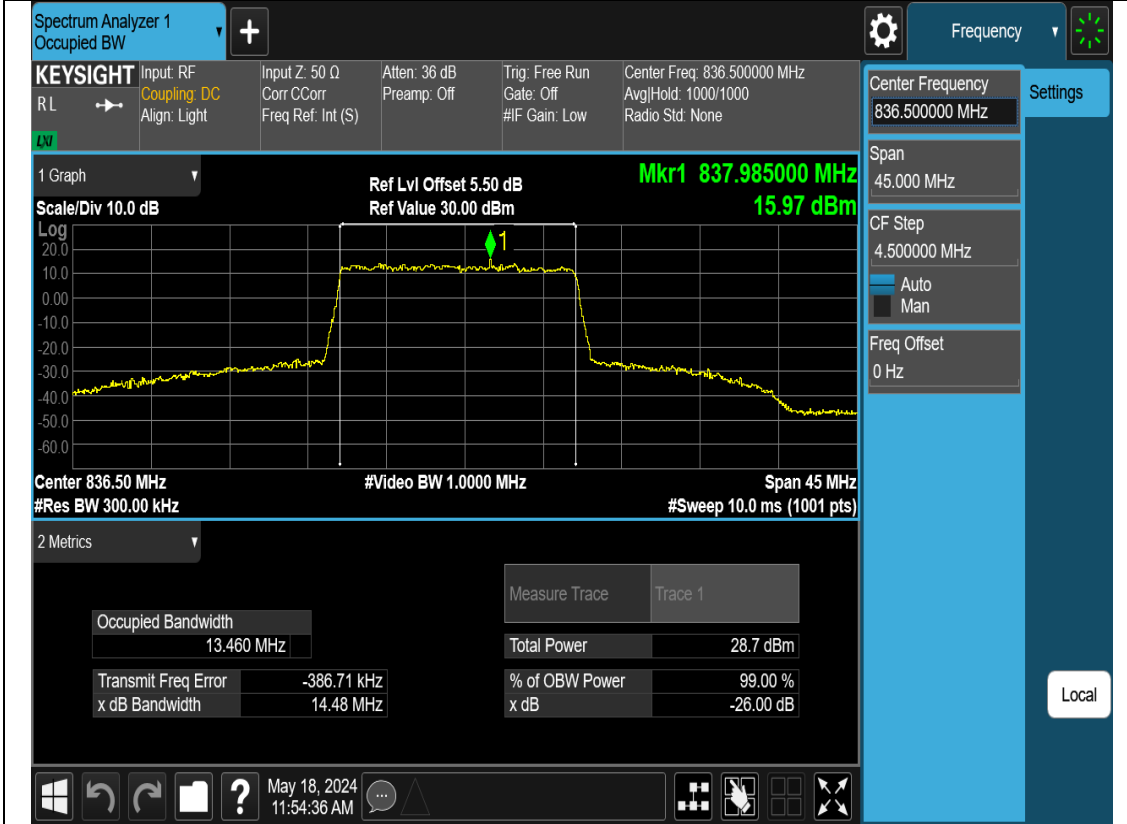
N5-15M-OBW-M-DFT-s-OFDM-16QAM



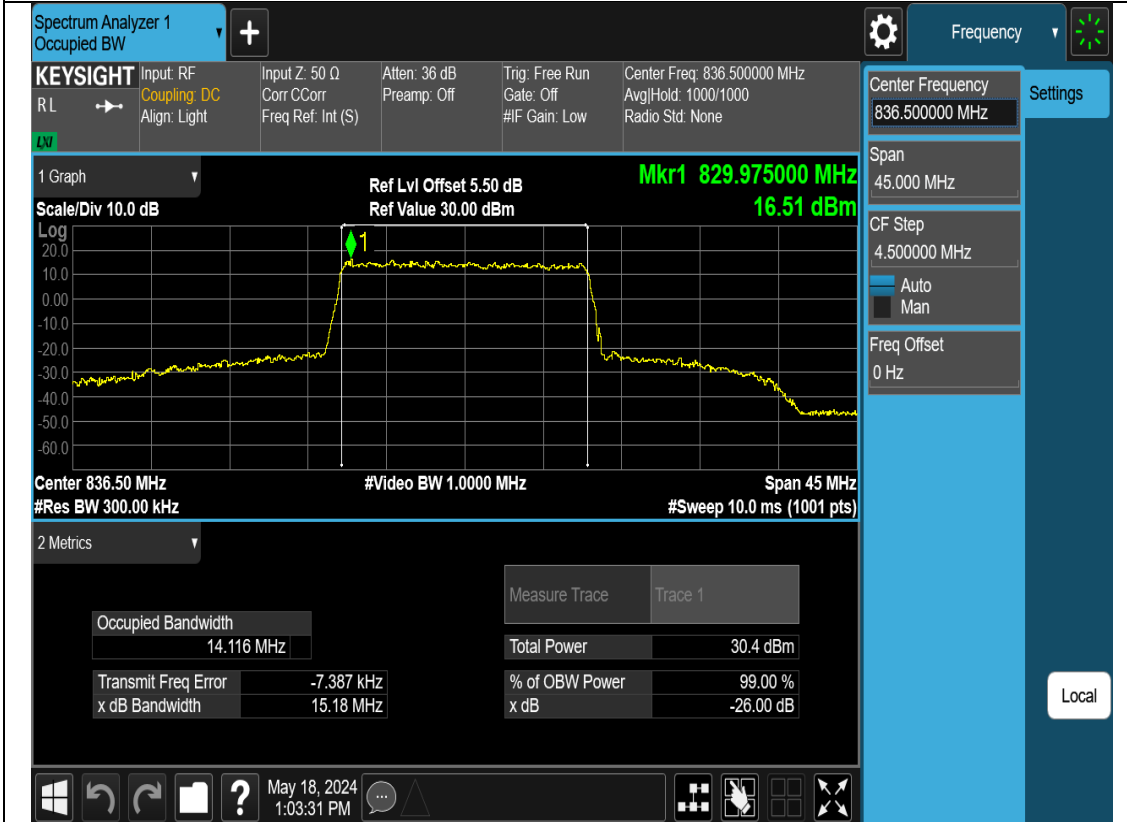
N5-15M-OBW-M-DFT-s-OFDM-64QAM



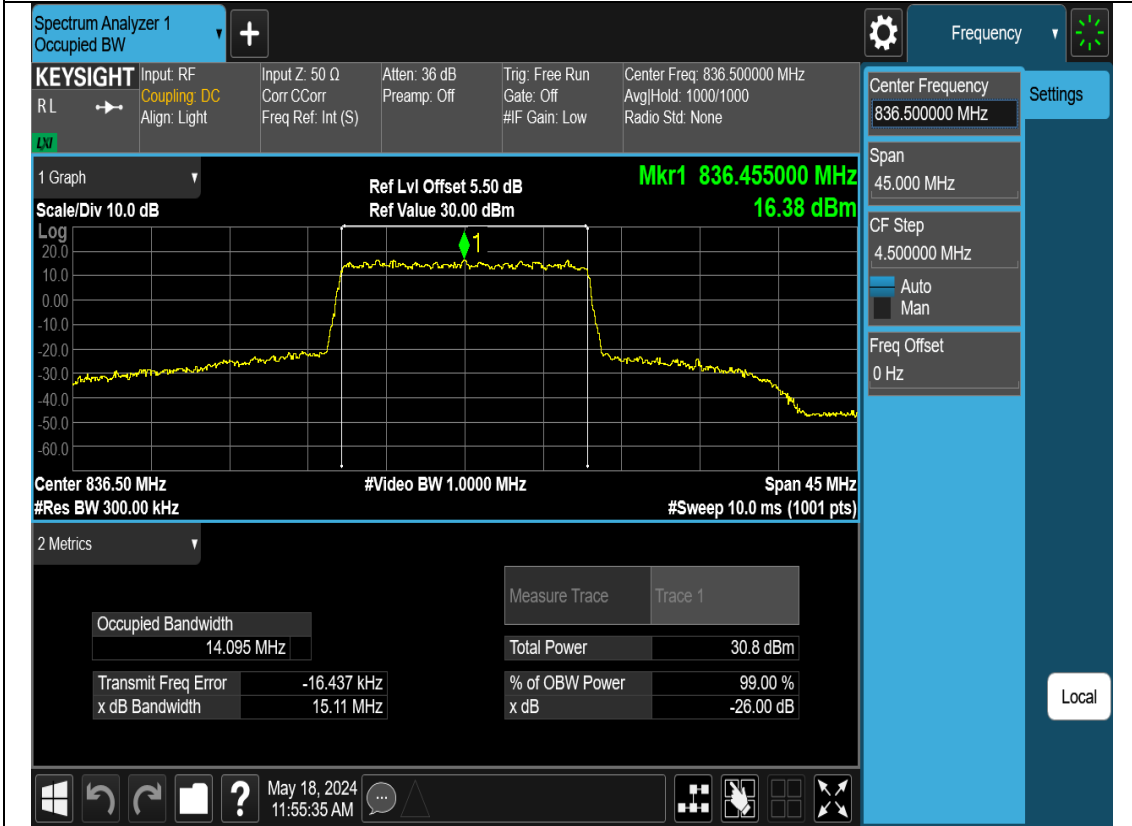
N5-15M-OBW-M-DFT-s-OFDM-256QAM



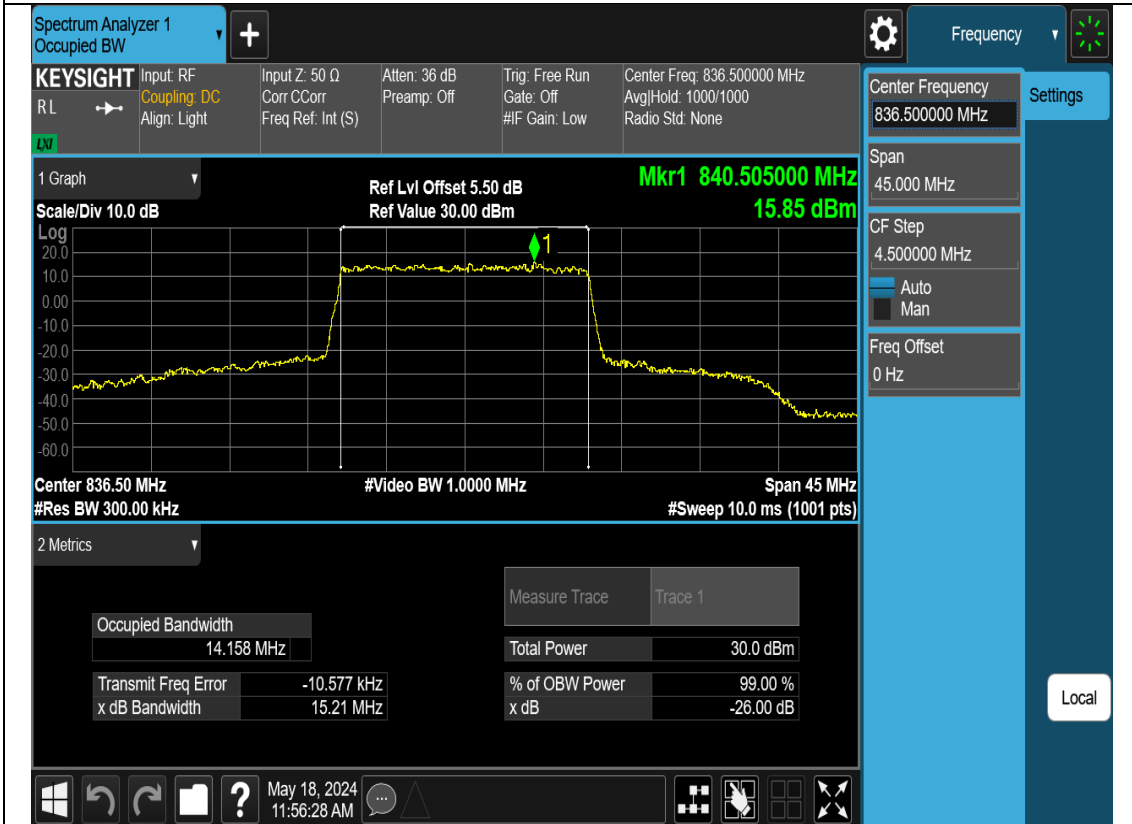
N5-15M-OBW-M-CP-OFDM-QPSK



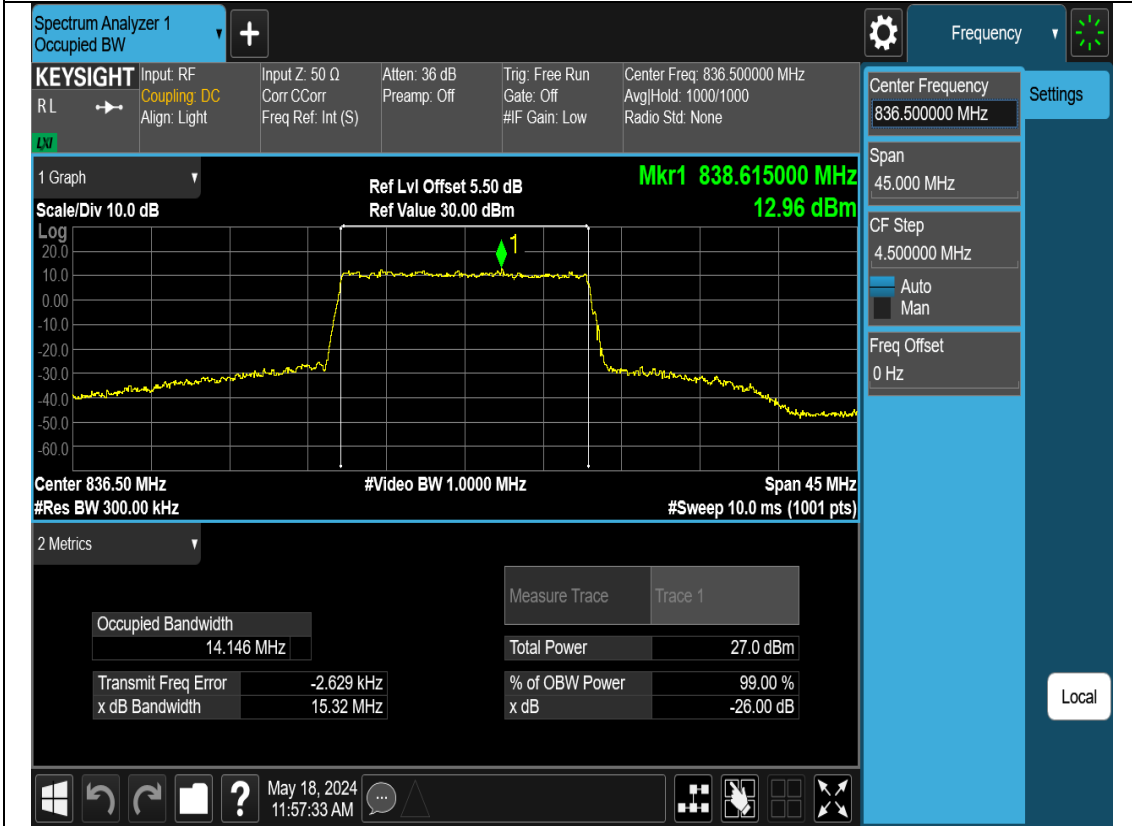
N5-15M-OBW-M-CP-OFDM-16QAM



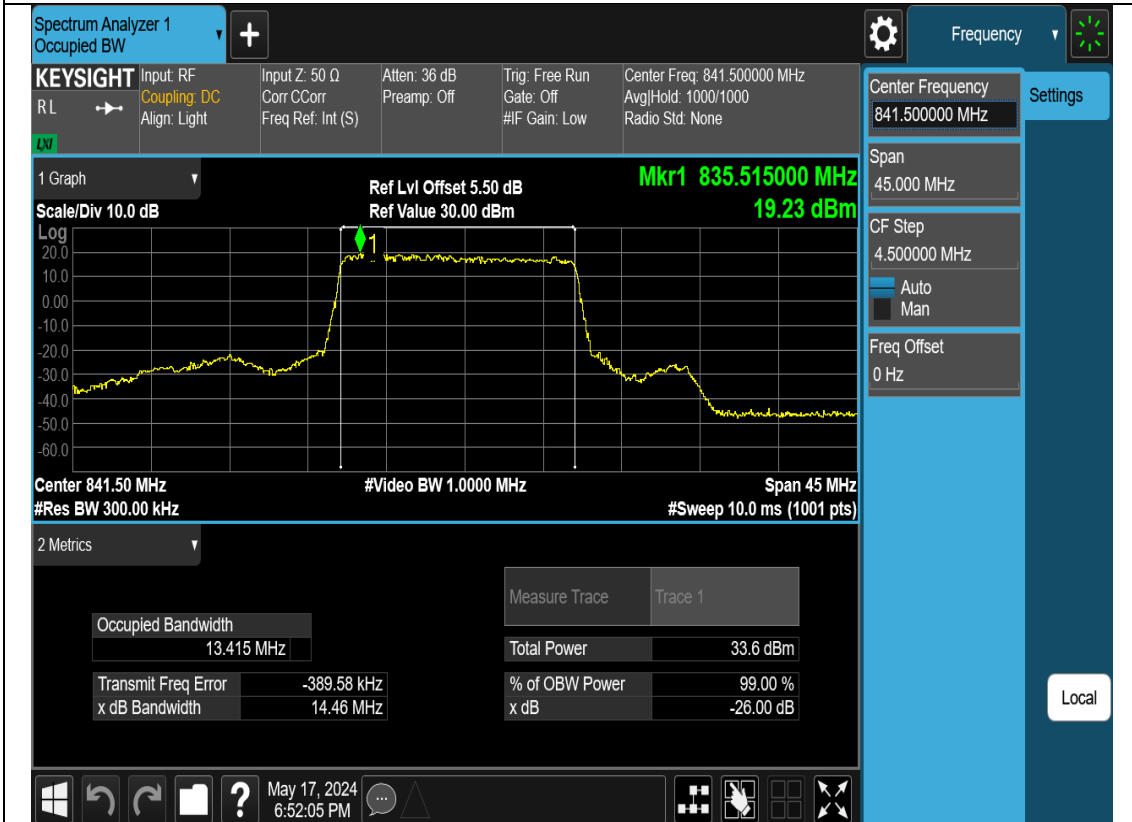
N5-15M-OBW-M-CP-OFDM-64QAM



N5-15M-OBW-M-CP-OFDM-256QAM



N5-15M-OBW-H-DFT-s-OFDM-Pi2 BPSK



N5-15M-OBW-H-DFT-s-OFDM-QPSK

Spectrum Analyzer 1
Occupied BW

KEYSIGHT Input RF Input Z: 50 Ω Atten: 36 dB Trig: Free Run Center Freq: 841.500000 MHz
 R.L. Coupling: DC Corr: C Corr Freq Ref: Int (S) Preamp: Off Gate: Off Avg/Hold: 1000/1000
 Align: Light Freq Ref: Int (S) #F Gain: Low Radio Std: None

1 Graph
 Scale/Div 10.0 dB
 Log
 20.0
 10.0
 0.00
 -10.0
 -20.0
 -30.0
 -40.0
 -50.0
 -60.0

Ref Lvl Offset 5.50 dB
 Ref Value 30.00 dBm
 Mkr1 838.755000 MHz
 18.73 dBm

Center 841.50 MHz #Video BW 1.0000 MHz Span 45 MHz
 #Res BW 300.00 kHz #Sweep 10.0 ms (1001 pts)

2 Metrics

Occupied Bandwidth	13.439 MHz	Total Power	32.4 dBm
Transmit Freq Error	-393.82 kHz	% of OBW Power	99.00 %
x dB Bandwidth	14.51 MHz	x dB	-26.00 dB

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N5-15M-OBW-H-DFT-s-OFDM-16QAM

Spectrum Analyzer 1
Occupied BW

KEYSIGHT Input RF Input Z: 50 Ω Atten: 36 dB Trig: Free Run Center Freq: 841.500000 MHz
 R.L. Coupling: DC Corr: C Corr Freq Ref: Int (S) Preamp: Off Gate: Off Avg/Hold: 1000/1000
 Align: Light Freq Ref: Int (S) #F Gain: Low Radio Std: None

1 Graph
 Scale/Div 10.0 dB
 Log
 20.0
 10.0
 0.00
 -10.0
 -20.0
 -30.0
 -40.0
 -50.0
 -60.0

Ref Lvl Offset 5.50 dB
 Ref Value 30.00 dBm
 Mkr1 838.215000 MHz
 17.41 dBm

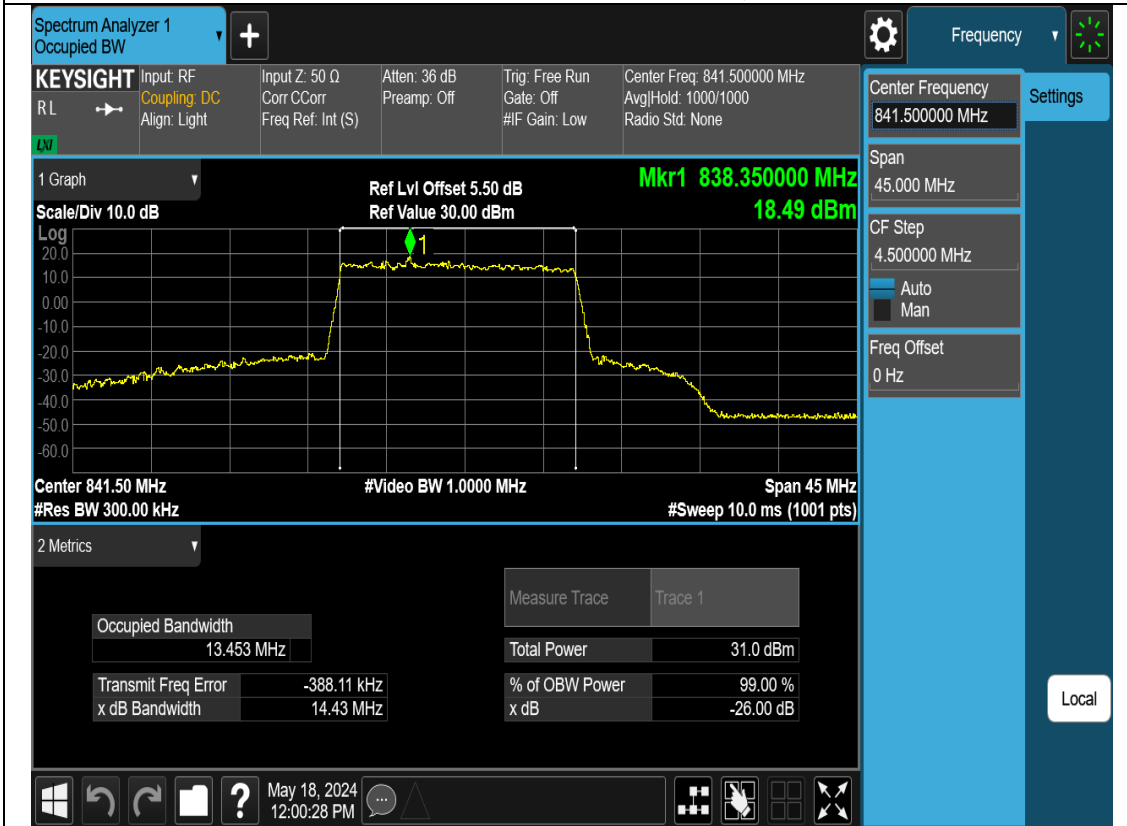
Center 841.50 MHz #Video BW 1.0000 MHz Span 45 MHz
 #Res BW 300.00 kHz #Sweep 10.0 ms (1001 pts)

2 Metrics

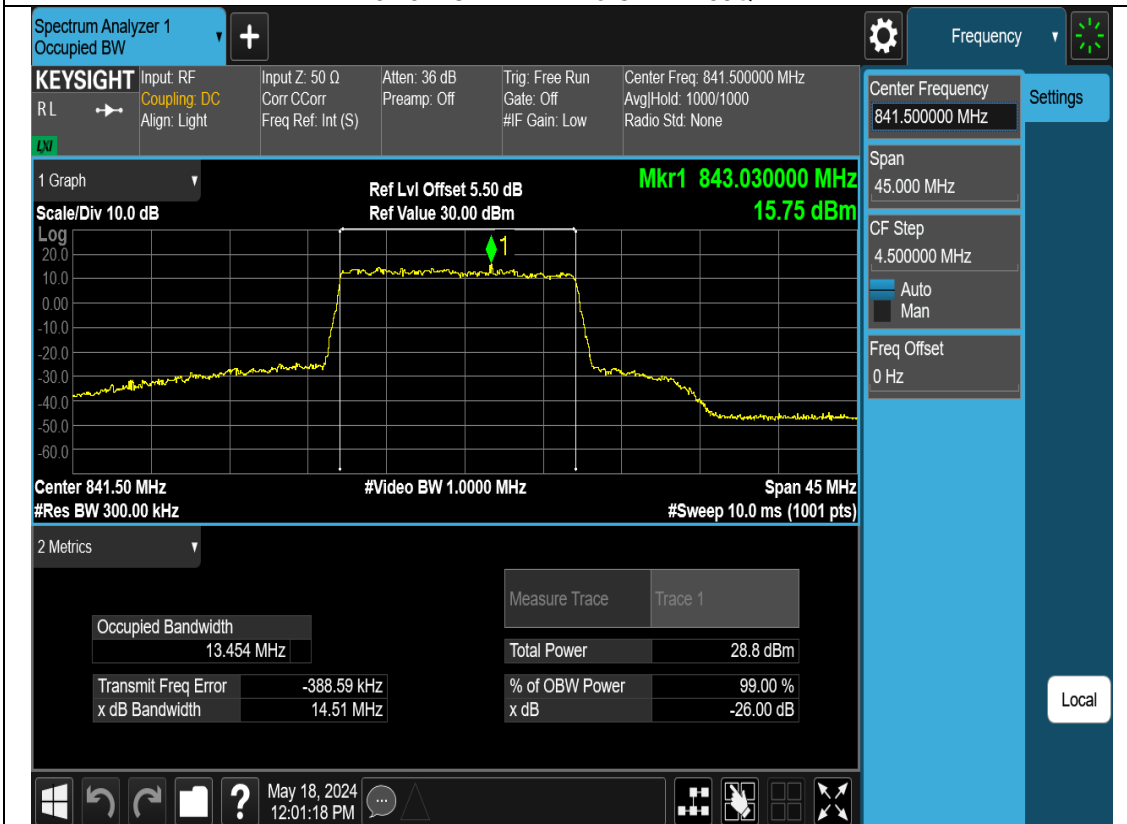
Occupied Bandwidth	13.459 MHz	Total Power	31.3 dBm
Transmit Freq Error	-387.25 kHz	% of OBW Power	99.00 %
x dB Bandwidth	14.58 MHz	x dB	-26.00 dB

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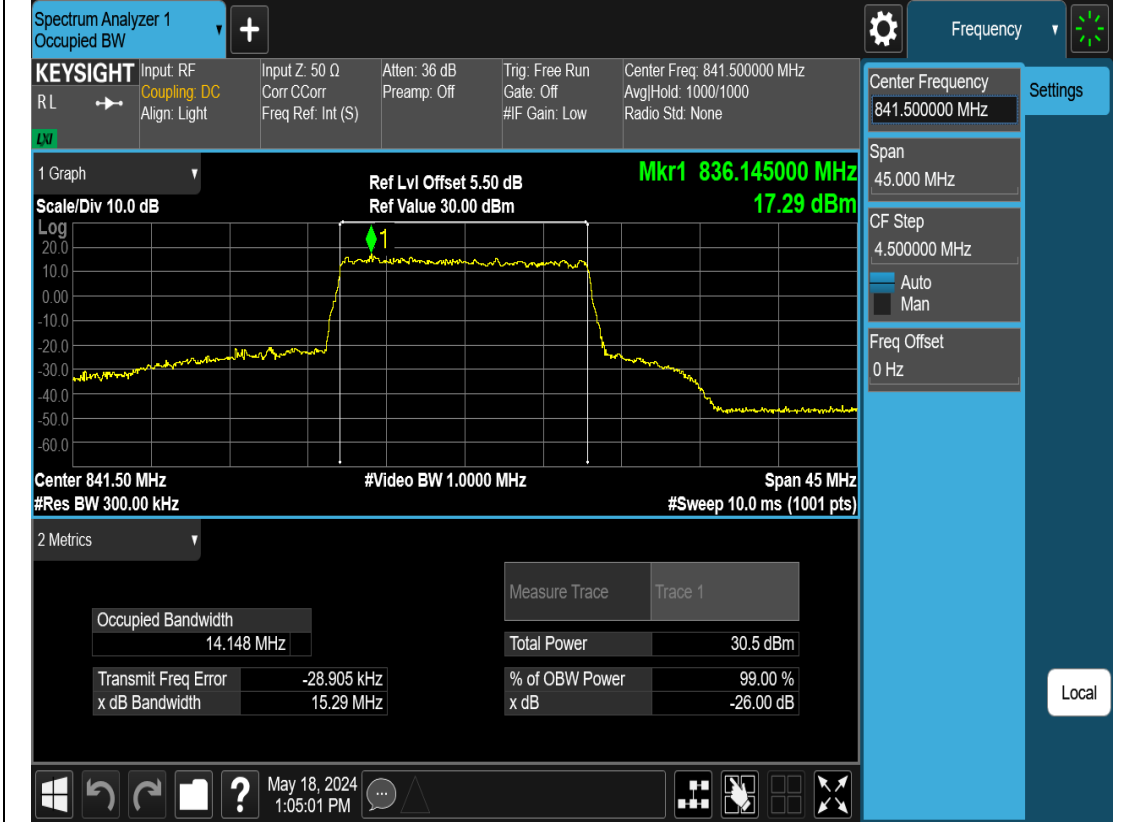
N5-15M-OBW-H-DFT-s-OFDM-64QAM



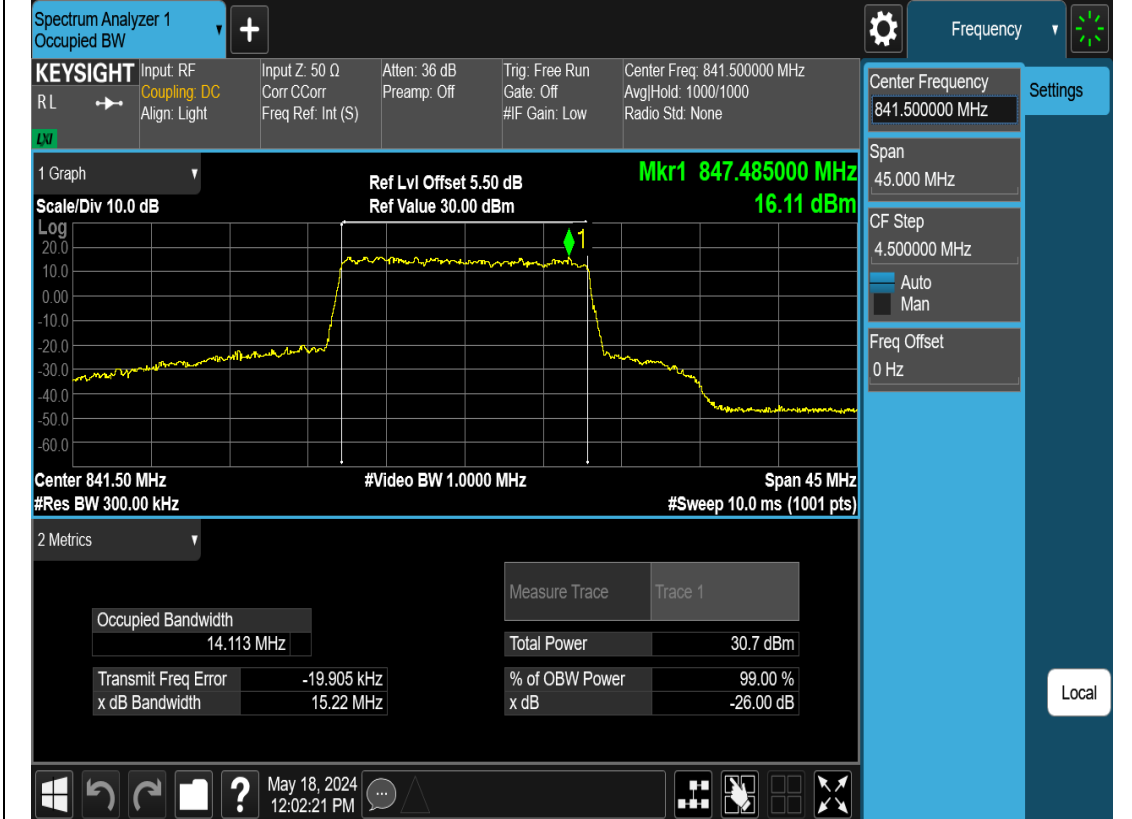
N5-15M-OBW-H-DFT-s-OFDM-256QAM



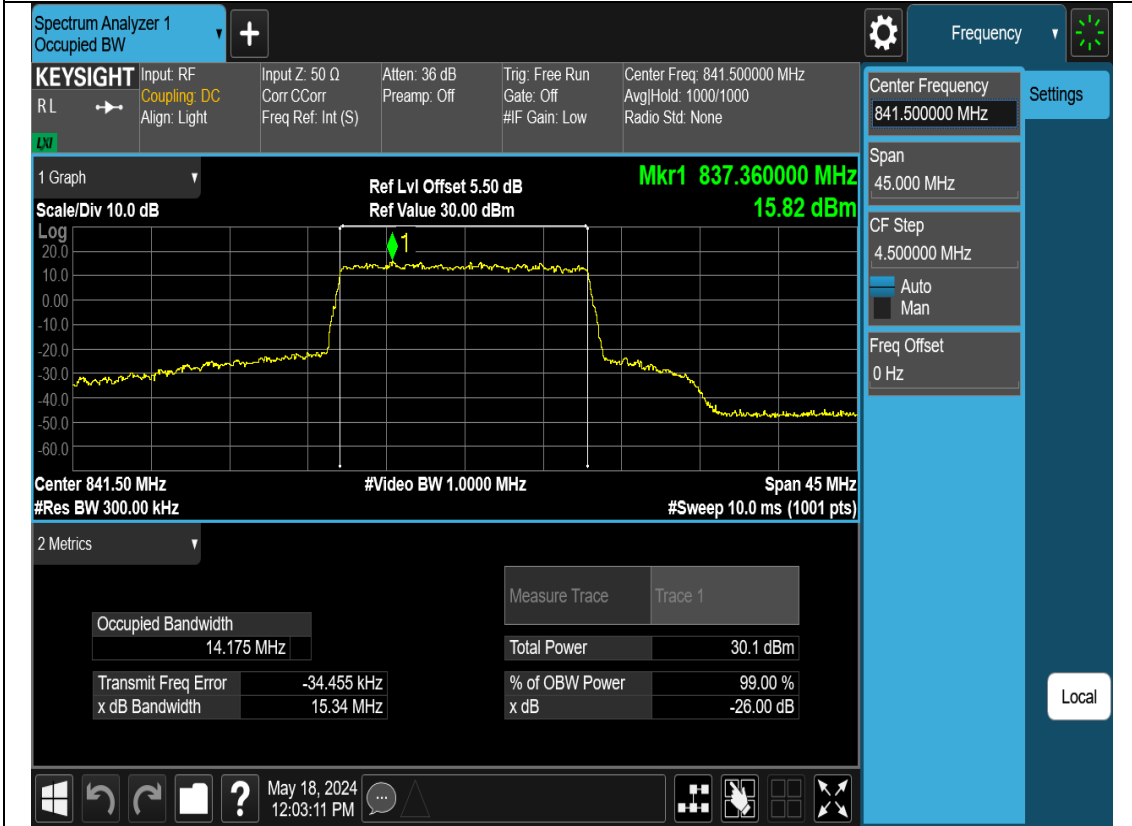
N5-15M-OBW-H-CP-OFDM-QPSK



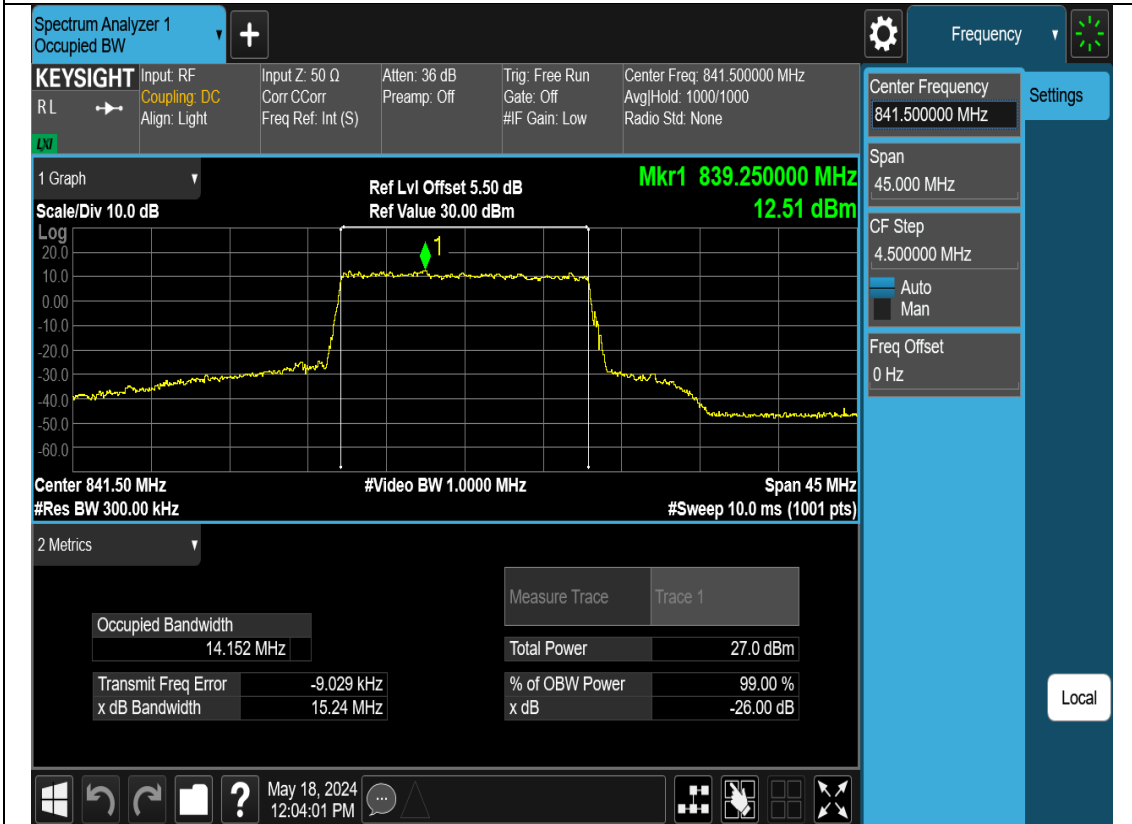
N5-15M-OBW-H-CP-OFDM-16QAM



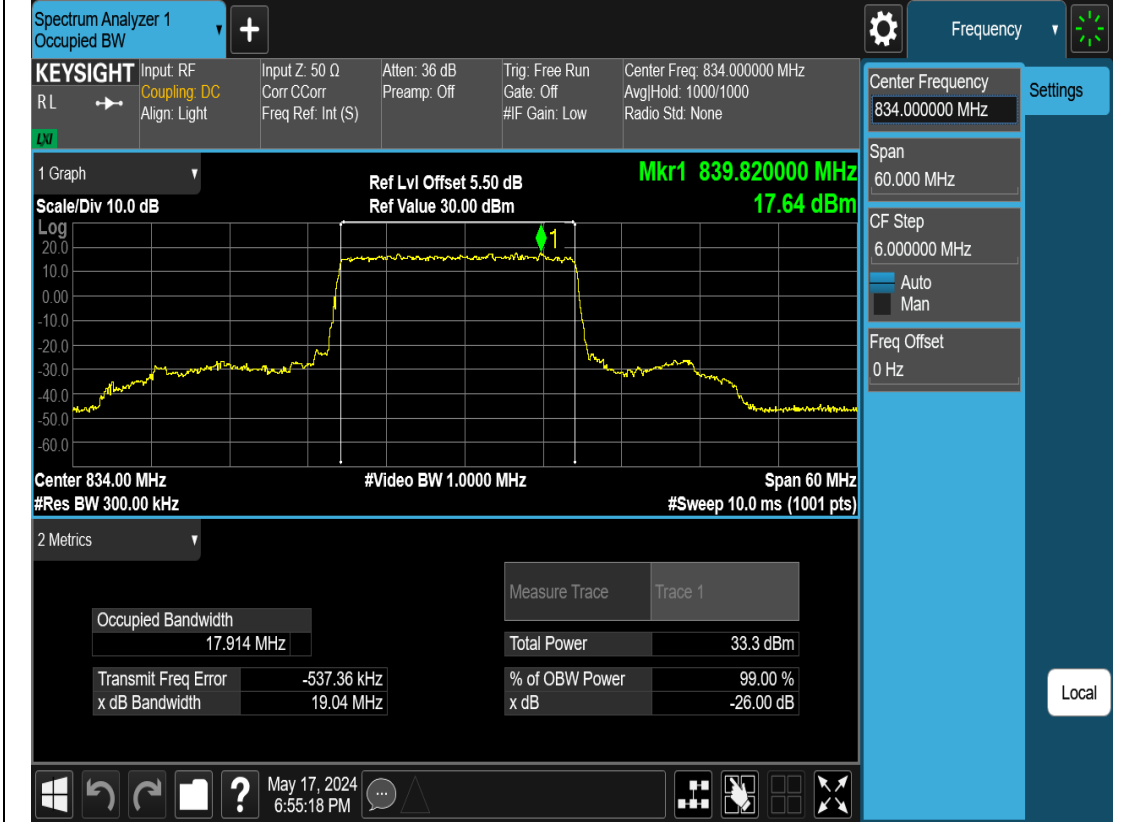
N5-15M-OBW-H-CP-OFDM-64QAM



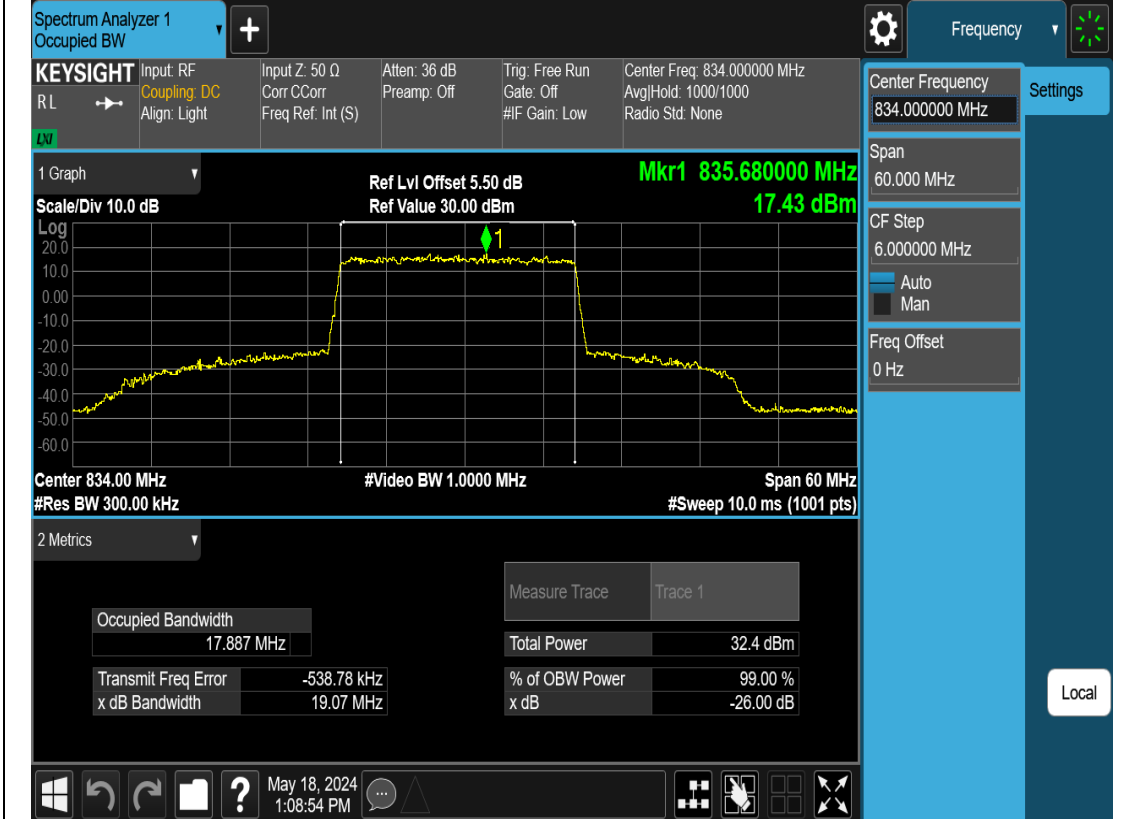
N5-15M-OBW-H-CP-OFDM-256QAM



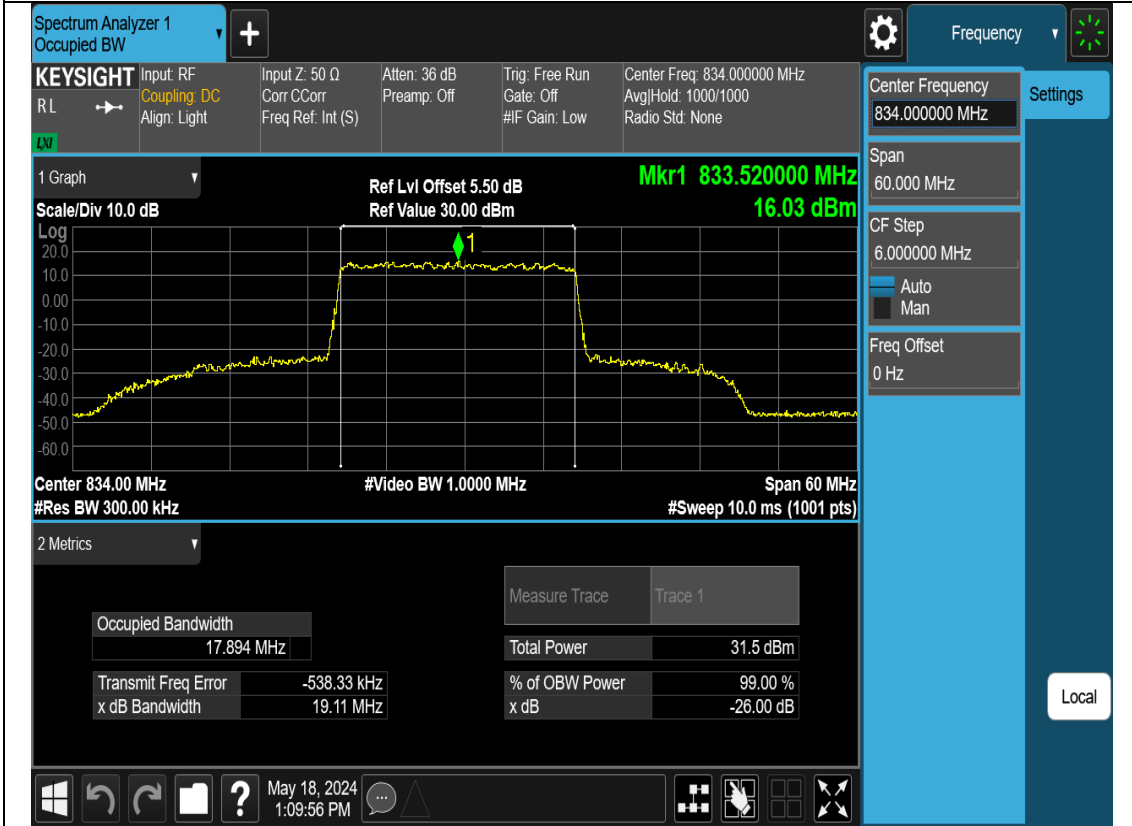
N5-20M-OBW-L-DFT-s-OFDM-Pi2 BPSK



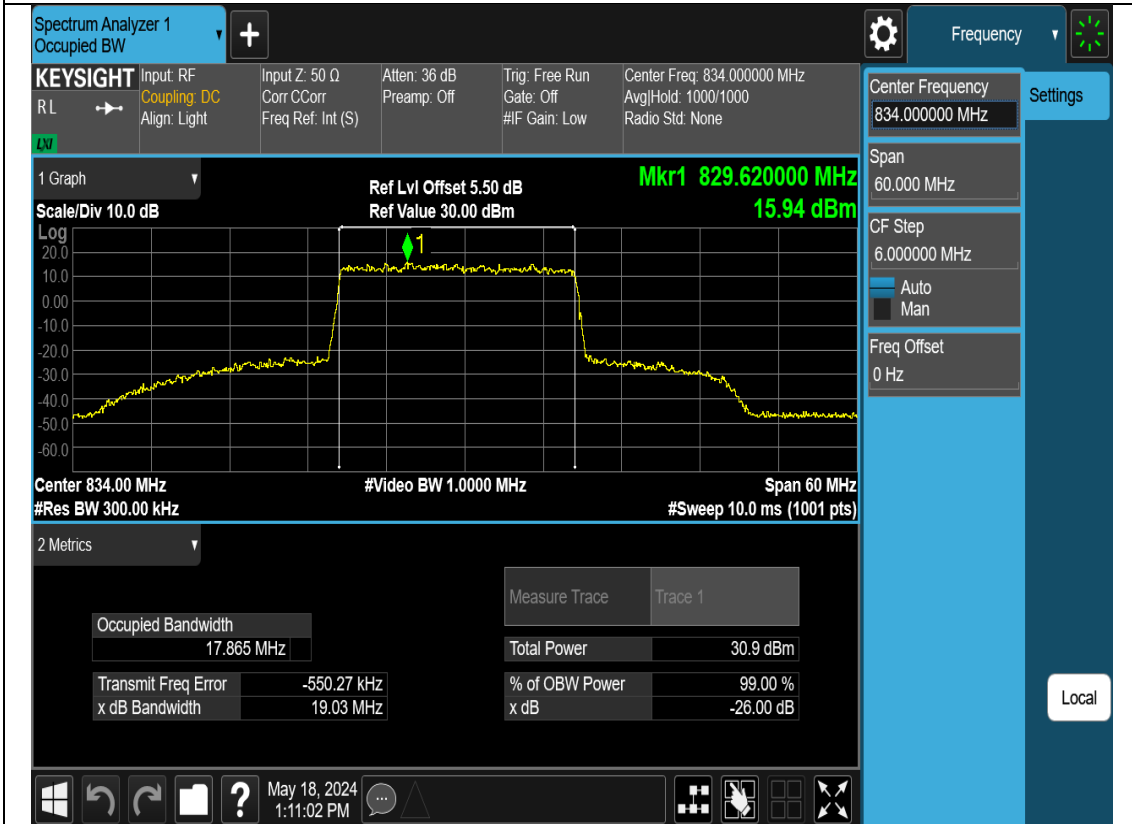
N5-20M-OBW-L-DFT-s-OFDM-QPSK



N5-20M-OBW-L-DFT-s-OFDM-16QAM



N5-20M-OBW-L-DFT-s-OFDM-64QAM



N5-20M-OBW-L-DFT-s-OFDM-256QAM

Spectrum Analyzer 1 Occupied BW

KEYSIGHT Input RF Input Z: 50 Ω Atten: 36 dB Trig: Free Run Center Freq: 834.000000 MHz
 R.L. Coupling: DC Corr: C Corr Freq Ref: Int (S) Preamp: Off Gate: Off Avg/Hold: 1000/1000
 Align: Light Freq Ref: Int (S) #F Gain: Low Radio Std: None

1 Graph Scale/Div 10.0 dB Ref Lvl Offset 5.50 dB Mkr1 830.160000 MHz
 Ref Value 30.00 dBm 13.81 dBm

Center 834.00 MHz #Res BW 300.00 kHz #Video BW 1.0000 MHz Span 60 MHz #Sweep 10.0 ms (1001 pts)

2 Metrics

Measure Trace		Trace 1	
Occupied Bandwidth	17.892 MHz	Total Power	29.0 dBm
Transmit Freq Error	-536.52 kHz	% of OBW Power	99.00 %
x dB Bandwidth	19.01 MHz	x dB	-26.00 dB

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N5-20M-OBW-L-CP-OFDM-QPSK

Spectrum Analyzer 1 Occupied BW

KEYSIGHT Input RF Input Z: 50 Ω Atten: 36 dB Trig: Free Run Center Freq: 834.000000 MHz
 R.L. Coupling: DC Corr: C Corr Freq Ref: Int (S) Preamp: Off Gate: Off Avg/Hold: 1000/1000
 Align: Light Freq Ref: Int (S) #F Gain: Low Radio Std: None

1 Graph Scale/Div 10.0 dB Ref Lvl Offset 5.50 dB Mkr1 835.320000 MHz
 Ref Value 30.00 dBm 15.12 dBm

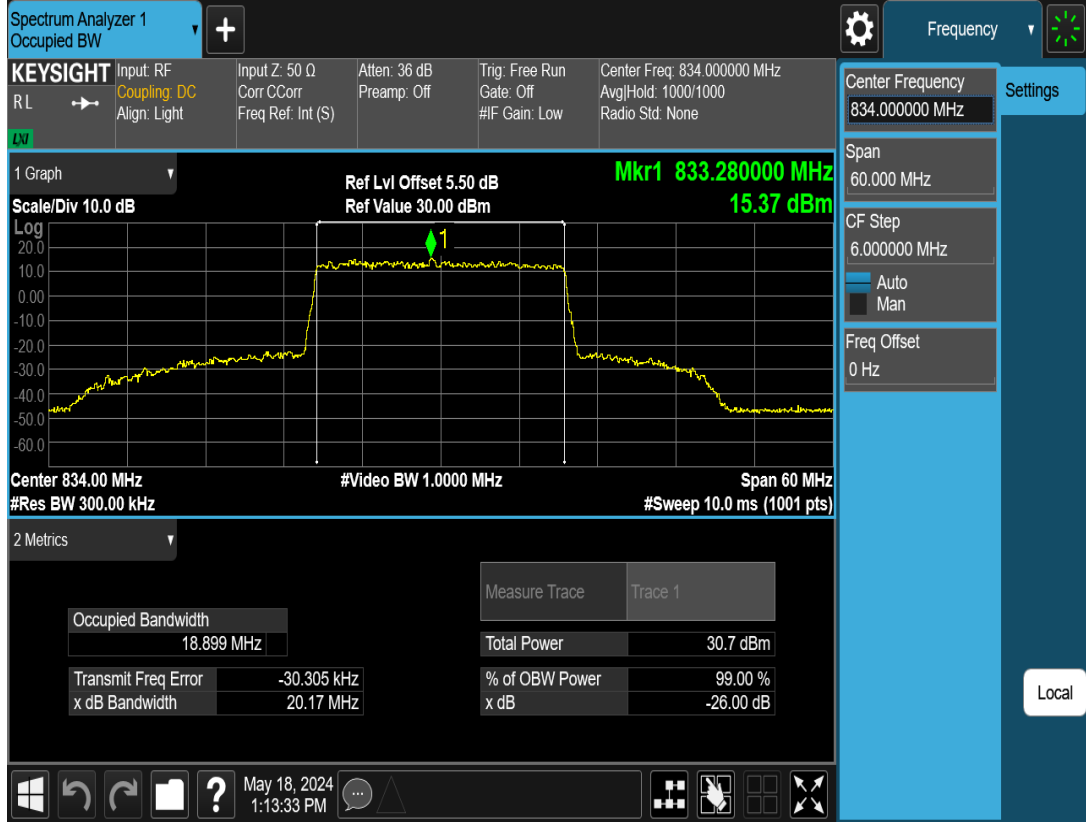
Center 834.00 MHz #Res BW 300.00 kHz #Video BW 1.0000 MHz Span 60 MHz #Sweep 10.0 ms (1001 pts)

2 Metrics

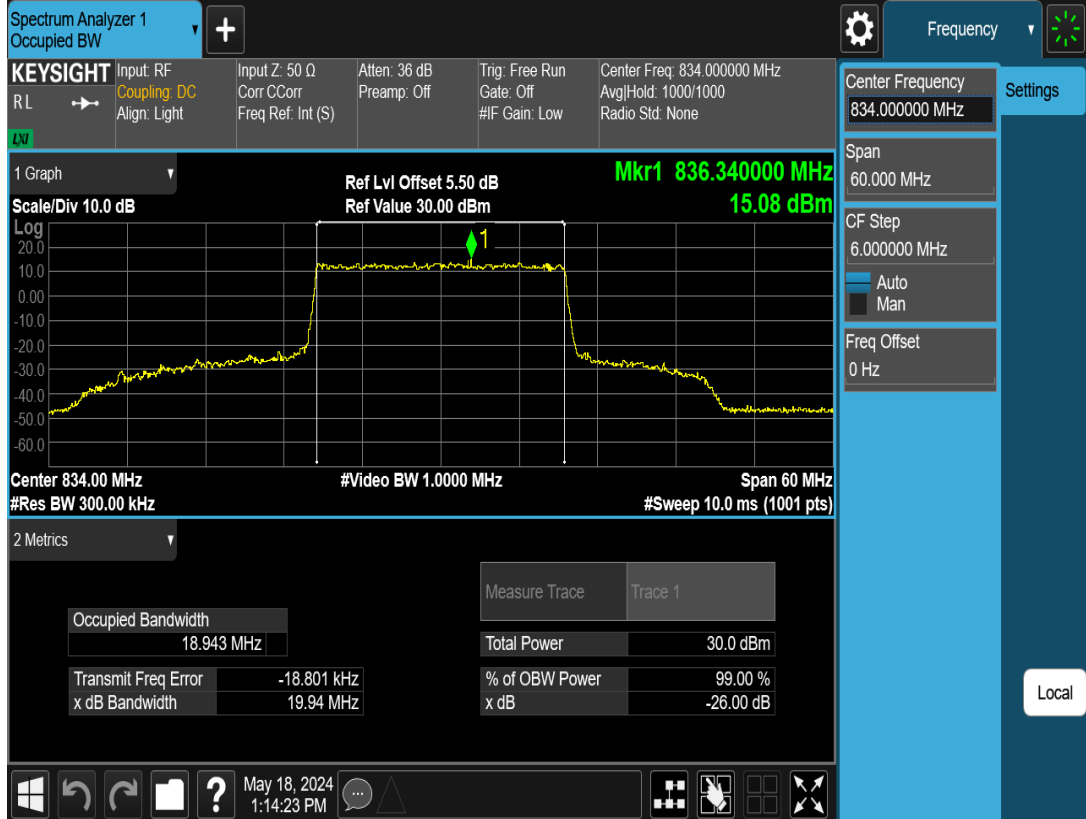
Measure Trace		Trace 1	
Occupied Bandwidth	18.873 MHz	Total Power	30.6 dBm
Transmit Freq Error	-21.096 kHz	% of OBW Power	99.00 %
x dB Bandwidth	19.99 MHz	x dB	-26.00 dB

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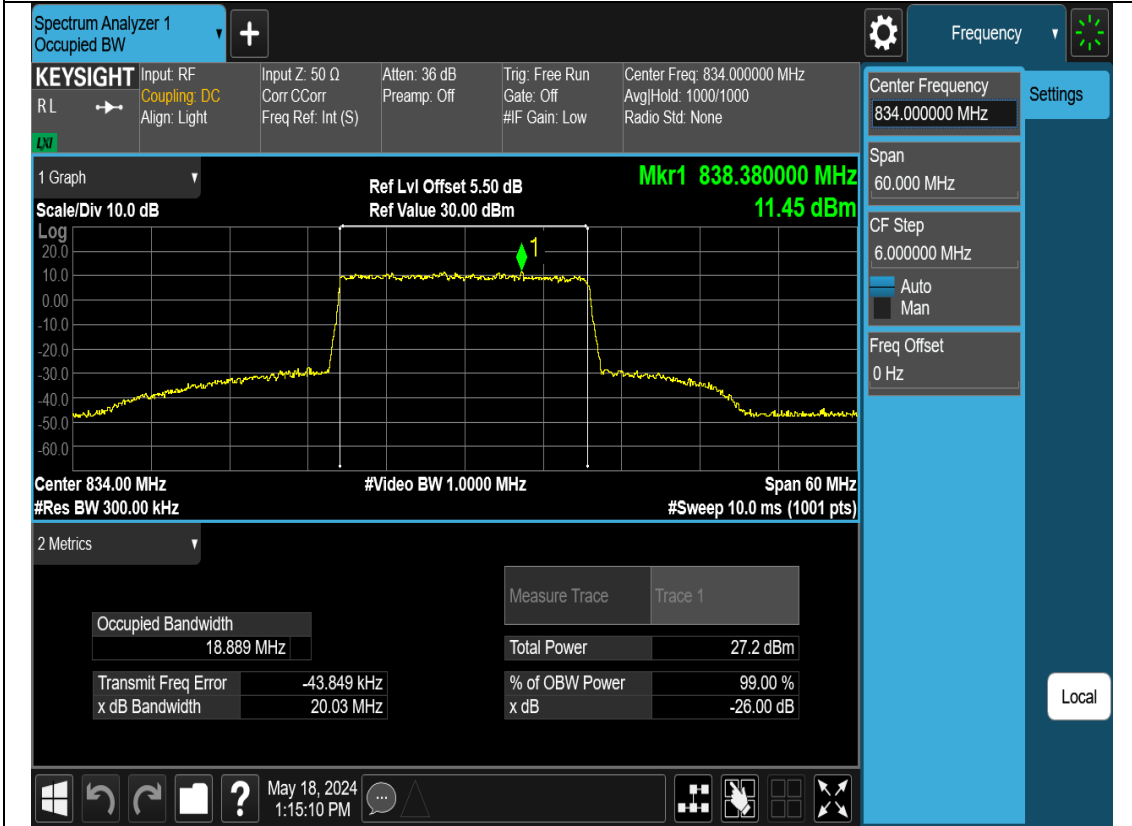
N5-20M-OBW-L-CP-OFDM-16QAM



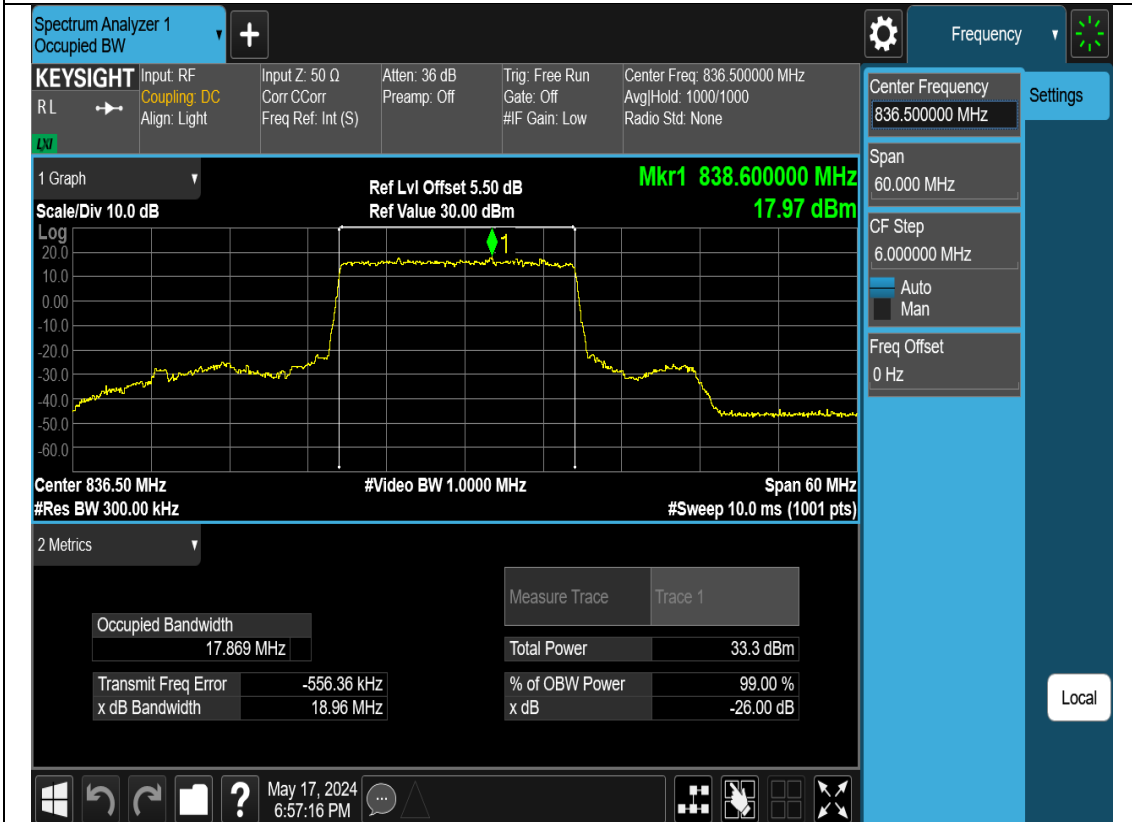
N5-20M-OBW-L-CP-OFDM-64QAM



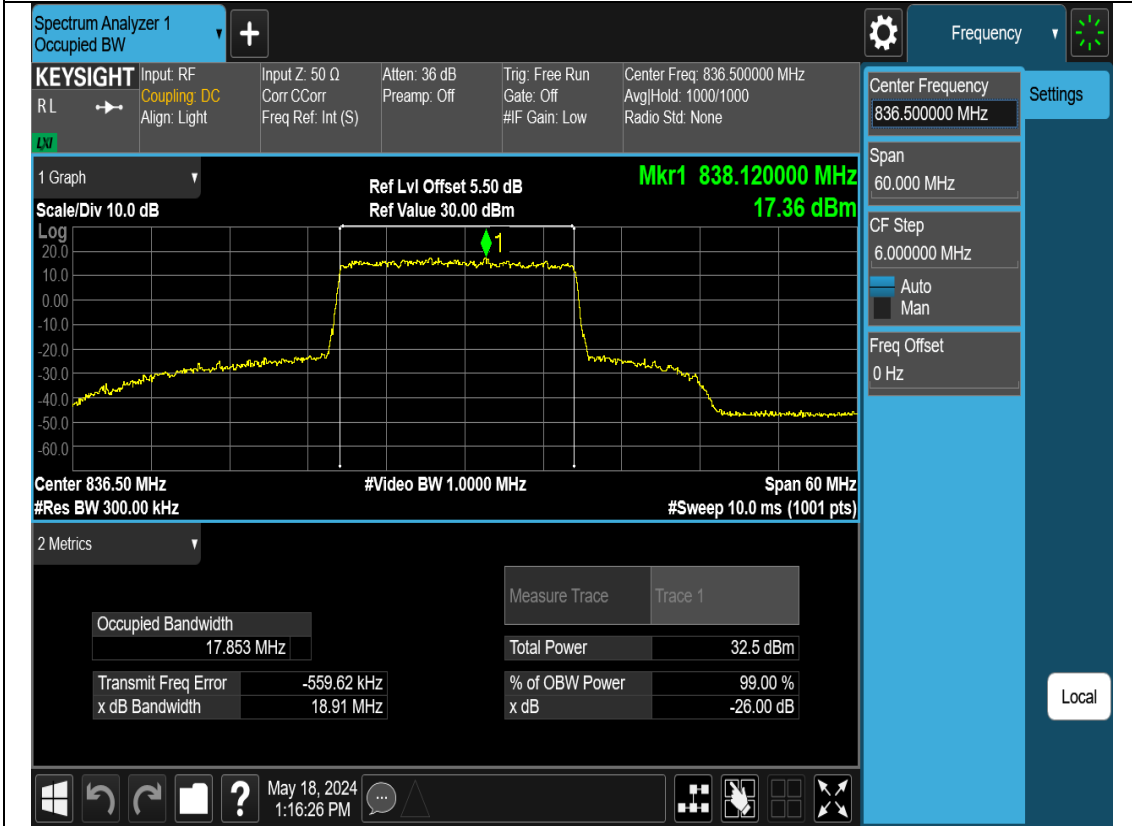
N5-20M-OBW-L-CP-OFDM-256QAM



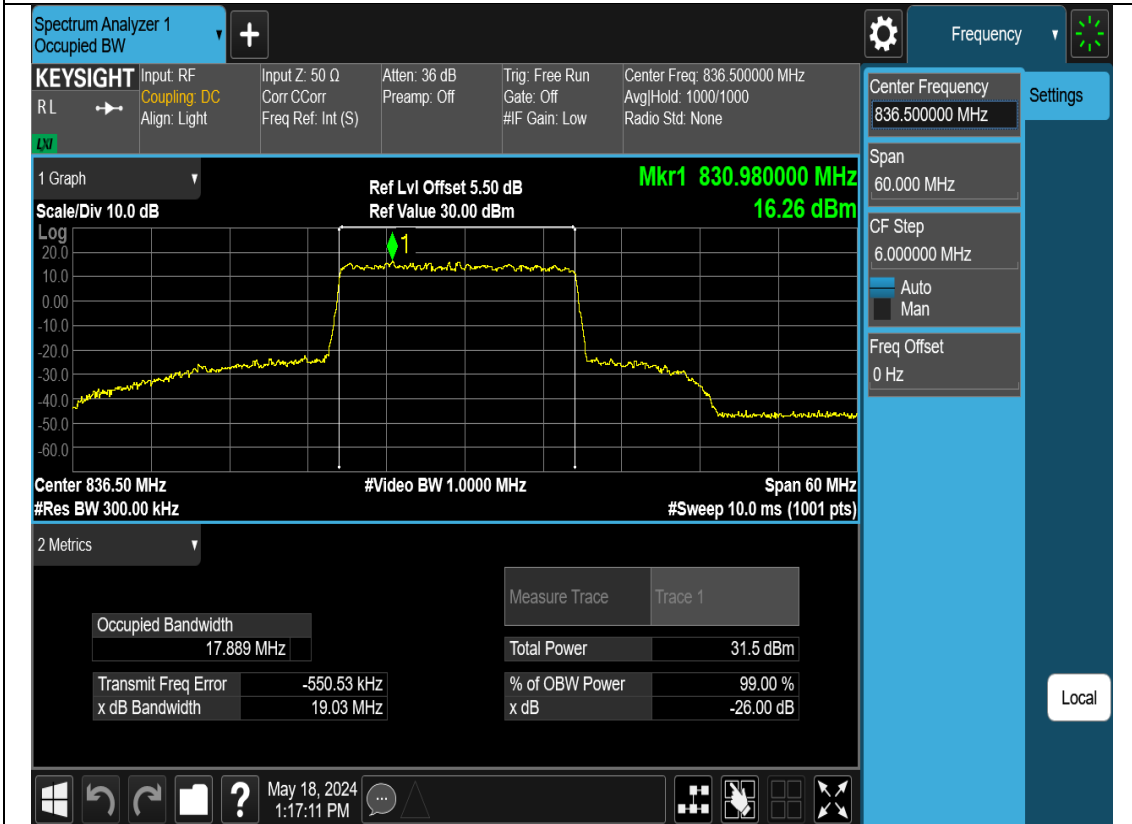
N5-20M-OBW-M-DFT-s-OFDM-Pi2 BPSK



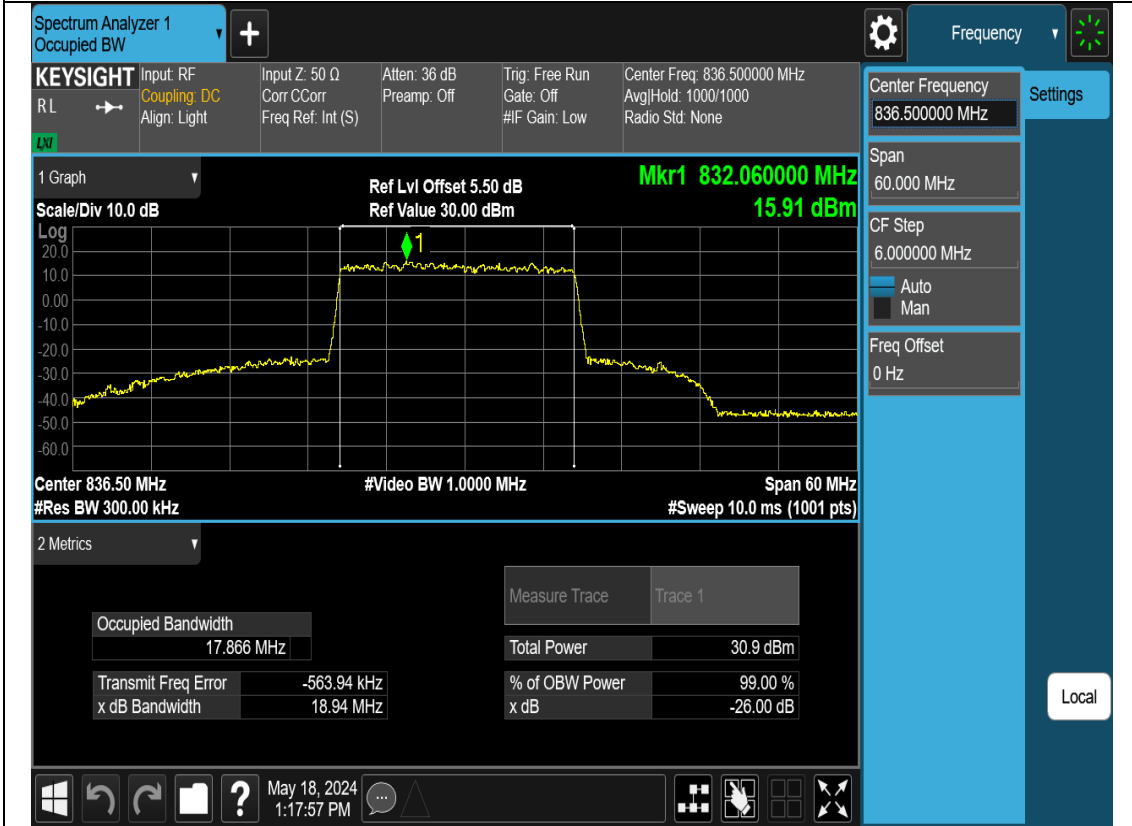
N5-20M-OBW-M-DFT-s-OFDM-QPSK



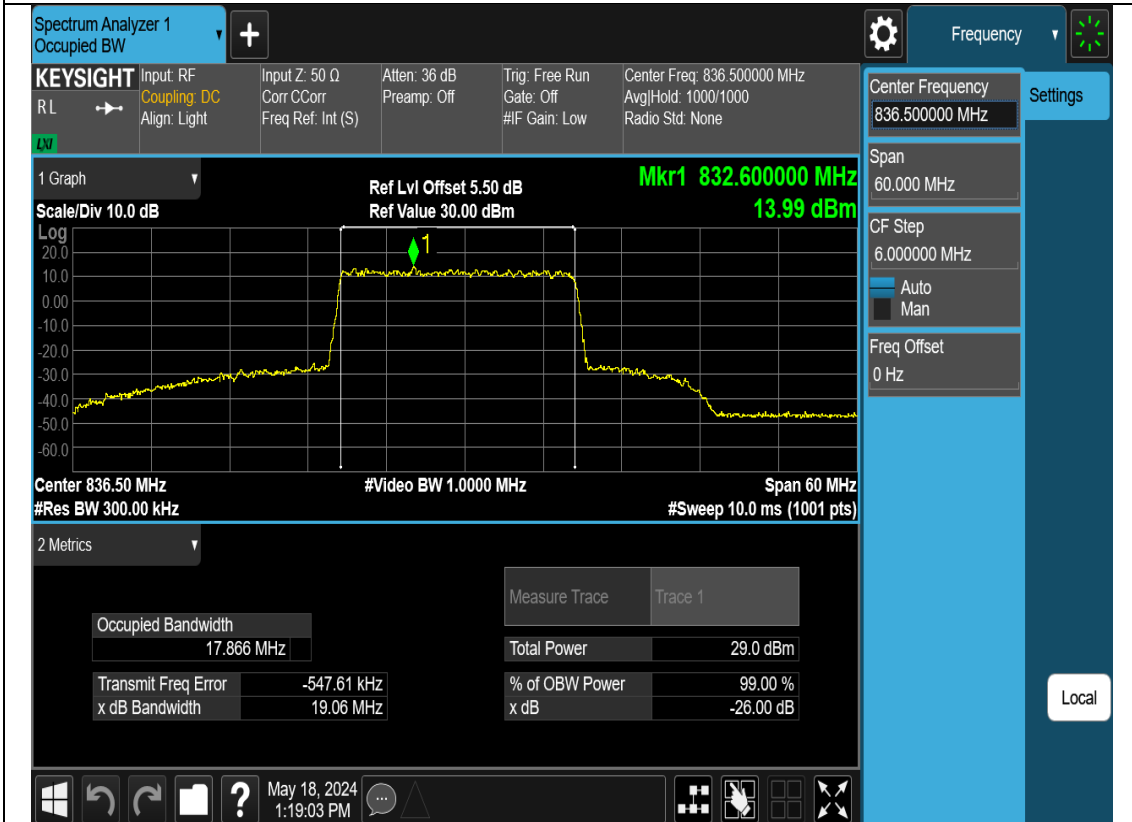
N5-20M-OBW-M-DFT-s-OFDM-16QAM



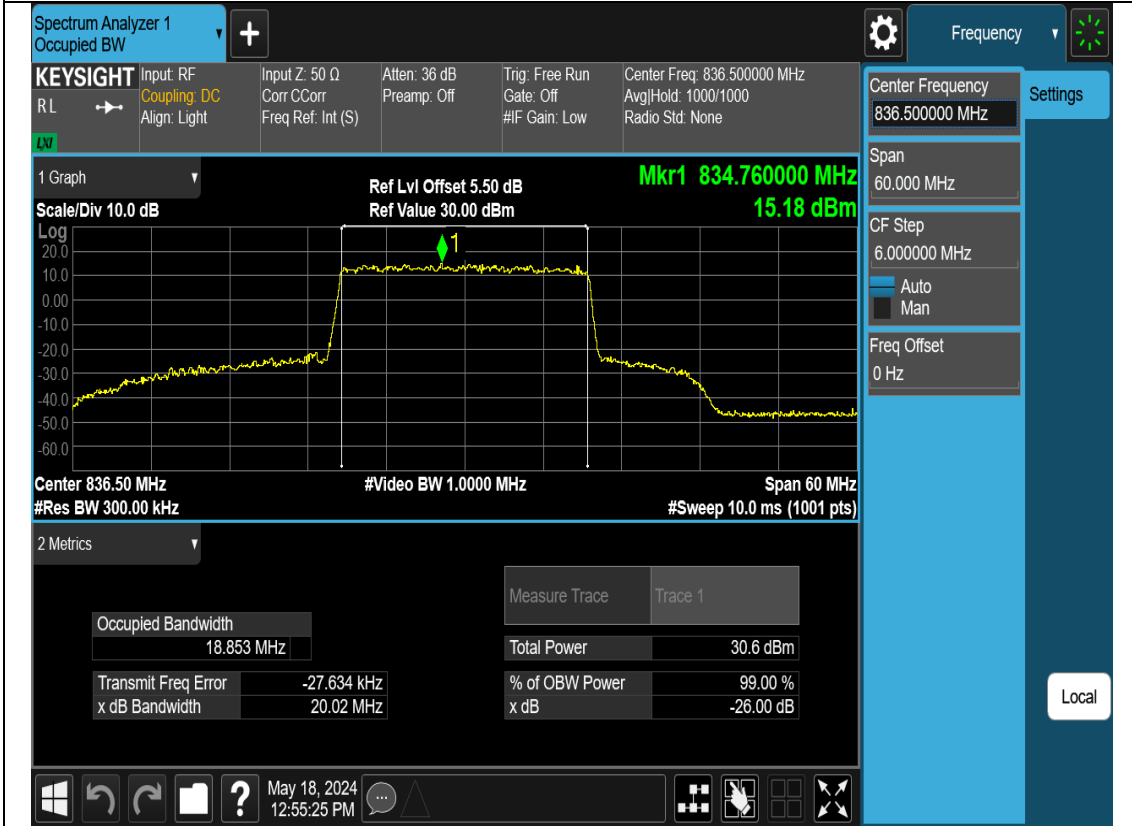
N5-20M-OBW-M-DFT-s-OFDM-64QAM



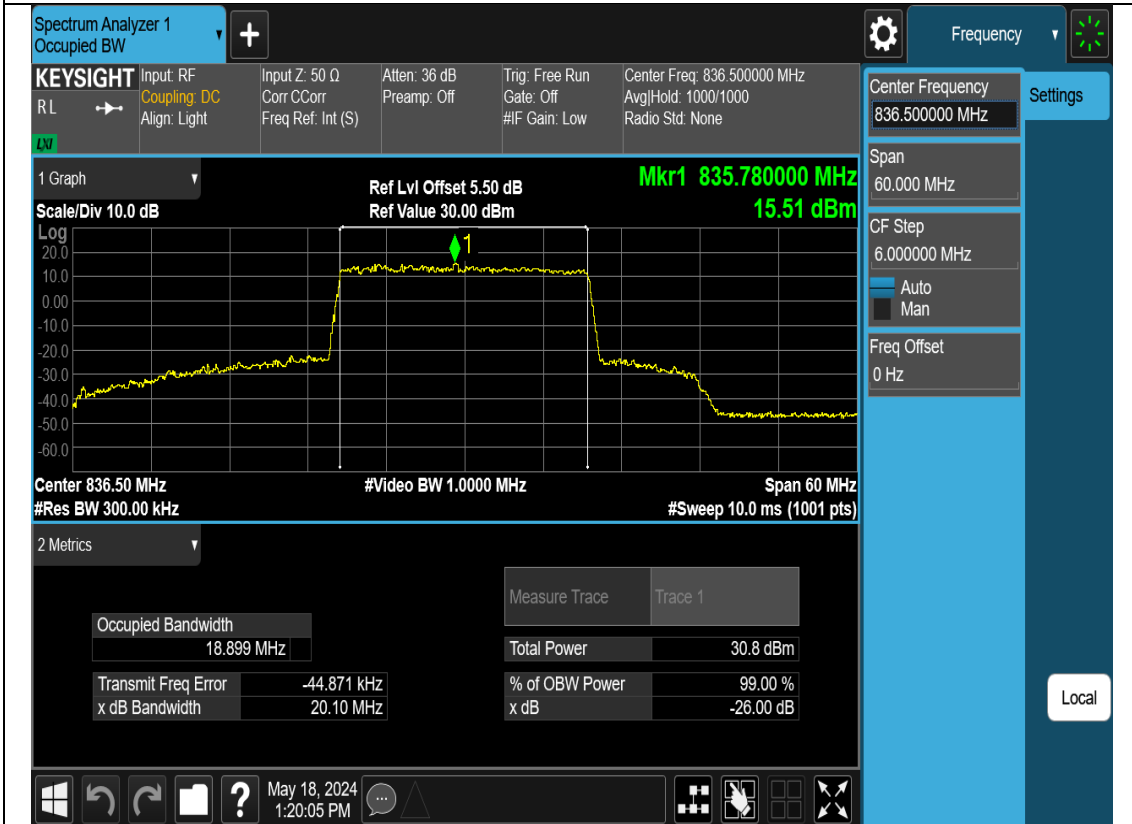
N5-20M-OBW-M-DFT-s-OFDM-256QAM



N5-20M-OBW-M-CP-OFDM-QPSK



N5-20M-OBW-M-CP-OFDM-16QAM



N5-20M-OBW-M-CP-OFDM-64QAM

Spectrum Analyzer 1
Occupied BW

KEYSIGHT Input RF
RL Coupling: DC
Align: Light

Input Z: 50 Ω
Corr C: Corr
Freq Ref: Int (S)

Atten: 36 dB
Preamp: Off

Trig: Free Run
Gate: Off
#F Gain: Low

Center Freq: 836.500000 MHz
Avg/Hold: 1000/1000
Radio Std: None

Center Frequency: 836.500000 MHz
Span: 60.000 MHz
CF Step: 6.000000 MHz
Auto Man
Freq Offset: 0 Hz

1 Graph
Scale/Div 10.0 dB
Log
Ref Lvl Offset 5.50 dB
Ref Value 30.00 dBm
Mkr1 838.720000 MHz
15.41 dBm

Center 836.50 MHz
#Res BW 300.00 kHz
#Video BW 1.0000 MHz
Span 60 MHz
#Sweep 10.0 ms (1001 pts)

2 Metrics

Measure Trace		Trace 1	
Occupied Bandwidth	18.881 MHz	Total Power	30.1 dBm
Transmit Freq Error	-5.191 kHz	% of OBW Power	99.00 %
x dB Bandwidth	20.00 MHz	x dB	-26.00 dB

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N5-20M-OBW-M-CP-OFDM-256QAM

Spectrum Analyzer 1
Occupied BW

KEYSIGHT Input RF
RL Coupling: DC
Align: Light

Input Z: 50 Ω
Corr C: Corr
Freq Ref: Int (S)

Atten: 36 dB
Preamp: Off

Trig: Free Run
Gate: Off
#F Gain: Low

Center Freq: 836.500000 MHz
Avg/Hold: 1000/1000
Radio Std: None

Center Frequency: 836.500000 MHz
Span: 60.000 MHz
CF Step: 6.000000 MHz
Auto Man
Freq Offset: 0 Hz

1 Graph
Scale/Div 10.0 dB
Log
Ref Lvl Offset 5.50 dB
Ref Value 30.00 dBm
Mkr1 834.880000 MHz
11.24 dBm

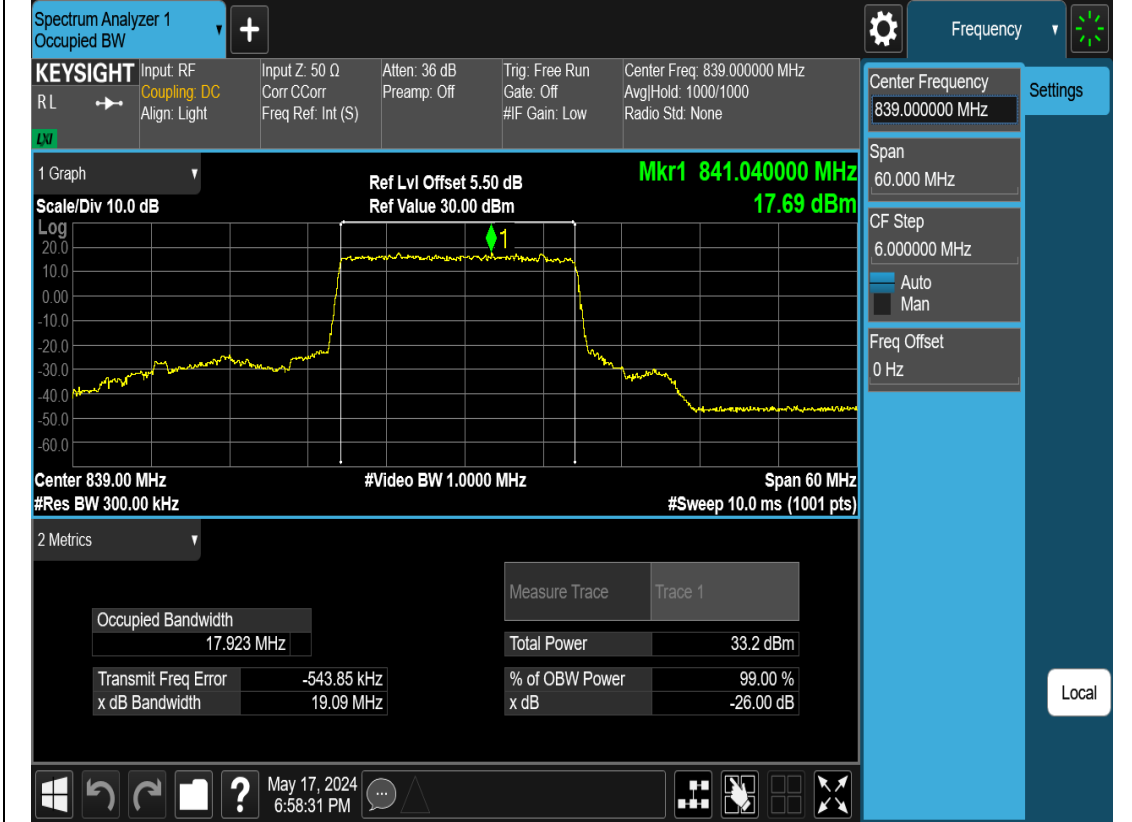
Center 836.50 MHz
#Res BW 300.00 kHz
#Video BW 1.0000 MHz
Span 60 MHz
#Sweep 10.0 ms (1001 pts)

2 Metrics

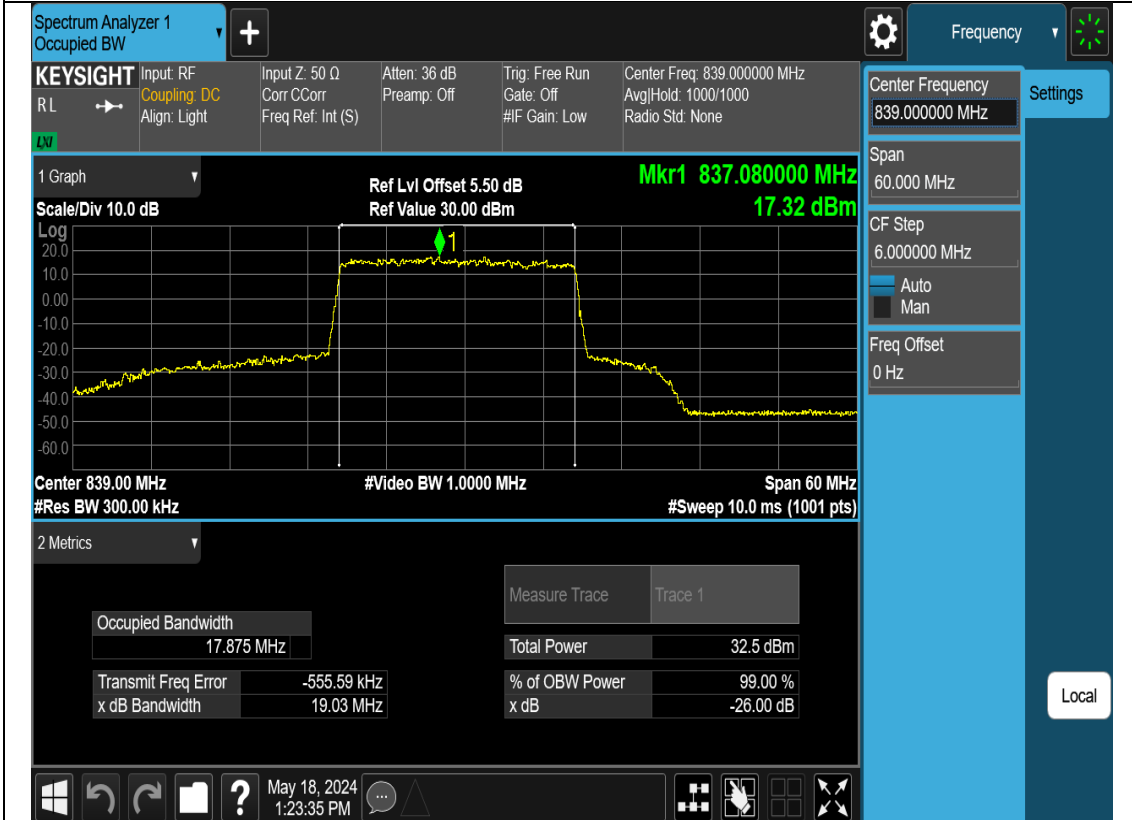
Measure Trace		Trace 1	
Occupied Bandwidth	18.891 MHz	Total Power	27.1 dBm
Transmit Freq Error	-8.599 kHz	% of OBW Power	99.00 %
x dB Bandwidth	19.99 MHz	x dB	-26.00 dB

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N5-20M-OBW-H-DFT-s-OFDM-Pi2 BPSK



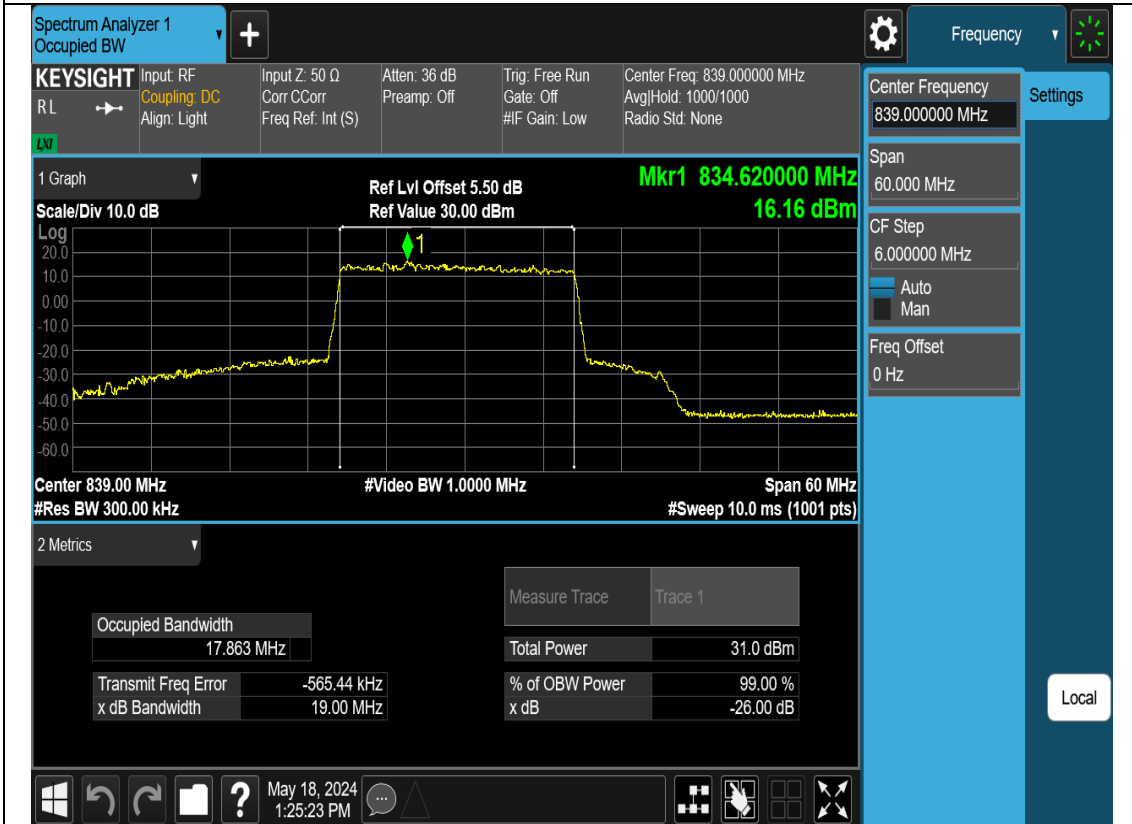
N5-20M-OBW-H-DFT-s-OFDM-QPSK



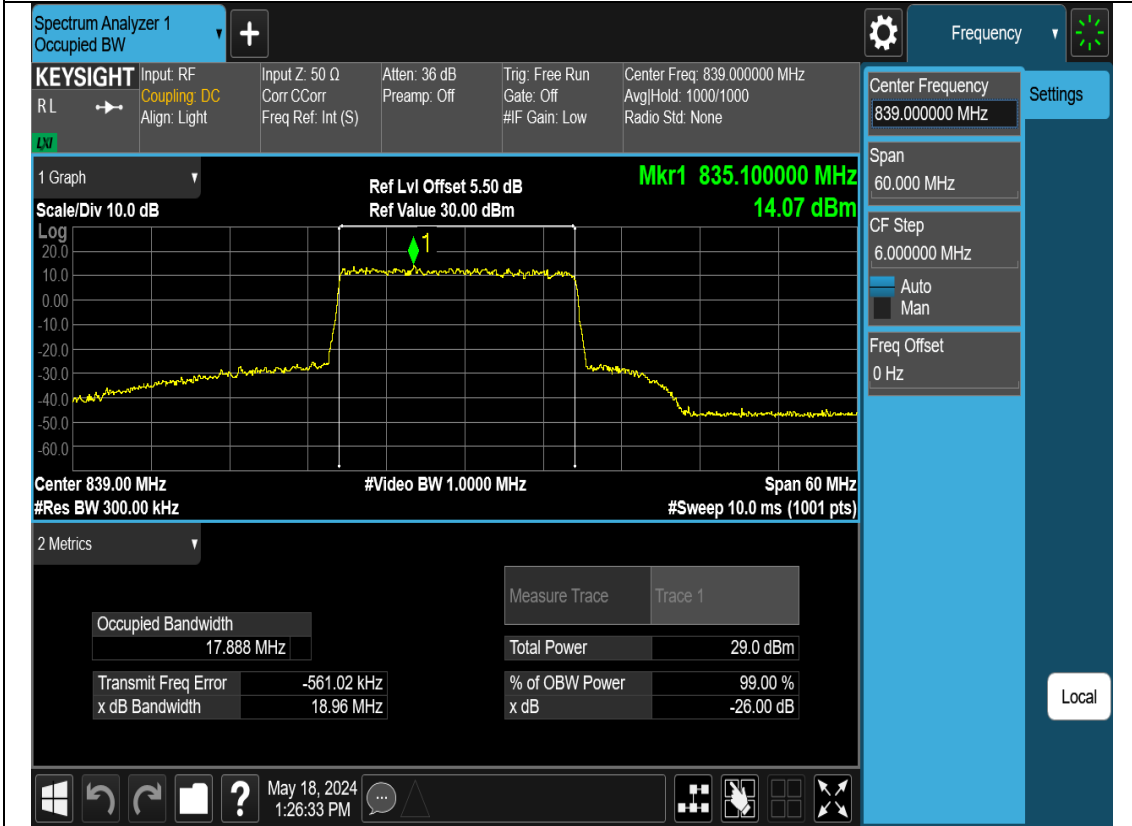
N5-20M-OBW-H-DFT-s-OFDM-16QAM



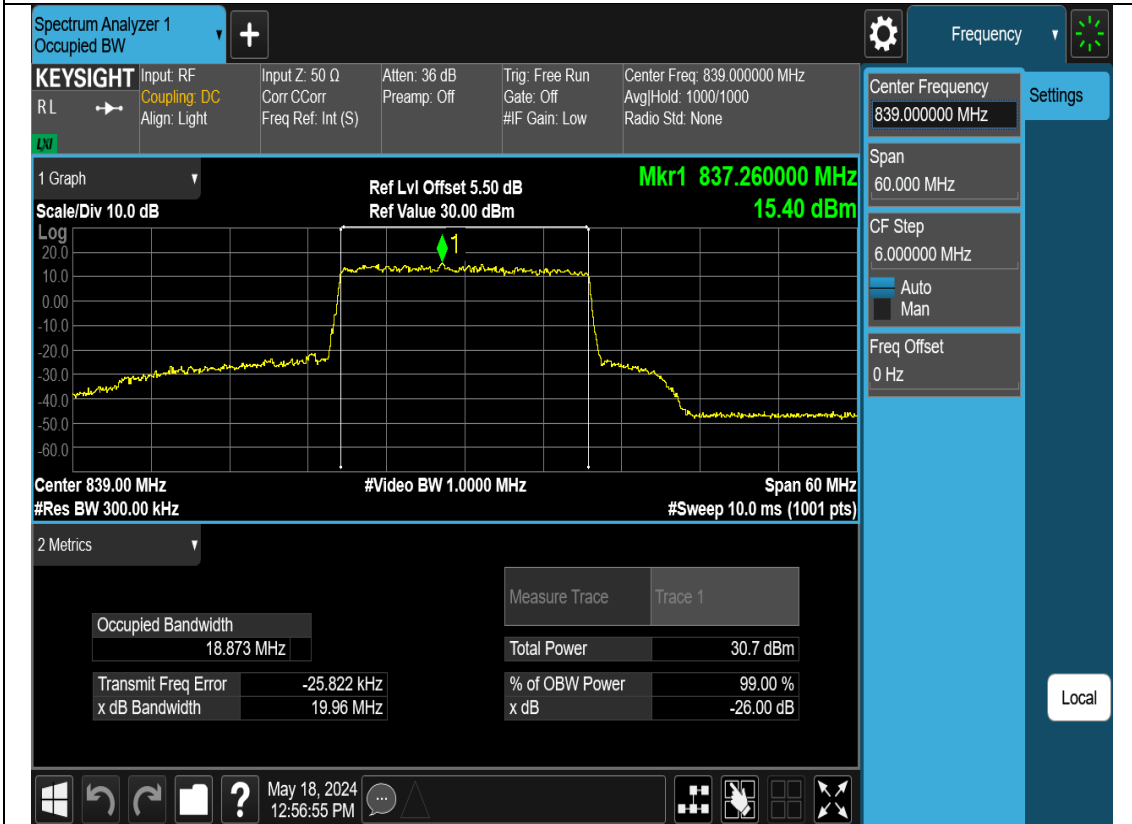
N5-20M-OBW-H-DFT-s-OFDM-64QAM



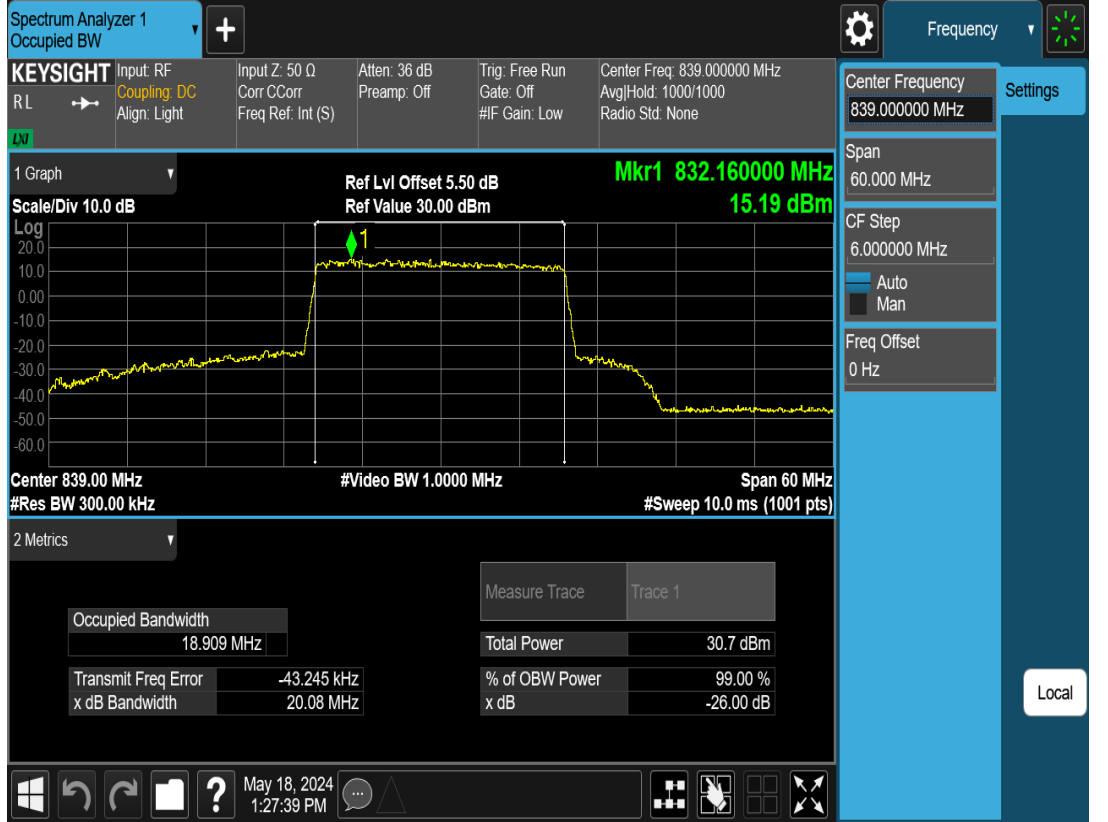
N5-20M-OBW-H-DFT-s-OFDM-256QAM



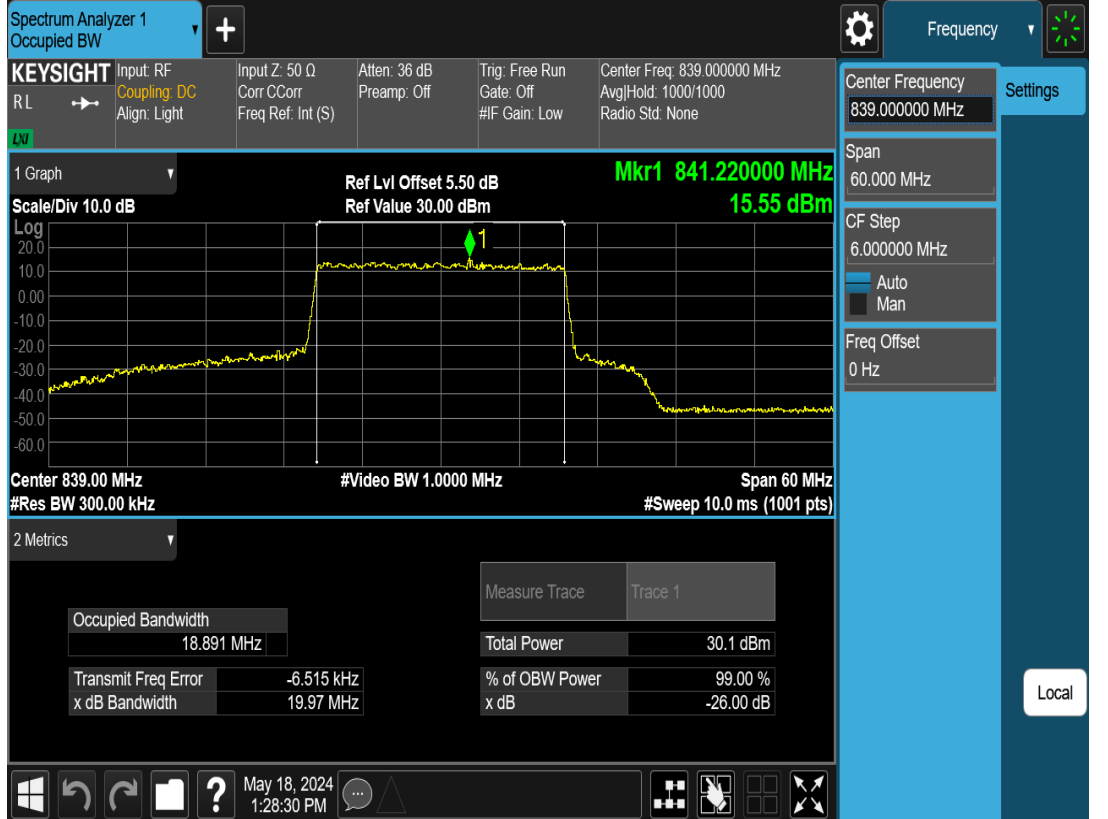
N5-20M-OBW-H-CP-OFDM-QPSK



N5-20M-OBW-H-CP-OFDM-16QAM



N5-20M-OBW-H-CP-OFDM-64QAM



N5-20M-OBW-H-CP-OFDM-256QAM

Spectrum Analyzer 1
Occupied BW

KEYSIGHT
RL

Input RF
Coupling: DC
Align: Light

Input Z: 50 Ω
Corr: CCorr
Freq Ref: Int (S)

Atten: 36 dB
Preamp: Off

Trig: Free Run
Gate: Off
#IF Gain: Low

Center Freq: 839.000000 MHz
Avg/Hold: 1000/1000
Radio Std: None



Frequency



Center Frequency
839.000000 MHz

Settings

Span
60.000 MHz

CF Step
6.000000 MHz

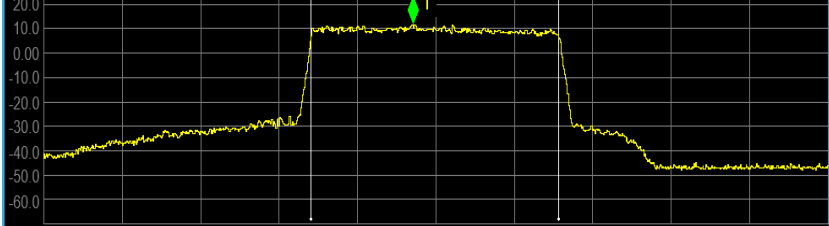
Auto
Man

Freq Offset
0 Hz

1 Graph

Scale/Div 10.0 dB

Log



Ref Lvl Offset 5.50 dB
Ref Value 30.00 dBm

Mkr1 837.260000 MHz
11.71 dBm

Center 839.00 MHz
#Res BW 300.00 kHz

#Video BW 1.0000 MHz

Span 60 MHz
#Sweep 10.0 ms (1001 pts)

2 Metrics

Occupied Bandwidth
18.897 MHz

Transmit Freq Error -41.992 kHz
x dB Bandwidth 20.09 MHz

Measure Trace	Trace 1
Total Power	27.2 dBm
% of OBW Power x dB	99.00 % -26.00 dB

Local

Peak-Average Ratio

Test Result

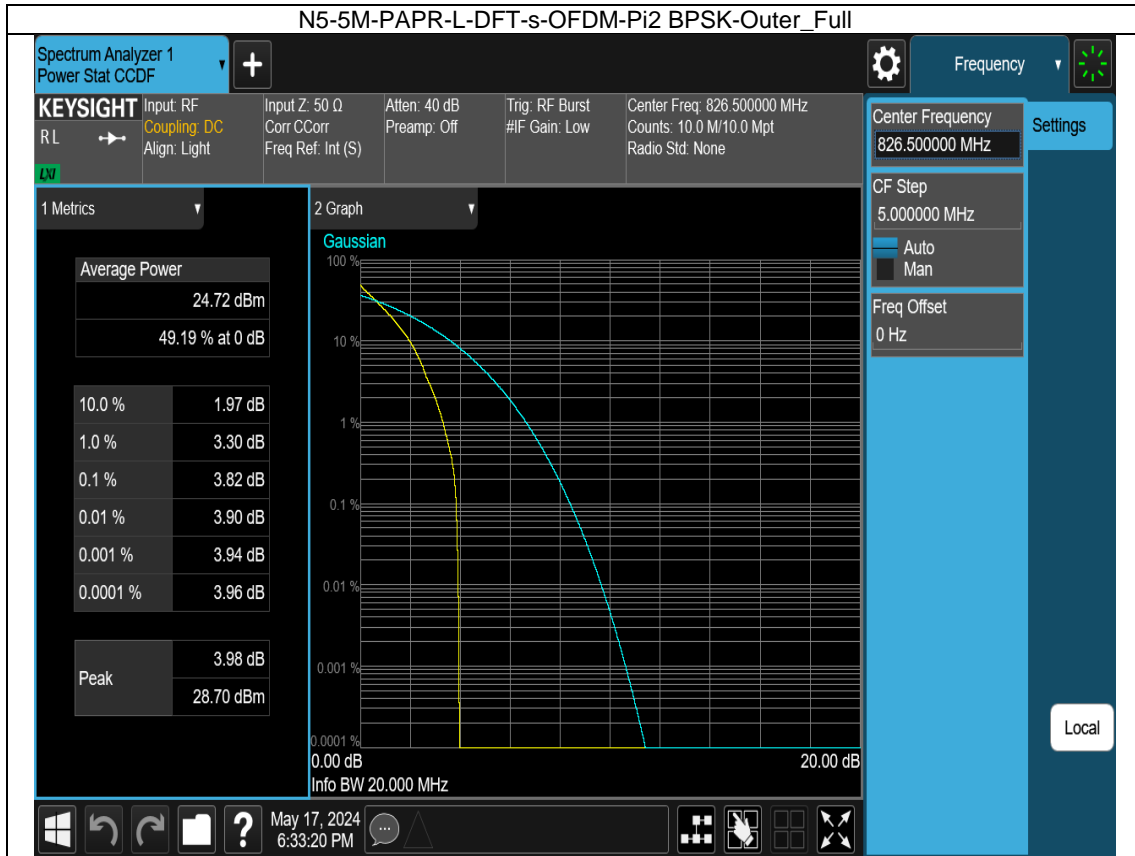
5G NR n5 SCS=15kHz 5MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	3.82	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.37	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.23	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.54	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.73	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.61	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.96	<=13	Pass
CP-OFDM 64QAM		Outer_Full	7.07	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.87	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	3.73	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.35	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.16	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.47	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.69	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.57	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.47	<=13	Pass
CP-OFDM 64QAM		Outer_Full	8.40	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.78	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	4.13	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.42	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.27	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.85	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.71	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.07	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.12	<=13	Pass
CP-OFDM 64QAM		Outer_Full	7.91	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.89	<=13	Pass

5G NR n5 SCS=15kHz 10MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	5.43	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.48	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.27	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.63	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.71	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.06	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.48	<=13	Pass
CP-OFDM 64QAM		Outer_Full	8.46	<=13	Pass
CP-OFDM 256QAM		Outer_Full	7.56	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	5.39	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	6.26	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.57	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.62	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	8.53	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.49	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.09	<=13	Pass
CP-OFDM 64QAM		Outer_Full	8.57	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.01	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	5.62	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.66	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.47	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.66	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.70	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.15	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.23	<=13	Pass
CP-OFDM 64QAM		Outer_Full	7.73	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.64	<=13	Pass

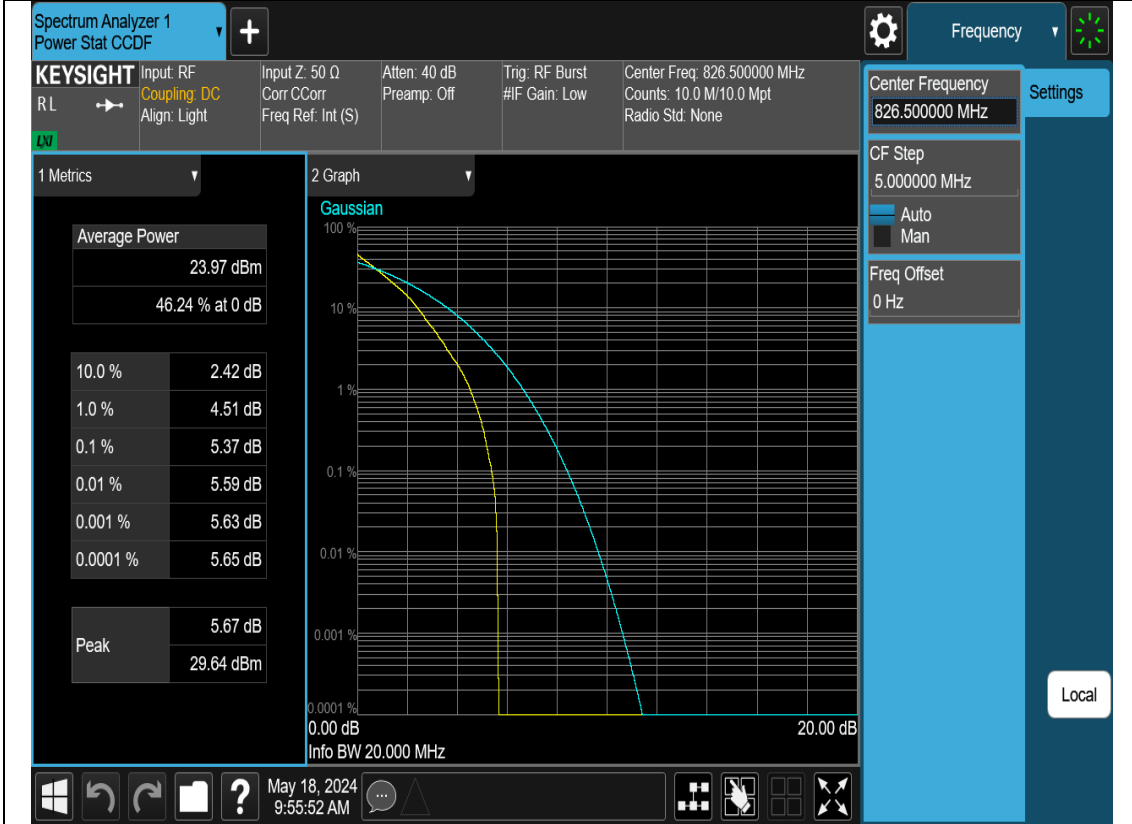
5G NR n5 SCS=15kHz 15MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	3.90	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.51	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.31	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.60	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.80	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.13	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.57	<=13	Pass
CP-OFDM 64QAM		Outer_Full	8.47	<=13	Pass
CP-OFDM 256QAM		Outer_Full	7.65	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	3.83	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.48	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.30	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.58	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.78	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.55	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.60	<=13	Pass
CP-OFDM 64QAM		Outer_Full	7.12	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.42	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	4.39	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.69	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.38	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.65	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.79	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.40	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.43	<=13	Pass
CP-OFDM 64QAM		Outer_Full	7.87	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.34	<=13	Pass

5G NR n5 SCS=15kHz 20MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	4.32	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	5.40	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.23	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.50	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.80	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.16	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.44	<=13	Pass
CP-OFDM 64QAM		Outer_Full	8.47	<=13	Pass
CP-OFDM 256QAM		Outer_Full	7.58	<=13	Pass
DFT-s-OFDM PI/2 BPSK		Middle CH	Outer_Full	4.32	<=13
DFT-s-OFDM QPSK	Outer_Full		5.37	<=13	Pass
DFT-s-OFDM 16QAM	Outer_Full		6.26	<=13	Pass
DFT-s-OFDM 64QAM	Outer_Full		6.50	<=13	Pass
DFT-s-OFDM 256QAM	Outer_Full		6.78	<=13	Pass
CP-OFDM QPSK	Outer_Full		7.36	<=13	Pass
CP-OFDM 16QAM	Outer_Full		7.57	<=13	Pass
CP-OFDM 64QAM	Outer_Full		8.03	<=13	Pass
CP-OFDM 256QAM	Outer_Full		8.49	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High CH		Outer_Full	4.34	<=13
DFT-s-OFDM QPSK		Outer_Full	5.30	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	6.23	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.44	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.78	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.31	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.44	<=13	Pass
CP-OFDM 64QAM		Outer_Full	7.92	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.41	<=13	Pass

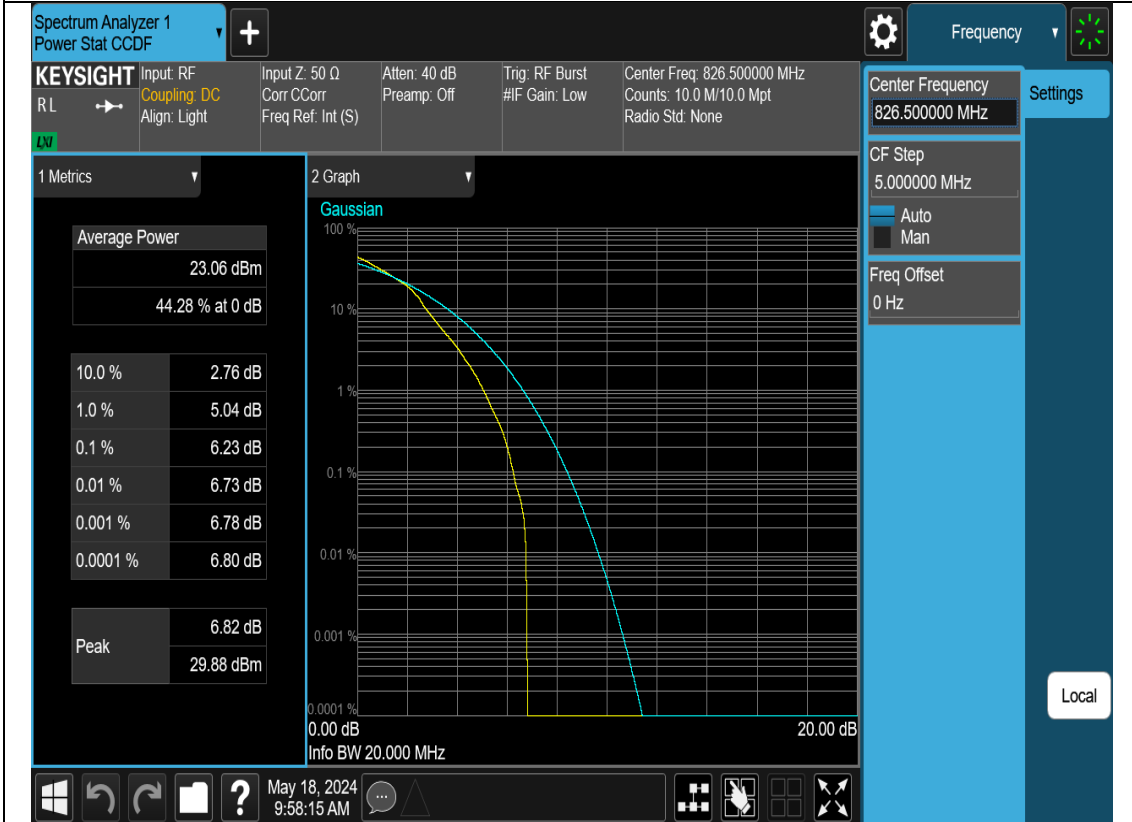
Test Graph



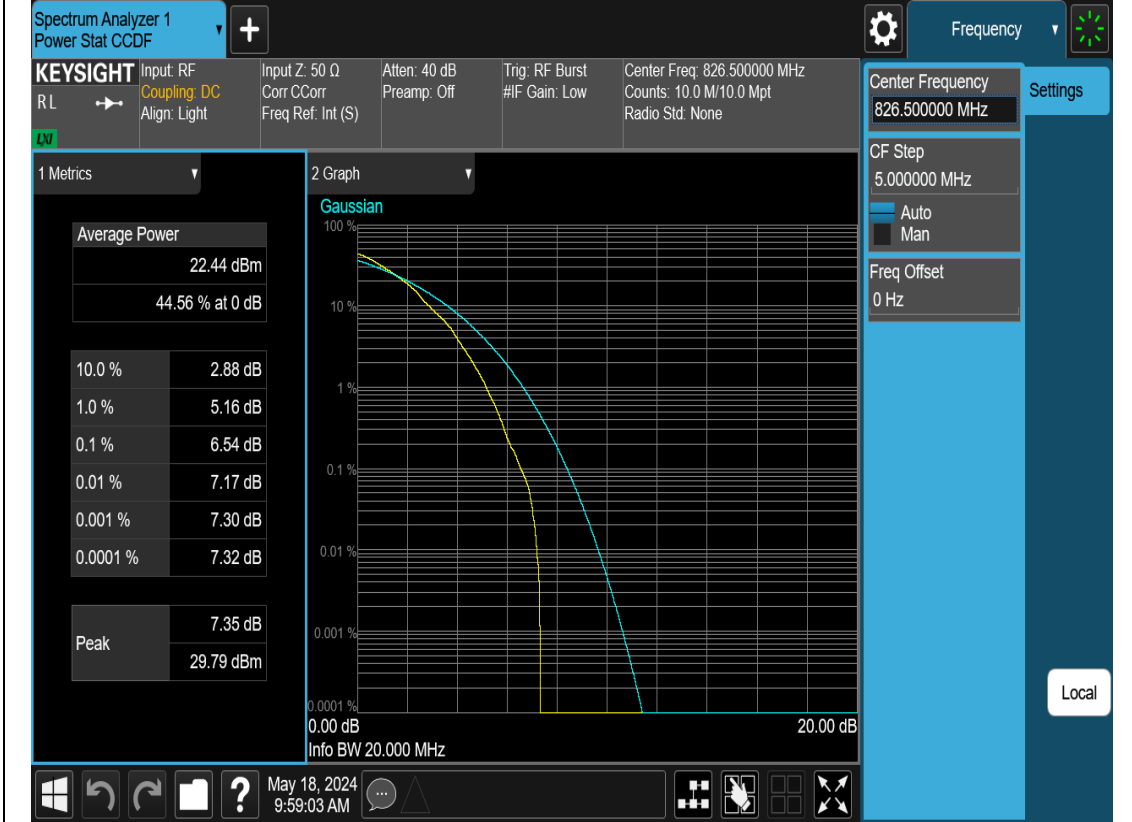
N5-5M-PAPR-L-DFT-s-OFDM-QPSK-Outer_Full



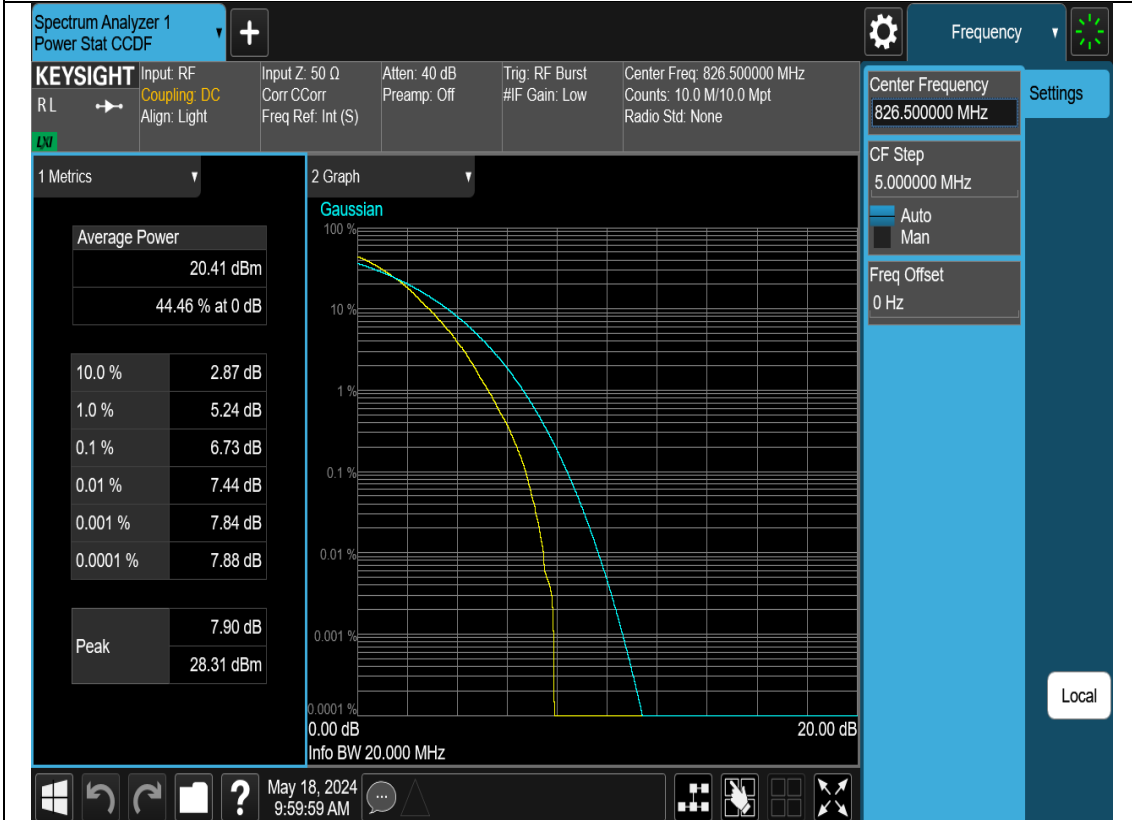
N5-5M-PAPR-L-DFT-s-OFDM-16QAM-Outer_Full



N5-5M-PAPR-L-DFT-s-OFDM-64QAM-Outer_Full



N5-5M-PAPR-L-DFT-s-OFDM-256QAM-Outer_Full



N5-5M-PAPR-L-CP-OFDM-QPSK-Outer_Full

Spectrum Analyzer 1
Power Stat CCDF

KEYSIGHT Input RF
RL Coupling: DC
Align: Auto

Input Z: 50 Ω
Corr: CCorr
Freq Ref: Int (S)

Atten: 40 dB
Preamp: Off

Trig: RF Burst
#IF Gain: Low

Center Freq: 826.500000 MHz
Counts: 10.0 M/10.0 Mpt
Radio Std: None

Center Frequency: 826.500000 MHz
CF Step: 5.000000 MHz
Freq Offset: 0 Hz

1 Metrics

Average Power
22.06 dBm
35.79 % at 0 dB

10.0 %	3.70 dB
1.0 %	6.73 dB
0.1 %	7.61 dB
0.01 %	7.73 dB
0.001 %	7.77 dB
0.0001 %	7.79 dB

Peak
7.87 dB
29.93 dBm

2 Graph
Gaussian

0.0001 %
0.001 %
0.01 %
0.1 %
1 %
10 %
100 %

0.00 dB
20.00 dB

Info BW 20.000 MHz

May 18, 2024 2:43:12 PM

Local

N5-5M-PAPR-L-CP-OFDM-16QAM-Outer_Full

Spectrum Analyzer 1
Power Stat CCDF

KEYSIGHT Input RF
RL Coupling: DC
Align: Light

Input Z: 50 Ω
Corr: CCorr
Freq Ref: Int (S)

Atten: 40 dB
Preamp: Off

Trig: RF Burst
#IF Gain: Low

Center Freq: 826.500000 MHz
Counts: 10.0 M/10.0 Mpt
Radio Std: None

Center Frequency: 826.500000 MHz
CF Step: 5.000000 MHz
Freq Offset: 0 Hz

1 Metrics

Average Power
21.69 dBm
35.95 % at 0 dB

10.0 %	3.81 dB
1.0 %	6.96 dB
0.1 %	7.96 dB
0.01 %	8.05 dB
0.001 %	8.07 dB
0.0001 %	8.09 dB

Peak
8.45 dB
30.14 dBm

2 Graph
Gaussian

0.0001 %
0.001 %
0.01 %
0.1 %
1 %
10 %
100 %

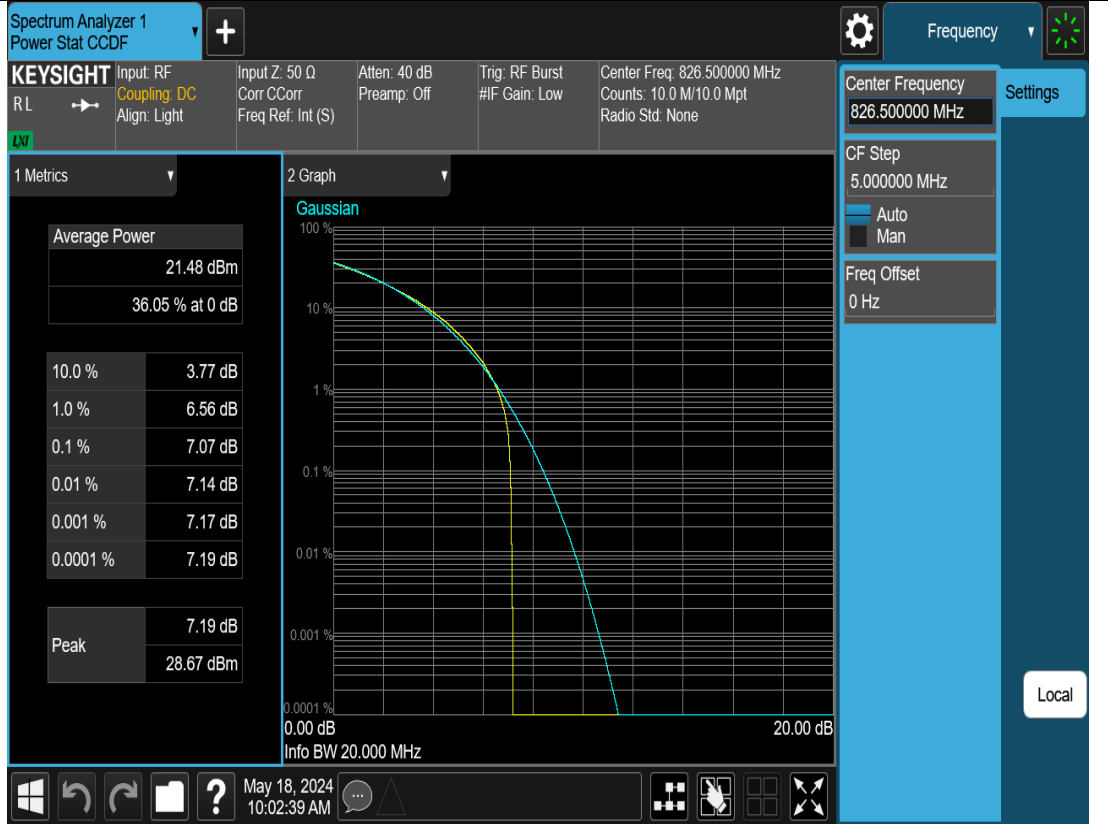
0.00 dB
20.00 dB

Info BW 20.000 MHz

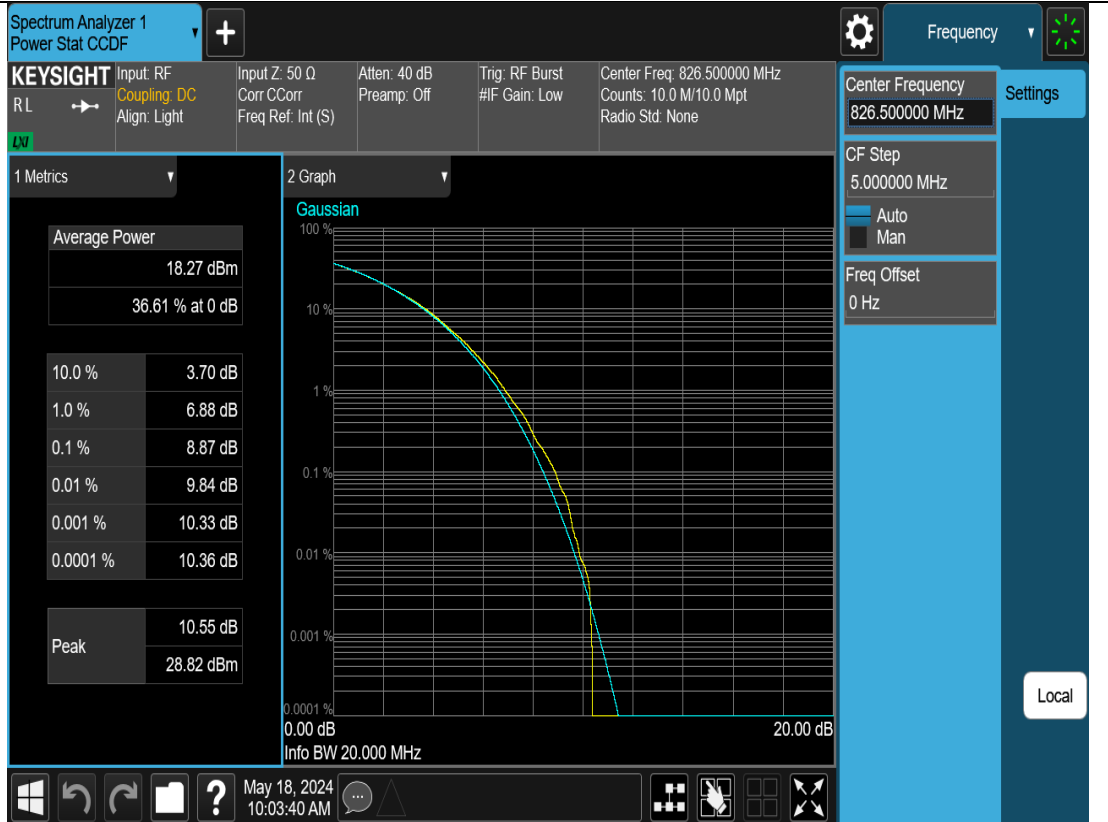
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Local

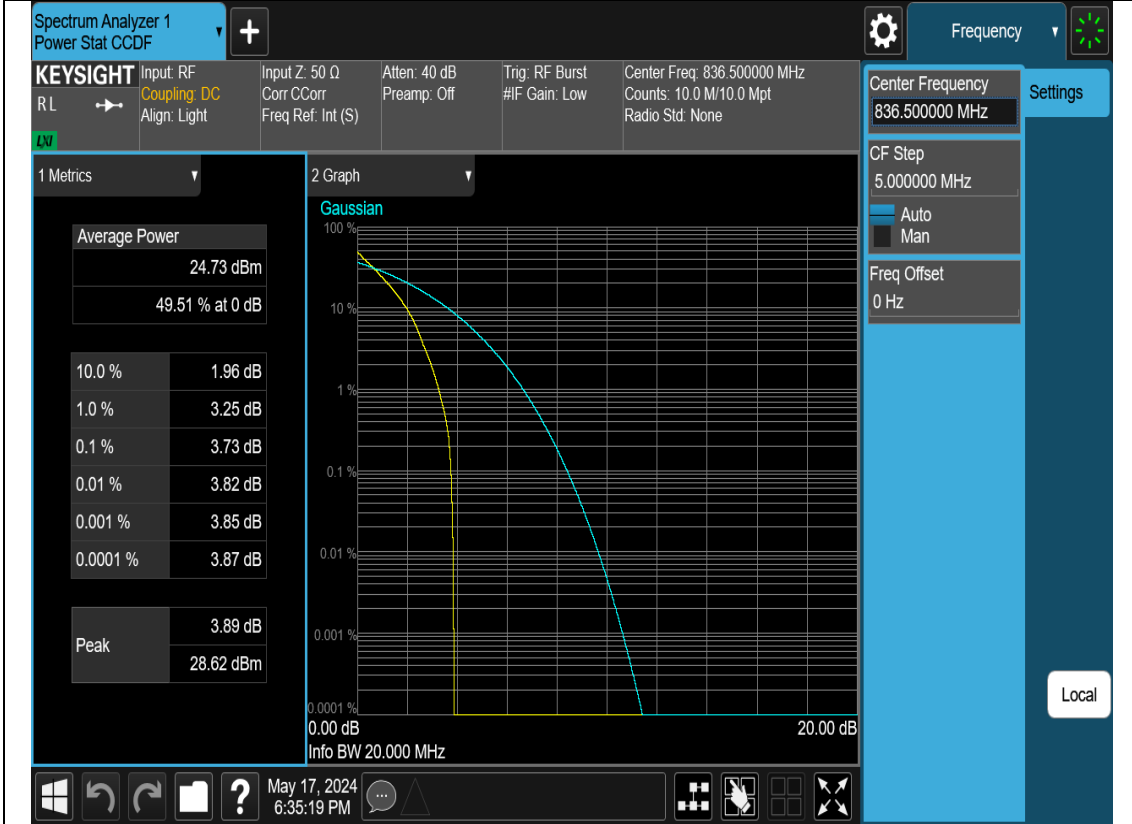
N5-5M-PAPR-L-CP-OFDM-64QAM-Outer_Full



N5-5M-PAPR-L-CP-OFDM-256QAM-Outer_Full



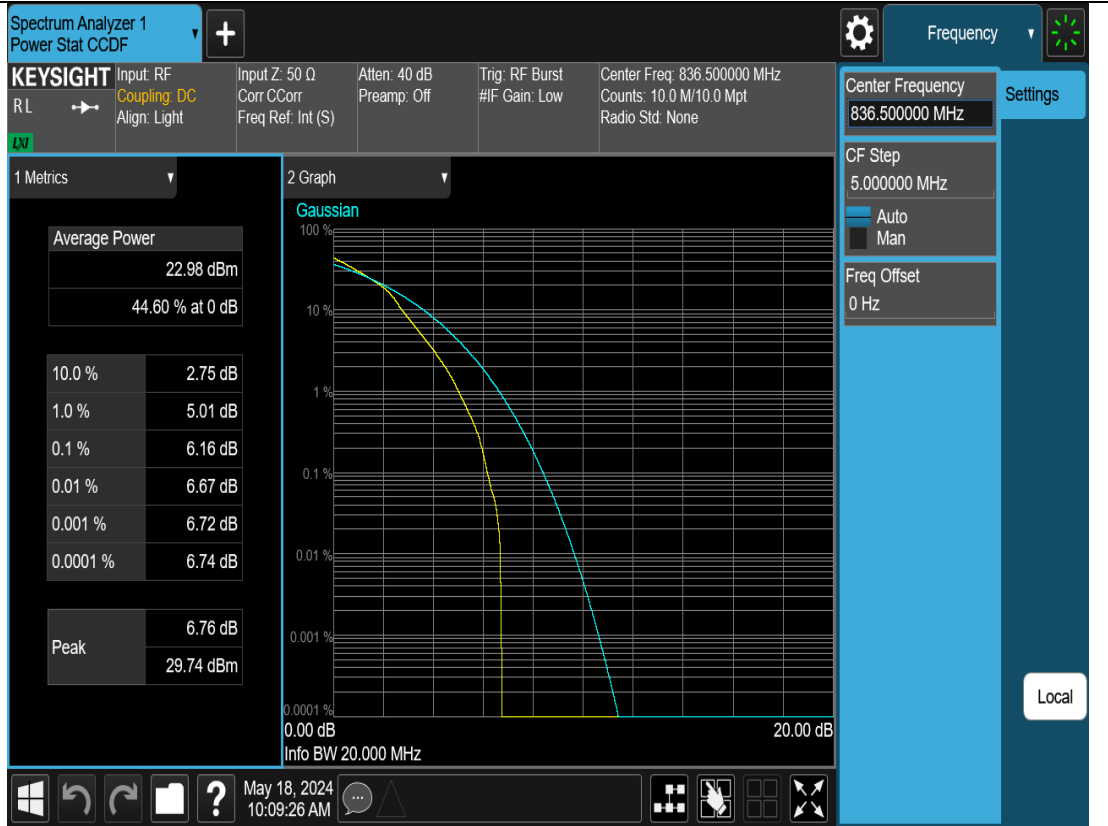
N5-5M-PAPR-M-DFT-s-OFDM-Pi2 BPSK-Outer_Full



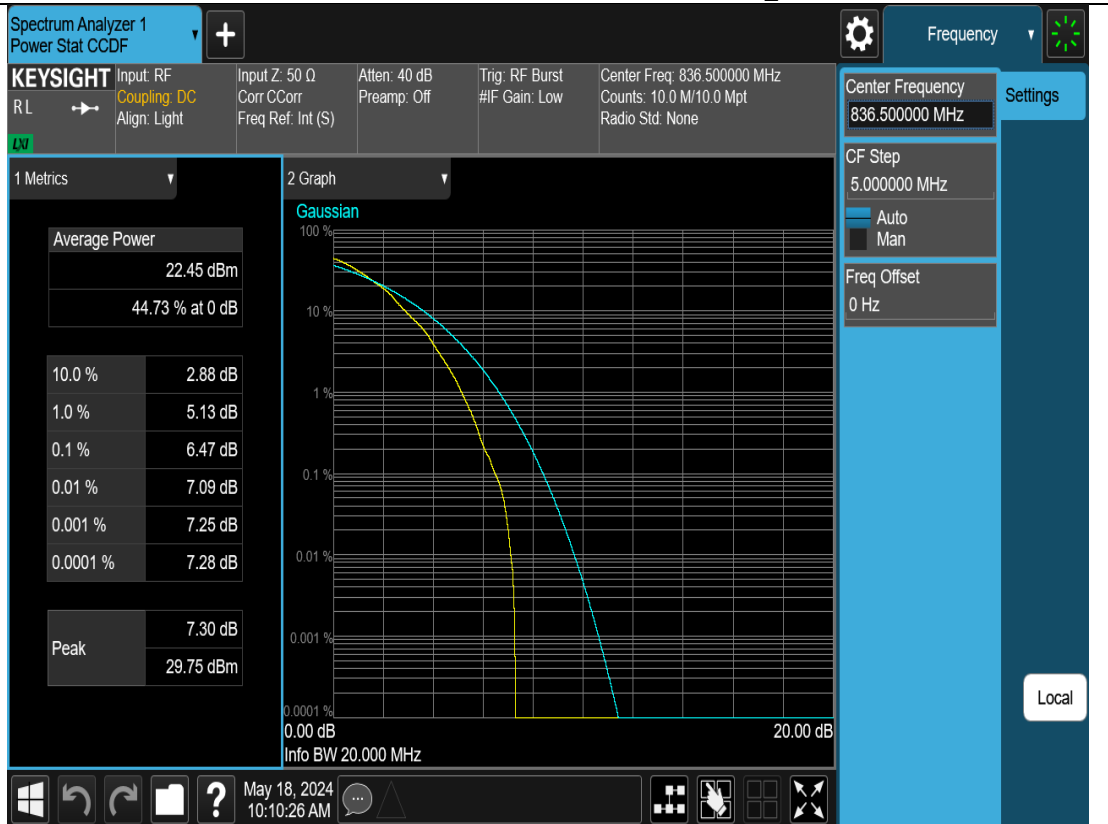
N5-5M-PAPR-M-DFT-s-OFDM-QPSK-Outer_Full



N5-5M-PAPR-M-DFT-s-OFDM-16QAM-Outer_Full



N5-5M-PAPR-M-DFT-s-OFDM-64QAM-Outer_Full



N5-5M-PAPR-M-DFT-s-OFDM-256QAM-Outer_Full

Spectrum Analyzer 1
Power Stat CCDF

KEYSIGHT Input RF
R.L. Coupling: DC
Align: Light

Input Z: 50 Ω
Corr: CCorr
Freq Ref: Int (S)

Atten: 40 dB
Preamp: Off

Trig: RF Burst
#IF Gain: Low

Center Freq: 836.500000 MHz
Counts: 10.0 M/10.0 Mpt
Radio Std: None

Center Frequency: 836.500000 MHz
CF Step: 5.000000 MHz
Freq Offset: 0 Hz

1 Metrics

Average Power
20.28 dBm
44.61 % at 0 dB

10.0 %	2.86 dB
1.0 %	5.21 dB
0.1 %	6.69 dB
0.01 %	7.38 dB
0.001 %	7.83 dB
0.0001 %	7.87 dB

Peak
7.88 dB
28.16 dBm

2 Graph
Gaussian

0.0001 %
0.001 %
0.01 %
0.1 %
1 %
10 %
100 %

0.00 dB
20.00 dB

Info BW 20.000 MHz

May 18, 2024
10:11:34 AM

Local

N5-5M-PAPR-M-CP-OFDM-QPSK-Outer_Full

Spectrum Analyzer 1
Power Stat CCDF

KEYSIGHT Input RF
R.L. Coupling: DC
Align: Auto

Input Z: 50 Ω
Corr: CCorr
Freq Ref: Int (S)

Atten: 40 dB
Preamp: Off

Trig: RF Burst
#IF Gain: Low

Center Freq: 836.500000 MHz
Counts: 10.0 M/10.0 Mpt
Radio Std: None

Center Frequency: 836.500000 MHz
CF Step: 5.000000 MHz
Freq Offset: 0 Hz

1 Metrics

Average Power
22.05 dBm
36.10 % at 0 dB

10.0 %	3.71 dB
1.0 %	6.65 dB
0.1 %	7.57 dB
0.01 %	7.74 dB
0.001 %	7.81 dB
0.0001 %	7.84 dB

Peak
7.86 dB
29.91 dBm

2 Graph
Gaussian

0.0001 %
0.001 %
0.01 %
0.1 %
1 %
10 %
100 %

0.00 dB
20.00 dB

Info BW 20.000 MHz

May 18, 2024
2:43:48 PM

Local

N5-5M-PAPR-M-CP-OFDM-16QAM-Outer_Full

Spectrum Analyzer 1
Power Stat CCDF

KEYSIGHT Input RF Input Z: 50 Ω Atten: 40 dB Trig: RF Burst Center Freq: 836.500000 MHz
 R.L. Coupling: DC Corr: CCorr Preamp: Off #IF Gain: Low Counts: 10.0 M/10.0 Mpt
 Align: Light Freq Ref: Int (S) Radio Std: None

Center Frequency: 836.500000 MHz
 CF Step: 5.000000 MHz
 Freq Offset: 0 Hz

1 Metrics

Average Power	
	21.50 dBm
	36.13 % at 0 dB
10.0 %	3.74 dB
1.0 %	6.55 dB
0.1 %	7.47 dB
0.01 %	8.13 dB
0.001 %	8.19 dB
0.0001 %	8.22 dB
Peak	
	8.23 dB
	29.73 dBm

2 Graph

Gaussian

0.0001 %
0.001 %
0.01 %
0.1 %
1 %
10 %
100 %

0.00 dB 20.00 dB
Info BW 20.000 MHz

May 18, 2024 10:13:34 AM

Local

N5-5M-PAPR-M-CP-OFDM-64QAM-Outer_Full

Spectrum Analyzer 1
Power Stat CCDF

KEYSIGHT Input RF Input Z: 50 Ω Atten: 40 dB Trig: RF Burst Center Freq: 836.500000 MHz
 R.L. Coupling: DC Corr: CCorr Preamp: Off #IF Gain: Low Counts: 10.0 M/10.0 Mpt
 Align: Light Freq Ref: Int (S) Radio Std: None

Center Frequency: 836.500000 MHz
 CF Step: 5.000000 MHz
 Freq Offset: 0 Hz

1 Metrics

Average Power	
	20.07 dBm
	34.28 % at 0 dB
10.0 %	3.81 dB
1.0 %	7.38 dB
0.1 %	8.40 dB
0.01 %	8.52 dB
0.001 %	8.56 dB
0.0001 %	8.58 dB
Peak	
	8.60 dB
	28.67 dBm

2 Graph

Gaussian

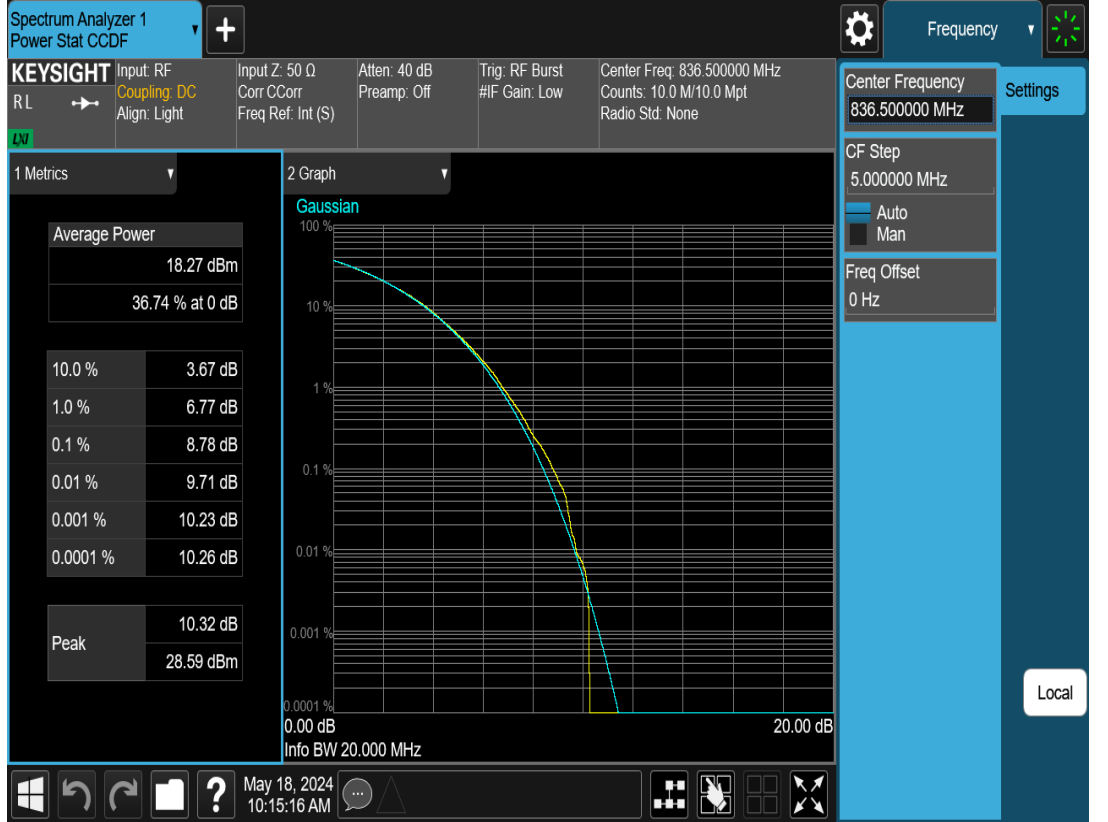
0.0001 %
0.001 %
0.01 %
0.1 %
1 %
10 %
100 %

0.00 dB 20.00 dB
Info BW 20.000 MHz

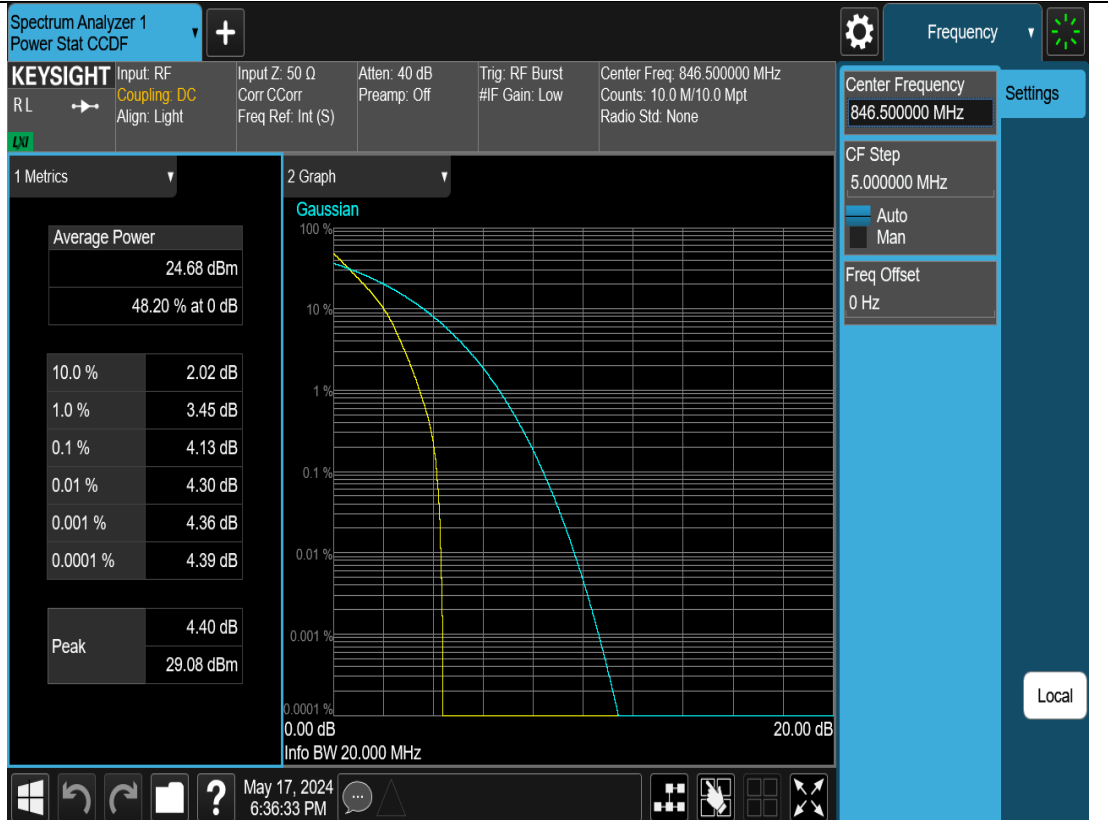
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Local

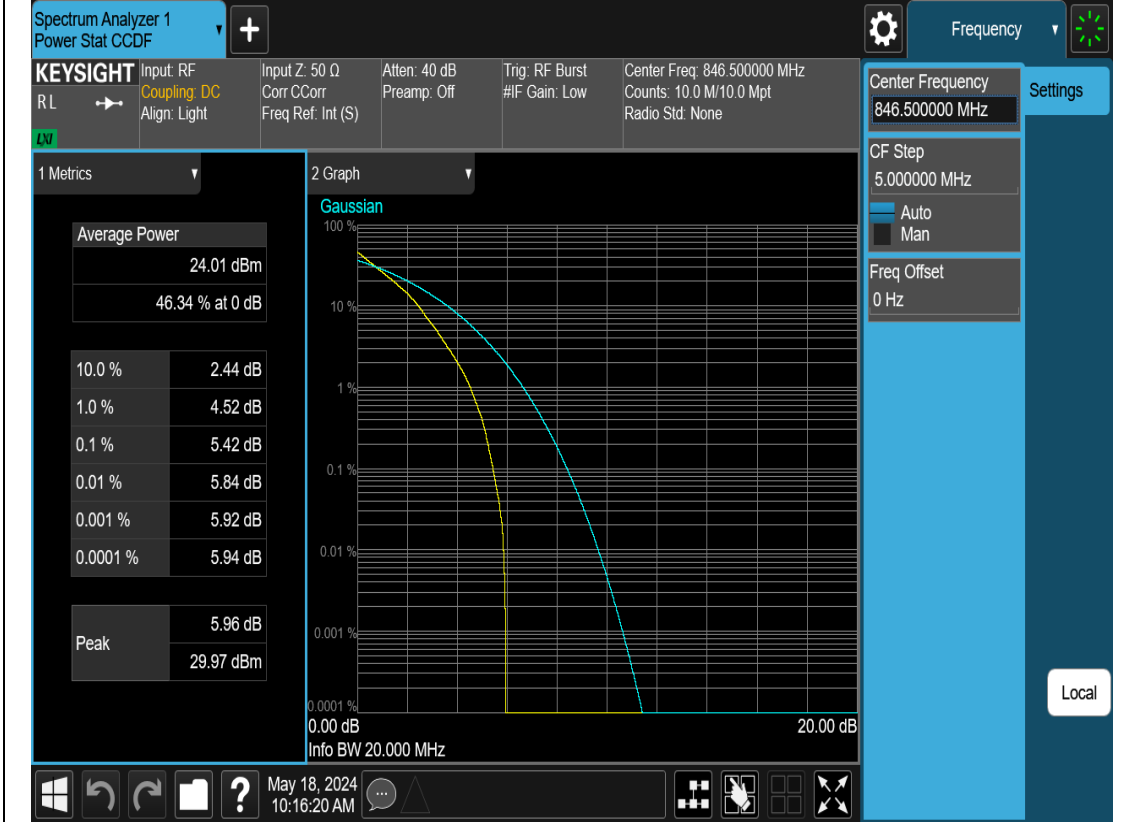
N5-5M-PAPR-M-CP-OFDM-256QAM-Outer_Full



N5-5M-PAPR-H-DFT-s-OFDM-Pi2 BPSK-Outer_Full



N5-5M-PAPR-H-DFT-s-OFDM-QPSK-Outer_Full



N5-5M-PAPR-H-DFT-s-OFDM-16QAM-Outer_Full

