

99% & 26dB Bandwidth

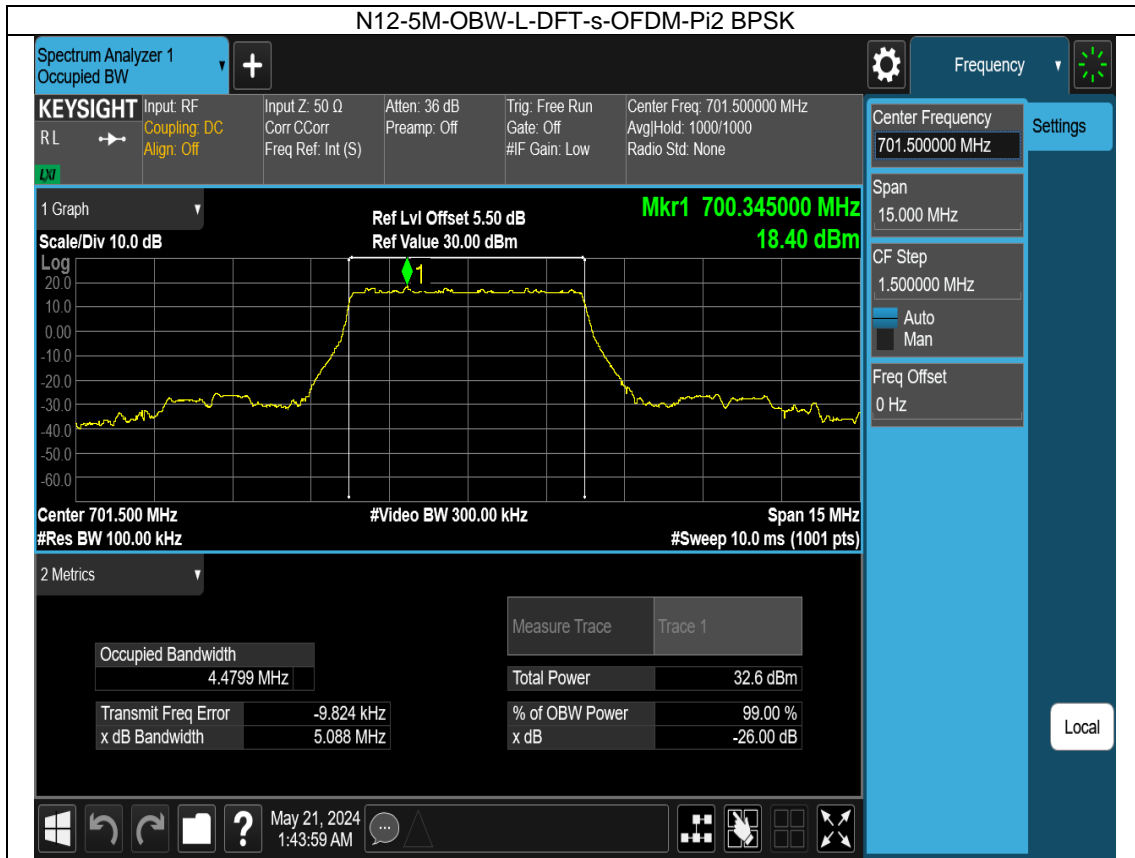
Test Result

5G NR n12 SCS=15kHz 5MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	4.480	5.088	/	Pass
DFT-s-OFDM QPSK		Outer_Full	4.516	5.238	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	4.488	5.144	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	4.504	5.200	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	4.496	5.188	/	Pass
CP-OFDM QPSK		Outer_Full	4.508	5.189	/	Pass
CP-OFDM 16QAM		Outer_Full	4.523	5.282	/	Pass
CP-OFDM 64QAM		Outer_Full	4.491	5.122	/	Pass
CP-OFDM 256QAM		Outer_Full	4.515	5.127	/	Pass
DFT-s-OFDM PI/2 BPSK		Middle CH	Outer_Full	4.490	5.125	/
DFT-s-OFDM QPSK	Outer_Full		4.493	5.158	/	Pass
DFT-s-OFDM 16QAM	Outer_Full		4.483	5.084	/	Pass
DFT-s-OFDM 64QAM	Outer_Full		4.514	5.229	/	Pass
DFT-s-OFDM 256QAM	Outer_Full		4.510	5.156	/	Pass
CP-OFDM QPSK	Outer_Full		4.511	5.243	/	Pass
CP-OFDM 16QAM	Outer_Full		4.516	5.257	/	Pass
CP-OFDM 64QAM	Outer_Full		4.483	5.090	/	Pass
CP-OFDM 256QAM	Outer_Full		4.497	5.101	/	Pass
DFT-s-OFDM PI/2 BPSK	High CH		Outer_Full	4.482	5.150	/
DFT-s-OFDM QPSK		Outer_Full	4.514	5.163	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	4.493	5.194	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	4.501	5.162	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	4.510	5.118	/	Pass
CP-OFDM QPSK		Outer_Full	4.561	5.423	/	Pass
CP-OFDM 16QAM		Outer_Full	4.531	5.223	/	Pass
CP-OFDM 64QAM		Outer_Full	4.505	5.231	/	Pass
CP-OFDM 256QAM		Outer_Full	4.490	5.175	/	Pass

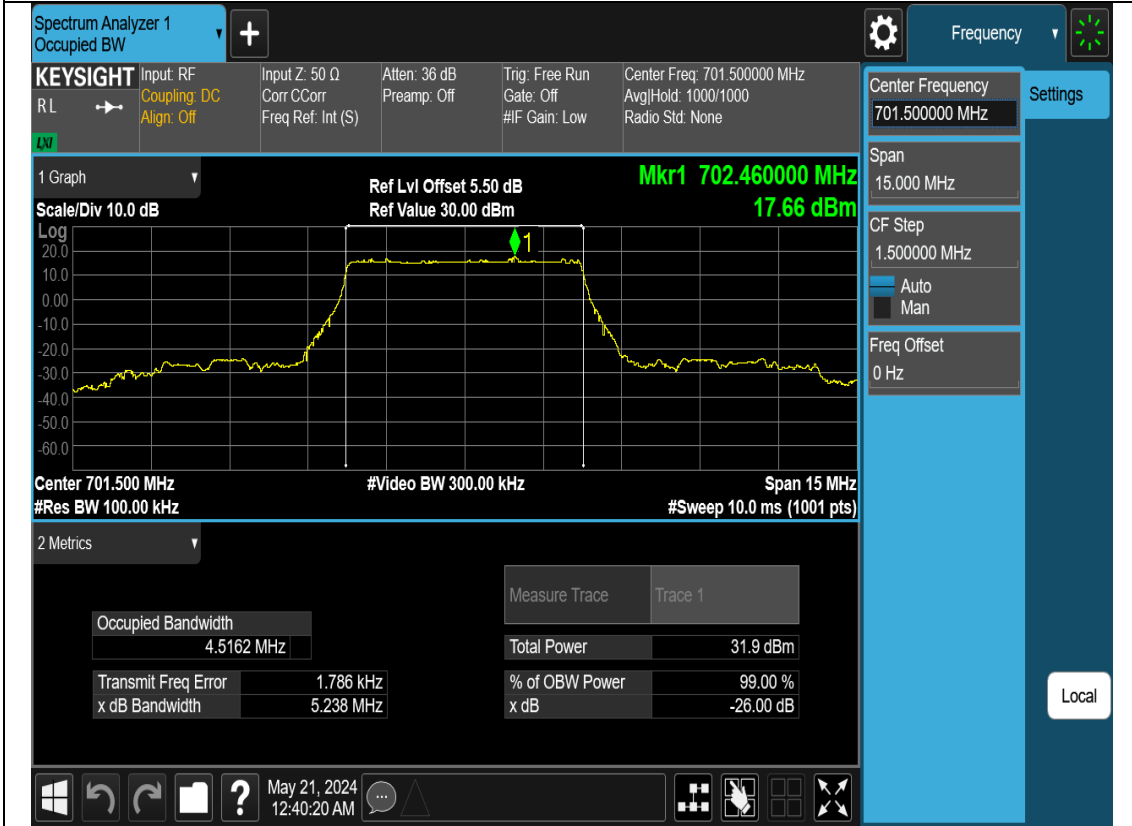
5G NR n12 SCS=15kHz 10MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	8.968	9.755	/	Pass
DFT-s-OFDM QPSK		Outer_Full	8.956	9.680	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	8.988	9.912	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	8.961	9.816	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	8.972	9.731	/	Pass
CP-OFDM QPSK		Outer_Full	9.292	10.12	/	Pass
CP-OFDM 16QAM		Outer_Full	9.306	10.19	/	Pass
CP-OFDM 64QAM		Outer_Full	9.322	10.27	/	Pass
CP-OFDM 256QAM		Outer_Full	9.335	10.17	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	8.940	9.648	/	Pass
DFT-s-OFDM QPSK		Outer_Full	8.932	9.681	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	8.952	9.827	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	8.951	9.694	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	8.964	9.741	/	Pass
CP-OFDM QPSK		Outer_Full	9.289	10.20	/	Pass
CP-OFDM 16QAM		Outer_Full	8.930	9.694	/	Pass
CP-OFDM 64QAM		Outer_Full	8.950	9.870	/	Pass
CP-OFDM 256QAM		Outer_Full	8.934	9.766	/	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	8.924	9.683	/	Pass
DFT-s-OFDM QPSK		Outer_Full	8.920	9.565	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	8.931	9.664	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	8.942	9.696	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	8.954	9.740	/	Pass
CP-OFDM QPSK		Outer_Full	9.301	10.20	/	Pass
CP-OFDM 16QAM		Outer_Full	8.923	9.623	/	Pass
CP-OFDM 64QAM		Outer_Full	8.921	9.711	/	Pass
CP-OFDM 256QAM		Outer_Full	8.941	9.723	/	Pass

5G NR n12 SCS=15kHz 15MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	13.420	14.49	/	Pass
DFT-s-OFDM QPSK		Outer_Full	13.438	14.50	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	13.506	14.58	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	13.447	14.53	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	13.534	14.4	/	Pass
CP-OFDM QPSK		Outer_Full	14.103	15.26	/	Pass
CP-OFDM 16QAM		Outer_Full	14.136	15.13	/	Pass
CP-OFDM 64QAM		Outer_Full	14.112	15.27	/	Pass
CP-OFDM 256QAM		Outer_Full	14.139	15.24	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	13.415	14.50	/	Pass
DFT-s-OFDM QPSK		Outer_Full	13.446	14.49	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	13.509	14.51	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	13.437	14.55	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	13.494	14.41	/	Pass
CP-OFDM QPSK		Outer_Full	14.112	15.12	/	Pass
CP-OFDM 16QAM		Outer_Full	13.424	14.50	/	Pass
CP-OFDM 64QAM		Outer_Full	13.423	14.37	/	Pass
CP-OFDM 256QAM		Outer_Full	13.470	14.40	/	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	13.412	14.48	/	Pass
DFT-s-OFDM QPSK		Outer_Full	13.423	14.39	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	13.511	14.50	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	13.433	14.50	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	13.494	14.45	/	Pass
CP-OFDM QPSK		Outer_Full	14.130	15.19	/	Pass
CP-OFDM 16QAM		Outer_Full	13.424	14.57	/	Pass
CP-OFDM 64QAM		Outer_Full	13.440	14.44	/	Pass
CP-OFDM 256QAM		Outer_Full	13.425	14.41	/	Pass

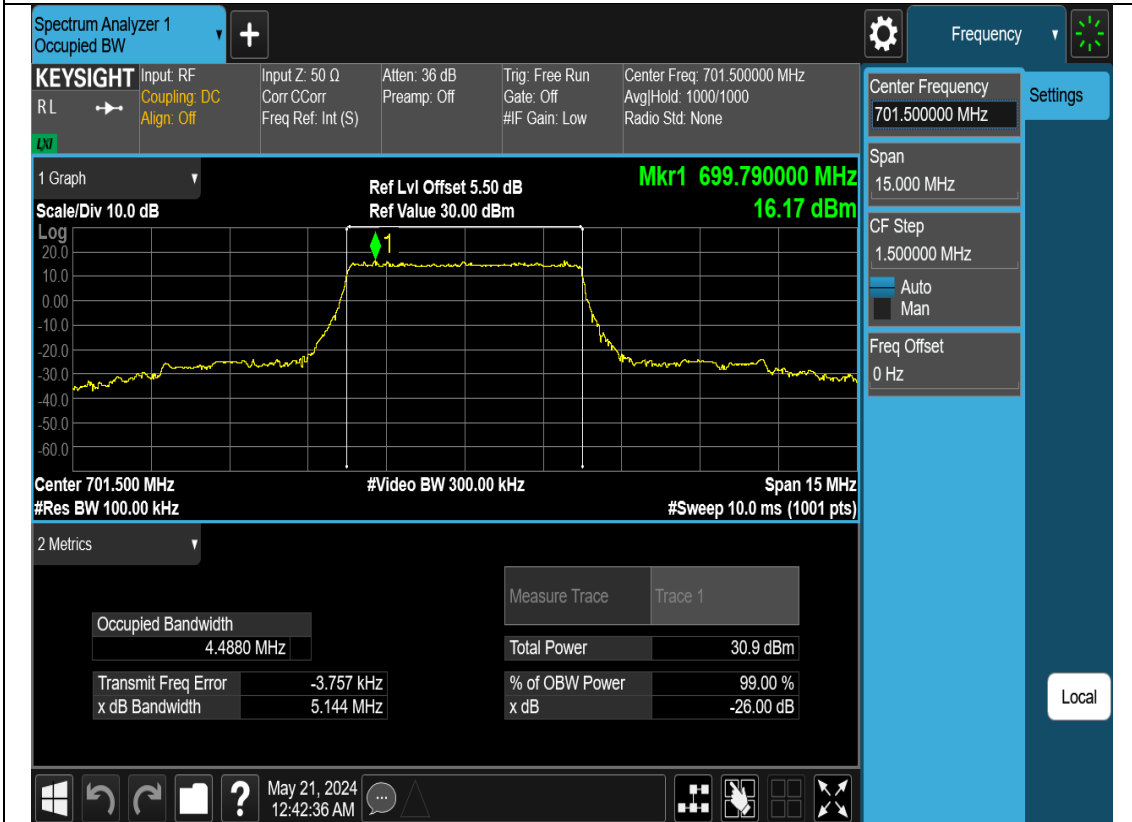
Test graph



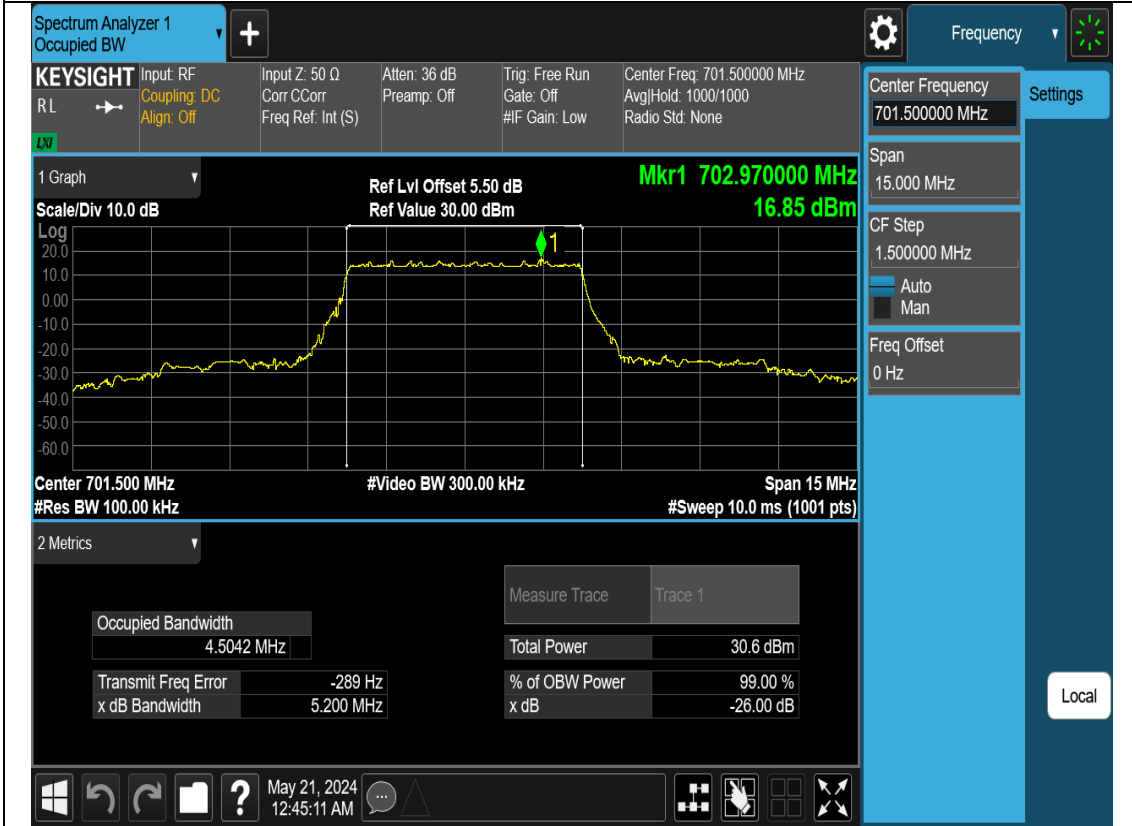
N12-5M-OBW-L-DFT-s-OFDM-QPSK



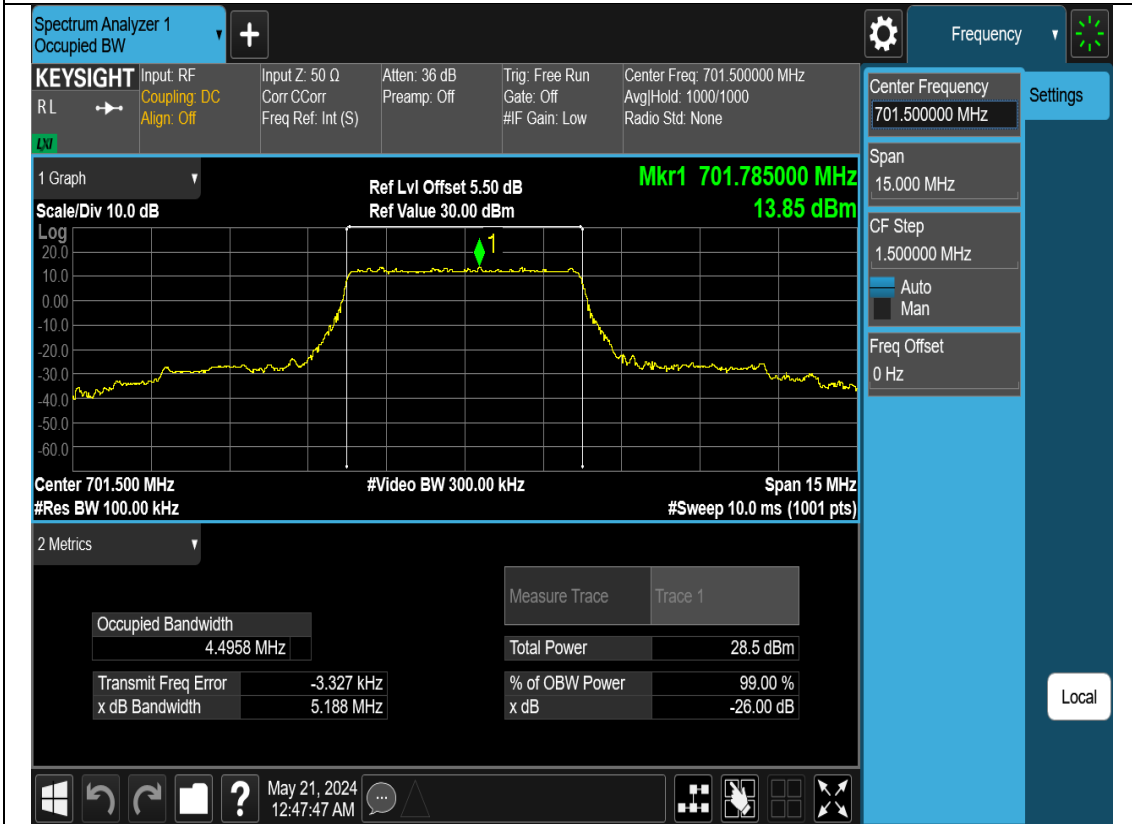
N12-5M-OBW-L-DFT-s-OFDM-16QAM



N12-5M-OBW-L-DFT-s-OFDM-64QAM



N12-5M-OBW-L-DFT-s-OFDM-256QAM



N12-5M-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: 701.500000 MHz
 RL Coupling: DC Corr: CCorr Gate: Off Avg/Hold: 1000/1000
 Align: Off Freq Ref: Int (S) Preamp: Off #F Gain: Low Radio Std: None

1 Graph Scale/Div 10.0 dB Ref Lvl Offset 5.50 dB Mkr1 700.480000 MHz
 Ref Value 30.00 dBm 15.34 dBm

Center 701.500 MHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 15 MHz #Sweep 10.0 ms (1001 pts)

2 Metrics

Measure Trace		Trace 1	
Occupied Bandwidth	4.5083 MHz	Total Power	29.6 dBm
Transmit Freq Error	-9.014 kHz	% of OBW Power	99.00 %
x dB Bandwidth	5.189 MHz	x dB	-26.00 dB

May 21, 2024 2:09:38 AM

N12-5M-OBW-L-CP-OFDM-16QAM

Spectrum Analyzer 1 Occupied BW

KEYSIGHT Input RF Input Z: 50 Ω Atten: 36 dB Trig: Free Run Center Freq: 701.500000 MHz
 RL Coupling: DC Corr: CCorr Gate: Off Avg/Hold: 1000/1000
 Align: Off Freq Ref: Int (S) Preamp: Off #F Gain: Low Radio Std: None

1 Graph Scale/Div 10.0 dB Ref Lvl Offset 5.50 dB Mkr1 699.835000 MHz
 Ref Value 30.00 dBm 15.65 dBm

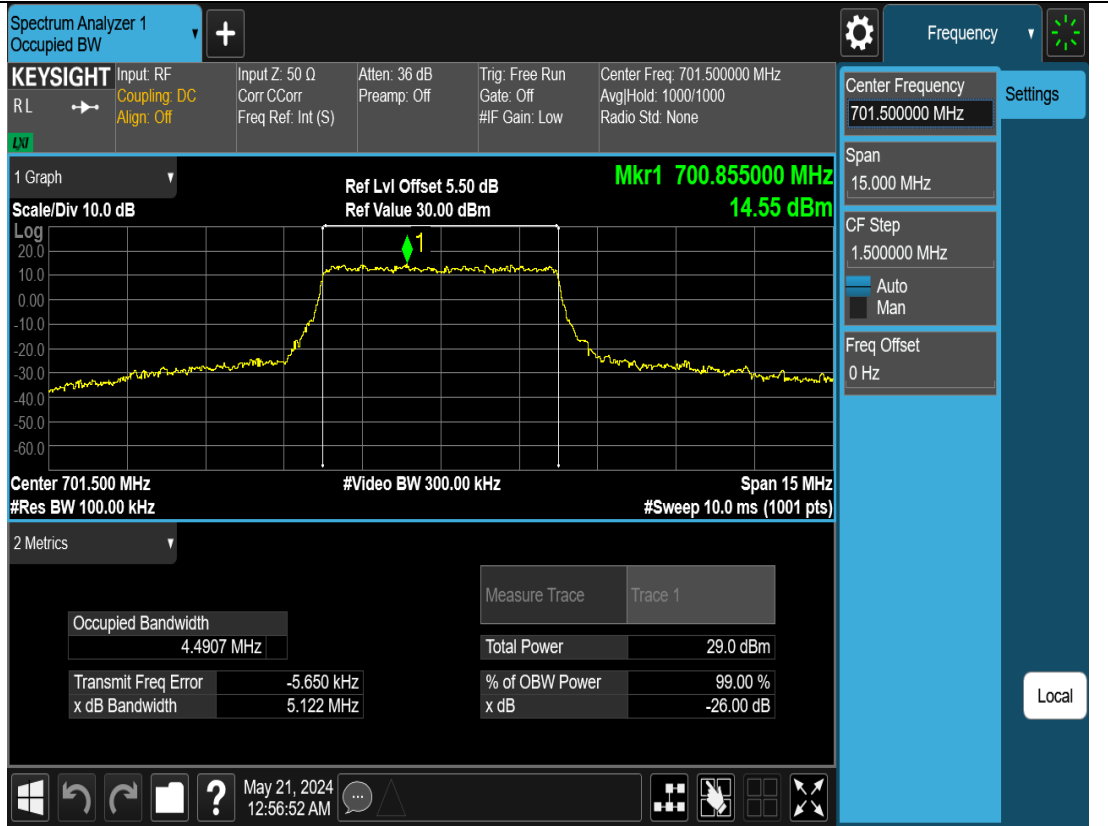
Center 701.500 MHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 15 MHz #Sweep 10.0 ms (1001 pts)

2 Metrics

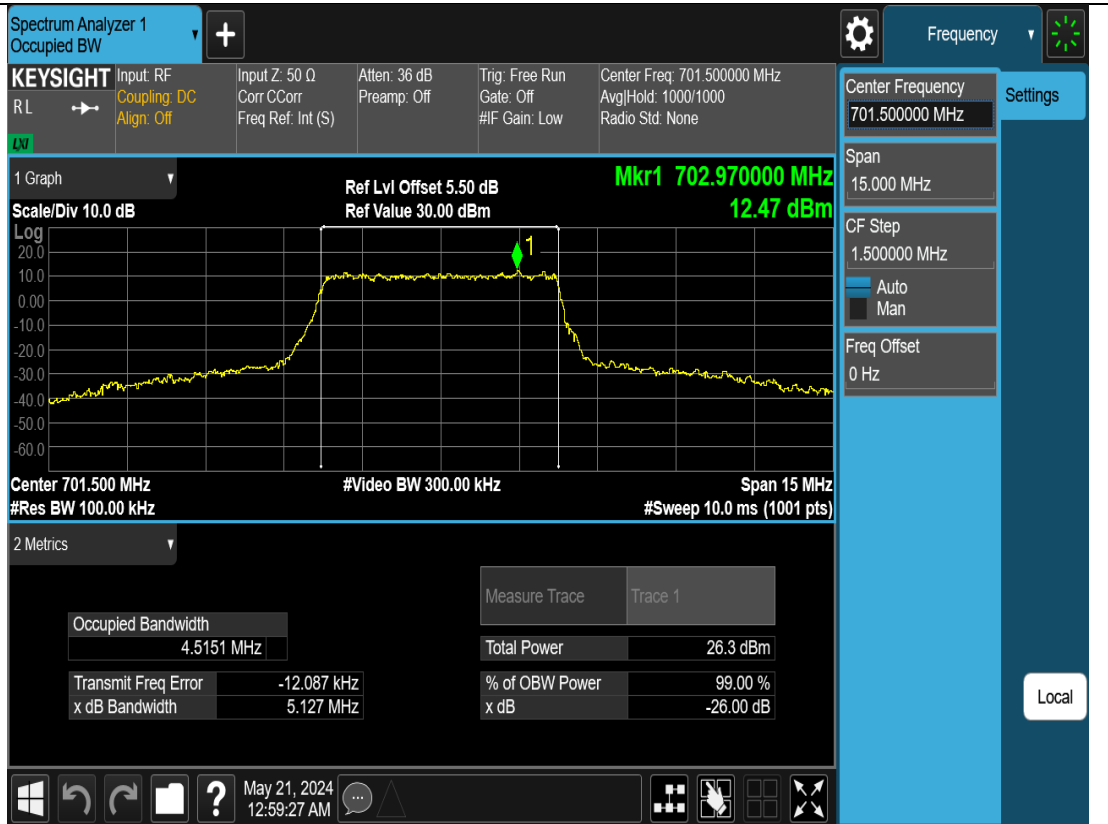
Measure Trace		Trace 1	
Occupied Bandwidth	4.5229 MHz	Total Power	29.7 dBm
Transmit Freq Error	-14.717 kHz	% of OBW Power	99.00 %
x dB Bandwidth	5.282 MHz	x dB	-26.00 dB

May 21, 2024 12:54:18 AM

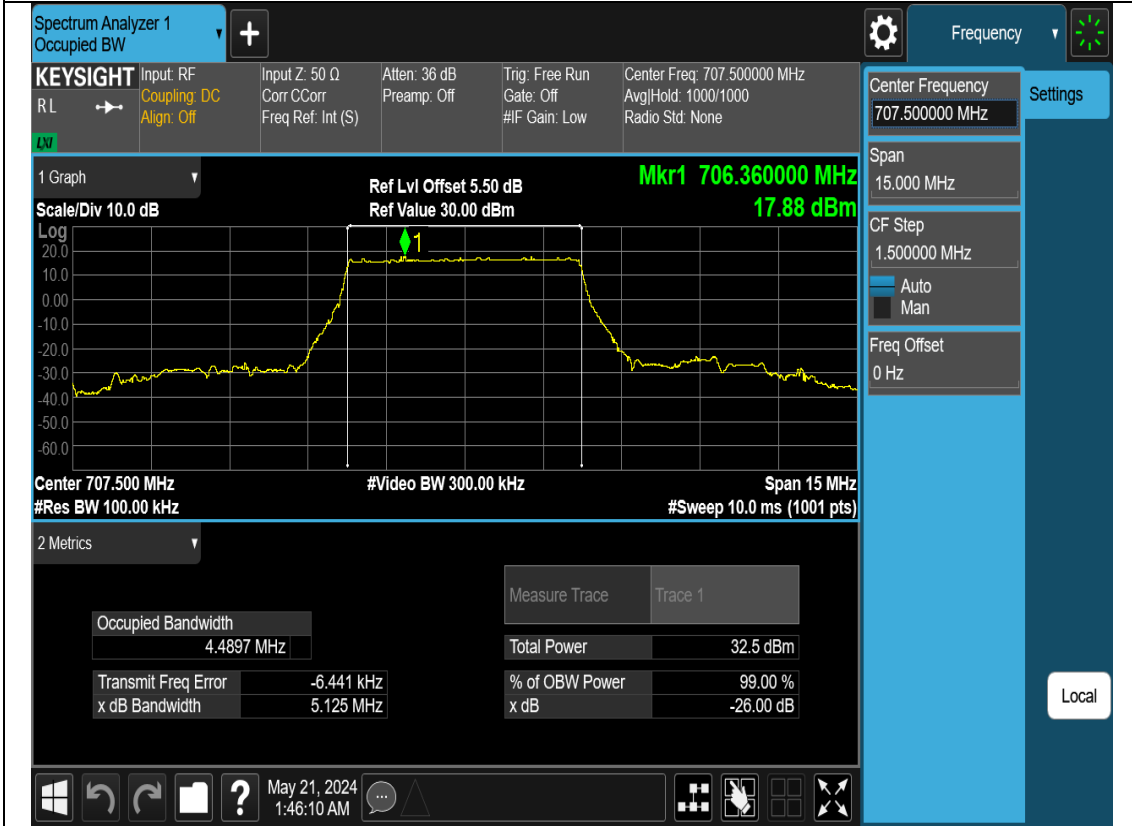
N12-5M-OBW-L-CP-OFDM-64QAM



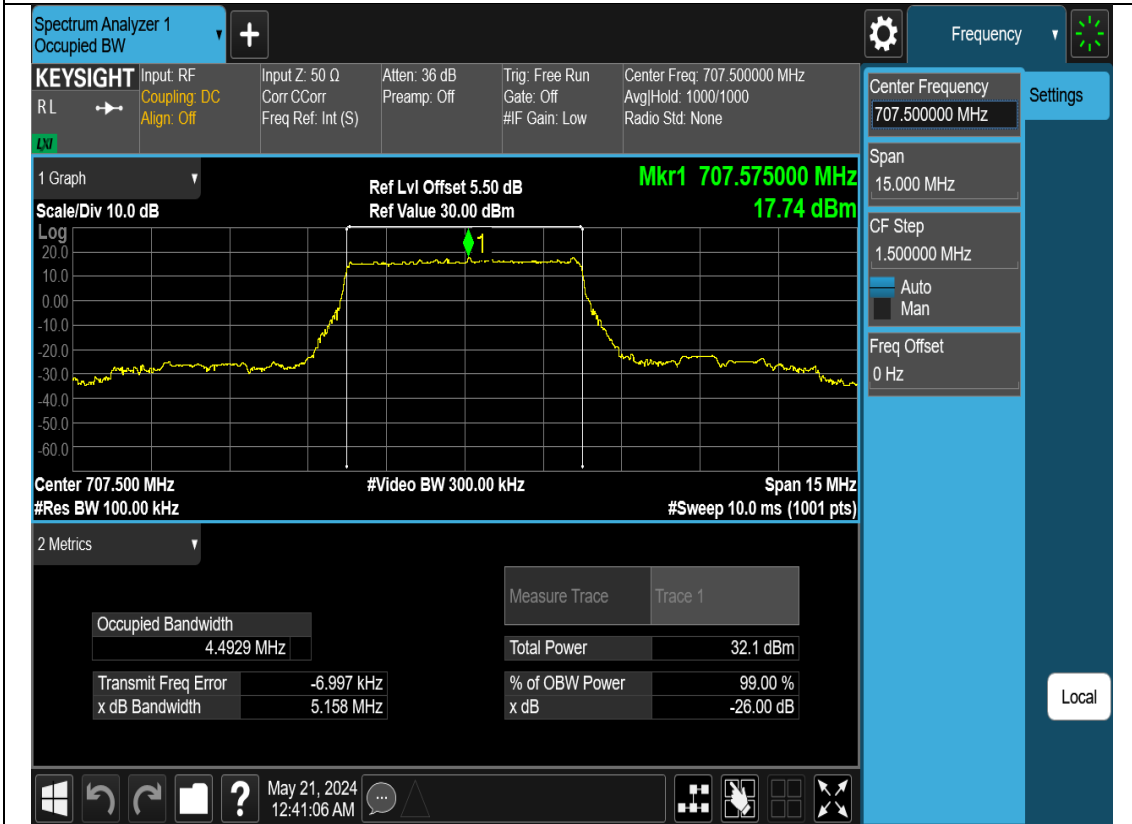
N12-5M-OBW-L-CP-OFDM-256QAM



N12-5M-OBW-M-DFT-s-OFDM-Pi2 BPSK



N12-5M-OBW-M-DFT-s-OFDM-QPSK



N12-5M-OBW-M-DFT-s-OFDM-16QAM

Spectrum Analyzer 1 Occupied BW

KEYSIGHT Input RF Input Z: 50 Ω Atten: 36 dB Trig: Free Run Center Freq: 707.500000 MHz
 RL Coupling: DC Corr: CCorr Preamp: Off Gate: Off Avg/Hold: 1000/1000
 Align: Off Freq Ref: Int (S) #F Gain: Low Radio Std: None

1 Graph Scale/Div 10.0 dB Ref Lvl Offset 5.50 dB Mkr1 708.880000 MHz
 Ref Value 30.00 dBm 16.82 dBm

Center 707.500 MHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 15 MHz #Sweep 10.0 ms (1001 pts)

2 Metrics

Measure Trace		Trace 1	
Occupied Bandwidth	4.4831 MHz	Total Power	31.1 dBm
Transmit Freq Error	-47 Hz	% of OBW Power	99.00 %
x dB Bandwidth	5.084 MHz	x dB	-26.00 dB

May 21, 2024 12:43:27 AM

N12-5M-OBW-M-DFT-s-OFDM-64QAM

Spectrum Analyzer 1 Occupied BW

KEYSIGHT Input RF Input Z: 50 Ω Atten: 36 dB Trig: Free Run Center Freq: 707.500000 MHz
 RL Coupling: DC Corr: CCorr Preamp: Off Gate: Off Avg/Hold: 1000/1000
 Align: Off Freq Ref: Int (S) #F Gain: Low Radio Std: None

1 Graph Scale/Div 10.0 dB Ref Lvl Offset 5.50 dB Mkr1 708.625000 MHz
 Ref Value 30.00 dBm 16.42 dBm

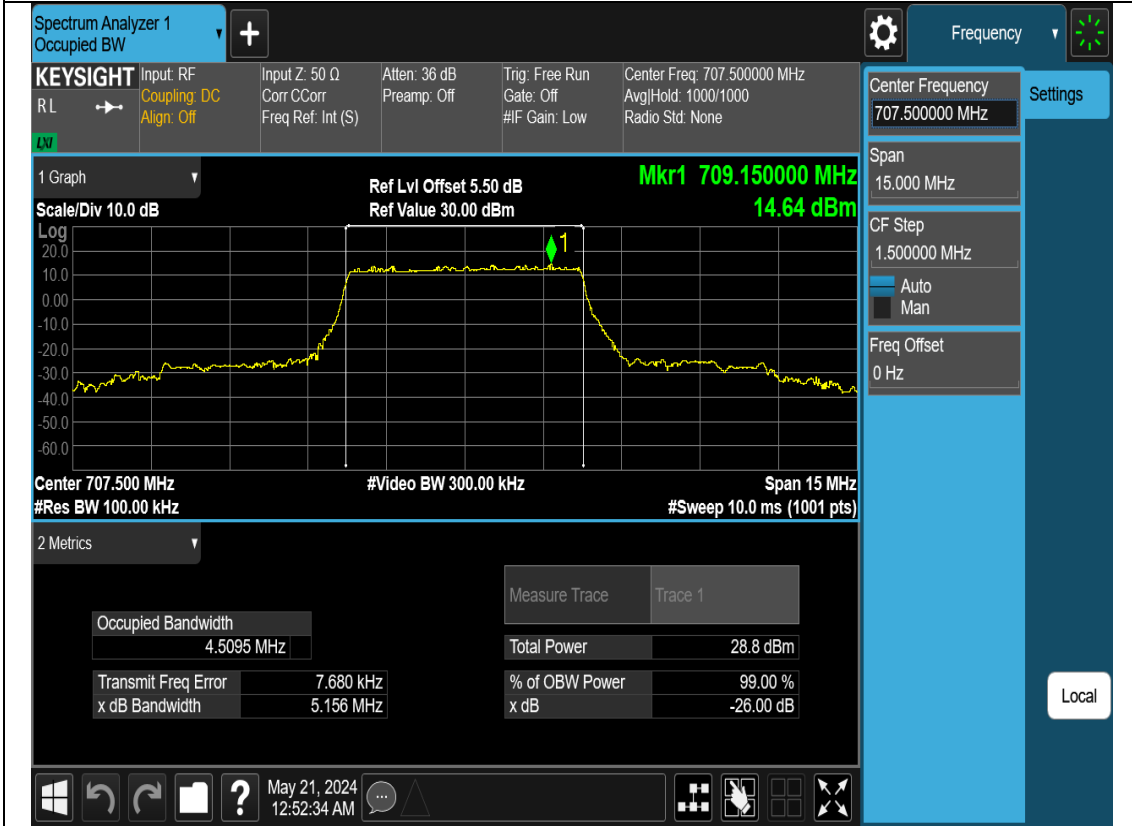
Center 707.500 MHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 15 MHz #Sweep 10.0 ms (1001 pts)

2 Metrics

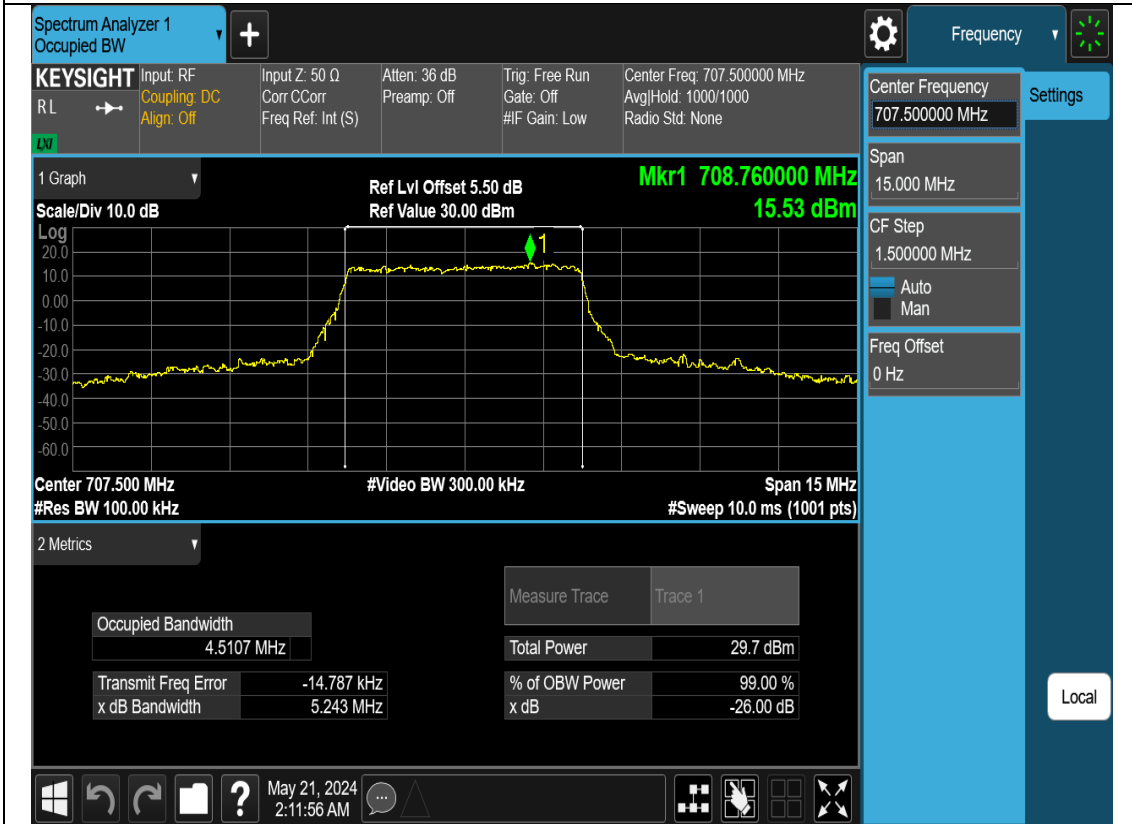
Measure Trace		Trace 1	
Occupied Bandwidth	4.5142 MHz	Total Power	30.8 dBm
Transmit Freq Error	7.619 kHz	% of OBW Power	99.00 %
x dB Bandwidth	5.229 MHz	x dB	-26.00 dB

May 21, 2024 12:46:02 AM

N12-5M-OBW-M-DFT-s-OFDM-256QAM



N12-5M-OBW-M-CP-OFDM-QPSK



N12-5M-OBW-M-CP-OFDM-16QAM

Spectrum Analyzer 1
Occupied BW

KEYSIGHT Input RF
RL Coupling: DC
Align: Off

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

Atten: 36 dB
Preamp: Off

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

Center Freq: 707.500000 MHz
Avg/Hold: 1000/1000
Radio Std: None

Center Frequency: 707.500000 MHz
Span: 15.000 MHz
CF Step: 1.500000 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 708.985000 MHz
15.02 dBm

Center 707.500 MHz
#Res BW 100.00 kHz
#Video BW 300.00 kHz
Span 15 MHz
#Sweep 10.0 ms (1001 pts)

2 Metrics

Measure Trace		Trace 1	
Occupied Bandwidth	4.5155 MHz	Total Power	29.7 dBm
Transmit Freq Error	3.494 kHz	% of OBW Power	99.00 %
x dB Bandwidth	5.257 MHz	x dB	-26.00 dB

May 21, 2024 12:55:09 AM

Local

N12-5M-OBW-M-CP-OFDM-64QAM

Spectrum Analyzer 1
Occupied BW

KEYSIGHT Input RF
RL Coupling: DC
Align: Off

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

Atten: 36 dB
Preamp: Off

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

Center Freq: 707.500000 MHz
Avg/Hold: 1000/1000
Radio Std: None

Center Frequency: 707.500000 MHz
Span: 15.000 MHz
CF Step: 1.500000 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 708.700000 MHz
14.84 dBm

Center 707.500 MHz
#Res BW 100.00 kHz
#Video BW 300.00 kHz
Span 15 MHz
#Sweep 10.0 ms (1001 pts)

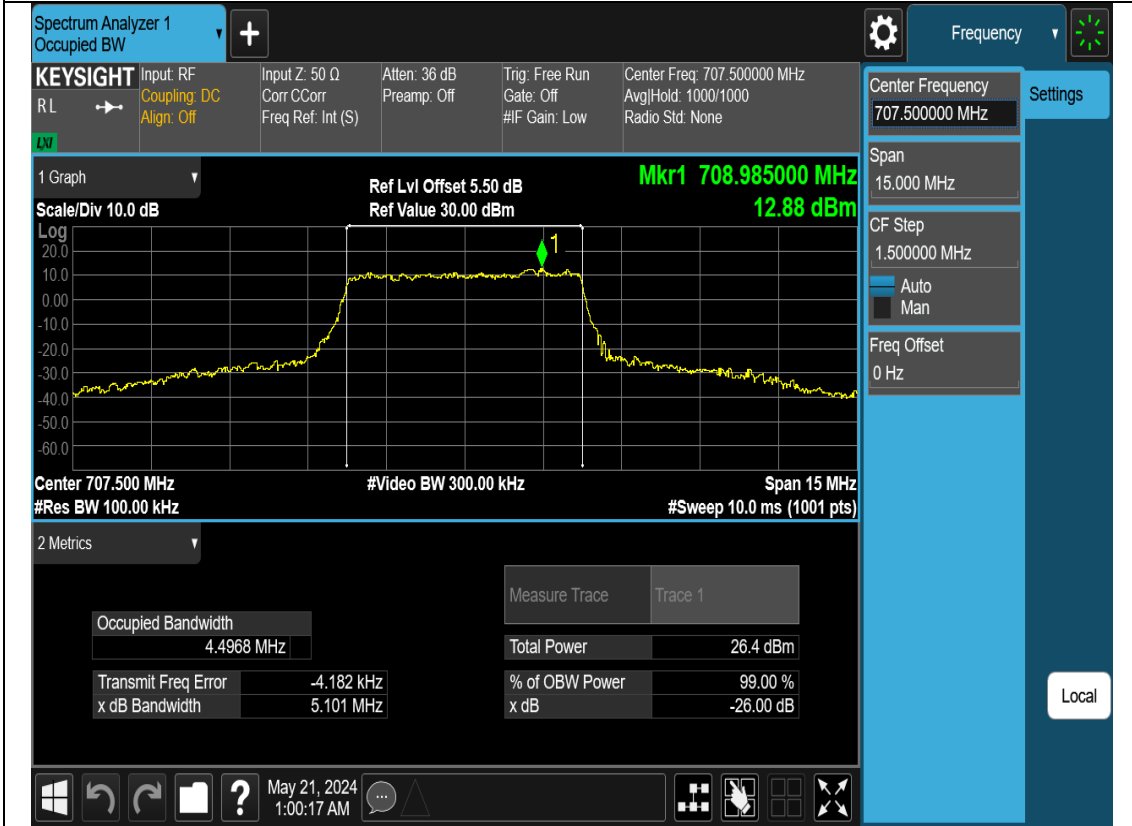
2 Metrics

Measure Trace		Trace 1	
Occupied Bandwidth	4.4834 MHz	Total Power	29.2 dBm
Transmit Freq Error	2.504 kHz	% of OBW Power	99.00 %
x dB Bandwidth	5.090 MHz	x dB	-26.00 dB

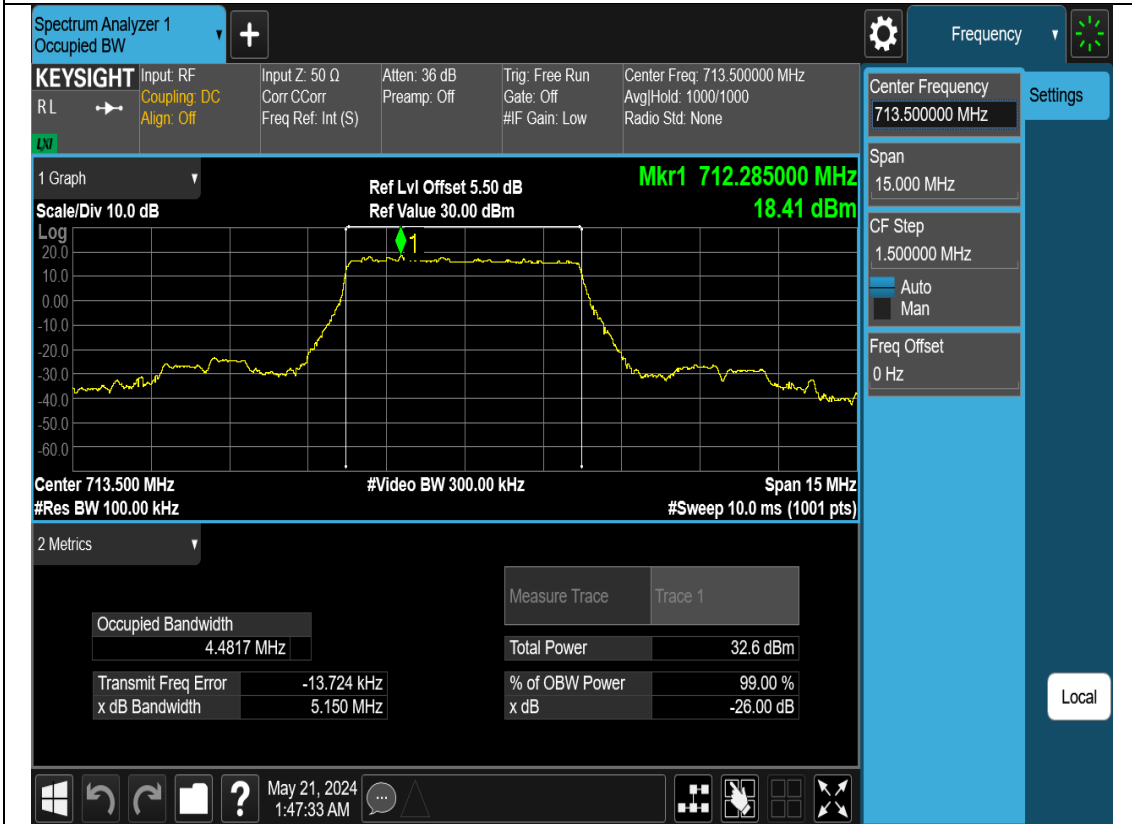
May 21, 2024 12:57:43 AM

Local

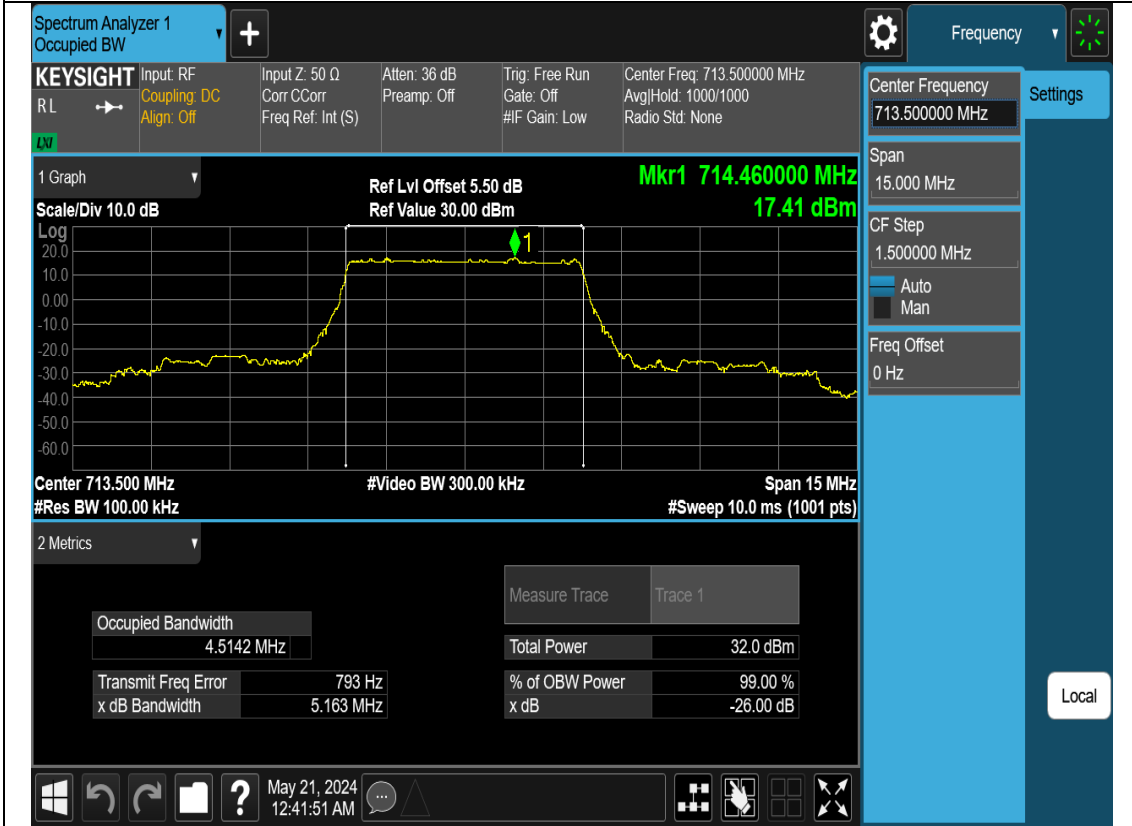
N12-5M-OBW-M-CP-OFDM-256QAM



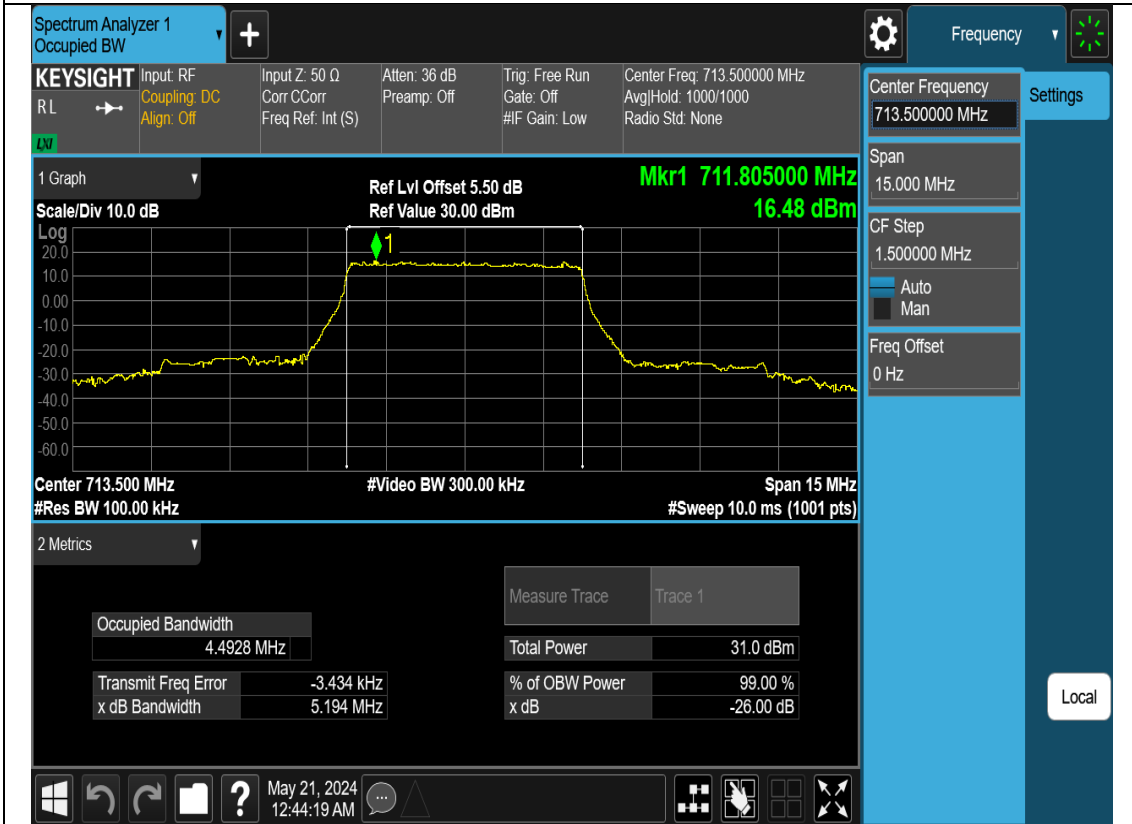
N12-5M-OBW-H-DFT-s-OFDM-Pi2 BPSK



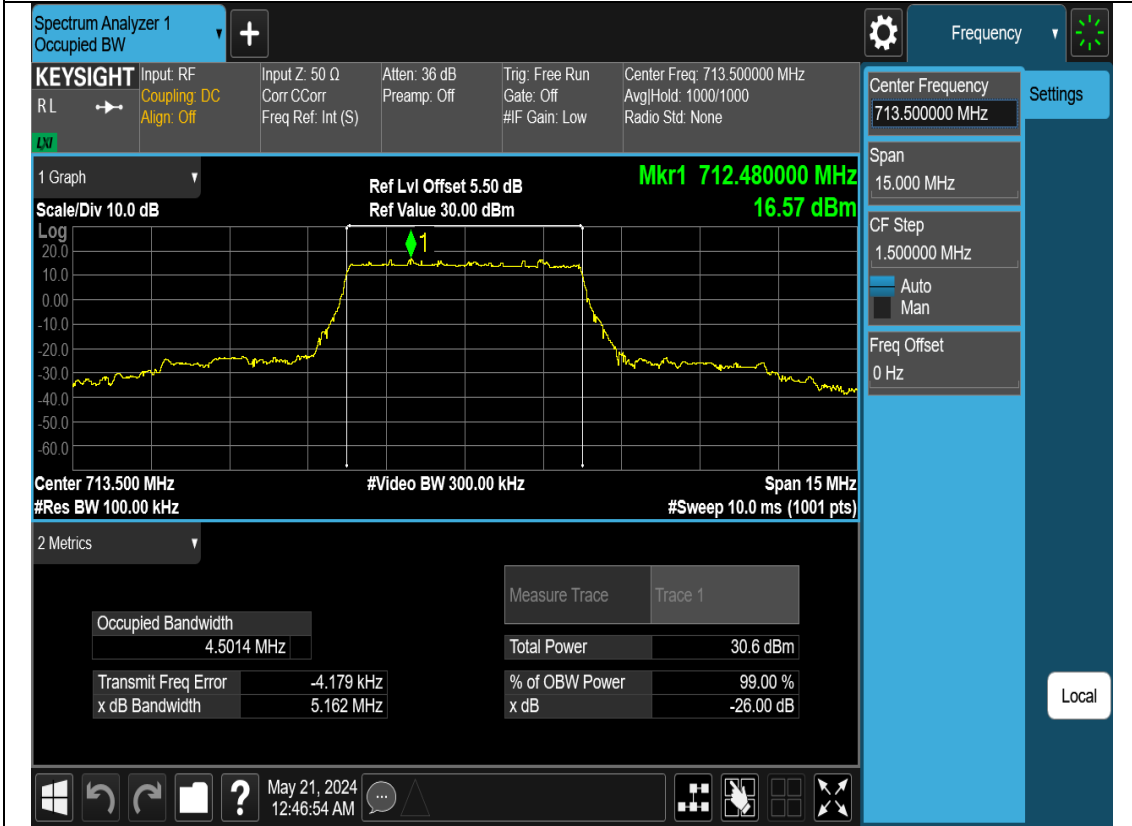
N12-5M-OBW-H-DFT-s-OFDM-QPSK



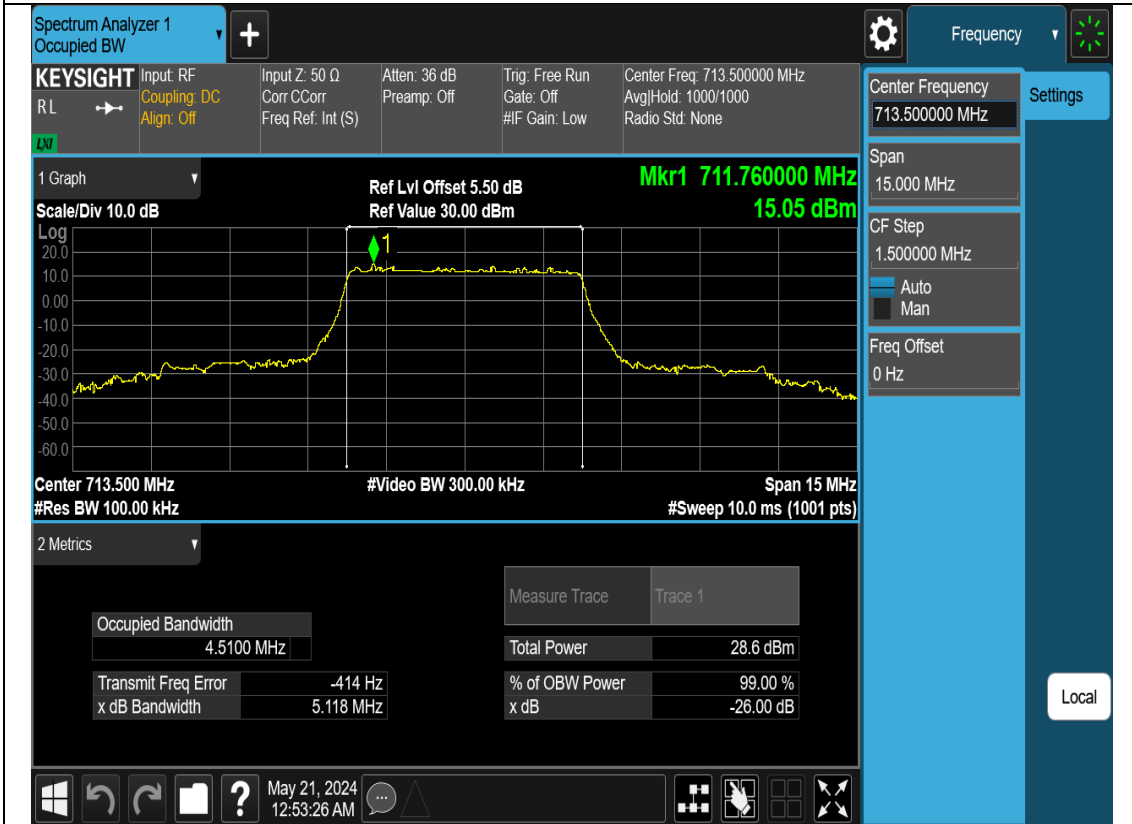
N12-5M-OBW-H-DFT-s-OFDM-16QAM



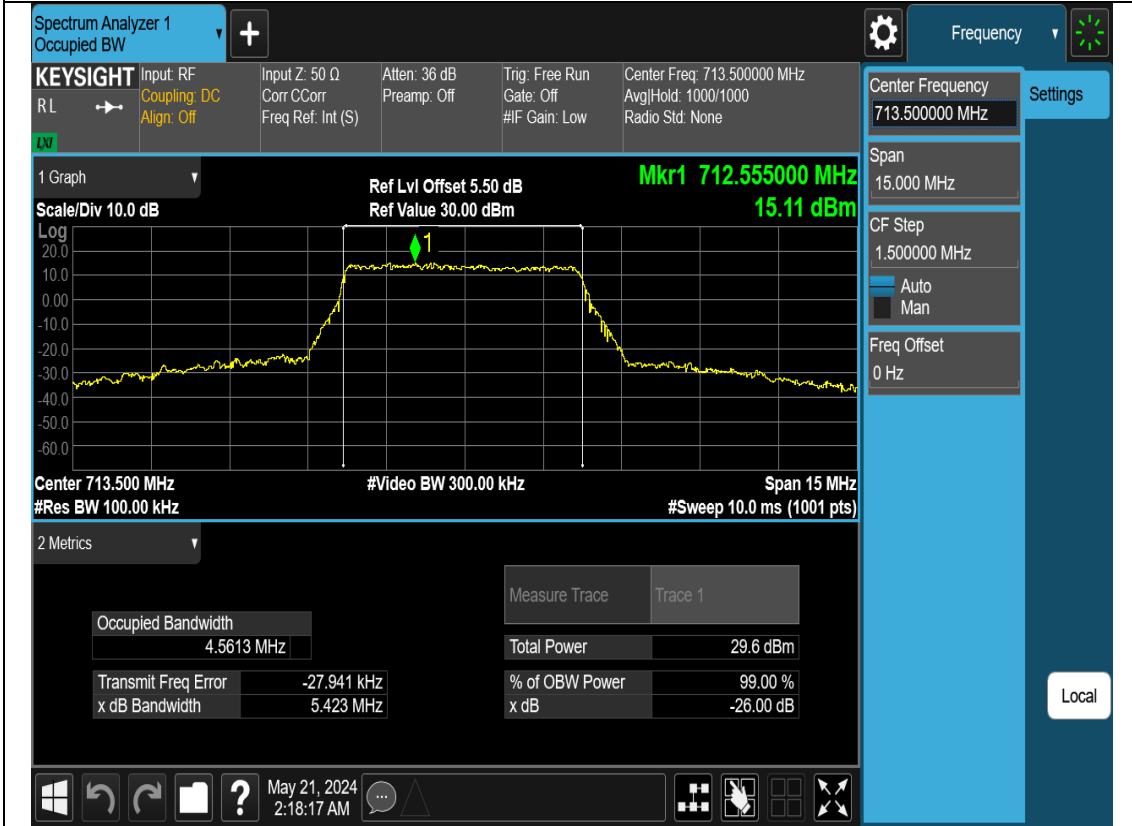
N12-5M-OBW-H-DFT-s-OFDM-64QAM



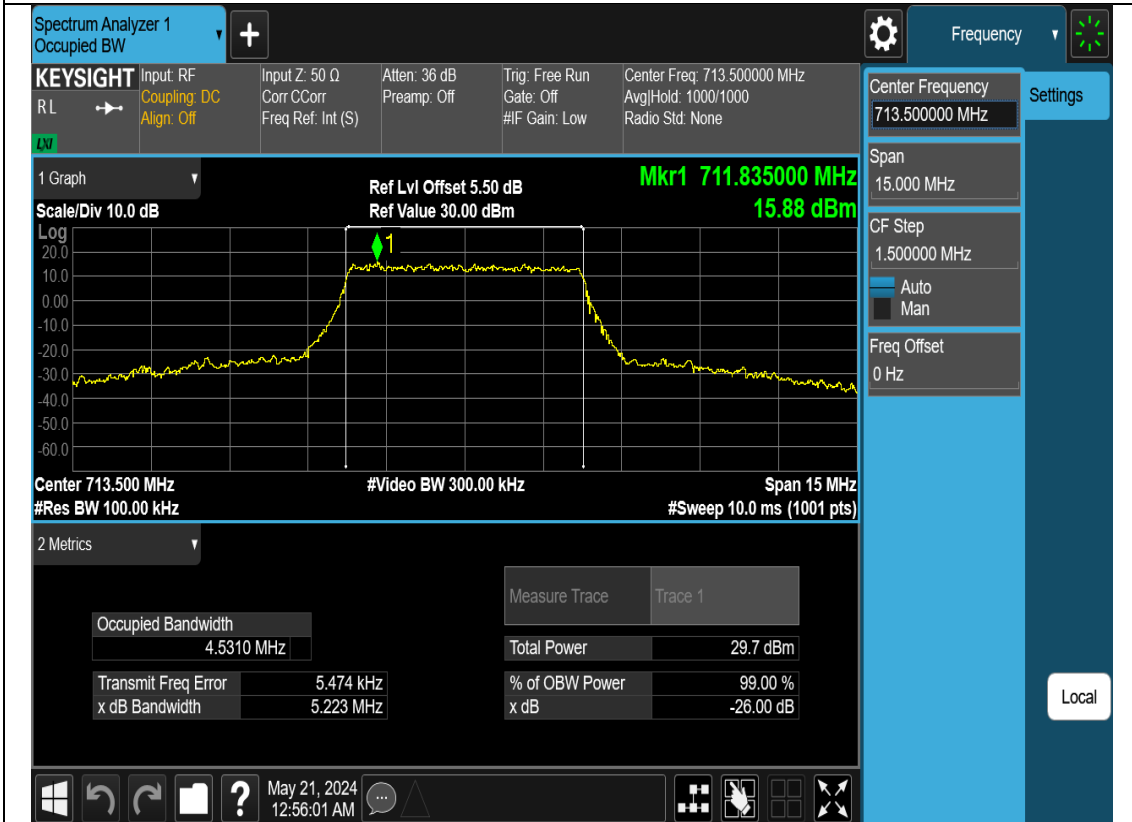
N12-5M-OBW-H-DFT-s-OFDM-256QAM



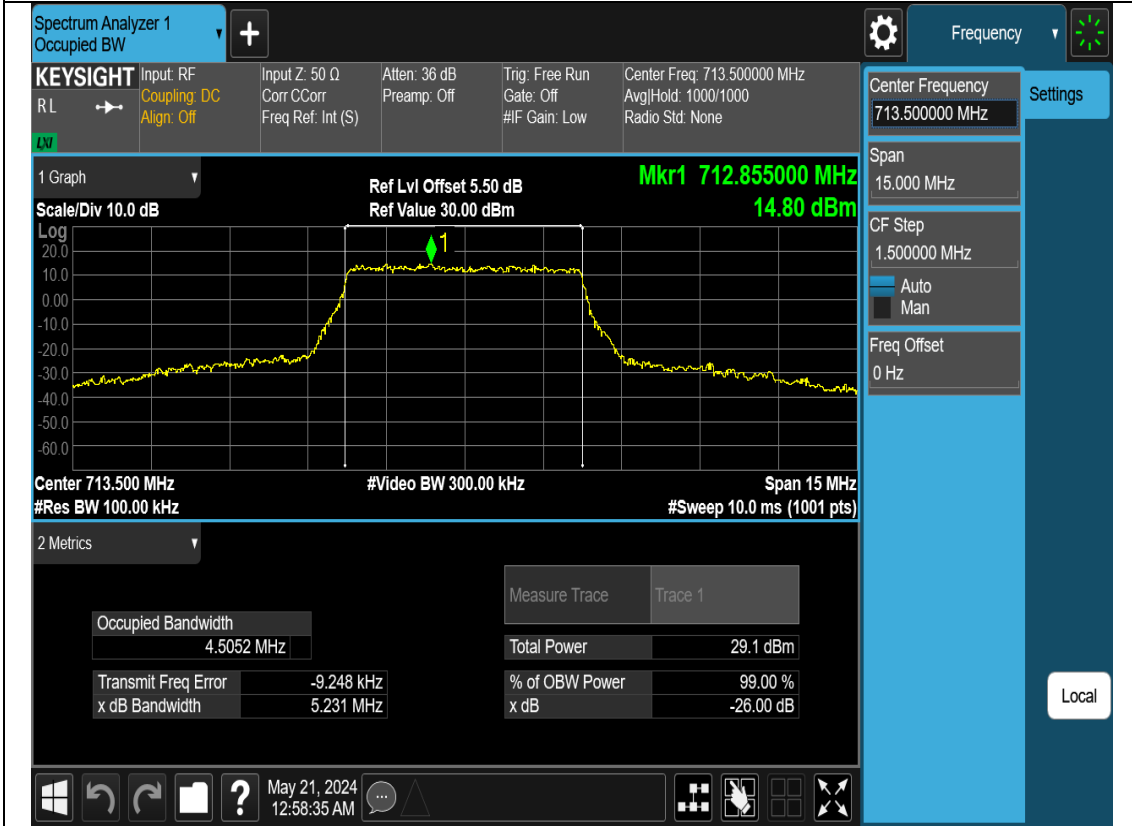
N12-5M-OBW-H-CP-OFDM-QPSK



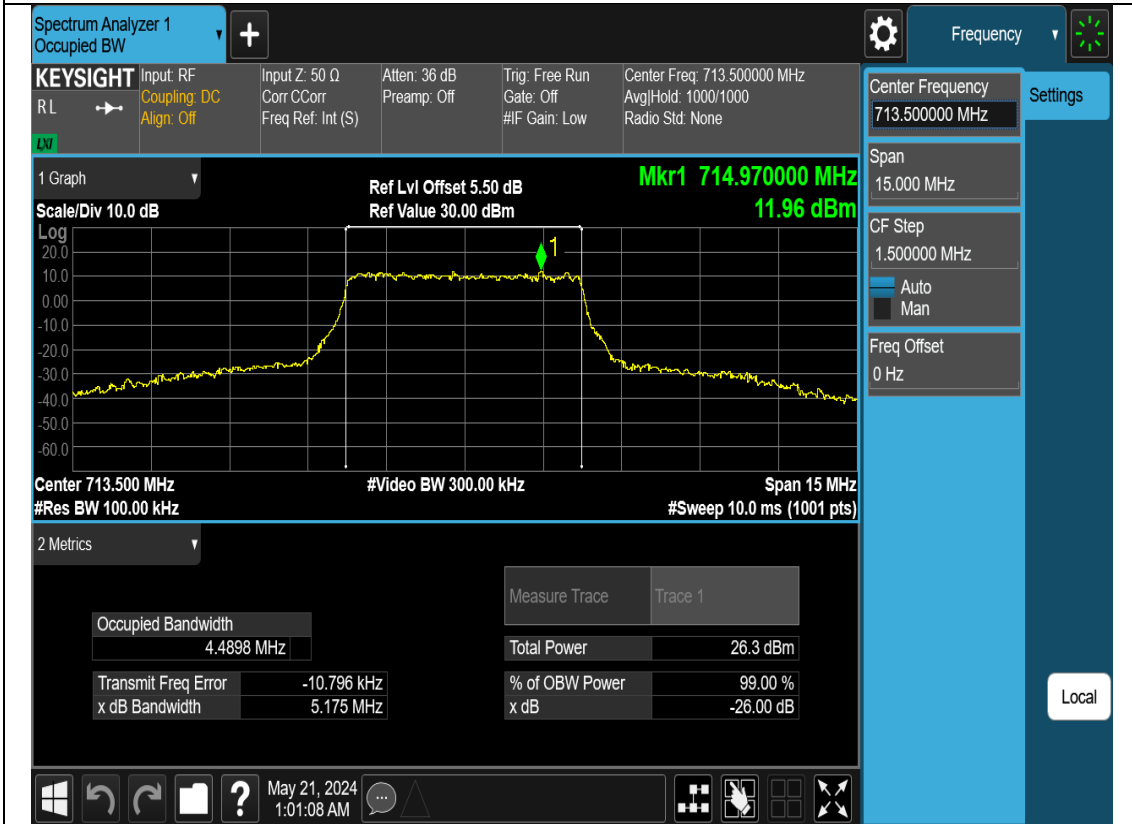
N12-5M-OBW-H-CP-OFDM-16QAM



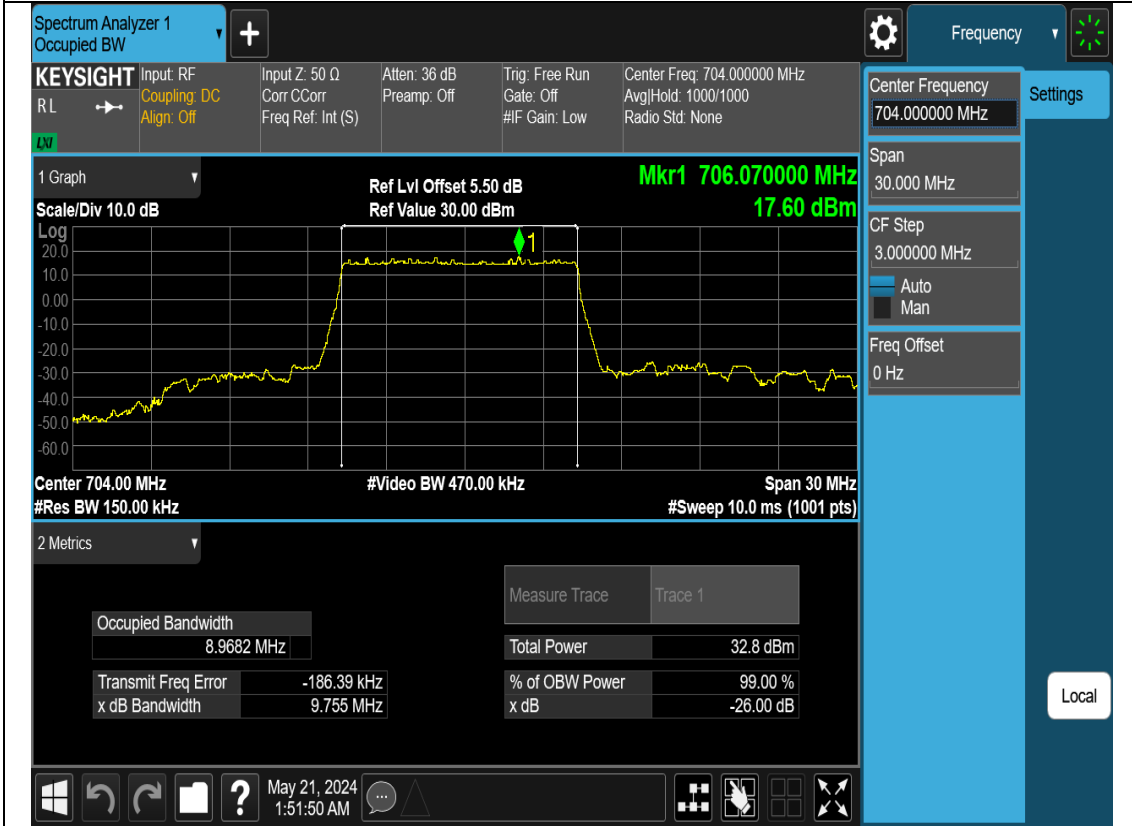
N12-5M-OBW-H-CP-OFDM-64QAM



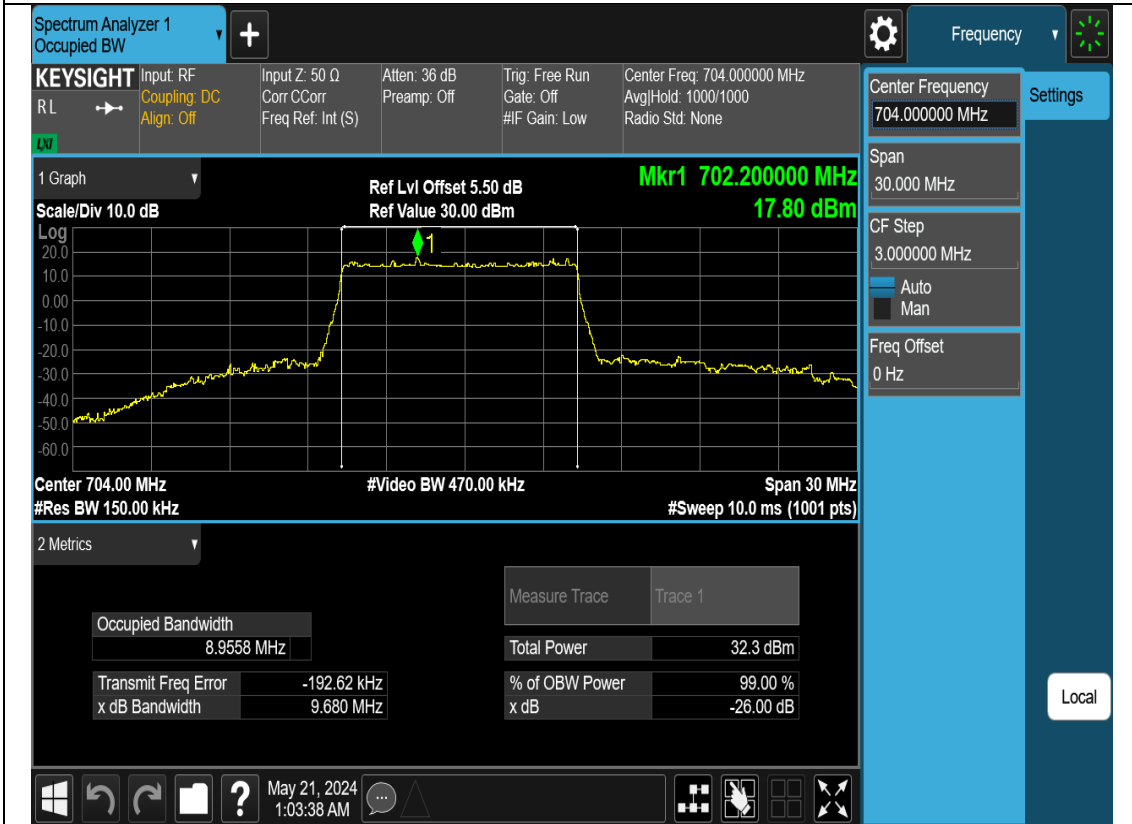
N12-5M-OBW-H-CP-OFDM-256QAM



N12-10M-OBW-L-DFT-s-OFDM-Pi2 BPSK



N12-10M-OBW-L-DFT-s-OFDM-QPSK



N12-10M-OBW-L-DFT-s-OFDM-16QAM

Spectrum Analyzer 1 Occupied BW

KEYSIGHT Input RF Input Z: 50 Ω Atten: 36 dB Trig: Free Run Center Freq: 704.000000 MHz
 RL Coupling: DC Corr: CCorr Preamp: Off Gate: Off Avg/Hold: 1000/1000
 Align: Off Freq Ref: Int (S) #F Gain: Low Radio Std: None

1 Graph Scale/Div 10.0 dB Ref Lvl Offset 5.50 dB Mkr1 703.460000 MHz
 Ref Value 30.00 dBm 15.96 dBm

Center 704.00 MHz #Res BW 150.00 kHz #Video BW 470.00 kHz Span 30 MHz #Sweep 10.0 ms (1001 pts)

2 Metrics

Measure Trace		Trace 1	
Occupied Bandwidth	8.9880 MHz	Total Power	31.4 dBm
Transmit Freq Error	-168.83 kHz	% of OBW Power	99.00 %
x dB Bandwidth	9.912 MHz	x dB	-26.00 dB

May 21, 2024 1:05:54 AM

N12-10M-OBW-L-DFT-s-OFDM-64QAM

Spectrum Analyzer 1 Occupied BW

KEYSIGHT Input RF Input Z: 50 Ω Atten: 36 dB Trig: Free Run Center Freq: 704.000000 MHz
 RL Coupling: DC Corr: CCorr Preamp: Off Gate: Off Avg/Hold: 1000/1000
 Align: Off Freq Ref: Int (S) #F Gain: Low Radio Std: None

1 Graph Scale/Div 10.0 dB Ref Lvl Offset 5.50 dB Mkr1 706.010000 MHz
 Ref Value 30.00 dBm 15.53 dBm

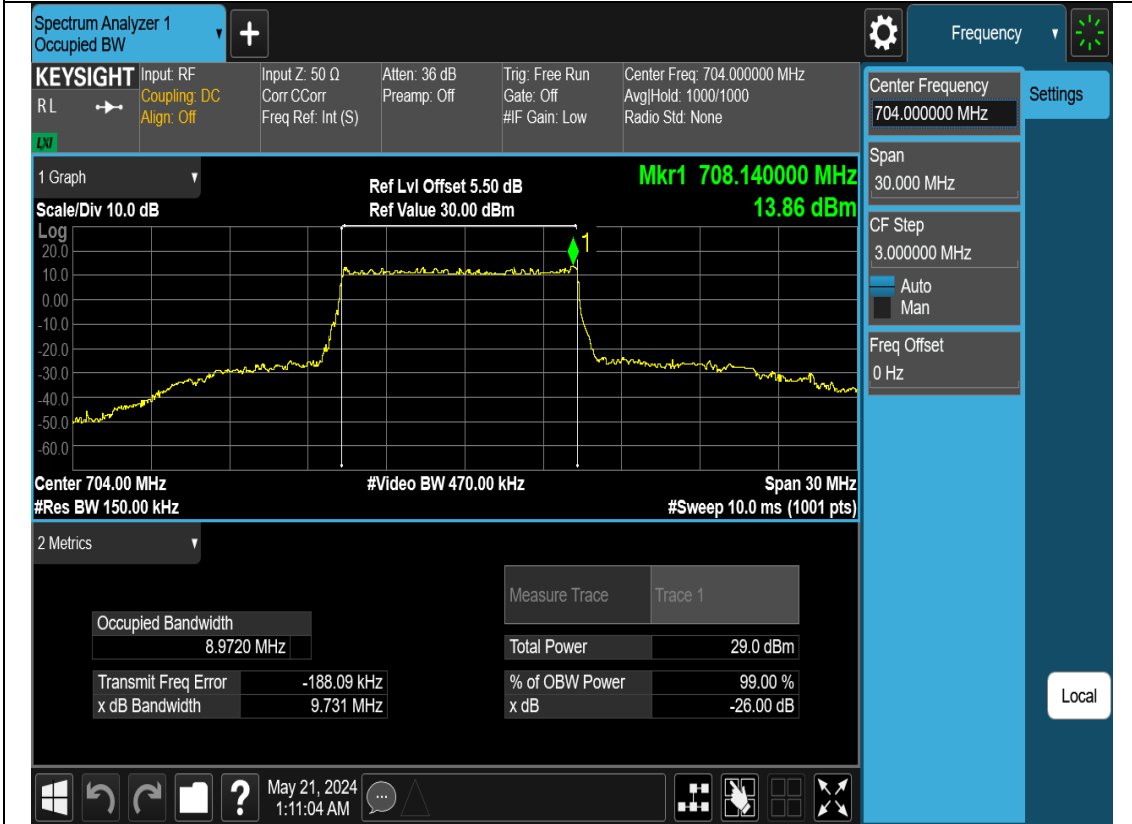
Center 704.00 MHz #Res BW 150.00 kHz #Video BW 470.00 kHz Span 30 MHz #Sweep 10.0 ms (1001 pts)

2 Metrics

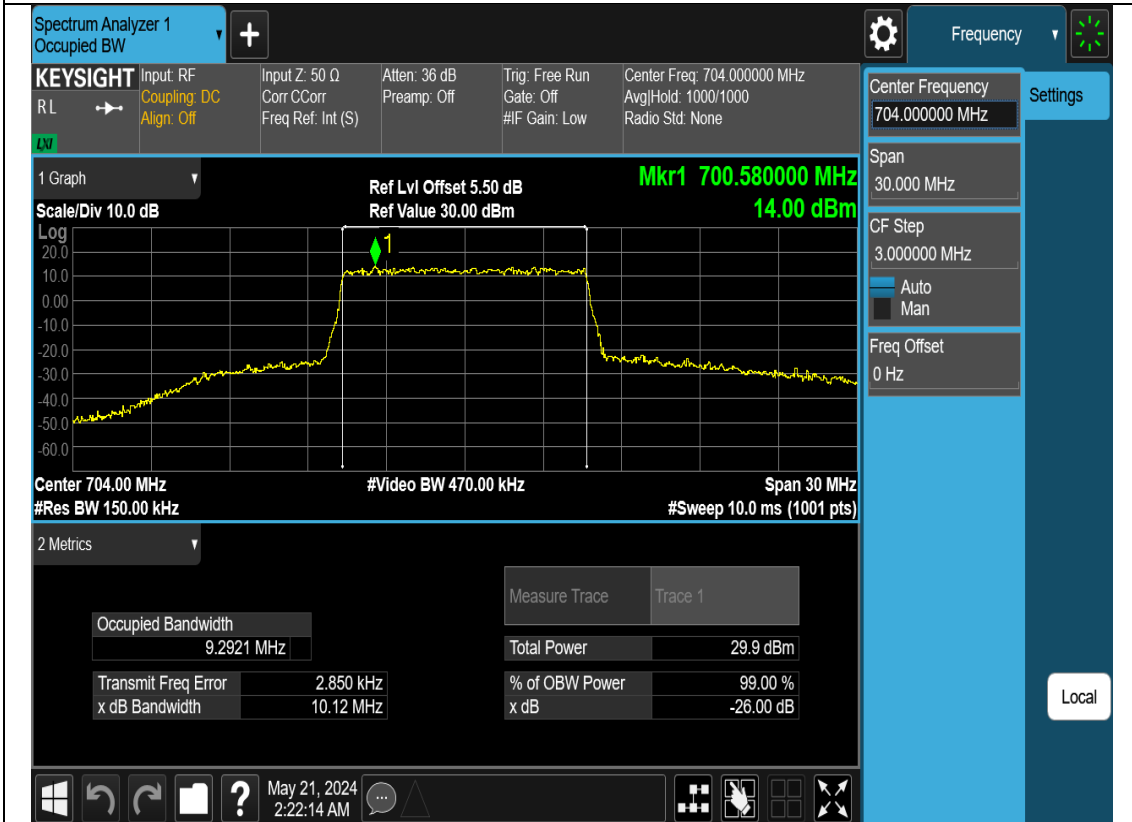
Measure Trace		Trace 1	
Occupied Bandwidth	8.9607 MHz	Total Power	31.0 dBm
Transmit Freq Error	-173.55 kHz	% of OBW Power	99.00 %
x dB Bandwidth	9.816 MHz	x dB	-26.00 dB

May 21, 2024 1:08:29 AM

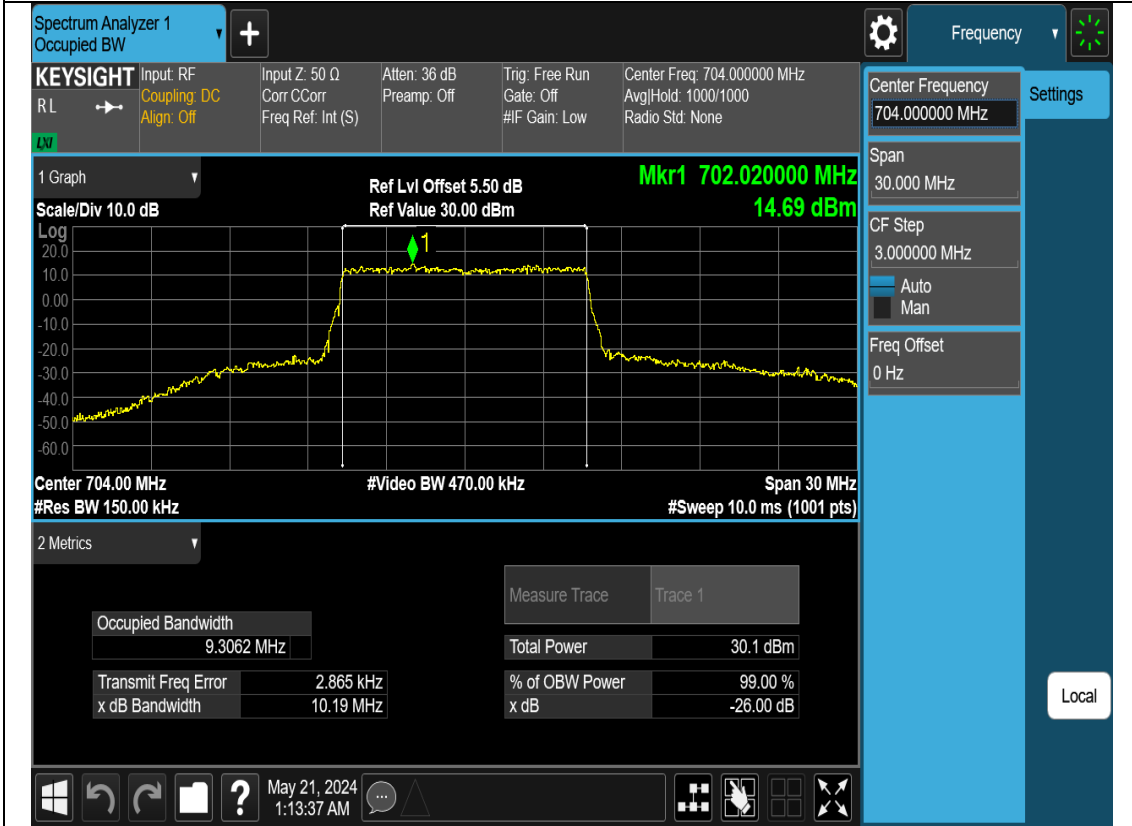
N12-10M-OBW-L-DFT-s-OFDM-256QAM



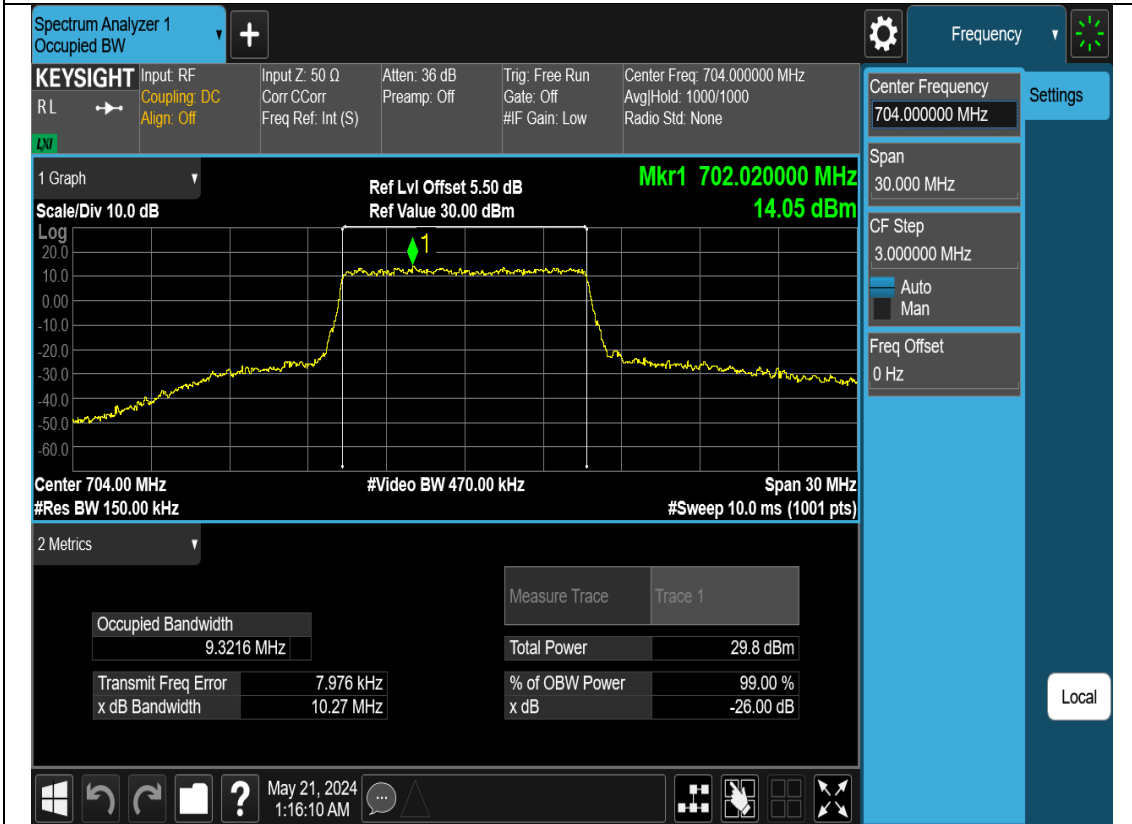
N12-10M-OBW-L-CP-OFDM-QPSK



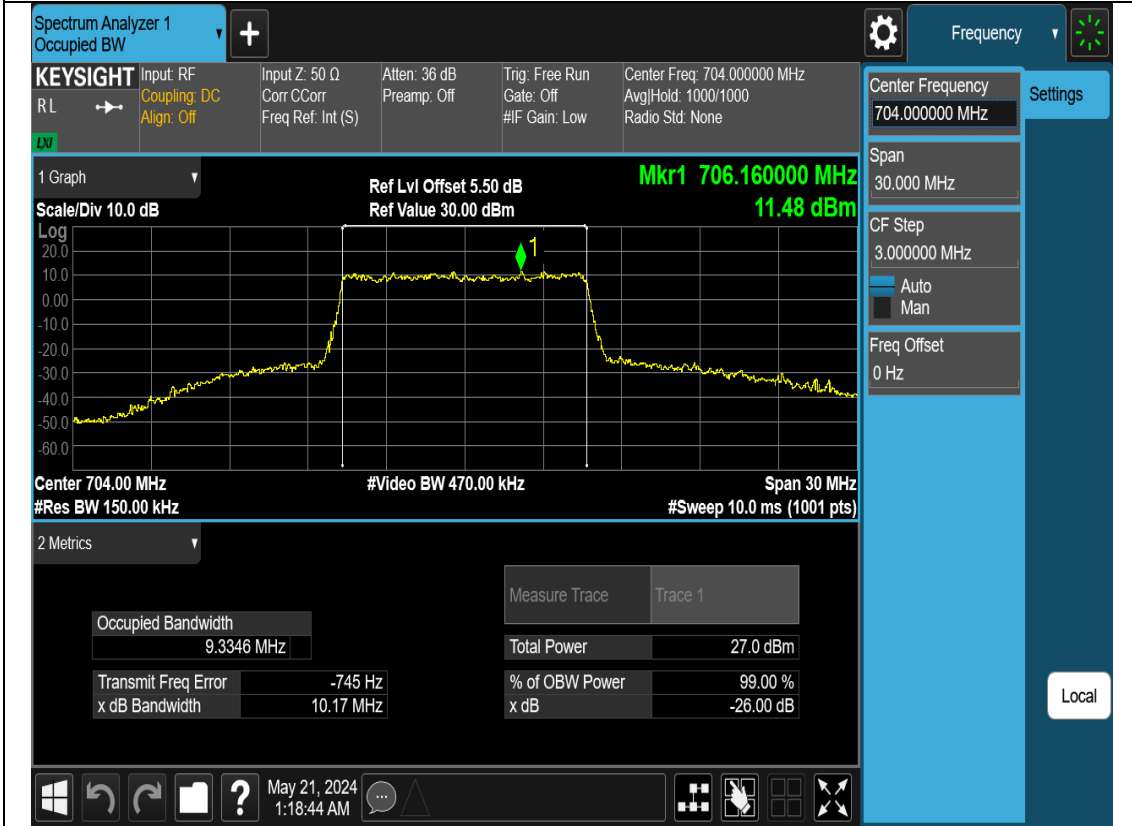
N12-10M-OBW-L-CP-OFDM-16QAM



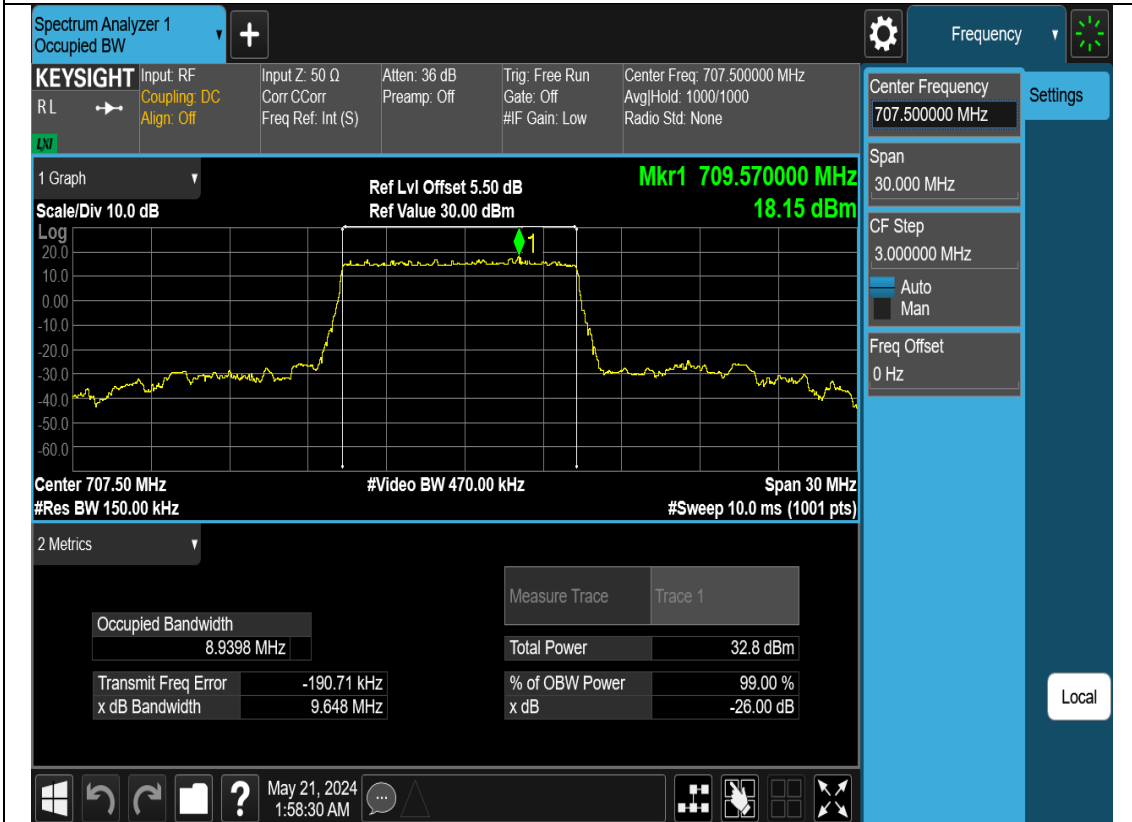
N12-10M-OBW-L-CP-OFDM-64QAM



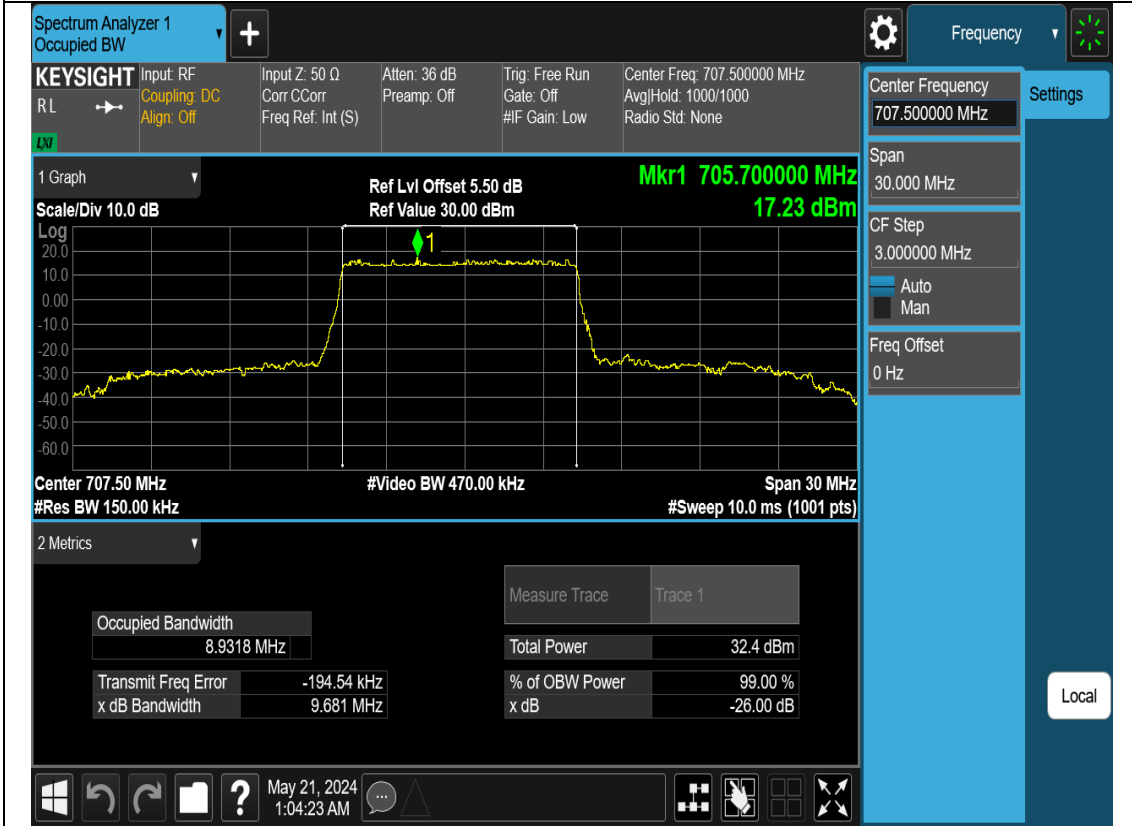
N12-10M-OBW-L-CP-OFDM-256QAM



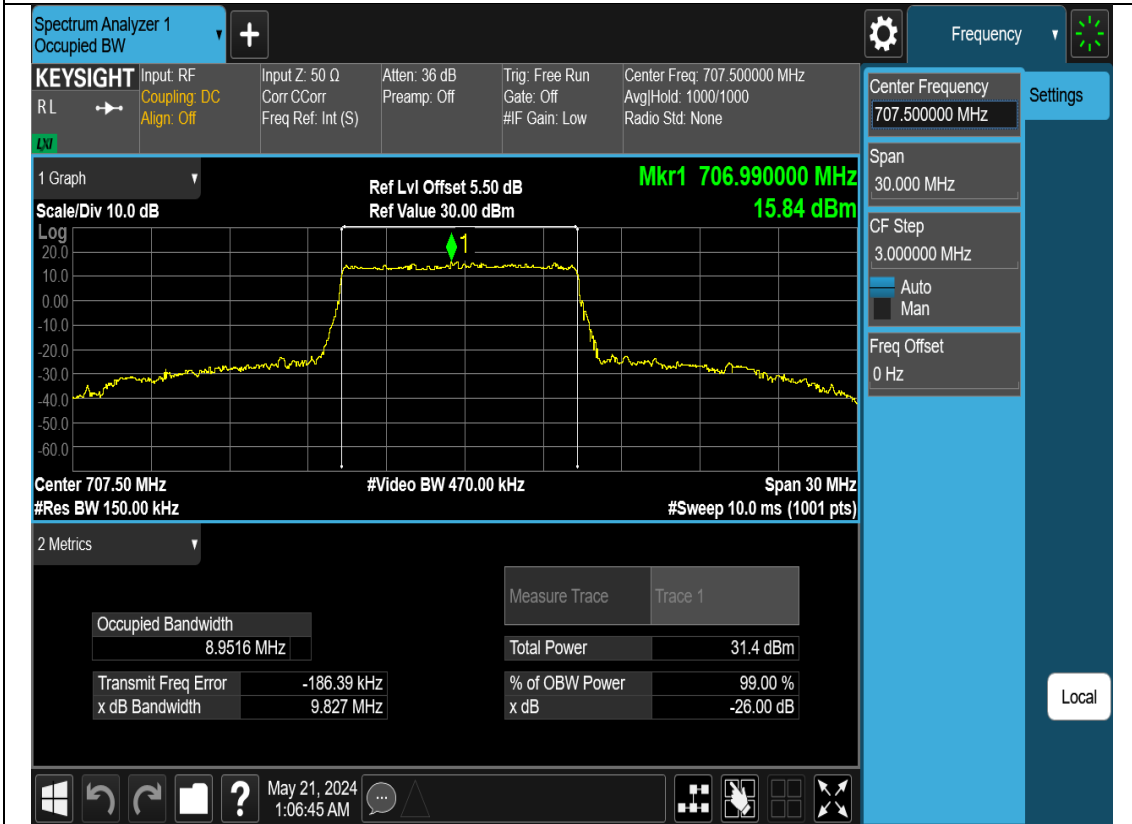
N12-10M-OBW-M-DFT-s-OFDM-Pi2 BPSK



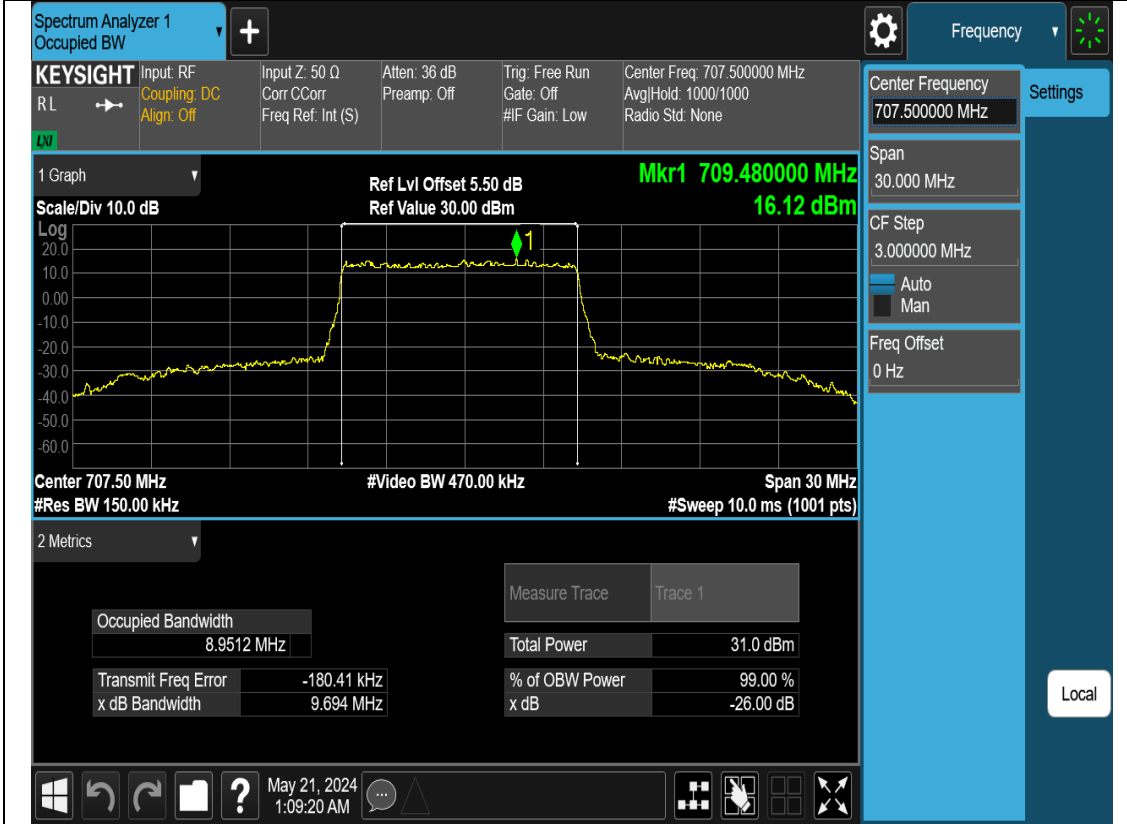
N12-10M-OBW-M-DFT-s-OFDM-QPSK



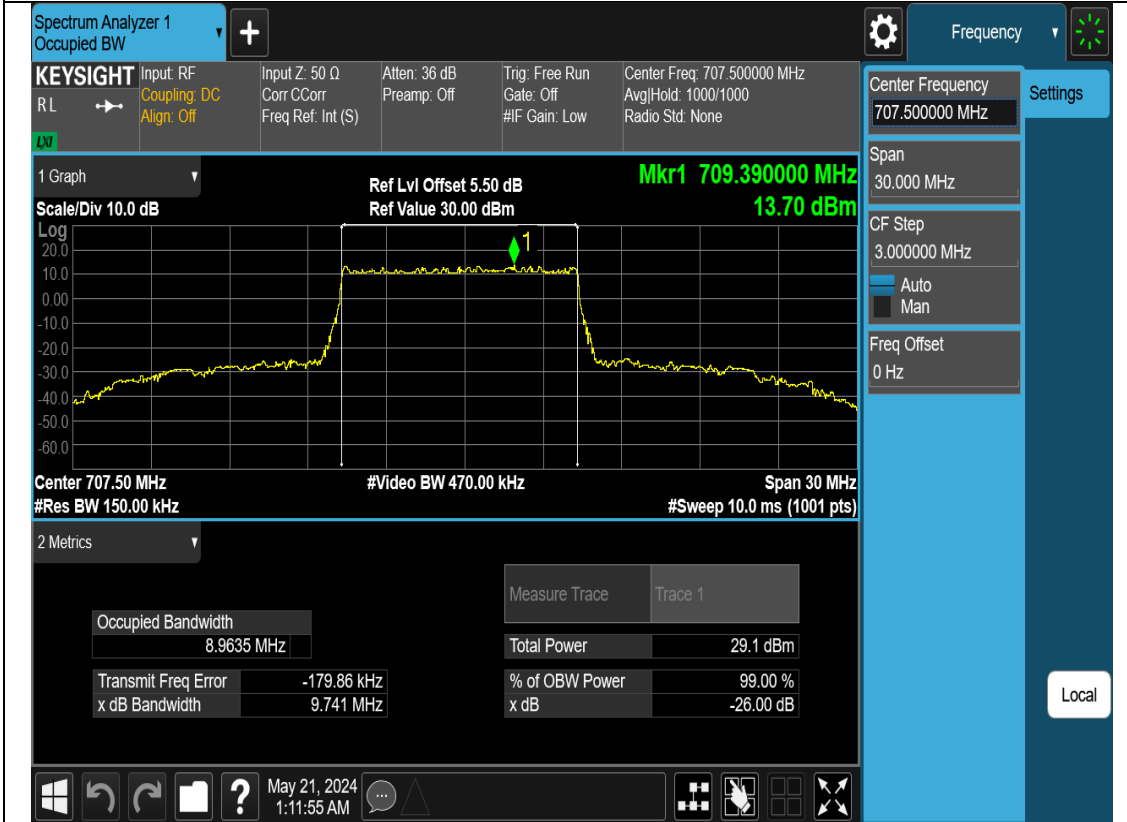
N12-10M-OBW-M-DFT-s-OFDM-16QAM



N12-10M-OBW-M-DFT-s-OFDM-64QAM



N12-10M-OBW-M-DFT-s-OFDM-256QAM



N12-10M-OBW-M-CP-OFDM-QPSK

Spectrum Analyzer 1
Occupied BW

KEYSIGHT Input RF
RL Coupling: DC
Align: Off

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

Atten: 36 dB
Preamp: Off

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

Center Freq: 707.500000 MHz
Avg/Hold: 1000/1000
Radio Std: None

Center Frequency: 707.500000 MHz
Span: 30.000 MHz
CF Step: 3.000000 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 707.950000 MHz
14.67 dBm

Center 707.50 MHz
#Res BW 150.00 kHz
#Video BW 470.00 kHz
Span 30 MHz
#Sweep 10.0 ms (1001 pts)

2 Metrics

Measure Trace		Trace 1	
Occupied Bandwidth	9.2888 MHz	Total Power	29.9 dBm
Transmit Freq Error	-8.630 kHz	% of OBW Power	99.00 %
x dB Bandwidth	10.20 MHz	x dB	-26.00 dB

May 21, 2024
2:29:55 AM

Local

N12-10M-OBW-M-CP-OFDM-16QAM

Spectrum Analyzer 1
Occupied BW

KEYSIGHT Input RF
RL Coupling: DC
Align: Off

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

Atten: 36 dB
Preamp: Off

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

Center Freq: 707.500000 MHz
Avg/Hold: 1000/1000
Radio Std: None

Center Frequency: 707.500000 MHz
Span: 30.000 MHz
CF Step: 3.000000 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 703.780000 MHz
14.65 dBm

Center 707.50 MHz
#Res BW 150.00 kHz
#Video BW 470.00 kHz
Span 30 MHz
#Sweep 10.0 ms (1001 pts)

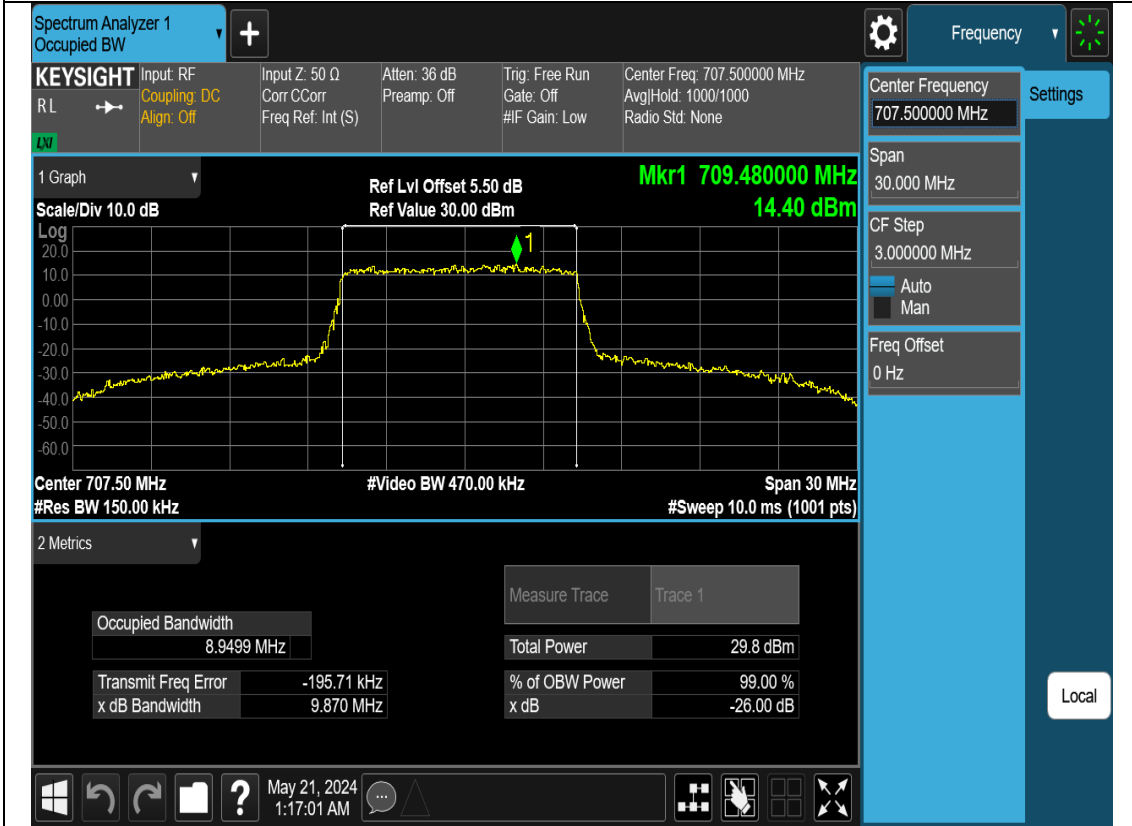
2 Metrics

Measure Trace		Trace 1	
Occupied Bandwidth	8.9301 MHz	Total Power	30.2 dBm
Transmit Freq Error	-187.44 kHz	% of OBW Power	99.00 %
x dB Bandwidth	9.694 MHz	x dB	-26.00 dB

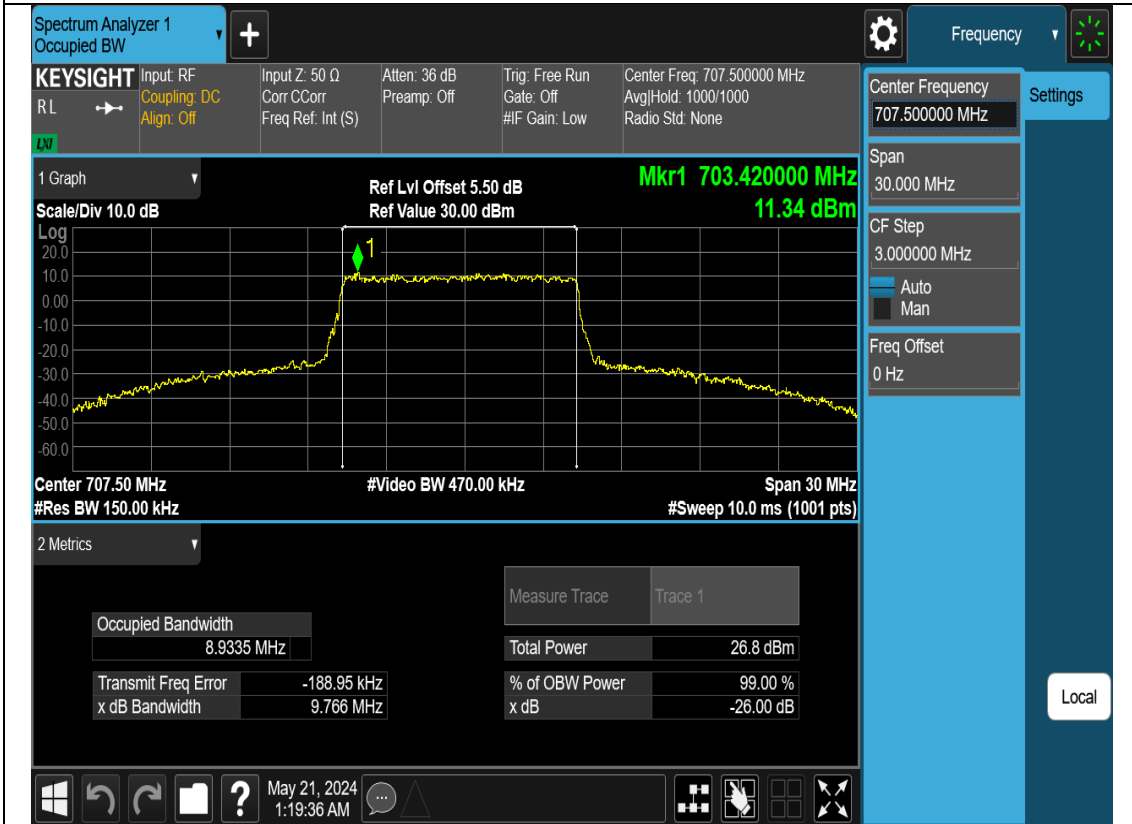
May 21, 2024
1:14:28 AM

Local

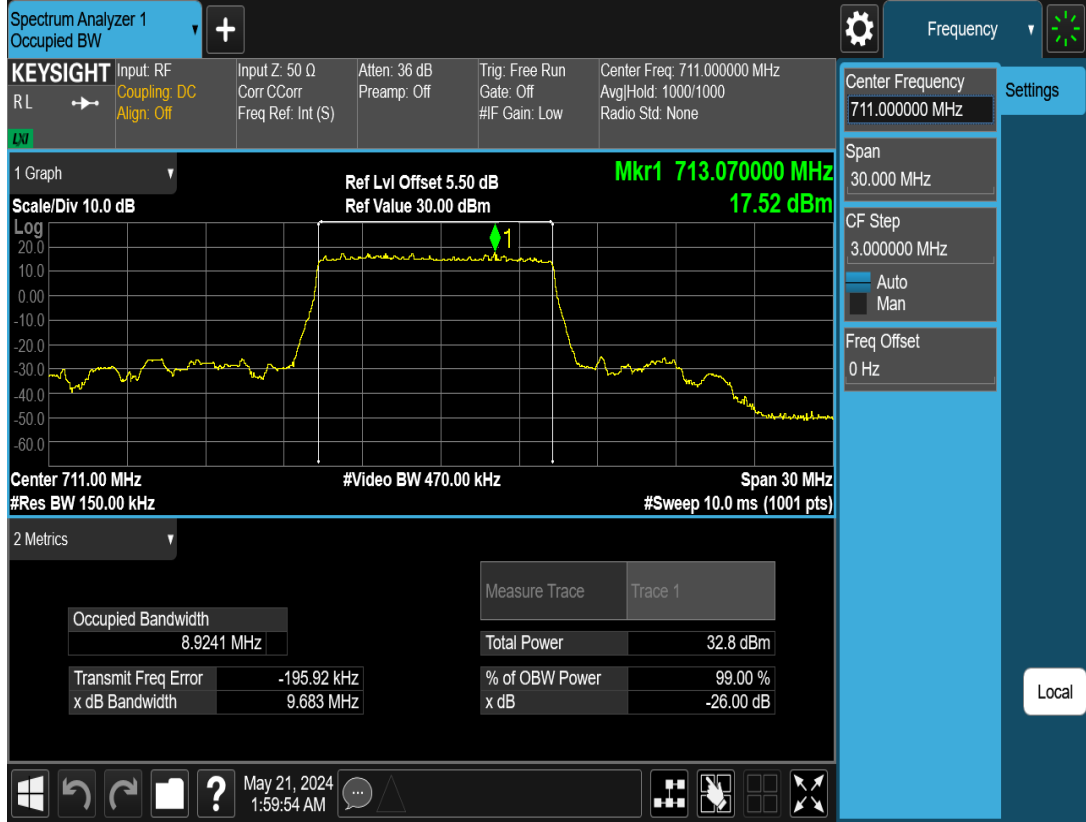
N12-10M-OBW-M-CP-OFDM-64QAM



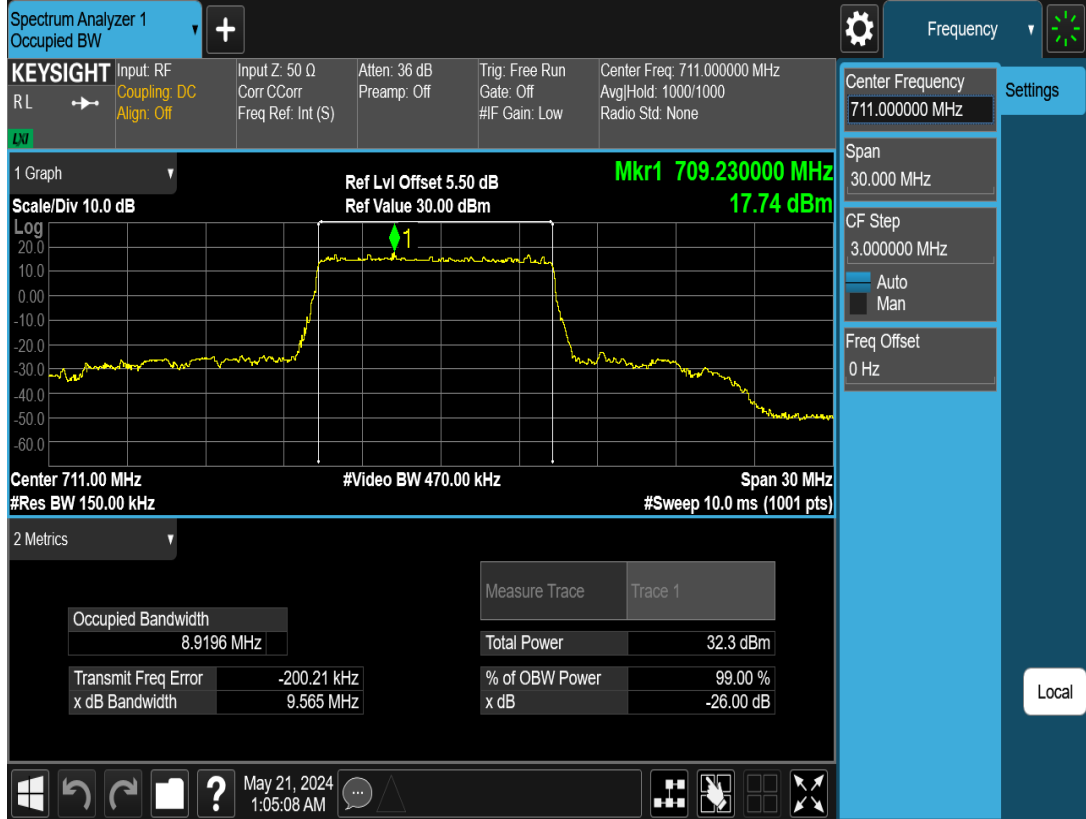
N12-10M-OBW-M-CP-OFDM-256QAM



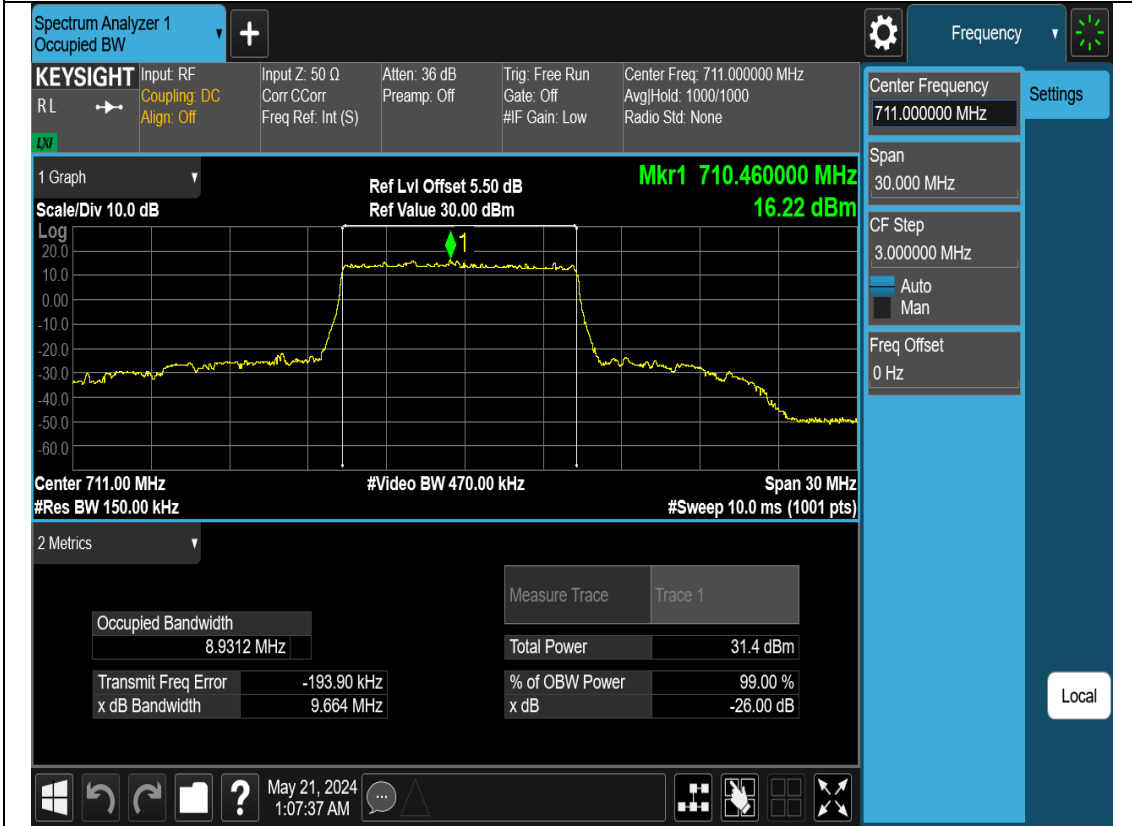
N12-10M-OBW-H-DFT-s-OFDM-Pi2 BPSK



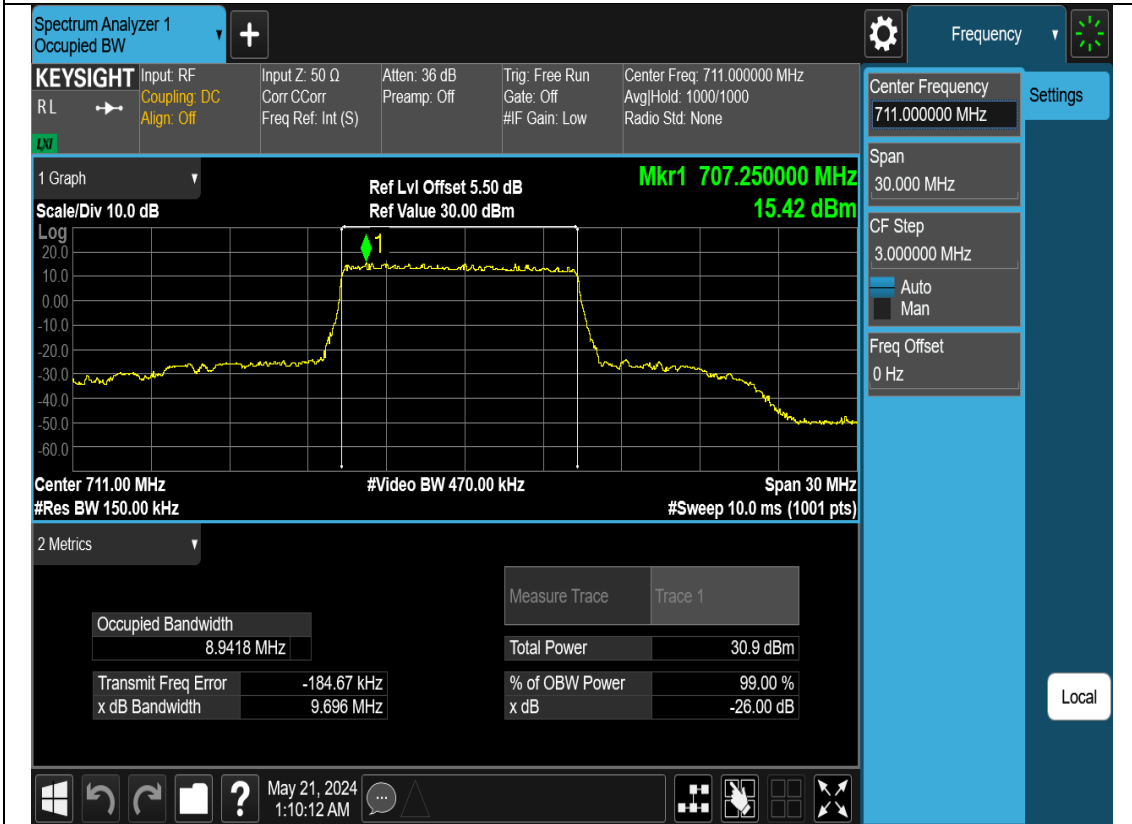
N12-10M-OBW-H-DFT-s-OFDM-QPSK



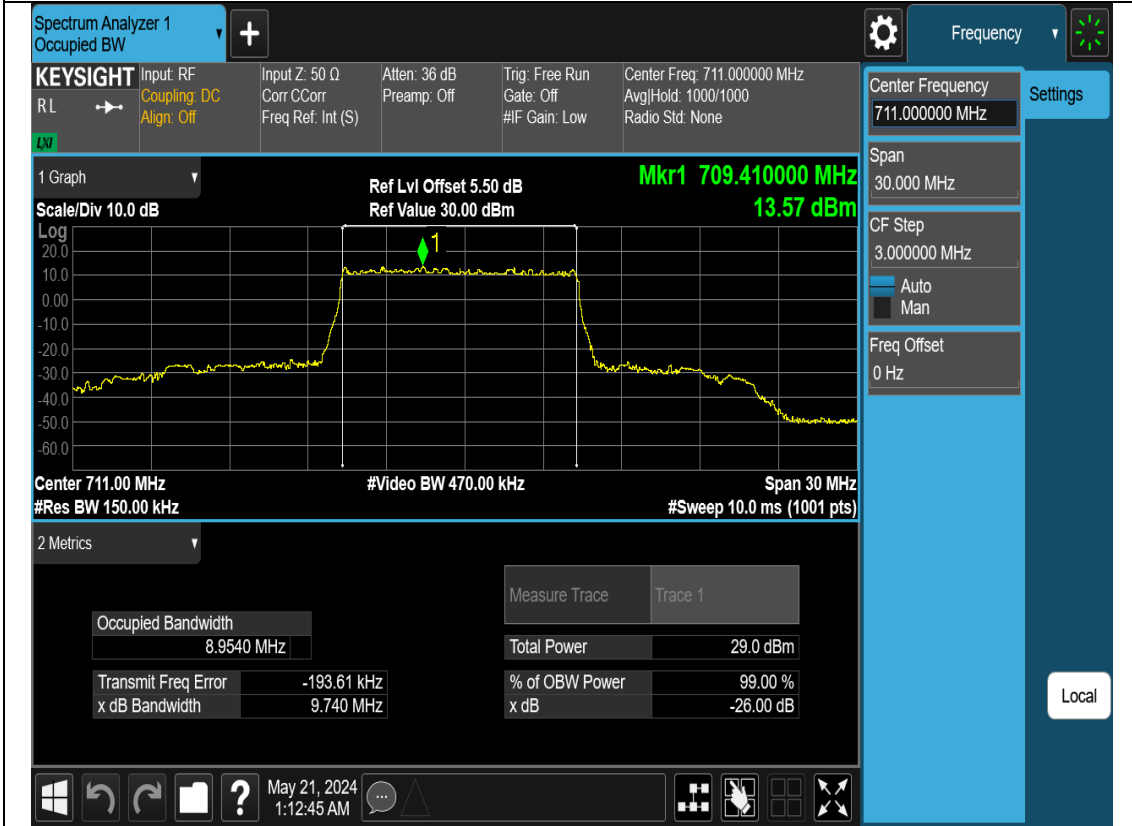
N12-10M-OBW-H-DFT-s-OFDM-16QAM



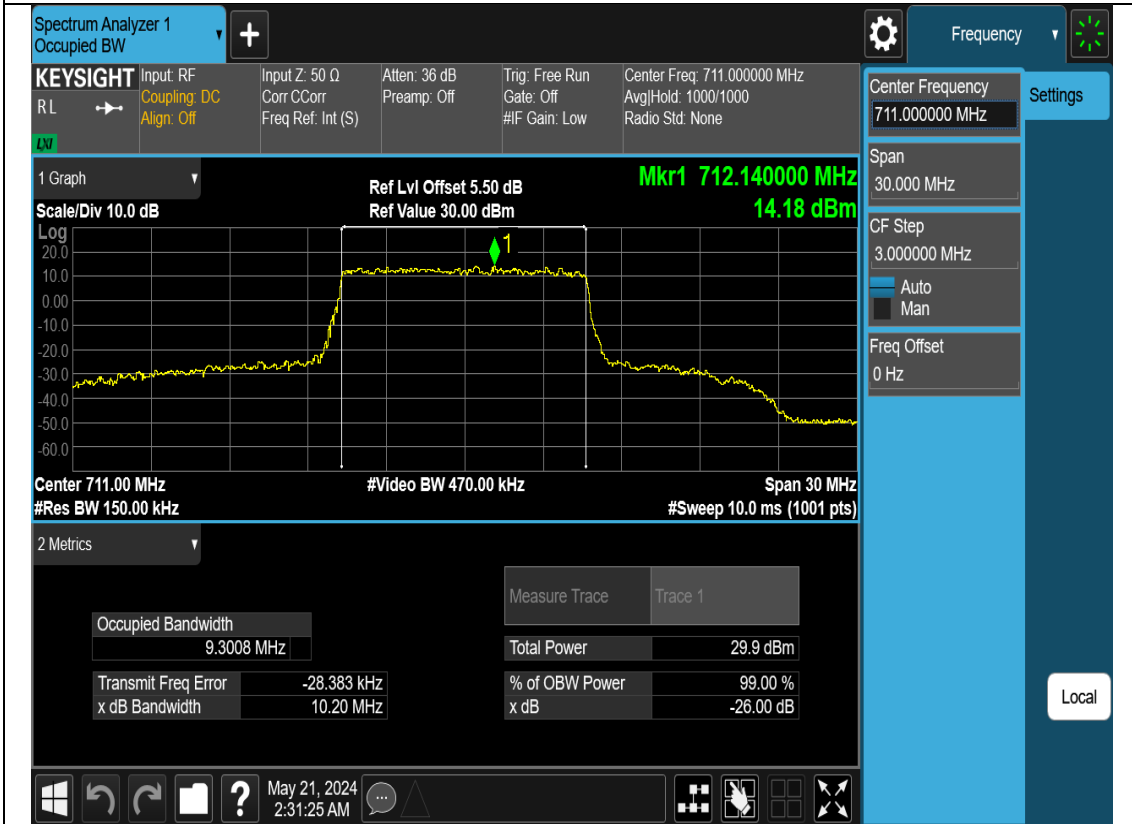
N12-10M-OBW-H-DFT-s-OFDM-64QAM



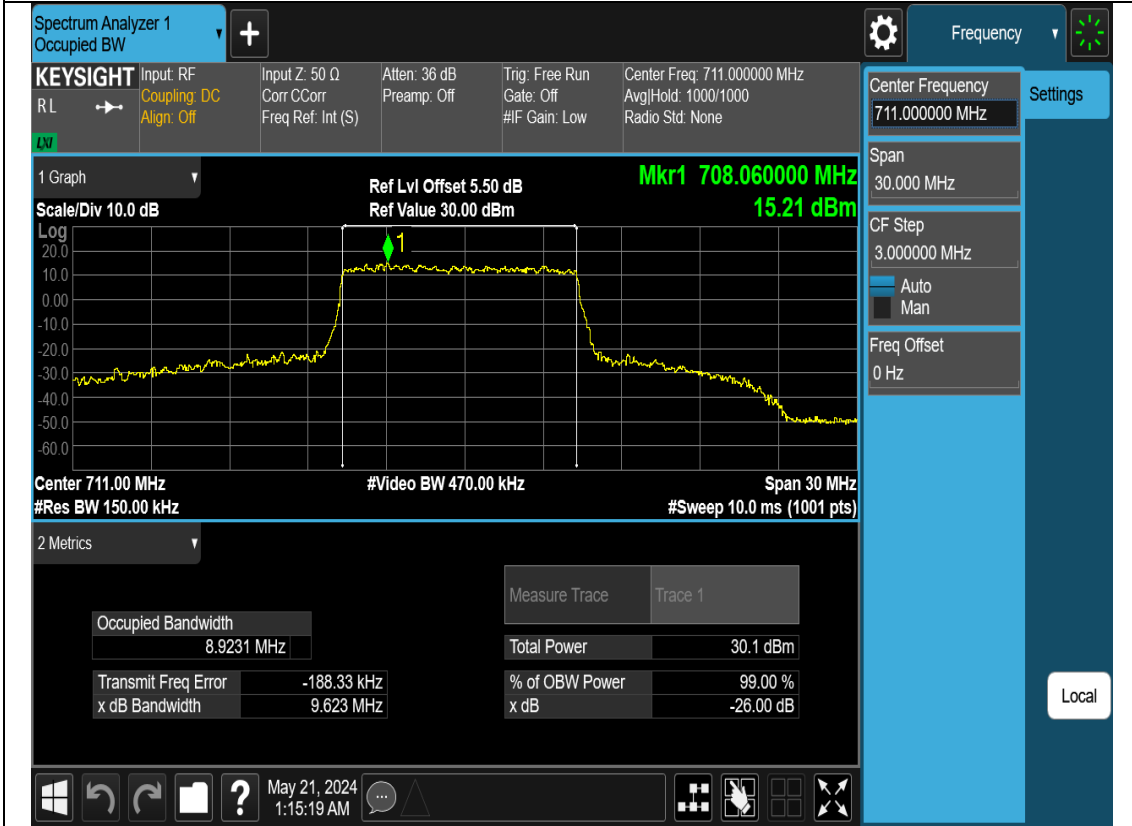
N12-10M-OBW-H-DFT-s-OFDM-256QAM



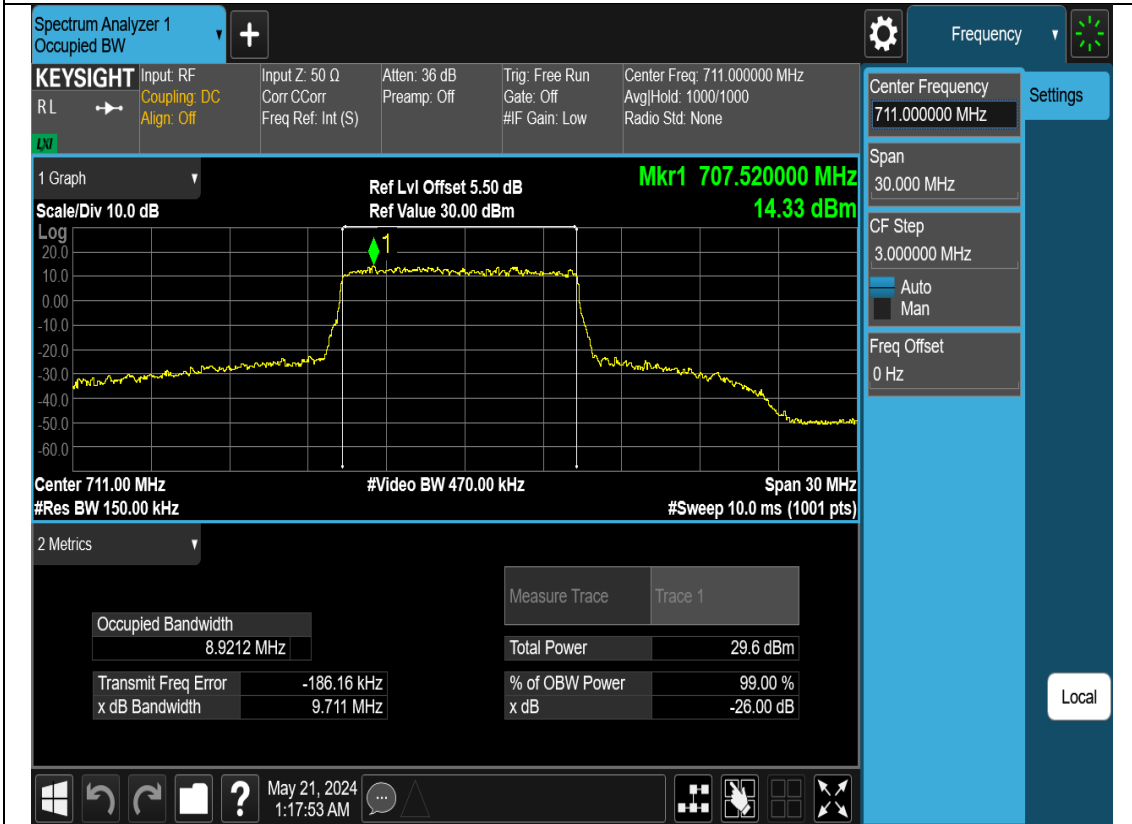
N12-10M-OBW-H-CP-OFDM-QPSK



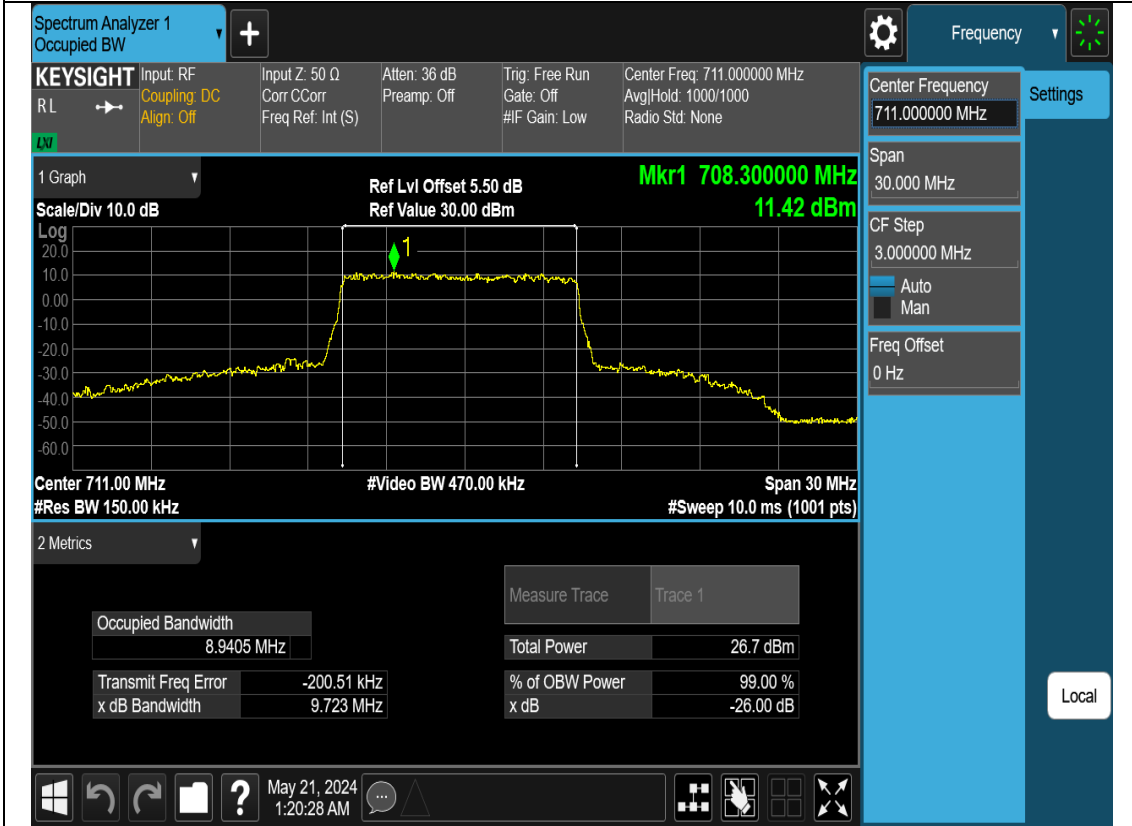
N12-10M-OBW-H-CP-OFDM-16QAM



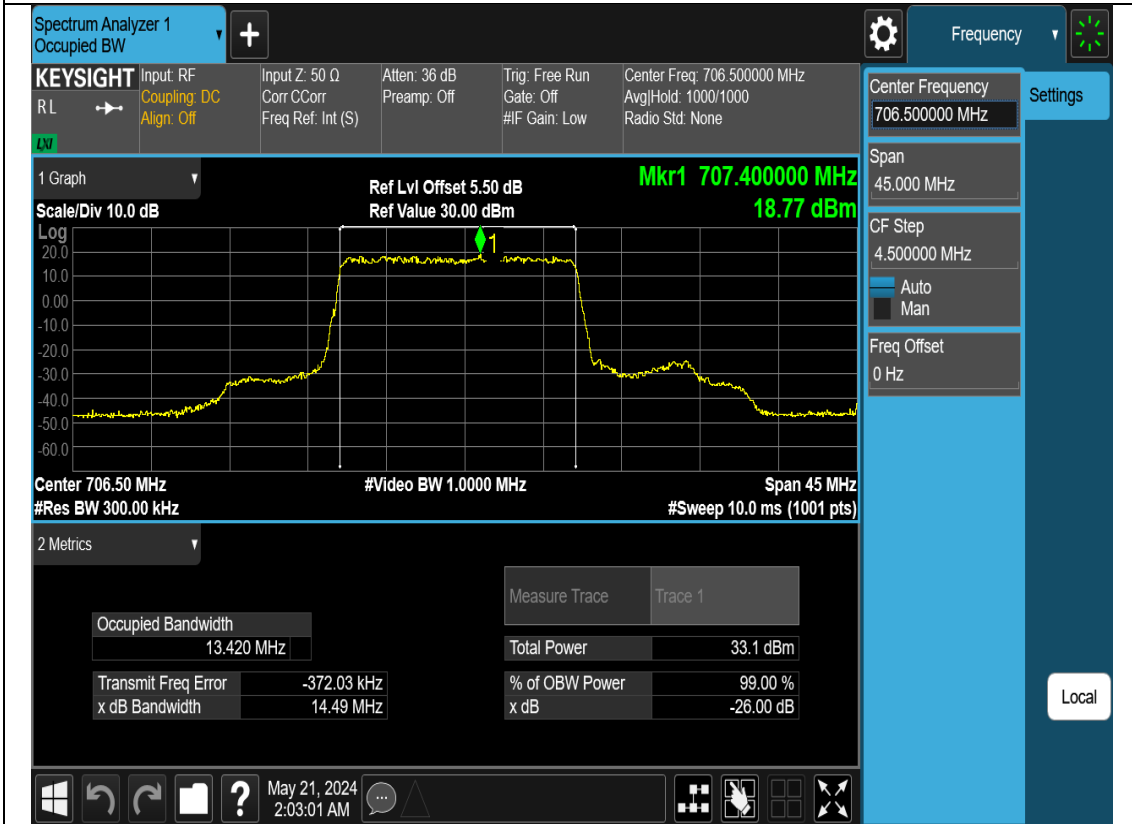
N12-10M-OBW-H-CP-OFDM-64QAM



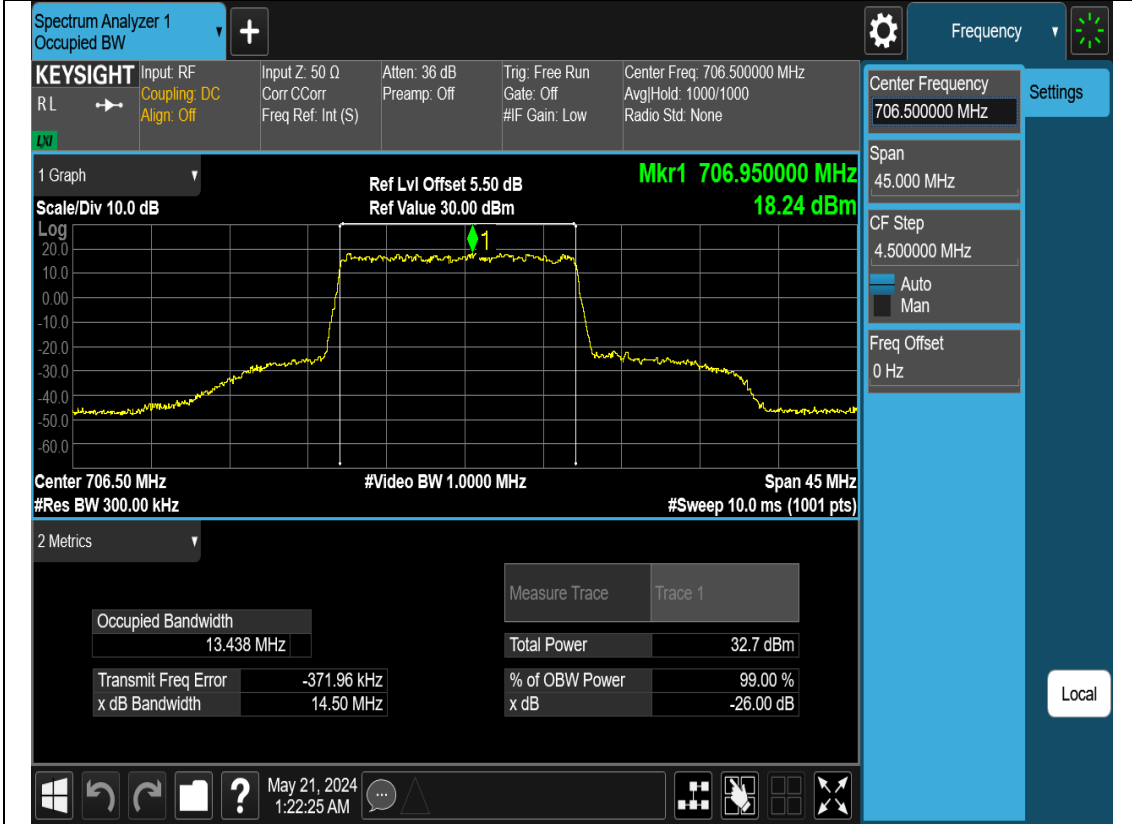
N12-10M-OBW-H-CP-OFDM-256QAM



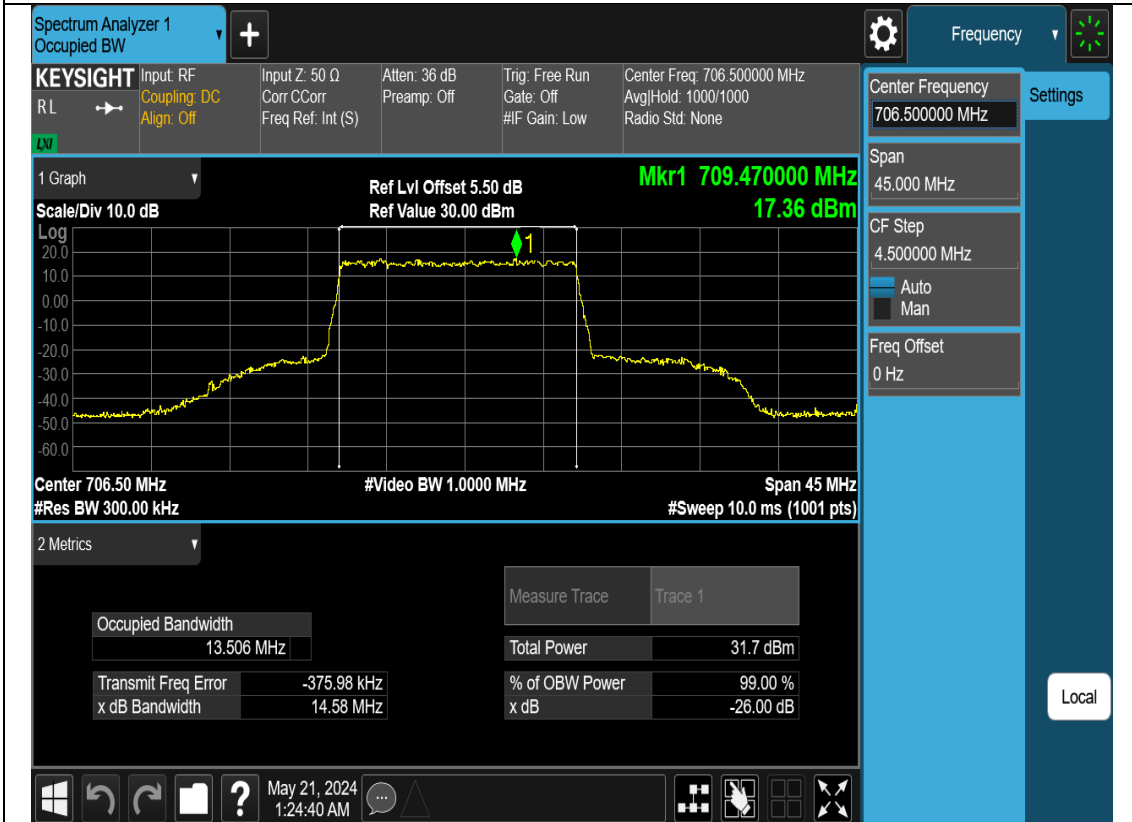
N12-15M-OBW-L-DFT-s-OFDM-Pi2 BPSK



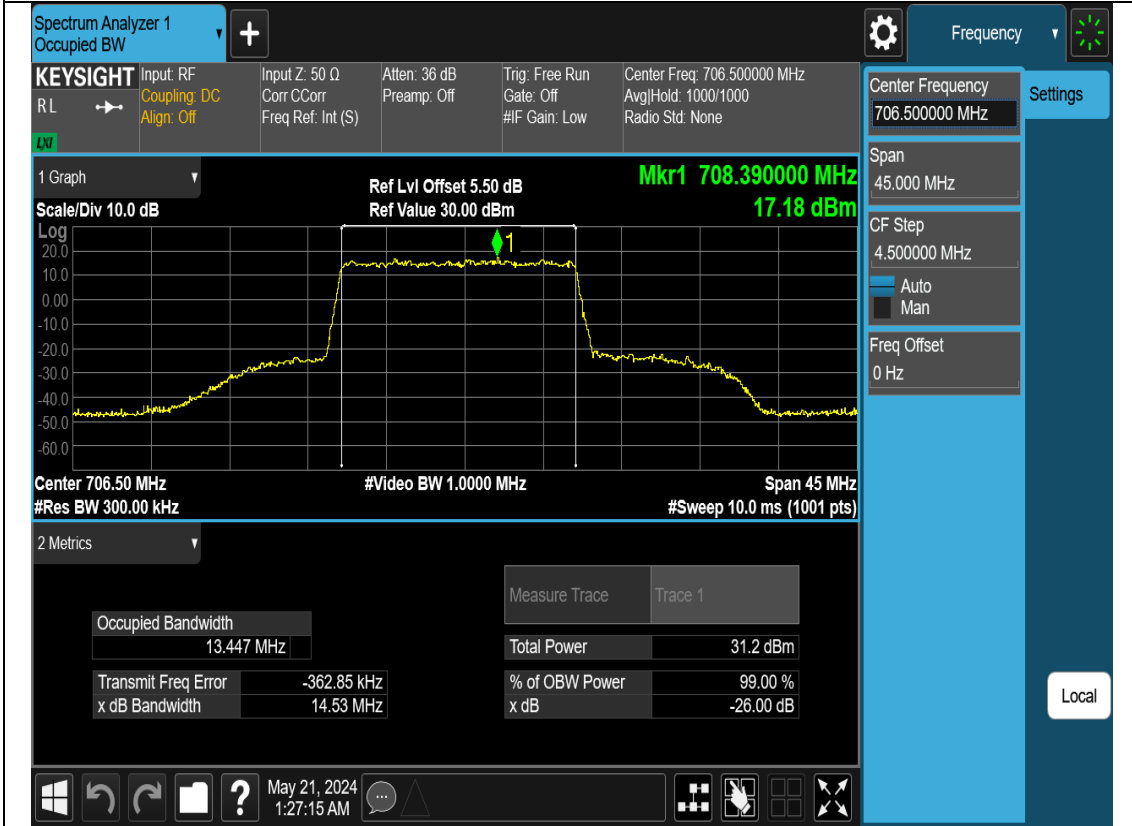
N12-15M-OBW-L-DFT-s-OFDM-QPSK



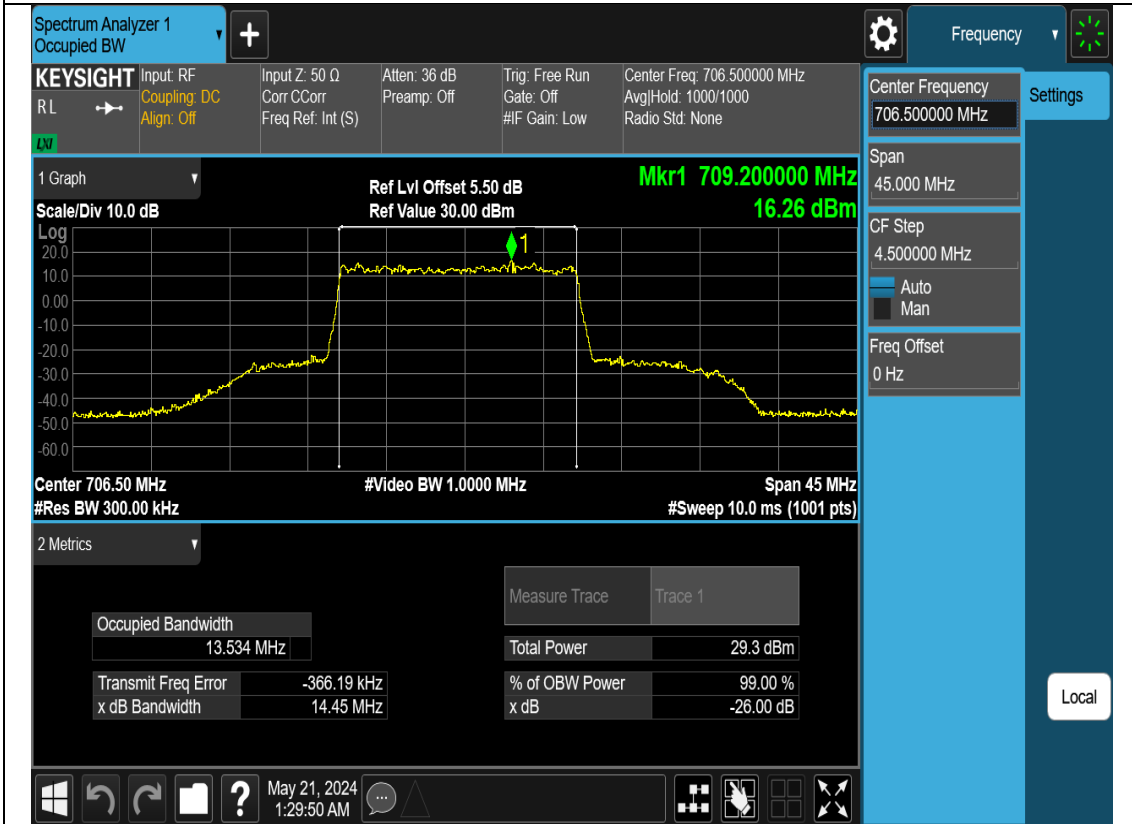
N12-15M-OBW-L-DFT-s-OFDM-16QAM



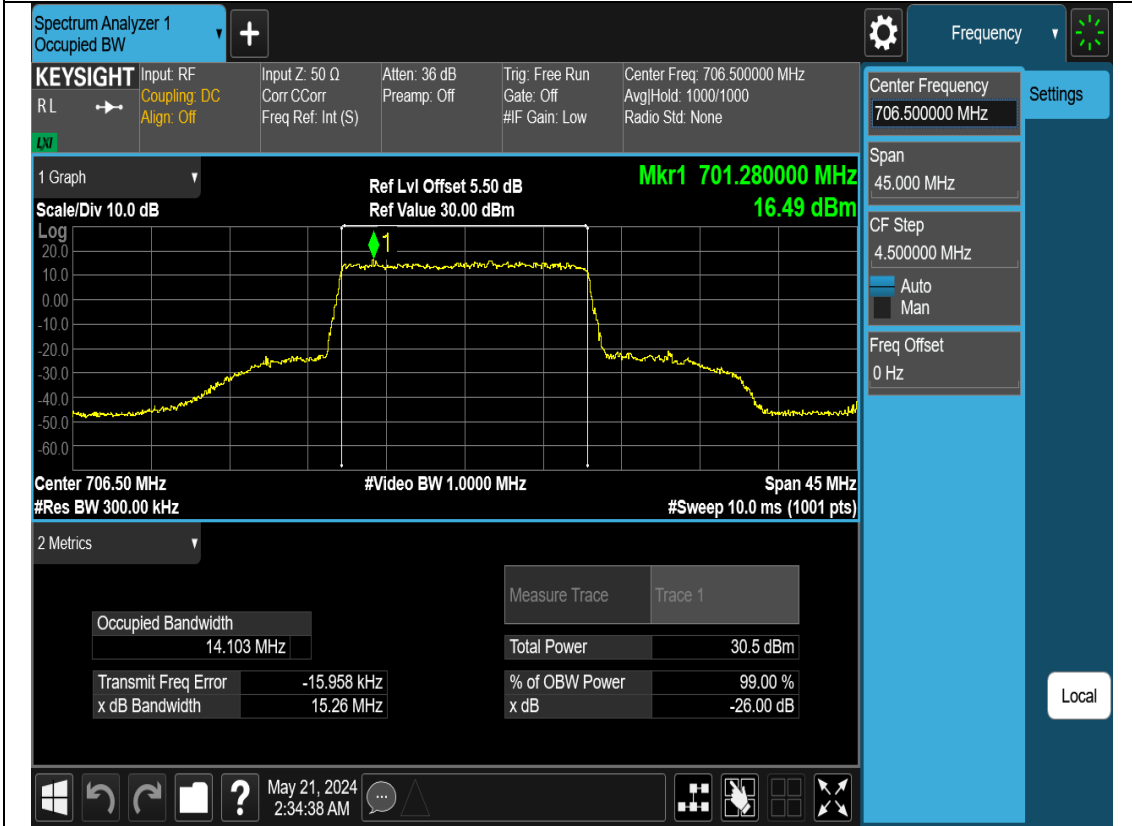
N12-15M-OBW-L-DFT-s-OFDM-64QAM



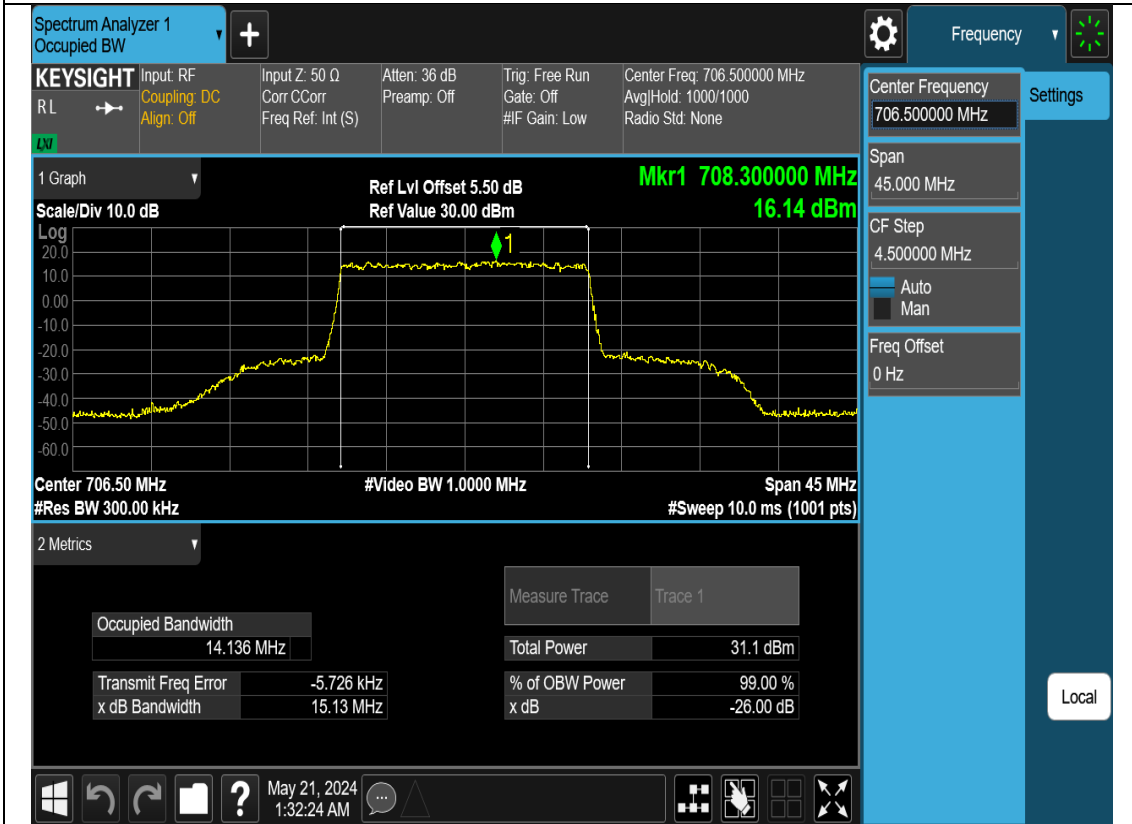
N12-15M-OBW-L-DFT-s-OFDM-256QAM



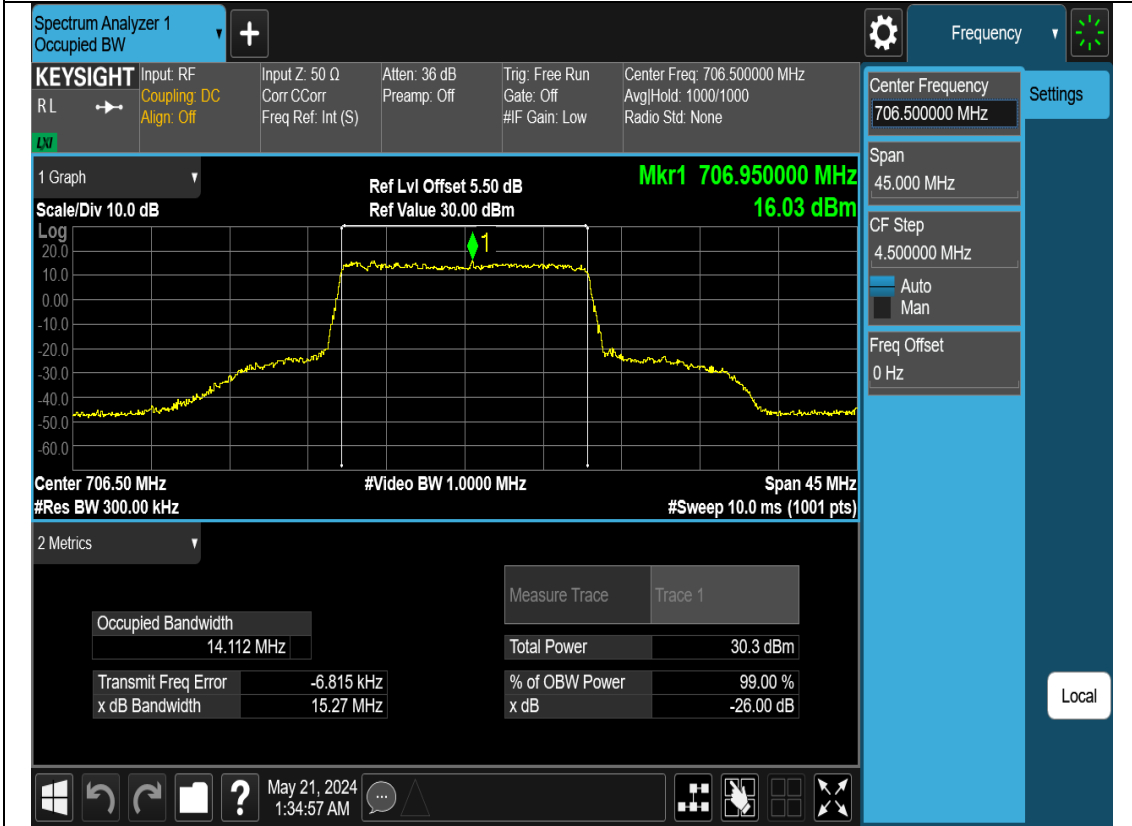
N12-15M-OBW-L-CP-OFDM-QPSK



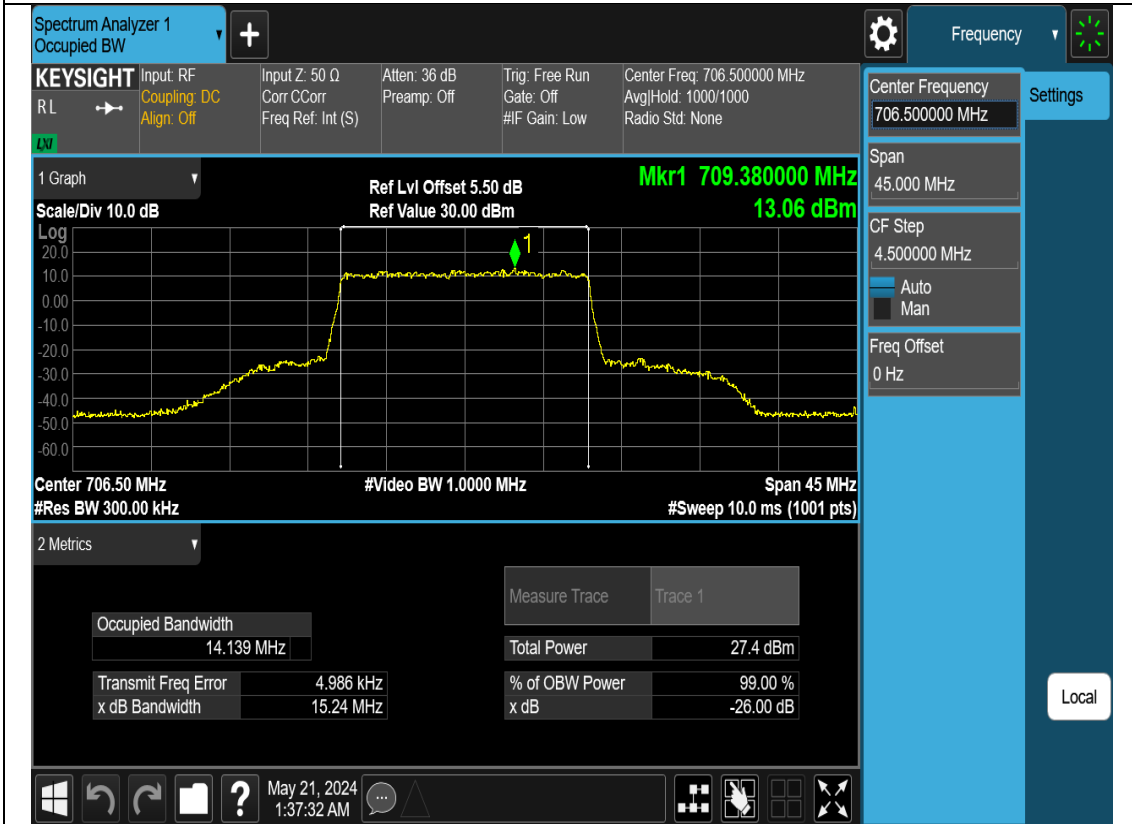
N12-15M-OBW-L-CP-OFDM-16QAM



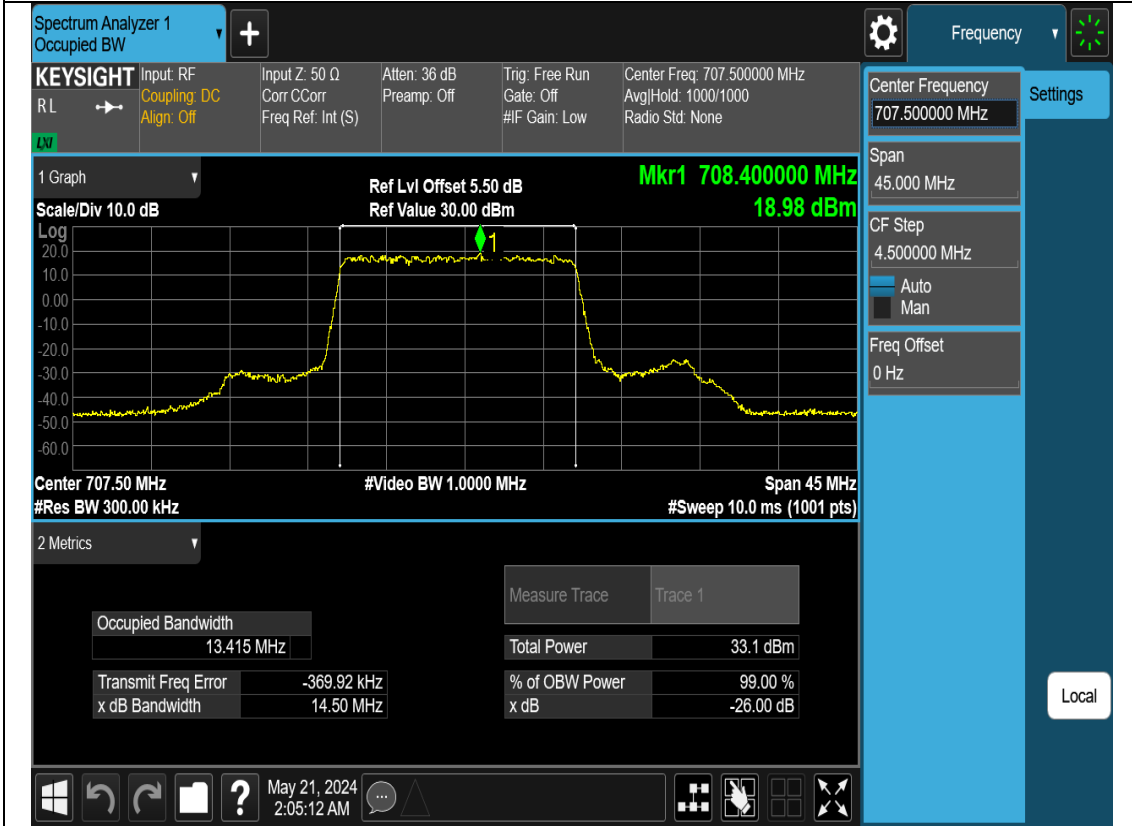
N12-15M-OBW-L-CP-OFDM-64QAM



N12-15M-OBW-L-CP-OFDM-256QAM



N12-15M-OBW-M-DFT-s-OFDM-Pi2 BPSK



N12-15M-OBW-M-DFT-s-OFDM-QPSK

