

# 99% & 26dB Bandwidth

## Test Result

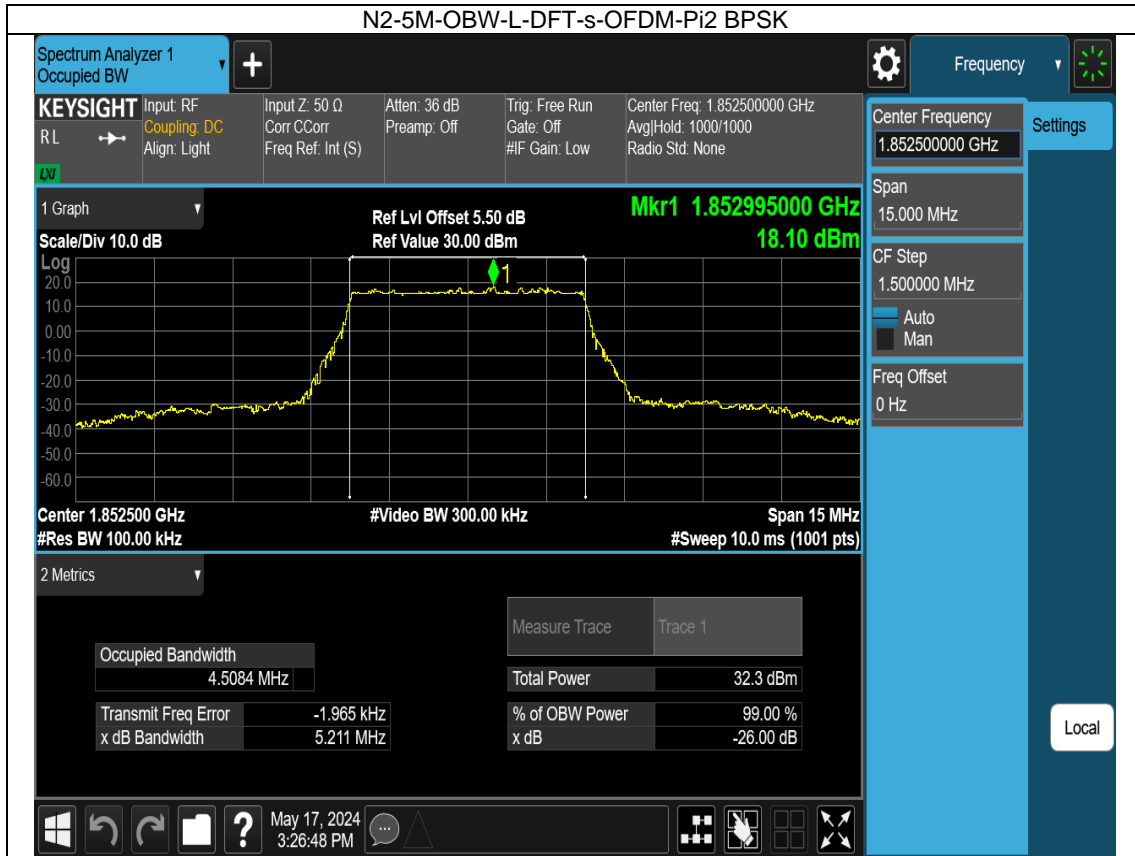
5G NR n2 SCS=15kHz 5MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	4.508	5.211	/	Pass
DFT-s-OFDM QPSK		Outer_Full	4.487	5.125	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	4.529	5.145	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	4.502	5.166	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	4.496	5.103	/	Pass
CP-OFDM QPSK		Outer_Full	4.518	5.229	/	Pass
CP-OFDM 16QAM		Outer_Full	4.502	5.267	/	Pass
CP-OFDM 64QAM		Outer_Full	4.524	5.299	/	Pass
CP-OFDM 256QAM		Outer_Full	4.504	5.201	/	Pass
DFT-s-OFDM PI/2 BPSK		Middle CH	Outer_Full	4.505	5.131	/
DFT-s-OFDM QPSK	Outer_Full		4.478	5.085	/	Pass
DFT-s-OFDM 16QAM	Outer_Full		4.509	5.143	/	Pass
DFT-s-OFDM 64QAM	Outer_Full		4.510	5.13	/	Pass
DFT-s-OFDM 256QAM	Outer_Full		4.492	5.067	/	Pass
CP-OFDM QPSK	Outer_Full		4.548	5.262	/	Pass
CP-OFDM 16QAM	Outer_Full		4.502	5.255	/	Pass
CP-OFDM 64QAM	Outer_Full		4.518	5.153	/	Pass
CP-OFDM 256QAM	Outer_Full		5.000	5.317	/	Pass
DFT-s-OFDM PI/2 BPSK	High CH		Outer_Full	4.489	5.128	/
DFT-s-OFDM QPSK		Outer_Full	4.488	5.114	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	4.501	4.973	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	4.505	5.107	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	4.508	5.155	/	Pass
CP-OFDM QPSK		Outer_Full	4.493	5.142	/	Pass
CP-OFDM 16QAM		Outer_Full	4.517	5.212	/	Pass
CP-OFDM 64QAM		Outer_Full	4.504	5.231	/	Pass
CP-OFDM 256QAM		Outer_Full	4.486	5.244	/	Pass

5G NR n2 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	8.942	9.588	/	Pass
DFT-s-OFDM QPSK		Outer_Full	8.928	9.709	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	8.949	9.745	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	8.937	9.607	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	8.969	9.771	/	Pass
CP-OFDM QPSK		Outer_Full	9.295	10.17	/	Pass
CP-OFDM 16QAM		Outer_Full	9.319	10.13	/	Pass
CP-OFDM 64QAM		Outer_Full	9.305	10.07	/	Pass
CP-OFDM 256QAM		Outer_Full	9.321	10.12	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	8.957	9.702	/	Pass
DFT-s-OFDM QPSK		Outer_Full	8.923	9.726	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	8.954	9.706	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	8.943	9.712	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	8.959	9.726	/	Pass
CP-OFDM QPSK		Outer_Full	9.293	10.05	/	Pass
CP-OFDM 16QAM		Outer_Full	9.315	10.03	/	Pass
CP-OFDM 64QAM		Outer_Full	9.312	10.05	/	Pass
CP-OFDM 256QAM		Outer_Full	9.326	10.10	/	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	8.920	9.799	/	Pass
DFT-s-OFDM QPSK		Outer_Full	8.939	9.832	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	8.935	9.655	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	8.930	9.672	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	8.927	9.649	/	Pass
CP-OFDM QPSK		Outer_Full	9.279	10.07	/	Pass
CP-OFDM 16QAM		Outer_Full	9.296	10.11	/	Pass
CP-OFDM 64QAM		Outer_Full	9.290	0.08	/	Pass
CP-OFDM 256QAM		Outer_Full	9.315	10.13	/	Pass

5G NR n2 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	13.437	14.61	/	Pass
DFT-s-OFDM QPSK		Outer_Full	13.441	14.45	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	13.471	14.45	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	13.449	14.58	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	13.539	14.53	/	Pass
CP-OFDM QPSK		Outer_Full	14.102	15.16	/	Pass
CP-OFDM 16QAM		Outer_Full	14.120	15.10	/	Pass
CP-OFDM 64QAM		Outer_Full	14.114	15.17	/	Pass
CP-OFDM 256QAM		Outer_Full	14.149	15.22	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	13.456	14.56	/	Pass
DFT-s-OFDM QPSK		Outer_Full	13.461	14.56	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	13.448	14.65	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	13.477	14.59	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	13.454	14.50	/	Pass
CP-OFDM QPSK		Outer_Full	14.104	15.14	/	Pass
CP-OFDM 16QAM		Outer_Full	14.125	15.24	/	Pass
CP-OFDM 64QAM		Outer_Full	14.129	15.21	/	Pass
CP-OFDM 256QAM		Outer_Full	14.142	15.15	/	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	13.488	14.41	/	Pass
DFT-s-OFDM QPSK		Outer_Full	13.476	14.57	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	13.448	14.56	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	13.433	14.43	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	13.482	14.51	/	Pass
CP-OFDM QPSK		Outer_Full	14.172	15.17	/	Pass
CP-OFDM 16QAM		Outer_Full	14.173	15.25	/	Pass
CP-OFDM 64QAM		Outer_Full	14.122	15.20	/	Pass
CP-OFDM 256QAM		Outer_Full	14.139	15.13	/	Pass

5G NR n2 SCS=15kHz 20MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	17.850	19.03	/	Pass
DFT-s-OFDM QPSK		Outer_Full	17.888	18.96	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	17.865	19.03	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	17.853	19.06	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	17.893	19.00	/	Pass
CP-OFDM QPSK		Outer_Full	18.929	20.23	/	Pass
CP-OFDM 16QAM		Outer_Full	18.912	19.86	/	Pass
CP-OFDM 64QAM		Outer_Full	18.837	20.00	/	Pass
CP-OFDM 256QAM		Outer_Full	18.769	19.76	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	17.832	19.05	/	Pass
DFT-s-OFDM QPSK		Outer_Full	17.888	18.88	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	17.866	19.06	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	17.860	19.06	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	17.894	19.06	/	Pass
CP-OFDM QPSK		Outer_Full	18.893	20.03	/	Pass
CP-OFDM 16QAM		Outer_Full	17.876	18.89	/	Pass
CP-OFDM 64QAM		Outer_Full	17.851	19.06	/	Pass
CP-OFDM 256QAM		Outer_Full	17.881	19.00	/	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	17.943	18.99	/	Pass
DFT-s-OFDM QPSK		Outer_Full	17.920	18.97	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	17.891	19.07	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	17.887	19.10	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	17.914	19.12	/	Pass
CP-OFDM QPSK		Outer_Full	18.923	20.11	/	Pass
CP-OFDM 16QAM		Outer_Full	17.905	19.05	/	Pass
CP-OFDM 64QAM		Outer_Full	17.852	19.04	/	Pass
CP-OFDM 256QAM		Outer_Full	17.934	18.84	/	Pass

# Test graph



N2-5M-OBW-L-DFT-s-OFDM-QPSK

Spectrum Analyzer 1 Occupied BW

KEYSIGHT Input RF Input Z: 50 Ω Atten: 36 dB Trig: Free Run Center Freq: 1.852500000 GHz  
 RL Coupling: DC Corr: C Corr Gate: Off Avg/Hold: 1000/1000  
 Align: Auto 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 1.853745000 GHz  
 Ref Value 30.00 dBm 18.19 dBm

Center 1.852500 GHz #Video BW 300.00 kHz Span 15 MHz  
 #Res BW 100.00 kHz #Sweep 10.0 ms (1001 pts)

2 Metrics

Occupied Bandwidth	4.4871 MHz	Total Power	31.5 dBm
Transmit Freq Error	-827 Hz	% of OBW Power	99.00 %
x dB Bandwidth	5.125 MHz	x dB	-26.00 dB

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N2-5M-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: 1.852500000 GHz  
 RL Coupling: DC Corr: C Corr Gate: Off Avg/Hold: 1000/1000  
 Align: Auto 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 1.850550000 GHz  
 Ref Value 30.00 dBm 15.67 dBm

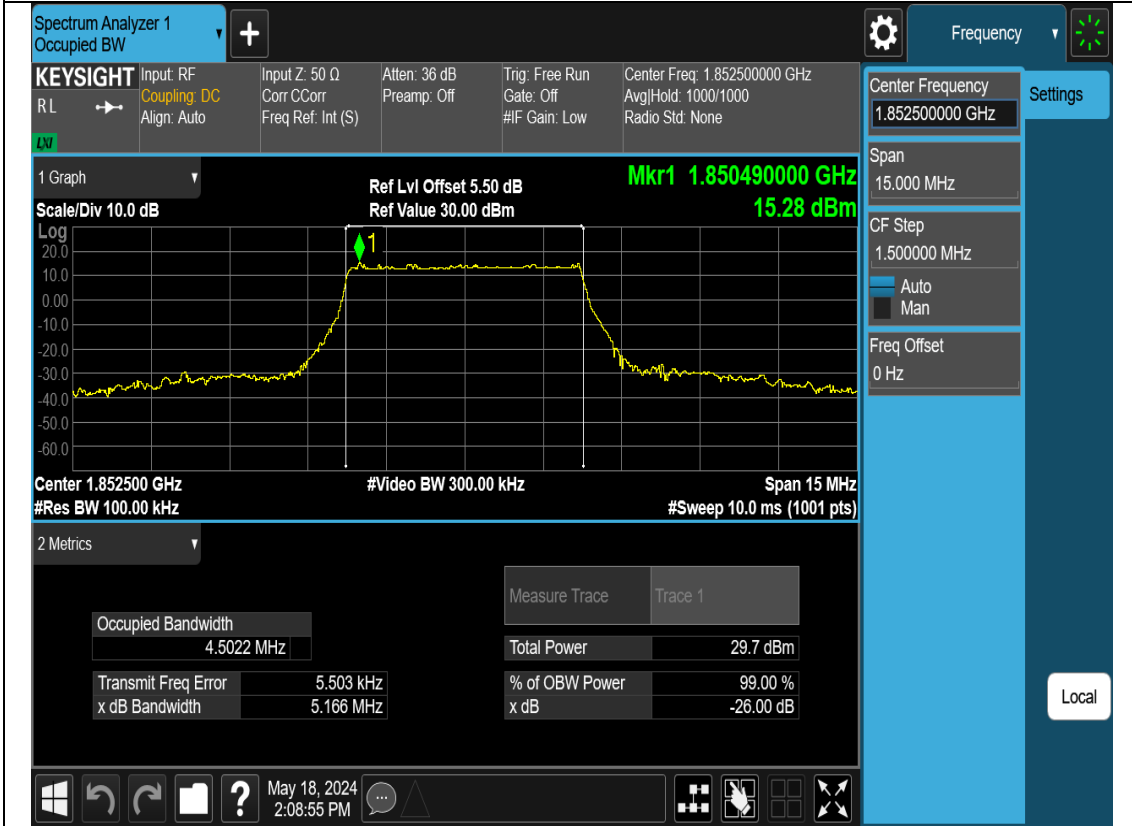
Center 1.852500 GHz #Video BW 300.00 kHz Span 15 MHz  
 #Res BW 100.00 kHz #Sweep 10.0 ms (1001 pts)

2 Metrics

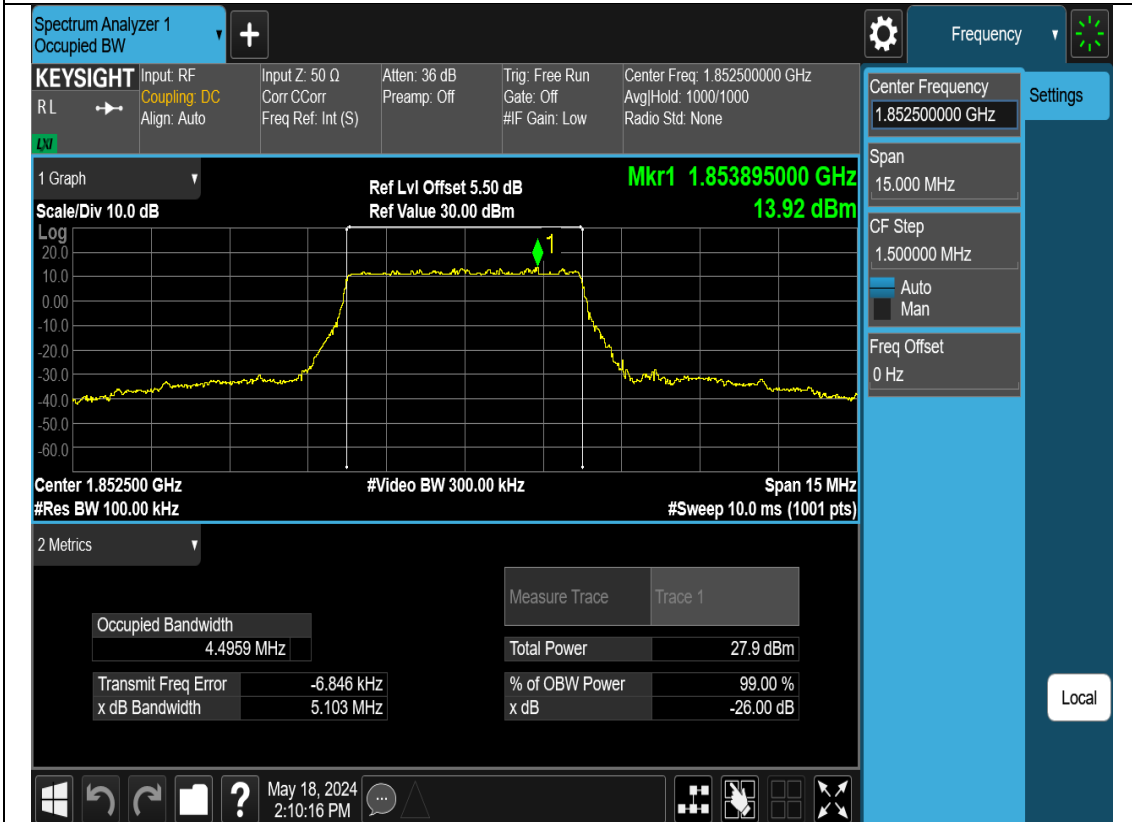
Occupied Bandwidth	4.5293 MHz	Total Power	30.3 dBm
Transmit Freq Error	3.963 kHz	% of OBW Power	99.00 %
x dB Bandwidth	5.145 MHz	x dB	-26.00 dB

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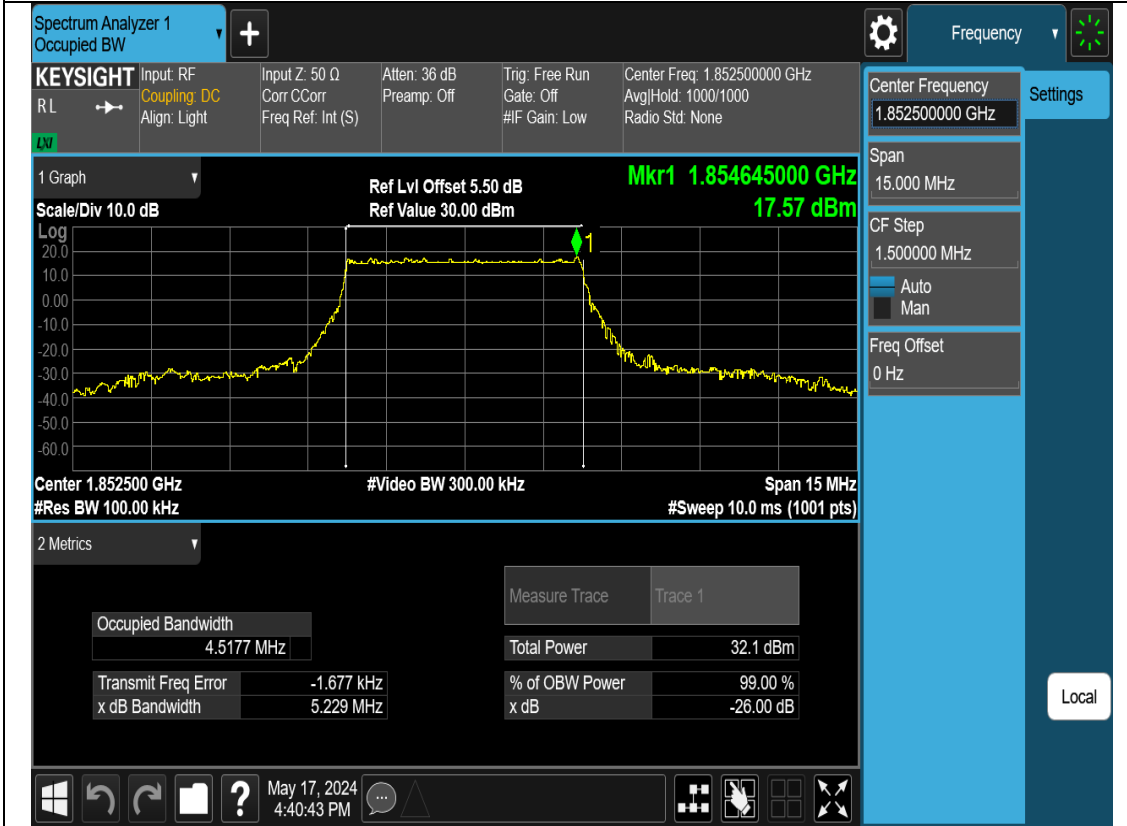
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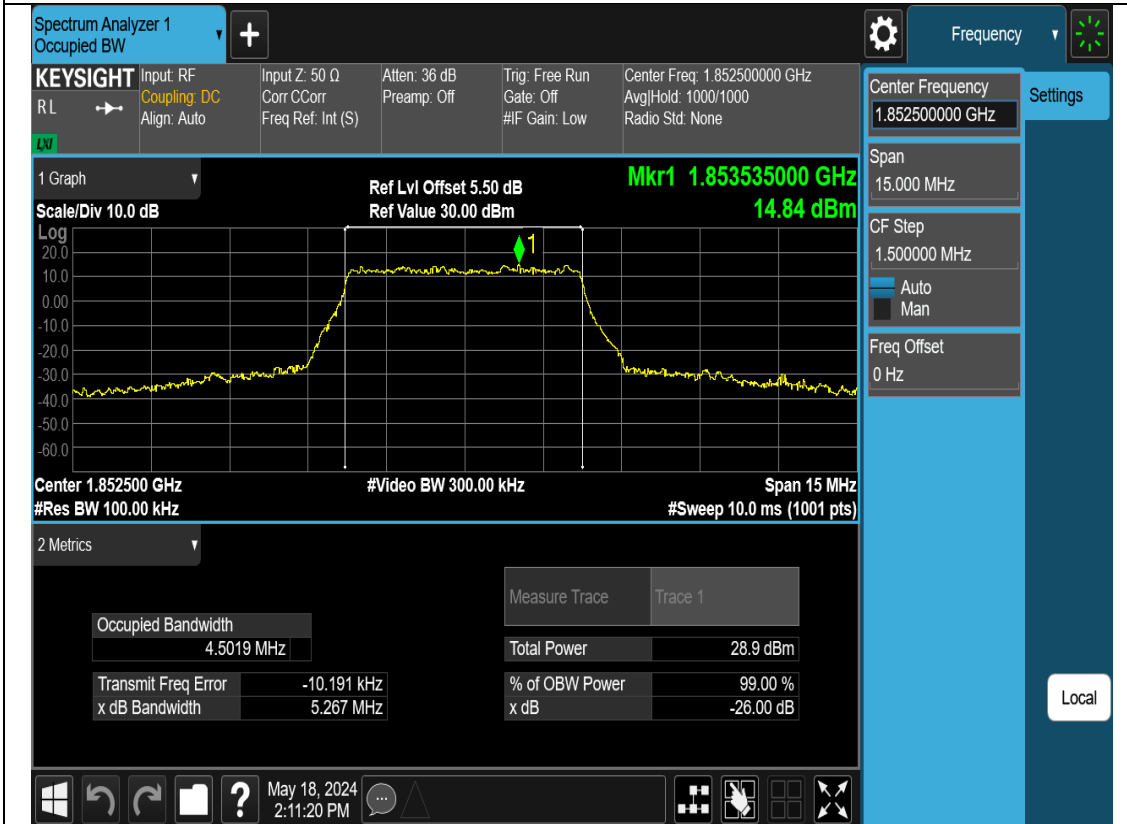
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N2-5M-OBW-L-CP-OFDM-QPSK

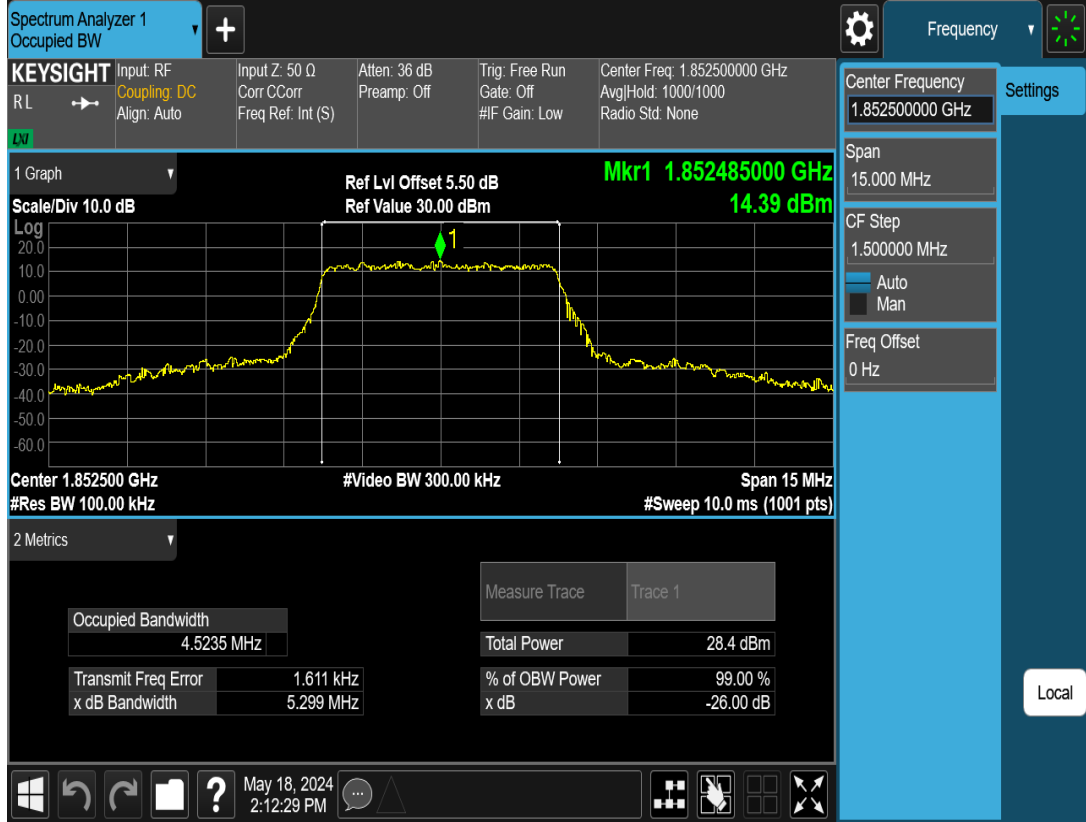


N2-5M-OBW-L-CP-OFDM-16QAM

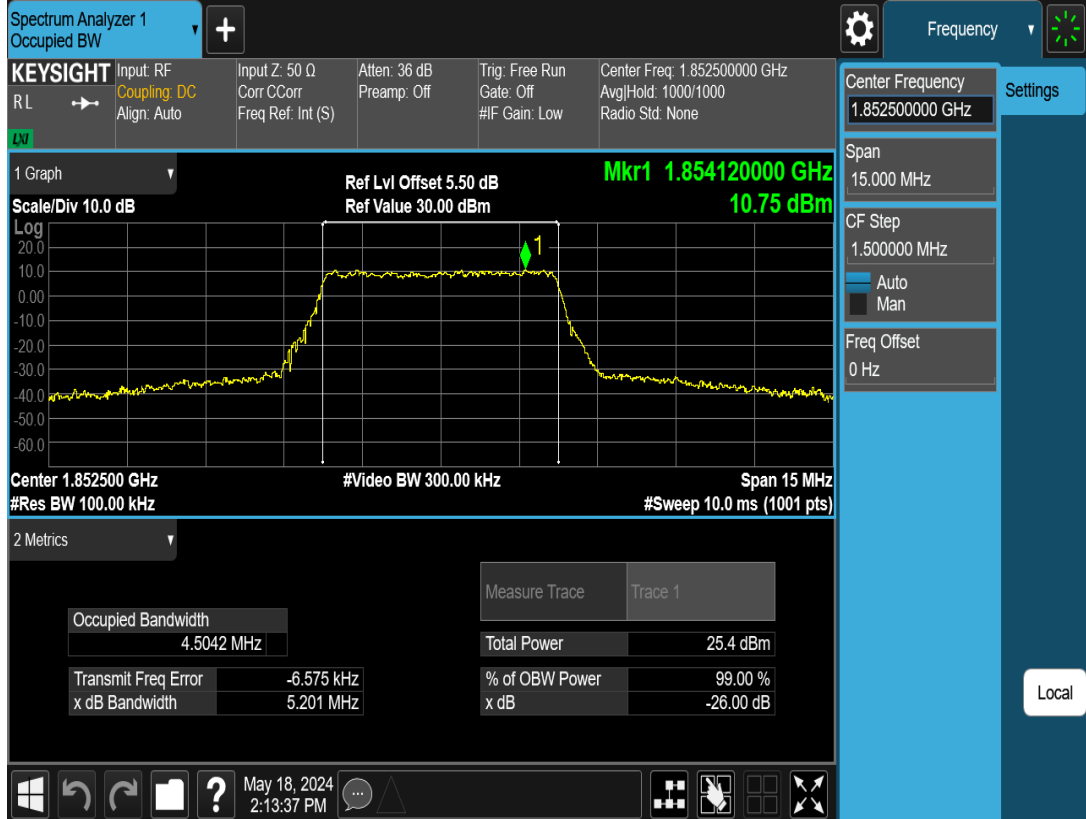




N2-5M-OBW-L-CP-OFDM-64QAM



N2-5M-OBW-L-CP-OFDM-256QAM



### N2-5M-OBW-M-DFT-s-OFDM-Pi2 BPSK

**Spectrum Analyzer 1**  
Occupied BW

**KEYSIGHT** Input RF  
RL **Coupling: DC** Align: Light

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: 1.880000000 GHz  
Avg/Hold: 1000/1000  
Radio Std: None

Center Frequency: 1.880000000 GHz

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 1.880510000 GHz  
18.04 dBm

Center 1.880000 GHz  
#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	4.5049 MHz	Total Power	32.3 dBm
Transmit Freq Error	-8.792 kHz	% of OBW Power	99.00 %
x dB Bandwidth	5.131 MHz	x dB	-26.00 dB

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Local

### N2-5M-OBW-M-DFT-s-OFDM-QPSK

**Spectrum Analyzer 1**  
Occupied BW

**KEYSIGHT** Input RF  
RL **Coupling: DC** Align: Auto

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: 1.880000000 GHz  
Avg/Hold: 1000/1000  
Radio Std: None

Center Frequency: 1.880000000 GHz

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 1.880090000 GHz  
17.82 dBm

Center 1.880000 GHz  
#Res BW 100.00 kHz  
#Video BW 300.00 kHz  
Span 15 MHz  
#Sweep 10.0 ms (1001 pts)

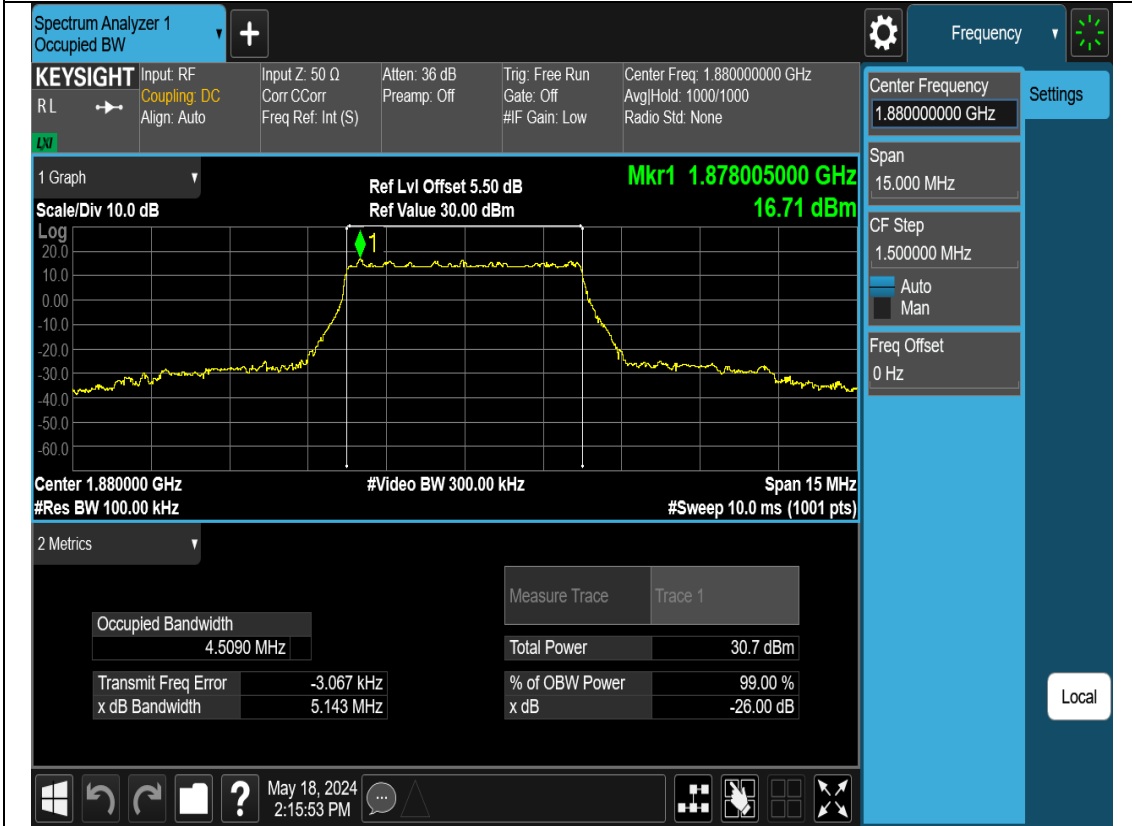
2 Metrics

Measure Trace		Trace 1	
Occupied Bandwidth	4.4784 MHz	Total Power	31.6 dBm
Transmit Freq Error	-3.181 kHz	% of OBW Power	99.00 %
x dB Bandwidth	5.085 MHz	x dB	-26.00 dB

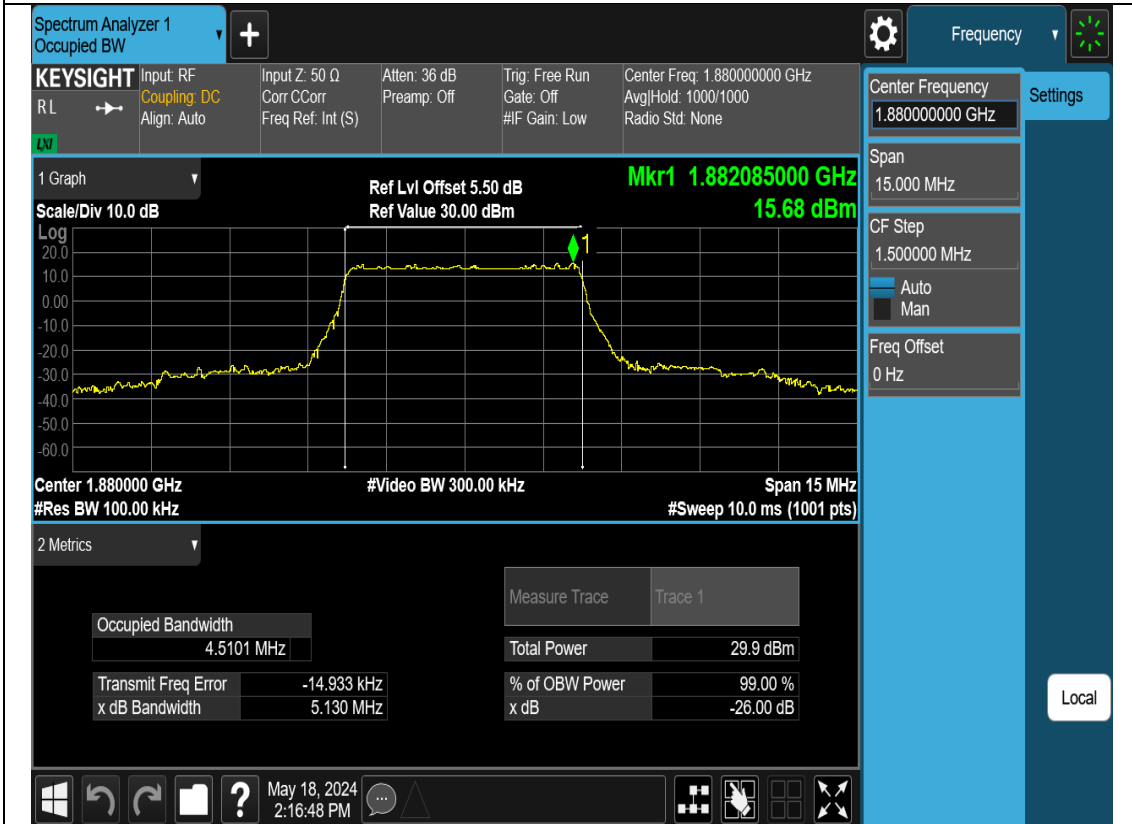
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Local

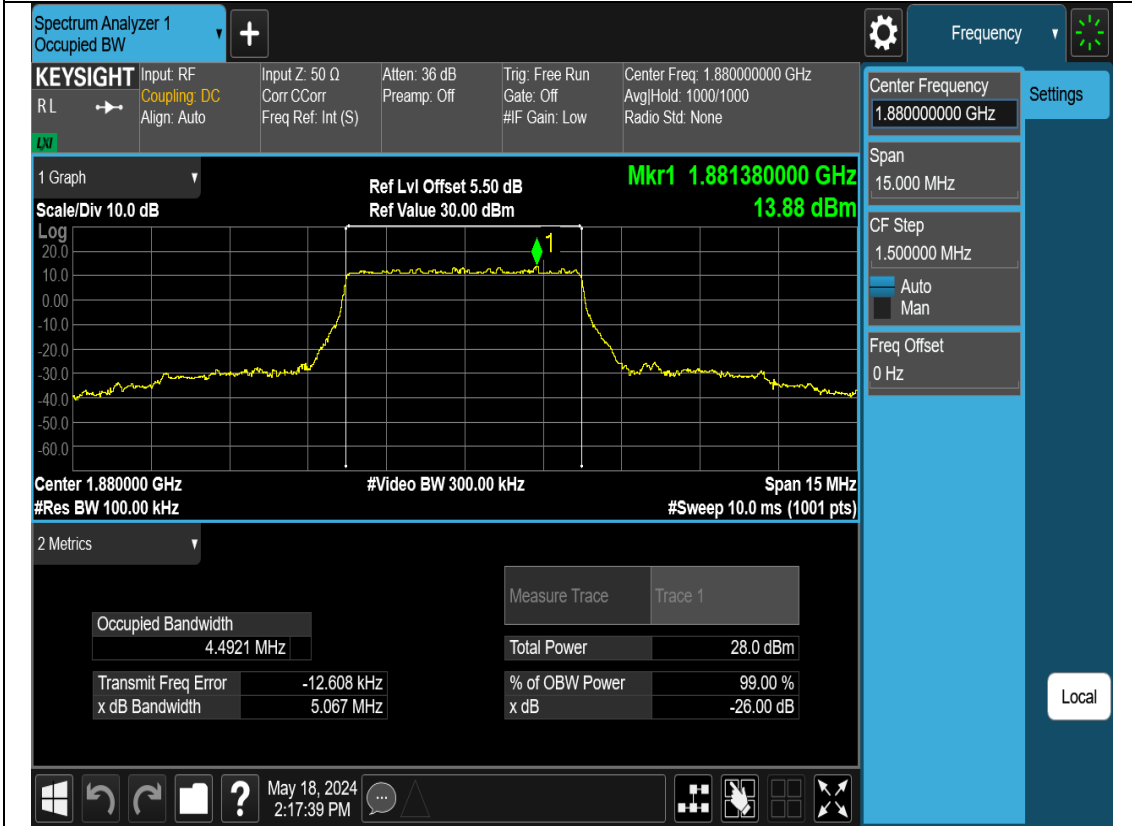
N2-5M-OBW-M-DFT-s-OFDM-16QAM



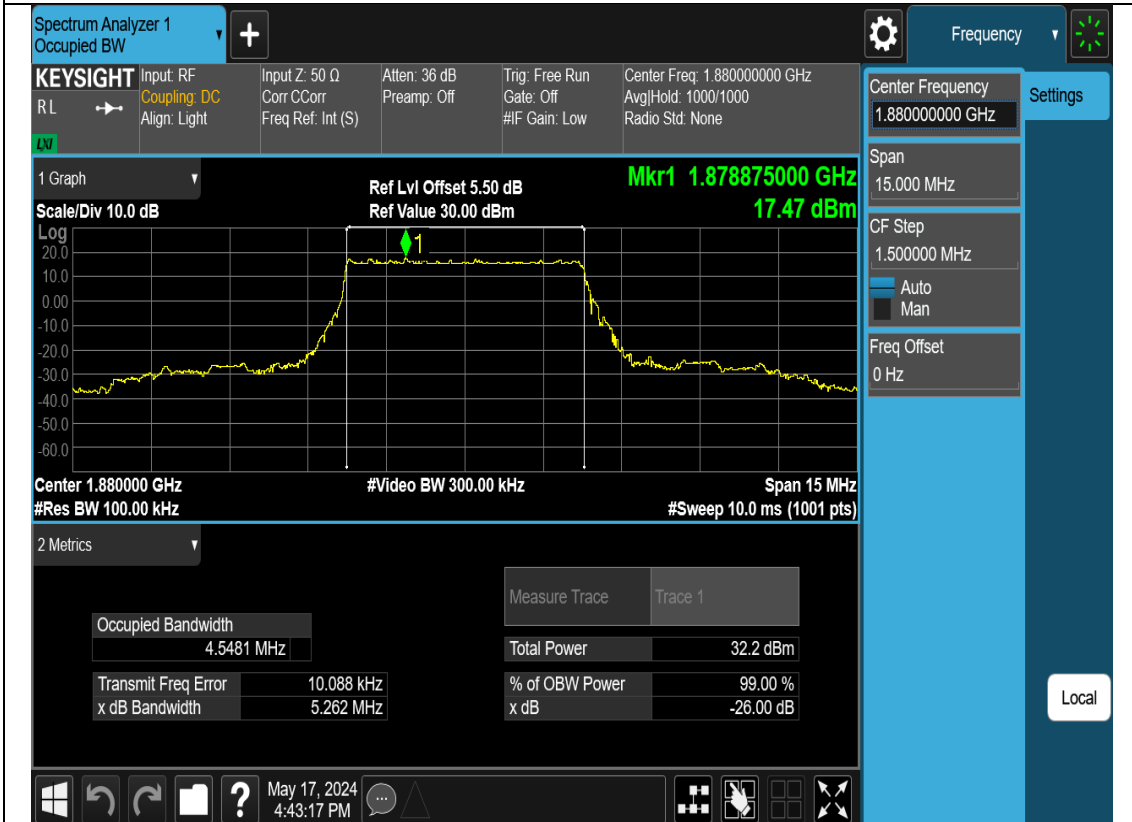
N2-5M-OBW-M-DFT-s-OFDM-64QAM



N2-5M-OBW-M-DFT-s-OFDM-256QAM



N2-5M-OBW-M-CP-OFDM-QPSK



N2-5M-OBW-M-CP-OFDM-16QAM

Spectrum Analyzer 1  
Occupied BW

KEYSIGHT Input RF Input Z: 50 Ω Atten: 36 dB Trig: Free Run Center Freq: 1.880000000 GHz  
 RL Coupling: DC Corr: C Corr Gate: Off Avg/Hold: 1000/1000  
 Align: Auto Freq Ref: Int (S) Preamp: Off #F Gain: Low Radio Std: None

1 Graph  
 Scale/Div 10.0 dB  
 Log  
 Ref Lvl Offset 5.50 dB Mkr1 1.881050000 GHz  
 Ref Value 30.00 dBm 14.78 dBm

Center 1.880000 GHz #Video BW 300.00 kHz Span 15 MHz  
 #Res BW 100.00 kHz #Sweep 10.0 ms (1001 pts)

2 Metrics

Measure Trace		Trace 1	
Occupied Bandwidth	4.5018 MHz	Total Power	28.9 dBm
Transmit Freq Error	-9.759 kHz	% of OBW Power	99.00 %
x dB Bandwidth	5.255 MHz	x dB	-26.00 dB

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N2-5M-OBW-M-CP-OFDM-64QAM

Spectrum Analyzer 1  
Occupied BW

KEYSIGHT Input RF Input Z: 50 Ω Atten: 36 dB Trig: Free Run Center Freq: 1.880000000 GHz  
 RL Coupling: DC Corr: C Corr Gate: Off Avg/Hold: 1000/1000  
 Align: Auto Freq Ref: Int (S) Preamp: Off #F Gain: Low Radio Std: None

1 Graph  
 Scale/Div 10.0 dB  
 Log  
 Ref Lvl Offset 5.50 dB Mkr1 1.879985000 GHz  
 Ref Value 30.00 dBm 14.63 dBm

Center 1.880000 GHz #Video BW 300.00 kHz Span 15 MHz  
 #Res BW 100.00 kHz #Sweep 10.0 ms (1001 pts)

2 Metrics

Measure Trace		Trace 1	
Occupied Bandwidth	4.5184 MHz	Total Power	28.6 dBm
Transmit Freq Error	-17.072 kHz	% of OBW Power	99.00 %
x dB Bandwidth	5.153 MHz	x dB	-26.00 dB

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N2-5M-OBW-M-CP-OFDM-256QAM

Spectrum Analyzer 1  
Occupied BW

KEYSIGHT Input RF Input Z: 50 Ω Atten: 36 dB Trig: Free Run Center Freq: 1.88000000 GHz  
 RL Coupling: DC Corr: CCorr Preamp: Off Gate: Off Avg/Hold: 1000/1000  
 Align: Auto Freq Ref: Int (S) #F Gain: Low Radio Std: None

1 Graph  
 Scale/Div 10.0 dB  
 Log  
 Ref Lvl Offset 5.50 dB Mkr1 1.880750000 GHz  
 Ref Value 30.00 dBm 10.87 dBm

Center 1.880000 GHz #Video BW 300.00 kHz Span 15 MHz  
 #Res BW 100.00 kHz #Sweep 10.0 ms (1001 pts)

2 Metrics

Measure Trace		Trace 1	
Occupied Bandwidth	4.4998 MHz	Total Power	25.5 dBm
Transmit Freq Error	-6.843 kHz	% of OBW Power	99.00 %
x dB Bandwidth	5.317 MHz	x dB	-26.00 dB

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N2-5M-OBW-H-DFT-s-OFDM-Pi2 BPSK

Spectrum Analyzer 1  
Occupied BW

KEYSIGHT Input RF Input Z: 50 Ω Atten: 36 dB Trig: Free Run Center Freq: 1.907500000 GHz  
 RL Coupling: DC Corr: CCorr 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  
 Ref Lvl Offset 5.50 dB Mkr1 1.907380000 GHz  
 Ref Value 30.00 dBm 17.26 dBm

Center 1.907500 GHz #Video BW 300.00 kHz Span 15 MHz  
 #Res BW 100.00 kHz Sweep 1.47 ms (1001 pts)

2 Metrics

Measure Trace		Trace 1	
Occupied Bandwidth	4.4892 MHz	Total Power	32.6 dBm
Transmit Freq Error	-3.506 kHz	% of OBW Power	99.00 %
x dB Bandwidth	5.128 MHz	x dB	-26.00 dB

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N2-5M-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: 1.907500000 GHz  
 RL Coupling: DC Corr: C Corr Freq Ref: Int (S) Preamp: Off Gate: Off Avg/Hold: 1000/1000  
 Align: Auto Freq Ref: Int (S) #F Gain: Low Radio Std: None

1 Graph Scale/Div 10.0 dB Ref Lvl Offset 5.50 dB Mkr1 1.905850000 GHz  
 Ref Value 30.00 dBm 18.01 dBm

Center 1.907500 GHz #Video BW 300.00 kHz Span 15 MHz  
 #Res BW 100.00 kHz #Sweep 10.0 ms (1001 pts)

2 Metrics

Measure Trace		Trace 1	
Occupied Bandwidth	4.4880 MHz	Total Power	31.5 dBm
Transmit Freq Error	-10.956 kHz	% of OBW Power	99.00 %
x dB Bandwidth	5.114 MHz	x dB	-26.00 dB

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N2-5M-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: 1.907500000 GHz  
 RL Coupling: DC Corr: C Corr Freq Ref: Int (S) Preamp: Off Gate: Off Avg/Hold: 1000/1000  
 Align: Auto Freq Ref: Int (S) #F Gain: Low Radio Std: None

1 Graph Scale/Div 10.0 dB Ref Lvl Offset 5.50 dB Mkr1 1.905505000 GHz  
 Ref Value 30.00 dBm 17.18 dBm

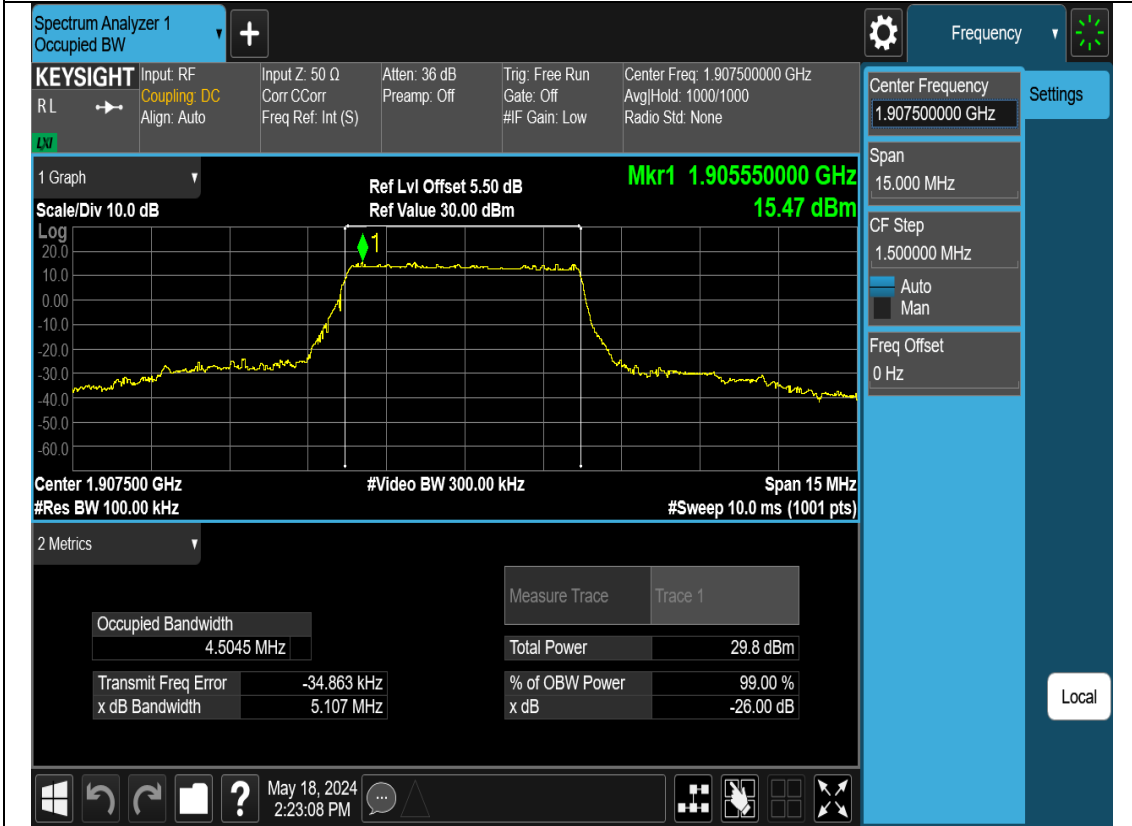
Center 1.907500 GHz #Video BW 300.00 kHz Span 15 MHz  
 #Res BW 100.00 kHz #Sweep 10.0 ms (1001 pts)

2 Metrics

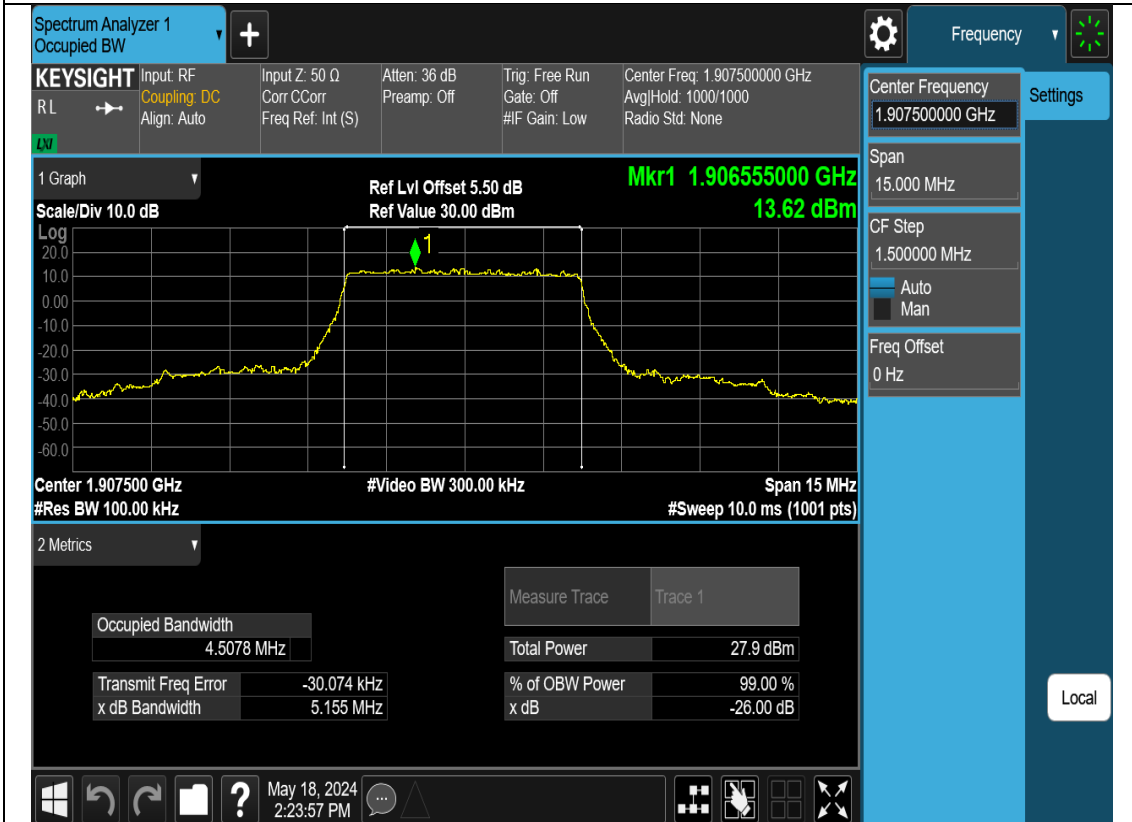
Measure Trace		Trace 1	
Occupied Bandwidth	4.5007 MHz	Total Power	30.5 dBm
Transmit Freq Error	-12.099 kHz	% of OBW Power	99.00 %
x dB Bandwidth	4.973 MHz	x dB	-26.00 dB

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N2-5M-OBW-H-DFT-s-OFDM-64QAM

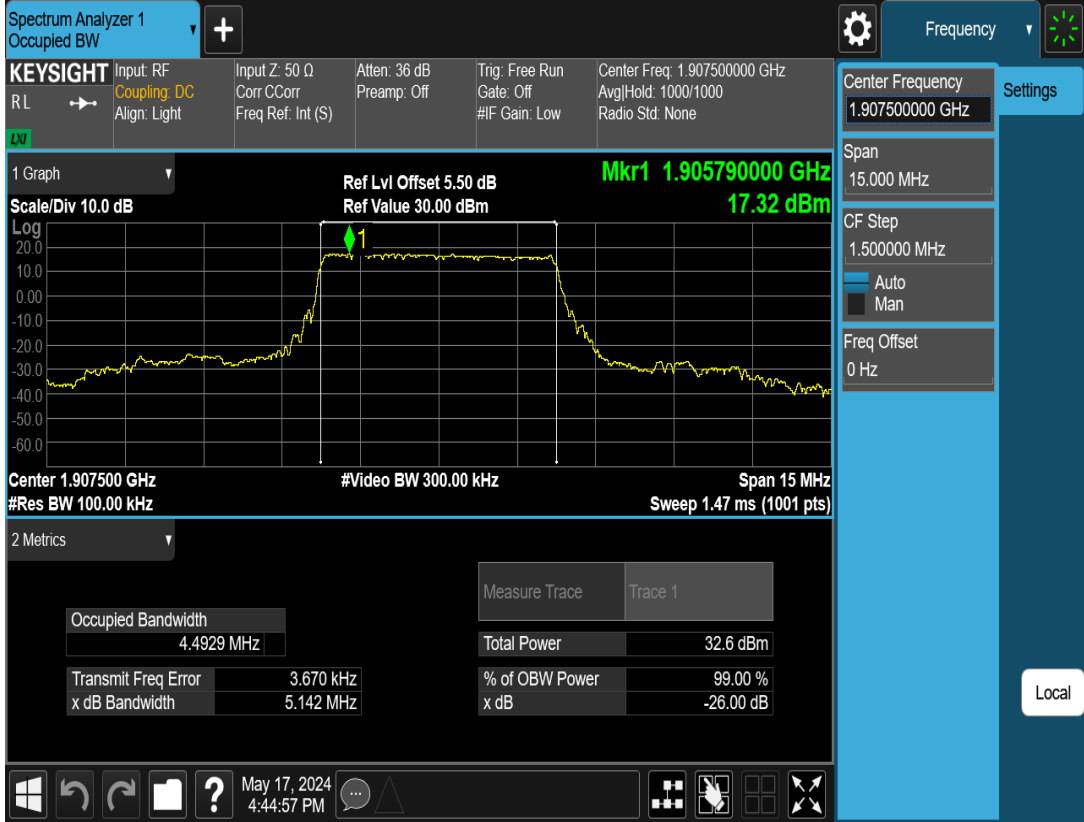


N2-5M-OBW-H-DFT-s-OFDM-256QAM

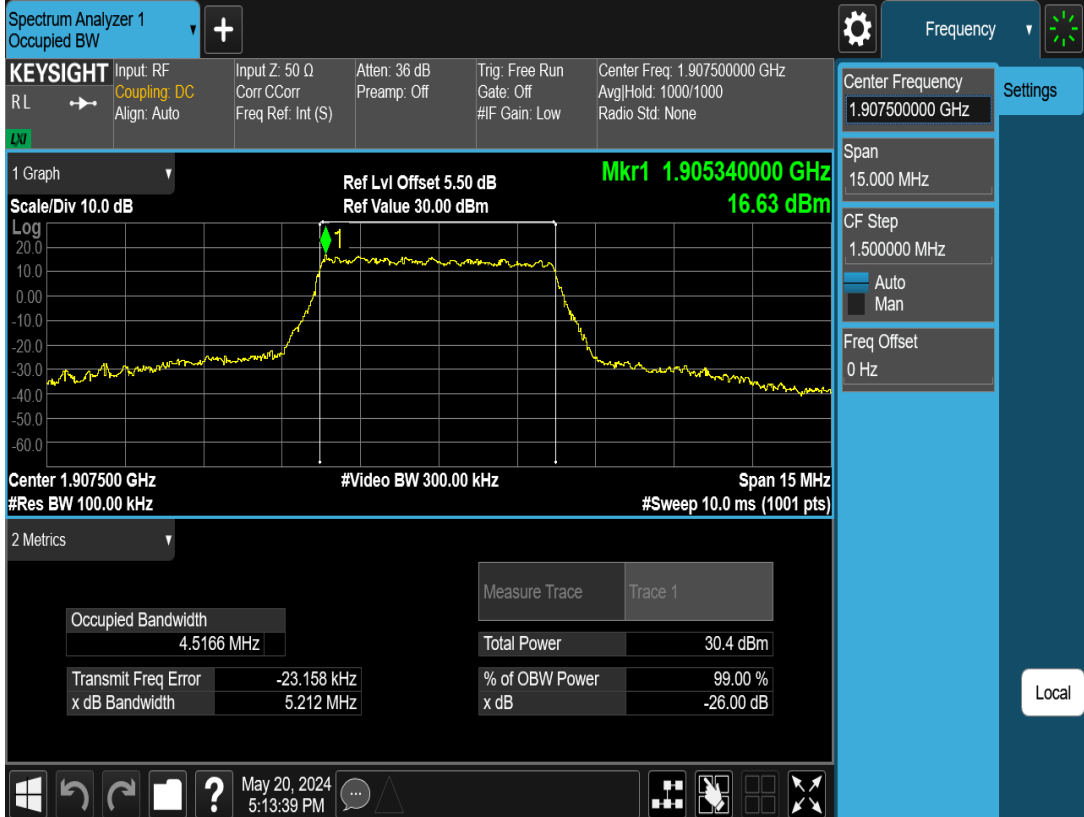




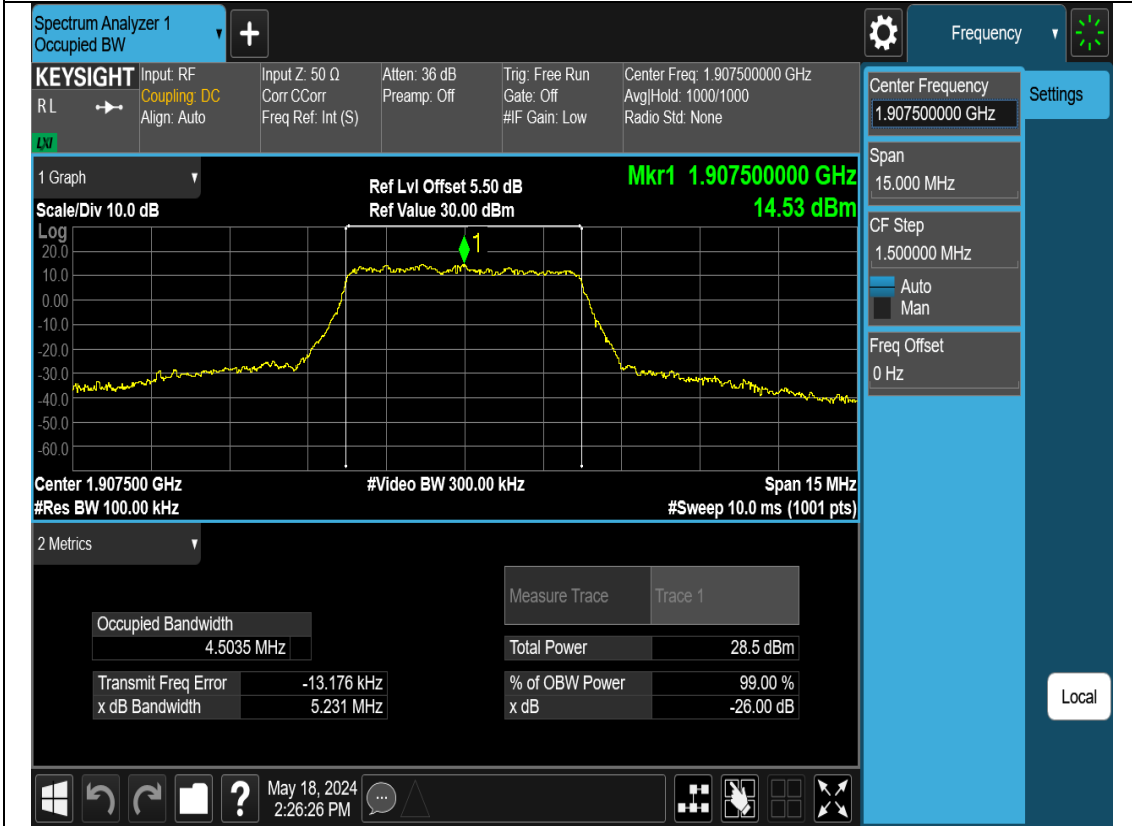
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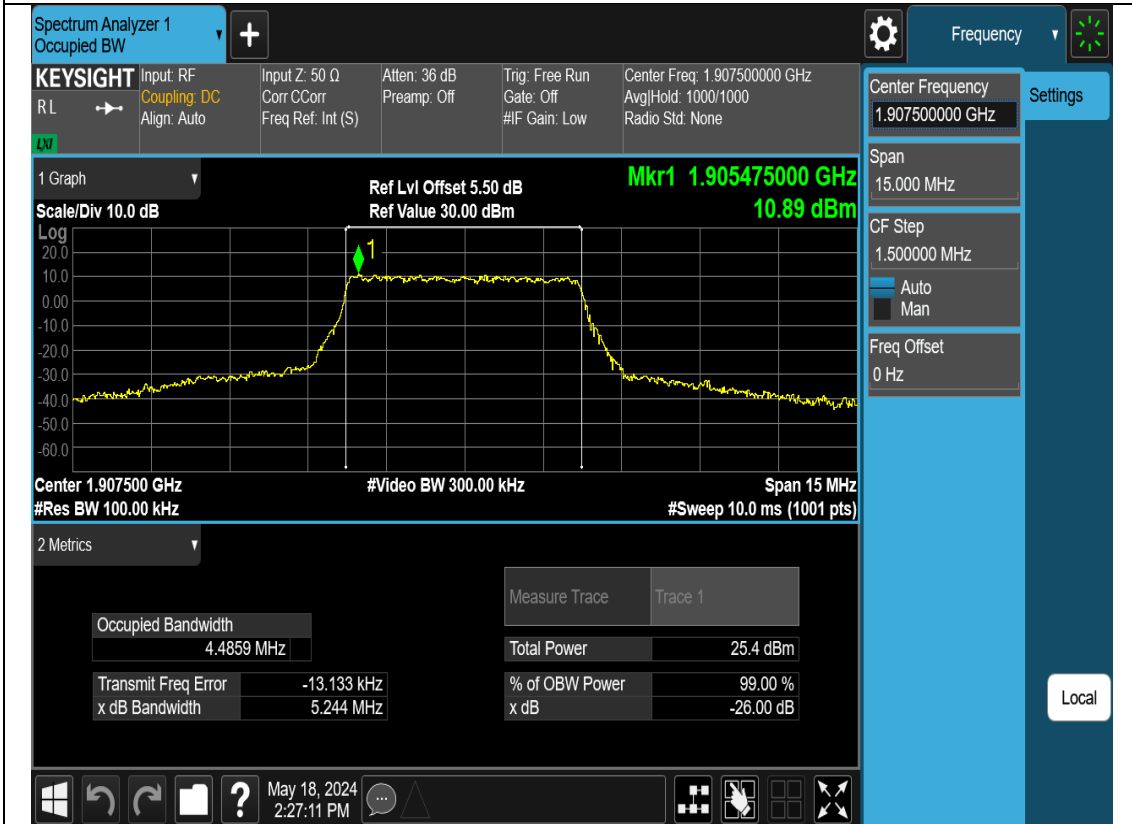
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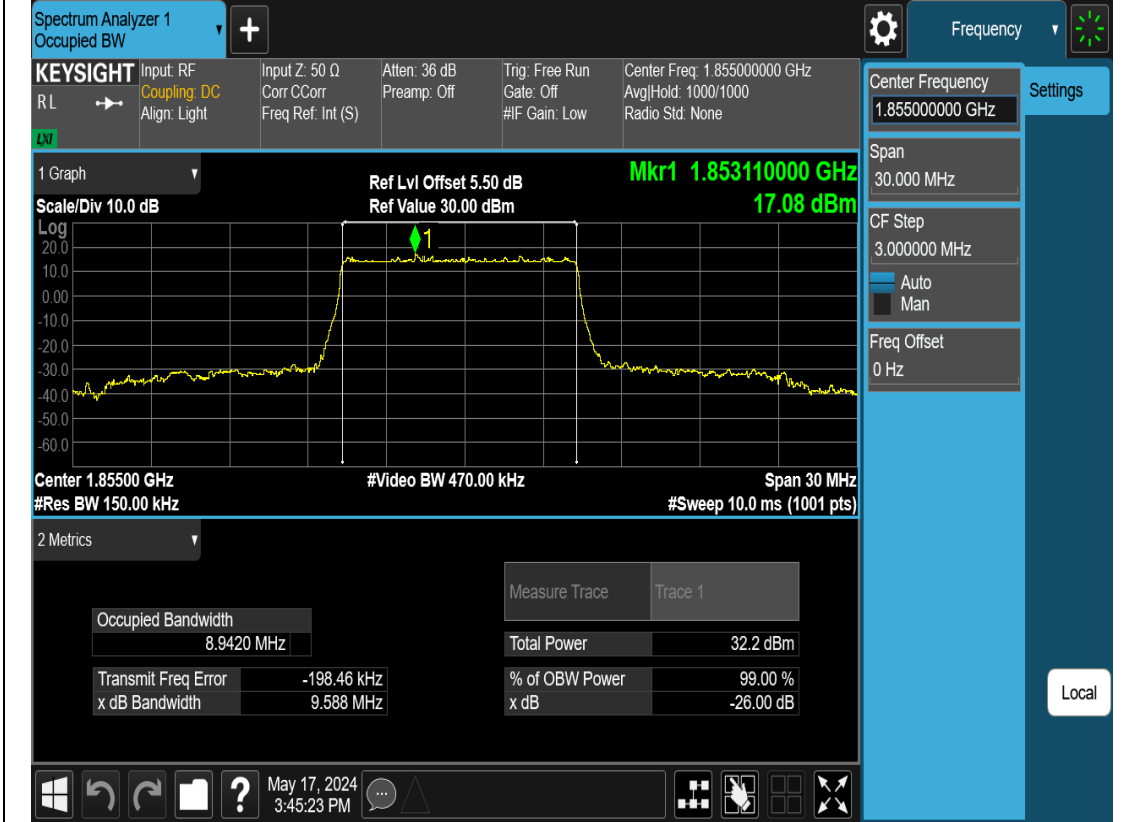
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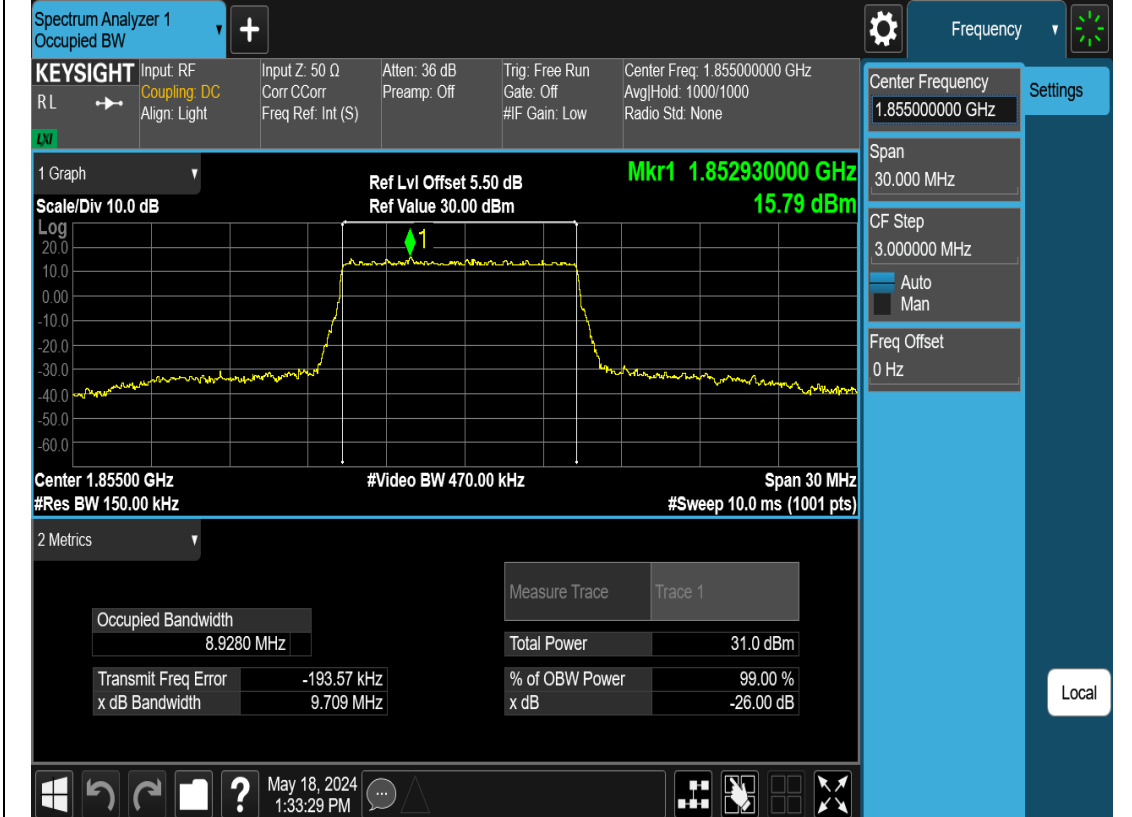
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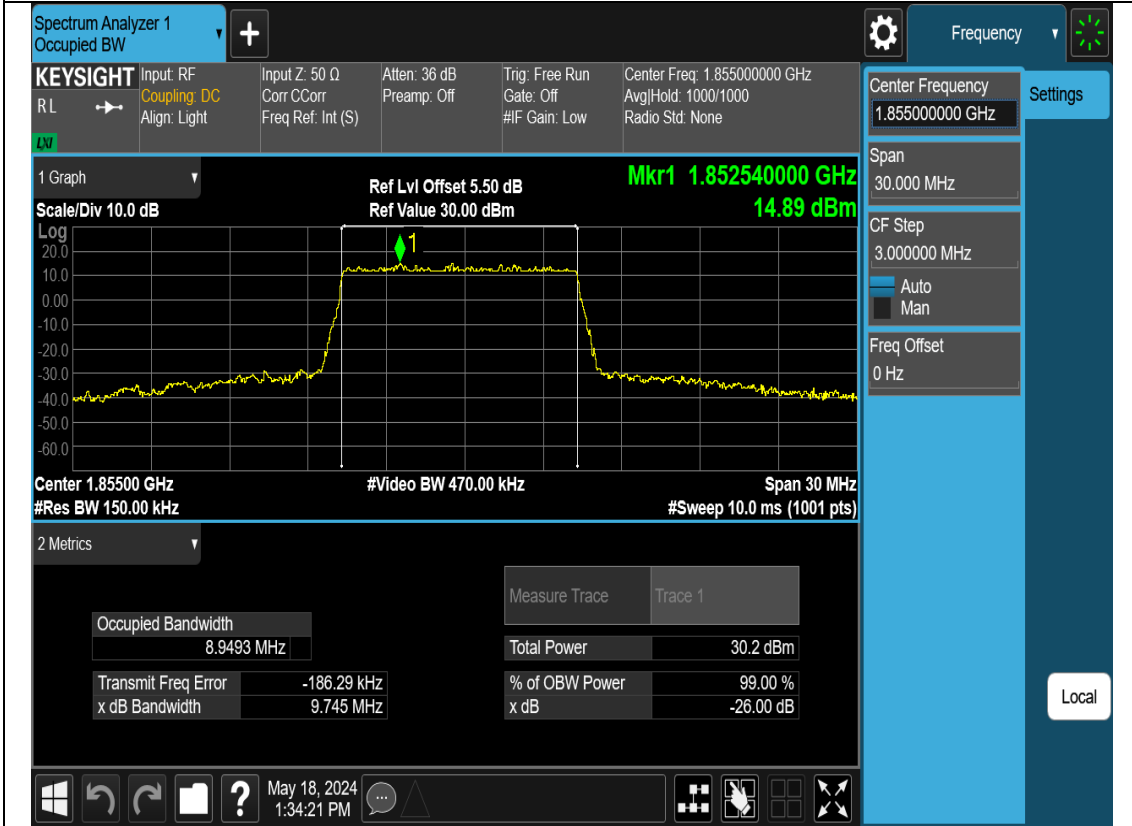
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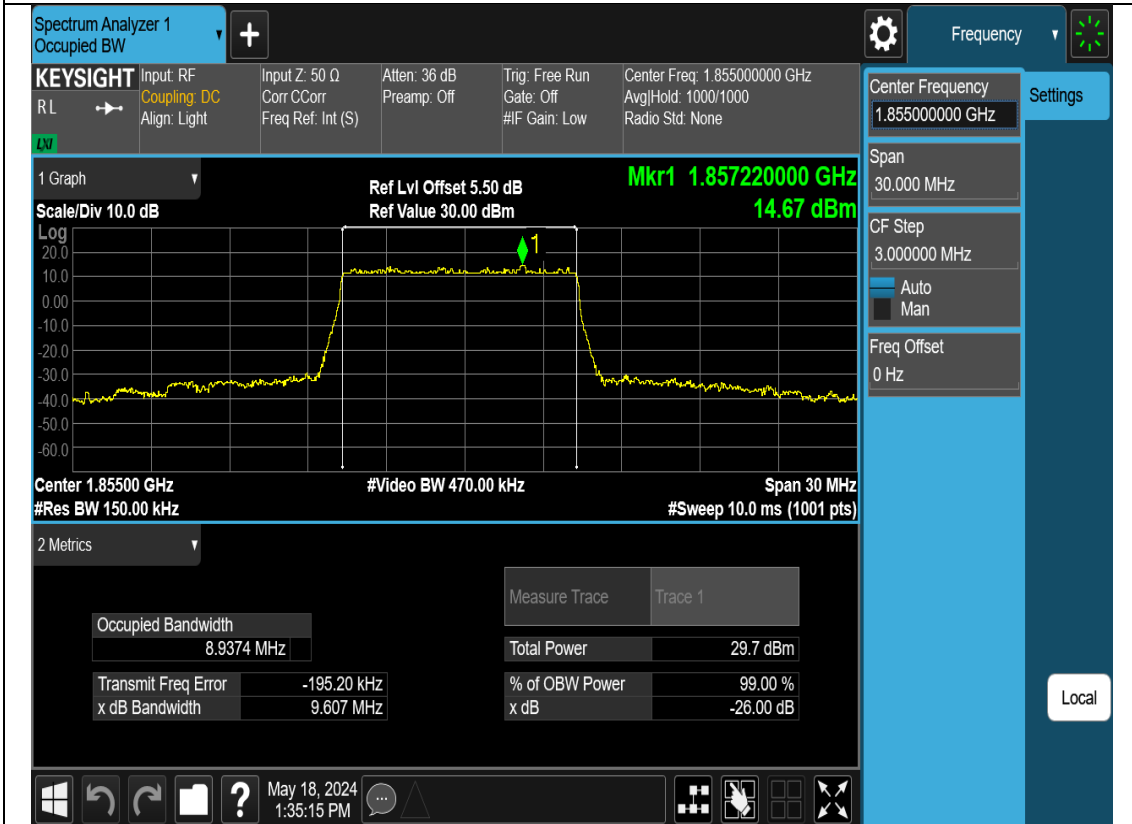
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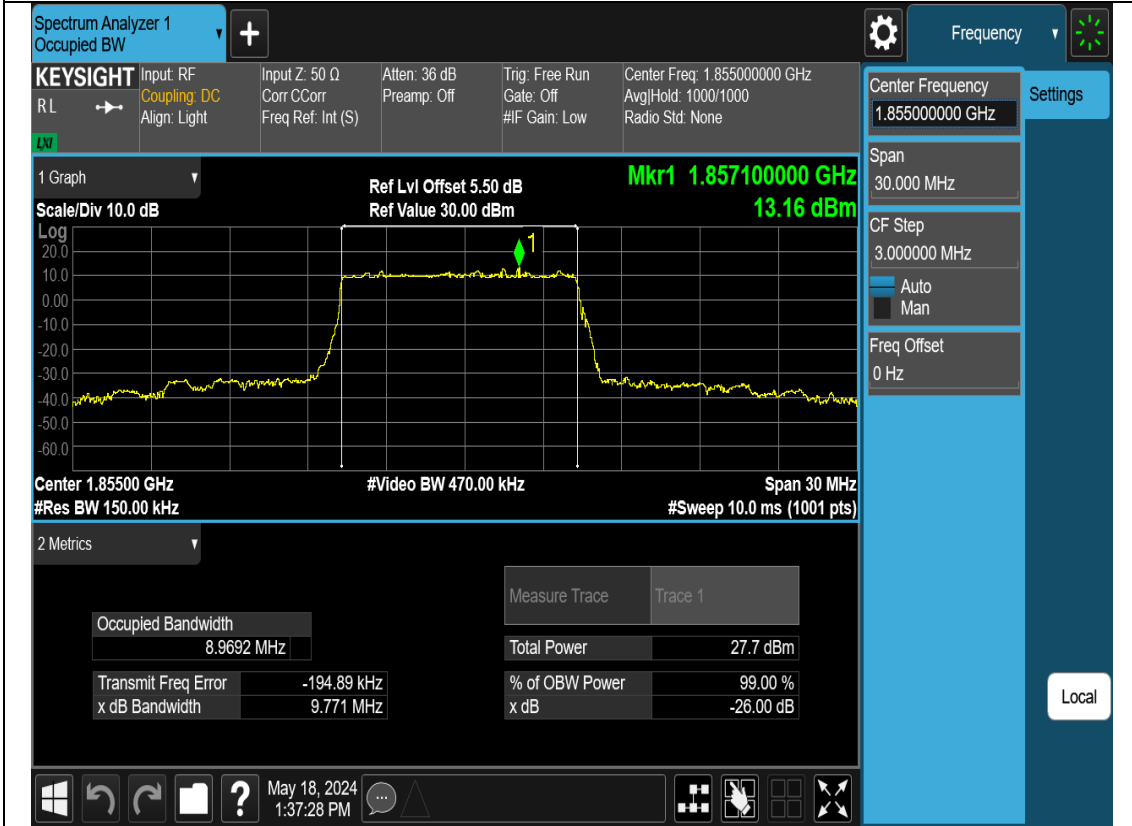
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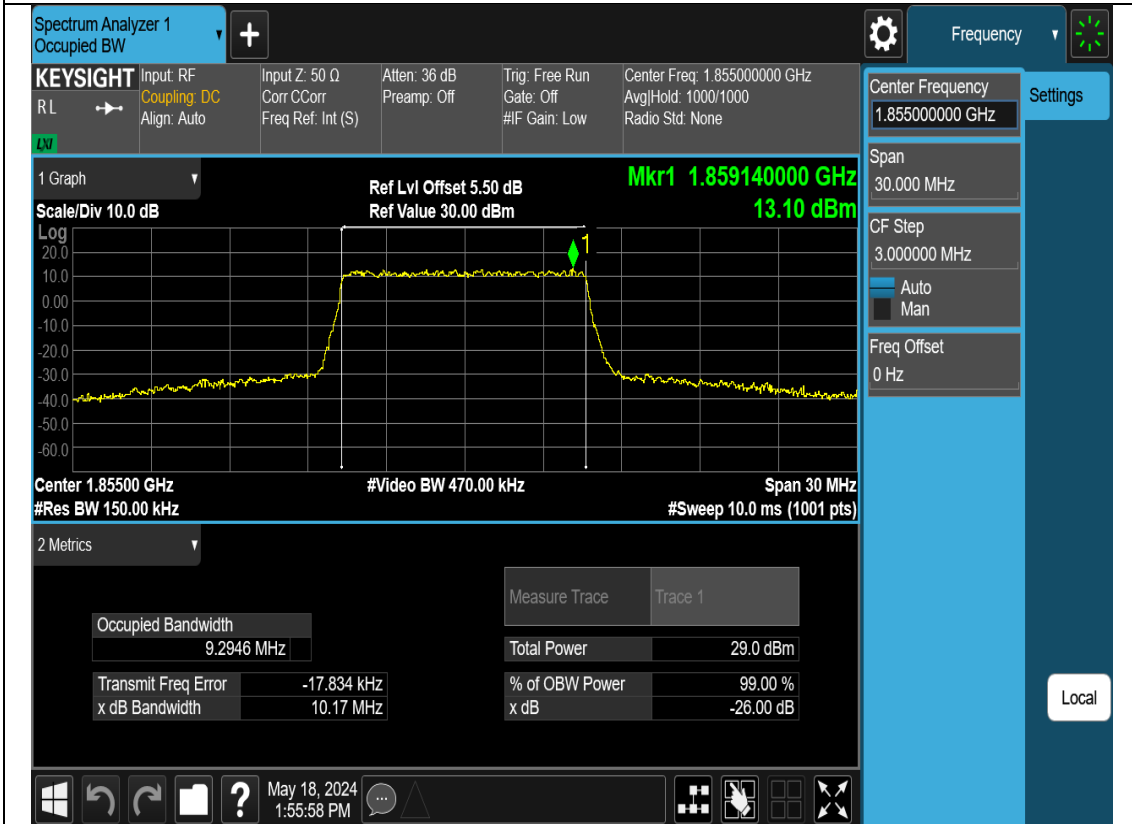
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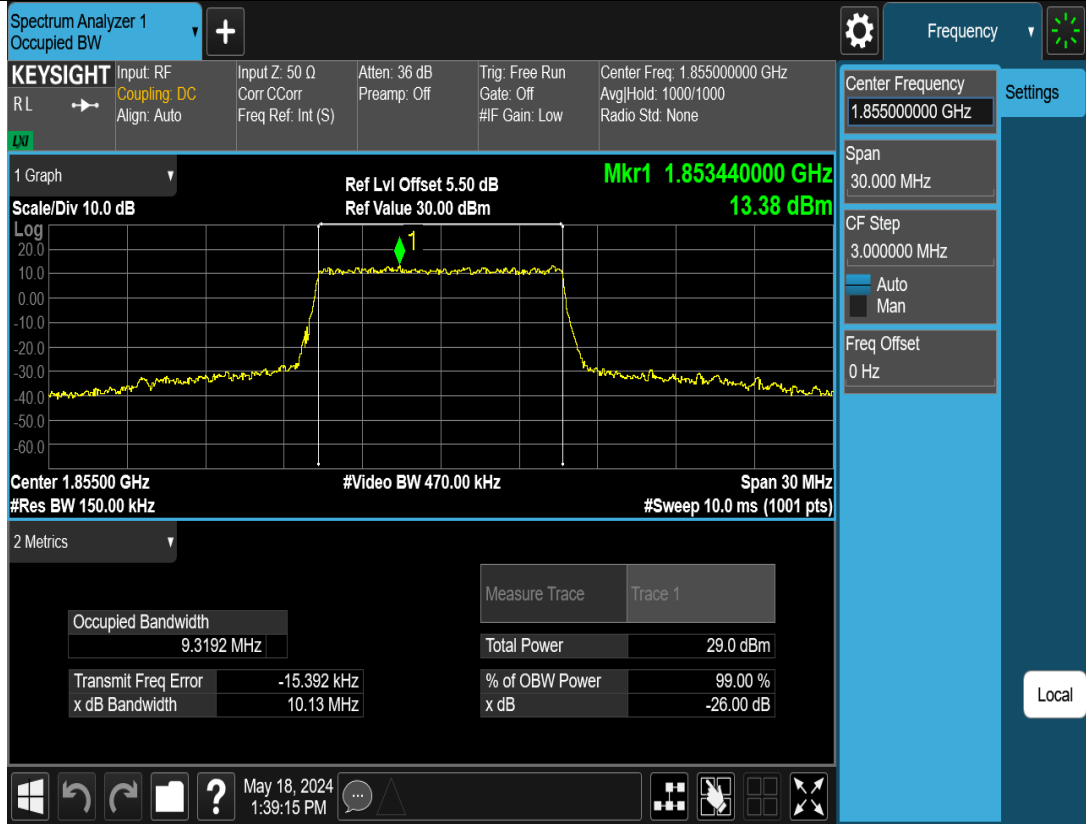
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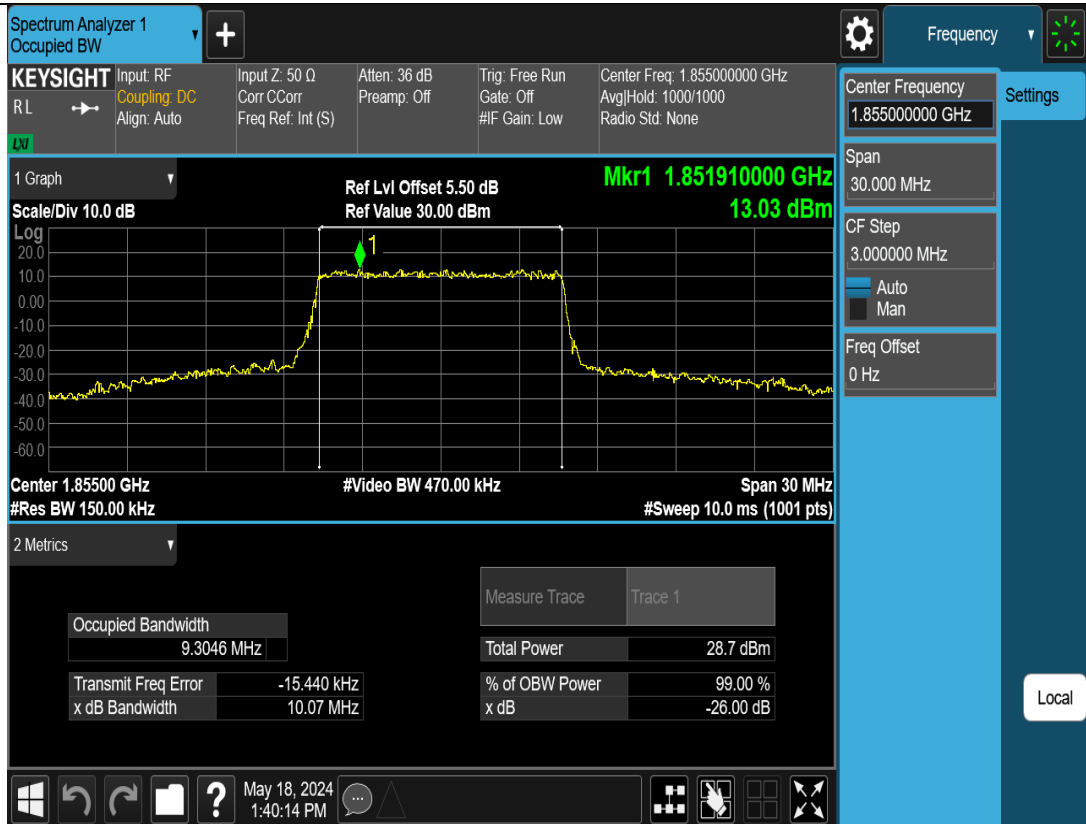
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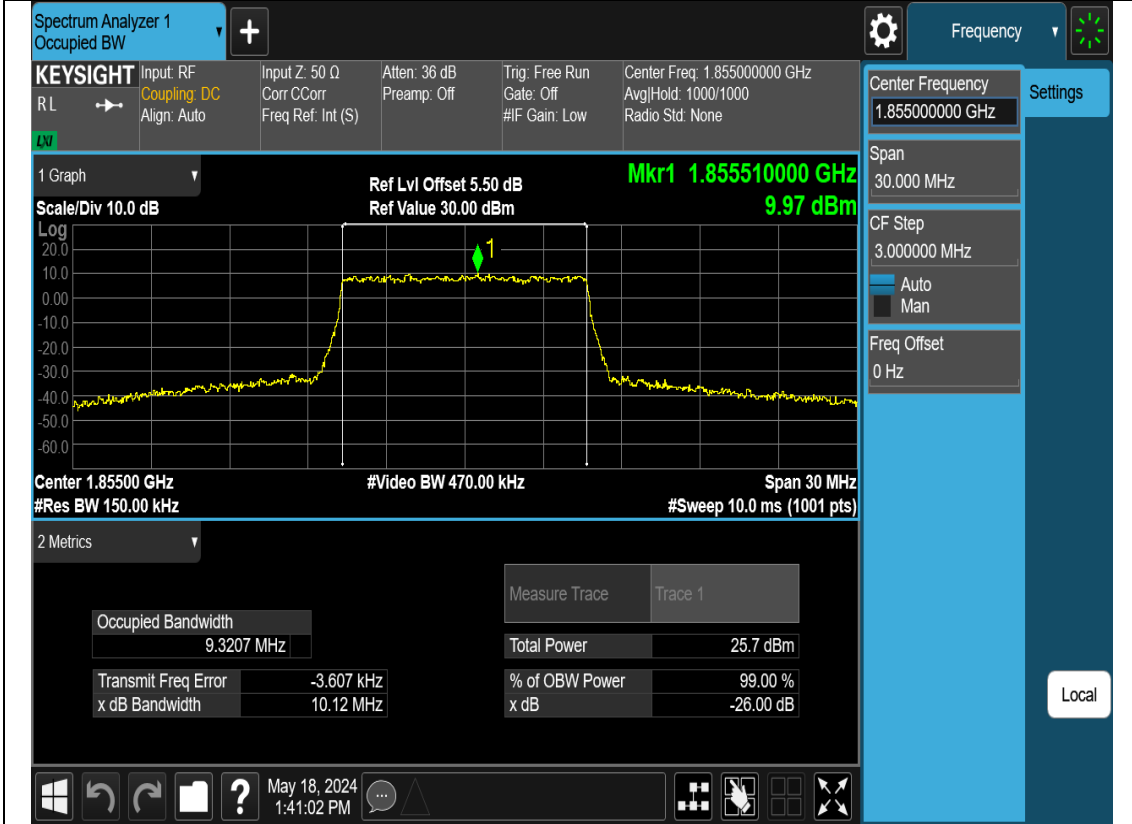
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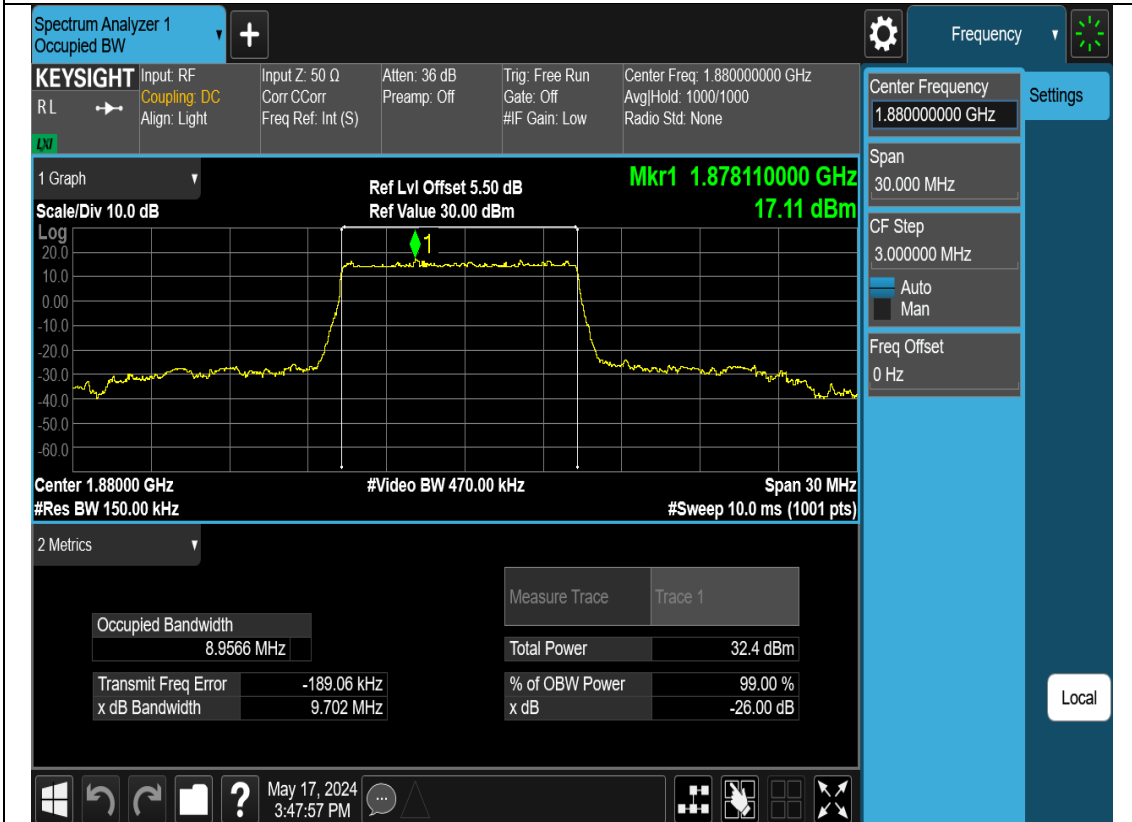
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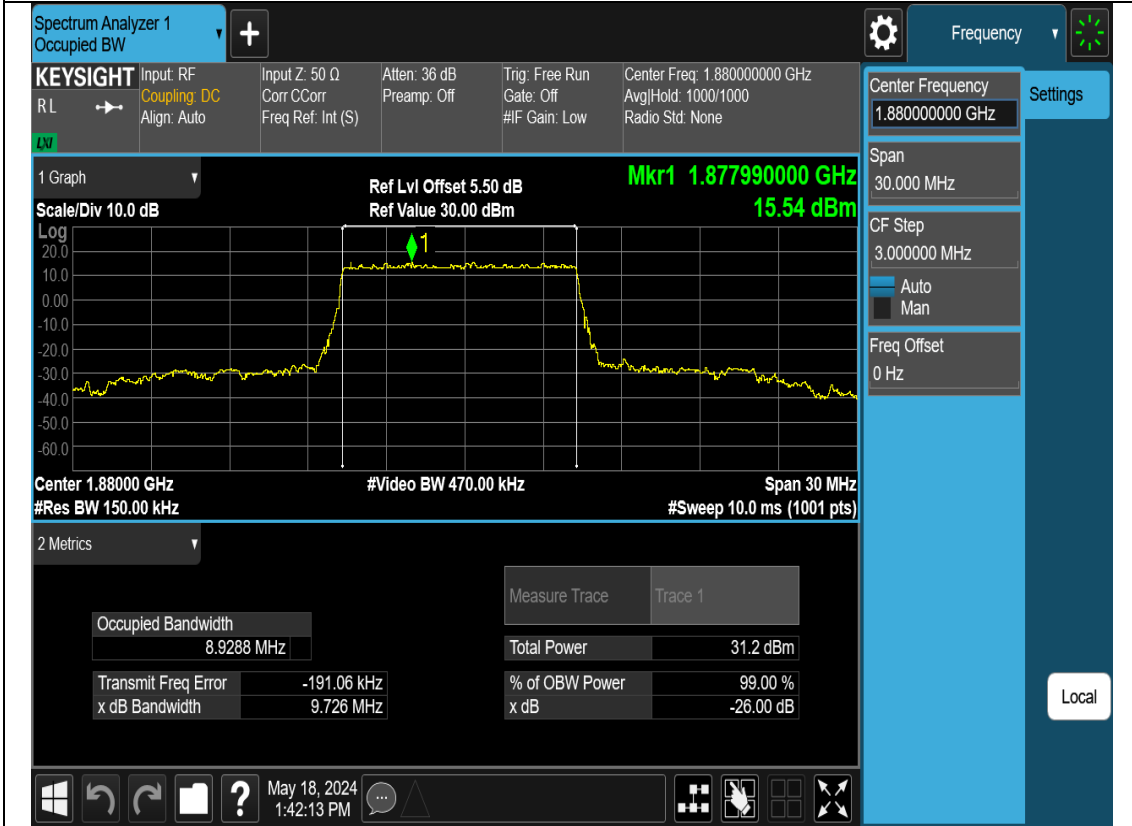
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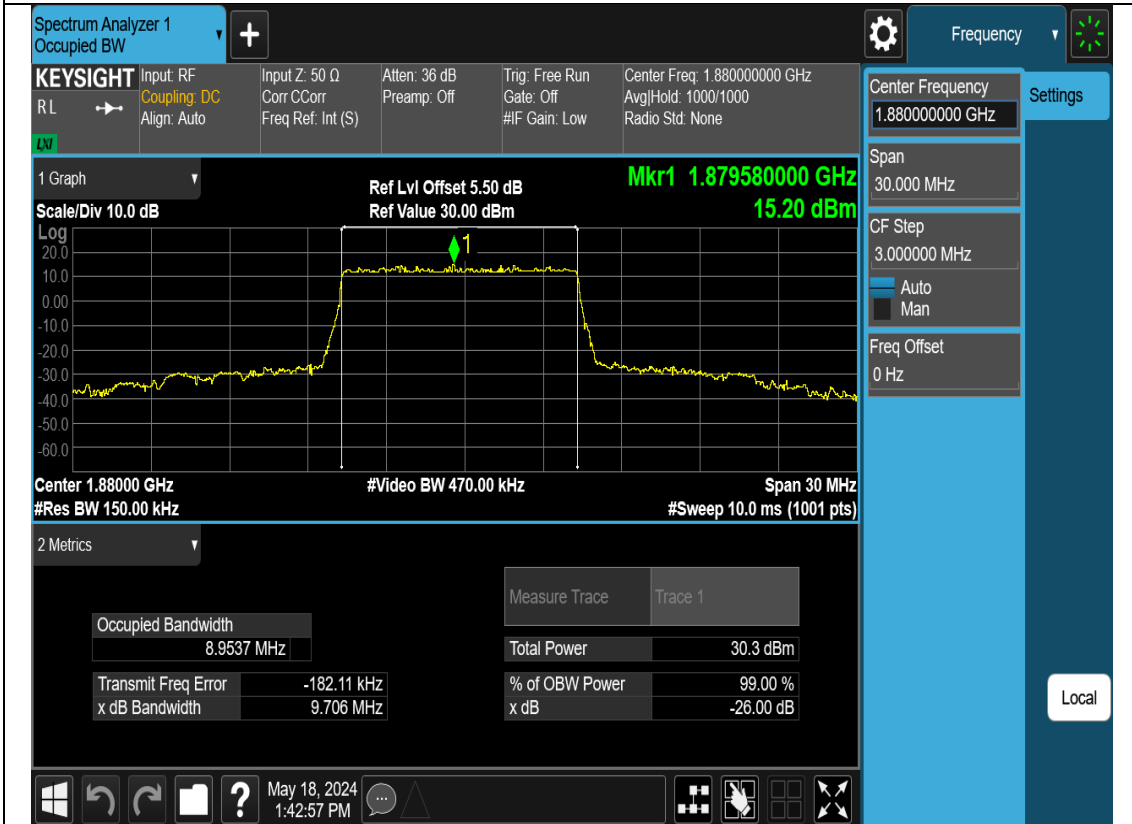
N2-10M-OBW-M-DFT-s-OFDM-Pi2 BPSK



N2-10M-OBW-M-DFT-s-OFDM-QPSK

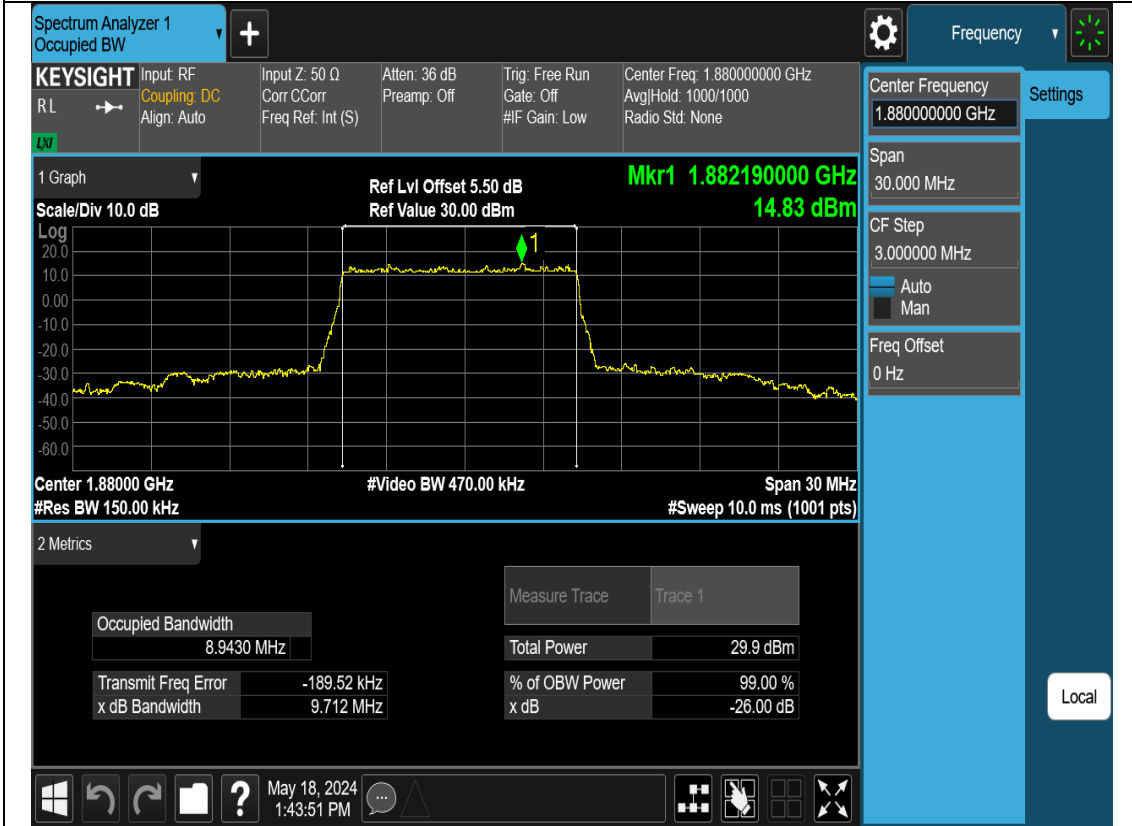


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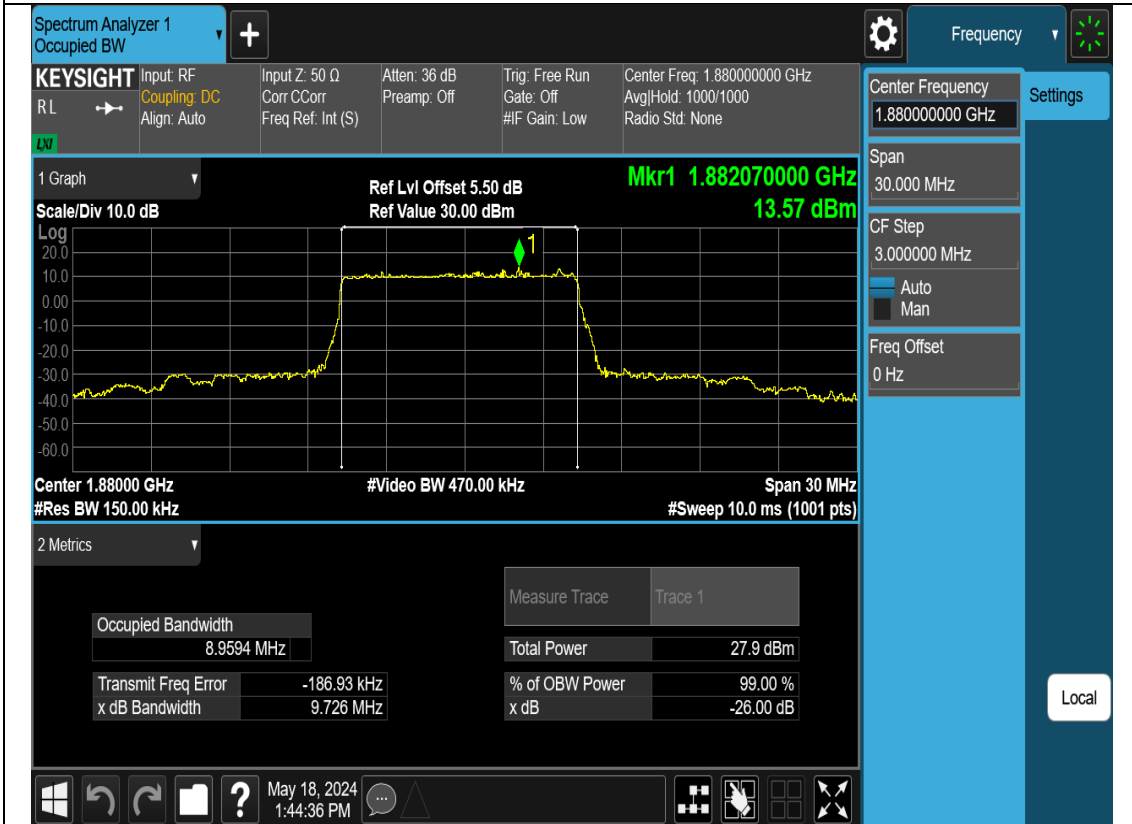




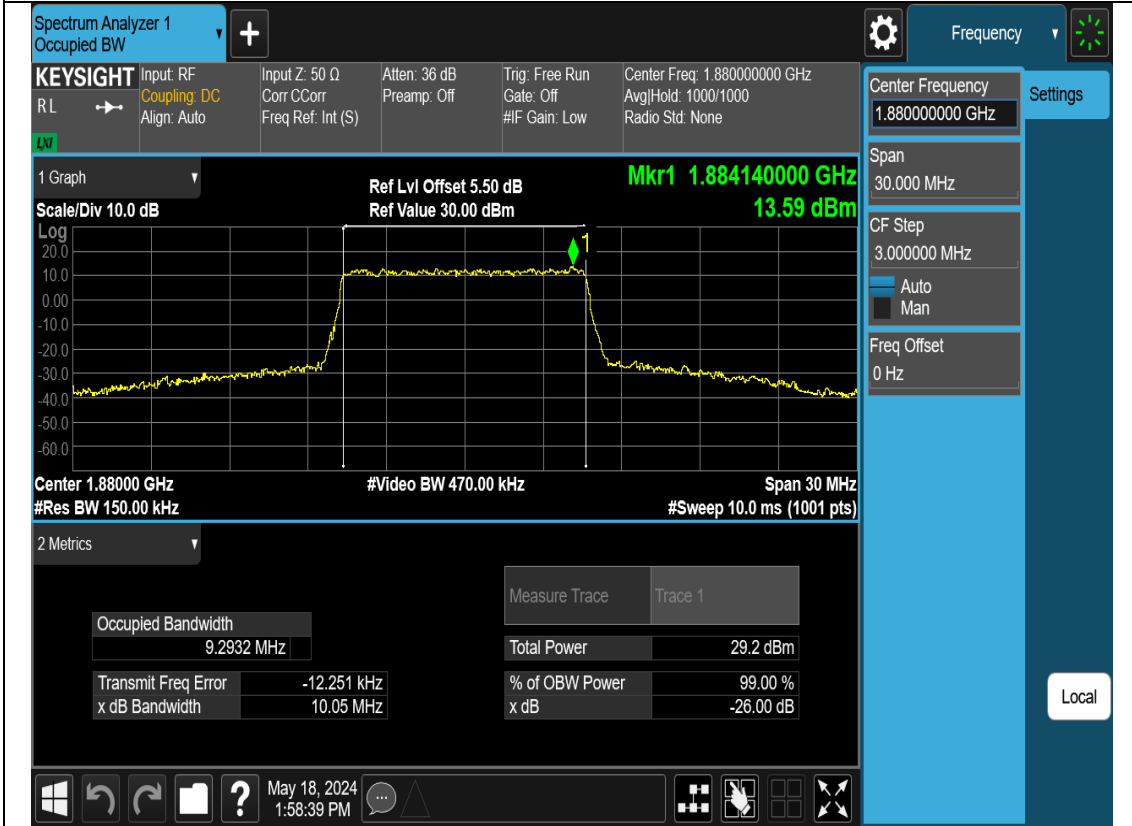
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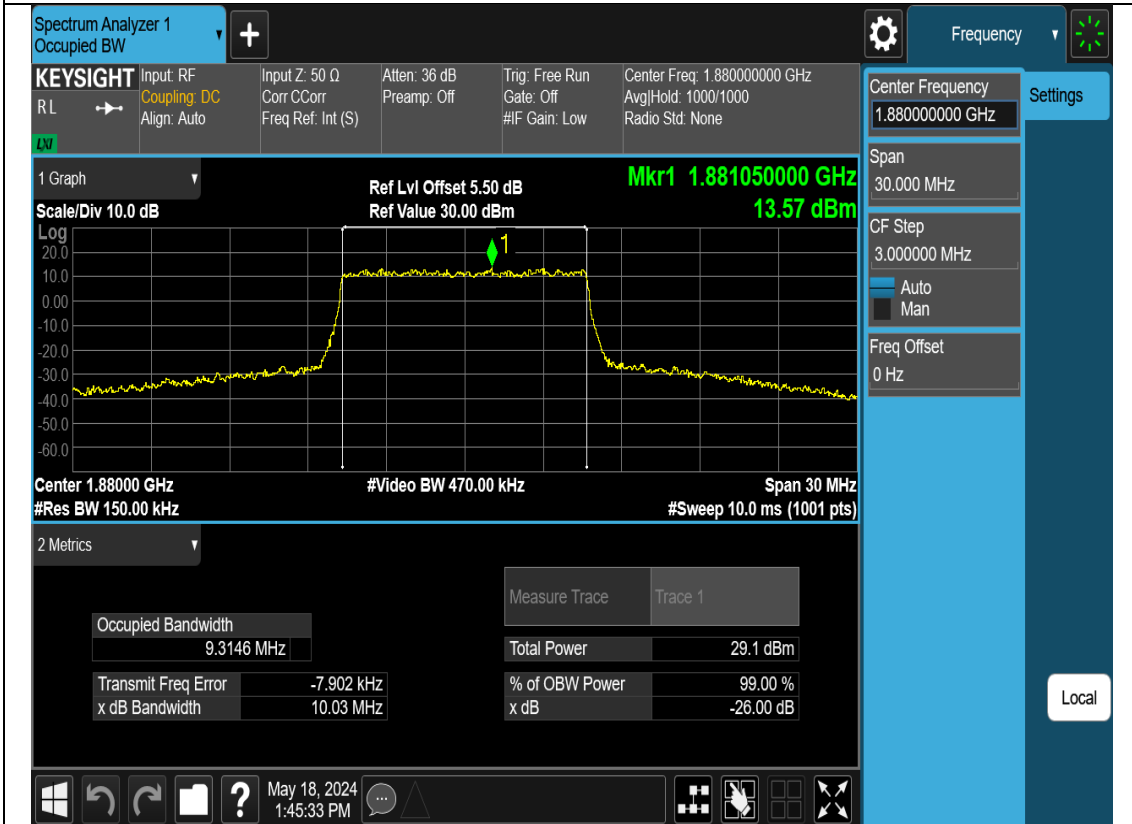
N2-10M-OBW-M-DFT-s-OFDM-256QAM



N2-10M-OBW-M-CP-OFDM-QPSK



N2-10M-OBW-M-CP-OFDM-16QAM



N2-10M-OBW-M-CP-OFDM-64QAM

Spectrum Analyzer 1  
Occupied BW

KEYSIGHT Input RF  
RL Coupling: DC  
Align: Auto

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: 1.880000000 GHz  
Avg/Hold: 1000/1000  
Radio Std: None

Center Frequency: 1.880000000 GHz

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 1.882760000 GHz  
13.92 dBm

Center 1.88000 GHz  
#Res BW 150.00 kHz  
#Video BW 470.00 kHz  
Span 30 MHz  
#Sweep 10.0 ms (1001 pts)

2 Metrics

Occupied Bandwidth	9.3118 MHz	Total Power	29.0 dBm
Transmit Freq Error	-26.665 kHz	% of OBW Power	99.00 %
x dB Bandwidth	10.05 MHz	x dB	-26.00 dB

May 18, 2024  
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N2-10M-OBW-M-CP-OFDM-256QAM

Spectrum Analyzer 1  
Occupied BW

KEYSIGHT Input RF  
RL Coupling: DC  
Align: Auto

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: 1.880000000 GHz  
Avg/Hold: 1000/1000  
Radio Std: None

Center Frequency: 1.880000000 GHz

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 1.880510000 GHz  
10.12 dBm

Center 1.88000 GHz  
#Res BW 150.00 kHz  
#Video BW 470.00 kHz  
Span 30 MHz  
#Sweep 10.0 ms (1001 pts)

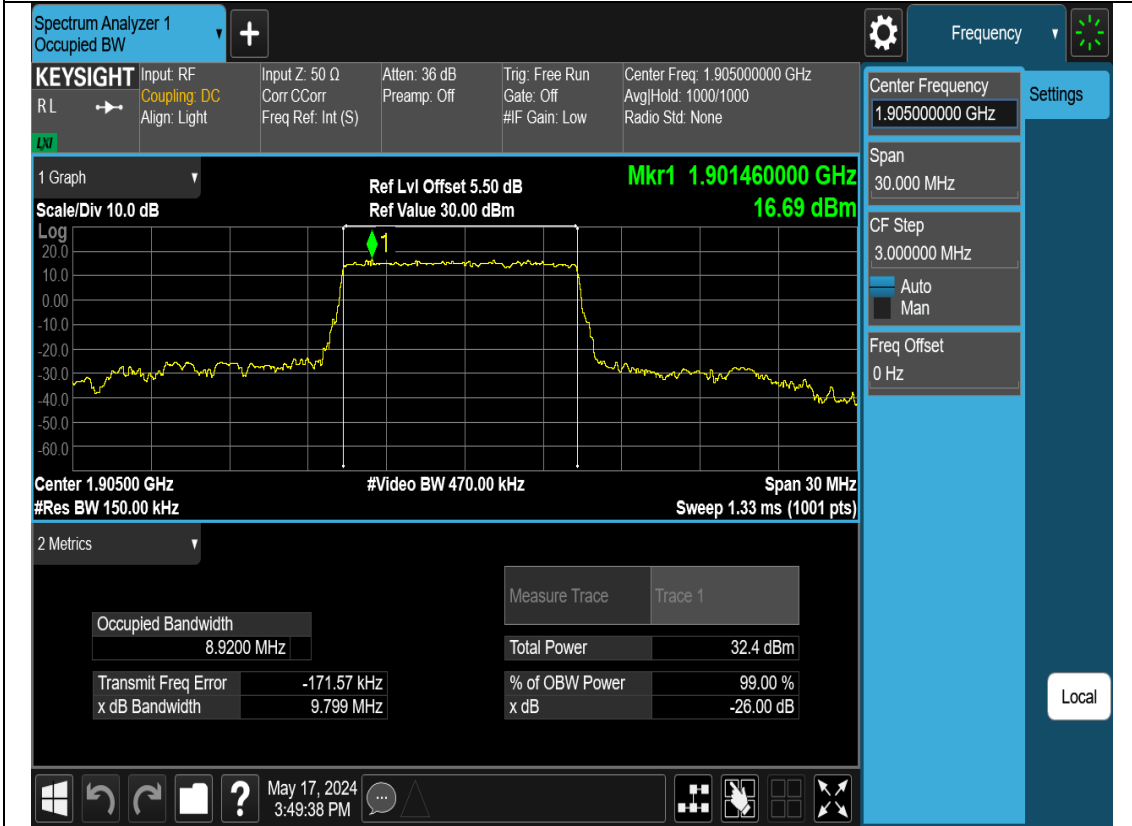
2 Metrics

Occupied Bandwidth	9.3261 MHz	Total Power	25.9 dBm
Transmit Freq Error	92 Hz	% of OBW Power	99.00 %
x dB Bandwidth	10.10 MHz	x dB	-26.00 dB

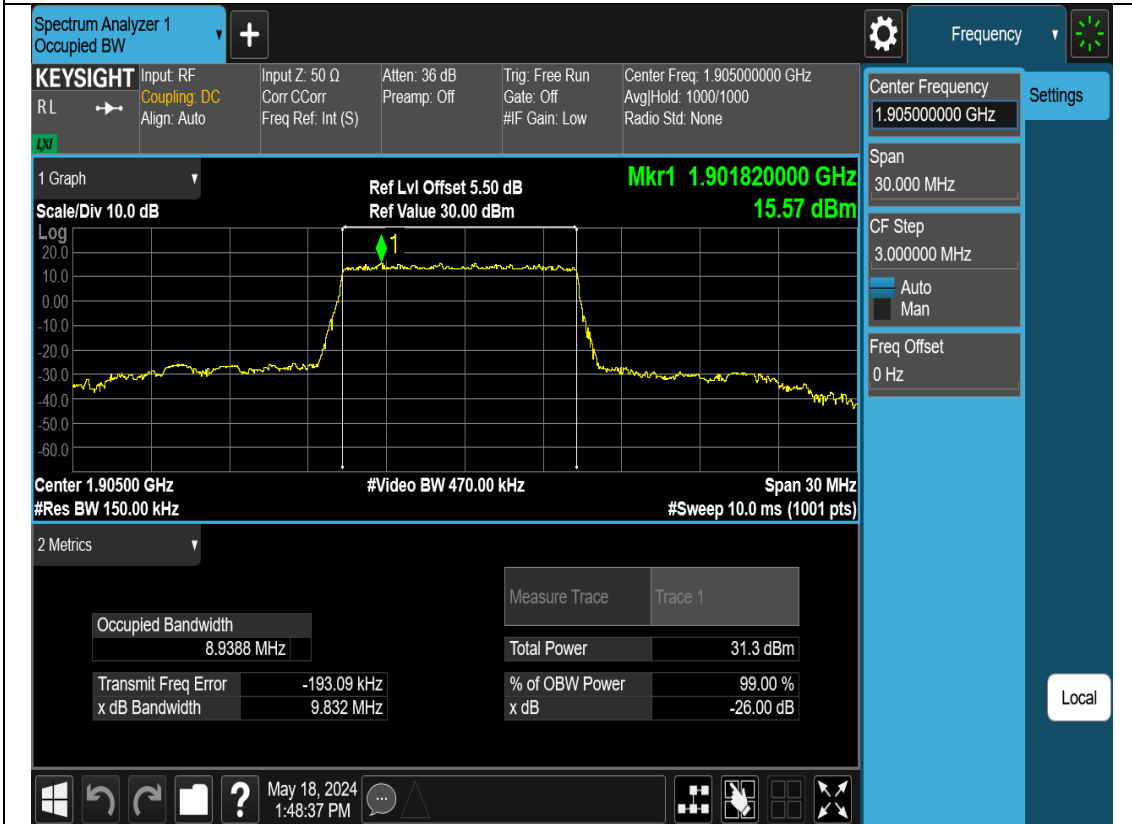
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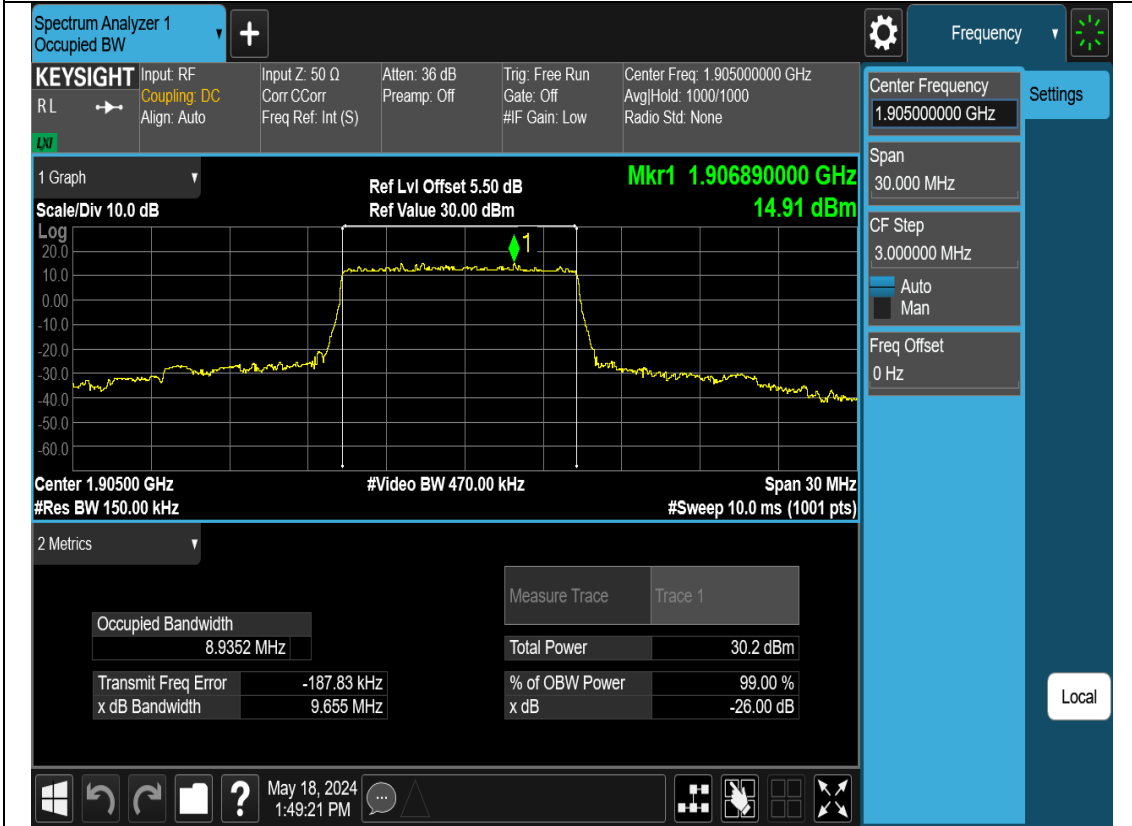
N2-10M-OBW-H-DFT-s-OFDM-Pi2 BPSK



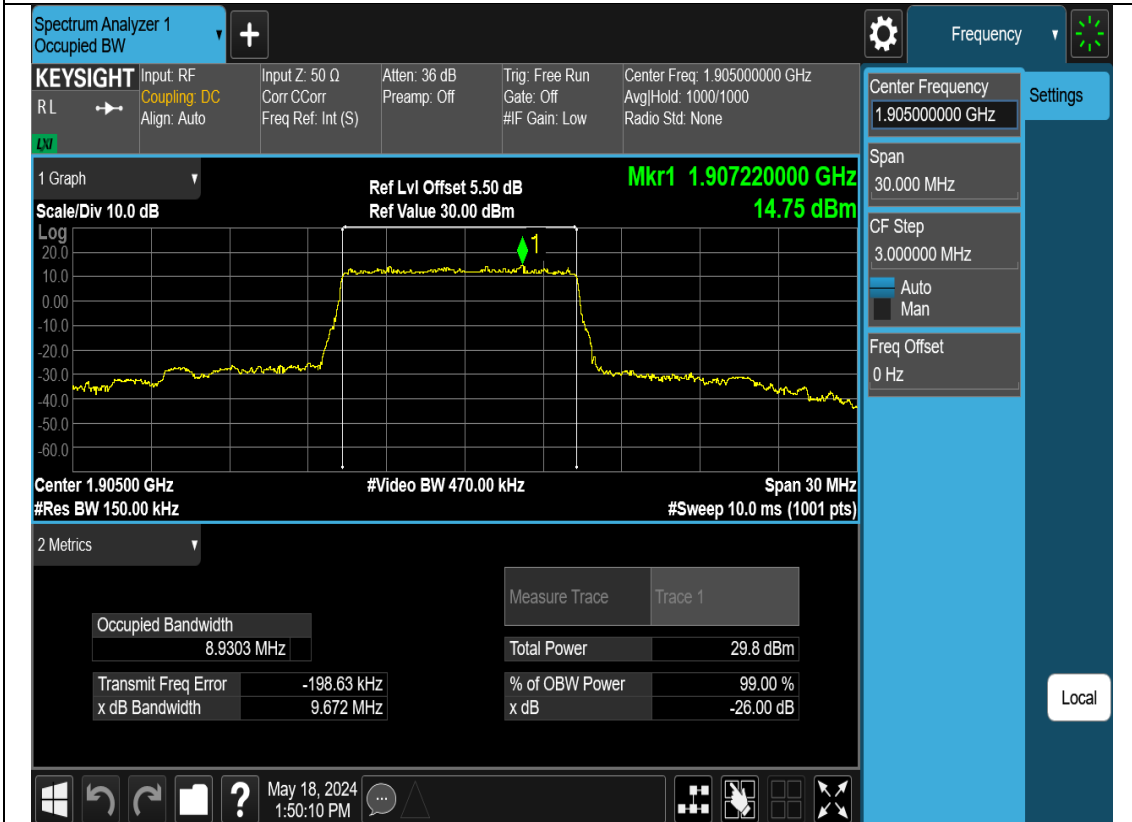
N2-10M-OBW-H-DFT-s-OFDM-QPSK



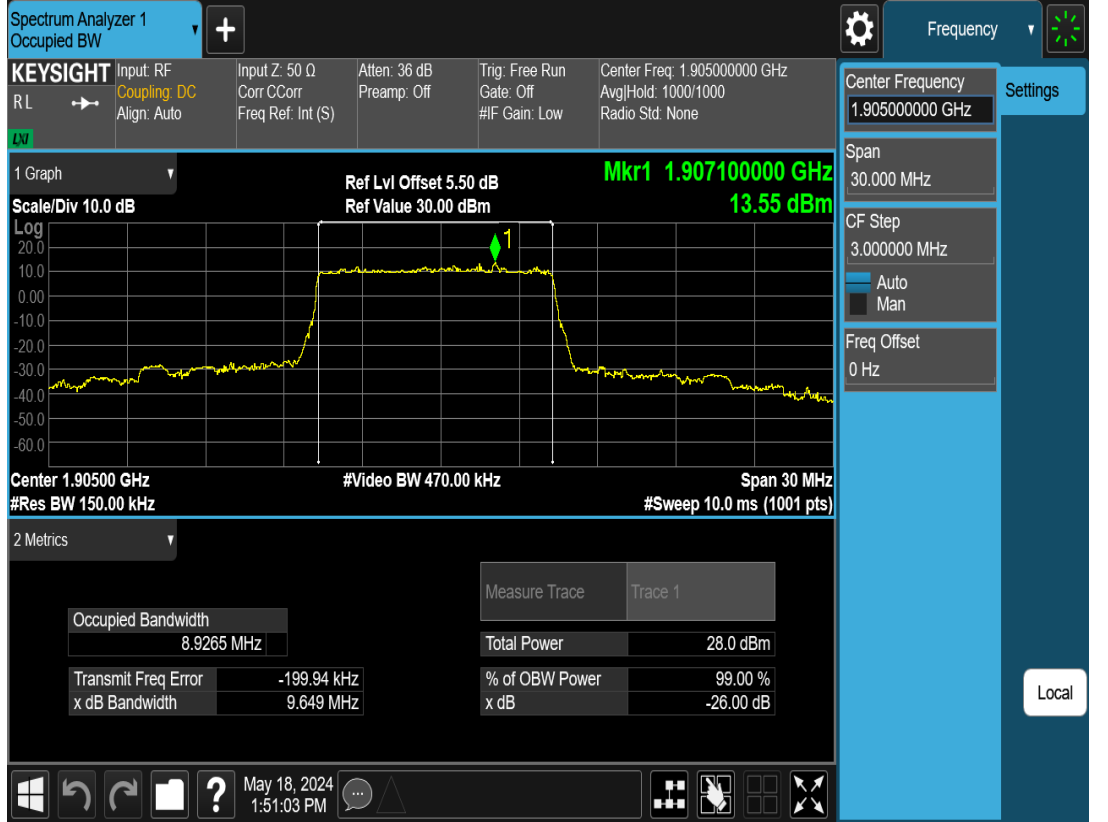
N2-10M-OBW-H-DFT-s-OFDM-16QAM



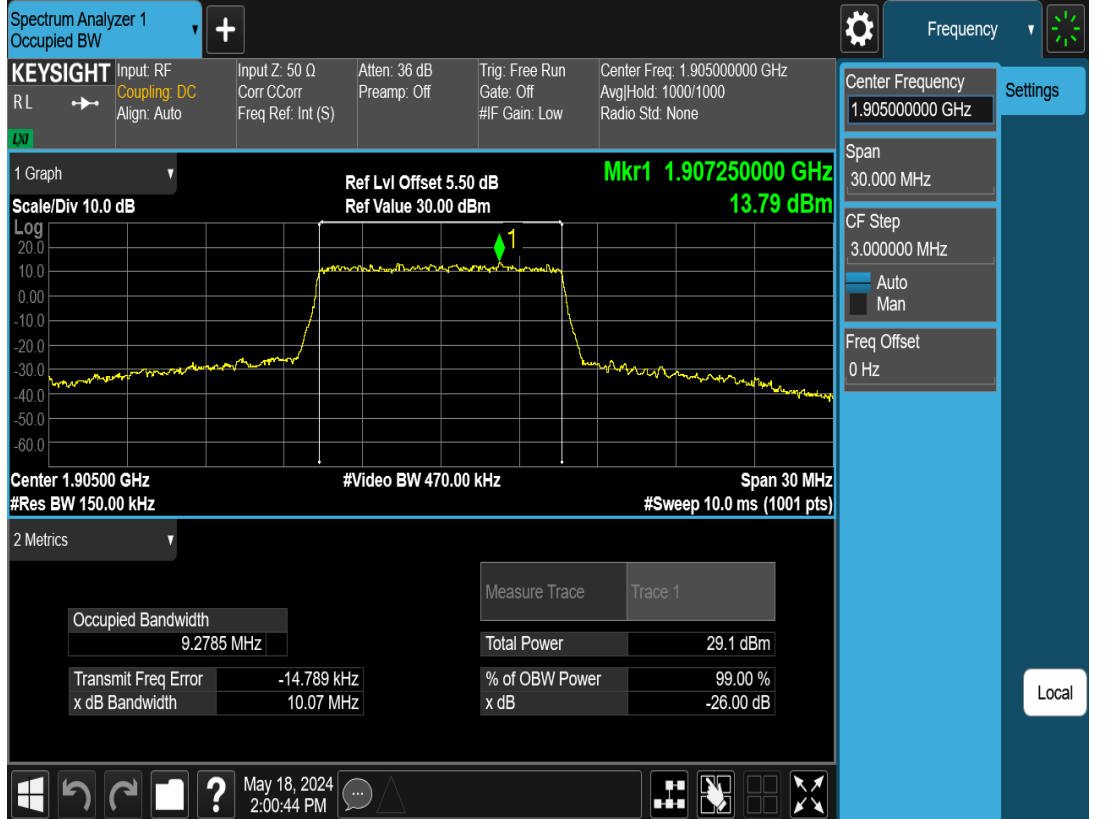
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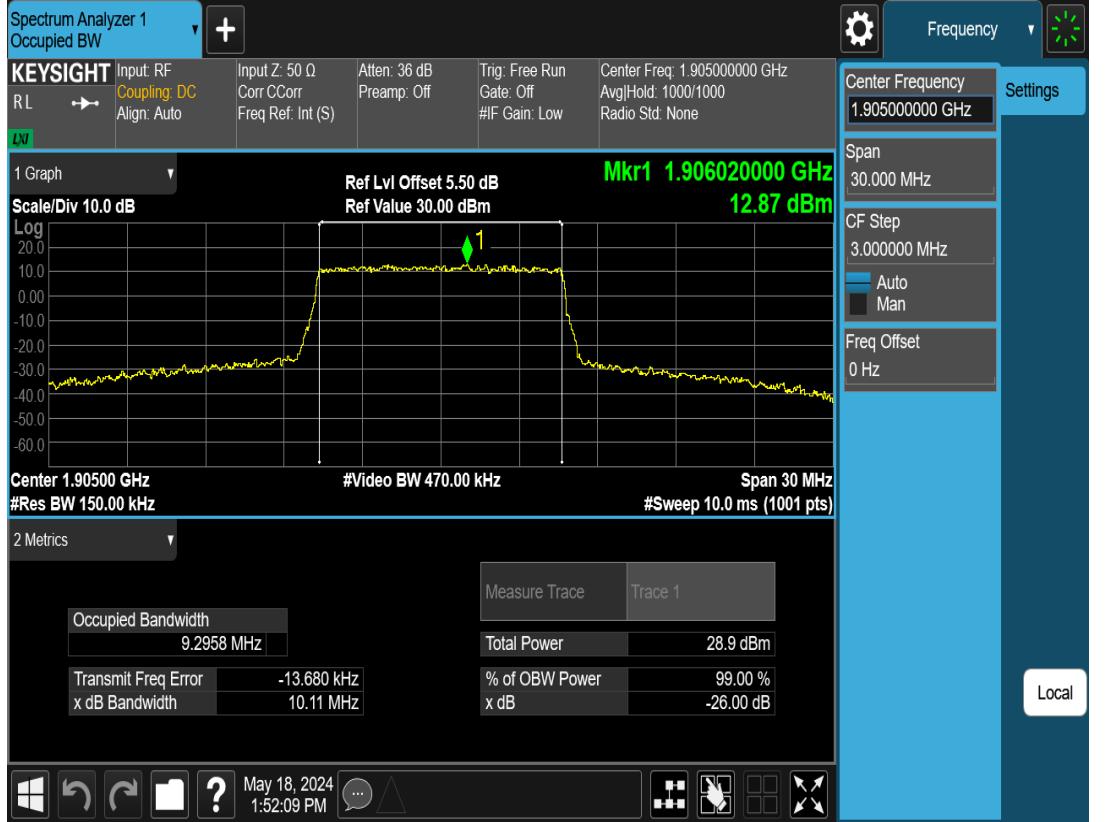
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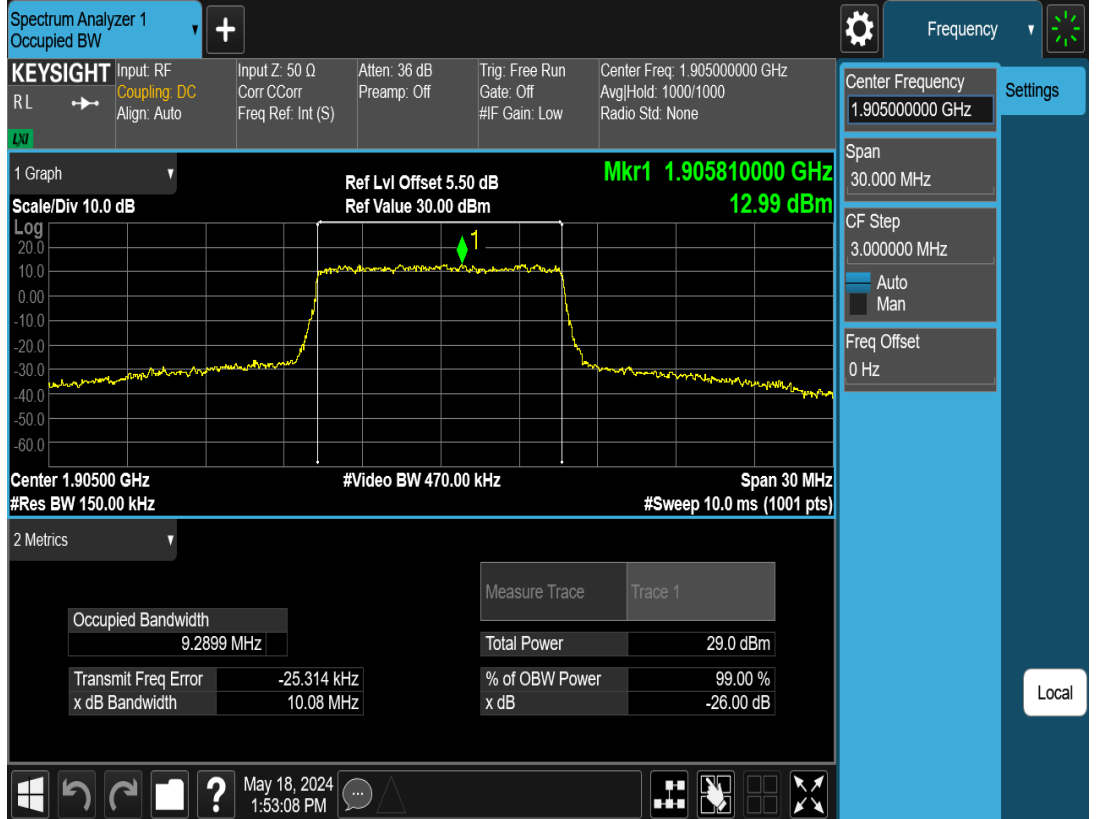
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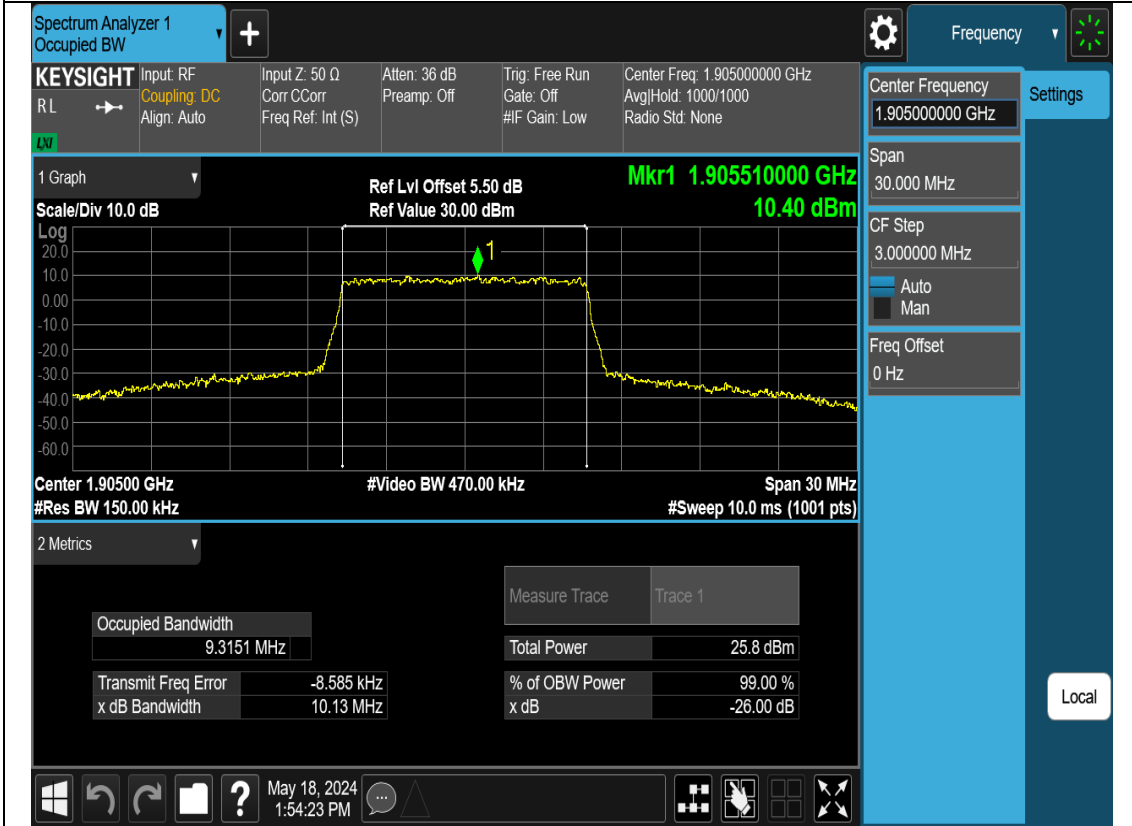
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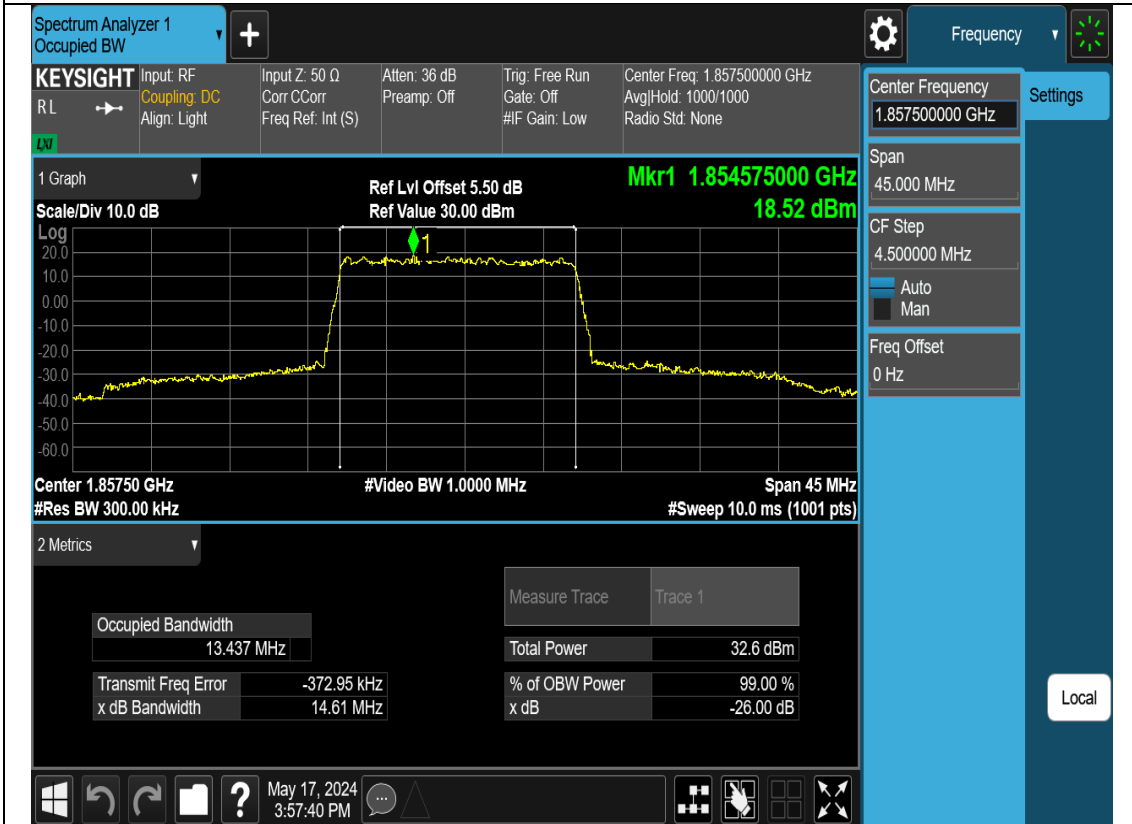
N2-10M-OBW-H-CP-OFDM-64QAM



N2-10M-OBW-H-CP-OFDM-256QAM

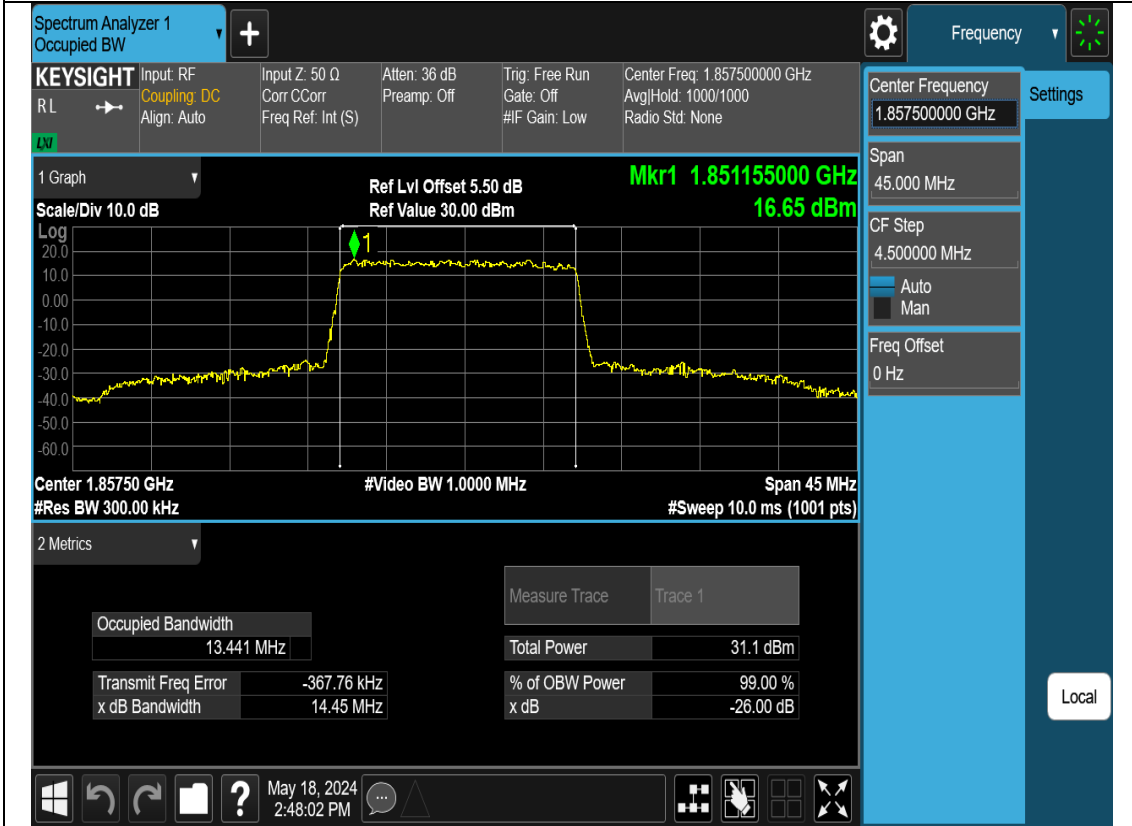


N2-15M-OBW-L-DFT-s-OFDM-Pi2 BPSK

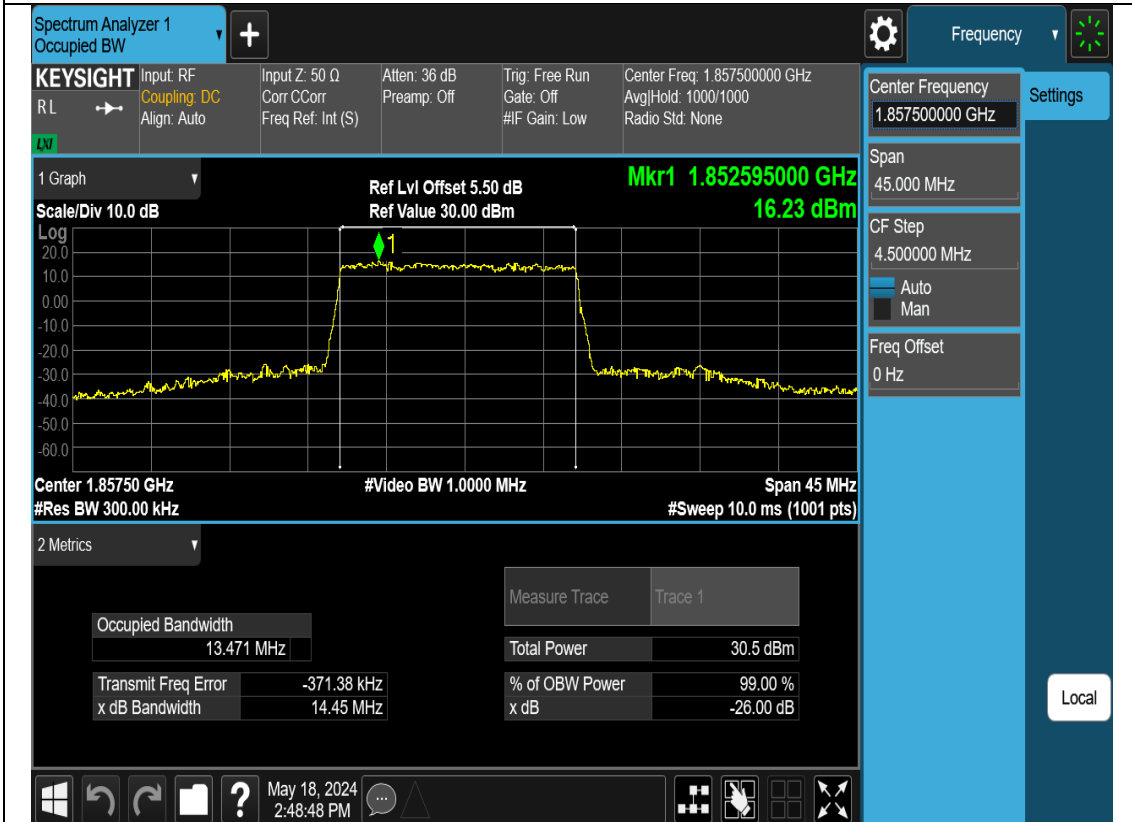




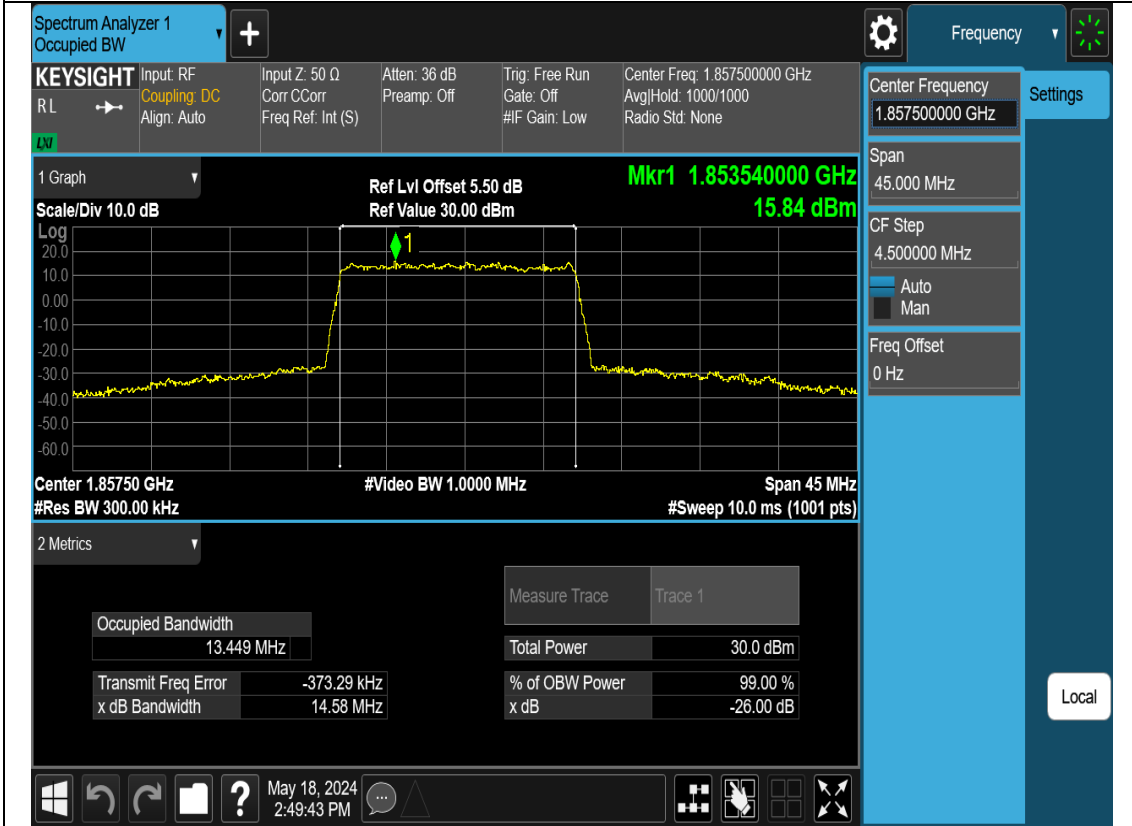
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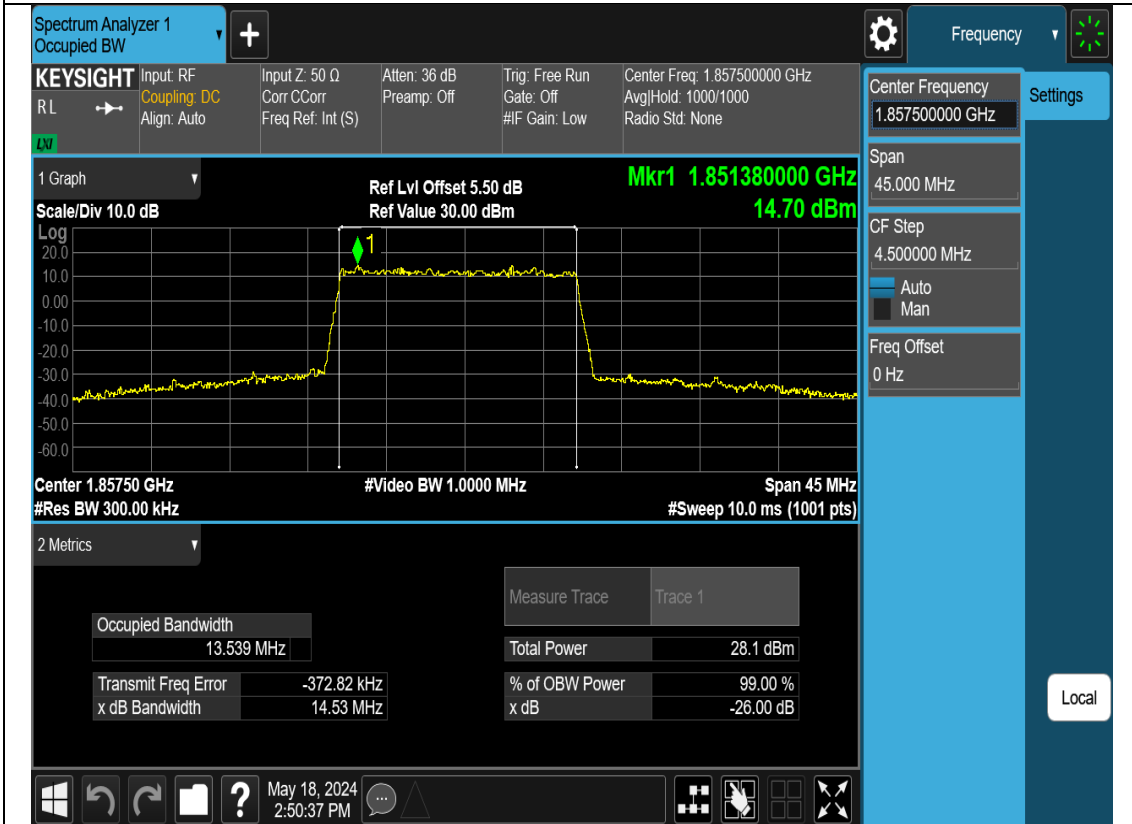
N2-15M-OBW-L-DFT-s-OFDM-16QAM



N2-15M-OBW-L-DFT-s-OFDM-64QAM



N2-15M-OBW-L-DFT-s-OFDM-256QAM



N2-15M-OBW-L-CP-OFDM-QPSK

Spectrum Analyzer 1  
Occupied BW

KEYSIGHT Input RF  
RL Coupling: DC  
Align: Auto

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: 1.85750000 GHz  
Avg/Hold: 1000/1000  
Radio Std: None

Center Frequency: 1.85750000 GHz

Span: 45.000 MHz

CF Step: 4.500000 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 1.853720000 GHz  
15.96 dBm

Center 1.85750 GHz  
#Res BW 300.00 kHz  
#Video BW 1.0000 MHz  
Span 45 MHz  
#Sweep 10.0 ms (1001 pts)

2 Metrics

Measure Trace		Trace 1	
Occupied Bandwidth	14.102 MHz	Total Power	29.9 dBm
Transmit Freq Error	-21.090 kHz	% of OBW Power	99.00 %
x dB Bandwidth	15.16 MHz	x dB	-26.00 dB

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N2-15M-OBW-L-CP-OFDM-16QAM

Spectrum Analyzer 1  
Occupied BW

KEYSIGHT Input RF  
RL Coupling: DC  
Align: Auto

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: 1.85750000 GHz  
Avg/Hold: 1000/1000  
Radio Std: None

Center Frequency: 1.85750000 GHz

Span: 45.000 MHz

CF Step: 4.500000 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 1.857185000 GHz  
15.21 dBm

Center 1.85750 GHz  
#Res BW 300.00 kHz  
#Video BW 1.0000 MHz  
Span 45 MHz  
#Sweep 10.0 ms (1001 pts)

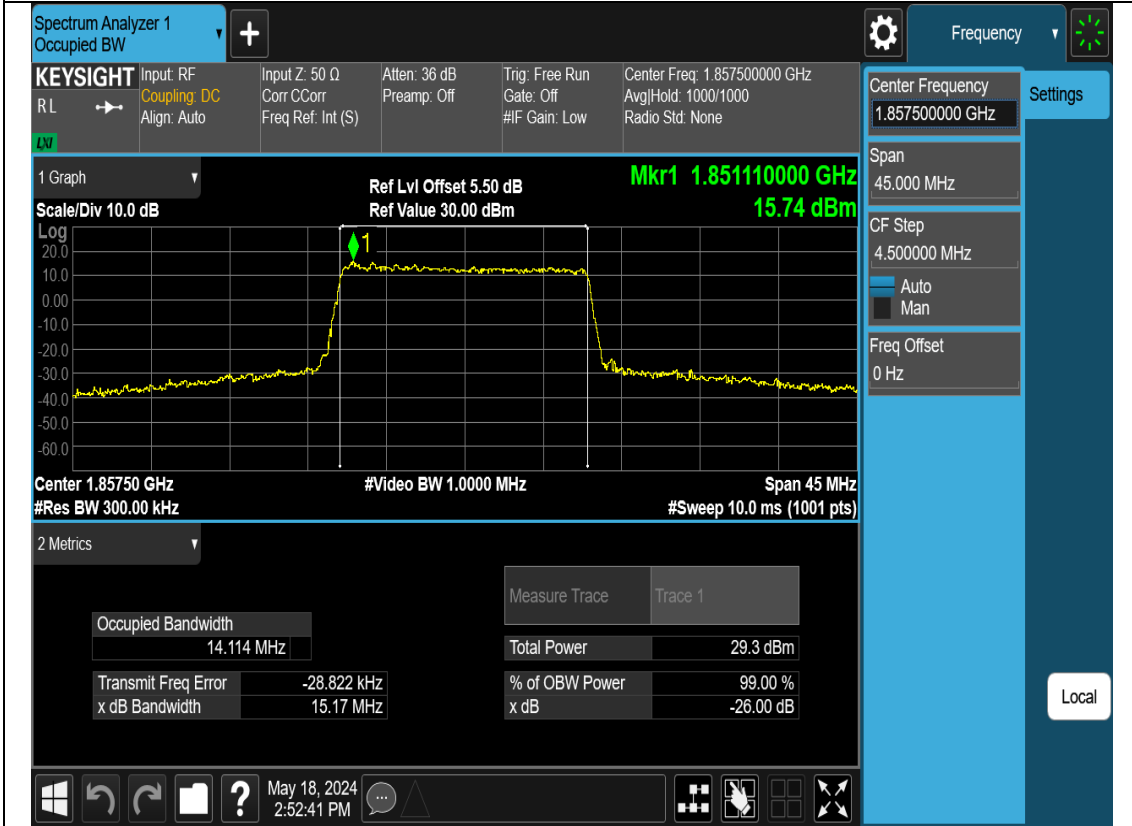
2 Metrics

Measure Trace		Trace 1	
Occupied Bandwidth	14.120 MHz	Total Power	29.9 dBm
Transmit Freq Error	-13.661 kHz	% of OBW Power	99.00 %
x dB Bandwidth	15.10 MHz	x dB	-26.00 dB

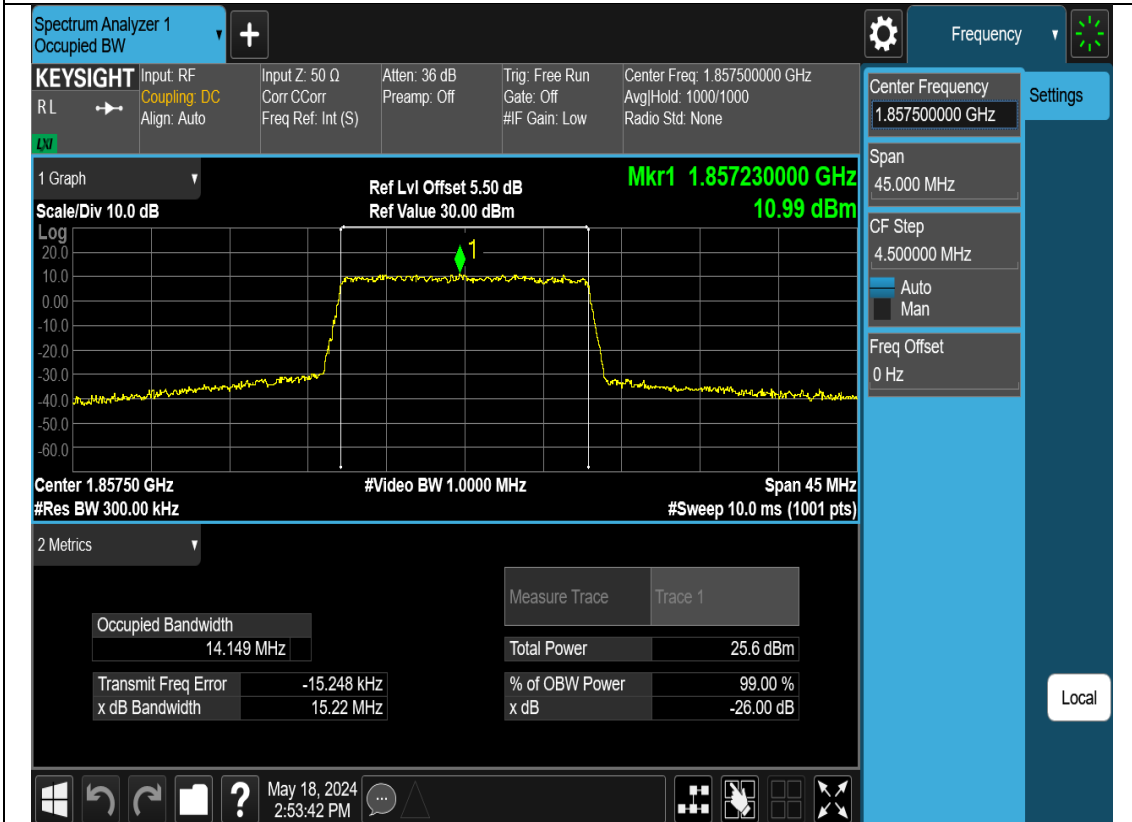
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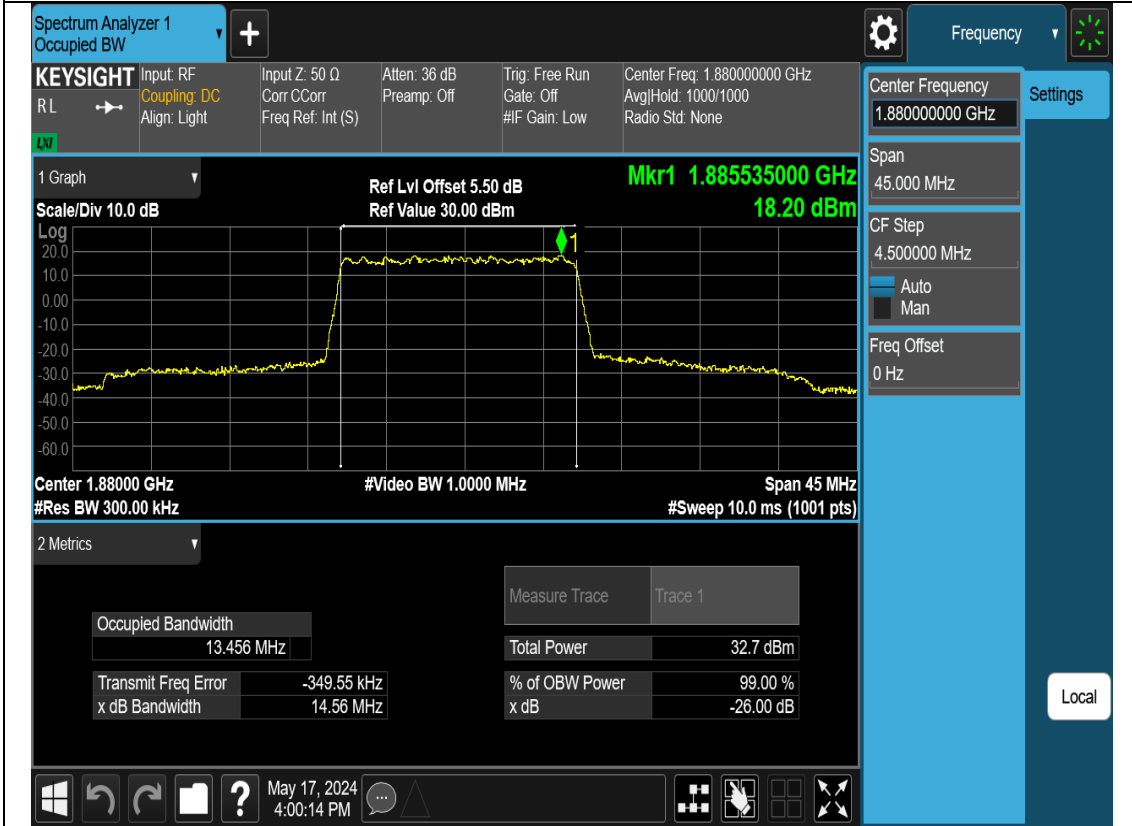
N2-15M-OBW-L-CP-OFDM-64QAM



N2-15M-OBW-L-CP-OFDM-256QAM



N2-15M-OBW-M-DFT-s-OFDM-Pi2 BPSK



N2-15M-OBW-M-DFT-s-OFDM-QPSK

