

99% & 26dB Bandwidth

Test Result

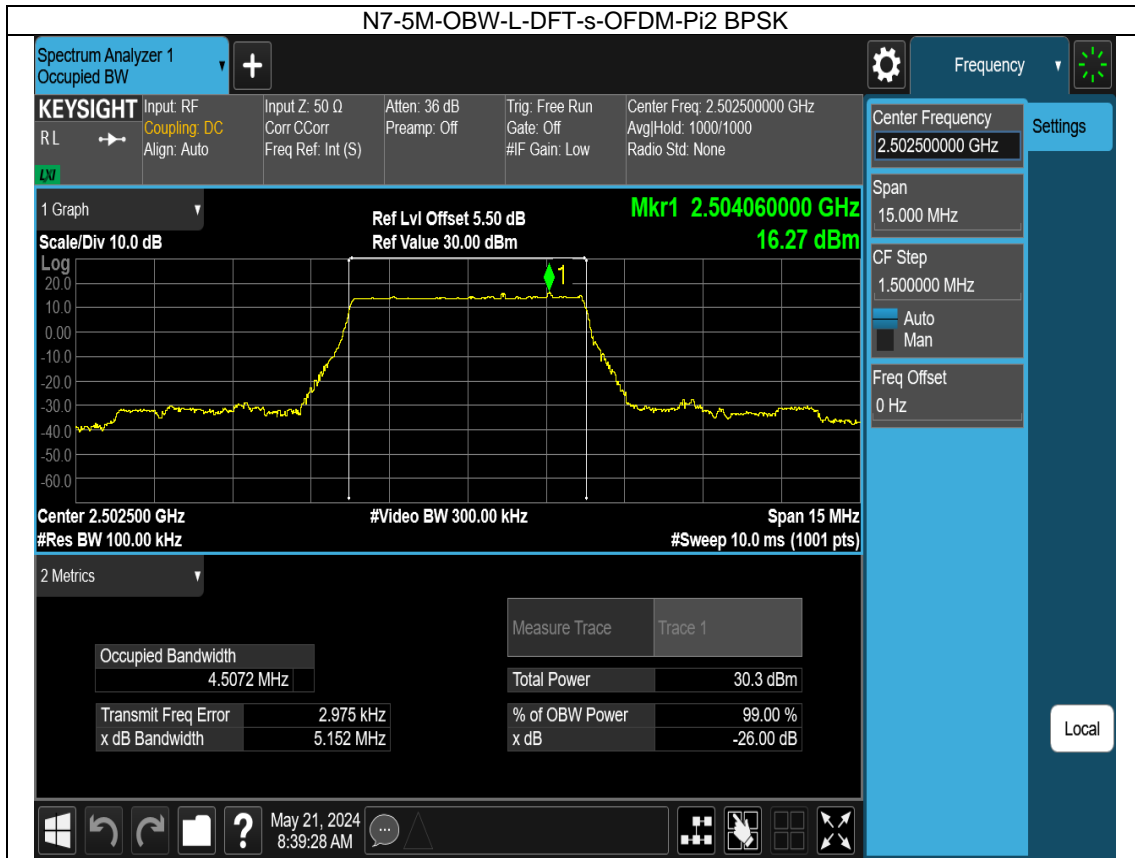
5G NR n7 SCS=15kHz 5MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	4.507	5.152	/	Pass
DFT-s-OFDM QPSK		Outer_Full	4.496	5.146	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	4.520	5.148	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	4.522	5.191	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	4.483	5.077	/	Pass
CP-OFDM QPSK		Outer_Full	4.498	5.174	/	Pass
CP-OFDM 16QAM		Outer_Full	4.496	5.168	/	Pass
CP-OFDM 64QAM		Outer_Full	4.504	5.170	/	Pass
CP-OFDM 256QAM		Outer_Full	4.511	5.214	/	Pass
DFT-s-OFDM PI/2 BPSK		Middle CH	Outer_Full	4.506	5.188	/
DFT-s-OFDM QPSK	Outer_Full		4.507	5.193	/	Pass
DFT-s-OFDM 16QAM	Outer_Full		4.512	5.158	/	Pass
DFT-s-OFDM 64QAM	Outer_Full		4.524	5.254	/	Pass
DFT-s-OFDM 256QAM	Outer_Full		4.491	5.107	/	Pass
CP-OFDM QPSK	Outer_Full		4.490	5.163	/	Pass
CP-OFDM 16QAM	Outer_Full		4.495	5.125	/	Pass
CP-OFDM 64QAM	Outer_Full		4.512	5.178	/	Pass
CP-OFDM 256QAM	Outer_Full		4.511	5.192	/	Pass
DFT-s-OFDM PI/2 BPSK	High CH		Outer_Full	4.499	5.137	/
DFT-s-OFDM QPSK		Outer_Full	4.504	5.203	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	4.515	5.167	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	4.512	5.233	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	4.493	5.119	/	Pass
CP-OFDM QPSK		Outer_Full	4.494	5.160	/	Pass
CP-OFDM 16QAM		Outer_Full	4.503	5.173	/	Pass
CP-OFDM 64QAM		Outer_Full	4.504	5.109	/	Pass
CP-OFDM 256QAM		Outer_Full	4.527	5.228	/	Pass

5G NR n7 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	8.962	9.734	/	Pass
DFT-s-OFDM QPSK		Outer_Full	8.960	9.650	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	8.987	9.785	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	8.960	9.641	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	8.956	9.746	/	Pass
CP-OFDM QPSK		Outer_Full	9.323	10.14	/	Pass
CP-OFDM 16QAM		Outer_Full	9.316	10.21	/	Pass
CP-OFDM 64QAM		Outer_Full	9.310	10.10	/	Pass
CP-OFDM 256QAM		Outer_Full	9.298	10.10	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	8.951	9.817	/	Pass
DFT-s-OFDM QPSK		Outer_Full	8.973	9.839	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	8.982	9.812	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	8.961	9.724	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	8.966	9.742	/	Pass
CP-OFDM QPSK		Outer_Full	9.284	9.995	/	Pass
CP-OFDM 16QAM		Outer_Full	8.948	9.820	/	Pass
CP-OFDM 64QAM		Outer_Full	8.959	9.716	/	Pass
CP-OFDM 256QAM		Outer_Full	9.334	10.22	/	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	8.954	9.764	/	Pass
DFT-s-OFDM QPSK		Outer_Full	8.961	9.738	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	8.978	9.698	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	8.940	9.703	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	8.959	9.721	/	Pass
CP-OFDM QPSK		Outer_Full	9.309	10.22	/	Pass
CP-OFDM 16QAM		Outer_Full	8.948	9.848	/	Pass
CP-OFDM 64QAM		Outer_Full	8.951	9.734	/	Pass
CP-OFDM 256QAM		Outer_Full	8.933	9.676	/	Pass

5G NR n7 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	13.445	14.57	/	Pass
DFT-s-OFDM QPSK		Outer_Full	13.483	14.44	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	13.455	14.60	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	13.472	14.45	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	13.462	14.48	/	Pass
CP-OFDM QPSK		Outer_Full	14.117	15.21	/	Pass
CP-OFDM 16QAM		Outer_Full	14.105	15.19	/	Pass
CP-OFDM 64QAM		Outer_Full	14.149	15.19	/	Pass
CP-OFDM 256QAM		Outer_Full	14.183	15.27	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	13.469	14.57	/	Pass
DFT-s-OFDM QPSK		Outer_Full	13.497	14.54	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	13.482	14.62	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	13.479	14.44	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	13.486	14.47	/	Pass
CP-OFDM QPSK		Outer_Full	14.13	15.14	/	Pass
CP-OFDM 16QAM		Outer_Full	13.459	14.48	/	Pass
CP-OFDM 64QAM		Outer_Full	13.448	14.52	/	Pass
CP-OFDM 256QAM		Outer_Full	13.438	14.63	/	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	13.48	14.59	/	Pass
DFT-s-OFDM QPSK		Outer_Full	13.469	14.55	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	13.483	14.63	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	13.468	14.45	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	13.484	14.44	/	Pass
CP-OFDM QPSK		Outer_Full	14.133	15.18	/	Pass
CP-OFDM 16QAM		Outer_Full	13.482	14.44	/	Pass
CP-OFDM 64QAM		Outer_Full	13.450	14.47	/	Pass
CP-OFDM 256QAM		Outer_Full	13.445	14.55	/	Pass

5G NR n7 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	17.840	18.97	/	Pass
DFT-s-OFDM QPSK		Outer_Full	17.877	18.93	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	17.894	18.94	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	17.900	19.03	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	17.885	19.08	/	Pass
CP-OFDM QPSK		Outer_Full	18.944	20.16	/	Pass
CP-OFDM 16QAM		Outer_Full	18.923	20.04	/	Pass
CP-OFDM 64QAM		Outer_Full	18.911	20.07	/	Pass
CP-OFDM 256QAM		Outer_Full	18.963	20.05	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	17.876	18.92	/	Pass
DFT-s-OFDM QPSK		Outer_Full	17.930	18.88	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	17.902	18.96	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	17.897	19.00	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	17.918	19.03	/	Pass
CP-OFDM QPSK		Outer_Full	18.951	20.06	/	Pass
CP-OFDM 16QAM		Outer_Full	17.898	19.01	/	Pass
CP-OFDM 64QAM		Outer_Full	17.928	18.88	/	Pass
CP-OFDM 256QAM		Outer_Full	17.844	18.98	/	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	17.876	18.98	/	Pass
DFT-s-OFDM QPSK		Outer_Full	17.937	19.08	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	17.876	18.91	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	17.914	18.93	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	17.911	19.03	/	Pass
CP-OFDM QPSK		Outer_Full	18.947	19.97	/	Pass
CP-OFDM 16QAM		Outer_Full	17.852	18.98	/	Pass
CP-OFDM 64QAM		Outer_Full	17.896	18.89	/	Pass
CP-OFDM 256QAM		Outer_Full	17.840	18.88	/	Pass

Test graph



N7-5M-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: 2.502500000 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

Center Frequency 2.502500000 GHz
 Span 15.000 MHz
 CF Step 1.500000 MHz
 Freq Offset 0 Hz

1 Graph
 Scale/Div 10.0 dB
 Ref Lvl Offset 5.50 dB
 Ref Value 30.00 dBm
 Mkr1 2.503190000 GHz
 17.91 dBm

Center 2.502500 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	4.4963 MHz	Total Power	32.4 dBm
Transmit Freq Error	-4.463 kHz	% of OBW Power	99.00 %
x dB Bandwidth	5.146 MHz	x dB	-26.00 dB

May 20, 2024 5:17:19 PM

N7-5M-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: 2.502500000 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

Center Frequency 2.502500000 GHz
 Span 15.000 MHz
 CF Step 1.500000 MHz
 Freq Offset 0 Hz

1 Graph
 Scale/Div 10.0 dB
 Ref Lvl Offset 5.50 dB
 Ref Value 30.00 dBm
 Mkr1 2.504300000 GHz
 17.71 dBm

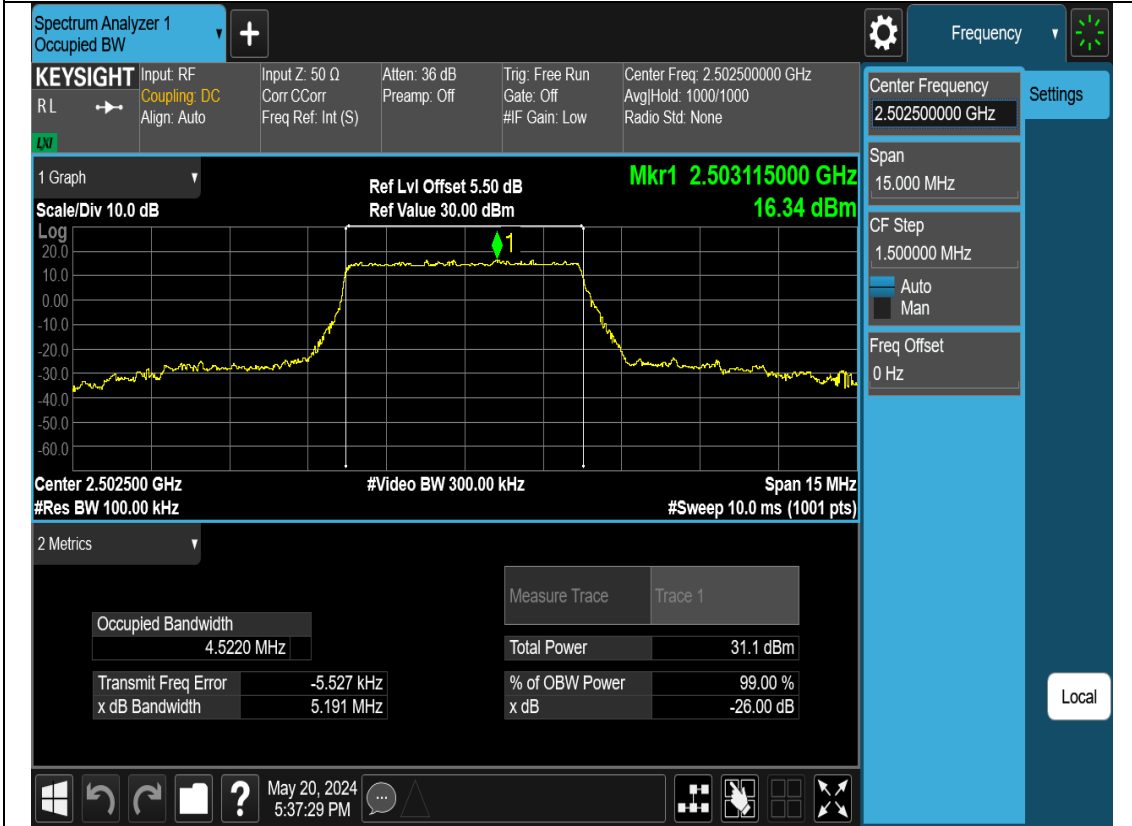
Center 2.502500 GHz #Video BW 300.00 kHz Span 15 MHz
 #Res BW 100.00 kHz #Sweep 10.0 ms (1001 pts)

2 Metrics

Measure Trace		Trace 1	
Occupied Bandwidth	4.5201 MHz	Total Power	31.5 dBm
Transmit Freq Error	3.682 kHz	% of OBW Power	99.00 %
x dB Bandwidth	5.148 MHz	x dB	-26.00 dB

May 20, 2024 5:19:36 PM

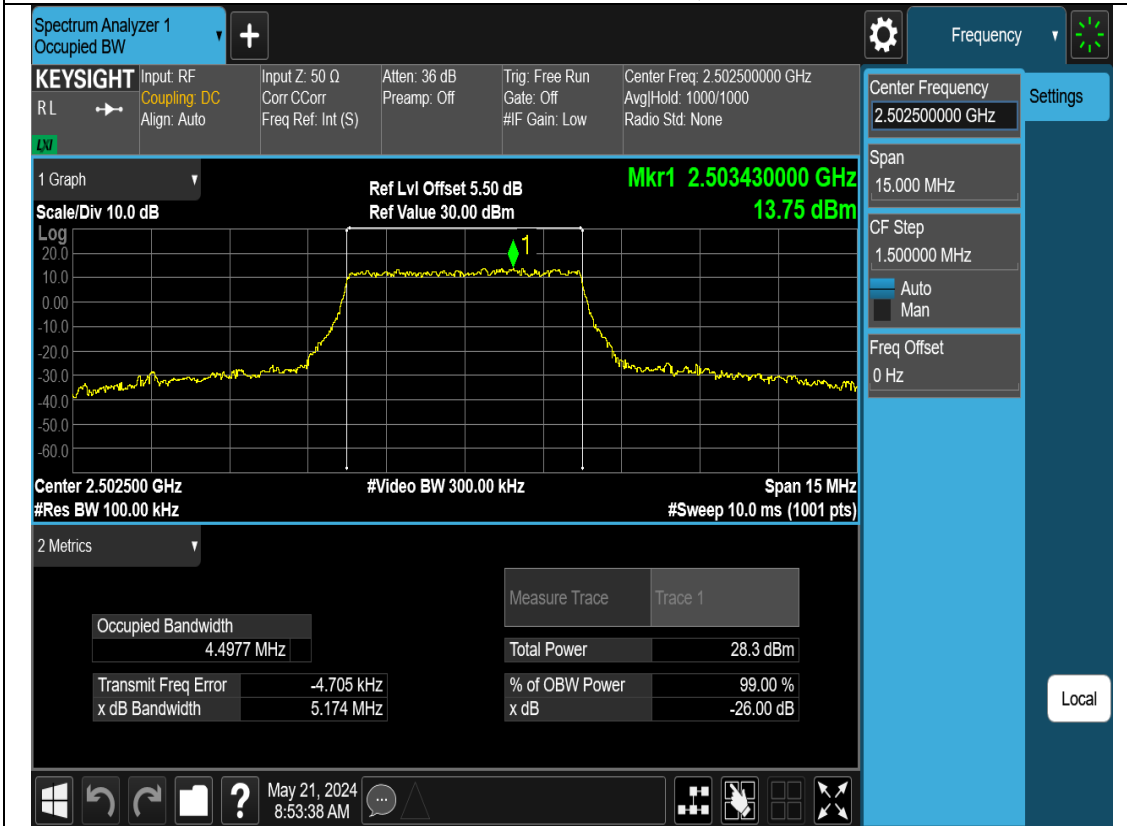
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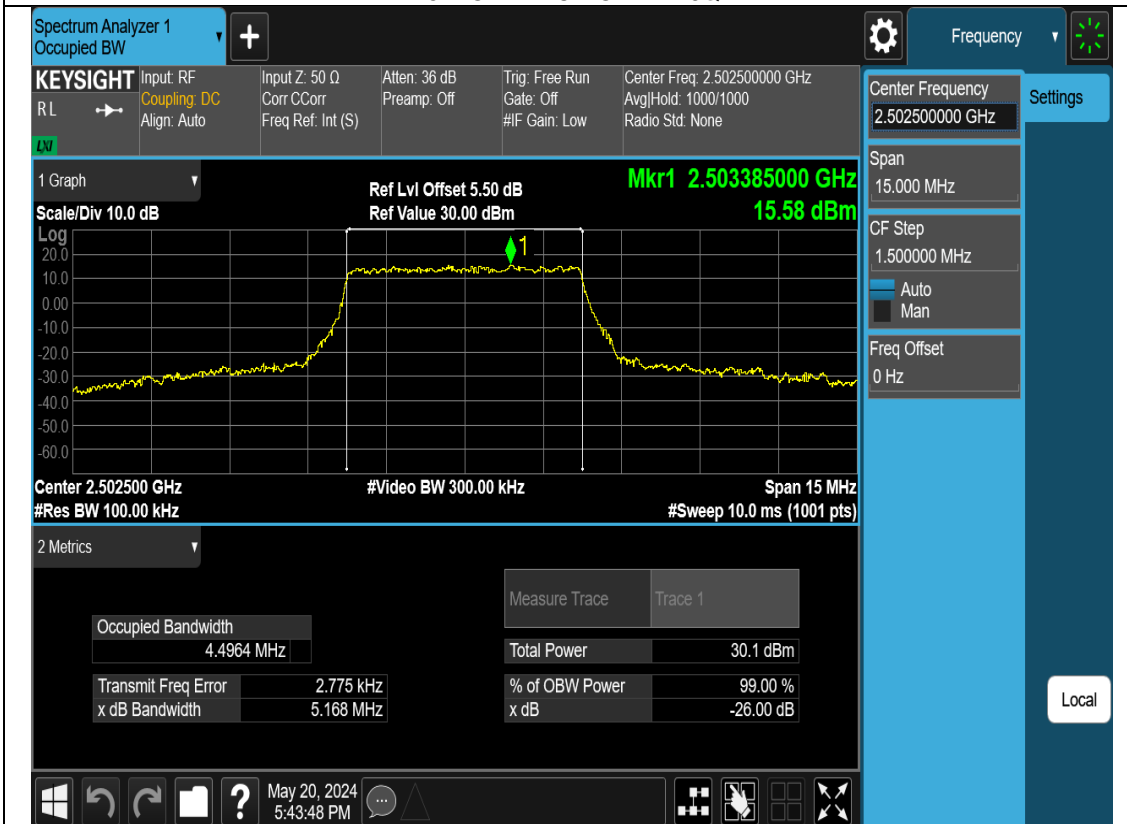
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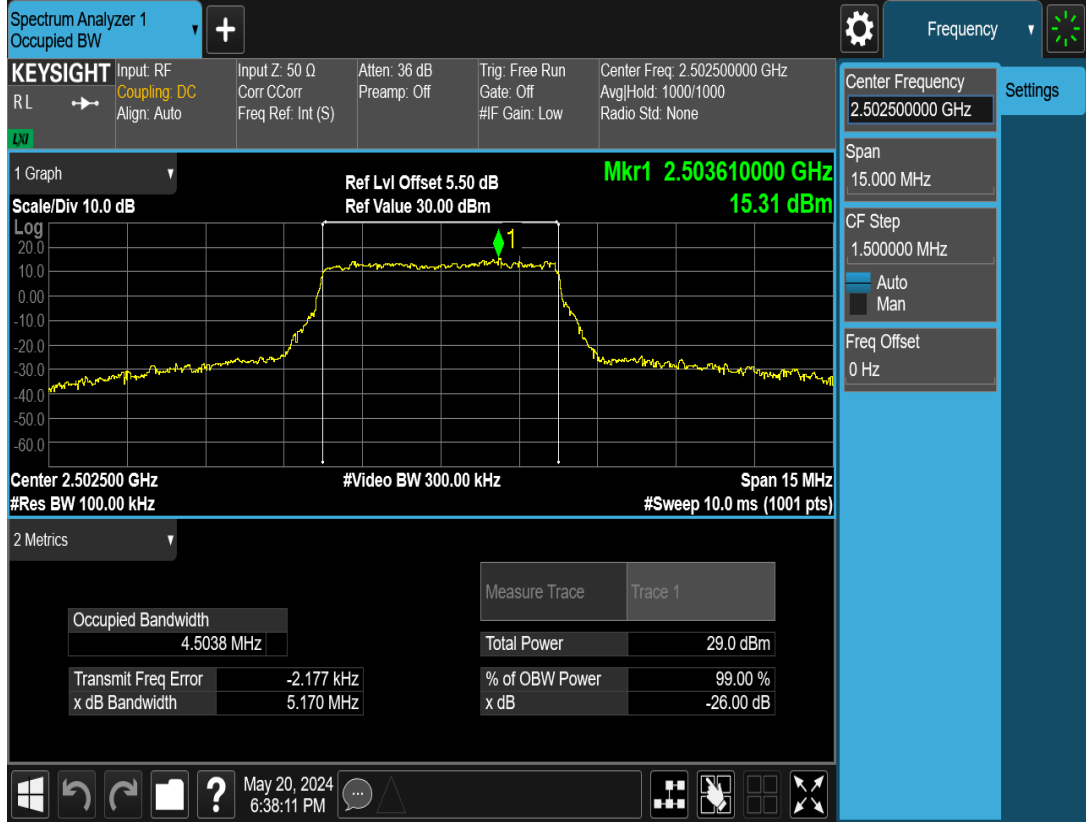
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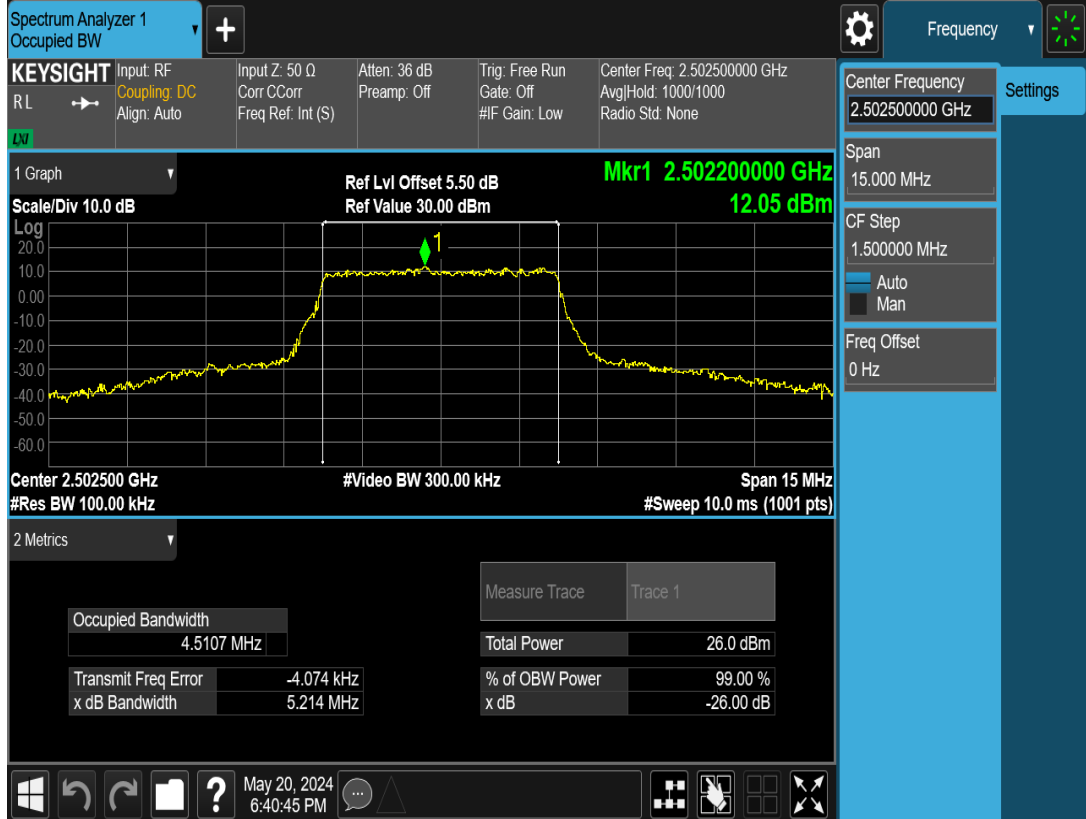
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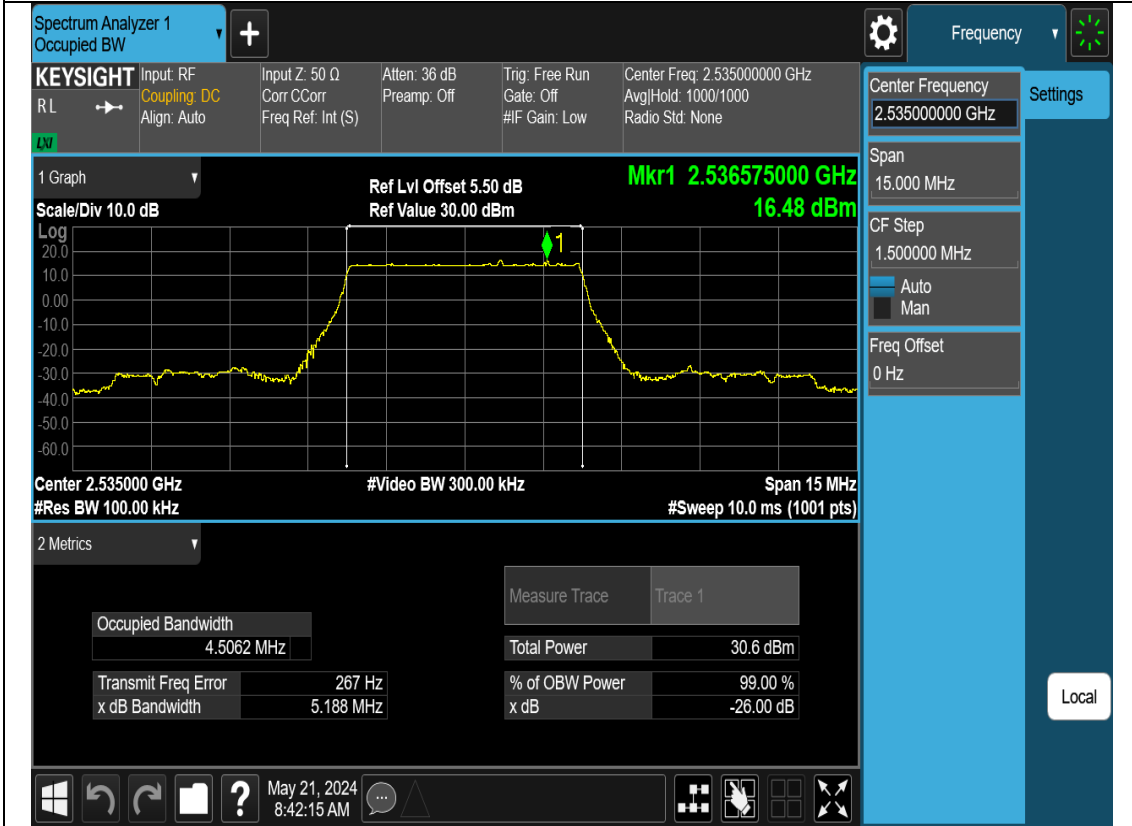
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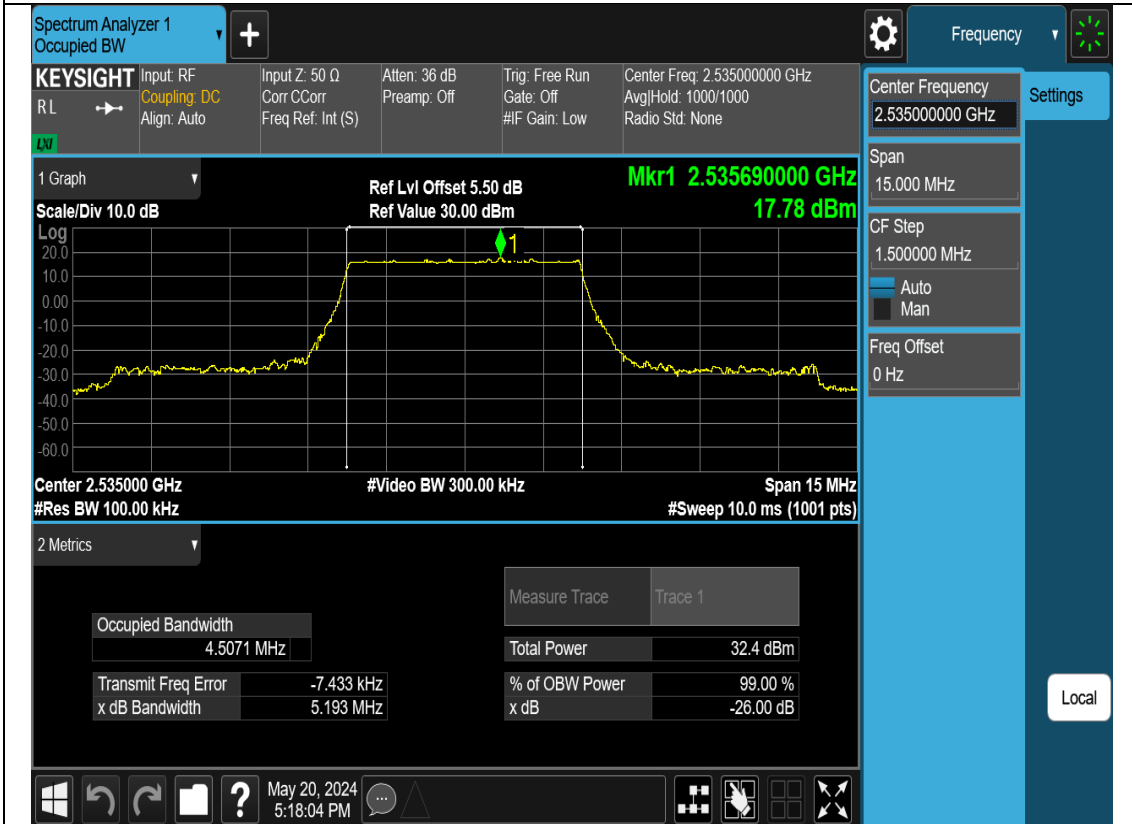
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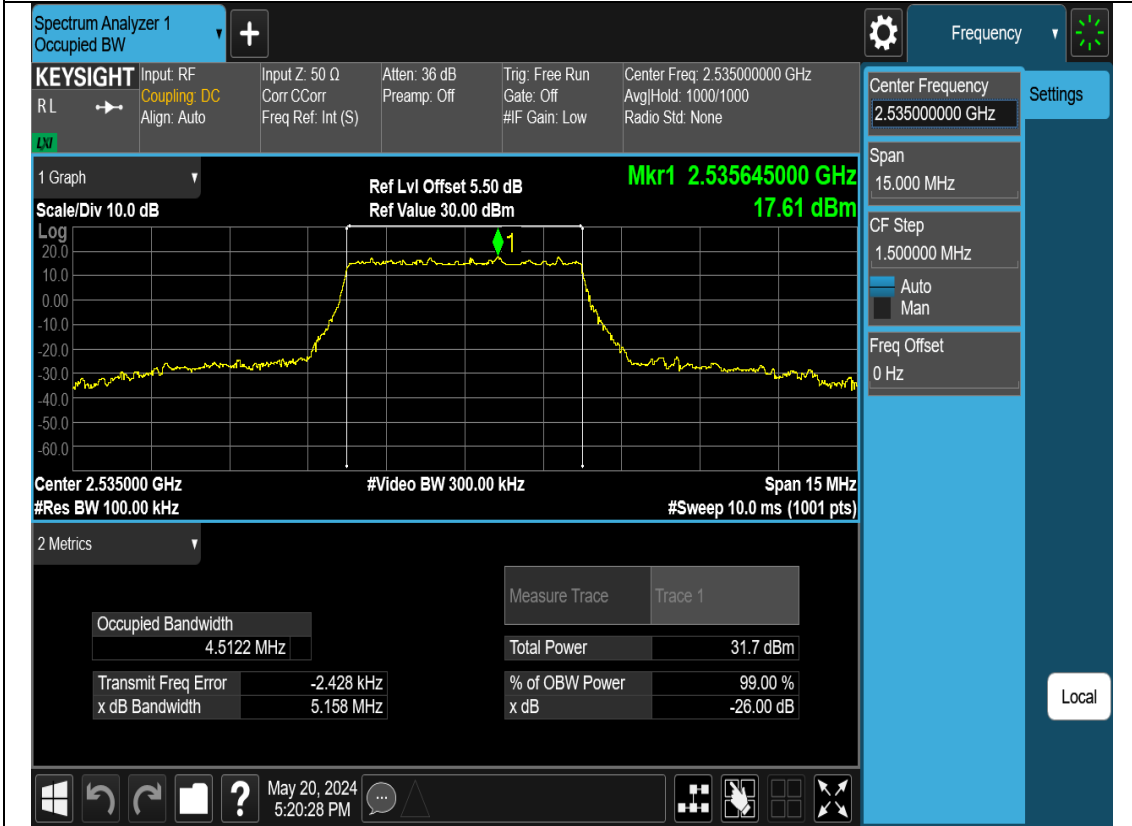
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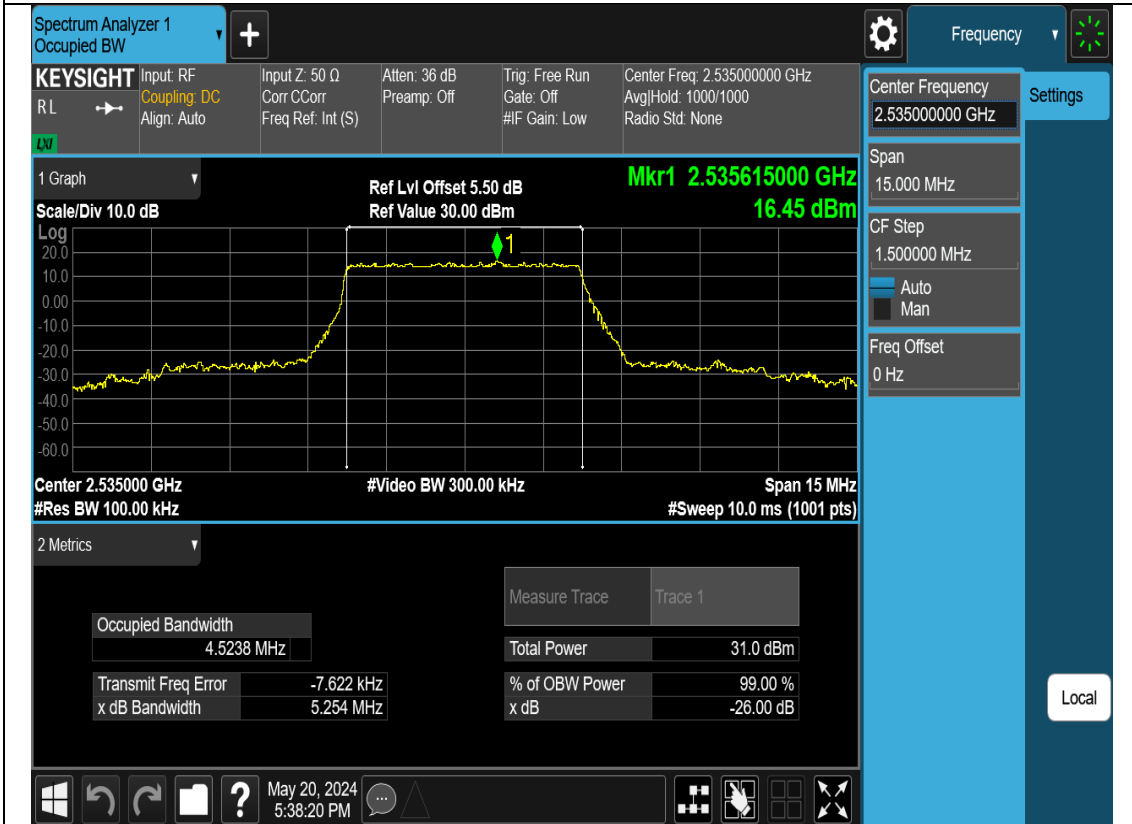
N7-5M-OBW-M-DFT-s-OFDM-QPSK



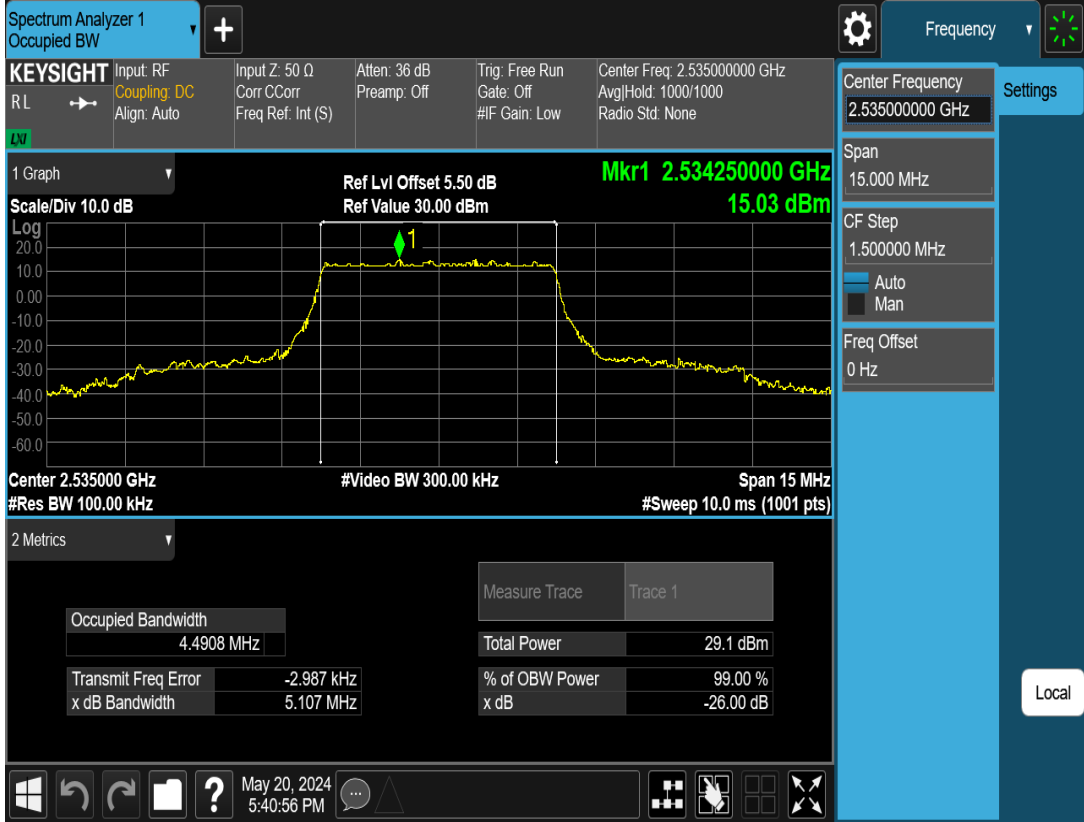
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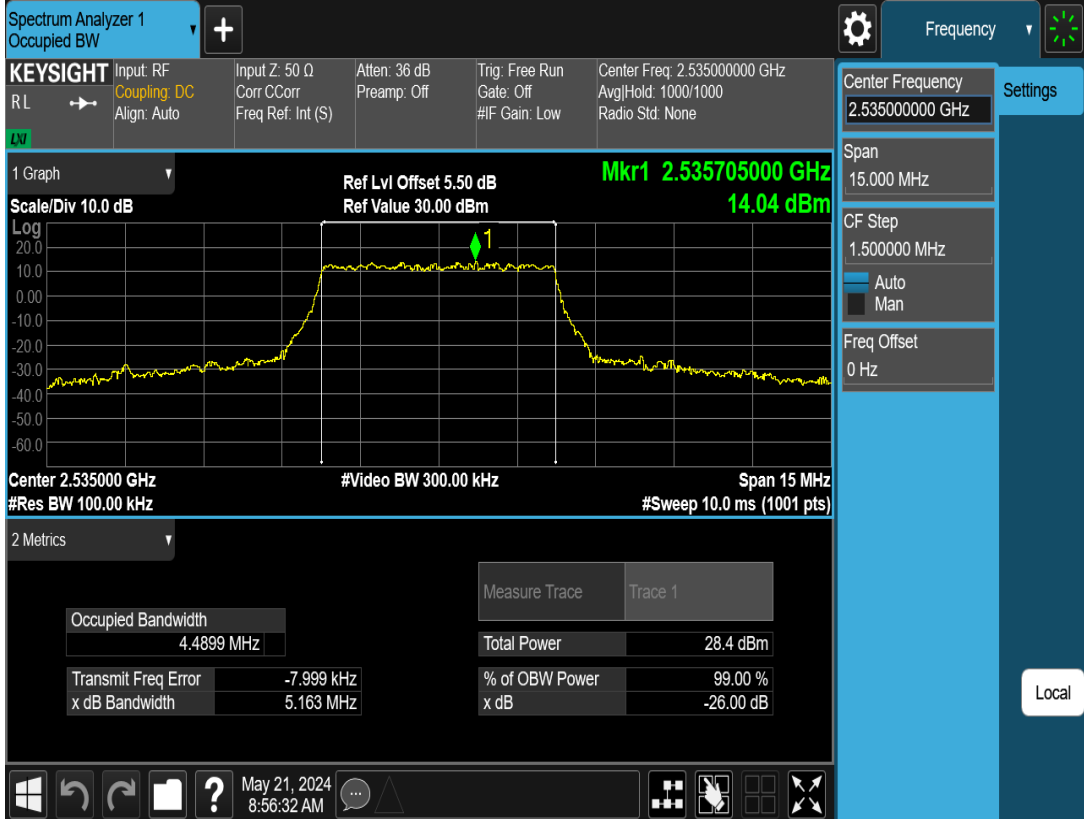
N7-5M-OBW-M-DFT-s-OFDM-64QAM



N7-5M-OBW-M-DFT-s-OFDM-256QAM



N7-5M-OBW-M-CP-OFDM-QPSK



N7-5M-OBW-M-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: 2.53500000 GHz
Avg/Hold: 1000/1000
Radio Std: None

Center Frequency: 2.53500000 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 2.535015000 GHz
14.76 dBm

Center 2.535000 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 15 MHz #Sweep 10.0 ms (1001 pts)

2 Metrics

Occupied Bandwidth	4.4950 MHz	Total Power	29.3 dBm
Transmit Freq Error	-6.352 kHz	% of OBW Power	99.00 %
x dB Bandwidth	5.125 MHz	x dB	-26.00 dB

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N7-5M-OBW-M-CP-OFDM-64QAM

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: 2.53500000 GHz
Avg/Hold: 1000/1000
Radio Std: None

Center Frequency: 2.53500000 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 2.536125000 GHz
15.31 dBm

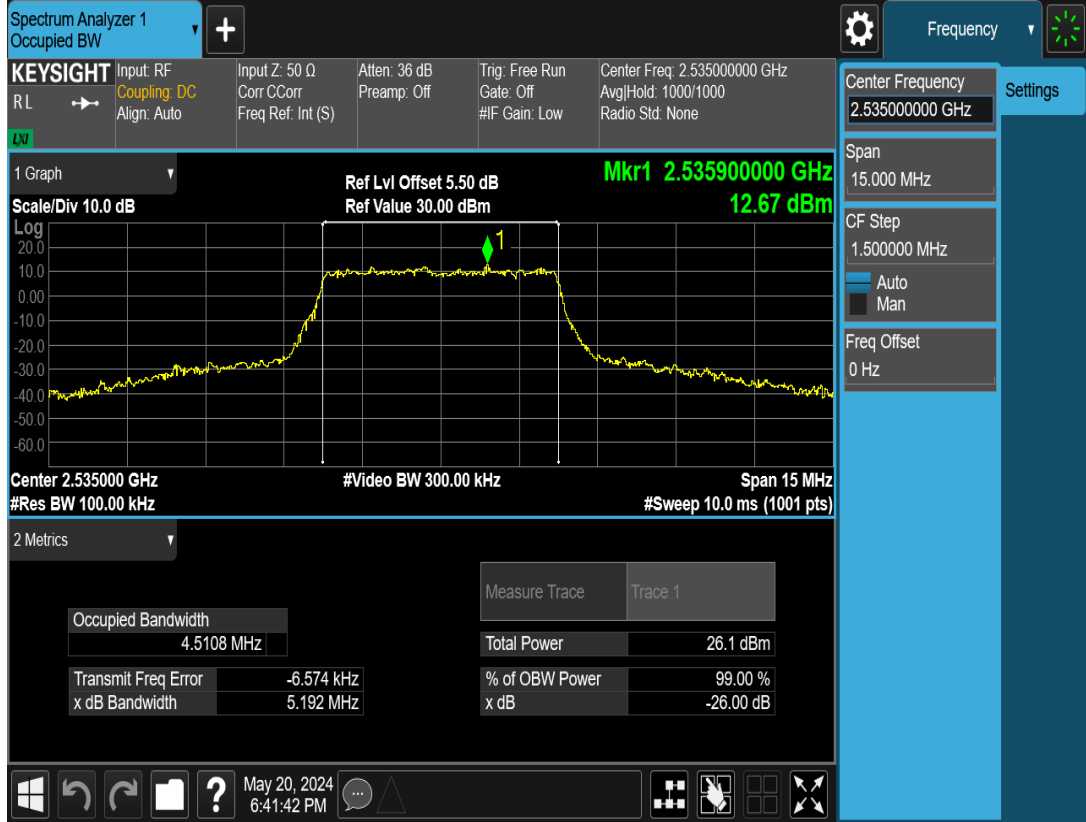
Center 2.535000 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 15 MHz #Sweep 10.0 ms (1001 pts)

2 Metrics

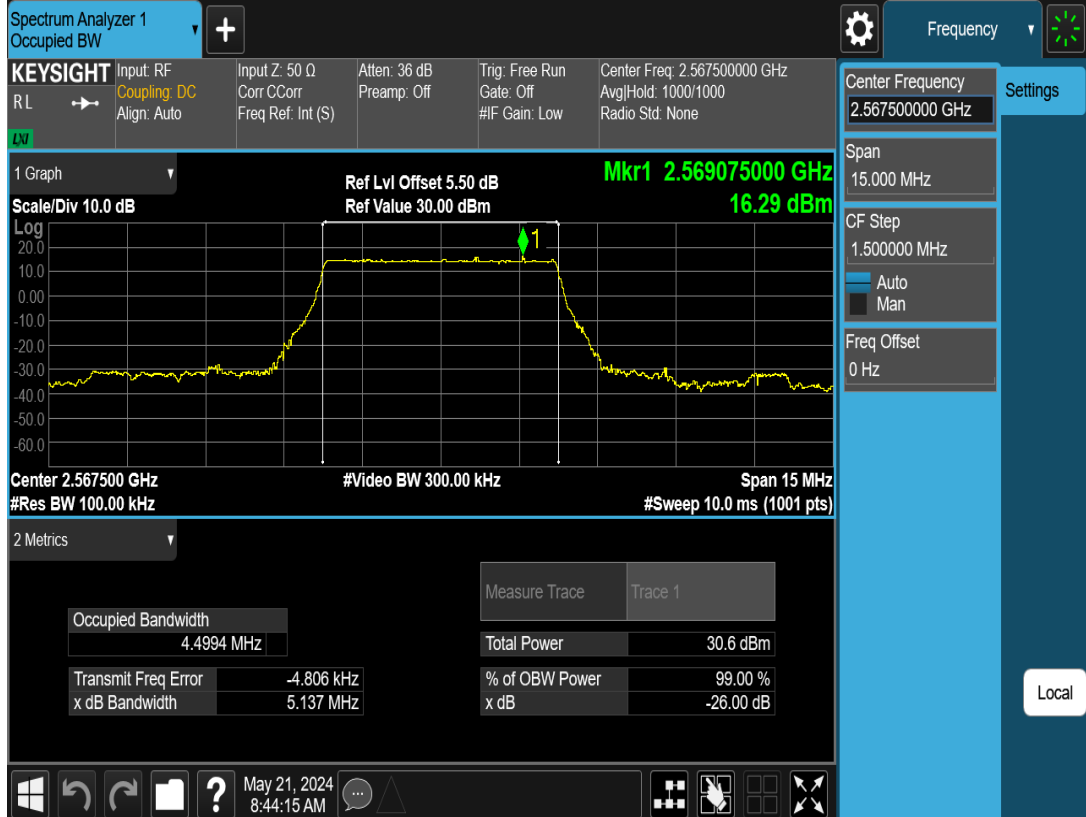
Occupied Bandwidth	4.5119 MHz	Total Power	29.0 dBm
Transmit Freq Error	-7.684 kHz	% of OBW Power	99.00 %
x dB Bandwidth	5.178 MHz	x dB	-26.00 dB

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N7-5M-OBW-M-CP-OFDM-256QAM



N7-5M-OBW-H-DFT-s-OFDM-Pi2 BPSK



N7-5M-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: 2.567500000 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

Center Frequency: 2.567500000 GHz
 Span: 15.000 MHz
 CF Step: 1.500000 MHz
 Freq Offset: 0 Hz

1 Graph
 Scale/Div 10.0 dB
 Ref Lvl Offset 5.50 dB
 Ref Value 30.00 dBm
 Mkr1 2.568175000 GHz
 17.43 dBm

Center 2.567500 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	4.5040 MHz	Total Power	32.1 dBm
Transmit Freq Error	-11.484 kHz	% of OBW Power	99.00 %
x dB Bandwidth	5.203 MHz	x dB	-26.00 dB

May 20, 2024 5:18:50 PM

N7-5M-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: 2.567500000 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

Center Frequency: 2.567500000 GHz
 Span: 15.000 MHz
 CF Step: 1.500000 MHz
 Freq Offset: 0 Hz

1 Graph
 Scale/Div 10.0 dB
 Ref Lvl Offset 5.50 dB
 Ref Value 30.00 dBm
 Mkr1 2.568145000 GHz
 17.21 dBm

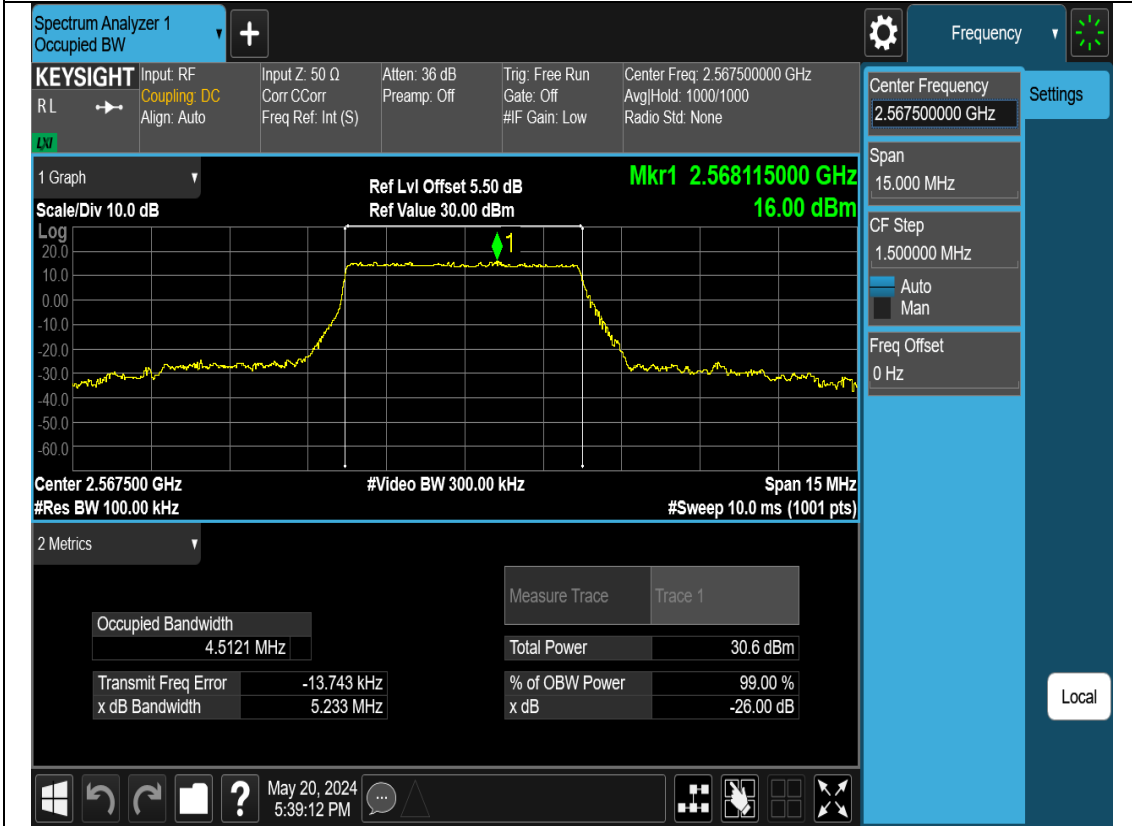
Center 2.567500 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 15 MHz #Sweep 10.0 ms (1001 pts)

2 Metrics

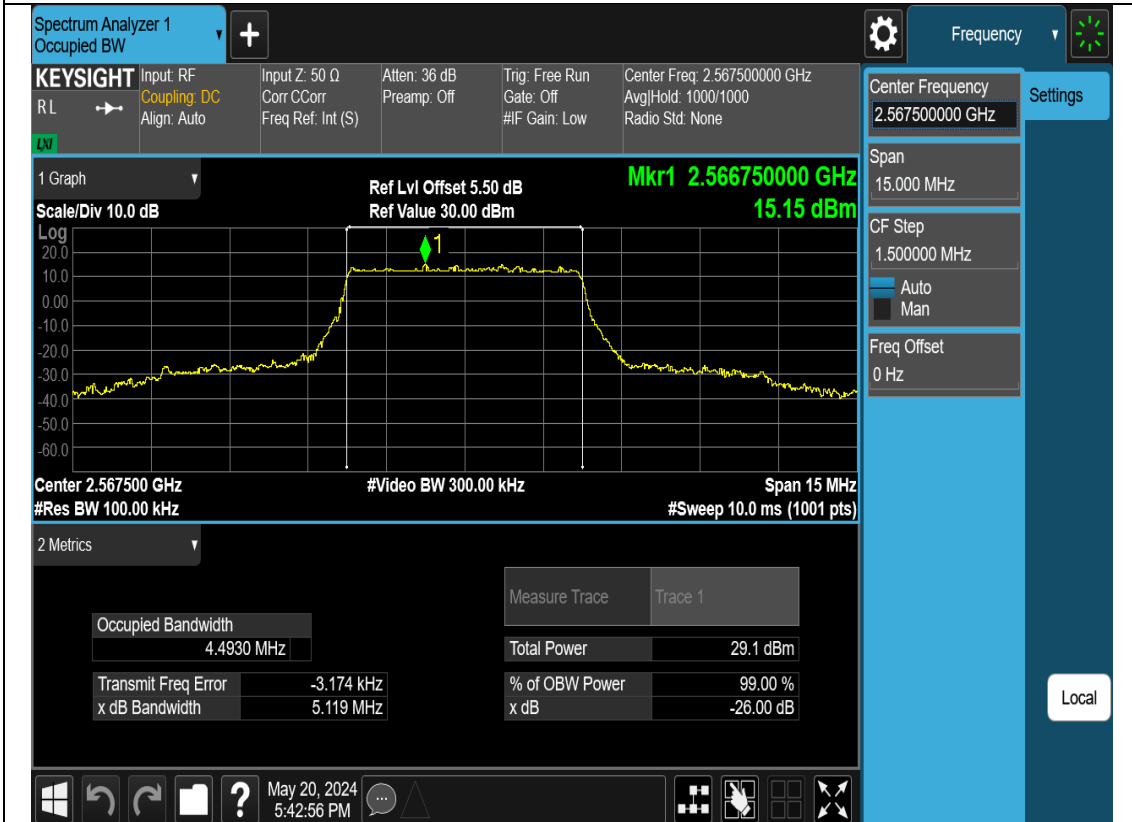
Measure Trace		Trace 1	
Occupied Bandwidth	4.5145 MHz	Total Power	31.4 dBm
Transmit Freq Error	-1.591 kHz	% of OBW Power	99.00 %
x dB Bandwidth	5.167 MHz	x dB	-26.00 dB

May 20, 2024 5:21:20 PM

N7-5M-OBW-H-DFT-s-OFDM-64QAM



N7-5M-OBW-H-DFT-s-OFDM-256QAM



N7-5M-OBW-H-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: 2.56750000 GHz
Avg/Hold: 1000/1000
Radio Std: None

Center Frequency: 2.56750000 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 2.565670000 GHz
13.77 dBm

Center 2.567500 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	4.4942 MHz	Total Power	28.4 dBm
Transmit Freq Error	-9.162 kHz	% of OBW Power	99.00 %
x dB Bandwidth	5.160 MHz	x dB	-26.00 dB

May 21, 2024 8:58:39 AM

N7-5M-OBW-H-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: 2.56750000 GHz
Avg/Hold: 1000/1000
Radio Std: None

Center Frequency: 2.56750000 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 2.568385000 GHz
14.67 dBm

Center 2.567500 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	4.5031 MHz	Total Power	29.3 dBm
Transmit Freq Error	-9.800 kHz	% of OBW Power	99.00 %
x dB Bandwidth	5.173 MHz	x dB	-26.00 dB

May 20, 2024 6:37:18 PM

N7-5M-OBW-H-CP-OFDM-64QAM

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: 2.567500000 GHz
Avg/Hold: 1000/1000
Radio Std: None

Center Frequency: 2.567500000 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 2.568610000 GHz
15.16 dBm

Center 2.567500 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	4.5040 MHz	Total Power	29.0 dBm
Transmit Freq Error	-5.623 kHz	% of OBW Power	99.00 %
x dB Bandwidth	5.109 MHz	x dB	-26.00 dB

May 20, 2024 6:39:53 PM

N7-5M-OBW-H-CP-OFDM-256QAM

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: 2.567500000 GHz
Avg/Hold: 1000/1000
Radio Std: None

Center Frequency: 2.567500000 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 2.567200000 GHz
12.17 dBm

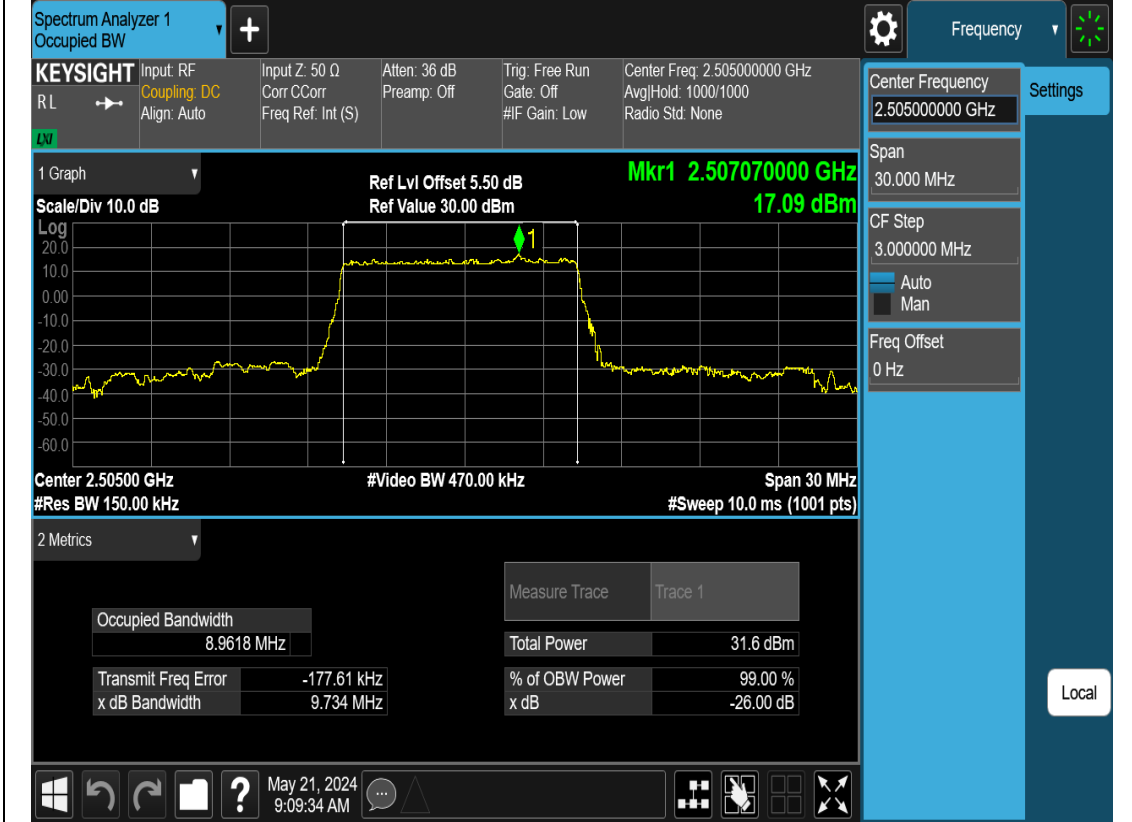
Center 2.567500 GHz
#Res BW 100.00 kHz
#Video BW 300.00 kHz
Span 15 MHz
#Sweep 10.0 ms (1001 pts)

2 Metrics

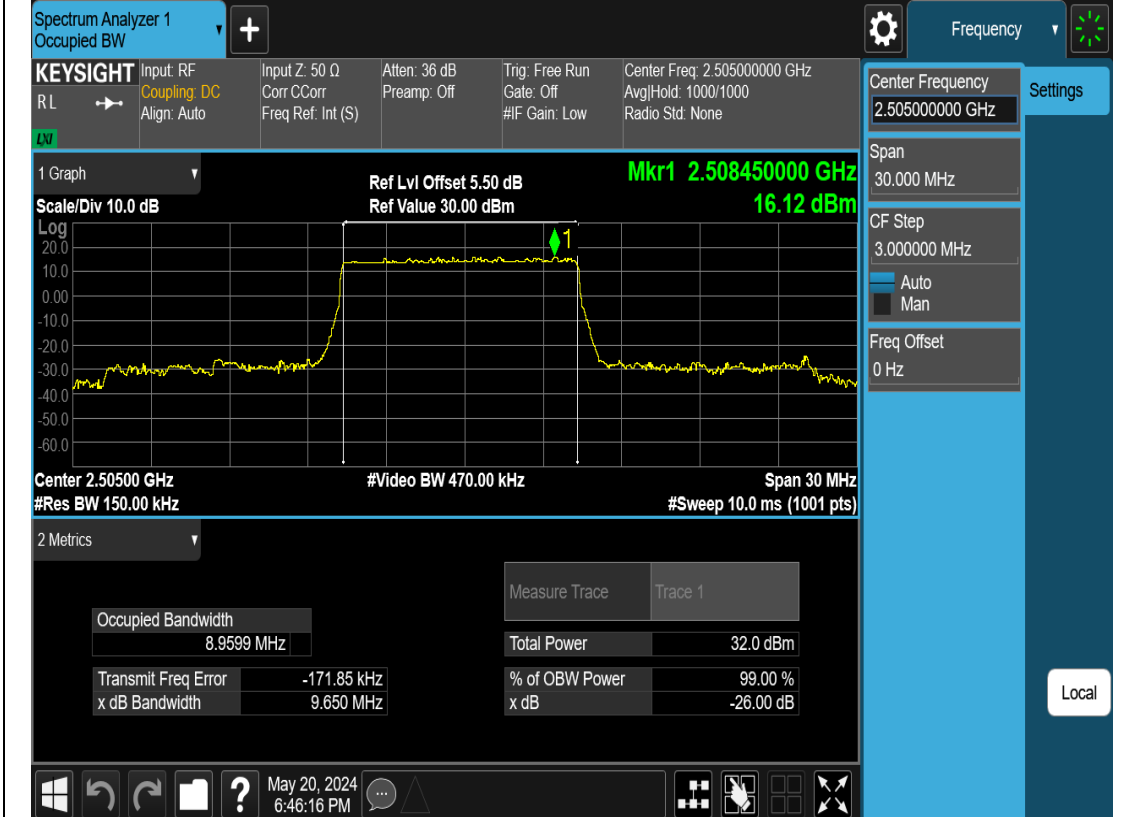
Measure Trace		Trace 1	
Occupied Bandwidth	4.5274 MHz	Total Power	26.0 dBm
Transmit Freq Error	-8.005 kHz	% of OBW Power	99.00 %
x dB Bandwidth	5.228 MHz	x dB	-26.00 dB

May 20, 2024 6:42:41 PM

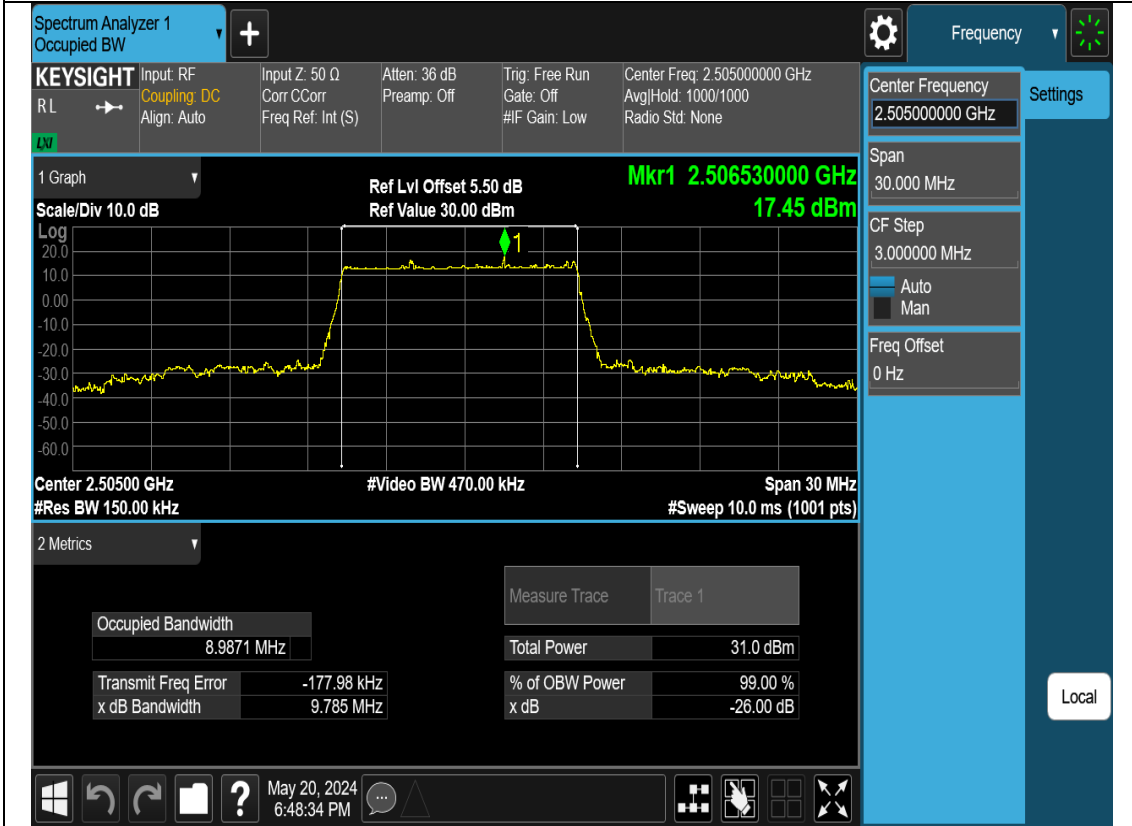
N7-10M-OBW-L-DFT-s-OFDM-Pi2 BPSK



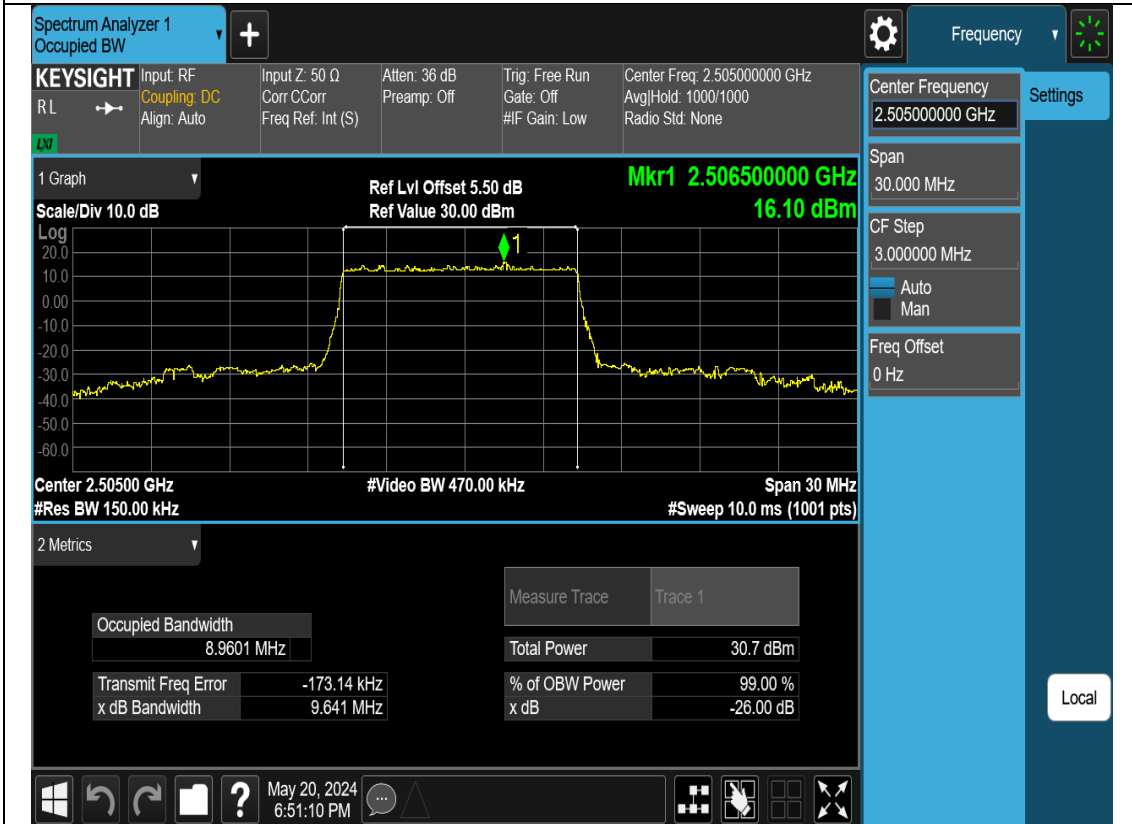
N7-10M-OBW-L-DFT-s-OFDM-QPSK



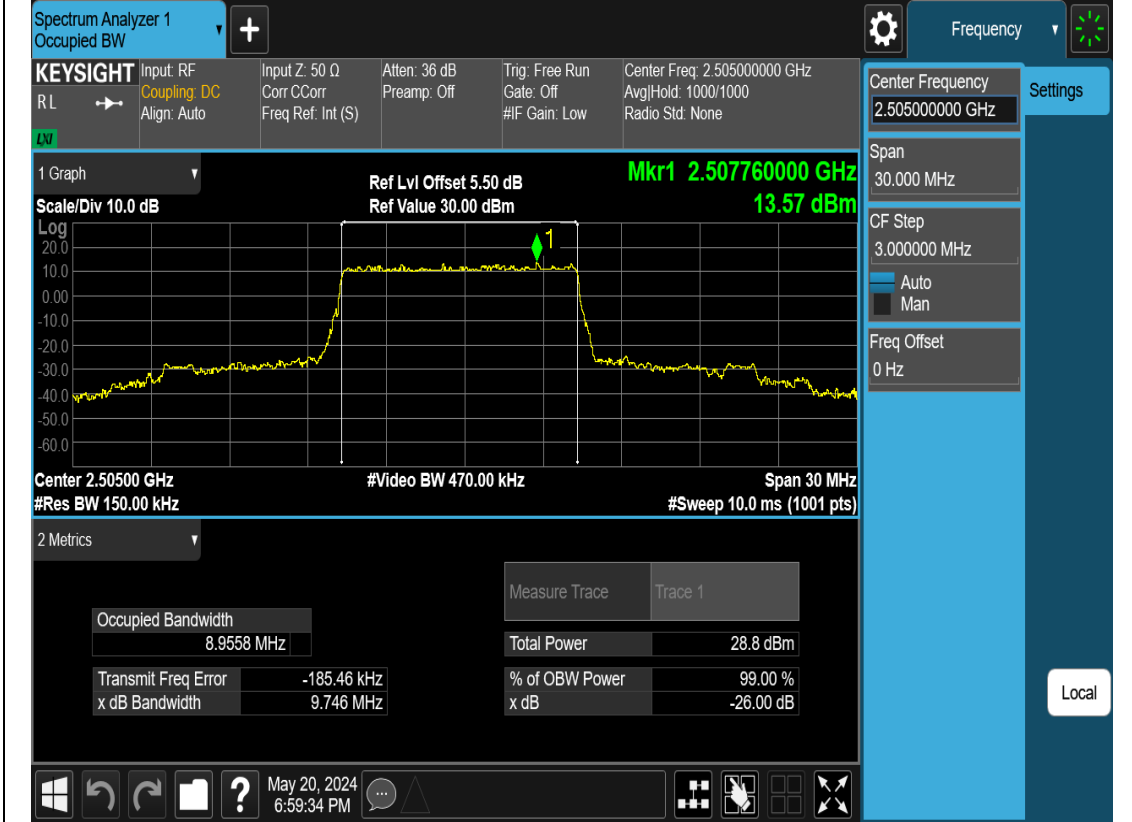
N7-10M-OBW-L-DFT-s-OFDM-16QAM



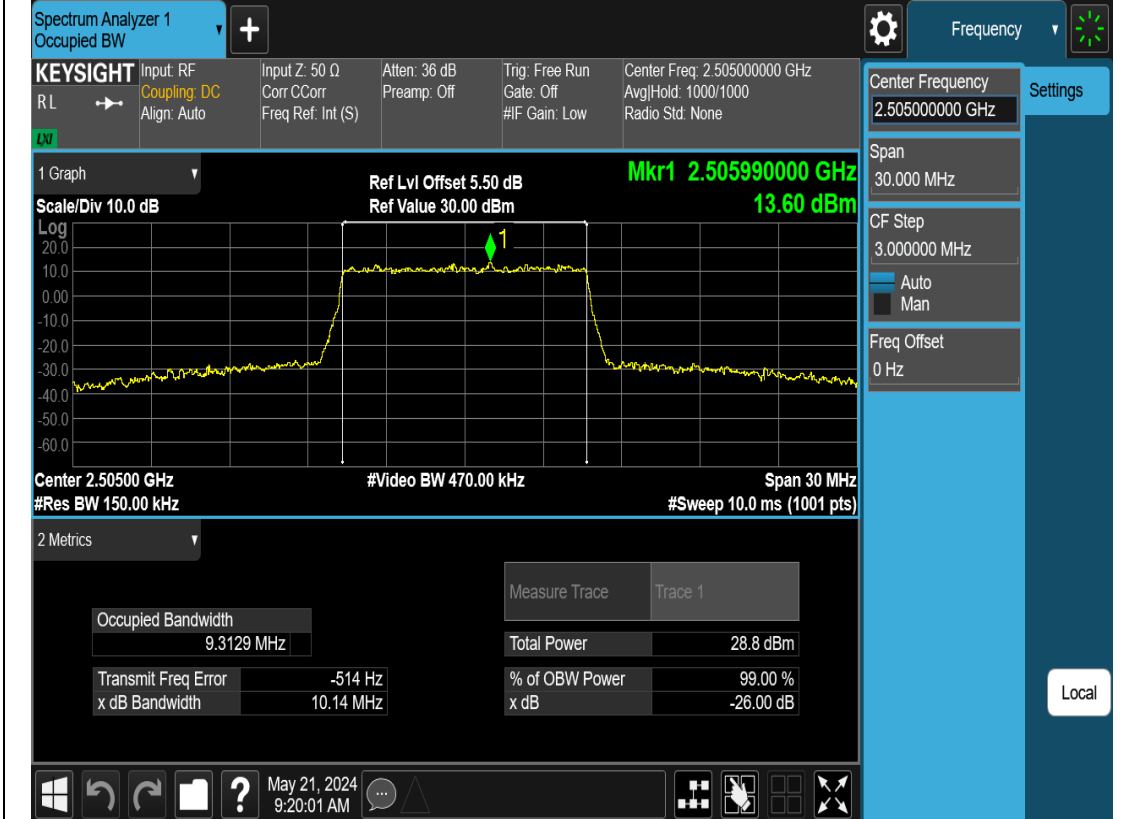
N7-10M-OBW-L-DFT-s-OFDM-64QAM



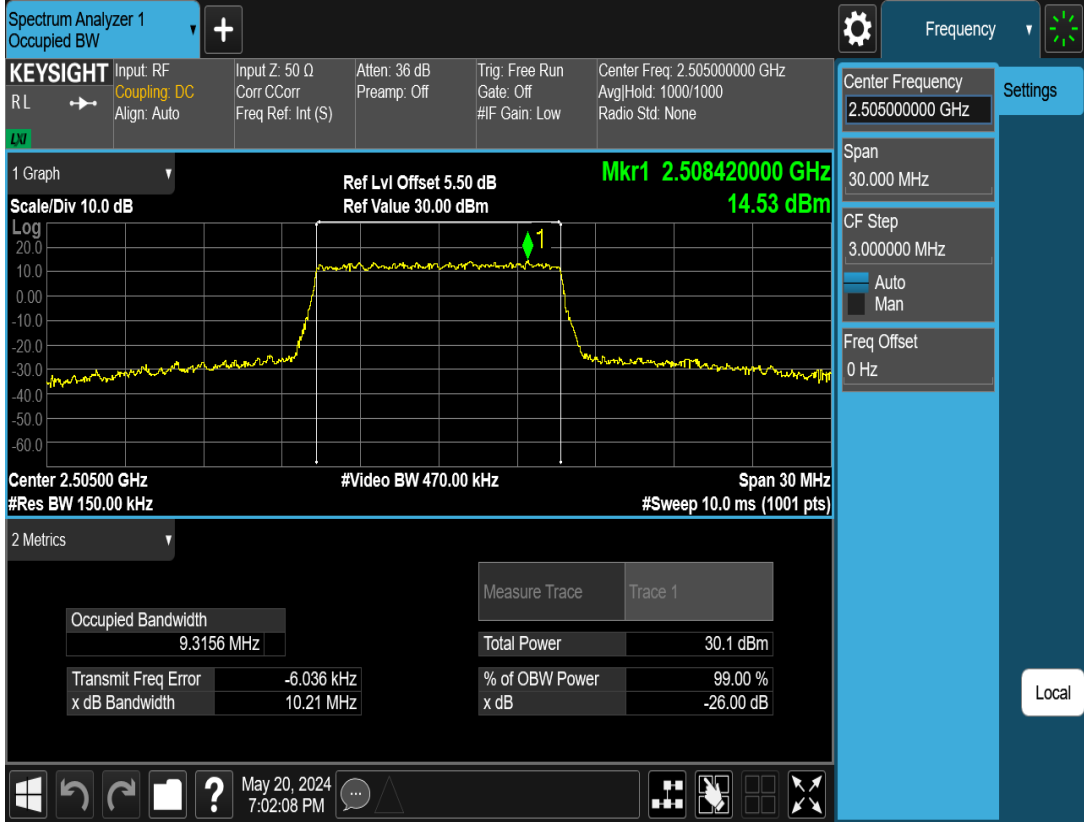
N7-10M-OBW-L-DFT-s-OFDM-256QAM



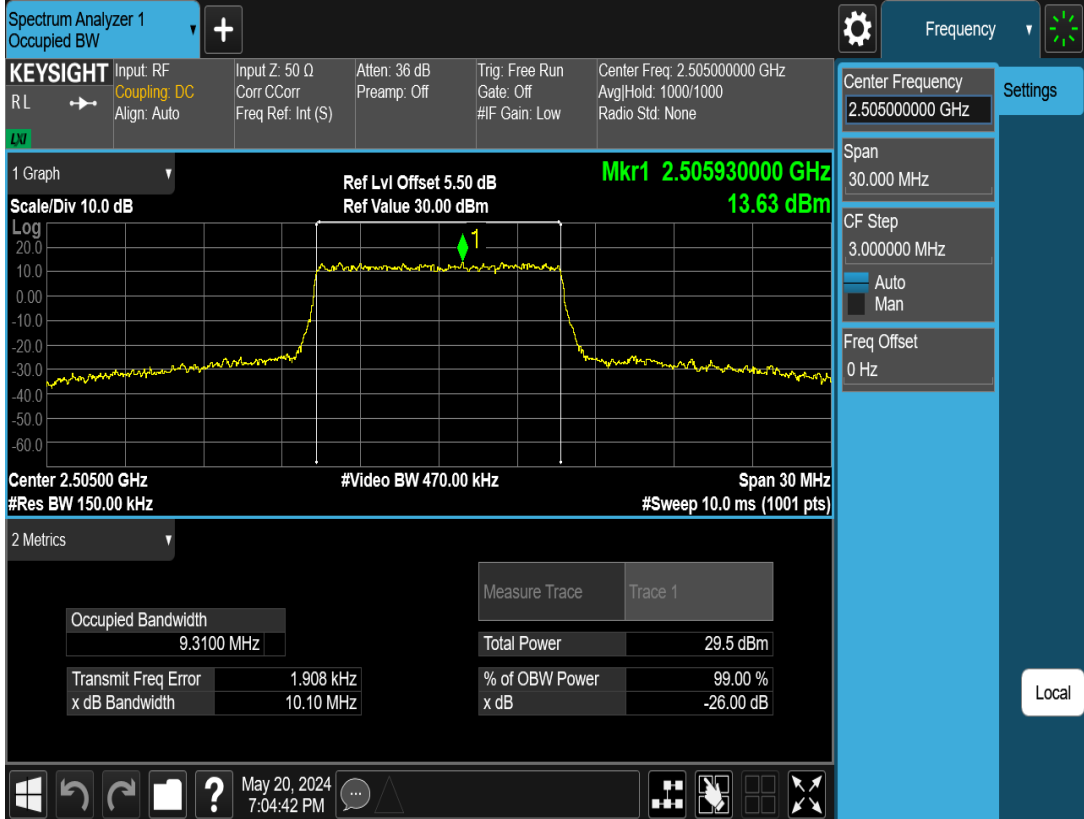
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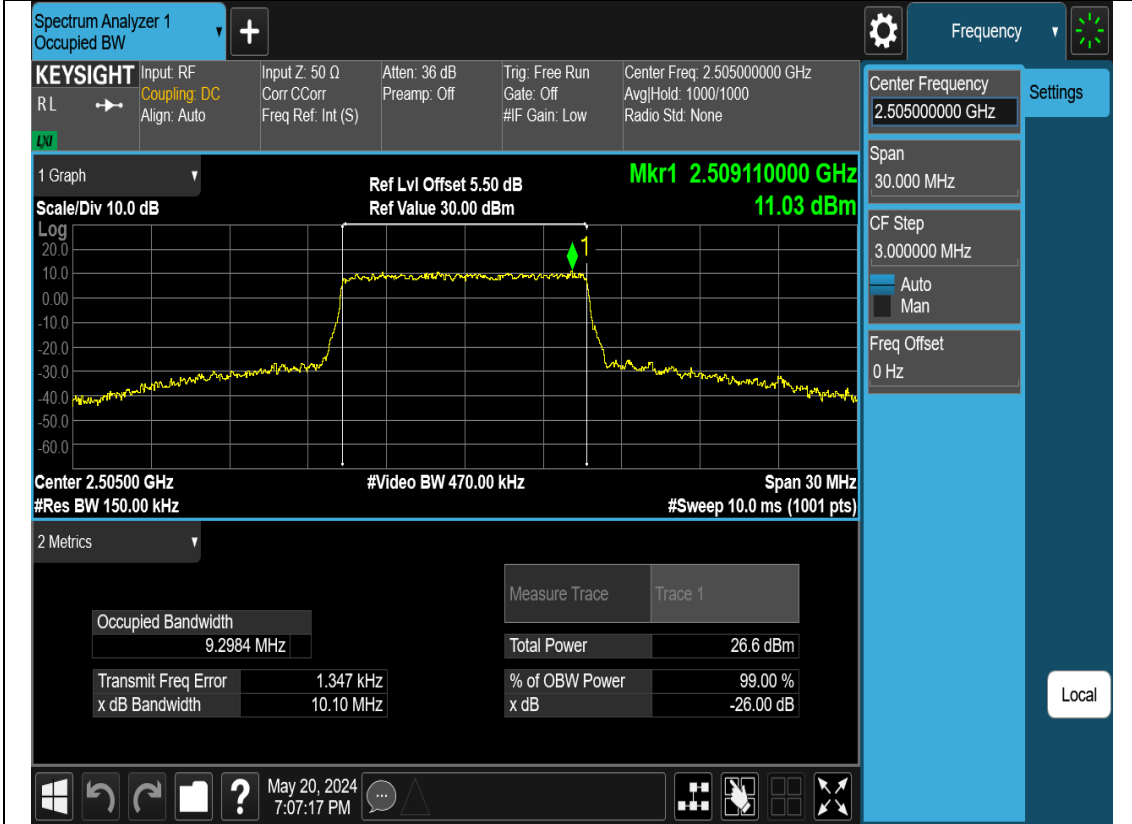
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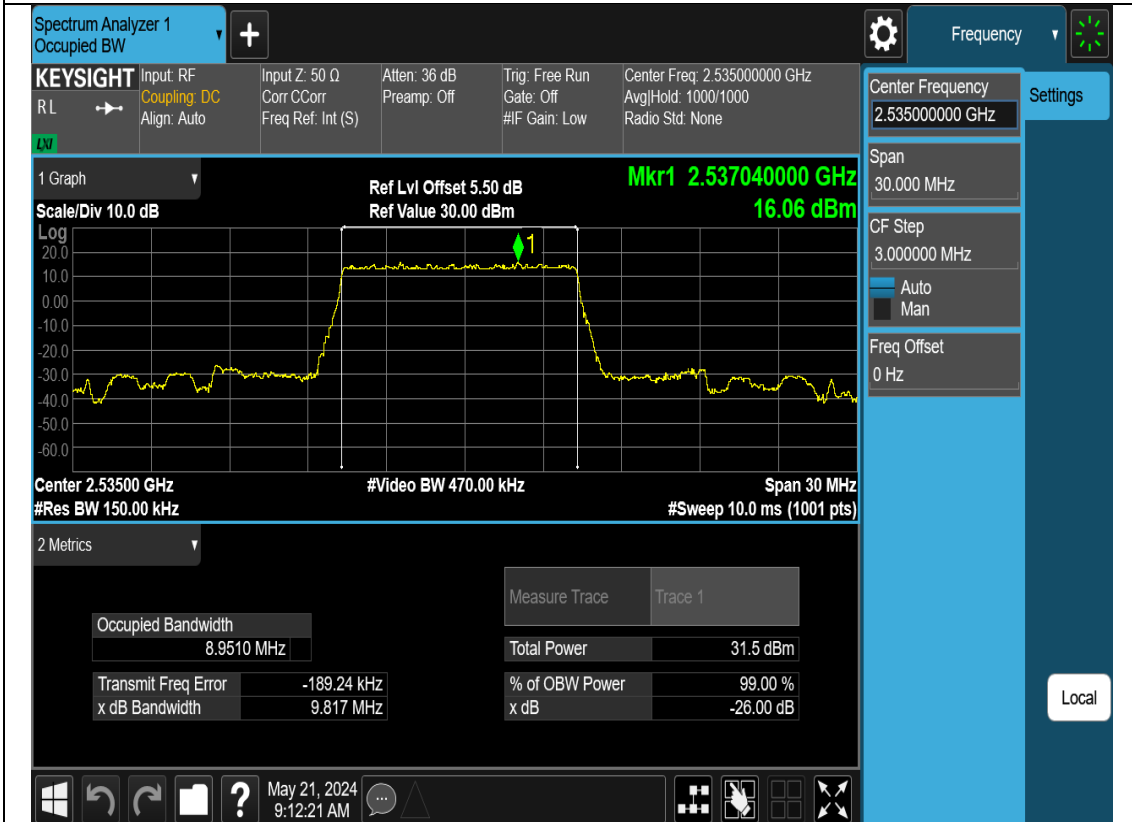
N7-10M-OBW-L-CP-OFDM-64QAM



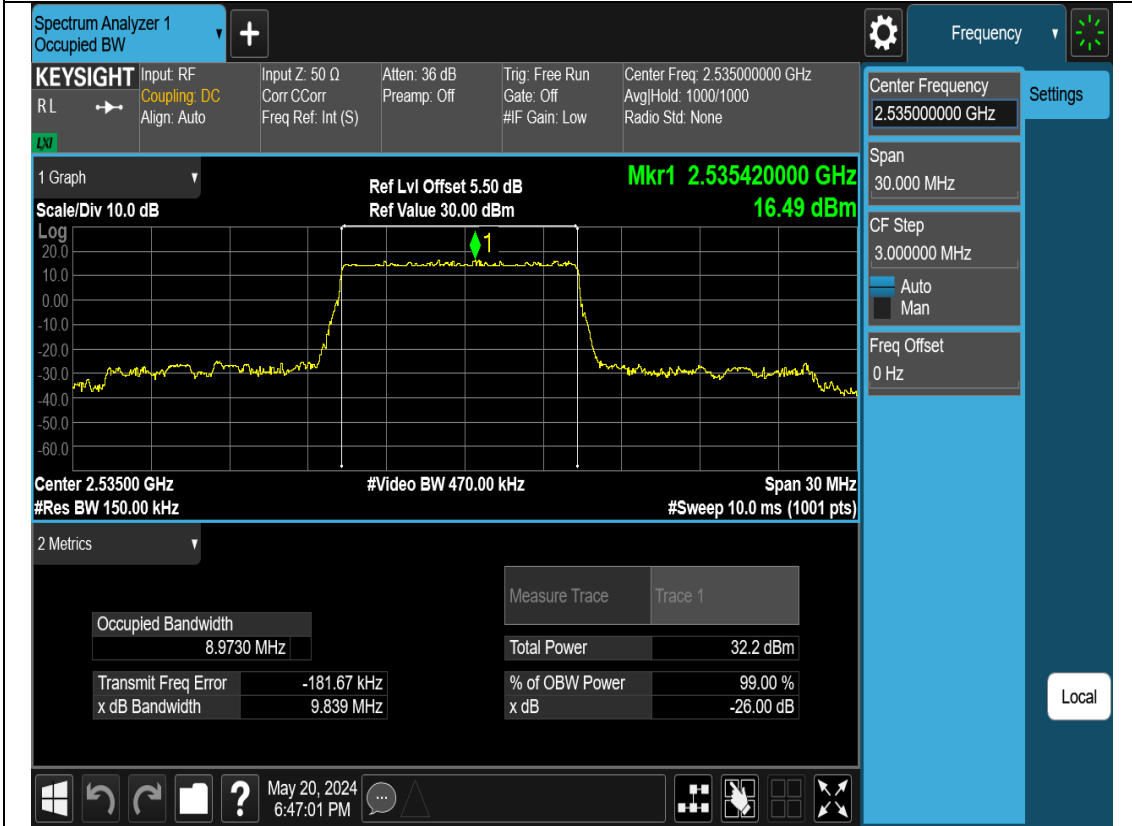
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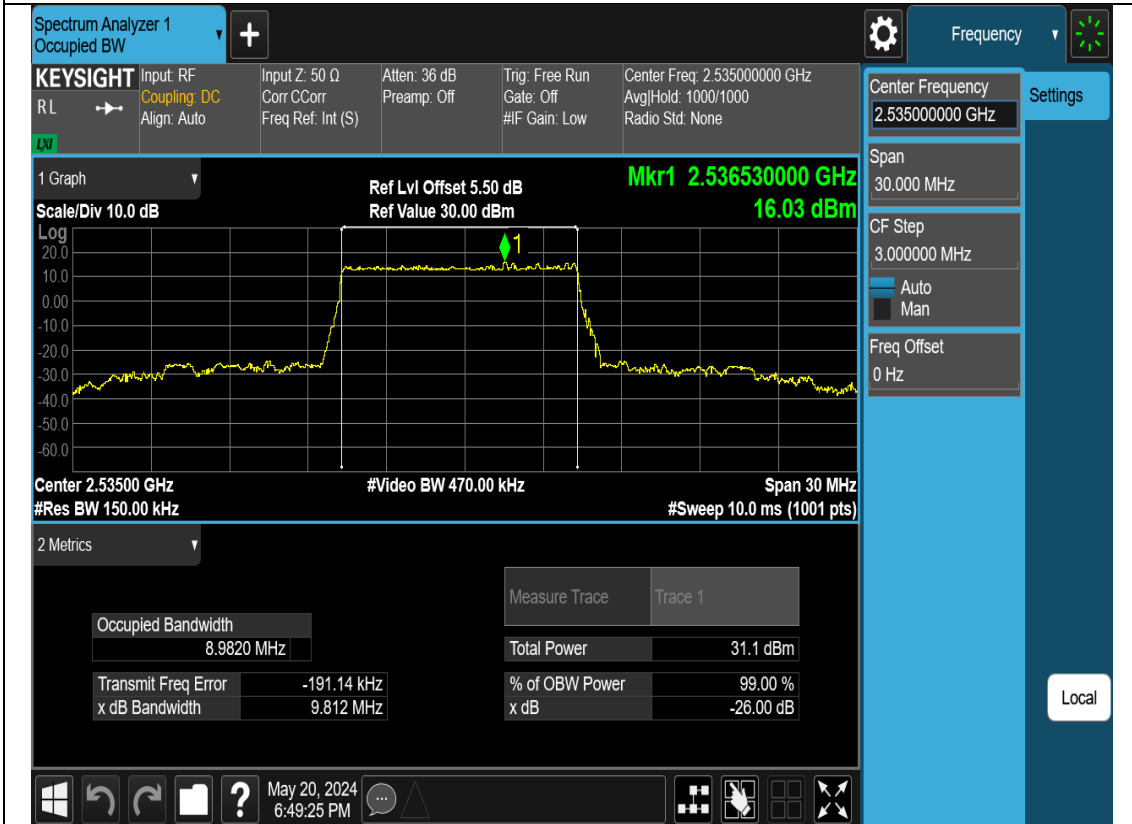
N7-10M-OBW-M-DFT-s-OFDM-Pi2 BPSK



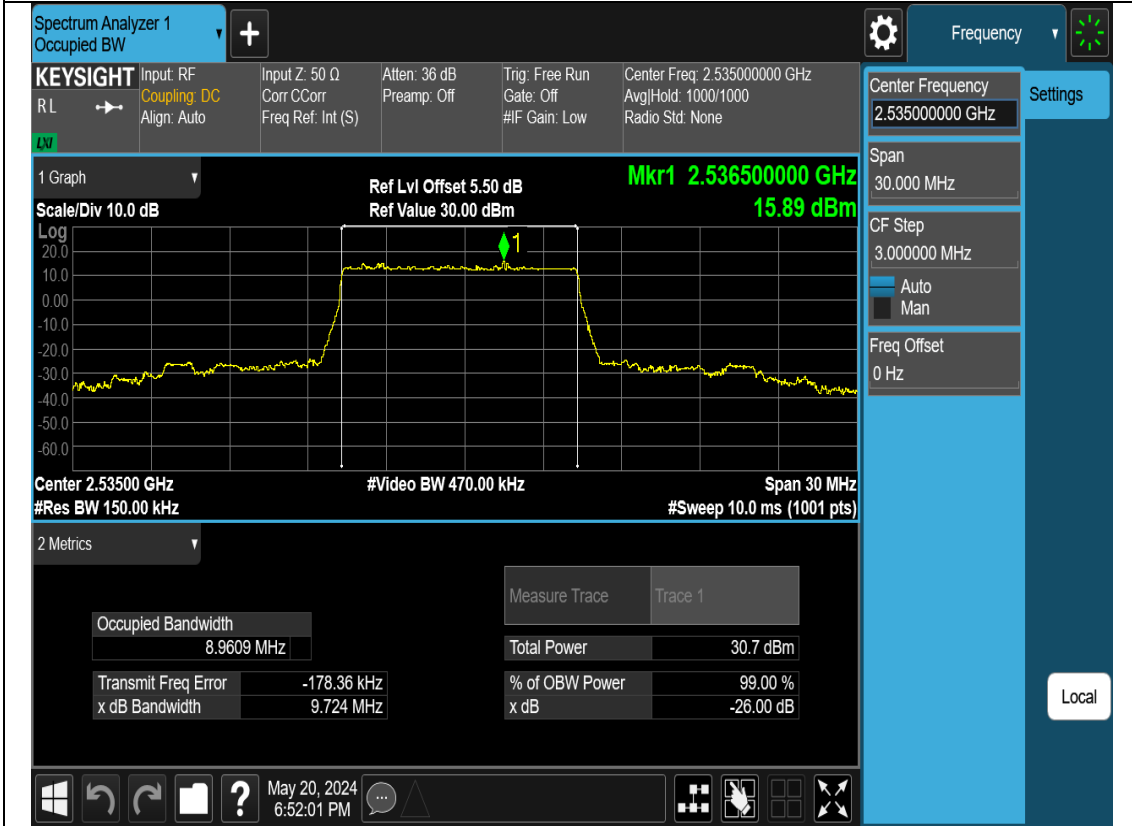
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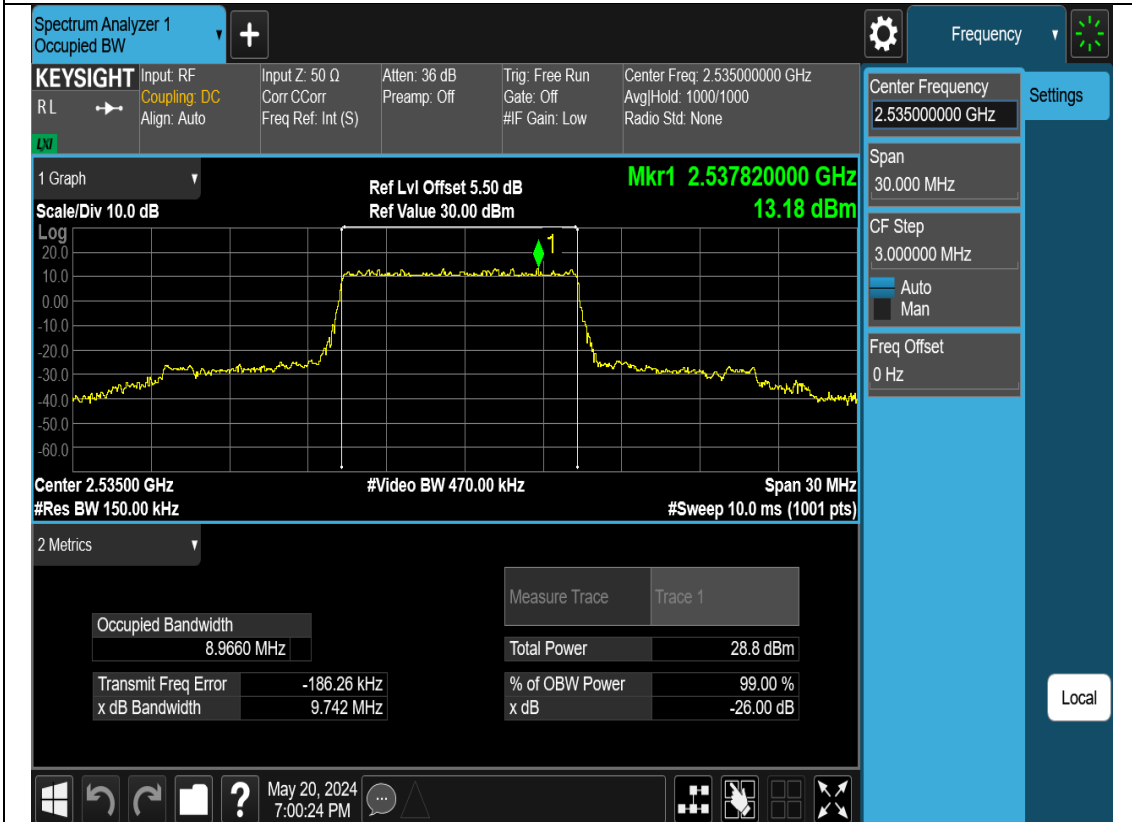
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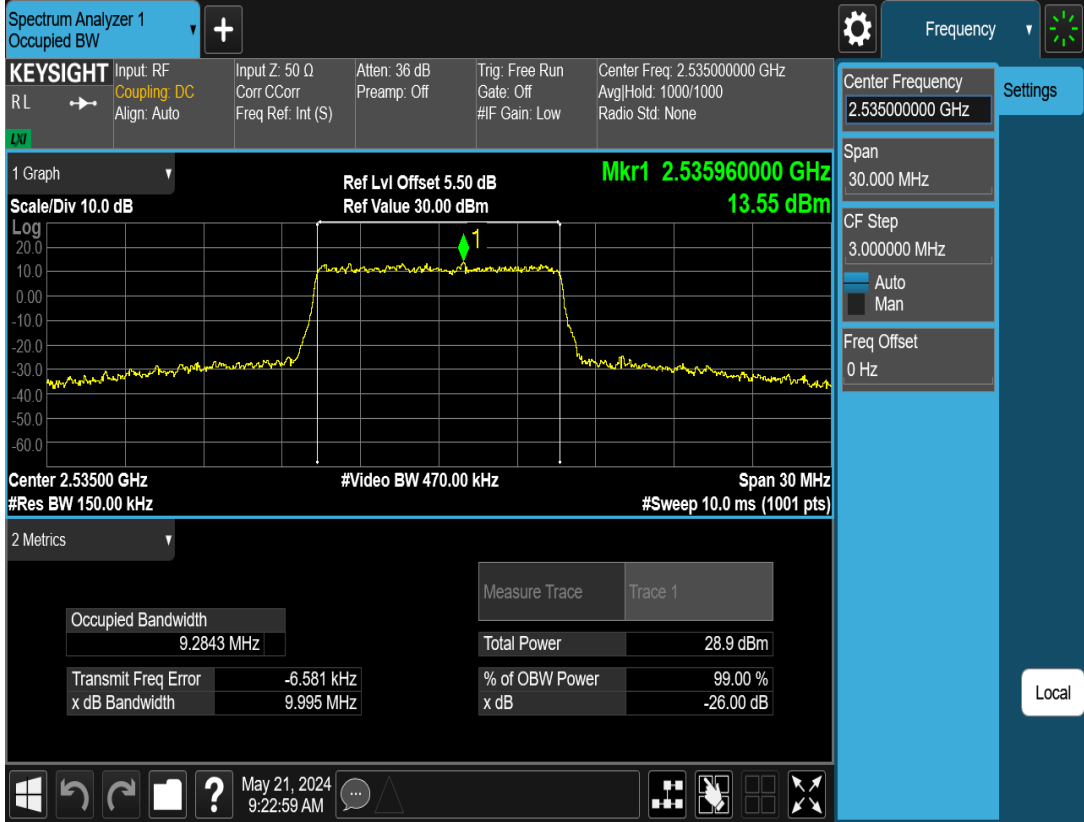
N7-10M-OBW-M-DFT-s-OFDM-64QAM



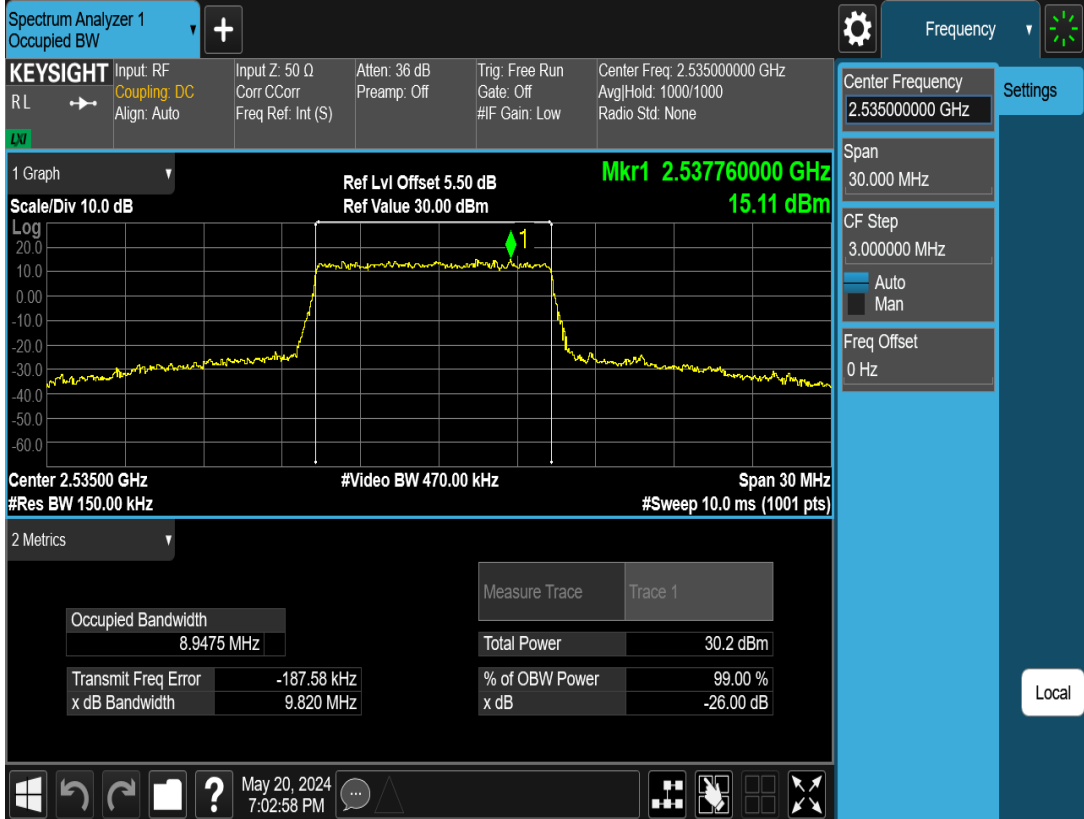
N7-10M-OBW-M-DFT-s-OFDM-256QAM



N7-10M-OBW-M-CP-OFDM-QPSK



N7-10M-OBW-M-CP-OFDM-16QAM



N7-10M-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: 2.535000000 GHz
 RL Coupling: DC Corr: CCorr 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 2.538360000 GHz
 Ref Value 30.00 dBm 14.60 dBm

Center 2.53500 GHz #Video BW 470.00 kHz Span 30 MHz
 #Res BW 150.00 kHz #Sweep 10.0 ms (1001 pts)

2 Metrics

Measure Trace		Trace 1	
Occupied Bandwidth	8.9593 MHz	Total Power	29.6 dBm
Transmit Freq Error	-177.46 kHz	% of OBW Power	99.00 %
x dB Bandwidth	9.716 MHz	x dB	-26.00 dB

Windows taskbar: May 20, 2024 7:05:33 PM

N7-10M-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: 2.535000000 GHz
 RL Coupling: DC Corr: CCorr 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 2.539470000 GHz
 Ref Value 30.00 dBm 11.02 dBm

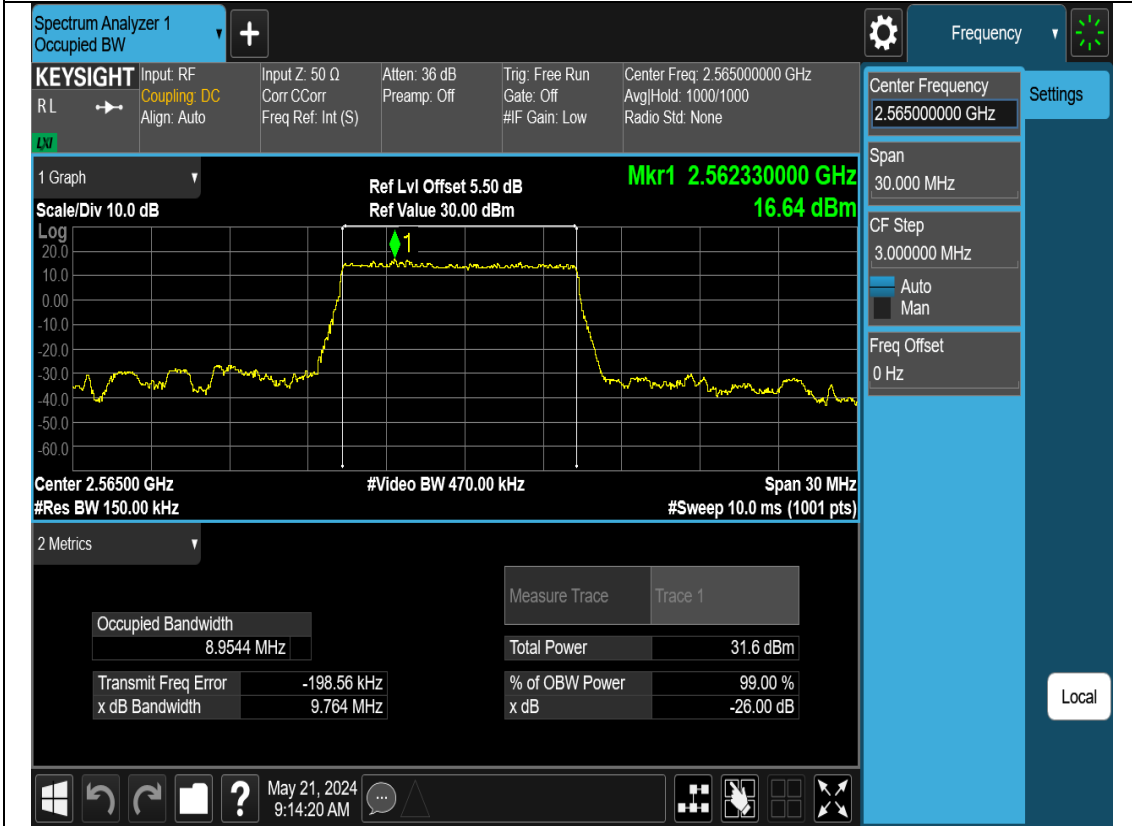
Center 2.53500 GHz #Video BW 470.00 kHz Span 30 MHz
 #Res BW 150.00 kHz #Sweep 10.0 ms (1001 pts)

2 Metrics

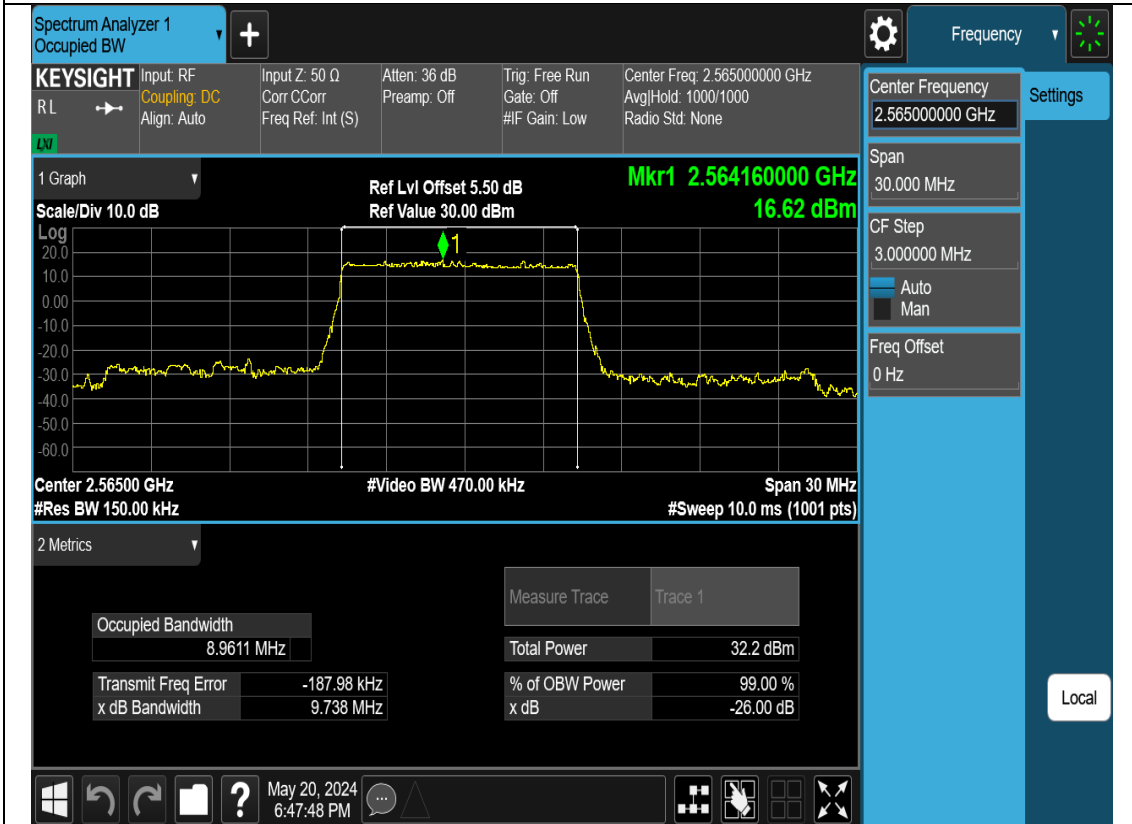
Measure Trace		Trace 1	
Occupied Bandwidth	9.3337 MHz	Total Power	26.6 dBm
Transmit Freq Error	-3.152 kHz	% of OBW Power	99.00 %
x dB Bandwidth	10.22 MHz	x dB	-26.00 dB

Windows taskbar: May 20, 2024 7:14:03 PM

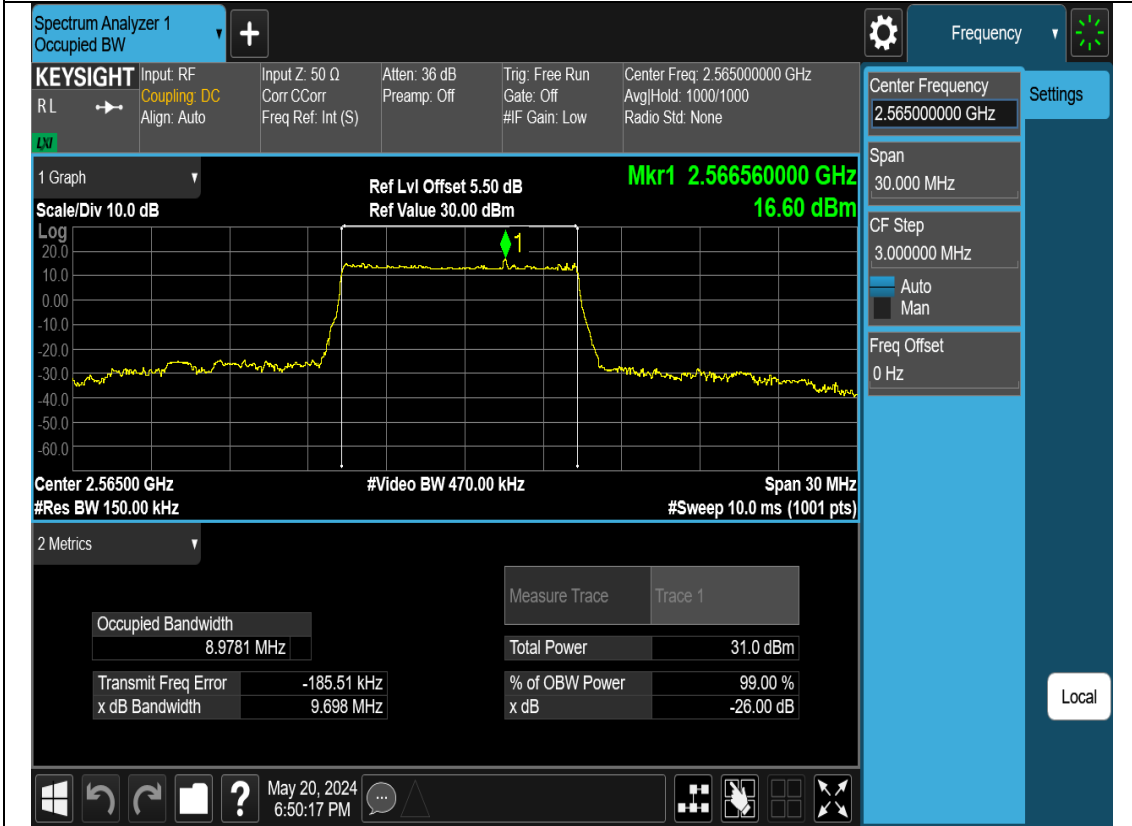
N7-10M-OBW-H-DFT-s-OFDM-Pi2 BPSK



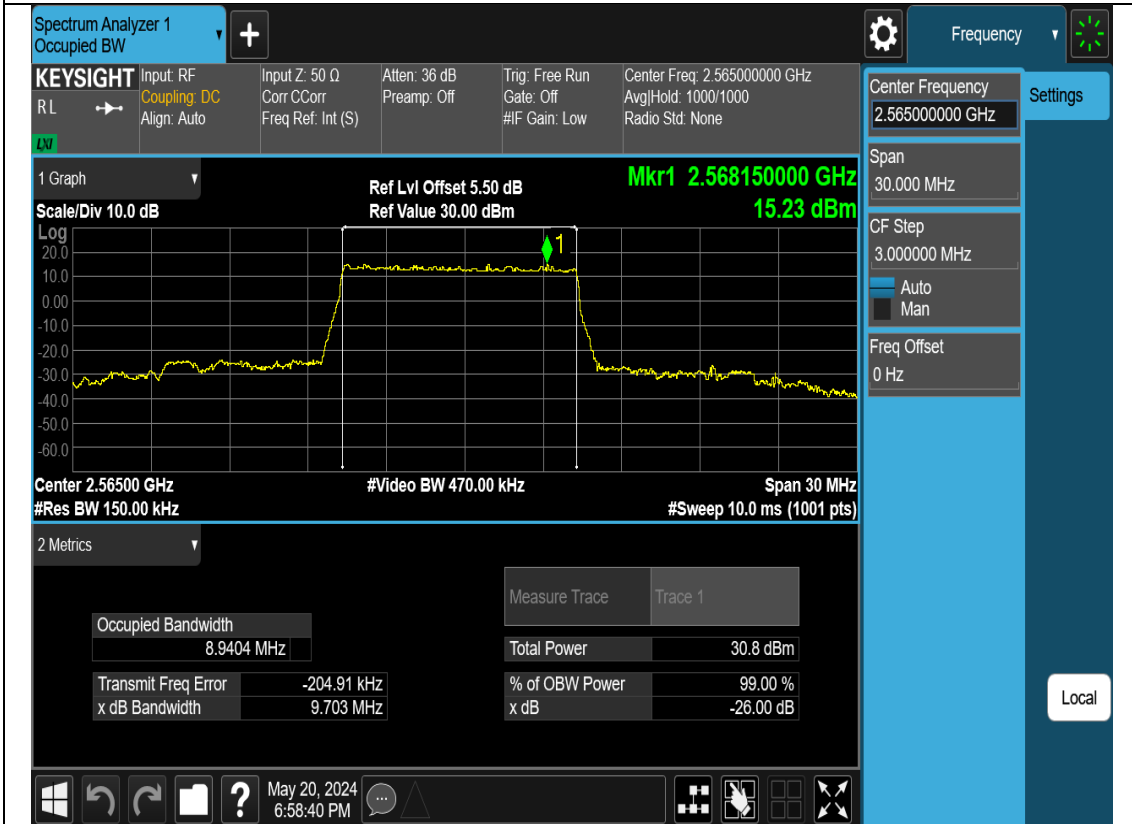
N7-10M-OBW-H-DFT-s-OFDM-QPSK



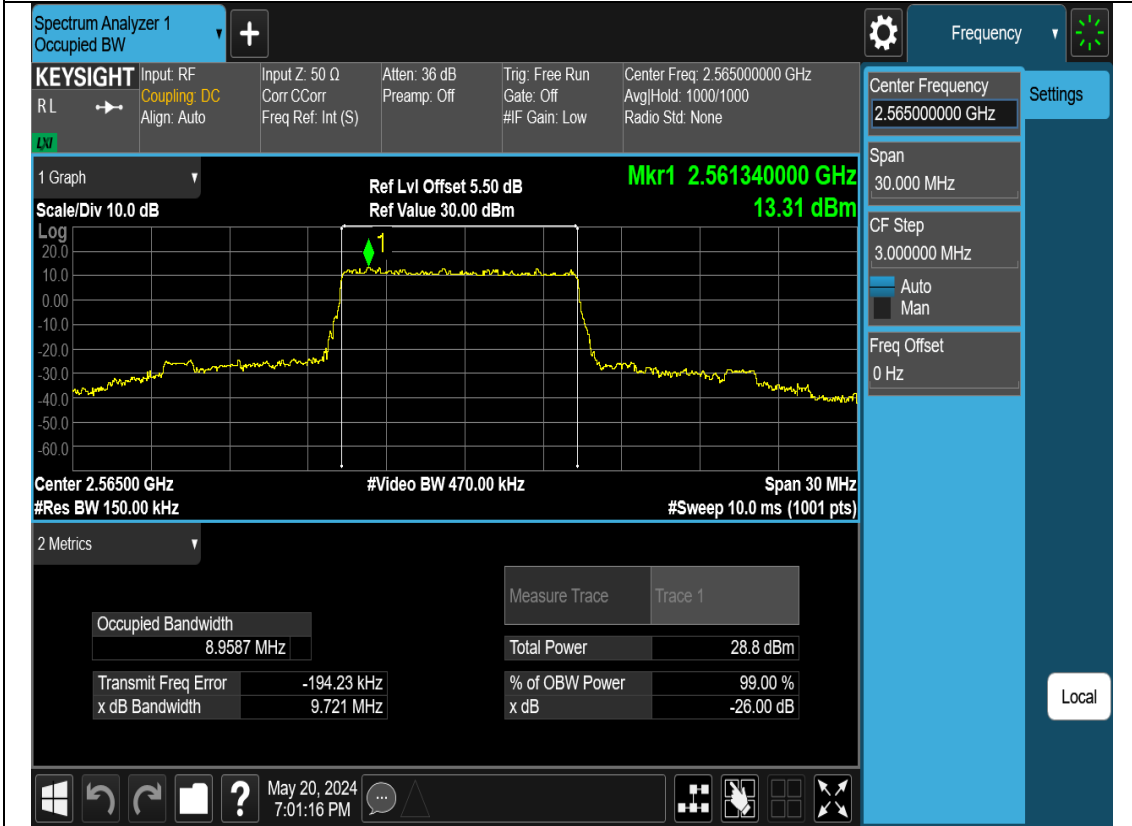
N7-10M-OBW-H-DFT-s-OFDM-16QAM



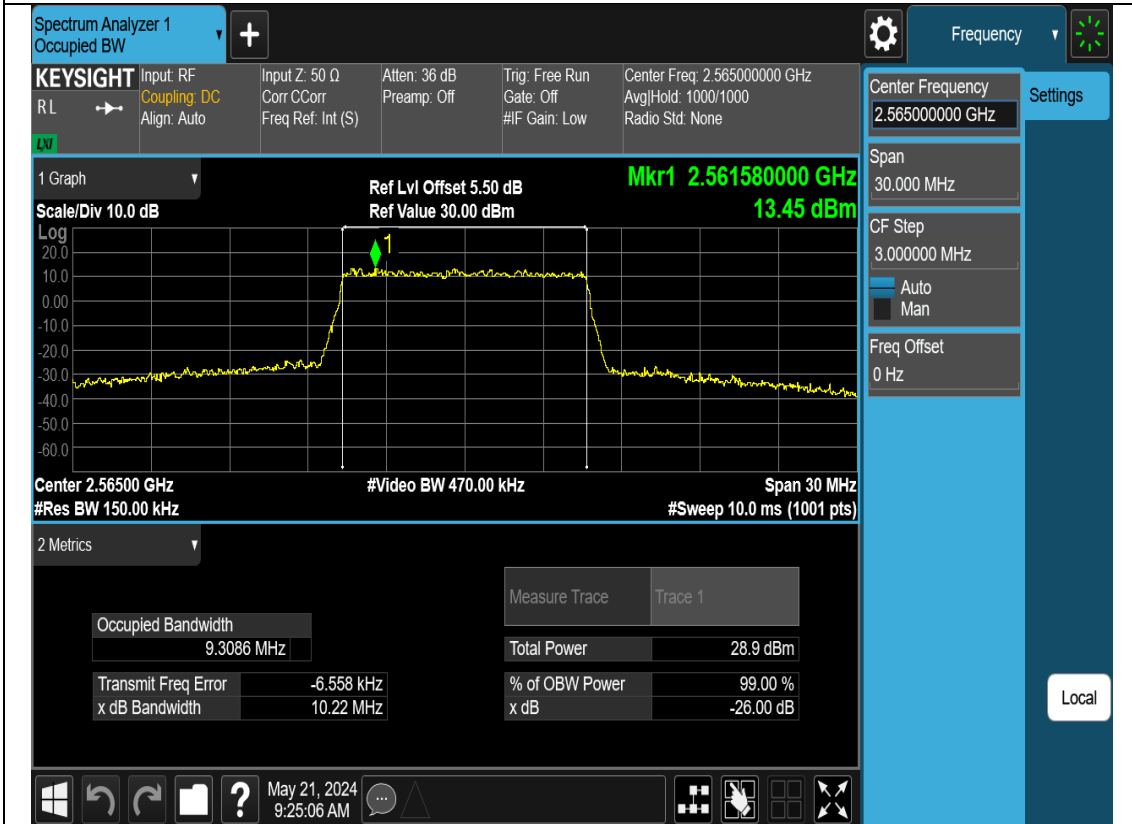
N7-10M-OBW-H-DFT-s-OFDM-64QAM



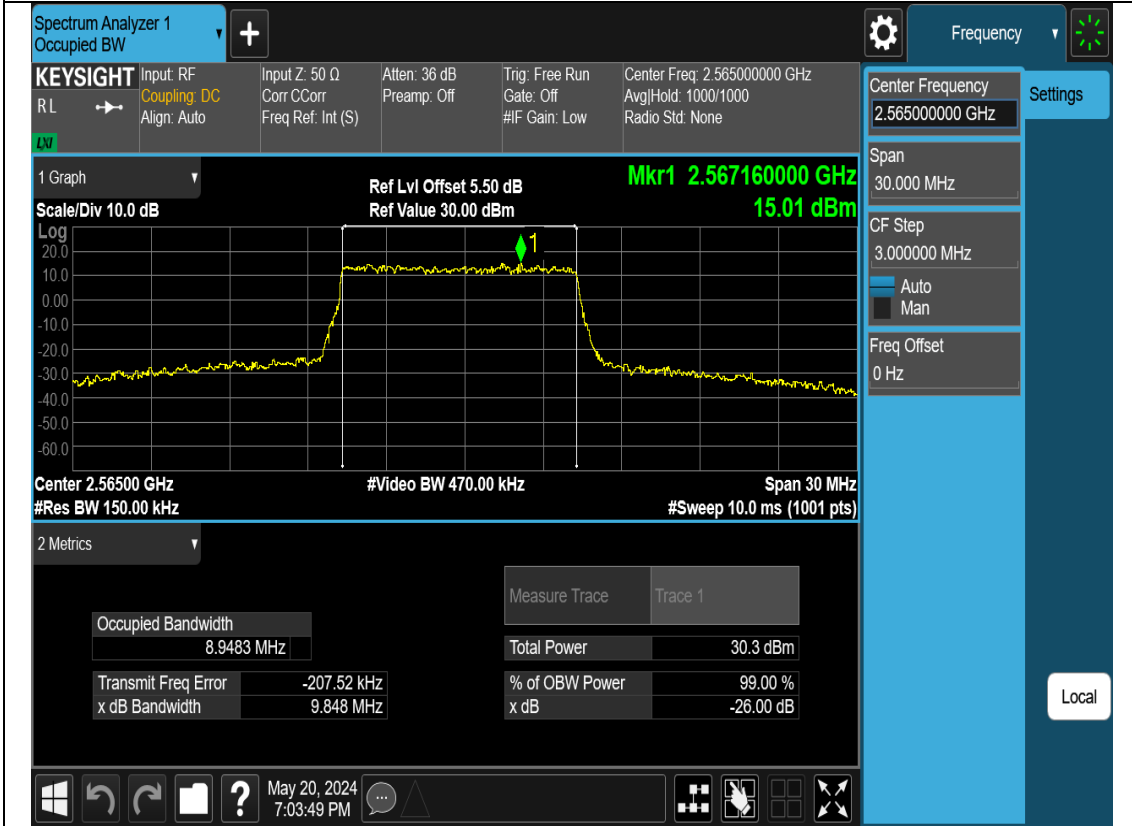
N7-10M-OBW-H-DFT-s-OFDM-256QAM



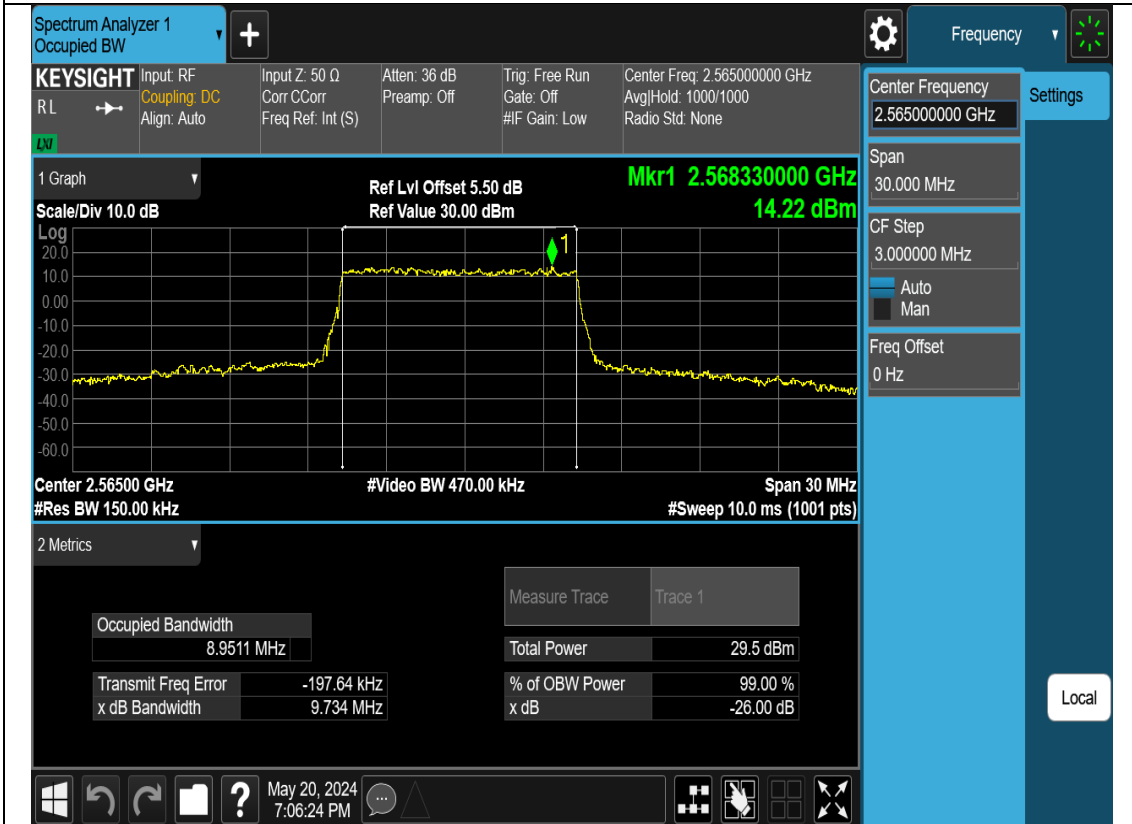
N7-10M-OBW-H-CP-OFDM-QPSK



N7-10M-OBW-H-CP-OFDM-16QAM



N7-10M-OBW-H-CP-OFDM-64QAM



N7-10M-OBW-H-CP-OFDM-256QAM

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: 2.56500000 GHz
Avg/Hold: 1000/1000
Radio Std: None

Center Frequency: 2.56500000 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 2.56128000 GHz
11.83 dBm

Center 2.56500 GHz
#Res BW 150.00 kHz
#Video BW 470.00 kHz
Span 30 MHz
#Sweep 10.0 ms (1001 pts)

2 Metrics

Occupied Bandwidth	8.9327 MHz	Total Power	26.7 dBm
Transmit Freq Error	-183.52 kHz	% of OBW Power	99.00 %
x dB Bandwidth	9.676 MHz	x dB	-26.00 dB

May 20, 2024 7:15:03 PM

N7-15M-OBW-L-DFT-s-OFDM-Pi2 BPSK

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: 2.507500000 GHz
Avg/Hold: 1000/1000
Radio Std: None

Center Frequency: 2.507500000 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 2.505925000 GHz
17.50 dBm

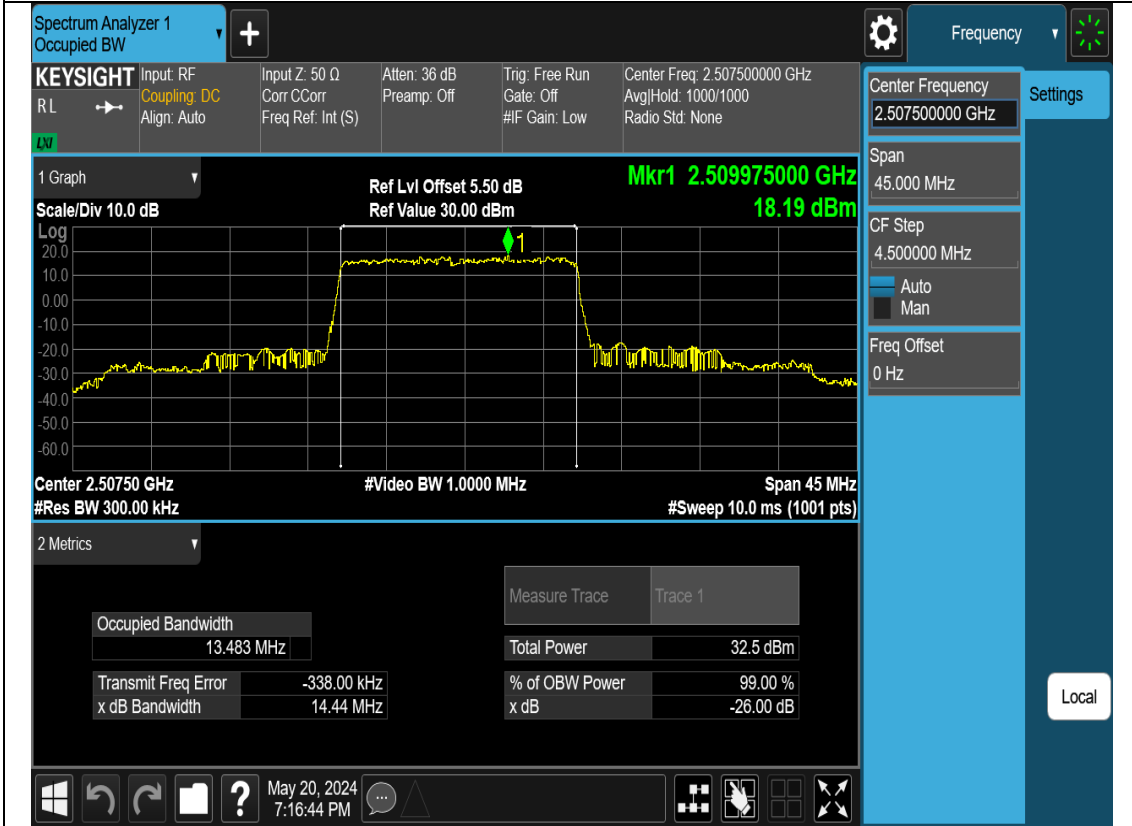
Center 2.50750 GHz
#Res BW 300.00 kHz
#Video BW 1.0000 MHz
Span 45 MHz
#Sweep 10.0 ms (1001 pts)

2 Metrics

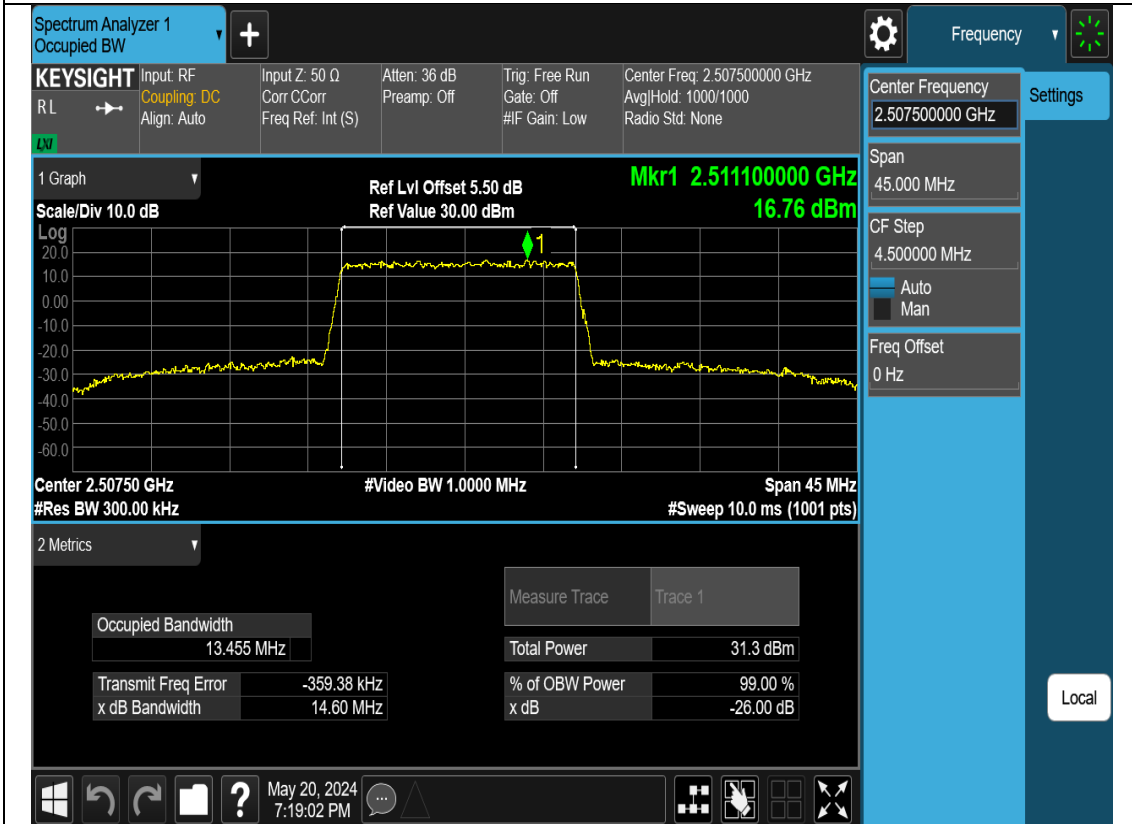
Occupied Bandwidth	13.445 MHz	Total Power	31.7 dBm
Transmit Freq Error	-357.57 kHz	% of OBW Power	99.00 %
x dB Bandwidth	14.57 MHz	x dB	-26.00 dB

May 21, 2024 9:29:52 AM

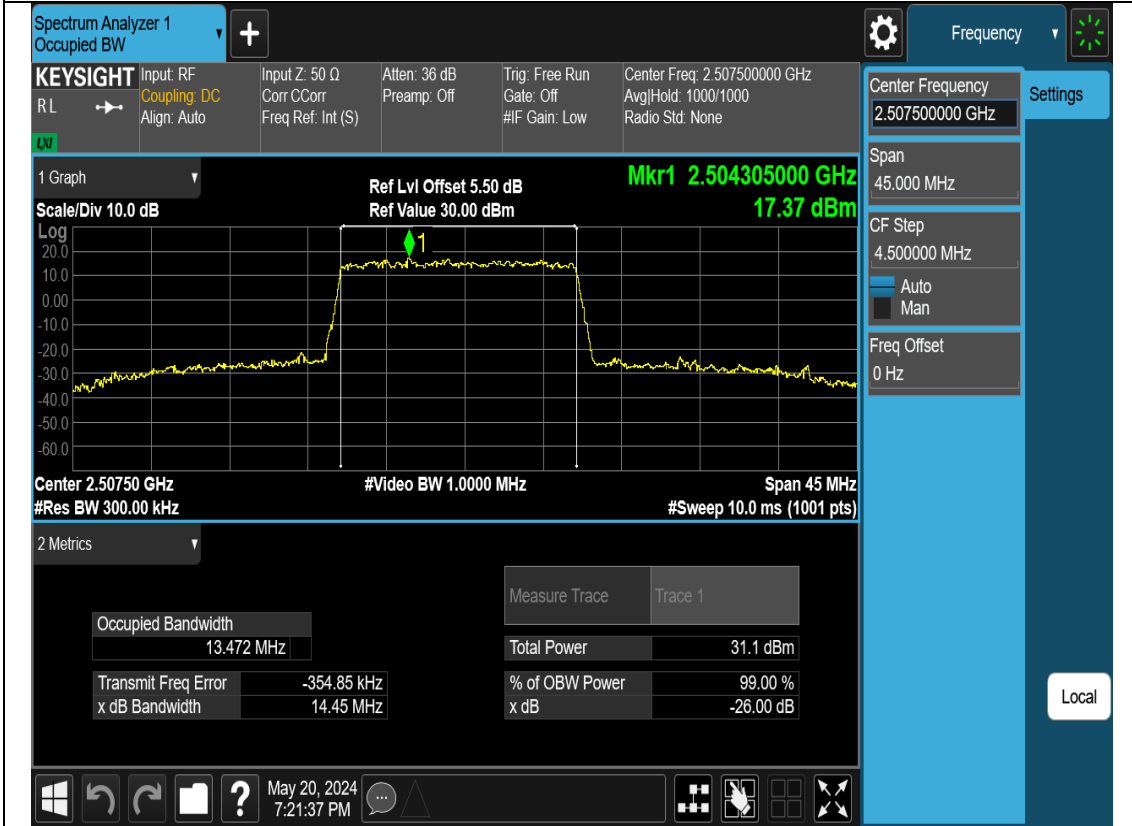
N7-15M-OBW-L-DFT-s-OFDM-QPSK



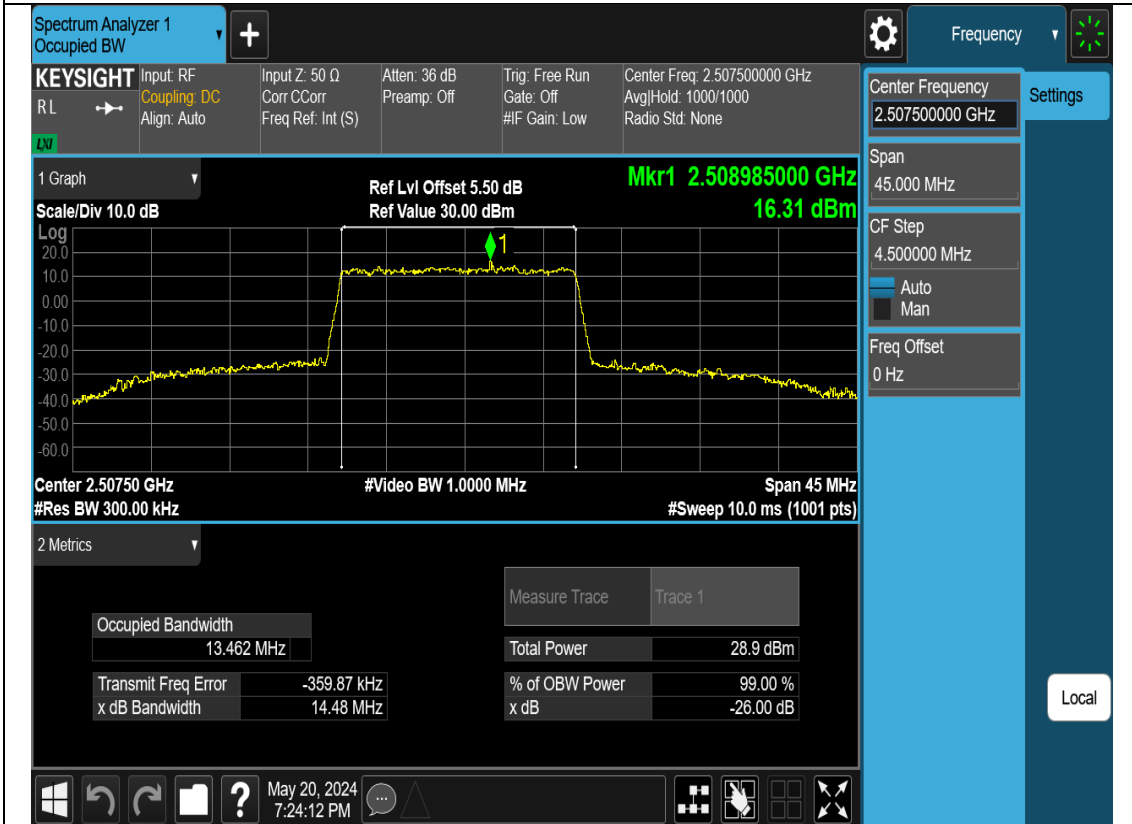
N7-15M-OBW-L-DFT-s-OFDM-16QAM



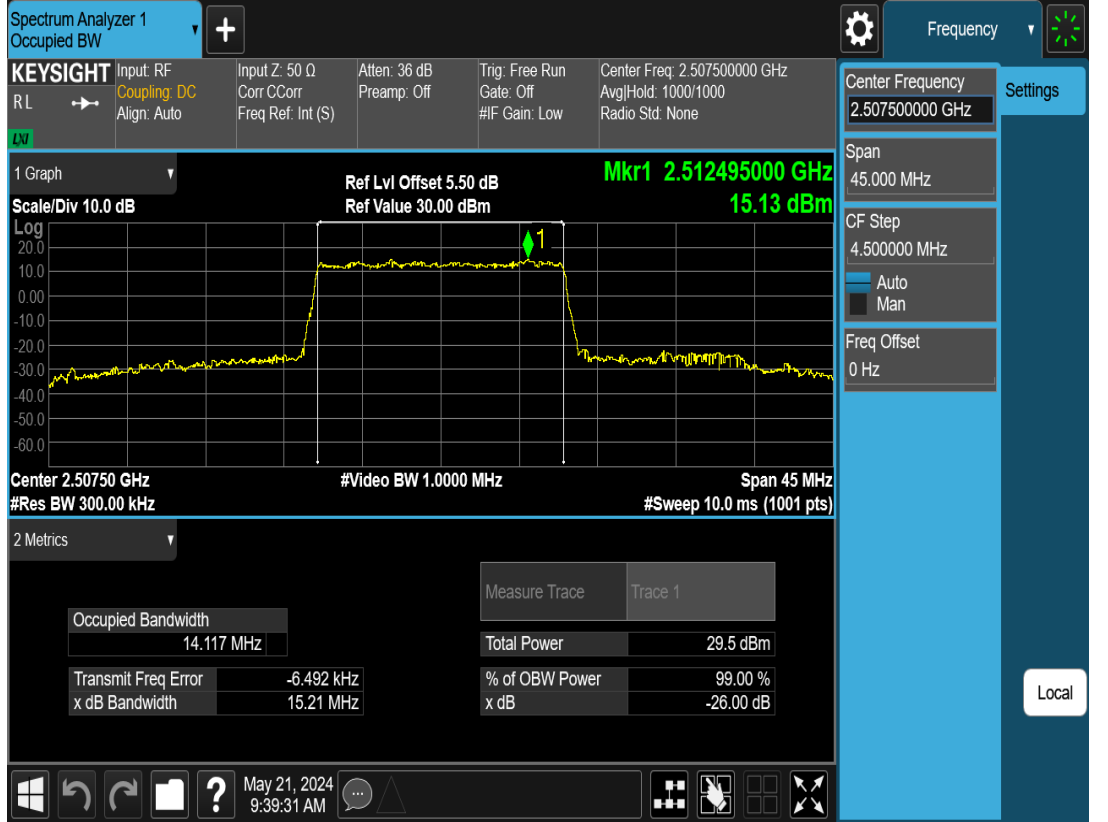
N7-15M-OBW-L-DFT-s-OFDM-64QAM



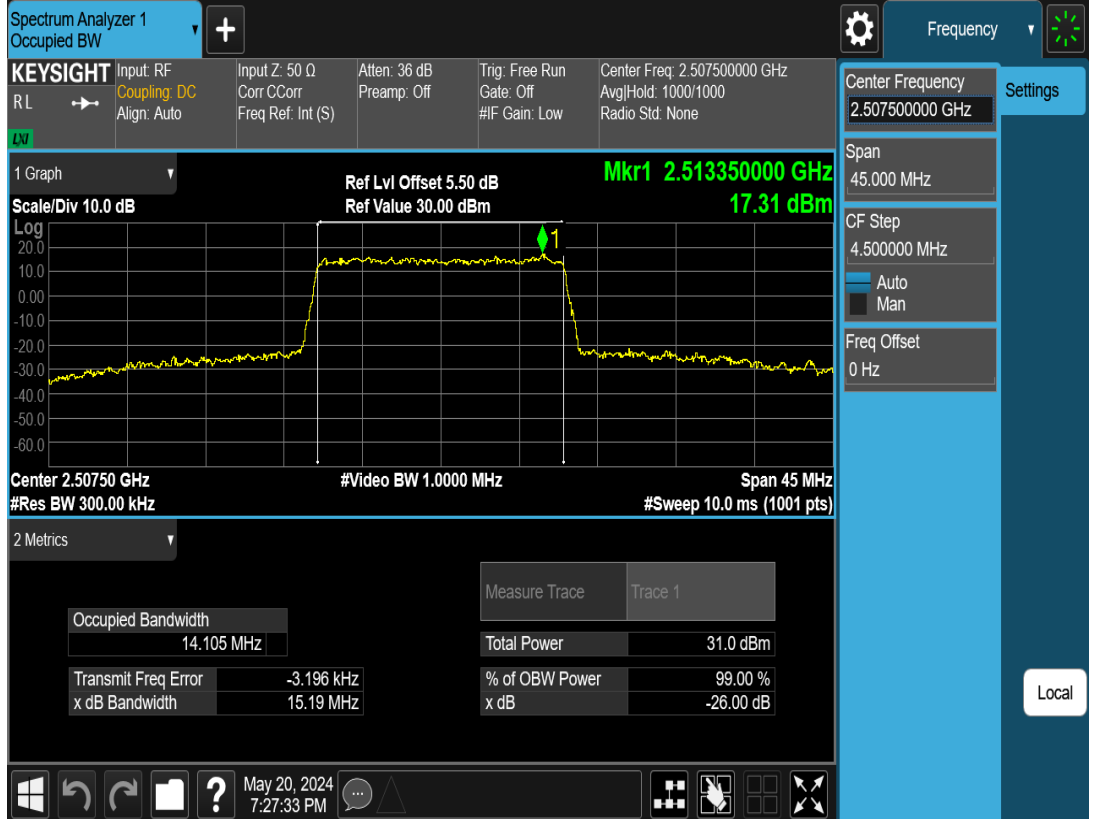
N7-15M-OBW-L-DFT-s-OFDM-256QAM



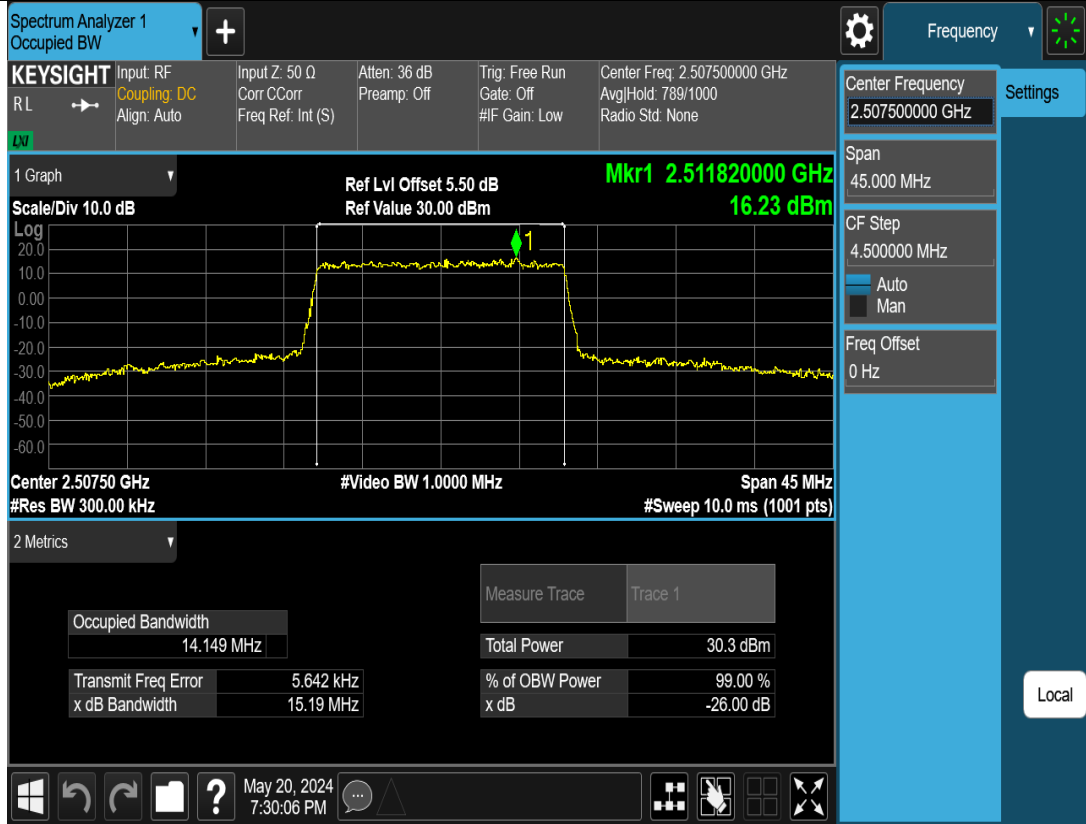
N7-15M-OBW-L-CP-OFDM-QPSK



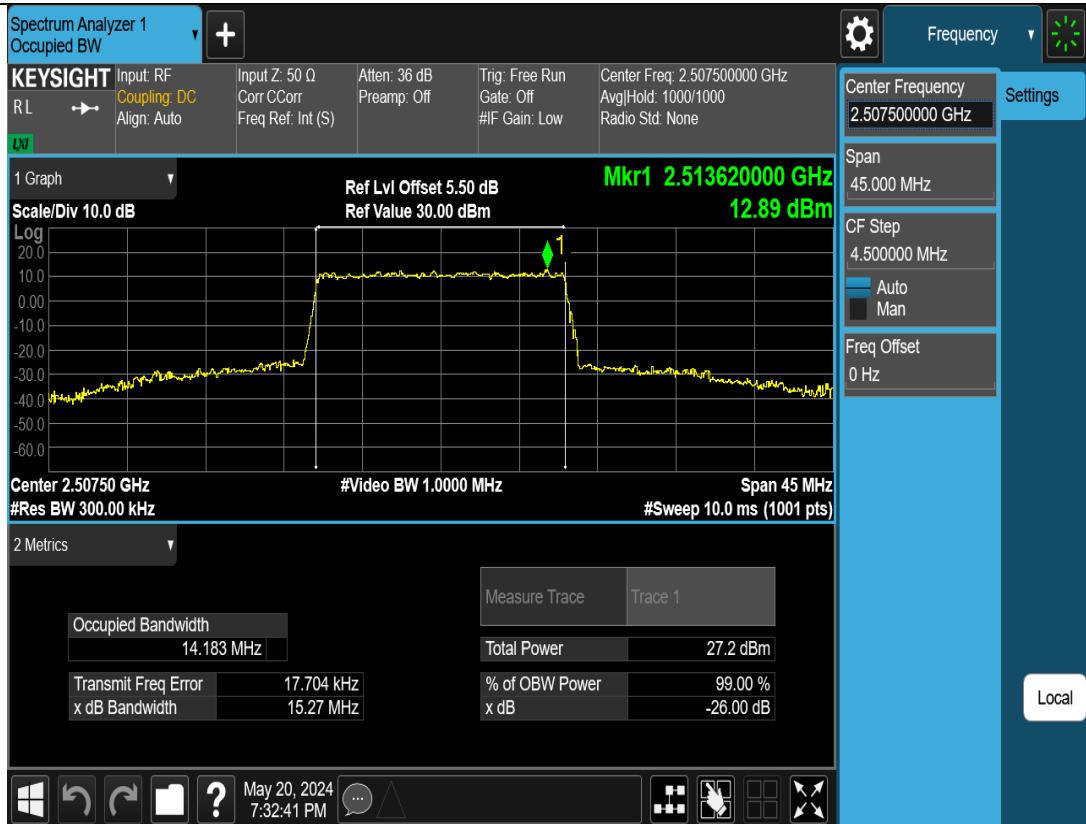
N7-15M-OBW-L-CP-OFDM-16QAM



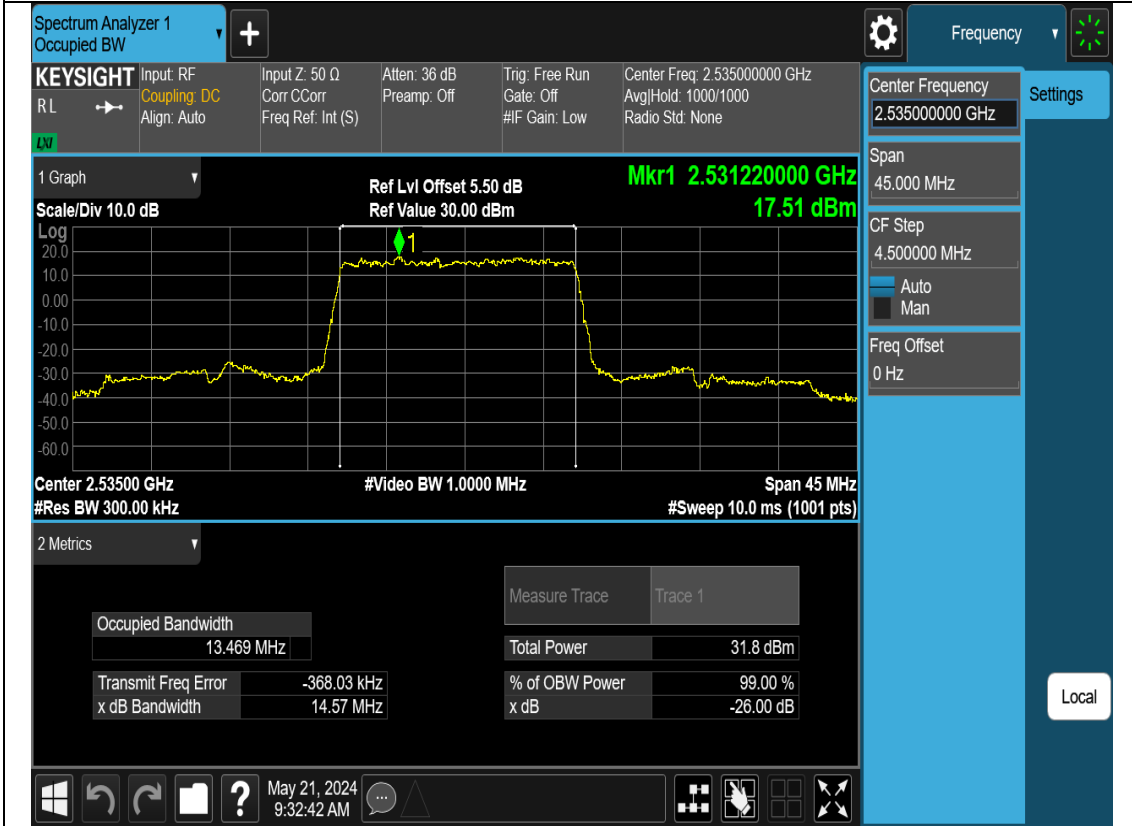
N7-15M-OBW-L-CP-OFDM-64QAM



N7-15M-OBW-L-CP-OFDM-256QAM



N7-15M-OBW-M-DFT-s-OFDM-Pi2 BPSK



N7-15M-OBW-M-DFT-s-OFDM-QPSK

