

99% & 26dB Bandwidth

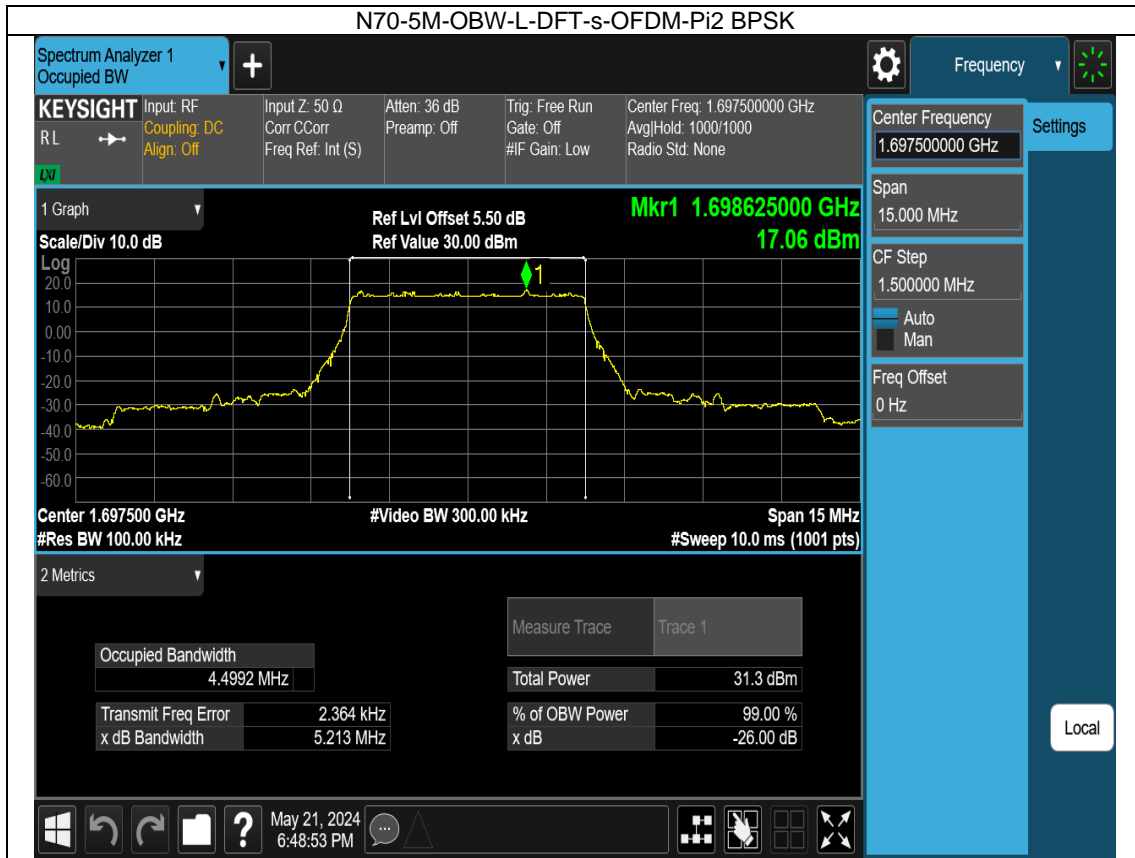
Test Result

5G NR n70 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	4.499	5.213	/	Pass
DFT-s-OFDM QPSK		Outer_Full	4.510	5.146	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	4.525	5.242	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	4.516	5.244	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	4.519	5.144	/	Pass
CP-OFDM QPSK		Outer_Full	4.492	5.169	/	Pass
CP-OFDM 16QAM		Outer_Full	4.554	5.357	/	Pass
CP-OFDM 64QAM		Outer_Full	4.497	5.187	/	Pass
CP-OFDM 256QAM		Outer_Full	4.500	5.139	/	Pass
DFT-s-OFDM PI/2 BPSK		Middle CH	Outer_Full	4.503	5.192	/
DFT-s-OFDM QPSK	Outer_Full		4.543	5.239	/	Pass
DFT-s-OFDM 16QAM	Outer_Full		4.518	5.195	/	Pass
DFT-s-OFDM 64QAM	Outer_Full		4.504	5.106	/	Pass
DFT-s-OFDM 256QAM	Outer_Full		4.516	5.168	/	Pass
CP-OFDM QPSK	Outer_Full		4.485	5.160	/	Pass
CP-OFDM 16QAM	Outer_Full		4.561	5.381	/	Pass
CP-OFDM 64QAM	Outer_Full		4.498	5.176	/	Pass
CP-OFDM 256QAM	Outer_Full		4.499	5.170	/	Pass
DFT-s-OFDM PI/2 BPSK	High CH		Outer_Full	4.497	5.196	/
DFT-s-OFDM QPSK		Outer_Full	4.561	5.381	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	4.515	5.239	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	4.517	5.211	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	4.517	5.143	/	Pass
CP-OFDM QPSK		Outer_Full	4.515	5.251	/	Pass
CP-OFDM 16QAM		Outer_Full	4.547	5.311	/	Pass
CP-OFDM 64QAM		Outer_Full	4.497	5.278	/	Pass
CP-OFDM 256QAM		Outer_Full	4.483	5.055	/	Pass

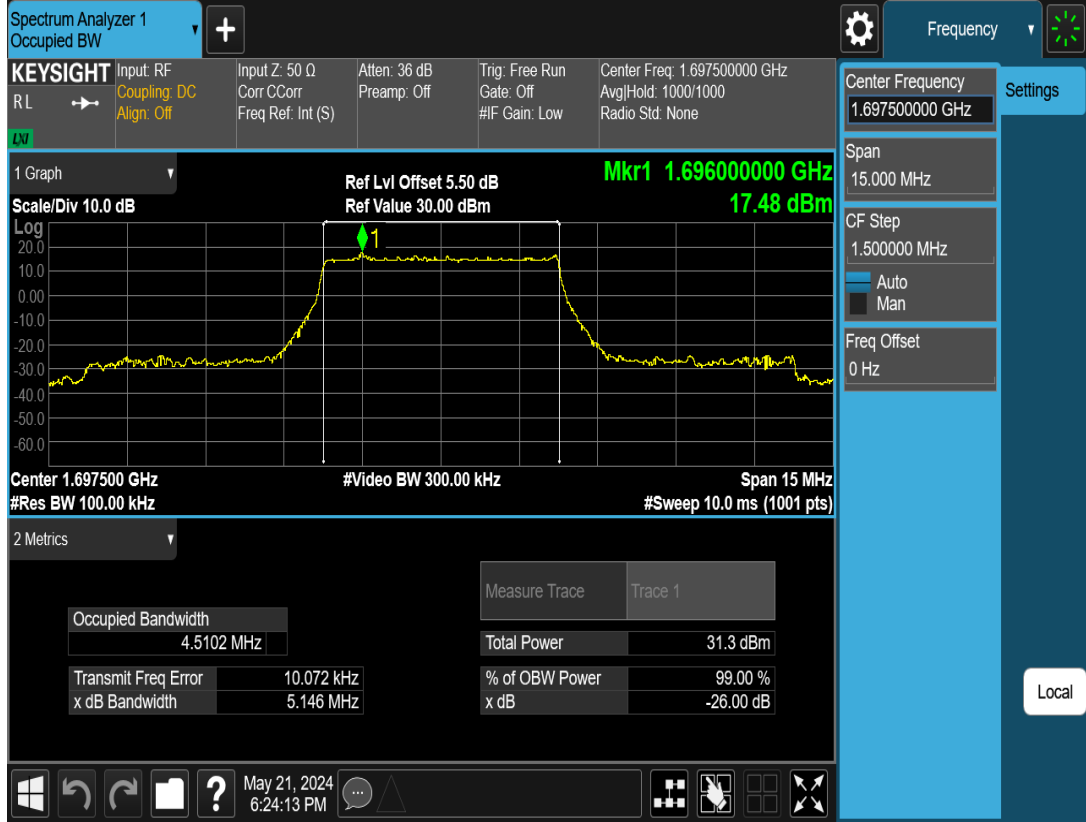
5G NR n70 SCS=15kHz 10MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	8.950	9.672	/	Pass
DFT-s-OFDM QPSK		Outer_Full	8.947	9.695	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	8.965	9.888	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	8.979	9.741	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	8.972	9.763	/	Pass
CP-OFDM QPSK		Outer_Full	9.310	10.17	/	Pass
CP-OFDM 16QAM		Outer_Full	9.312	10.22	/	Pass
CP-OFDM 64QAM		Outer_Full	9.331	10.29	/	Pass
CP-OFDM 256QAM		Outer_Full	9.348	10.20	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	8.952	9.705	/	Pass
DFT-s-OFDM QPSK		Outer_Full	8.957	9.735	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	8.974	9.858	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	8.967	9.792	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	8.989	9.772	/	Pass
CP-OFDM QPSK		Outer_Full	9.322	10.21	/	Pass
CP-OFDM 16QAM		Outer_Full	8.959	9.811	/	Pass
CP-OFDM 64QAM		Outer_Full	8.958	9.730	/	Pass
CP-OFDM 256QAM		Outer_Full	8.959	9.846	/	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	8.936	9.626	/	Pass
DFT-s-OFDM QPSK		Outer_Full	8.940	9.669	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	8.951	9.702	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	8.957	9.712	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	8.986	9.720	/	Pass
CP-OFDM QPSK		Outer_Full	9.304	10.09	/	Pass
CP-OFDM 16QAM		Outer_Full	8.952	9.783	/	Pass
CP-OFDM 64QAM		Outer_Full	8.931	9.765	/	Pass
CP-OFDM 256QAM		Outer_Full	8.962	9.761	/	Pass

5G NR n70 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	13.480	14.59	/	Pass
DFT-s-OFDM QPSK		Outer_Full	13.472	14.51	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	13.477	14.51	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	13.493	14.53	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	13.532	14.51	/	Pass
CP-OFDM QPSK		Outer_Full	14.199	15.28	/	Pass
CP-OFDM 16QAM		Outer_Full	14.170	15.31	/	Pass
CP-OFDM 64QAM		Outer_Full	14.179	15.24	/	Pass
CP-OFDM 256QAM		Outer_Full	14.159	15.32	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	13.460	14.42	/	Pass
DFT-s-OFDM QPSK		Outer_Full	13.507	14.61	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	13.493	14.55	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	13.477	14.60	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	13.479	14.54	/	Pass
CP-OFDM QPSK		Outer_Full	14.193	15.26	/	Pass
CP-OFDM 16QAM		Outer_Full	13.486	14.61	/	Pass
CP-OFDM 64QAM		Outer_Full	13.484	14.60	/	Pass
CP-OFDM 256QAM		Outer_Full	13.462	14.51	/	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	13.490	14.48	/	Pass
DFT-s-OFDM QPSK		Outer_Full	13.508	14.59	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	13.487	14.55	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	13.482	14.58	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	13.557	14.54	/	Pass
CP-OFDM QPSK		Outer_Full	14.127	15.22	/	Pass
CP-OFDM 16QAM		Outer_Full	13.425	14.49	/	Pass
CP-OFDM 64QAM		Outer_Full	13.519	14.55	/	Pass
CP-OFDM 256QAM		Outer_Full	13.486	14.54	/	Pass

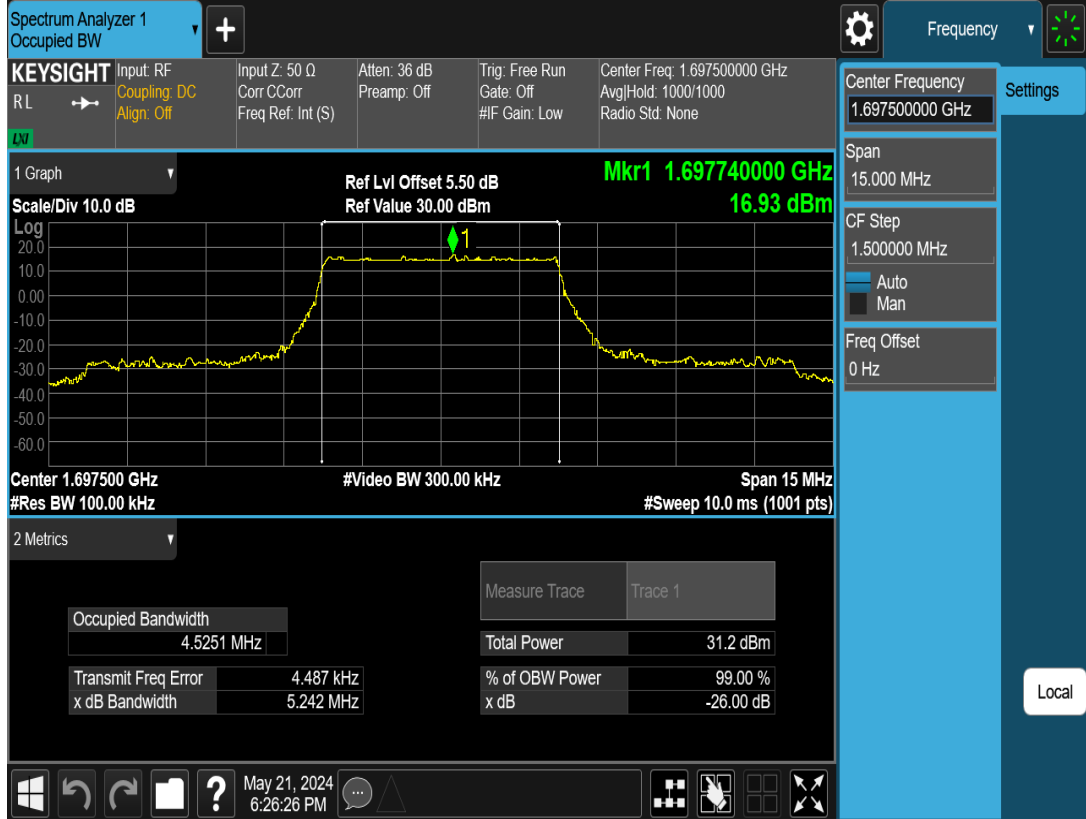
Test graph



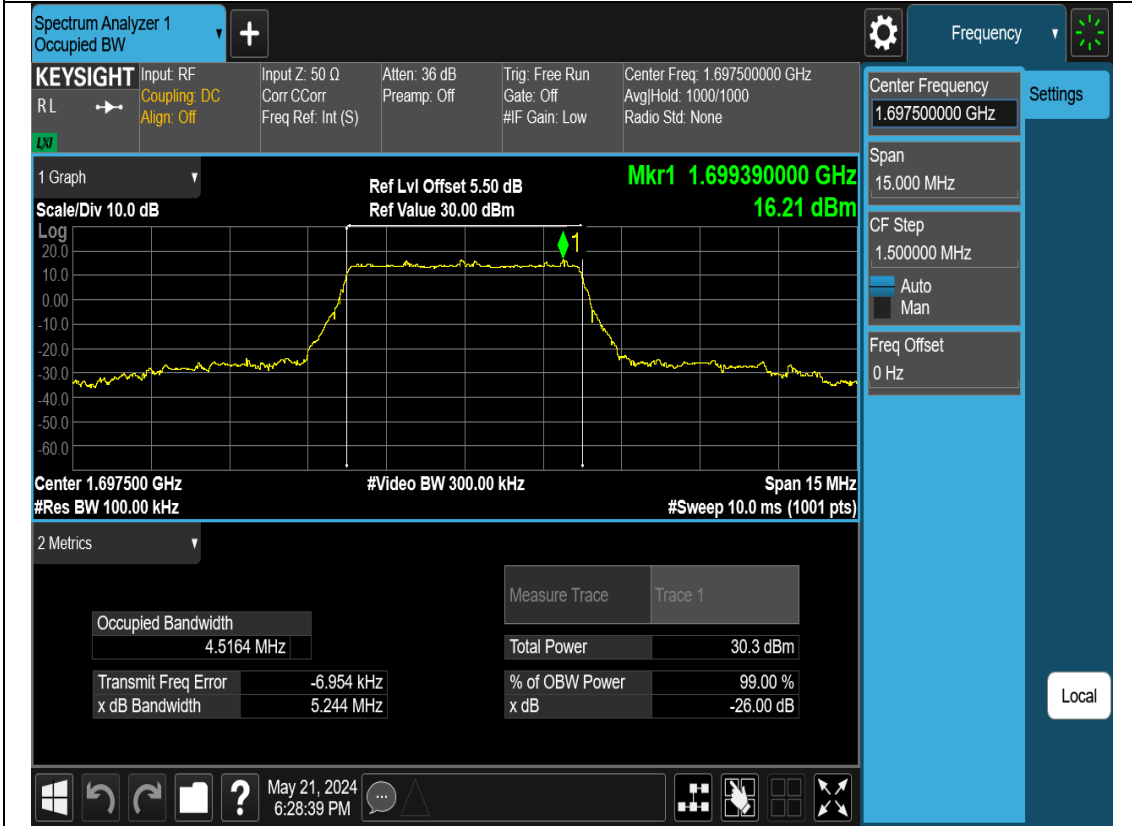
N70-5M-OBW-L-DFT-s-OFDM-QPSK



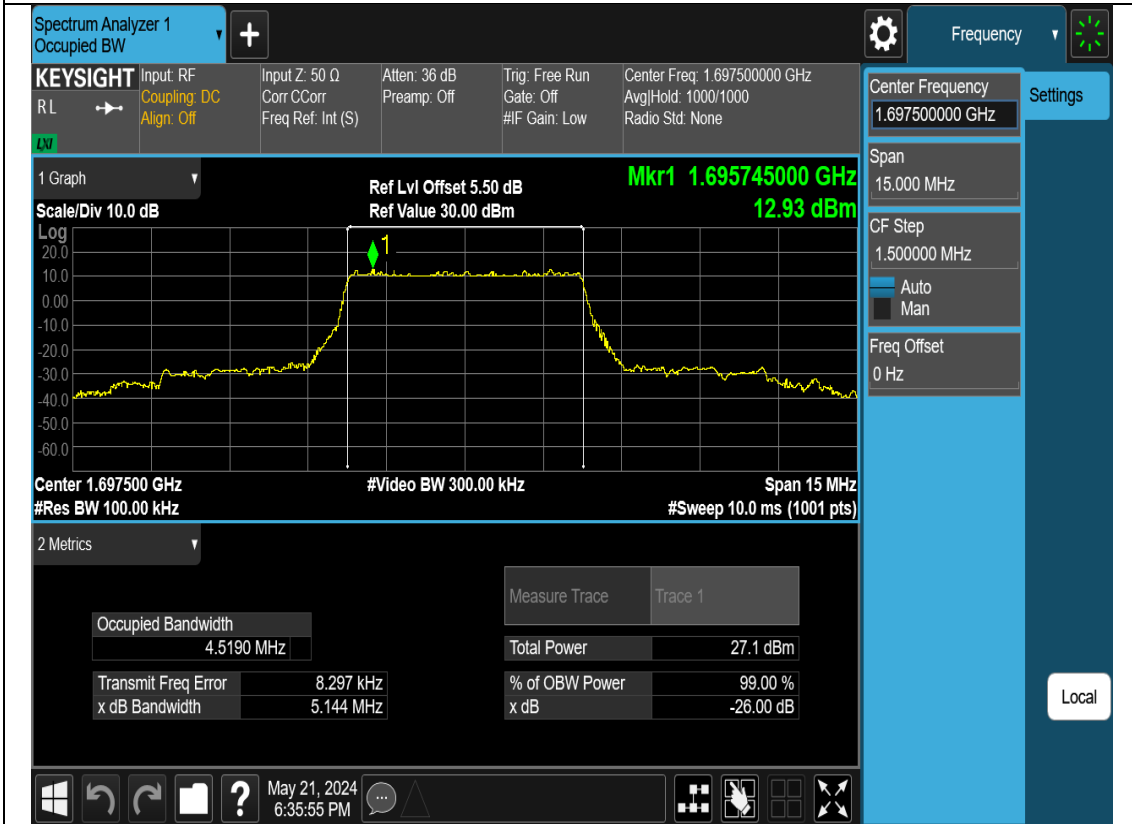
N70-5M-OBW-L-DFT-s-OFDM-16QAM



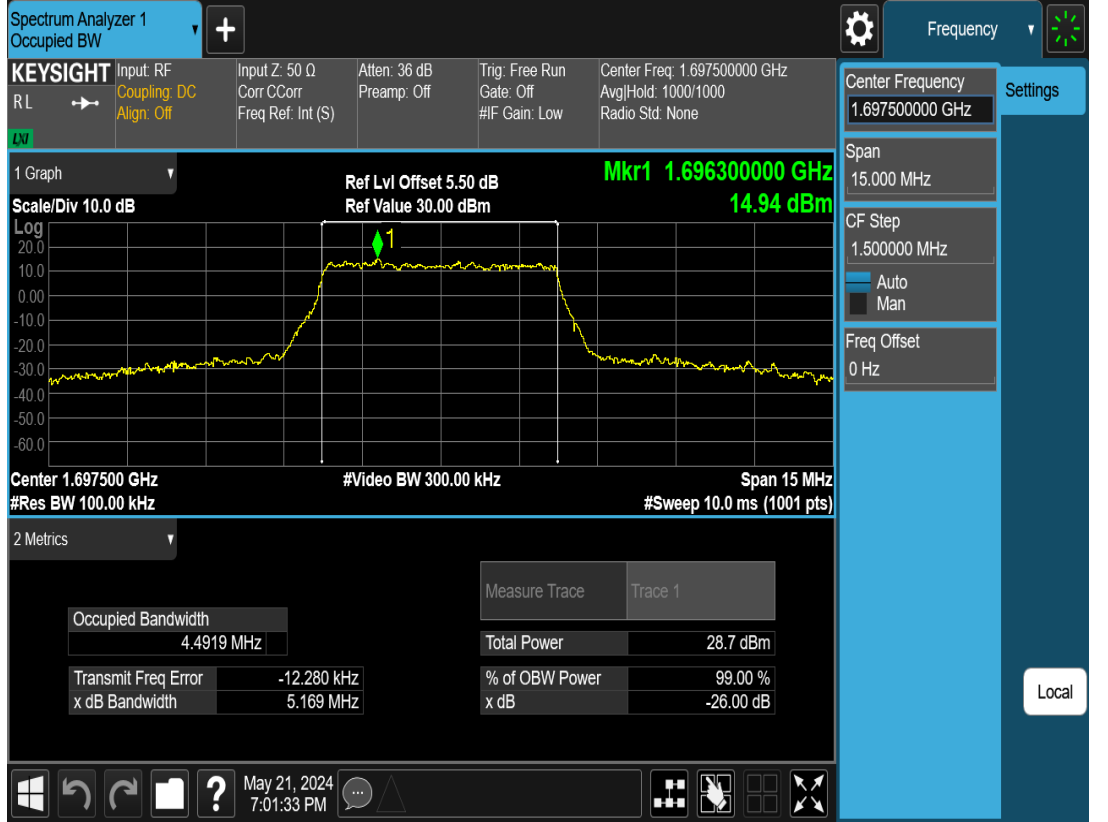
N70-5M-OBW-L-DFT-s-OFDM-64QAM



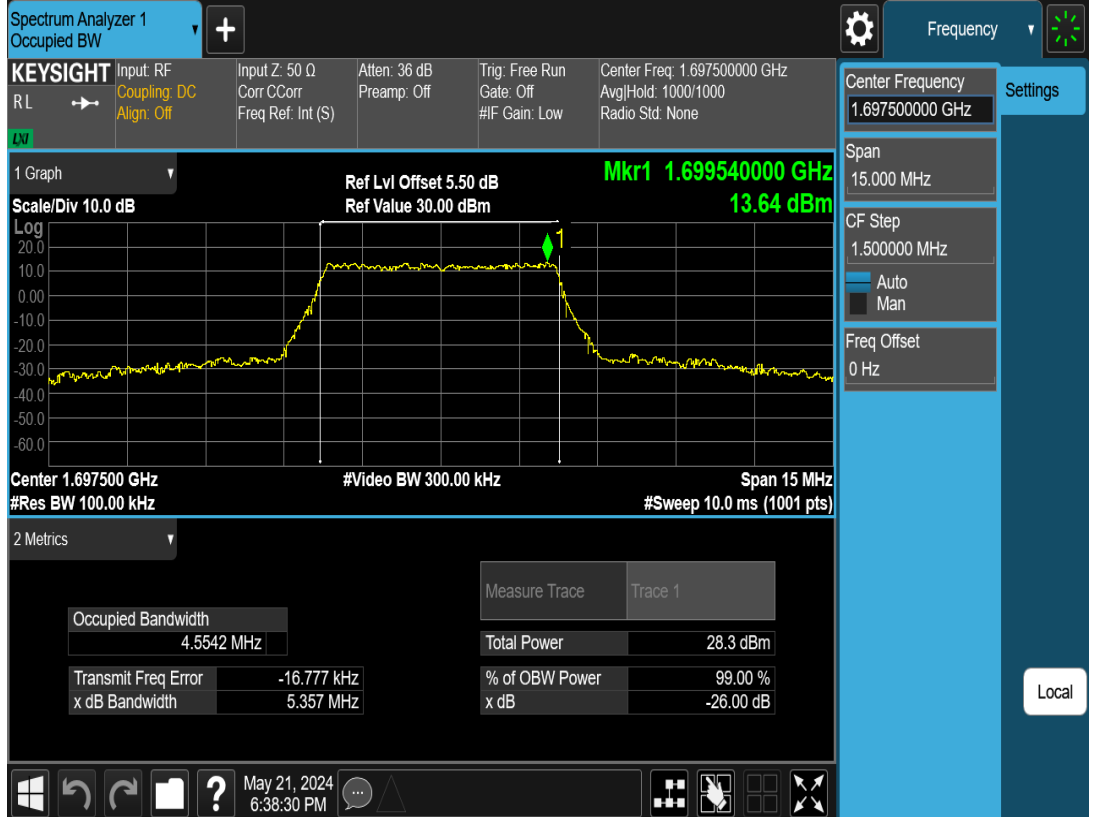
N70-5M-OBW-L-DFT-s-OFDM-256QAM



N70-5M-OBW-L-CP-OFDM-QPSK



N70-5M-OBW-L-CP-OFDM-16QAM



N70-5M-OBW-L-CP-OFDM-64QAM

Spectrum Analyzer 1
Occupied BW

KEYSIGHT Input RF
RL Coupling: DC
Align: Off

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: 1.69750000 GHz
Avg/Hold: 1000/1000
Radio Std: None

Center Frequency: 1.69750000 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 1.695430000 GHz
13.09 dBm

Center 1.697500 GHz
#Res BW 100.00 kHz
#Video BW 300.00 kHz
Span 15 MHz
#Sweep 10.0 ms (1001 pts)

2 Metrics

Occupied Bandwidth	4.4971 MHz	Total Power	27.7 dBm
Transmit Freq Error	-184 Hz	% of OBW Power	99.00 %
x dB Bandwidth	5.187 MHz	x dB	-26.00 dB

May 21, 2024 6:41:04 PM

N70-5M-OBW-L-CP-OFDM-256QAM

Spectrum Analyzer 1
Occupied BW

KEYSIGHT Input RF
RL Coupling: DC
Align: Off

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: 1.69750000 GHz
Avg/Hold: 1000/1000
Radio Std: None

Center Frequency: 1.69750000 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 1.698970000 GHz
11.34 dBm

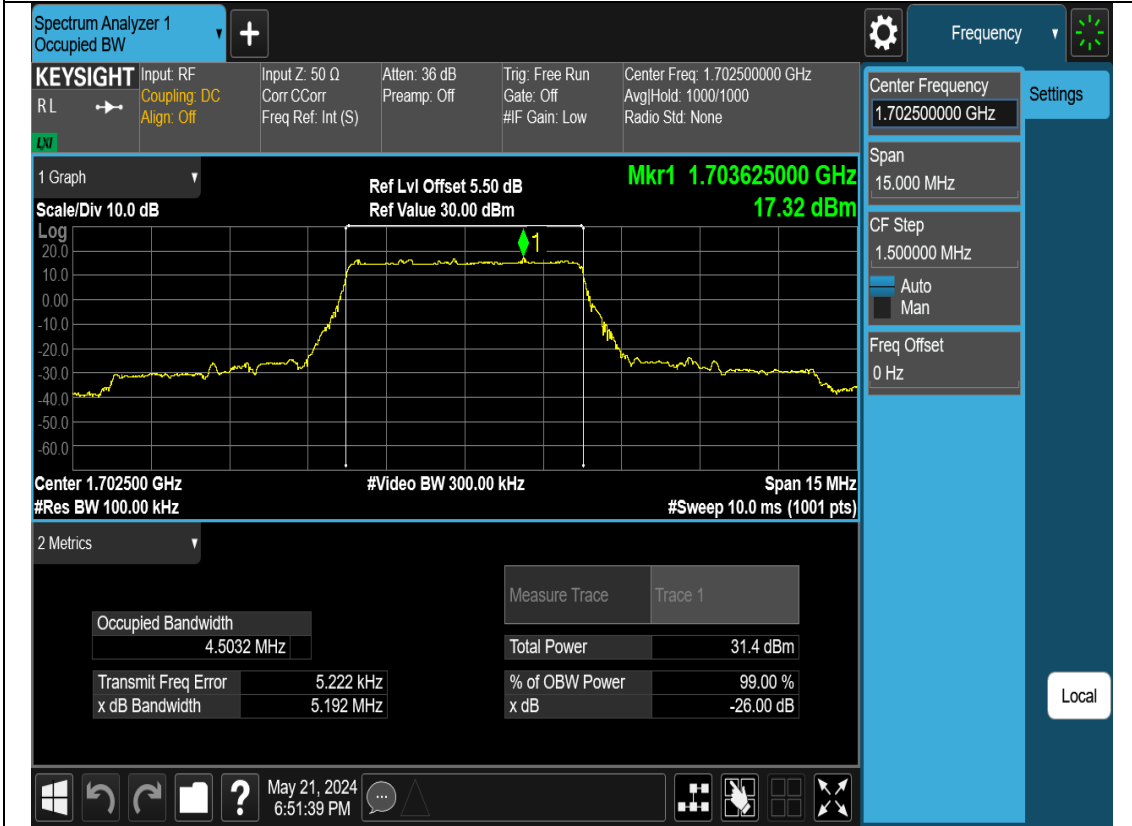
Center 1.697500 GHz
#Res BW 100.00 kHz
#Video BW 300.00 kHz
Span 15 MHz
#Sweep 10.0 ms (1001 pts)

2 Metrics

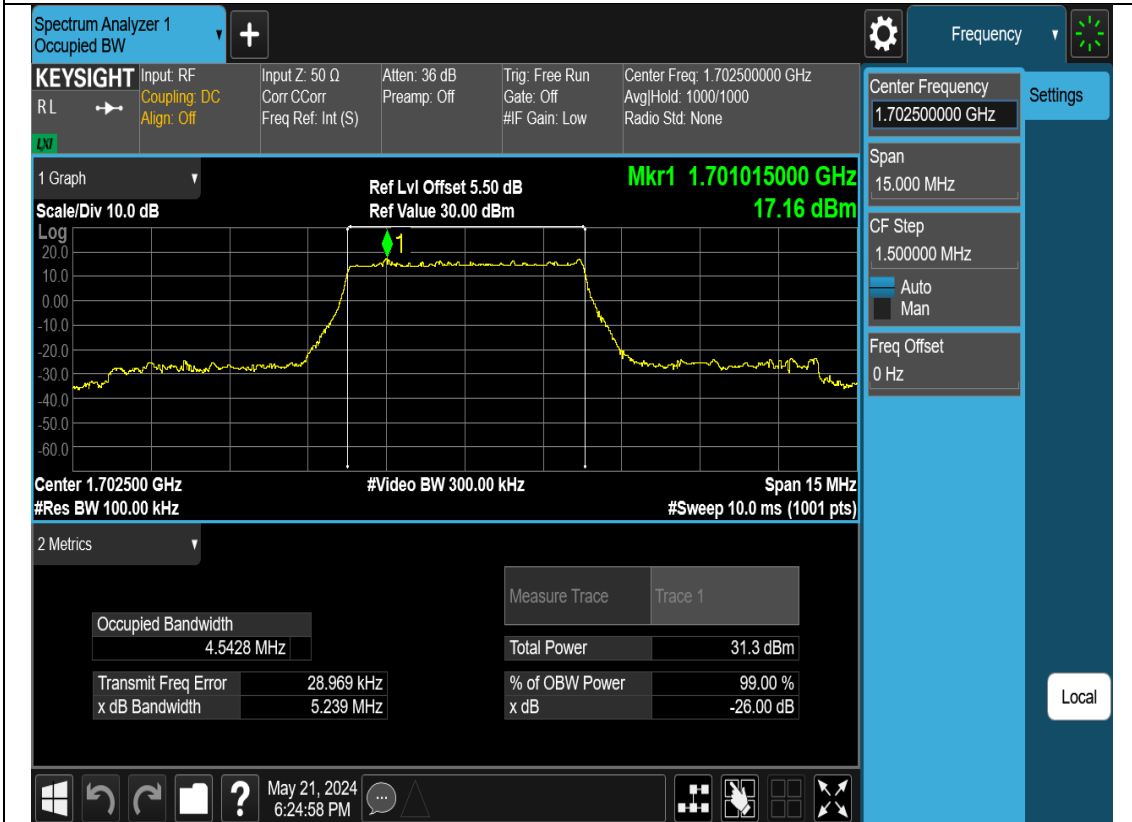
Occupied Bandwidth	4.5002 MHz	Total Power	25.0 dBm
Transmit Freq Error	-6.697 kHz	% of OBW Power	99.00 %
x dB Bandwidth	5.139 MHz	x dB	-26.00 dB

May 21, 2024 6:43:38 PM

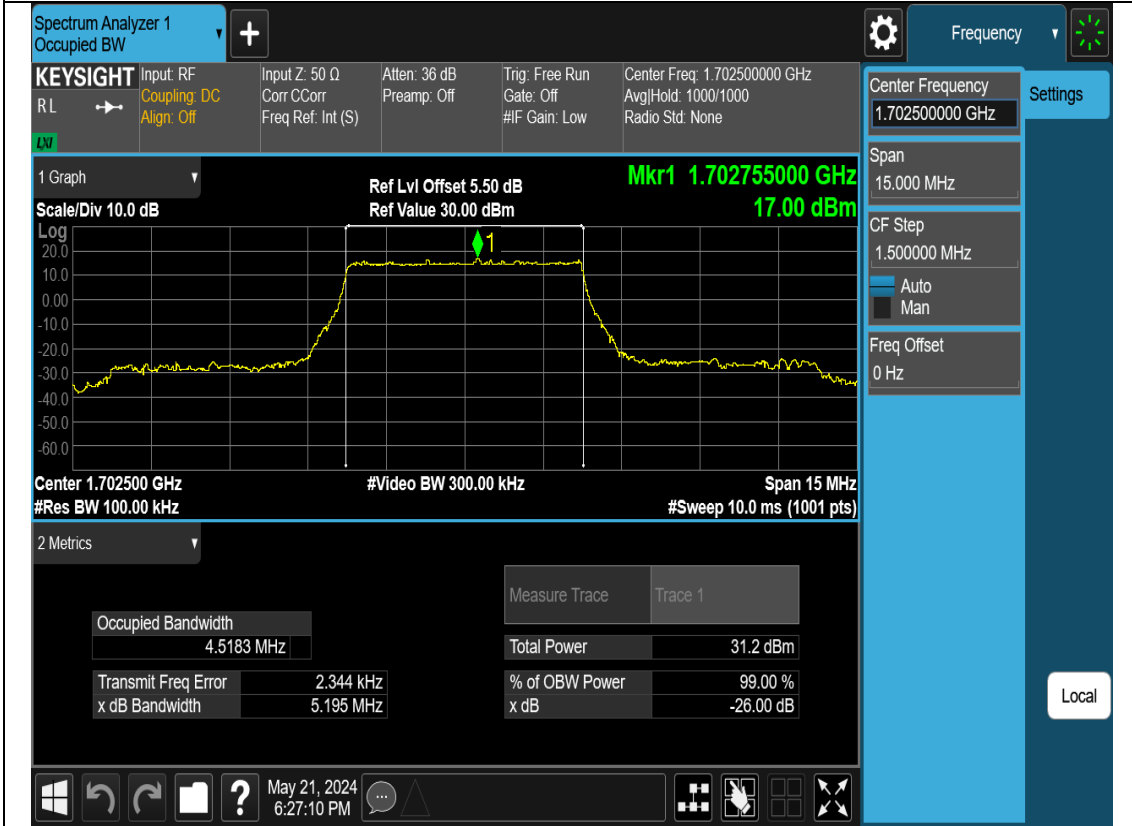
N70-5M-OBW-M-DFT-s-OFDM-Pi2 BPSK



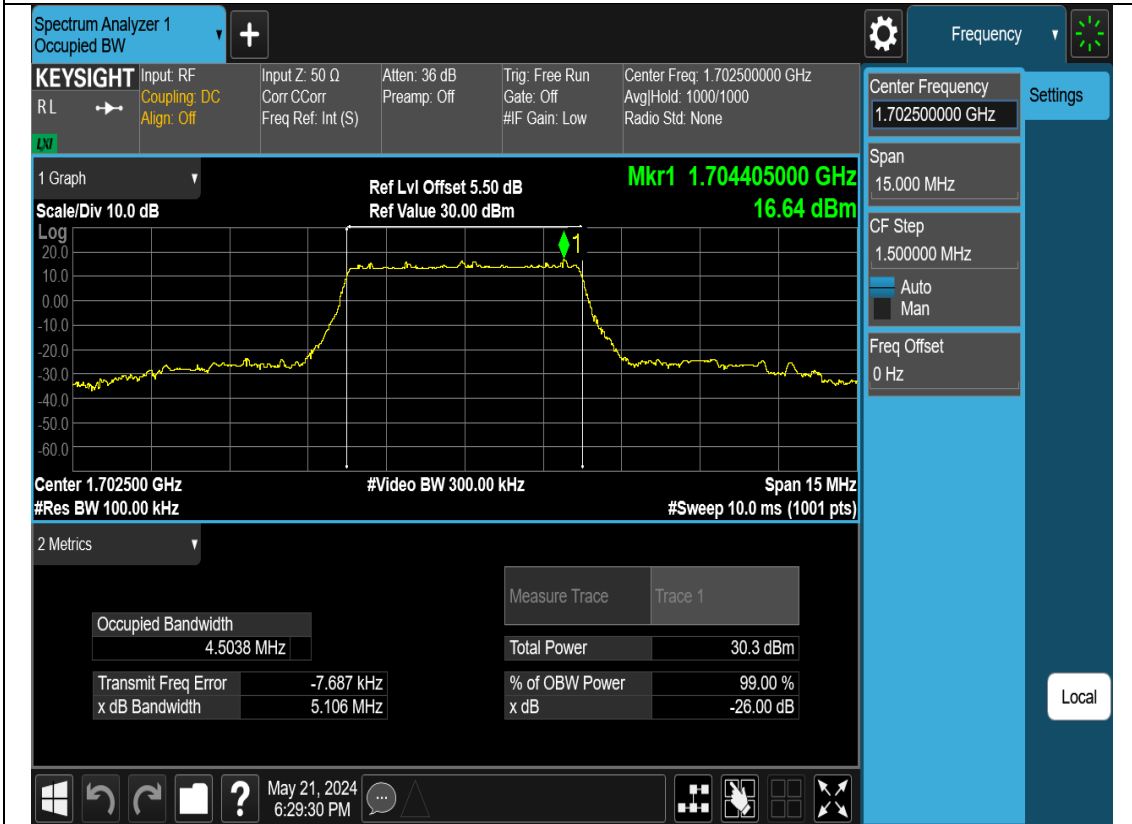
N70-5M-OBW-M-DFT-s-OFDM-QPSK



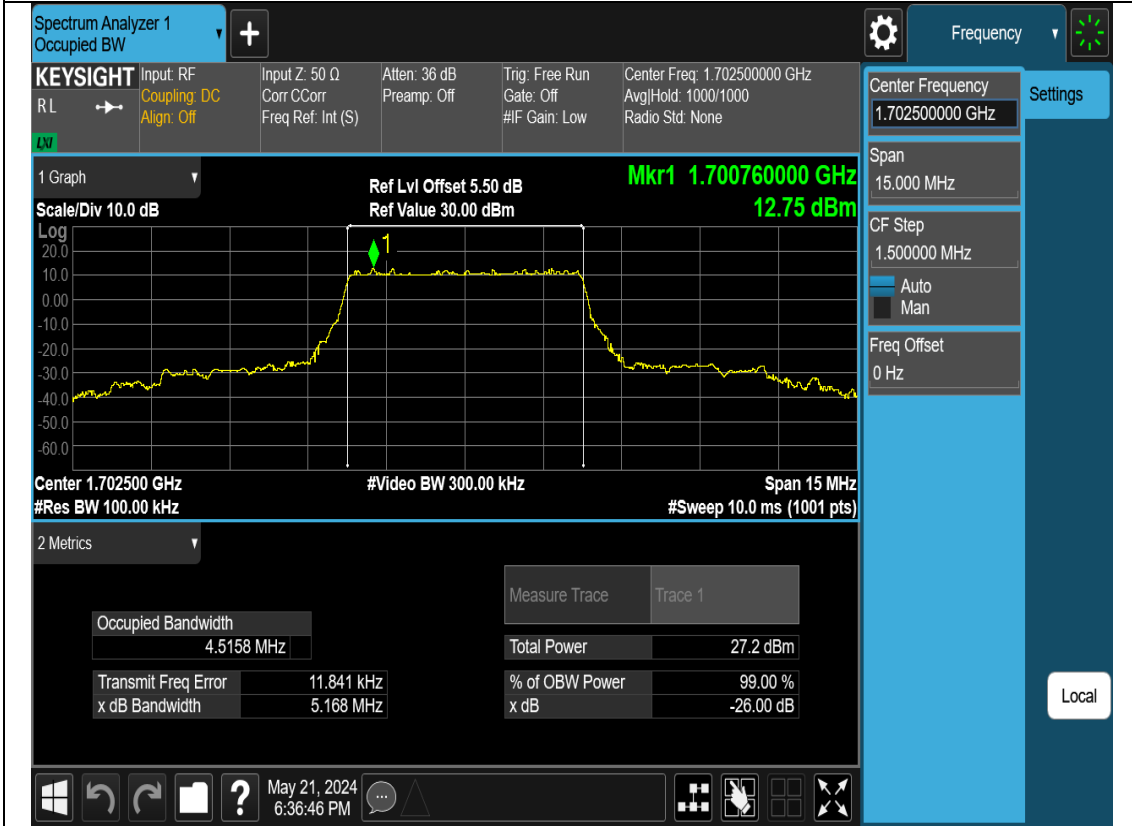
N70-5M-OBW-M-DFT-s-OFDM-16QAM



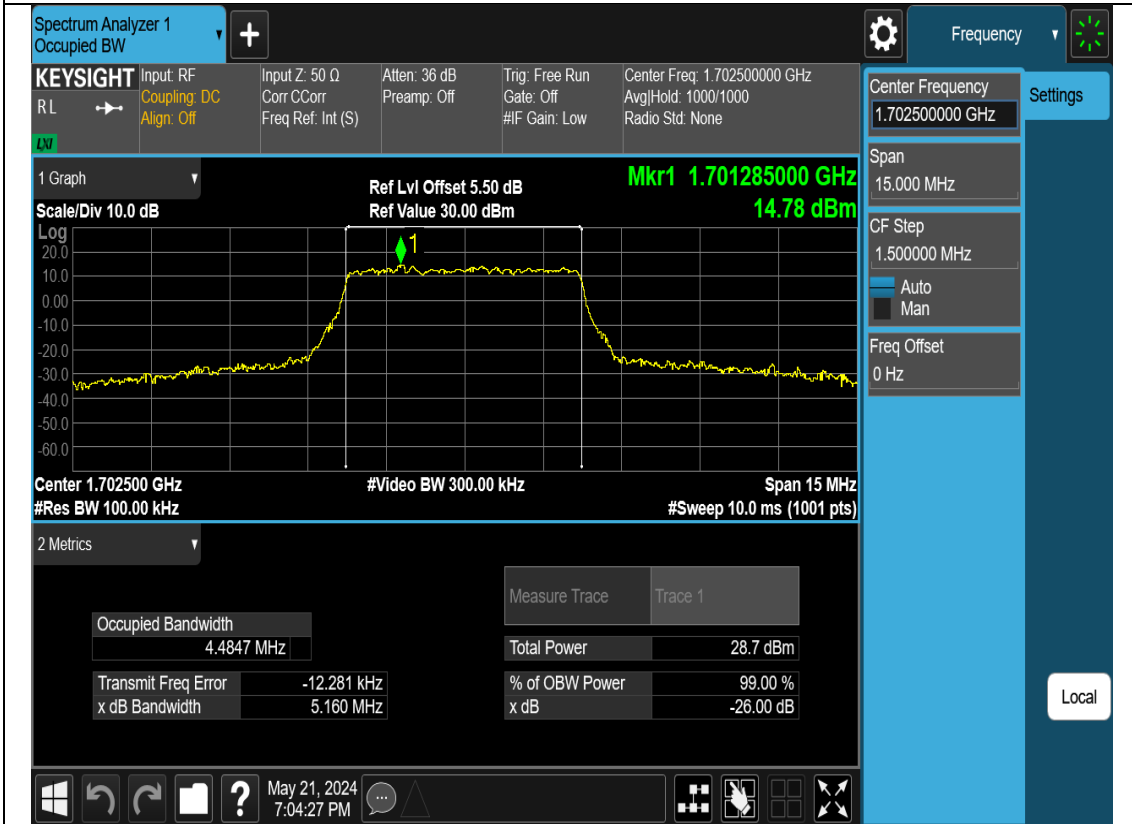
N70-5M-OBW-M-DFT-s-OFDM-64QAM



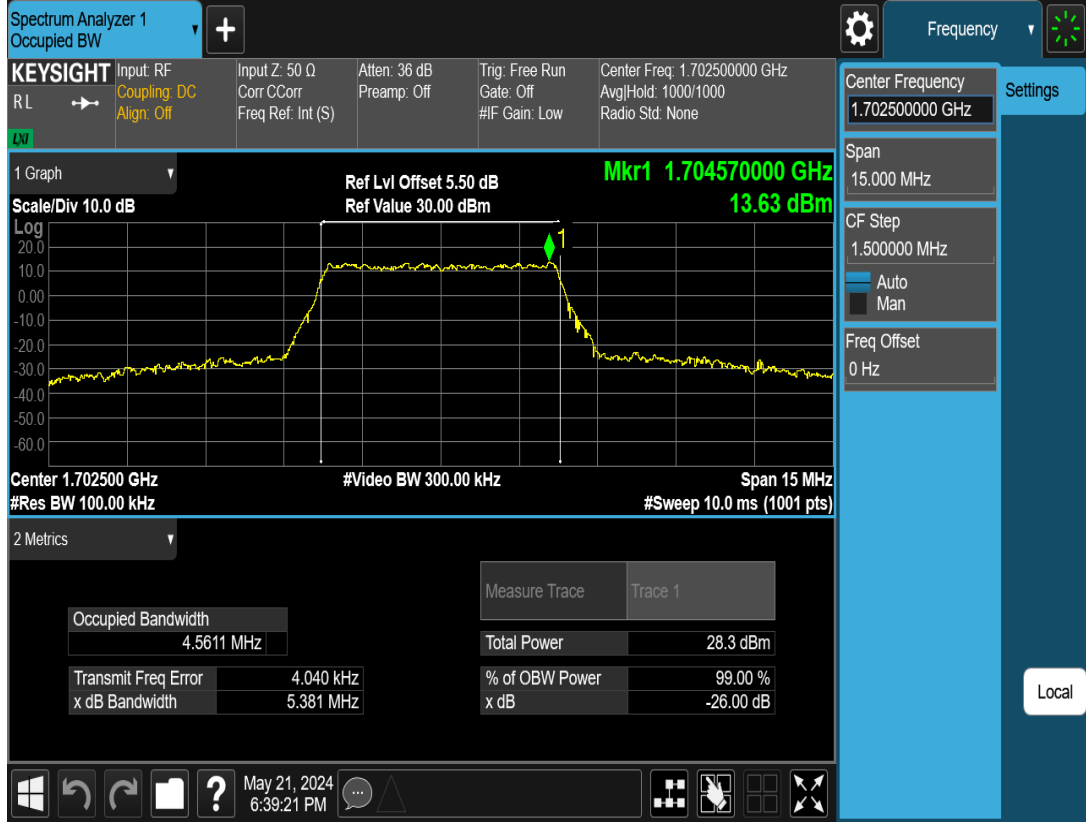
N70-5M-OBW-M-DFT-s-OFDM-256QAM



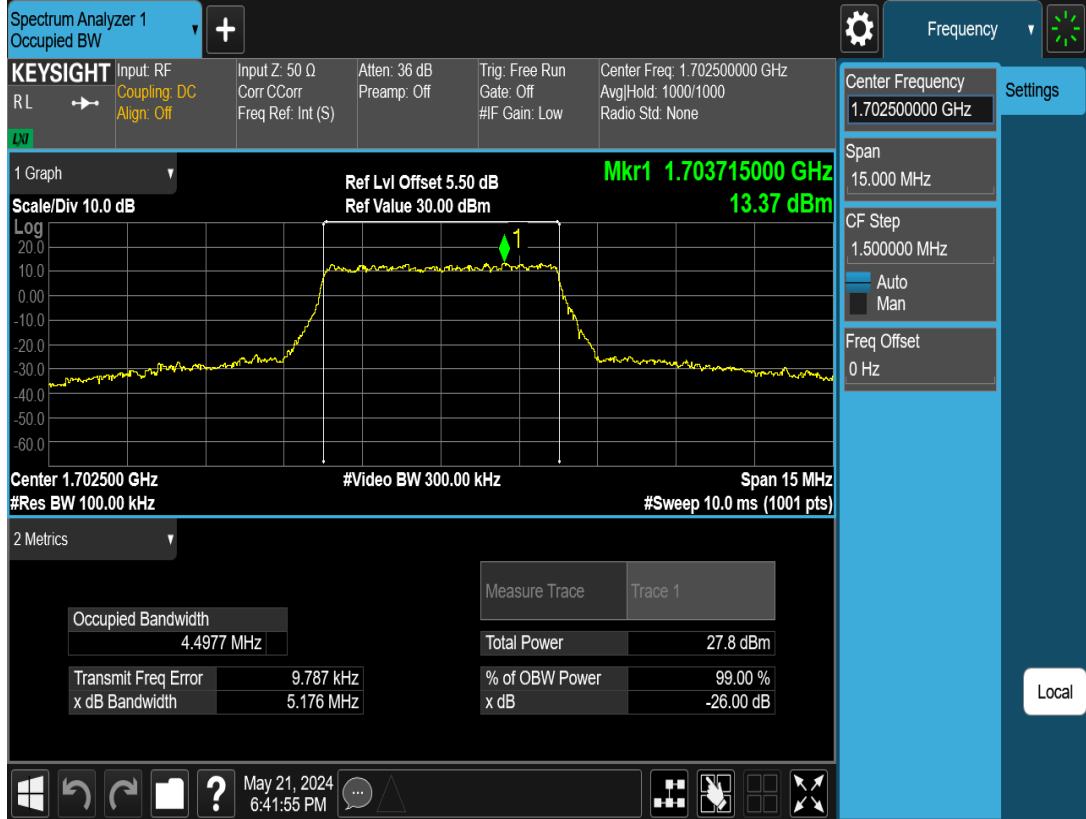
N70-5M-OBW-M-CP-OFDM-QPSK



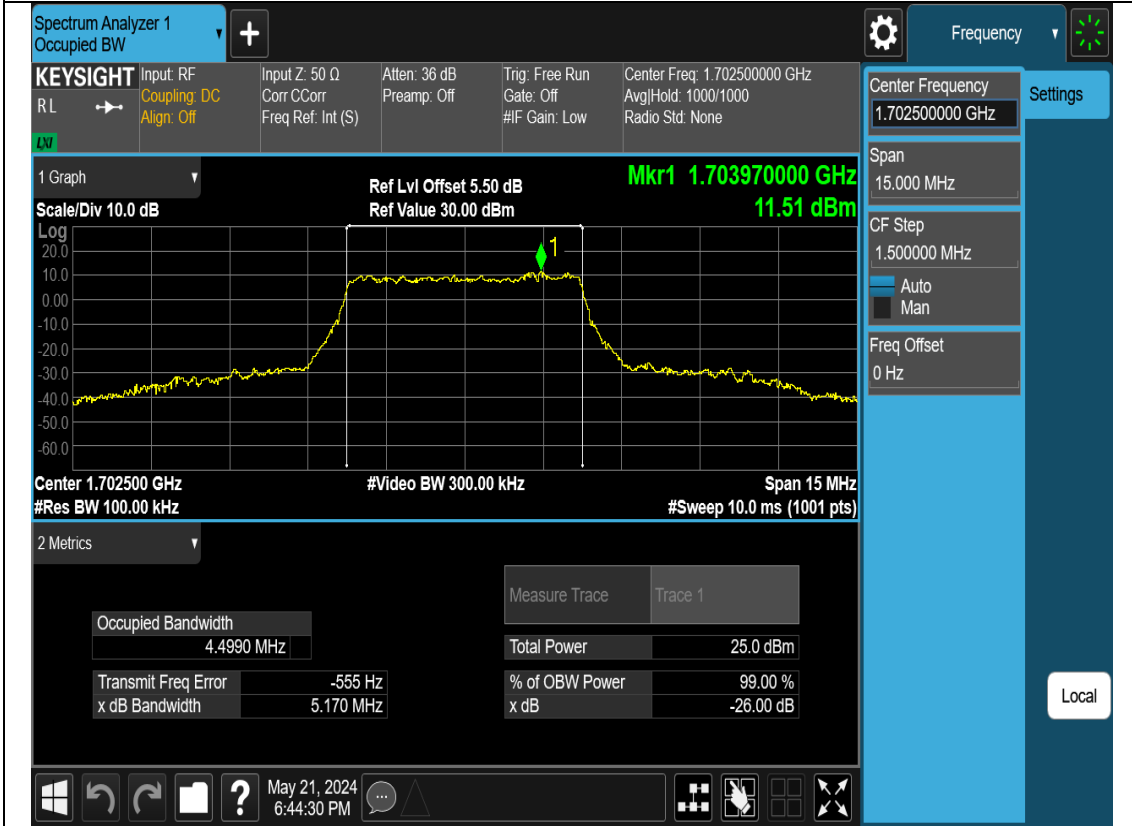
N70-5M-OBW-M-CP-OFDM-16QAM



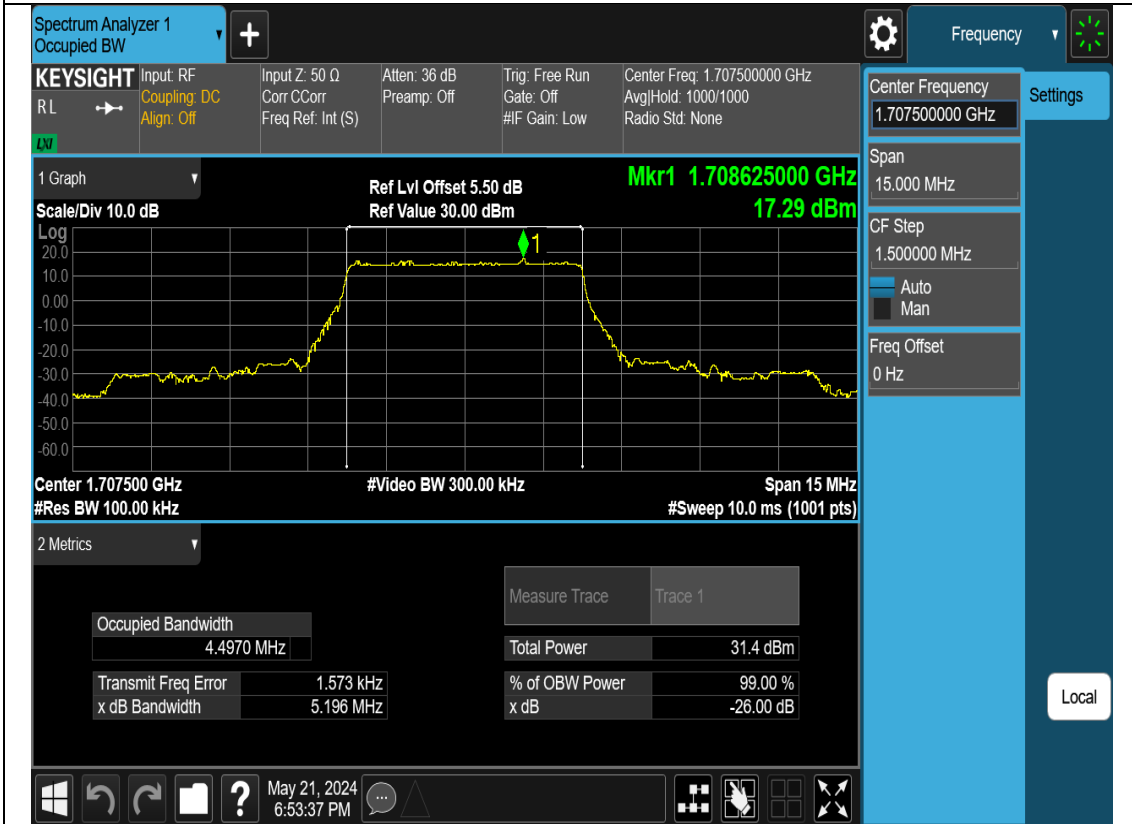
N70-5M-OBW-M-CP-OFDM-64QAM



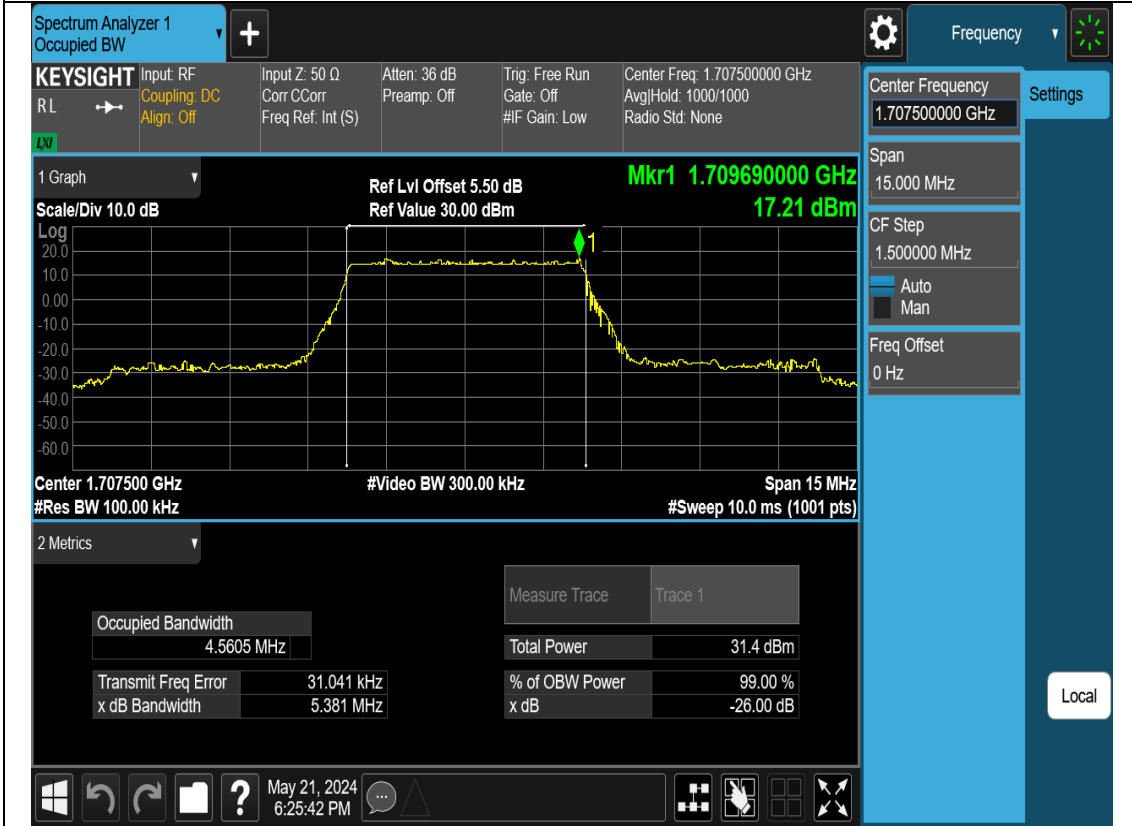
N70-5M-OBW-M-CP-OFDM-256QAM



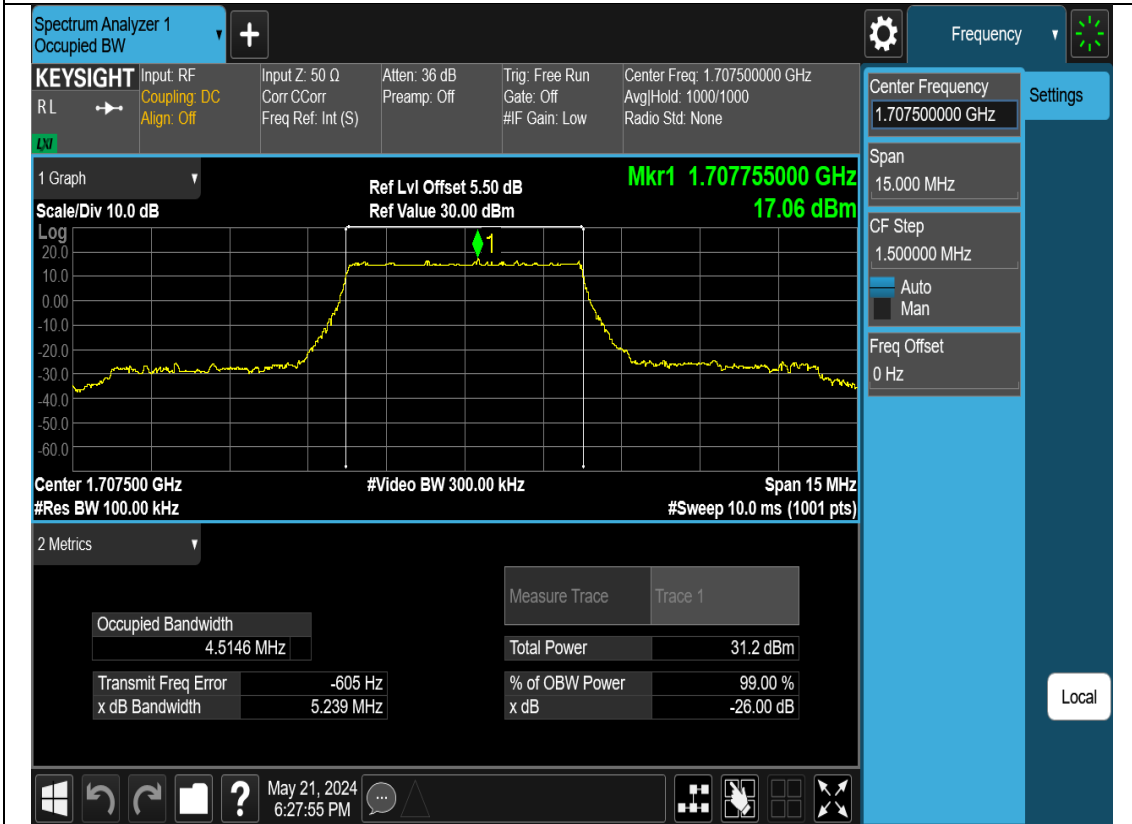
N70-5M-OBW-H-DFT-s-OFDM-Pi2 BPSK



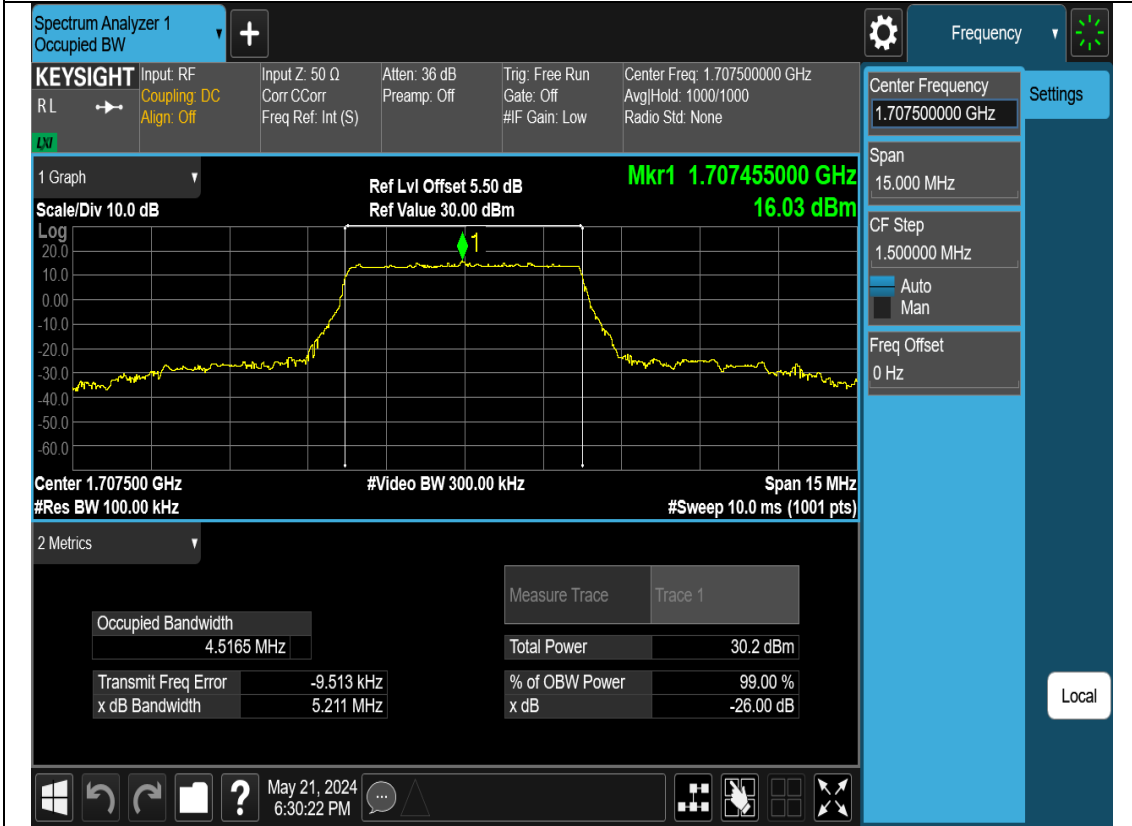
N70-5M-OBW-H-DFT-s-OFDM-QPSK



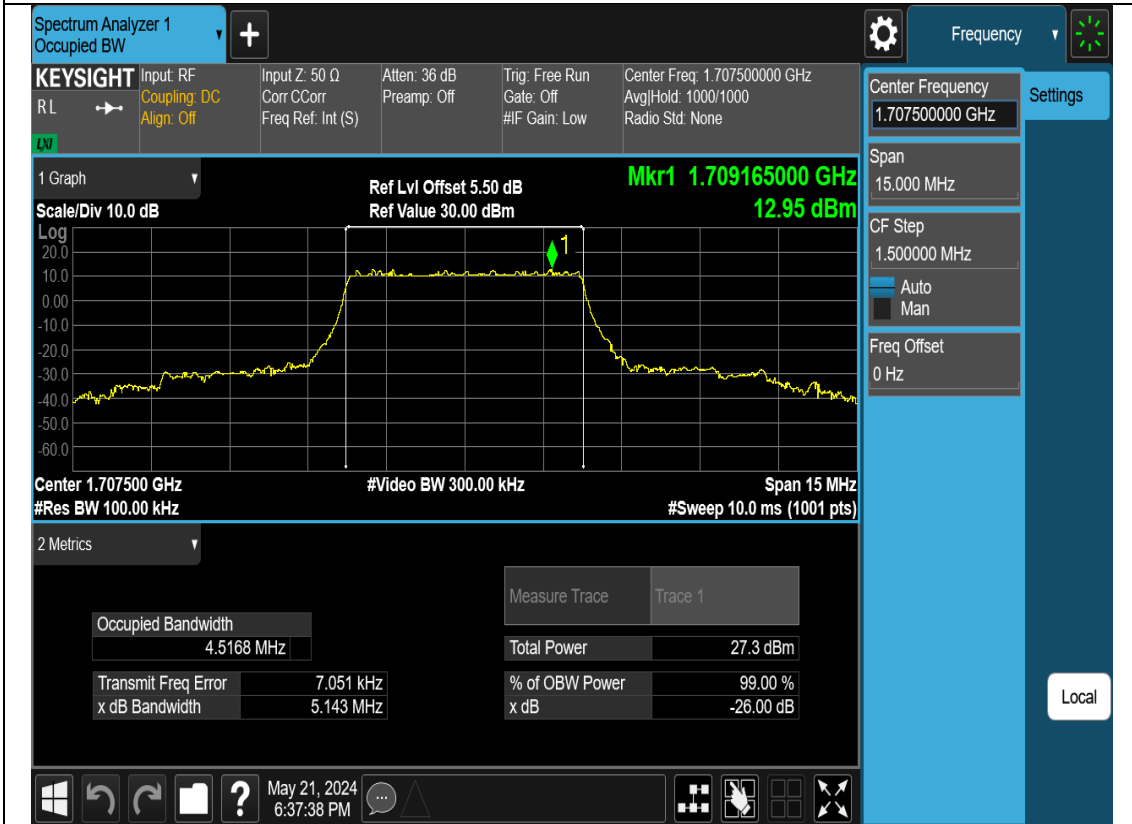
N70-5M-OBW-H-DFT-s-OFDM-16QAM



N70-5M-OBW-H-DFT-s-OFDM-64QAM



N70-5M-OBW-H-DFT-s-OFDM-256QAM



N70-5M-OBW-H-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: 1.70750000 GHz
Avg/Hold: 1000/1000
Radio Std: None

Center Frequency: 1.70750000 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 1.706300000 GHz
14.85 dBm

Center 1.707500 GHz
#Res BW 100.00 kHz
#Video BW 300.00 kHz
Span 15 MHz
#Sweep 10.0 ms (1001 pts)

2 Metrics

Occupied Bandwidth	4.5153 MHz	Total Power	28.6 dBm
Transmit Freq Error	10.841 kHz	% of OBW Power	99.00 %
x dB Bandwidth	5.251 MHz	x dB	-26.00 dB

May 21, 2024 7:06:33 PM

N70-5M-OBW-H-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: 1.70750000 GHz
Avg/Hold: 1000/1000
Radio Std: None

Center Frequency: 1.70750000 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 1.709405000 GHz
13.38 dBm

Center 1.707500 GHz
#Res BW 100.00 kHz
#Video BW 300.00 kHz
Span 15 MHz
#Sweep 10.0 ms (1001 pts)

2 Metrics

Occupied Bandwidth	4.5471 MHz	Total Power	28.4 dBm
Transmit Freq Error	9.262 kHz	% of OBW Power	99.00 %
x dB Bandwidth	5.311 MHz	x dB	-26.00 dB

May 21, 2024 6:40:13 PM

N70-5M-OBW-H-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: 1.70750000 GHz
Avg/Hold: 1000/1000
Radio Std: None

Center Frequency: 1.70750000 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 1.708370000 GHz
13.12 dBm

Center 1.707500 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	4.4973 MHz	Total Power	27.9 dBm
Transmit Freq Error	4.962 kHz	% of OBW Power	99.00 %
x dB Bandwidth	5.278 MHz	x dB	-26.00 dB

May 21, 2024 6:42:47 PM

N70-5M-OBW-H-CP-OFDM-256QAM

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: 1.70750000 GHz
Avg/Hold: 1000/1000
Radio Std: None

Center Frequency: 1.70750000 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 1.708985000 GHz
11.41 dBm

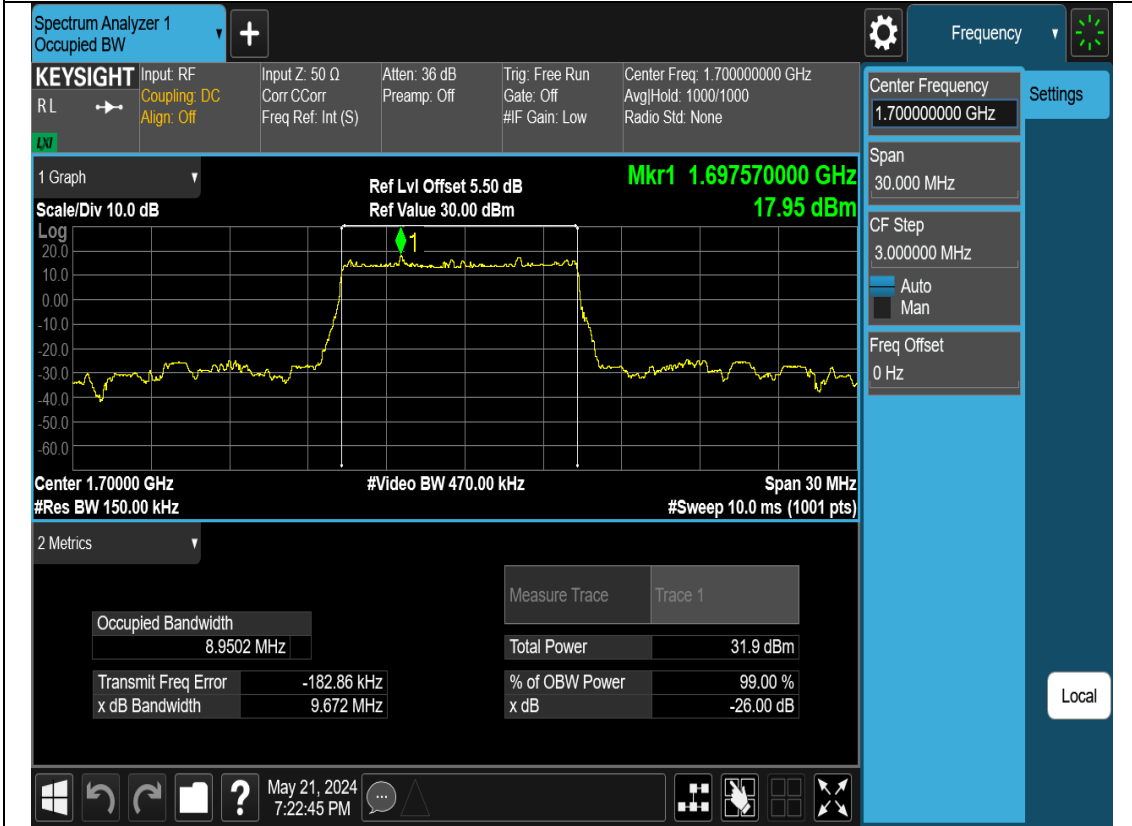
Center 1.707500 GHz
#Res BW 100.00 kHz
#Video BW 300.00 kHz
Span 15 MHz
#Sweep 10.0 ms (1001 pts)

2 Metrics

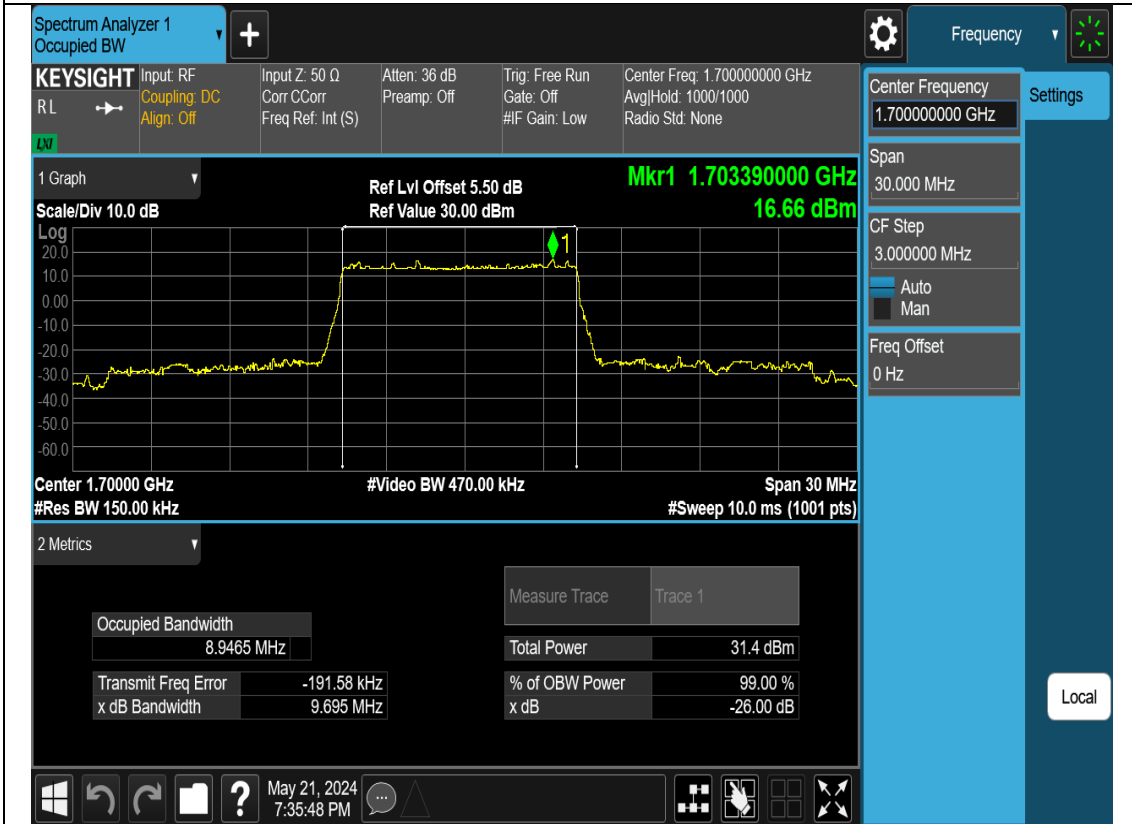
Measure Trace		Trace 1	
Occupied Bandwidth	4.4830 MHz	Total Power	25.0 dBm
Transmit Freq Error	-6.280 kHz	% of OBW Power	99.00 %
x dB Bandwidth	5.055 MHz	x dB	-26.00 dB

May 21, 2024 6:45:29 PM

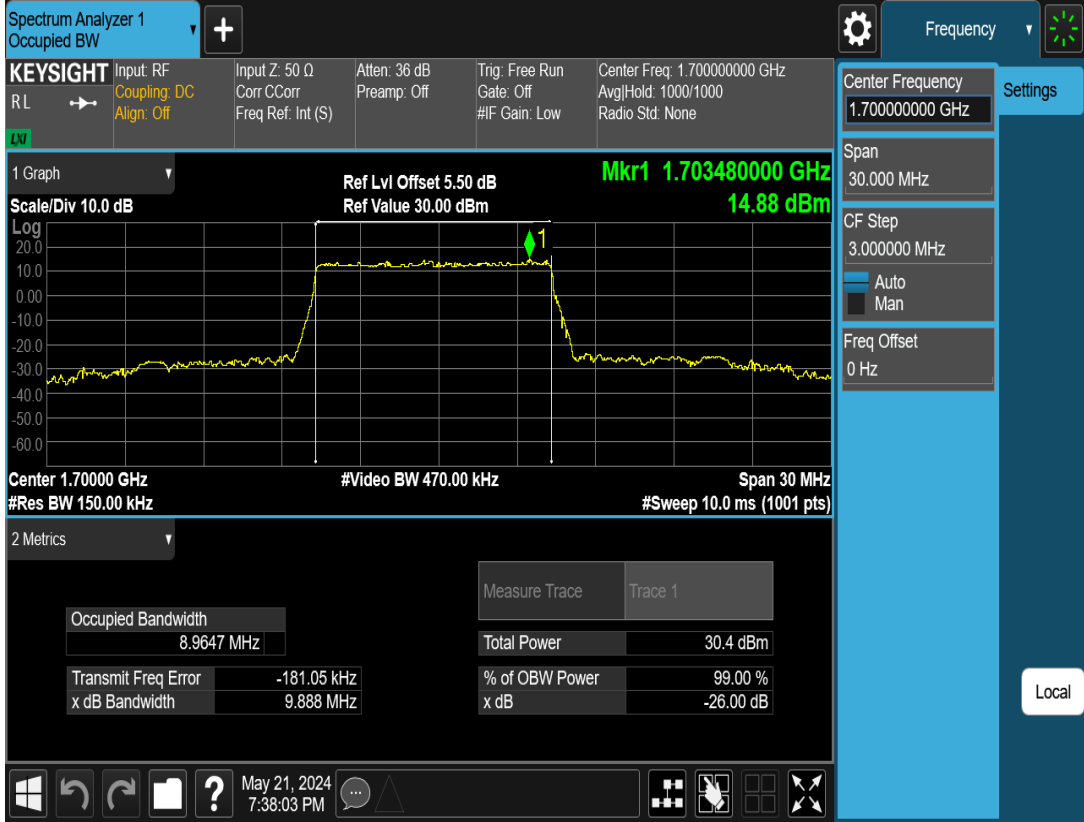
N70-10M-OBW-L-DFT-s-OFDM-Pi2 BPSK



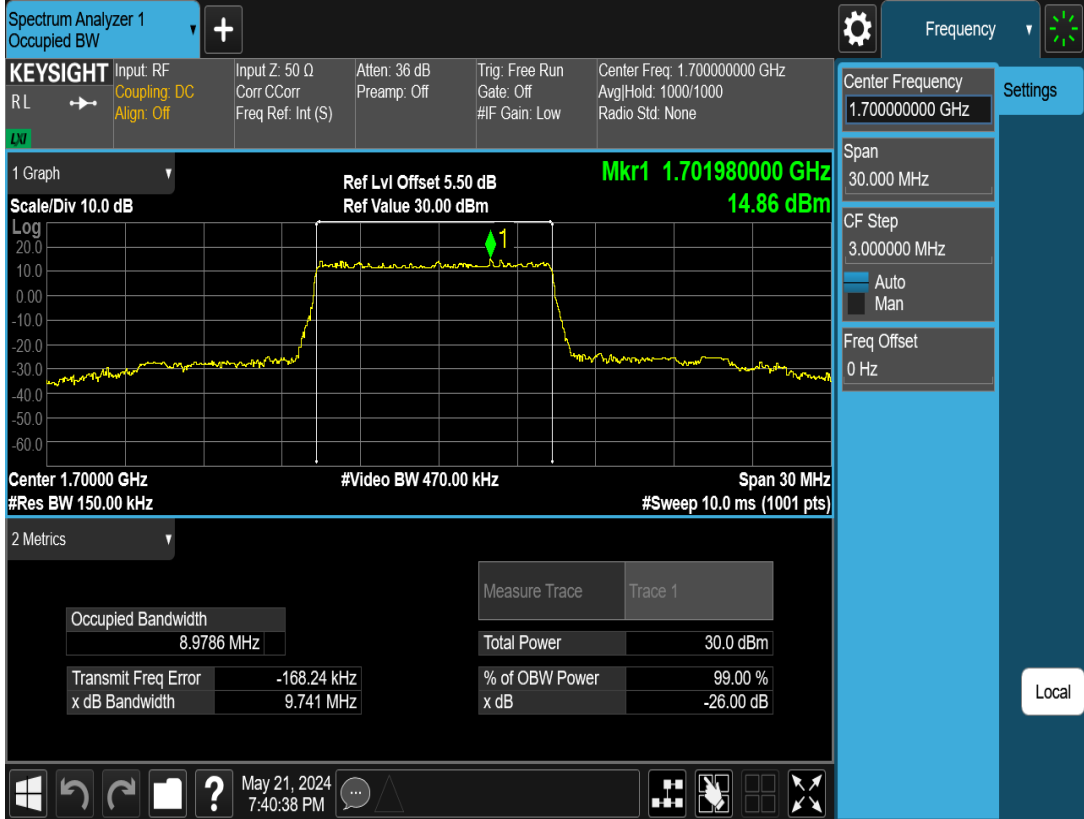
N70-10M-OBW-L-DFT-s-OFDM-QPSK



N70-10M-OBW-L-DFT-s-OFDM-16QAM



N70-10M-OBW-L-DFT-s-OFDM-64QAM



N70-10M-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: 1.700000000 GHz
 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 1.704110000 GHz
 Ref Value 30.00 dBm 13.07 dBm

Center 1.70000 GHz #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	8.9717 MHz	Total Power	28.0 dBm
Transmit Freq Error	-179.54 kHz	% of OBW Power	99.00 %
x dB Bandwidth	9.763 MHz	x dB	-26.00 dB

May 21, 2024 7:43:13 PM

N70-10M-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: 1.700000000 GHz
 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 1.697990000 GHz
 Ref Value 30.00 dBm 13.41 dBm

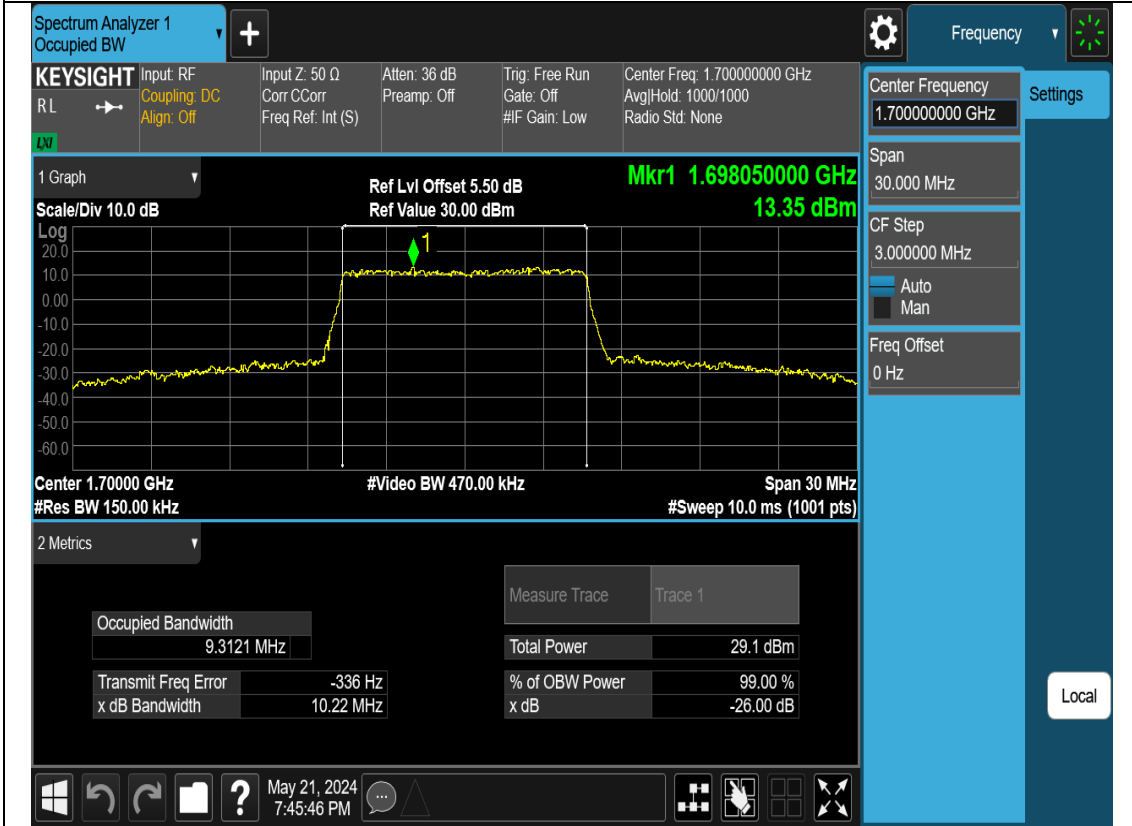
Center 1.70000 GHz #Res BW 150.00 kHz #Video BW 470.00 kHz Span 30 MHz
 #Sweep 10.0 ms (1001 pts)

2 Metrics

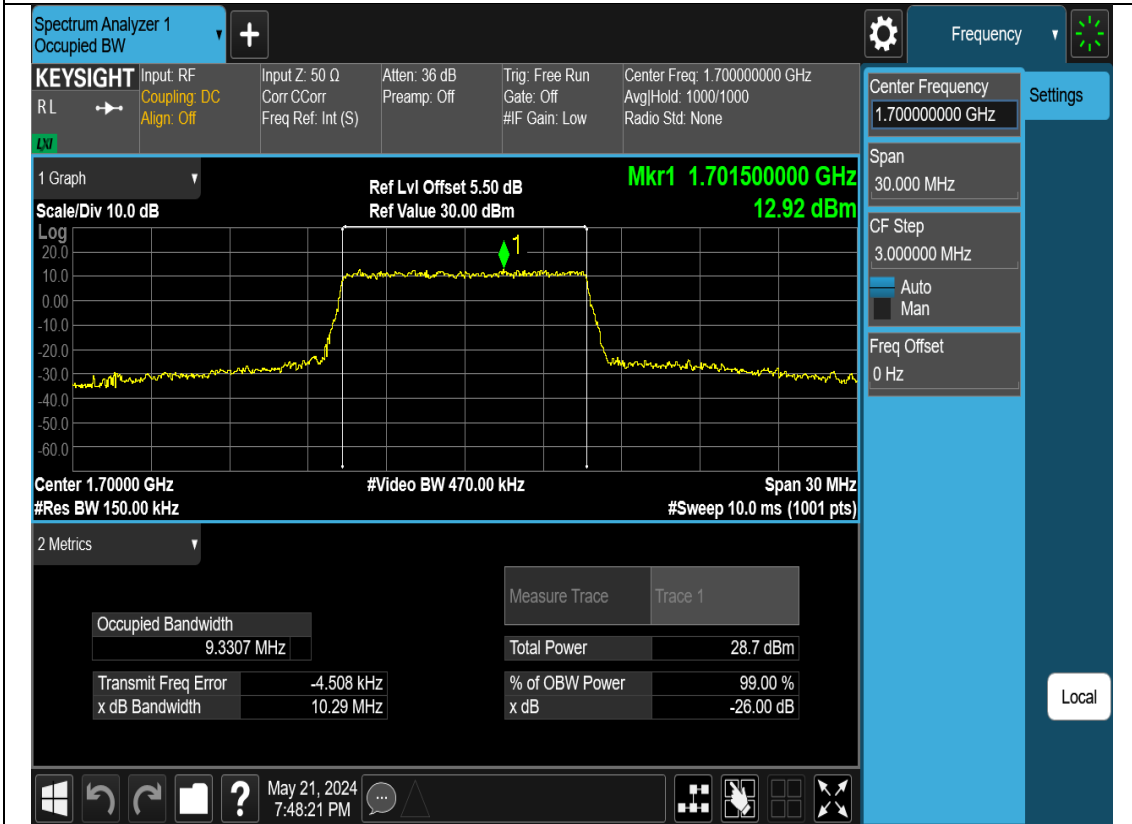
Measure Trace		Trace 1	
Occupied Bandwidth	9.3104 MHz	Total Power	29.1 dBm
Transmit Freq Error	11.498 kHz	% of OBW Power	99.00 %
x dB Bandwidth	10.17 MHz	x dB	-26.00 dB

May 21, 2024 7:10:35 PM

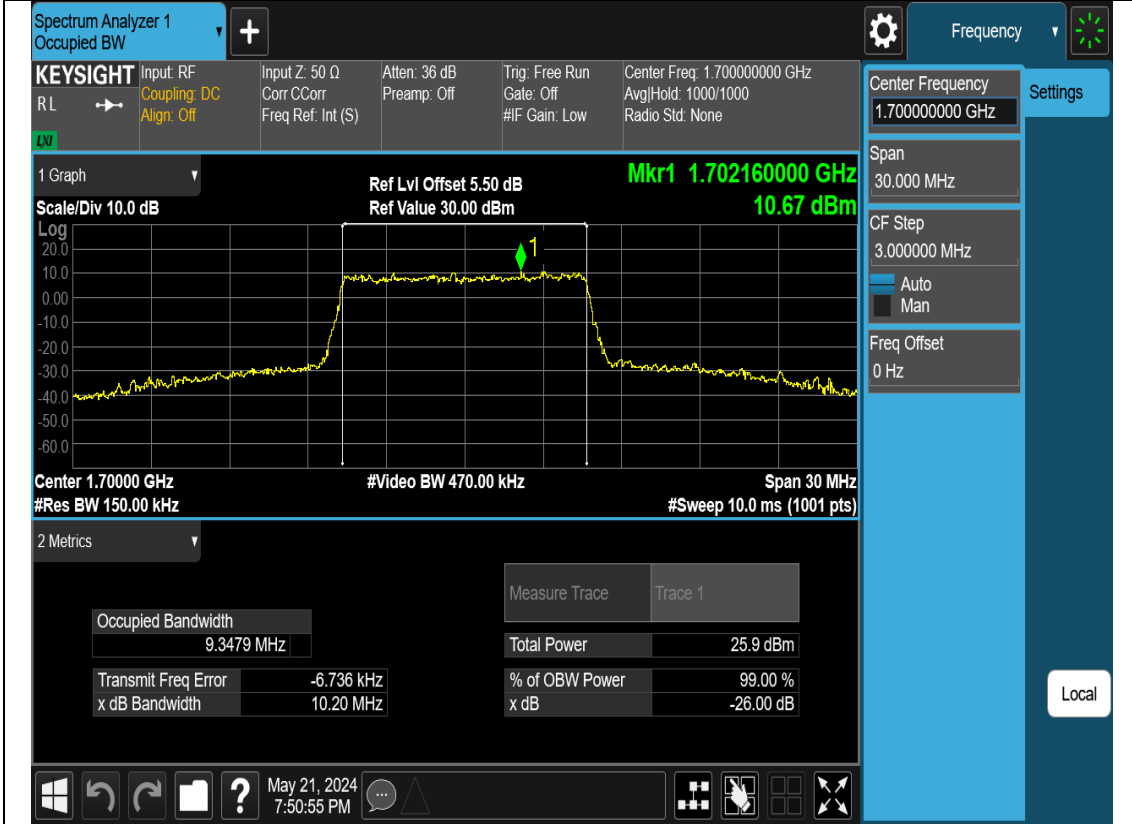
N70-10M-OBW-L-CP-OFDM-16QAM



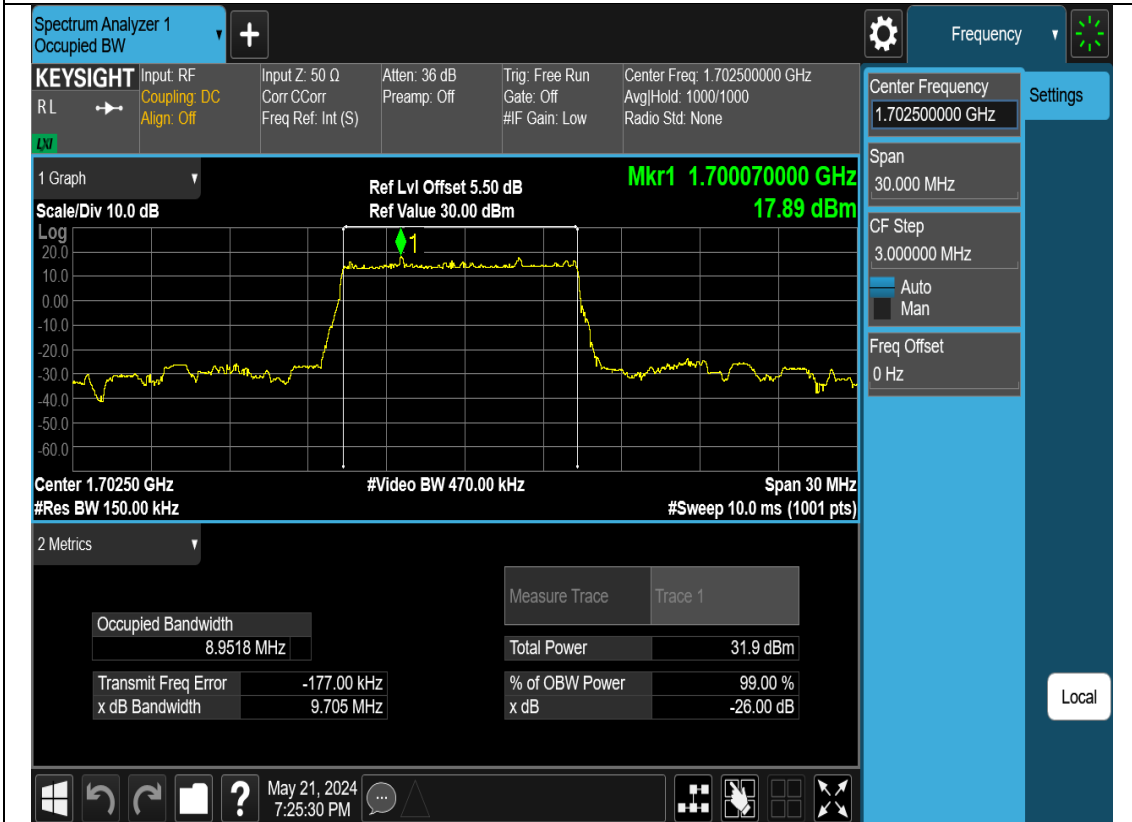
N70-10M-OBW-L-CP-OFDM-64QAM



N70-10M-OBW-L-CP-OFDM-256QAM



N70-10M-OBW-M-DFT-s-OFDM-Pi2 BPSK



N70-10M-OBW-M-DFT-s-OFDM-QPSK

Spectrum Analyzer 1
Occupied BW

KEYSIGHT Input RF
RL Coupling: DC
Align: Off

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: 1.702500000 GHz
Avg/Hold: 1000/1000
Radio Std: None

Center Frequency: 1.702500000 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 1.705860000 GHz
16.72 dBm

Center 1.70250 GHz
#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	8.9572 MHz	Total Power	31.3 dBm
Transmit Freq Error	-191.06 kHz	% of OBW Power	99.00 %
x dB Bandwidth	9.735 MHz	x dB	-26.00 dB

May 21, 2024
7:36:32 PM

Local

N70-10M-OBW-M-DFT-s-OFDM-16QAM

Spectrum Analyzer 1
Occupied BW

KEYSIGHT Input RF
RL Coupling: DC
Align: Off

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: 1.702500000 GHz
Avg/Hold: 1000/1000
Radio Std: None

Center Frequency: 1.702500000 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 1.705980000 GHz
14.81 dBm

Center 1.70250 GHz
#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	8.9740 MHz	Total Power	30.3 dBm
Transmit Freq Error	-170.84 kHz	% of OBW Power	99.00 %
x dB Bandwidth	9.858 MHz	x dB	-26.00 dB

May 21, 2024
7:38:54 PM

Local

N70-10M-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: 1.702500000 GHz
 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 1.704900000 GHz
 Ref Value 30.00 dBm 14.67 dBm

Center 1.70250 GHz #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	8.9674 MHz	Total Power	30.0 dBm
Transmit Freq Error	-168.70 kHz	% of OBW Power	99.00 %
x dB Bandwidth	9.792 MHz	x dB	-26.00 dB

May 21, 2024 7:41:29 PM

N70-10M-OBW-M-DFT-s-OFDM-256QAM

Spectrum Analyzer 1 Occupied BW

KEYSIGHT Input RF Input Z: 50 Ω Atten: 36 dB Trig: Free Run Center Freq: 1.702500000 GHz
 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 1.706610000 GHz
 Ref Value 30.00 dBm 13.17 dBm

Center 1.70250 GHz #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	8.9888 MHz	Total Power	28.0 dBm
Transmit Freq Error	-185.08 kHz	% of OBW Power	99.00 %
x dB Bandwidth	9.772 MHz	x dB	-26.00 dB

May 21, 2024 7:44:04 PM

N70-10M-OBW-M-CP-OFDM-QPSK

Spectrum Analyzer 1
Occupied BW

KEYSIGHT Input RF
RL Coupling: DC
Align: Off

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: 1.702500000 GHz
Avg/Hold: 1000/1000
Radio Std: None

Center Frequency: 1.702500000 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 1.700460000 GHz
13.43 dBm

Center 1.70250 GHz
#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	9.3215 MHz	Total Power	29.1 dBm
Transmit Freq Error	11.818 kHz	% of OBW Power	99.00 %
x dB Bandwidth	10.21 MHz	x dB	-26.00 dB

May 21, 2024 7:13:29 PM

Local

N70-10M-OBW-M-CP-OFDM-16QAM

Spectrum Analyzer 1
Occupied BW

KEYSIGHT Input RF
RL Coupling: DC
Align: Off

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: 1.702500000 GHz
Avg/Hold: 1000/1000
Radio Std: None

Center Frequency: 1.702500000 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 1.705470000 GHz
13.57 dBm

Center 1.70250 GHz
#Res BW 150.00 kHz
#Video BW 470.00 kHz
Span 30 MHz
#Sweep 10.0 ms (1001 pts)

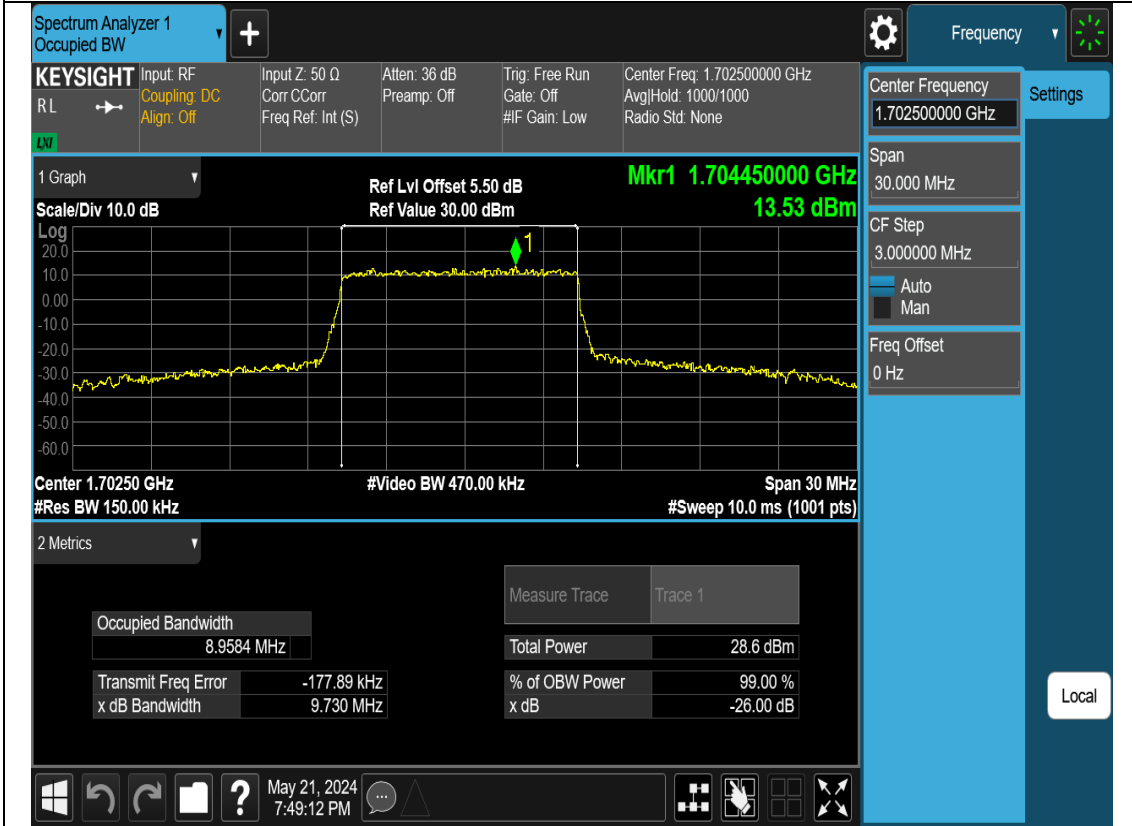
2 Metrics

Measure Trace		Trace 1	
Occupied Bandwidth	8.9588 MHz	Total Power	29.2 dBm
Transmit Freq Error	-181.03 kHz	% of OBW Power	99.00 %
x dB Bandwidth	9.811 MHz	x dB	-26.00 dB

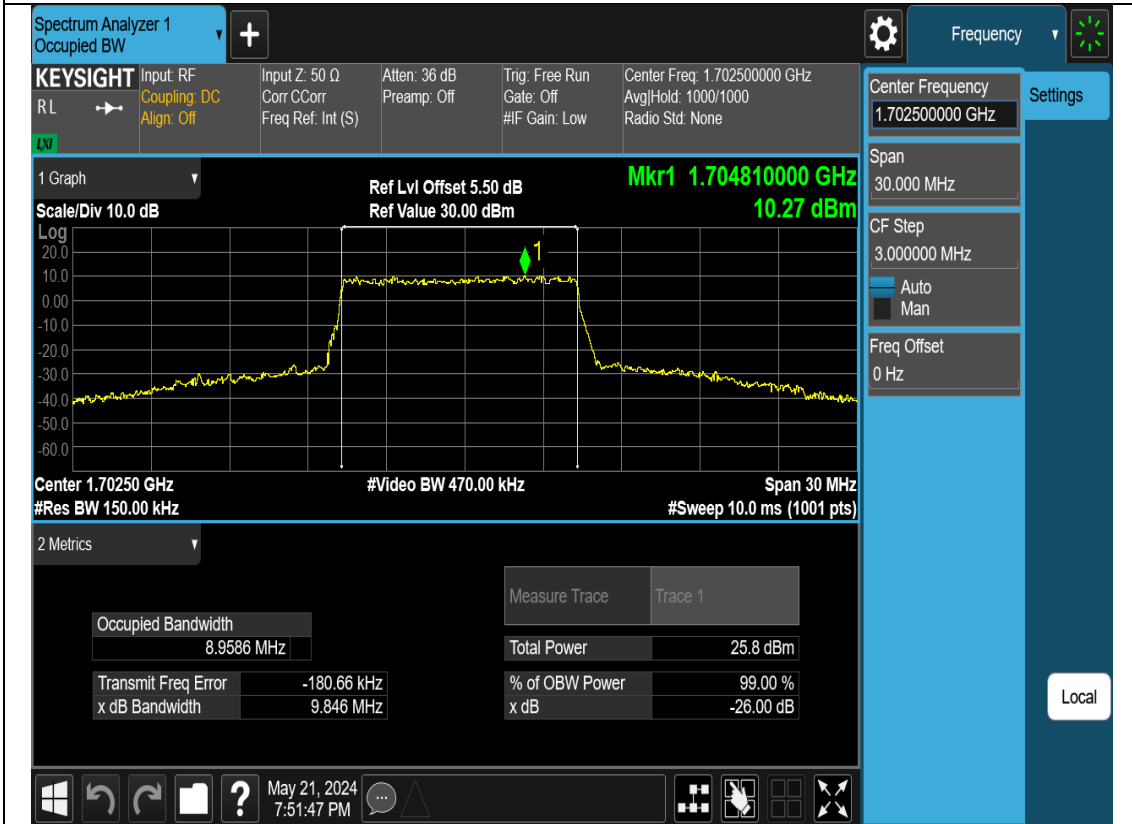
May 21, 2024 7:46:37 PM

Local

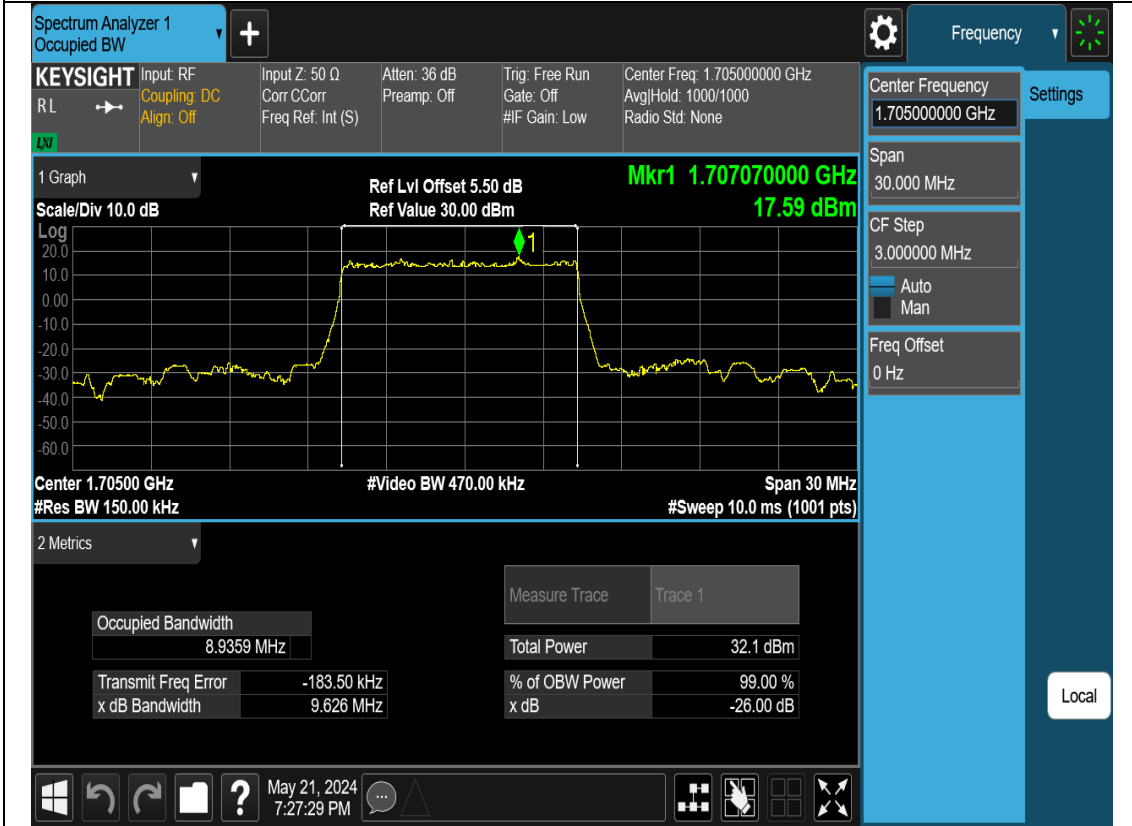
N70-10M-OBW-M-CP-OFDM-64QAM



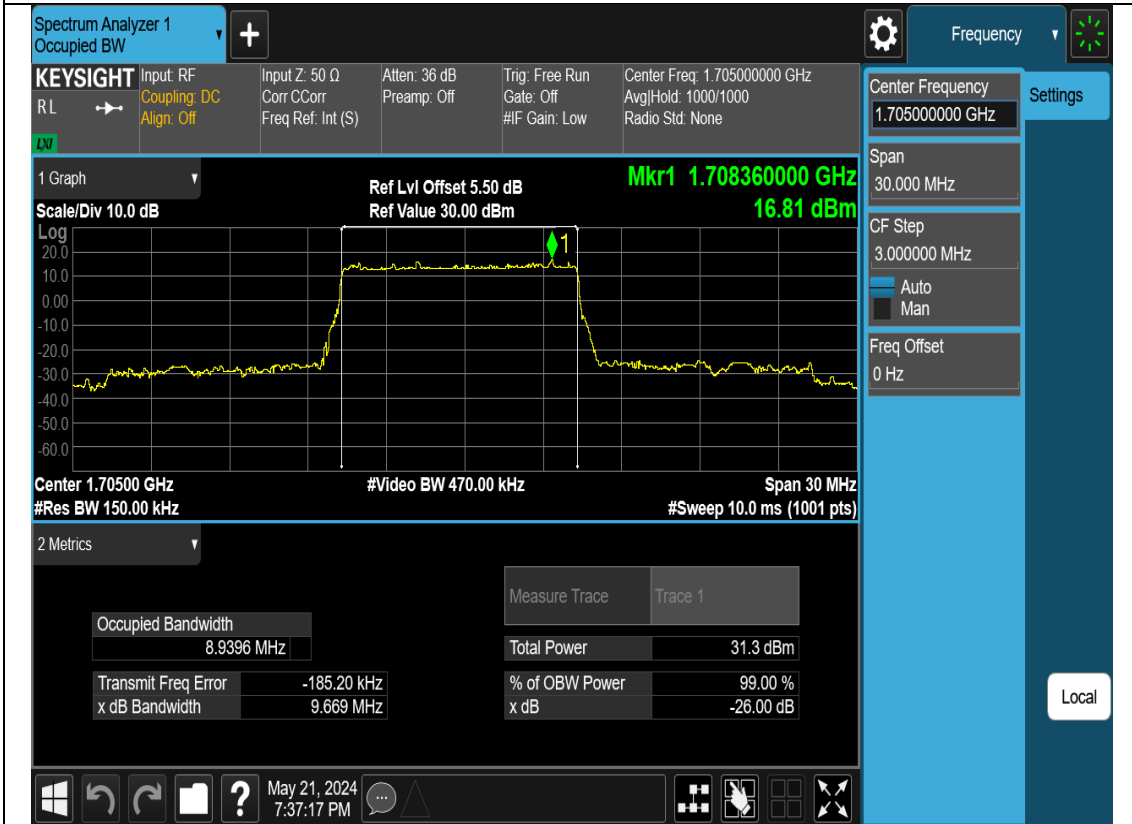
N70-10M-OBW-M-CP-OFDM-256QAM



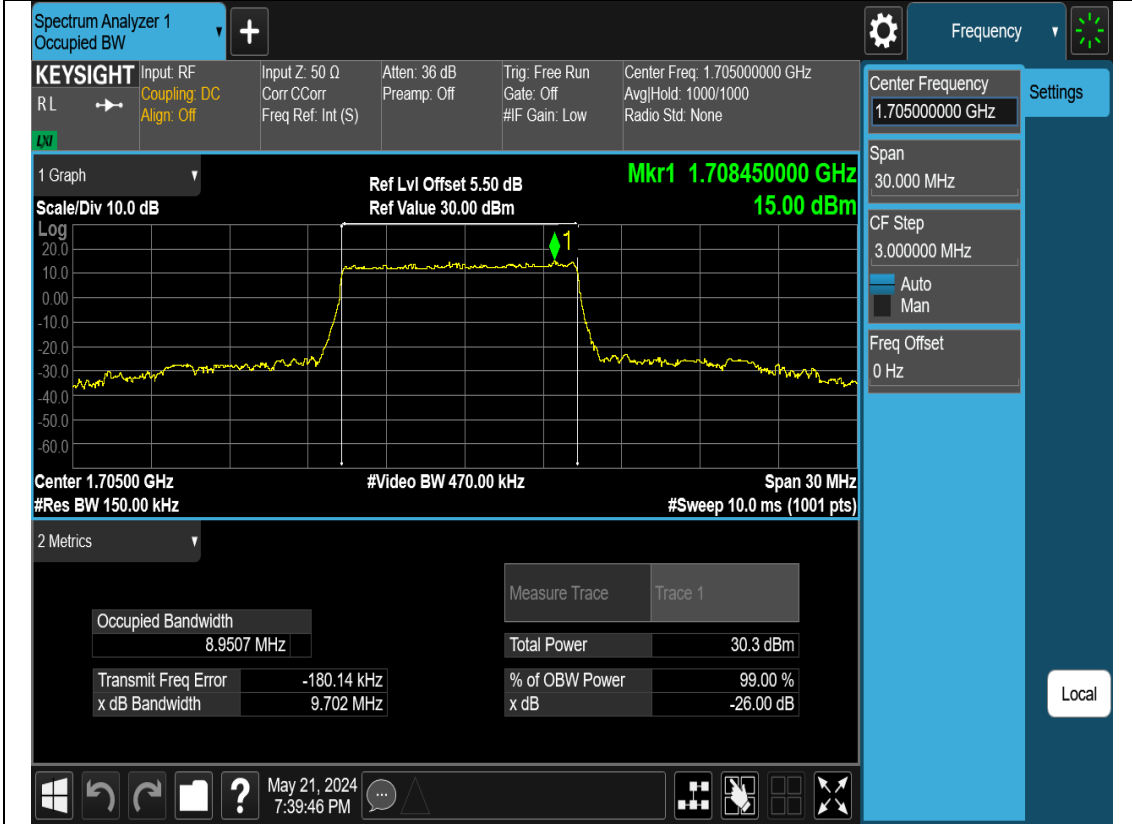
N70-10M-OBW-H-DFT-s-OFDM-Pi2 BPSK



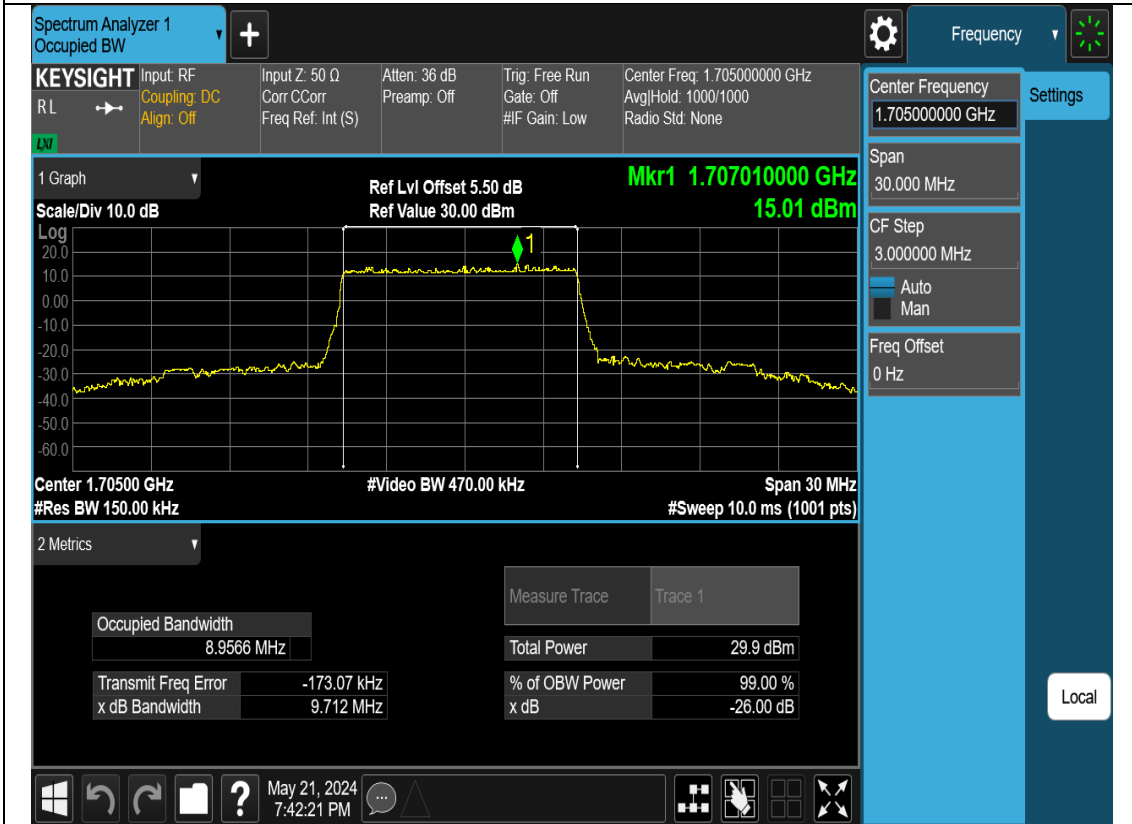
N70-10M-OBW-H-DFT-s-OFDM-QPSK



N70-10M-OBW-H-DFT-s-OFDM-16QAM



N70-10M-OBW-H-DFT-s-OFDM-64QAM



N70-10M-OBW-H-DFT-s-OFDM-256QAM

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: 1.705000000 GHz
Avg/Hold: 1000/1000
Radio Std: None

Center Frequency: 1.705000000 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 1.709140000 GHz
13.12 dBm

Center 1.70500 GHz
#Res BW 150.00 kHz
#Video BW 470.00 kHz
Span 30 MHz
#Sweep 10.0 ms (1001 pts)

2 Metrics

Occupied Bandwidth	8.9863 MHz	Total Power	28.0 dBm
Transmit Freq Error	-177.40 kHz	% of OBW Power	99.00 %
x dB Bandwidth	9.720 MHz	x dB	-26.00 dB

May 21, 2024
7:44:55 PM

Local

N70-10M-OBW-H-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: 1.705000000 GHz
Avg/Hold: 1000/1000
Radio Std: None

Center Frequency: 1.705000000 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 1.707550000 GHz
13.70 dBm

Center 1.70500 GHz
#Res BW 150.00 kHz
#Video BW 470.00 kHz
Span 30 MHz
#Sweep 10.0 ms (1001 pts)

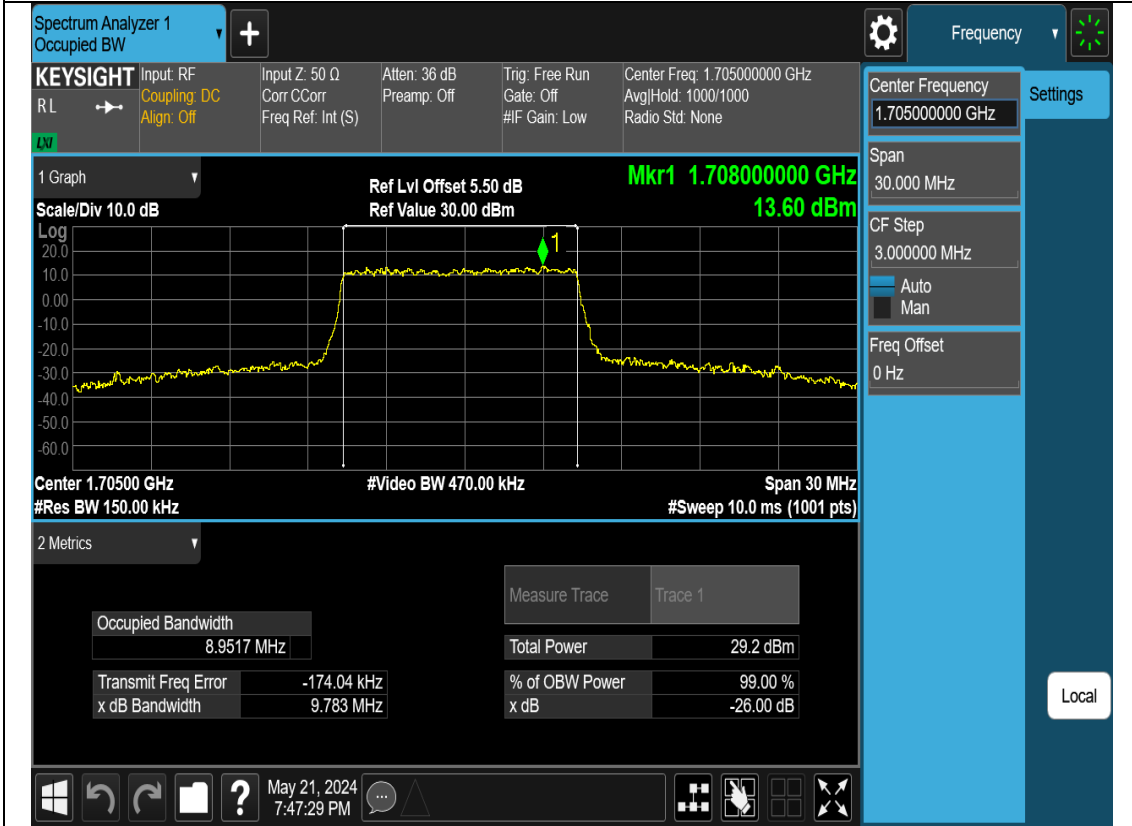
2 Metrics

Occupied Bandwidth	9.3043 MHz	Total Power	29.1 dBm
Transmit Freq Error	4.301 kHz	% of OBW Power	99.00 %
x dB Bandwidth	10.09 MHz	x dB	-26.00 dB

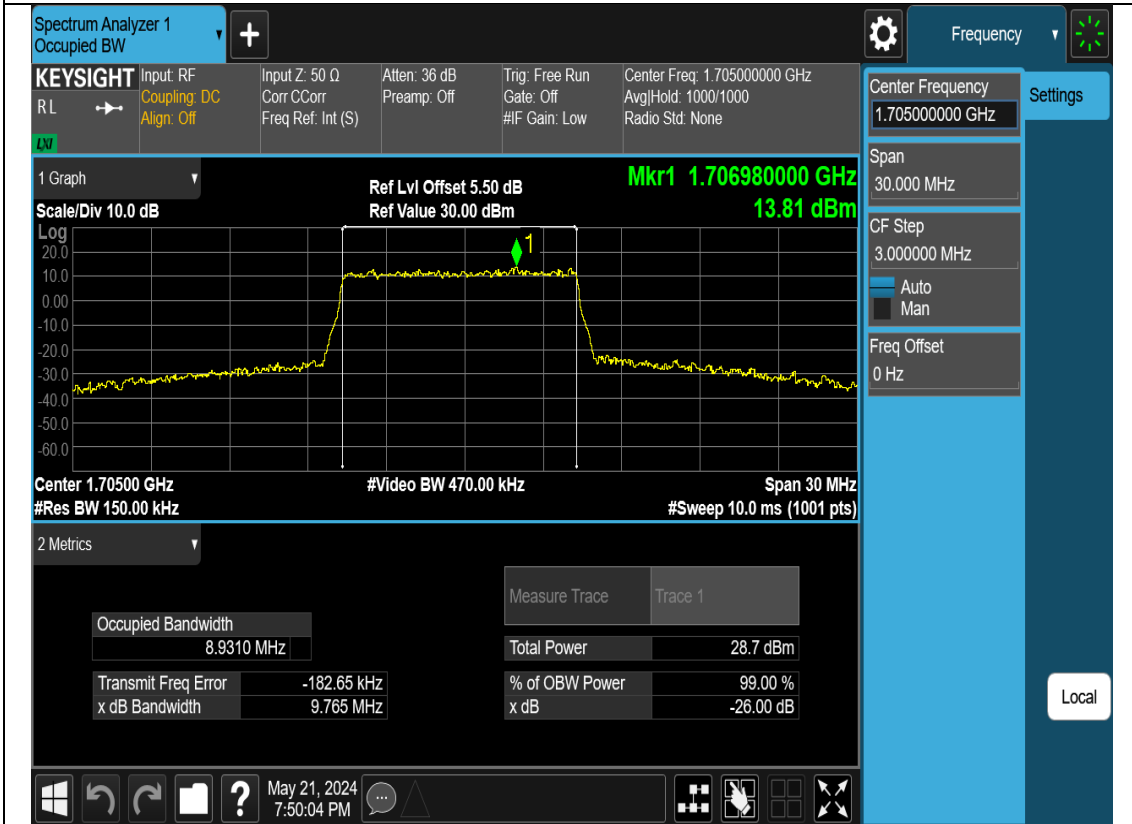
May 21, 2024
7:15:35 PM

Local

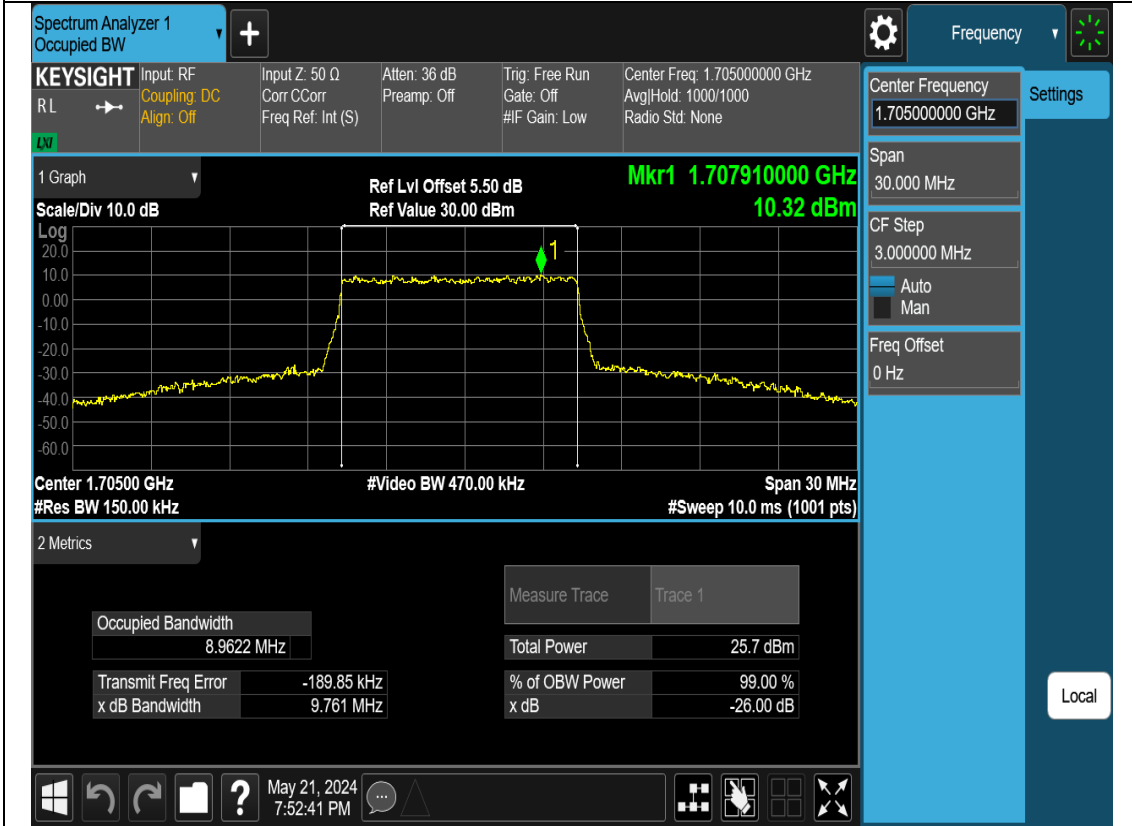
N70-10M-OBW-H-CP-OFDM-16QAM



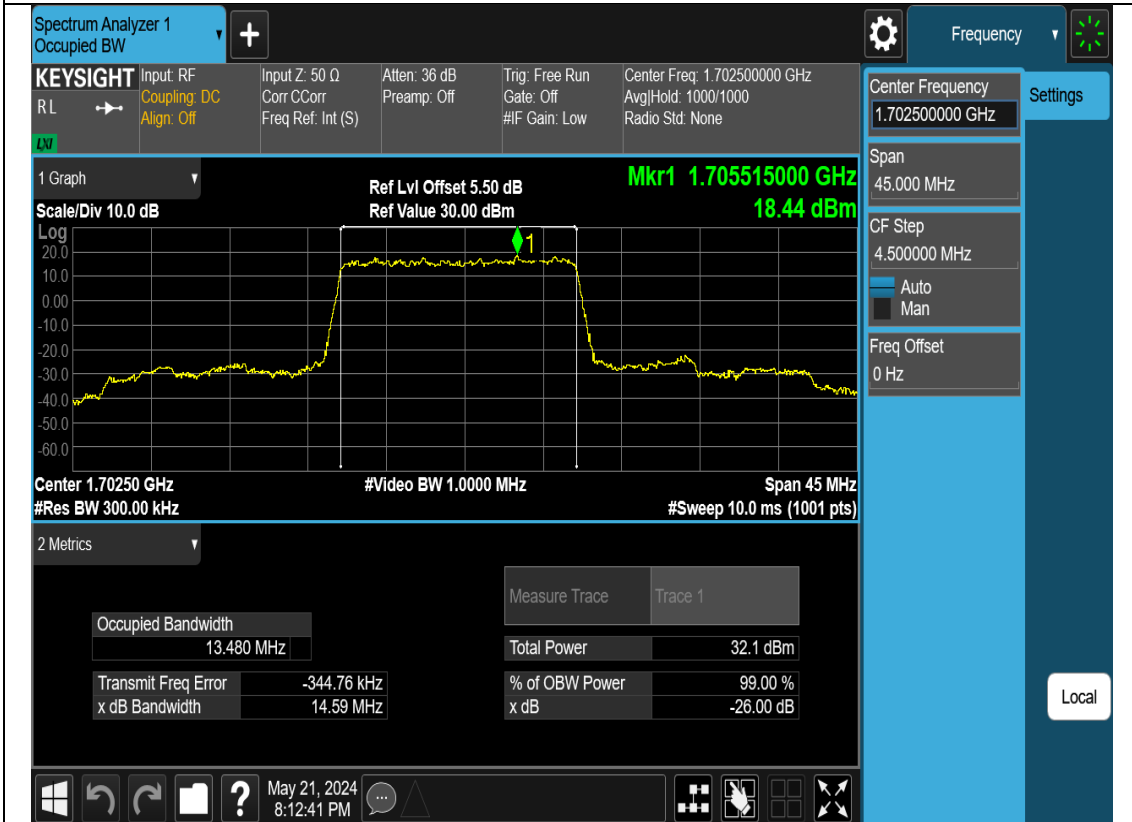
N70-10M-OBW-H-CP-OFDM-64QAM



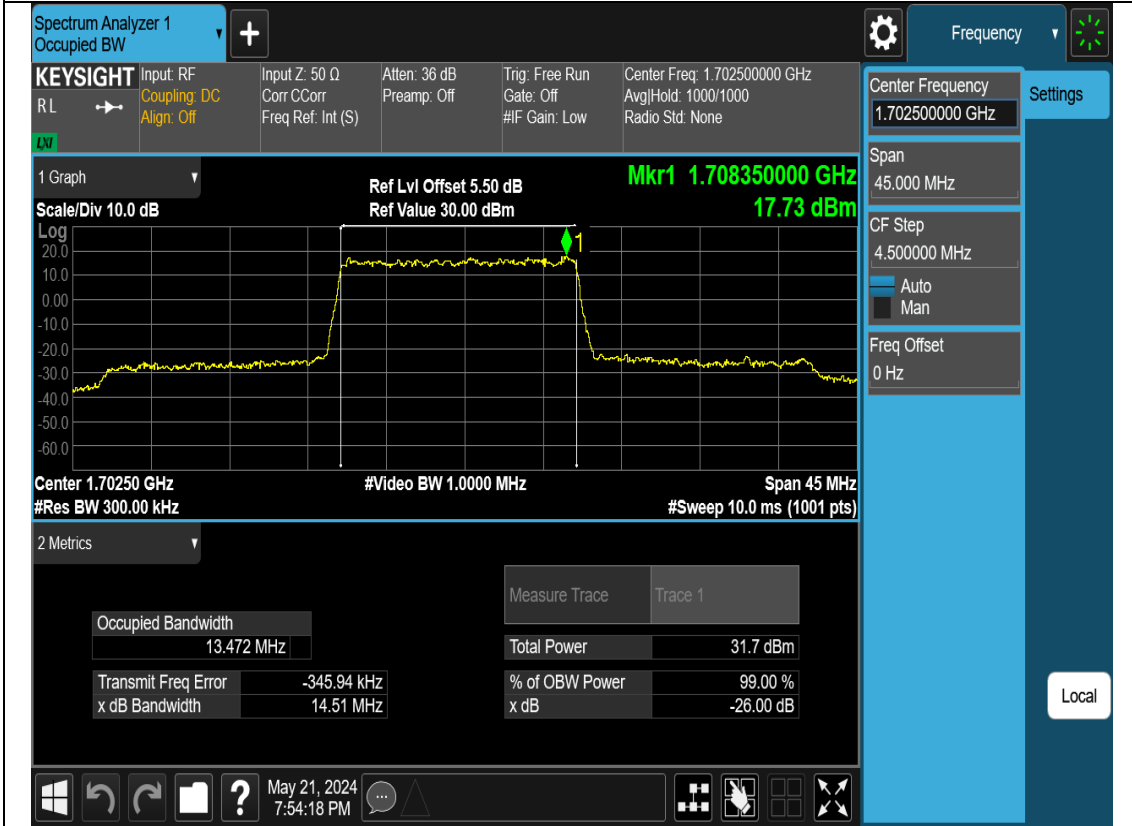
N70-10M-OBW-H-CP-OFDM-256QAM



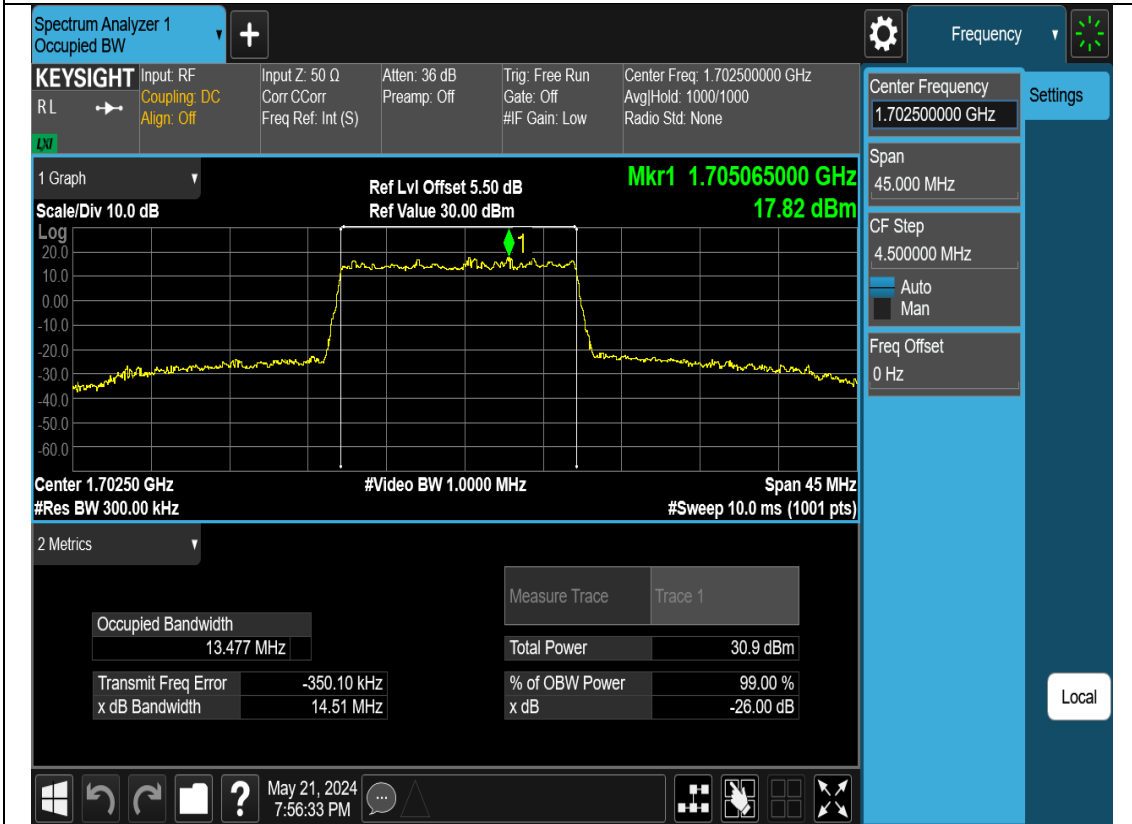
N70-15M-OBW-L-DFT-s-OFDM-Pi2 BPSK



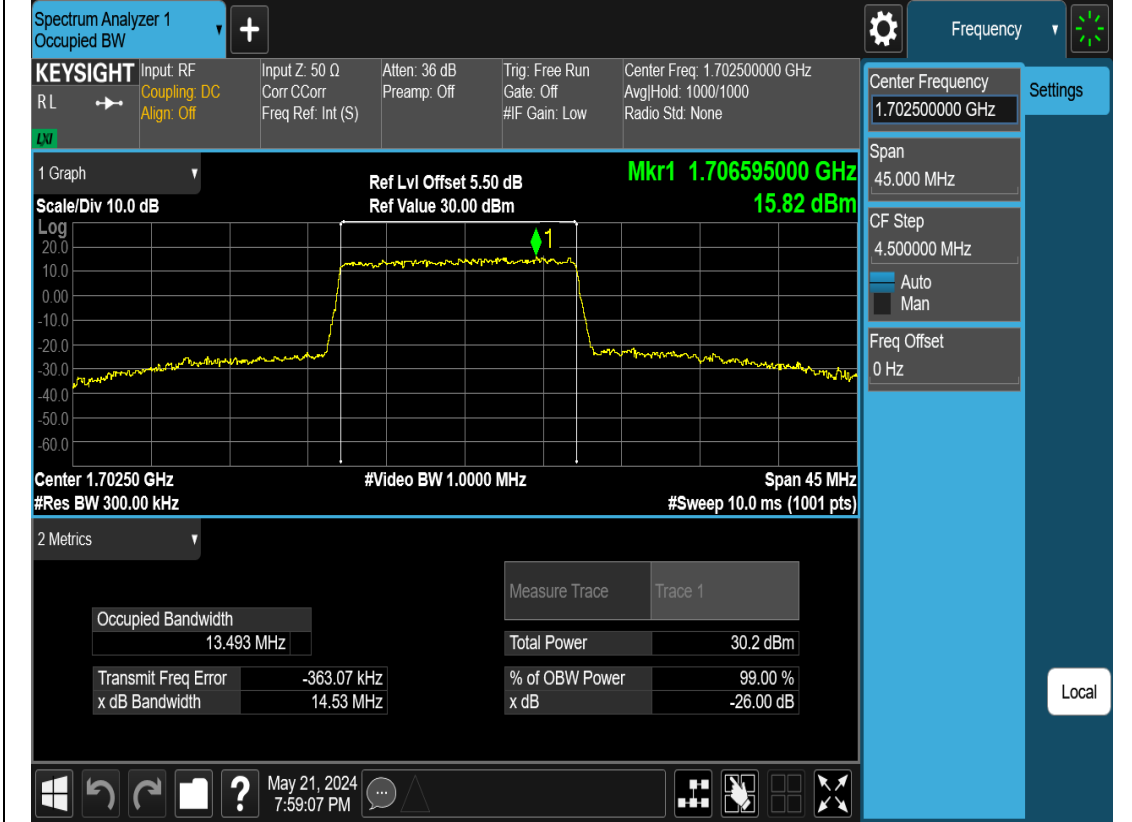
N70-15M-OBW-L-DFT-s-OFDM-QPSK



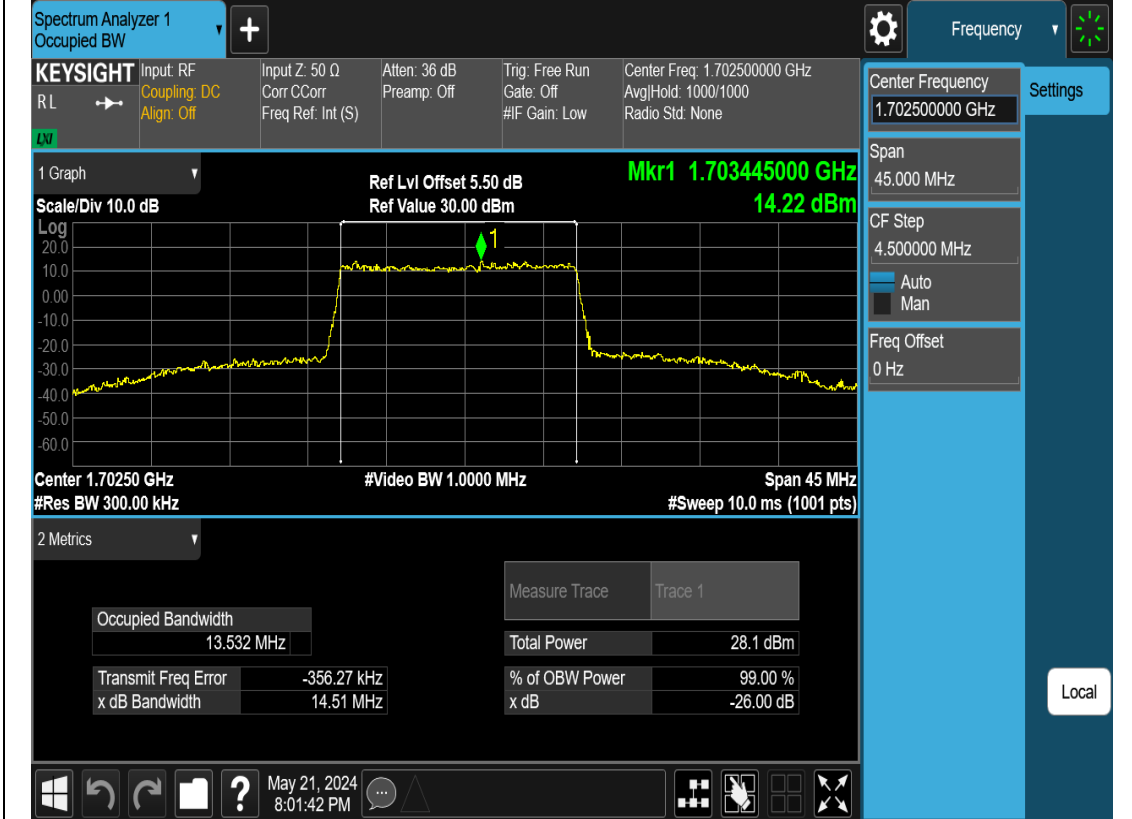
N70-15M-OBW-L-DFT-s-OFDM-16QAM



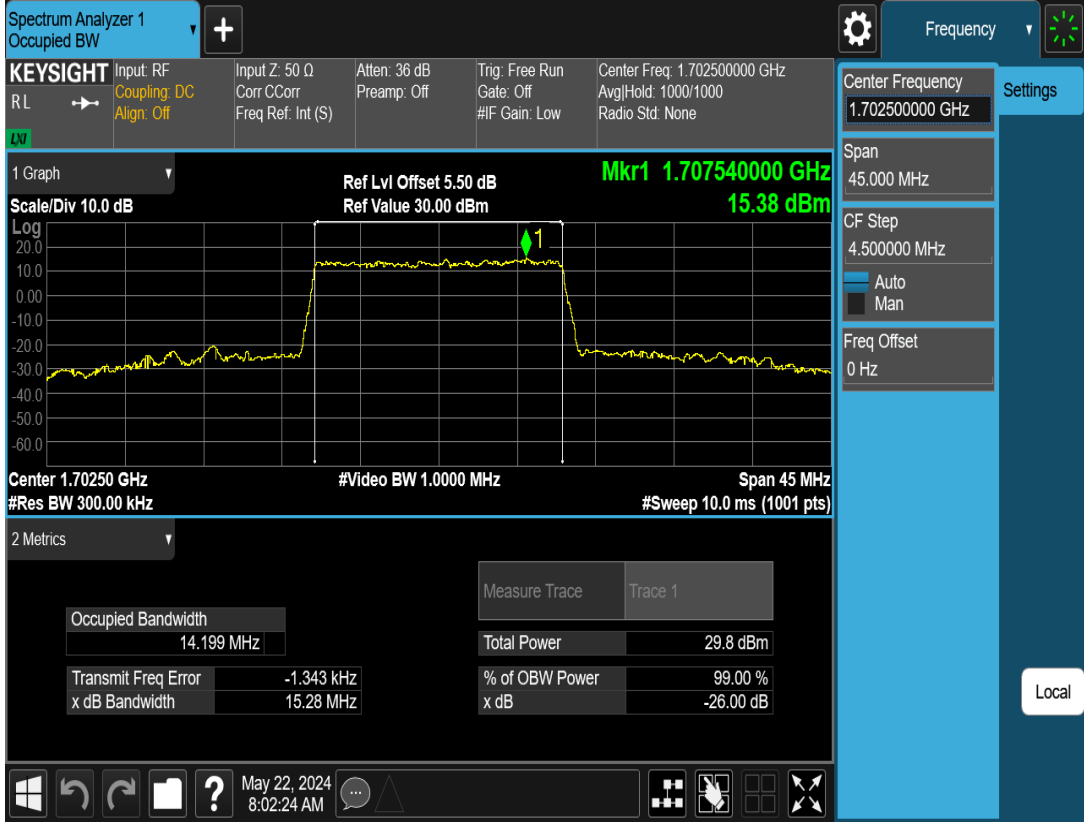
N70-15M-OBW-L-DFT-s-OFDM-64QAM



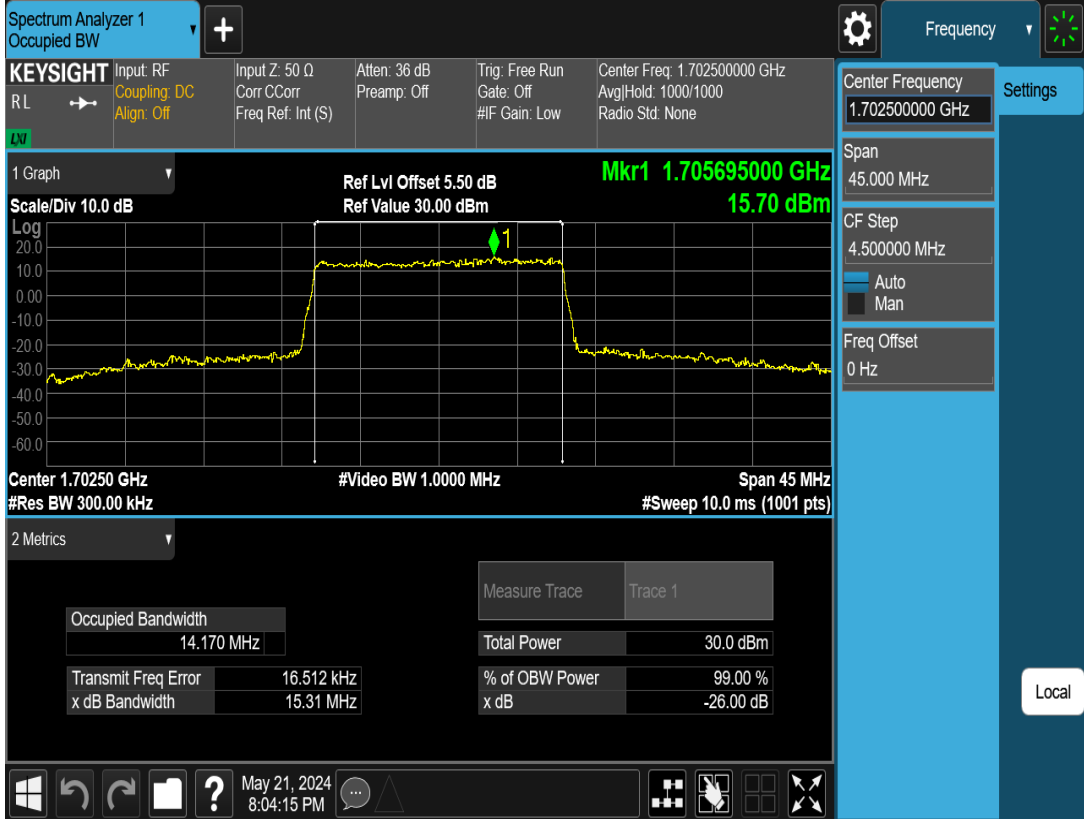
N70-15M-OBW-L-DFT-s-OFDM-256QAM



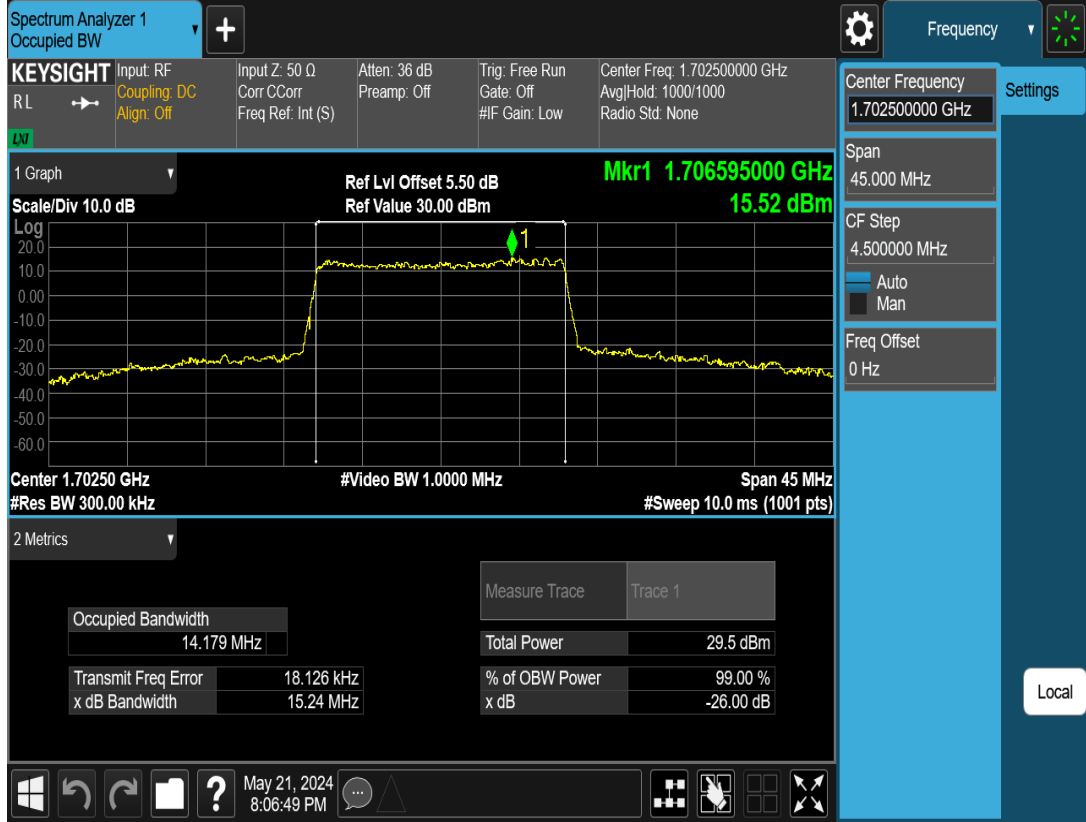
N70-15M-OBW-L-CP-OFDM-QPSK



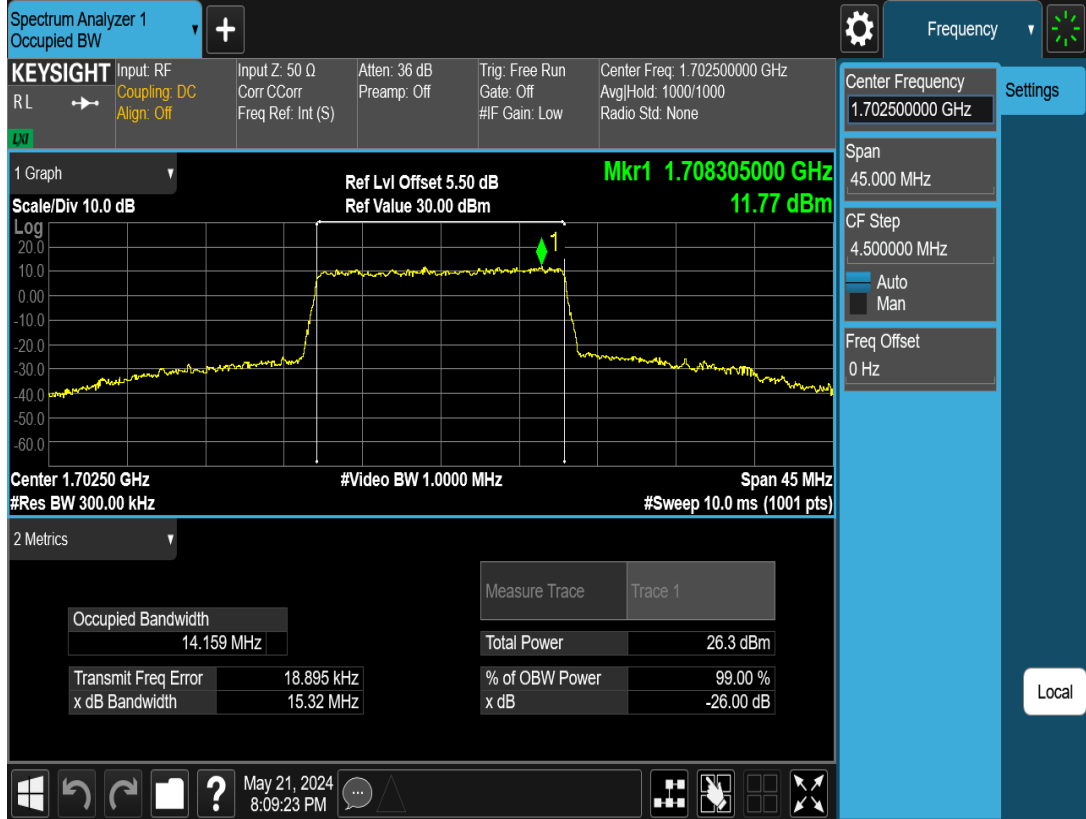
N70-15M-OBW-L-CP-OFDM-16QAM



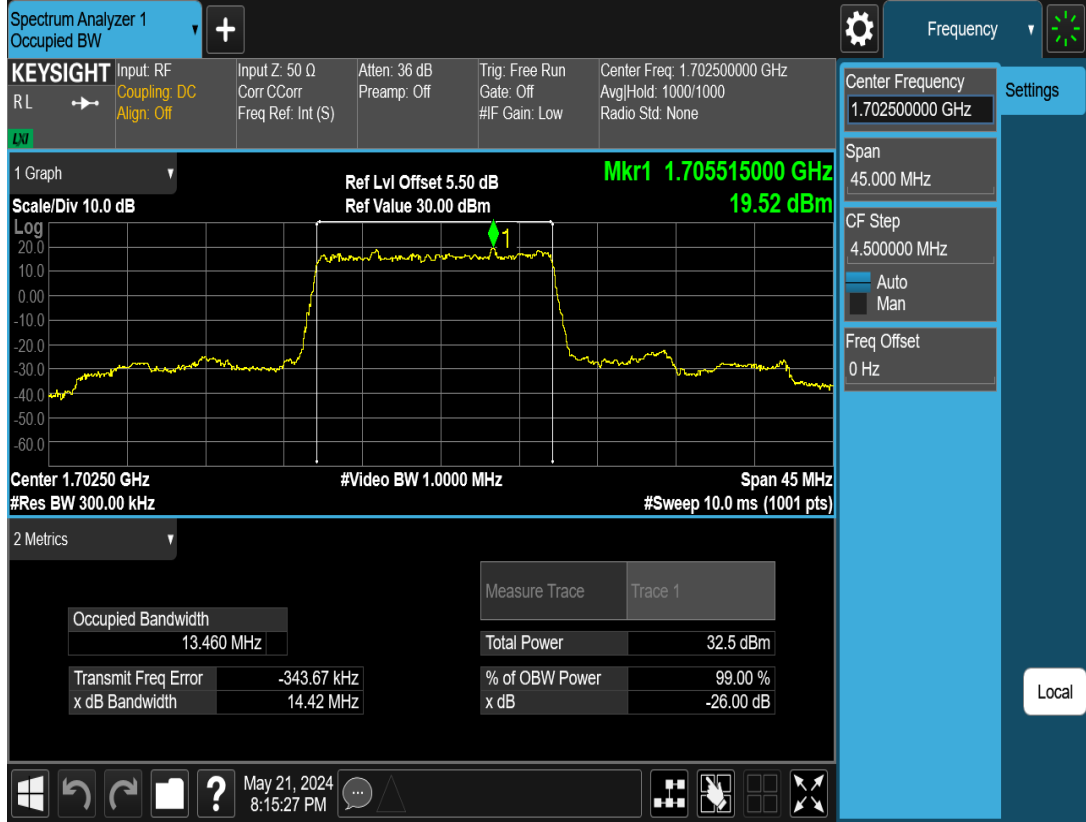
N70-15M-OBW-L-CP-OFDM-64QAM



N70-15M-OBW-L-CP-OFDM-256QAM



N70-15M-OBW-M-DFT-s-OFDM-Pi2 BPSK



N70-15M-OBW-M-DFT-s-OFDM-QPSK

