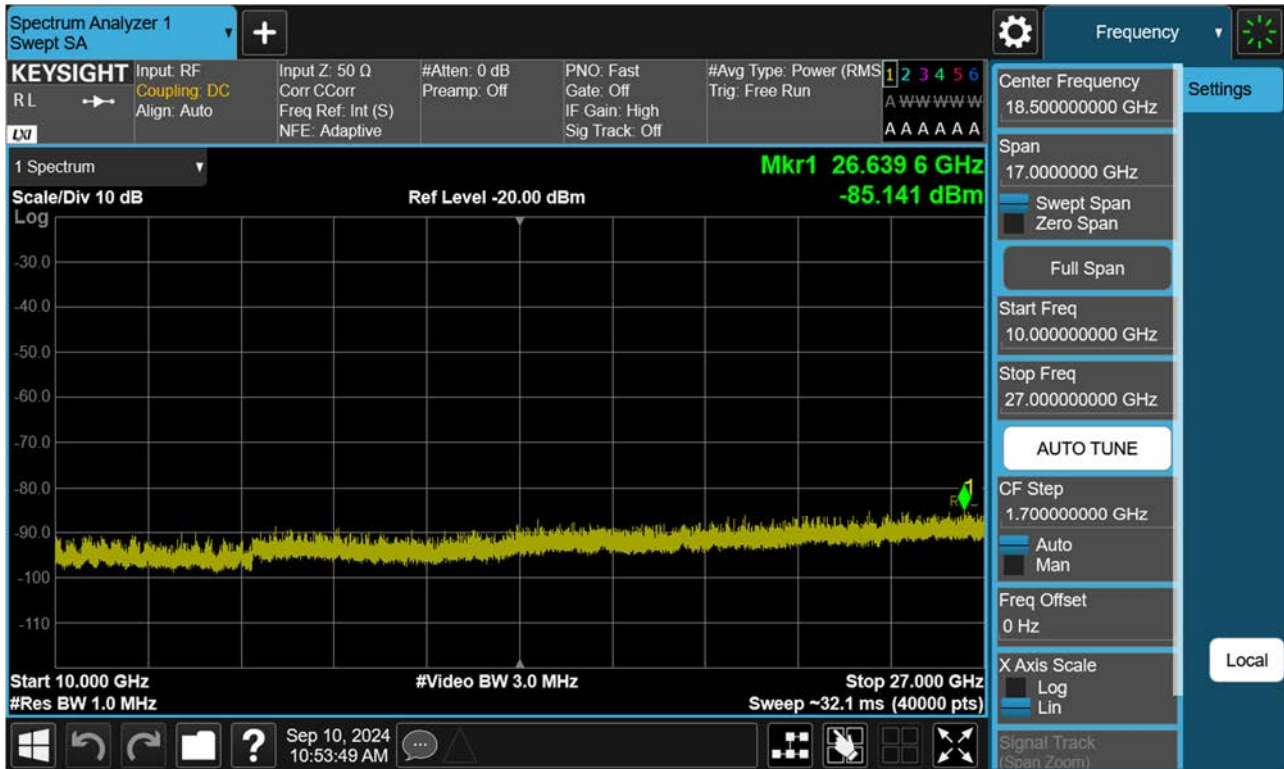
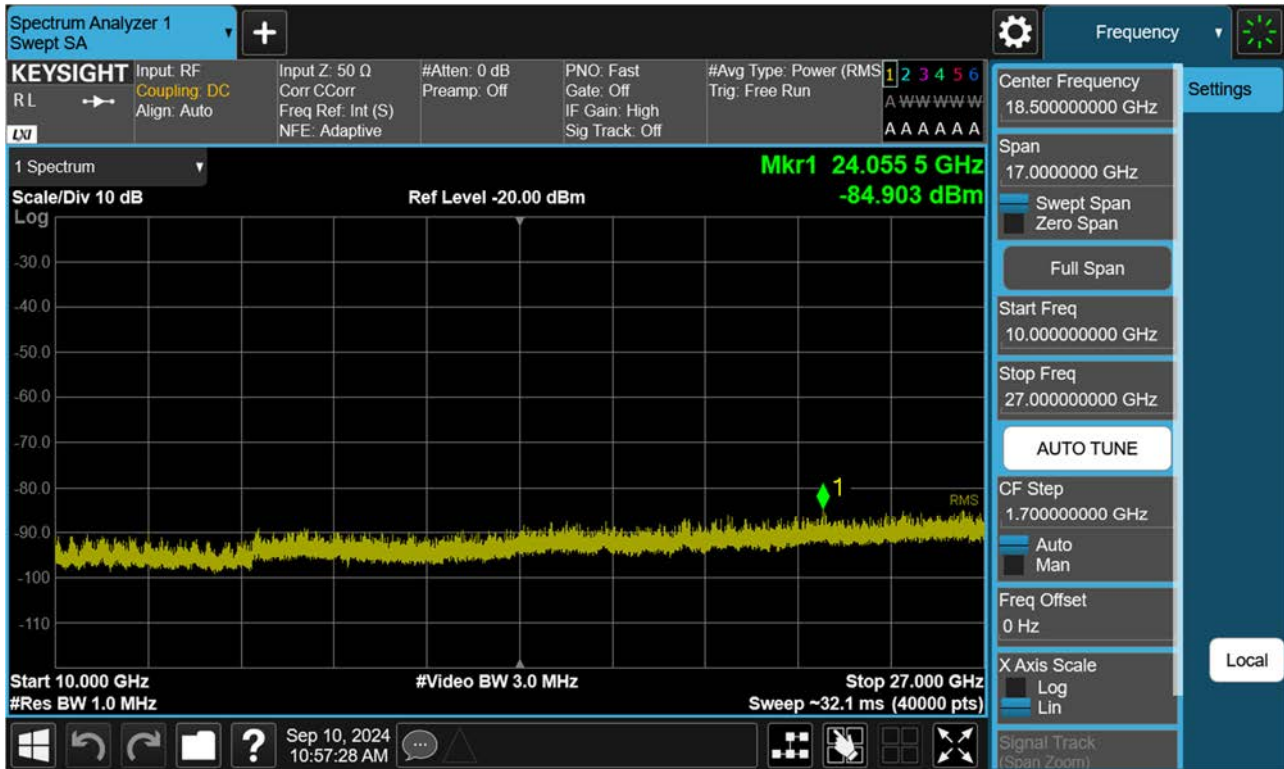


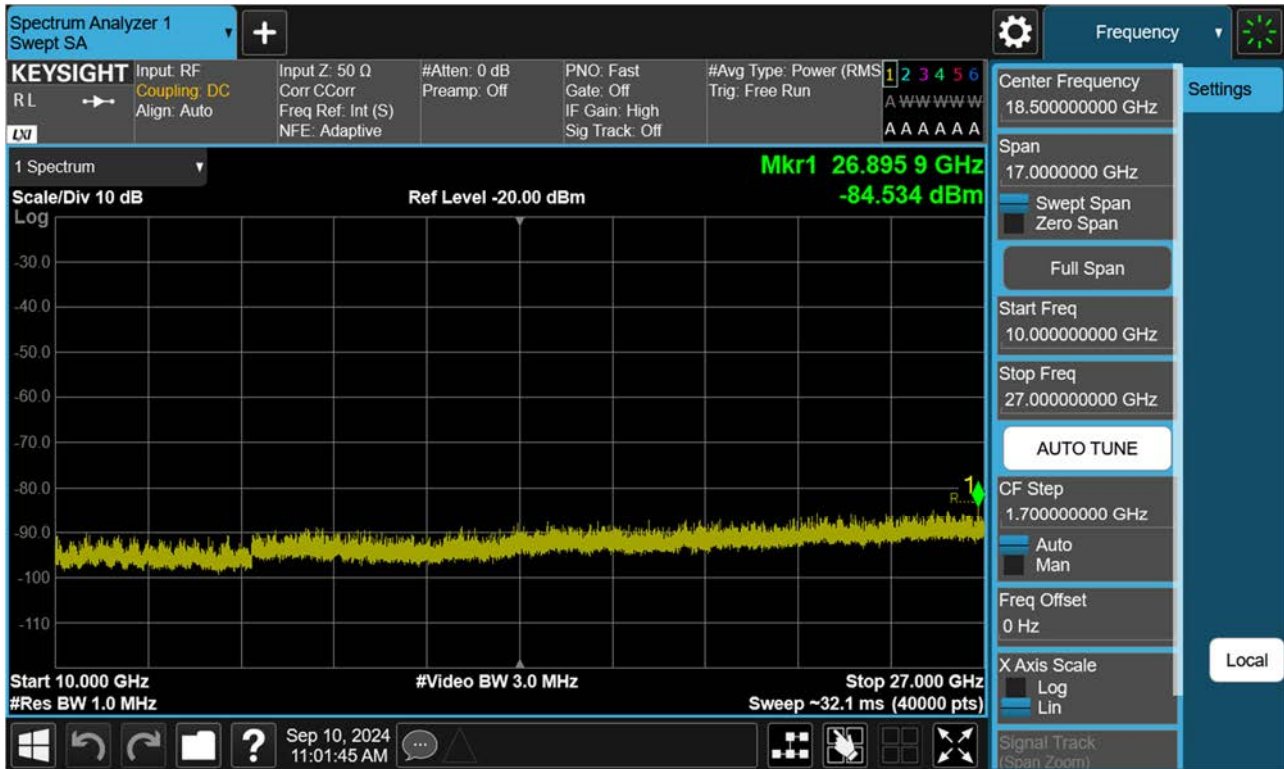
20 M_Conducted Spurious_2_High_BPSK_1RB



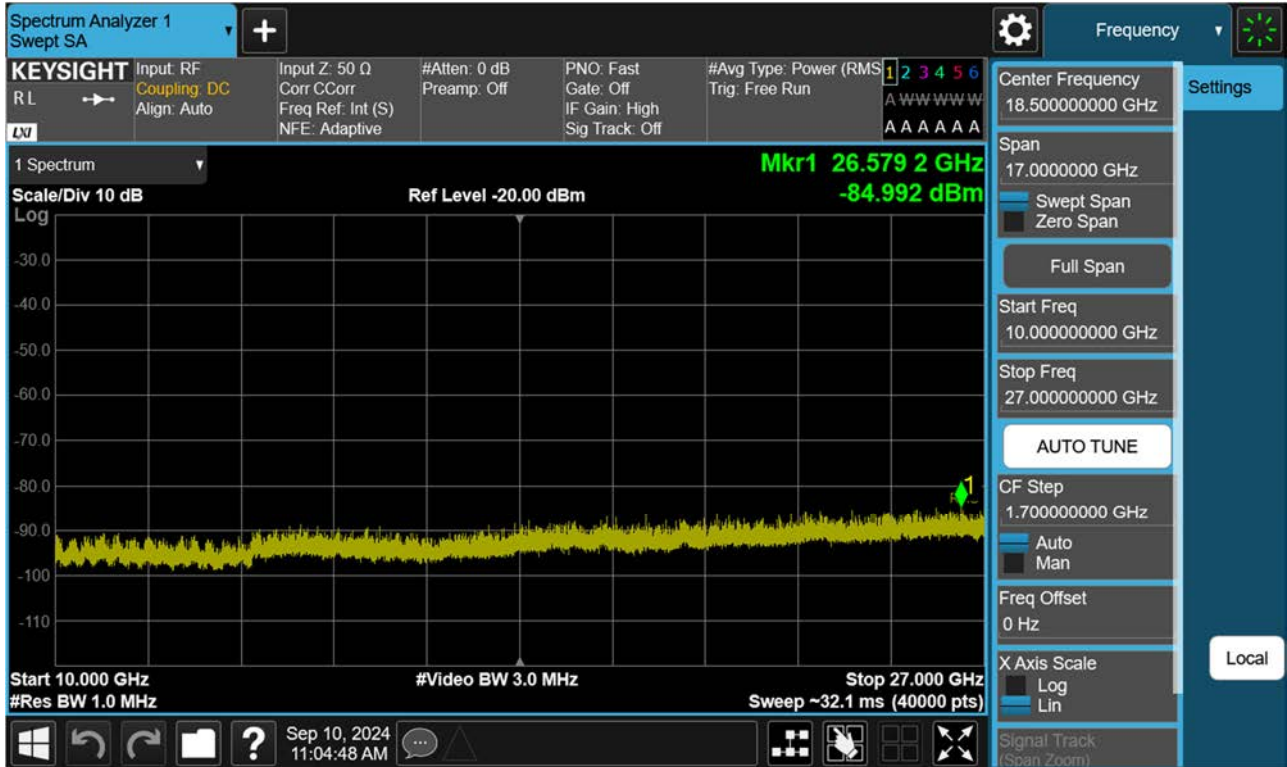
25 M_Conducted Spurious_2_Low_BPSK_1RB



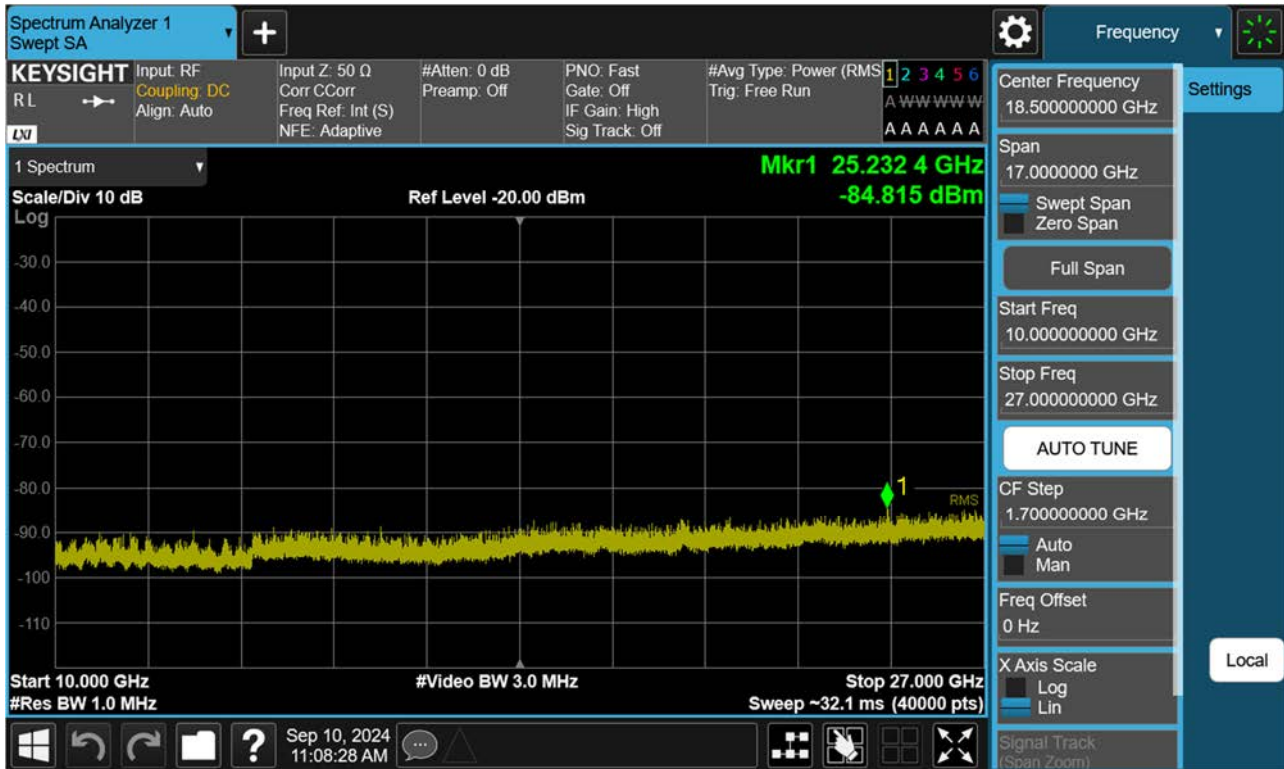
25 M_Conducted Spurious_2_Mid_BPSK_1RB



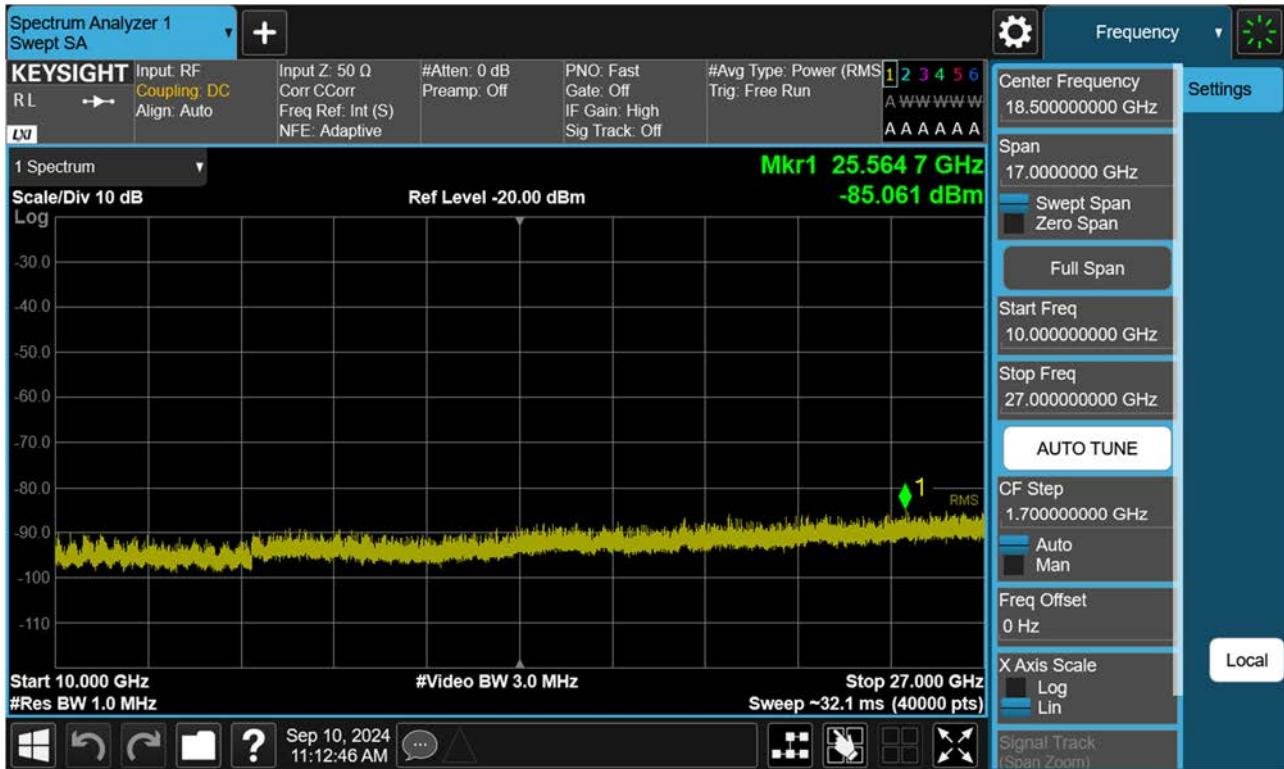
25 M_Conducted Spurious_2_High_BPSK_1RB



30 M_Conducted Spurious_2_Low_BPSK_1RB



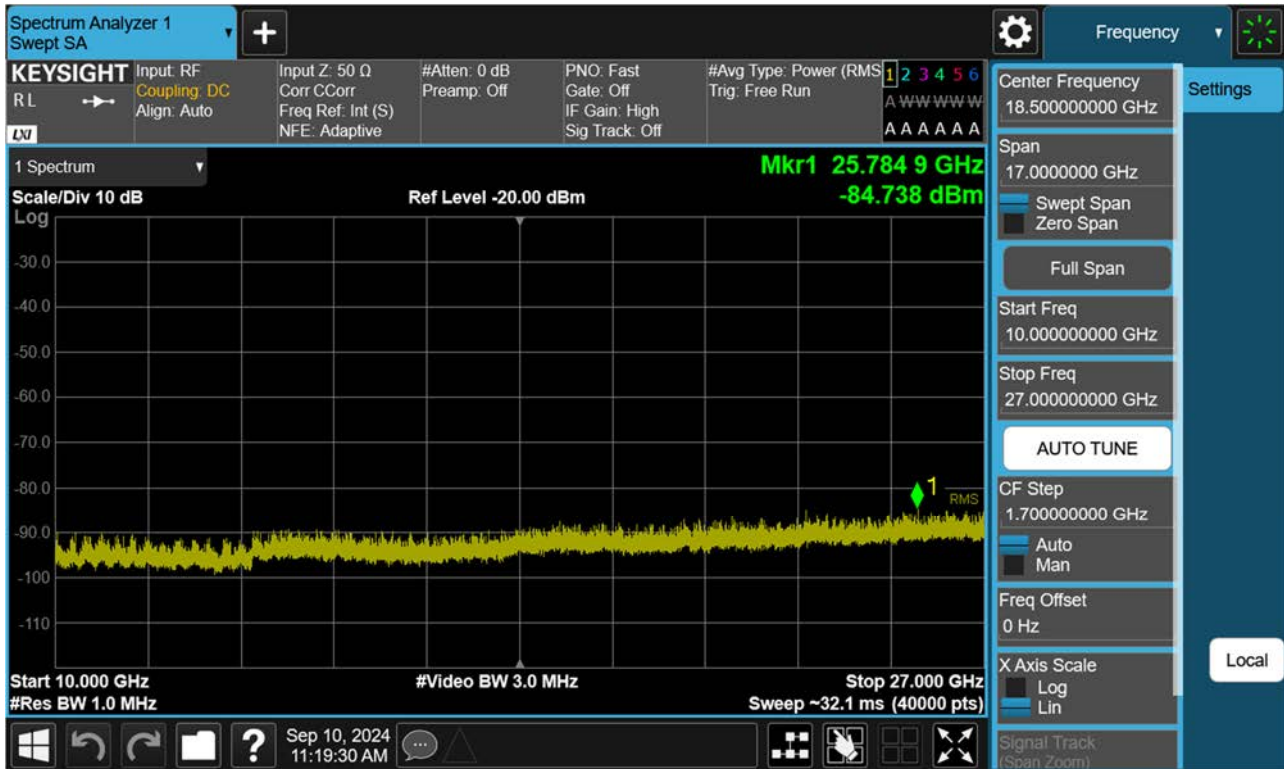
30 M_Conducted Spurious_2_Mid_BPSK_1RB



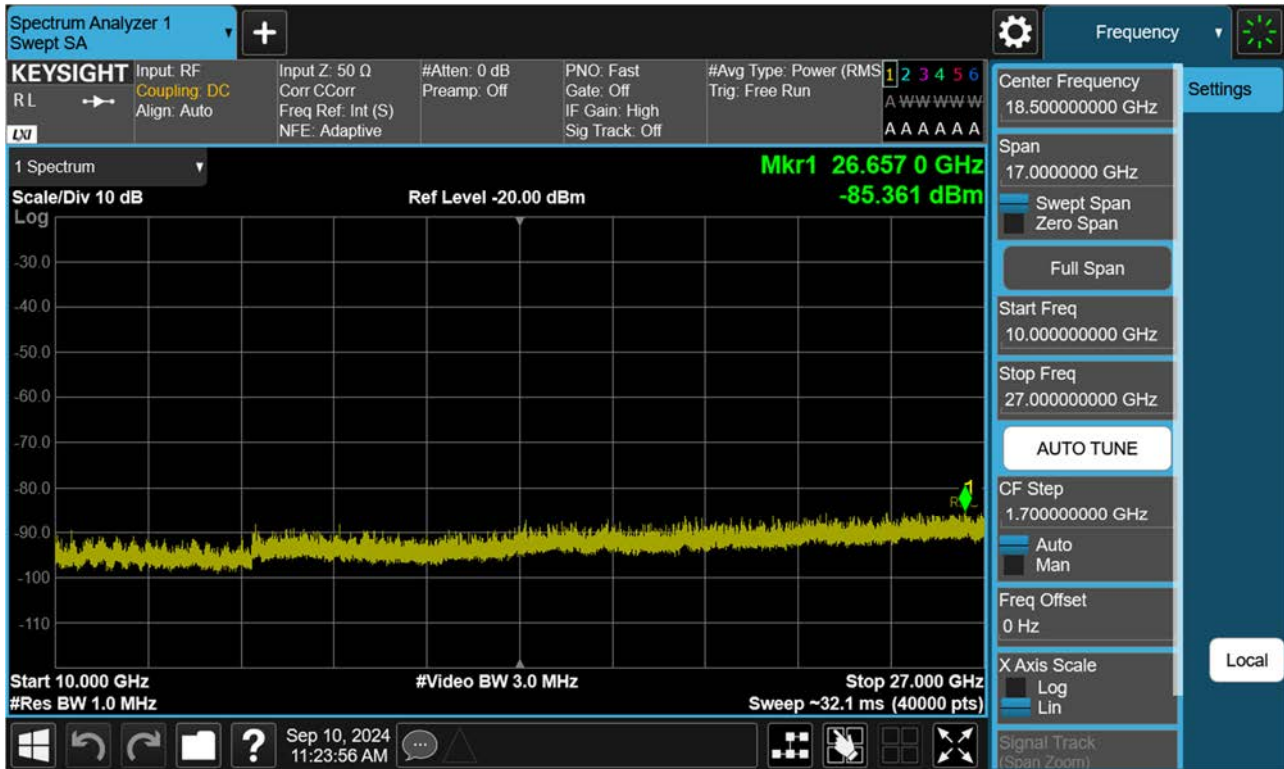
30 M_Conducted Spurious_2_High_BPSK_1RB



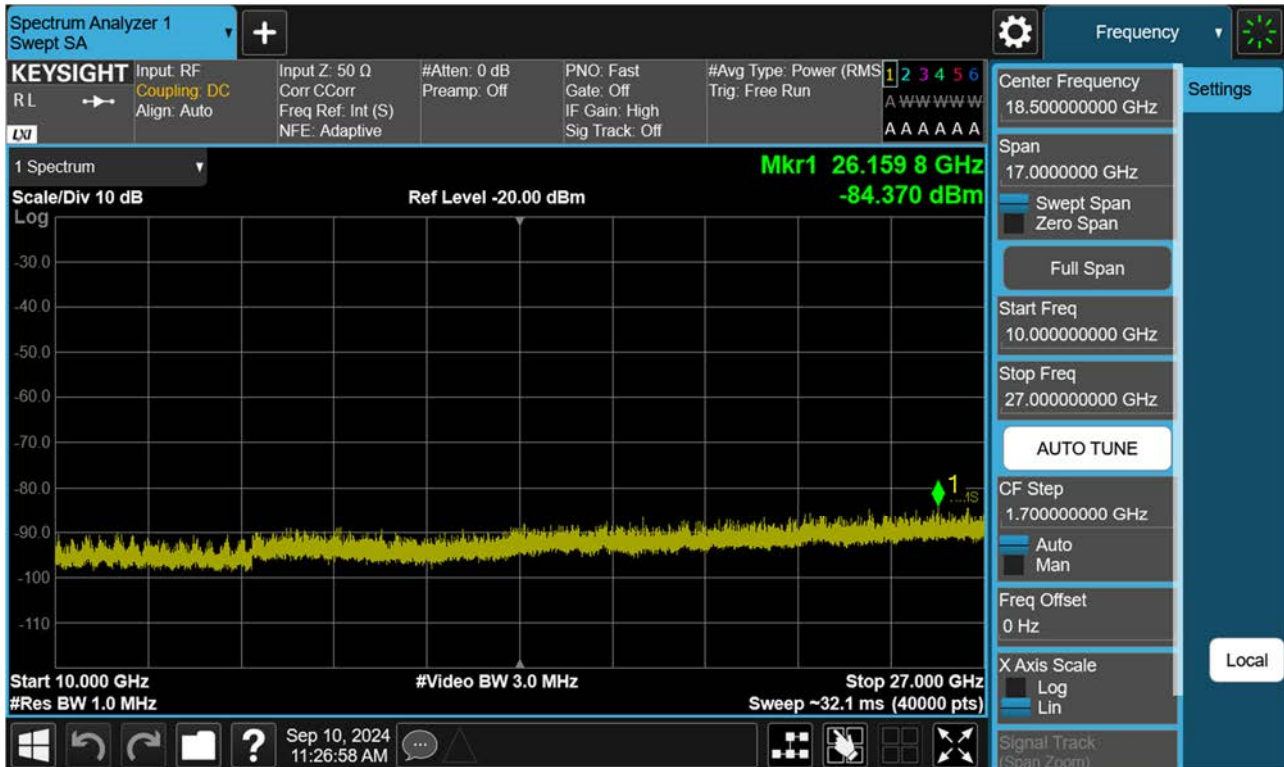
35 M_Conducted Spurious_2_Low_BPSK_1RB



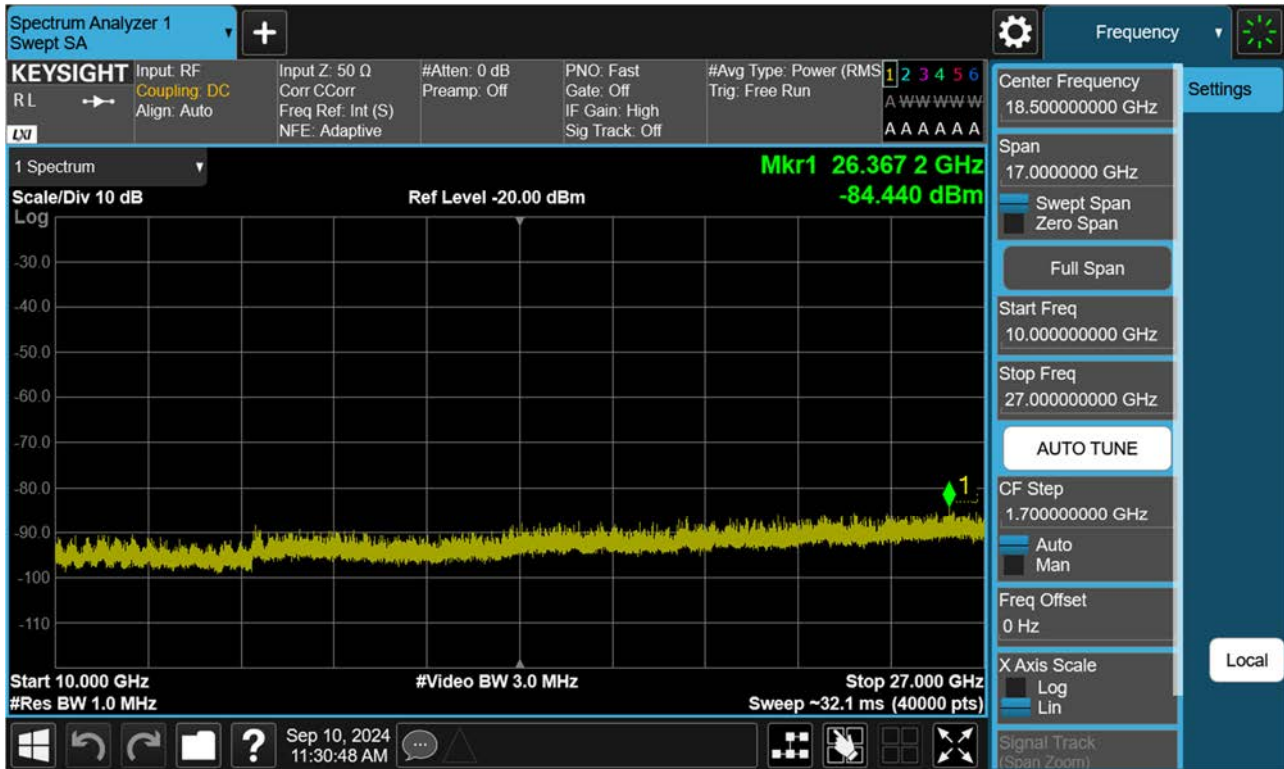
35 M_Conducted Spurious_2_Mid_BPSK_1RB



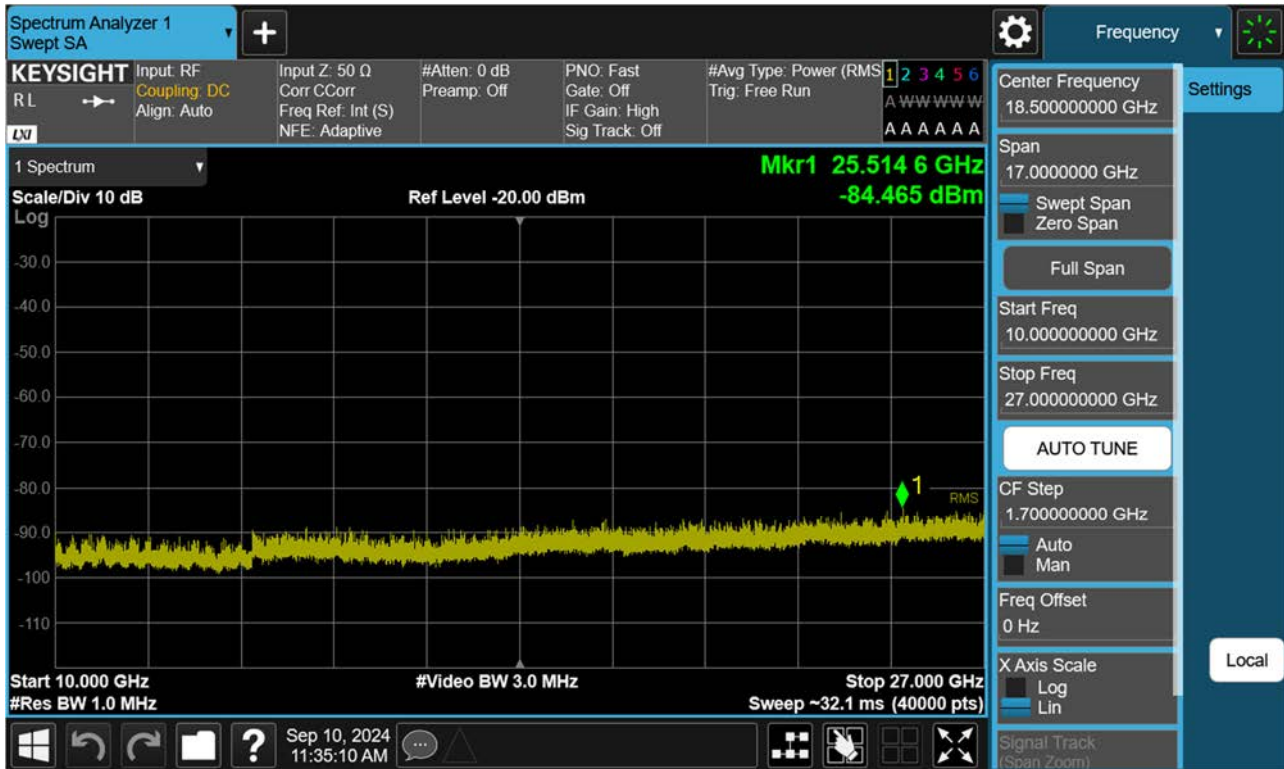
35 M_Conducted Spurious_2_High_BPSK_1RB



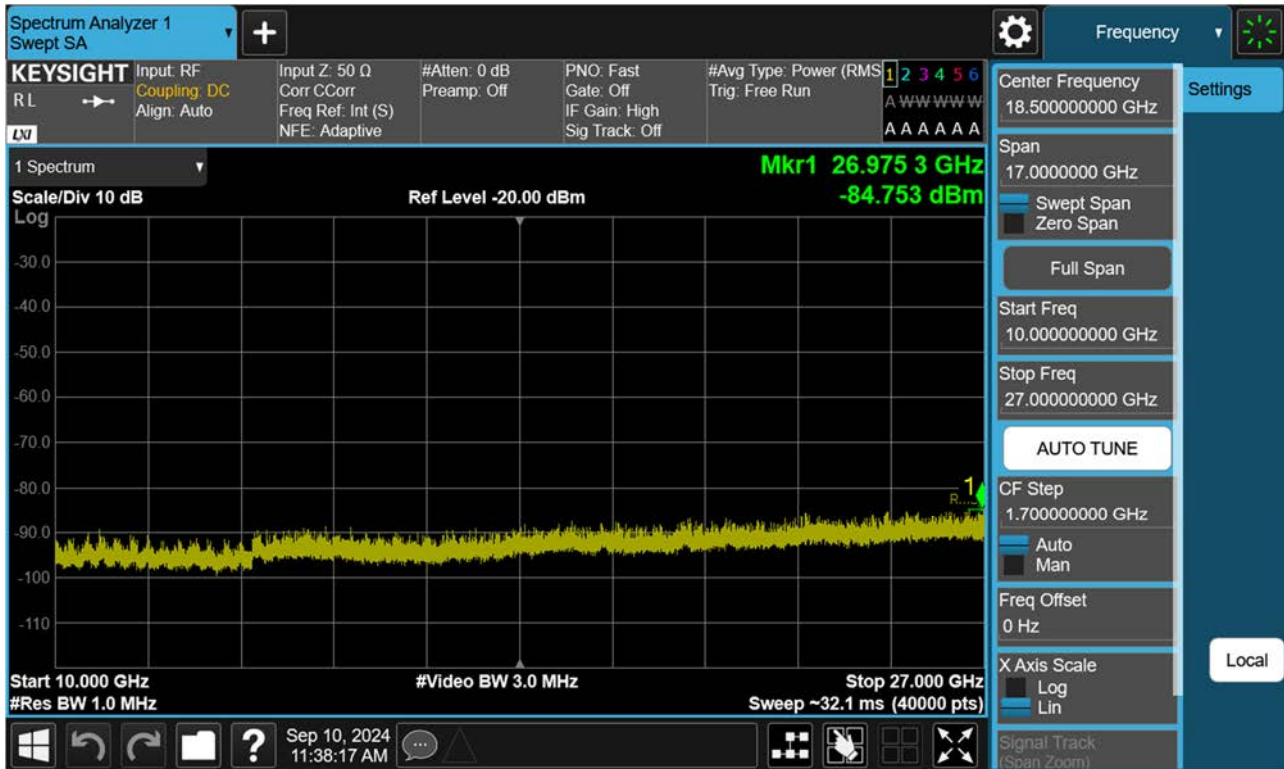
40 M_Conducted Spurious_2_Low_BPSK_1RB



40 M_Conducted Spurious_2_Mid_BPSK_1RB

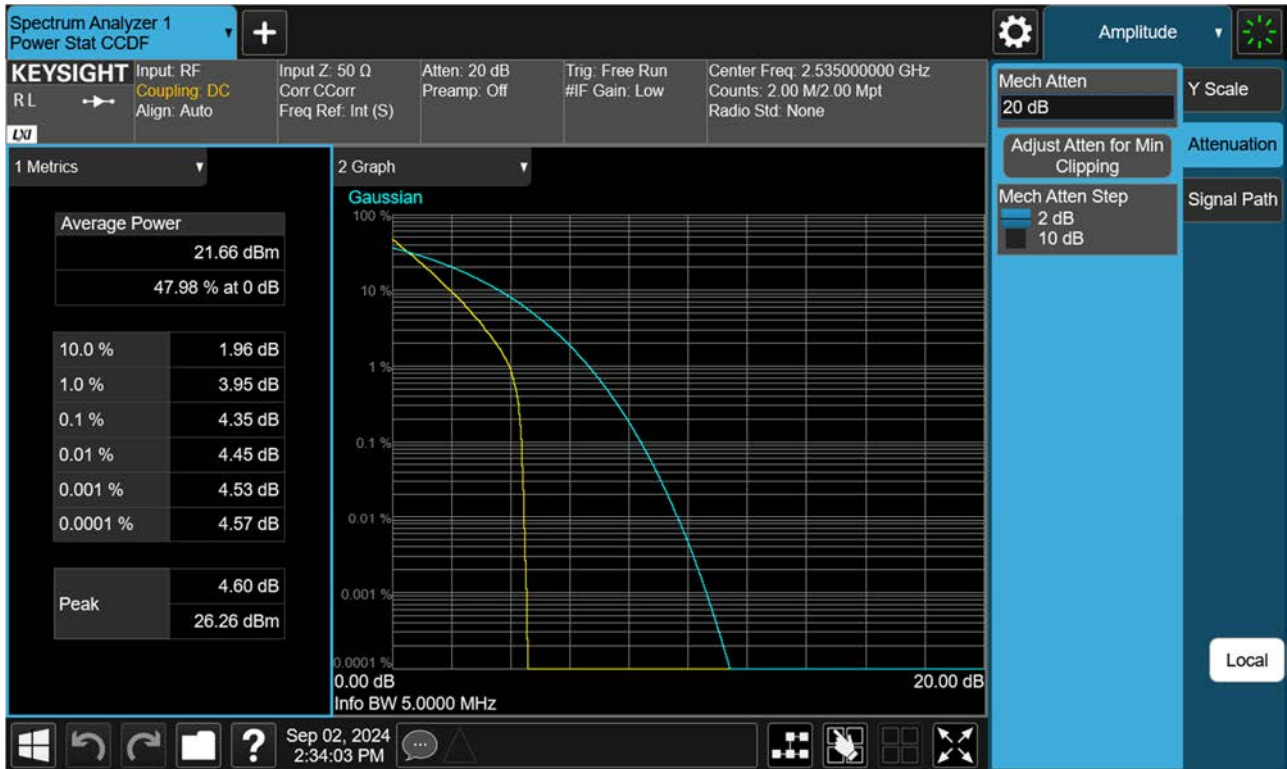


40 M_Conducted Spurious_2_High_BPSK_1RB

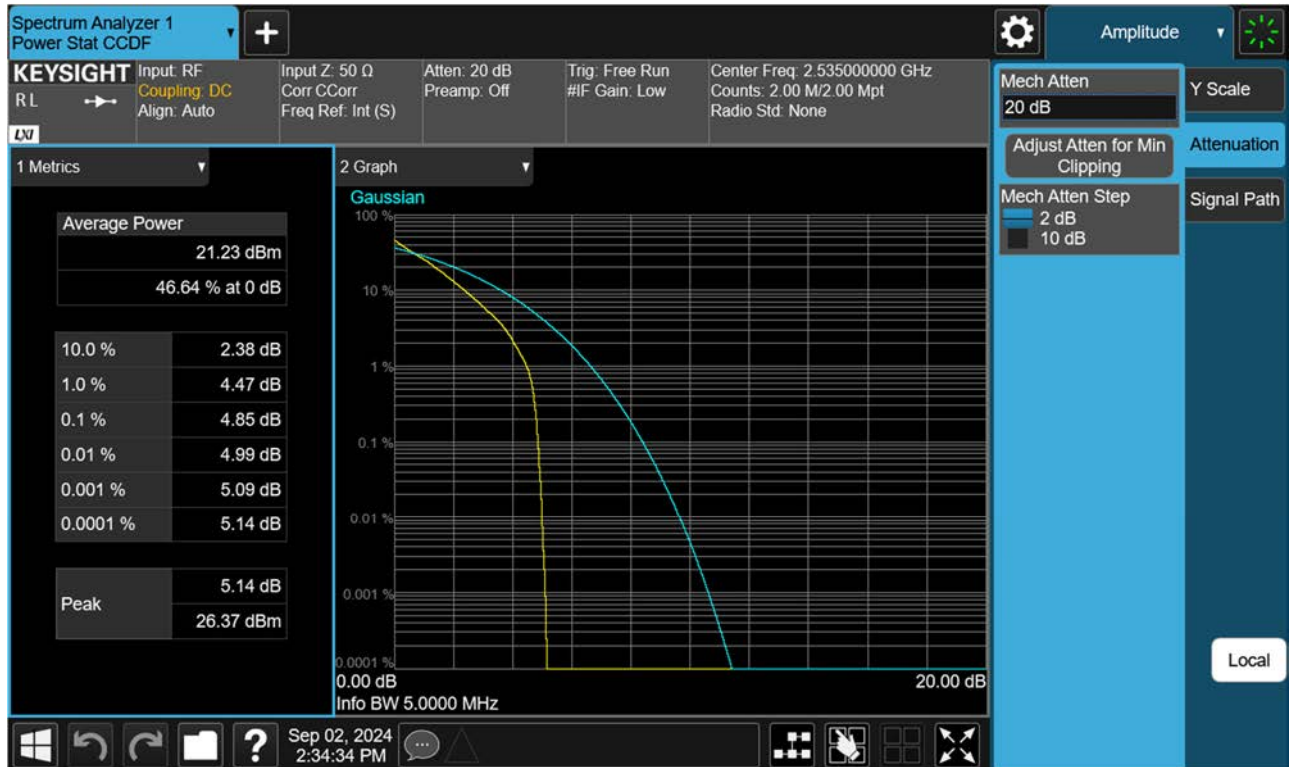


11. TEST PLOTS(Sub 2 ANT)

5 M_PAR_Mid_BPSK_FullRB



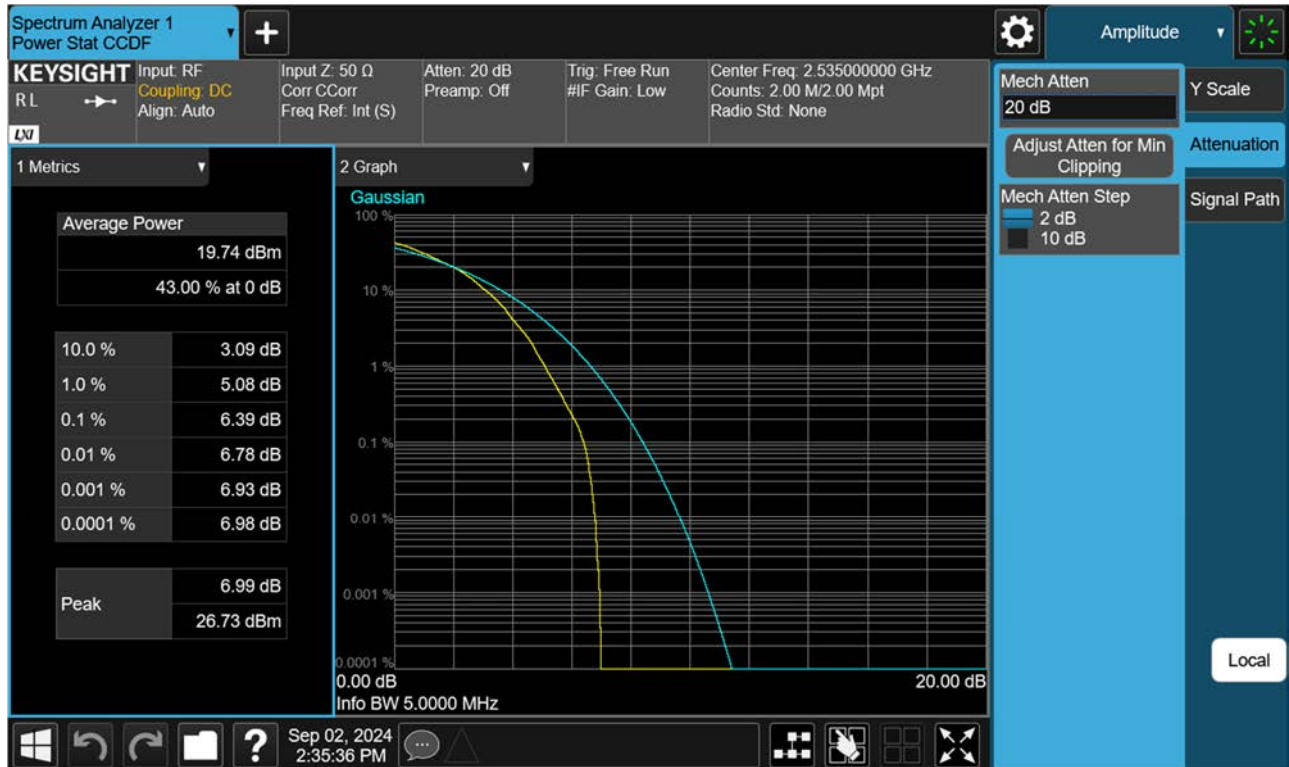
5 M_PAR_Mid_QPSK_FullRB



5 M_PAR_Mid_16QAM_FullRB



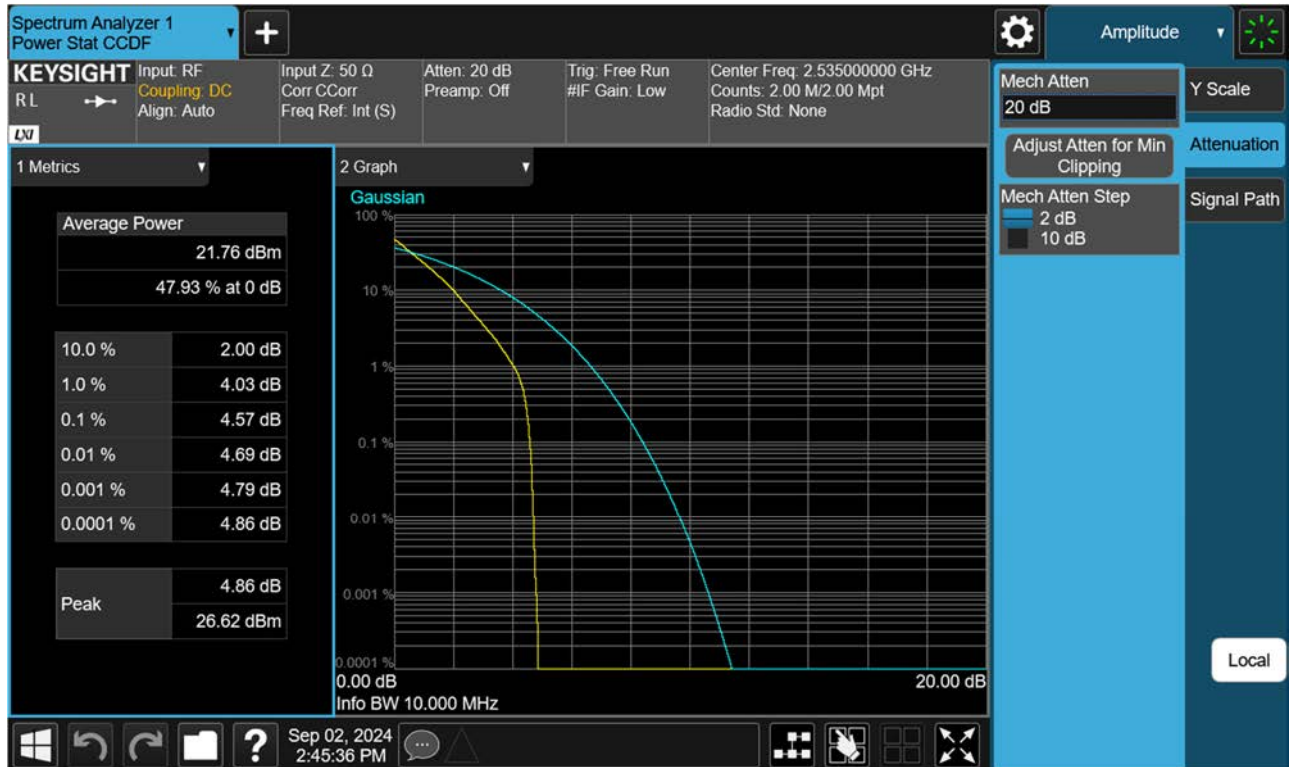
5 M_PAR_Mid_64QAM_FullRB



5 M_PAR_Mid_256QAM_FullRB



10 M_PAR_Mid_BPSK_FullRB



10 M_PAR_Mid_QPSK_FullRB



10 M_PAR_Mid_16QAM_FullRB



Keysight Spectrum Analyzer 1
Power Stat CCDF

Input: RF
Coupling: DC
Align: Auto

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

Atten: 20 dB
Preamp: Off

Trig: Free Run
#IF Gain: Low

Center Freq: 2.535000000 GHz
Counts: 2.00 M/2.00 Mpt
Radio Std: None

Mech Atten: 20 dB
Adjust Atten for Min Clipping:
Mech Atten Step: 2 dB, 10 dB

1 Metrics

Average Power	
	19.79 dBm
	42.79 % at 0 dB

10.0 %	3.10 dB
1.0 %	5.39 dB
0.1 %	6.30 dB
0.01 %	6.55 dB
0.001 %	6.64 dB
0.0001 %	6.69 dB

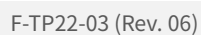
Peak	
	6.71 dB
	26.50 dBm

2 Graph

Gaussian

Y-axis: 100 %, 10 %, 1 %, 0.1 %, 0.01 %, 0.001 %, 0.0001 %
X-axis: 0.00 dB, 20.00 dB
Info BW 10.000 MHz

10 M_PAR_Mid_256QAM_FullRB



Spectrum Analyzer 1
Power Stat CCDF

KEYSIGHT
RL →

Input: RF
Coupling: DC
Align: Auto

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

Atten: 20 dB
Preampl: Off

Trig: Free Run
#IF Gain: Low

Center Freq: 2.535000000 GHz
Counts: 2.00 M/2.00 Mpt
Radio Std: None

Mech Atten
20 dB

Adjust Atten for Min Clipping

Mech Atten Step
2 dB
10 dB

Y Scale
Attenuation

Signal Path

1 Metrics

Average Power

21.74 dBm

47.18 % at 0 dB

10.0 % 1.87 dB

1.0 % 3.50 dB

0.1 % 4.33 dB

0.01 % 4.69 dB

0.001 % 4.83 dB

0.0001 % 4.89 dB

Peak

4.92 dB

26.66 dBm

2 Graph

Gaussian

100 %

10 %

1 %

0.1 %

0.01 %

0.001 %

0.0001 %

0.00 dB

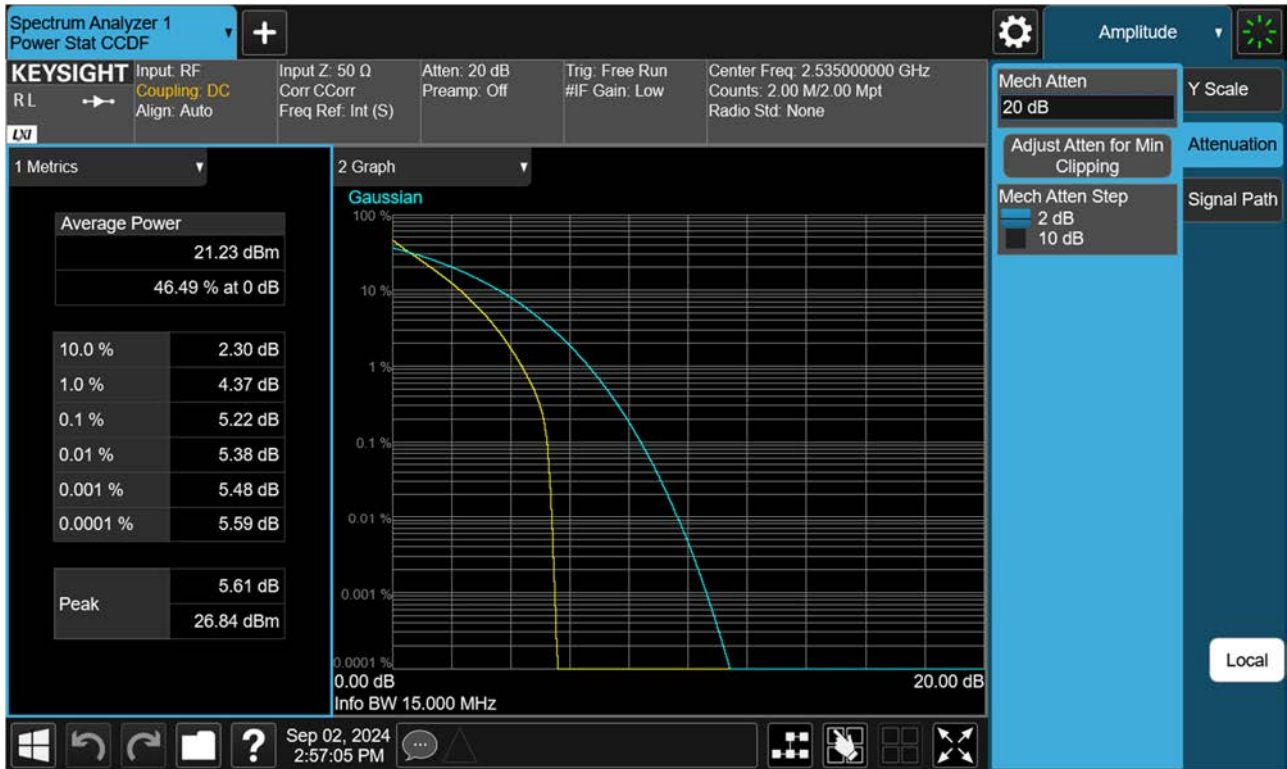
20.00 dB

Info BW 15.000 MHz

Sep 02, 2024
2:56:41 PM

Local

15 M_PAR_Mid_QPSK_FullRB



15 M_PAR_Mid_16QAM_FullRB



15 M_PAR_Mid_64QAM_FullRB



15 M_PAR_Mid_256QAM_FullRB



Spectrum Analyzer 1
Power Stat CCDF

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

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

Atten: 20 dB
Preamp: Off

Trig: Free Run
#IF Gain: Low

Center Freq: 2.535000000 GHz
Counts: 2.00 M/2.00 Mpt
Radio Std: None

Mech Atten: 20 dB

Adjust Atten for Min Clipping

Mech Atten Step: 2 dB, 10 dB

Y Scale: Attenuation

Signal Path

1 Metrics

Average Power

	21.69 dBm
	46.97 % at 0 dB

10.0 %: 2.04 dB
1.0 %: 4.03 dB
0.1 %: 4.72 dB
0.01 %: 4.88 dB
0.001 %: 5.01 dB
0.0001 %: 5.13 dB

Peak

	5.17 dB
	26.86 dBm

2 Graph

Gaussian

100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.00 dB
20.00 dB

Info BW 20.000 MHz

Sep 02, 2024
3:07:42 PM

Local

Keysight Spectrum Analyzer 1
Power Stat CCDF

Input: RF
Corr: DC
Align: Auto

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

Atten: 20 dB
Preamp: Off

Trig: Free Run
#IF Gain: Low

Center Freq: 2.535000000 GHz
Counts: 2.00 M/2.00 Mpt
Radio Std: None

Mech Atten: 20 dB
Adjust Atten for Min Clipping:
Mech Atten Step: 2 dB, 10 dB

1 Metrics

Average Power	
	21.15 dBm
	46.31 % at 0 dB

10.0 %	2.51 dB
1.0 %	4.37 dB
0.1 %	4.70 dB
0.01 %	4.86 dB
0.001 %	5.02 dB
0.0001 %	5.10 dB

Peak	
	5.14 dB
	26.29 dBm

2 Graph

Gaussian

100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.00 dB
20.00 MHz

Info BW 20.000 MHz

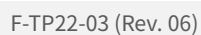
20 M_PAR_Mid_16QAM_FullRB



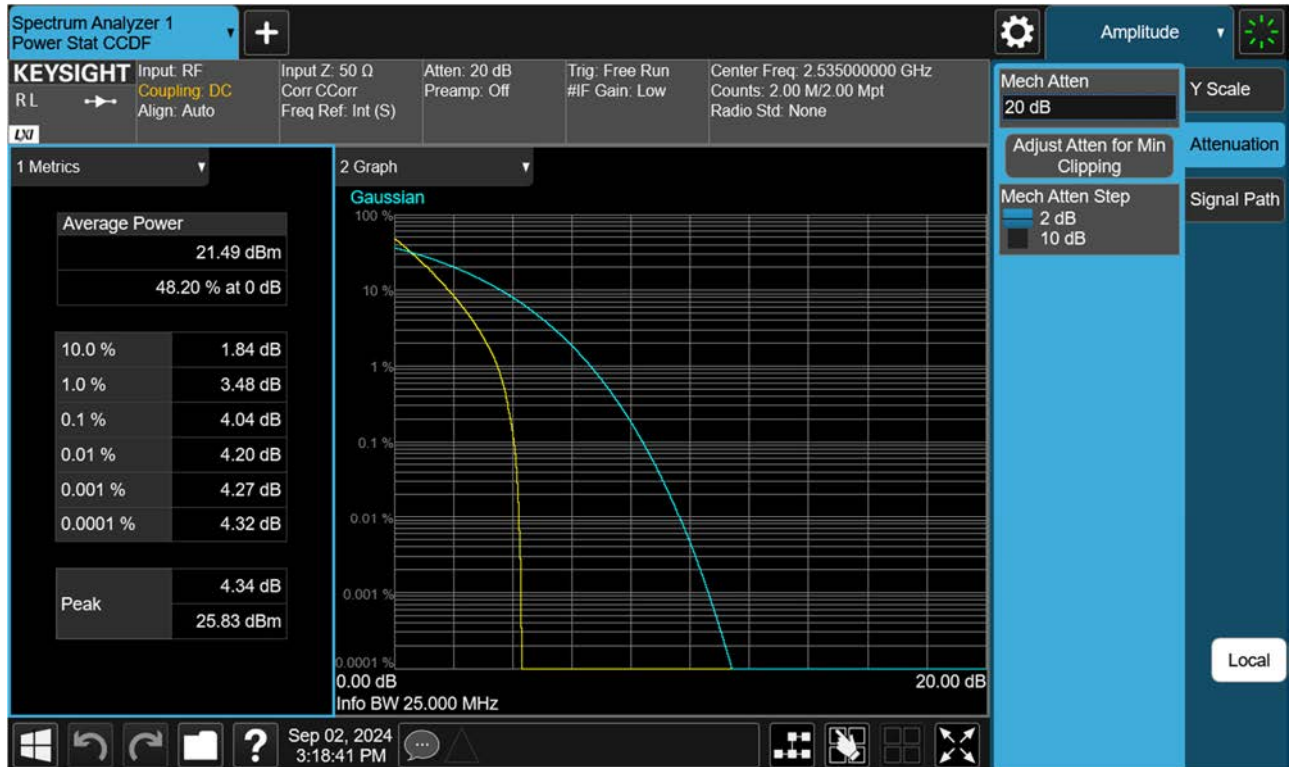
20 M_PAR_Mid_64QAM_FullRB



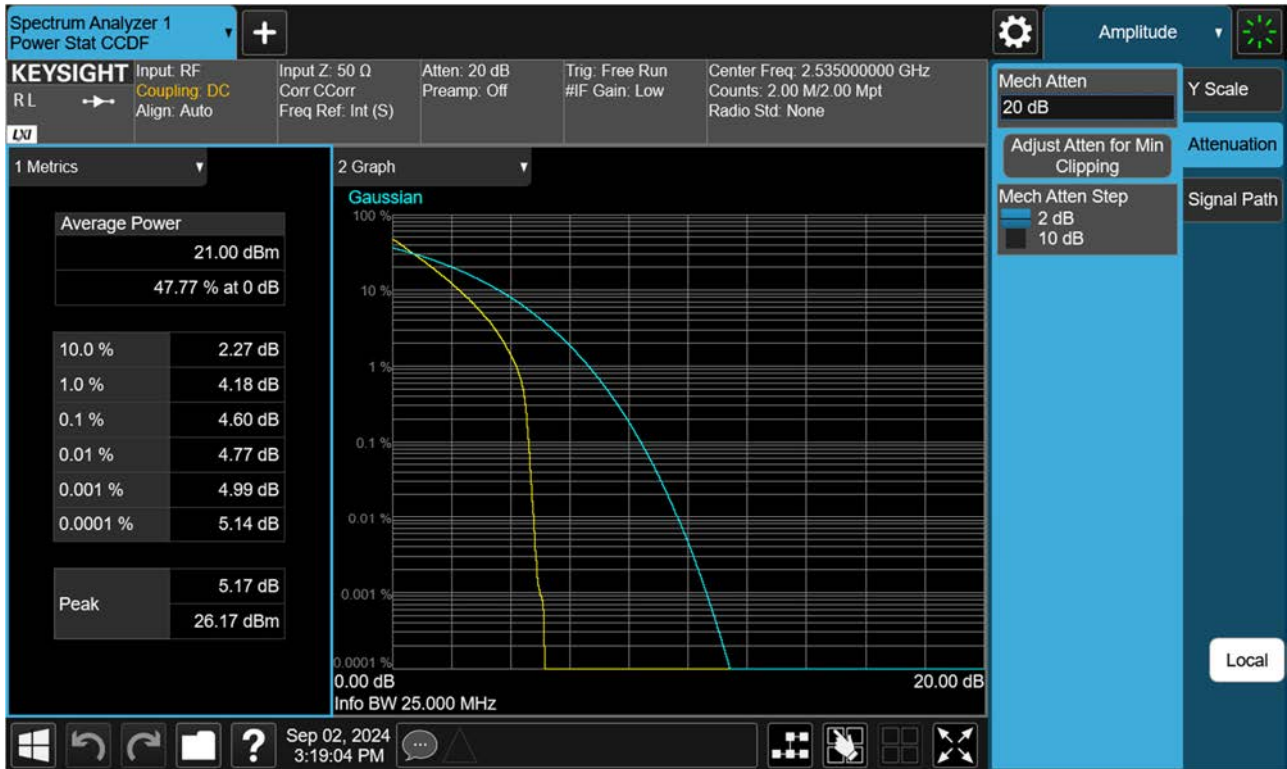
20 M_PAR_Mid_256QAM_FullRB



25 M_PAR_Mid_BPSK_FullRB



25 M_PAR_Mid_QPSK_FullRB



Spectrum Analyzer 1
Power Stat CCDF

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

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

Atten: 20 dB
Preamp: Off

Trig: Free Run
#IF Gain: Low

Center Freq: 2.535000000 GHz
Counts: 2.00 M/2.00 Mpt
Radio Std: None

Mech Atten
20 dB

Adjust Atten for Min Clipping

Mech Atten Step
2 dB
10 dB

Y Scale
Attenuation

Signal Path

1 Metrics

Average Power

20.15 dBm	
45.40 % at 0 dB	

10.0 % 2.78 dB
1.0 % 4.90 dB
0.1 % 5.81 dB
0.01 % 6.01 dB
0.001 % 6.20 dB
0.0001 % 6.38 dB

Peak

6.40 dB
26.55 dBm

2 Graph

Gaussian

100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.00 dB
20.00 dB

Info BW 25.000 MHz

Sep 02, 2024
3:19:25 PM

Local

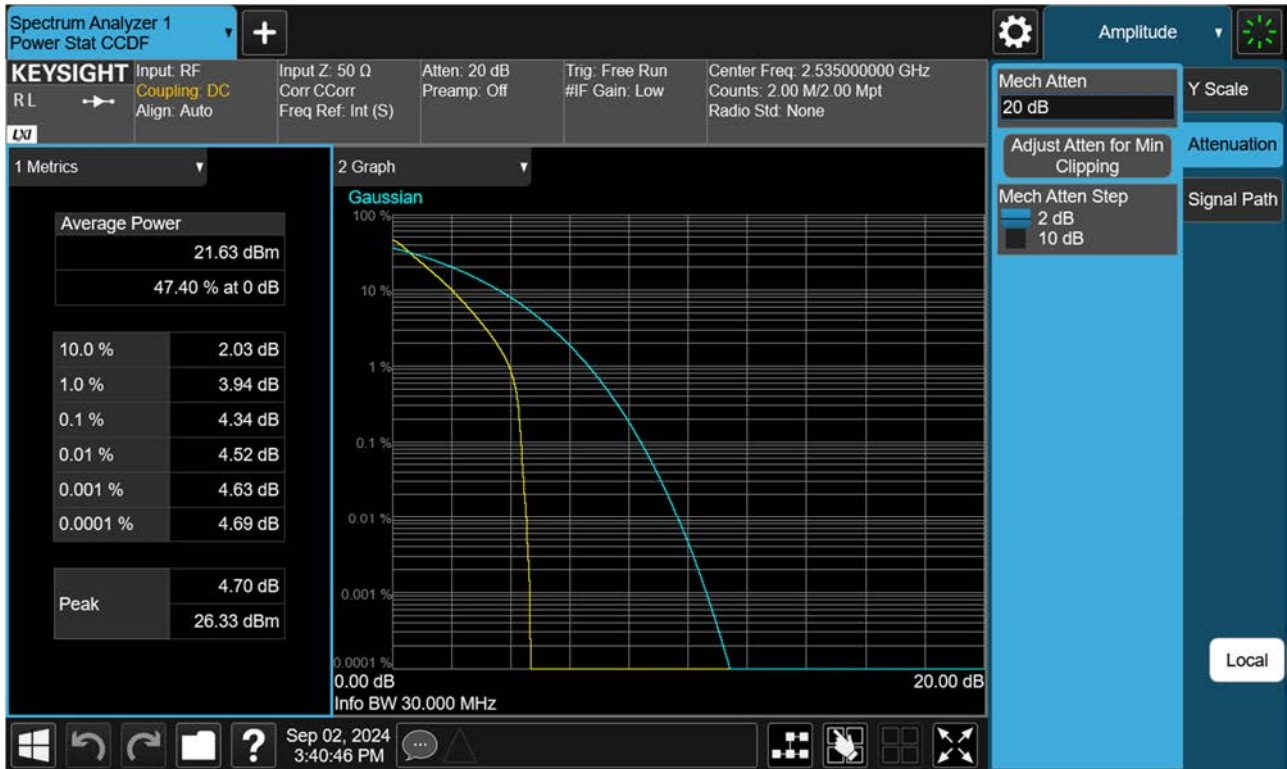
25 M_PAR_Mid_64QAM_FullRB



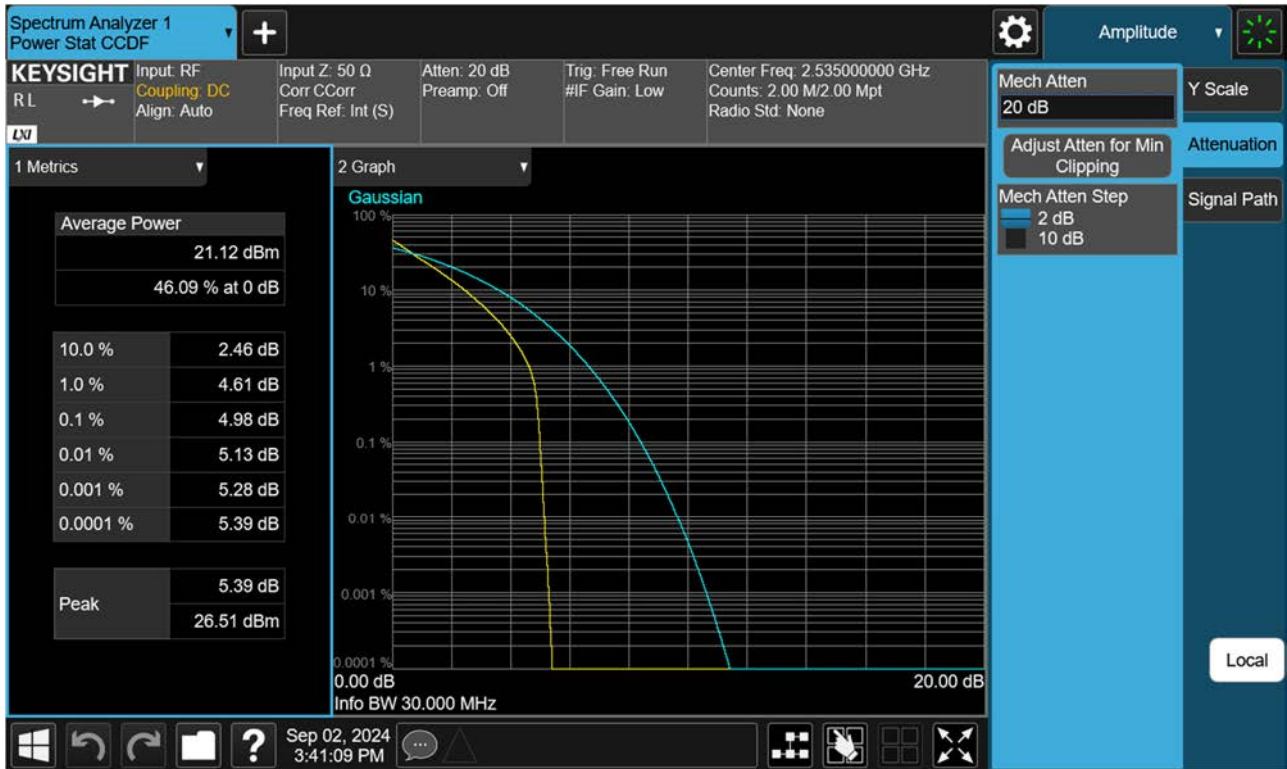
25 M_PAR_Mid_256QAM_FullRB



30 M_PAR_Mid_BPSK_FullRB



30 M_PAR_Mid_QPSK_FullRB



30 M_PAR_Mid_16QAM_FullRB



30 M_PAR_Mid_64QAM_FullRB



Spectrum Analyzer 1
Power Stat CCDF

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

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

Atten: 20 dB
Preampl: Off

Trig: Free Run
#IF Gain: Low

Center Freq: 2.535000000 GHz
Counts: 2.00 M/2.00 Mpt
Radio Std: None

Mech Atten: 20 dB
Adjust Atten for Min Clipping
Mech Atten Step: 2 dB, 10 dB

Y Scale: Attenuation
Signal Path: Local

1 Metrics

Average Power	
	17.61 dBm
	42.33 % at 0 dB

10.0 %	3.17 dB
1.0 %	5.42 dB
0.1 %	6.69 dB
0.01 %	7.76 dB
0.001 %	8.24 dB
0.0001 %	8.40 dB

Peak	
	8.44 dB
	26.05 dBm

2 Graph

Gaussian

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

0.00 dB
20.00 dB

Info BW 30.000 MHz

Spectrum Analyzer 1
Power Stat CCDF

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

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

Atten: 20 dB
Preamp: Off

Trig: Free Run
#IF Gain: Low

Center Freq: 2.535000000 GHz
Counts: 2.00 M/2.00 Mpt
Radio Std: None

Mech Atten
20 dB

Adjust Atten for Min Clipping

Mech Atten Step
2 dB
10 dB

Y Scale
Attenuation

Signal Path

1 Metrics

Average Power

21.70 dBm

47.48 % at 0 dB

10.0 % 2.19 dB

1.0 % 3.78 dB

0.1 % 4.18 dB

0.01 % 4.41 dB

0.001 % 4.51 dB

0.0001 % 4.58 dB

Peak

4.60 dB

26.30 dBm

2 Graph

Gaussian

100 %

10 %

1 %

0.1 %

0.01 %

0.001 %

0.0001 %

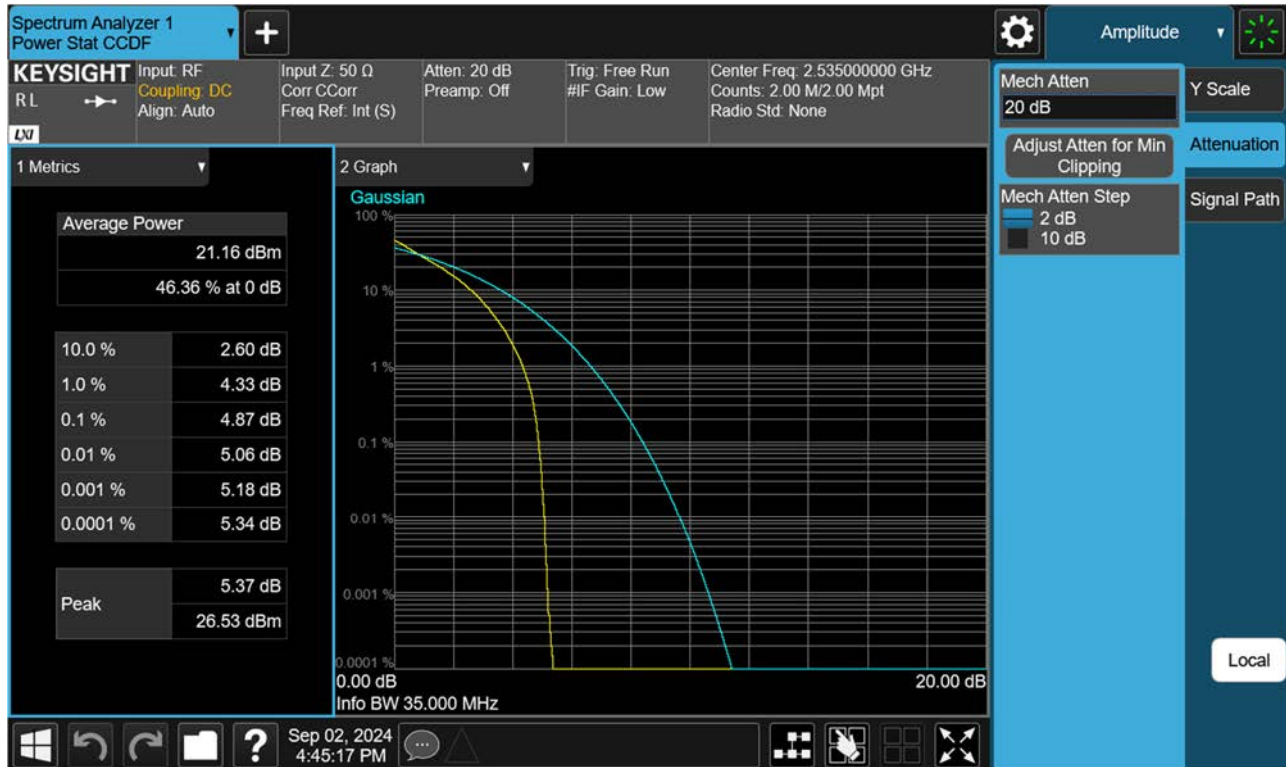
0.00 dB

20.00 dB

Info BW 35.000 MHz

Local

35 M_PAR_Mid_QPSK_FullRB



Spectrum Analyzer 1
Power Stat CCDF

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

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

Atten: 20 dB
Preamp: Off

Trig: Free Run
#IF Gain: Low

Center Freq: 2.535000000 GHz
Counts: 2.00 M/2.00 Mpt
Radio Std: None

Mech Atten: 20 dB

Adjust Atten for Min Clipping

Mech Atten Step: 2 dB, 10 dB

Y Scale: Attenuation

Signal Path: Local

1 Metrics

Average Power

20.18 dBm	
44.80 % at 0 dB	

10.0 % 3.00 dB
1.0 % 4.94 dB
0.1 % 5.91 dB
0.01 % 6.15 dB
0.001 % 6.29 dB
0.0001 % 6.46 dB

Peak 6.49 dB
26.67 dBm

2 Graph

Gaussian

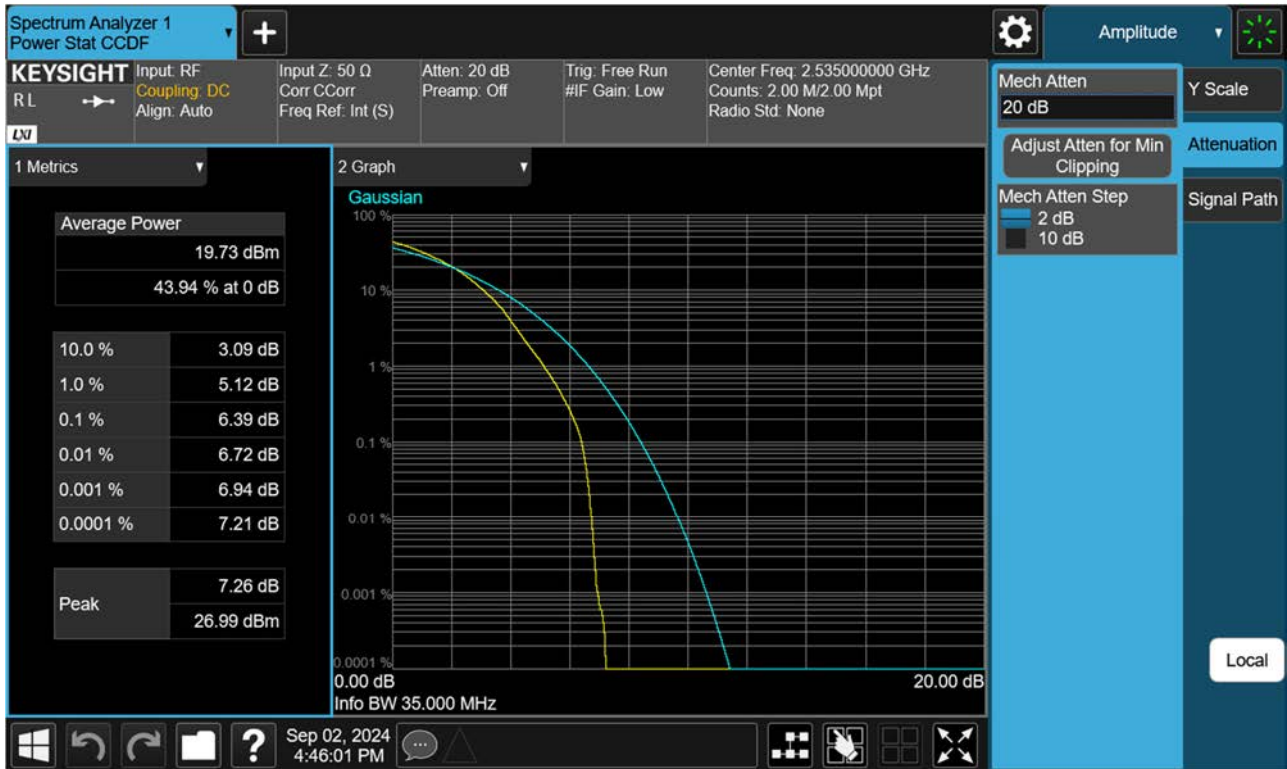
0.0001 %
0.001 %
0.01 %
0.1 %
1 %
10 %
100 %

0.00 dB
20.00 dB

Info BW 35.000 MHz

Sep 02, 2024 4:45:39 PM

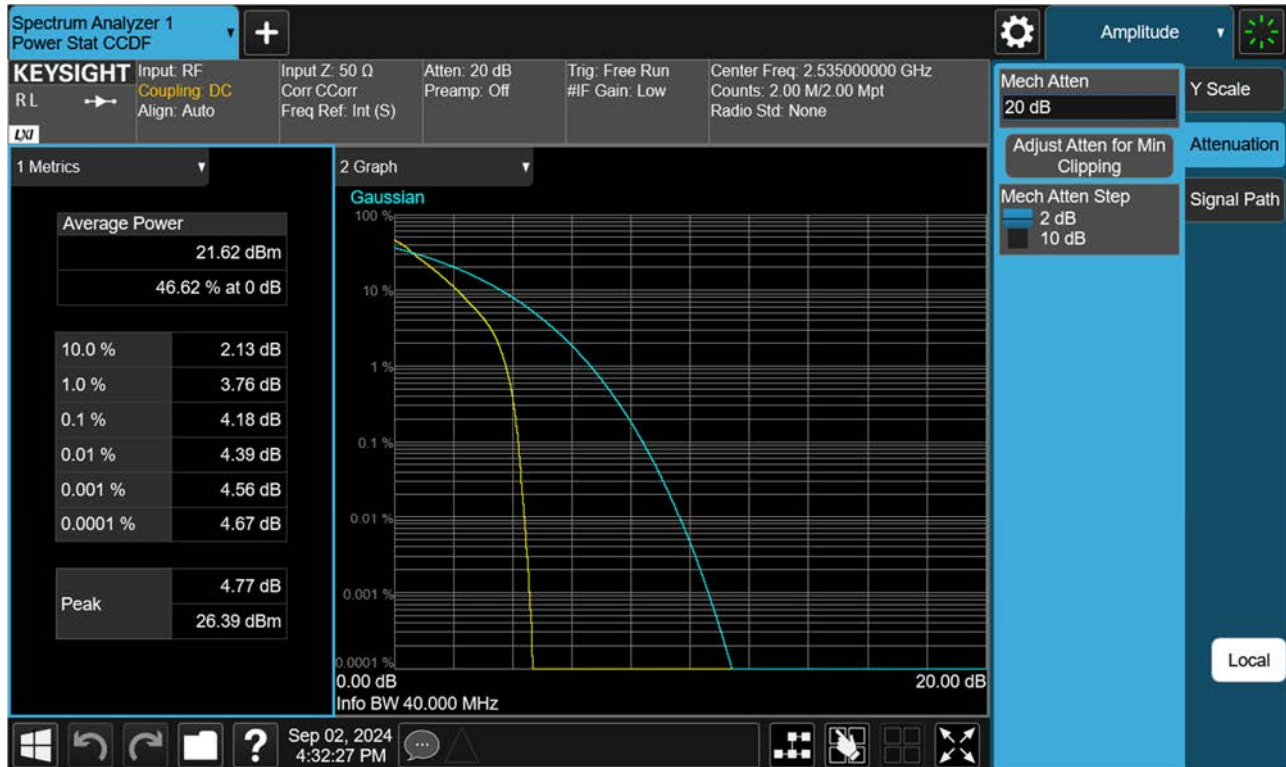
35 M_PAR_Mid_64QAM_FullRB



35 M_PAR_Mid_256QAM_FullRB



40 M_PAR_Mid_BPSK_FullRB



Keysight Spectrum Analyzer 1
Power Stat CCDF

Input: RF
Corr: DC
Align: Auto

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

Atten: 20 dB
Preamp: Off

Trig: Free Run
#IF Gain: Low

Center Freq: 2.535000000 GHz
Counts: 2.00 M/2.00 Mpt
Radio Std: None

Mech Atten: 20 dB
Adjust Atten for Min Clipping:
Mech Atten Step: 2 dB, 10 dB

Y Scale: Attenuation
Signal Path:

1 Metrics

Average Power	
	21.14 dBm
	45.74 % at 0 dB

10.0 %	2.55 dB
1.0 %	4.33 dB
0.1 %	4.77 dB
0.01 %	4.98 dB
0.001 %	5.13 dB
0.0001 %	5.22 dB

Peak	
	5.23 dB
	26.37 dBm

2 Graph

Gaussian

100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.00 dB
20.00 dB

Info BW 40.000 MHz

Local

40 M_PAR_Mid_16QAM_FullRB



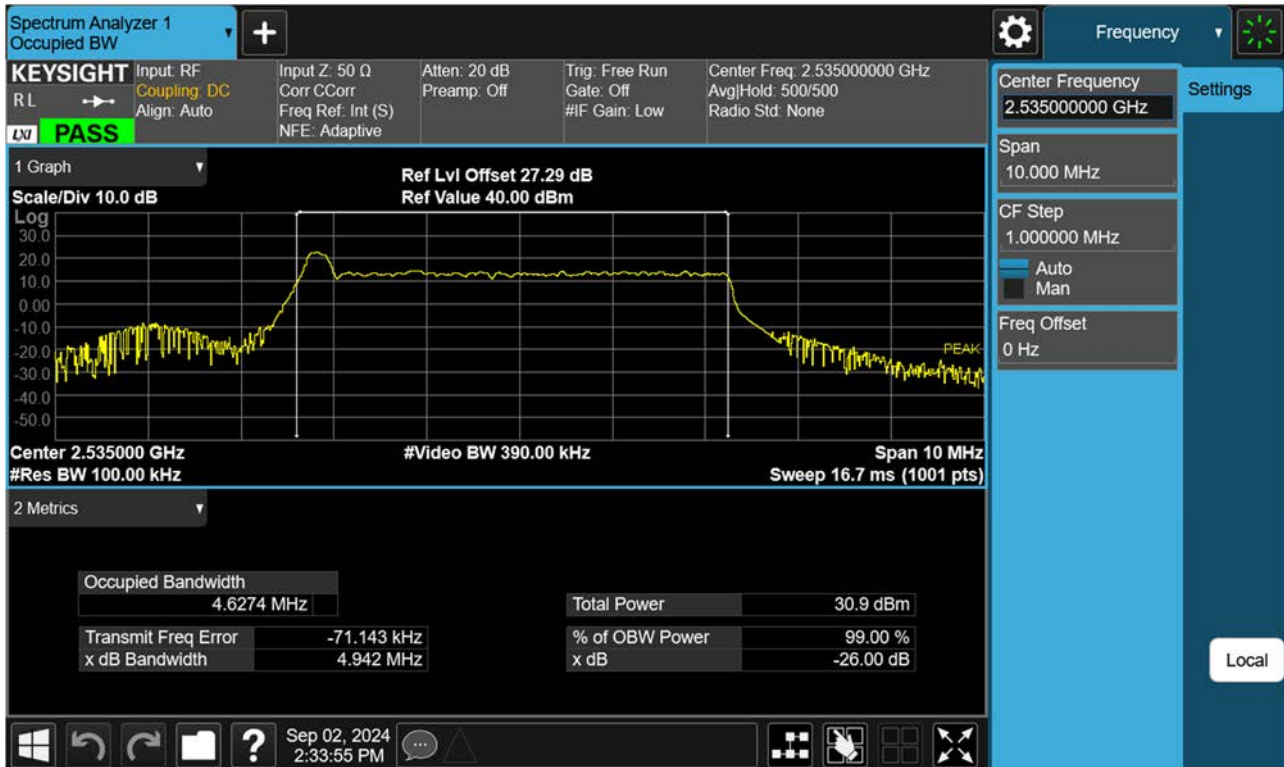
40 M_PAR_Mid_64QAM_FullRB



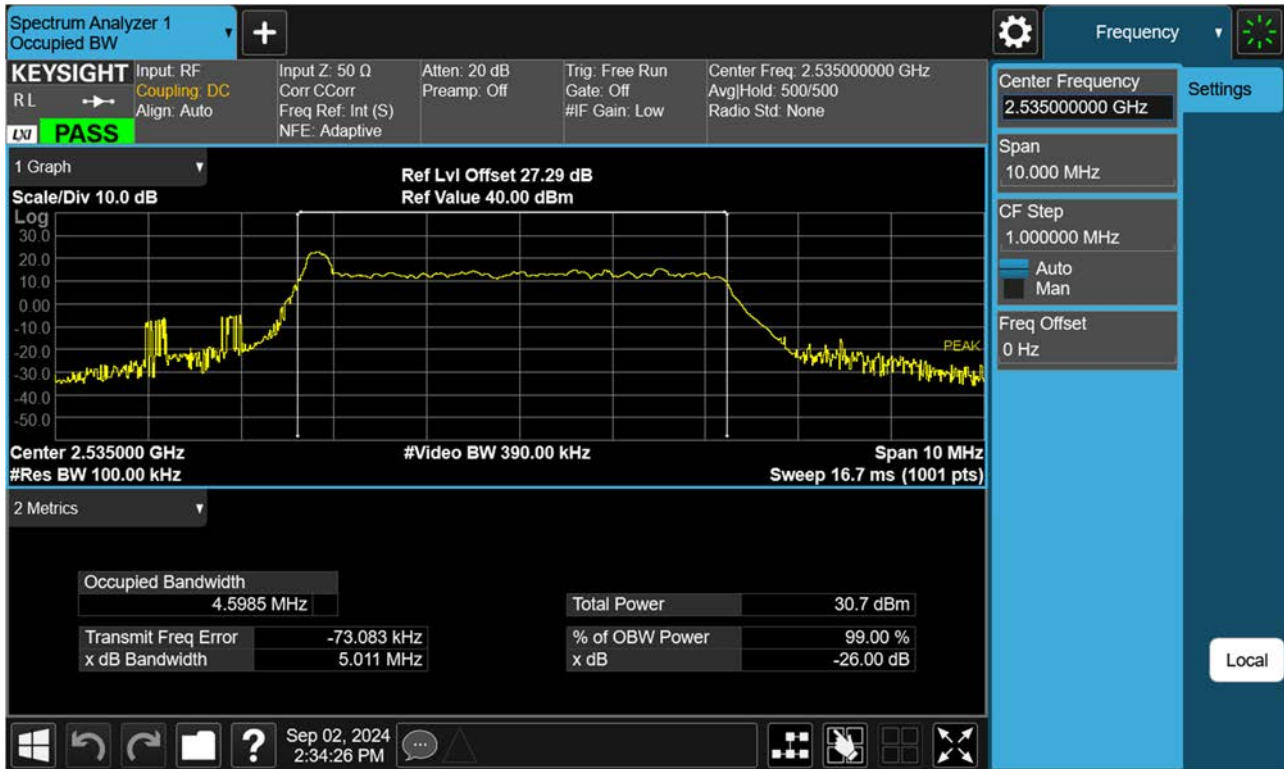
40 M_PAR_Mid_256QAM_FullRB



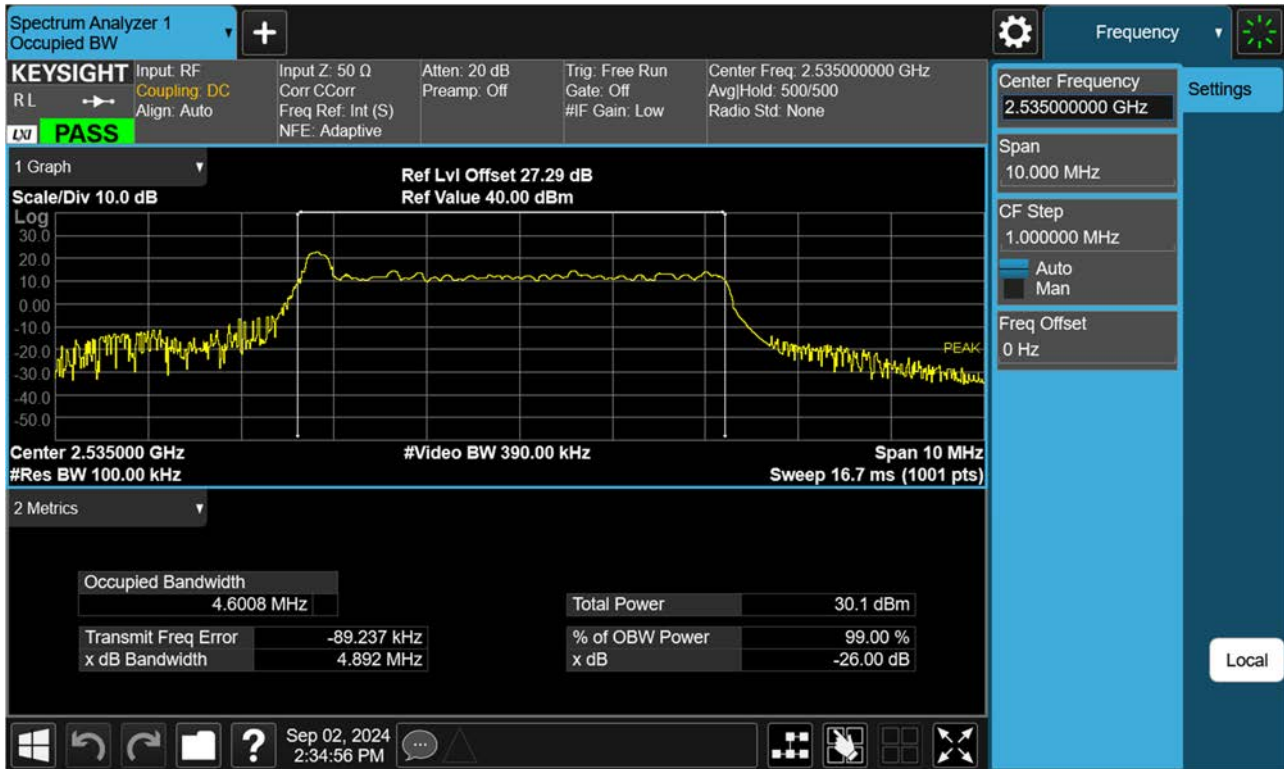
5 M_OBW_Mid_BPSK_FullRB



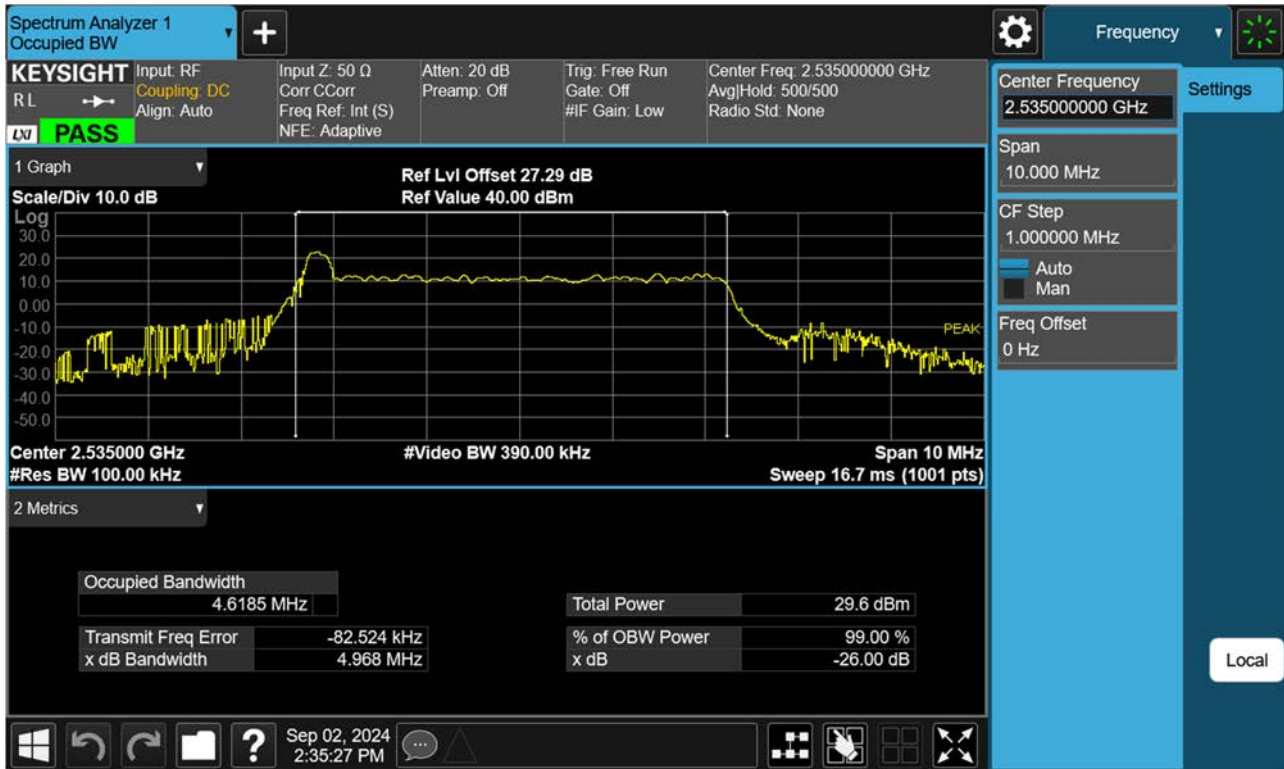
5 M_OBW_Mid_QPSK_FullRB



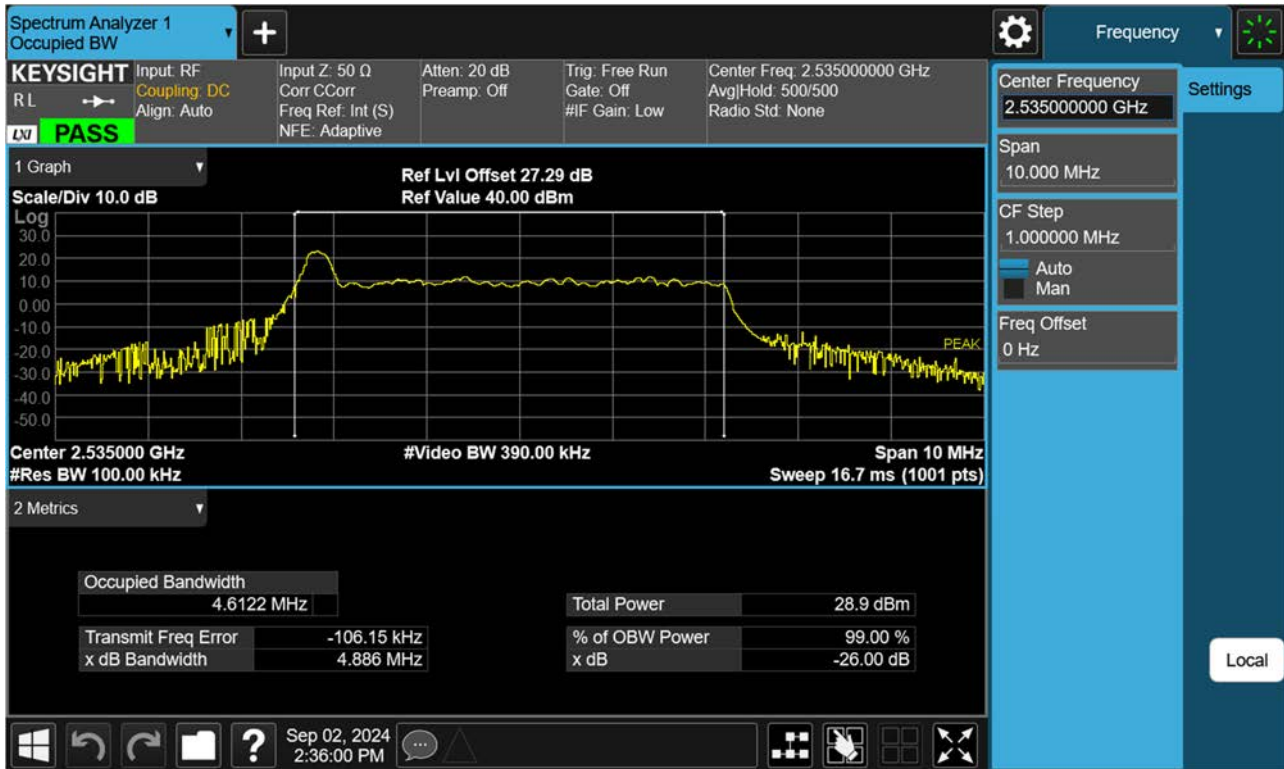
5 M_OBW_Mid_16QAM_FullRB



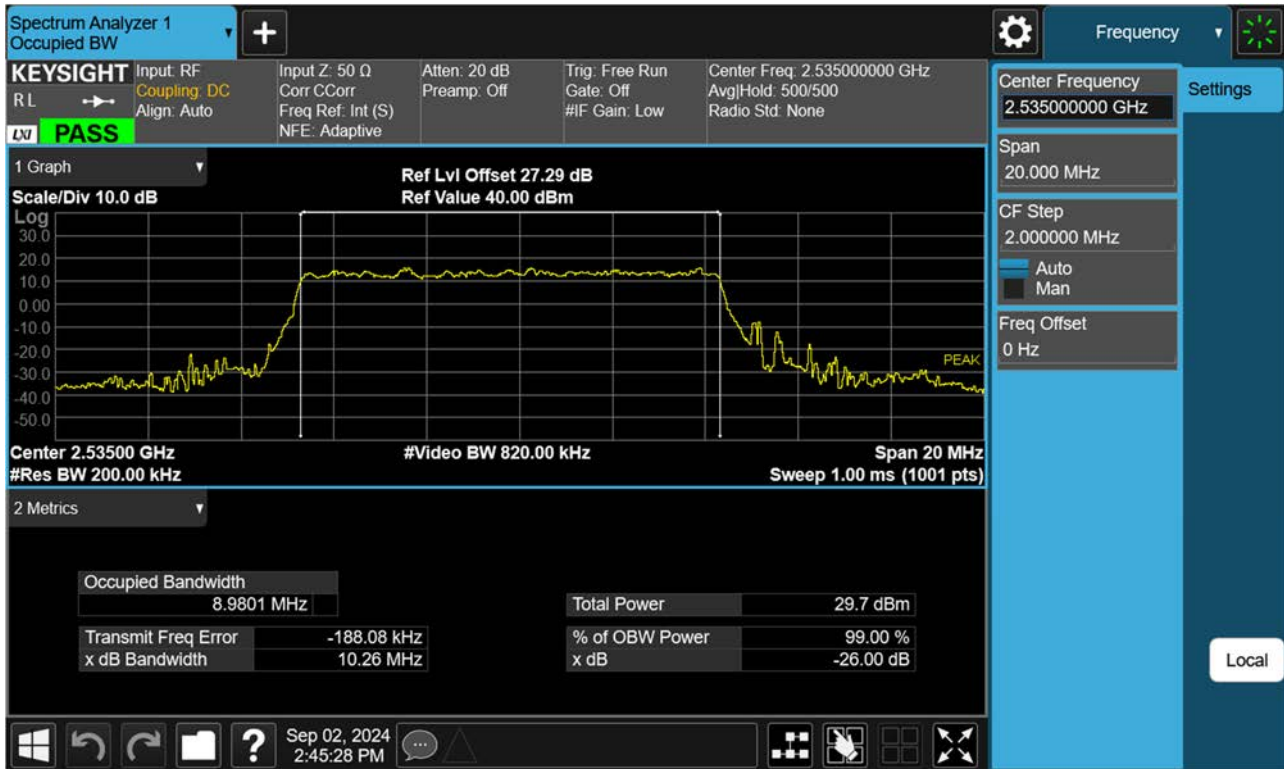
5 M_OBW_Mid_64QAM_FullRB



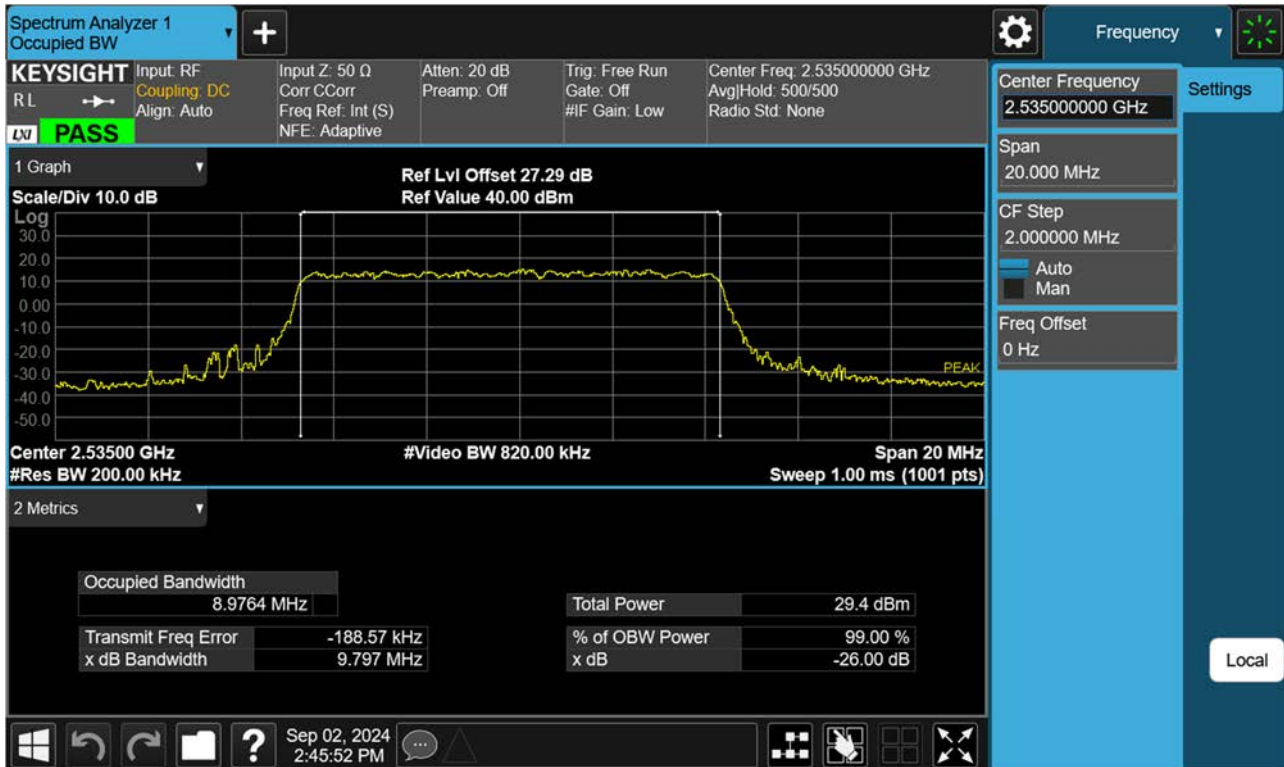
5 M_OBW_Mid_256QAM_FullIRB



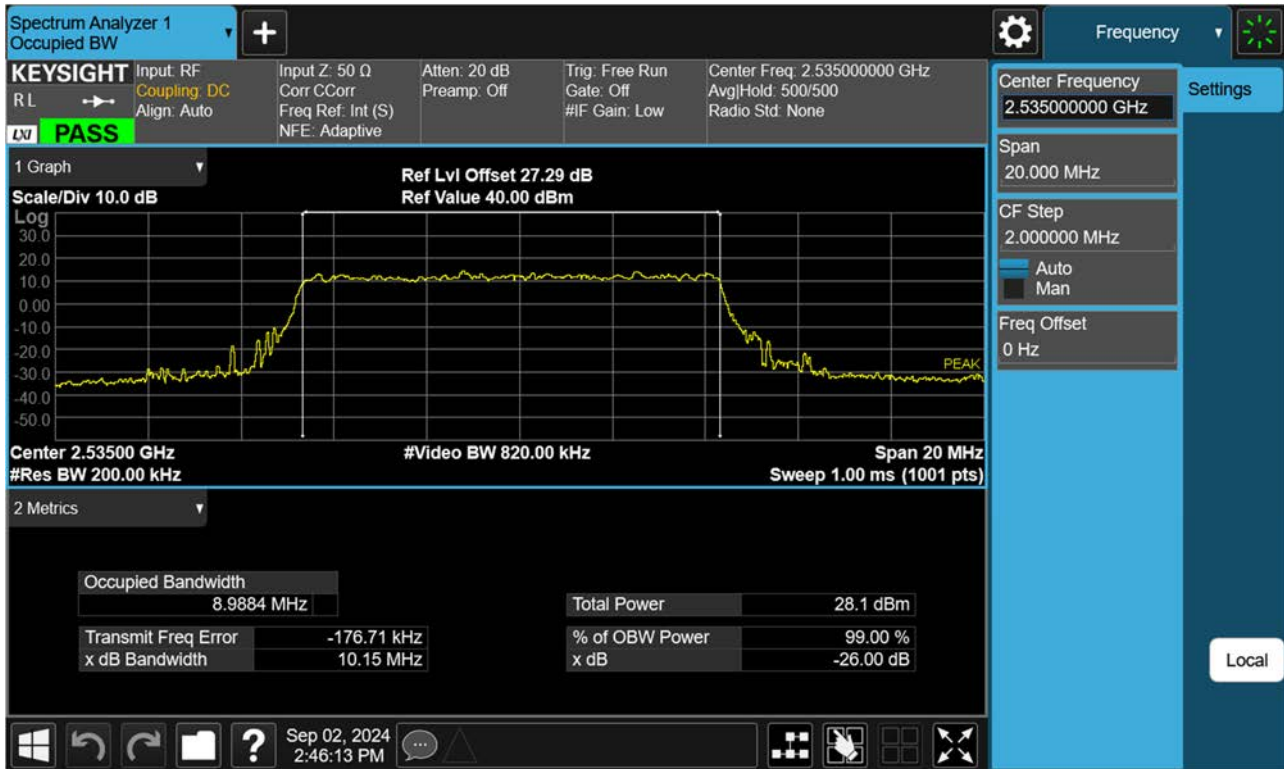
10 M_OBW_Mid_BPSK_FullRB



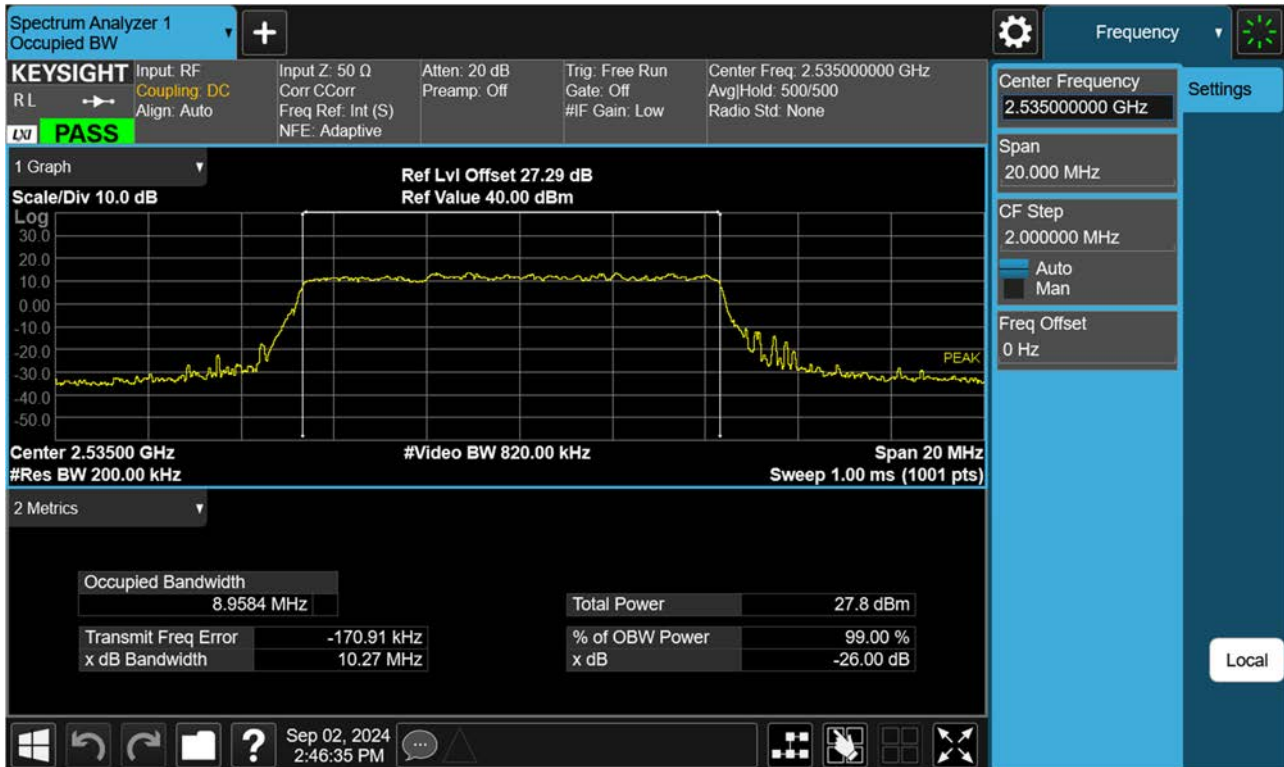
10 M_OBW_Mid_QPSK_FullRB



10 M_OBW_Mid_16QAM_FullRB



10 M_OBW_Mid_64QAM_FullIRB



10 M_OBW_Mid_256QAM_FullRB

