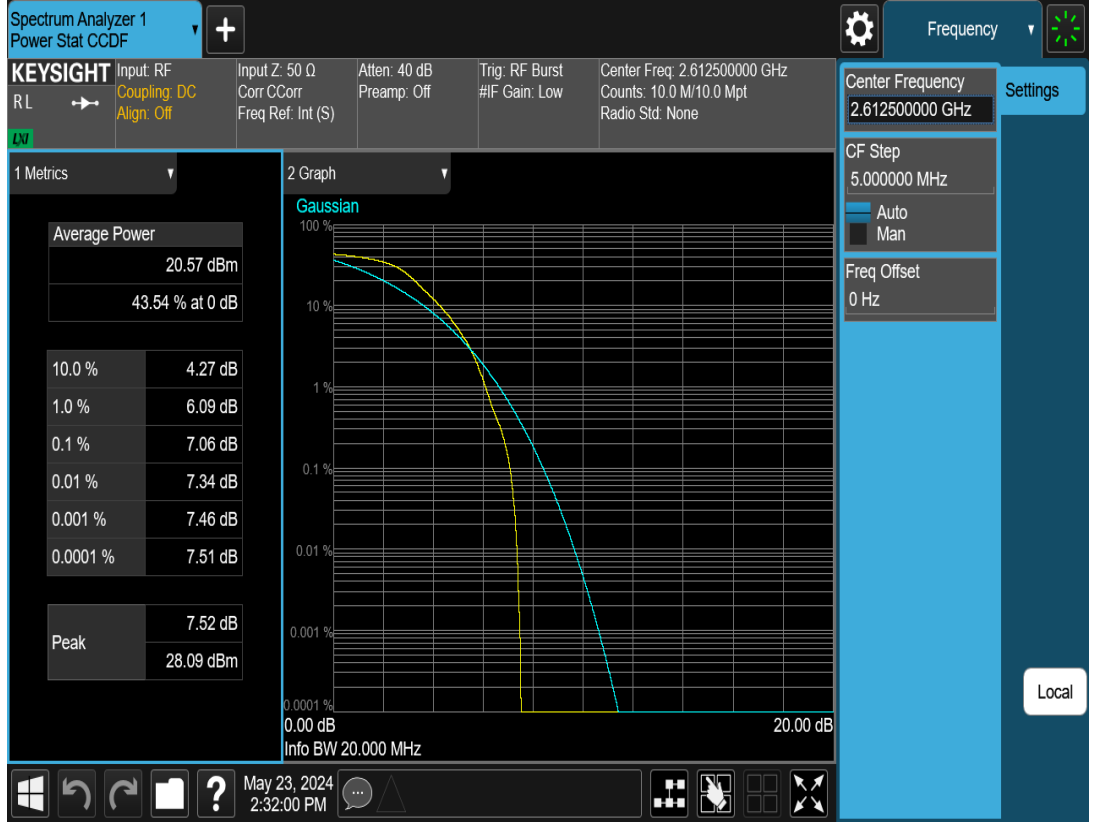
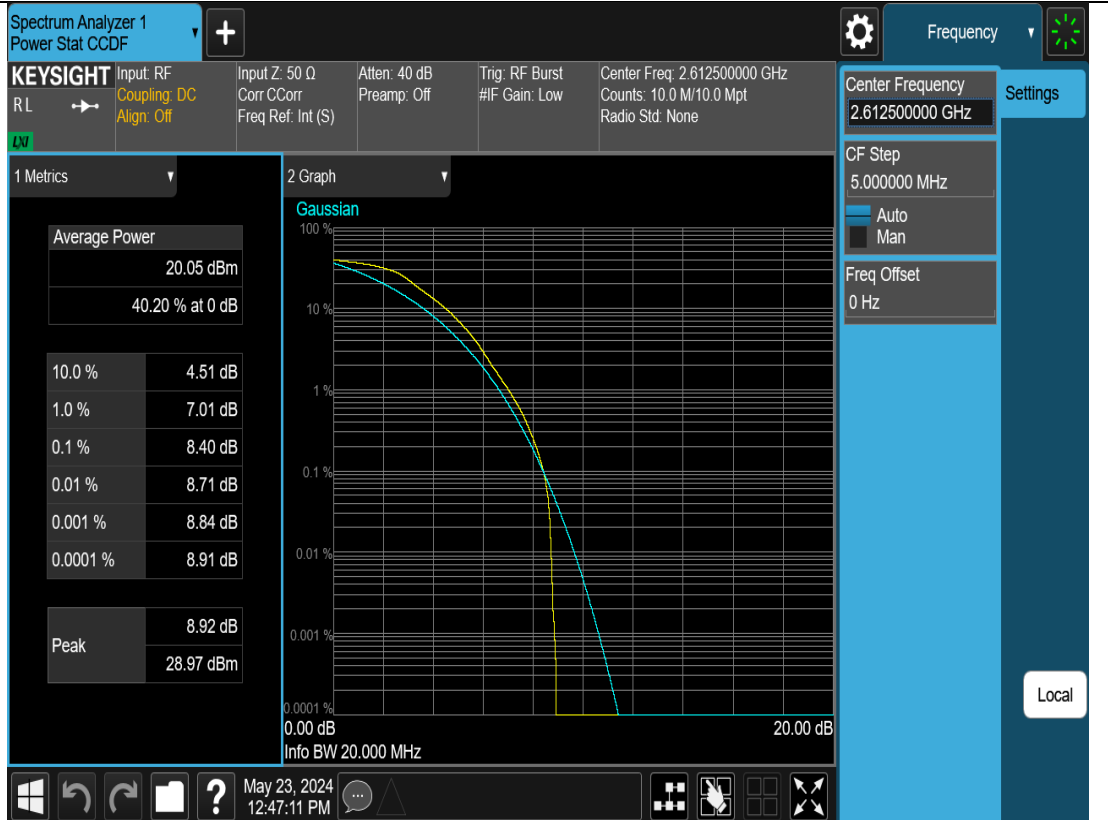


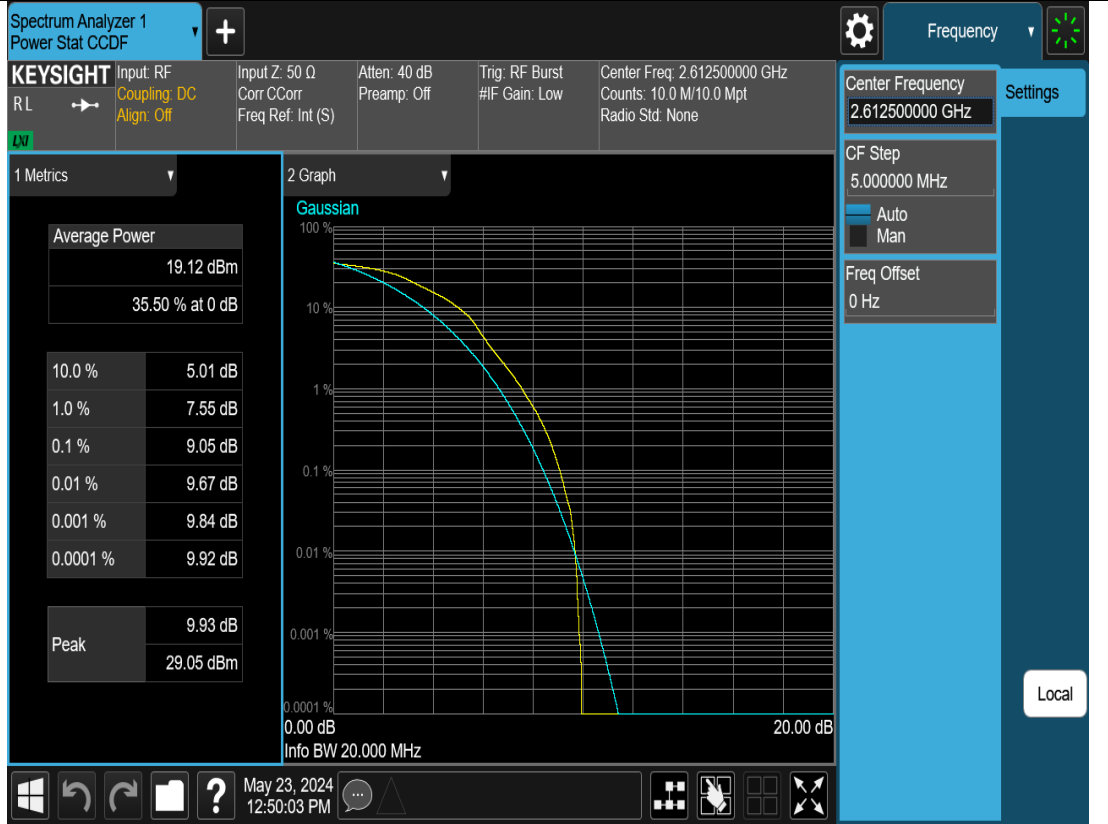
N38-15M-PAPR-H-DFT-s-OFDM-Pi2 BPSK-Outer_Full



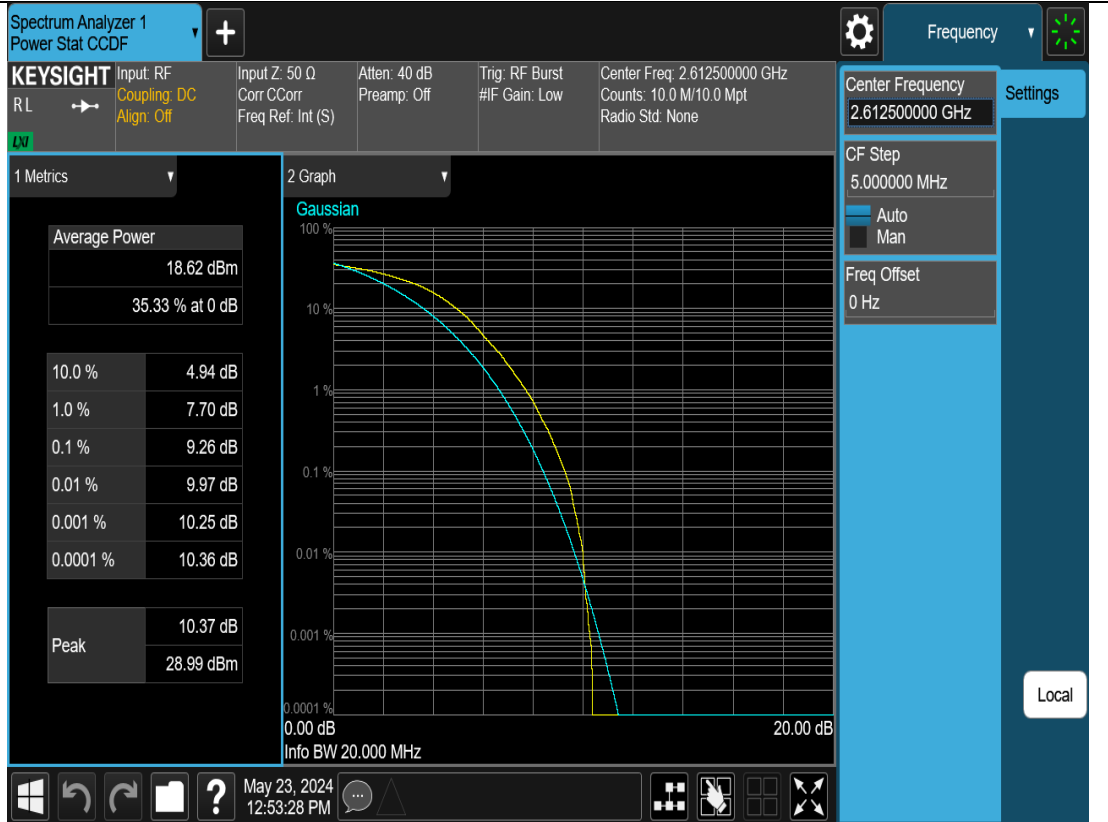
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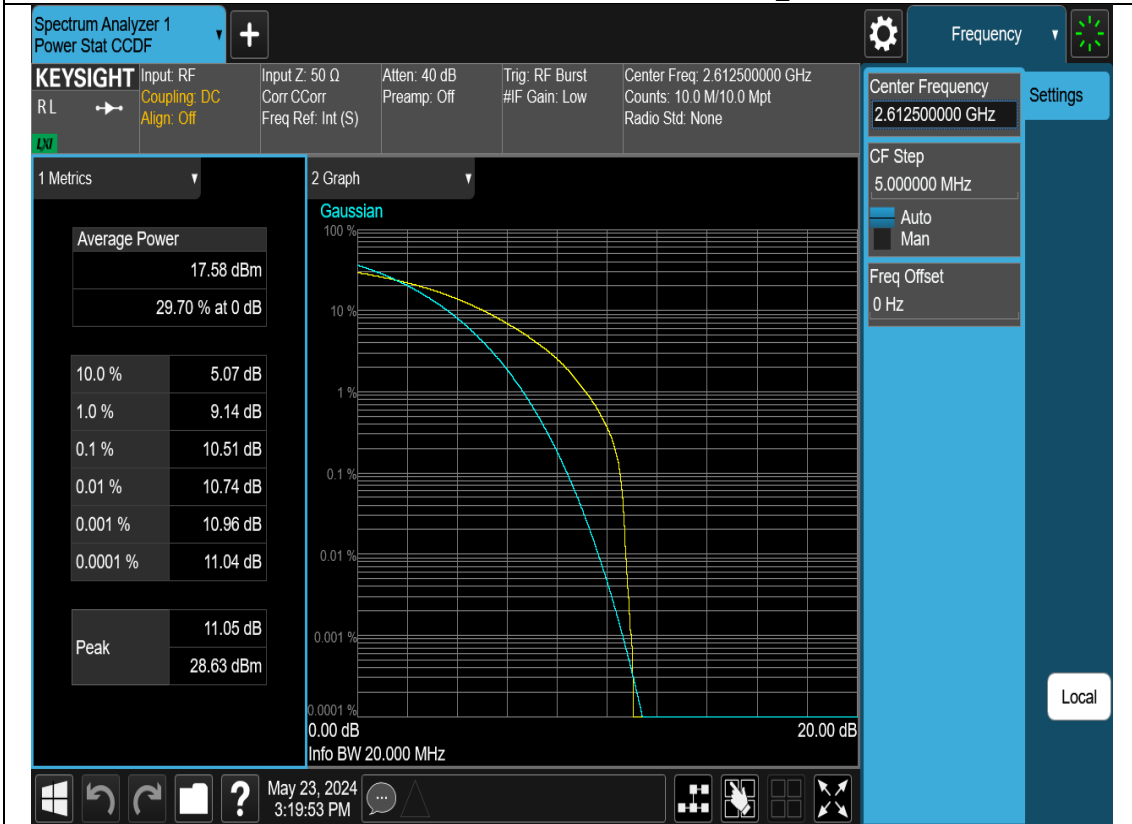
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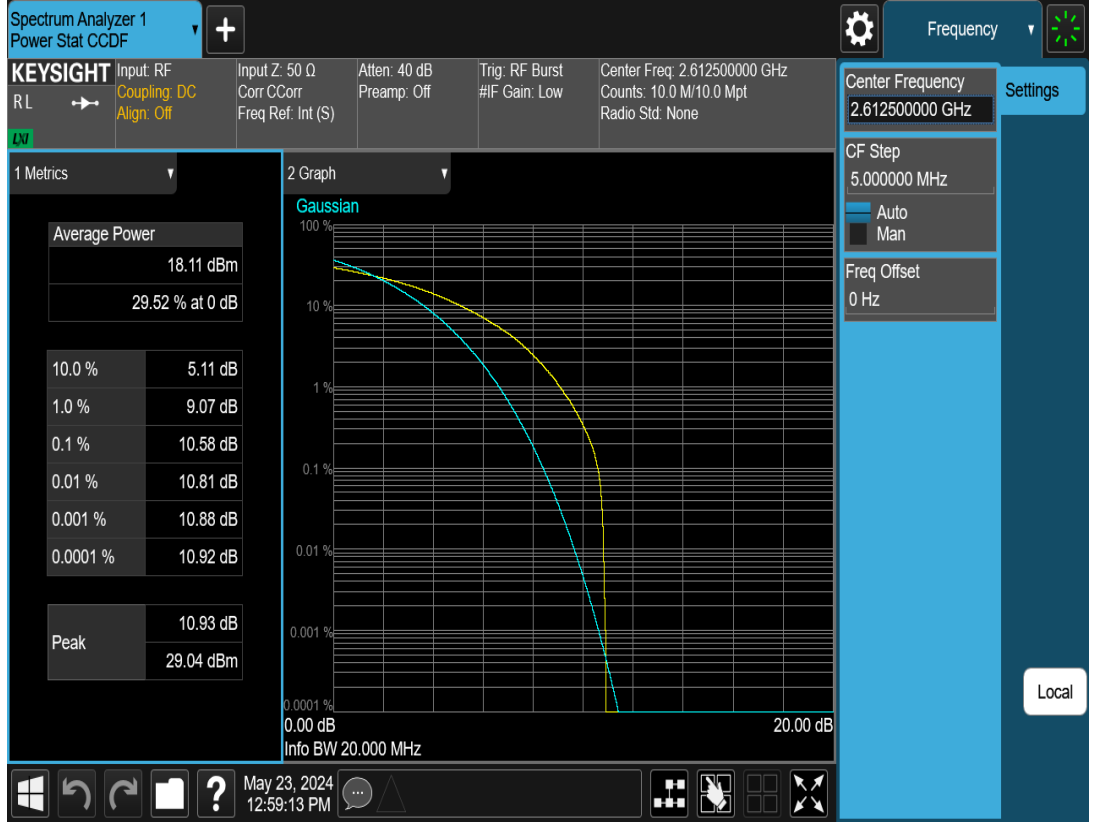
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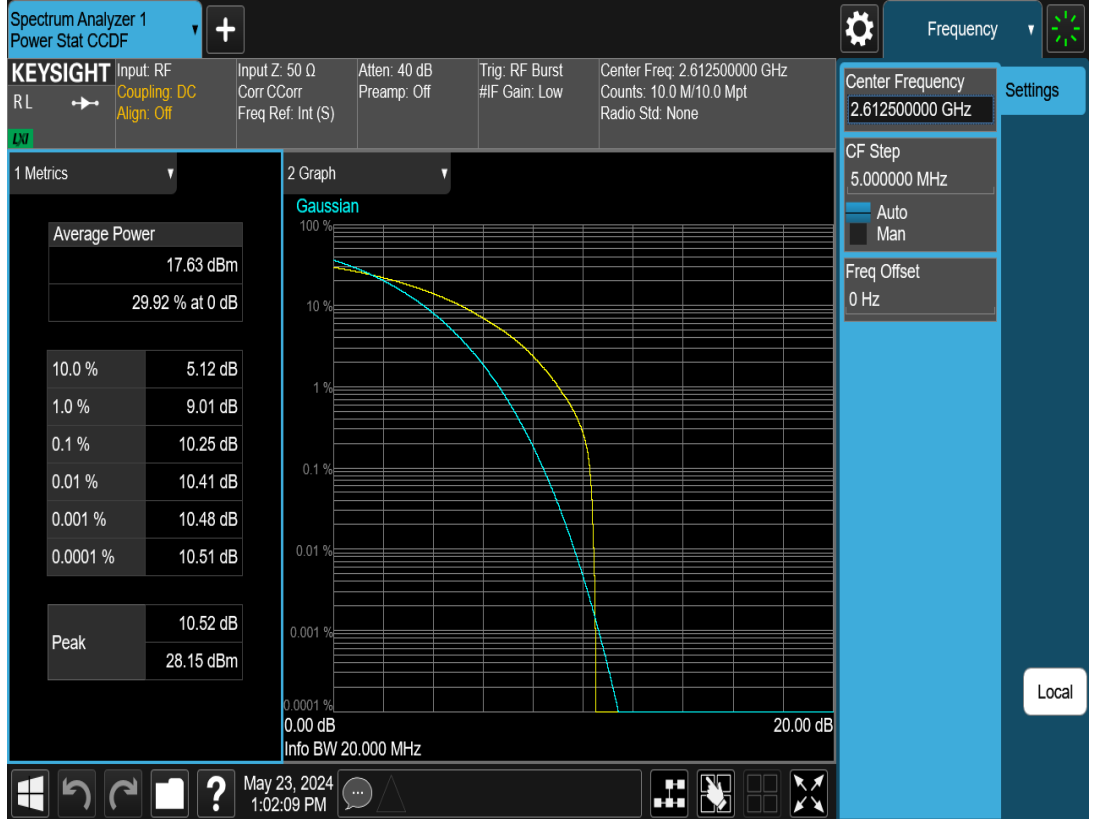
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N38-15M-PAPR-H-CP-OFDM-16QAM-Outer_Full



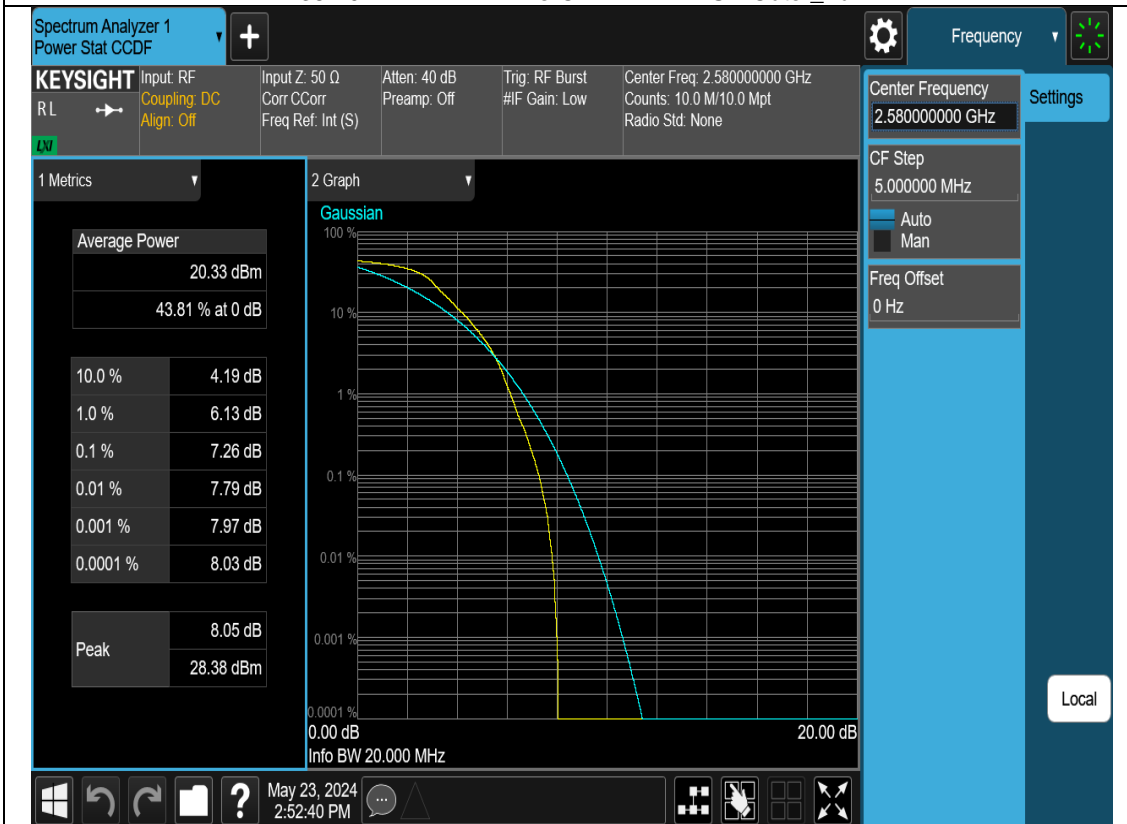
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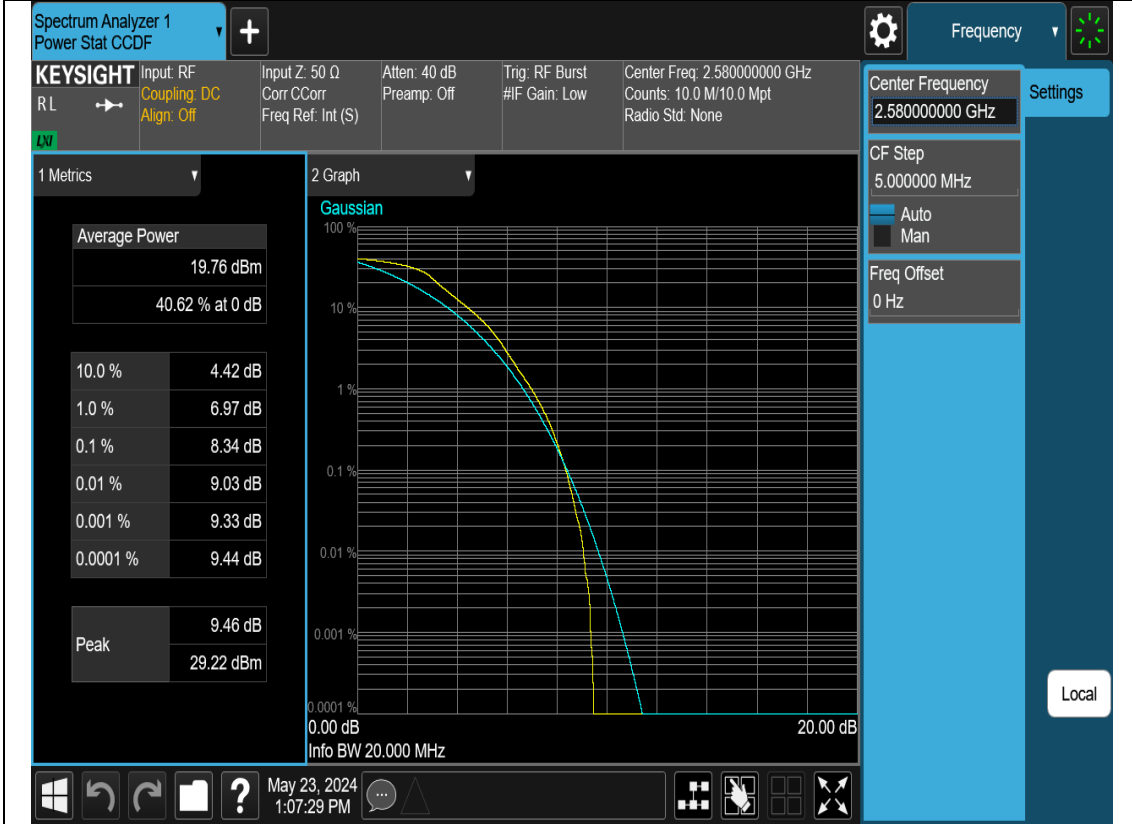
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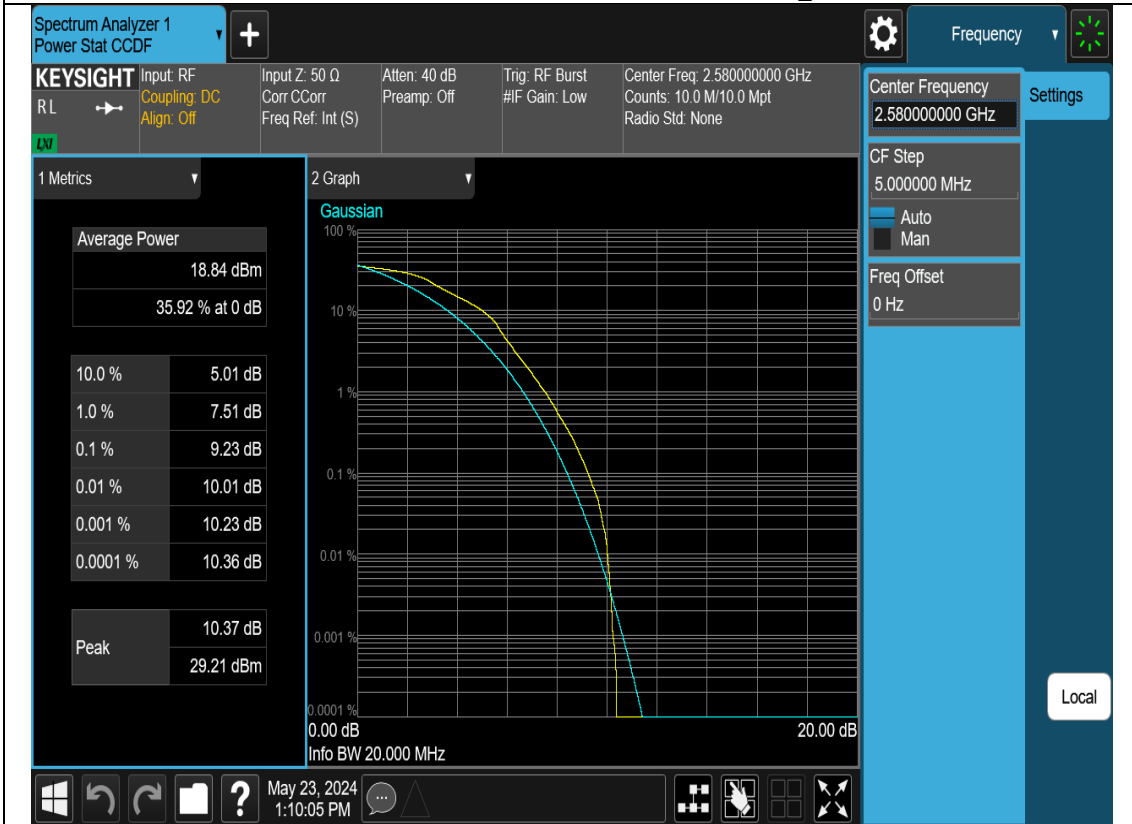
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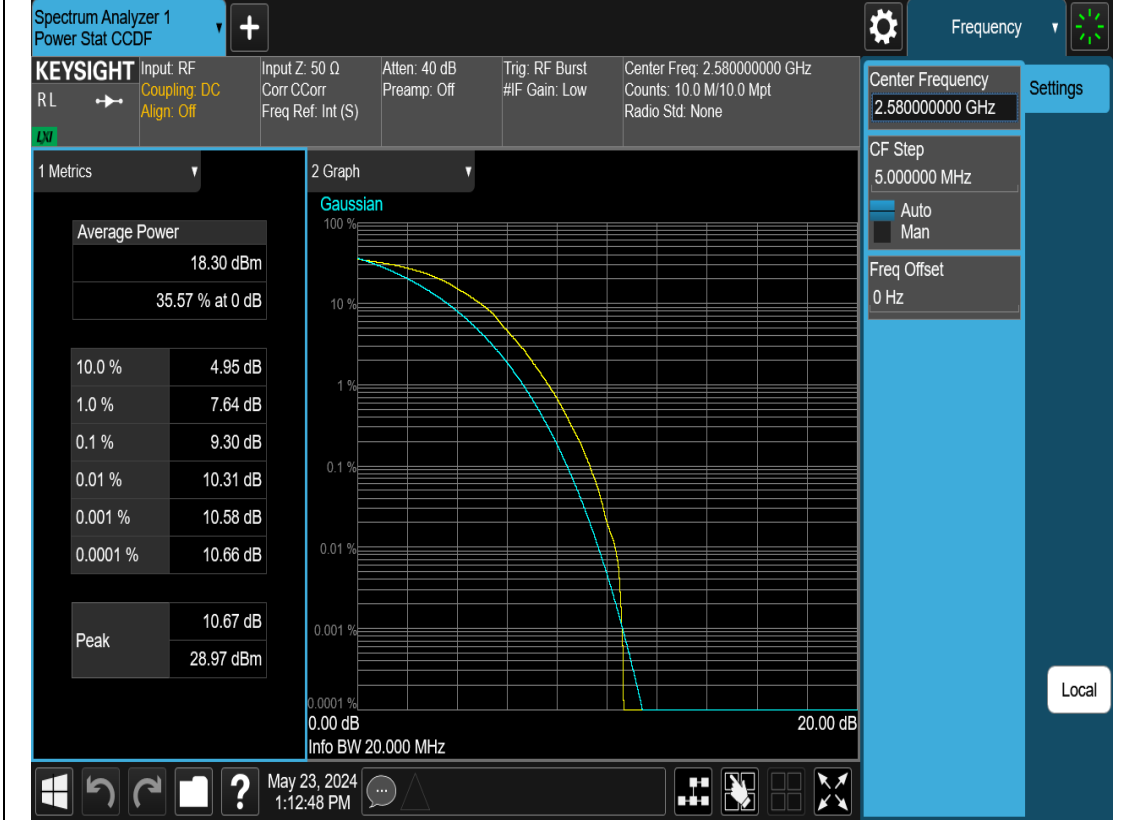
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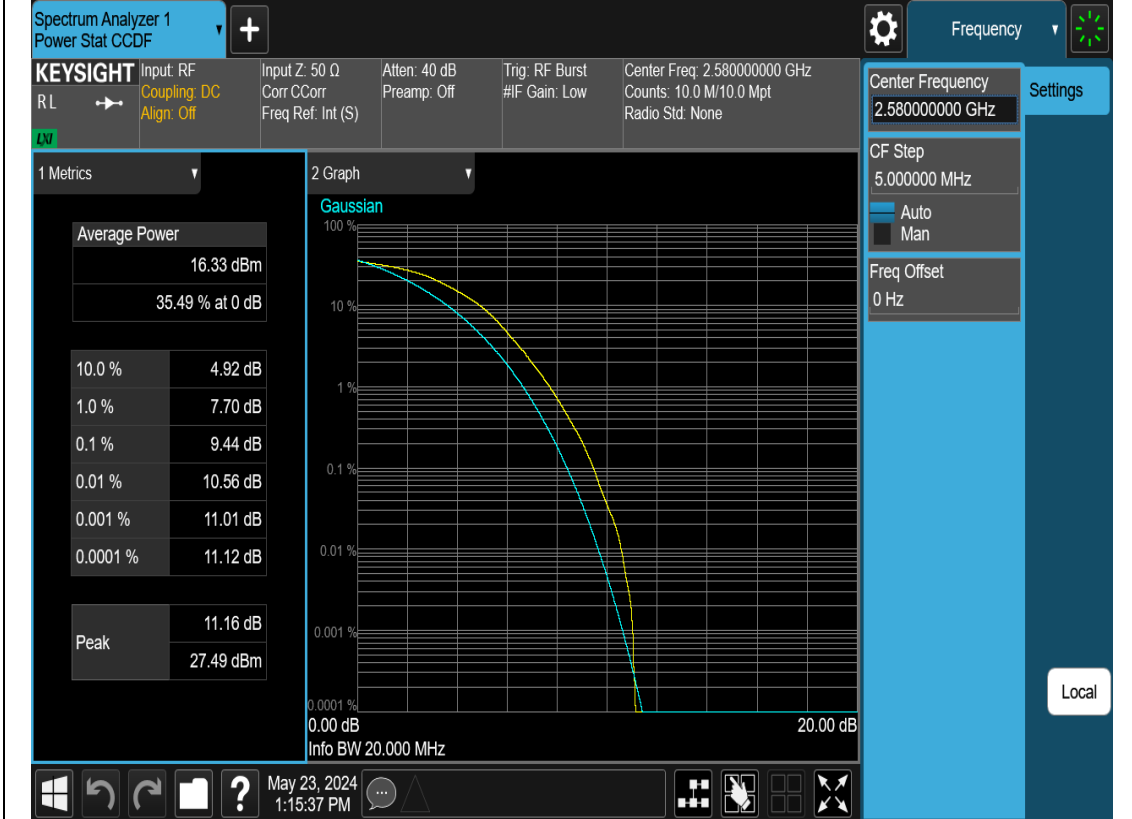
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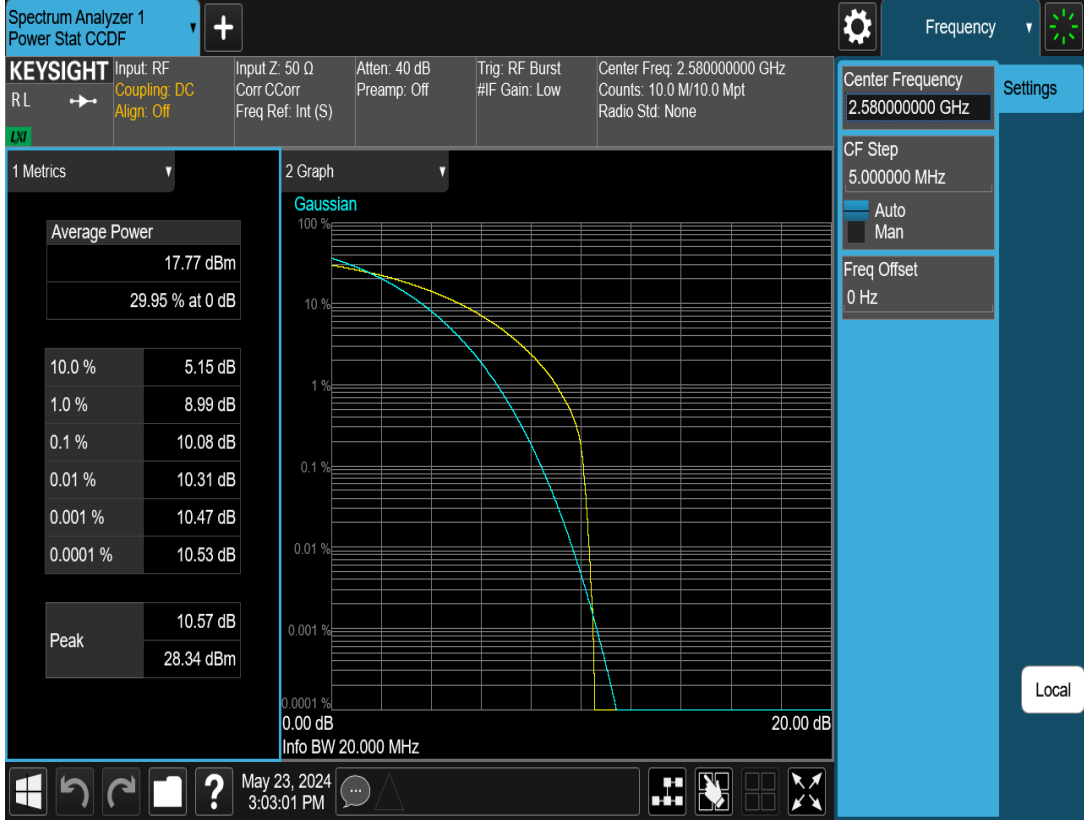
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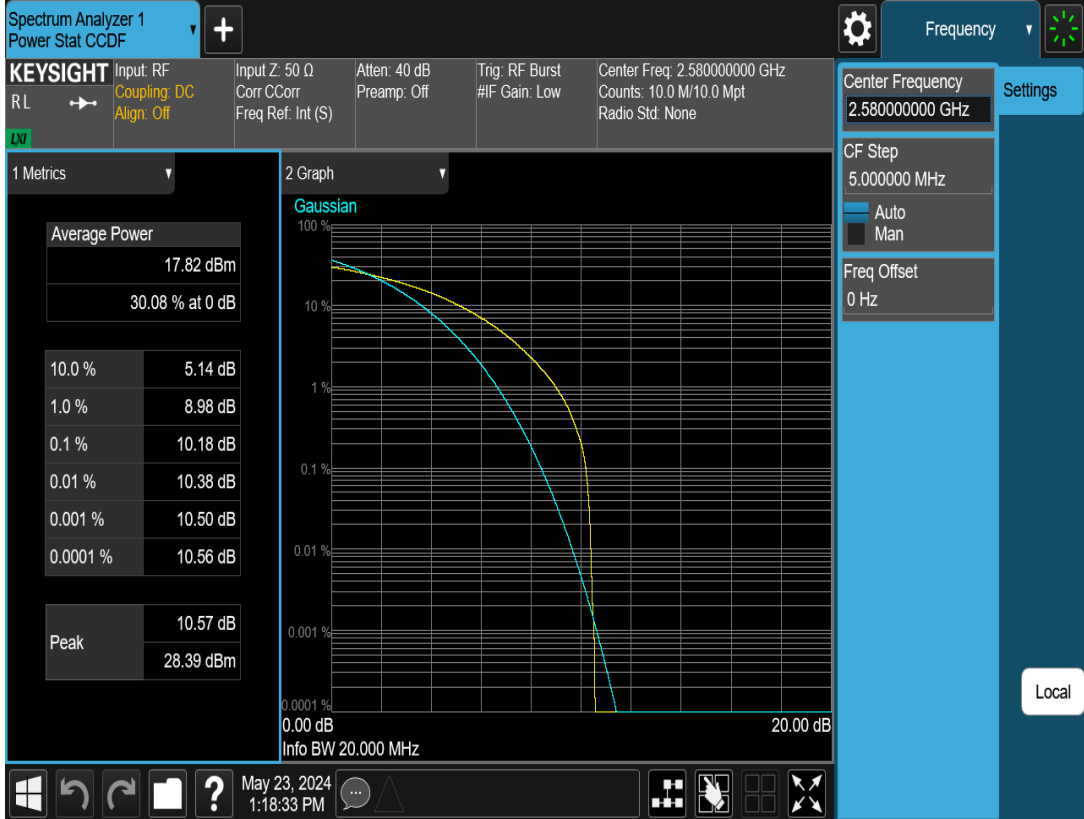
N38-20M-PAPR-L-DFT-s-OFDM-256QAM-Outer_Full



N38-20M-PAPR-L-CP-OFDM-QPSK-Outer_Full



N38-20M-PAPR-L-CP-OFDM-16QAM-Outer_Full



N38-20M-PAPR-L-CP-OFDM-64QAM-Outer_Full



N38-20M-PAPR-L-CP-OFDM-256QAM-Outer_Full



N38-20M-PAPR-M-DFT-s-OFDM-Pi2 BPSK-Outer_Full

Spectrum Analyzer 1
Power Stat CCDF

KEYSIGHT Input RF
R.L. Coupling: DC
Align: Off

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

Atten: 40 dB
Preamp: Off

Trig: RF Burst
#IF Gain: Low

Center Freq: 2.595000000 GHz
Counts: 10.0 M/10.0 Mpt
Radio Std: None

Center Frequency: 2.595000000 GHz

CF Step: 5.000000 MHz

Freq Offset: 0 Hz

1 Metrics

Average Power

20.56 dBm

43.77 % at 0 dB

10.0 %	4.20 dB
1.0 %	6.12 dB
0.1 %	7.20 dB
0.01 %	7.57 dB
0.001 %	7.70 dB
0.0001 %	7.75 dB

Peak

7.75 dB

28.31 dBm

2 Graph

Gaussian

0.0001 %

0.001 %

0.01 %

0.1 %

1 %

10 %

100 %

0.00 dB

20.00 dB

Info BW 20.000 MHz

May 23, 2024
2:56:19 PM

Local

N38-20M-PAPR-M-DFT-s-OFDM-QPSK-Outer_Full

Spectrum Analyzer 1
Power Stat CCDF

KEYSIGHT Input RF
R.L. Coupling: DC
Align: Off

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

Atten: 40 dB
Preamp: Off

Trig: RF Burst
#IF Gain: Low

Center Freq: 2.595000000 GHz
Counts: 10.0 M/10.0 Mpt
Radio Std: None

Center Frequency: 2.595000000 GHz

CF Step: 5.000000 MHz

Freq Offset: 0 Hz

1 Metrics

Average Power

20.02 dBm

40.63 % at 0 dB

10.0 %	4.43 dB
1.0 %	6.96 dB
0.1 %	8.30 dB
0.01 %	8.88 dB
0.001 %	9.17 dB
0.0001 %	9.21 dB

Peak

9.22 dB

29.24 dBm

2 Graph

Gaussian

0.0001 %

0.001 %

0.01 %

0.1 %

1 %

10 %

100 %

0.00 dB

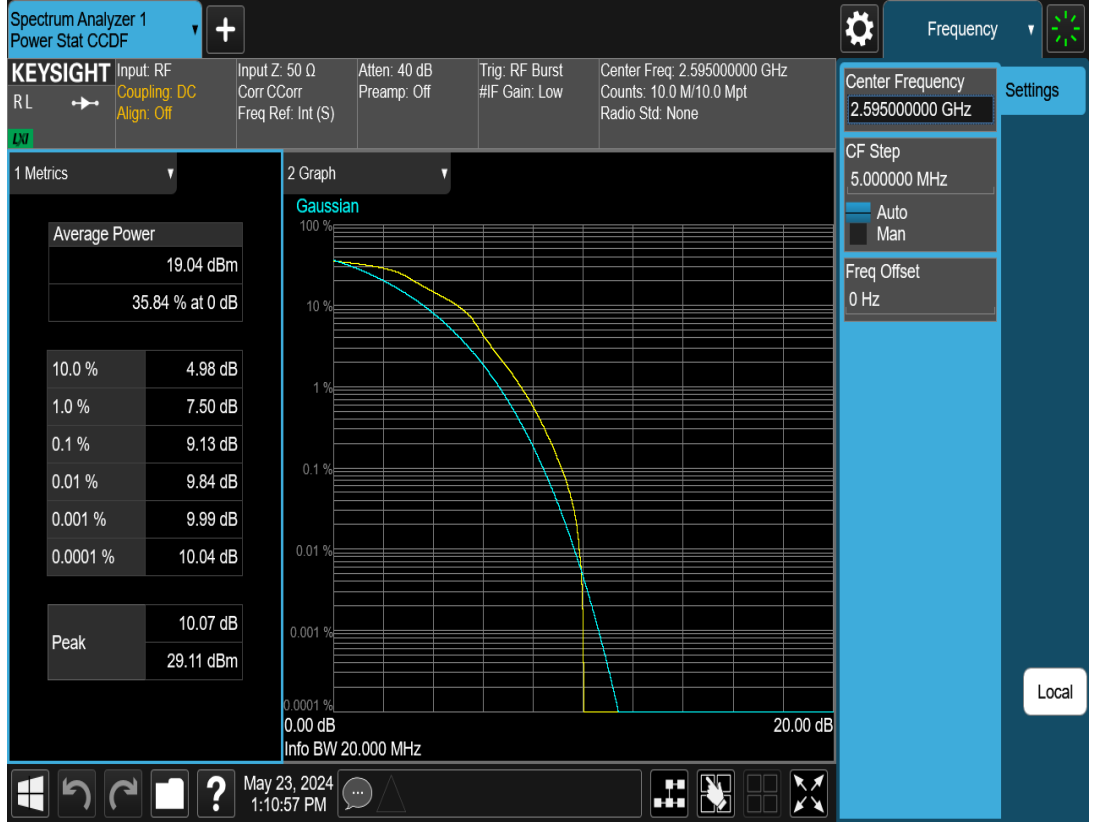
20.00 dB

Info BW 20.000 MHz

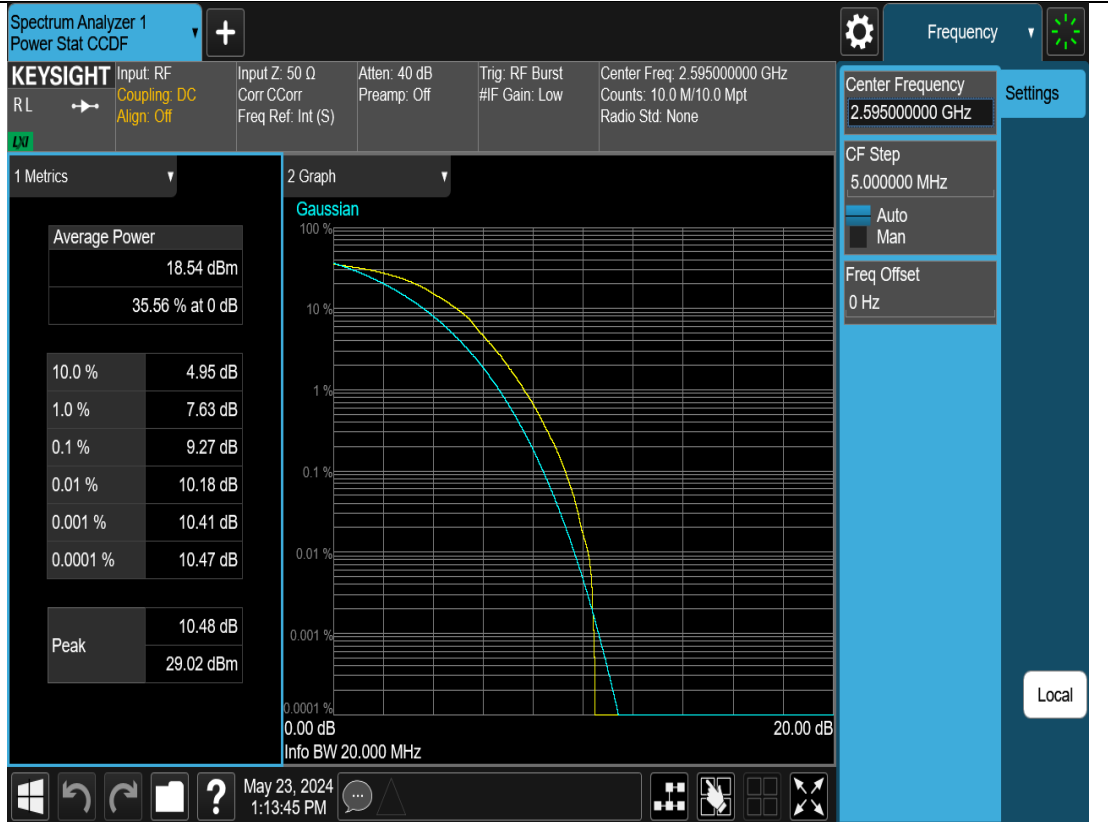
May 23, 2024
1:08:21 PM

Local

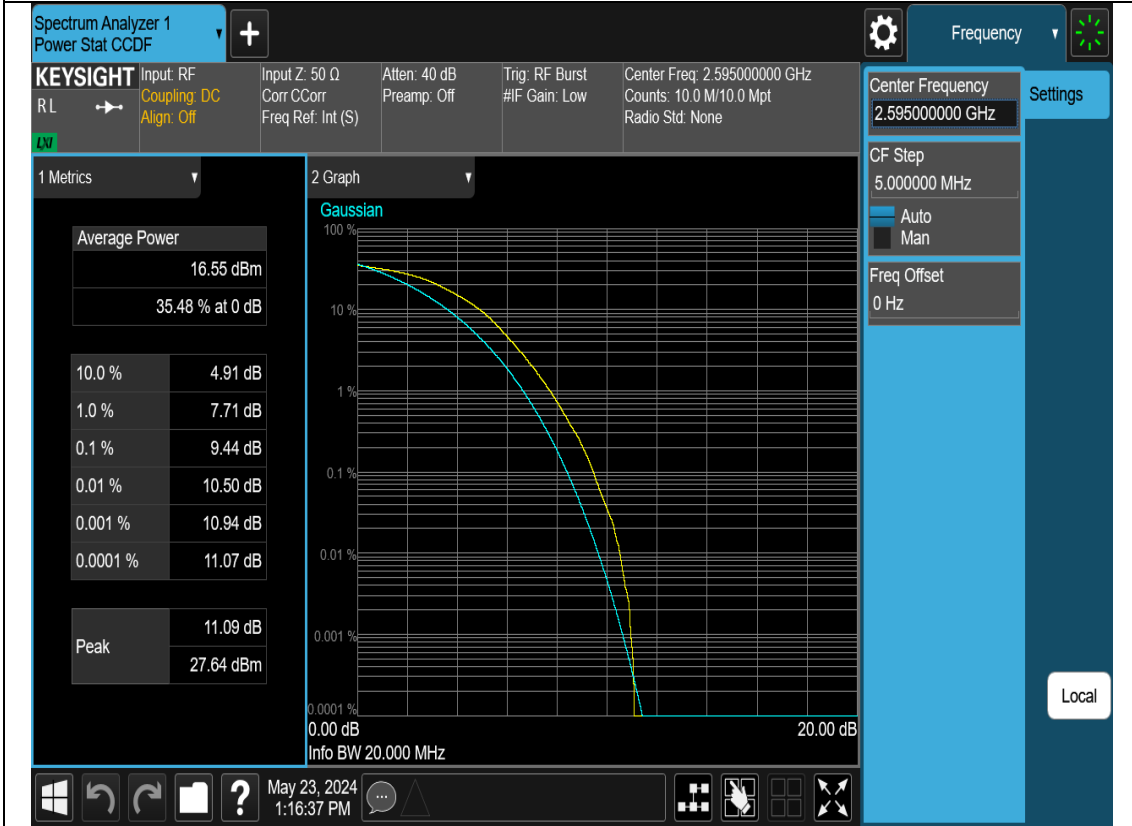
N38-20M-PAPR-M-DFT-s-OFDM-16QAM-Outer_Full



N38-20M-PAPR-M-DFT-s-OFDM-64QAM-Outer_Full



N38-20M-PAPR-M-DFT-s-OFDM-256QAM-Outer_Full



N38-20M-PAPR-M-CP-OFDM-QPSK-Outer_Full



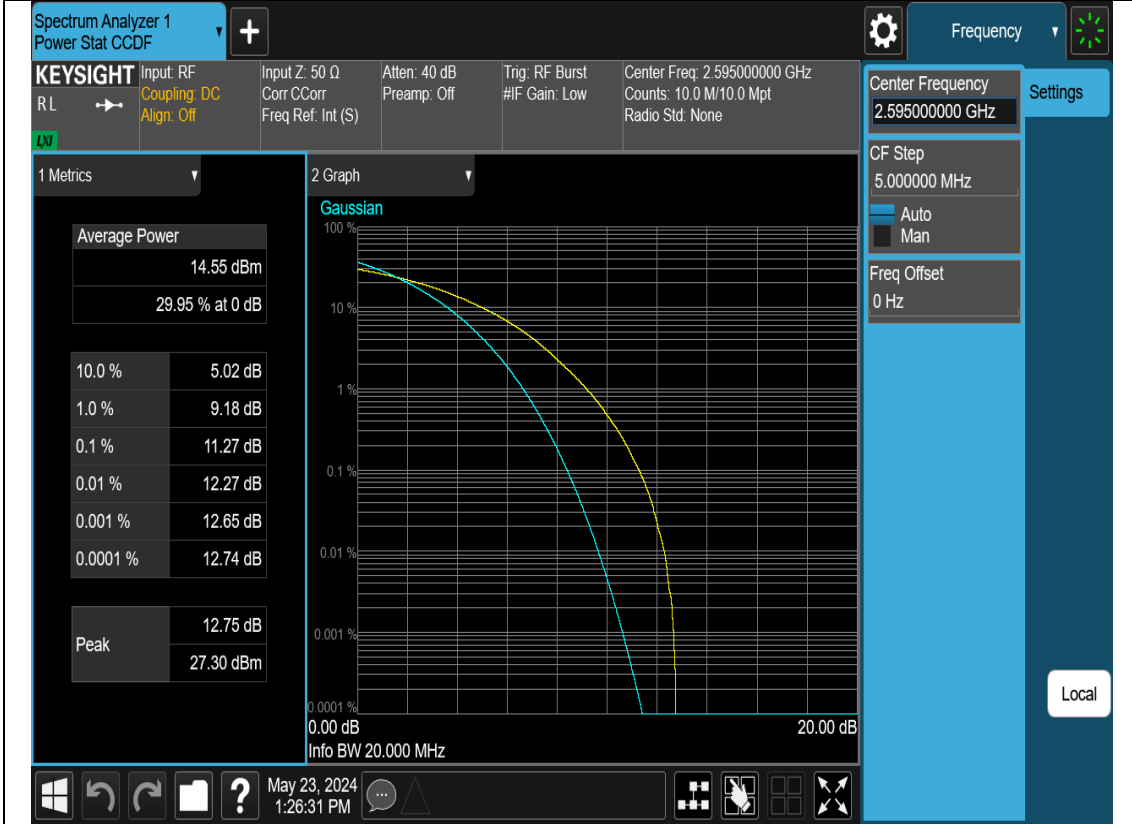
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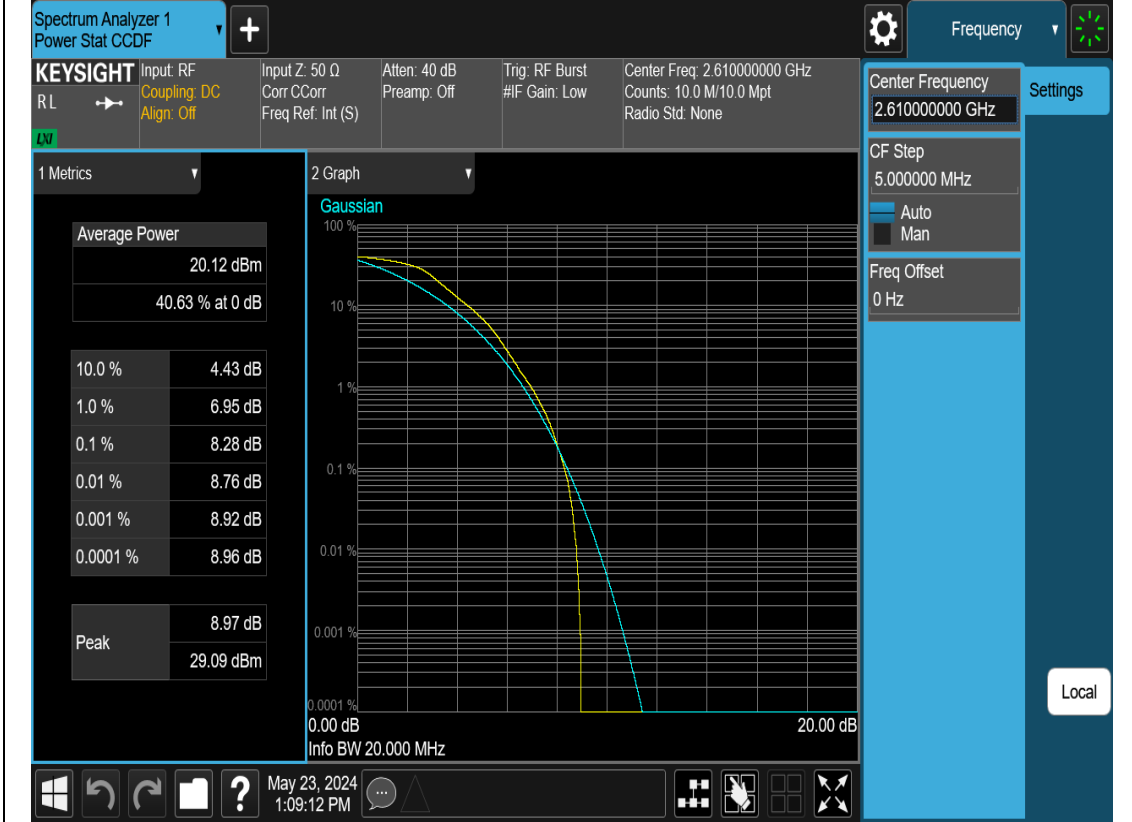
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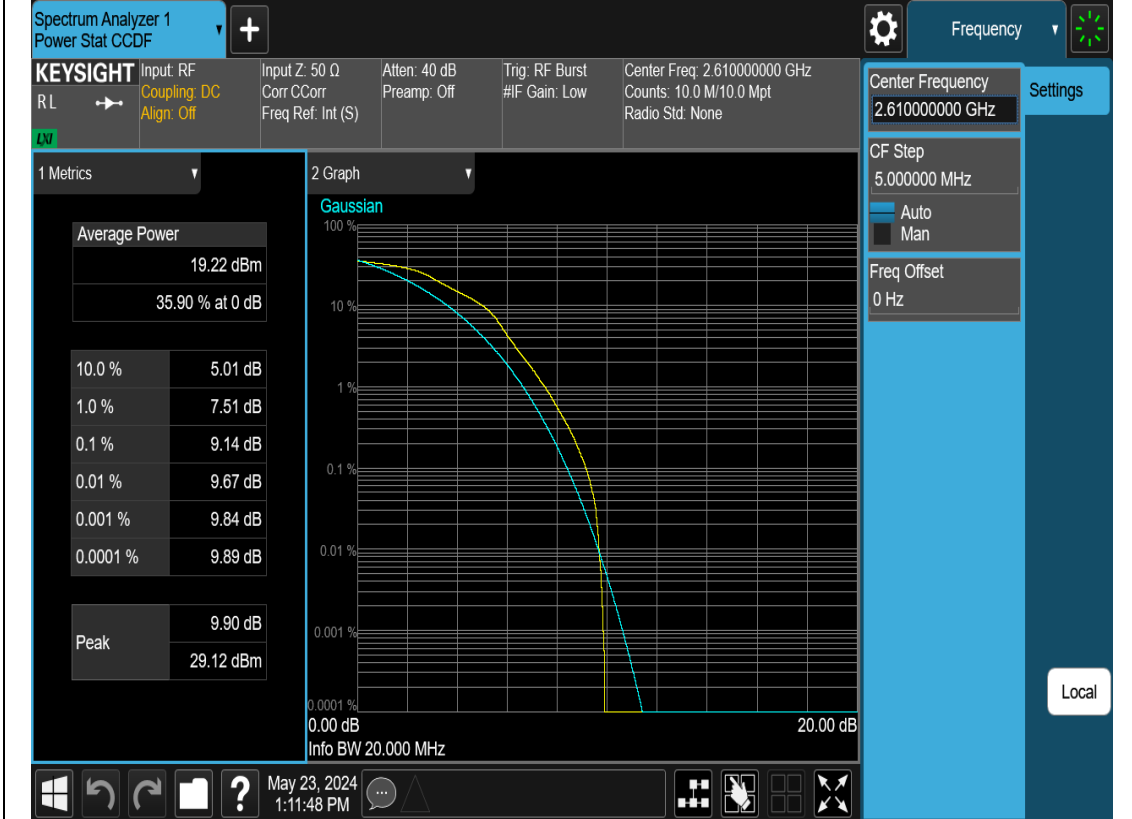
N38-20M-PAPR-H-DFT-s-OFDM-Pi2 BPSK-Outer_Full



N38-20M-PAPR-H-DFT-s-OFDM-QPSK-Outer_Full



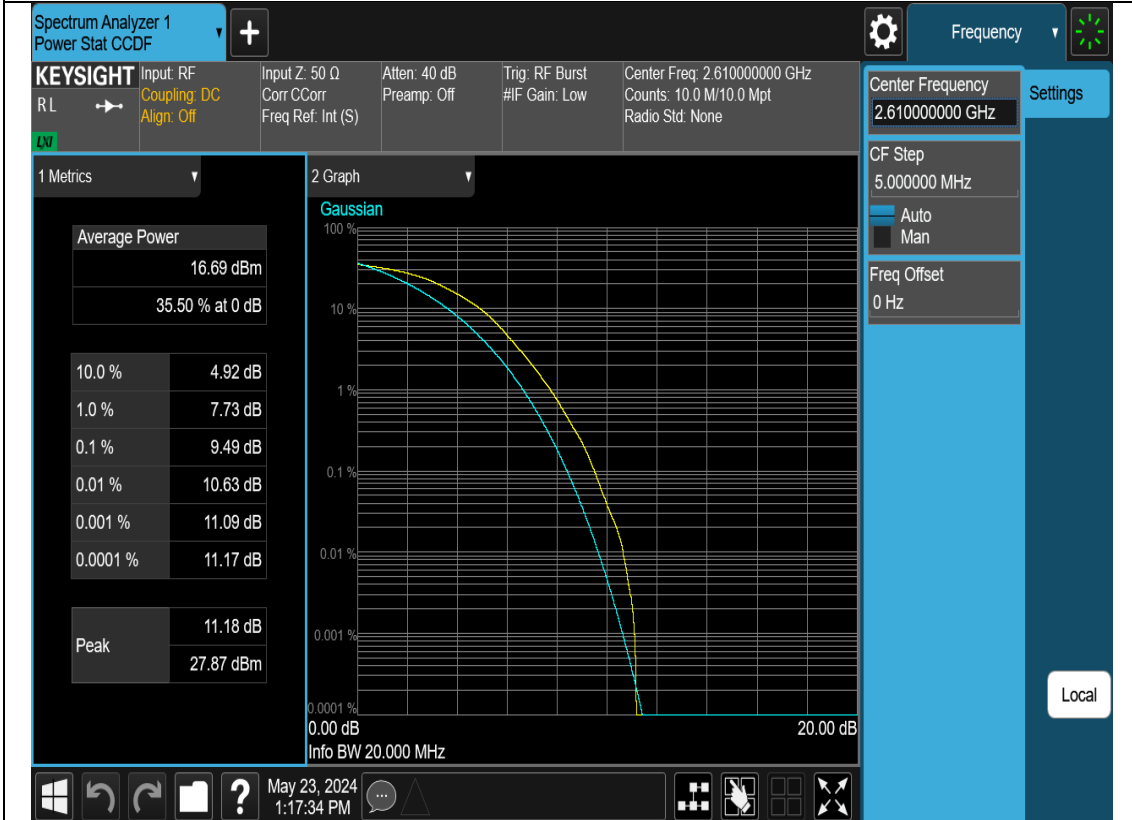
N38-20M-PAPR-H-DFT-s-OFDM-16QAM-Outer_Full



N38-20M-PAPR-H-DFT-s-OFDM-64QAM-Outer_Full



N38-20M-PAPR-H-DFT-s-OFDM-256QAM-Outer_Full



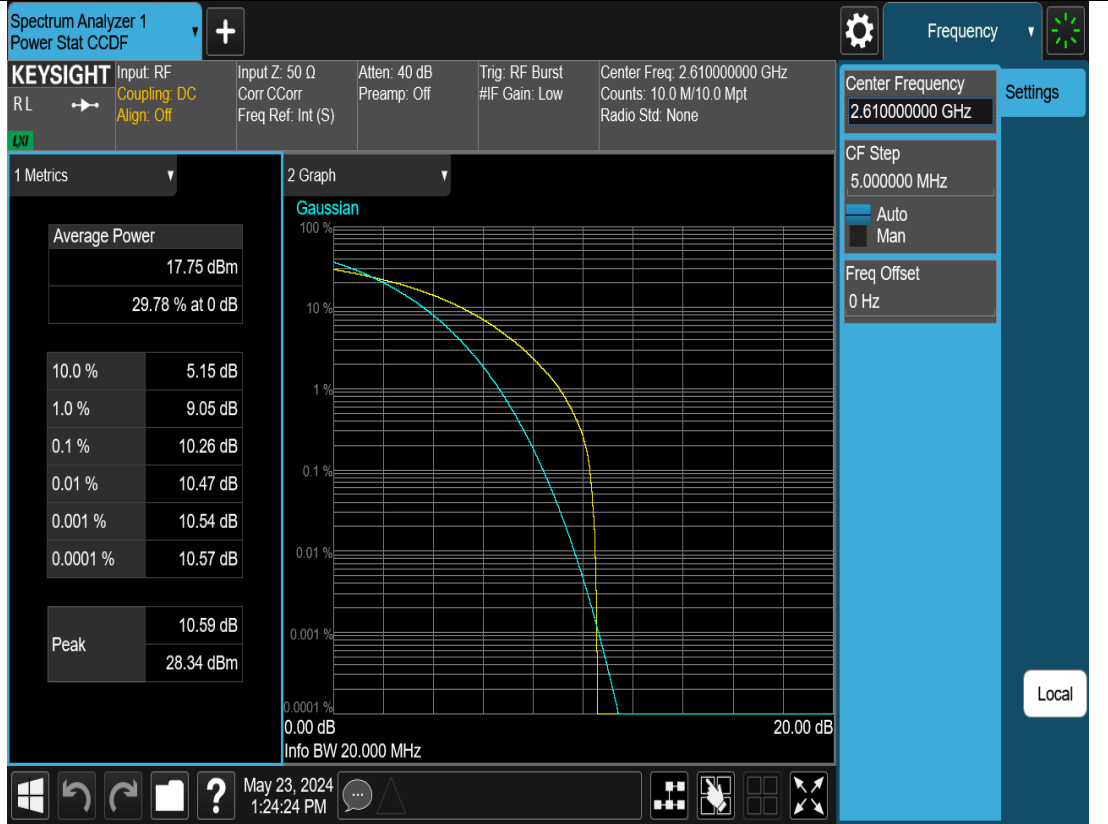
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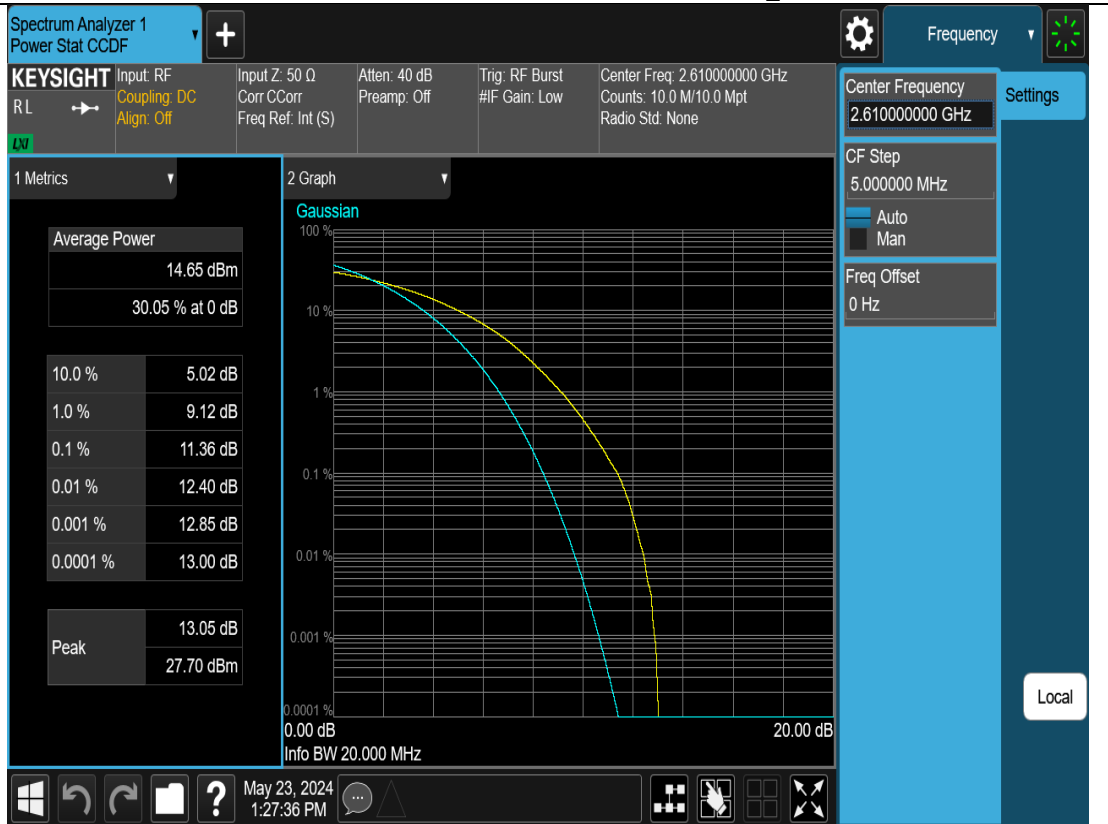
N38-20M-PAPR-H-CP-OFDM-16QAM-Outer_Full



N38-20M-PAPR-H-CP-OFDM-64QAM-Outer_Full



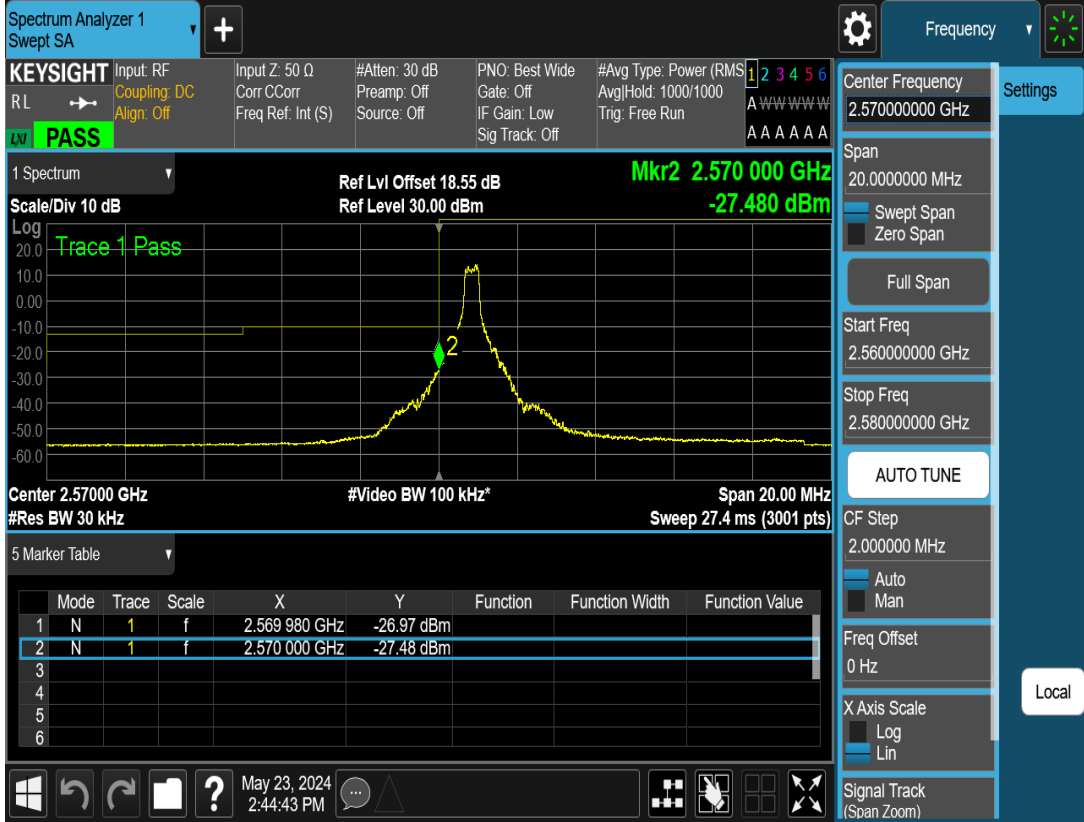
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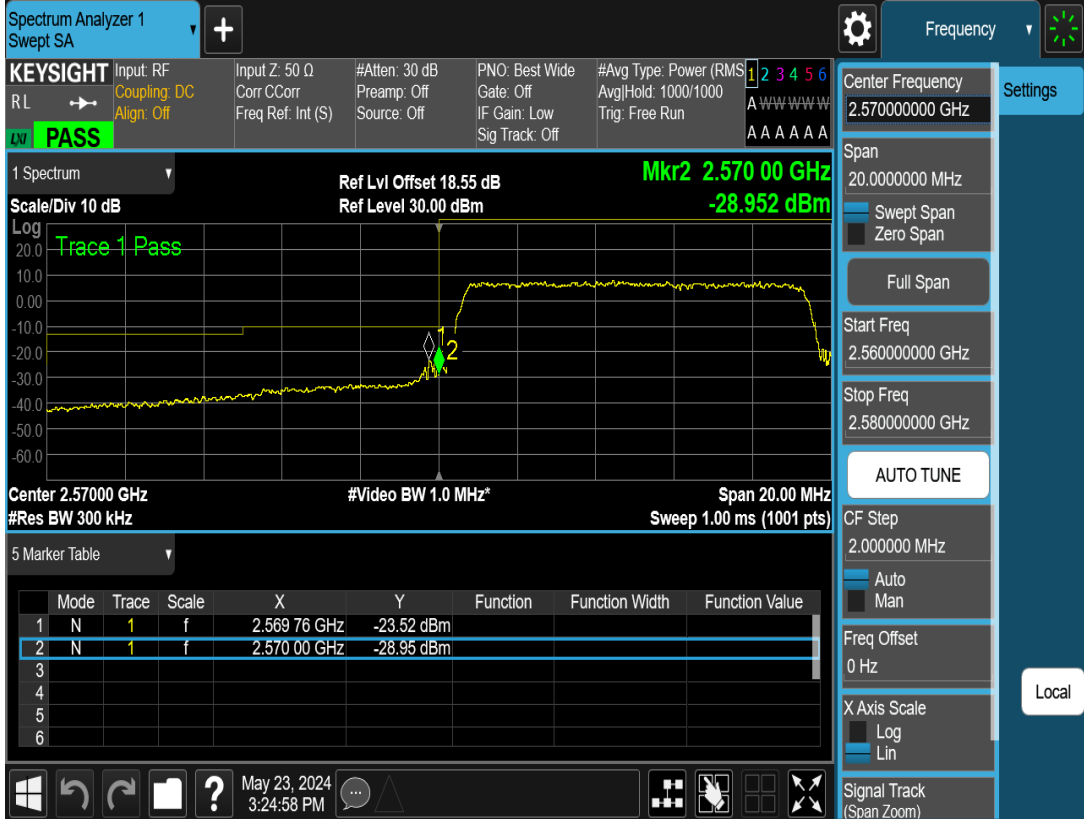
Bandedge test graph



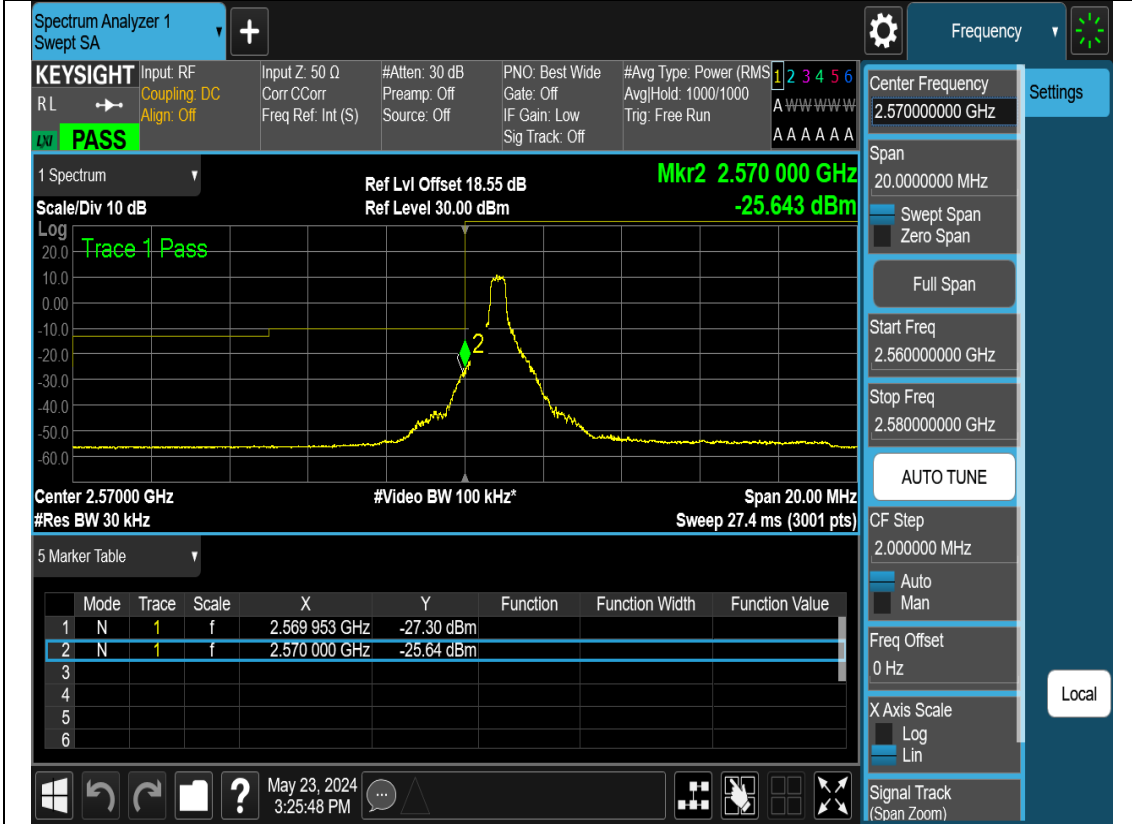
N38-10M-Bandedge-L-DFT-s-OFDM-Pi2 BPSK-1RB0



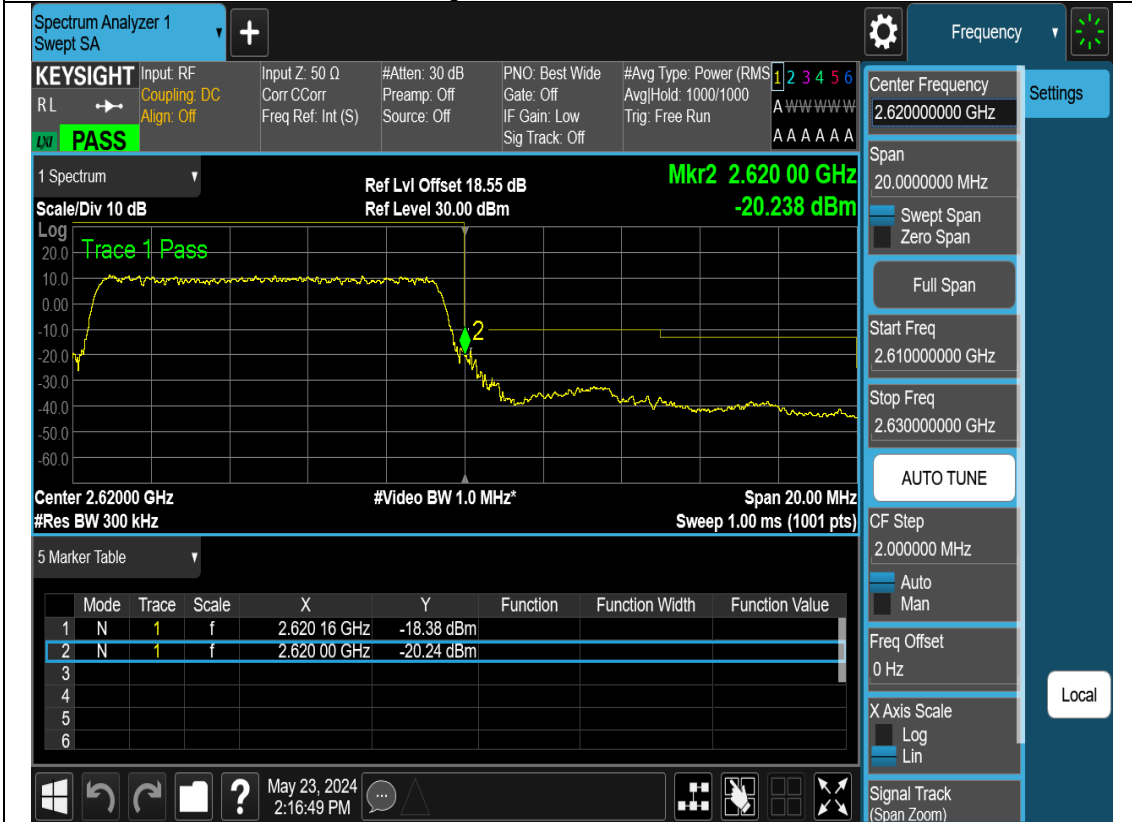
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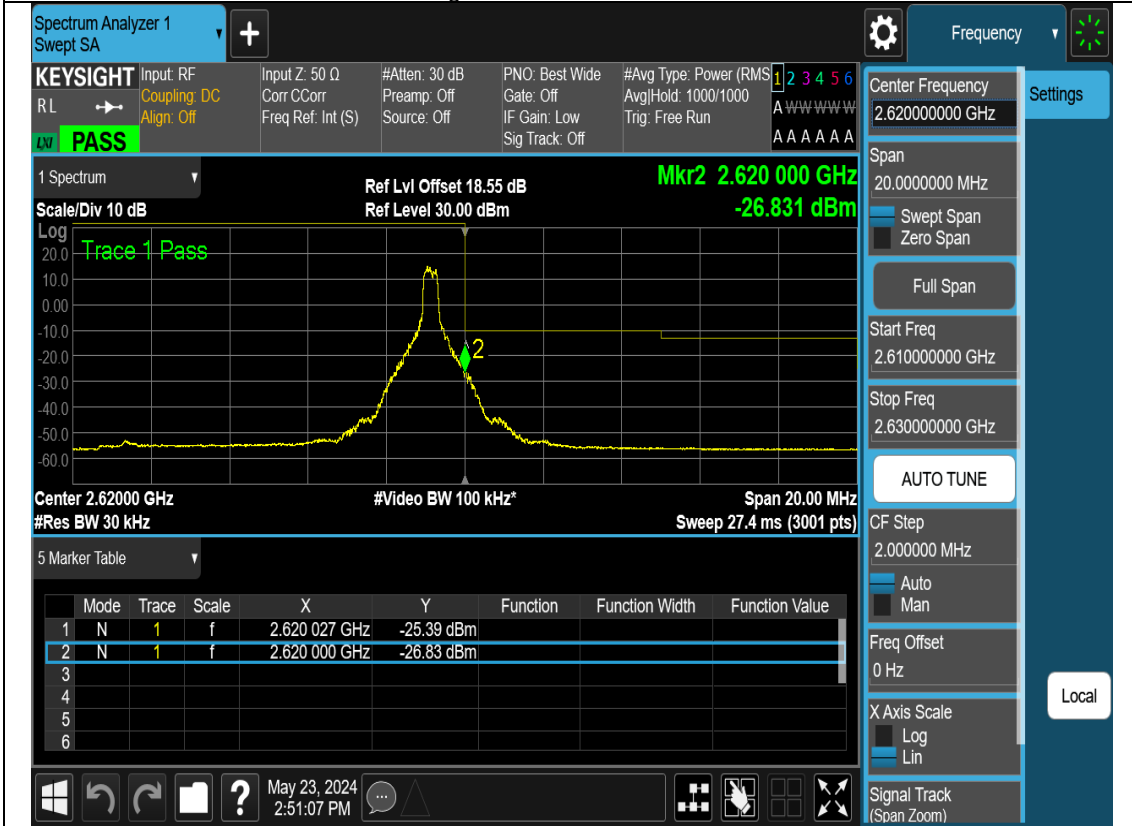
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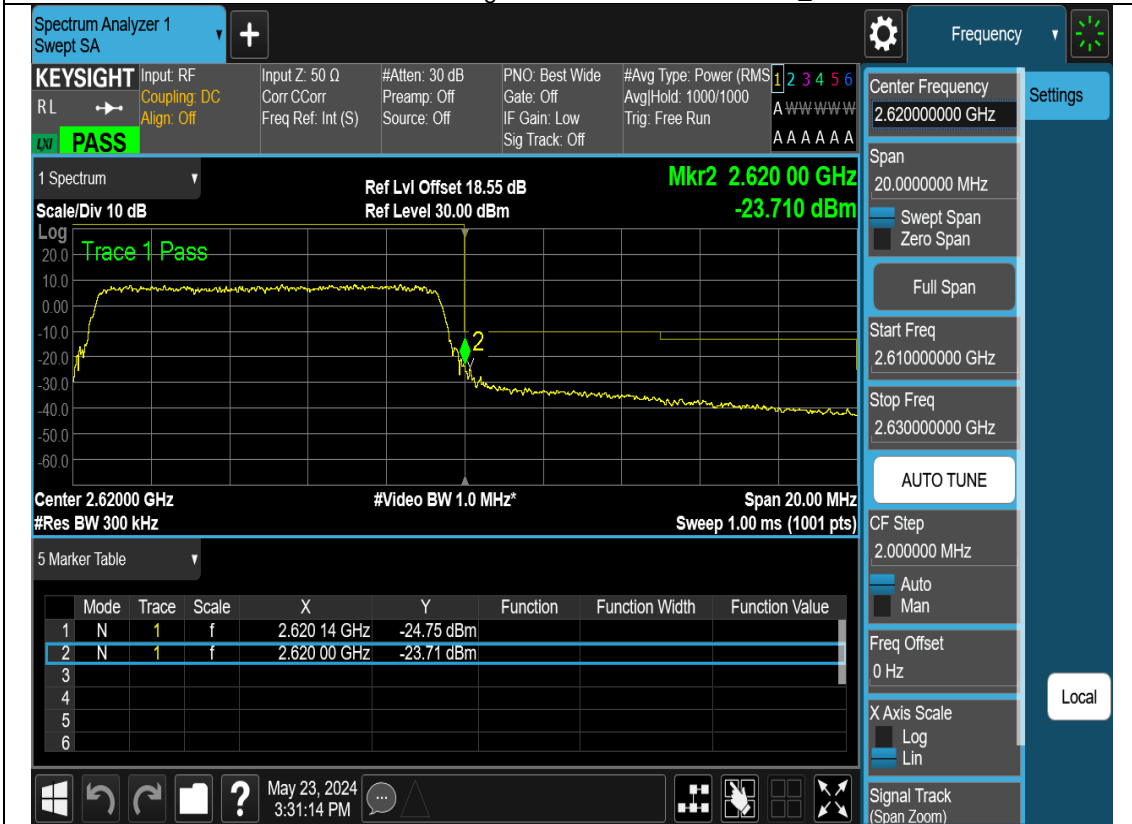
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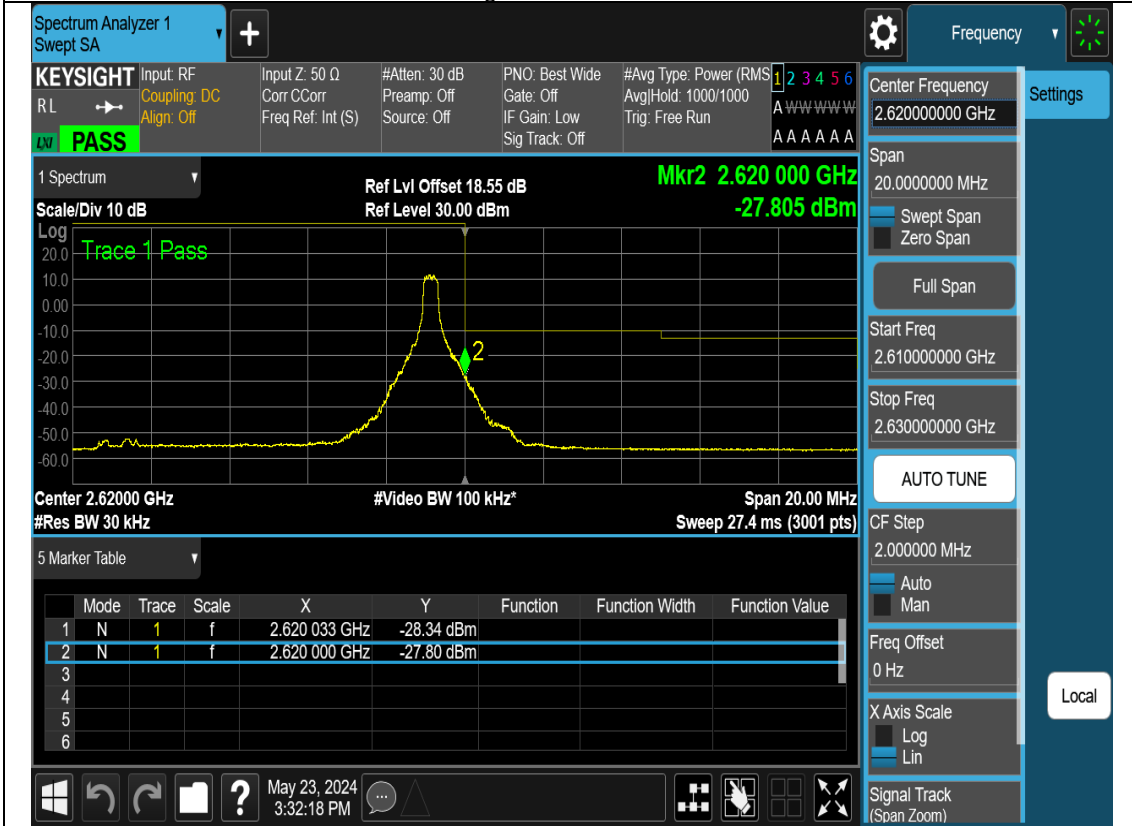
N38-10M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-1RB_MAX



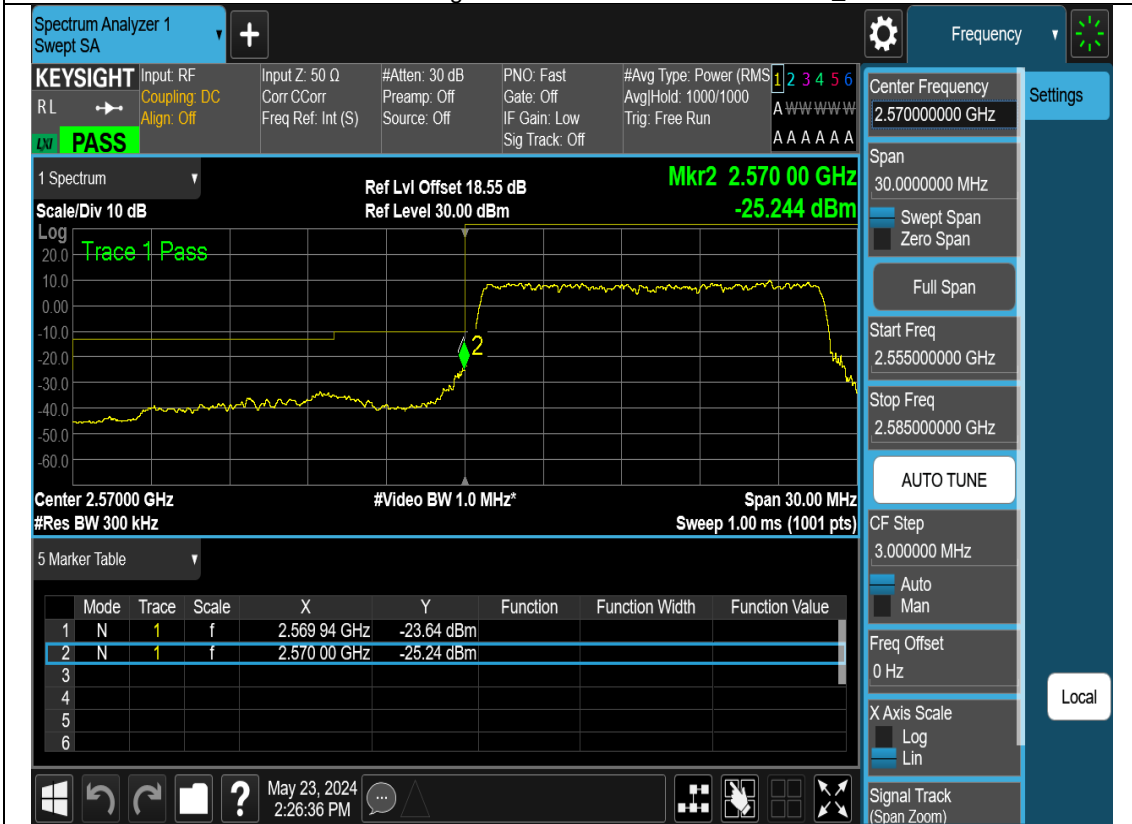
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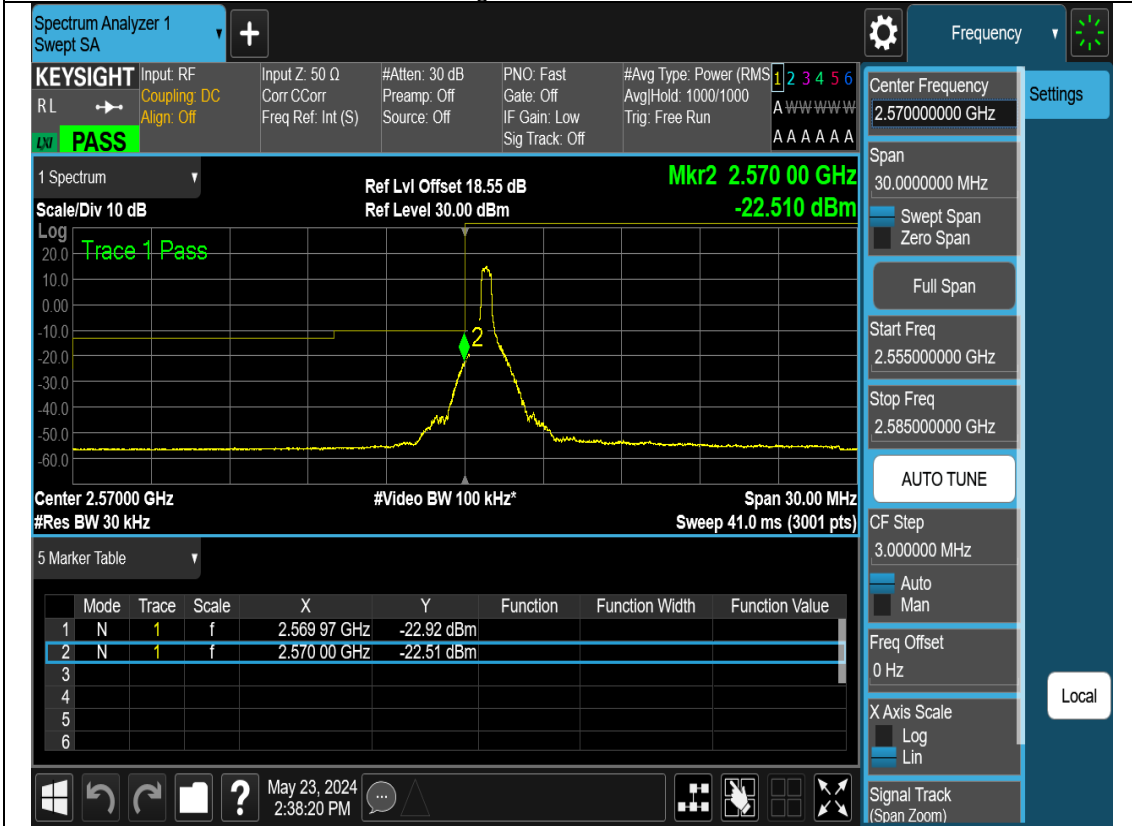
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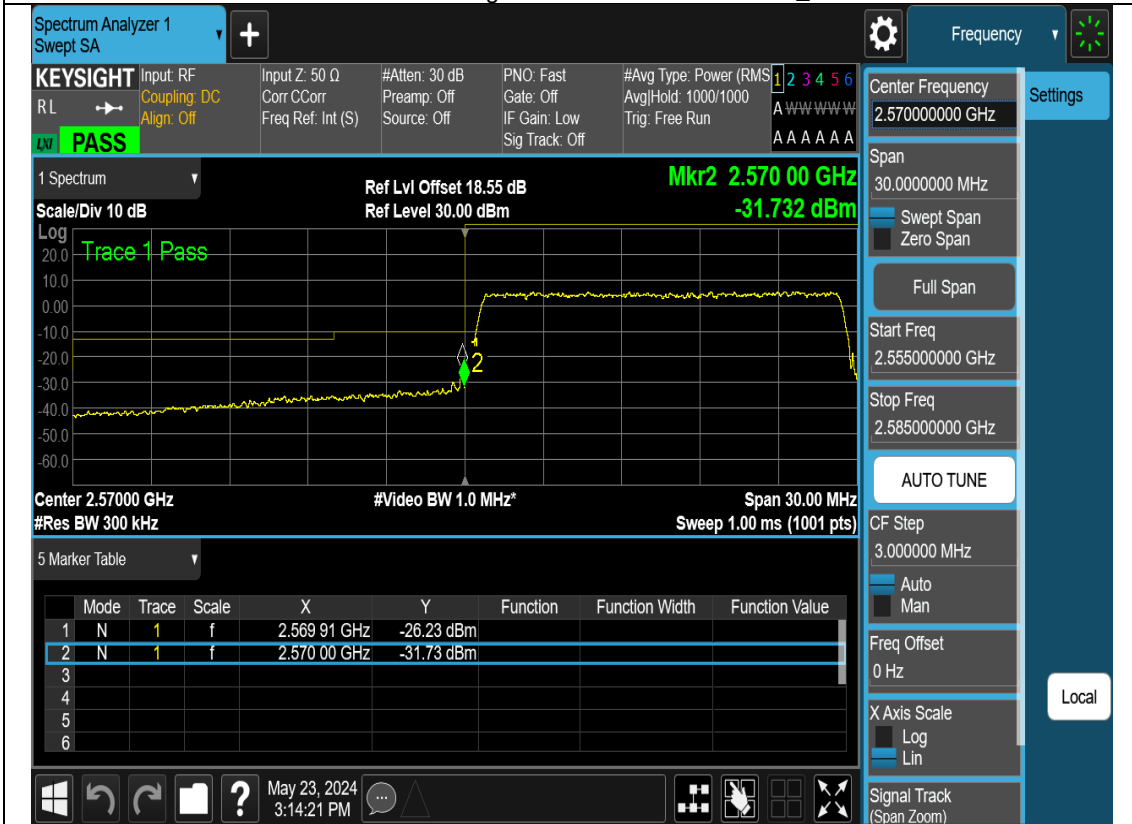
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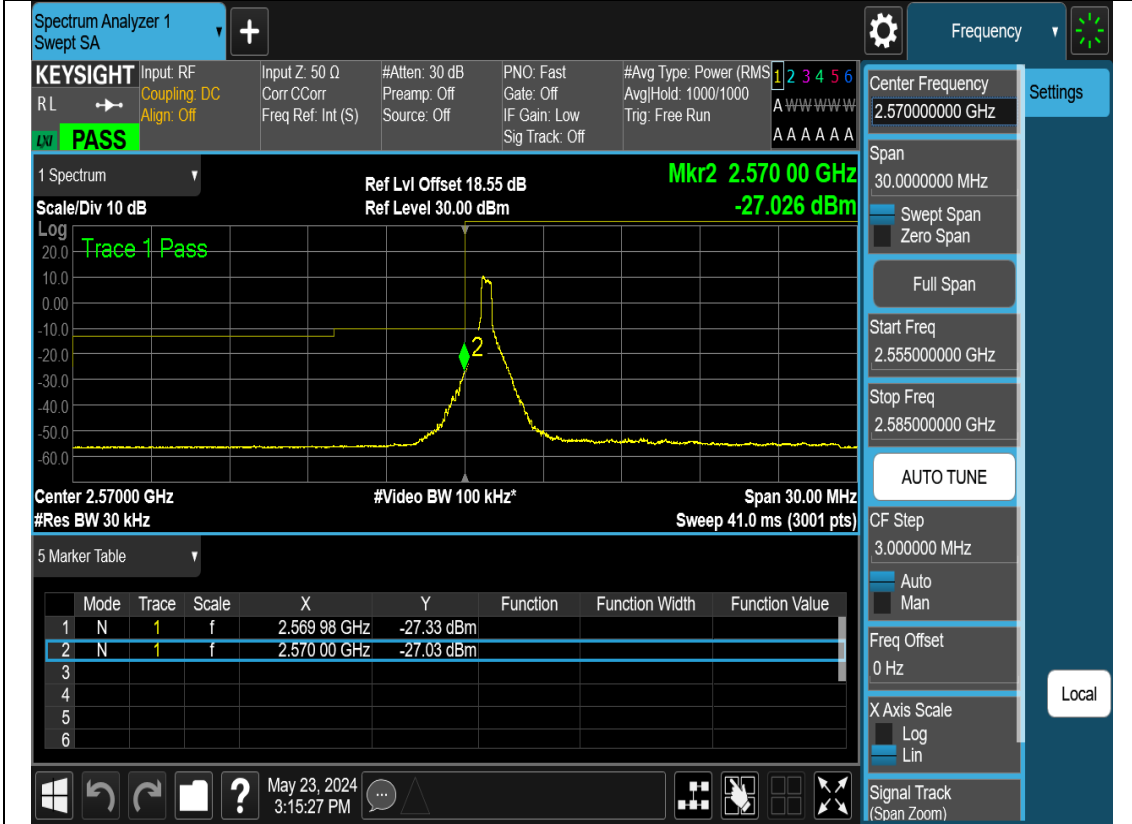
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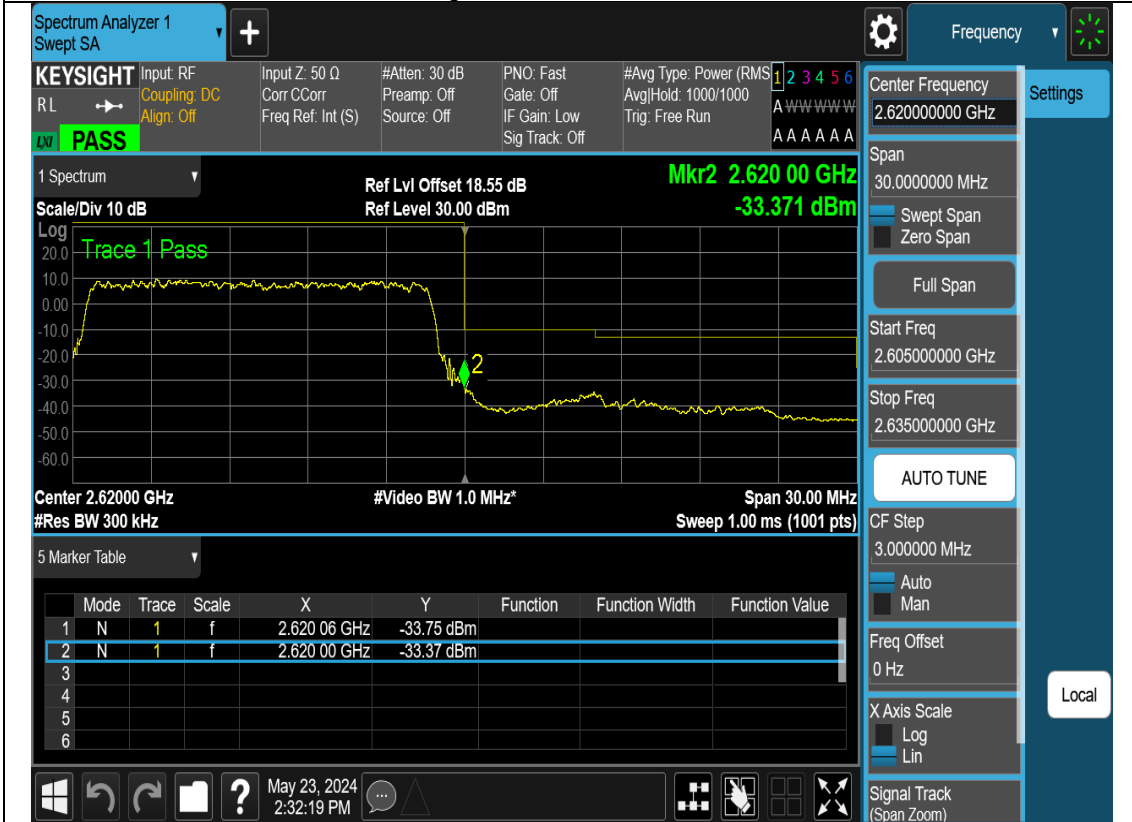
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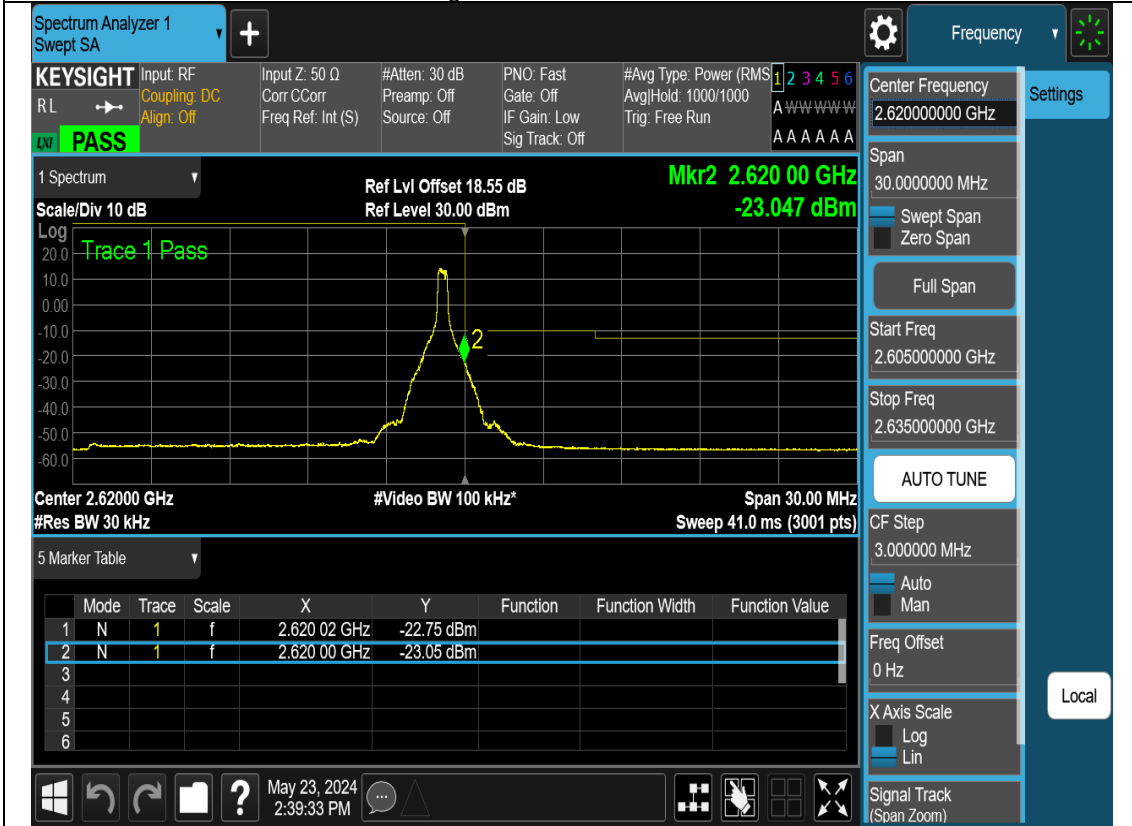
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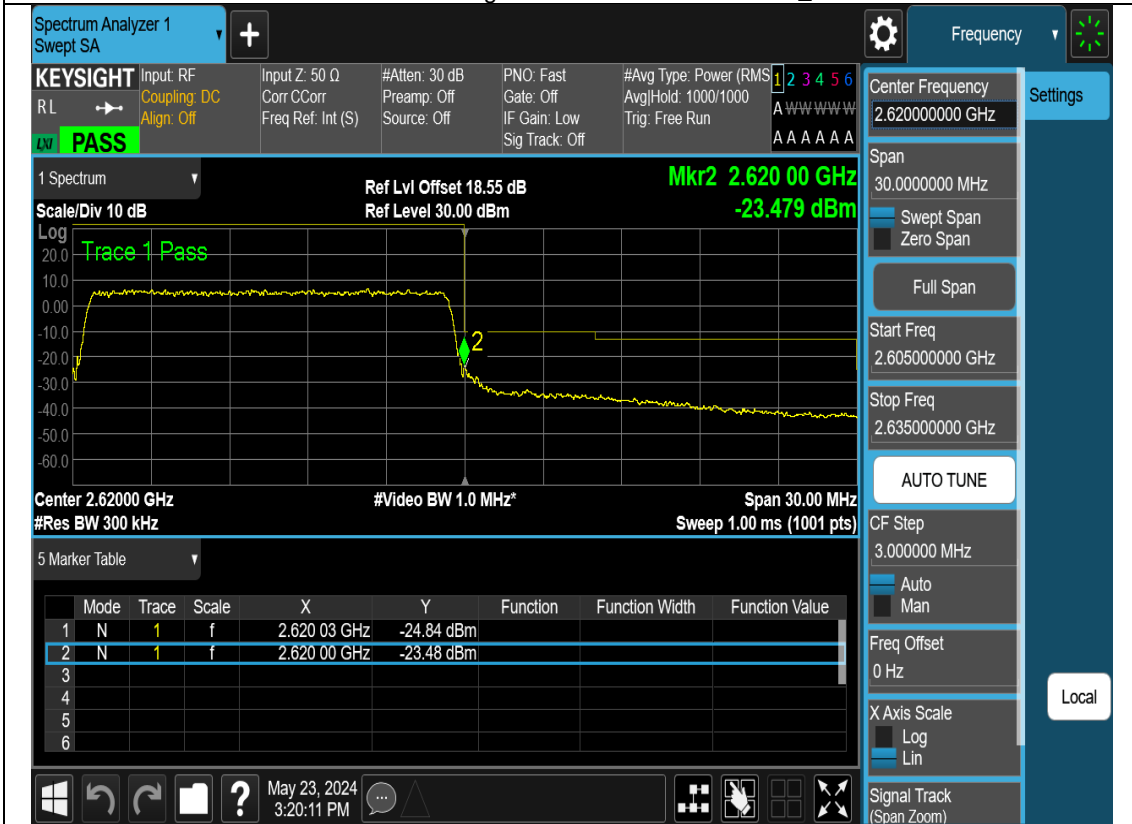
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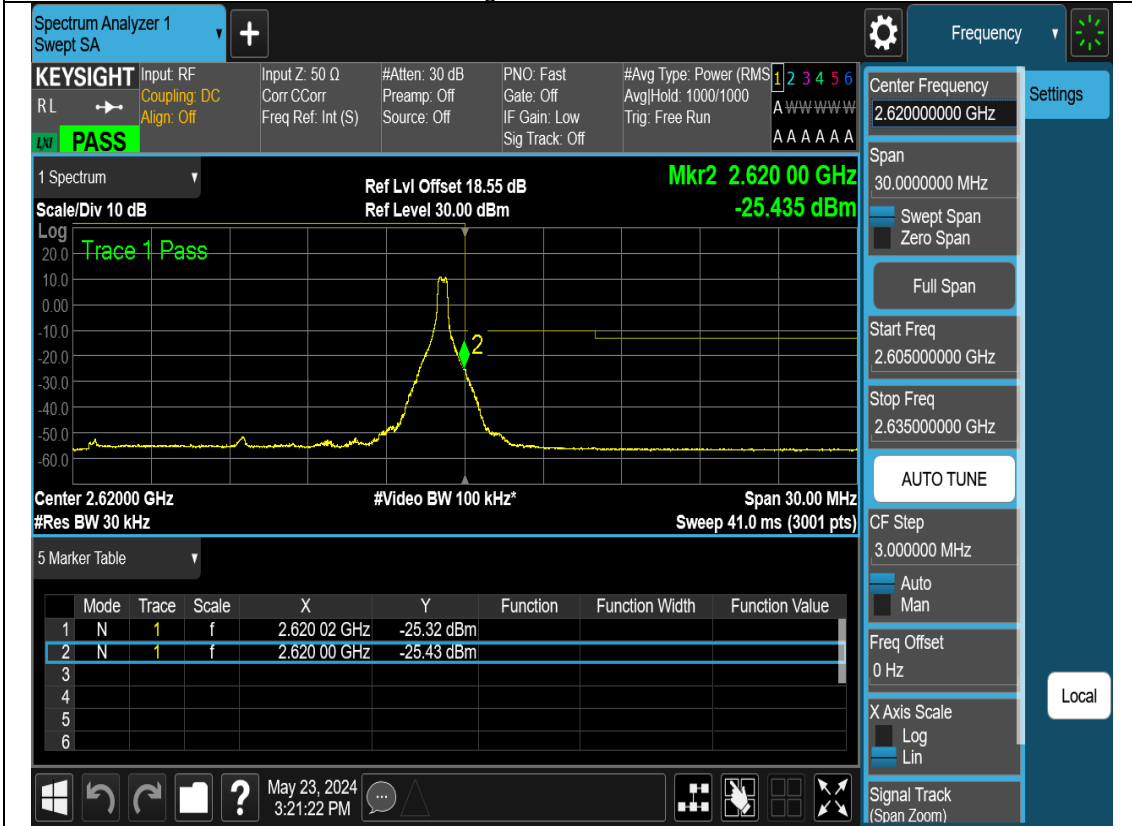
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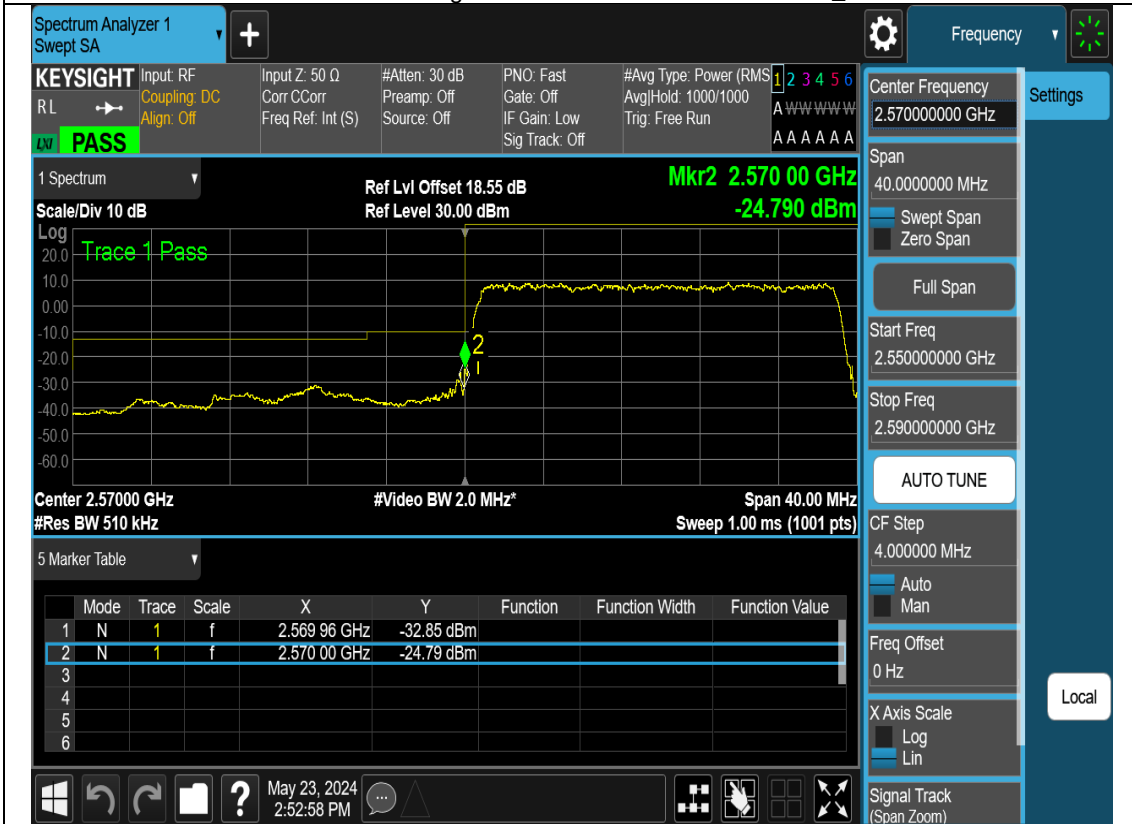
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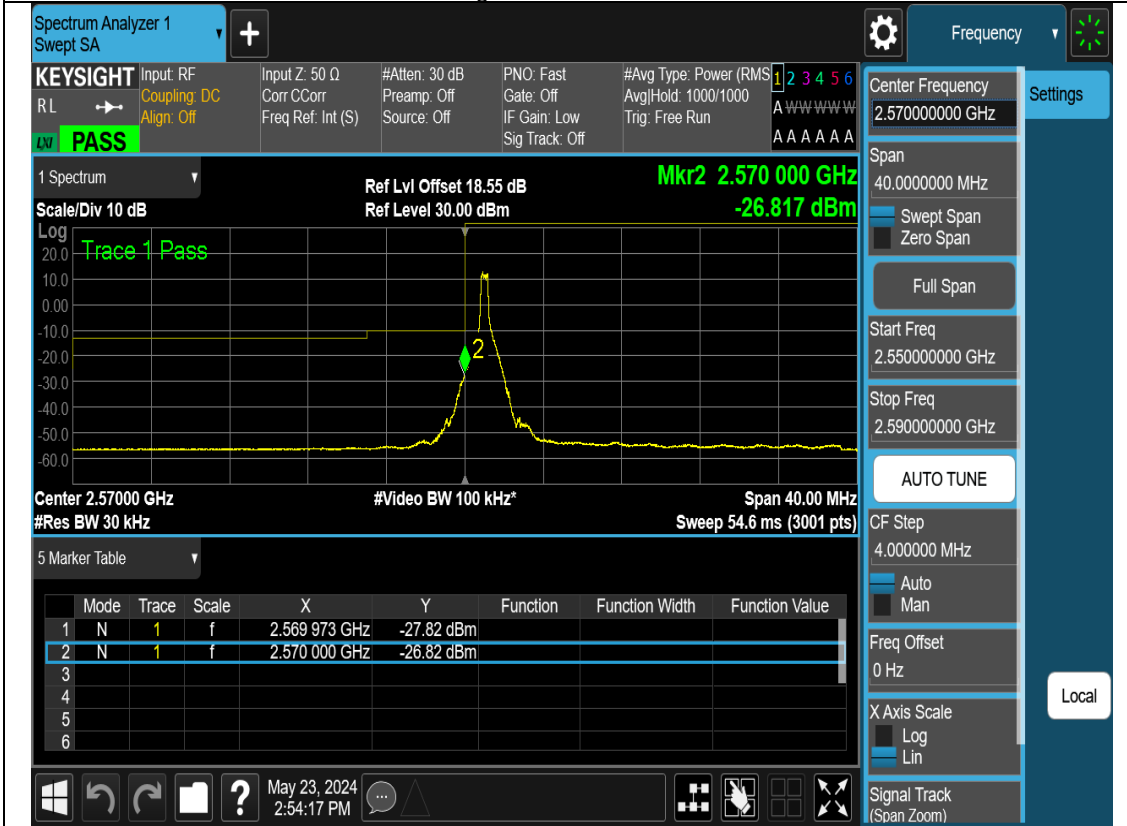
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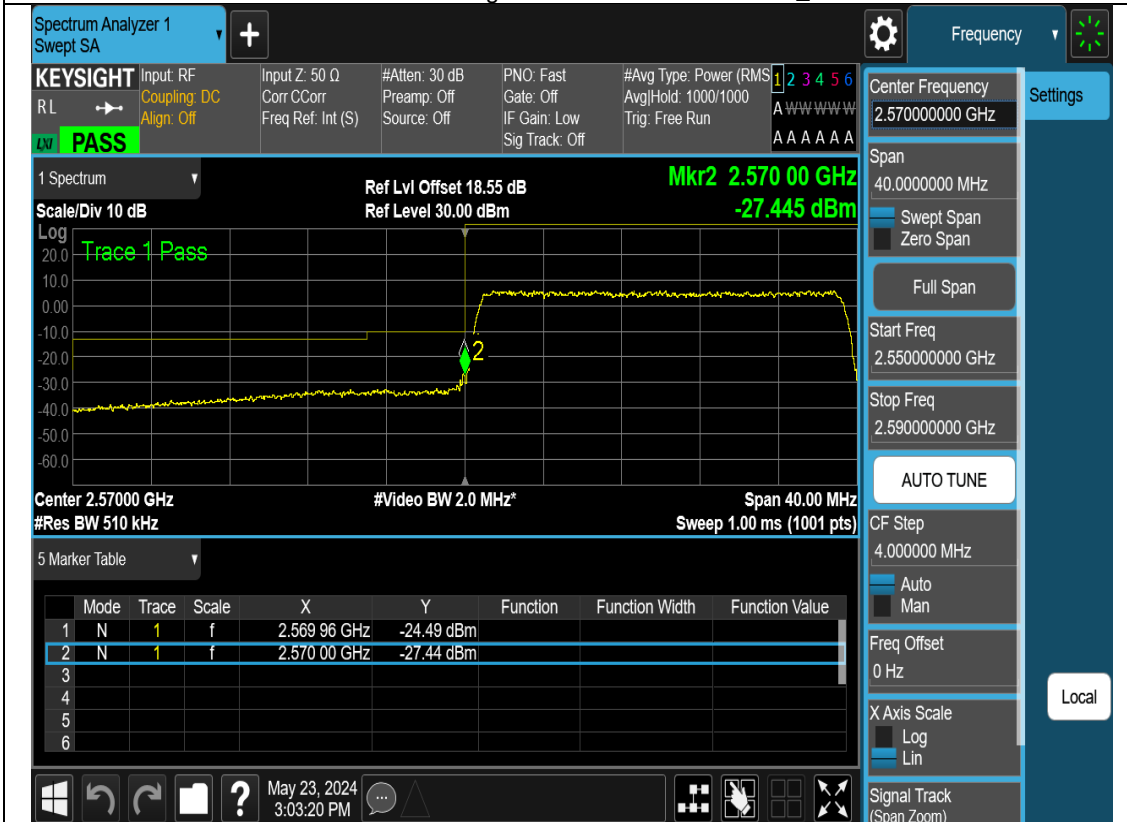
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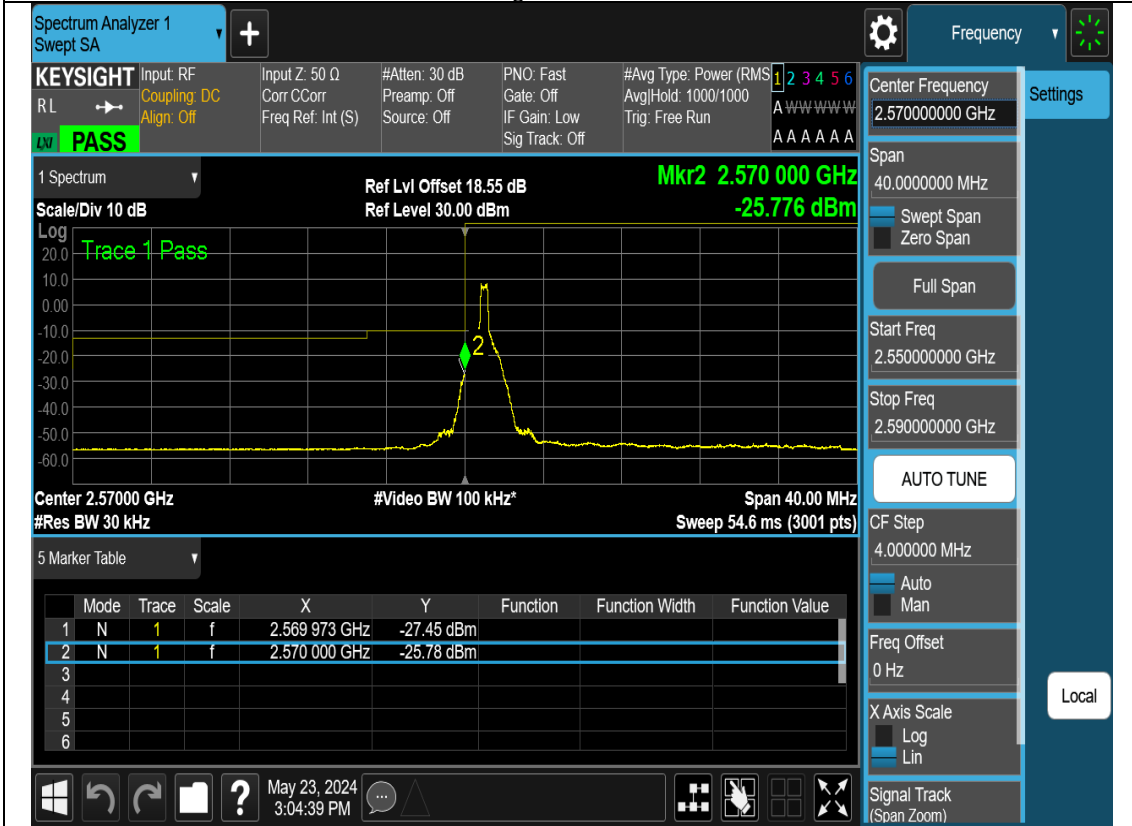
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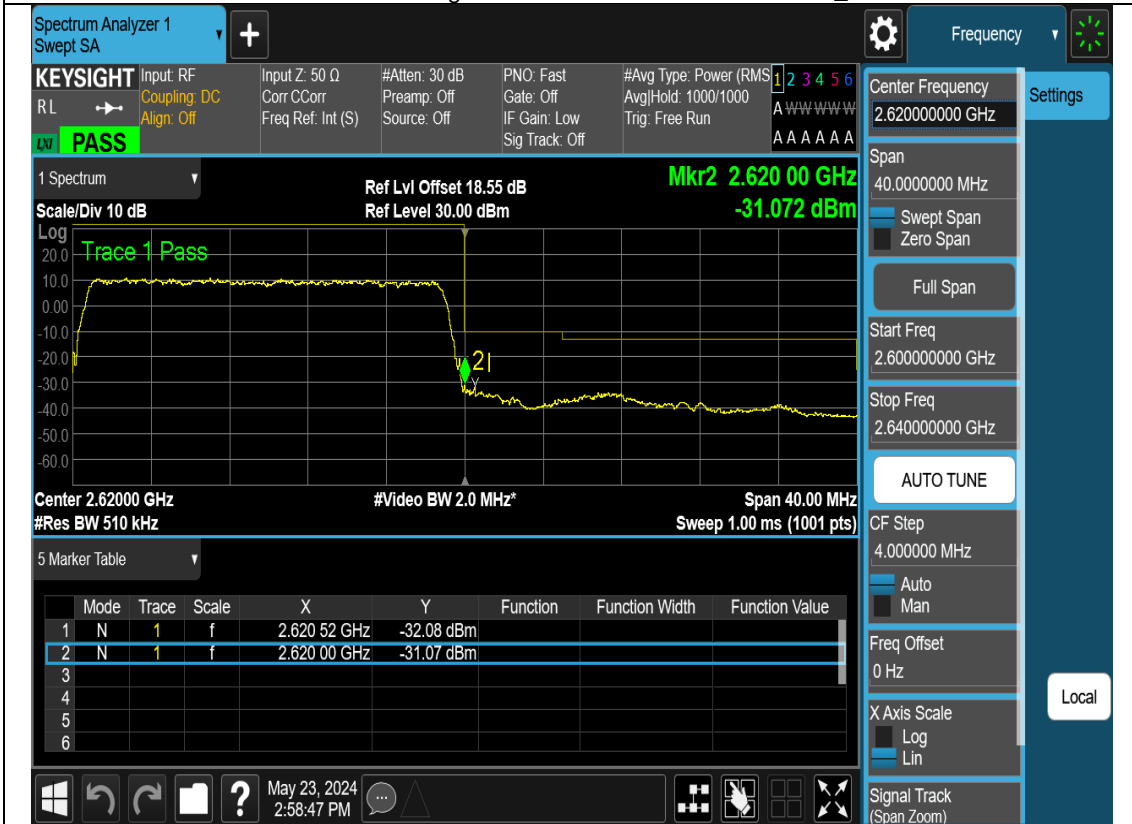
N38-20M-Bandedge-L-CP-OFDM-QPSK-Outer_Full



N38-20M-Bandedge-L-CP-OFDM-QPSK-1RB0



N38-20M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-Outer_Full



N38-20M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-1RB_MAX

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Input Z: 50 Ω #Atten: 30 dB PNO: Fast #Avg Type: Power (RMS) 1 2 3 4 5 6
 RL Coupling: DC Corr: CCorr Preamp: Off Gate: Off Avg/Hold: 1000/1000 A www www www
 Align: Off Freq Ref: Int (S) Source: Off IF Gain: Low Trig: Free Run A A A A A A

1 Spectrum Ref Lvl Offset 18.55 dB Mkr2 2.620 000 GHz
 Scale/Div 10 dB Ref Level 30.00 dBm -30.096 dBm

Center 2.62000 GHz #Video BW 100 kHz* Span 40.00 MHz
 #Res BW 30 kHz Sweep 54.6 ms (3001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	2.620 067 GHz	-30.40 dBm		
2	N	1	f	2.620 000 GHz	-30.10 dBm		
3							
4							
5							
6							

May 23, 2024 3:00:26 PM

Settings: Center Frequency 2.620000000 GHz, Span 40.0000000 MHz, Start Freq 2.600000000 GHz, Stop Freq 2.640000000 GHz, AUTO TUNE, CF Step 4.000000 MHz, Freq Offset 0 Hz, X Axis Scale Lin, Signal Track (Span Zoom)

N38-20M-Bandedge-H-CP-OFDM-QPSK-Outer_Full

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Input Z: 50 Ω #Atten: 30 dB PNO: Fast #Avg Type: Power (RMS) 1 2 3 4 5 6
 RL Coupling: DC Corr: CCorr Preamp: Off Gate: Off Avg/Hold: 1000/1000 A www www www
 Align: Off Freq Ref: Int (S) Source: Off IF Gain: Low Trig: Free Run A A A A A A

1 Spectrum Ref Lvl Offset 18.55 dB Mkr2 2.620 00 GHz
 Scale/Div 10 dB Ref Level 30.00 dBm -28.292 dBm

Center 2.62000 GHz #Video BW 2.0 MHz* Span 40.00 MHz
 #Res BW 510 kHz Sweep 1.00 ms (1001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	2.620 08 GHz	-27.82 dBm		
2	N	1	f	2.620 00 GHz	-28.29 dBm		
3							
4							
5							
6							

May 23, 2024 3:09:27 PM

Settings: Center Frequency 2.620000000 GHz, Span 40.0000000 MHz, Start Freq 2.600000000 GHz, Stop Freq 2.640000000 GHz, AUTO TUNE, CF Step 4.000000 MHz, Freq Offset 0 Hz, X Axis Scale Lin, Signal Track (Span Zoom)

N38-20M-Bandedge-H-CP-OFDM-QPSK-1RB_MAX

Spectrum Analyzer 1
Swept SA

KEYSIGHT Input RF
Coupling: DC
Align: Off

Input Z: 50 Ω #Atten: 30 dB PNO: Fast #Avg Type: Power (RMS) 1 2 3 4 5 6
Corr: C Corr Preamp: Off Gate: Off Avg/Hold: 1000/1000
Freq Ref: Int (S) Source: Off IF Gain: Low Trig: Free Run
Sig Track: Off

1 Spectrum Ref Lvl Offset 18.55 dB **Mkr2 2.620 000 GHz**
Scale/Div 10 dB Ref Level 30.00 dBm **-28.577 dBm**

Log Trace 1 Pass

Center 2.62000 GHz #Video BW 100 kHz* Span 40.00 MHz
#Res BW 30 kHz Sweep 54.6 ms (3001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	2.620 027 GHz	-29.51 dBm		
2	N	1	f	2.620 000 GHz	-28.58 dBm		
3							
4							
5							
6							

Frequency

Center Frequency
2.620000000 GHz

Span
40.0000000 MHz

Swept Span
Zero Span

Full Span

Start Freq
2.600000000 GHz

Stop Freq
2.640000000 GHz

AUTO TUNE

CF Step
4.000000 MHz

Auto
Man

Freq Offset
0 Hz

X Axis Scale
Log
Lin

Signal Track
(Span Zoom)

Settings

Local

May 23, 2024 3:11:19 PM

Conducted spurious emissions test graph

