

May 30, 2024 90 4:26:00 PM

#### 5 M\_OBW\_Mid\_64QAM\_FullRB pectrum Analyzer 1 ccupied BW ø Frequency Center Freq. 1.882500000 GHz Avg|Hold: 500/500 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF Atten: 20 dB Preamp: Off Settings RL Coupling: CAlign: Auto 1.882500000 GHz 1 Graph 10.000 MHz Ref LvI Offset 27.32 dB Ref Value 40.00 dBm Scale/Div 10.0 dB CF Step 1.000000 MHz Auto Man Freq Offset 0 Hz Center 1.882500 GHz #Res BW 100.00 kHz Span 10 MHz Sweep 16.7 ms (1001 pts) #Video BW 390.00 kHz 2 Metrics Occupied Bandwidth 4.5173 MHz Total Power 29.5 dBm % of OBW Power x dB -8.027 kHz 5.333 MHz Transmit Freq Error x dB Bandwidth 99.00 % -26.00 dB Local

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May 30, 2024 99 4:26:33 PM

#### pectrum Analyzer 1 ccupied BW ø Frequency Center Freq. 1.882500000 GHz Avg|Hold: 500/500 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF Atten: 20 dB Preamp: Off Settings RL Coupling: CAlign: Auto 1.882500000 GHz 1 Graph 10.000 MHz Ref LvI Offset 27.32 dB Ref Value 40.00 dBm Scale/Div 10.0 dB CF Step 1.000000 MHz Auto Man Freq Offset 0 Hz Center 1.882500 GHz #Res BW 100.00 kHz Span 10 MHz Sweep 16.7 ms (1001 pts) #Video BW 390.00 kHz 2 Metrics Occupied Bandwidth 4.5087 MHz Total Power 27.1 dBm % of OBW Power x dB Transmit Freq Error x dB Bandwidth -14.000 kHz 5.211 MHz 99.00 % -26.00 dB Local

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# 5 M\_OBW\_Mid\_256QAM\_FullRB

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# 10 M\_OBW\_Mid\_BPSK\_FullRB



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Local



Occupied Bandwidth 9.0248 MHz

May 30, 2024 9 PM

Transmit Freq Error x dB Bandwidth

-181.67 kHz 9.984 MHz

#### pectrum Analyzer 1 ccupied BW ø Frequency Center Freq. 1.882500000 GHz Avg|Hold: 500/500 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF Atten: 20 dB Preamp: Off Settings RL Coupling: CAlign: Auto 1.882500000 GHz 1 Graph 20.000 MHz Ref LvI Offset 27.32 dB Ref Value 40.00 dBm Scale/Div 10.0 dB CF Step 2.000000 MHz Auto Man Freq Offset 0 Hz Center 1.88250 GHz #Res BW 200.00 kHz Span 20 MHz Sweep 1.00 ms (1001 pts) #Video BW 820.00 kHz 2 Metrics

Total Power

% of OBW Power x dB

30.1 dBm

99.00 % -26.00 dB

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# 10 M\_OBW\_Mid\_QPSK\_FullRB

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# 10 M\_OBW\_Mid\_16QAM\_FullRB



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Local



Transmit Freq Error x dB Bandwidth

May 30, 2024 99 4:33:33 PM

-167.38 kHz 10.10 MHz

#### pectrum Analyzer 1 ccupied BW ø Frequency Center Freq. 1.882500000 GHz Avg|Hold: 500/500 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF Atten: 20 dB Preamp: Off Settings RL Coupling: CAlign: Auto 1.882500000 GHz 1 Graph 20.000 MHz Ref LvI Offset 27.32 dB Ref Value 40.00 dBm Scale/Div 10.0 dB CF Step 2.000000 MHz Auto Man Freq Offset 0 Hz Center 1.88250 GHz #Res BW 200.00 kHz Span 20 MHz Sweep 1.00 ms (1001 pts) #Video BW 820.00 kHz 2 Metrics Occupied Bandwidth 9.0233 MHz Total Power 28.6 dBm

% of OBW Power x dB

99.00 % -26.00 dB

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# 10 M\_OBW\_Mid\_64QAM\_FullRB

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# 10 M\_OBW\_Mid\_256QAM\_FullRB



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# 15 M\_OBW\_Mid\_BPSK\_FullRB



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# 15 M\_OBW\_Mid\_QPSK\_FullRB



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# 15 M\_OBW\_Mid\_16QAM\_FullRB



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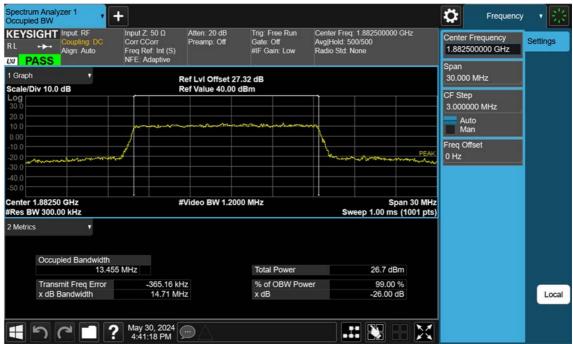
# 15 M\_OBW\_Mid\_64QAM\_FullRB



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# 15 M\_OBW\_Mid\_256QAM\_FullRB



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Local



1 9 C 7 May 30, 2024 9 4:47:11 PM

#### pectrum Analyzer 1 ccupied BW ø Frequency Center Freq. 1.882500000 GHz Avg|Hold: 500/500 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF Atten: 20 dB Preamp: Off Settings RL Coupling: CAlign: Auto 1.882500000 GHz 1 Graph 40.000 MHz Ref LvI Offset 27.32 dB Ref Value 40.00 dBm Scale/Div 10.0 dB CF Step 4.000000 MHz Auto Man Freq Offset 0 Hz Center 1.88250 GHz #Res BW 390.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) #Video BW 1.6000 MHz 2 Metrics Occupied Bandwidth 17.906 MHz 30.7 dBm Total Power % of OBW Power x dB Transmit Freq Error x dB Bandwidth -510.19 kHz 19.22 MHz 99.00 % -26.00 dB

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### 20 M\_OBW\_Mid\_BPSK\_FullRB

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Local



Transmit Freq Error x dB Bandwidth

May 30, 2024 90 4:47:33 PM

-558.54 kHz 19.18 MHz

#### pectrum Analyzer 1 ccupied BW ø Frequency Center Freq. 1.882500000 GHz Avg|Hold: 500/500 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF Atten: 20 dB Preamp: Off Settings RL Coupling: CAlign: Auto 1.882500000 GHz 1 Graph 40.000 MHz Ref LvI Offset 27.32 dB Ref Value 40.00 dBm Scale/Div 10.0 dB CF Step 4.000000 MHz Auto Man Freq Offset 0 Hz Center 1.88250 GHz #Res BW 390.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) #Video BW 1.6000 MHz 2 Metrics Occupied Bandwidth 17.917 MHz Total Power 30.4 dBm

% of OBW Power x dB

99.00 % -26.00 dB

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# 20 M\_OBW\_Mid\_QPSK\_FullRB

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#### pectrum Analyzer 1 ccupied BW ø Frequency Center Freq. 1.882500000 GHz Avg|Hold: 500/500 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF Atten: 20 dB Preamp: Off Settings RL Coupling: CAlign: Auto 1.882500000 GHz 1 Graph 40.000 MHz Ref LvI Offset 27.32 dB Ref Value 40.00 dBm Scale/Div 10.0 dB CF Step 4.000000 MHz Auto Man Freq Offset 0 Hz Center 1.88250 GHz #Res BW 390.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) #Video BW 1.6000 MHz 2 Metrics Occupied Bandwidth 17.896 MHz Total Power 29.3 dBm % of OBW Power x dB Transmit Freq Error x dB Bandwidth -532.22 kHz 19.22 MHz 99.00 % -26.00 dB Local May 30, 2024 90 4:47:55 PM III 🐺

# 20 M\_OBW\_Mid\_16QAM\_FullRB

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#### 20 M\_OBW\_Mid\_64QAM\_FullRB pectrum Analyzer 1 ccupied BW ø Frequency Center Freq. 1.882500000 GHz Avg|Hold: 500/500 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF Atten: 20 dB Preamp: Off Settings RL Coupling: CAlign: Auto 1.882500000 GHz 1 Graph 40.000 MHz Ref LvI Offset 27.32 dB Ref Value 40.00 dBm Scale/Div 10.0 dB CF Step 4.000000 MHz Auto Man Freq Offset 0 Hz Center 1.88250 GHz #Res BW 390.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) #Video BW 1.6000 MHz 2 Metrics Occupied Bandwidth 17.900 MHz Total Power 28.8 dBm % of OBW Power x dB -547.15 kHz 19.10 MHz Transmit Freq Error x dB Bandwidth 99.00 % -26.00 dB Local

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# 20 M\_OBW\_Mid\_256QAM\_FullRB



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#### pectrum Analyzer 1 ccupied BW ø Frequency Center Freq. 1.882500000 GHz Avg|Hold: 500/500 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF Atten: 20 dB Preamp: Off Settings RL Coupling: CAlign: Auto 1.882500000 GHz 1 Graph 50.000 MHz Ref LvI Offset 27.32 dB Ref Value 40.00 dBm Scale/Div 10.0 dB CF Step 5.000000 MHz Auto Man Freq Offset 0 Hz Center 1.88250 GHz #Res BW 510.00 kHz Span 50 MHz Sweep 1.00 ms (1001 pts) #Video BW 2.0000 MHz 2 Metrics Occupied Bandwidth 23.001 MHz Total Power 30.8 dBm % of OBW Power x dB Transmit Freq Error x dB Bandwidth -469.34 kHz 24.94 MHz 99.00 % -26.00 dB Local

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### 25 M\_OBW\_Mid\_BPSK\_FullRB

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May 30, 2024 9:54:50 PM

#### pectrum Analyzer 1 ccupied BW ø Frequency Center Freq. 1.882500000 GHz Avg|Hold: 500/500 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF Atten: 20 dB Preamp: Off Settings RL Coupling: CAlign: Auto 1.882500000 GHz 1 Graph 50.000 MHz Ref LvI Offset 27.32 dB Ref Value 40.00 dBm Scale/Div 10.0 dB CF Step 5.000000 MHz Auto Man Freq Offset 0 Hz Center 1.88250 GHz #Res BW 510.00 kHz Span 50 MHz Sweep 1.00 ms (1001 pts) #Video BW 2.0000 MHz 2 Metrics Occupied Bandwidth 22.964 MHz Total Power 30.4 dBm % of OBW Power x dB Transmit Freq Error x dB Bandwidth -447.73 kHz 24.86 MHz 99.00 % -26.00 dB Local

III 🐺

# 25 M\_OBW\_Mid\_QPSK\_FullRB

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#### pectrum Analyzer 1 ccupied BW ø Frequency Center Freq. 1.882500000 GHz Avg|Hold: 500/500 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF Atten: 20 dB Preamp: Off Settings RL Coupling: CAlign: Auto 1.882500000 GHz 1 Graph 50.000 MHz Ref LvI Offset 27.32 dB Ref Value 40.00 dBm Scale/Div 10.0 dB CF Step 5.000000 MHz Auto Man Freq Offset 0 Hz Center 1.88250 GHz #Res BW 510.00 kHz Span 50 MHz Sweep 1.00 ms (1001 pts) #Video BW 2.0000 MHz 2 Metrics Occupied Bandwidth 22.975 MHz Total Power 29.3 dBm % of OBW Power x dB Transmit Freq Error x dB Bandwidth -453.99 kHz 25.08 MHz 99.00 % -26.00 dB Local May 30, 2024 99 4:55:11 PM III 🐺

# 25 M\_OBW\_Mid\_16QAM\_FullRB

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May 30, 2024 94:55:33 PM

#### pectrum Analyzer 1 ccupied BW ø Frequency Center Freq. 1.882500000 GHz Avg|Hold: 500/500 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF Atten: 20 dB Preamp: Off Settings RL Coupling: CAlign: Auto 1.882500000 GHz 1 Graph 50.000 MHz Ref LvI Offset 27.32 dB Ref Value 40.00 dBm Scale/Div 10.0 dB CF Step 5.000000 MHz Auto Man Freq Offset 0 Hz Center 1.88250 GHz #Res BW 510.00 kHz Span 50 MHz Sweep 1.00 ms (1001 pts) #Video BW 2.0000 MHz 2 Metrics Occupied Bandwidth 22.967 MHz 28.7 dBm Total Power % of OBW Power x dB -462.57 kHz 25.09 MHz Transmit Freq Error x dB Bandwidth 99.00 % -26.00 dB Local

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# 25 M\_OBW\_Mid\_64QAM\_FullRB

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# 25 M\_OBW\_Mid\_256QAM\_FullRB



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#### pectrum Analyzer 1 ccupied BW ø Frequency Center Freq. 1.882500000 GHz Avg|Hold: 500/500 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF Atten: 20 dB Preamp: Off Settings RL Coupling: CAlign: Auto 1.882500000 GHz 1 Graph 60.000 MHz Ref LvI Offset 27.32 dB Ref Value 40.00 dBm Scale/Div 10.0 dB CF Step 6.000000 MHz Auto Man Freq Offset 0 Hz Center 1.88250 GHz #Res BW 620.00 kHz Span 60 MHz Sweep 1.00 ms (1001 pts) #Video BW 2.4000 MHz 2 Metrics Occupied Bandwidth 28.728 MHz Total Power 30.8 dBm % of OBW Power x dB Transmit Freq Error x dB Bandwidth 6.093 kHz 31.80 MHz 99.00 % -26.00 dB Local

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### 30 M\_OBW\_Mid\_BPSK\_FullRB

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May 30, 2024 5:02:04 PM

#### pectrum Analyzer 1 ccupied BW ø Frequency Center Freq. 1.882500000 GHz Avg|Hold: 500/500 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF Atten: 20 dB Preamp: Off Settings RL Coupling: CAlign: Auto 1.882500000 GHz 1 Graph 60.000 MHz Ref LvI Offset 27.32 dB Ref Value 40.00 dBm Scale/Div 10.0 dB CF Step 6.000000 MHz Auto Man Freq Offset 0 Hz Center 1.88250 GHz #Res BW 620.00 kHz Span 60 MHz Sweep 1.00 ms (1001 pts) #Video BW 2.4000 MHz 2 Metrics Occupied Bandwidth 28.773 MHz Total Power 30.5 dBm % of OBW Power x dB Transmit Freq Error x dB Bandwidth 20.599 kHz 31.89 MHz 99.00 % -26.00 dB Local

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# 30 M\_OBW\_Mid\_QPSK\_FullRB

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May 30, 2024 5:02:26 PM

#### pectrum Analyzer 1 ccupied BW ø Frequency Center Freq. 1.882500000 GHz Avg|Hold: 500/500 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF Atten: 20 dB Preamp: Off Settings RL Coupling: CAlign: Auto 1.882500000 GHz 1 Graph 60.000 MHz Ref LvI Offset 27.32 dB Ref Value 40.00 dBm Scale/Div 10.0 dB CF Step 6.000000 MHz Auto Man Freq Offset 0 Hz Center 1.88250 GHz #Res BW 620.00 kHz Span 60 MHz Sweep 1.00 ms (1001 pts) #Video BW 2.4000 MHz 2 Metrics Occupied Bandwidth 28.711 MHz Total Power 29.6 dBm % of OBW Power x dB Transmit Freq Error x dB Bandwidth -2.403 kHz 32.30 MHz 99.00 % -26.00 dB Local

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# 30 M\_OBW\_Mid\_16QAM\_FullRB

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#### pectrum Analyzer 1 ccupied BW ø Frequency Center Freq. 1.882500000 GHz Avg|Hold: 500/500 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF Atten: 20 dB Preamp: Off Settings RL Coupling: CAlign: Auto 1.882500000 GHz 1 Graph 60.000 MHz Ref LvI Offset 27.32 dB Ref Value 40.00 dBm Scale/Div 10.0 dB CF Step 6.000000 MHz Auto Man Freq Offset 0 Hz Center 1.88250 GHz #Res BW 620.00 kHz Span 60 MHz Sweep 1.00 ms (1001 pts) #Video BW 2.4000 MHz 2 Metrics Occupied Bandwidth 28.728 MHz Total Power 28.9 dBm % of OBW Power x dB Transmit Freq Error x dB Bandwidth -17.989 kHz 31.98 MHz 99.00 % -26.00 dB Local

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# 30 M\_OBW\_Mid\_64QAM\_FullRB

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#### pectrum Analyzer 1 ccupied BW ø Frequency Center Freq. 1.882500000 GHz Avg|Hold: 500/500 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF Atten: 20 dB Preamp: Off Settings RL Coupling: CAlign: Auto 1.882500000 GHz 1 Graph 60.000 MHz Ref LvI Offset 27.32 dB Ref Value 40.00 dBm Scale/Div 10.0 dB CF Step 6.000000 MHz Auto Man Freq Offset 0 Hz Center 1.88250 GHz #Res BW 620.00 kHz Span 60 MHz Sweep 1.00 ms (1001 pts) #Video BW 2.4000 MHz 2 Metrics Occupied Bandwidth 28.748 MHz Total Power 26.9 dBm % of OBW Power x dB Transmit Freq Error x dB Bandwidth 48.771 kHz 31.80 MHz 99.00 % -26.00 dB Local

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# 30 M\_OBW\_Mid\_256QAM\_FullRB

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Local



Occupied Bandwidth 32.271 MHz

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-698.71 kHz 35.30 MHz

Transmit Freq Error x dB Bandwidth

#### pectrum Analyzer 1 ccupied BW ø Frequency Center Freq. 1.882500000 GHz Avg|Hold: 500/500 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF Atten: 20 dB Preamp: Off Settings RL Coupling: CAlign: Auto 1.882500000 GHz 1 Graph 70.000 MHz Ref LvI Offset 27.32 dB Ref Value 40.00 dBm Scale/Div 10.0 dB CF Step 7.000000 MHz Auto Man Freq Offset 0 Hz Center 1.88250 GHz #Res BW 680.00 kHz Span 70 MHz Sweep 1.00 ms (1001 pts) #Video BW 2.7000 MHz 2 Metrics

Total Power

% of OBW Power x dB

31.1 dBm

99.00 % -26.00 dB

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### 35 M\_OBW\_Mid\_BPSK\_FullRB

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#### pectrum Analyzer 1 ccupied BW ø Frequency Center Freq. 1.882500000 GHz Avg|Hold: 500/500 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF Atten: 20 dB Preamp: Off Settings RL Coupling: CAlign: Auto 1.882500000 GHz 1 Graph 70.000 MHz Ref LvI Offset 27.32 dB Ref Value 40.00 dBm Scale/Div 10.0 dB CF Step 7.000000 MHz Auto Man Freq Offset 0 Hz Center 1.88250 GHz #Res BW 680.00 kHz Span 70 MHz Sweep 1.00 ms (1001 pts) #Video BW 2.7000 MHz 2 Metrics Occupied Bandwidth 32.247 MHz 30.7 dBm Total Power % of OBW Power x dB Transmit Freq Error x dB Bandwidth -722.86 kHz 35.95 MHz 99.00 % -26.00 dB Local

III 🐺

# 35 M\_OBW\_Mid\_QPSK\_FullRB

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#### pectrum Analyzer 1 ccupied BW ø Frequency Center Freq. 1.882500000 GHz Avg|Hold: 500/500 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF Atten: 20 dB Preamp: Off Settings RL Coupling: CAlign: Auto 1.882500000 GHz 1 Graph 70.000 MHz Ref LvI Offset 27.32 dB Ref Value 40.00 dBm Scale/Div 10.0 dB CF Step 7.000000 MHz Auto Man Freq Offset 0 Hz Center 1.88250 GHz #Res BW 680.00 kHz Span 70 MHz Sweep 1.00 ms (1001 pts) #Video BW 2.7000 MHz 2 Metrics Occupied Bandwidth 32.304 MHz 29.7 dBm Total Power % of OBW Power x dB Transmit Freq Error x dB Bandwidth -726.72 kHz 35.92 MHz 99.00 % -26.00 dB Local

III 🐺

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# 35 M\_OBW\_Mid\_16QAM\_FullRB

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#### pectrum Analyzer 1 ccupied BW ø Frequency Center Freq. 1.882500000 GHz Avg|Hold: 500/500 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF Atten: 20 dB Preamp: Off Settings RL Coupling: CAlign: Auto 1.882500000 GHz 1 Graph 70.000 MHz Ref LvI Offset 27.32 dB Ref Value 40.00 dBm Scale/Div 10.0 dB CF Step 7.000000 MHz Auto Man Freq Offset 0 Hz Center 1.88250 GHz #Res BW 680.00 kHz Span 70 MHz Sweep 1.00 ms (1001 pts) #Video BW 2.7000 MHz 2 Metrics Occupied Bandwidth 32.261 MHz Total Power 29.1 dBm % of OBW Power x dB Transmit Freq Error x dB Bandwidth -732.16 kHz 35.72 MHz 99.00 % -26.00 dB Local

III 🐺

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# 35 M\_OBW\_Mid\_64QAM\_FullRB

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#### pectrum Analyzer 1 ccupied BW ø Frequency Center Freq. 1.882500000 GHz Avg|Hold: 500/500 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF Atten: 20 dB Preamp: Off Settings RL Coupling: CAlign: Auto 1.882500000 GHz 1 Graph 70.000 MHz Ref LvI Offset 27.32 dB Ref Value 40.00 dBm Scale/Div 10.0 dB CF Step 7.000000 MHz Auto Man Freq Offset 0 Hz Center 1.88250 GHz #Res BW 680.00 kHz Span 70 MHz Sweep 1.00 ms (1001 pts) #Video BW 2.7000 MHz 2 Metrics Occupied Bandwidth 32.464 MHz Total Power 27.1 dBm % of OBW Power x dB Transmit Freq Error x dB Bandwidth -625.63 kHz 36.16 MHz 99.00 % -26.00 dB Local

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# 35 M\_OBW\_Mid\_256QAM\_FullRB

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Local



Transmit Freq Error x dB Bandwidth

May 31, 2024 90 1:29:40 PM

23.561 kHz 42.46 MHz

#### pectrum Analyzer 1 ccupied BW ø Frequency Center Freq. 1.882500000 GHz Avg|Hold: 500/500 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF Atten: 20 dB Preamp: Off Settings RL Coupling: CAlign: Auto 1.882500000 GHz 1 Graph 80.000 MHz Ref LvI Offset 27.32 dB Ref Value 40.00 dBm Scale/Div 10.0 dB CF Step 8.000000 MHz Auto Man Freq Offset 0 Hz Center 1.88250 GHz #Res BW 820.00 kHz Span 80 MHz Sweep 1.00 ms (1001 pts) #Video BW 3.0000 MHz 2 Metrics Occupied Bandwidth 38.772 MHz Total Power 31.2 dBm

% of OBW Power x dB

99.00 % -26.00 dB

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### 40 M\_OBW\_Mid\_BPSK\_FullRB

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#### pectrum Analyzer 1 ccupied BW ø Frequency Center Freq. 1.882500000 GHz Avg|Hold: 500/500 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF Atten: 20 dB Preamp: Off Settings RL Coupling: CAlign: Auto 1.882500000 GHz 1 Graph 80.000 MHz Ref LvI Offset 27.32 dB Ref Value 40.00 dBm Scale/Div 10.0 dB CF Step 8.000000 MHz Auto Man Freq Offset 0 Hz Center 1.88250 GHz #Res BW 820.00 kHz Span 80 MHz Sweep 1.00 ms (1001 pts) #Video BW 3.0000 MHz 2 Metrics Occupied Bandwidth 38.727 MHz Total Power 30.8 dBm % of OBW Power x dB Transmit Freq Error x dB Bandwidth -28.019 kHz 42.48 MHz 99.00 % -26.00 dB Local 1:30:02 PM III 🐺

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#### pectrum Analyzer 1 ccupied BW ø Frequency Center Freq. 1.882500000 GHz Avg|Hold: 500/500 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF Atten: 20 dB Preamp: Off Settings RL Coupling: CAlign: Auto 1.882500000 GHz 1 Graph 80.000 MHz Ref LvI Offset 27.32 dB Ref Value 40.00 dBm Scale/Div 10.0 dB CF Step 8.000000 MHz Auto Man Freq Offset 0 Hz Center 1.88250 GHz #Res BW 820.00 kHz Span 80 MHz Sweep 1.00 ms (1001 pts) #Video BW 3.0000 MHz 2 Metrics Occupied Bandwidth 38.683 MHz Total Power 29.8 dBm % of OBW Power x dB Transmit Freq Error x dB Bandwidth 2.255 kHz 42.48 MHz 99.00 % -26.00 dB Local

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# 40 M\_OBW\_Mid\_16QAM\_FullRB

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#### pectrum Analyzer 1 ccupied BW ø Frequency Center Freq. 1.882500000 GHz Avg|Hold: 500/500 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF Atten: 20 dB Preamp: Off Settings RL Coupling: CAlign: Auto 1.882500000 GHz 1 Graph 80.000 MHz Ref LvI Offset 27.32 dB Ref Value 40.00 dBm Scale/Div 10.0 dB CF Step 8.000000 MHz Auto Man Freq Offset 0 Hz Center 1.88250 GHz #Res BW 820.00 kHz Span 80 MHz Sweep 1.00 ms (1001 pts) #Video BW 3.0000 MHz 2 Metrics Occupied Bandwidth 38.806 MHz Total Power 29.2 dBm % of OBW Power x dB Transmit Freq Error x dB Bandwidth 67.812 kHz 43.19 MHz 99.00 % -26.00 dB Local May 31, 2024 90 1:30:46 PM III 🐺

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May 31, 2024 90 1:31:08 PM

#### pectrum Analyzer 1 ccupied BW ø Frequency Center Freq. 1.882500000 GHz Avg|Hold: 500/500 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF Atten: 20 dB Preamp: Off Settings RL Coupling: CAlign: Auto 1.882500000 GHz 1 Graph 80.000 MHz Ref LvI Offset 27.32 dB Ref Value 40.00 dBm Scale/Div 10.0 dB CF Step 8.000000 MHz Auto Man Freq Offset 0 Hz Center 1.88250 GHz #Res BW 820.00 kHz Span 80 MHz Sweep 1.00 ms (1001 pts) #Video BW 3.0000 MHz 2 Metrics Occupied Bandwidth 38.691 MHz Total Power 27.1 dBm % of OBW Power x dB Transmit Freq Error x dB Bandwidth -8.372 kHz 42.76 MHz 99.00 % -26.00 dB Local

III 🐺

### 40 M\_OBW\_Mid\_256QAM\_FullRB

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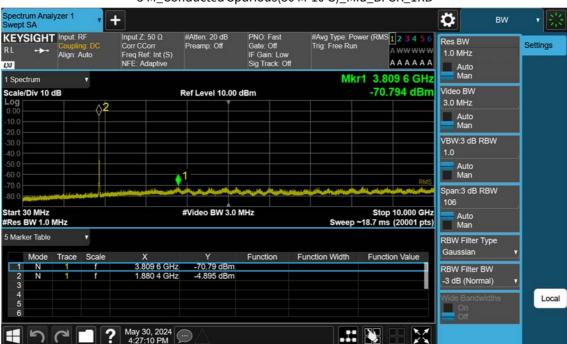




5 M\_Conducted Spurious(30 M-10 G)\_Low\_BPSK\_1RB

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5 M\_Conducted Spurious(30 M-10 G)\_Mid\_BPSK\_1RB

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5 M\_Conducted Spurious(30 M-10 G)\_High\_BPSK\_1RB

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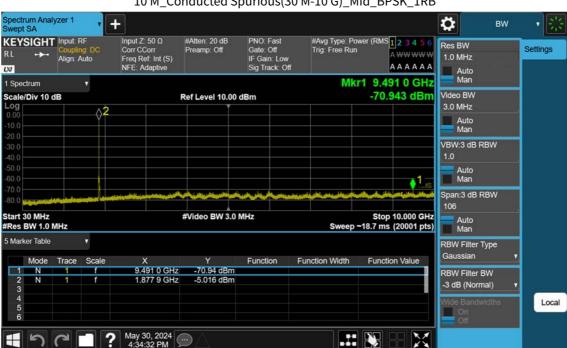




10 M\_Conducted Spurious(30 M-10 G)\_Low\_BPSK\_1RB

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### 10 M\_Conducted Spurious(30 M-10 G)\_Mid\_BPSK\_1RB

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10 M\_Conducted Spurious(30 M-10 G)\_High\_BPSK\_1RB

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15 M\_Conducted Spurious(30 M-10 G)\_Low\_BPSK\_1RB

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### 15 M\_Conducted Spurious(30 M-10 G)\_Mid\_BPSK\_1RB

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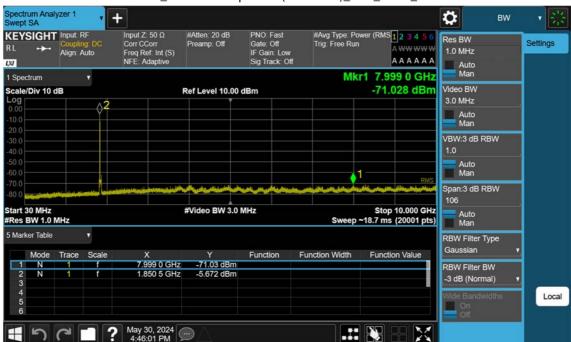




15 M\_Conducted Spurious(30 M-10 G)\_High\_BPSK\_1RB

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20 M\_Conducted Spurious(30 M-10 G)\_Low\_BPSK\_1RB

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20 M\_Conducted Spurious(30 M-10 G)\_Mid\_BPSK\_1RB

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20 M\_Conducted Spurious(30 M-10 G)\_High\_BPSK\_1RB

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25 M\_Conducted Spurious(30 M-10 G)\_Low\_BPSK\_1RB

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### 25 M\_Conducted Spurious(30 M-10 G)\_Mid\_BPSK\_1RB

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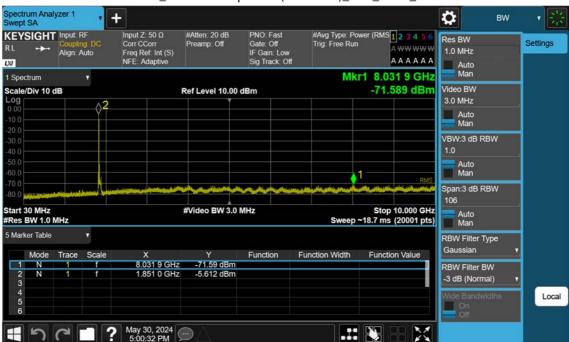




25 M\_Conducted Spurious(30 M-10 G)\_High\_BPSK\_1RB

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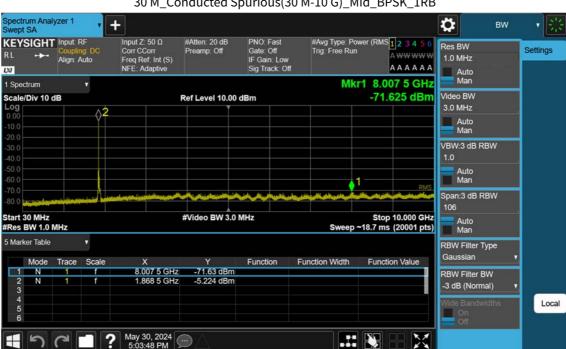




30 M\_Conducted Spurious(30 M-10 G)\_Low\_BPSK\_1RB

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### 30 M\_Conducted Spurious(30 M-10 G)\_Mid\_BPSK\_1RB

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30 M\_Conducted Spurious(30 M-10 G)\_High\_BPSK\_1RB

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35 M\_Conducted Spurious(30 M-10 G)\_Low\_BPSK\_1RB

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### 35 M\_Conducted Spurious(30 M-10 G)\_Mid\_BPSK\_1RB

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35 M\_Conducted Spurious(30 M-10 G)\_High\_BPSK\_1RB

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40 M\_Conducted Spurious(30 M-10 G)\_Low\_BPSK\_1RB

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### 40 M\_Conducted Spurious(30 M-10 G)\_Mid\_BPSK\_1RB

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40 M\_Conducted Spurious(30 M-10 G)\_High\_BPSK\_1RB

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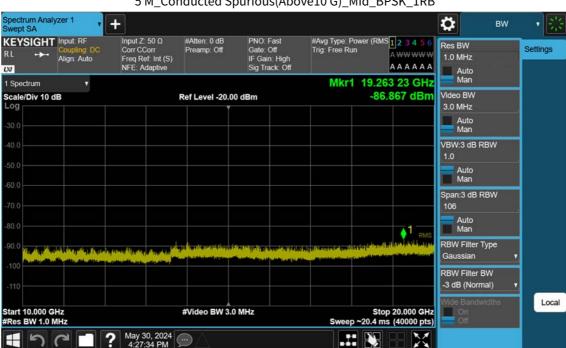
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### 5 M\_Conducted Spurious(Above10 G)\_Low\_BPSK\_1RB

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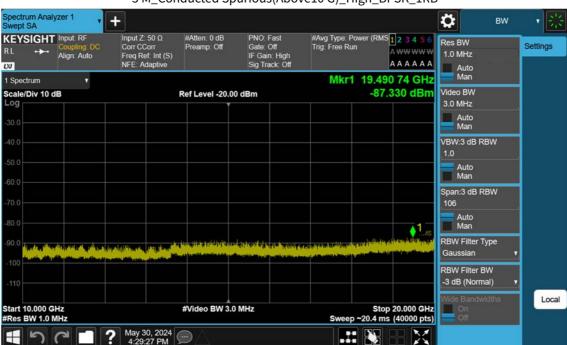




### 5 M\_Conducted Spurious(Above10 G)\_Mid\_BPSK\_1RB

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## 5 M\_Conducted Spurious(Above10 G)\_High\_BPSK\_1RB

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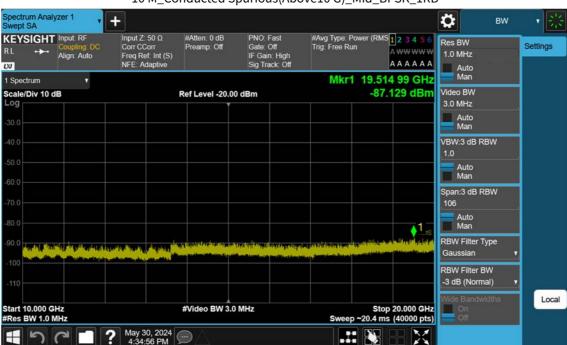


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### 10 M\_Conducted Spurious(Above10 G)\_Low\_BPSK\_1RB

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### 10 M\_Conducted Spurious(Above10 G)\_Mid\_BPSK\_1RB

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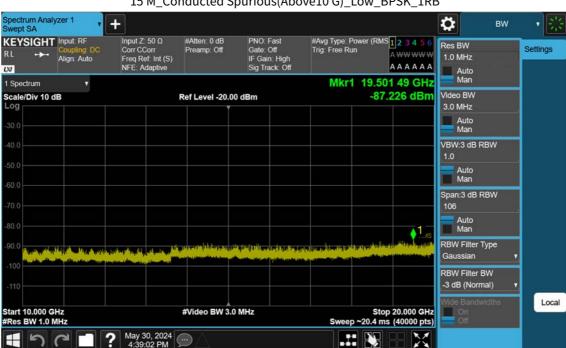




### 10 M\_Conducted Spurious(Above10 G)\_High\_BPSK\_1RB

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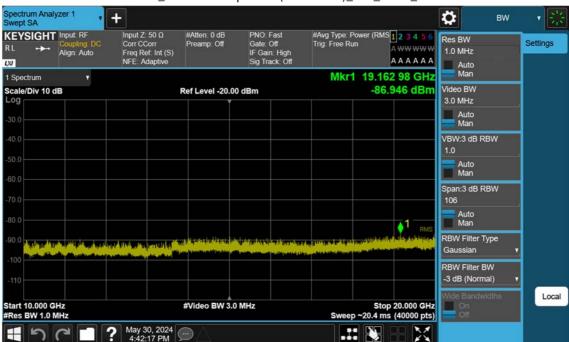




### 15 M\_Conducted Spurious(Above10 G)\_Low\_BPSK\_1RB

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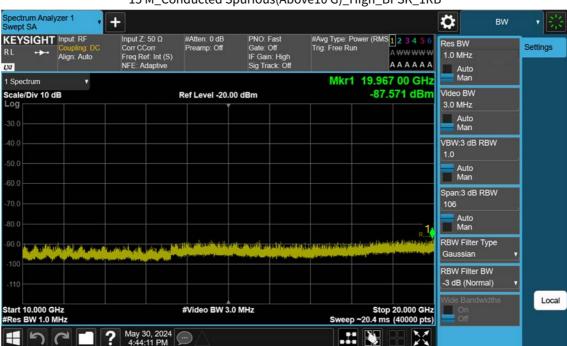




### 15 M\_Conducted Spurious(Above10 G)\_Mid\_BPSK\_1RB

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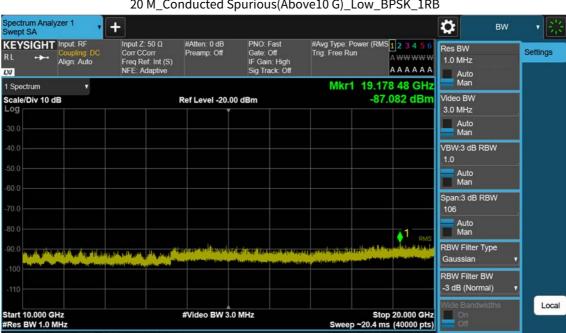




# 15 M\_Conducted Spurious(Above10 G)\_High\_BPSK\_1RB

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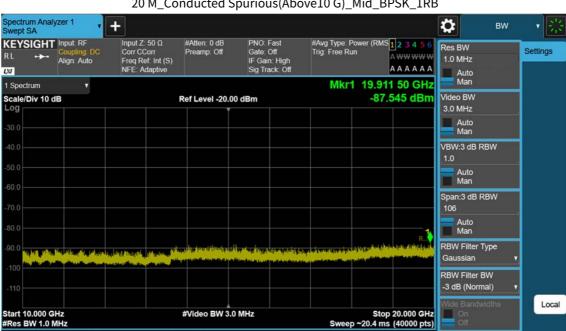
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### 20 M\_Conducted Spurious(Above10 G)\_Low\_BPSK\_1RB

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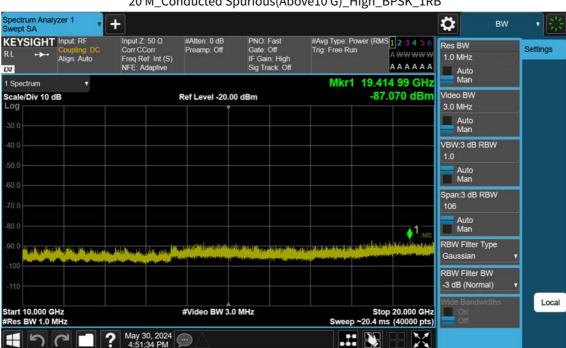


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### 20 M\_Conducted Spurious(Above10 G)\_Mid\_BPSK\_1RB

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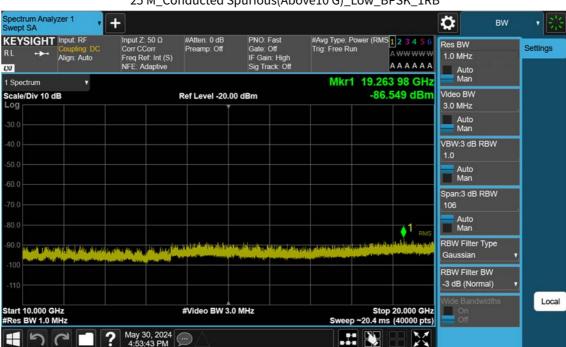




### 20 M\_Conducted Spurious(Above10 G)\_High\_BPSK\_1RB

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### 25 M\_Conducted Spurious(Above10 G)\_Low\_BPSK\_1RB

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