

15 M_Extended Band Edge_High_BPSK_FullRB

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ø Meas Setup Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run KEYSIGHT Input RF #Atten: 16 dB Preamp: Off Avg|Hold Number Settings R L Align: Auto AAAAAA Avg Type Power (RMS) Limits Mkr1 1.849 992 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 27.16 dBm Meas Standard -41.388 dBm Scale/Div 10 dB Auto Man Legacy Compat Meas Setup Summary Table Advanced Auto Couple Global Meas Preset DL1-13.00 dE Local Center 1.850000 GHz #Res BW 30 kHz Span 4.000 MHz #Sweep ~1.01 s (1001 pts) #Video BW 100 kHz

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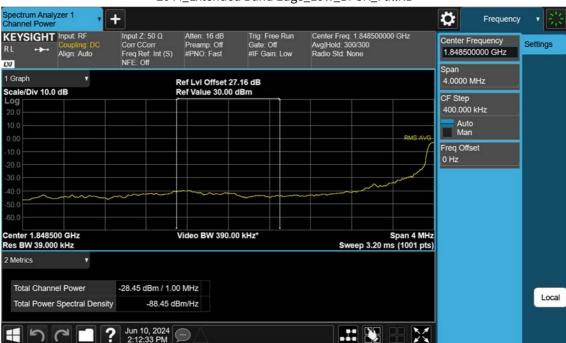


ø Meas Setup Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS 1 2 3 4 5 6 Trig. Free Run KEYSIGHT Input RF #Atten: 16 dB Preamp: Off Avg|Hold Number Settings R L Align: Auto AAAAAA Avg Type Power (RMS) Limits Mkr1 1.849 996 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 27.16 dBm Meas Standard -27.843 dBm Scale/Div 10 dB Auto Man Legacy Compat Meas Setup Summary Table Advanced Auto Couple Global Meas Preset DL1 -13.00 dl Local Center 1.850000 GHz #Res BW 200 kHz Span 4.000 MHz #Sweep ~1.01 s (1001 pts) #Video BW 620 kHz

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ø Meas Setup Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run KEYSIGHT Input RF #Atten: 16 dB Preamp: Off Avg|Hold Number Settings R L Align: Auto AAAAAA Avg Type Power (RMS) Limits Mkr1 1.910 384 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 27.16 dBm Meas Standard -40.940 dBm Scale/Div 10 dB Auto Man Legacy Compat Meas Setup Summary Table Advanced Auto Couple Global Meas Preset DL1-13.00 dE Local Center 1.910000 GHz #Res BW 30 kHz Span 4.000 MHz #Sweep ~1.01 s (1001 pts) #Video BW 100 kHz ? Jun 10, 2024

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ø Meas Setup Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS 1 2 3 4 5 6 Trig. Free Run KEYSIGHT Input RF #Atten: 16 dB Preamp: Off Avg|Hold Number Settings R L Align: Auto AAAAAA Avg Type Power (RMS) Limits Mkr1 1.910 000 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 27.16 dBm -34.007 dBm Meas Standard Scale/Div 10 dB Auto Man Legacy Compat Meas Setup Summary Table Advanced Auto Couple Global Meas Preset DL1-13.00 dE Local Center 1.910000 GHz #Res BW 200 kHz Span 4.000 MHz #Sweep ~1.01 s (1001 pts) #Video BW 620 kHz ? Jun 10, 2024

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ø Meas Setup Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run KEYSIGHT Input RF #Atten: 16 dB Preamp: Off Avg|Hold Number Settings R L Align: Auto A A A A A A Avg Type Power (RMS) Limits Mkr1 1.849 872 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 27.16 dBm Meas Standard -42.706 dBm Scale/Div 10 dB Auto Man Legacy Compat Meas Setup Summary Table Advanced Auto Couple Global Meas Preset DL1-13.00 dE **♦**1 Local Center 1.850000 GHz #Res BW 30 kHz Span 4.000 MHz #Sweep ~1.01 s (1001 pts) #Video BW 100 kHz

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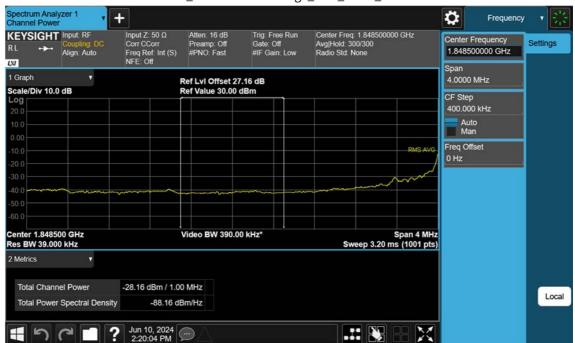
ø Meas Setup Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS 1 2 3 4 5 6 Trig. Free Run KEYSIGHT Input RF #Atten: 16 dB Preamp: Off Avg|Hold Number Settings R L Align: Auto AAAAAA Avg Type Power (RMS) Limits Mkr1 1.850 000 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 27.16 dBm -25.884 dBm Meas Standard Scale/Div 10 dB Auto Man Legacy Compat Meas Setup Summary Table Advanced Auto Couple Global Meas Preset DL1 -13.00 dl Local Center 1.850000 GHz #Res BW 270 kHz Span 4.000 MHz #Sweep ~1.01 s (1001 pts) #Video BW 910 kHz

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ø Meas Setup Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run KEYSIGHT Input RF #Atten: 16 dB Preamp: Off Avg|Hold Number Settings R L Align: Auto AAAAAA Avg Type Power (RMS) Limits Mkr1 1.910 000 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 27.16 dBm Meas Standard -43.471 dBm Scale/Div 10 dB Auto Man Legacy Compat Meas Setup Summary Table Advanced Auto Couple Global Meas Preset DL1-13.00 dE Local Center 1.910000 GHz #Res BW 30 kHz Span 4.000 MHz #Sweep ~1.01 s (1001 pts) #Video BW 100 kHz ? Jun 10, 2024

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ø Meas Setup Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS 1 2 3 4 5 6 Trig. Free Run KEYSIGHT Input RF #Atten: 16 dB Preamp: Off Avg|Hold Number Settings R L Align: Auto AAAAAA Avg Type Power (RMS) Limits Mkr1 1.850 000 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 27.16 dBm Meas Standard -40.788 dBm Scale/Div 10 dB Auto Man Legacy Compat Meas Setup Summary Table Advanced Auto Couple Global Meas Preset DL1-13.00 dE 1 Local Center 1.850000 GHz #Res BW 30 kHz Span 4.000 MHz #Sweep ~1.01 s (1001 pts) #Video BW 100 kHz

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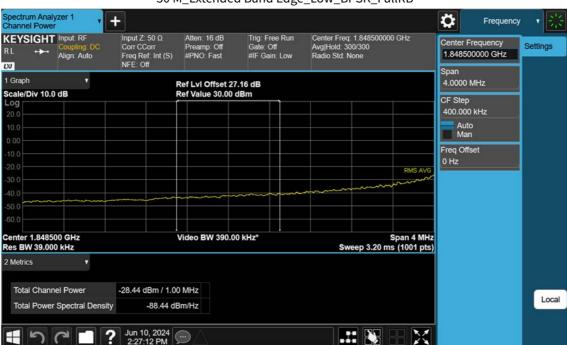


ø Meas Setup Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS 1 2 3 4 5 6 Trig. Free Run KEYSIGHT Input RF #Atten: 16 dB Preamp: Off Avg|Hold Number Settings R L Align: Auto AAAAAA Avg Type Power (RMS) Limits Mkr1 1.849 980 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 27.16 dBm -25.586 dBm Meas Standard Scale/Div 10 dB Auto Man Legacy Compat Meas Setup Summary Table Advanced Auto Couple Global Meas Preset DL1-13.00 dE Local Center 1.850000 GHz #Res BW 300 kHz Span 4.000 MHz #Sweep ~1.01 s (1001 pts) #Video BW 1.0 MHz ? Jun 10, 2024

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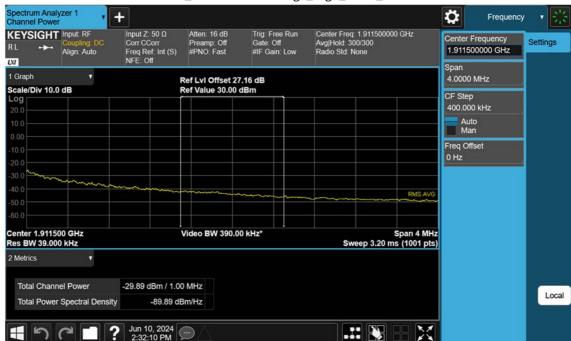




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ø Meas Setup Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS 1 2 3 4 5 6 Trig. Free Run KEYSIGHT Input RF #Atten: 16 dB Preamp: Off Avg|Hold Number Settings R L Align: Auto AAAAAA Avg Type Power (RMS) Limits Mkr1 1.849 996 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 27.16 dBm Meas Standard -41.469 dBm Scale/Div 10 dB Auto Man Legacy Compat Meas Setup Summary Table Advanced Auto Couple Global Meas Preset DL1-13.00 dE Local Center 1.850000 GHz #Res BW 30 kHz Span 4.000 MHz #Sweep ~1.01 s (1001 pts) #Video BW 100 kHz

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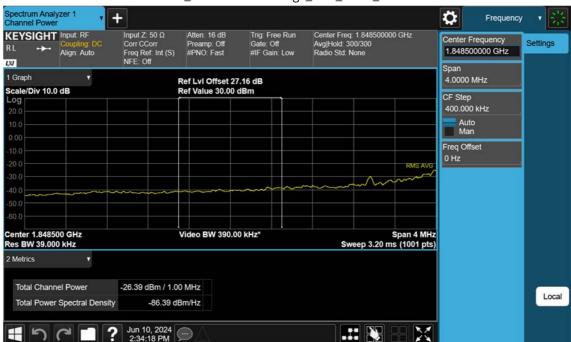


ø Meas Setup Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS 1 2 3 4 5 6 Trig. Free Run KEYSIGHT Input RF #Atten: 16 dB Preamp: Off Avg|Hold Number Settings R L Align: Auto AAAAAA Avg Type Power (RMS) Limits Mkr1 1.850 000 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 27.16 dBm Meas Standard -21.517 dBm Scale/Div 10 dB Auto Man Legacy Compat Meas Setup Summary Table Advanced Auto Couple Global Meas Preset DL1 -13.00 dl Local Center 1.850000 GHz #Res BW 430 kHz Span 4.000 MHz #Sweep ~1.01 s (1001 pts) #Video BW 1.3 MHz

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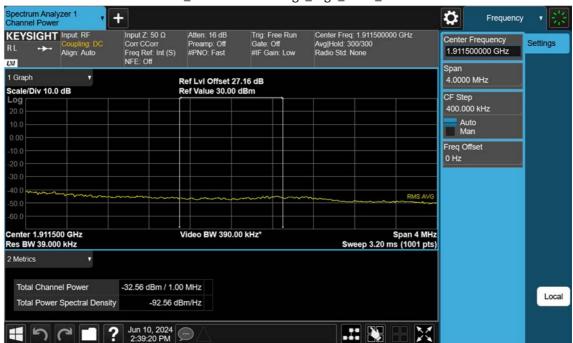




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35 M_Extended Band Edge_High_BPSK_FullRB

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ø Meas Setup Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run KEYSIGHT Input RF #Atten: 16 dB Preamp: Off Avg|Hold Number Settings R L Align: Auto AAAAAA Avg Type Power (RMS) Limits Mkr1 1.850 000 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 27.16 dBm Meas Standard -41.846 dBm Scale/Div 10 dB Auto Man Legacy Compat Meas Setup Summary Table Advanced Auto Couple Global Meas Preset DL1-13.00 dE Local Center 1.850000 GHz #Res BW 30 kHz Span 4.000 MHz #Sweep ~1.01 s (1001 pts) #Video BW 100 kHz

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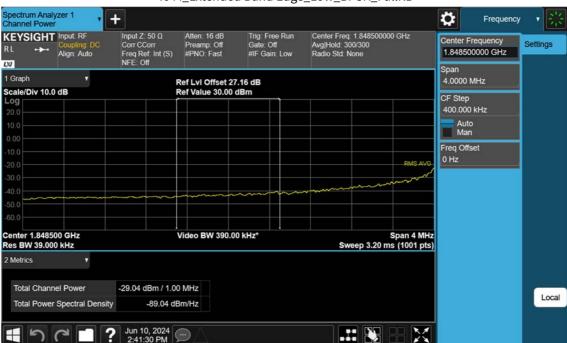


ø Meas Setup Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS 1 2 3 4 5 6 Trig. Free Run KEYSIGHT Input RF #Atten: 16 dB Preamp: Off Avg|Hold Number Settings R L Align: Auto AAAAAA Avg Type Power (RMS) Limits Mkr1 1.849 996 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 27.16 dBm Meas Standard -21.922 dBm Scale/Div 10 dB Auto Man Legacy Compat Meas Setup Summary Table Advanced Auto Couple Global Meas Preset DL1 -13.00 dl Local Center 1.850000 GHz #Res BW 430 kHz Span 4.000 MHz #Sweep ~1.01 s (1001 pts) #Video BW 1.3 MHz

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40 M_Extended Band Edge_Low_BPSK_FullRB

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ø Meas Setup Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run KEYSIGHT Input RF #Atten: 16 dB Preamp: Off Avg|Hold Number Settings R L Align: Auto AAAAAA Avg Type Power (RMS) Limits Mkr1 1.910 000 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 27.16 dBm Meas Standard -41.162 dBm Scale/Div 10 dB Auto Man Legacy Compat Meas Setup Summary Table Advanced Auto Couple Global Meas Preset DL1-13.00 dE Local Center 1.910000 GHz #Res BW 30 kHz Span 4.000 MHz #Sweep ~1.01 s (1001 pts) #Video BW 100 kHz

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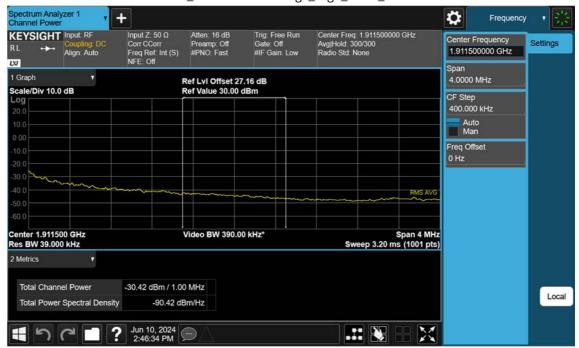




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12. TEST PLOTS(ANT F)

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Local

20.00 dB



5.46 dB

0.00 dB Info BW 5.0000 MHz

27.54 dBm

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Peak

ectrum Analyzer 1 ower Stat CCDF ø Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Center Freq: 1.880000000 GHz Counts: 2.00 M/2.00 Mpt Radio Std: None KEYSIGHT Input RF Atten: 16 dB Preamp: Off Center Frequency 1.880000000 GHz Settings R L Align: Auto CF Step 5.000000 MHz 2 Graph 1 Metrics Auto Man Average Power 22.08 dBm Freq Offset 0 Hz 54.54 % at 0 dB 10.0 % 2.06 dB 1.0 % 3.42 dB 0.1 % 4.28 dB 0.01 % 4.86 dB 0.001 % 5.20 dB 0.0001 % 5.35 dB

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ectrum Analyzer 1 ower Stat CCDF ø Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Center Freq: 1.880000000 GHz Counts: 2.00 M/2.00 Mpt Radio Std: None KEYSIGHT Input RF Atten: 16 dB Preamp: Off Center Frequency 1.880000000 GHz Settings R L Align: Auto CF Step 5.000000 MHz 2 Graph 1 Metrics Auto Man Average Power 21.58 dBm Freq Offset 0 Hz 52.25 % at 0 dB 10.0 % 2.44 dB 1.0 % 4.29 dB 0.1 % 5.38 dB 0.01 % 5.98 dB 0.001 % 6.54 dB 0.0001 % 6.83 dB 6.88 dB Peak 28.46 dBm Local 0.00 dB Info BW 5.0000 MHz 20.00 dB

5 M_PAR_Mid_QPSK_FullRB

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5 M_PAR_Mid_16QAM_FullRB ectrum Analyzer 1 ower Stat CCDF ø Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Center Freq: 1.880000000 GHz Counts: 2.00 M/2.00 Mpt Radio Std: None KEYSIGHT Input RF Atten: 16 dB Preamp: Off Center Frequency 1.880000000 GHz Settings R L Align: Auto CF Step 5.000000 MHz 2 Graph 1 Metrics Auto Man Average Power 20.56 dBm Freq Offset 0 Hz 48.73 % at 0 dB 10.0 % 2.88 dB 1.0 % 4.80 dB 0.1 % 5.92 dB 0.01 % 6.69 dB 0.001 % 7.23 dB 0.0001 % 7.81 dB 7.88 dB Peak 28.44 dBm Local 0.00 dB Info BW 5.0000 MHz 20.00 dB

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ectrum Analyzer 1 ower Stat CCDF ø Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Center Freq: 1.880000000 GHz Counts: 2.00 M/2.00 Mpt Radio Std: None KEYSIGHT Input RF Atten: 16 dB Preamp: Off Center Frequency 1.880000000 GHz Settings R L Align: Auto CF Step 5.000000 MHz 1 Metrics 2 Graph Auto Man Average Power 20.08 dBm Freq Offset 0 Hz 46.50 % at 0 dB 10.0 % 2.91 dB 1.0 % 4.94 dB 0.1 % 6.09 dB 0.01 % 6.72 dB 0.001 % 7.06 dB 0.0001 % 7.40 dB 7.55 dB Peak 27.63 dBm Local 0.00 dB Info BW 5.0000 MHz 20.00 dB

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ectrum Analyzer 1 ower Stat CCDF ø Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Center Freq: 1.880000000 GHz Counts: 2.00 M/2.00 Mpt Radio Std: None KEYSIGHT Input RF Atten: 16 dB Preamp: Off Center Frequency 1.880000000 GHz Settings R L Align: Auto CF Step 5.000000 MHz 1 Metrics 2 Graph Auto Man Average Power 18.05 dBm Freq Offset 0 Hz 46.52 % at 0 dB 10.0 % 2.93 dB 1.0 % 5.02 dB 0.1 % 6.27 dB 0.01 % 6.94 dB 0.001 % 7.21 dB 0.0001 % 7.53 dB 16.85 dB Peak 34.90 dBm Local 0.00 dB Info BW 5.0000 MHz 20.00 dB

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Local

20.00 dB



5.35 dB

0.00 dB Info BW 10.000 MHz

27.57 dBm

Peak

ectrum Analyzer 1 ower Stat CCDF ø Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Center Freq: 1.880000000 GHz Counts: 2.00 M/2.00 Mpt Radio Std: None KEYSIGHT Input RF Atten: 16 dB Preamp: Off Center Frequency 1.880000000 GHz Settings R L Align: Auto CF Step 5.000000 MHz 1 Metrics 2 Graph Auto Man Average Power 22.22 dBm Freq Offset 0 Hz 50.05 % at 0 dB 10.0 % 1.83 dB 1.0 % 3.40 dB 0.1 % 4.11 dB 0.01 % 4.66 dB 0.001 % 5.10 dB 0.0001 % 5.31 dB

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ectrum Analyzer 1 ower Stat CCDF ø Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Center Freq: 1.880000000 GHz Counts: 2.00 M/2.00 Mpt Radio Std: None KEYSIGHT Input RF Atten: 16 dB Preamp: Off Center Frequency 1.880000000 GHz Settings R L Align: Auto CF Step 10.000000 MHz 1 Metrics 2 Graph Auto Man Average Power 20.26 dBm Freq Offset 0 Hz 45.62 % at 0 dB 10.0 % 2.88 dB 1.0 % 4.80 dB 0.1 % 5.89 dB 0.01 % 6.54 dB 0.001 % 6.92 dB 0.0001 % 7.64 dB 7.67 dB Peak 27.93 dBm Local 0.00 dB Info BW 10.000 MHz 20.00 dB

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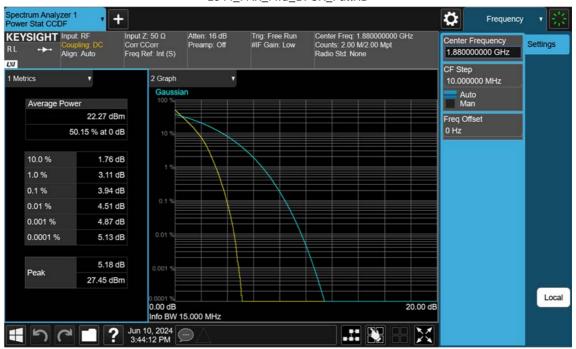
ectrum Analyzer 1 ower Stat CCDF ø Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Center Freq: 1.880000000 GHz Counts: 2.00 M/2.00 Mpt Radio Std: None KEYSIGHT Input RF Atten: 16 dB Preamp: Off Center Frequency 1.880000000 GHz Settings R L Align: Auto CF Step 10.000000 MHz 1 Metrics 2 Graph Auto Man Average Power 18.29 dBm Freq Offset 0 Hz 45.67 % at 0 dB 10.0 % 2.89 dB 1.0 % 4.76 dB 0.1 % 5.95 dB 0.01 % 6.66 dB 0.001 % 7.01 dB 0.0001 % 7.71 dB 7.76 dB Peak 26.05 dBm Local 0.00 dB Info BW 10.000 MHz 20.00 dB

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15 M_PAR_Mid_16QAM_FullRB ectrum Analyzer 1 ower Stat CCDF ø Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Center Freq: 1.880000000 GHz Counts: 2.00 M/2.00 Mpt Radio Std: None KEYSIGHT Input RF Atten: 16 dB Preamp: Off Center Frequency 1.880000000 GHz Settings R L Align: Auto CF Step 15.000000 MHz 1 Metrics 2 Graph Auto Man Average Power 20.77 dBm Freq Offset 0 Hz 47.35 % at 0 dB 10.0 % 2.71 dB 1.0 % 4.61 dB 0.1 % 5.74 dB 0.01 % 6.35 dB 0.001 % 6.74 dB 0.0001 % 7.00 dB 7.10 dB Peak 27.87 dBm Local 0.00 dB Info BW 15.000 MHz 20.00 dB

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ectrum Analyzer 1 ower Stat CCDF ø Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Center Freq: 1.880000000 GHz Counts: 2.00 M/2.00 Mpt Radio Std: None KEYSIGHT Input RF Atten: 16 dB Preamp: Off Center Frequency 1.880000000 GHz Settings R L Align: Auto CF Step 15.000000 MHz 1 Metrics 2 Graph Auto Man Average Power 18.28 dBm Freq Offset 0 Hz 46.16 % at 0 dB 10.0 % 2.79 dB 1.0 % 4.77 dB 0.1 % 5.94 dB 0.01 % 6.67 dB 0.001 % 7.11 dB 0.0001 % 7.27 dB 7.37 dB Peak 25.65 dBm Local 0.00 dB Info BW 15.000 MHz 20.00 dB

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ectrum Analyzer 1 ower Stat CCDF ø Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Center Freq: 1.880000000 GHz Counts: 2.00 M/2.00 Mpt Radio Std: None KEYSIGHT Input RF Atten: 16 dB Preamp: Off Center Frequency 1.880000000 GHz Settings R L Align: Auto CF Step 20.000000 MHz 1 Metrics 2 Graph Auto Man Average Power 20.79 dBm Freq Offset 0 Hz 45.10 % at 0 dB 10.0 % 2.94 dB 1.0 % 4.68 dB 0.1 % 5.68 dB 0.01 % 6.32 dB 0.001 % 6.78 dB 0.0001 % 7.11 dB 7.19 dB Peak 27.98 dBm Local 0.00 dB Info BW 20.000 MHz 20.00 dB

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20 M_PAR_Mid_64QAM_FullRB ectrum Analyzer 1 ower Stat CCDF ø Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Center Freq: 1.880000000 GHz Counts: 2.00 M/2.00 Mpt Radio Std: None KEYSIGHT Input RF Atten: 16 dB Preamp: Off Center Frequency 1.880000000 GHz Settings R L Align: Auto CF Step 20.000000 MHz 1 Metrics 2 Graph Auto Man Average Power 20.29 dBm Freq Offset 0 Hz 43.77 % at 0 dB 10.0 % 3.07 dB 1.0 % 4.82 dB 0.1 % 5.90 dB 0.01 % 6.65 dB 0.001 % 7.34 dB 0.0001 % 7.56 dB 7.67 dB Peak 27.96 dBm Local 0.00 dB Info BW 20.000 MHz 20.00 dB 1 9 P 3 Jun 10, 2024 3:52:27 PM

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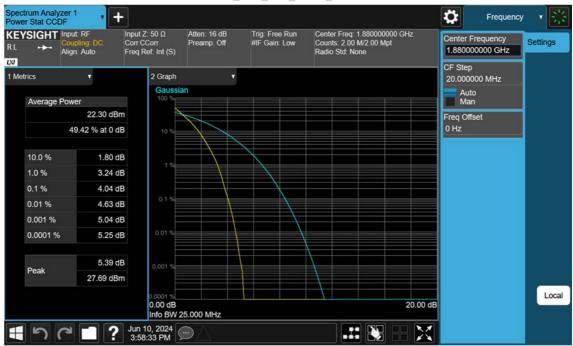
ectrum Analyzer 1 ower Stat CCDF ø Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Center Freq: 1.880000000 GHz Counts: 2.00 M/2.00 Mpt Radio Std: None KEYSIGHT Input RF Atten: 16 dB Preamp: Off Center Frequency 1.880000000 GHz Settings R L Align: Auto CF Step 20.000000 MHz 1 Metrics 2 Graph Auto Man Average Power 18.30 dBm Freq Offset 0 Hz 43.86 % at 0 dB 10.0 % 3.08 dB 1.0 % 4.79 dB 0.1 % 5.92 dB 0.01 % 6.75 dB 0.001 % 7.31 dB 0.0001 % 7.73 dB 7.75 dB Peak 26.05 dBm Local 0.00 dB Info BW 20.000 MHz 20.00 dB

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25 M_PAR_Mid_BPSK_FullRB



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ectrum Analyzer 1 ower Stat CCDF ø Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Center Freq: 1.880000000 GHz Counts: 2.00 M/2.00 Mpt Radio Std: None KEYSIGHT Input RF Atten: 16 dB Preamp: Off Center Frequency 1.880000000 GHz Settings R L Align: Auto CF Step 25.000000 MHz 2 Graph 1 Metrics Auto Man Average Power 21.78 dBm Freq Offset 0 Hz 48.64 % at 0 dB 10.0 % 2.22 dB 1.0 % 4.08 dB 0.1 % 5.18 dB 0.01 % 5.87 dB 0.001 % 6.37 dB 0.0001 % 6.54 dB 6.65 dB Peak 28.43 dBm Local 0.00 dB Info BW 25.000 MHz 20.00 dB

25 M_PAR_Mid_QPSK_FullRB

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25 M_PAR_Mid_16QAM_FullRB ectrum Analyzer 1 ower Stat CCDF ø Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Center Freq: 1.880000000 GHz Counts: 2.00 M/2.00 Mpt Radio Std: None KEYSIGHT Input RF Atten: 16 dB Preamp: Off Center Frequency 1.880000000 GHz Settings R L Align: Auto CF Step 25.000000 MHz 1 Metrics 2 Graph Auto Man Average Power 20.79 dBm Freq Offset 0 Hz 46.89 % at 0 dB 10.0 % 2.72 dB 1.0 % 4.66 dB 0.1 % 5.84 dB 0.01 % 6.60 dB 0.001 % 7.01 dB 0.0001 % 7.15 dB 7.22 dB Peak 28.01 dBm Local 0.00 dB Info BW 25.000 MHz 20.00 dB 1 5 C 2 3.59:18 PM

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25 M_PAR_Mid_64QAM_FullRB ectrum Analyzer 1 ower Stat CCDF ø Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Center Freq: 1.880000000 GHz Counts: 2.00 M/2.00 Mpt Radio Std: None KEYSIGHT Input RF Atten: 16 dB Preamp: Off Center Frequency 1.880000000 GHz Settings R L Align: Auto CF Step 25.000000 MHz 1 Metrics 2 Graph Auto Man Average Power 20.28 dBm Freq Offset 0 Hz 45.64 % at 0 dB 10.0 % 2.78 dB 1.0 % 4.76 dB 0.1 % 5.93 dB 0.01 % 6.81 dB 0.001 % 7.40 dB 0.0001 % 7.82 dB 7.84 dB Peak 28.12 dBm Local 0.00 dB Info BW 25.000 MHz 20.00 dB

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ectrum Analyzer 1 ower Stat CCDF ø Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Center Freq: 1.880000000 GHz Counts: 2.00 M/2.00 Mpt Radio Std: None KEYSIGHT Input RF Atten: 16 dB Preamp: Off Center Frequency 1.880000000 GHz Settings R L Align: Auto CF Step 25.000000 MHz 1 Metrics 2 Graph Auto Man Average Power 18.27 dBm Freq Offset 0 Hz 45.53 % at 0 dB 10.0 % 2.81 dB 1.0 % 4.81 dB 0.1 % 6.00 dB 0.01 % 6.79 dB 0.001 % 7.23 dB 0.0001 % 7.43 dB 7.45 dB Peak 25.72 dBm Local 0.00 dB Info BW 25.000 MHz 20.00 dB

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30 M_PAR_Mid_BPSK_FullRB



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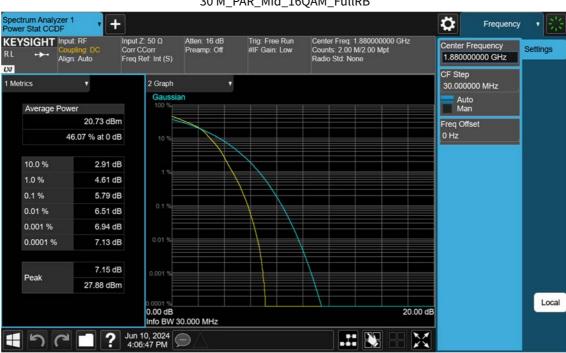
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ectrum Analyzer 1 ower Stat CCDF ø Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Center Freq: 1.880000000 GHz Counts: 2.00 M/2.00 Mpt Radio Std: None KEYSIGHT Input RF Atten: 16 dB Preamp: Off Center Frequency 1.880000000 GHz Settings R L Align: Auto CF Step 30.000000 MHz 2 Graph 1 Metrics Auto Man Average Power 21.72 dBm Freq Offset 0 Hz 48.00 % at 0 dB 10.0 % 2.48 dB 1.0 % 4.13 dB 0.1 % 5.14 dB 0.01 % 5.81 dB 0.001 % 6.25 dB 0.0001 % 6.59 dB 6.88 dB Peak 28.60 dBm Local 0.00 dB Info BW 30.000 MHz 20.00 dB

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30 M_PAR_Mid_16QAM_FullRB

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30 M_PAR_Mid_256QAM_FullRB ectrum Analyzer 1 ower Stat CCDF ø Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Center Freq: 1.880000000 GHz Counts: 2.00 M/2.00 Mpt Radio Std: None KEYSIGHT Input RF Atten: 16 dB Preamp: Off Center Frequency 1.880000000 GHz Settings R L Align: Auto CF Step 30.000000 MHz 1 Metrics 2 Graph Auto Man Average Power 18.23 dBm Freq Offset 0 Hz 44.58 % at 0 dB 10.0 % 3.02 dB 1.0 % 4.85 dB 0.1 % 6.06 dB 0.01 % 6.87 dB 0.001 % 7.34 dB 0.0001 % 7.53 dB 7.55 dB Peak 25.78 dBm Local 0.00 dB Info BW 30.000 MHz 20.00 dB 1 5 C Jun 10, 2024 Sun 10, 2024 Sun 10, 2024

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ectrum Analyzer 1 ower Stat CCDF ø Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Center Freq: 1.880000000 GHz Counts: 2.00 M/2.00 Mpt Radio Std: None KEYSIGHT Input RF Atten: 16 dB Preamp: Off Center Frequency 1.880000000 GHz Settings R L Align: Auto CF Step 30.000000 MHz 1 Metrics 2 Graph Auto Man Average Power 22.20 dBm Freq Offset 0 Hz 47.84 % at 0 dB 10.0 % 1.94 dB 1.0 % 3.81 dB 0.1 % 4.31 dB 0.01 % 4.60 dB 0.001 % 4.98 dB 0.0001 % 5.24 dB 5.34 dB Peak 27.54 dBm Local 0.00 dB Info BW 35.000 MHz 20.00 dB

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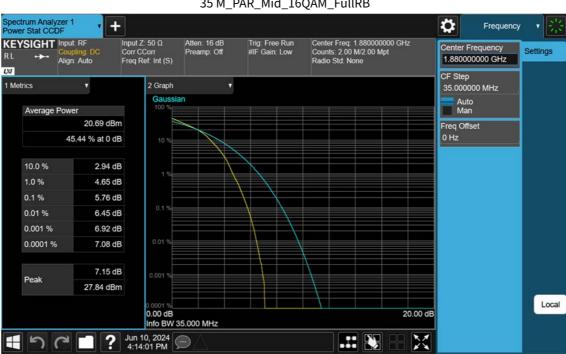


1 5 C Jun 10, 2024 Sun 10, 2024 Sun 10, 2024

35 M_PAR_Mid_QPSK_FullRB ectrum Analyzer 1 ower Stat CCDF ø Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Center Freq: 1.880000000 GHz Counts: 2.00 M/2.00 Mpt Radio Std: None KEYSIGHT Input RF Atten: 16 dB Preamp: Off Center Frequency 1.880000000 GHz Settings R L Align: Auto CF Step 35.000000 MHz 1 Metrics 2 Graph Auto Man Average Power 21.71 dBm Freq Offset 0 Hz 47.34 % at 0 dB 10.0 % 2.45 dB 1.0 % 4.26 dB 0.1 % 5.14 dB 0.01 % 5.78 dB 0.001 % 6.25 dB 0.0001 % 6.44 dB 6.46 dB Peak 28.17 dBm Local 0.00 dB Info BW 35.000 MHz 20.00 dB

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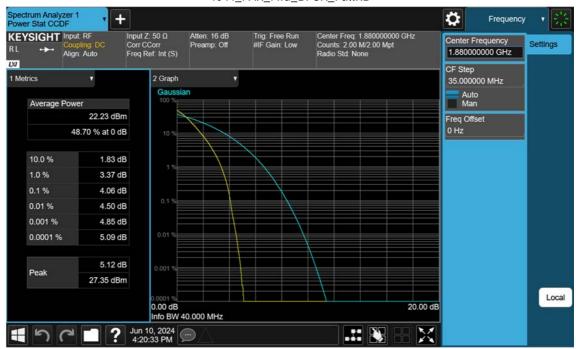
ectrum Analyzer 1 ower Stat CCDF ø Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Center Freq: 1.880000000 GHz Counts: 2.00 M/2.00 Mpt Radio Std: None KEYSIGHT Input RF Atten: 16 dB Preamp: Off Center Frequency 1.880000000 GHz Settings R L Align: Auto CF Step 35.000000 MHz 1 Metrics 2 Graph Auto Man Average Power 18.20 dBm Freq Offset 0 Hz 43.80 % at 0 dB 10.0 % 3.06 dB 1.0 % 4.79 dB 0.1 % 6.06 dB 0.01 % 6.86 dB 0.001 % 7.39 dB 0.0001 % 7.63 dB 7.64 dB Peak 25.84 dBm Local 0.00 dB Info BW 35.000 MHz 20.00 dB

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40 M_PAR_Mid_BPSK_FullRB



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40 M_PAR_Mid_QPSK_FullRB



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ectrum Analyzer 1 ower Stat CCDF ø Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Center Freq: 1.880000000 GHz Counts: 2.00 M/2.00 Mpt Radio Std: None KEYSIGHT Input RF Atten: 16 dB Preamp: Off Center Frequency 1.880000000 GHz Settings R L Align: Auto CF Step 40.000000 MHz 1 Metrics 2 Graph Auto Man Average Power 20.72 dBm Freq Offset 0 Hz 46.51 % at 0 dB 10.0 % 2.80 dB 1.0 % 4.60 dB 0.1 % 5.71 dB 0.01 % 6.40 dB 0.001 % 6.88 dB 0.0001 % 7.01 dB 7.13 dB Peak 27.85 dBm Local 0.00 dB Info BW 40.000 MHz 20.00 dB

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40 M_PAR_Mid_64QAM_FullRB

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ectrum Analyzer 1 ower Stat CCDF ø Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Center Freq: 1.880000000 GHz Counts: 2.00 M/2.00 Mpt Radio Std: None KEYSIGHT Input RF Atten: 16 dB Preamp: Off Center Frequency 1.880000000 GHz Settings R L Align: Auto CF Step 40.000000 MHz 1 Metrics 2 Graph Auto Man Average Power 18.23 dBm Freq Offset 0 Hz 45.04 % at 0 dB 10.0 % 2.91 dB 1.0 % 4.78 dB 0.1 % 5.97 dB 0.01 % 6.70 dB 0.001 % 7.22 dB 0.0001 % 7.50 dB 7.58 dB Peak 25.81 dBm Local 0.00 dB Info BW 40.000 MHz 20.00 dB

40 M_PAR_Mid_256QAM_FullRB

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5 M_OBW_Mid_BPSK_FullRB



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Local



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pectrum Analyzer 1 ccupied BW ø Frequency Center Freq. 1.880000000 GHz Avg|Hold: 500/500 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF Atten: 16 dB Preamp: Off Settings RL Coupling: CAlign: Auto 1.880000000 GHz 1 Graph Ref LvI Offset 27.32 dB Ref Value 40.00 dBm 10.000 MHz Scale/Div 10.0 dB CF Step 1.000000 MHz Auto Man Freq Offset 0 Hz Center 1.880000 GHz #Res BW 100.00 kHz Span 10 MHz Sweep 16.7 ms (1001 pts) #Video BW 390.00 kHz 2 Metrics Occupied Bandwidth 4.5352 MHz Total Power 30.8 dBm % of OBW Power x dB Transmit Freq Error x dB Bandwidth -829 Hz 5.389 MHz 99.00 % -26.00 dB

III 🐺

5 M_OBW_Mid_QPSK_FullRB

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5 M_OBW_Mid_16QAM_FullRB pectrum Analyzer 1 ccupied BW ø Frequency Center Freq. 1.880000000 GHz Avg|Hold: 500/500 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF Atten: 16 dB Preamp: Off Settings RL Coupling: CAlign: Auto 1.880000000 GHz 1 Graph Ref LvI Offset 27.32 dB Ref Value 40.00 dBm 10.000 MHz Scale/Div 10.0 dB CF Step 1.000000 MHz Auto Man Freq Offset 0 Hz Center 1.880000 GHz #Res BW 100.00 kHz Span 10 MHz Sweep 16.7 ms (1001 pts) #Video BW 390.00 kHz 2 Metrics Occupied Bandwidth 4,5447 MHz Total Power 29.9 dBm % of OBW Power x dB -10.471 kHz 5.387 MHz Transmit Freq Error x dB Bandwidth 99.00 % -26.00 dB Local

III 🐺

? Jun 10, 2024

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pectrum Analyzer 1 ccupied BW ø Frequency Center Freq. 1.880000000 GHz Avg|Hold: 500/500 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF Atten: 16 dB Preamp: Off Settings RL Coupling: CAlign: Auto 1.880000000 GHz 1 Graph Ref LvI Offset 27.32 dB Ref Value 40.00 dBm 10.000 MHz Scale/Div 10.0 dB CF Step 1.000000 MHz Auto Man Freq Offset 0 Hz Center 1.880000 GHz #Res BW 100.00 kHz Span 10 MHz Sweep 16.7 ms (1001 pts) #Video BW 390.00 kHz 2 Metrics Occupied Bandwidth 4.5292 MHz Total Power 29.3 dBm % of OBW Power x dB Transmit Freq Error x dB Bandwidth -7.212 kHz 5.318 MHz 99.00 % -26.00 dB Local III 🐺

5 M_OBW_Mid_64QAM_FullRB

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pectrum Analyzer 1 ccupied BW ø Frequency Center Freq. 1.880000000 GHz Avg|Hold: 500/500 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF Atten: 16 dB Preamp: Off Settings RL Coupling: CAlign: Auto 1.880000000 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 1.880000 GHz #Res BW 100.00 kHz Span 10 MHz Sweep 16.7 ms (1001 pts) #Video BW 390.00 kHz 2 Metrics Occupied Bandwidth 4.5262 MHz Total Power 26.8 dBm % of OBW Power x dB Transmit Freq Error x dB Bandwidth 6.088 kHz 5.341 MHz 99.00 % -26.00 dB Local

III 🐺

5 M_OBW_Mid_256QAM_FullRB

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Local



Occupied Bandwidth 8.9912 MHz

-181.52 kHz 9.850 MHz

Transmit Freq Error x dB Bandwidth

pectrum Analyzer 1 ccupied BW ø Frequency Center Freq. 1.880000000 GHz Avg|Hold: 500/500 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF Atten: 16 dB Preamp: Off Settings RL Coupling: CAlign: Auto 1.880000000 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 1.88000 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

30.4 dBm

99.00 % -26.00 dB

III 🐺

10 M_OBW_Mid_BPSK_FullRB

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10 M_OBW_Mid_QPSK_FullRB pectrum Analyzer 1 ccupied BW ø Frequency Center Freq. 1.880000000 GHz Avg|Hold: 500/500 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF Atten: 16 dB Preamp: Off Settings RL Coupling: CAlign: Auto 1.880000000 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 1.88000 GHz #Res BW 200.00 kHz Span 20 MHz Sweep 1.00 ms (1001 pts) #Video BW 820.00 kHz 2 Metrics Occupied Bandwidth 8.9999 MHz Total Power 30.1 dBm % of OBW Power x dB Transmit Freq Error x dB Bandwidth -179.33 kHz 9.869 MHz 99.00 % -26.00 dB Local III 🐺

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pectrum Analyzer 1 ccupied BW ø Frequency Center Freq. 1.880000000 GHz Avg|Hold: 500/500 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF Atten: 16 dB Preamp: Off Settings RL Coupling: CAlign: Auto 1.880000000 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 1.88000 GHz #Res BW 200.00 kHz Span 20 MHz Sweep 1.00 ms (1001 pts) #Video BW 820.00 kHz 2 Metrics Occupied Bandwidth 8,9926 MHz Total Power 29.1 dBm % of OBW Power x dB Transmit Freq Error x dB Bandwidth -183.25 kHz 9.995 MHz 99.00 % -26.00 dB Local

III 🐺

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10 M_OBW_Mid_16QAM_FullRB

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