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5 M_Band Edge(2315MHz-2320MHz)_Mid_BPSK_1RB

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5 M_Band Edge(2320MHz-2324MHz)_Mid_BPSK_1RB

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5 M_Band Edge(2324MHz-2328MHz)_Mid_BPSK_1RB

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5 M_Band Edge(2328MHz-2337MHz)_Mid_BPSK_1RB

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5 M_Band Edge(2337MHz-2341MHz)_Mid_BPSK_1RB

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5 M_Band Edge(2345MHz-2365MHz)_Mid_BPSK_1RB

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5 M_Band Edge(2365MHz-2400MHz)_Mid_BPSK_1RB

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5 M_Band Edge(2280MHz-2288MHz)_Mid_BPSK_FullRB

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ø Frequency #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive #Atten: 10 dB Preamp: Off PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input RF Center Frequency Settings Align: Auto 2.290000000 GHz AAAAAA ĻΧI Mkr1 2.291 996 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 0.00 dBm 4.00000000 MHz -59.437 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.288000000 GHz Stop Freq 2.292000000 GHz AUTO TUNE 400.000 kHz Auto Man Freq Offset 0 Hz Local X Axis Scale Start 2.288000 GHz #Res BW 1.0 MHz Stop 2.292000 GHz #Sweep ~1.01 s (1001 pts) #Video BW 3.0 MHz Log Lin ? Jun 03, 2024 III 🐺

5 M_Band Edge(2288MHz-2292MHz)_Mid_BPSK_FullRB

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ø Frequency #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input RF #Atten: 10 dB Preamp: Off Center Frequency Settings Align: Auto 2.294000000 GHz AAAAAA ĻΧI Mkr1 2.295 976 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 0.00 dBm 4.00000000 MHz -48.047 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.292000000 GHz Stop Freq 2.296000000 GHz AUTO TUNE CF Step 400.000 kHz Auto Man Freq Offset 0 Hz Local X Axis Scale Start 2.292000 GHz #Res BW 1.0 MHz Stop 2.296000 GHz #Sweep ~1.01 s (1001 pts) #Video BW 3.0 MHz Log Lin

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5 M_Band Edge(2292MHz-2296MHz)_Mid_BPSK_FullRB

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5 M_Band Edge(2296MHz-2300MHz)_Mid_BPSK_FullRB

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5 M_Band Edge(2300MHz-2305MHz)_Mid_BPSK_FullRB ø Frequency #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive #Atten: 10 dB Preamp: Off PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input RF Center Frequency Settings Align: Auto 2.302500000 GHz AAAAAA ĻΧI Mkr1 2.304 975 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 0.00 dBm 5.00000000 MHz -26.301 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.300000000 GHz Stop Freq 2.305000000 GHz AUTO TUNE 500.000 kHz Auto Man Freq Offset 0 Hz Local X Axis Scale Start 2.300000 GHz #Res BW 1.0 MHz Stop 2.305000 GHz #Sweep ~1.01 s (1001 pts) #Video BW 3.0 MHz Log Lin

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ø Frequency #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input RF #Atten: 10 dB Preamp: Off Center Frequency Settings Align: Auto 2.317500000 GHz AAAAAA ĻΧI Mkr1 2.315 025 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 0.00 dBm 5.00000000 MHz -28.340 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.315000000 GHz Stop Freq 2.320000000 GHz AUTO TUNE 500.000 kHz Auto Man Freq Offset 0 Hz Local X Axis Scale Start 2.315000 GHz #Res BW 1.0 MHz Stop 2.320000 GHz #Sweep ~1.01 s (1001 pts) #Video BW 3.0 MHz Log Lin

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5 M_Band Edge(2315MHz-2320MHz)_Mid_BPSK_FullRB

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5 M_Band Edge(2320MHz-2324MHz)_Mid_BPSK_FullRB

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5 M_Band Edge(2324MHz-2328MHz)_Mid_BPSK_FullRB ø Frequency #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input RF #Atten: 10 dB Preamp: Off Center Frequency Settings Align: Auto 2.326000000 GHz AAAAAA ĻΧI Mkr1 2.324 008 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 0.00 dBm 4.00000000 MHz -47.709 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.324000000 GHz Stop Freq 2.328000000 GHz AUTO TUNE 400.000 kHz Auto Man Freq Offset 0 Hz Local X Axis Scale Start 2.324000 GHz #Res BW 1.0 MHz Stop 2.328000 GHz #Sweep ~1.01 s (1001 pts) #Video BW 3.0 MHz Log Lin

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ø Frequency #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive #Atten: 10 dB Preamp: Off PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input RF Center Frequency Settings Align: Auto 2.332500000 GHz AAAAAA ĻΧI Mkr1 2.328 000 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 0.00 dBm 9.00000000 MHz -56.621 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.328000000 GHz Stop Freq 2.337000000 GHz AUTO TUNE 1 900.000 kHz Auto Man Freq Offset 0 Hz Local X Axis Scale Start 2.328000 GHz #Res BW 1.0 MHz Stop 2.337000 GHz #Sweep ~1.01 s (1001 pts) #Video BW 3.0 MHz Log Lin

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5 M_Band Edge(2328MHz-2337MHz)_Mid_BPSK_FullRB

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5 M_Band Edge(2337MHz-2341MHz)_Mid_BPSK_FullRB

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5 M_Band Edge(2341MHz-2345MHz)_Mid_BPSK_FullRB

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ø Frequency #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive #Atten: 10 dB Preamp: Off PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input RF Center Frequency Settings Align: Auto 2.355000000 GHz AAAAAA ĻΧI Mkr1 2.354 04 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 0.00 dBm 20.0000000 MHz -64.464 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.345000000 GHz Stop Freq 2.365000000 GHz AUTO TUNE **1** CF Step 2.000000 MHz Auto Man Freq Offset 0 Hz Local X Axis Scale Start 2.34500 GHz #Res BW 1.0 MHz Stop 2.36500 GHz #Sweep 1.00 s (1001 pts) #Video BW 3.0 MHz Log Lin

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5 M_Band Edge(2345MHz-2365MHz)_Mid_BPSK_FullRB

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5 M_Band Edge(2365MHz-2400MHz)_Mid_BPSK_FullRB

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5 M_Band Edge(2280MHz-2288MHz)_High_BPSK_1RB

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5 M_Band Edge(2288MHz-2292MHz)_High_BPSK_1RB

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5 M_Band Edge(2292MHz-2296MHz)_High_BPSK_1RB

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5 M_Band Edge(2296MHz-2300MHz)_High_BPSK_1RB

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ø Frequency #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive #Atten: 10 dB Preamp: Off PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input RF Center Frequency Settings Align: Auto 2.302500000 GHz AAAAAA ĻΧI Mkr1 2.304 995 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 0.00 dBm 5.00000000 MHz -39.163 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.300000000 GHz Stop Freq 2.305000000 GHz AUTO TUNE 500.000 kHz Auto Man Freq Offset 0 Hz Local X Axis Scale Start 2.300000 GHz #Res BW 1.0 MHz Stop 2.305000 GHz #Sweep ~1.01 s (1001 pts) #Video BW 3.0 MHz Log Lin

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5 M_Band Edge(2300MHz-2305MHz)_High_BPSK_1RB

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ø Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input RF #Atten: 10 dB Preamp: Off Center Frequency Settings Align: Auto 2.315500000 GHz AAAAAA ĻΧI Mkr1 2.315 001 GHz 1 Spectrum 1.00000000 MHz Ref LvI Offset 27.16 dB Ref Level 0.00 dBm -27.751 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.315000000 GHz Stop Freq 2.316000000 GHz AUTO TUNE 100.000 kHz Auto Man Freq Offset 0 Hz Local X Axis Scale Start 2.3150000 GHz #Res BW 51 kHz Stop 2.3160000 GHz #Sweep 1.00 s (1001 pts) #Video BW 200 kHz Log Lin

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5 M_Band Edge(2315MHz-2316MHz)_High_BPSK_1RB

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5 M_Band Edge(2316MHz-2320MHz)_High_BPSK_1RB

Note: We used a narrower RBW in order to increase accuracy.

Calculation = Reading Value + $10 \times \log(1 \text{ MHz}/100 \text{ kHz})$ dB = -40.351 dBm + 10 dB = -30.351 dBm

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ø Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input RF #Atten: 10 dB Preamp: Off Center Frequency Settings Align: Auto 2.326000000 GHz AAAAAA ĻΧI Mkr1 2.324 016 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 0.00 dBm 4.00000000 MHz -44.874 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.324000000 GHz Stop Freq 2.328000000 GHz AUTO TUNE 400.000 kHz Auto Man Freq Offset 0 Hz Local X Axis Scale Start 2.324000 GHz #Res BW 1.0 MHz Stop 2.328000 GHz #Sweep ~1.01 s (1001 pts) #Video BW 3.0 MHz Log Lin

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5 M_Band Edge(2324MHz-2328MHz)_High_BPSK_1RB

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5 M_Band Edge(2328MHz-2337MHz)_High_BPSK_1RB ø Frequency #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input RF #Atten: 10 dB Preamp: Off Center Frequency Settings Align: Auto 2.332500000 GHz AAAAAA ĻΧI Mkr1 2.328 000 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 0.00 dBm 9.00000000 MHz -52.988 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.328000000 GHz Stop Freq 2.337000000 GHz DL1 -37.00 dB -50.0 AUTO TUNE 900.000 kHz Auto Man Freq Offset 0 Hz Local X Axis Scale Start 2.328000 GHz #Res BW 1.0 MHz Stop 2.337000 GHz #Sweep ~1.01 s (1001 pts) #Video BW 3.0 MHz Log Lin

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ø Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input RF #Atten: 10 dB Preamp: Off Center Frequency Settings Align: Auto 2.339000000 GHz AAAAAA ĻΧI Mkr1 2.337 384 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 0.00 dBm 4.00000000 MHz -65.618 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.337000000 GHz Stop Freq 2.341000000 GHz AUTO TUNE 400.000 kHz Auto Man Freq Offset 0 Hz Local X Axis Scale Start 2.337000 GHz #Res BW 1.0 MHz Stop 2.341000 GHz #Sweep ~1.01 s (1001 pts) #Video BW 3.0 MHz Log Lin

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5 M_Band Edge(2337MHz-2341MHz)_High_BPSK_1RB

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5 M_Band Edge(2341MHz-2345MHz)_High_BPSK_1RB

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5 M_Band Edge(2345MHz-2365MHz)_High_BPSK_1RB

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5 M_Band Edge(2365MHz-2400MHz)_High_BPSK_1RB

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ø Frequency #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input RF #Atten: 10 dB Preamp: Off Center Frequency Settings Align: Auto 2.284000000 GHz AAAAAA ĻΧI Mkr1 2.287 640 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 0.00 dBm 8.00000000 MHz -66.044 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.280000000 GHz Stop Freq 2.288000000 GHz DL1-40.00 dB AUTO TUNE 800.000 kHz Auto Man Freq Offset 0 Hz Local X Axis Scale Start 2.280000 GHz #Res BW 1.0 MHz Stop 2.288000 GHz #Sweep ~1.01 s (1001 pts) #Video BW 3.0 MHz Log Lin ? Jun 03, 2024

5 M_Band Edge(2280MHz-2288MHz)_High_BPSK_FullRB

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ø Frequency #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input RF #Atten: 10 dB Preamp: Off Center Frequency Settings Align: Auto 2.290000000 GHz AAAAAA ĻΧI Mkr1 2.291 972 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 0.00 dBm 4.00000000 MHz -62.330 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.288000000 GHz Stop Freq 2.292000000 GHz DL1 -37.00 dB AUTO TUNE 400.000 kHz Auto Man Freq Offset 0 Hz Local X Axis Scale Start 2.288000 GHz #Res BW 1.0 MHz Stop 2.292000 GHz #Sweep ~1.01 s (1001 pts) #Video BW 3.0 MHz Log Lin

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5 M_Band Edge(2288MHz-2292MHz)_High_BPSK_FullRB

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5 M_Band Edge(2292MHz-2296MHz)_High_BPSK_FullRB

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5 M_Band Edge(2296MHz-2300MHz)_High_BPSK_FullRB

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5 M_Band Edge(2300MHz-2305MHz)_High_BPSK_FullRB ø Frequency #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input RF #Atten: 10 dB Preamp: Off Center Frequency Settings Align: Auto 2.302500000 GHz AAAAAA ĻΧI Mkr1 2.305 000 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 0.00 dBm 5.00000000 MHz -36.813 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.300000000 GHz Stop Freq 2.305000000 GHz AUTO TUNE 500.000 kHz Auto Man Freq Offset 0 Hz Local X Axis Scale Start 2.300000 GHz #Res BW 1.0 MHz Stop 2.305000 GHz #Sweep ~1.01 s (1001 pts) #Video BW 3.0 MHz Log Lin

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ø Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input RF #Atten: 10 dB Preamp: Off Center Frequency Settings Align: Auto 2.315500000 GHz AAAAAA ĻΧI Mkr1 2.315 004 GHz 1 Spectrum 1.00000000 MHz Ref LvI Offset 27.16 dB Ref Level 0.00 dBm -24.619 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.315000000 GHz Stop Freq 2.316000000 GHz AUTO TUNE 100.000 kHz Auto Man Freq Offset 0 Hz Local X Axis Scale Start 2.3150000 GHz #Res BW 51 kHz Stop 2.3160000 GHz #Sweep 1.00 s (1001 pts) #Video BW 200 kHz Log Lin

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5 M_Band Edge(2315MHz-2316MHz)_High_BPSK_FullRB

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5 M_Band Edge(2316MHz-2320MHz)_High_BPSK_FullRB

Note: We used a narrower RBW in order to increase accuracy.

Calculation = Reading Value + $10 \times \log(1 \text{ MHz}/100 \text{ kHz})$ dB = -38.024 dBm + 10 dB = -28.024 dBm

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5 M_Band Edge(2320MHz-2324MHz)_High_BPSK_FullRB

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5 M_Band Edge(2324MHz-2328MHz)_High_BPSK_FullRB ø Frequency #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input RF #Atten: 10 dB Preamp: Off Center Frequency Settings Align: Auto 2.326000000 GHz AAAAAA ĻΧI Mkr1 2.324 024 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 0.00 dBm 4.00000000 MHz -44.875 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.324000000 GHz Stop Freq 2.328000000 GHz AUTO TUNE 400.000 kHz Auto Man Freq Offset 0 Hz Local X Axis Scale Start 2.324000 GHz #Res BW 1.0 MHz Stop 2.328000 GHz #Sweep ~1.01 s (1001 pts) #Video BW 3.0 MHz Log Lin

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ø Frequency #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input RF #Atten: 10 dB Preamp: Off Center Frequency Settings Align: Auto 2.332500000 GHz AAAAAA ĻΧI Mkr1 2.328 018 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 0.00 dBm 9.00000000 MHz -53.502 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.328000000 GHz Stop Freq 2.337000000 GHz AUTO TUNE 900.000 kHz Auto Man Freq Offset 0 Hz Local X Axis Scale Start 2.328000 GHz #Res BW 1.0 MHz Stop 2.337000 GHz #Sweep ~1.01 s (1001 pts) #Video BW 3.0 MHz Log Lin

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5 M_Band Edge(2328MHz-2337MHz)_High_BPSK_FullRB

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ø Frequency #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input RF #Atten: 10 dB Preamp: Off Center Frequency Settings Align: Auto 2.339000000 GHz AAAAAA ĻΧI Mkr1 2.337 220 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 0.00 dBm 4.00000000 MHz -65.553 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.337000000 GHz Stop Freq 2.341000000 GHz AUTO TUNE **V**1 400.000 kHz Auto Man Freq Offset 0 Hz Local X Axis Scale Start 2.337000 GHz #Res BW 1.0 MHz Stop 2.341000 GHz #Sweep ~1.01 s (1001 pts) #Video BW 3.0 MHz Log Lin

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5 M_Band Edge(2337MHz-2341MHz)_High_BPSK_FullRB

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ø Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input RF #Atten: 10 dB Preamp: Off Center Frequency Settings Align: Auto 2.343000000 GHz AAAAAA ĻΧI Mkr1 2.342 948 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 0.00 dBm 4.00000000 MHz -65.623 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.341000000 GHz Stop Freq 2.345000000 GHz AUTO TUNE 400.000 kHz Auto Man Freq Offset 0 Hz Local X Axis Scale Start 2.341000 GHz #Res BW 1.0 MHz Stop 2.345000 GHz #Sweep ~1.01 s (1001 pts) #Video BW 3.0 MHz Log Lin

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5 M_Band Edge(2341MHz-2345MHz)_High_BPSK_FullRB

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ø Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input RF #Atten: 10 dB Preamp: Off Center Frequency Settings Align: Auto 2.355000000 GHz AAAAAA ĻΧI Mkr1 2.355 80 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 0.00 dBm 20.0000000 MHz -64.733 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.345000000 GHz Stop Freq 2.365000000 GHz AUTO TUNE **1**1-CF Step 2.000000 MHz Auto Man Freq Offset 0 Hz Local X Axis Scale Start 2.34500 GHz #Res BW 1.0 MHz Stop 2.36500 GHz #Sweep 1.00 s (1001 pts) #Video BW 3.0 MHz Log Lin

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5 M_Band Edge(2345MHz-2365MHz)_High_BPSK_FullRB

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ø Frequency #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input RF #Atten: 10 dB Preamp: Off Center Frequency Settings Align: Auto 2.382500000 GHz AAAAAA ĻΧI Mkr1 2.382 710 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 0.00 dBm 35.0000000 MHz -65.798 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.365000000 GHz Stop Freq 2.400000000 GHz DL1-40.00 dB AUTO TUNE CF Step 3.500000 MHz Auto Man Freq Offset 0 Hz Local X Axis Scale Start 2.36500 GHz #Res BW 1.0 MHz Stop 2.40000 GHz #Sweep 1.00 s (1001 pts) #Video BW 3.0 MHz Log Lin

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5 M_Band Edge(2365MHz-2400MHz)_High_BPSK_FullRB

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10 M_Band Edge(2280MHz-2288MHz)_Mid_BPSK_1RB ø Frequency #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input RF #Atten: 10 dB Preamp: Off Center Frequency Settings Align: Auto 2.284000000 GHz AAAAAA ĻΧI Mkr1 2.287 208 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 0.00 dBm 8.00000000 MHz -65.773 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.280000000 GHz Stop Freq 2.288000000 GHz DL1-40.00 dB AUTO TUNE 1 800.000 kHz Auto Man Freq Offset 0 Hz Local X Axis Scale Start 2.280000 GHz #Res BW 1.0 MHz Stop 2.288000 GHz #Sweep ~1.01 s (1001 pts) #Video BW 3.0 MHz Log Lin

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ø Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive 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: 10 dB Preamp: Off Center Frequency Settings Align: Auto 2.290000000 GHz AAAAAA ĻΧI Mkr1 2.291 952 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 0.00 dBm 4.00000000 MHz -59.488 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.288000000 GHz Stop Freq 2.292000000 GHz AUTO TUNE 400.000 kHz Auto Man Freq Offset 0 Hz Local X Axis Scale Start 2.288000 GHz #Res BW 1.0 MHz Stop 2.292000 GHz #Sweep ~1.01 s (1001 pts) #Video BW 3.0 MHz Log Lin

III 🐺

? Jun 03, 2024 4:06:57 PM

10 M_Band Edge(2288MHz-2292MHz)_Mid_BPSK_1RB

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ø Frequency #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input RF #Atten: 10 dB Preamp: Off Center Frequency Settings Align: Auto 2.294000000 GHz AAAAAA ĻΧI Mkr1 2.296 000 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 0.00 dBm 4.00000000 MHz -47.410 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.292000000 GHz Stop Freq 2.296000000 GHz AUTO TUNE CF Step 400.000 kHz Auto Man Freq Offset 0 Hz Local X Axis Scale Start 2.292000 GHz #Res BW 1.0 MHz Stop 2.296000 GHz #Sweep ~1.01 s (1001 pts) #Video BW 3.0 MHz Log Lin

III 🐺

? Jun 03, 2024 4:07:14 PM

10 M_Band Edge(2292MHz-2296MHz)_Mid_BPSK_1RB

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ø Frequency #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input RF #Atten: 10 dB Preamp: Off Center Frequency Settings Align: Auto 2.298000000 GHz AAAAAA ĻΧI Mkr1 2.299 996 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 0.00 dBm 4.00000000 MHz -38.178 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.296000000 GHz Stop Freq 2.300000000 GHz AUTO TUNE 400.000 kHz Auto Man Freq Offset 0 Hz Local X Axis Scale Start 2.296000 GHz #Res BW 1.0 MHz Stop 2.300000 GHz #Sweep ~1.01 s (1001 pts) #Video BW 3.0 MHz Log Lin

? Jun 03, 2024 4:07:31 PM

10 M_Band Edge(2296MHz-2300MHz)_Mid_BPSK_1RB

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10 M_Band Edge(2300MHz-2304MHz)_Mid_BPSK_1RB

Note: We used a narrower RBW in order to increase accuracy.

Calculation = Reading Value + $10 \times \log(1 \text{ MHz}/100 \text{ kHz})$ dB = -36.165 dBm + 10 dB = -26.165 dBm

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10 M_Band Edge(2304MHz-2305MHz)_Mid_BPSK_1RB

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ø Frequency #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input RF #Atten: 10 dB Preamp: Off Center Frequency Settings Align: Auto 2.315500000 GHz AAAAAA ĻΧI Mkr1 2.315 001 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 0.00 dBm 1.00000000 MHz -32.308 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.315000000 GHz 30.0 Stop Freq 2.316000000 GHz AUTO TUNE 100.000 kHz Auto Man Freq Offset 0 Hz Local X Axis Scale Start 2.3150000 GHz #Res BW 100 kHz Stop 2.3160000 GHz #Sweep 1.00 s (1001 pts) #Video BW 390 kHz Log Lin

? Jun 03, 2024 4:08:25 PM

10 M_Band Edge(2315MHz-2316MHz)_Mid_BPSK_1RB

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10 M_Band Edge(2316MHz-2320MHz)_Mid_BPSK_1RB

Note: We used a narrower RBW in order to increase accuracy.

? Jun 03, 2024 4:08:42 PM

Calculation = Reading Value + $10 \times \log(1 \text{ MHz}/100 \text{ kHz})$ dB = -36.346 dBm + 10 dB = -26.346 dBm

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10 M_Band Edge(2320MHz-2324MHz)_Mid_BPSK_1RB

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X Axis Scale

Log Lin

Stop 2.328000 GHz #Sweep ~1.01 s (1001 pts)

III 🐺



Start 2.324000 GHz #Res BW 1.0 MHz

ø Frequency #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input RF #Atten: 10 dB Preamp: Off Center Frequency Settings Align: Auto 2.326000000 GHz AAAAAA ĻΧI Mkr1 2.324 004 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 0.00 dBm 4.00000000 MHz -47.174 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.324000000 GHz Stop Freq 2.328000000 GHz AUTO TUNE 400.000 kHz Auto Man Freq Offset 0 Hz

#Video BW 3.0 MHz

? Jun 03, 2024 4:09:15 PM

10 M_Band Edge(2324MHz-2328MHz)_Mid_BPSK_1RB

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X Axis Scale

Log Lin

Stop 2.337000 GHz #Sweep ~1.01 s (1001 pts)

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Start 2.328000 GHz #Res BW 1.0 MHz

ø Frequency #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input RF #Atten: 10 dB Preamp: Off Center Frequency Settings Align: Auto 2.332500000 GHz AAAAAA ĻΧI Mkr1 2.328 018 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 0.00 dBm 9.00000000 MHz -56.453 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.328000000 GHz Stop Freq 2.337000000 GHz DL1 -37.00 dB AUTO TUNE 900.000 kHz Auto Man Freq Offset 0 Hz

#Video BW 3.0 MHz

? Jun 03, 2024 4:09:32 PM

10 M_Band Edge(2328MHz-2337MHz)_Mid_BPSK_1RB

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AUTO TUNE

Local

400.000 kHz Auto Man Freq Offset 0 Hz

X Axis Scale

Log Lin

Stop 2.341000 GHz #Sweep ~1.01 s (1001 pts)

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Start 2.337000 GHz #Res BW 1.0 MHz

ø Frequency #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input RF #Atten: 10 dB Preamp: Off Center Frequency Settings Align: Auto 2.339000000 GHz AAAAAA Mkr1 2.339 736 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 0.00 dBm 4.00000000 MHz -65.534 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.337000000 GHz Stop Freq 2.341000000 GHz

#Video BW 3.0 MHz

? Jun 03, 2024 4:09:49 PM

10 M_Band Edge(2337MHz-2341MHz)_Mid_BPSK_1RB

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? Jun 03, 2024 4:10:06 PM

10 M_Band Edge(2341MHz-2345MHz)_Mid_BPSK_1RB

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Start 2.34500 GHz #Res BW 1.0 MHz

ø Frequency #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input RF #Atten: 10 dB Preamp: Off Center Frequency Settings Align: Auto 2.355000000 GHz AAAAAA ĻΧI Mkr1 2.354 42 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 0.00 dBm 20.0000000 MHz -64.334 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.345000000 GHz Stop Freq 2.365000000 GHz AUTO TUNE CF Step 2.000000 MHz Auto Man Freq Offset 0 Hz Local X Axis Scale

#Video BW 3.0 MHz

? Jun 03, 2024 4:10:22 PM Stop 2.36500 GHz #Sweep 1.00 s (1001 pts)

Log Lin

10 M_Band Edge(2345MHz-2365MHz)_Mid_BPSK_1RB

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X Axis Scale

Log Lin

Stop 2.40000 GHz #Sweep 1.00 s (1001 pts)



Start 2.36500 GHz #Res BW 1.0 MHz

ø Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive 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: 10 dB Preamp: Off Center Frequency Settings Align: Auto 2.382500000 GHz AAAAAA ĻΧI Mkr1 2.369 550 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 0.00 dBm 35.0000000 MHz -65.546 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.365000000 GHz Stop Freq 2.400000000 GHz DL1-40.00 dB AUTO TUNE CF Step **1** 3.500000 MHz Auto Man Freq Offset 0 Hz

#Video BW 3.0 MHz

? Jun 03, 2024 4:10:40 PM

10 M_Band Edge(2365MHz-2400MHz)_Mid_BPSK_1RB

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X Axis Scale

Log Lin

Stop 2.288000 GHz #Sweep ~1.01 s (1001 pts)

III 🐺



Start 2.280000 GHz #Res BW 1.0 MHz

ø Frequency #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive #Atten: 10 dB Preamp: Off PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input RF Center Frequency Settings Align: Auto 2.284000000 GHz AAAAAA ĻΧI Mkr1 2.287 984 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 0.00 dBm 8.00000000 MHz -59.374 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.280000000 GHz Stop Freq 2.288000000 GHz DL1-40.00 dB AUTO TUNE 800.000 kHz Auto Man Freq Offset 0 Hz

#Video BW 3.0 MHz

? Jun 03, 2024 4:02:21 PM

10 M_Band Edge(2280MHz-2288MHz)_Mid_BPSK_FullRB

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X Axis Scale

Log Lin

Stop 2.292000 GHz #Sweep ~1.01 s (1001 pts)

III 🐺



Start 2.288000 GHz #Res BW 1.0 MHz

ø Frequency #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive #Atten: 10 dB Preamp: Off PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input RF Center Frequency Settings Align: Auto 2.290000000 GHz AAAAAA ĻΧI Mkr1 2.292 000 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 0.00 dBm 4.00000000 MHz -45.943 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.288000000 GHz Stop Freq 2.292000000 GHz DL1-37.00 dB AUTO TUNE 400.000 kHz Auto Man Freq Offset 0 Hz

#Video BW 3.0 MHz

? Jun 03, 2024 4:02:38 PM

10 M_Band Edge(2288MHz-2292MHz)_Mid_BPSK_FullRB

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X Axis Scale

Log Lin

Stop 2.296000 GHz #Sweep ~1.01 s (1001 pts)

III 🐺



Start 2.292000 GHz #Res BW 1.0 MHz

ø Frequency #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive #Atten: 10 dB Preamp: Off PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input RF Center Frequency Settings Align: Auto 2.294000000 GHz AAAAAA ĻΧI Mkr1 2.296 000 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 0.00 dBm 4.00000000 MHz -33.730 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.292000000 GHz 011-31.00 c 1 Stop Freq 2.296000000 GHz AUTO TUNE 400.000 kHz Auto Man Freq Offset 0 Hz

#Video BW 3.0 MHz

? Jun 03, 2024 4:02:54 PM

10 M_Band Edge(2292MHz-2296MHz)_Mid_BPSK_FullRB

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ø Frequency #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive #Atten: 10 dB Preamp: Off PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input RF Center Frequency Settings Align: Auto 2.298000000 GHz AAAAAA ĻΧI Mkr1 2.299 508 GHz 1 Spectrum Ref LvI Offset 27.16 dB Ref Level 0.00 dBm 4.00000000 MHz -28.102 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 2.296000000 GHz Stop Freq 2.300000000 GHz AUTO TUNE 400.000 kHz Auto Man Freq Offset 0 Hz Local X Axis Scale Start 2.296000 GHz #Res BW 1.0 MHz Stop 2.300000 GHz #Sweep ~1.01 s (1001 pts) #Video BW 3.0 MHz Log Lin

III 🐺

? Jun 03, 2024 4:03:12 PM

10 M_Band Edge(2296MHz-2300MHz)_Mid_BPSK_FullRB

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