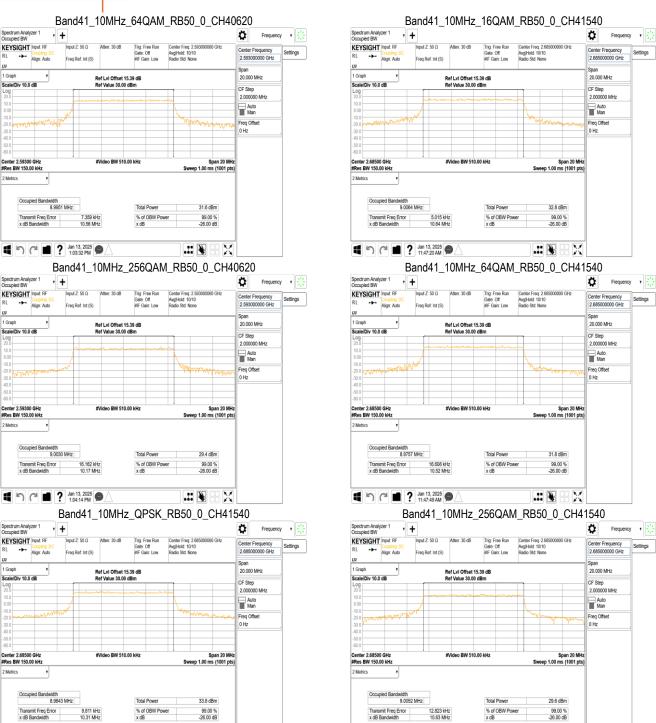


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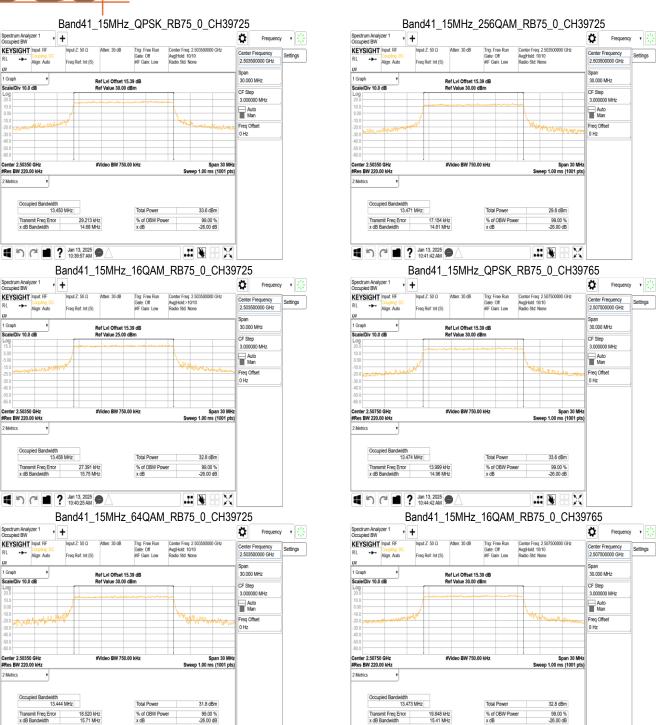
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1 5 C 1 ? Jan 13, 2025

■ 9 Jan 13, 2025 ■ 11:46:51 AM



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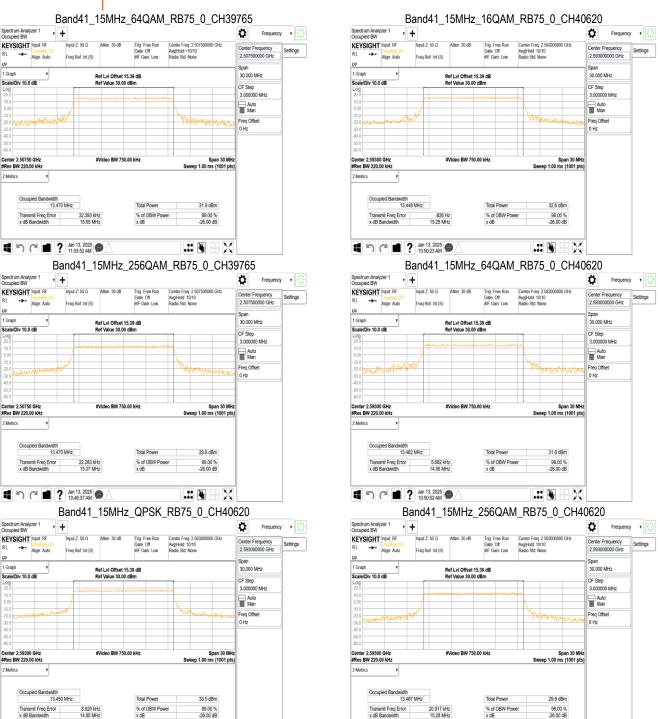
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■ 9 Jan 13, 2025 ■ 10:45:10 AM

■ 9 Jan 13, 2025 ■ 10:40:54 AM



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■ 9 A 13, 2025 ■ 10:51:51 AM

4 9 P 13, 2025 9



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■ 9 A 13, 2025 10:34:52 AM

■ 9 Jan 13, 2025 ■ 11:05:18 AM



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Band41_20MHz_16QAM_RB100_0_CH39790 Band41 20MHz 64QAM RB100 0 CH39750 Frequency v ٥ ٥ Trig: Free Run Gate: Off #IF Gain: Low Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input: RF out 7: 50 0 Atten: 30 dB KEYSIGHT Input: RF nut 7: 50 O Atten: 30 dB 2.510000000 GH Settings Settings 1 Graph 1 Graph Scale/Div 10.0 dB Coalo/Div 10 0 dB CF Step 4.000000 MHz Auto Man Auto Man Freq Offse 0 Hz Freq Offset 0 Hz Occupied Bandy 17.927 MHz 17.932 MHz Total Power 31.7 dBm Total Power 32.8 dBm Transmit Freq Error x dB Bandwidth Transmit Freq Error x dB Bandwidth % of OBW Power x dB % of OBW Power x dB 99.00 % -26.00 dB 4 5 C 2 2 Jan 13, 2025 10:34:09 AM 4 9 P 13, 2025 10:16:38 AM Band41 20MHz 256QAM RB100 0 CH39750 Band41 20MHz 64QAM RB100 0 CH39790 ♡ Ö KEYSIGHT Input: RF Trig: Free Run Gate: Off #IE Gain: Low KEYSIGHT Input: RF Atten: 30 dB Trig: Free Run Gate: Off #IF Gain: Low Center Frequency 2.506000000 GHz Settings Freq Ref: Int (S) Freq Ref: Int (S) 2.5100000 1 Graph 40 000 MH 1 Graph 40 000 MH: Scale/Div 10 0 dB Scale/Div 10 0 dB Auto Man Auto Man Freq Offse 0 Hz Freq Offset 0 Hz Occupied Bandwidth 17.906 MHz Occupied Bandwidth 17.938 MHz Total Power 29.7 dBm Total Power 31.6 dBm % of OBW Power x dB Transmit Freq Error Transmit Freq Error x dB Bandwidth % of OBW Power x dB 21.583 kHz 19.61 MHz 99.00 % -26.00 dB 4 5 C 1 ? Jan 13, 2025 4 9 6 1 ? Jan 13, 2025 9 Band41_20MHz_QPSK_RB100_0_CH39790 Band41_20MHz_256QAM_RB100_0_CH39790 Frequency • Frequency • Ö ٥ KEYSIGHT Input: RF KEYSIGHT Input: RF Input Z: 50 Q Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 2.510000000 GHz Input Z: 50 Q Atten: 30 dB Trig: Free Run Gate: Off #IF Gain: Low Center Freg: 2.510000000 GHz Center Frequency 2.510000000 GHz Settings Avg[Hold: 10/10 Radio Std: None Freq Ref: Int (S) Freg Ref: Int (S) 1 Graph 40 000 MHz 1 Graph 40 000 MHz Scale/Div 10.0 dR Scale/Div 10 0 dB Auto Man Auto Man Occupied Bandwidth 17.946 MHz Occupied Bandwidth 17.930 MHz Total Powe 33.9 dBm Total Power 29.9 dBm Transmit Freq Error % of OBW Power x dB Transmit Freq Error % of OBW Power x dB

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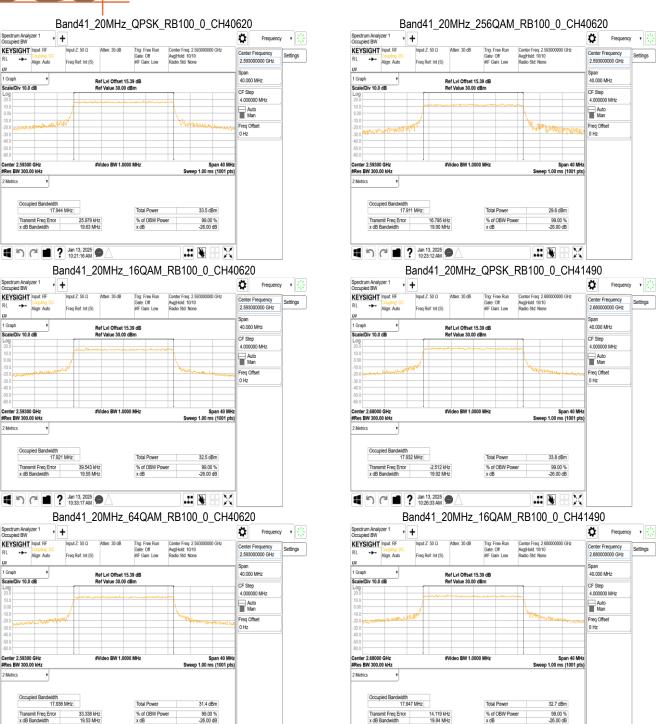
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■ 9 A 13, 2025 ■ 10:17:55 AM

■ 9 Jan 13, 2025 ■ 10:16:10 AM



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■ 9 P I I I I I Jan 13, 2025 ■ 10:27:02 AM

■ 9 Pan 13, 2025 ■ 10:22:14 AM



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Band42-Part27_5MHz_16QAM_RB25_0_CH42115 Band41 20MHz 64QAM RB100 0 CH41490 Spectrum Analyzer 1 Occupied BW Frequency v Ö Ö Trig: Free Run Gate: Off #IF Gain: Low Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input: RF out 7: 50 0 Atten: 30 dB KEYSIGHT Input: RF nut 7: 50 0 Atten: 30 dB Center Frequency 3.452500000 GHz Settings Settings 1 Graph 1 Graph Scale/Div 10.0 dB Coalo/Div 10 0 dB CF Step 750.000 kHz Auto Man Auto Man Freq Offset 0 Hz Freq Offset 0 Hz #Video BW 240.00 kHz Occupied Bandw Occupied Bandw 17.956 MHz 4.5033 MHz Total Power 31.7 dBm Total Power 29.7 dBm Transmit Freq Error x dB Bandwidth % of OBW Power x dB % of OBW Power x dB Transmit Freq Error x dB Bandwidth 173 Hz 5.106 MHz 99.00 % -26.00 dB 4 5 C 2 2 Jan 13, 2025 10:27:31 AM Feb 08, 2025 2:57:53 PM Band41 20MHz 256QAM RB100 0 CH41490 Band42-Part27 5MHz 64QAM RB25 0 CH42115 ♡ Frequency • ٥ Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input: RF Atten: 30 dB Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input: RF Input Z: 50 Q Atten: 30 dB Center Frequency 3.452500000 GHz Freq Ref: Int (S) Freq Ref: Int (S) 1 Graph 40 000 MH 1 Graph 7 5000 MHz Scale/Div 10 0 dB Scale/Div 10 0 dB Auto Man Auto Man Freq Offset 0 Hz #Video BW 240.00 kHz Occupied Bandwidth 17.812 MHz Occupied Bandwidth 4.5038 MHz Total Power 24.9 dBm Total Power 28.7 dBm Transmit Freq Error x dB Bandwide % of OBW Power x dR Transmit Freq Error % of OBW Power x dB 99.00 % -26.00 dB .# 🕦 H 💢 4 9 6 1 ? Jan 13, 2025 9 € 1 Peb 08, 2025 2:58:24 PM Band42-Part27_5MHz_QPSK_RB25_0_CH42115 Band42-Part27_5MHz_256QAM_RB25_0_CH42115 Frequency v ٥٥ ♡ KEYSIGHT Input: RF KEYSIGHT Input: RF Input Z: 50 \(\Omega\) Corr CCorr Freq Ref: Int (S) Input Z: 50 Ω Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 3.452500000 GHz Atten: 30 dB Freq Ref: Int (S) 3.452500000 G 1 Graph 7 5000 MHz 1 Graph 7 5000 MHz Ref Lvi Offset 15.68 dB Scale/Div 10.0 dR Scale/Div 10 0 dB Auto Man Auto Man Span 7.5 MHz Sweep 1.33 ms (1001 pts) Vleasure Trace Occupied Bandwidth 4.5093 MHz Occupied Bandwidth 4,5003 MHz Total Power 30.6 dBm Total Power 25.9 dBm % of OBW Power Transmit Freq Error % of OBW Power

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Transmit Freq Error x dB Bandwidth

Feb 10, 2025 11:09:52 AM

Local

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1 7 Peb 08, 2025 A Feb 08, 2025



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Band42-Part27 5MHz QPSK RB25 0 CH42590 Band42-Part27 5MHz 256QAM RB25 0 CH42590 Frequency v Frequency v Ö Trig: Free Run Gate: Off #IF Gain: Low Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input RF KEYSIGHT Input: RF out Z: 50 Ω Atten: 30 dB nout 7: 50 O Center Frequency 3.500000000 GHz Settings Settings Corr CCorr Freq Ref: Int (S) 1 Graph 1 Graph Scale/Div 10.0 dB Coalo/Div 10 0 dB CF Step 750.000 kHz CF Step 750.000 kHz Auto Man Auto Man Freq Offset 0 Hz Freq Offset 0 Hz #Video BW 240.00 kHz Span 7.5 MH #Video BW 240.00 kHz Span 7.5 MHz Sweep 1.33 ms (1001 pts) Occupied Bandwidth 4.5120 MHz Occupied Bandw 4.4795 MHz Total Power 30.4 dBm Total Power 25.6 dBm Transmit Freq Error x dB Bandwirth % of OBW Power x dB % of OBW Power x dB Transmit Freq Error x dB Bandwidth 99.00 % -26.00 dB Local Feb 08, 2025 2:59:44 PM € 10, 2025 nt:12:16 AM Band42-Part27_5MHz_16QAM_RB25_0_CH42590 Band42-Part27_5MHz_QPSK_RB25_0_CH43065 ٥ ٥ Trig: Free Run Gate: Off #IF Gain: Low Trig: Free Run Gate: Off Awg(Hold: 10/10 #IF Gain: Low Radio Std: None KEYSIGHT Input: RF Input Z: 50 Ω Atten: 30 dB KEYSIGHT Input: RF Input Z: 50 Q Atten: 30 dB Center Frequency 3.547500000 GHz Freq Ref: Int (S) Freq Ref: Int (S) 1 Graph 7 5000 MH 1 Graph 7 5000 MHz Scale/Div 10 0 dB Scale/Div 10 0 dB Auto Man Auto Man Freq Offse 0 Hz Freq Offset 0 Hz #Video BW 240.00 kHz #Video BW 240.00 kHz Occupied Bandwidth 4.5072 MHz Occupied Bandwidth 4.5088 MHz Total Power 29.5 dBm Total Power 30.3 dBm % of OBW Power x dB Transmit Freq Error Transmit Freq Error % of OBW Power x dB 99.00 % -26.00 dB .:: 🕦 🖁 💢 .:: 🕦 ::: X ■ Peb 08, 2025 3:00:14 PM ■ Peb 08, 2025 3:02:04 PM Band42-Part27_5MHz_64QAM_RB25_0_CH42590 Band42-Part27_5MHz_16QAM_RB25_0_CH43065 Frequency • Frequency v ≎ KEYSIGHT Input: RF KEYSIGHT Input: RF Input Z: 50 Q Atten: 30 dB Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 3.500000000 GHz Input Z: 50 Ω Atten: 30 dB Trig: Free Run Center Freq: 3.547500000 GHz Gate: Off Avg|Hold: 10/10 #IF Gain: Low Radio Std: None Center Frequency 3.547500000 GHz Freq Ref: Int (S) Freq Ref: Int (S) 1 Graph 7 5000 MHz 1 Graph 7 5000 MHz Ref LvI Offset 15.68 dB Ref Value 20.00 dBm Scale/Div 10.0 dB Scale/Div 10 0 dB Auto Man Auto Man Freq Offset 0 Hz Occupied Bandwidth 4.5061 MHz Occupied Bandwidth 4.5009 MHz Total Power 28.5 dBm Total Power 29.3 dBm Transmit Freq Error % of OBW Power x dB % of OBW Power Transmit Freq Error x dB Bandwidth

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■ 9 Peb 08, 2025 OA

1 7 Peb 08, 2025 A 3.05.07 PM



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Band42-Part27_5MHz_64QAM_RB25_0_CH43065 Band42-Part27 10MHz 16QAM RB50 0 CH42140 Frequency v Ö ٥ Trig: Free Run Gate: Off #IF Gain: Low Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input: RF put Z: 50 Ω Atten: 30 dB KEYSIGHT Input: RF nout 7: 50.0 Atten: 30 dB Center Frequency 3.455000000 GHz Settings Settings 1 Graph 1 Graph Scale/Div 10.0 dB Coalo/Div 10 0 dB CF Step 750.000 kHz CF Step 2.000000 MHz Auto Man Auto Man Freq Offset 0 Hz Freq Offset 0 Hz #Video BW 240.00 kHz Span 7.5 MH #Video BW 510.00 kHz Occupied Bandwidth 8,9992 MHz Occupied Bandw 4.5008 MHz Total Power 28.3 dBm Total Power 29.8 dBm Transmit Freq Error x dB Bandwidth % of OBW Power x dB Transmit Freq Error x dB Bandwidth % of OBW Power x dB 99.00 % -26.00 dB ■ ? Feb 08, 2025 3.03:04 PM ■ ? Feb 08, 2025 2:50:14 PM Band42-Part27 5MHz 256QAM RB25 0 CH43065 Band42-Part27_10MHz_64QAM_RB50_0_CH42140 • 🗘 ٥ Trig: Free Run Gate: Off #IF Gain: Low Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input: RF Input Z: 50 Q Atten: 30 dB KEYSIGHT Input: RF Input Z: 50 Q Atten: 30 dB Center Frequency 3.547500000 GHz Settings Corr CCorr Freq Ref: Int (S) 3.455000 Freq Ref: Int (S) 1 Graph 7 5000 MH 1 Graph 20 000 MHz Scale/Div 10.0 dB Scale/Div 10 0 dB Auto Man Auto Man Freq Offset 0 Hz #Video BW 240.00 kHz Span 7.5 MH #Video BW 510.00 kHz Aeasure Trace Occupied Bandwidth 4.4818 MHz Occupied Bandwidth 8.9776 MHz Total Power 25.6 dBm Total Power 28.8 dBm % of OBW Power x dB Transmit Freq Error Transmit Freq Error x dB Bandwirth % of OBW Power x dB 99.00 % -26.00 dB Local .:: 🕦 ::: X ■ ? Feb 10, 2025 pm ■ Peb 08, 2025 2:50:44 PM Band42-Part27_10MHz_QPSK_RB50_0_CH42140 Band42-Part27_10MHz_256QAM_RB50_0_CH42140 Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Frequency • Frequency v ♡ KEYSIGHT Input: RF Input Z: 50 Q Trig: Free Run Gate: Off #IF Gain: Low Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Atten: 30 dB Center Frequency 3.455000000 GHz Freq Ref: Int (S) 1 Graph 20 000 MHz 1 Graph 20 000 MHz Scale/Div 10.0 dR Scale/Div 10 0 dB Auto Man Auto Man Span 20 M Span 20 MHz Sweep 1.00 ms (1001 pts) Veasure Trace Trace 1 Occupied Bandwidth 9.0172 MHz Occupied Bandwidth 8,9549 MHz Total Power 30.7 dBm Total Power 26.0 dBm % of OBW Power Transmit Freq Error Transmit Freq Error x dB Bandwidth % of OBW Power

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1 9 Peb 08, 2025 2:49:43 PM

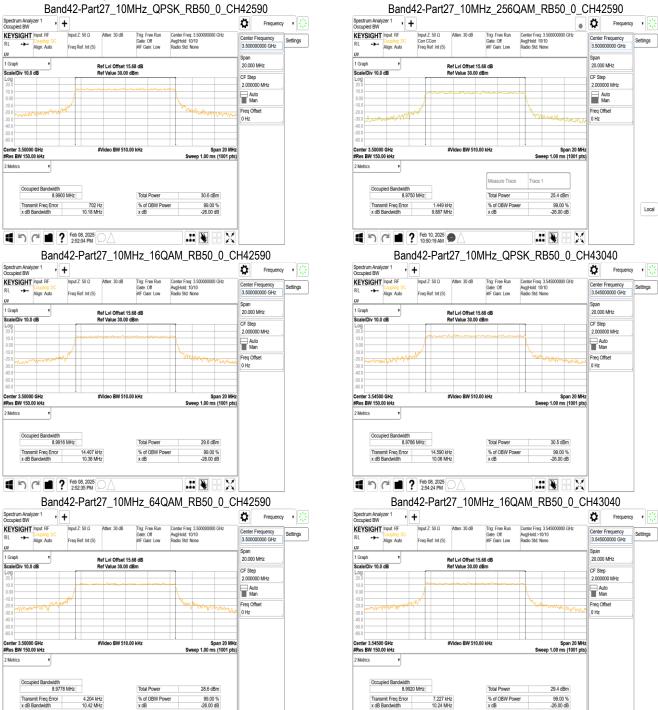
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Feb 10, 2025 10:52:55 AM

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■ 9 Peb 08, 2025 2:54:54 PM

1 7 Peb 08, 2025 2:53:05 PM



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Band42-Part27 10MHz 64QAM RB50 0 CH43040 Band42-Part27 15MHz 16QAM RB75 0 CH42165 Cocupied BW FRF Frequency v Frequency v Ö Trig: Free Run Gate: Off #IF Gain: Low Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input: RF nput Z: 50 Ω Atten: 30 dB Input 7: 50 0 Atten: 30 dB Center Frequency 3.457500000 GHz Settings Settings 1 Graph 1 Graph Scale/Div 10.0 dB Coalo/Div 10 0 dB Auto Man Auto Man Freq Offset 0 Hz Freq Offset 0 Hz #Video BW 510.00 kHz Span 20 M #Video BW 750.00 kHz Occupied Bandwidth 13.462 MHz Occupied Bandwidt 8.9700 MHz Total Power 28.5 dBm Total Power 29.6 dBm Transmit Freq Error Transmit Freq Error x dB Bandwidth % of OBW Power x dB % of OBW Power x dB 99.00 % -26.00 dB Feb 08, 2025 2:55:25 PM ■ ? Feb 08, 2025 p. 2:18:44 PM Band42-Part27 10MHz 256QAM RB50 0 CH43040 Band42-Part27_15MHz_64QAM_RB75_0_CH42165 Occupied BW Input: RF • 🗘 ٥ Trig: Free Run Gate: Off #IF Gain: Low Trig: Free Run Gate: Off #IF Gain: Low Input Z: 50 Q Atten: 30 dB KEYSIGHT Input: RF Input Z: 50 Q Atten: 30 dB 3.457500000 GHz Settings Corr CCorr Freq Ref: Int (S) Align: Auto Freq Ref: Int (S) 1 Graph 20 000 MHz 1 Graph 30 000 MHz Scale/Div 10 0 dB Scale/Div 10 0 dB Auto Man Auto Man #Video BW 510.00 kHz Span 20 Mi #Video BW 750.00 kHz Measure Trace Occupied Bandwidth 8,9668 MHz Occupied Bandwidth 13.462 MHz Total Power 25.5 dBm Total Power 28.7 dBm % of OBW Power x dB Transmit Freq Error Transmit Freq Error x dB Bandwidth % of OBW Power x dB 99.00 % -26.00 dB Local .:: 🕦 ::: X ■ ? Feb 10, 2025 pm ■ 1 Peb 08, 2025 pm Band42-Part27_15MHz_QPSK_RB75_0_CH42165 Band42-Part27_15MHz_256QAM_RB75_0_CH42165 KEYSIGHT Input: RF Frequency v ♡ Frequency v KEYSIGHT Input: RF Input Z: 50 Q Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 3.457500000 GHz Input Z: 50 Ω Atten: 30 dB Trig: Free Run Center Freq: 3.457500000 GHz Gate: Off Avg|Hold: 10/10 #IF Gain: Low Radio Std: None Center Frequency 3.457500000 GHz Center Frequency 3.457500000 GHz Freq Ref: Int (S) Freq Ref: Int (S) 1 Graph 30 000 MHz 1 Graph 30 000 MHz Scale/Div 10.0 dR Scale/Div 10 0 dB Auto Man Auto Man Occupied Bandwidth 13.493 MHz Occupied Bandwidth 13.472 MHz Total Power 30.5 dBm Total Power 26.7 dBm Transmit Freq Error Transmit Freq Error x dB Bandwidth % of OBW Power % of OBW Power x dB

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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Feb 08, 2025 PM

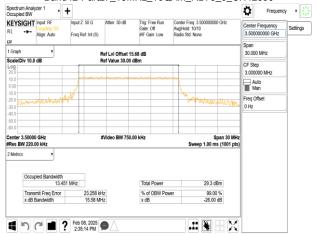
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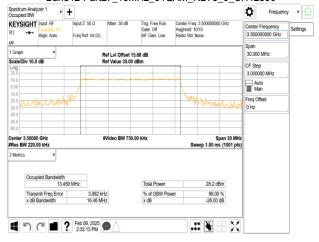
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Band42-Part27_15MHz_QPSK_RB75_0_CH42590 Frequency v Ö Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input: RF put Z: 50 Ω Atten: 30 dB Settings 1 Graph Scale/Div 10.0 dB Auto Man Freq Offset 0 Hz #Video BW 750.00 kHz Occupied Bandwidth 13,430 MHz Total Power 30.3 dBm Transmit Freq Error x dB Bandwidth % of OBW Power x dB € 1 Peb 08, 2025 € 2:22:05 PM

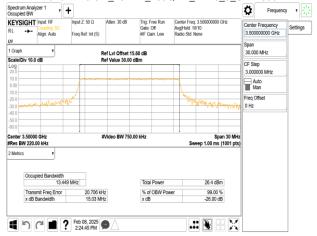
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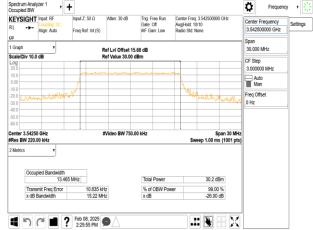
Band42-Part27_15MHz_64QAM_RB75_0_CH42590



Band42-Part27_15MHz_256QAM_RB75_0_CH42590



Band42-Part27_15MHz_QPSK_RB75_0_CH43015



Band42-Part27_15MHz_16QAM_RB75_0_CH43015



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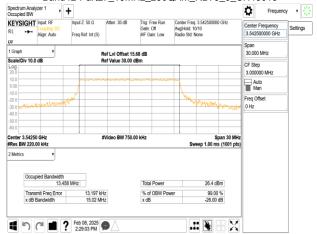
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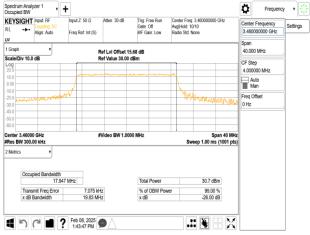
Page: 196 of 491

Band42-Part27 15MHz 64QAM RB75 0 CH43015 Cocupied BW FRF Frequency v Ö Trig: Free Run Gate: Off #IF Gain: Low Input Z: 50 Ω Atten: 30 dB Settings 1 Graph Scale/Div 10.0 dB Auto Man Freq Offset 0 Hz #Video BW 750.00 kHz Occupied Bandwidth 13.501 MHz Total Power 28.3 dBm Transmit Freq Error x dB Bandwidth % of OBW Power x dB

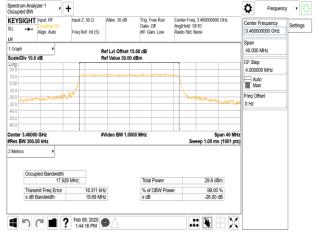
Band42-Part27 15MHz 256QAM RB75 0 CH43015



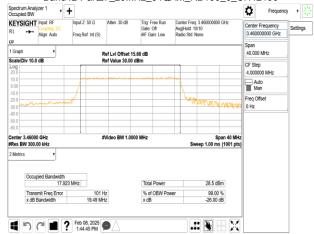
Band42-Part27_20MHz_QPSK_RB100_0_CH42190



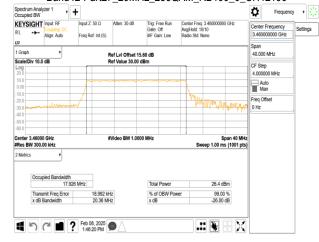
Band42-Part27_20MHz_16QAM_RB100_0_CH42190



Band42-Part27 20MHz 64QAM RB100 0 CH42190



Band42-Part27_20MHz_256QAM_RB100_0_CH42190



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