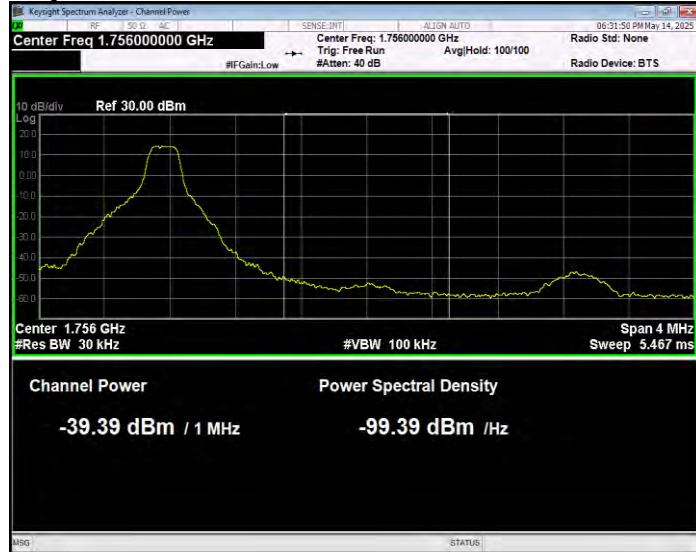
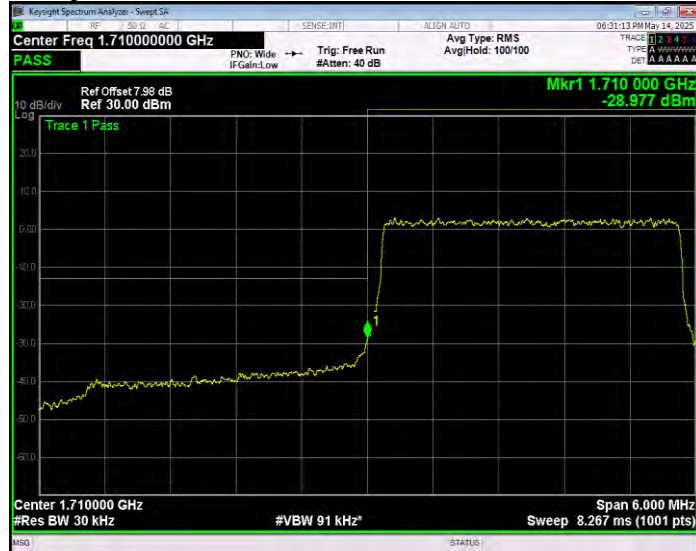


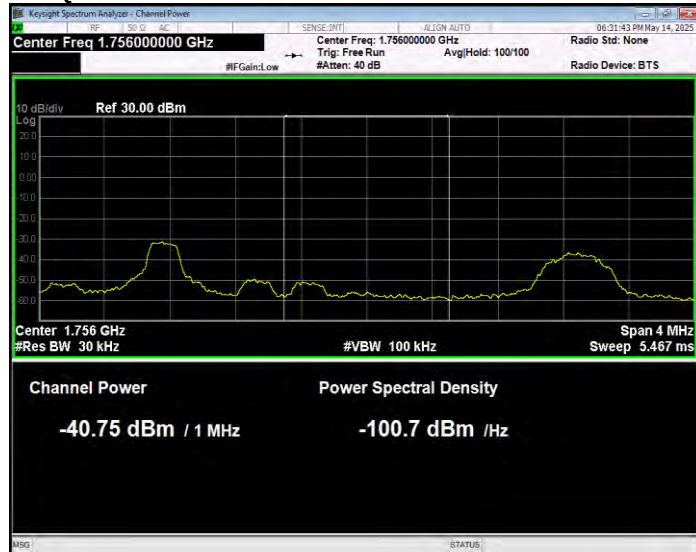
Band4 QPSK BW=3MHz Channel=20385 RB Size=1 Position=#Max Extended



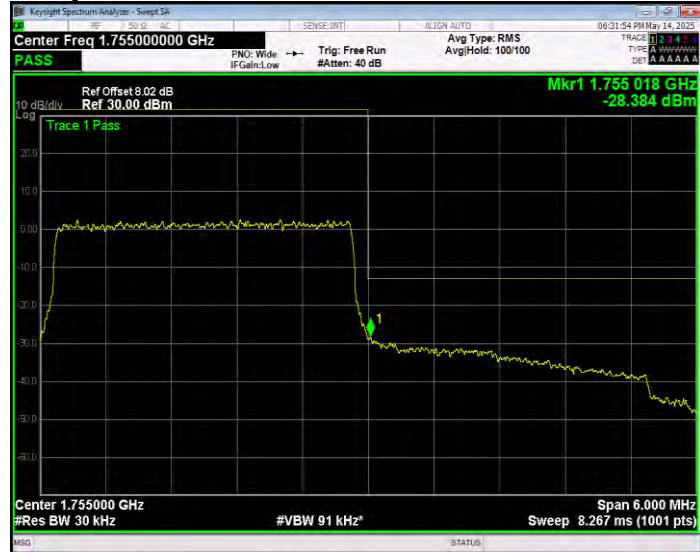
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0 Normal



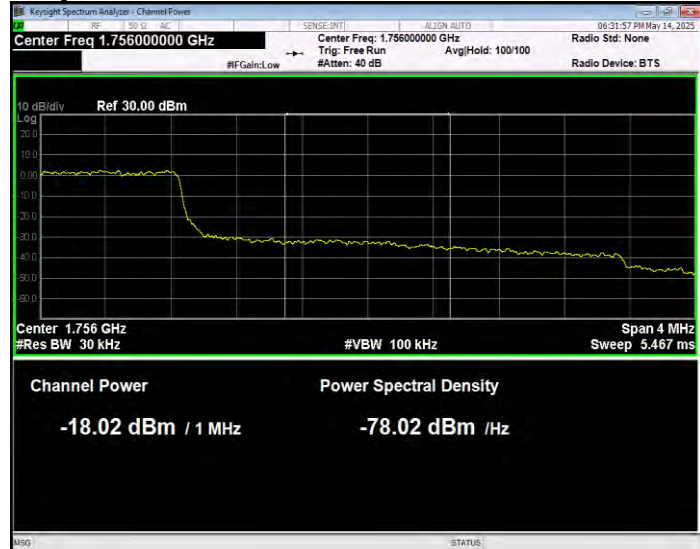
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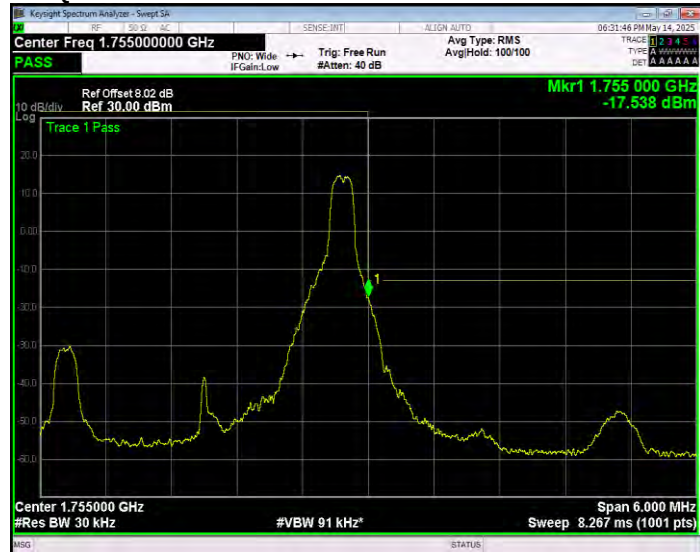
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0 Normal



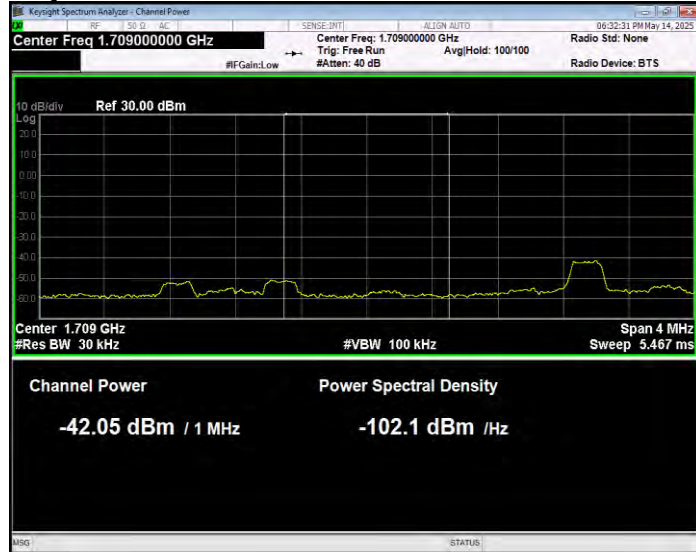
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0 Extended



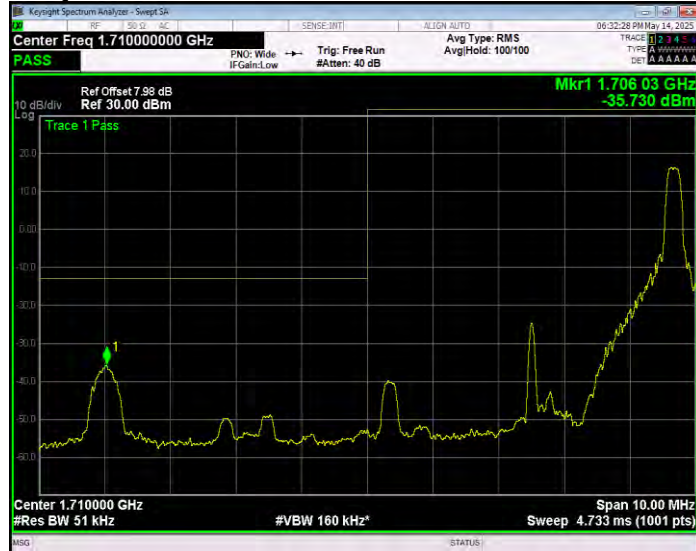
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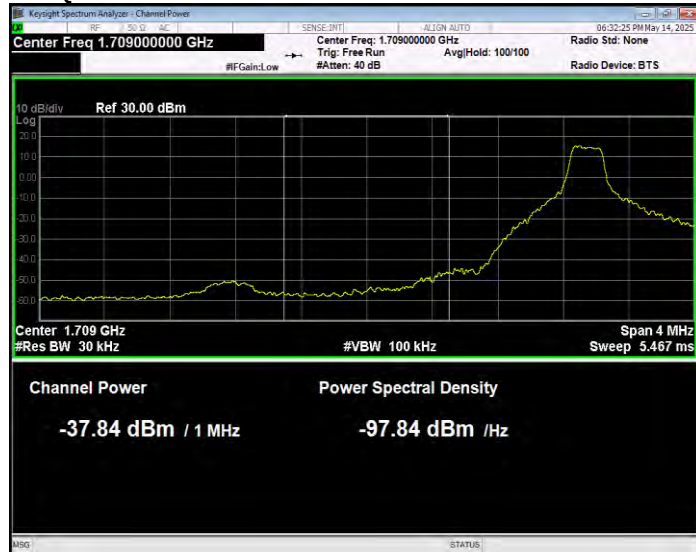
Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#Max Extended



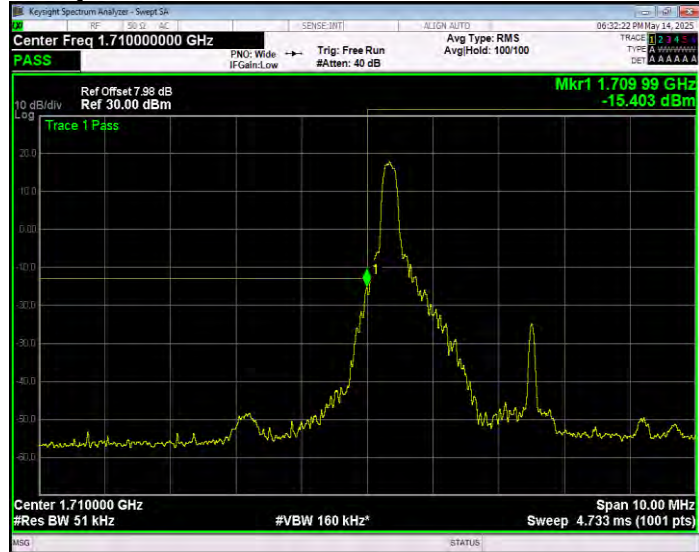
Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#Max Normal



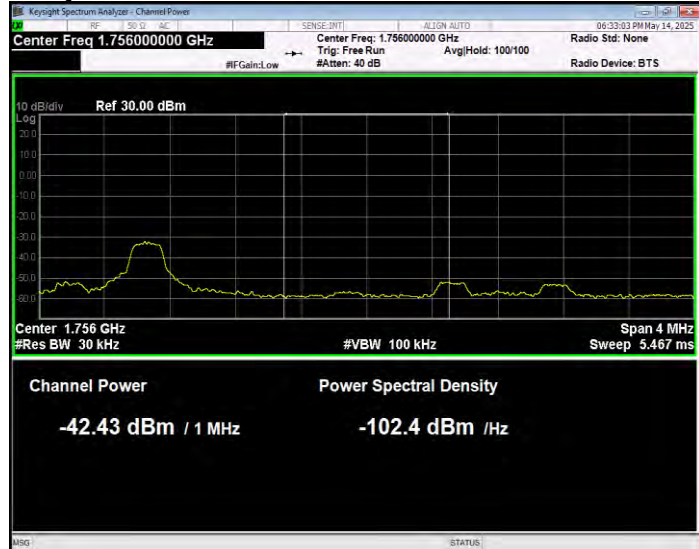
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Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0 Normal



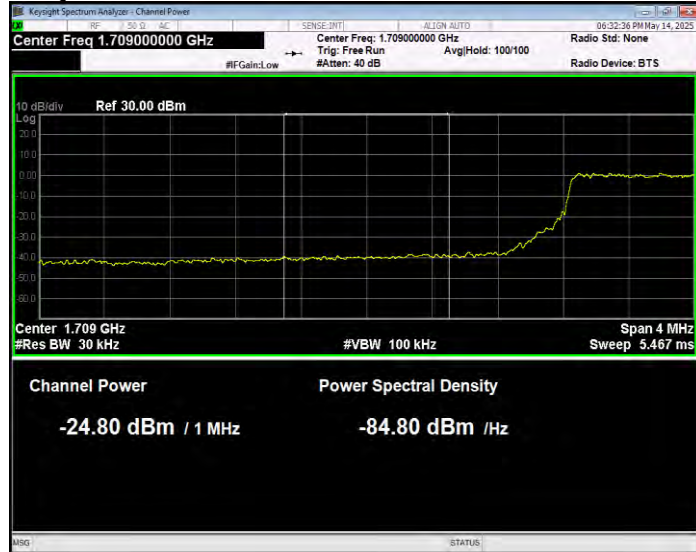
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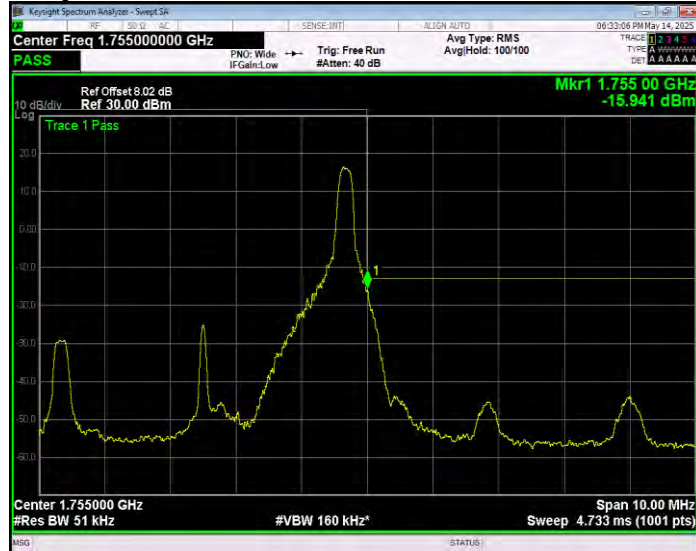
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0 Normal



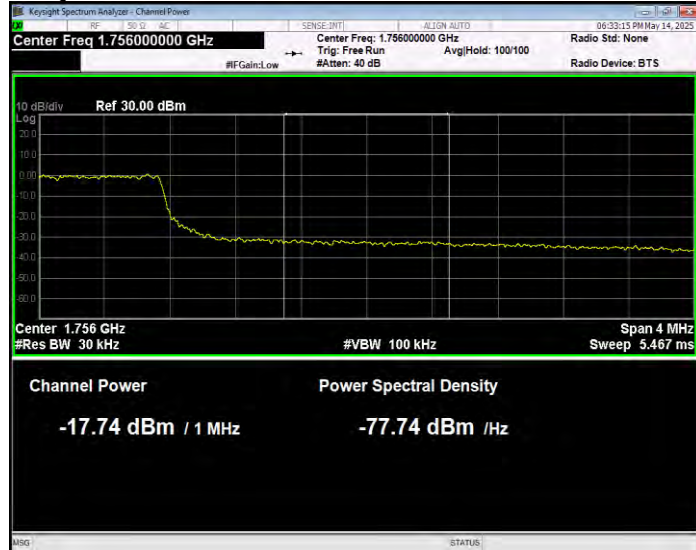
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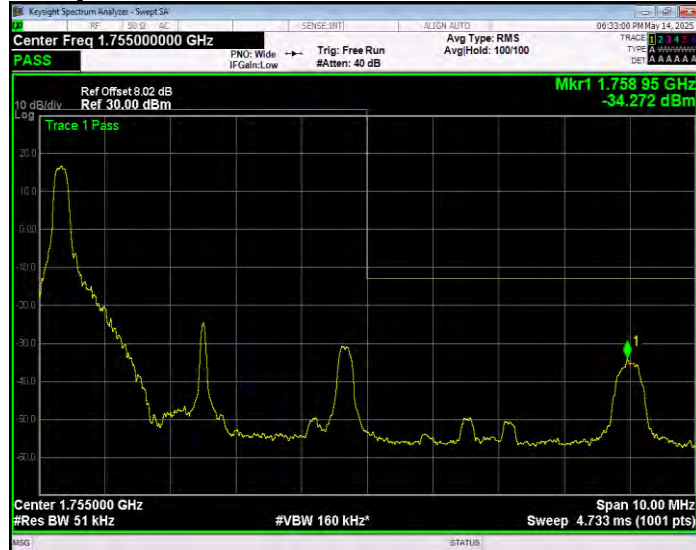
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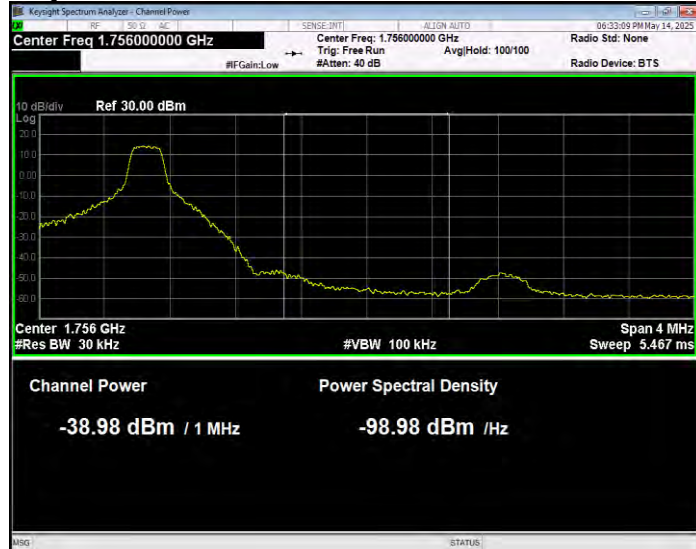
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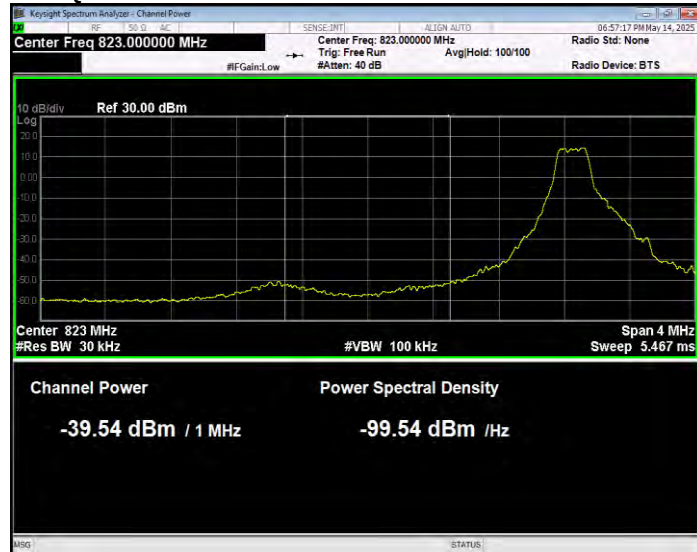
Band4 QPSK BW=5MHz Channel=20375 RB Size=1 Position=#Max Extended



Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0 Normal



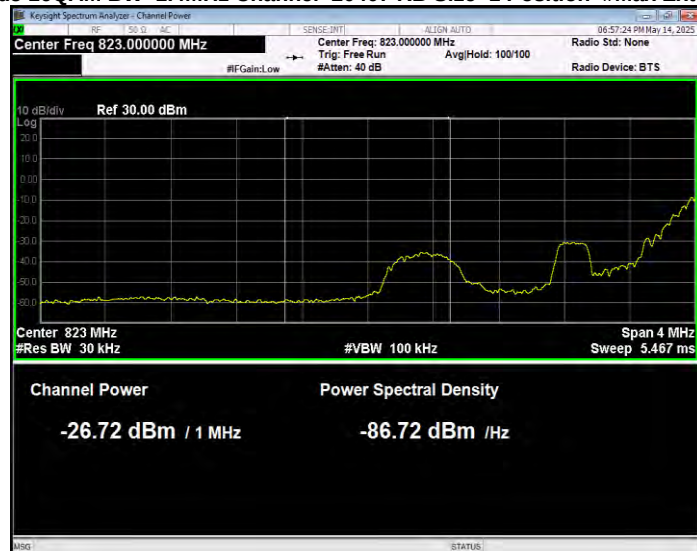
Band5 16QAM BW=1.4MHz Channel=20407 RB Size=1 Position=#0 Extended



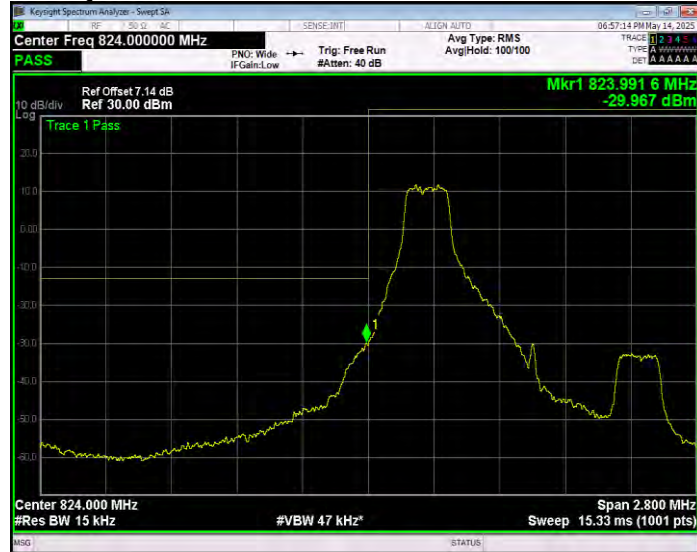
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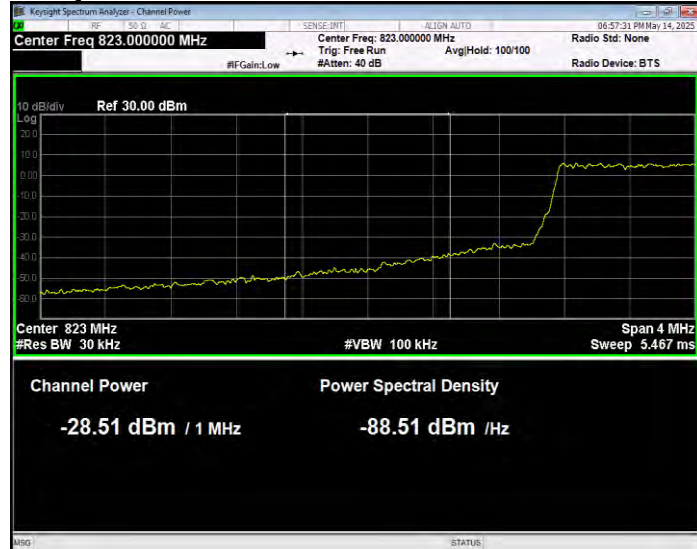
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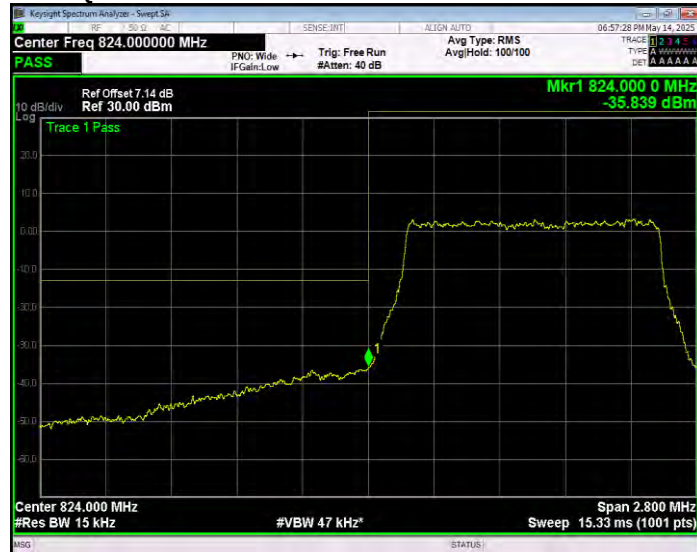
Band5 16QAM BW=1.4MHz Channel=20407 RB Size=1 Position=#0 Normal



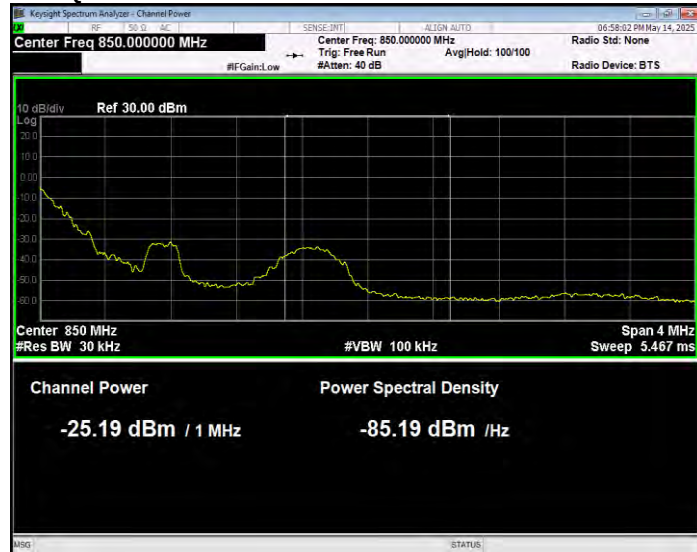
Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0 Extended



Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0 Normal



Band5 16QAM BW=1.4MHz Channel=20643 RB Size=1 Position=#0 Extended



Band5 16QAM BW=1.4MHz Channel=20643 RB Size=1 Position=#Max Normal



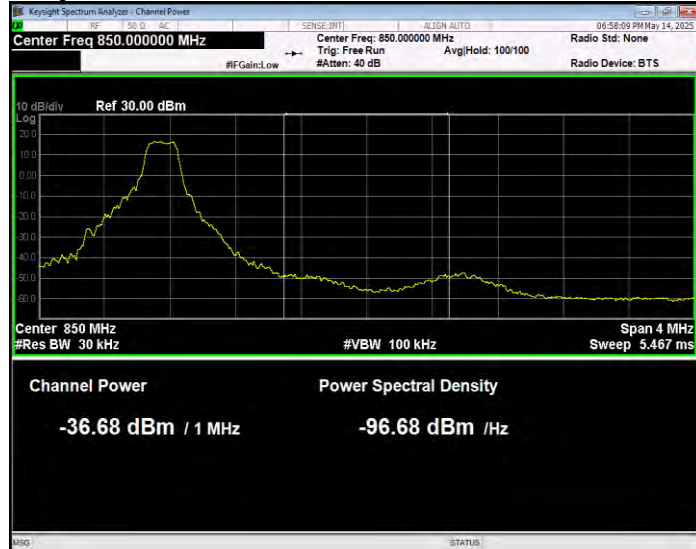
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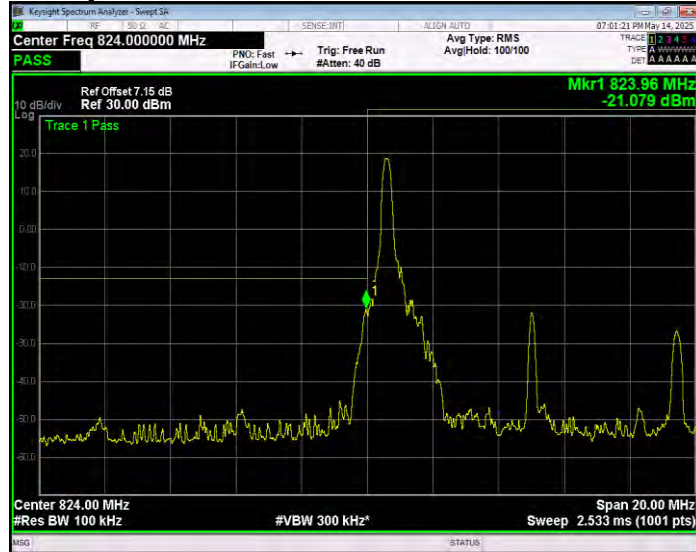
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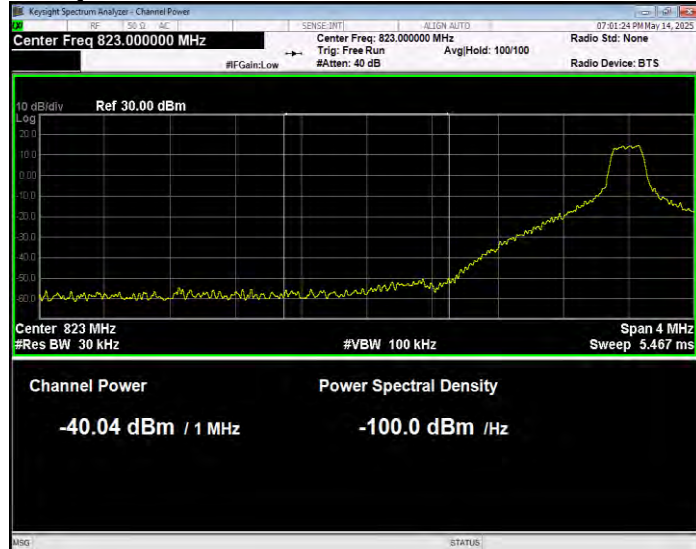
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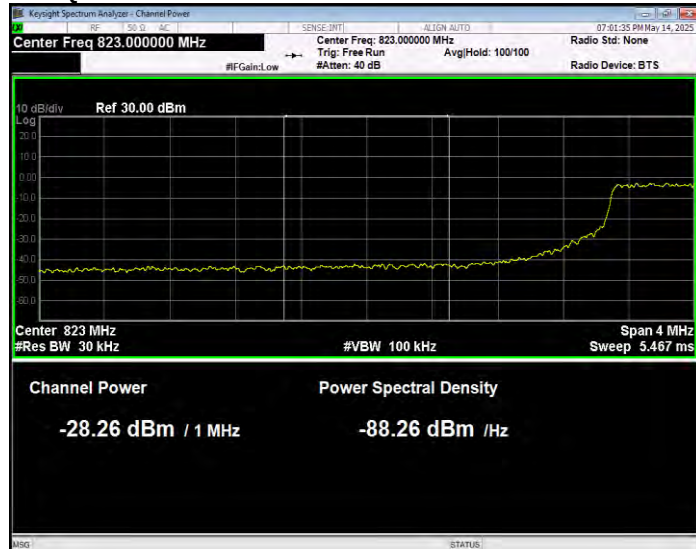
Band5 16QAM BW=10MHz Channel=20450 RB Size=1 Position=#0 Normal



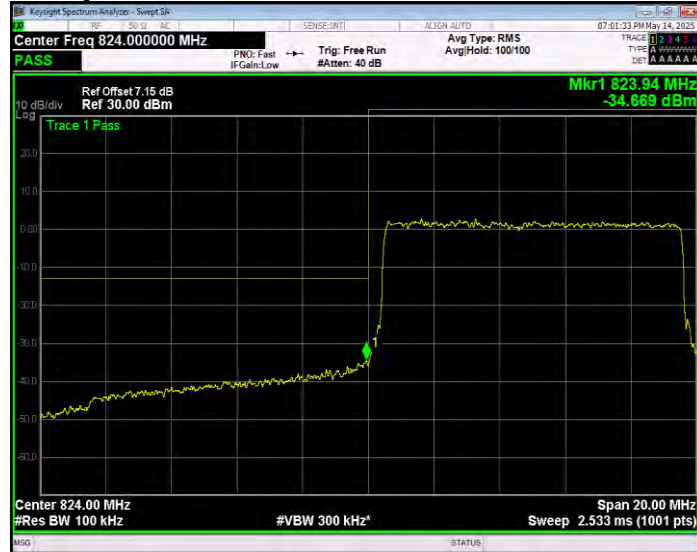
Band5 16QAM BW=10MHz Channel=20450 RB Size=1 Position=#0 Extended



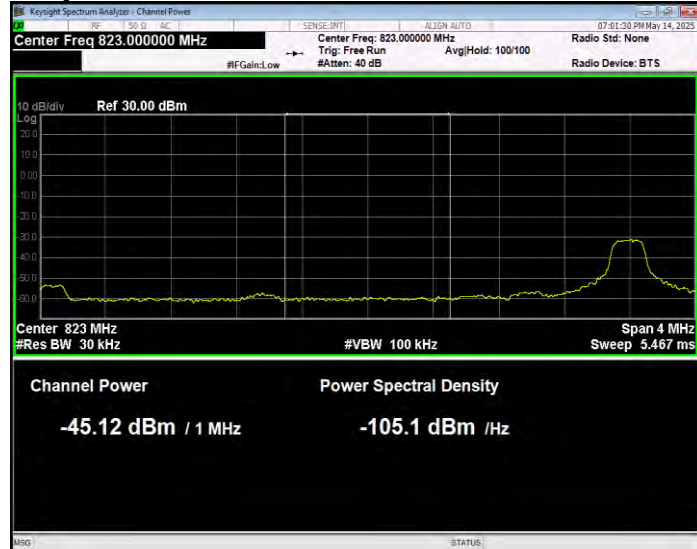
Band5 16QAM BW=10MHz Channel=20450 RB Size=50 Position=#0 Extended



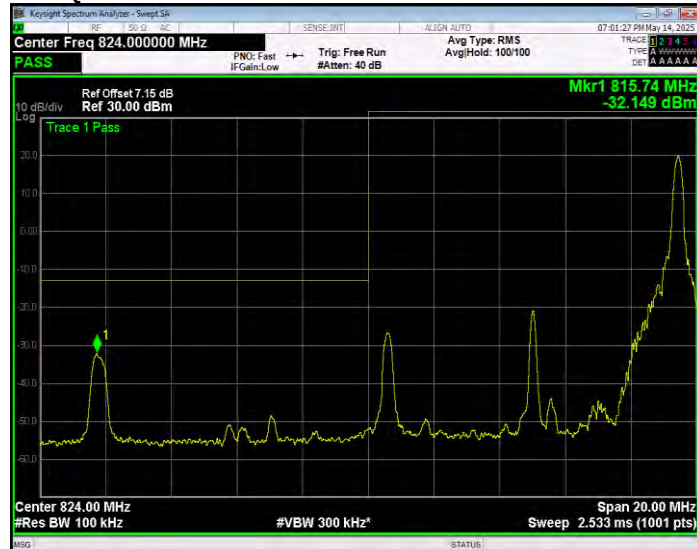
Band5 16QAM BW=10MHz Channel=20450 RB Size=50 Position=#0 Normal



Band5 16QAM BW=10MHz Channel=20450 RB Size=1 Position=#Max Extended



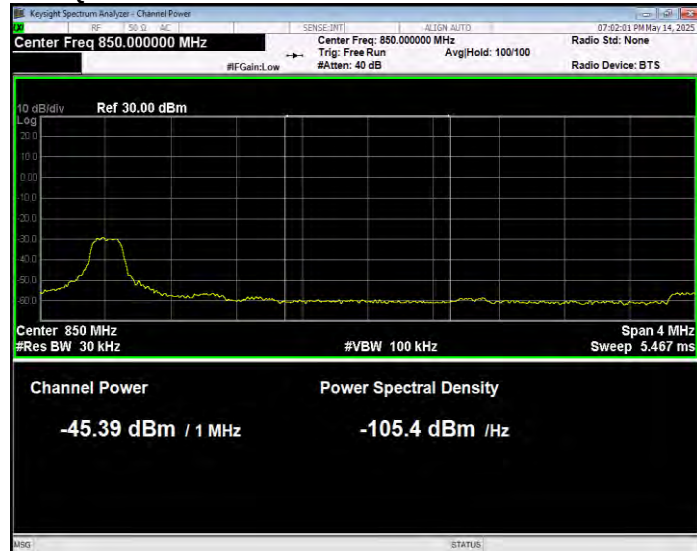
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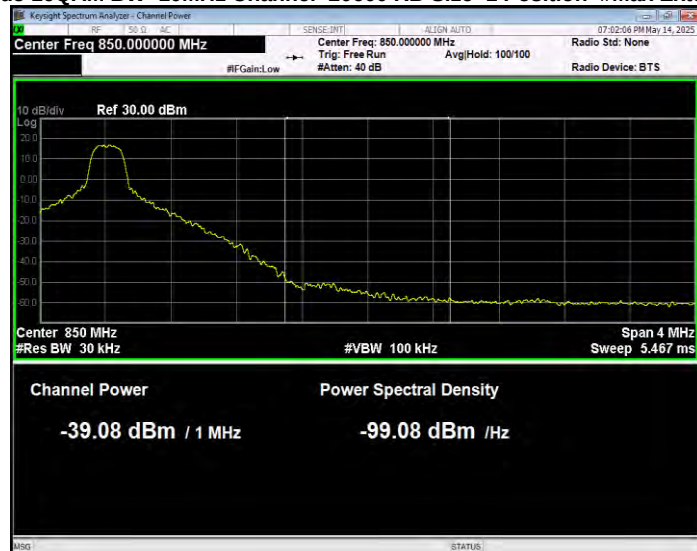
Band5 16QAM BW=10MHz Channel=20600 RB Size=1 Position=#0 Normal



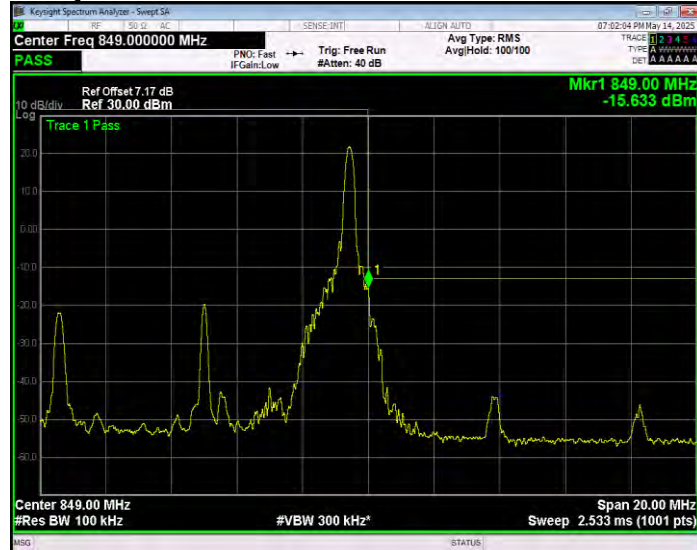
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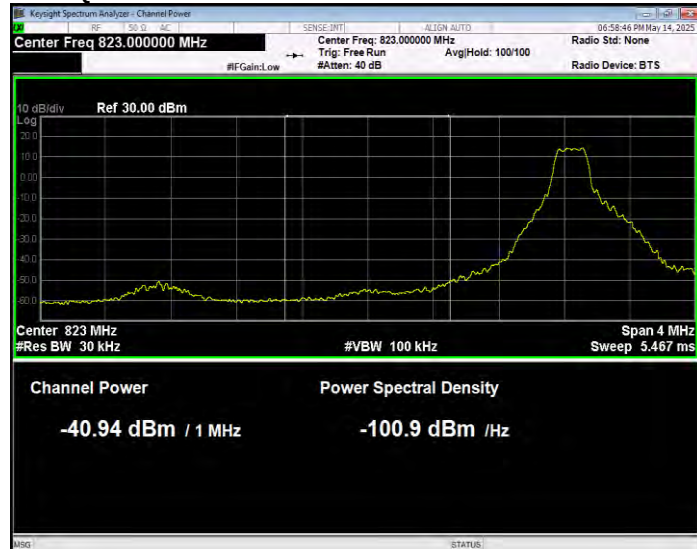
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Band5 16QAM BW=10MHz Channel=20600 RB Size=1 Position=#Max Normal



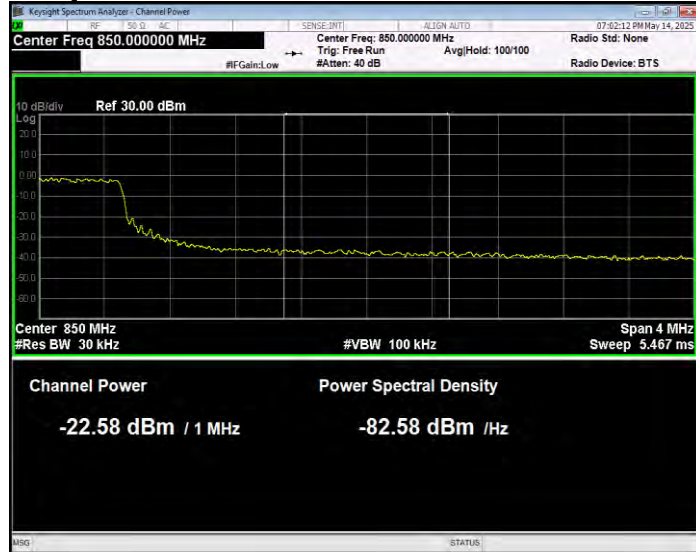
Band5 16QAM BW=3MHz Channel=20415 RB Size=1 Position=#0 Extended



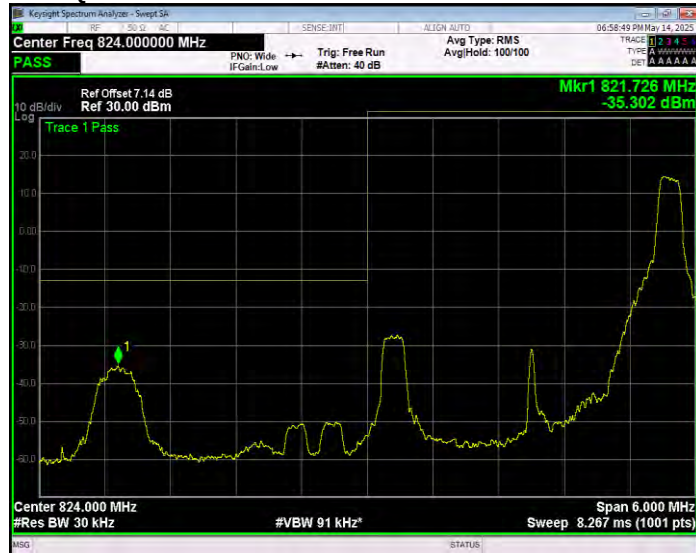
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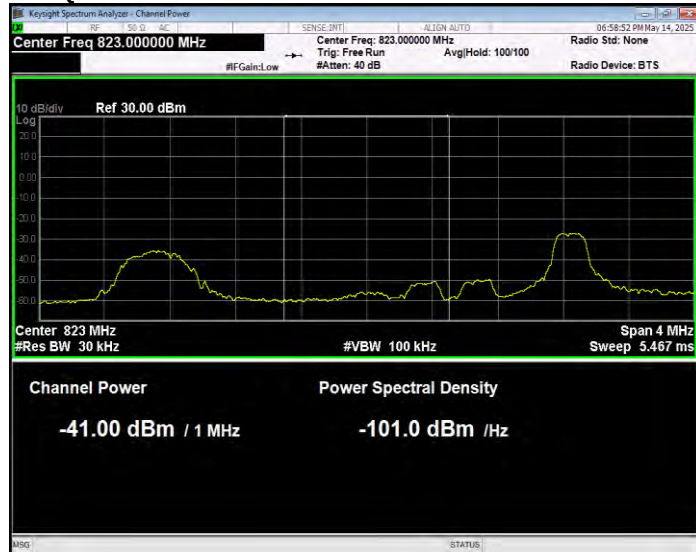
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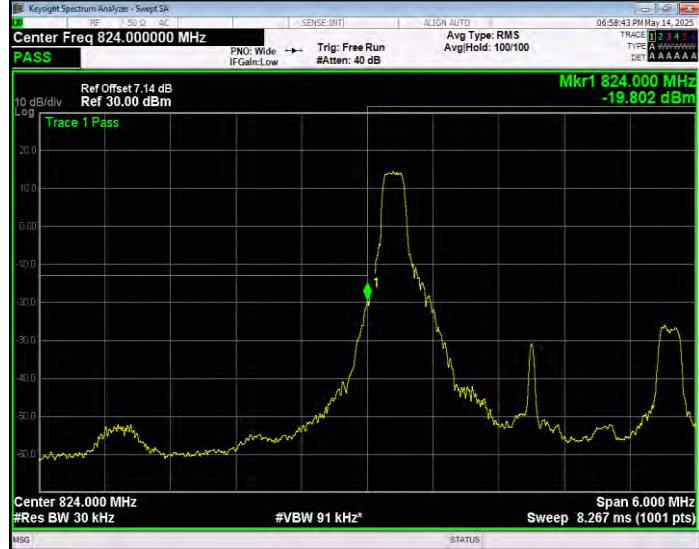
Band5 16QAM BW=3MHz Channel=20415 RB Size=1 Position=#Max Normal



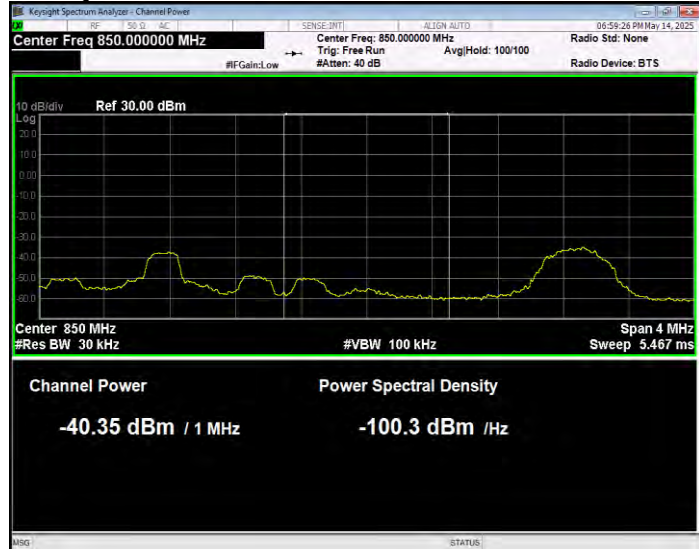
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Band5 16QAM BW=3MHz Channel=20415 RB Size=1 Position=#0 Normal



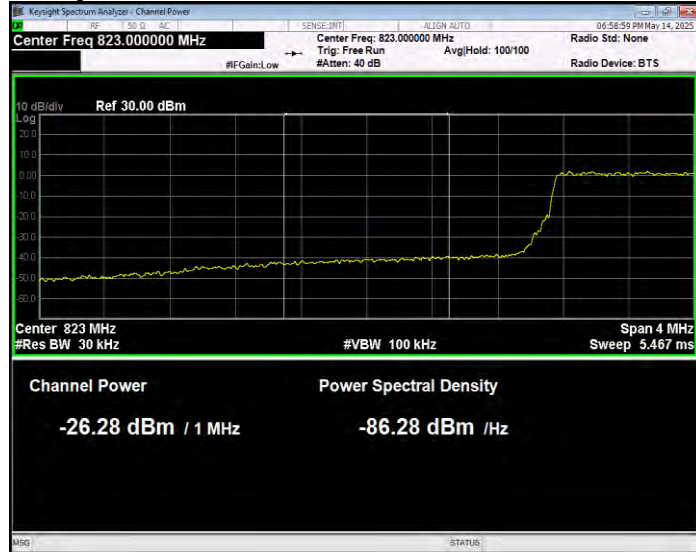
Band5 16QAM BW=3MHz Channel=20635 RB Size=1 Position=#0 Extended



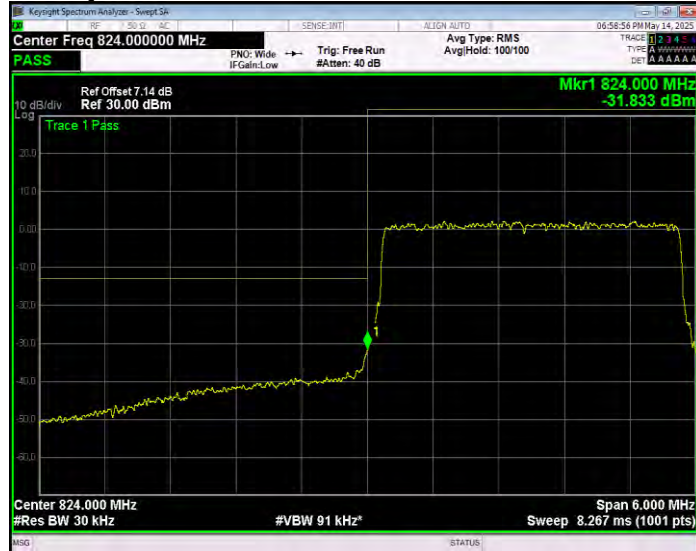
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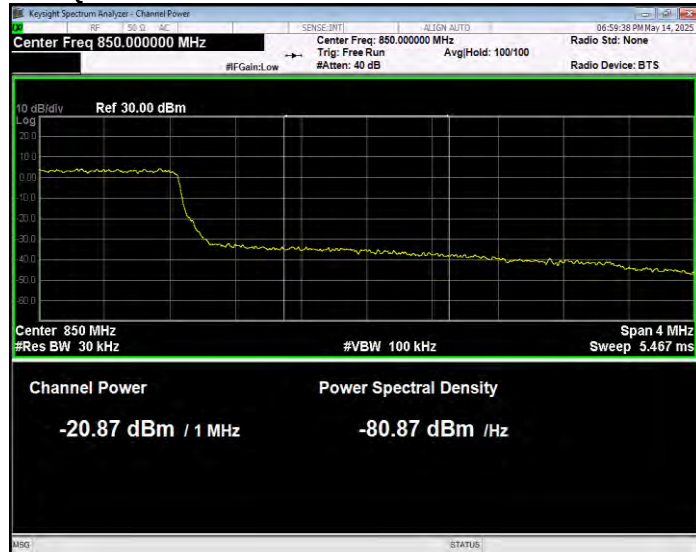
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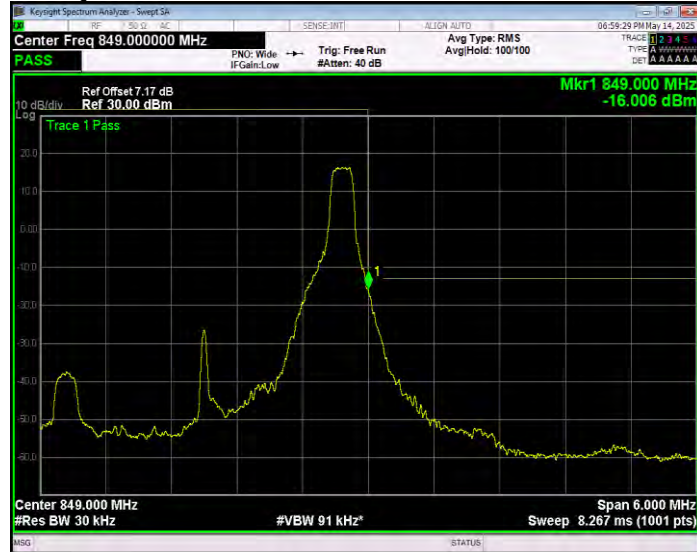
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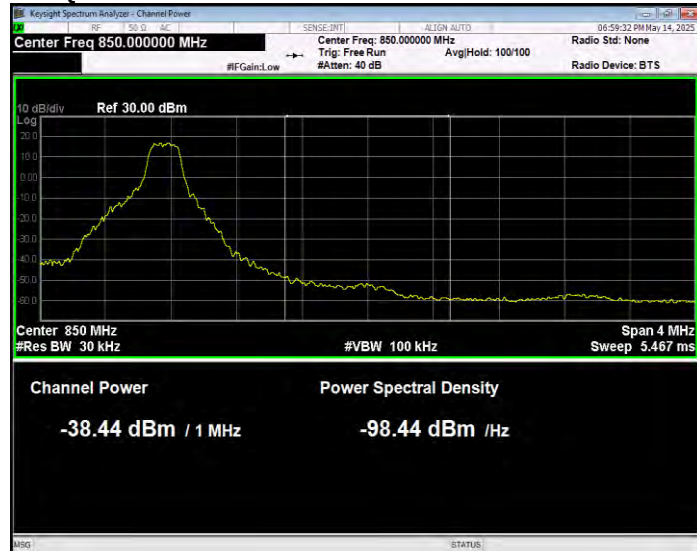
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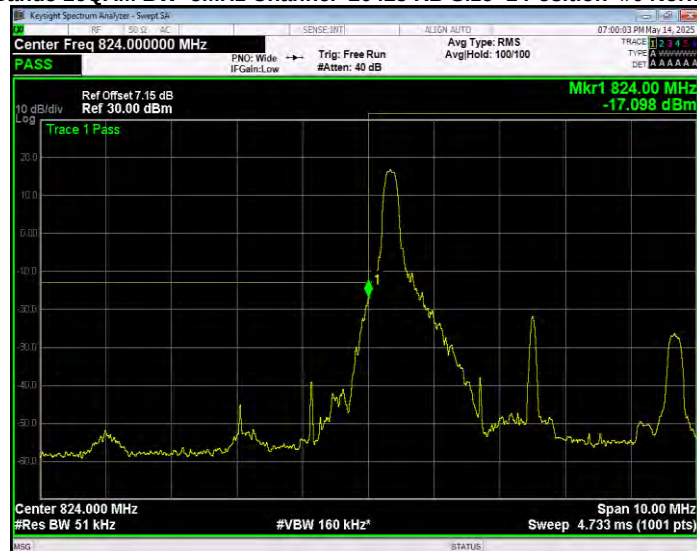
Band5 16QAM BW=3MHz Channel=20635 RB Size=1 Position=#Max Normal



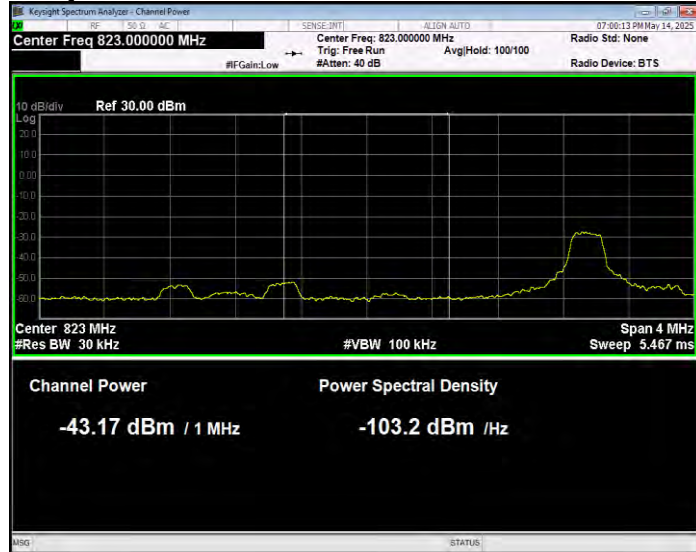
Band5 16QAM BW=3MHz Channel=20635 RB Size=1 Position=#Max Extended



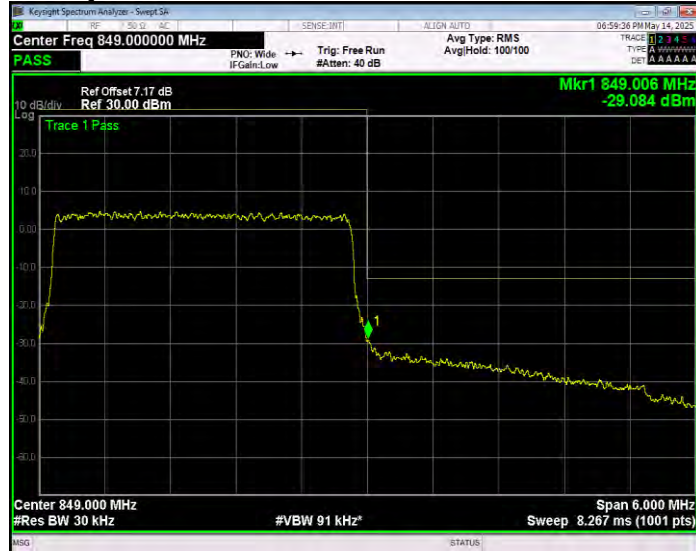
Band5 16QAM BW=5MHz Channel=20425 RB Size=1 Position=#0 Normal



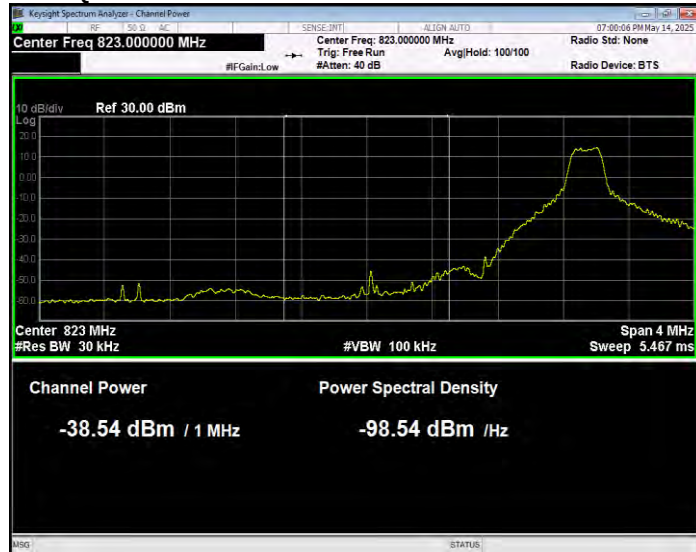
Band5 16QAM BW=5MHz Channel=20425 RB Size=1 Position=#Max Extended



Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0 Normal



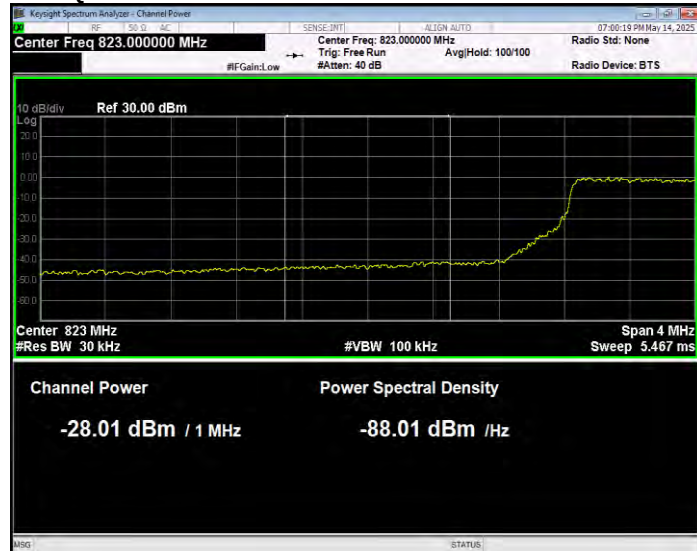
Band5 16QAM BW=5MHz Channel=20425 RB Size=1 Position=#0 Extended



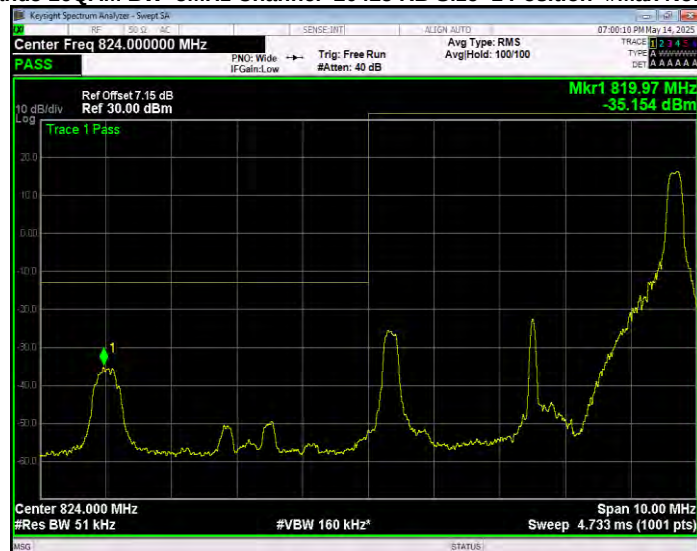
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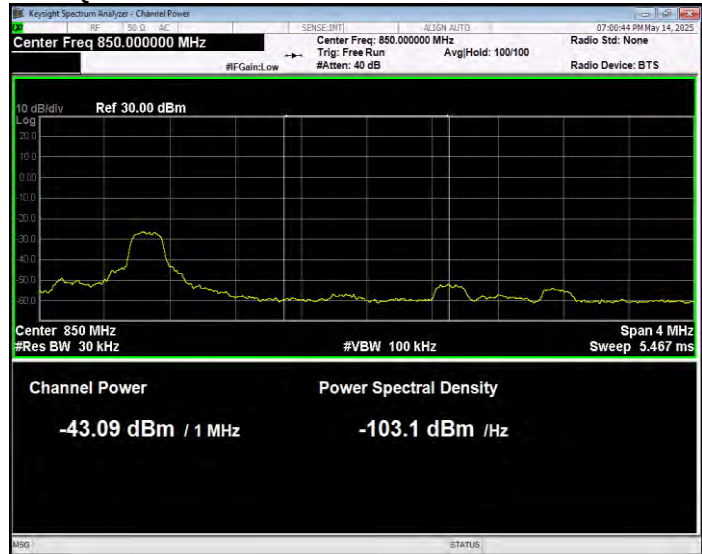
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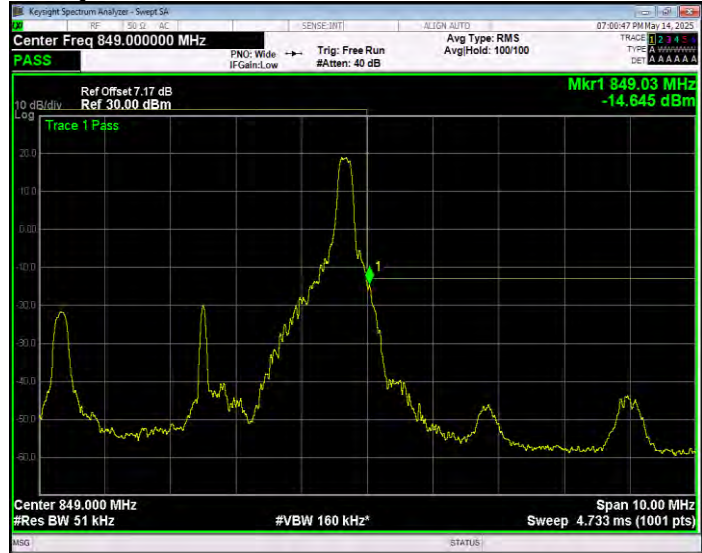
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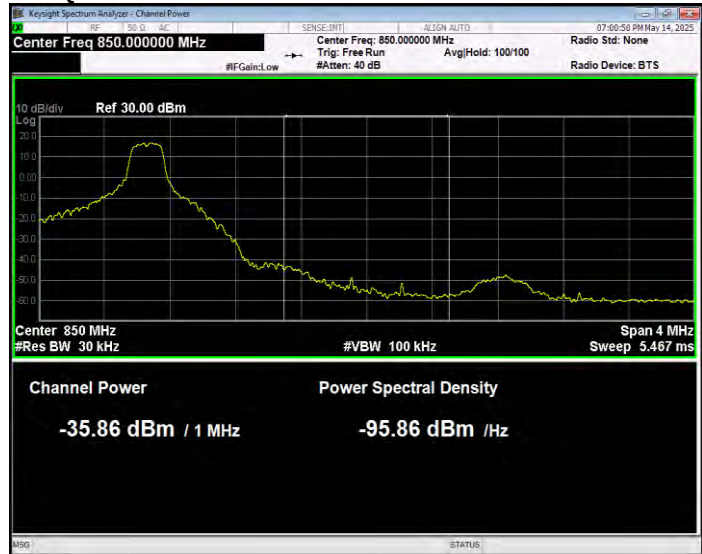
Band5 16QAM BW=5MHz Channel=20625 RB Size=1 Position=#0 Extended



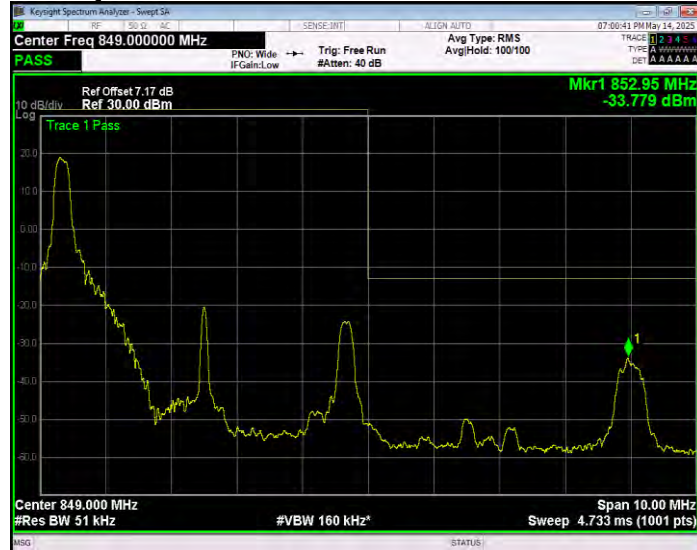
Band5 16QAM BW=5MHz Channel=20625 RB Size=1 Position=#Max Normal



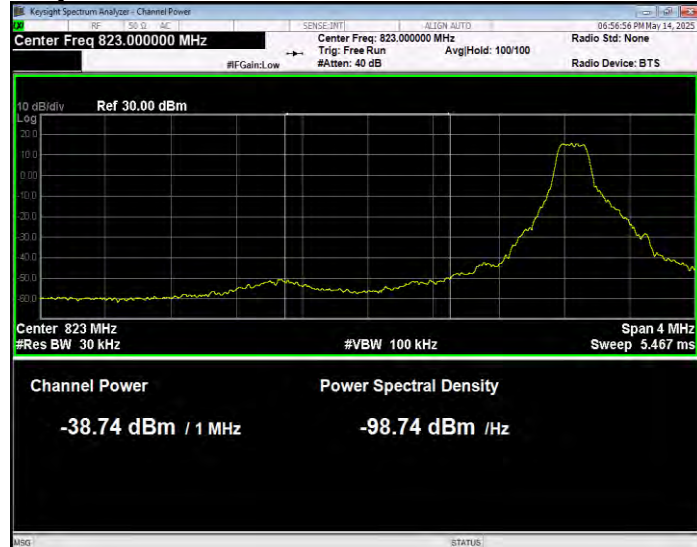
Band5 16QAM BW=5MHz Channel=20625 RB Size=1 Position=#Max Extended



Band5 16QAM BW=5MHz Channel=20625 RB Size=1 Position=#0 Normal



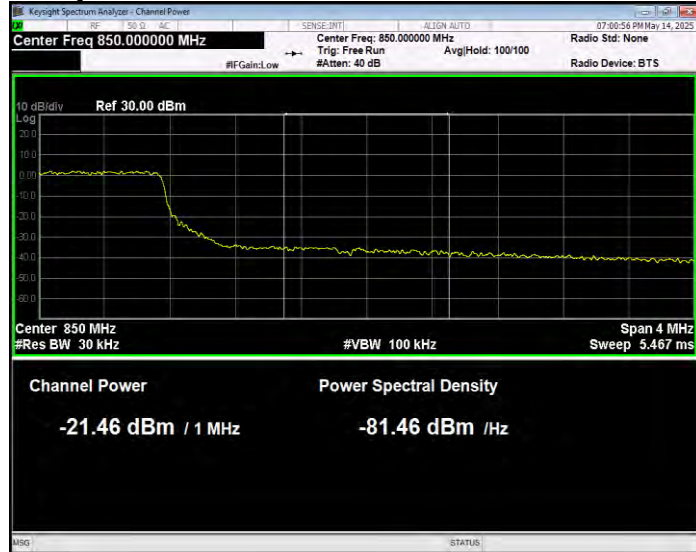
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=1 Position=#0 Extended



Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0 Normal



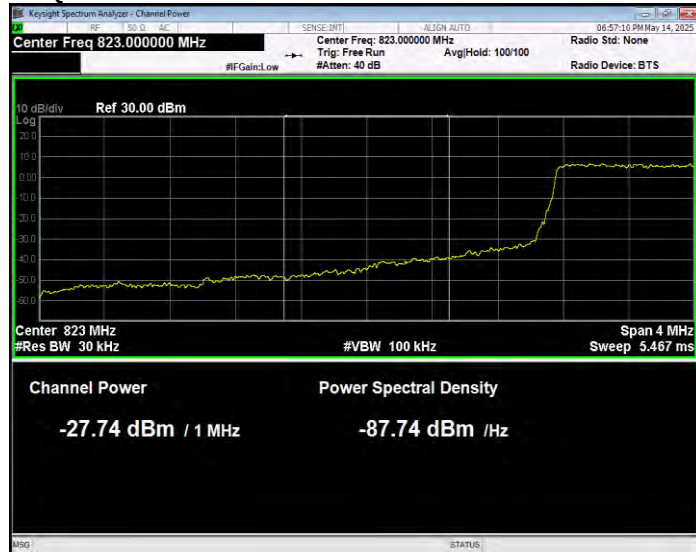
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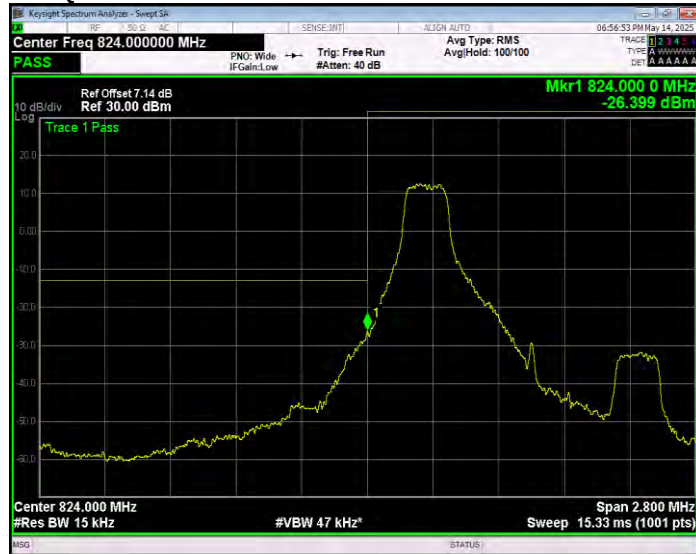
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=1 Position=#Max Normal



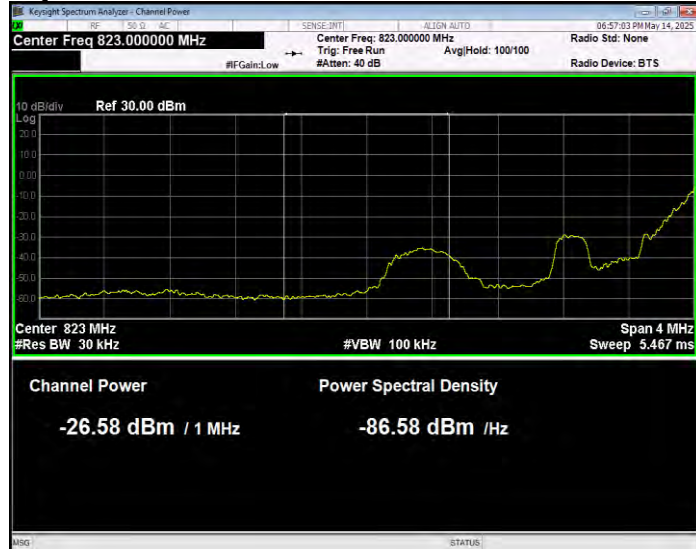
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0 Extended



Band5 QPSK BW=1.4MHz Channel=20407 RB Size=1 Position=#0 Normal



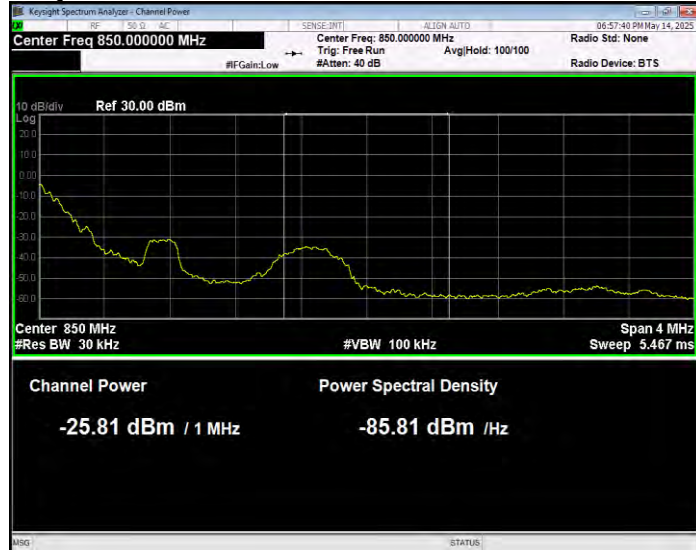
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=1 Position=#Max Extended



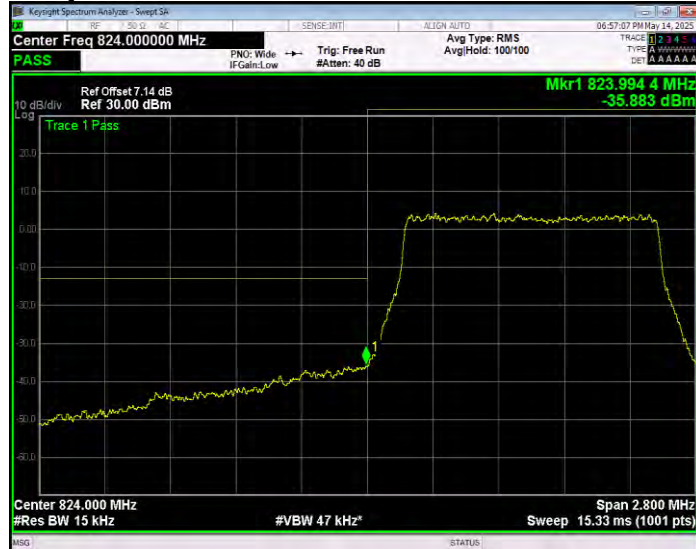
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=1 Position=#0 Normal



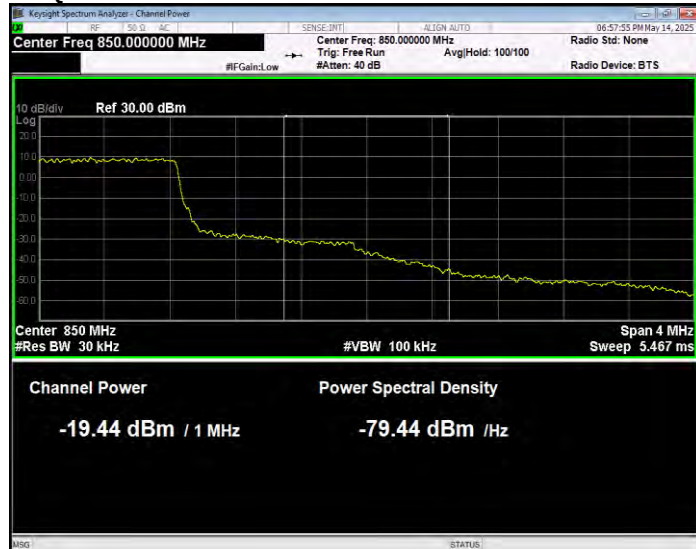
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=1 Position=#0 Extended



Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0 Normal



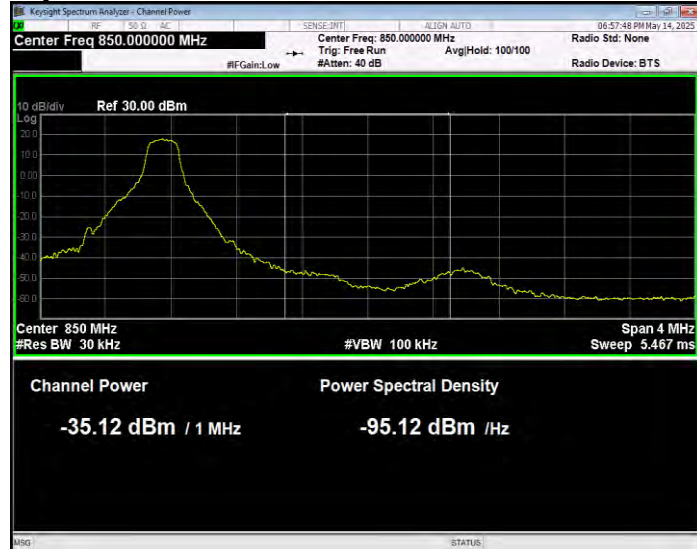
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Band5 QPSK BW=1.4MHz Channel=20643 RB Size=1 Position=#Max Normal



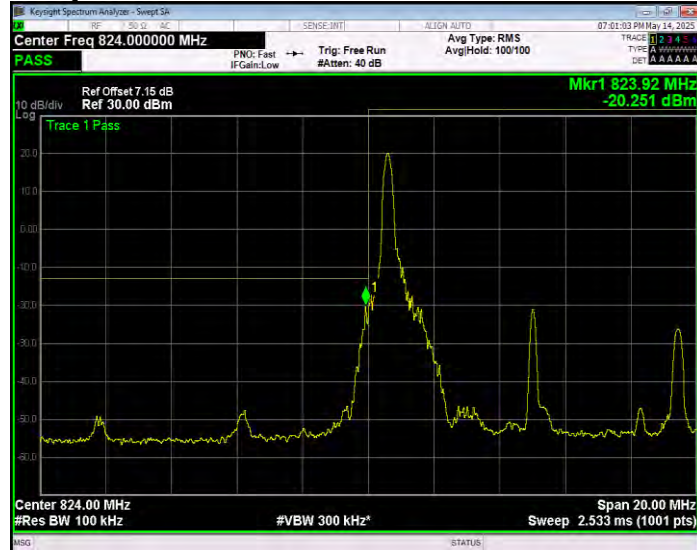
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=1 Position=#Max Extended



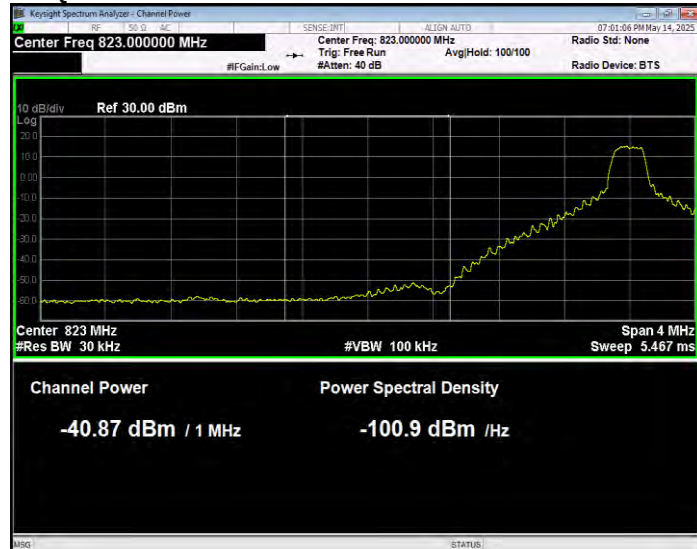
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0 Normal



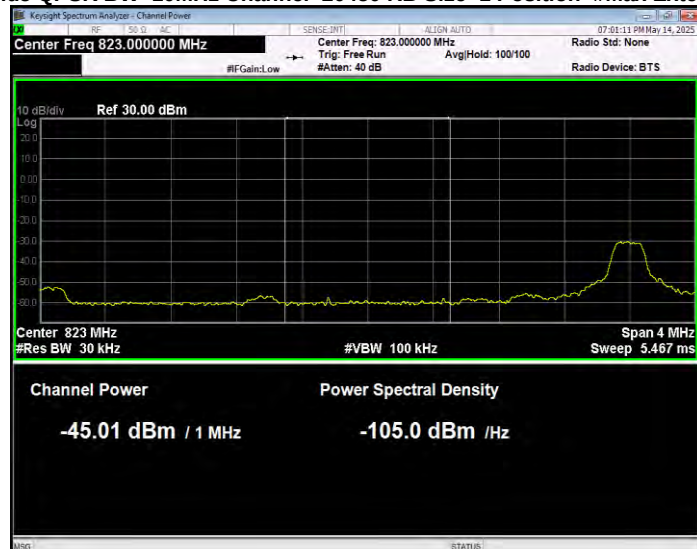
Band5 QPSK BW=10MHz Channel=20450 RB Size=1 Position=#0 Normal



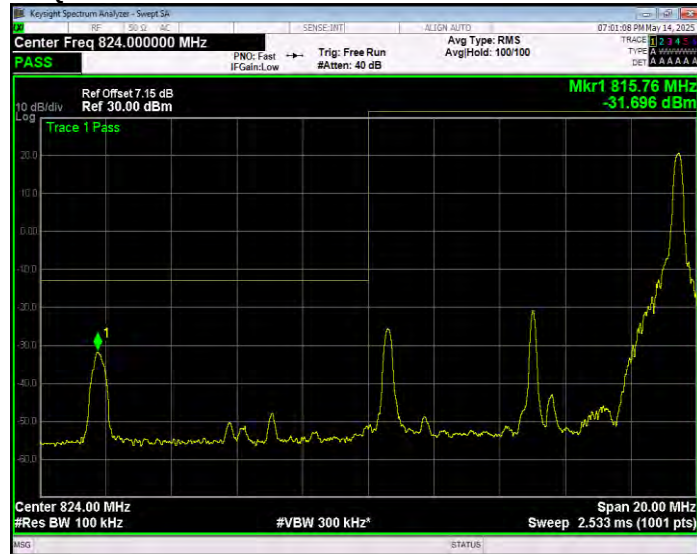
Band5 QPSK BW=10MHz Channel=20450 RB Size=1 Position=#0 Extended



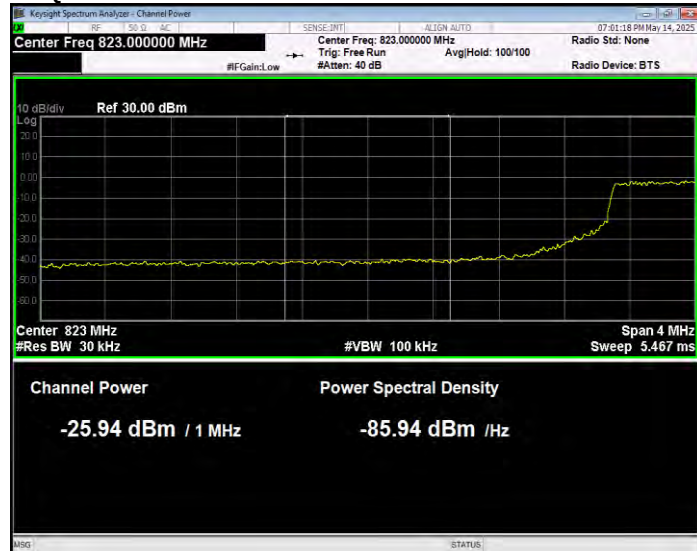
Band5 QPSK BW=10MHz Channel=20450 RB Size=1 Position=#Max Extended



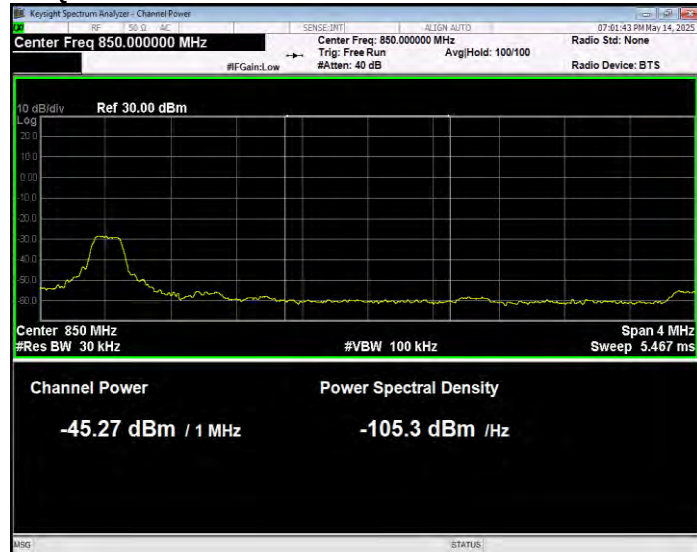
Band5 QPSK BW=10MHz Channel=20450 RB Size=1 Position=#Max Normal



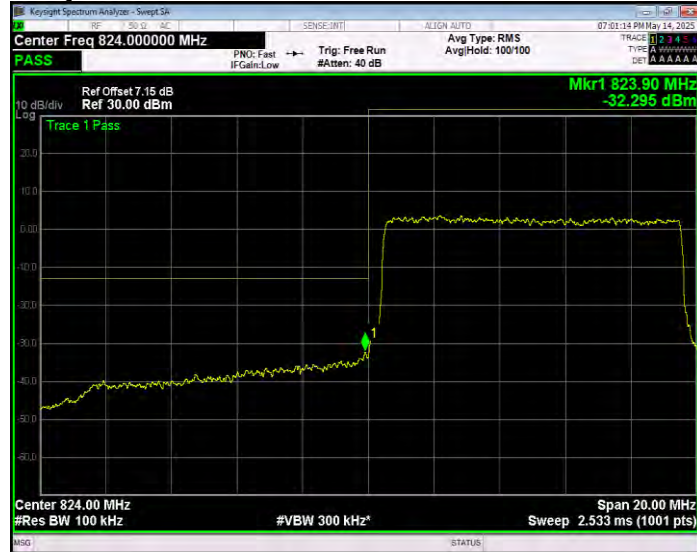
Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0 Extended



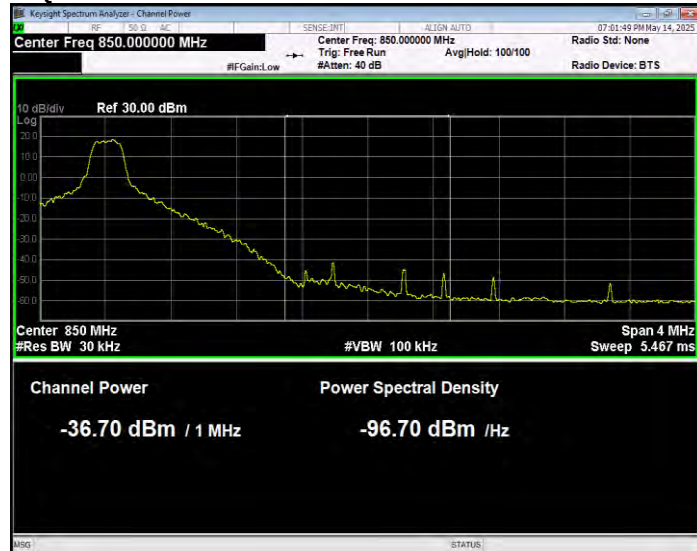
Band5 QPSK BW=10MHz Channel=20600 RB Size=1 Position=#0 Extended



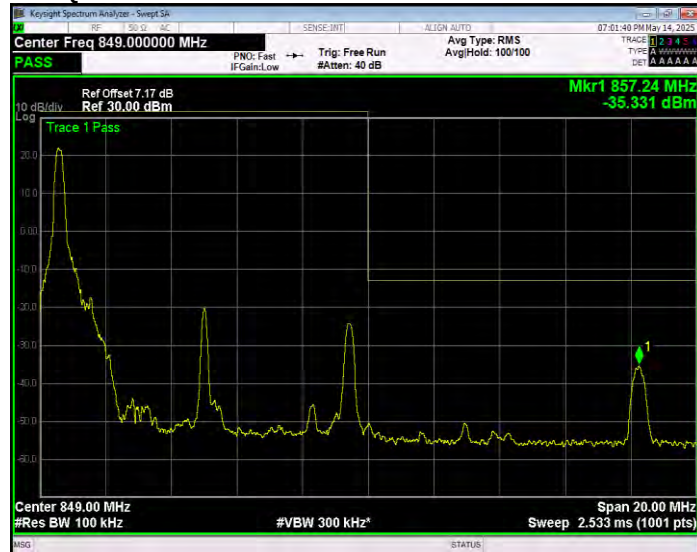
Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0 Normal



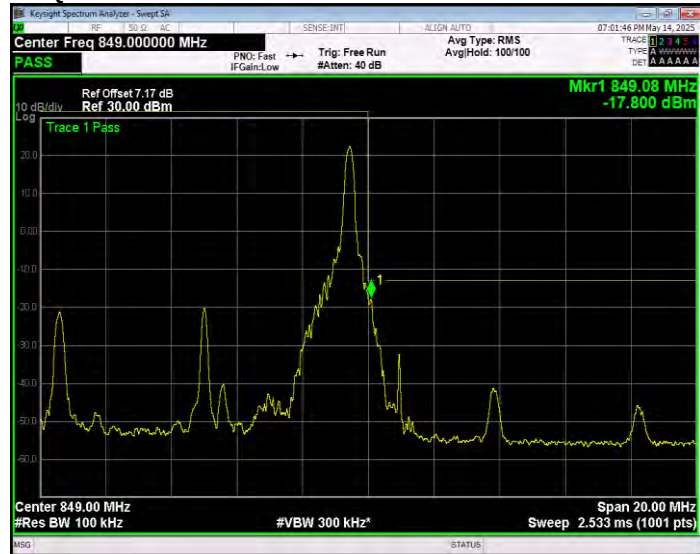
Band5 QPSK BW=10MHz Channel=20600 RB Size=1 Position=#Max Extended



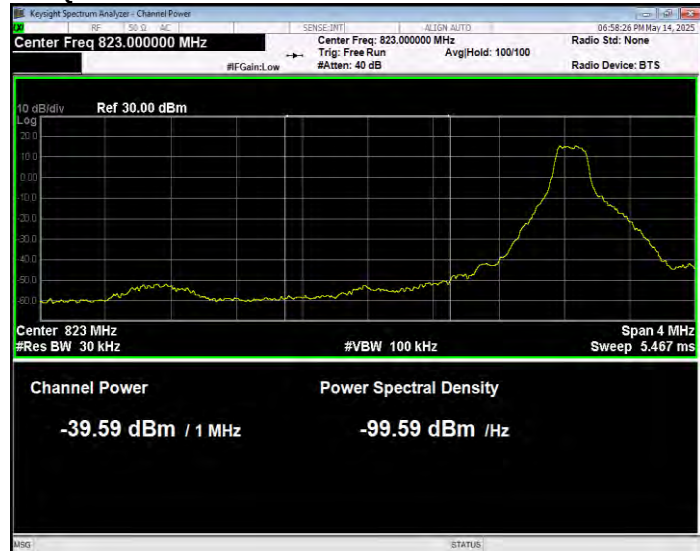
Band5 QPSK BW=10MHz Channel=20600 RB Size=1 Position=#0 Normal



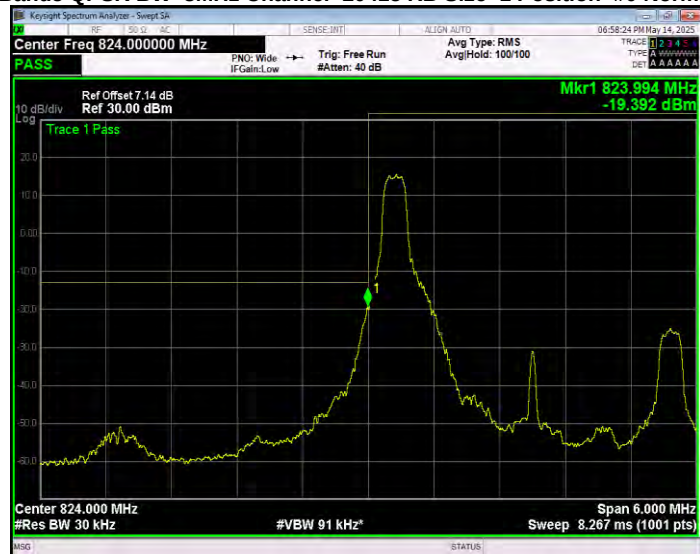
Band5 QPSK BW=10MHz Channel=20600 RB Size=1 Position=#Max Normal



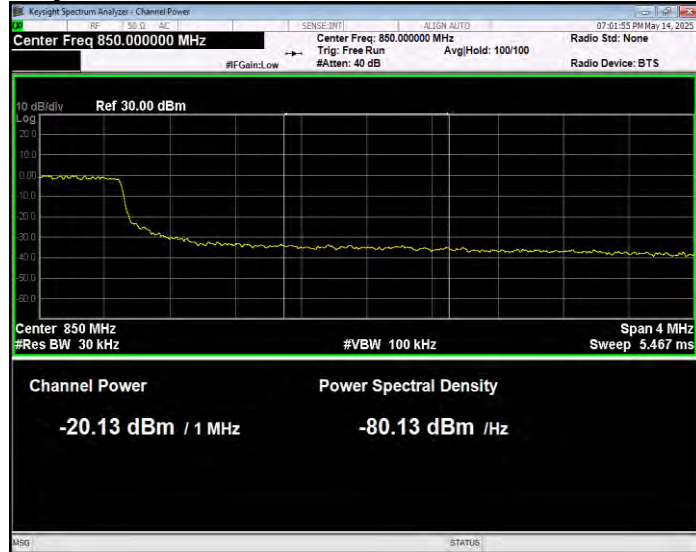
Band5 QPSK BW=3MHz Channel=20415 RB Size=1 Position=#0 Extended



Band5 QPSK BW=3MHz Channel=20415 RB Size=1 Position=#0 Normal



Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0 Extended



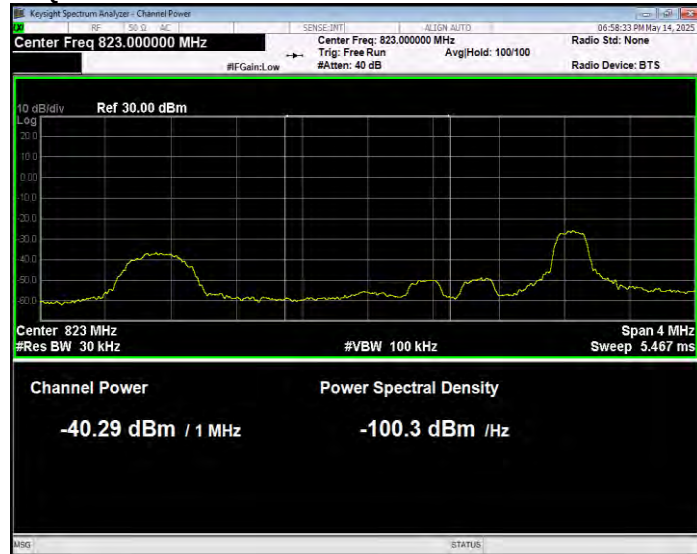
Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0 Normal



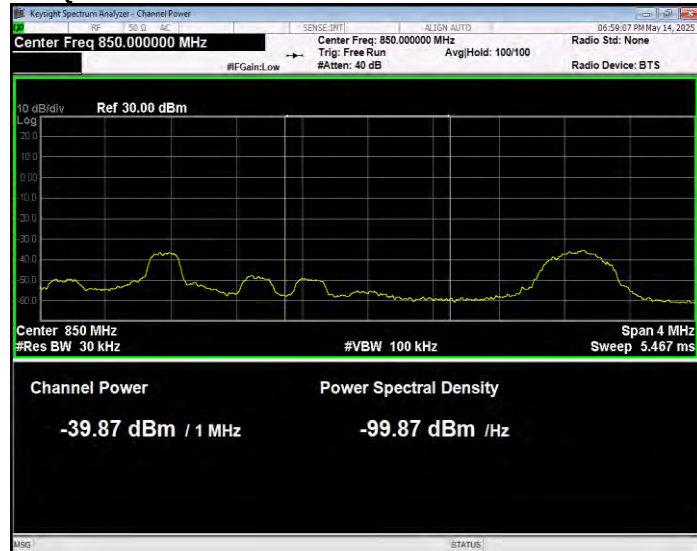
Band5 QPSK BW=3MHz Channel=20415 RB Size=1 Position=#Max Normal



Band5 QPSK BW=3MHz Channel=20415 RB Size=1 Position=#Max Extended



Band5 QPSK BW=3MHz Channel=20635 RB Size=1 Position=#0 Extended



Band5 QPSK BW=3MHz Channel=20635 RB Size=1 Position=#0 Normal



Keysight Spectrum Analyzer - Channel Power

RF: 50.0 AC: SENSE: INT1 ALIGN: AUTO 06:58:39 PM May 14, 2025

Center Freq 823.000000 MHz

Center Freq: 823.000000 MHz
Trig: Free Run
#Atten: 40 dB

Radio Std: None
Radio Device: BTS

#FGalnc: Low

10 dB/div Ref 30.00 dBm

Log
20.0
10.0
0.0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0

Center 823 MHz
#Res BW 30 kHz

#VBW 100 kHz
Span 4 MHz
Sweep 5.467 ms

Channel Power

-26.66 dBm / 1 MHz

Power Spectral Density

-86.66 dBm /Hz

Keysight Spectrum Analyzer - Swept SP

Center Freq 824.000000 MHz

PASS

PNO: Wide IF Gain: Low

Trig: Free Run #Atten: 40 dB

Avg Type: RMS Avg/Hold: 100/100

06:58:36 PM May 14, 2025

Trace 1 3.4.1 TYPE A WARMUP DET AAAAAA

Ref Offset 7.14 dB Ref 30.00 dBm

Mkr1 824.000 MHz -32.023 dBm

Trace 1 Pass

10 dB/div Log

Center 824.000 MHz

#Res BW 30 kHz

#VBW 91 kHz

Span 6.000 MHz

Sweep 8.267 ms (1001 pts)

MSG STATUS

Keysight Spectrum Analyzer - Channel Power

RF 50.0 AC SENSE:INT ALIGN:AUTO 06:59:19 PM May 14, 2025

Center Freq 850.000000 MHz Center Freq: 850.000000 MHz Radio Std: None
Trig: Free Run Avg/Hold: 100/100
#IFGain: Low #Atten: 40 dB Radio Device: BTS

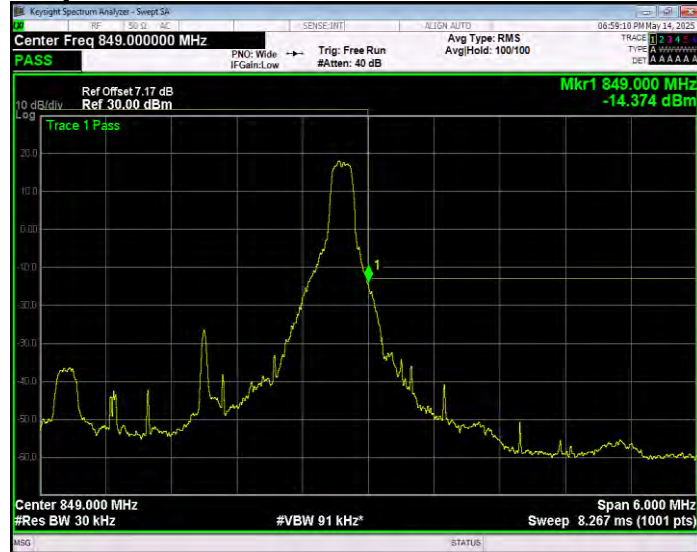
10 dB/div Ref 30.00 dBm

Center 850 MHz Span 4 MHz
#Res BW 30 kHz #VBW 100 kHz Sweep 5.467 ms

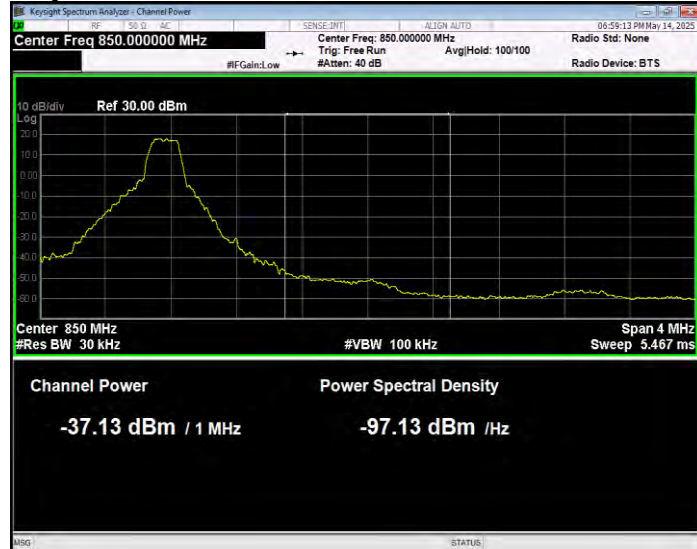
Channel Power Power Spectral Density

-19.43 dBm / 1 MHz -79.43 dBm / 1 MHz

Band5 QPSK BW=3MHz Channel=20635 RB Size=1 Position=#Max Normal



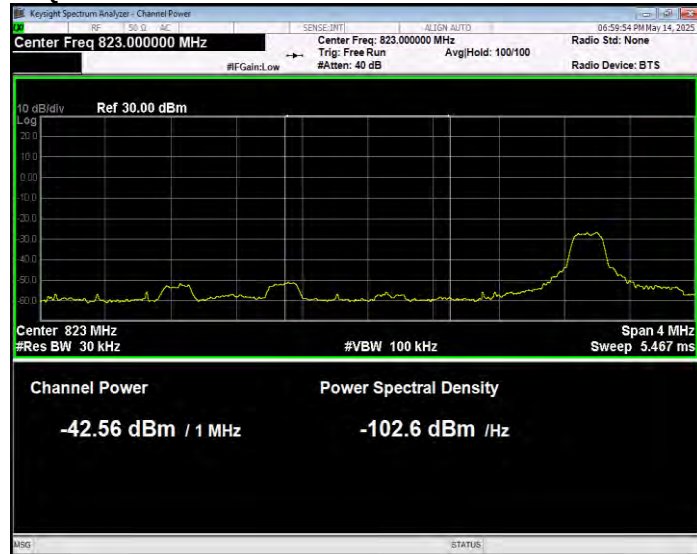
Band5 QPSK BW=3MHz Channel=20635 RB Size=1 Position=#Max Extended



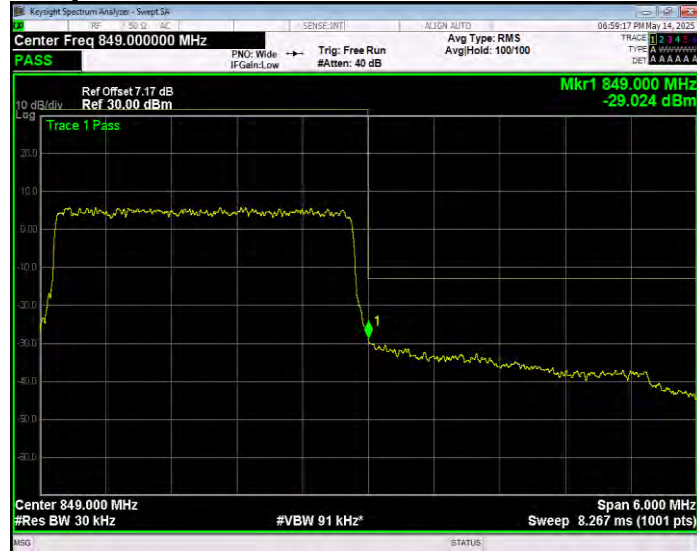
Band5 QPSK BW=5MHz Channel=20425 RB Size=1 Position=#0 Normal



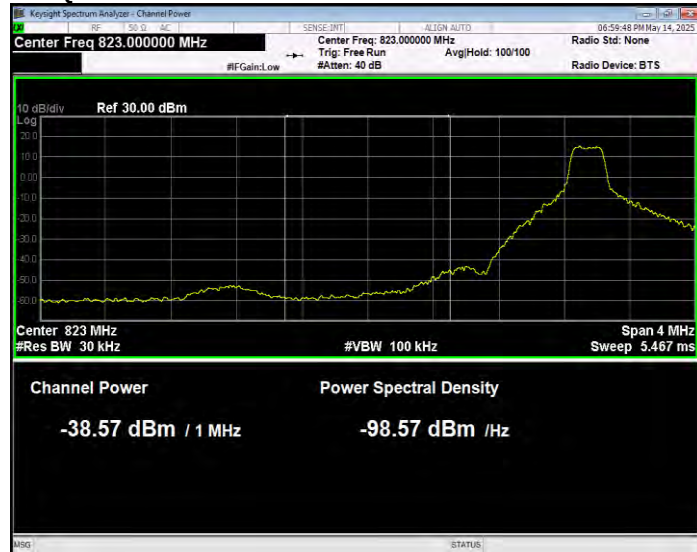
Band5 QPSK BW=5MHz Channel=20425 RB Size=1 Position=#Max Extended



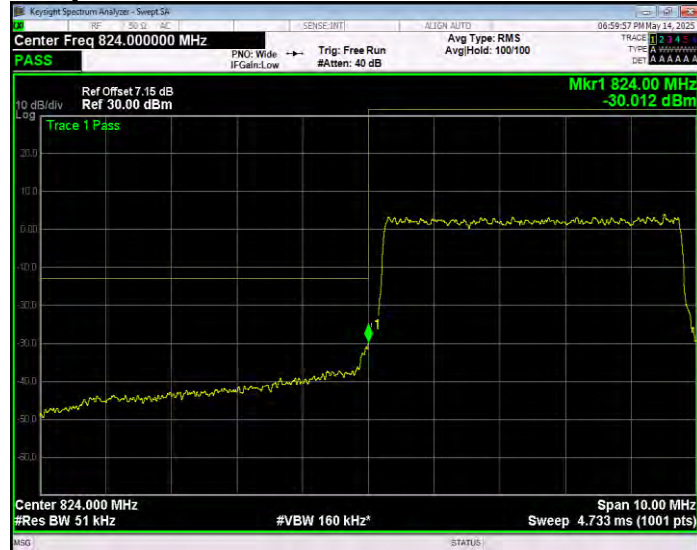
Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0 Normal



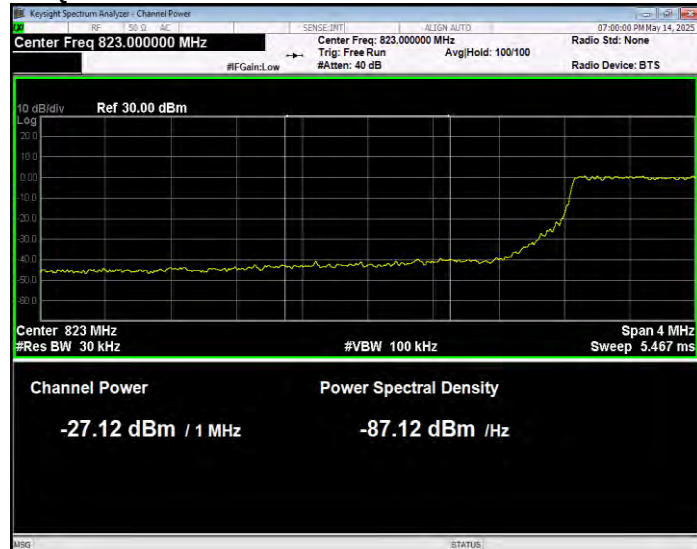
Band5 QPSK BW=5MHz Channel=20425 RB Size=1 Position=#0 Extended



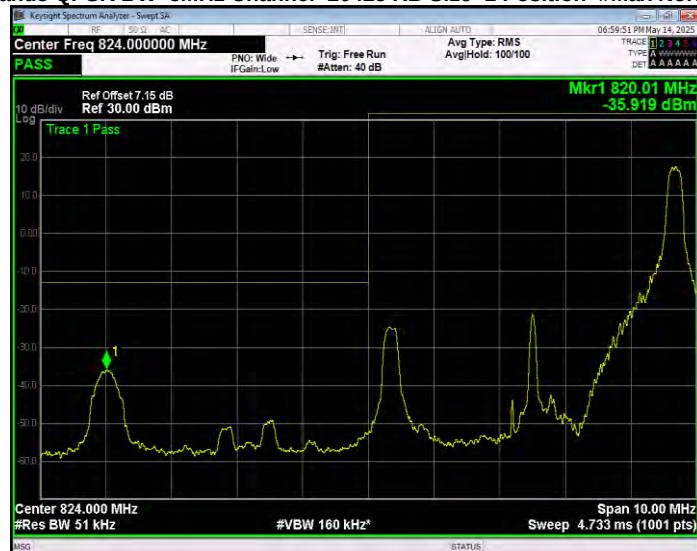
Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0 Normal



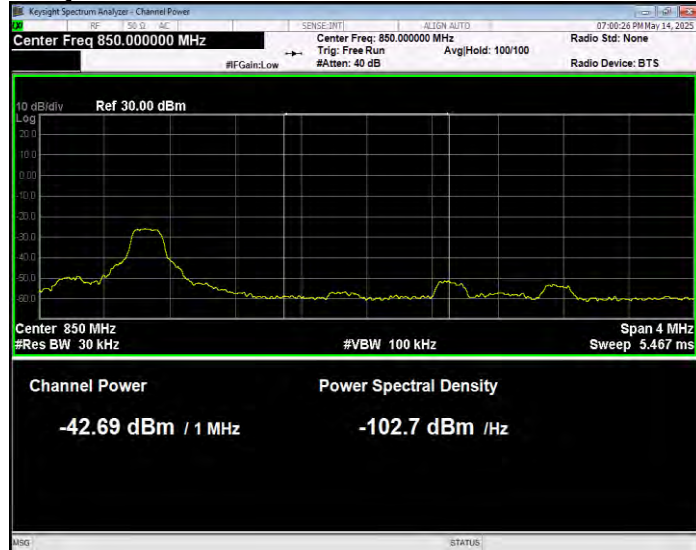
Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0 Extended



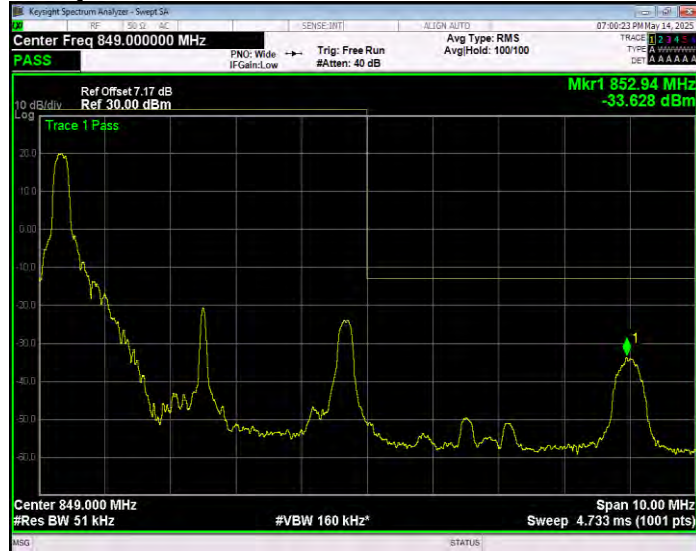
Band5 QPSK BW=5MHz Channel=20425 RB Size=1 Position=#Max Normal



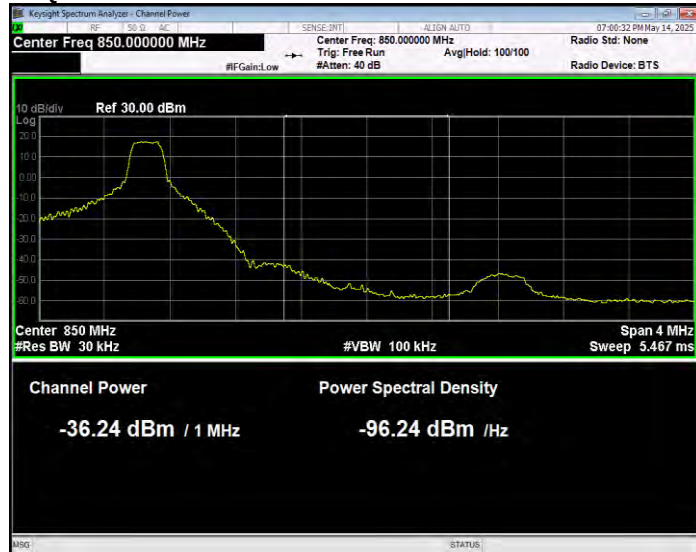
Band5 QPSK BW=5MHz Channel=20625 RB Size=1 Position=#0 Extended



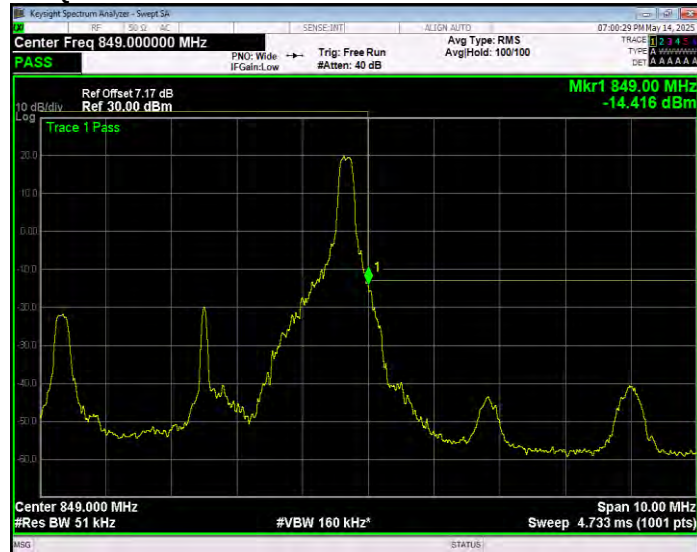
Band5 QPSK BW=5MHz Channel=20625 RB Size=1 Position=#0 Normal



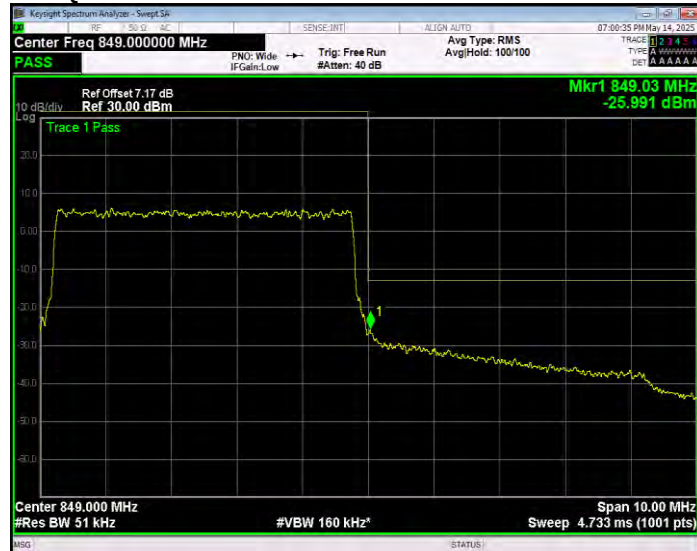
Band5 QPSK BW=5MHz Channel=20625 RB Size=1 Position=#Max Extended



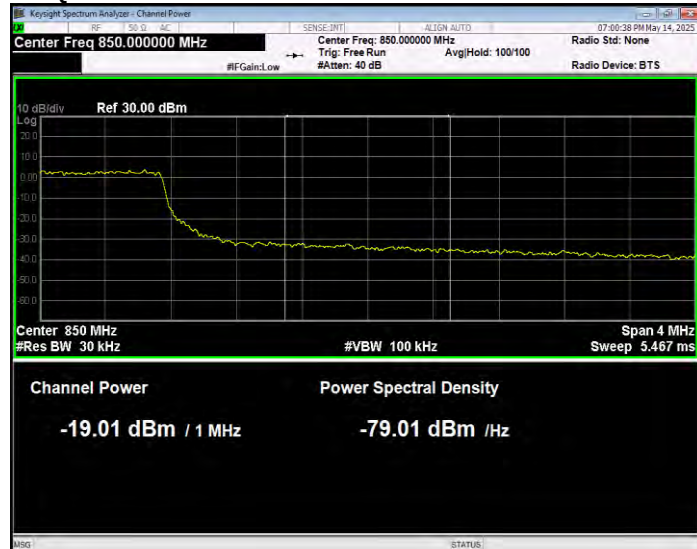
Band5 QPSK BW=5MHz Channel=20625 RB Size=1 Position=#Max Normal



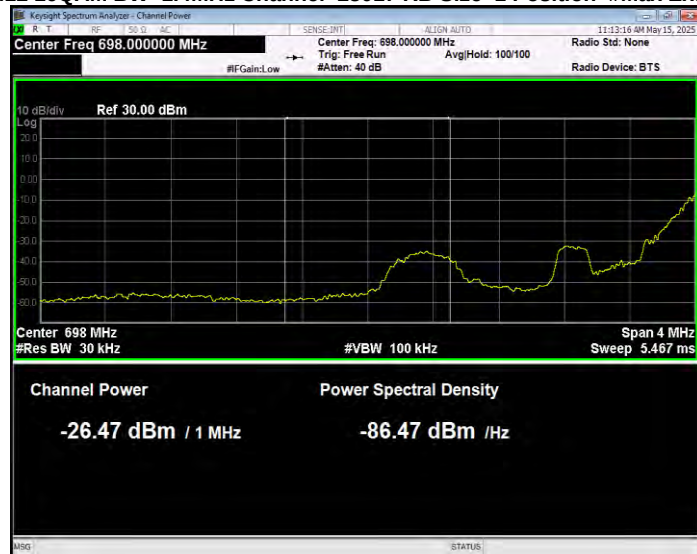
Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0 Normal



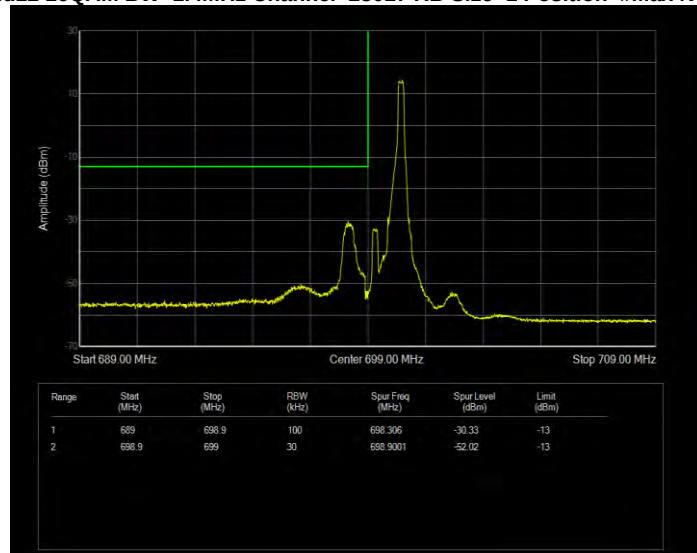
Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0 Extended



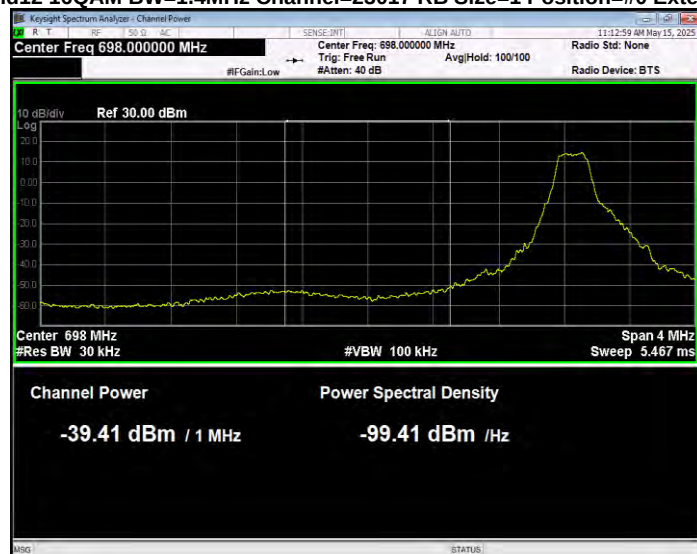
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=1 Position=#Max Extended



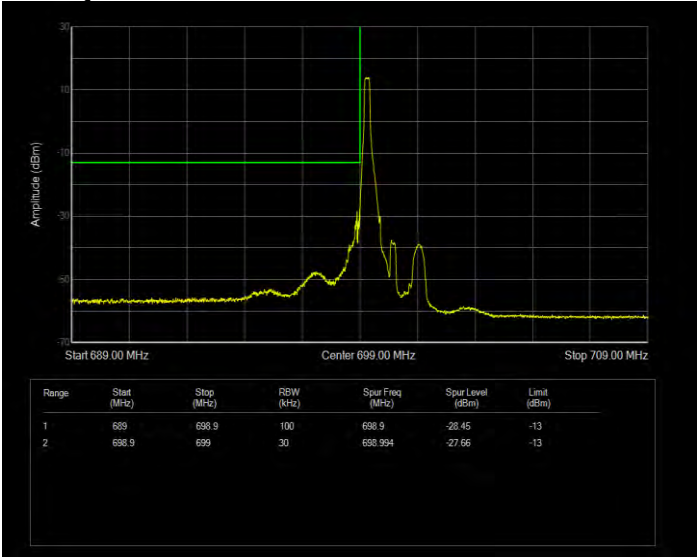
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=1 Position=#Max Normal



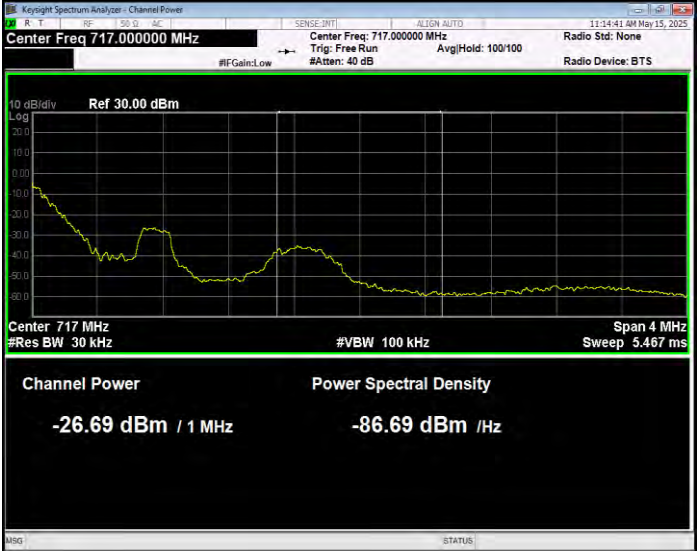
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=1 Position=#0 Extended



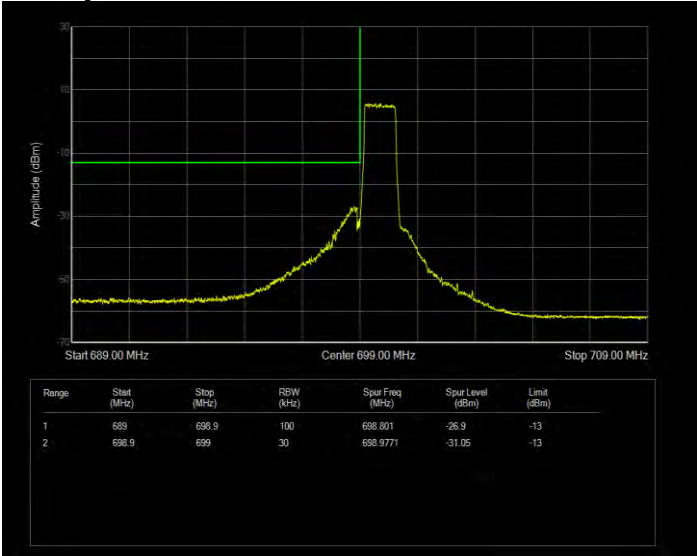
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=1 Position=#0 Normal



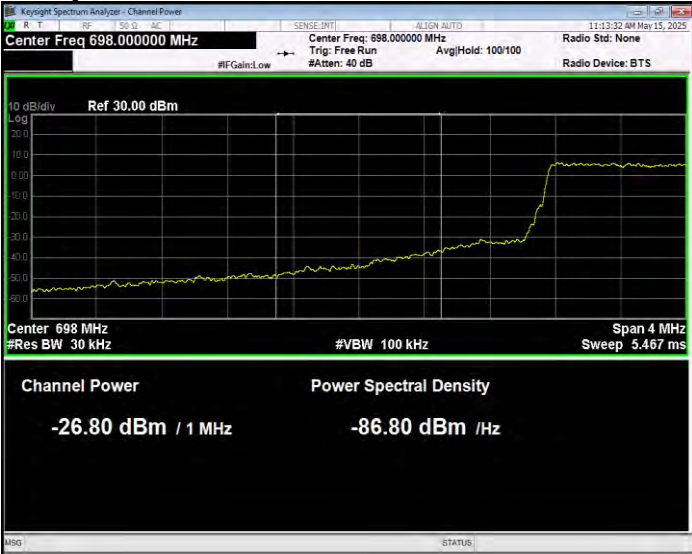
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=1 Position=#0 Extended



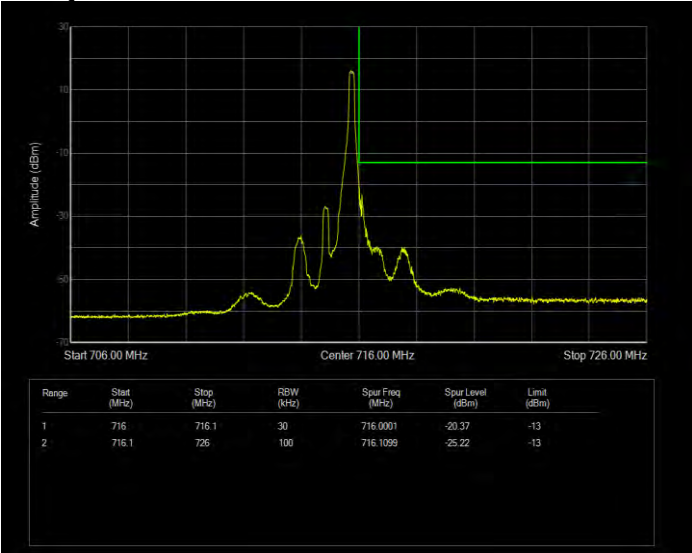
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0 Normal



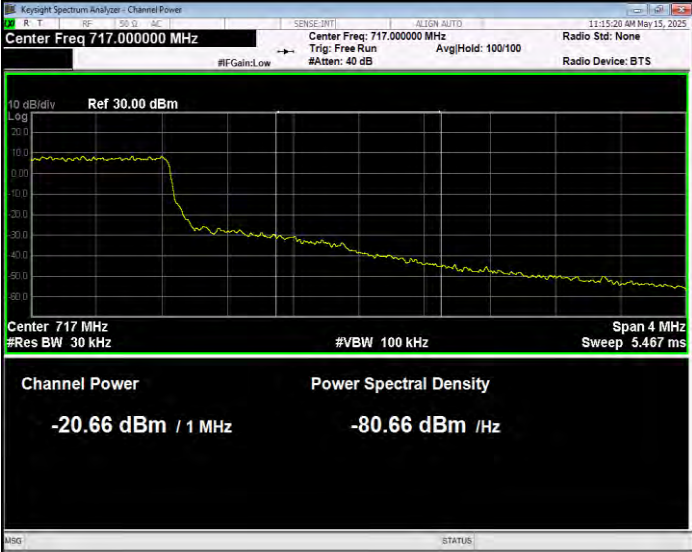
Band12 16QAM BW=1.4MHz Channel=23017 RB Size=6 Position=#0 Extended



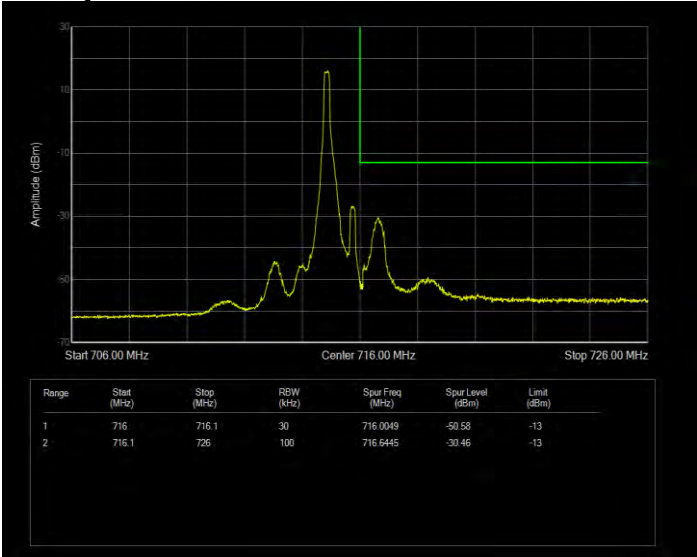
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=1 Position=#Max Normal



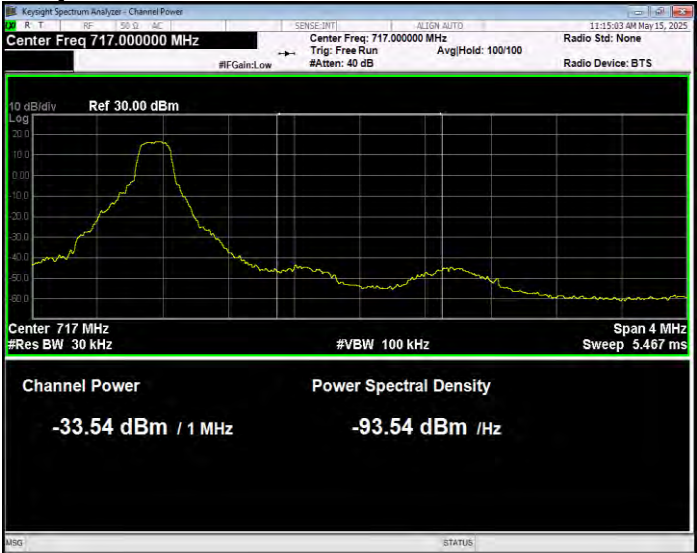
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0 Extended



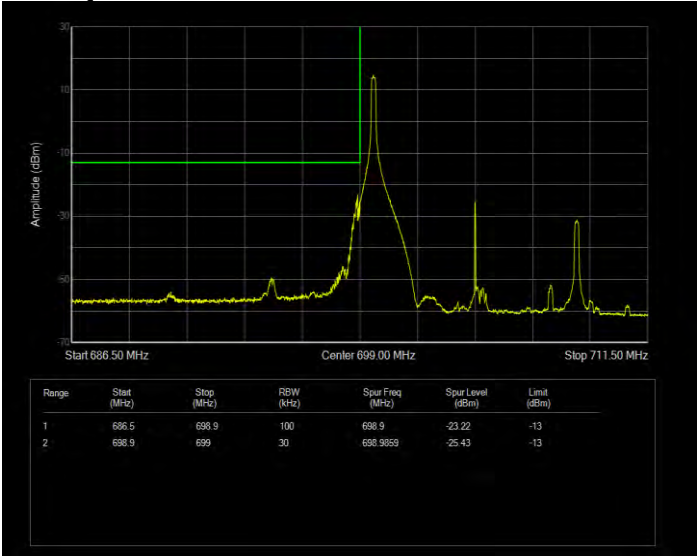
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=1 Position=#0 Normal



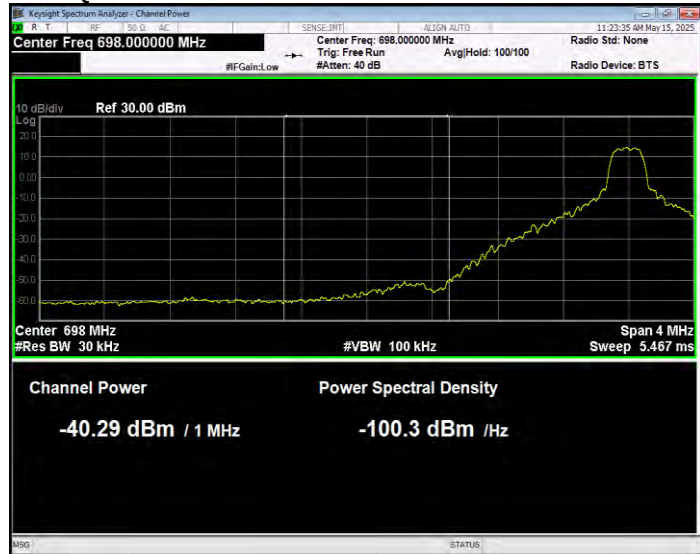
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=1 Position=#Max Extended



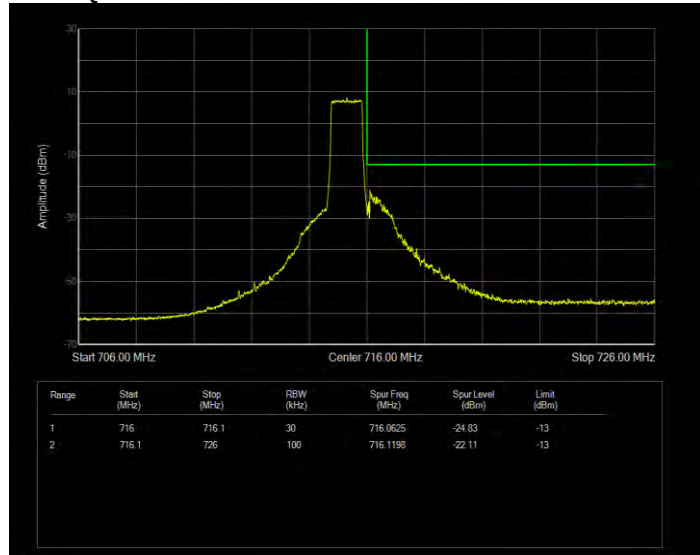
Band12 16QAM BW=10MHz Channel=23060 RB Size=1 Position=#0 Normal



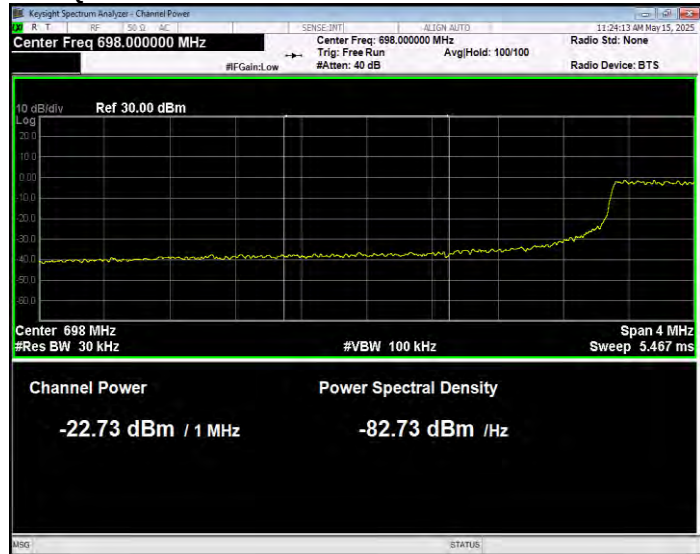
Band12 16QAM BW=10MHz Channel=23060 RB Size=1 Position=#0 Extended



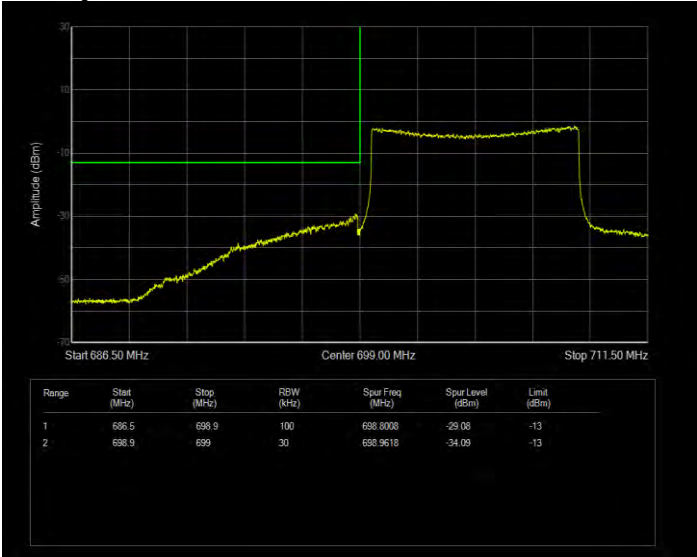
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=6 Position=#0 Normal



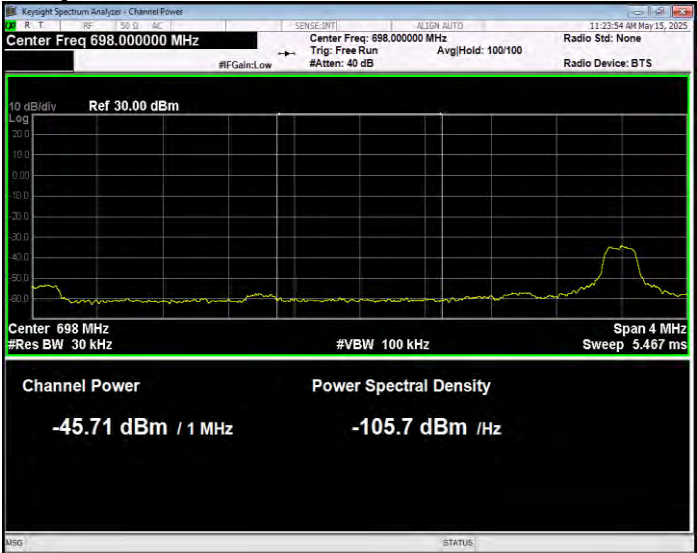
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0 Extended



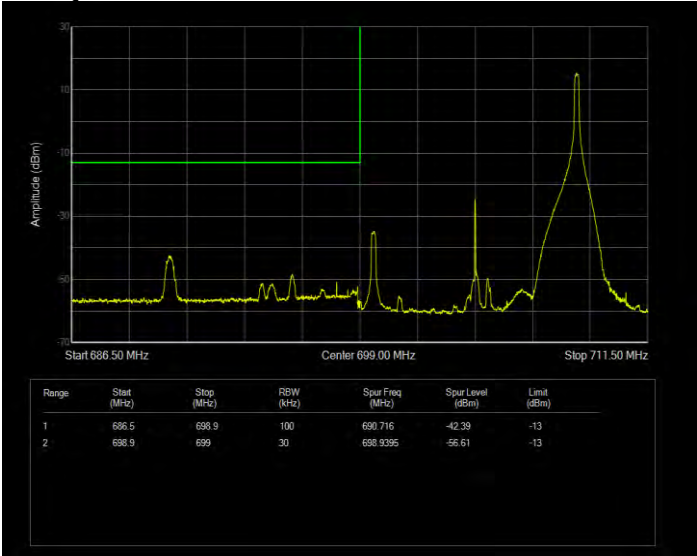
Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0 Normal



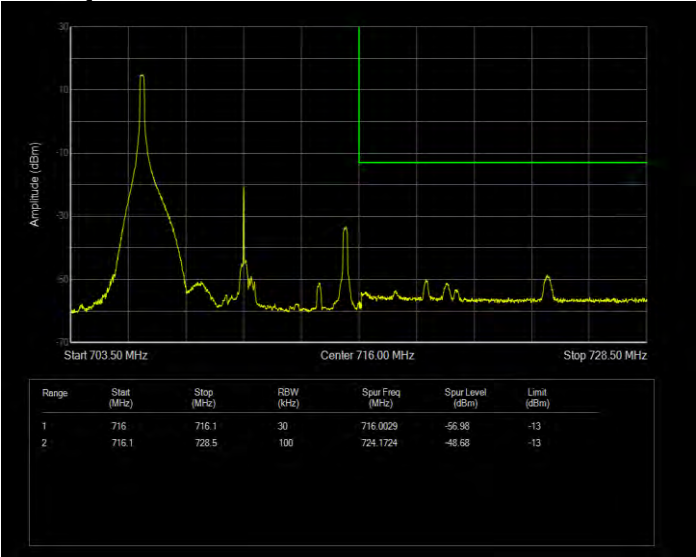
Band12 16QAM BW=10MHz Channel=23060 RB Size=1 Position=#Max Extended



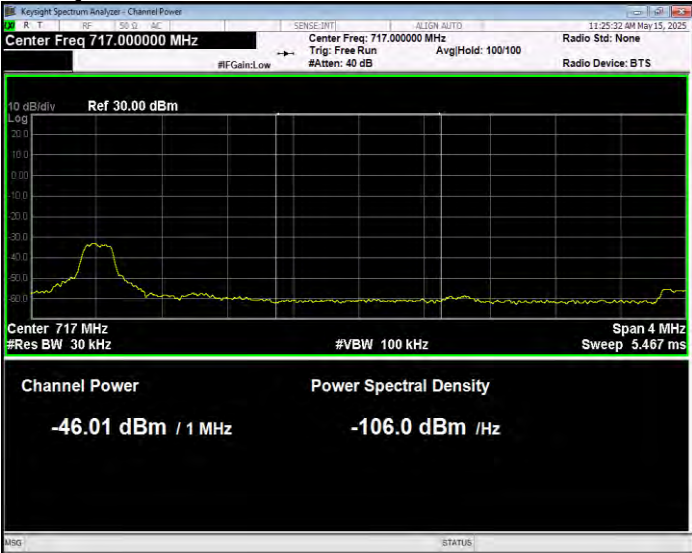
Band12 16QAM BW=10MHz Channel=23060 RB Size=1 Position=#Max Normal



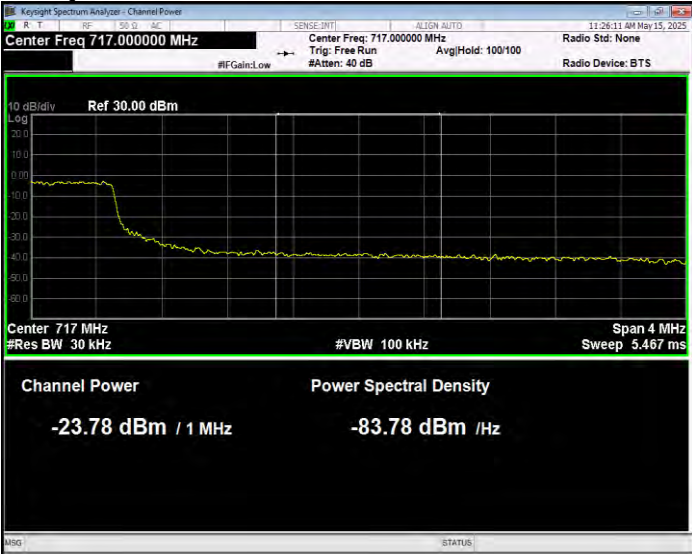
Band12 16QAM BW=10MHz Channel=23130 RB Size=1 Position=#0 Normal



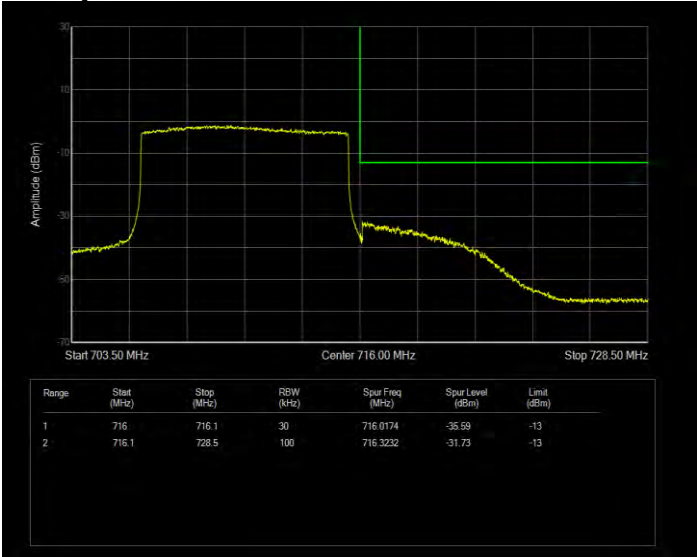
Band12 16QAM BW=10MHz Channel=23130 RB Size=1 Position=#0 Extended



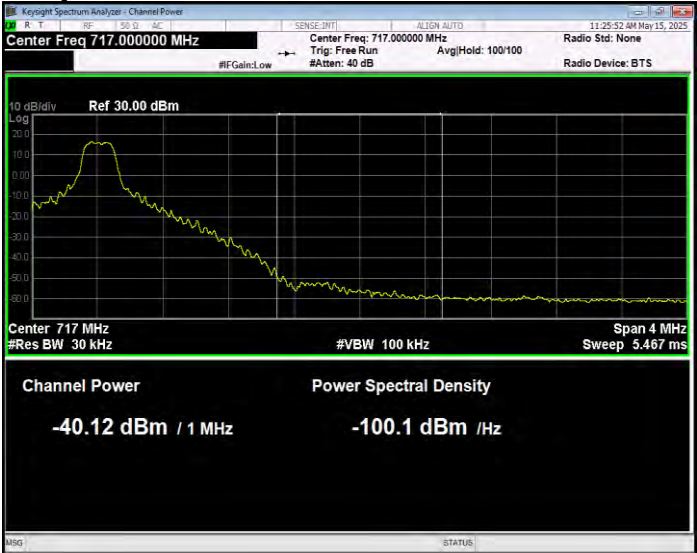
Band12 16QAM BW=10MHz Channel=23130 RB Size=50 Position=#0 Extended



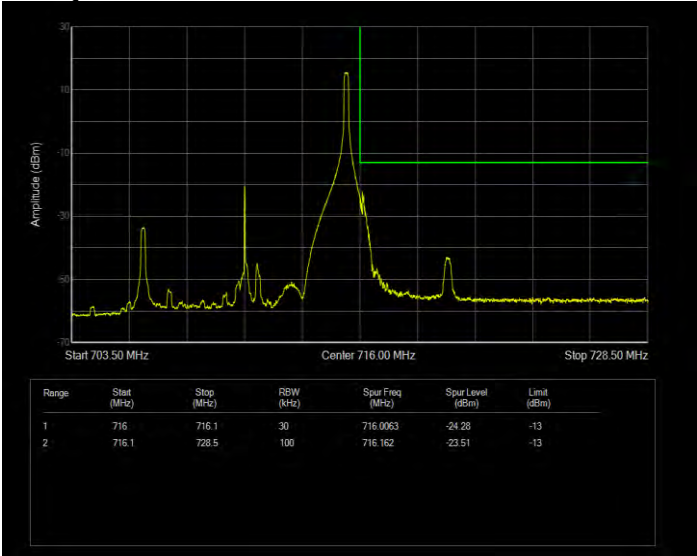
Band12 16QAM BW=10MHz Channel=23130 RB Size=50 Position=#0 Normal



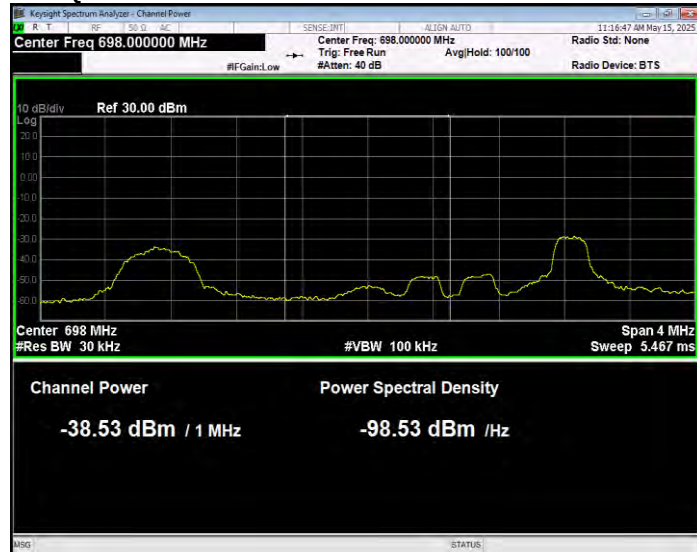
Band12 16QAM BW=10MHz Channel=23130 RB Size=1 Position=#Max Extended



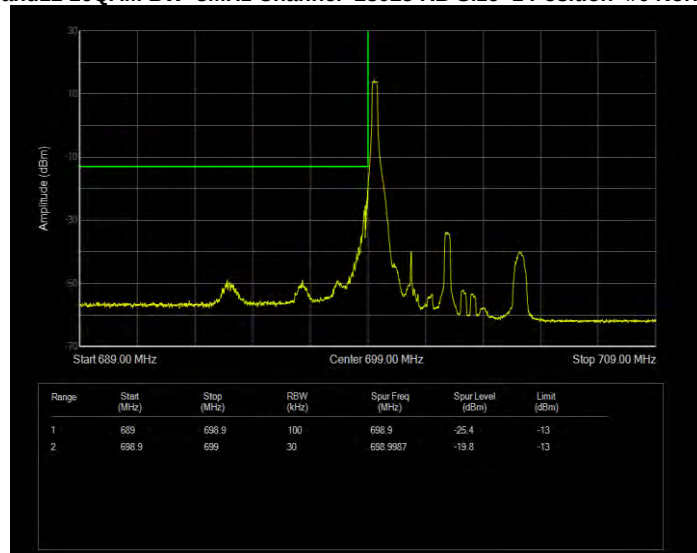
Band12 16QAM BW=10MHz Channel=23130 RB Size=1 Position=#Max Normal



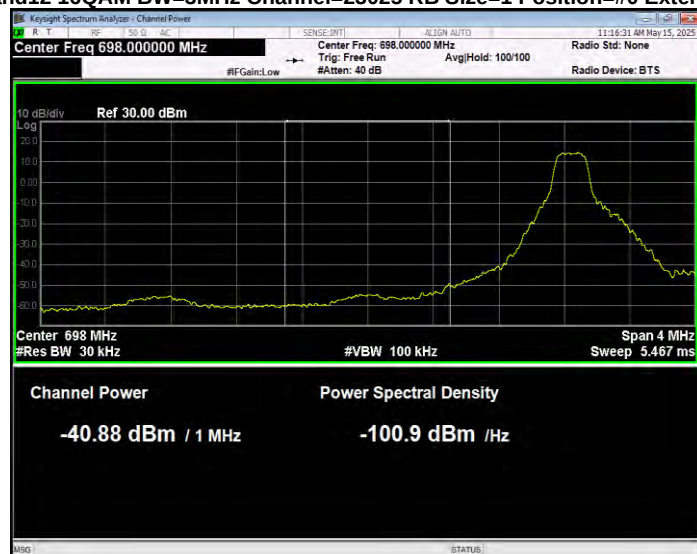
Band12 16QAM BW=3MHz Channel=23025 RB Size=1 Position=#Max Extended



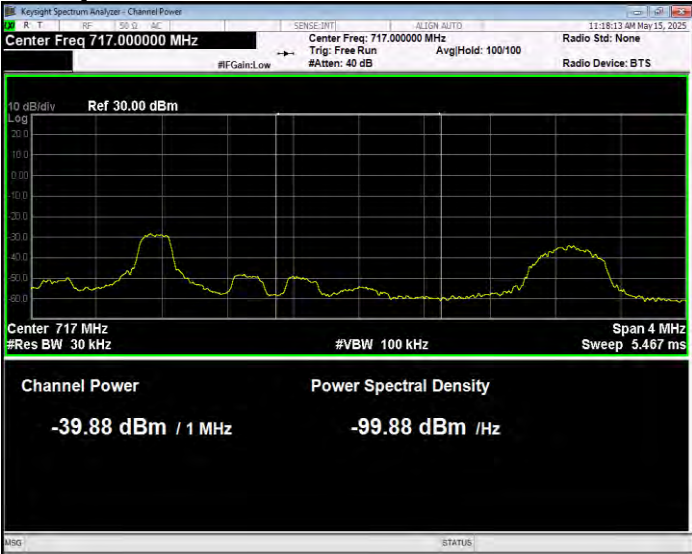
Band12 16QAM BW=3MHz Channel=23025 RB Size=1 Position=#0 Normal



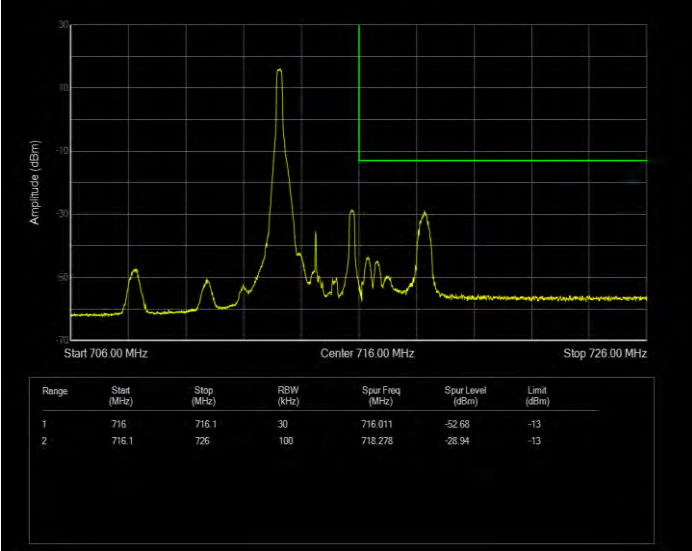
Band12 16QAM BW=3MHz Channel=23025 RB Size=1 Position=#0 Extended



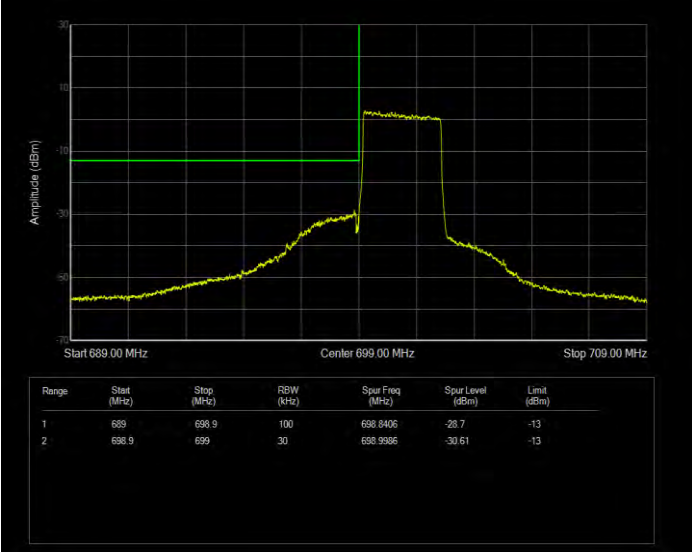
Band12 16QAM BW=3MHz Channel=23165 RB Size=1 Position=#0 Extended



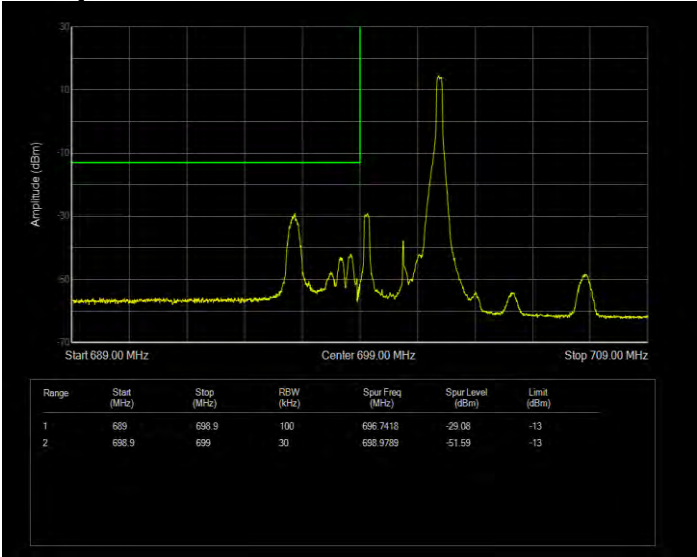
Band12 16QAM BW=3MHz Channel=23165 RB Size=1 Position=#0 Normal



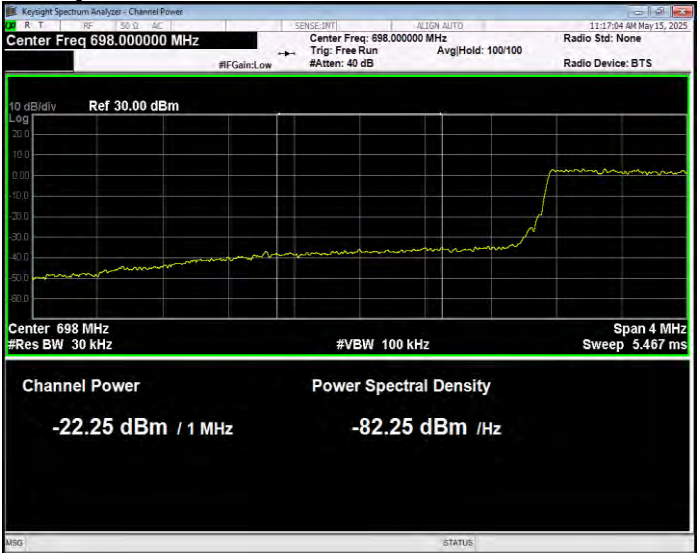
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0 Normal



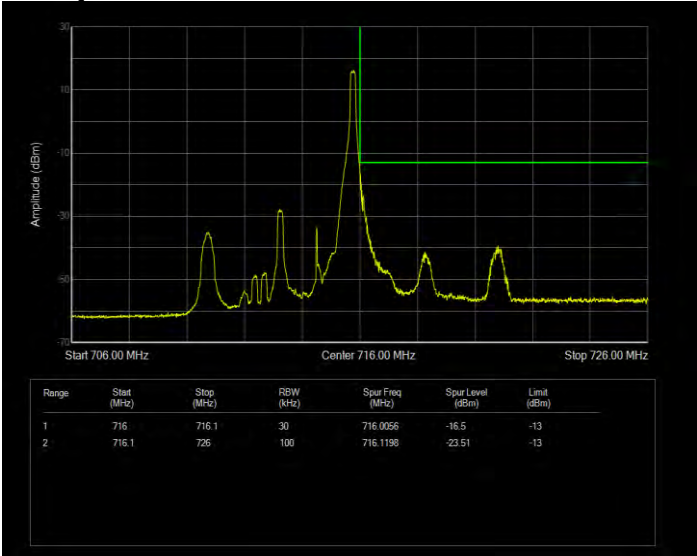
Band12 16QAM BW=3MHz Channel=23025 RB Size=1 Position=#Max Normal



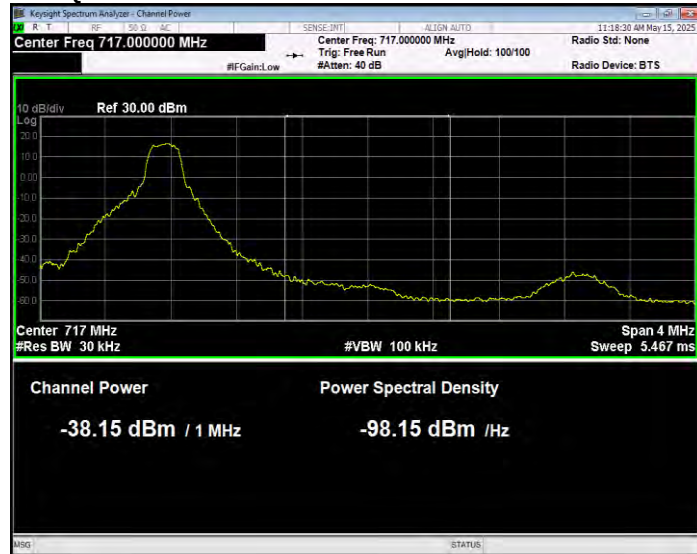
Band12 16QAM BW=3MHz Channel=23025 RB Size=15 Position=#0 Extended



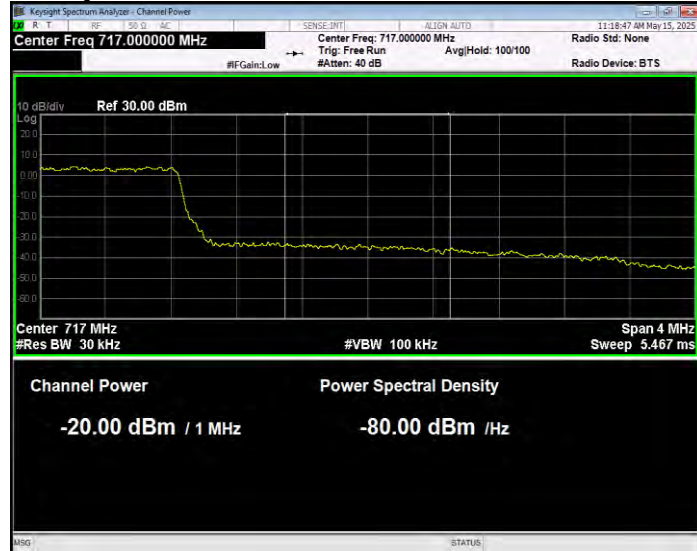
Band12 16QAM BW=3MHz Channel=23165 RB Size=1 Position=#Max Normal



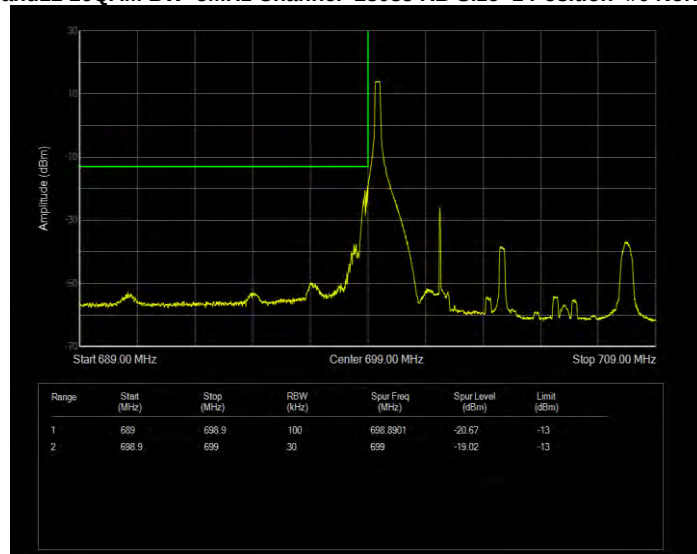
Band12 16QAM BW=3MHz Channel=23165 RB Size=1 Position=#Max Extended



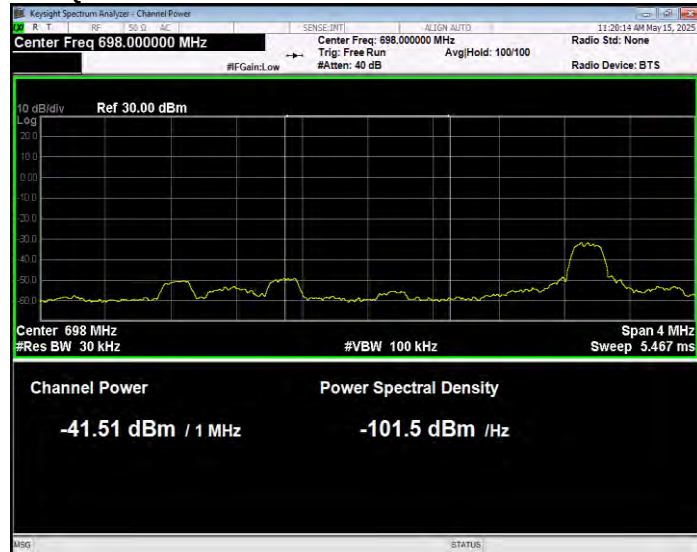
Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0 Extended



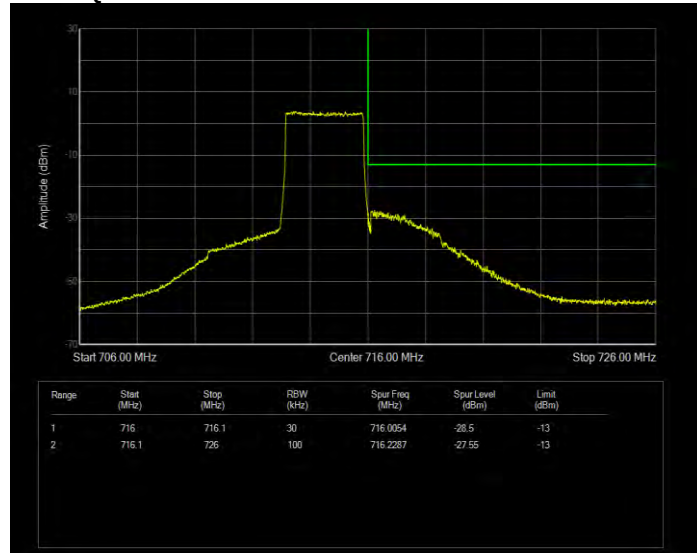
Band12 16QAM BW=5MHz Channel=23035 RB Size=1 Position=#0 Normal



Band12 16QAM BW=5MHz Channel=23035 RB Size=1 Position=#Max Extended



Band12 16QAM BW=3MHz Channel=23165 RB Size=15 Position=#0 Normal



Band12 16QAM BW=5MHz Channel=23035 RB Size=1 Position=#0 Extended

