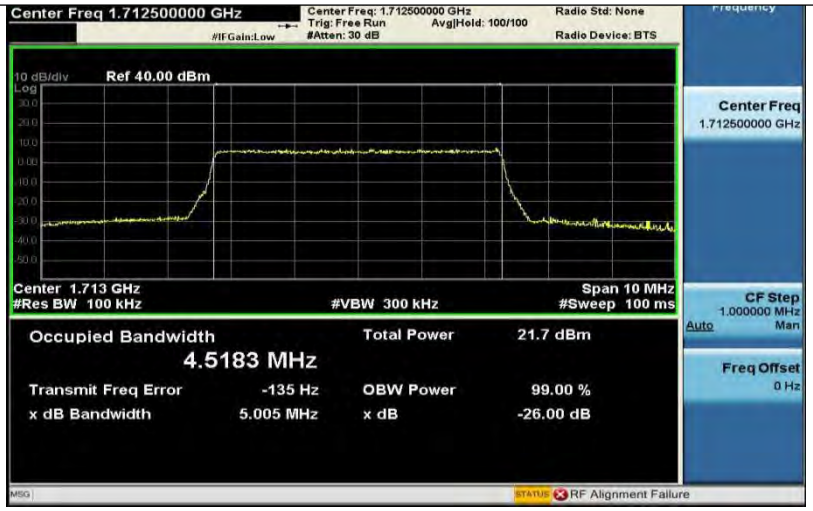

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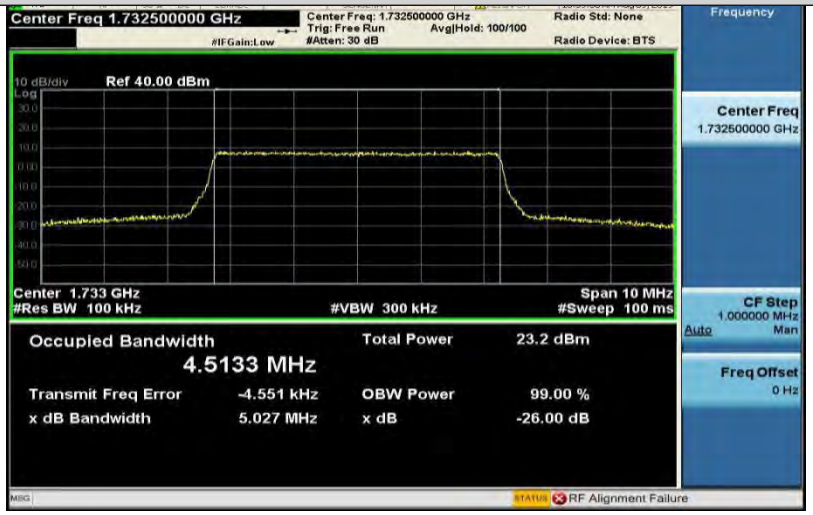

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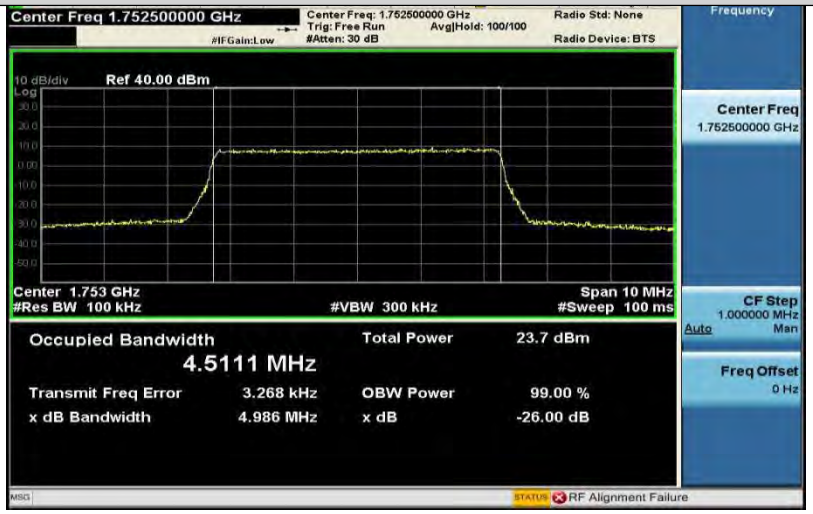

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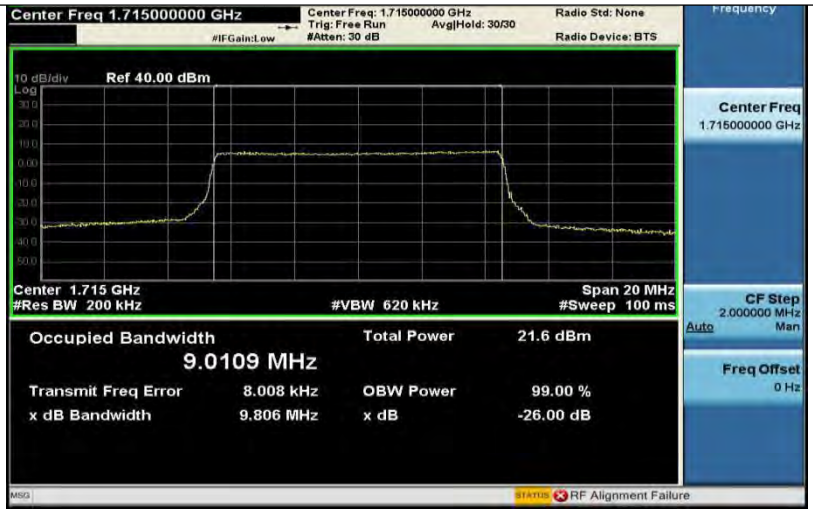

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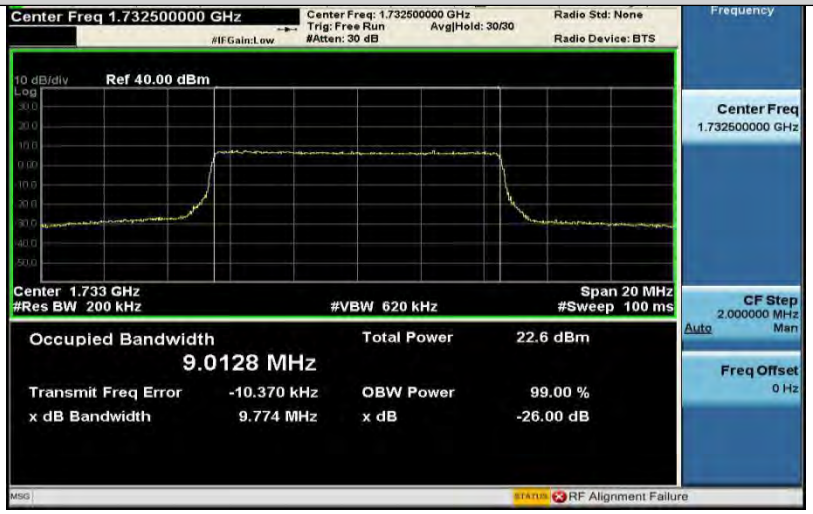

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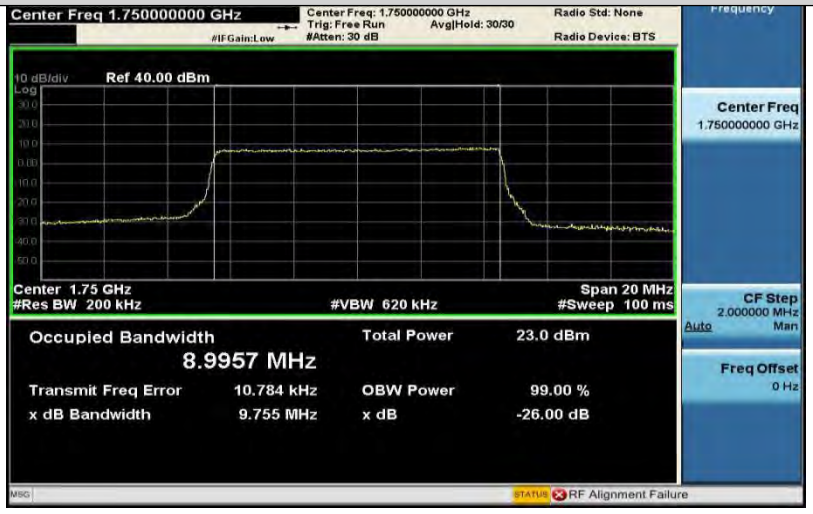

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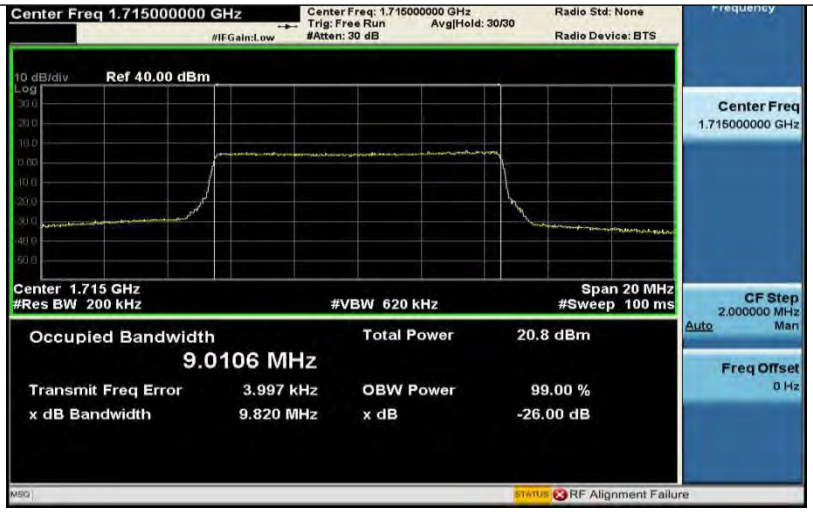

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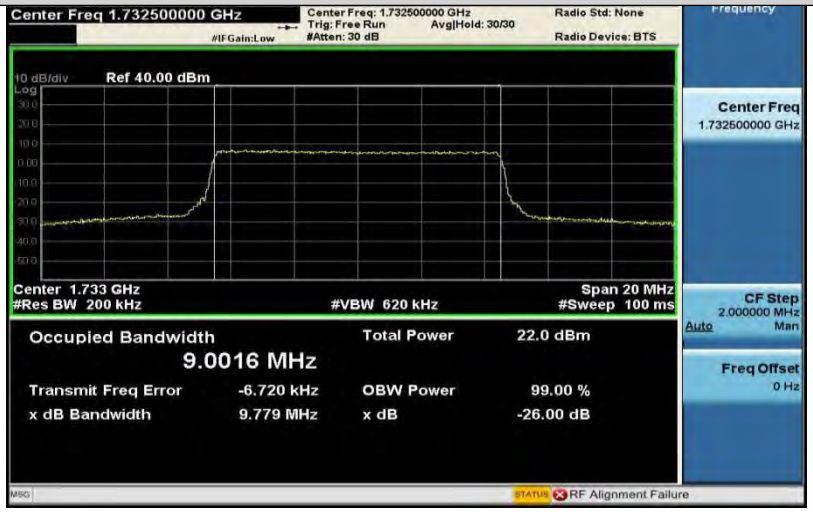

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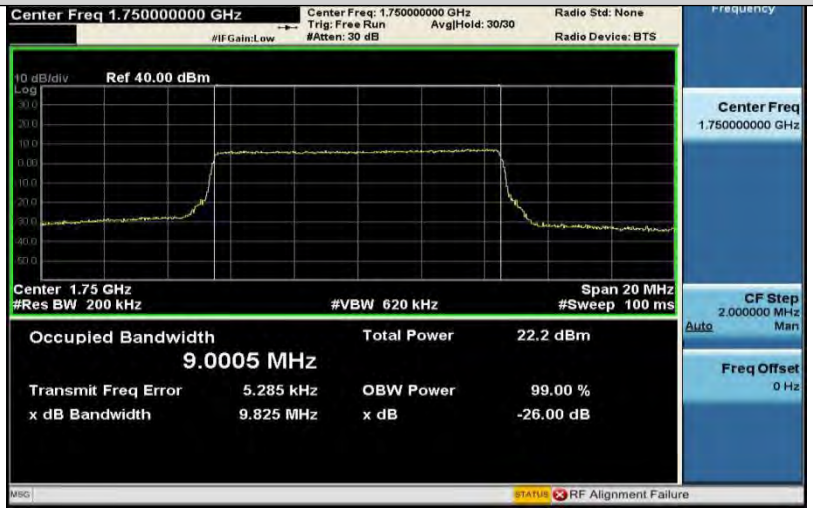

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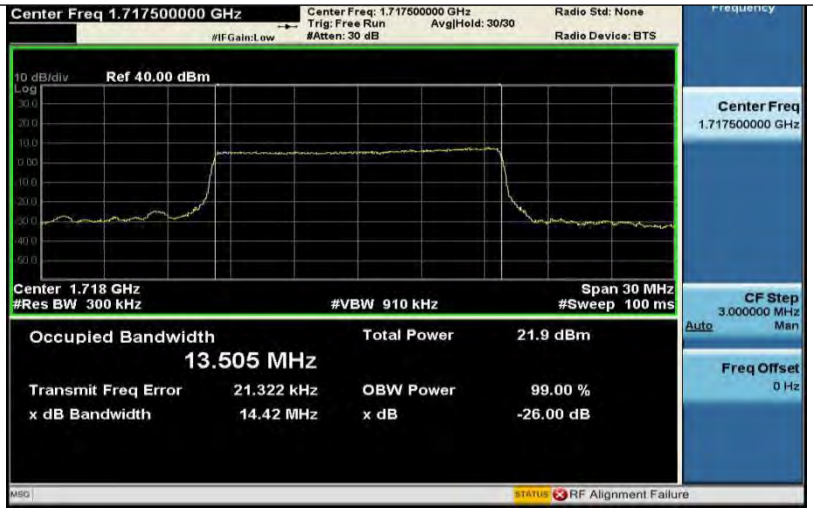

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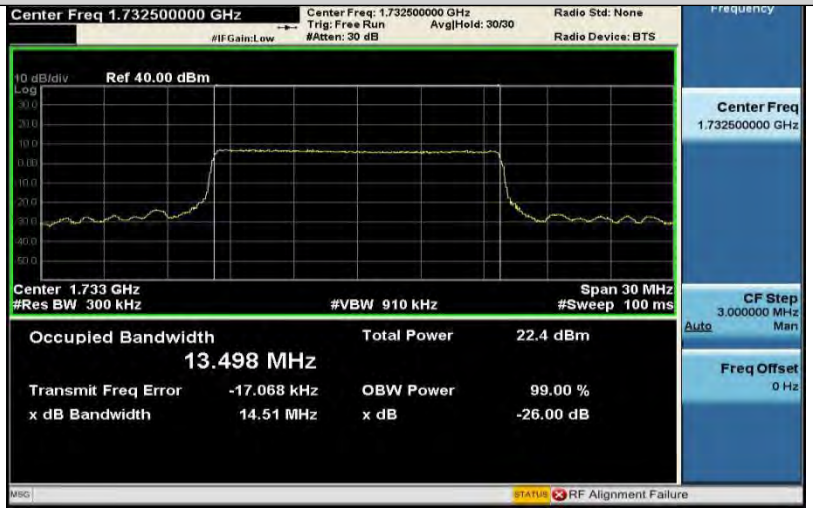

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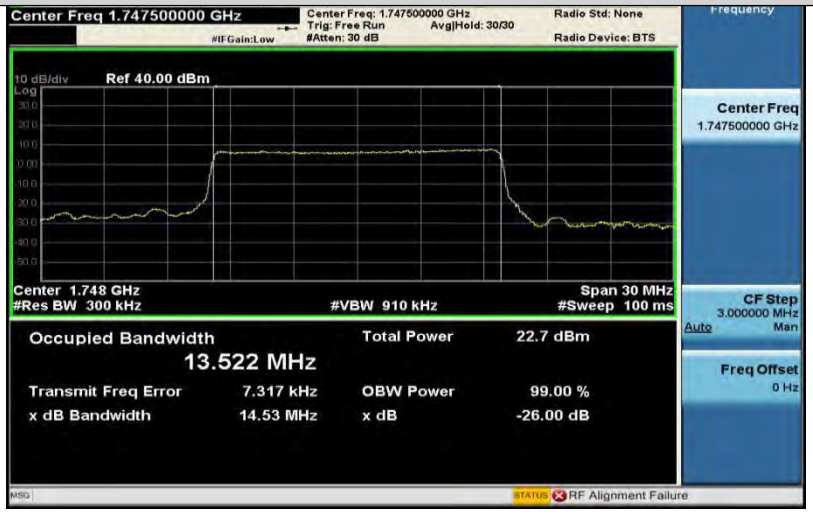

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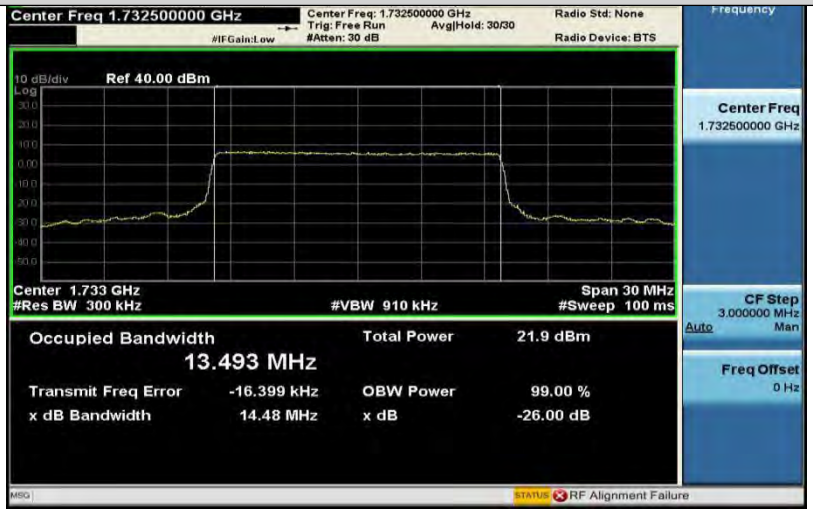
Band4-15MHz-16QAM-20175-75RB#0-13.493



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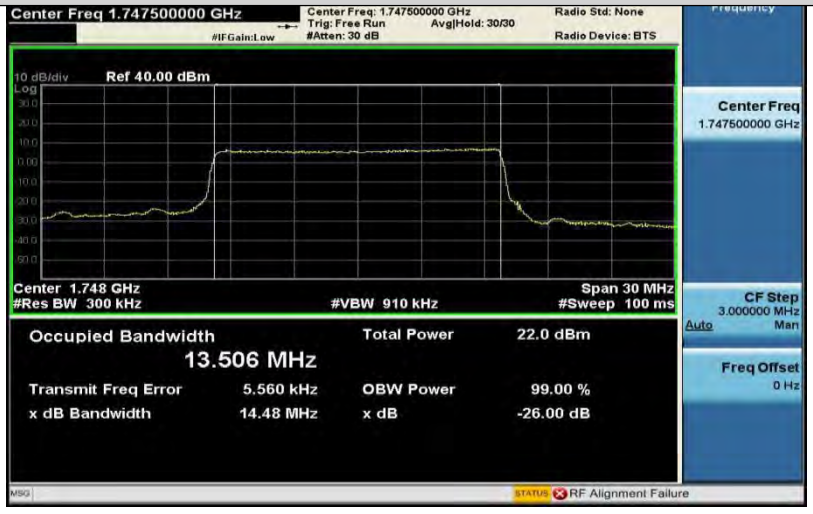

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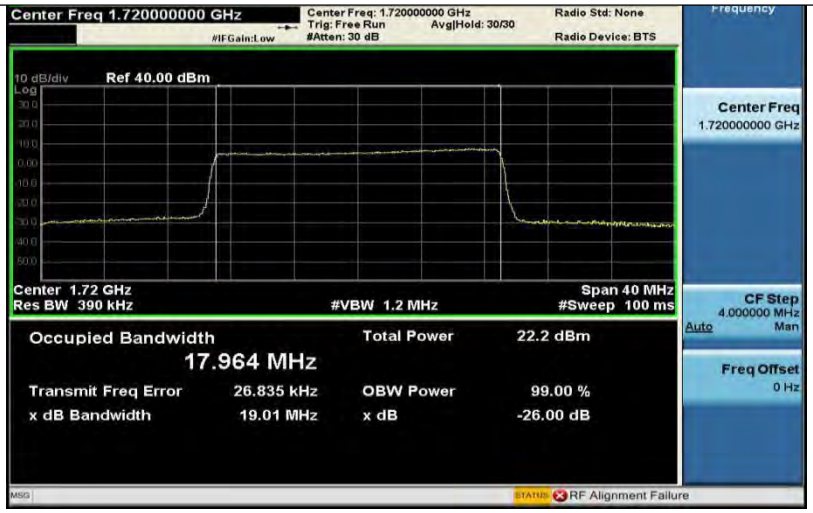

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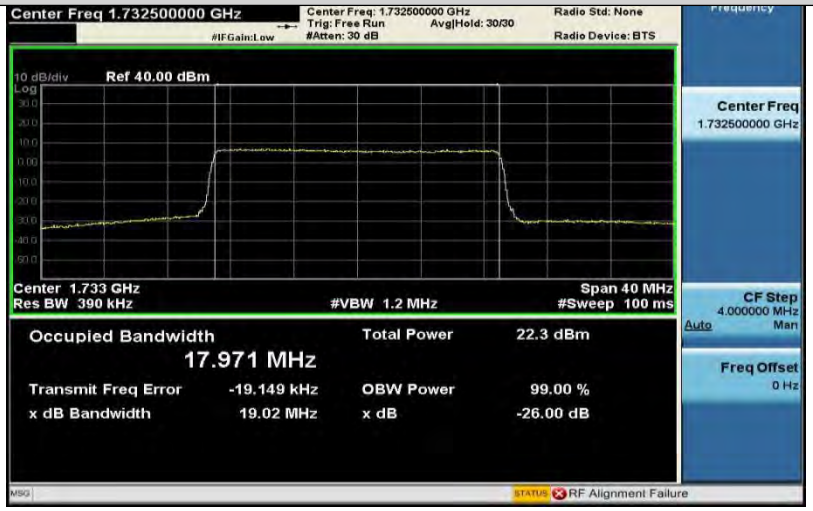

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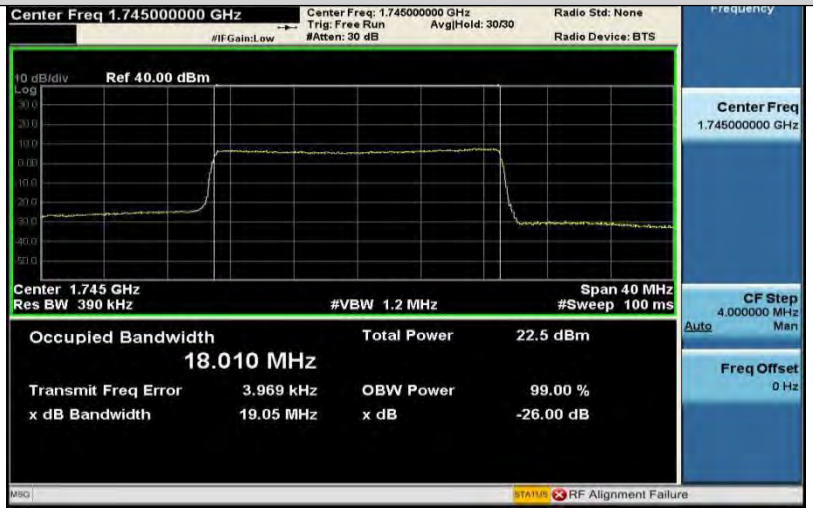

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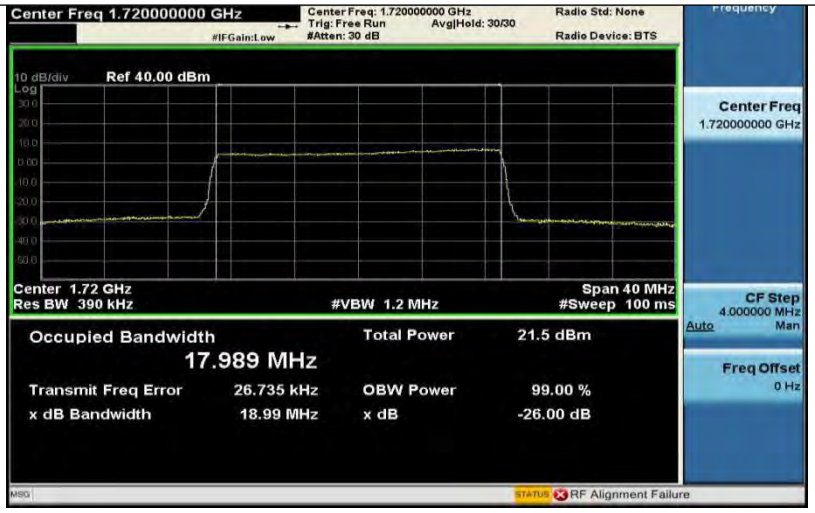

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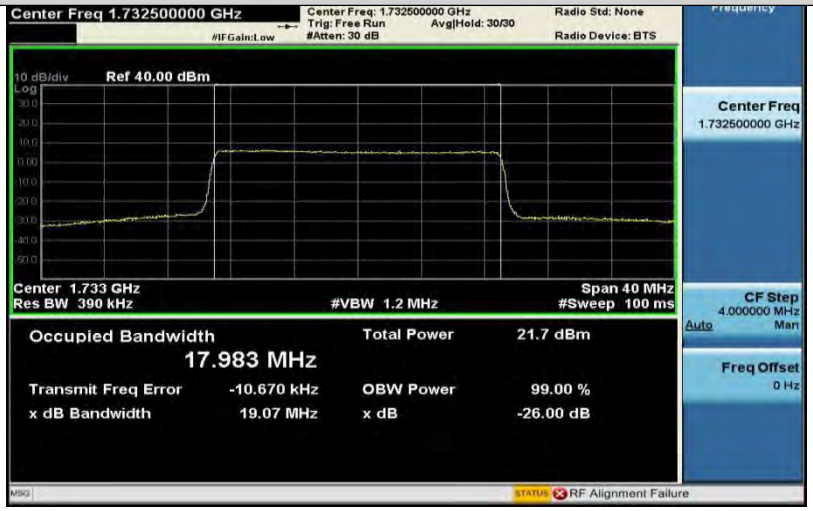

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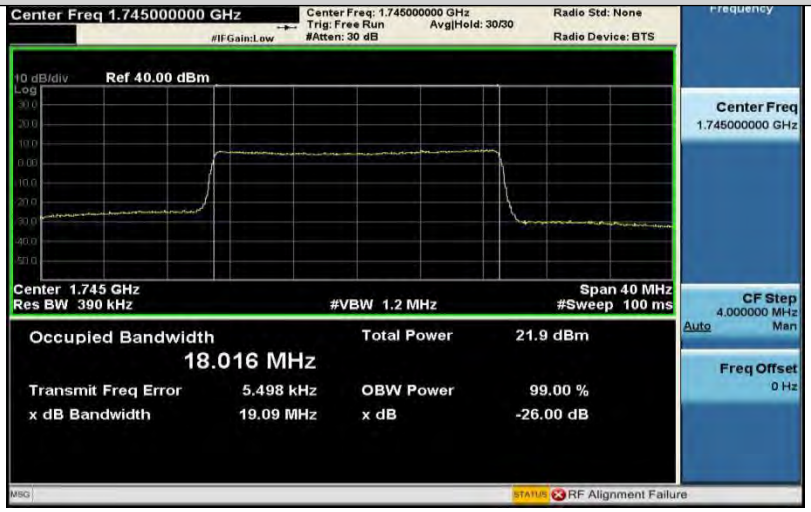

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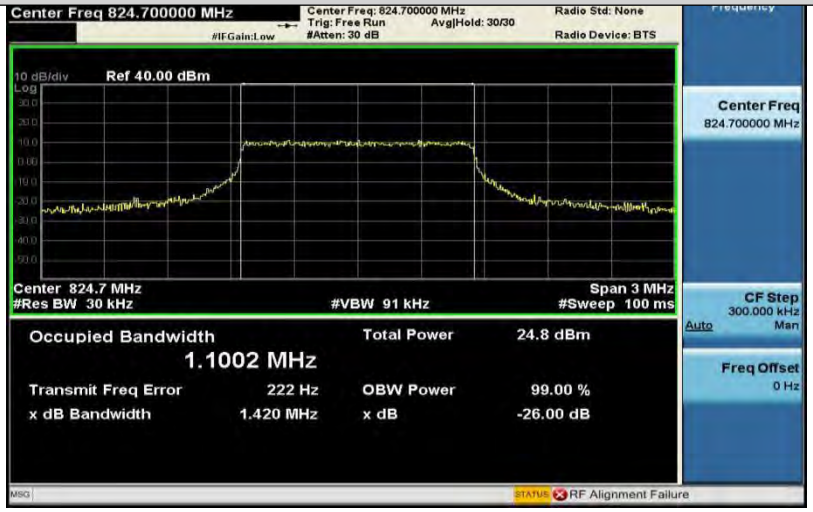

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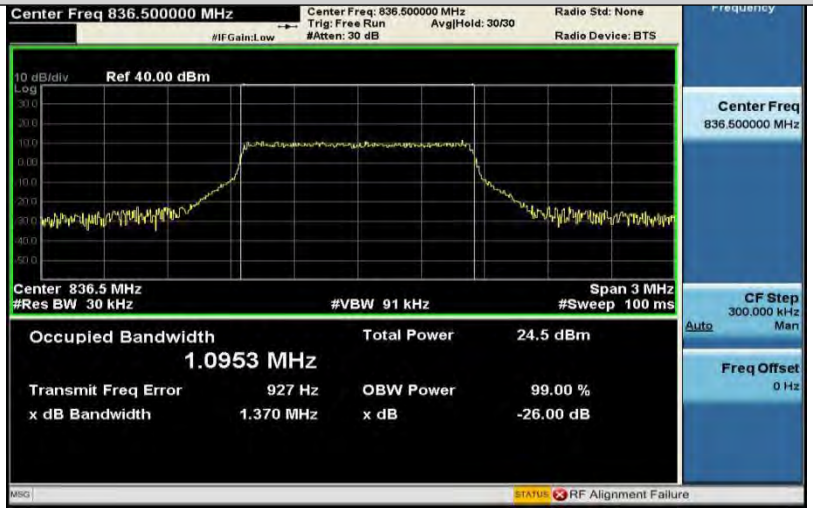

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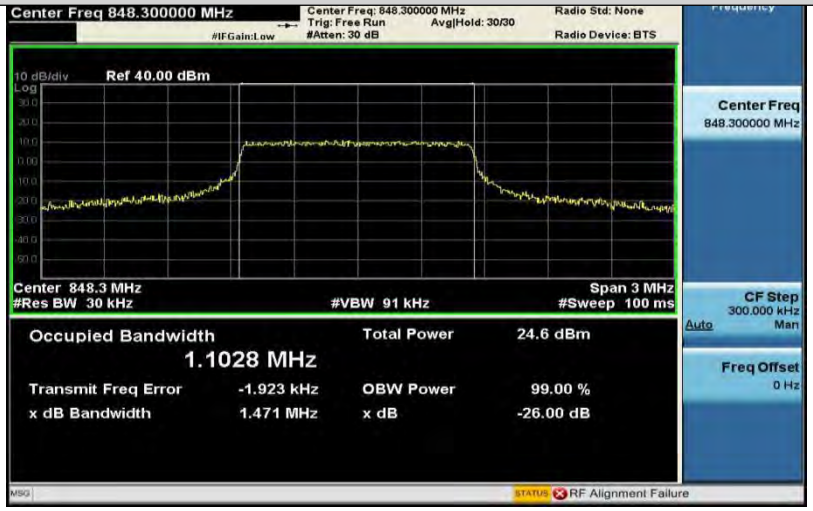

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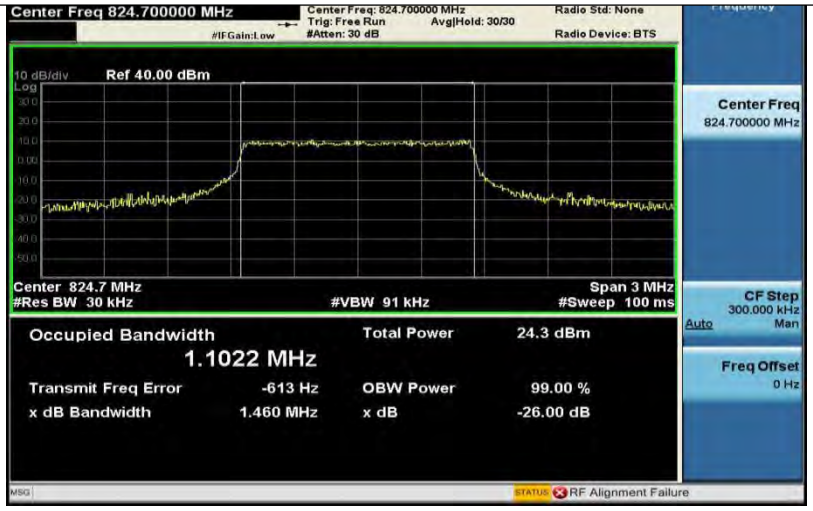

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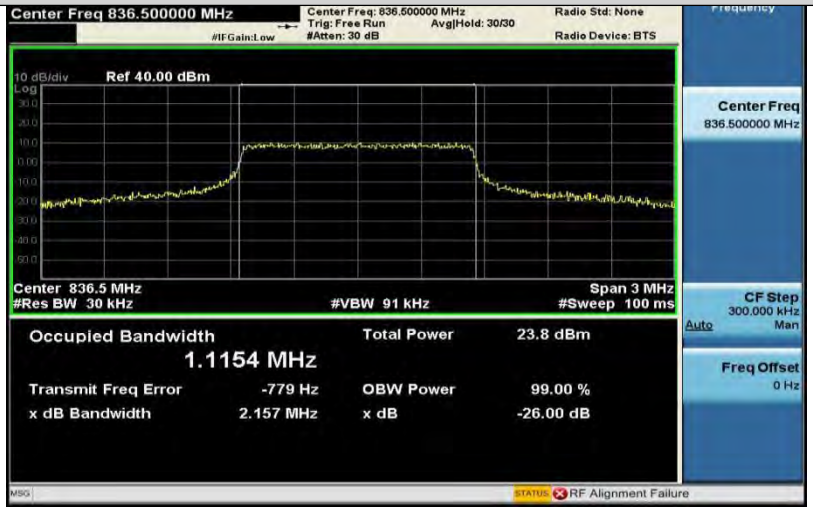

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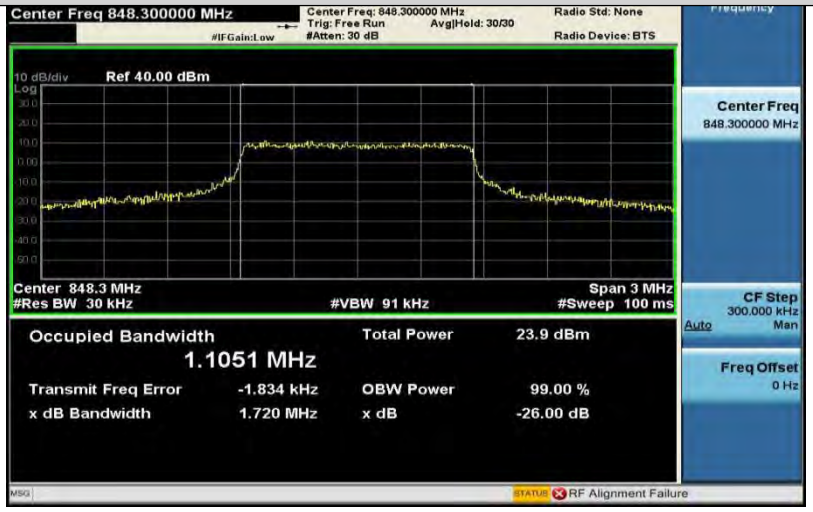

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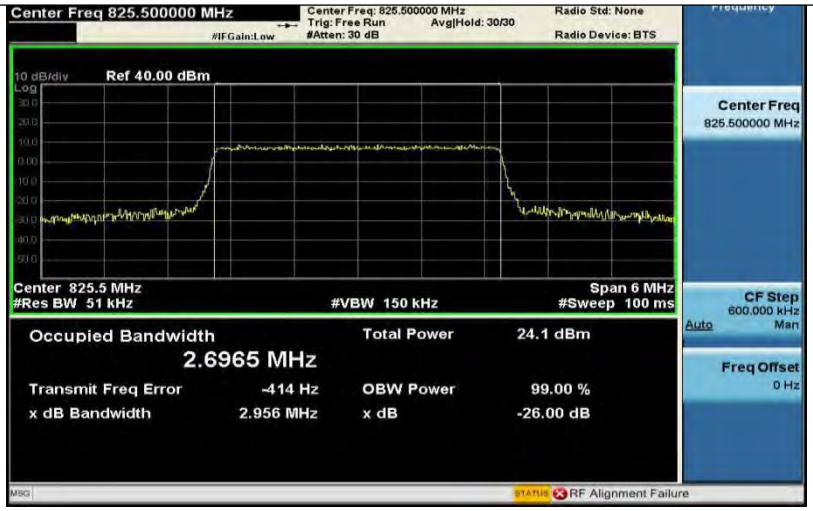

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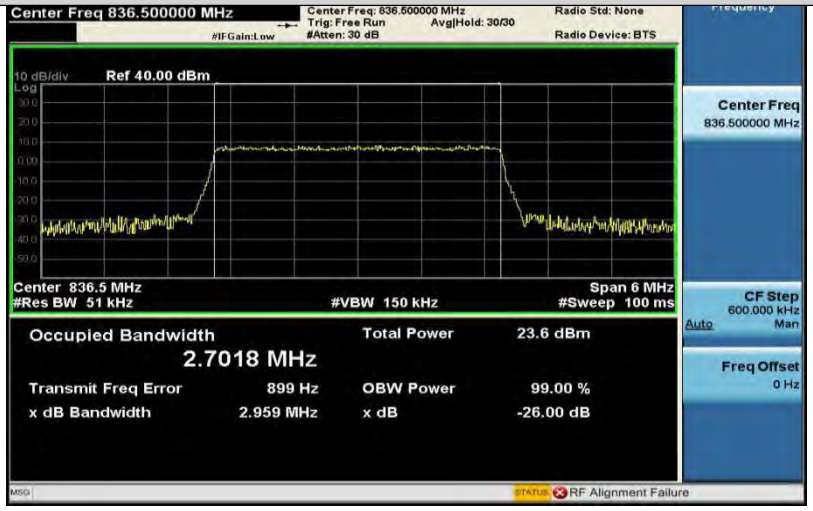

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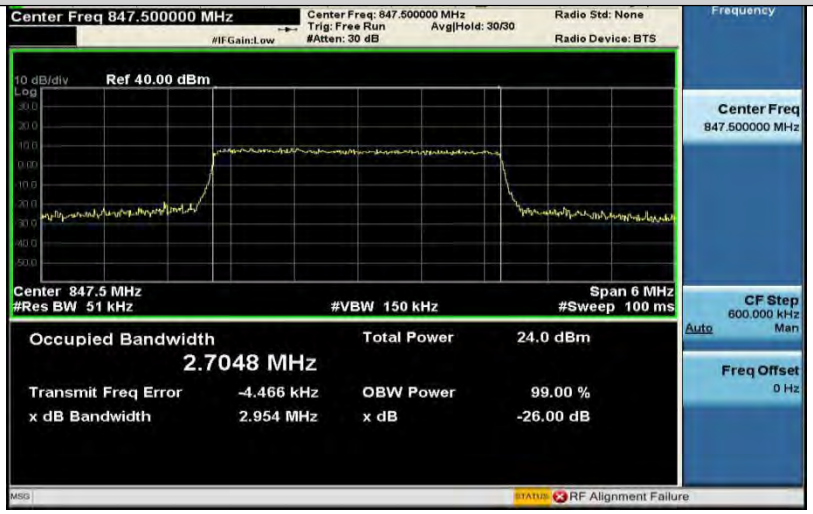

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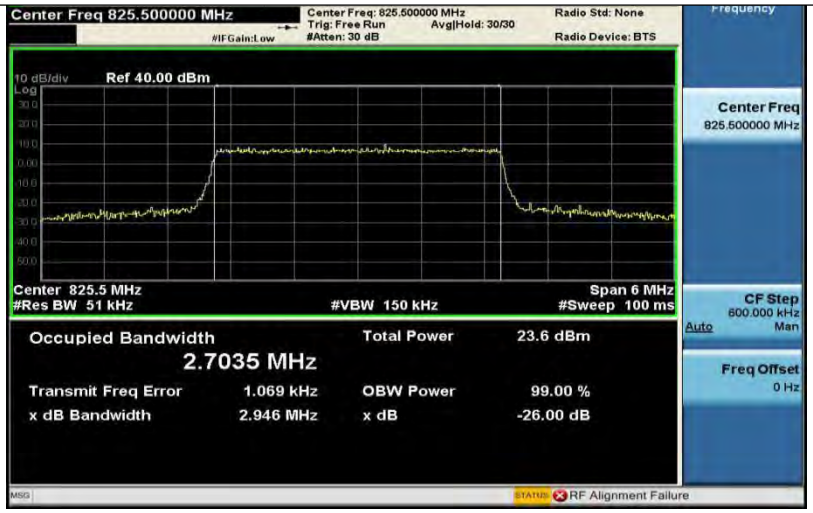

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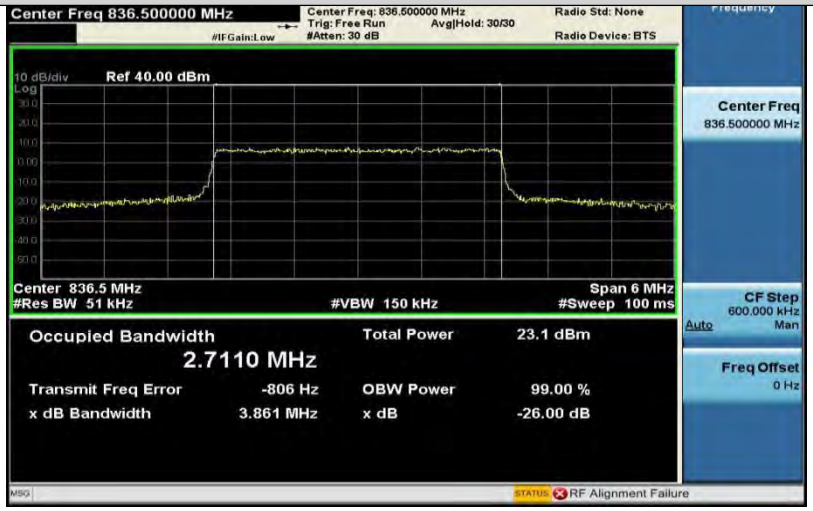

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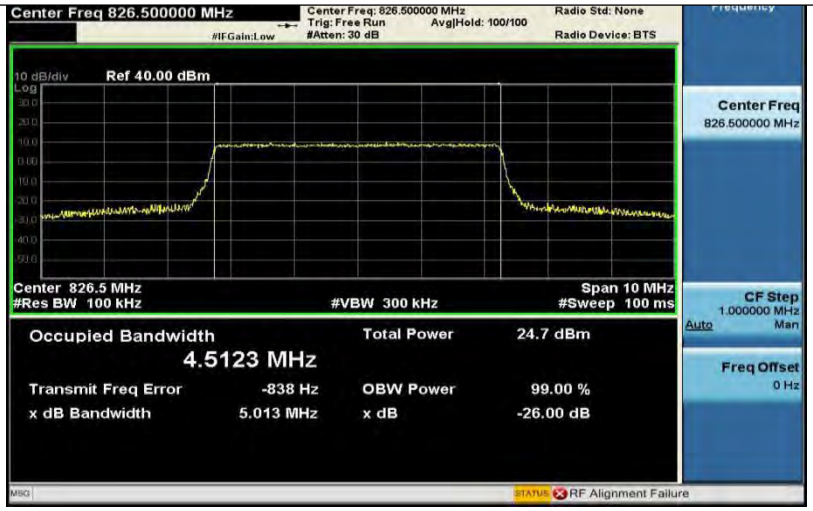

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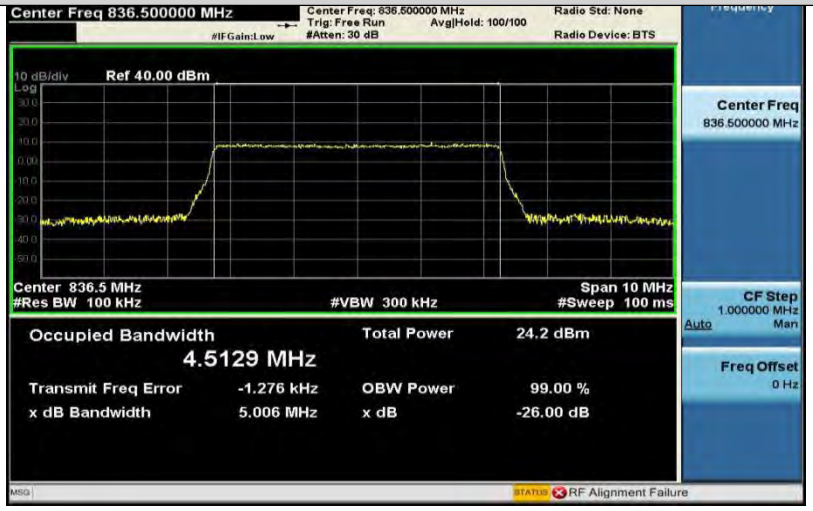

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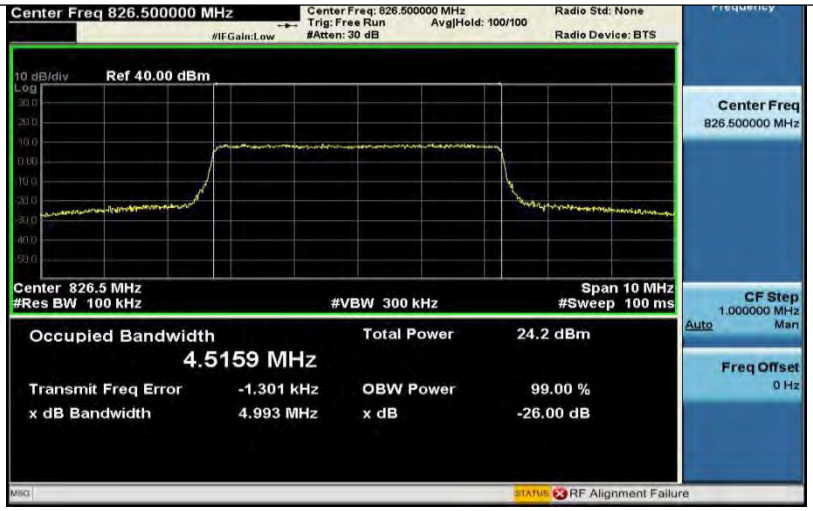
Band5-5MHz-16QAM-20425-25RB#0-4.5159



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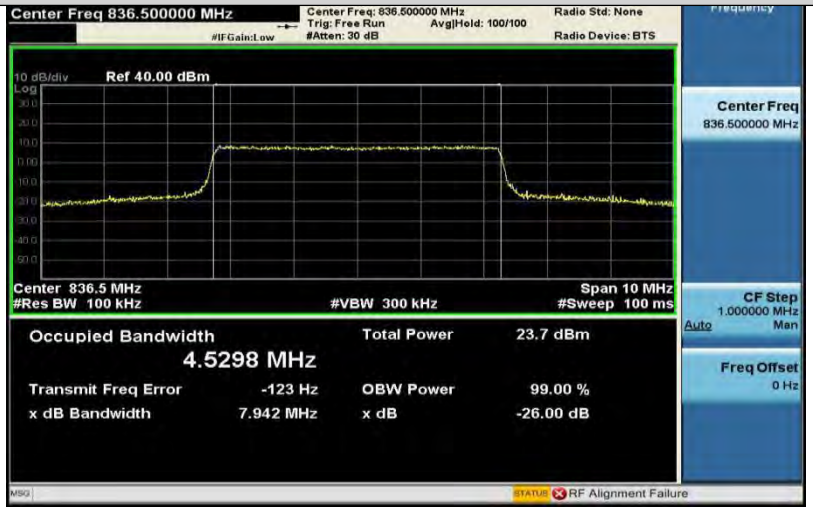

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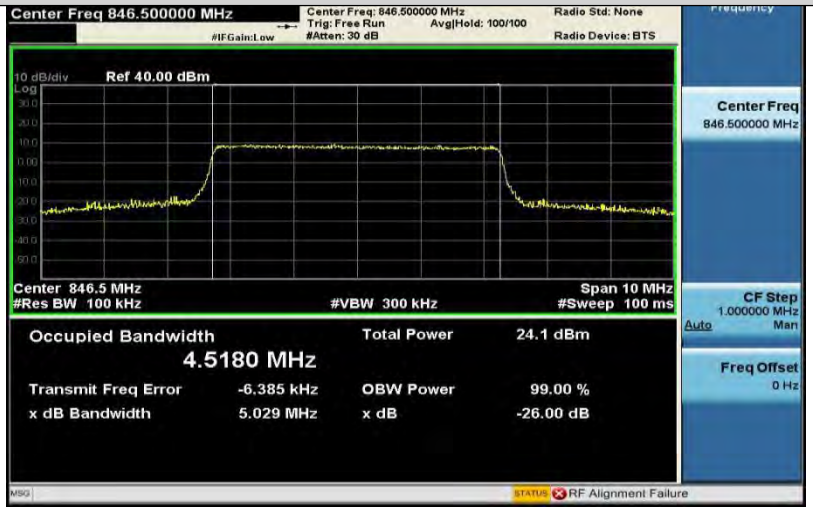
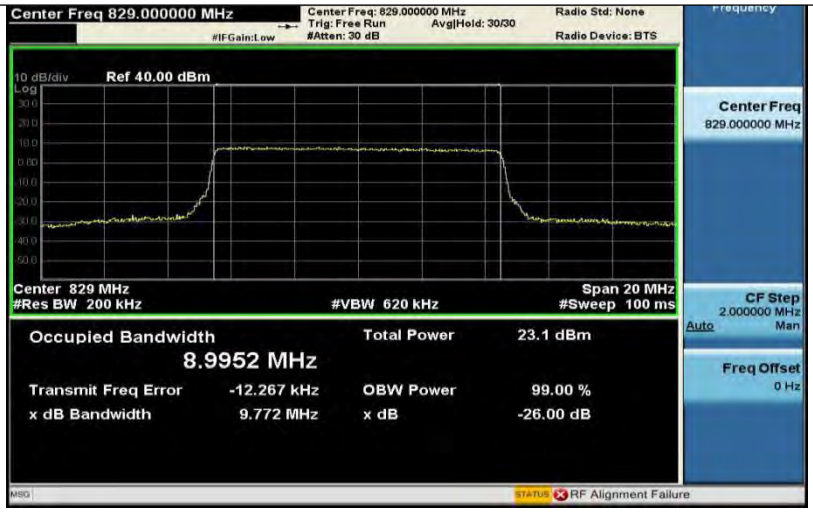


Band5-10MHz-QPSK-20450-50RB#0-8.9952



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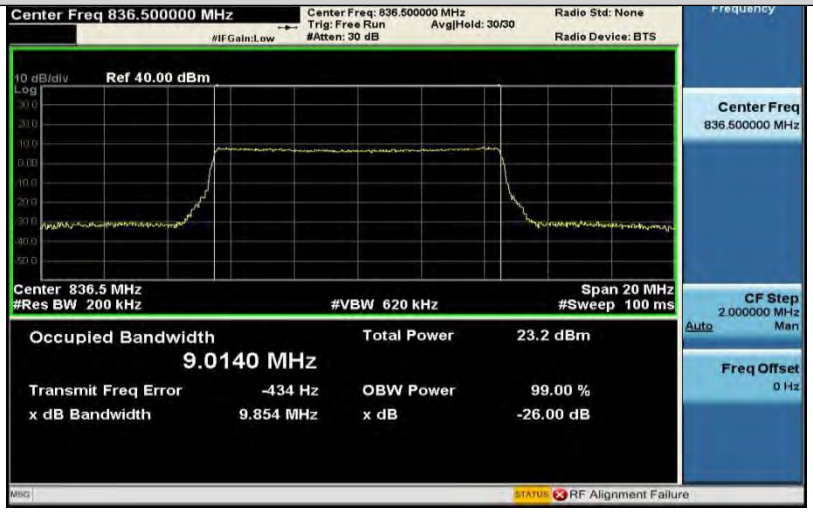
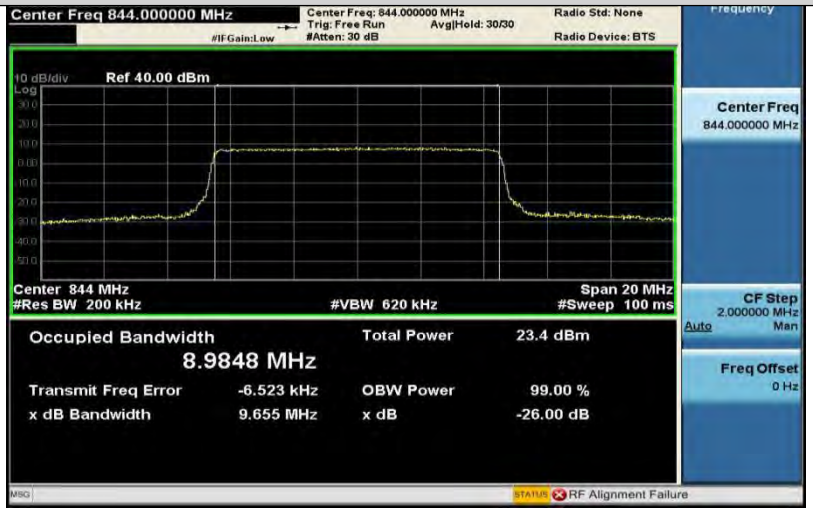


Band5-10MHz-QPSK-20600-50RB#0-8.9848



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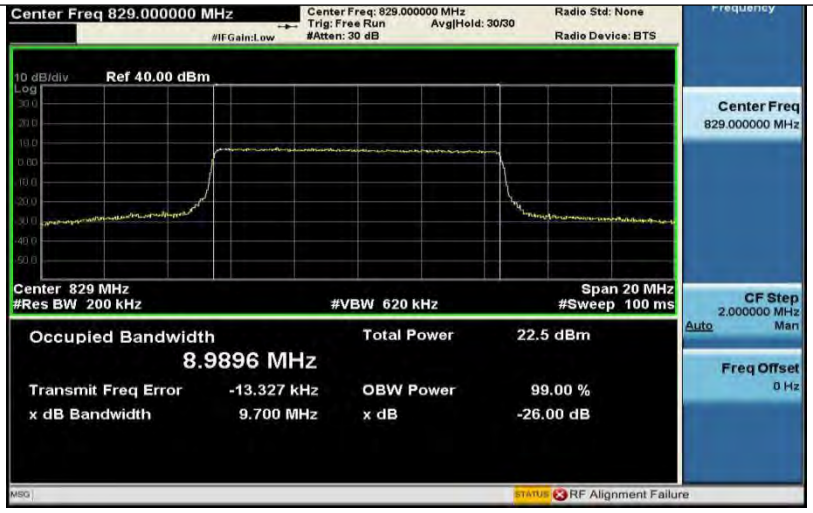

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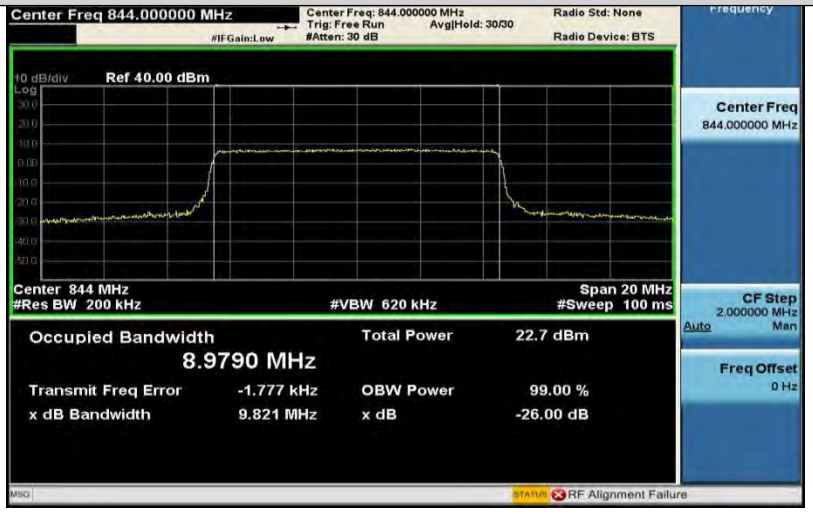
Band5-10MHz-16QAM-20600-50RB#0-8.9790



6 SPURIOUS EMISSIONS AT ANTENNA TERMINALS

6.1.1 Limit

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 log10(P) dB (-13 dBm).
Band7: For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz.

6.1.2 Test procedure

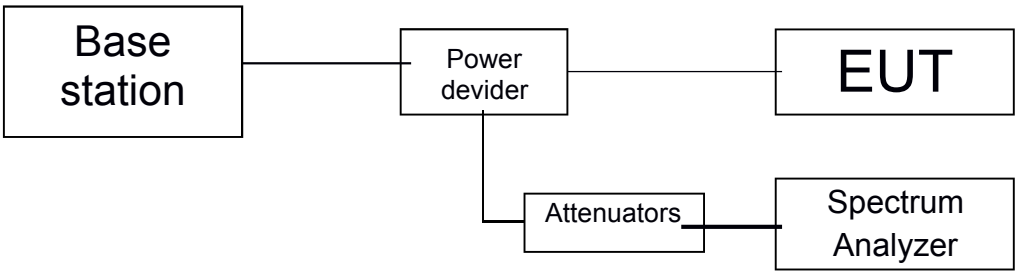
1. The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation.

2. The resolution bandwidth of the spectrum analyzer was set at 100 kHz when below 1GHz, 1MHz when above 1 GHz; sufficient scans were taken to show the out of band Emissions if any up to 10th harmonic.

3. For the out of band: Set the RBW=100 kHz, VBW=300 kHz when below 1 GHz, RBW =1 MHz, VBW=3 MHz when above 1 GHz, Start=30MHz, Stop= 10th harmonic.

4. Band Edge Requirements: In the 1 MHz bands immediately outside and adjacent to thefrequency block, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to measure the out of band Emissions.
5. All model was tested and 16QAM was worst case and was record.

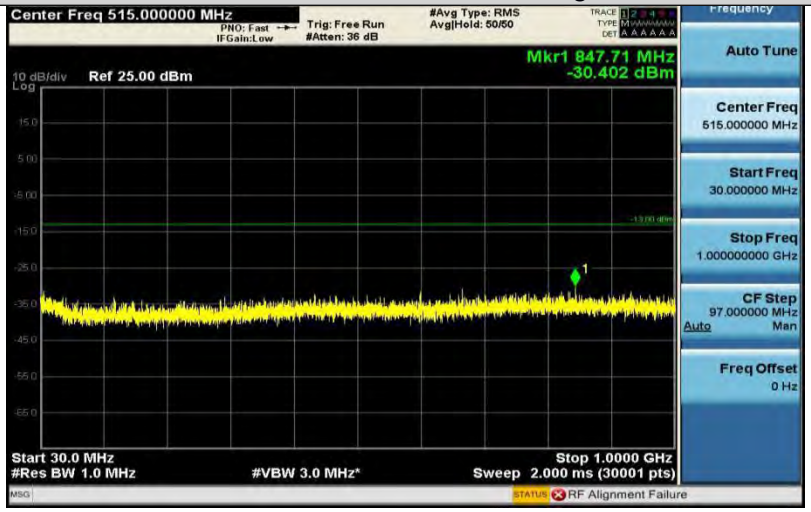
6.1.3 Test setup



6.1.4 Test results

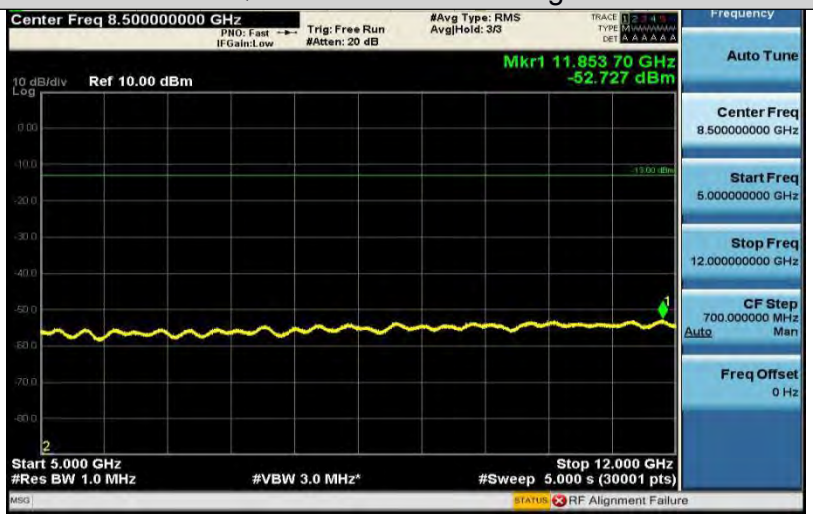
Note: All mode has been tested, only worst data(Middle channel) was shown in this report.

Band2-1.4MHz-16QAM-18900-1RB#0-Range1:30~1000MHz



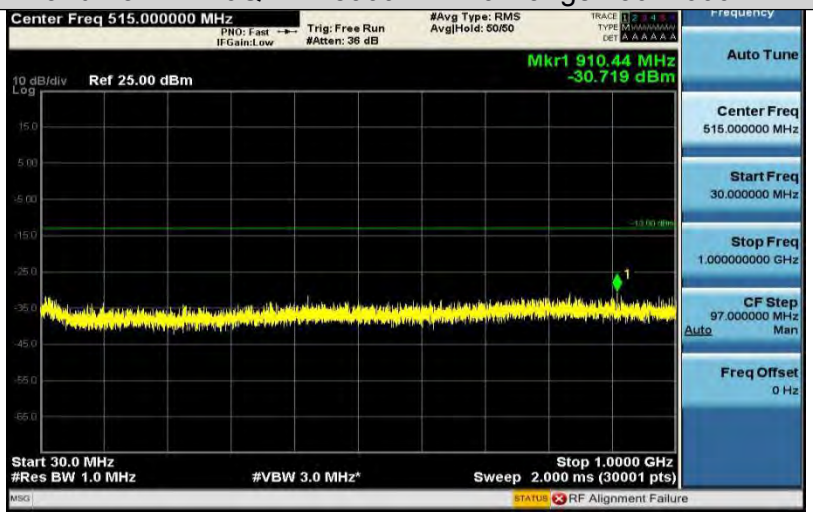
Band2-1.4MHz-16QAM-18900-1RB#0-Range2:1000~5000MHz

Band2-1.4MHz-16QAM-18900-1RB#0-Range3:5000~12000MHz



Band2-1.4MHz-16QAM-18900-1RB#0-Range4:12000~26500MHz

Band2-3MHz-16QAM-18900-1RB#0-Range1:30~1000MHz

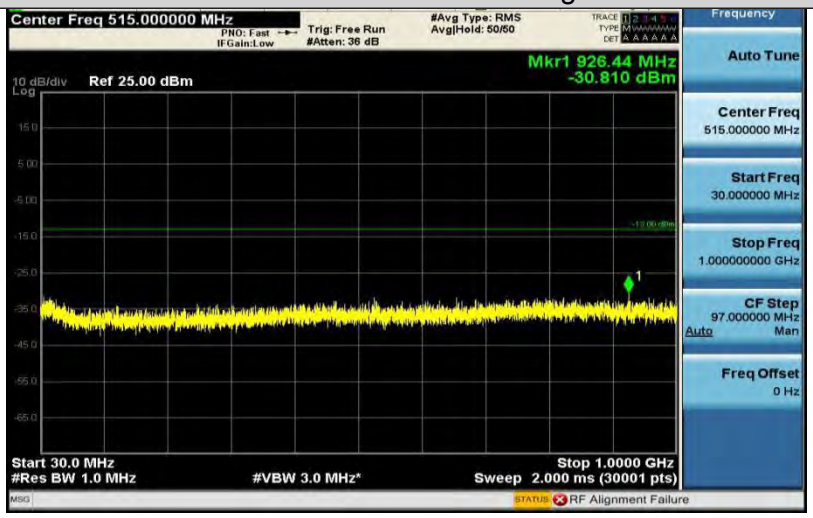


Band2-3MHz-16QAM-18900-1RB#0-Range2:1000~5000MHz

Band2-3MHz-16QAM-18900-1RB#0-Range3:5000~12000MHz

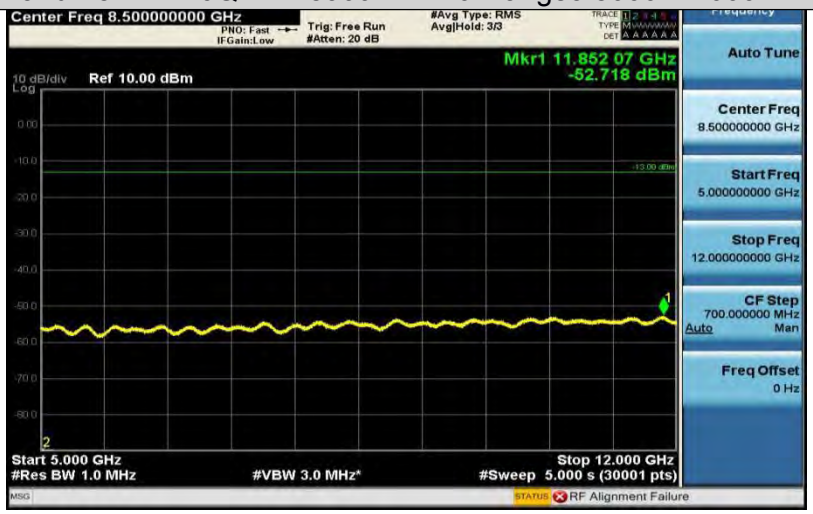
Band2-3MHz-16QAM-18900-1RB#0-Range4:12000~26500MHz

Band2-5MHz-16QAM-18900-1RB#0-Range1:30~1000MHz



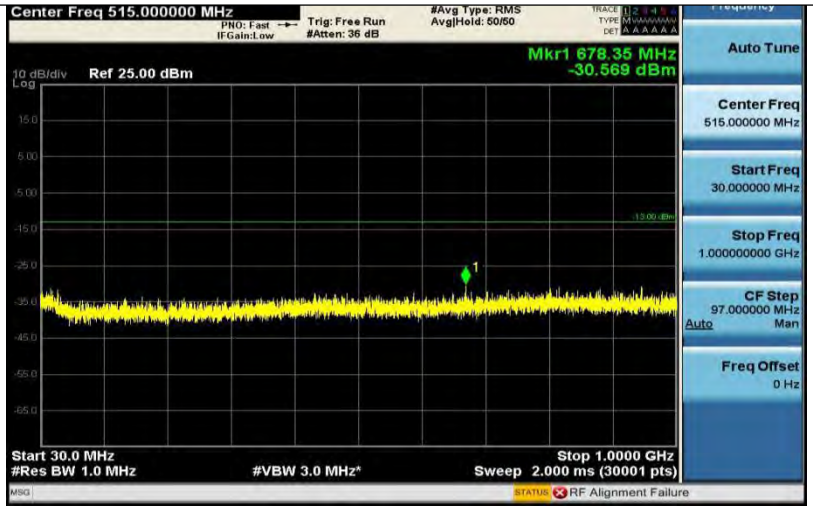
Band2-5MHz-16QAM-18900-1RB#0-Range2:1000~5000MHz

Band2-5MHz-16QAM-18900-1RB#0-Range3:5000~12000MHz

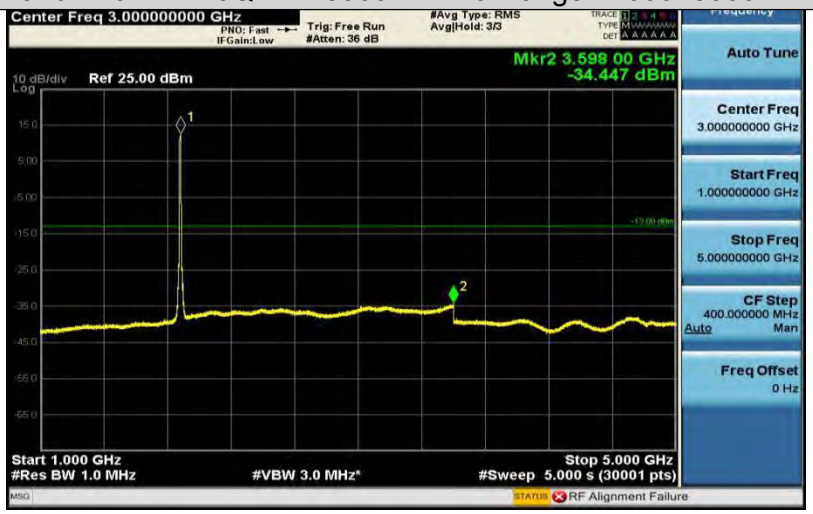


Band2-5MHz-16QAM-18900-1RB#0-Range4:12000~26500MHz

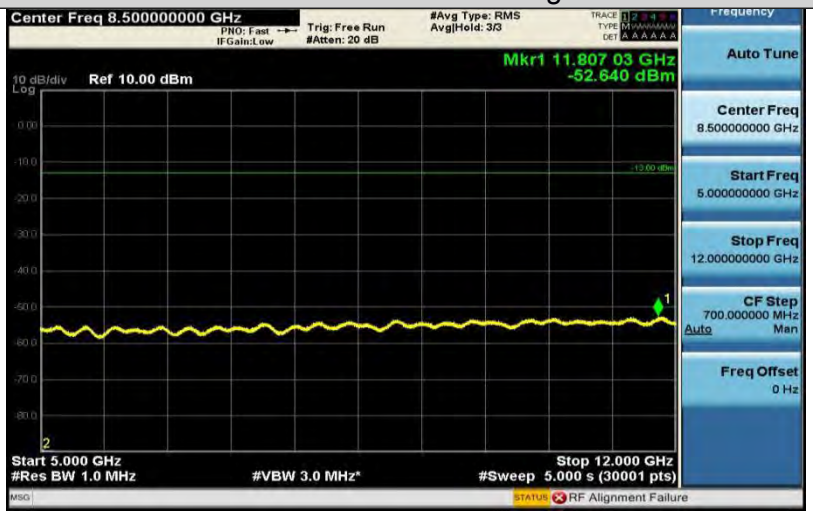
Band2-10MHz-16QAM-18900-1RB#0-Range1:30~1000MHz



Band2-10MHz-16QAM-18900-1RB#0-Range2:1000~5000MHz

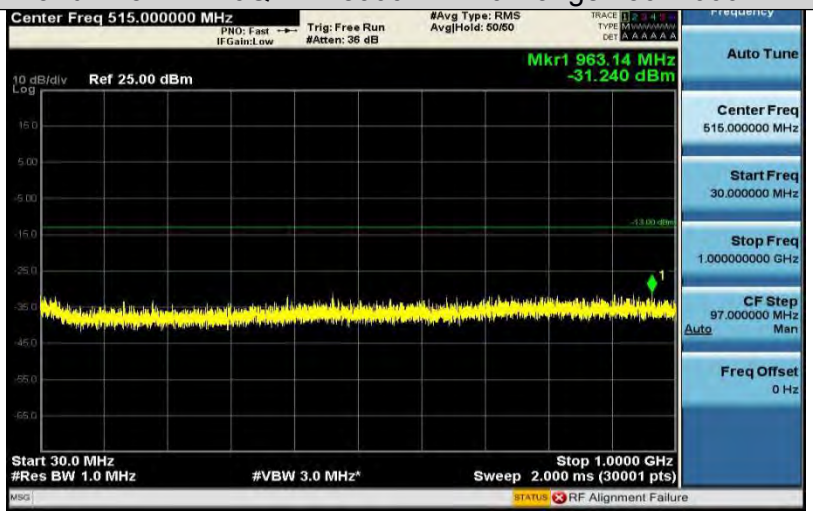


Band2-10MHz-16QAM-18900-1RB#0-Range3:5000~12000MHz



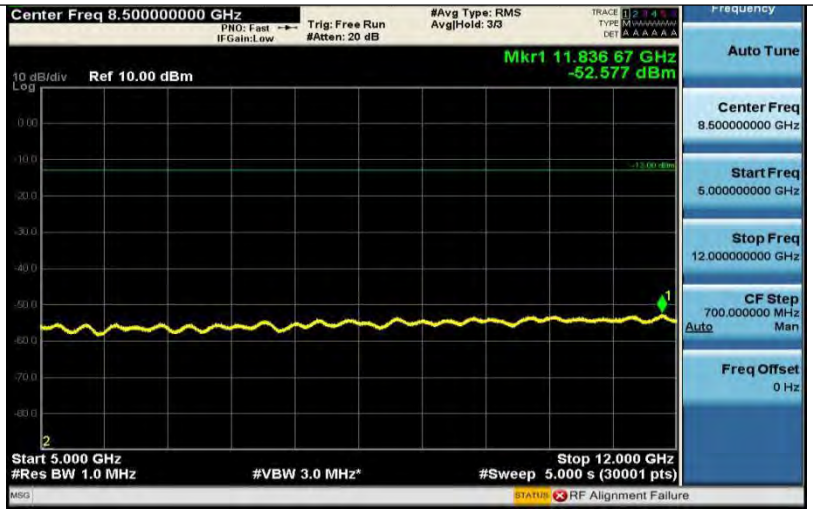
Band2-10MHz-16QAM-18900-1RB#0-Range4:12000~26500MHz

Band2-15MHz-16QAM-18900-1RB#0-Range1:30~1000MHz



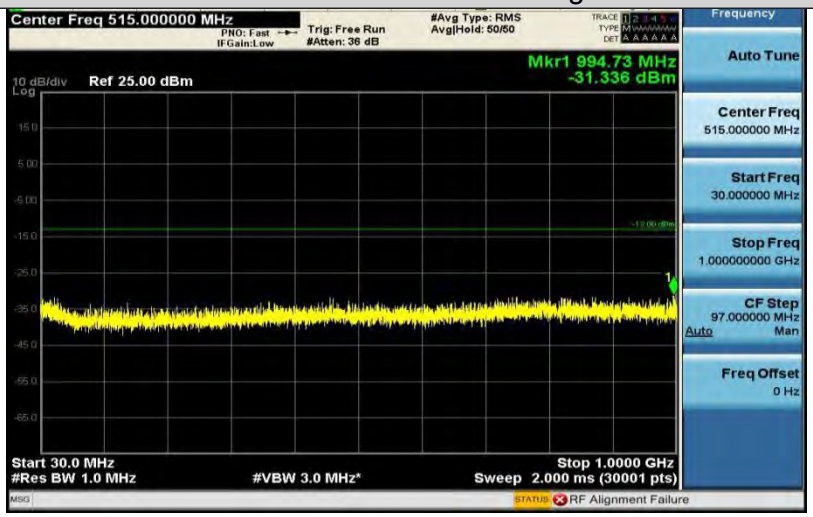
Band2-15MHz-16QAM-18900-1RB#0-Range2:1000~5000MHz

Band2-15MHz-16QAM-18900-1RB#0-Range3:5000~12000MHz



Band2-15MHz-16QAM-18900-1RB#0-Range4:12000~26500MHz

Band2-20MHz-16QAM-18900-1RB#0-Range1:30~1000MHz

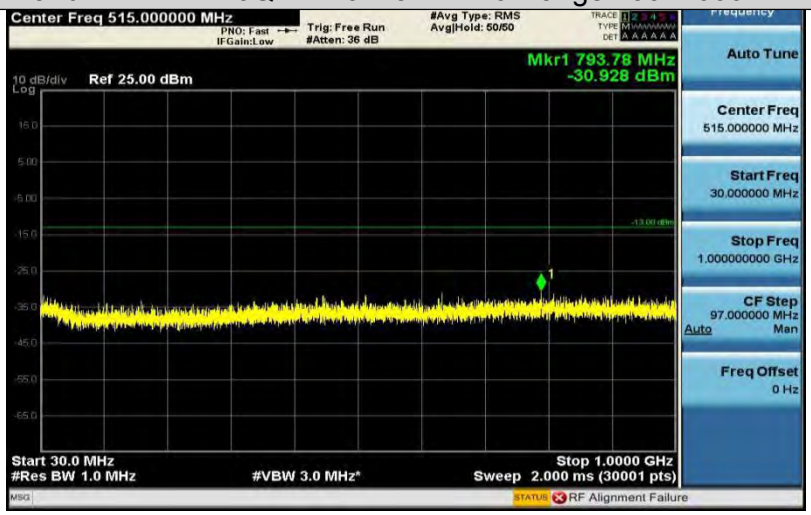


Band2-20MHz-16QAM-18900-1RB#0-Range2:1000~5000MHz

Band2-20MHz-16QAM-18900-1RB#0-Range3:5000~12000MHz

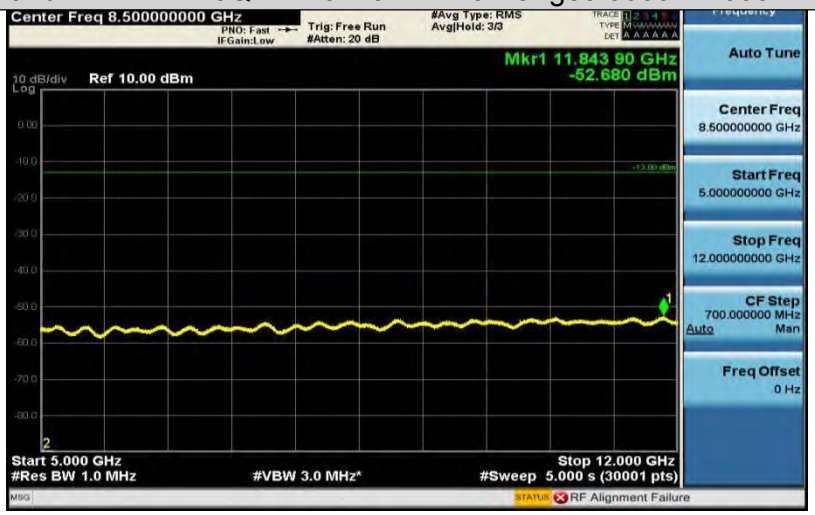
Band2-20MHz-16QAM-18900-1RB#0-Range4:12000~26500MHz

Band4-1.4MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



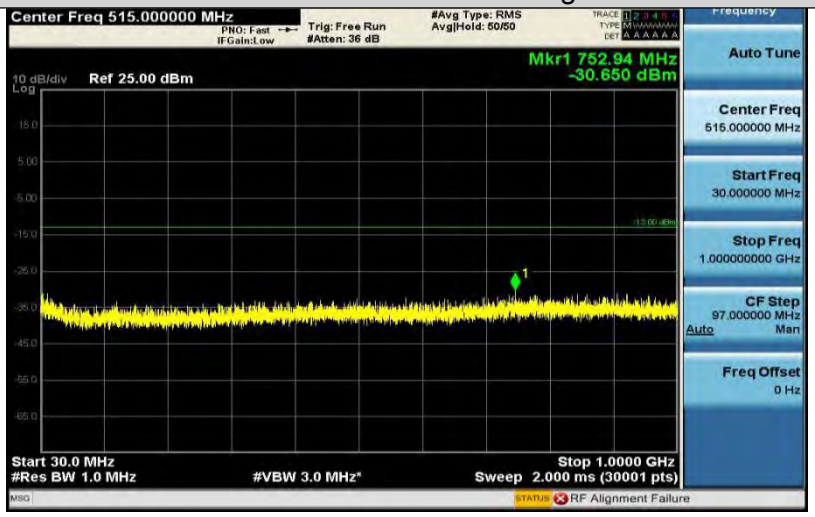
Band4-1.4MHz-16QAM-20175-1RB#0-Range2:1000~5000MHz

Band4-1.4MHz-16QAM-20175-1RB#0-Range3:5000~12000MHz



Band4-1.4MHz-16QAM-20175-1RB#0-Range4:12000~26500MHz

Band4-3MHz-16QAM-20175-1RB#0-Range1:30~1000MHz

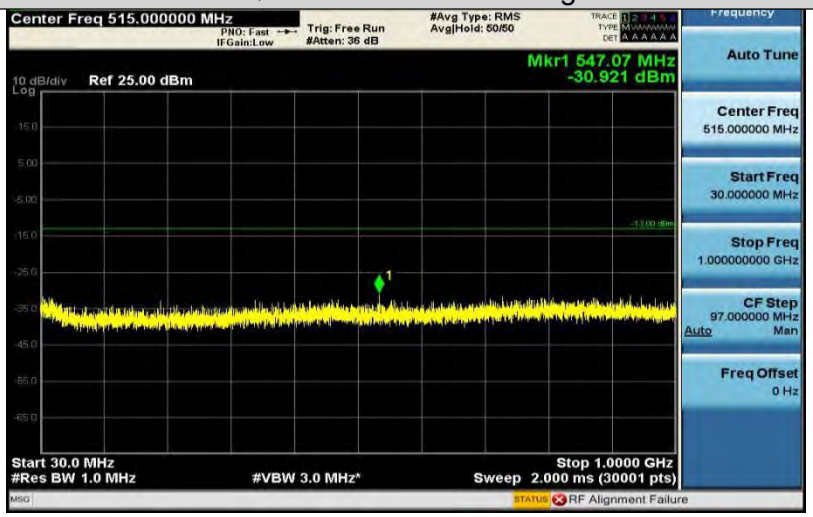


Band4-3MHz-16QAM-20175-1RB#0-Range2:1000~5000MHz

Band4-3MHz-16QAM-20175-1RB#0-Range3:5000~12000MHz

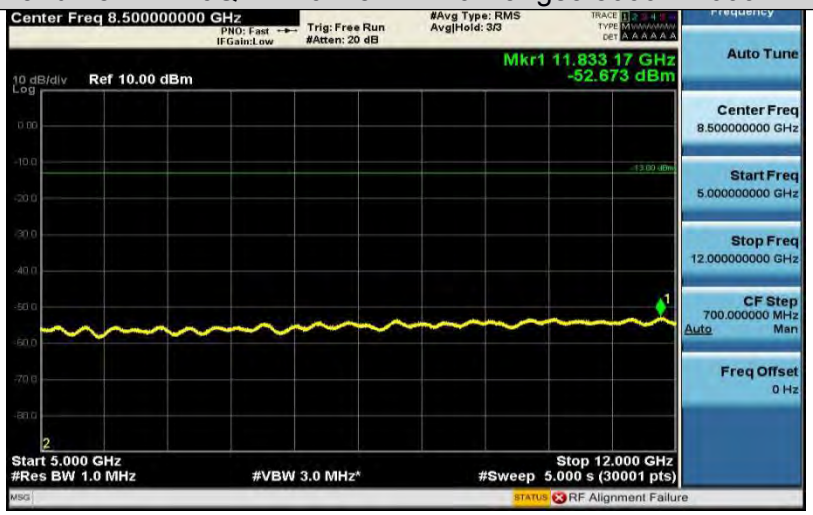
Band4-3MHz-16QAM-20175-1RB#0-Range4:12000~26500MHz

Band4-5MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



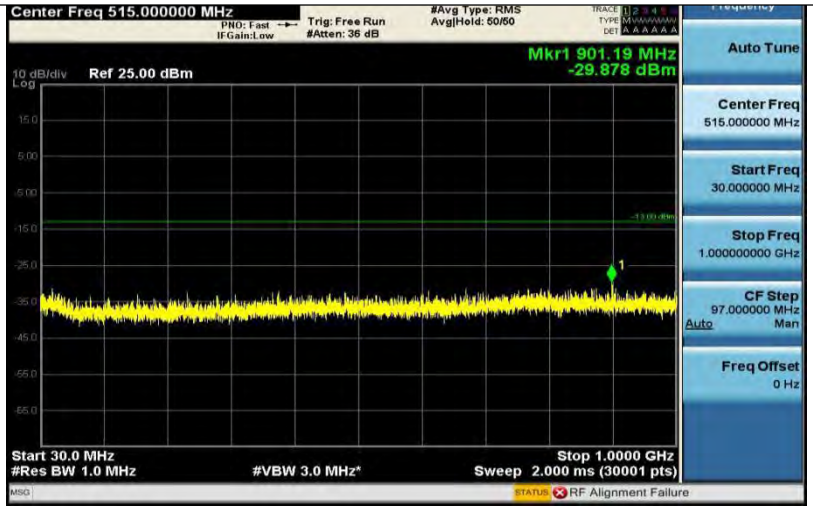
Band4-5MHz-16QAM-20175-1RB#0-Range2:1000~5000MHz

Band4-5MHz-16QAM-20175-1RB#0-Range3:5000~12000MHz



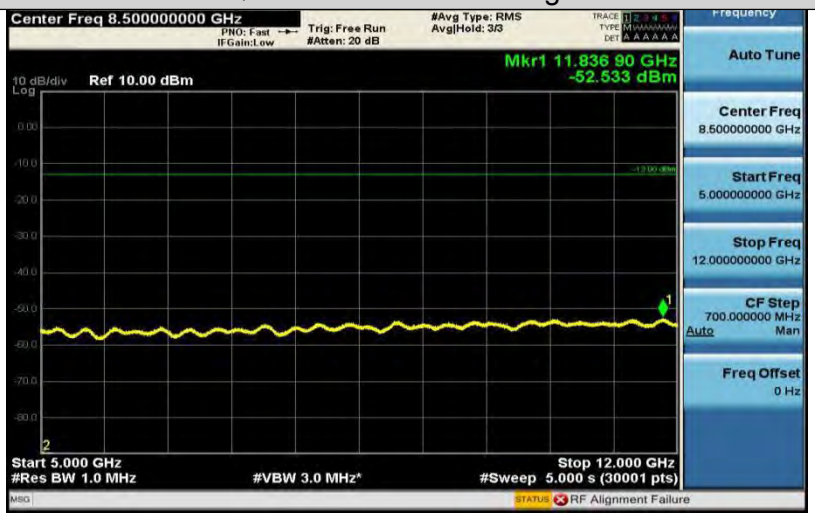
Band4-5MHz-16QAM-20175-1RB#0-Range4:12000~26500MHz

Band4-10MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



Band4-10MHz-16QAM-20175-1RB#0-Range2:1000~5000MHz

Band4-10MHz-16QAM-20175-1RB#0-Range3:5000~12000MHz



Band4-10MHz-16QAM-20175-1RB#0-Range4:12000~26500MHz


Center Freq 19.250000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
#Avg Type: RMS
Avg|Hold: 3/3
Mkr1 26.235 6 GHz
-44.235 dBm
10 dB/div
Log
Ref 10.00 dBm
Start 12.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.500 GHz
#Sweep 5.000 s (30001 pts)
RF Alignment Failure
Frequency
Auto Tune
Center Freq
19.250000000 GHz
Start Freq
12.000000000 GHz
Stop Freq
26.500000000 GHz
CF Step
1.450000000 GHz
Auto
Man
Freq Offset
0 Hz