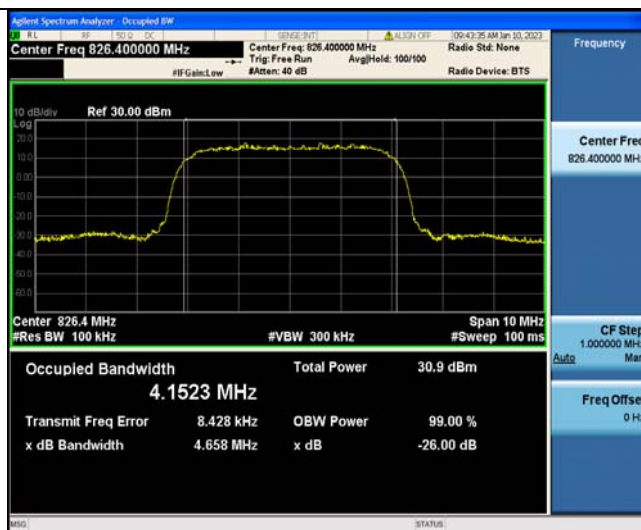
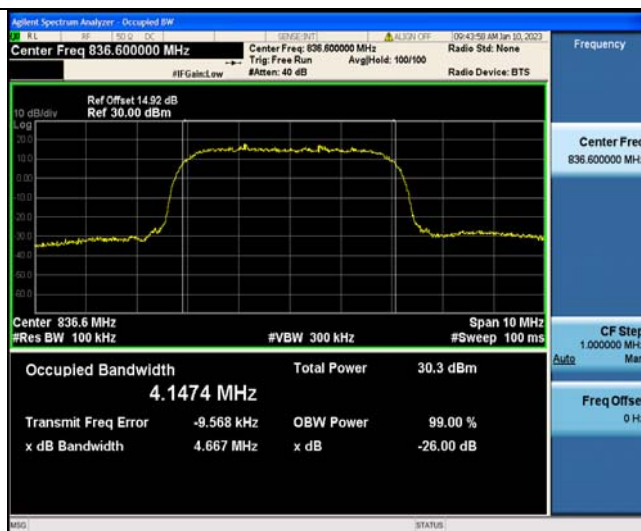




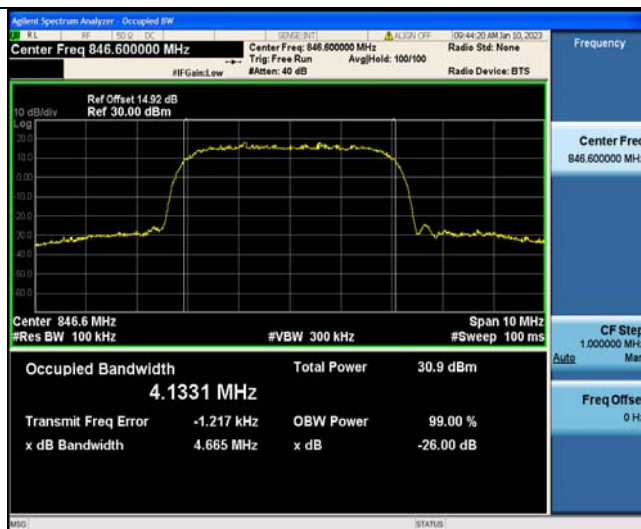
Band5-4132-4.658



Band5-4183-4.667

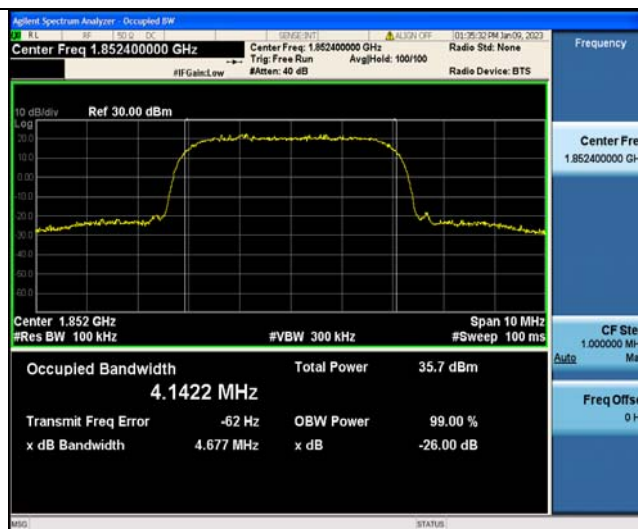


Band5-4233-4.665

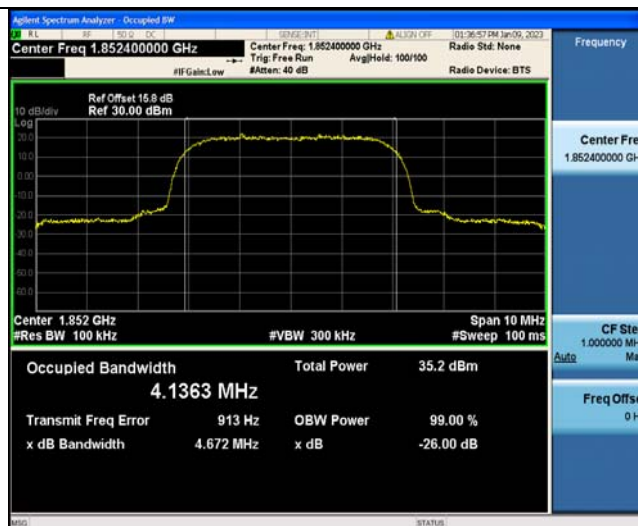


HSUPA

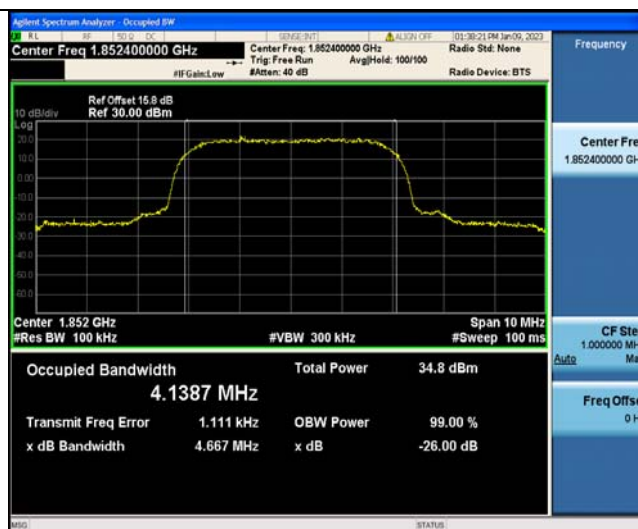
Band2-9262-1-4.677



Band2-9262-2-4.672

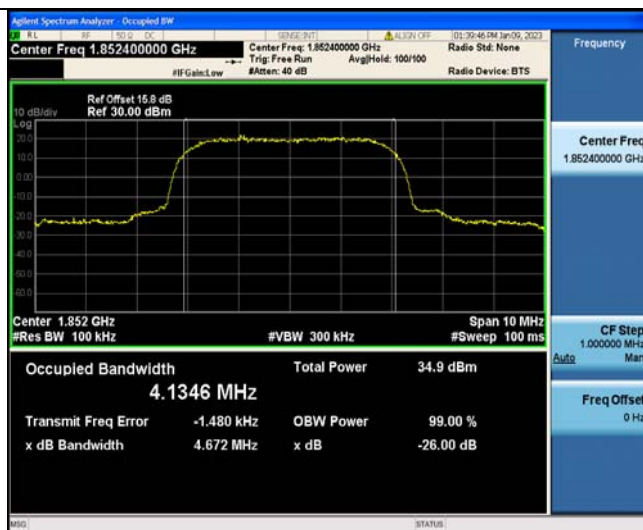


Band2-9262-3-4.667





Band2-9262-4-4.672



Band2-9400-1-4.698



Band2-9400-2-4.704

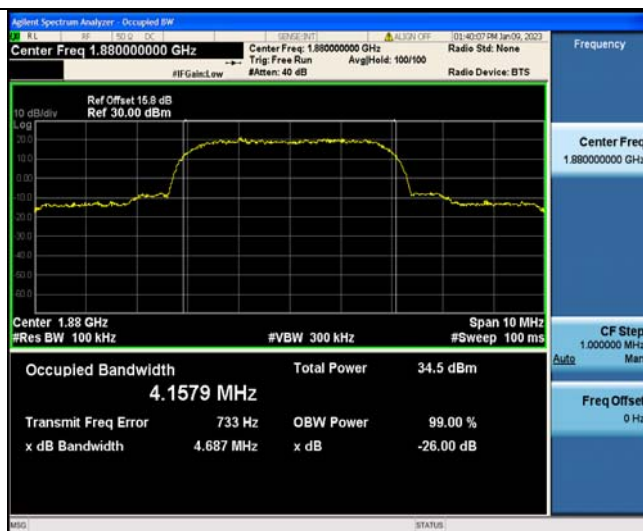




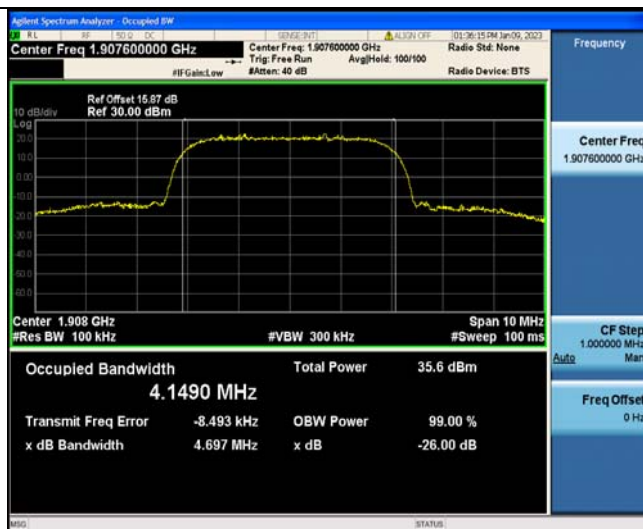
Band2-9400-3-4.684



Band2-9400-4-4.687

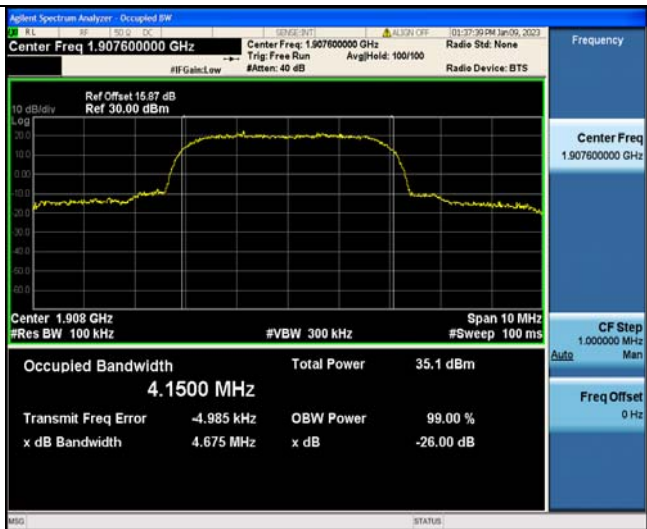


Band2-9538-1-4.697





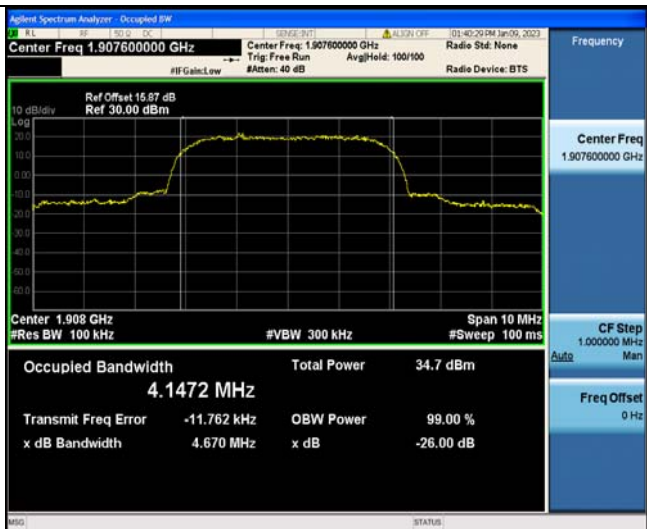
Band2-9538-2-4.675



Band2-9538-3-4.666



Band2-9538-4-4.670

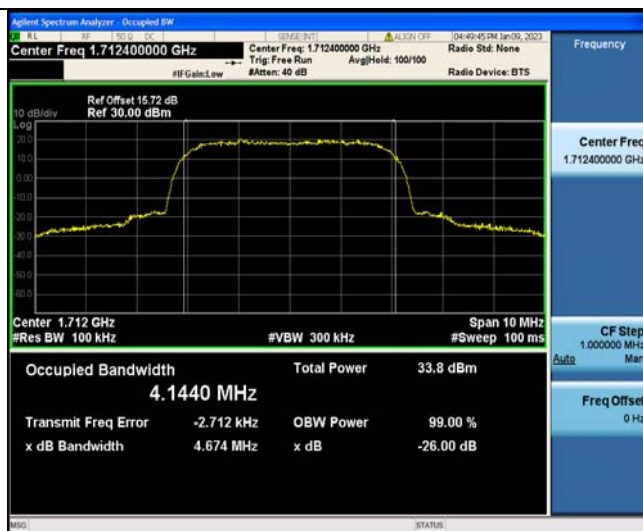




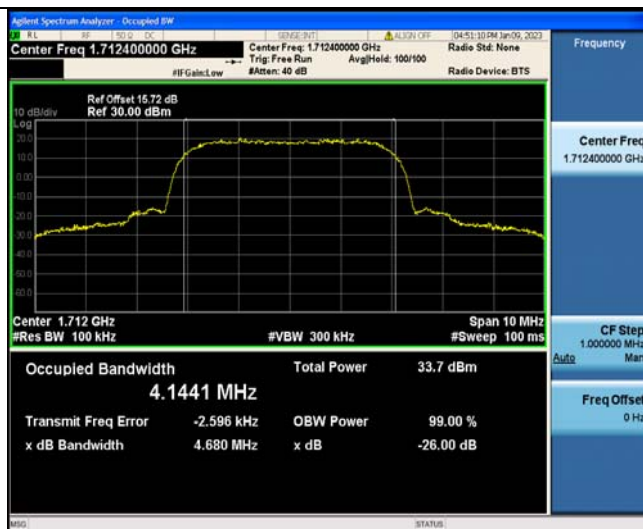
Band4-1312-1-4.667



Band4-1312-2-4.674



Band4-1312-3-4.680





Agilent Spectrum Analyzer - Occupied BW

Center Freq 1.712400000 GHz
#F-Gain: Low

Center Freq: 1.712400000 GHz
Trig: Free Run
Avg/Hold: 100/100
Radio Std: None
Radio Device: BTS

Ref Offset 15.72 dB
Ref 30.00 dBm

Center 1.712 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 10 MHz
#Sweep 100 ms

Occupied Bandwidth	Total Power
4.1544 MHz	33.7 dBm

Transmit Freq Error	OBW Power
-796 Hz	99.00 %

x dB Bandwidth	x dB
4.691 MHz	-26.00 dB

Agilent Spectrum Analyzer - Occupied BW

Center Freq 1.732600000 GHz

Ref Offset 15.91 dB

Ref 30.00 dBm

Span 10 MHz

#Res BW 100 kHz

#VBW 300 kHz

#Sweep 100 ms

Occupied Bandwidth: 4.1422 MHz

Total Power: 34.2 dBm

Transmit Freq Error: -1.580 kHz

OBW Power: 99.00 %

x dB Bandwidth: 4.663 MHz

x dB: -26.00 dB

Agilent Spectrum Analyzer - Occupied BW

Center Freq 1.732600000 GHz

Ref Offset 15.91 dB
Ref 30.00 dBm

Trig: Free Run Avg/Hold: 100/100
#F-Gain: Low #Atten: 40 dB Radio Device: BTS

Frequency

Center Freq 1.732600000 GHz

CF Step 1.000000 MHz

Auto Man

Freq Offset 0 Hz

Occupied Bandwidth	Total Power	34.3 dBm
4.1480 MHz		
Transmit Freq Error	-16 Hz	OBW Power 99.00 %
x dB Bandwidth	4.669 MHz	x dB -26.00 dB

MSG STATUS



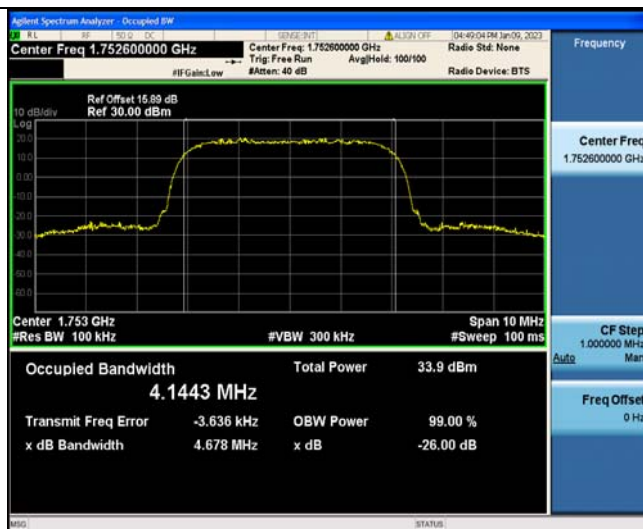
Band4-1413-3-4.687



Band4-1413-4-4.687



Band4-1513-1-4.678





Band4-1513-2-4.672



Band4-1513-3-4.679

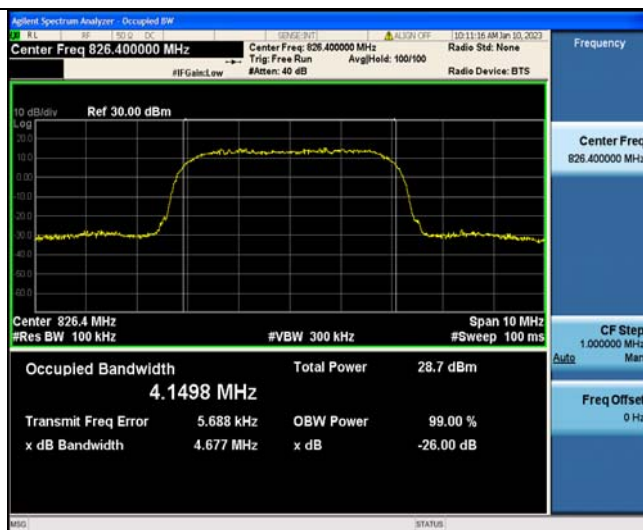


Band4-1513-4-4.680

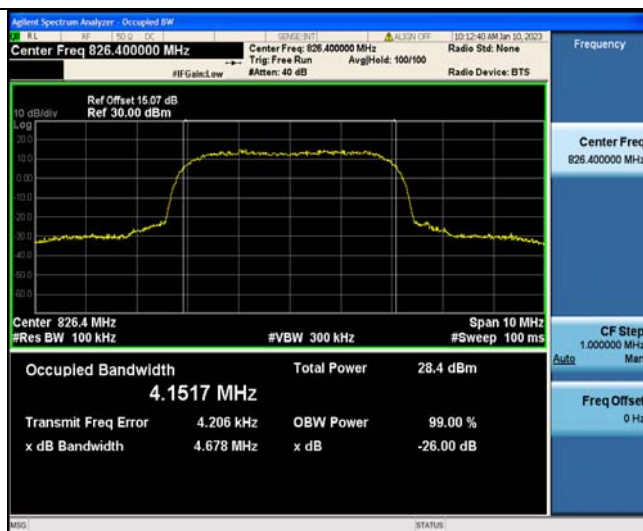




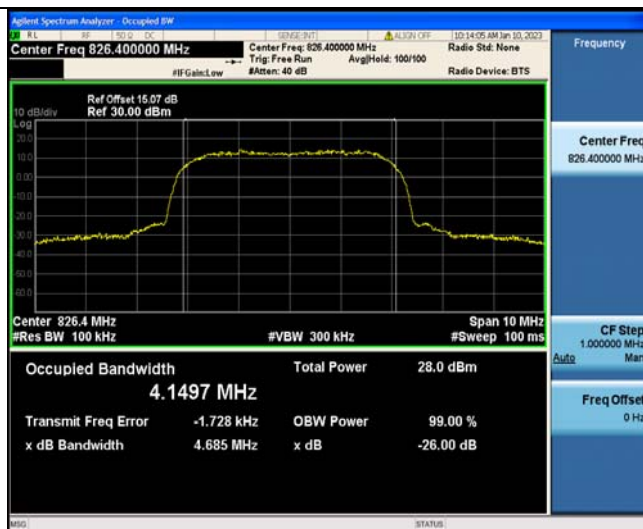
Band5-4132-1-4.677



Band5-4132-2-4.678

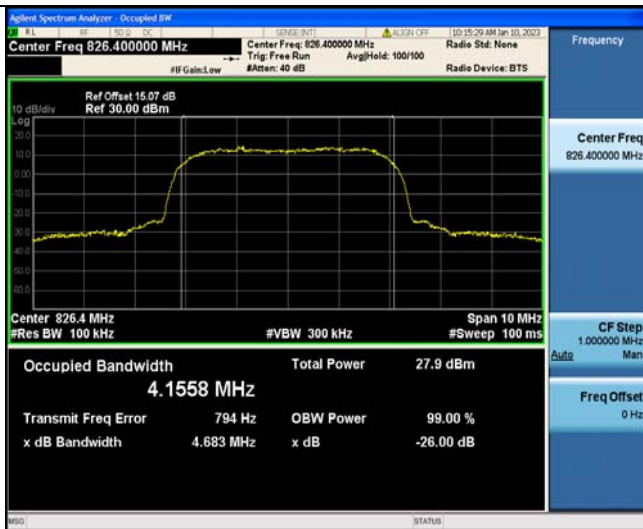


Band5-4132-3-4.685

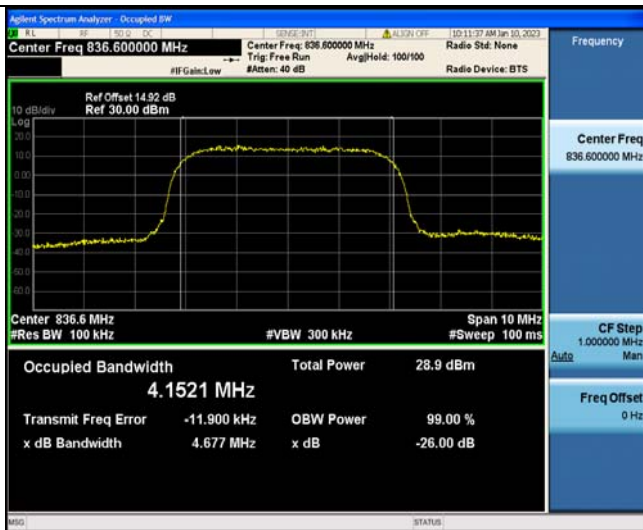




Band5-4132-4-4.683



Band5-4183-1-4.677

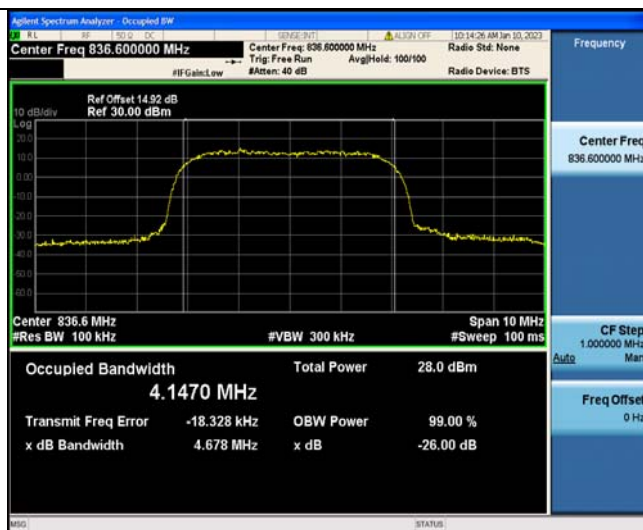


Band5-4183-2-4.674

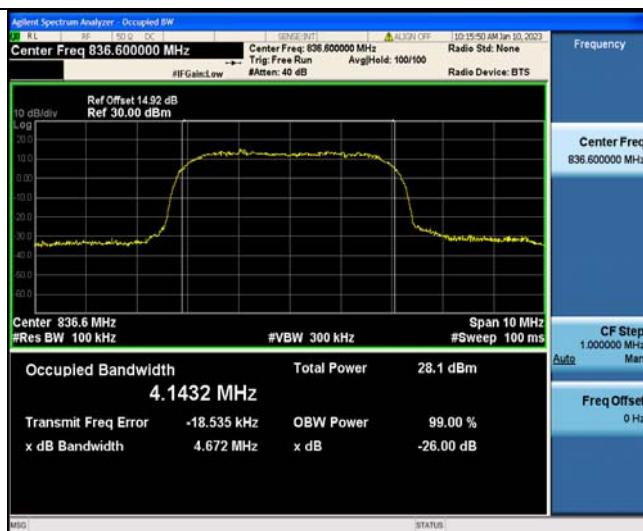




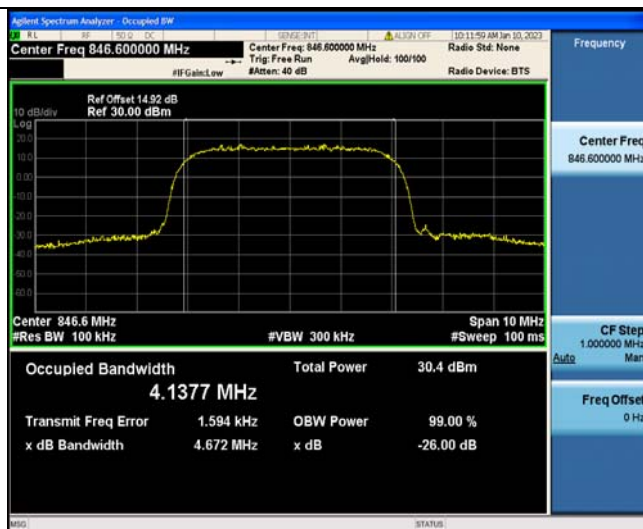
Band5-4183-3-4.678



Band5-4183-4-4.672

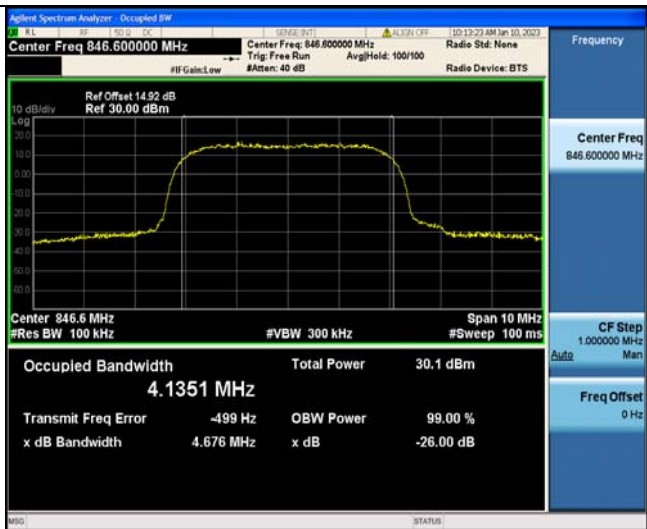


Band5-4233-1-4.672

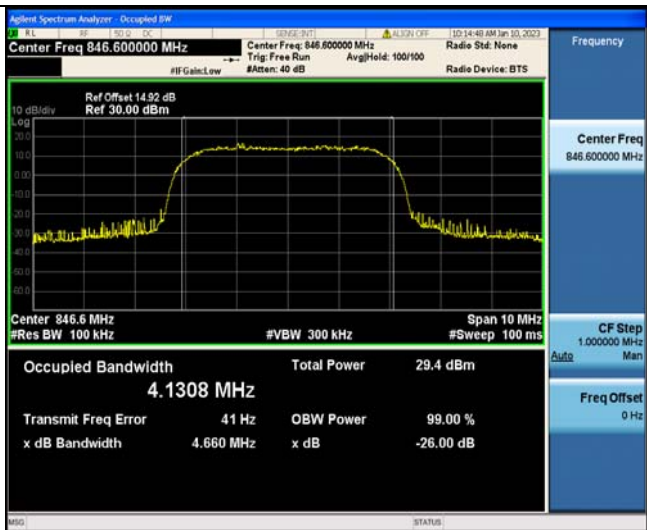




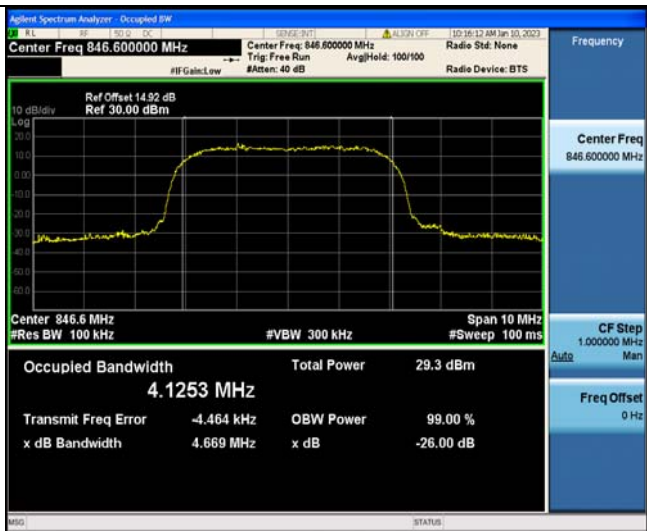
Band5-4233-2-4.676



Band5-4233-3-4.660

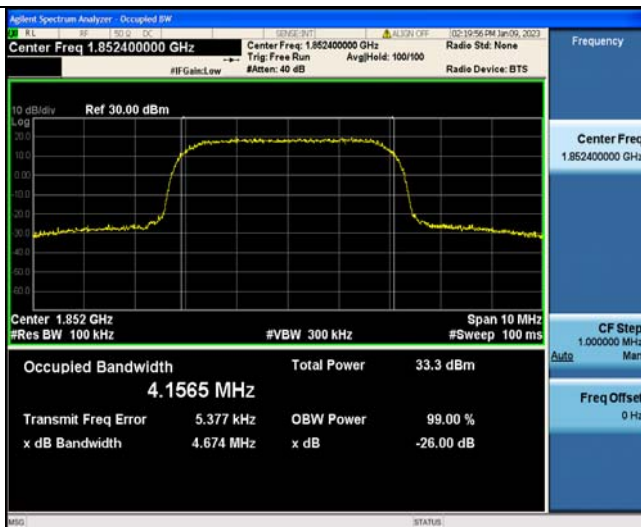


Band5-4233-4-4.669

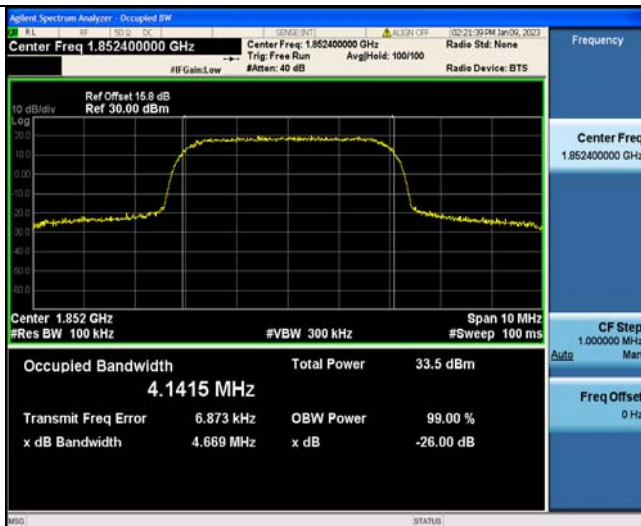




Band2-9262-1-4.674



Band2-9262-2-4.669

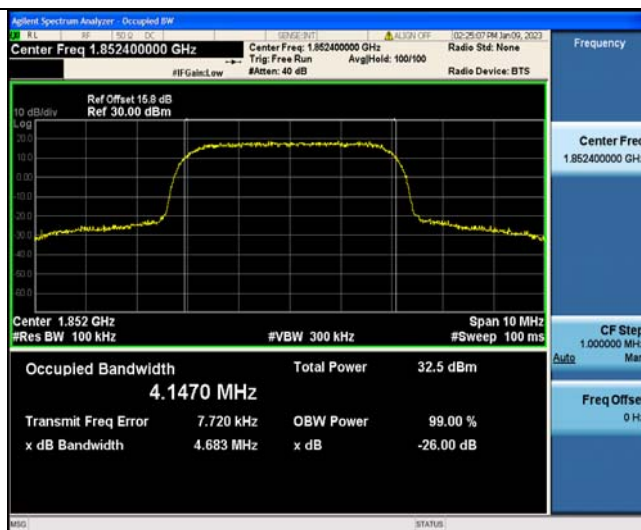


Band2-9262-3-4.678





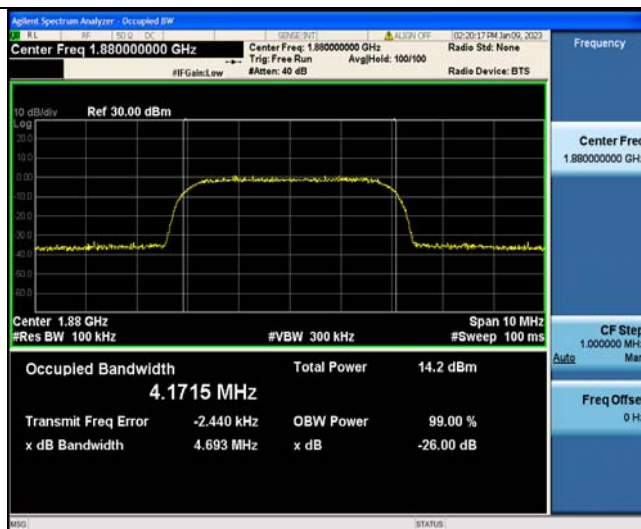
Band2-9262-4-4.683



Band2-9262-5-4.682

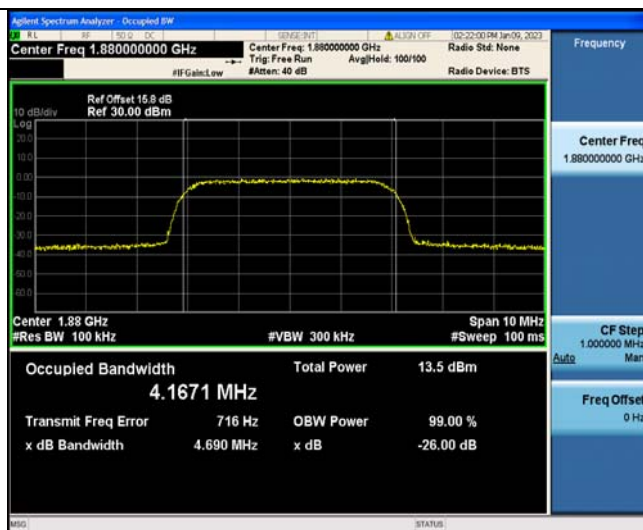


Band2-9400-1-4.693

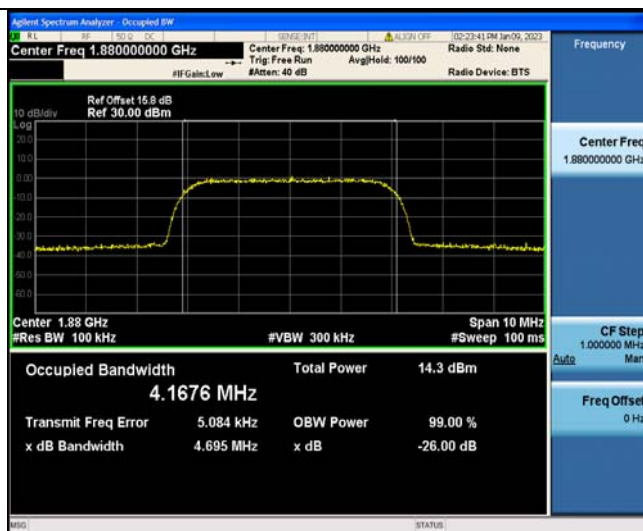




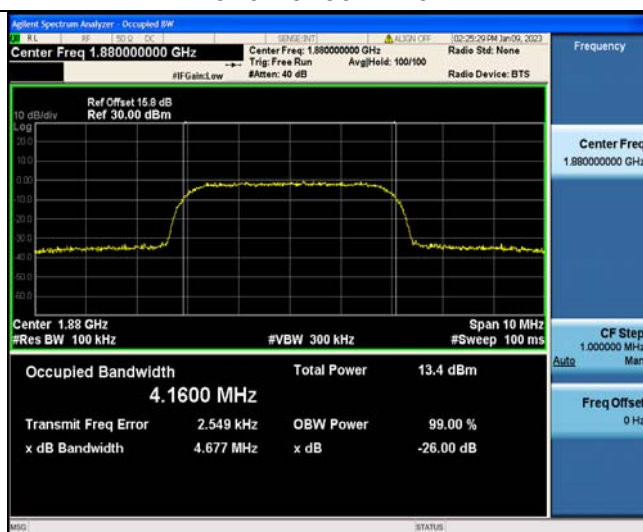
Band2-9400-2-4.690



Band2-9400-3-4.695

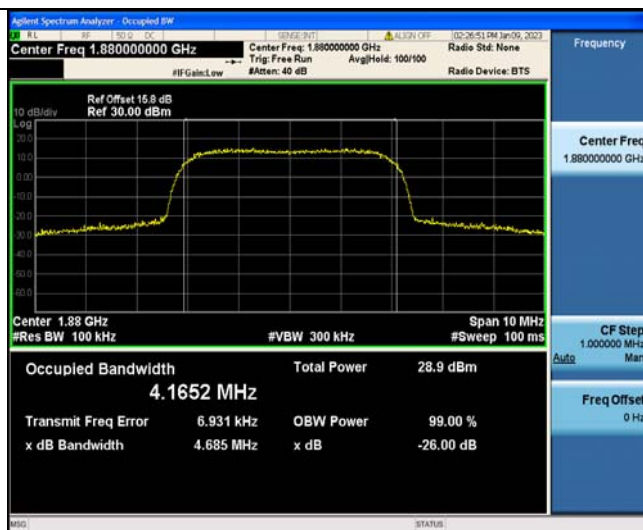


Band2-9400-4-4.677

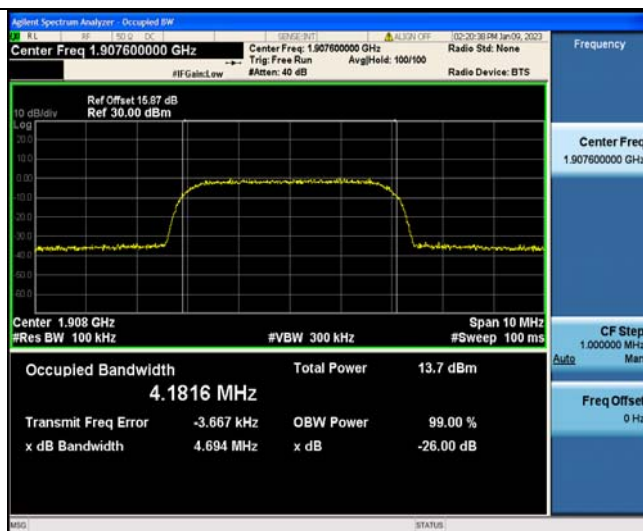




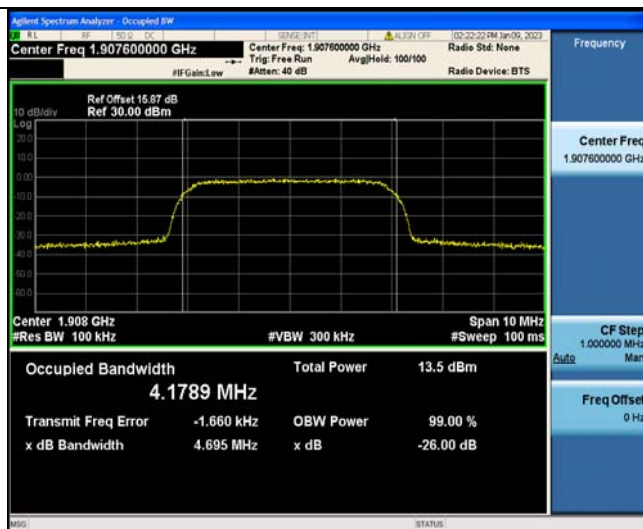
Band2-9400-5-4.685



Band2-9538-1-4.694

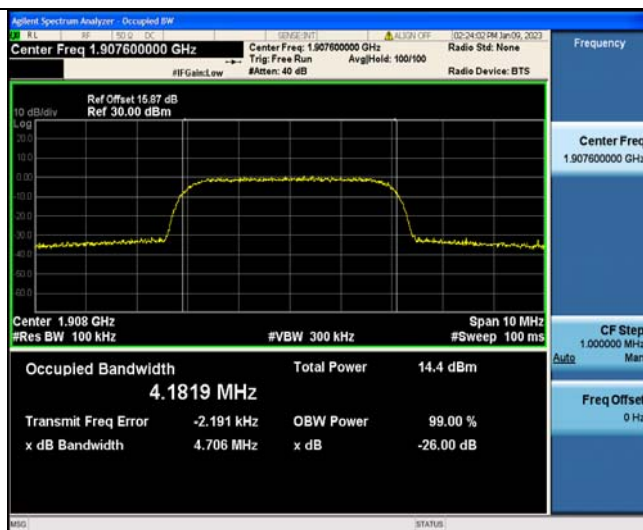


Band2-9538-2-4.695

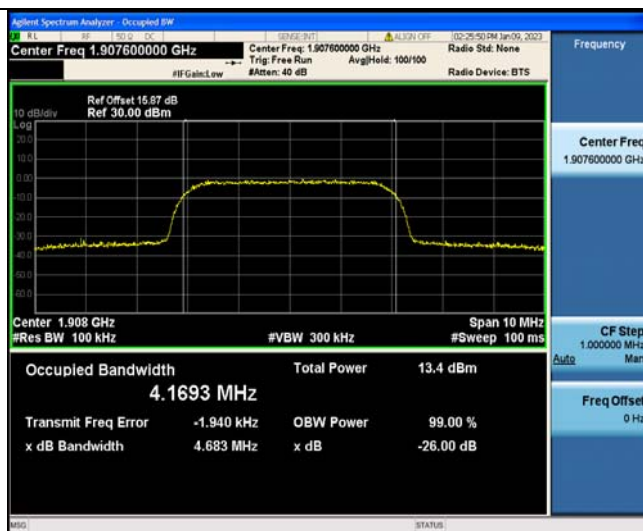




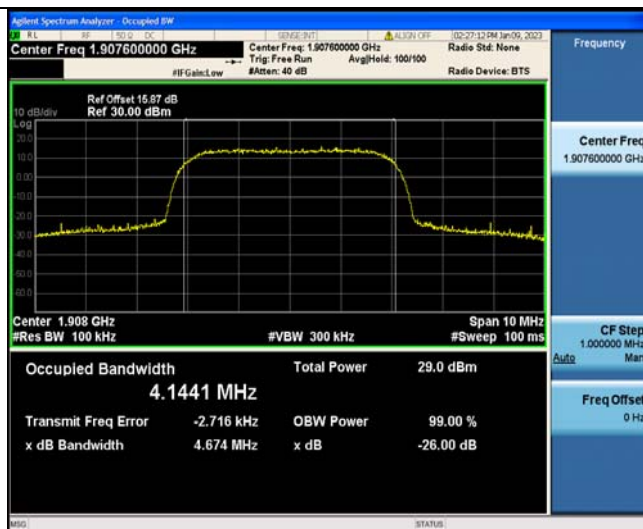
Band2-9538-3-4.706



Band2-9538-4-4.683



Band2-9538-5-4.674

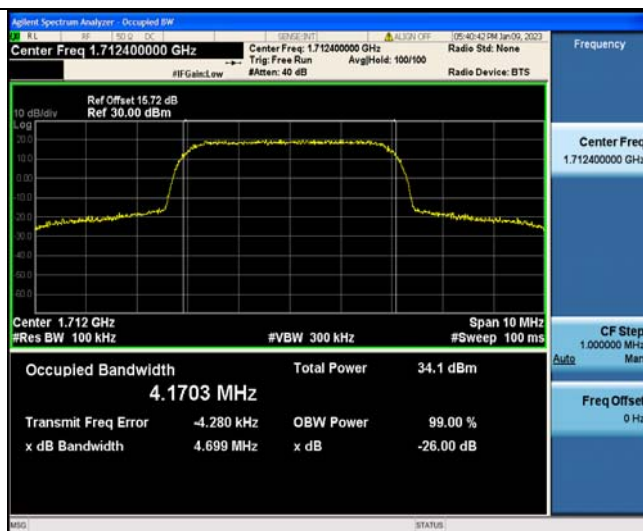




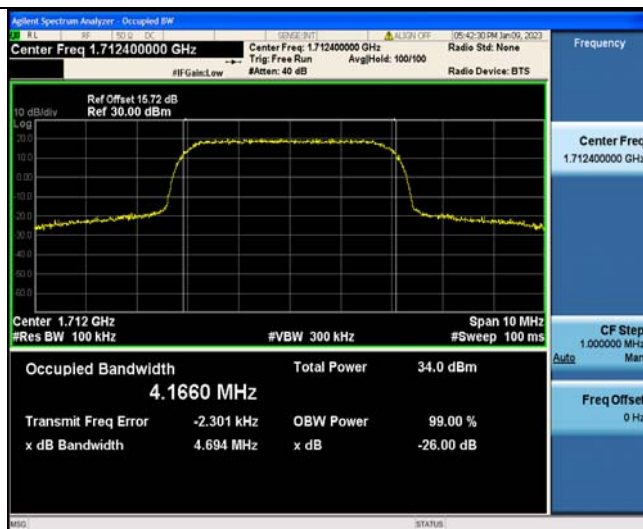
Band4-1312-1-4.690



Band4-1312-2-4.699

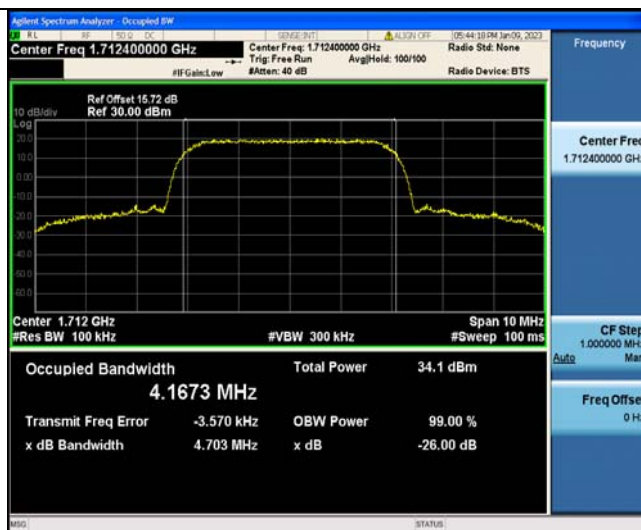


Band4-1312-3-4.694





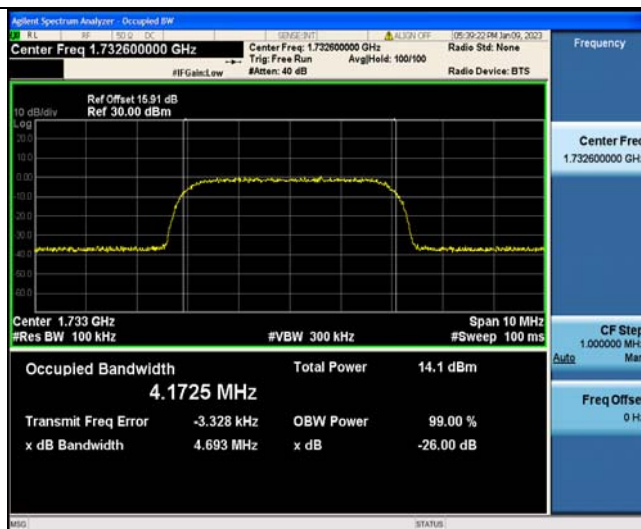
Band4-1312-4-4.703



Band4-1312-5-4.671

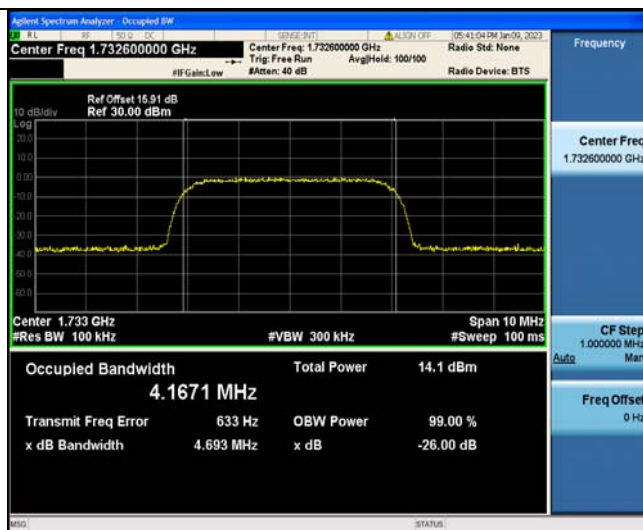


Band4-1413-1-4.693

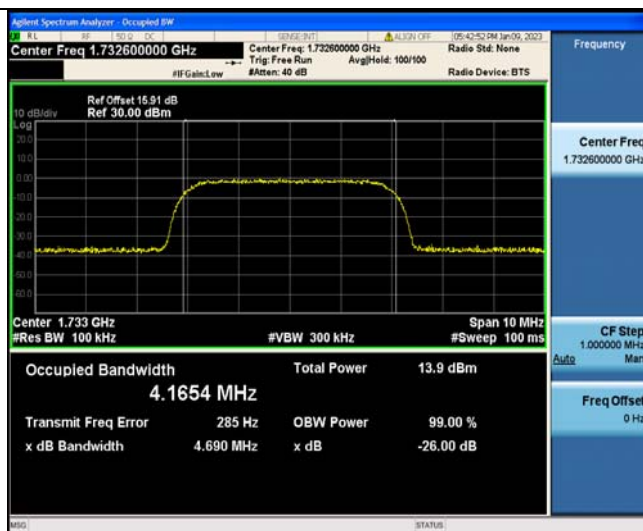




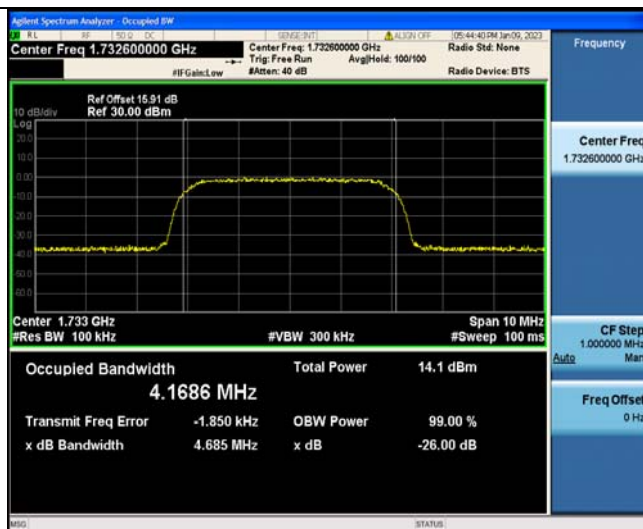
Band4-1413-2-4.693



Band4-1413-3-4.690

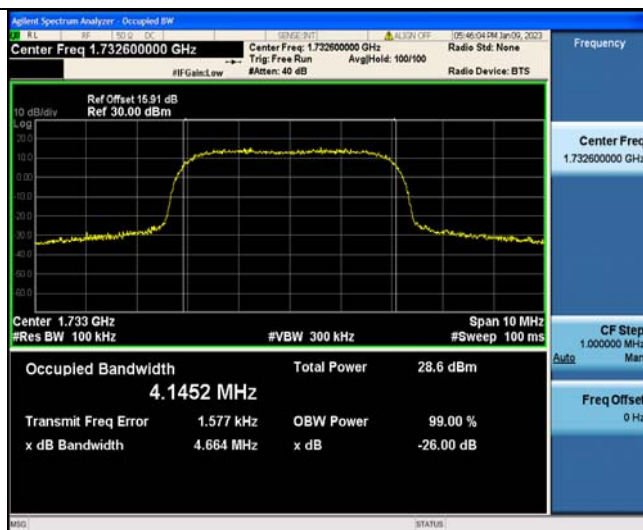


Band4-1413-4-4.685

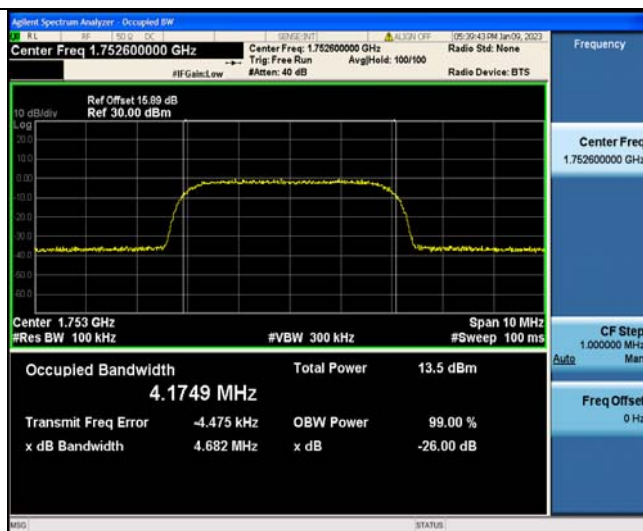




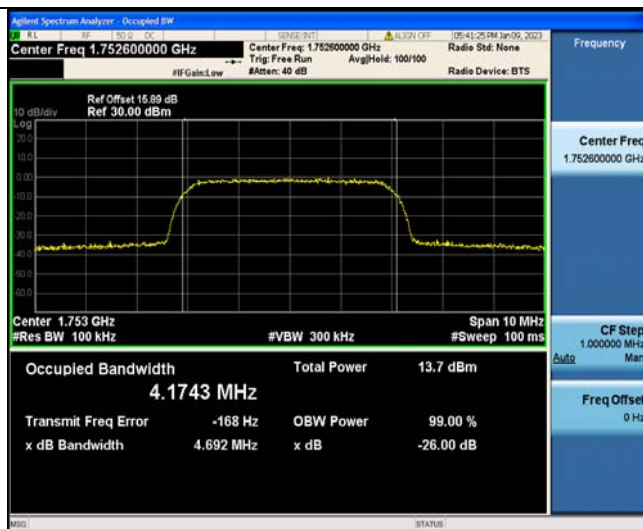
Band4-1413-5-4.664



Band4-1513-1-4.682



Band4-1513-2-4.692

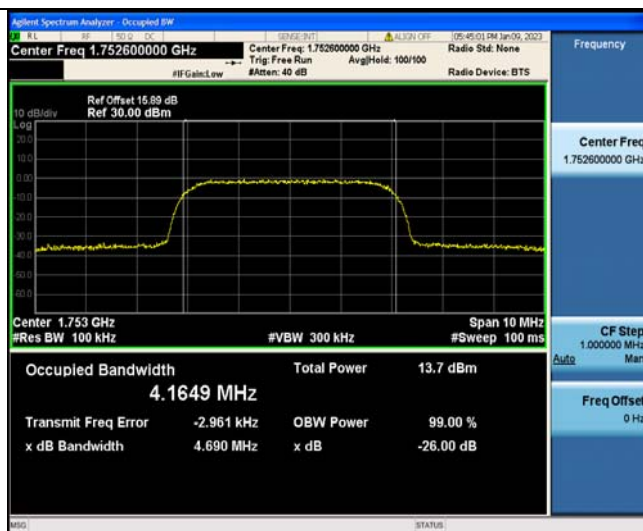




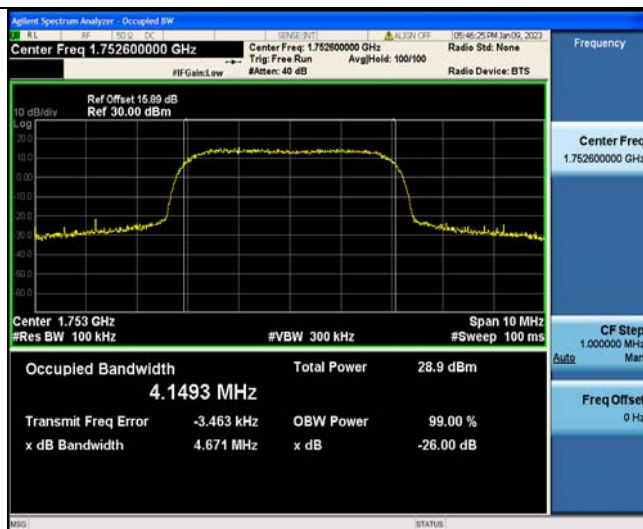
Band4-1513-3-4.700



Band4-1513-4-4.690

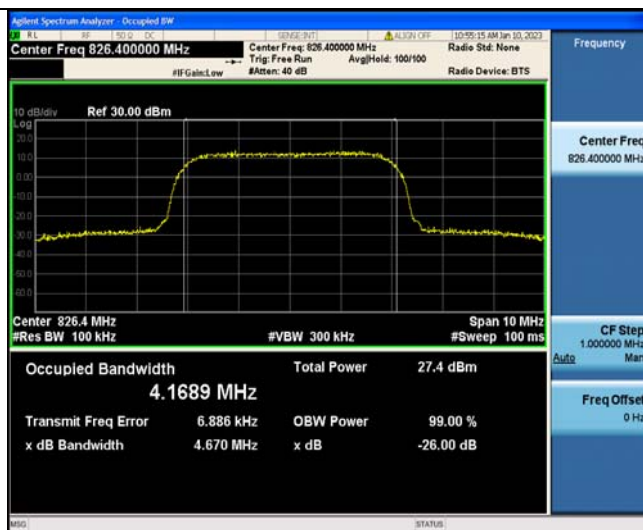


Band4-1513-5-4.671

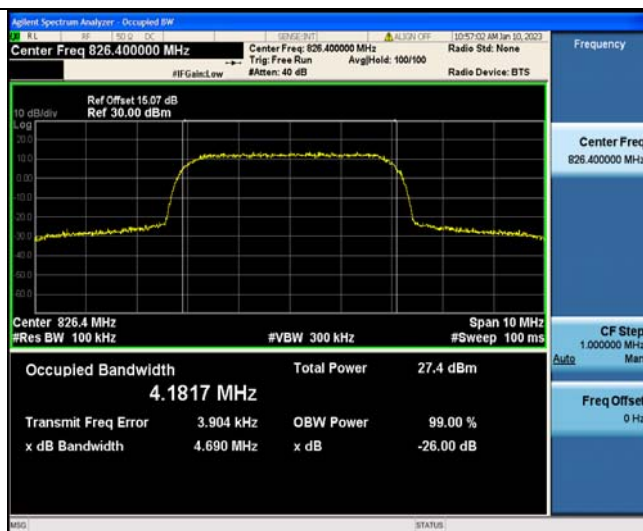




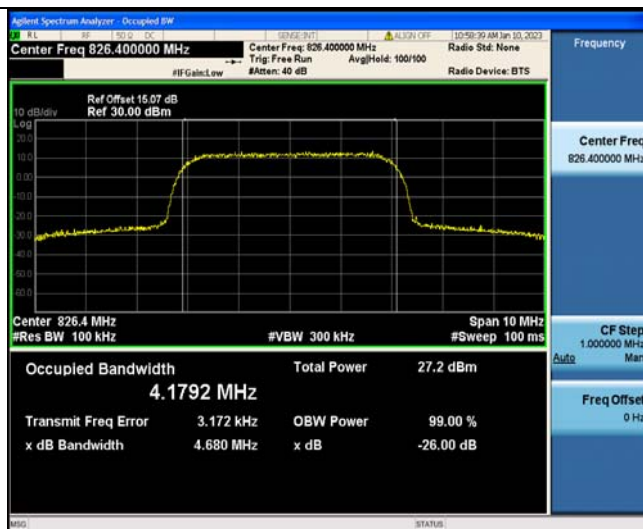
Band5-4132-1-4.670



Band5-4132-2-4.690

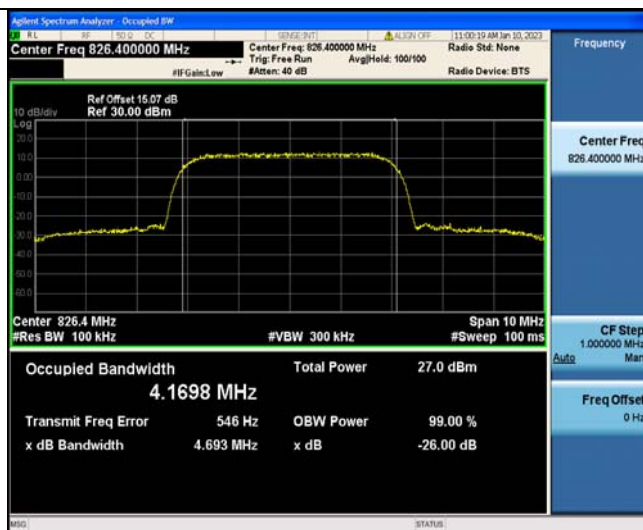


Band5-4132-3-4.680

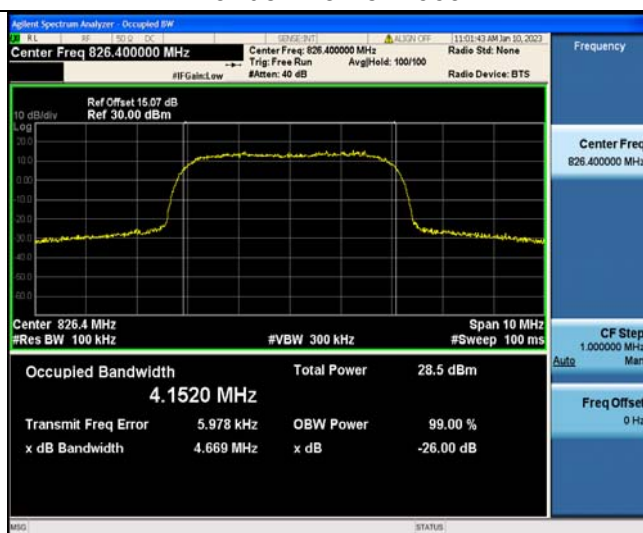




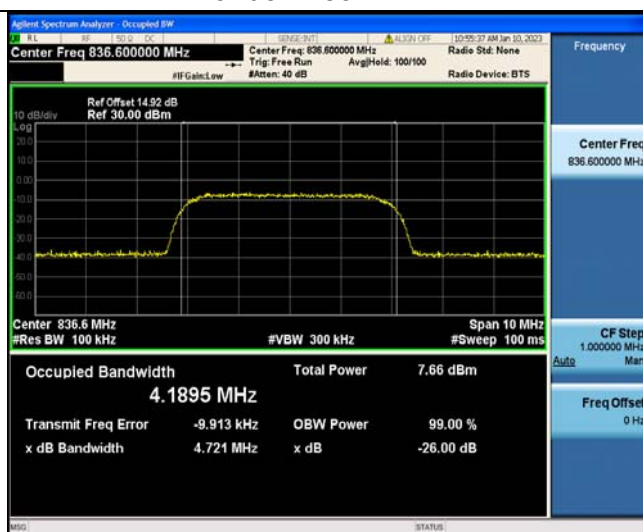
Band5-4132-4-4.693



Band5-4132-5-4.669

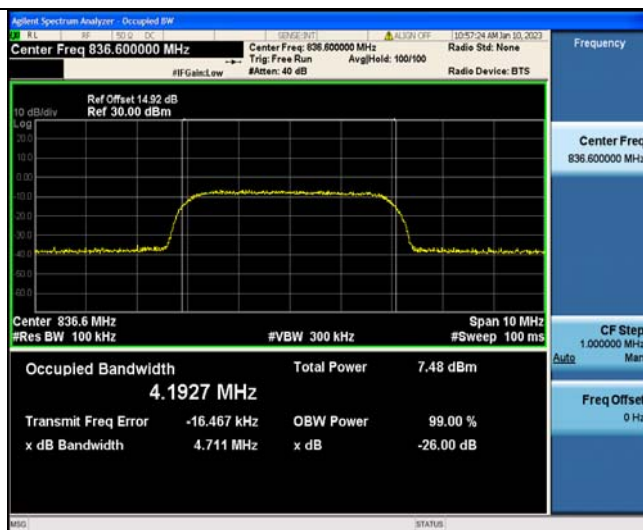


Band5-4183-1-4.721

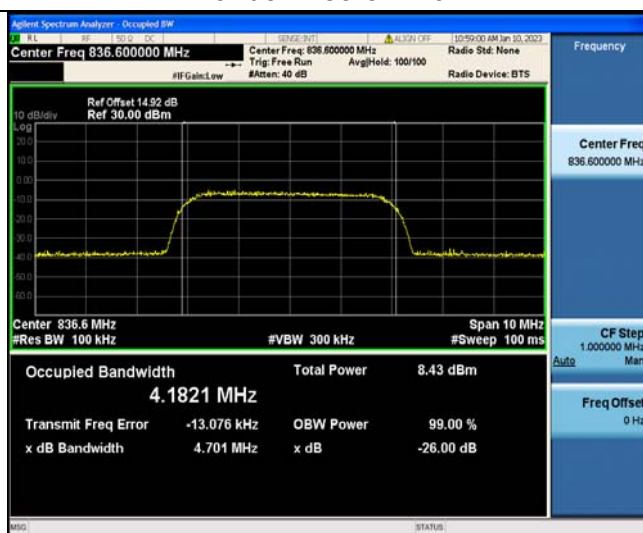




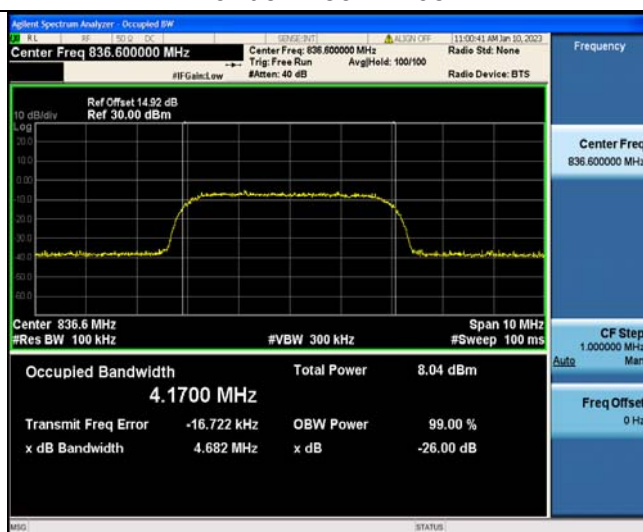
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Band5-4183-3-4.701

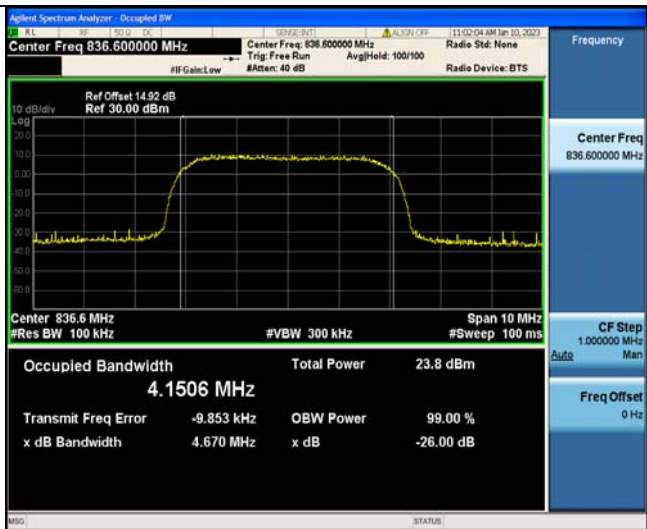


Band5-4183-4-4.682

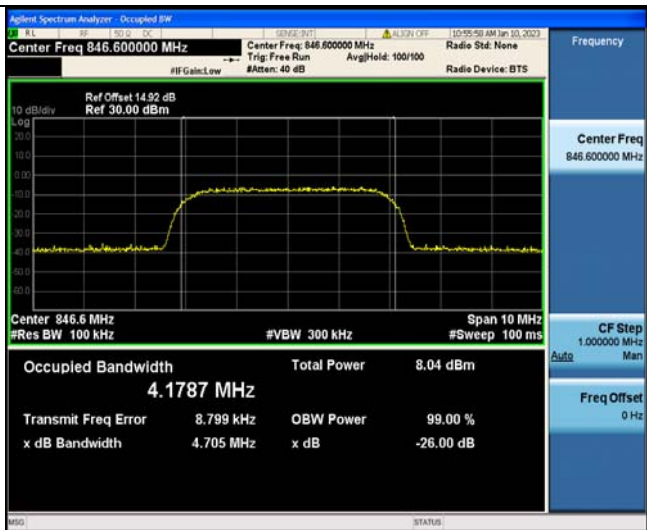




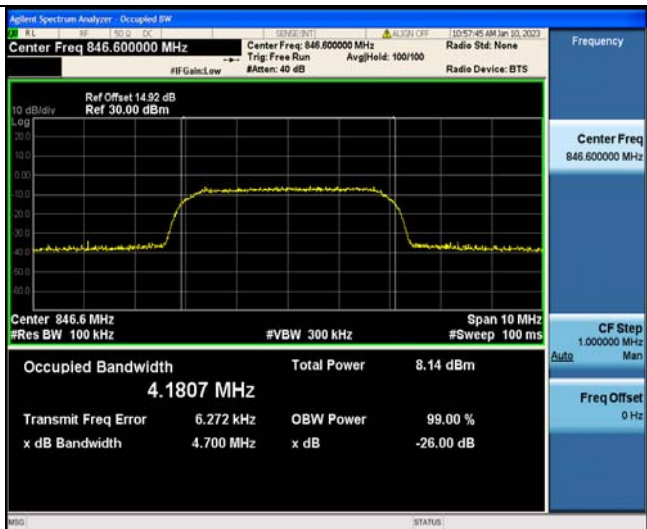
Band5-4183-5-4.670



Band5-4233-1-4.705

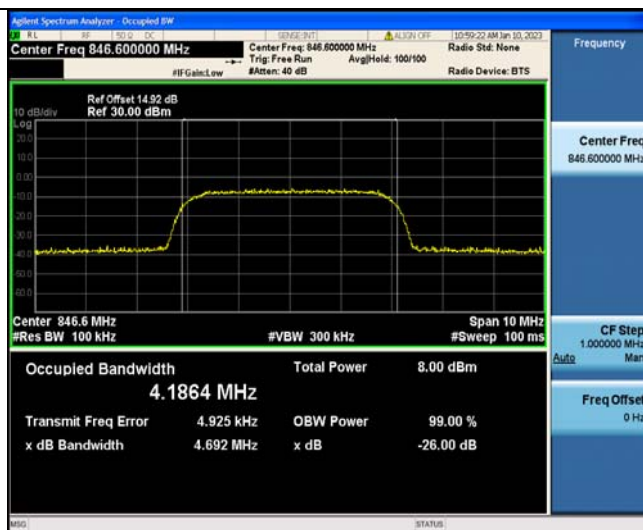


Band5-4233-2-4.700

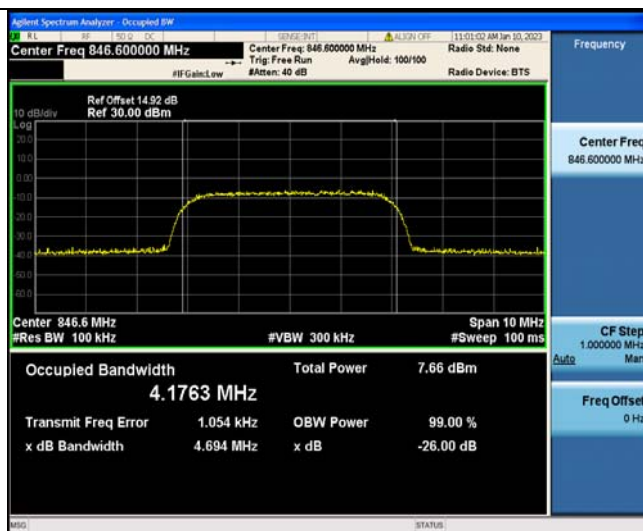




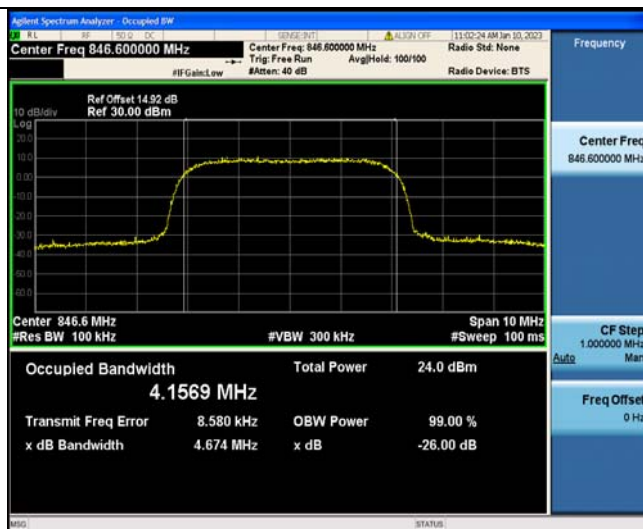
Band5-4233-3-4.692



Band5-4233-4-4.694



Band5-4233-5-4.674





LTE

Band2-1.4MHz-QPSK-18607-6RB#0



Band2-1.4MHz-QPSK-18900-6RB#0



Band2-1.4MHz-QPSK-19193-6RB#0





Band2-1.4MHz-16QAM-18607-6RB#0



Band2-1.4MHz-16QAM-18900-6RB#0



Band2-1.4MHz-16QAM-19193-6RB#0





Band2-3MHz-QPSK-18615-15RB#0



Band2-3MHz-QPSK-18900-15RB#0



Band2-3MHz-QPSK-19185-15RB#0





Band2-3MHz-16QAM-18615-15RB#0



Band2-3MHz-16QAM-18900-15RB#0



Band2-3MHz-16QAM-19185-15RB#0





Band2-5MHz-QPSK-18625-25RB#0



Band2-5MHz-QPSK-18900-25RB#0



Band2-5MHz-QPSK-19175-25RB#0





Band2-5MHz-16QAM-18625-25RB#0



Band2-5MHz-16QAM-18900-25RB#0



Band2-5MHz-16QAM-19175-25RB#0





Band2-10MHz-QPSK-18650-50RB#0



Band2-10MHz-QPSK-18900-50RB#0



Band2-10MHz-QPSK-19150-50RB#0





Band2-10MHz-16QAM-18650-50RB#0



Band2-10MHz-16QAM-18900-50RB#0



Band2-10MHz-16QAM-19150-50RB#0





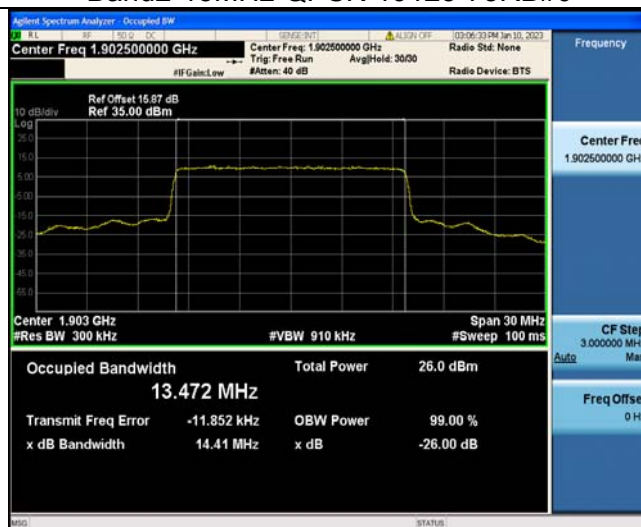
Band2-15MHz-QPSK-18675-75RB#0



Band2-15MHz-QPSK-18900-75RB#0

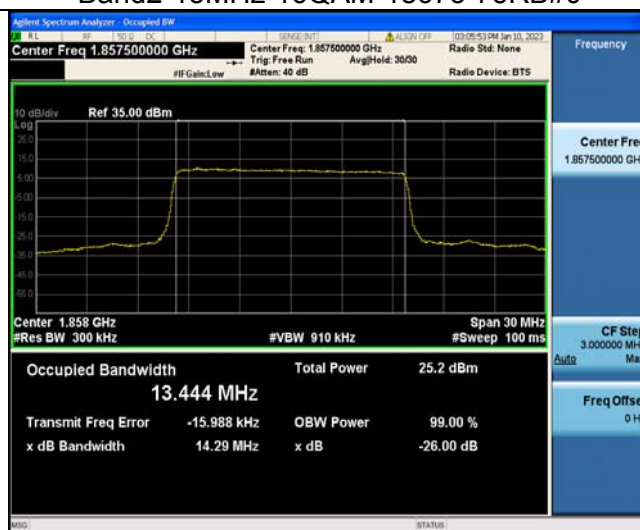


Band2-15MHz-QPSK-19125-75RB#0





Band2-15MHz-16QAM-18675-75RB#0



Band2-15MHz-16QAM-18900-75RB#0



Band2-15MHz-16QAM-19125-75RB#0





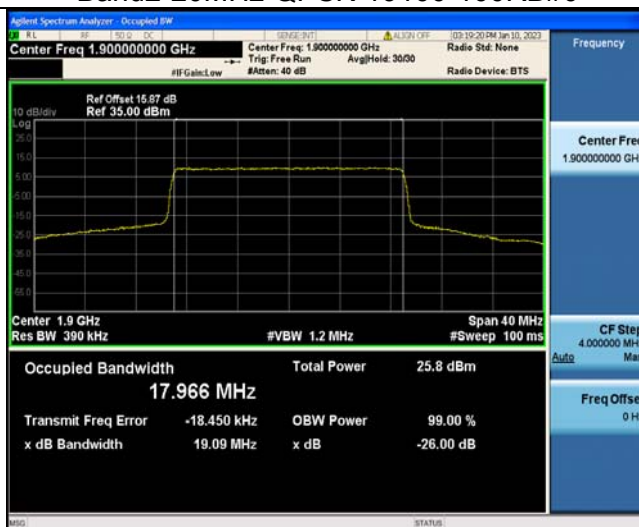
Band2-20MHz-QPSK-18700-100RB#0



Band2-20MHz-QPSK-18900-100RB#0



Band2-20MHz-QPSK-19100-100RB#0





Band2-20MHz-16QAM-18700-100RB#0



Band2-20MHz-16QAM-18900-100RB#0



Band2-20MHz-16QAM-19100-100RB#0





The screenshot displays the Agilent Spectrum Analyzer interface. The main display shows a spectrum plot with a yellow trace. The plot is centered at 1.711 GHz with a span of 3 MHz. The vertical axis represents power in dBm, ranging from -60 to 10. The horizontal axis represents frequency in kHz, ranging from 1.7105 to 1.7115. A sharp signal is visible at 1.711 GHz, with a peak power of approximately -24.7 dBm. The occupied bandwidth (OBW) of the signal is measured as 1.0918 MHz. The resolution bandwidth (RBW) is set to 30 kHz, and the video bandwidth (VBW) is 91 kHz. The sweep rate is 100 ms. The center frequency is 1.710700000 GHz, and the reference level is 35.00 dBm. The signal is identified as 'Free Run' with a trigger level of 40 dB and an average hold time of 30.00. The radio device is identified as 'Radio Std: None'.

Parameter	Value
Center Freq	1.710700000 GHz
Trig	Free Run
Avg/Hold	30.00
Radio Std	None
Radio Device	STS
Center Freq	1.711 GHz
Span	3 MHz
Res BW	30 kHz
VBW	91 kHz
Sweep	100 ms
Occupied Bandwidth	1.0918 MHz
Total Power	-24.7 dBm
Transmit Freq Error	306 Hz
OBW Power	99.00 %
x dB Bandwidth	1.253 MHz
x dB	-26.00 dB

The screenshot displays the Agilent Spectrum Analyzer interface. At the top, the title bar reads "Agilent Spectrum Analyzer - Occupied BW". Below the title bar, the main display area shows a spectrum plot with a yellow trace. The plot has a grid and is labeled with "Ref Offset 15.91 dB" and "Ref 35.00 dBm". The x-axis is labeled "Center Freq 1.732500000 GHz" and the y-axis is labeled "dBm". The plot shows a signal with a peak at 1.7325 GHz, which is marked by a vertical line. The signal level is approximately 25.0 dBm. The plot also shows the noise floor and the occupied bandwidth of the signal.

Key parameters displayed on the screen include:

- Center Freq: 1.732500000 GHz
- Trig: Free Run
- AvgHold: 30.00
- #F Gates: Low
- Radio Stk: None
- Radio Device: BTS
- Center 1.733 GHz
- #Res BW 30 kHz
- #VBW 91 kHz
- Span 3 MHz
- #Sweep 100 ms
- Occupied Bandwidth: 1.0915 MHz
- Total Power: 25.0 dBm
- Transmit Freq Error: -1.334 kHz
- OBW Power: 99.00 %
- x dB Bandwidth: 1.236 MHz
- x dB: -26.00 dB

Agilent Spectrum Analyzer - Occupied BW

Center Freq 1.754300000 GHz

Ref Offset 15.69 dB
Ref 35.00 dBm

Trig: Free Run
#Att: 40 dB

Span 3 MHz
#Res BW 30 kHz
#Sweep 100 ms

Occupied Bandwidth: 1.0918 MHz

Total Power: 25.7 dBm

Transmit Freq Error: -1.511 kHz

OBW Power: 99.00 %

x dB Bandwidth: 1.252 MHz

x dB: -26.00 dB



Band4-1.4MHz-16QAM-19957-6RB#0



Band4-1.4MHz-16QAM-20175-6RB#0



Band4-1.4MHz-16QAM-20393-6RB#0

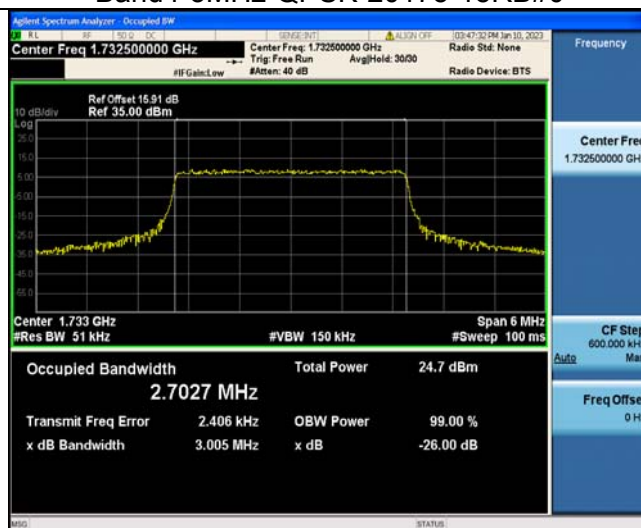




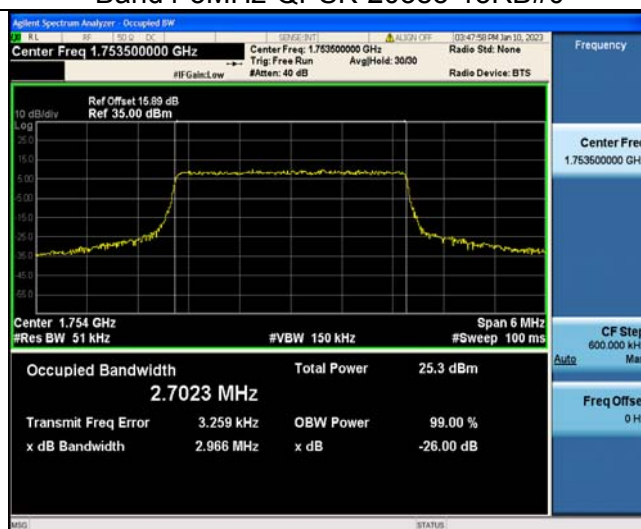
Band4-3MHz-QPSK-19965-15RB#0



Band4-3MHz-QPSK-20175-15RB#0



Band4-3MHz-QPSK-20385-15RB#0







Band4-5MHz-QPSK-19975-25RB#0



Band4-5MHz-QPSK-20175-25RB#0



Band4-5MHz-QPSK-20375-25RB#0





Band4-5MHz-16QAM-19975-25RB#0



Band4-5MHz-16QAM-20175-25RB#0



Band4-5MHz-16QAM-20375-25RB#0





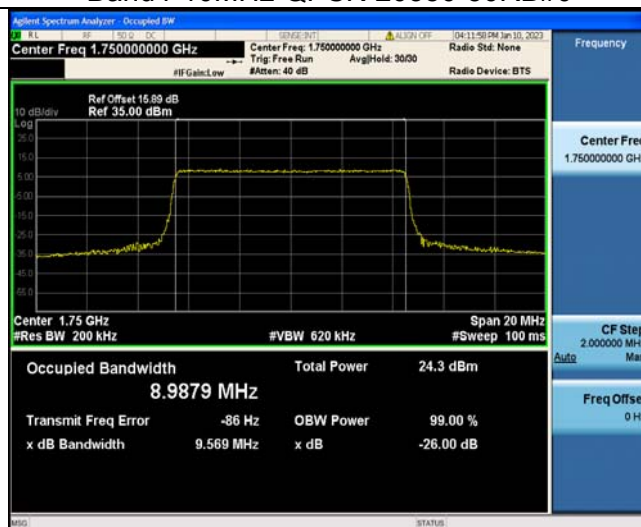
Band4-10MHz-QPSK-20000-50RB#0



Band4-10MHz-QPSK-20175-50RB#0



Band4-10MHz-QPSK-20350-50RB#0





Band4-10MHz-16QAM-20000-50RB#0



Band4-10MHz-16QAM-20175-50RB#0



Band4-10MHz-16QAM-20350-50RB#0





Band4-15MHz-QPSK-20025-75RB#0



Band4-15MHz-QPSK-20175-75RB#0



Band4-15MHz-QPSK-20325-75RB#0





Agilent Spectrum Analyzer - Occupied BW

Center Freq 1.717500000 GHz
 #Res BW 300 kHz
 #VBW 910 kHz
 Span 30 MHz
 #Sweep 100 ms

Occupied Bandwidth: 13.460 MHz

Transmit Freq Error: 5.510 kHz
 x dB Bandwidth: 14.33 MHz

Total Power: 22.5 dBm
 OBW Power: 99.00 %
 x dB: -26.00 dB

The spectrum plot shows a signal centered at 1.7175 GHz with a span of 30 MHz. The signal is a rectangular pulse with a width of approximately 13.46 MHz. The peak power is 22.5 dBm, and the occupied bandwidth is 13.46 MHz. The transmit frequency error is 5.510 kHz, and the x dB bandwidth is 14.33 MHz.

Agilent Spectrum Analyzer - Occupied BW

Center Freq 1.732500000 GHz

Ref Offset 15.91 dB
Ref 35.00 dBm

Center Freq 1.732500000 GHz
Trig: Free Run
#F: Gain Low
#Atten: 40 dB

Radio Device: BTS

Frequency

Center Freq 1.732500000 GHz

CF Step 3.000000 MHz

Auto Man

Freq Offset 0 Hz

Span 30 MHz
#Res BW 300 kHz
#VBW 910 kHz
#Sweep 100 ms

Occupied Bandwidth 13.439 MHz

Total Power 22.9 dBm

Transmit Freq Error 19.002 kHz
OBW Power 99.00 %
x dB Bandwidth 14.27 MHz
x dB -26.00 dB

Agilent Spectrum Analyzer - Occupied BW

Center Freq 1.747500000 GHz
 #F:GalnLow #Atten: 40 dB
 Ref Offset 15.91 dB
 Ref 35.00 dBm

Center Freq 1.747500000 GHz
 Trig: Free Run Avg/Hold: 30.00
 Radio Stud: None
 Radio Device: BTS

Center 1.748 GHz
 #Res BW 300 kHz
 #VBW 910 kHz
 Span 30 MHz
 #Sweep 100 ms

Occupied Bandwidth	Total Power	23.3 dBm
13.479 MHz		
Transmit Freq Error	-19.363 kHz	OBW Power 99.00 %
x dB Bandwidth	14.34 MHz	x dB -26.00 dB

Frequency 1.747500000 GHz

CF Step 3.000000 MHz

Auto Man

Freq Offset 0 Hz