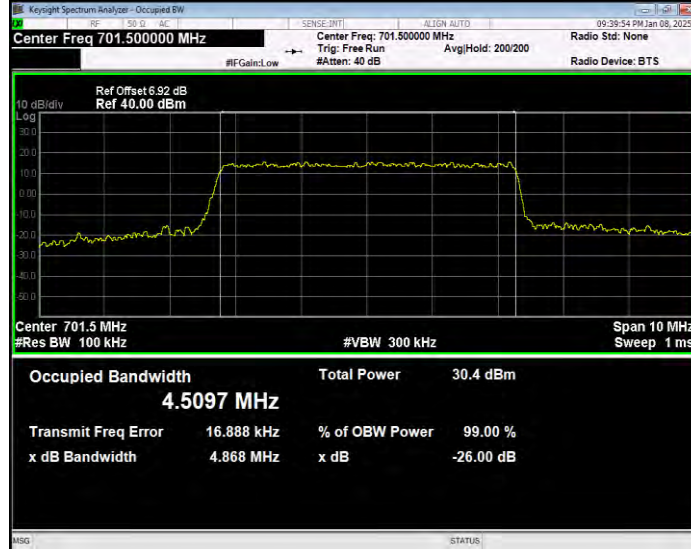
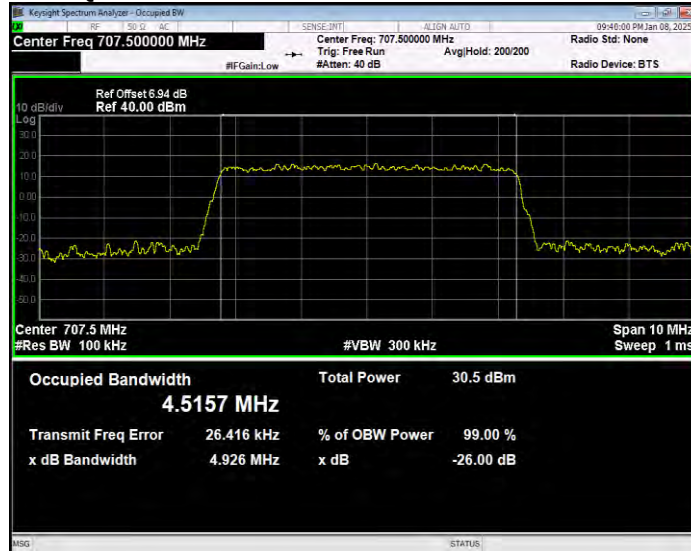


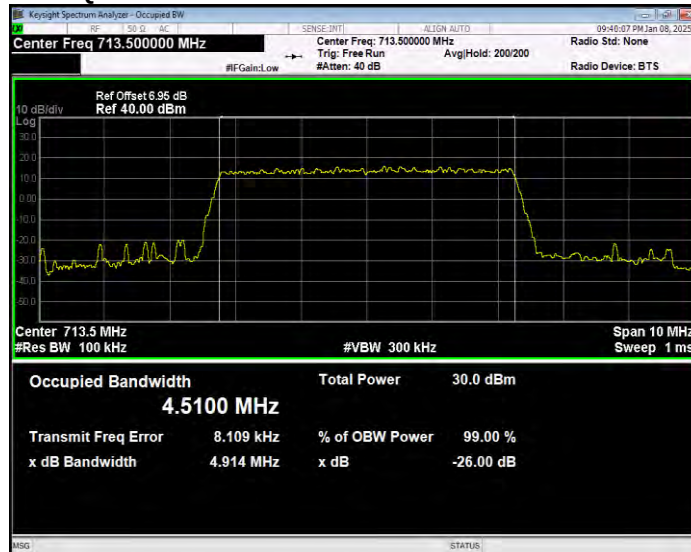
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



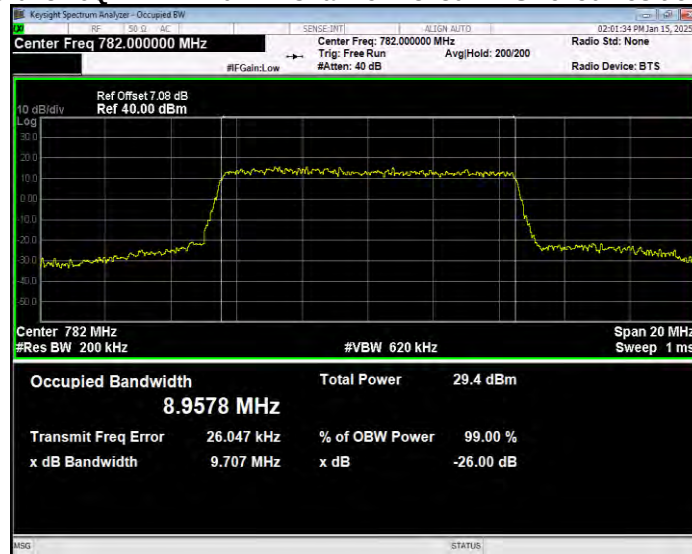
Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0



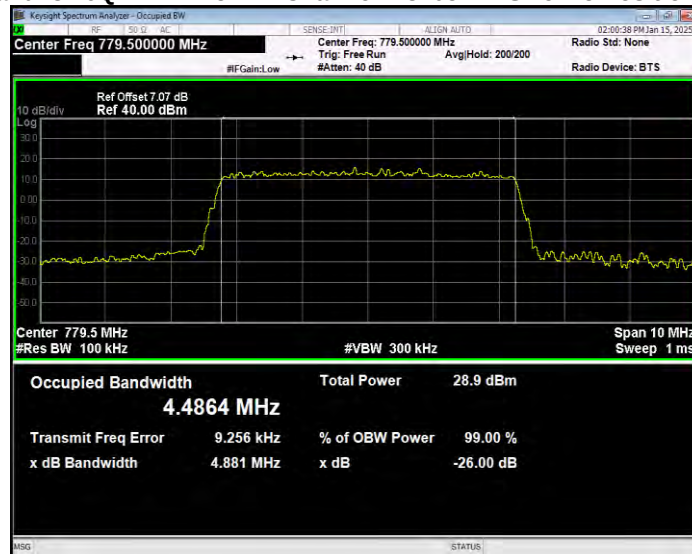
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



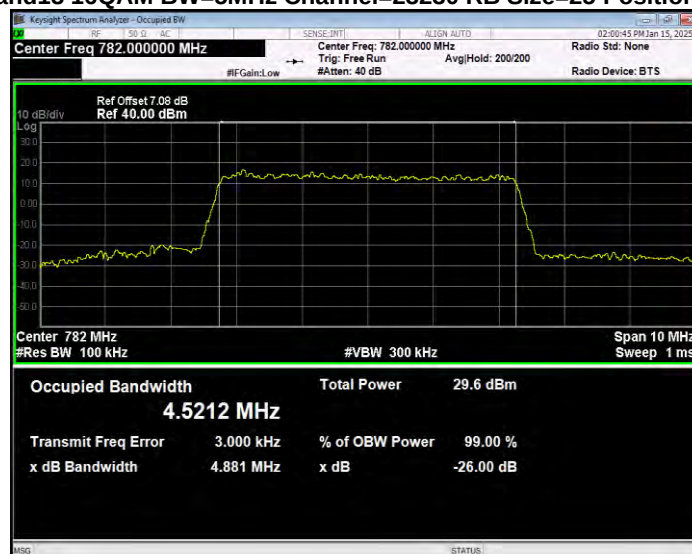
# Band13 16QAM BW=10MHz Channel=23230 RB Size=50 Position=#0



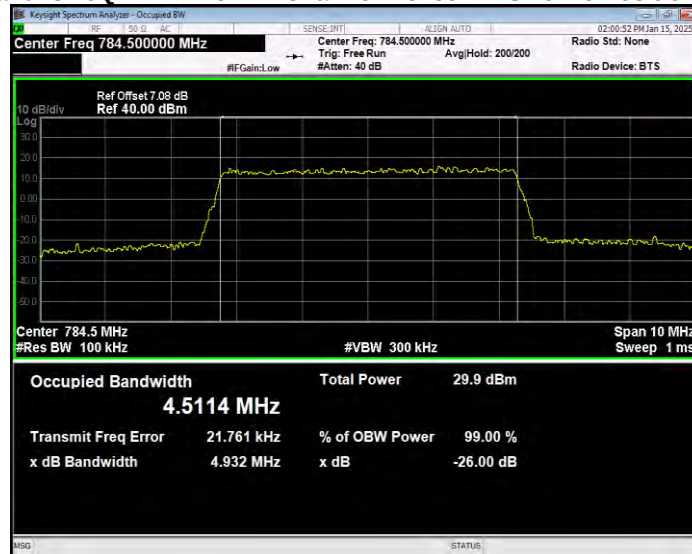
# Band13 16QAM BW=5MHz Channel=23205 RB Size=25 Position=#0



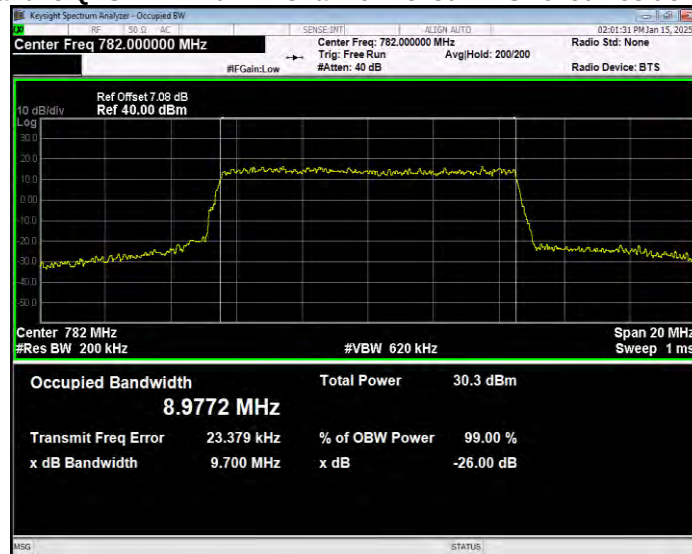
# Band13 16QAM BW=5MHz Channel=23230 RB Size=25 Position=#0



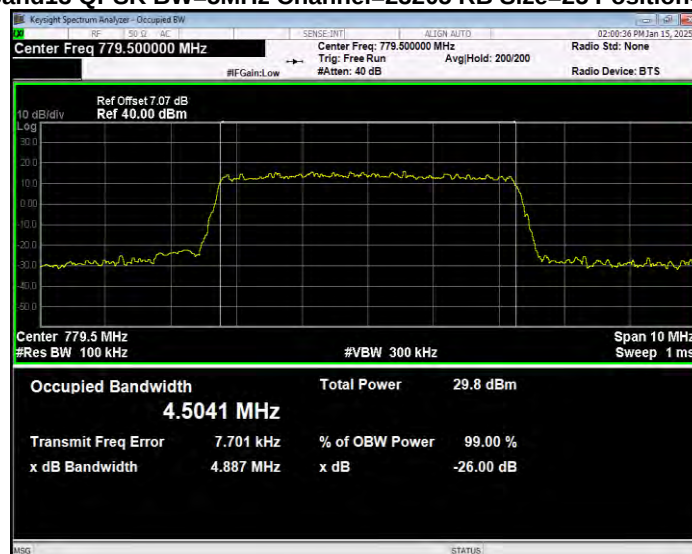
### Band13 16QAM BW=5MHz Channel=23255 RB Size=25 Position=#0



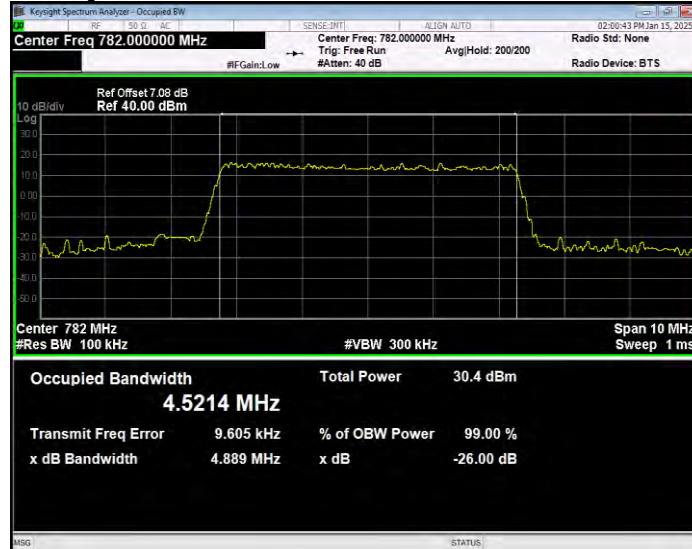
### Band13 QPSK BW=10MHz Channel=23230 RB Size=50 Position=#0



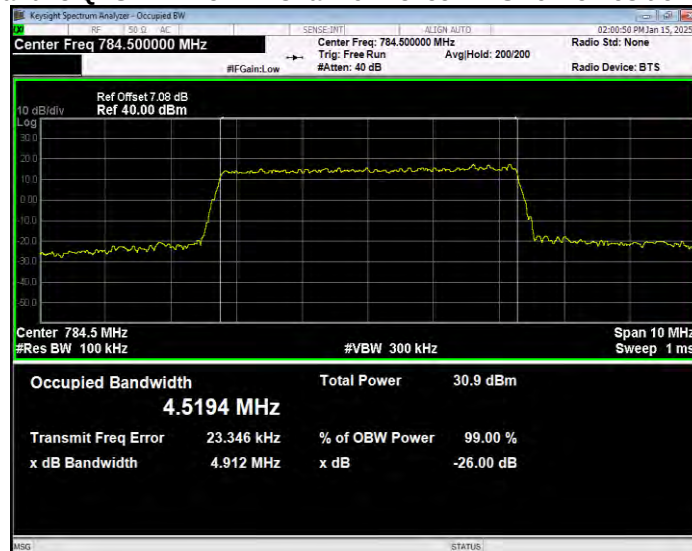
### Band13 QPSK BW=5MHz Channel=23205 RB Size=25 Position=#0



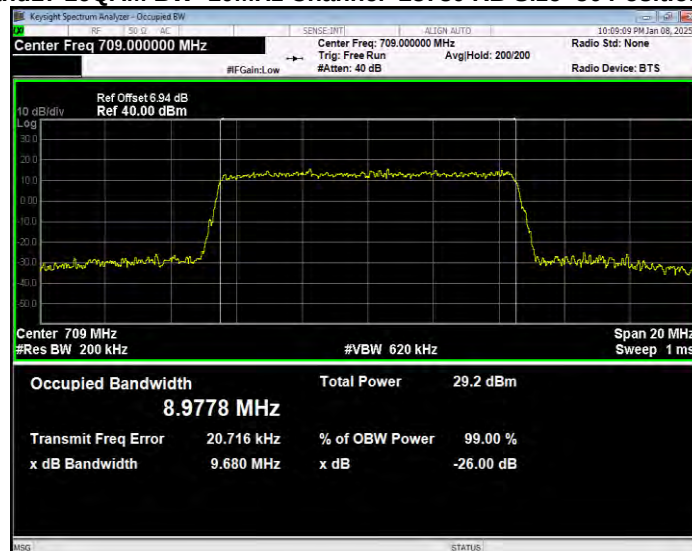
**Band13 QPSK BW=5MHz Channel=23230 RB Size=25 Position=#0**



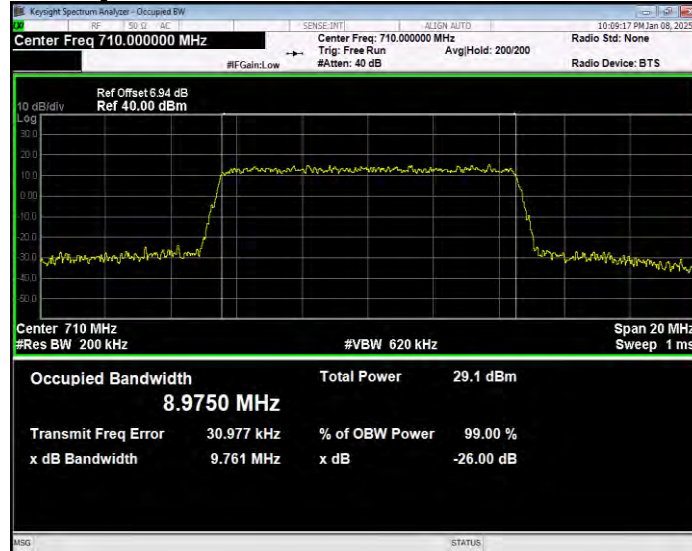
**Band13 QPSK BW=5MHz Channel=23255 RB Size=25 Position=#0**



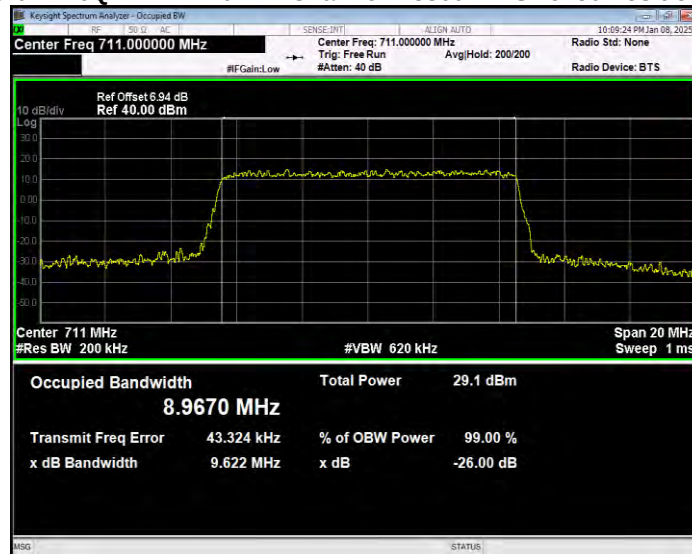
**Band17 16QAM BW=10MHz Channel=23780 RB Size=50 Position=#0**



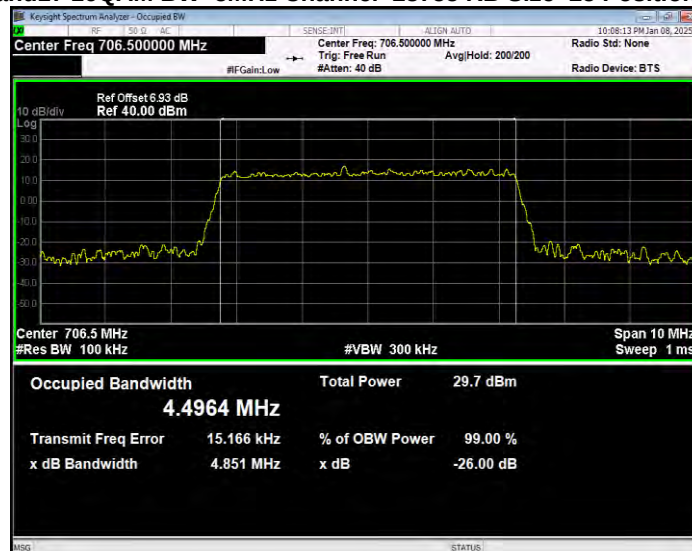
# Band17 16QAM BW=10MHz Channel=23790 RB Size=50 Position=#0



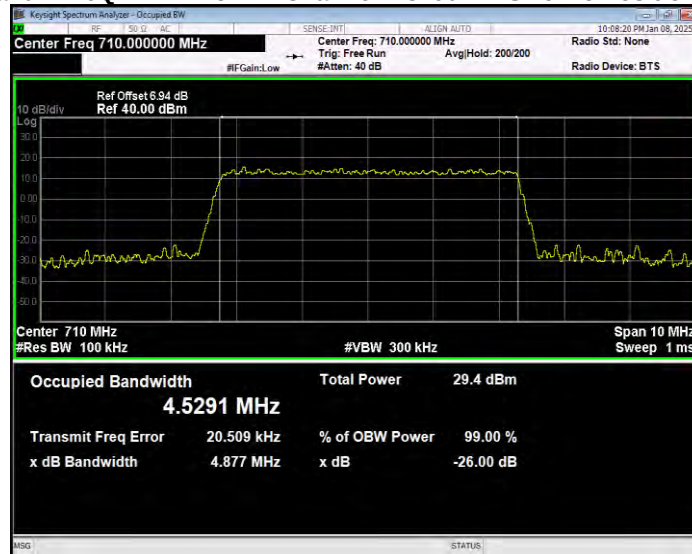
# Band17 16QAM BW=10MHz Channel=23800 RB Size=50 Position=#0



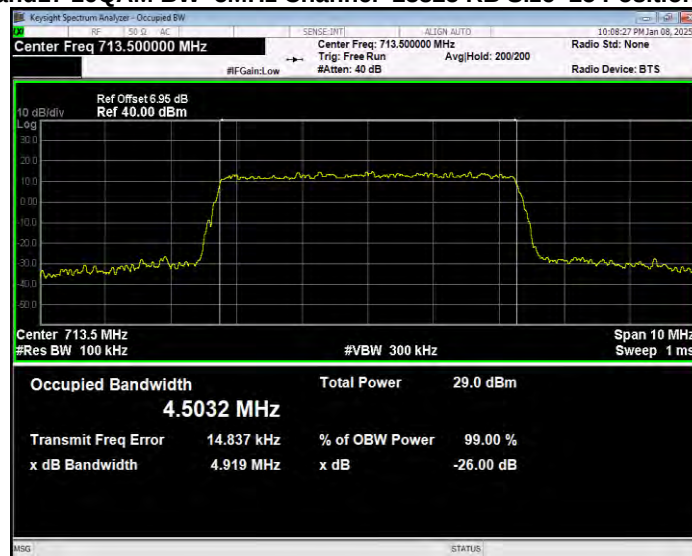
# Band17 16QAM BW=5MHz Channel=23755 RB Size=25 Position=#0



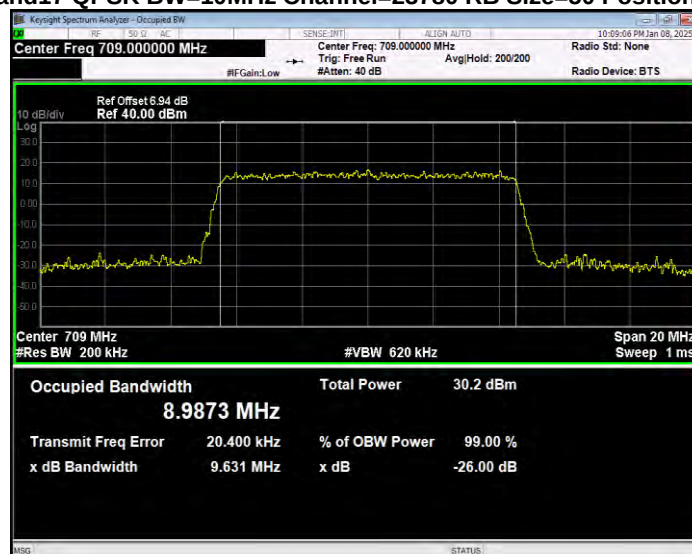
# Band17 16QAM BW=5MHz Channel=23790 RB Size=25 Position=#0



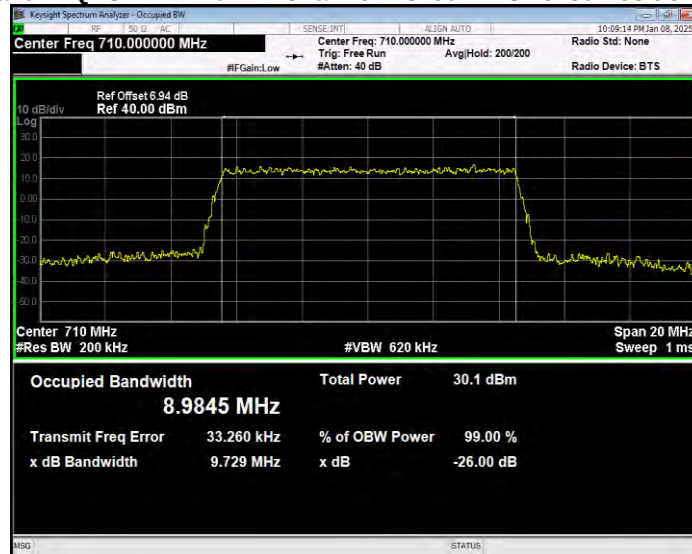
# Band17 16QAM BW=5MHz Channel=23825 RB Size=25 Position=#0



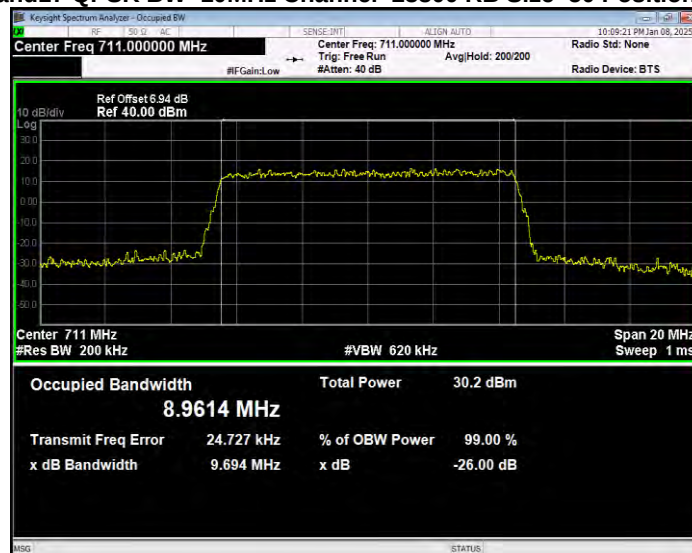
# Band17 QPSK BW=10MHz Channel=23780 RB Size=50 Position=#0



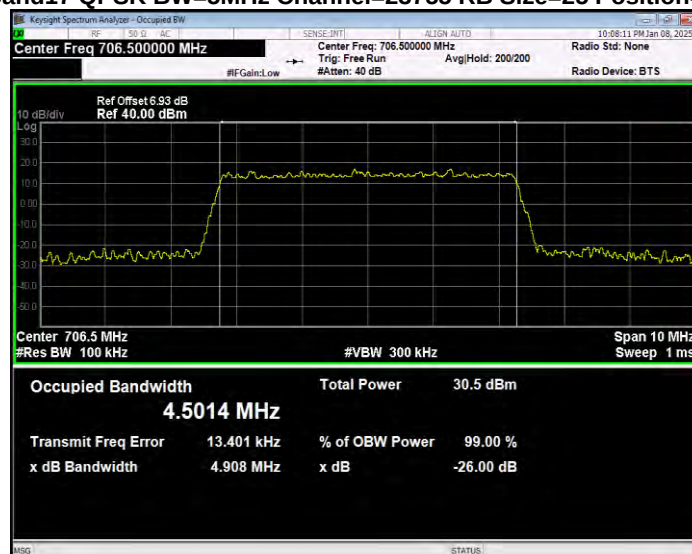
# Band17 QPSK BW=10MHz Channel=23790 RB Size=50 Position=#0



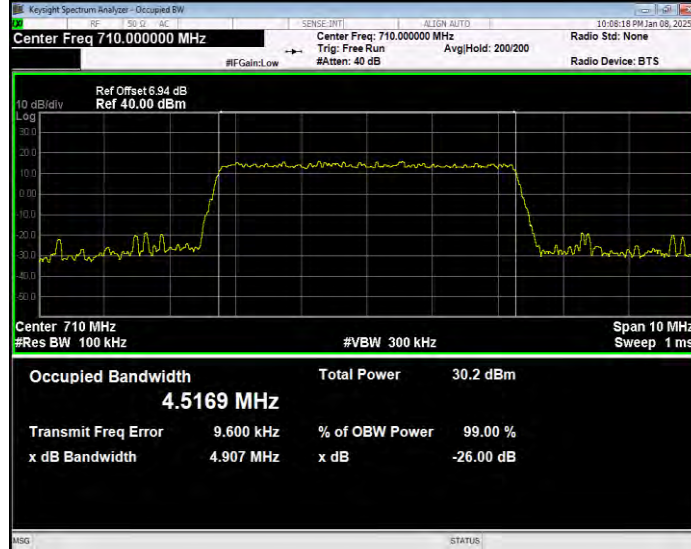
# Band17 QPSK BW=10MHz Channel=23800 RB Size=50 Position=#0



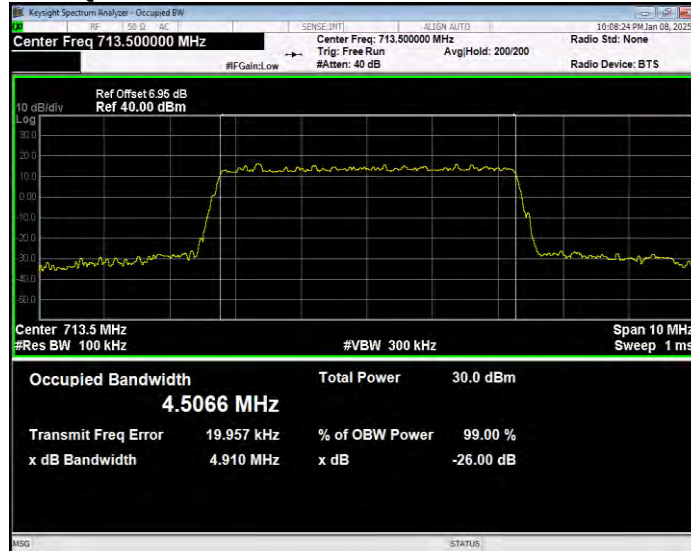
# Band17 QPSK BW=5MHz Channel=23755 RB Size=25 Position=#0



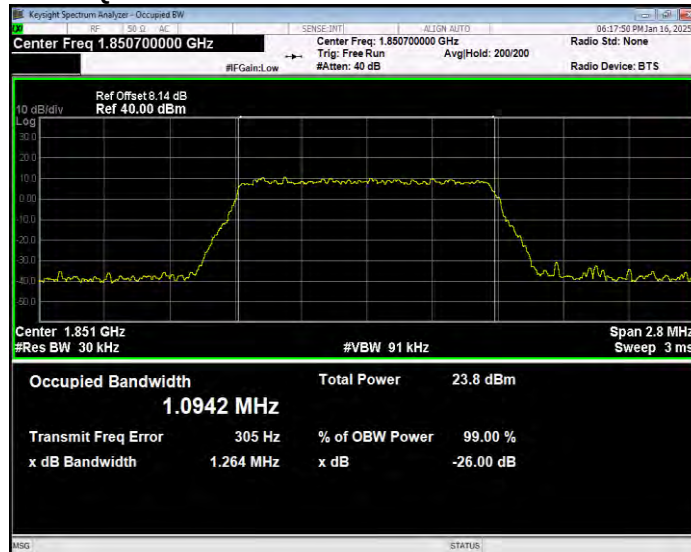
Band17 QPSK BW=5MHz Channel=23790 RB Size=25 Position=#0



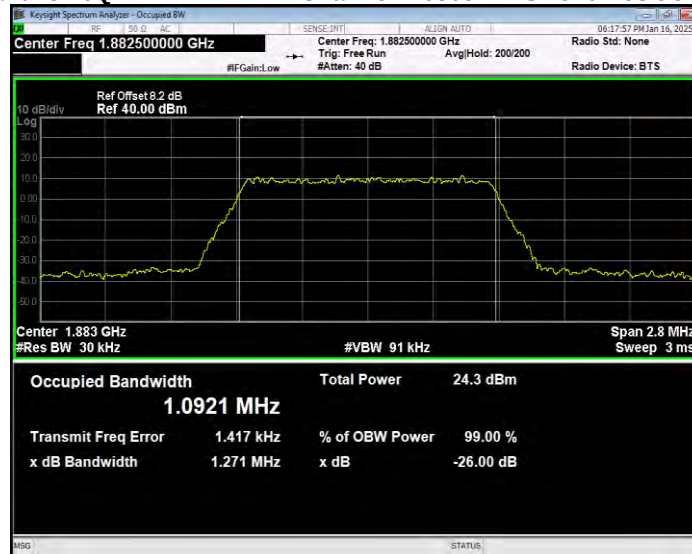
Band17 QPSK BW=5MHz Channel=23825 RB Size=25 Position=#0



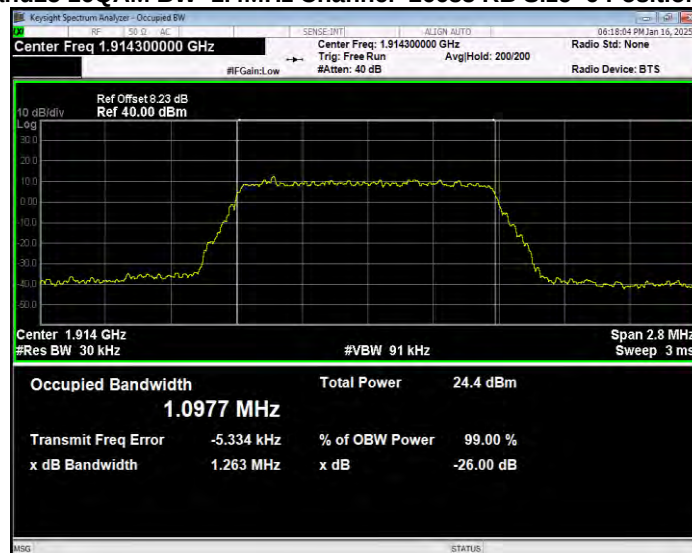
Band25 16QAM BW=1.4MHz Channel=26047 RB Size=6 Position=#0



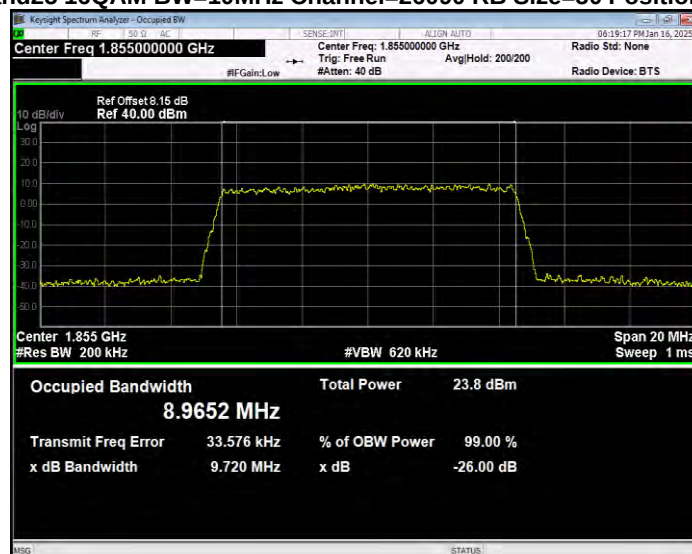
# Band25 16QAM BW=1.4MHz Channel=26365 RB Size=6 Position=#0



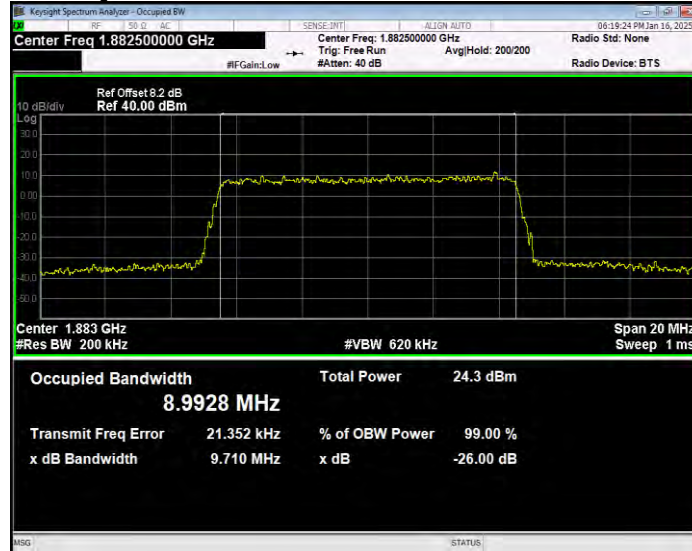
# Band25 16QAM BW=1.4MHz Channel=26683 RB Size=6 Position=#0



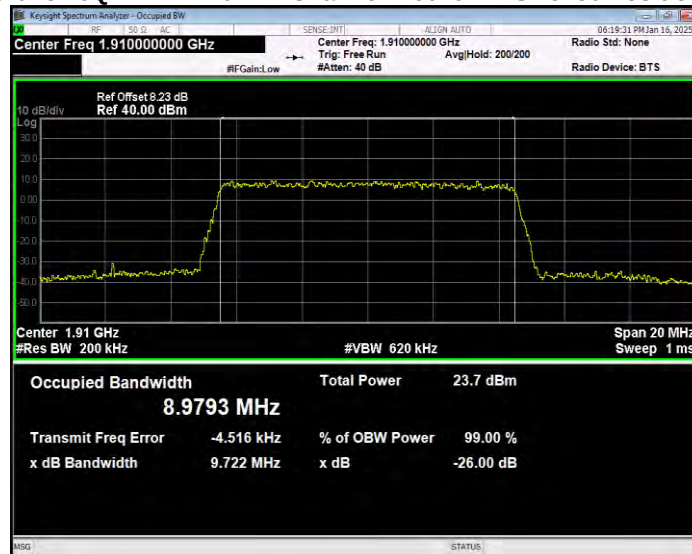
# Band25 16QAM BW=10MHz Channel=26090 RB Size=50 Position=#0



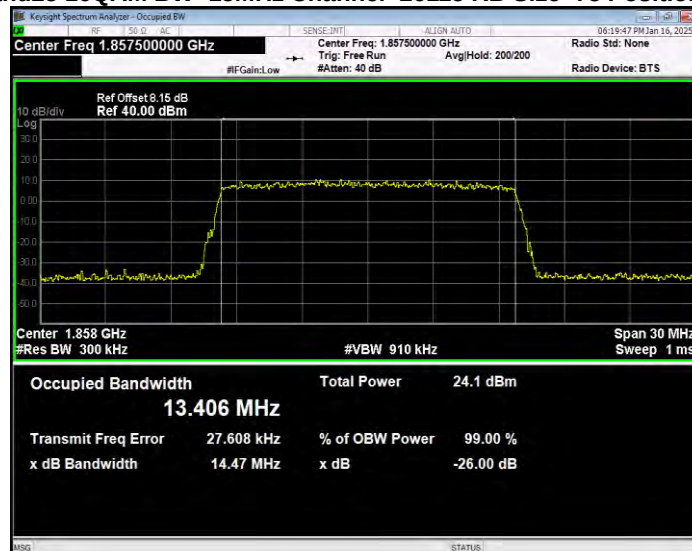
# **Band25 16QAM BW=10MHz Channel=26365 RB Size=50 Position=#0**



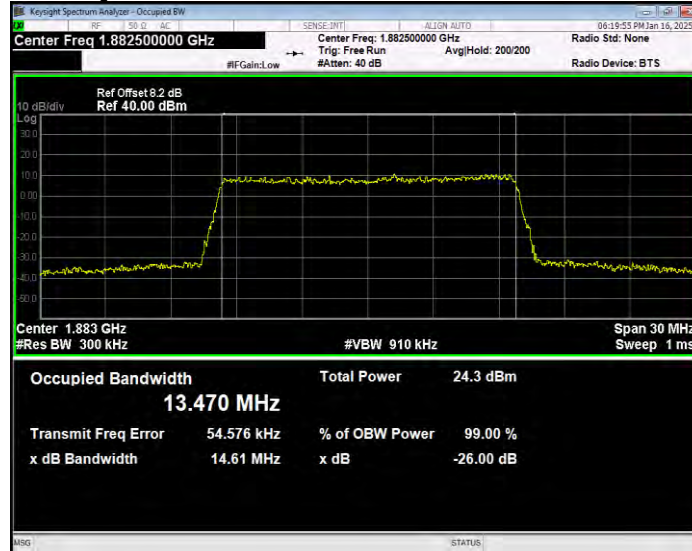
# **Band25 16QAM BW=10MHz Channel=26640 RB Size=50 Position=#0**



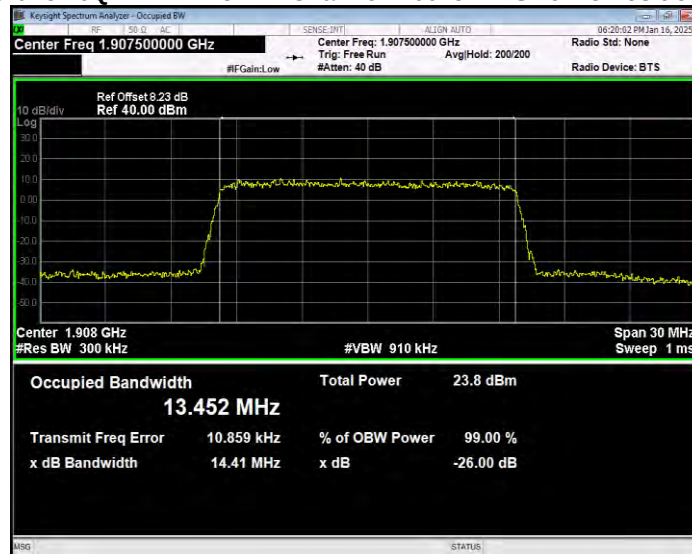
# **Band25 16QAM BW=15MHz Channel=26115 RB Size=75 Position=#0**



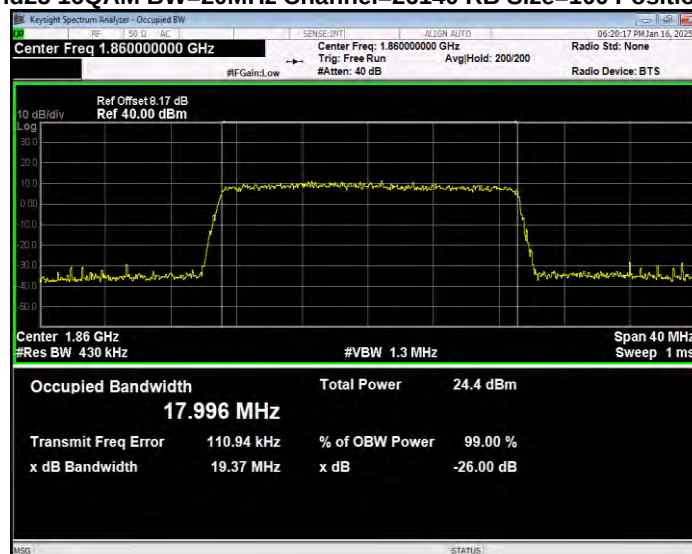
**Band25 16QAM BW=15MHz Channel=26365 RB Size=75 Position=#0**



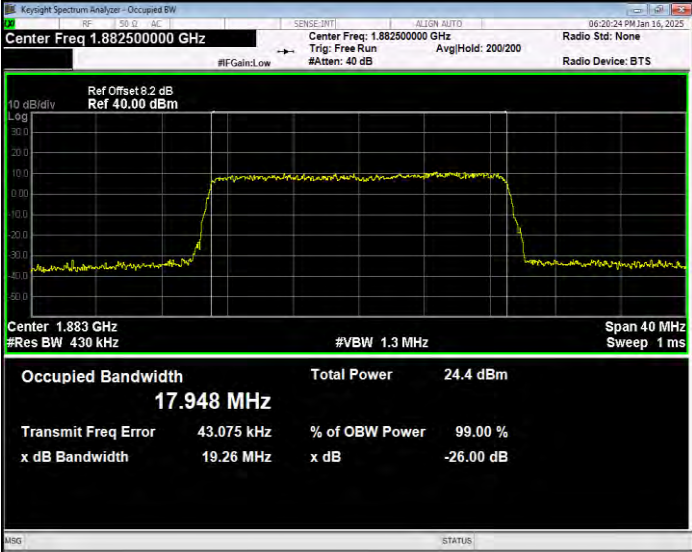
**Band25 16QAM BW=15MHz Channel=26615 RB Size=75 Position=#0**



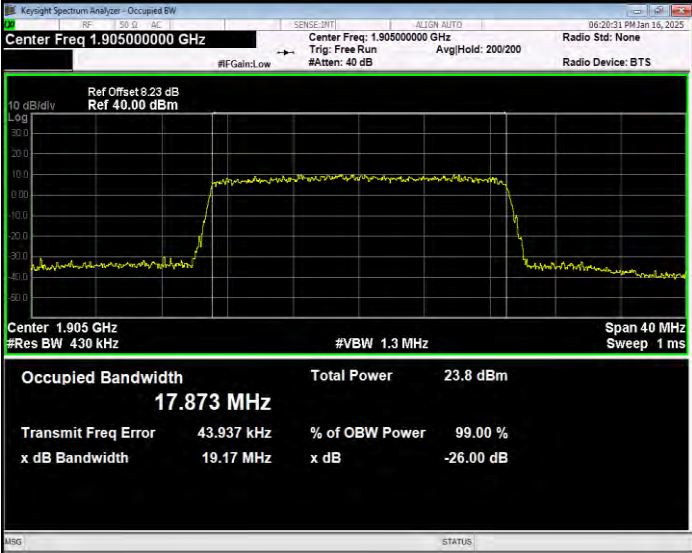
**Band25 16QAM BW=20MHz Channel=26140 RB Size=100 Position=#0**



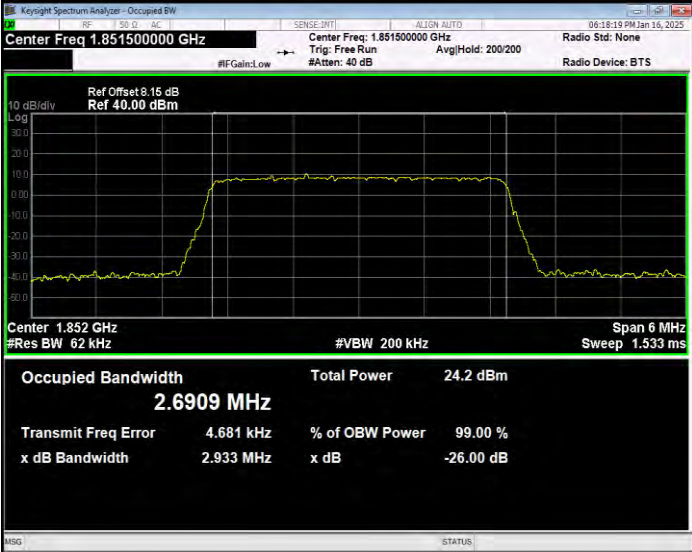
Band25 16QAM BW=20MHz Channel=26365 RB Size=100 Position=#0



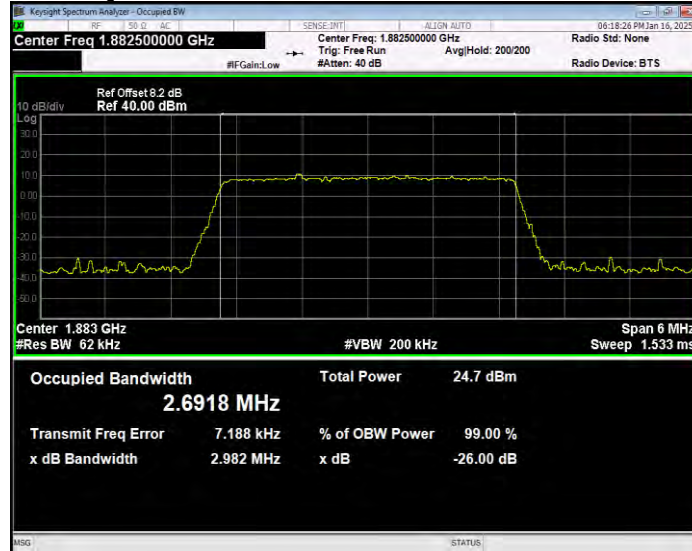
Band25 16QAM BW=20MHz Channel=26590 RB Size=100 Position=#0



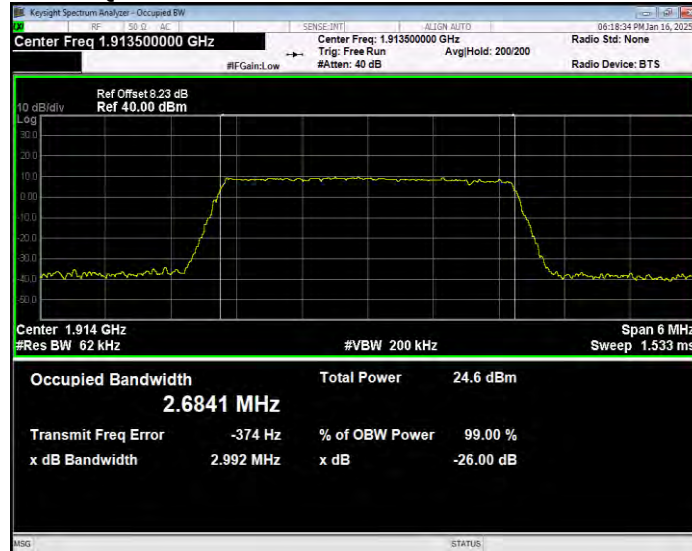
Band25 16QAM BW=3MHz Channel=26055 RB Size=15 Position=#0



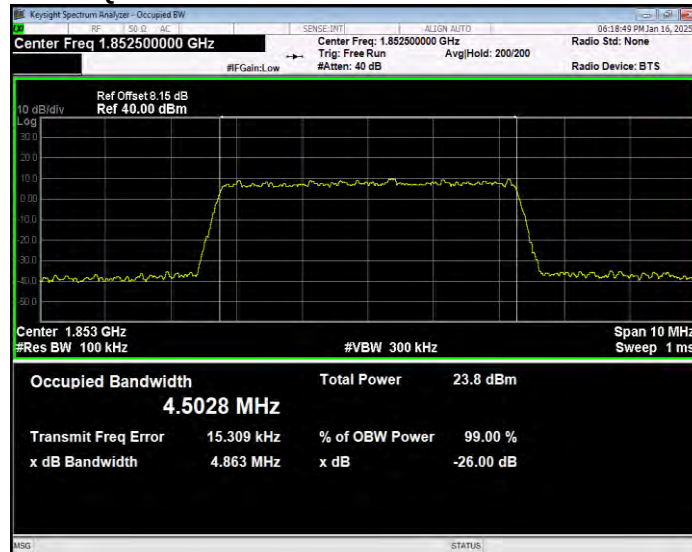
**Band25 16QAM BW=3MHz Channel=26365 RB Size=15 Position=#0**



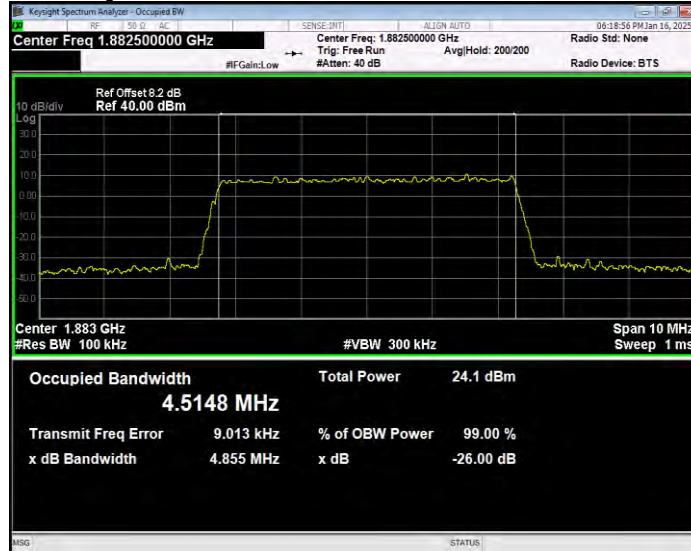
**Band25 16QAM BW=3MHz Channel=26675 RB Size=15 Position=#0**



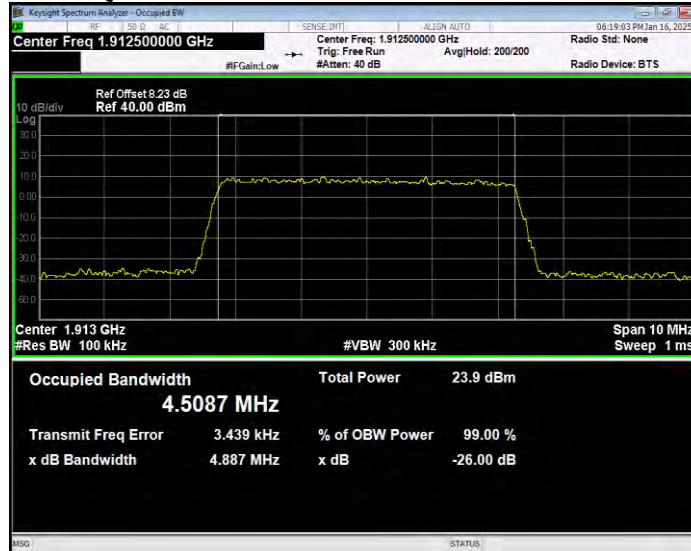
**Band25 16QAM BW=5MHz Channel=26065 RB Size=25 Position=#0**



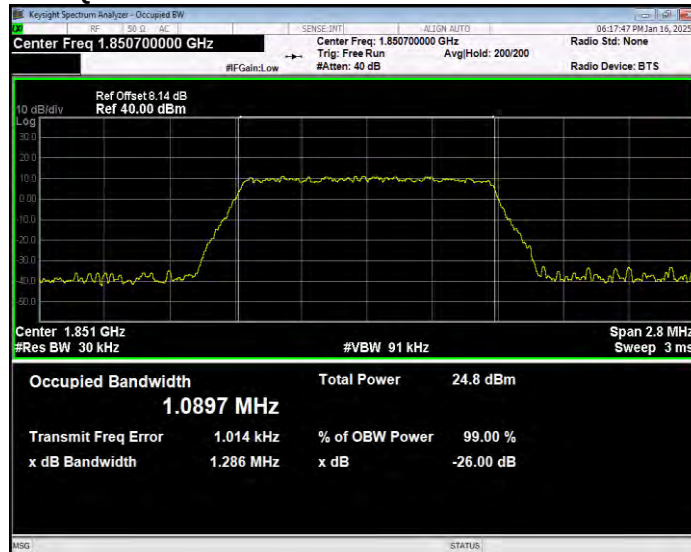
# Band25 16QAM BW=5MHz Channel=26365 RB Size=25 Position=#0



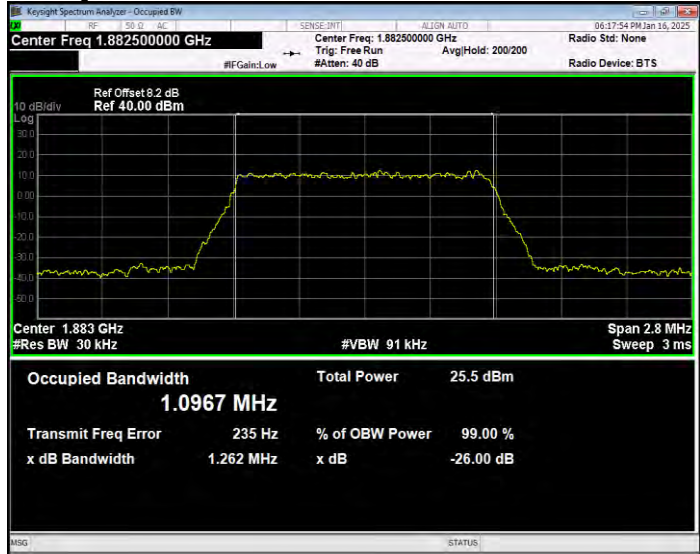
# Band25 16QAM BW=5MHz Channel=26665 RB Size=25 Position=#0



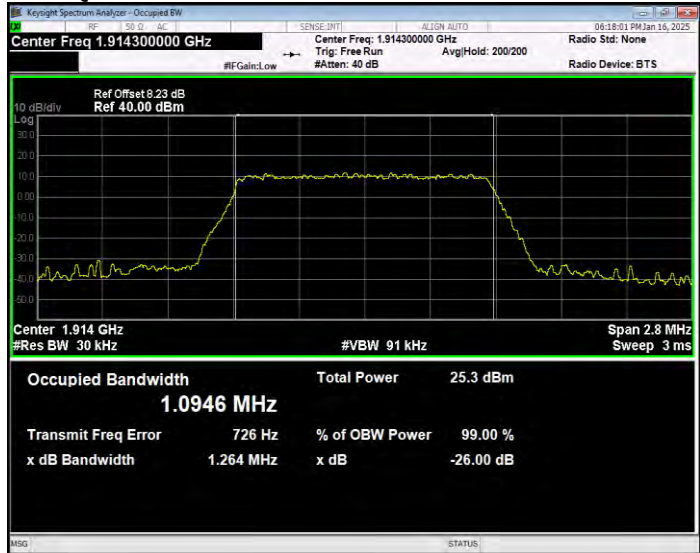
# Band25 QPSK BW=1.4MHz Channel=26047 RB Size=6 Position=#0



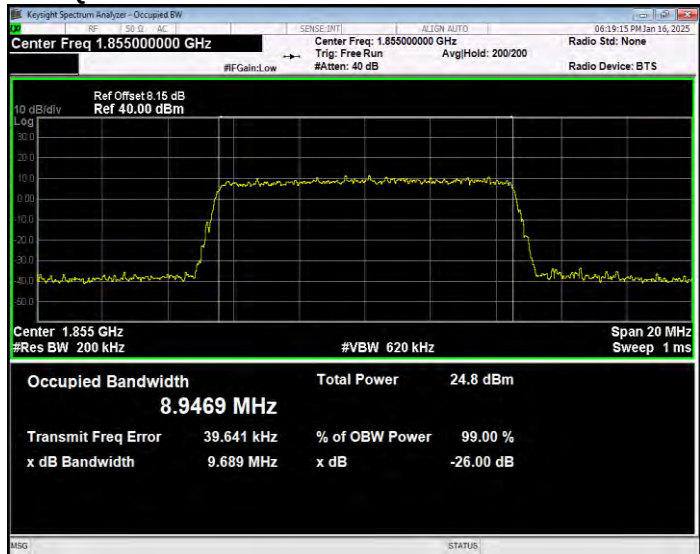
Band25 QPSK BW=1.4MHz Channel=26365 RB Size=6 Position=#0

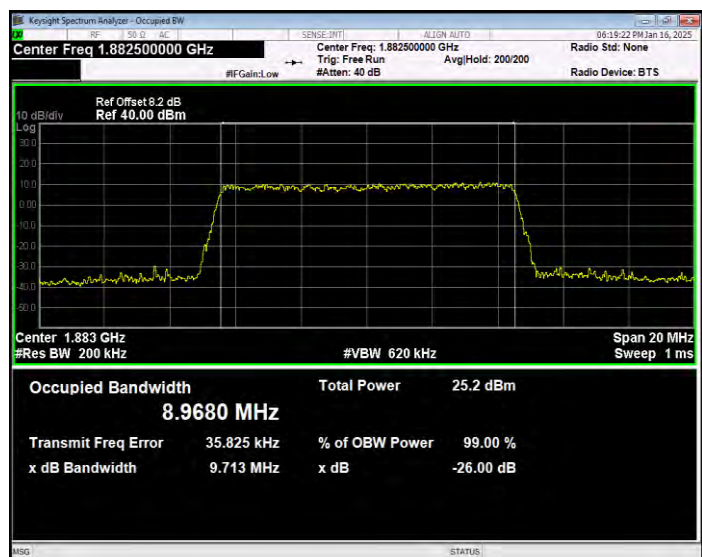


Band25 QPSK BW=1.4MHz Channel=26683 RB Size=6 Position=#0

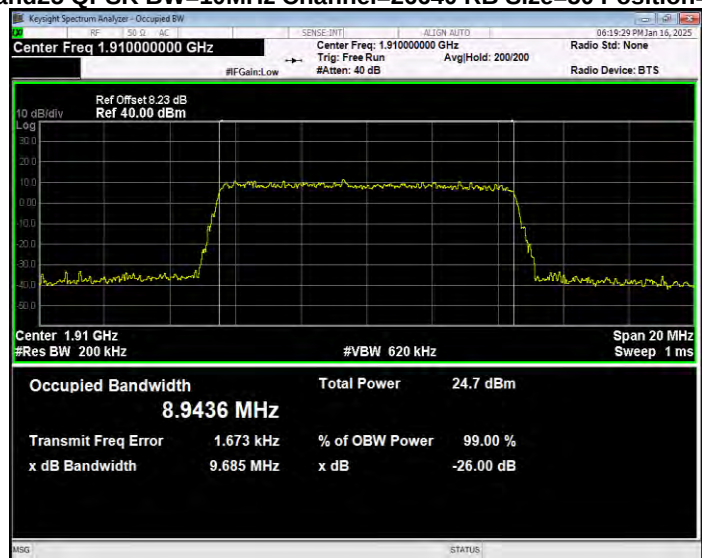


Band25 QPSK BW=10MHz Channel=26090 RB Size=50 Position=#0

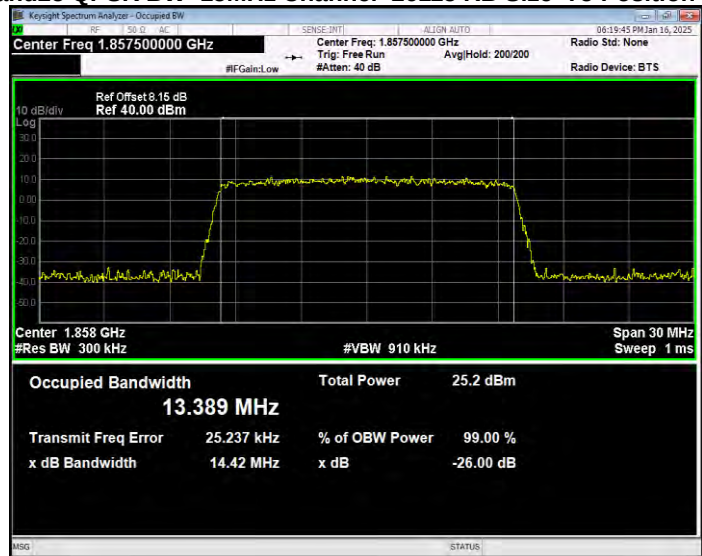




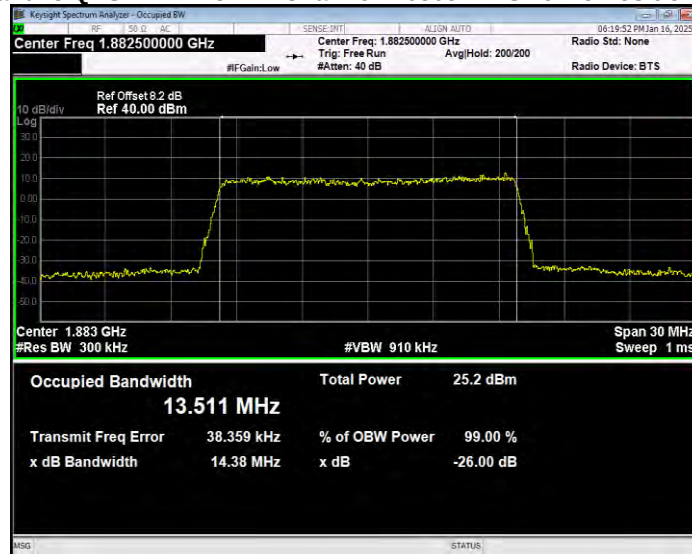
Band25 QPSK BW=10MHz Channel=26640 RB Size=50 Position=#0



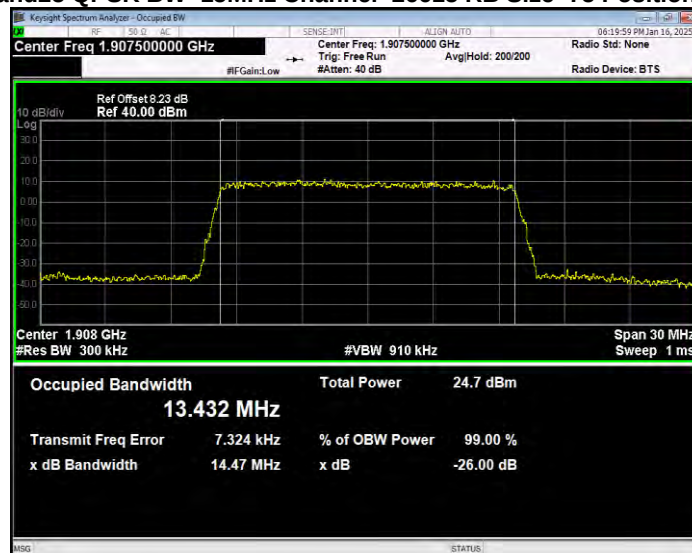
Band25 QPSK BW=15MHz Channel=26115 RB Size=75 Position=#0



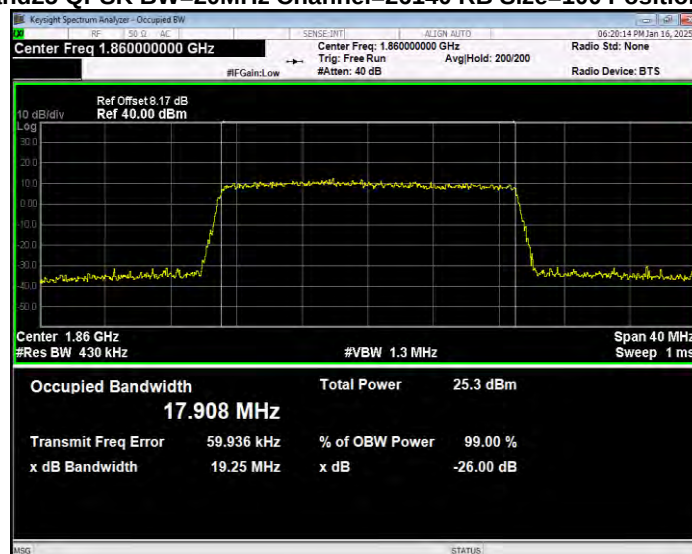
Band25 QPSK BW=15MHz Channel=26365 RB Size=75 Position=#0



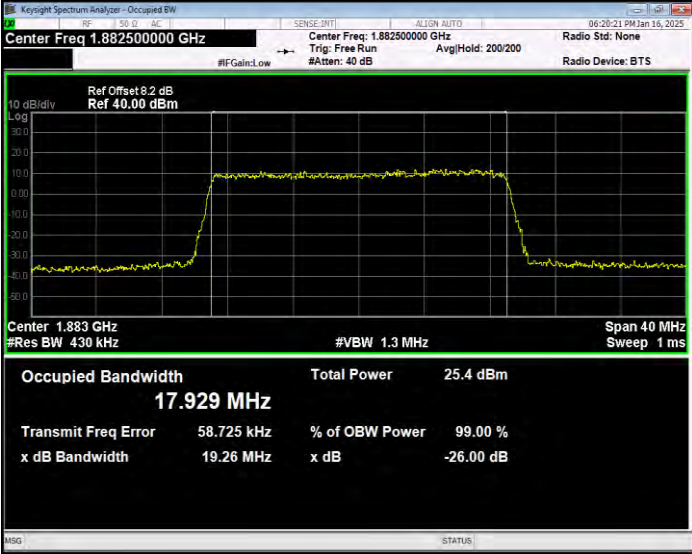
Band25 QPSK BW=15MHz Channel=26615 RB Size=75 Position=#0



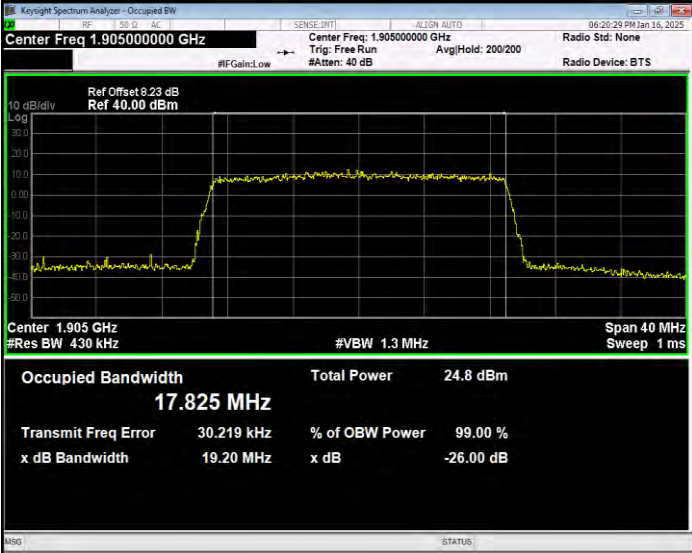
Band25 QPSK BW=20MHz Channel=26140 RB Size=100 Position=#0



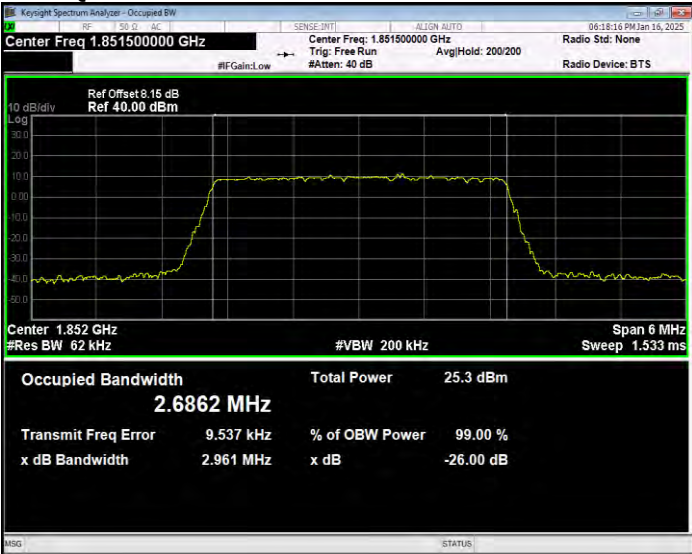
Band25 QPSK BW=20MHz Channel=26365 RB Size=100 Position=#0



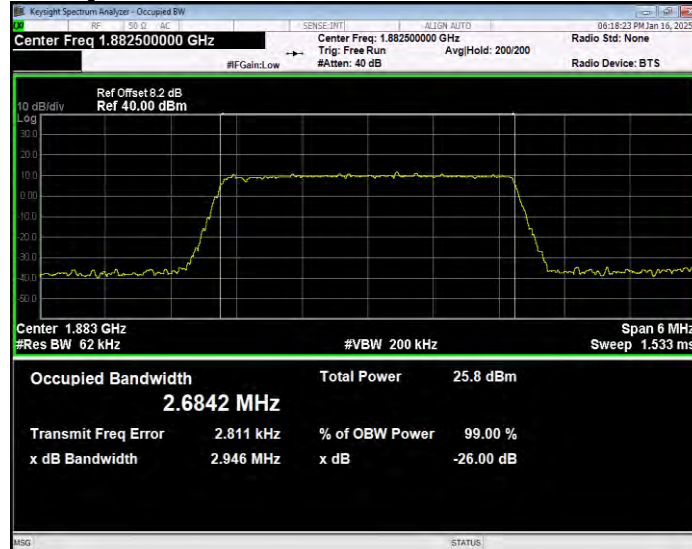
Band25 QPSK BW=20MHz Channel=26590 RB Size=100 Position=#0



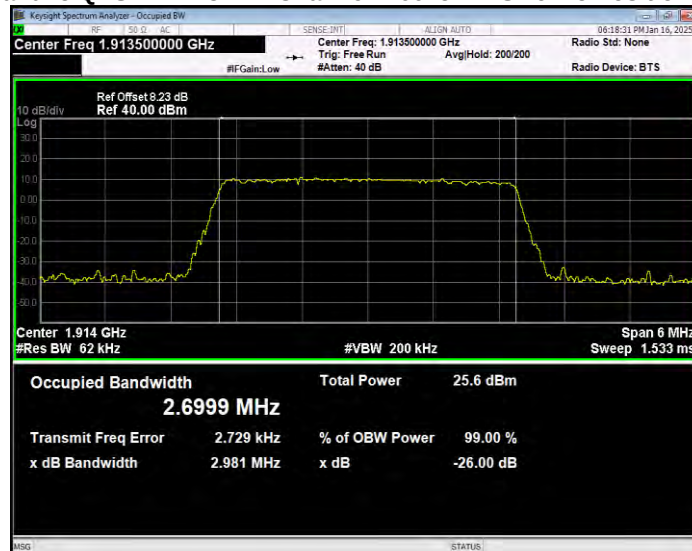
Band25 QPSK BW=3MHz Channel=26055 RB Size=15 Position=#0



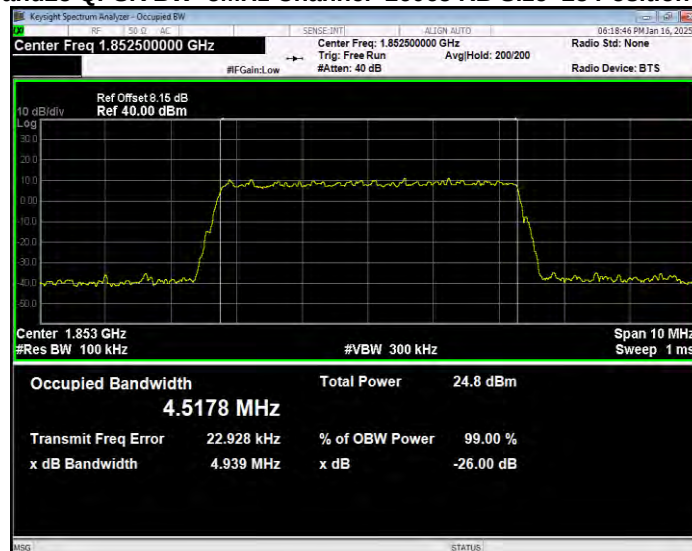
**Band25 QPSK BW=3MHz Channel=26365 RB Size=15 Position=#0**



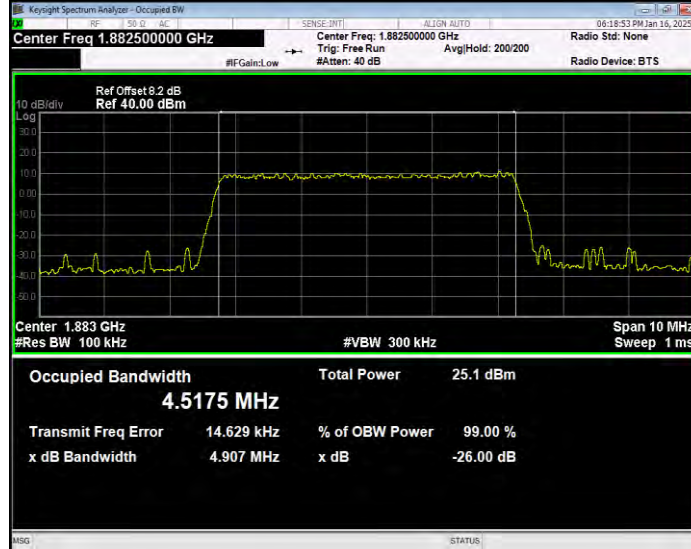
**Band25 QPSK BW=3MHz Channel=26675 RB Size=15 Position=#0**



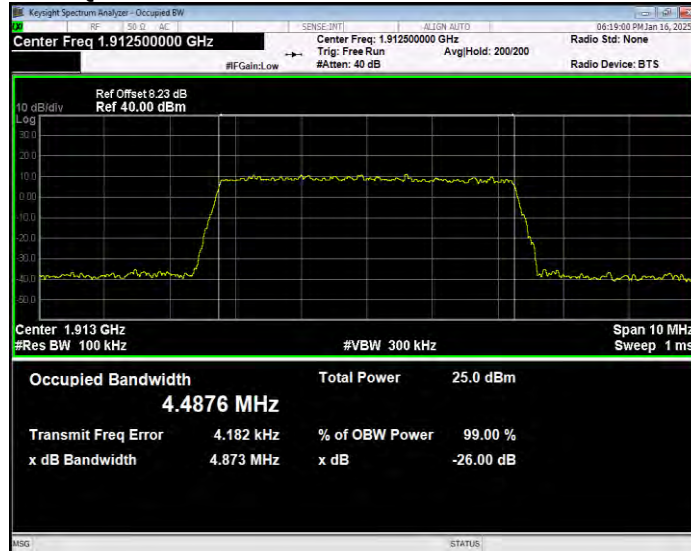
**Band25 QPSK BW=5MHz Channel=26065 RB Size=25 Position=#0**



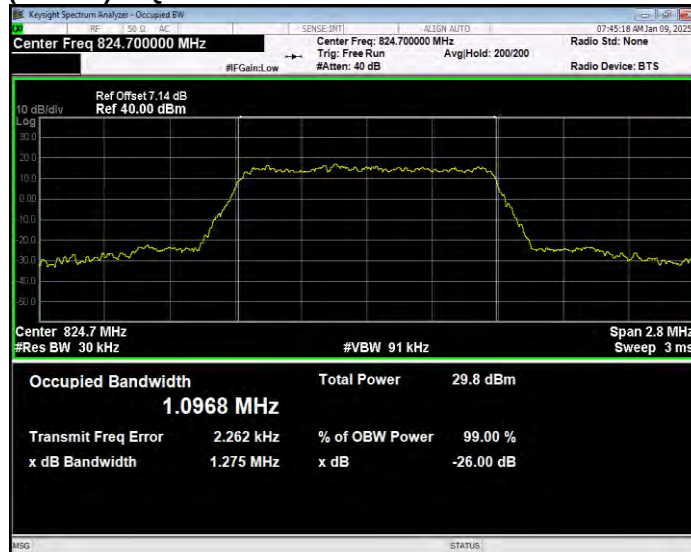
Band25 QPSK BW=5MHz Channel=26365 RB Size=25 Position=#0



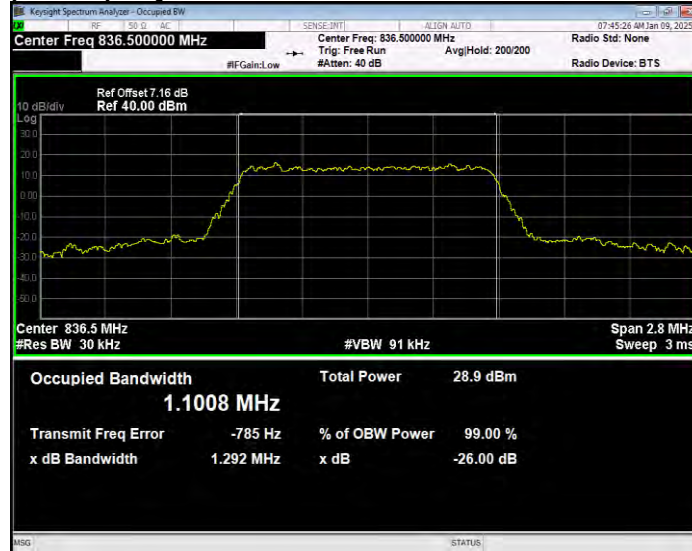
Band25 QPSK BW=5MHz Channel=26665 RB Size=25 Position=#0



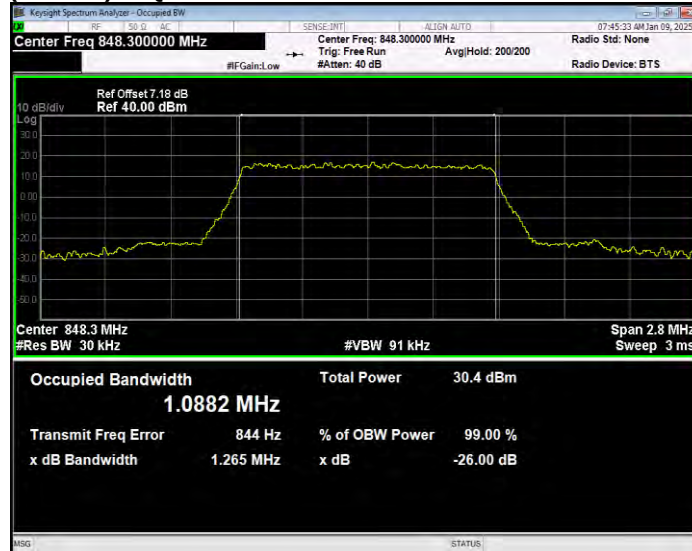
Band26(824-849) 16QAM BW=1.4MHz Channel=26797 RB Size=6 Position=#0



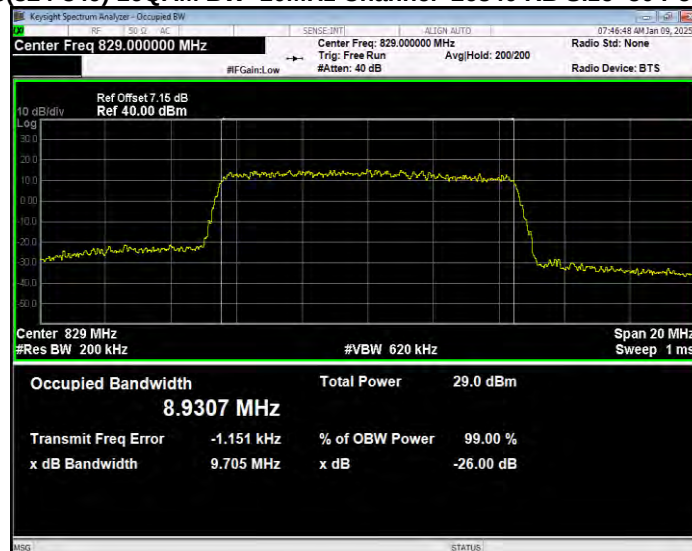
**Band26(824-849) 16QAM BW=1.4MHz Channel=26915 RB Size=6 Position=#0**



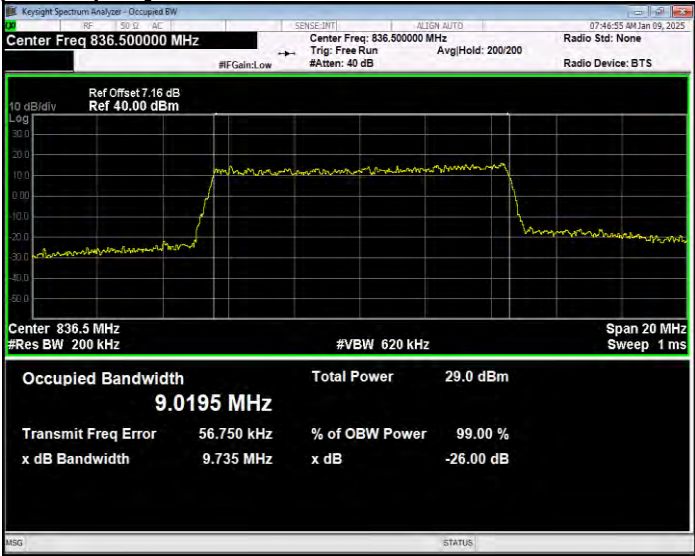
**Band26(824-849) 16QAM BW=1.4MHz Channel=27033 RB Size=6 Position=#0**



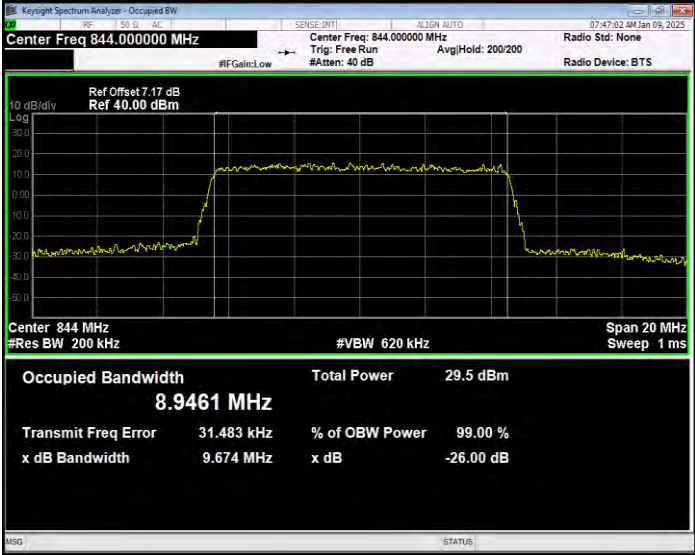
**Band26(824-849) 16QAM BW=10MHz Channel=26840 RB Size=50 Position=#0**



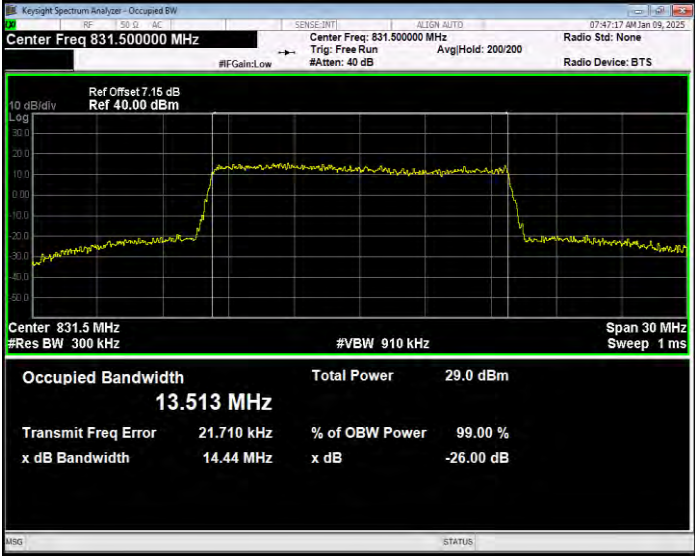
Band26(824-849) 16QAM BW=10MHz Channel=26915 RB Size=50 Position=#0



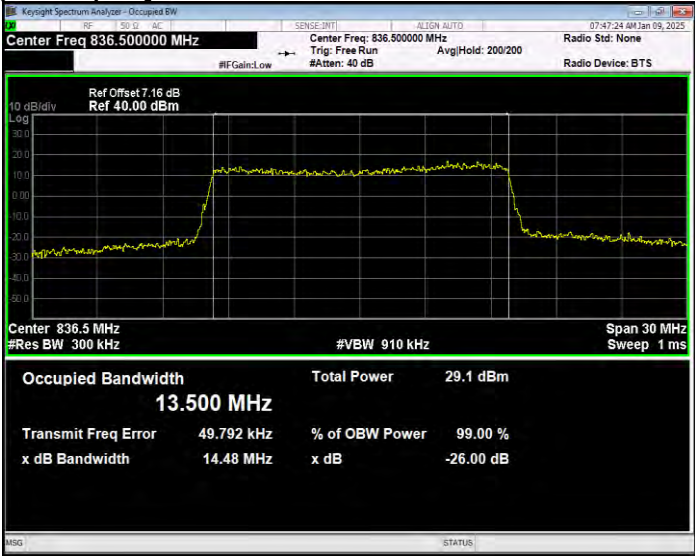
Band26(824-849) 16QAM BW=10MHz Channel=26990 RB Size=50 Position=#0



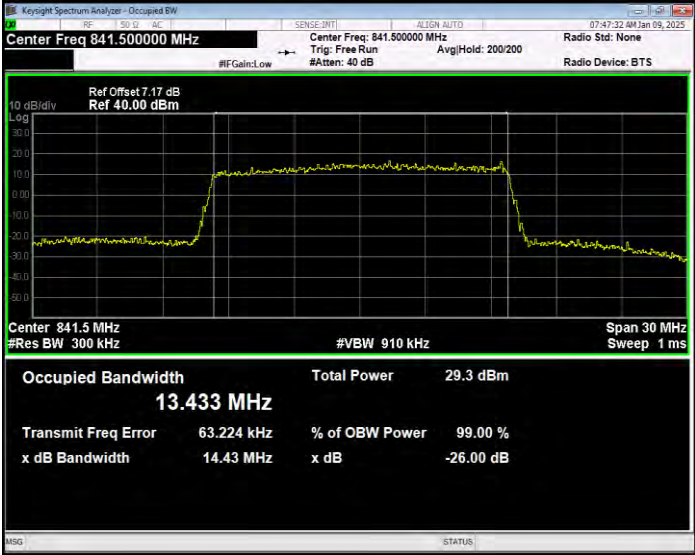
Band26(824-849) 16QAM BW=15MHz Channel=26865 RB Size=75 Position=#0



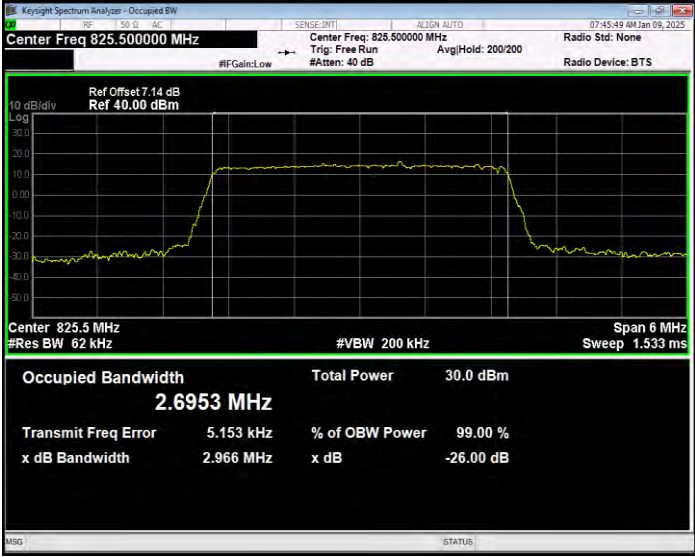
Band26(824-849) 16QAM BW=15MHz Channel=26915 RB Size=75 Position=#0



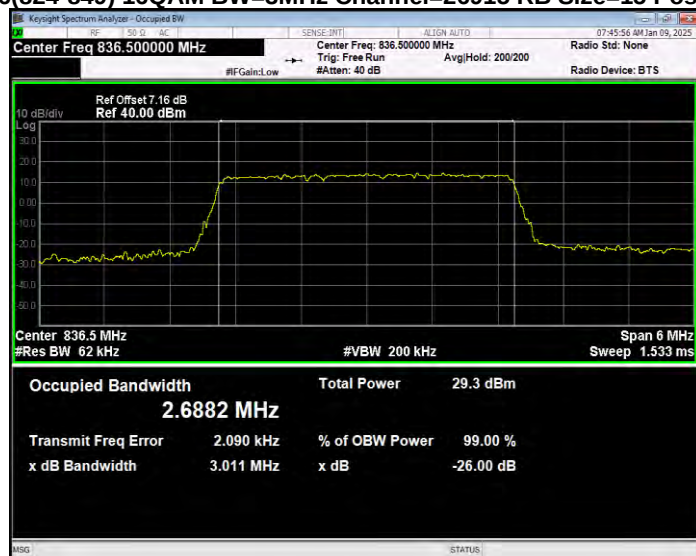
Band26(824-849) 16QAM BW=15MHz Channel=26965 RB Size=75 Position=#0



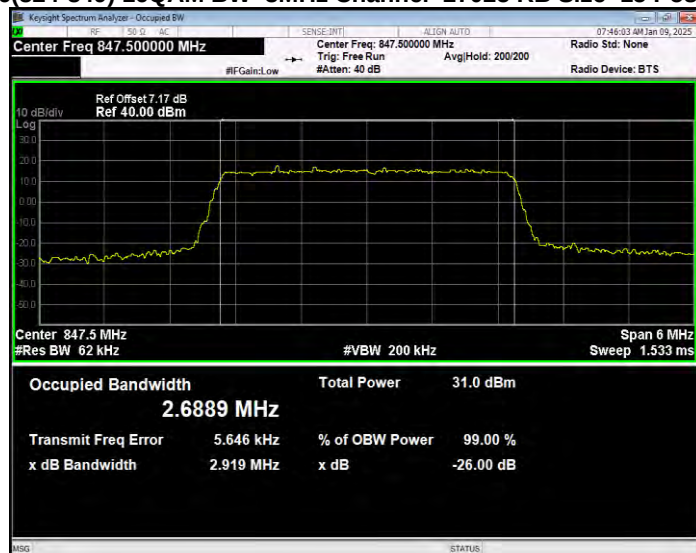
Band26(824-849) 16QAM BW=3MHz Channel=26805 RB Size=15 Position=#0



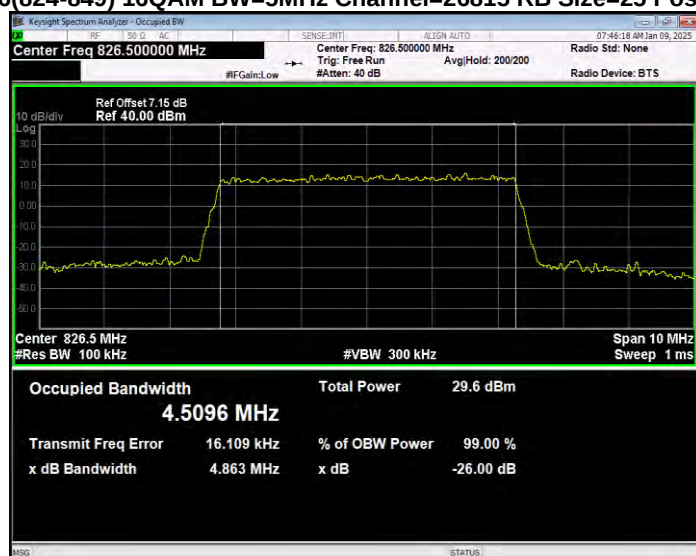
**Band26(824-849) 16QAM BW=3MHz Channel=26915 RB Size=15 Position=#0**



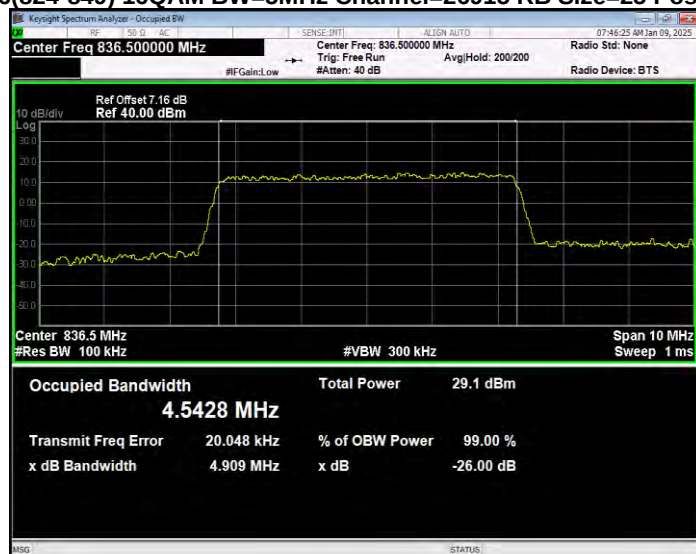
**Band26(824-849) 16QAM BW=3MHz Channel=27025 RB Size=15 Position=#0**



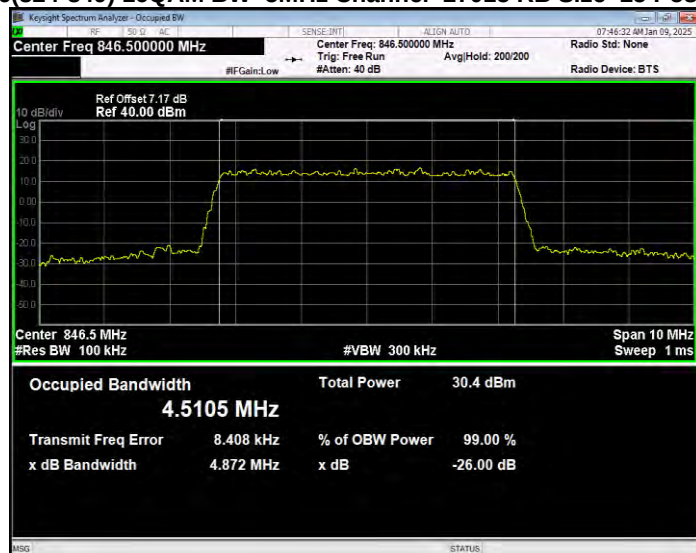
**Band26(824-849) 16QAM BW=5MHz Channel=26815 RB Size=25 Position=#0**



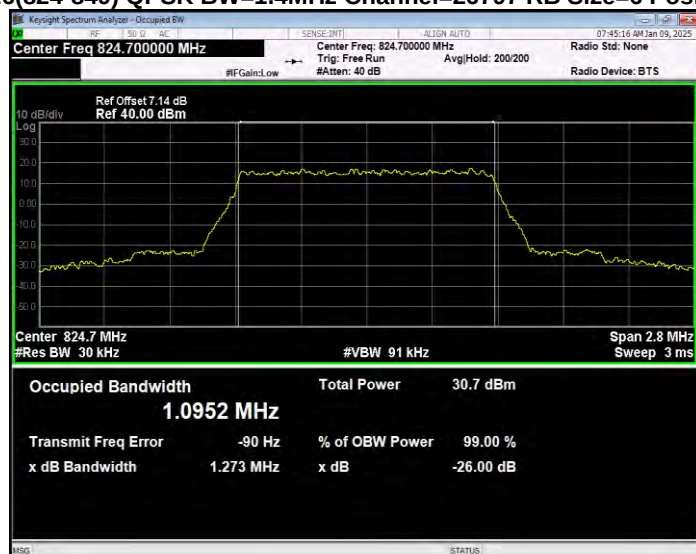
**Band26(824-849) 16QAM BW=5MHz Channel=26915 RB Size=25 Position=#0**



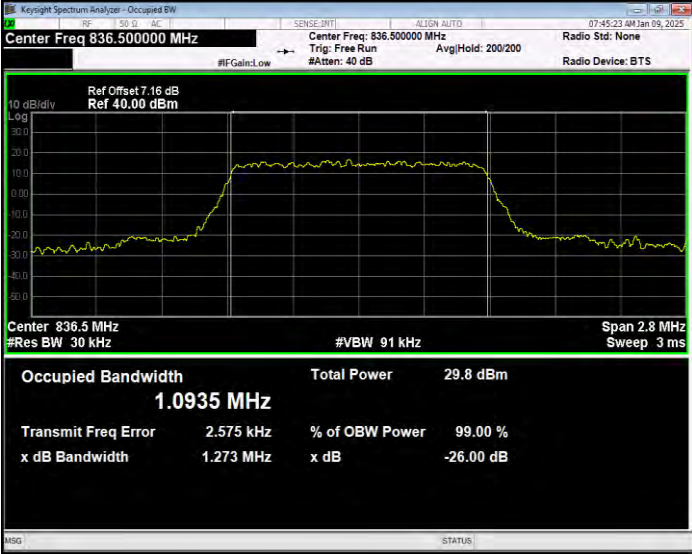
**Band26(824-849) 16QAM BW=5MHz Channel=27015 RB Size=25 Position=#0**



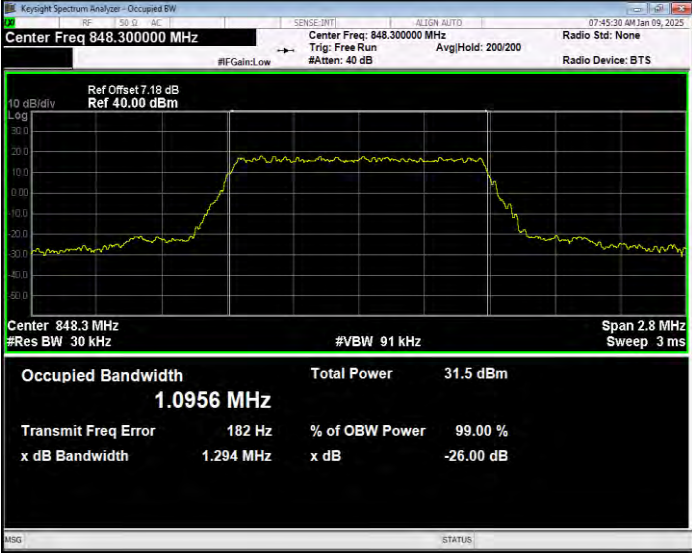
**Band26(824-849) QPSK BW=1.4MHz Channel=26797 RB Size=6 Position=#0**



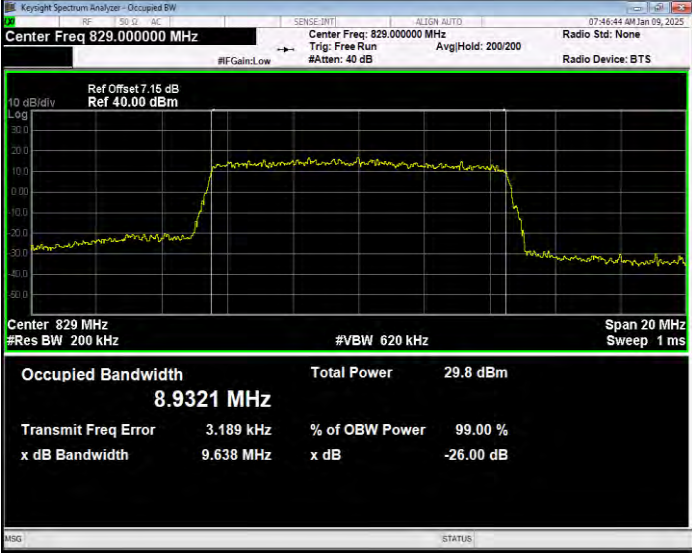
Band26(824-849) QPSK BW=1.4MHz Channel=26915 RB Size=6 Position=#0



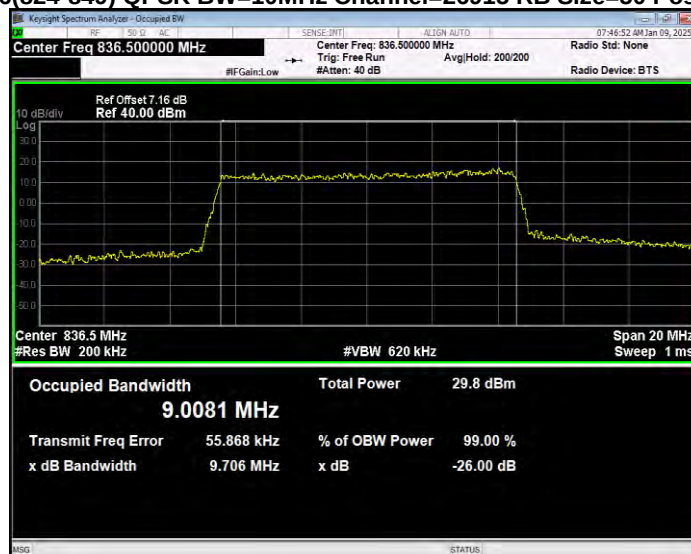
Band26(824-849) QPSK BW=1.4MHz Channel=27033 RB Size=6 Position=#0



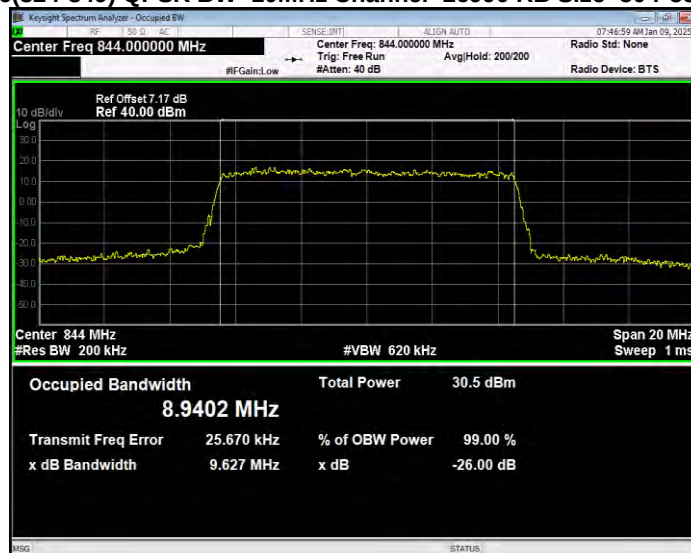
Band26(824-849) QPSK BW=10MHz Channel=26840 RB Size=50 Position=#0



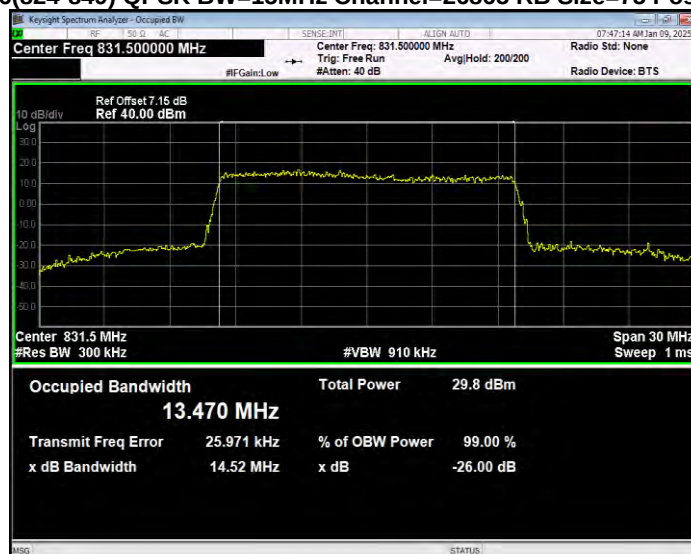
**Band26(824-849) QPSK BW=10MHz Channel=26915 RB Size=50 Position=#0**



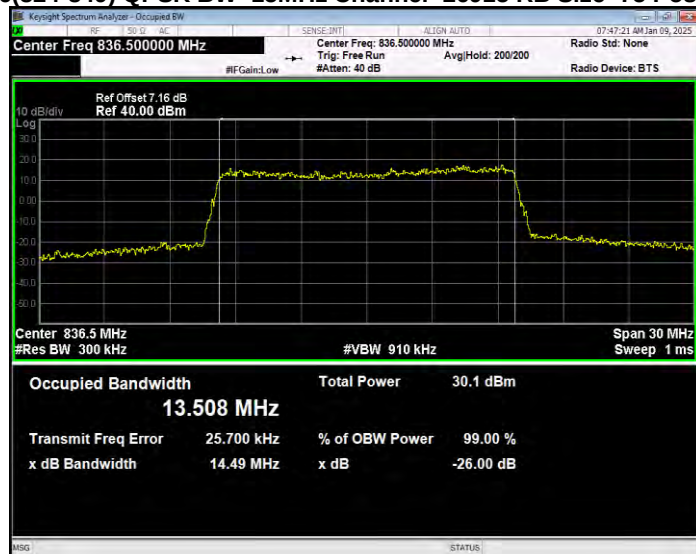
**Band26(824-849) QPSK BW=10MHz Channel=26990 RB Size=50 Position=#0**



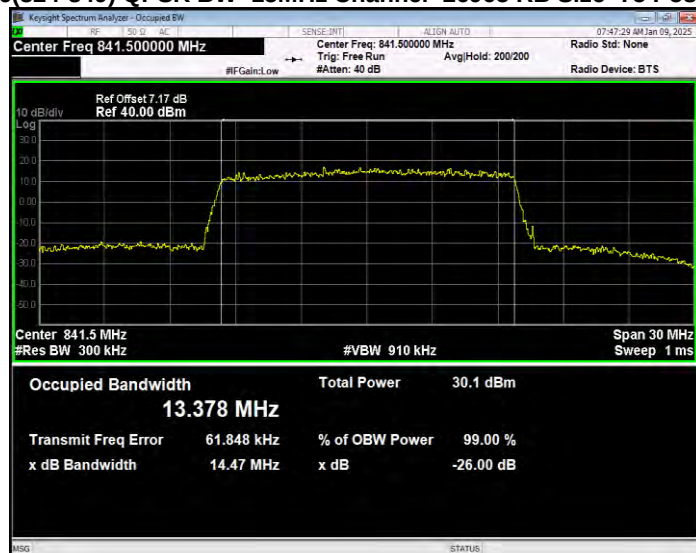
**Band26(824-849) QPSK BW=15MHz Channel=26865 RB Size=75 Position=#0**



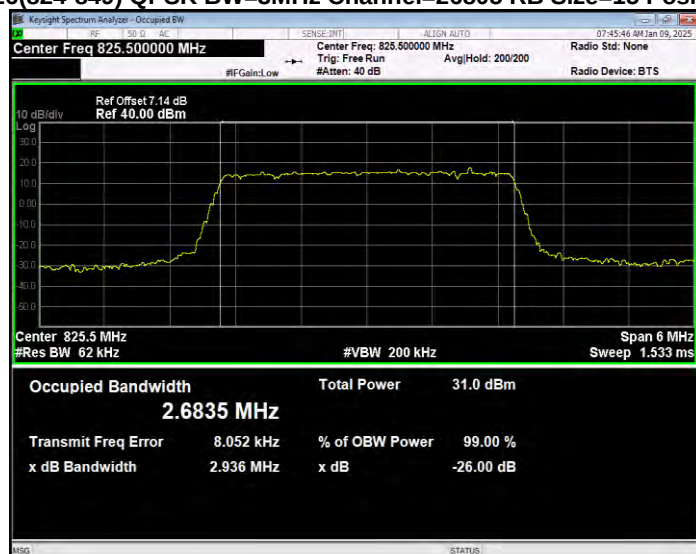
**Band26(824-849) QPSK BW=15MHz Channel=26915 RB Size=75 Position=#0**



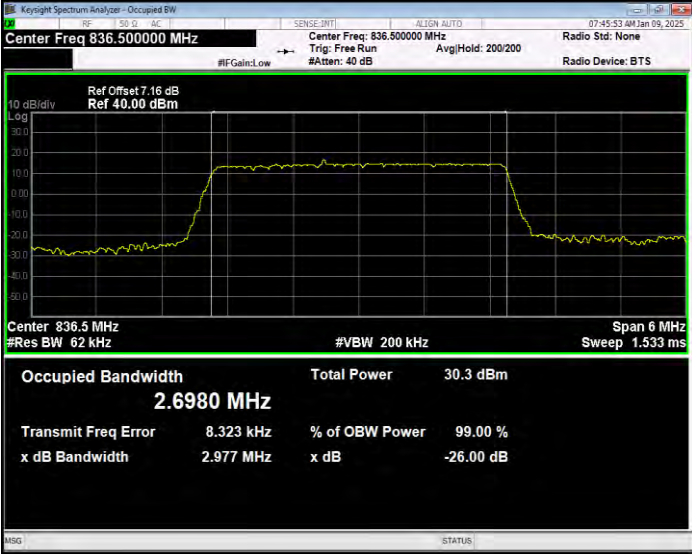
**Band26(824-849) QPSK BW=15MHz Channel=26965 RB Size=75 Position=#0**



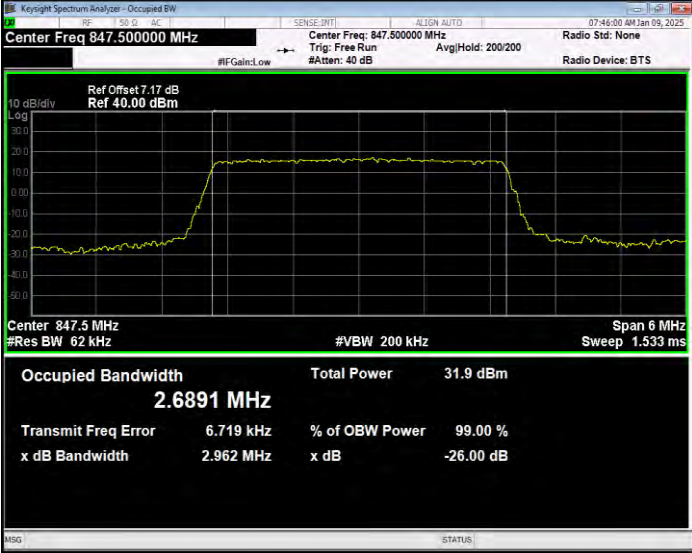
**Band26(824-849) QPSK BW=3MHz Channel=26805 RB Size=15 Position=#0**



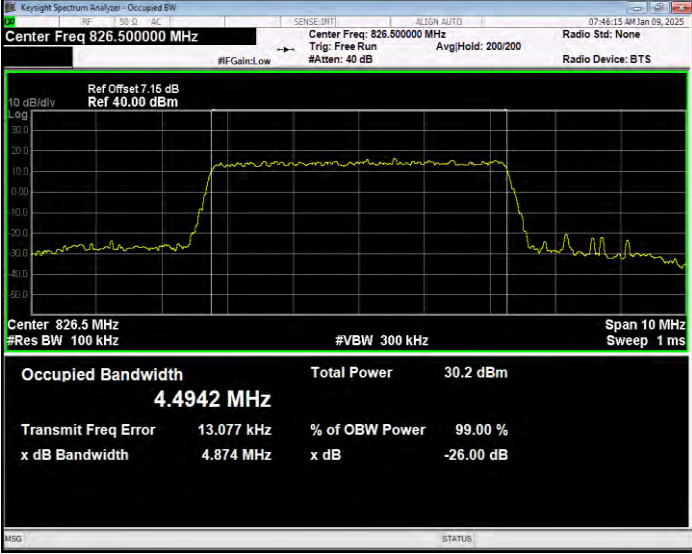
Band26(824-849) QPSK BW=3MHz Channel=26915 RB Size=15 Position=#0



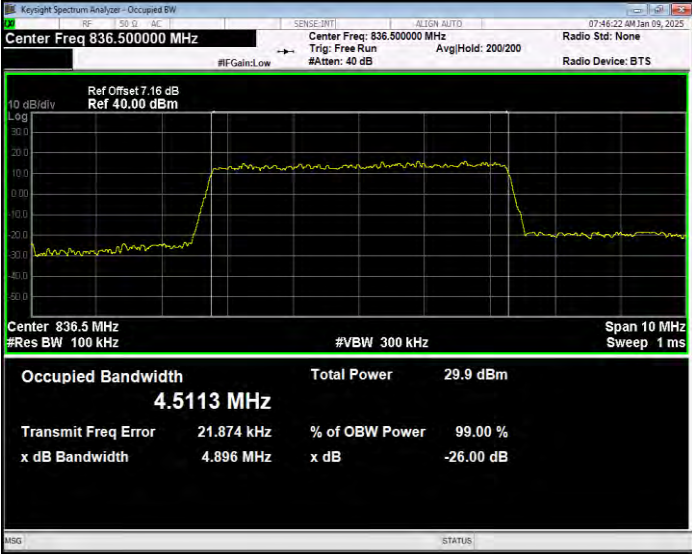
Band26(824-849) QPSK BW=3MHz Channel=27025 RB Size=15 Position=#0



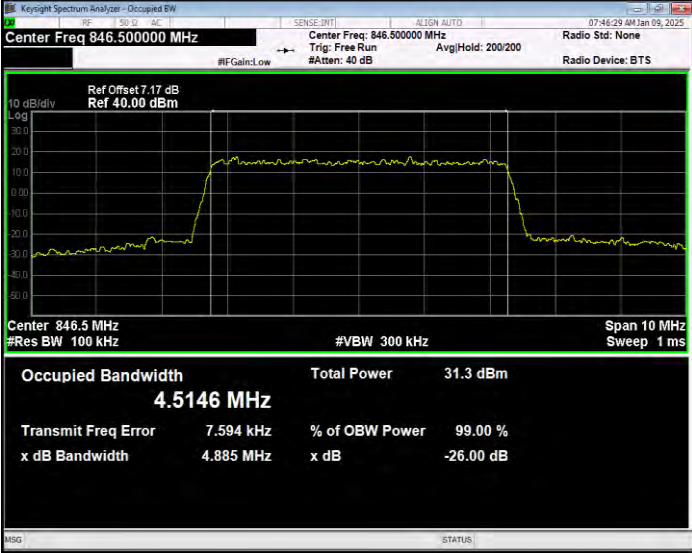
Band26(824-849) QPSK BW=5MHz Channel=26815 RB Size=25 Position=#0



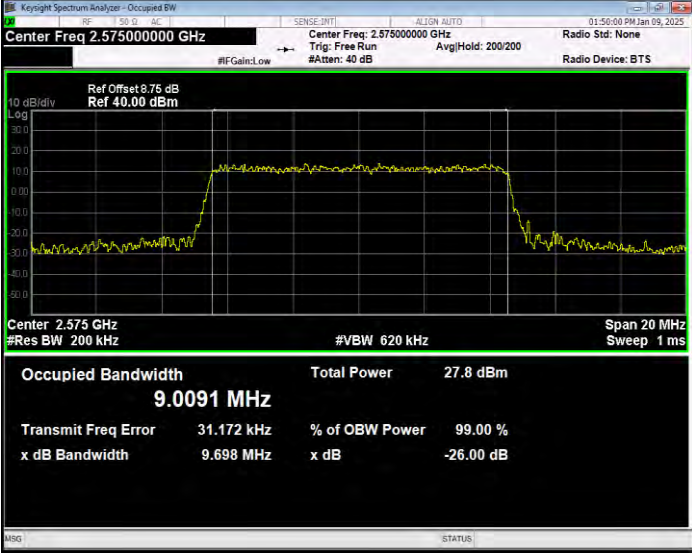
Band26(824-849) QPSK BW=5MHz Channel=26915 RB Size=25 Position=#0



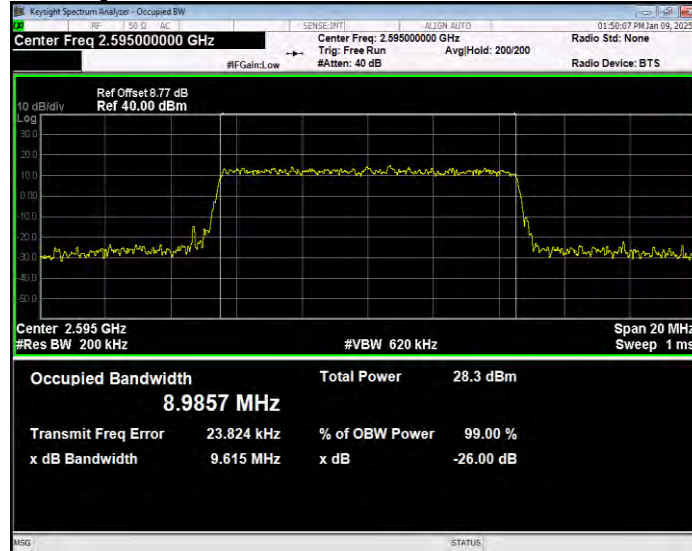
Band26(824-849) QPSK BW=5MHz Channel=27015 RB Size=25 Position=#0



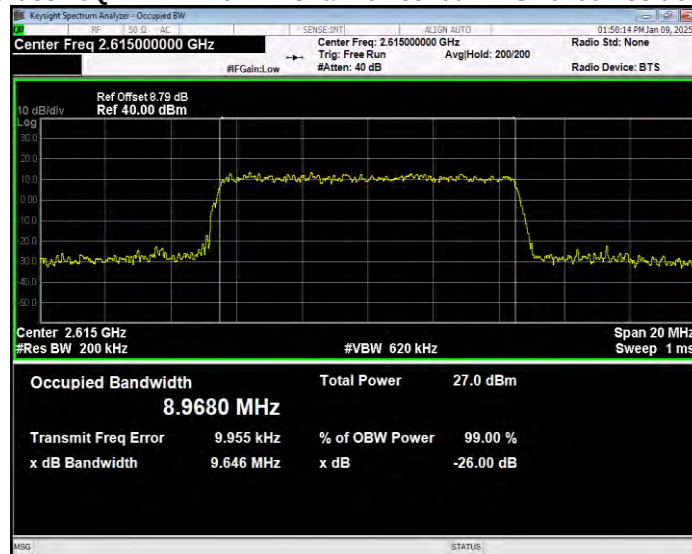
Band38 16QAM BW=10MHz Channel=37800 RB Size=50 Position=#0



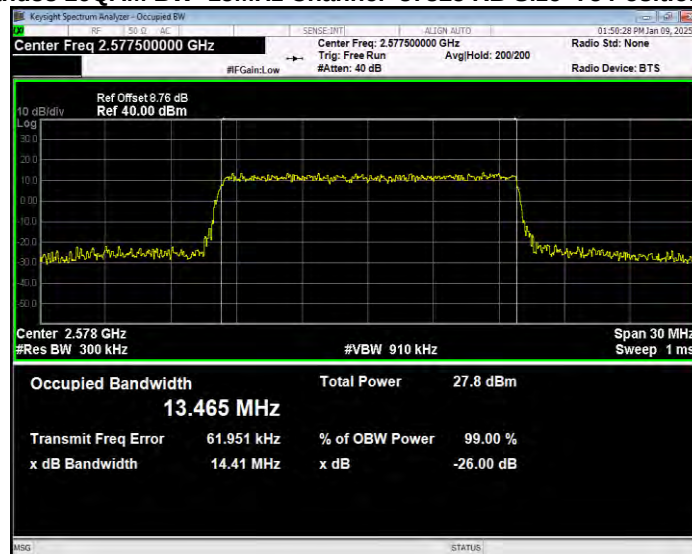
# **Band38 16QAM BW=10MHz Channel=38000 RB Size=50 Position=#0**



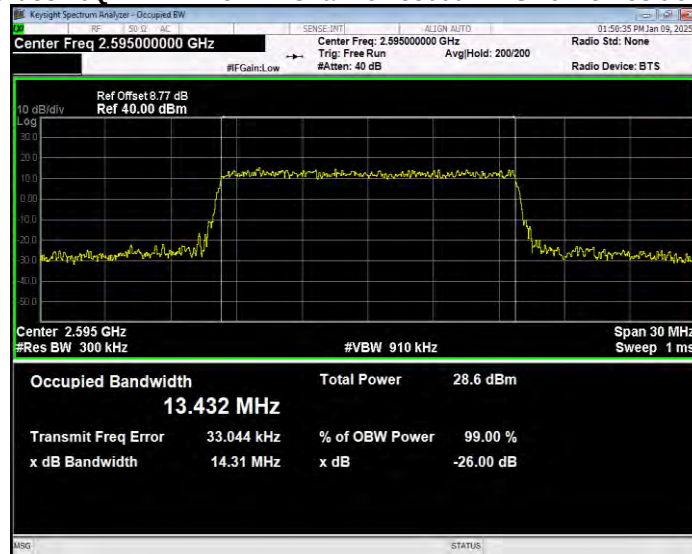
# **Band38 16QAM BW=10MHz Channel=38200 RB Size=50 Position=#0**



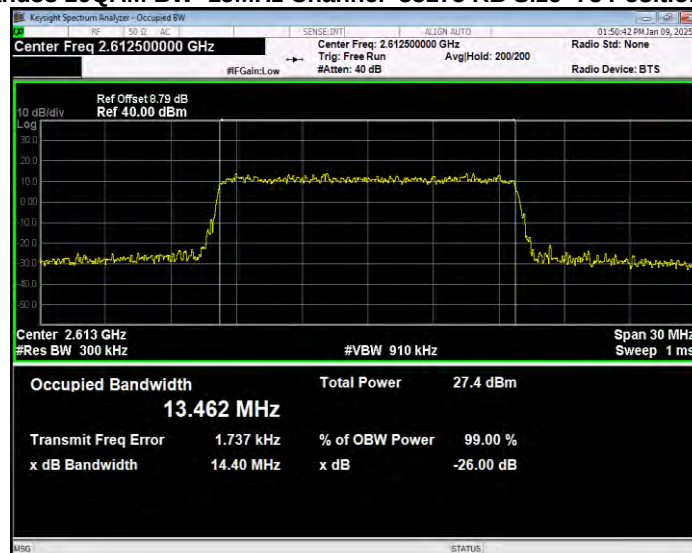
# **Band38 16QAM BW=15MHz Channel=37825 RB Size=75 Position=#0**



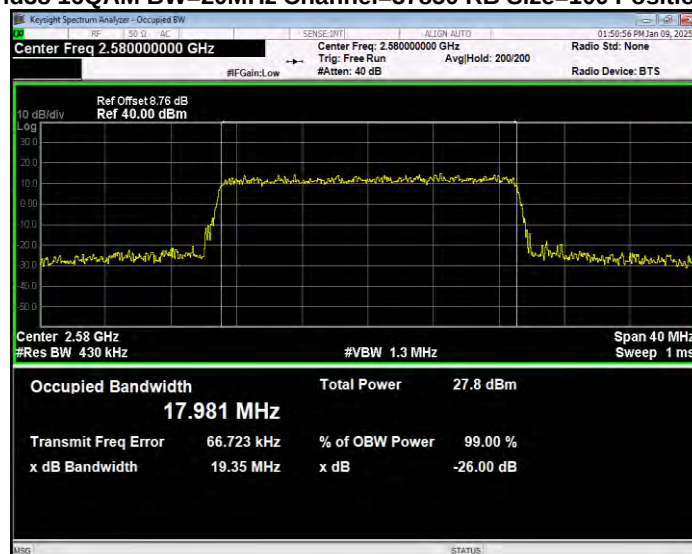
# **Band38 16QAM BW=15MHz Channel=38000 RB Size=75 Position=#0**



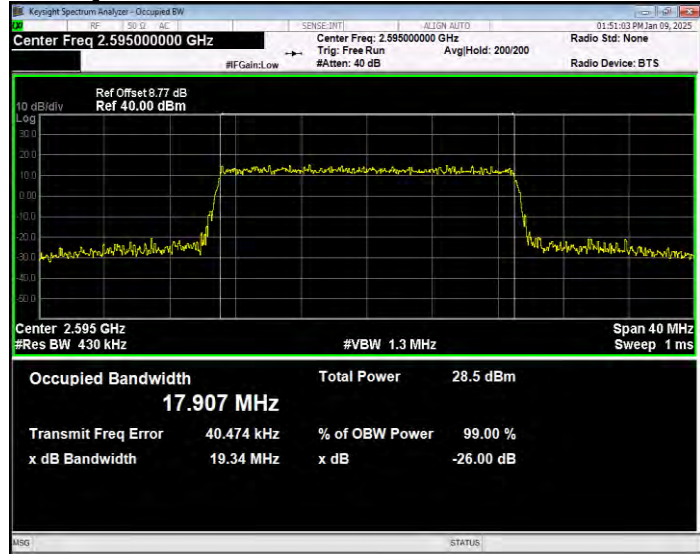
# **Band38 16QAM BW=15MHz Channel=38175 RB Size=75 Position=#0**



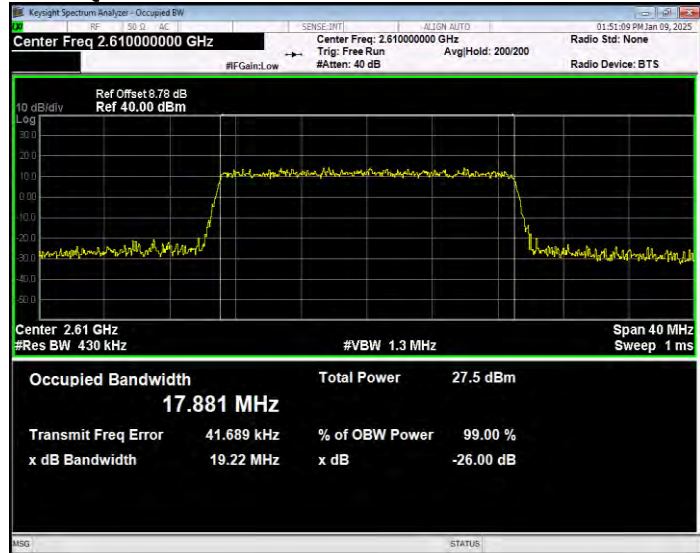
# **Band38 16QAM BW=20MHz Channel=37850 RB Size=100 Position=#0**



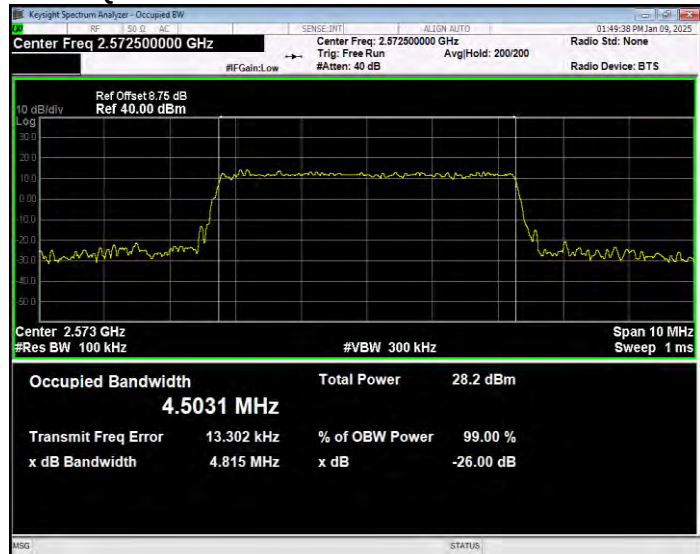
Band38 16QAM BW=20MHz Channel=38000 RB Size=100 Position=#0



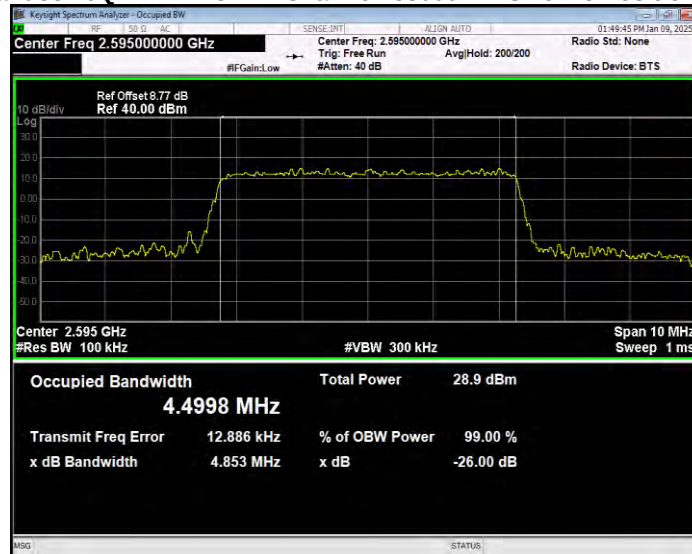
Band38 16QAM BW=20MHz Channel=38150 RB Size=100 Position=#0



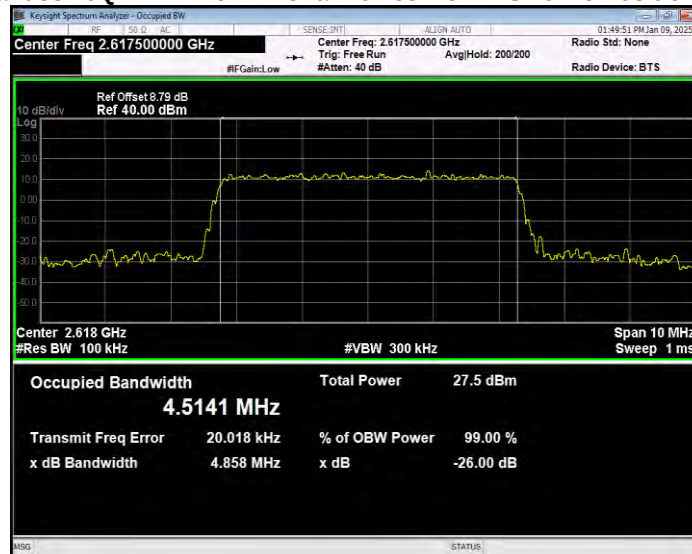
Band38 16QAM BW=5MHz Channel=37775 RB Size=25 Position=#0



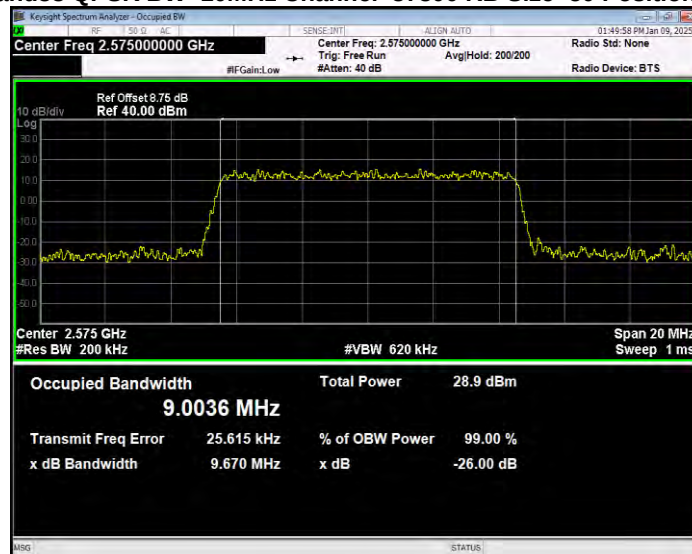
### Band38 16QAM BW=5MHz Channel=38000 RB Size=25 Position=#0



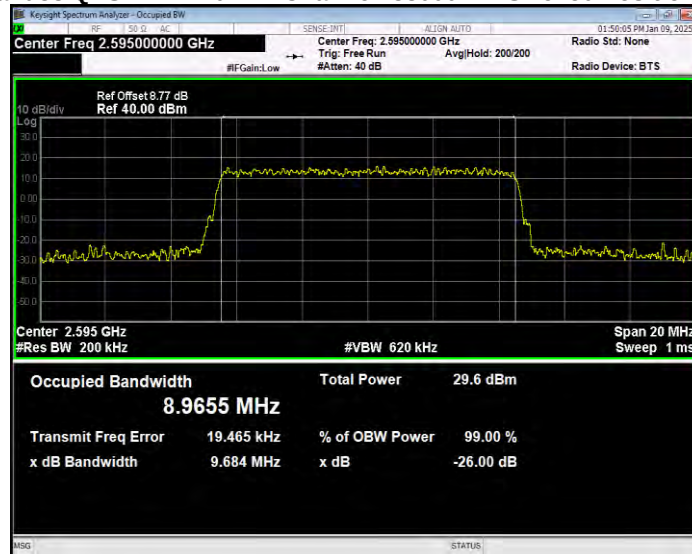
### Band38 16QAM BW=5MHz Channel=38225 RB Size=25 Position=#0



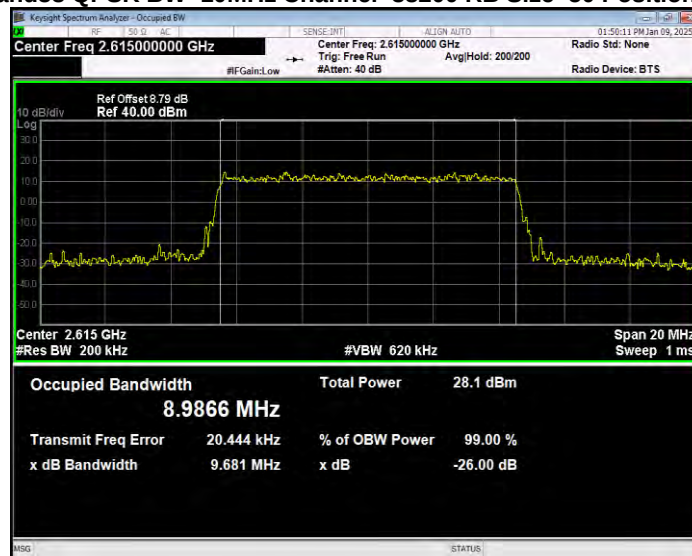
### Band38 QPSK BW=10MHz Channel=37800 RB Size=50 Position=#0



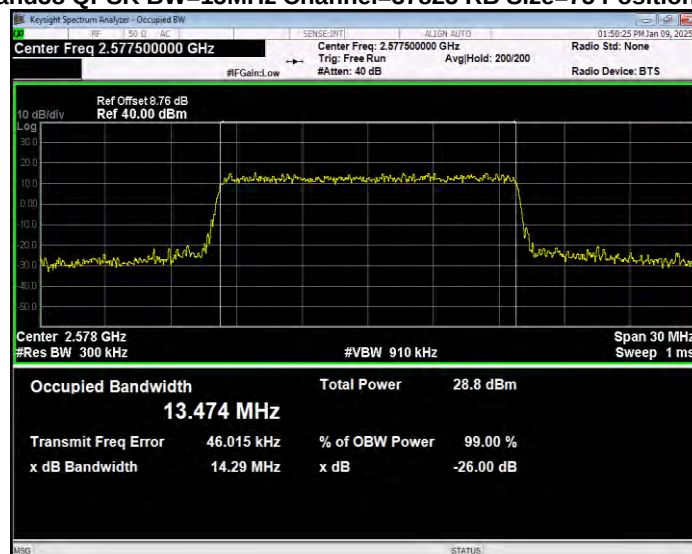
### Band38 QPSK BW=10MHz Channel=38000 RB Size=50 Position=#0



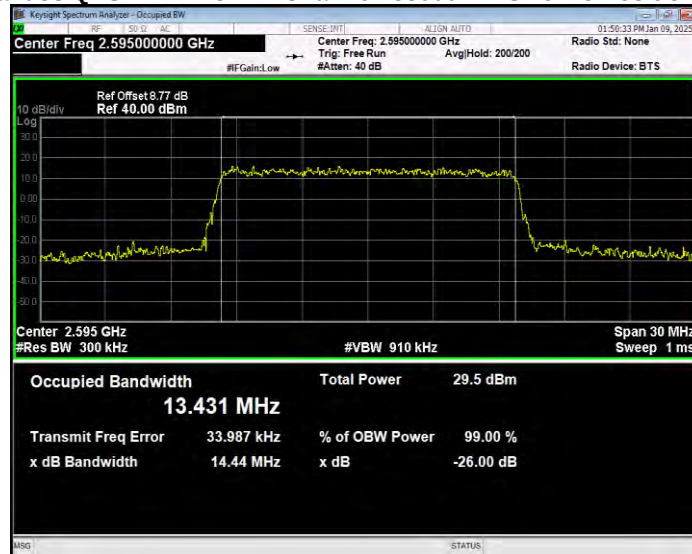
### Band38 QPSK BW=10MHz Channel=38200 RB Size=50 Position=#0



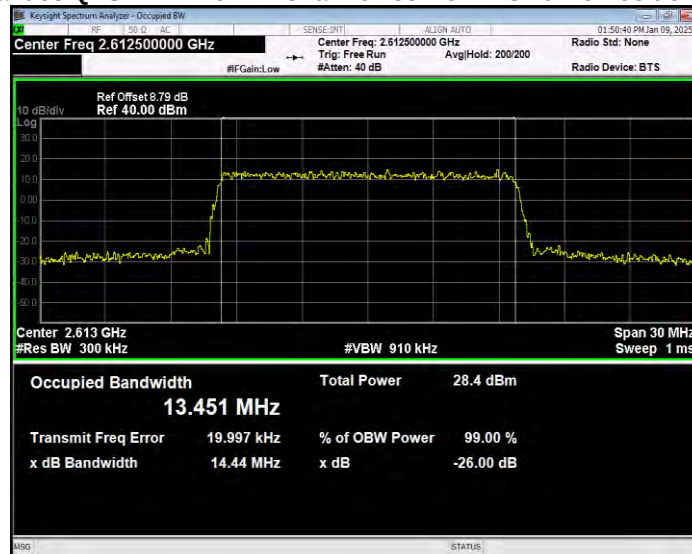
### Band38 QPSK BW=15MHz Channel=37825 RB Size=75 Position=#0



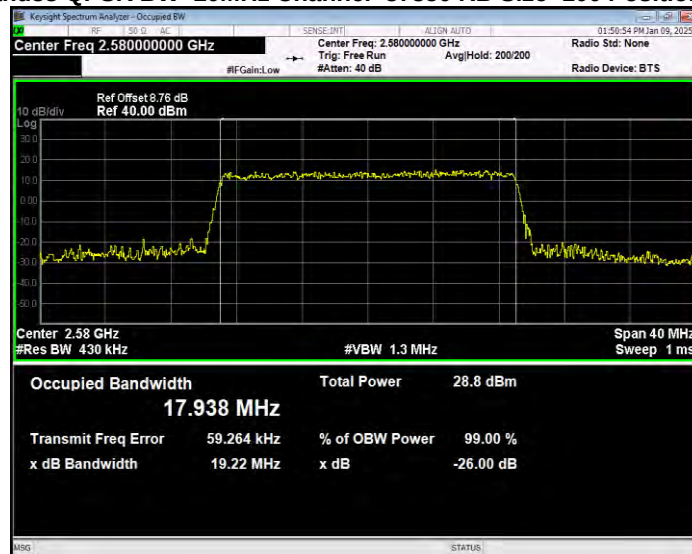
**Band38 QPSK BW=15MHz Channel=38000 RB Size=75 Position=#0**



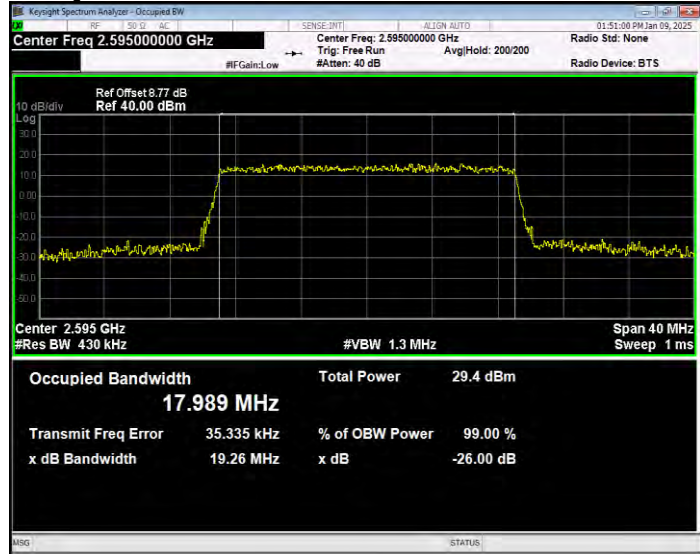
**Band38 QPSK BW=15MHz Channel=38175 RB Size=75 Position=#0**



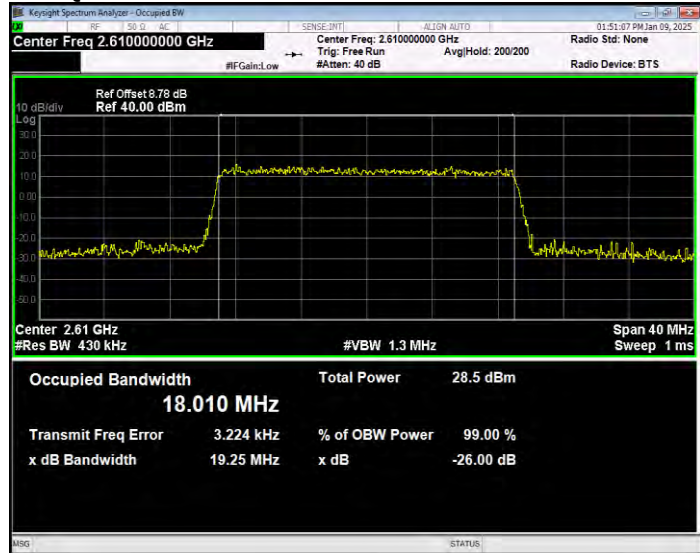
**Band38 QPSK BW=20MHz Channel=37850 RB Size=100 Position=#0**



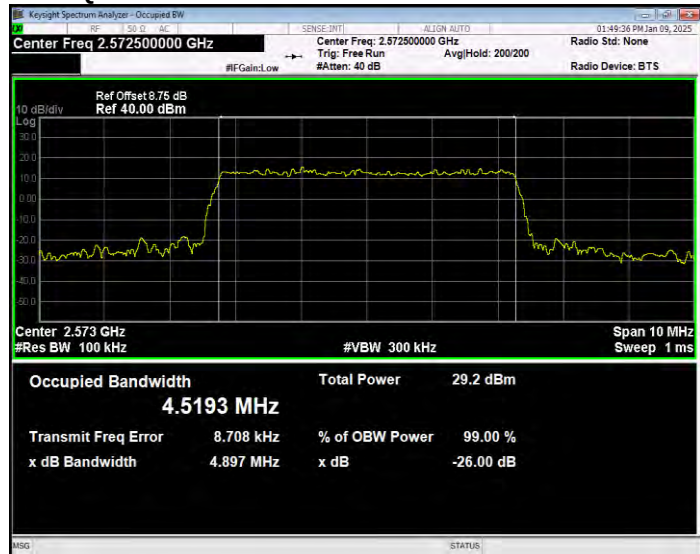
Band38 QPSK BW=20MHz Channel=38000 RB Size=100 Position=#0



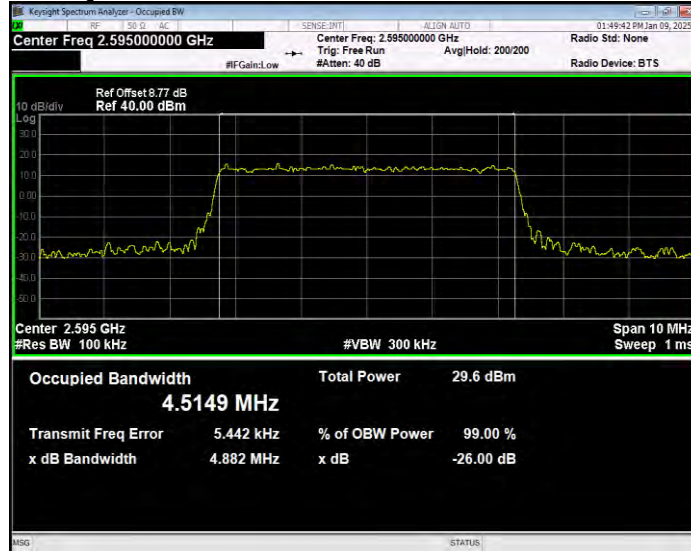
Band38 QPSK BW=20MHz Channel=38150 RB Size=100 Position=#0



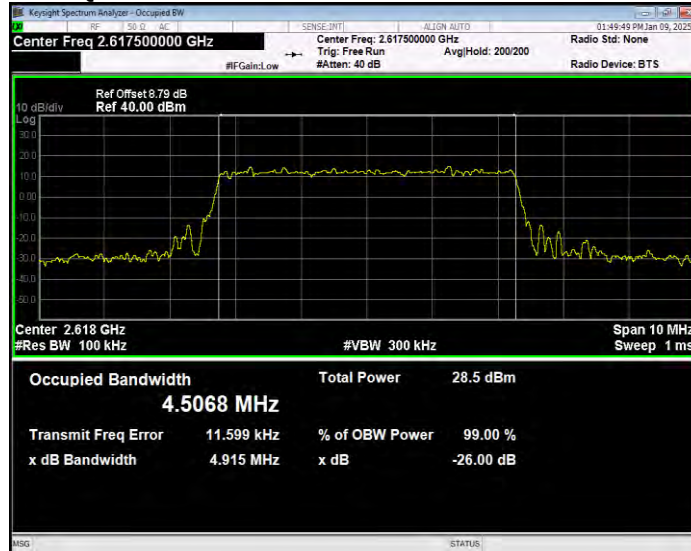
Band38 QPSK BW=5MHz Channel=37775 RB Size=25 Position=#0



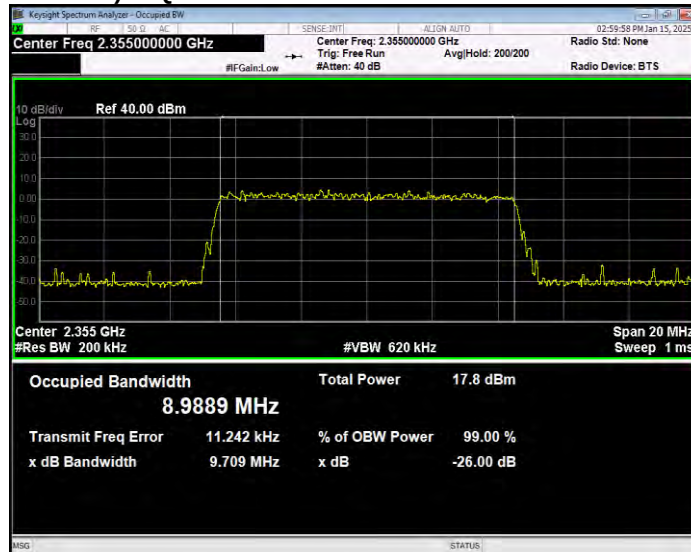
# Band38 QPSK BW=5MHz Channel=38000 RB Size=25 Position=#0



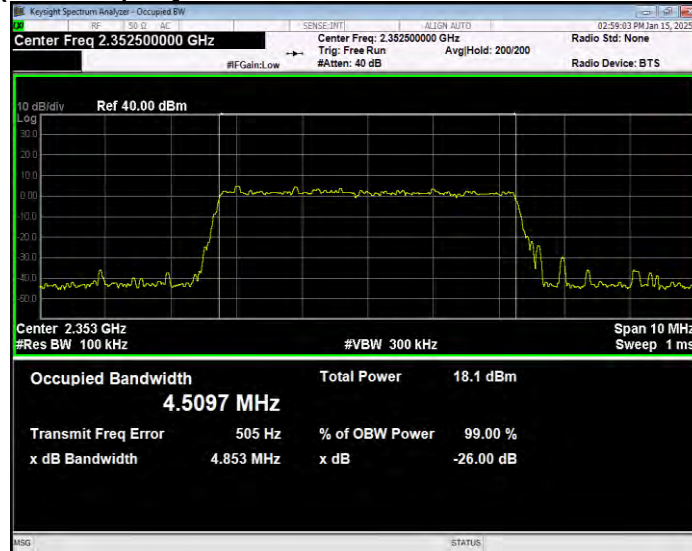
# Band38 QPSK BW=5MHz Channel=38225 RB Size=25 Position=#0



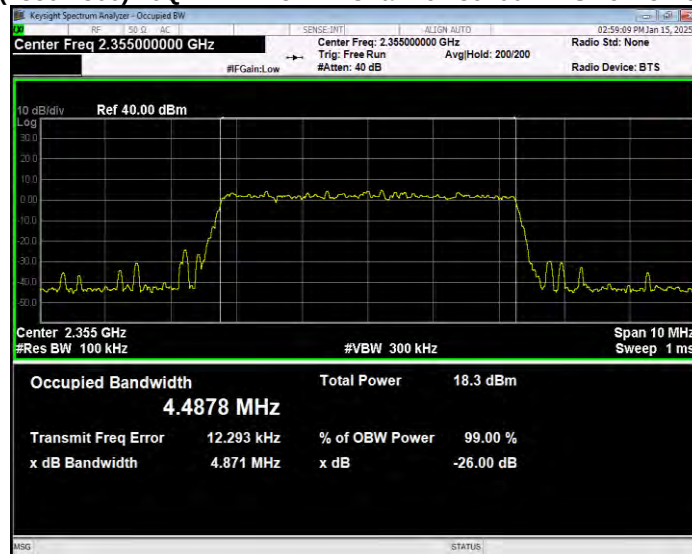
# Band40(2350-2360) 16QAM BW=10MHz Channel=39200 RB Size=50 Position=#0



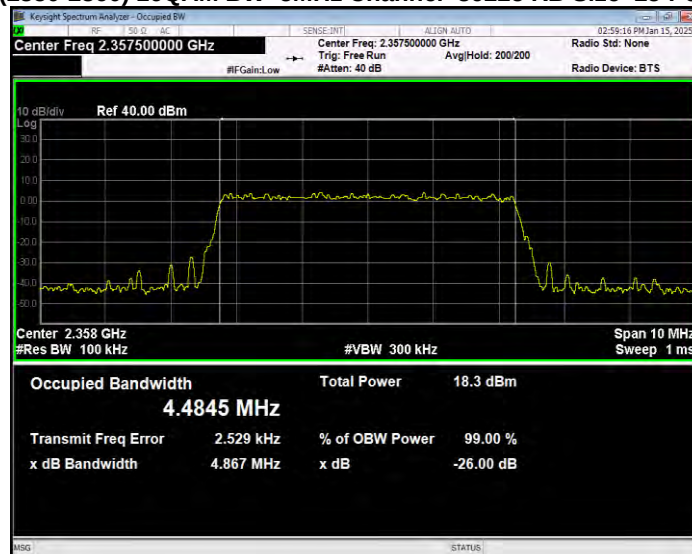
**Band40(2350-2360) 16QAM BW=5MHz Channel=39175 RB Size=25 Position=#0**



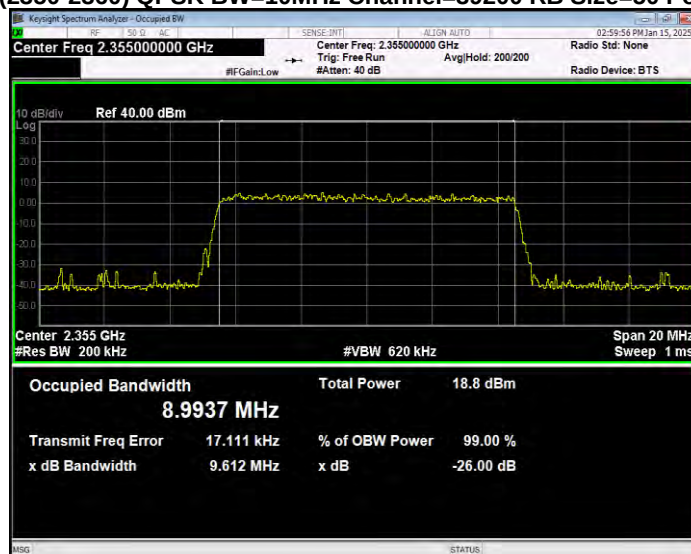
**Band40(2350-2360) 16QAM BW=5MHz Channel=39200 RB Size=25 Position=#0**



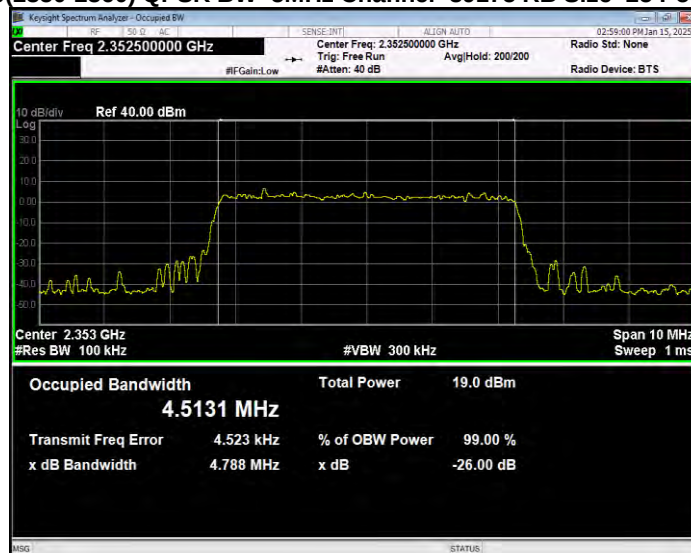
**Band40(2350-2360) 16QAM BW=5MHz Channel=39225 RB Size=25 Position=#0**



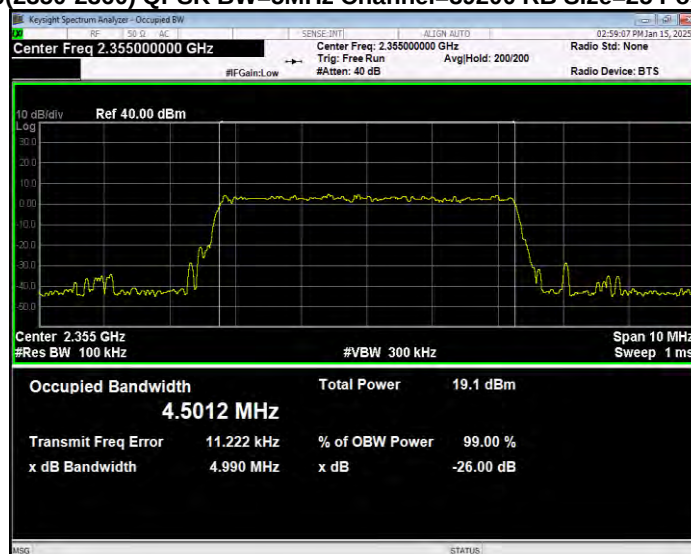
# Band40(2350-2360) QPSK BW=10MHz Channel=39200 RB Size=50 Position=#0



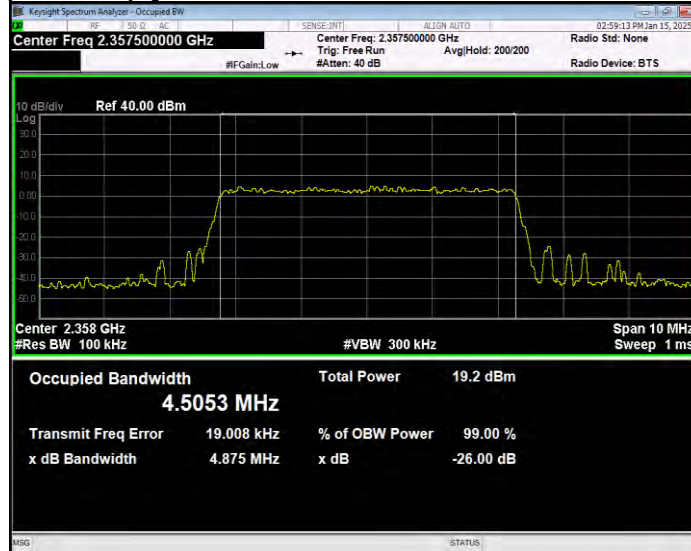
# Band40(2350-2360) QPSK BW=5MHz Channel=39175 RB Size=25 Position=#0



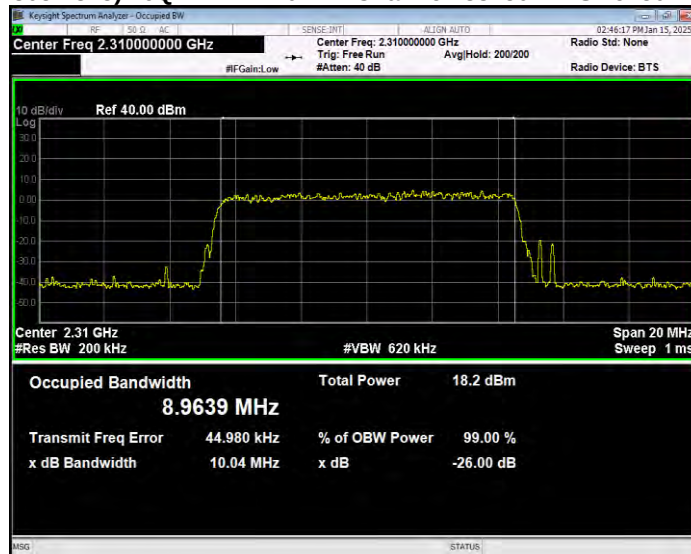
# Band40(2350-2360) QPSK BW=5MHz Channel=39200 RB Size=25 Position=#0



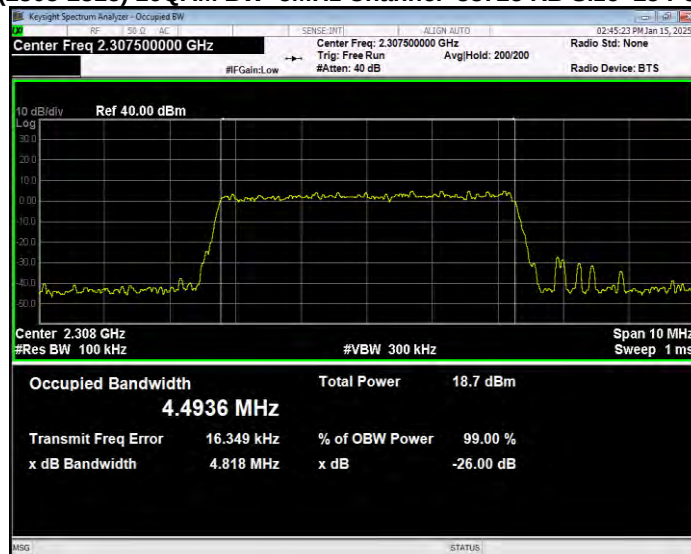
**Band40(2350-2360) QPSK BW=5MHz Channel=39225 RB Size=25 Position=#0**



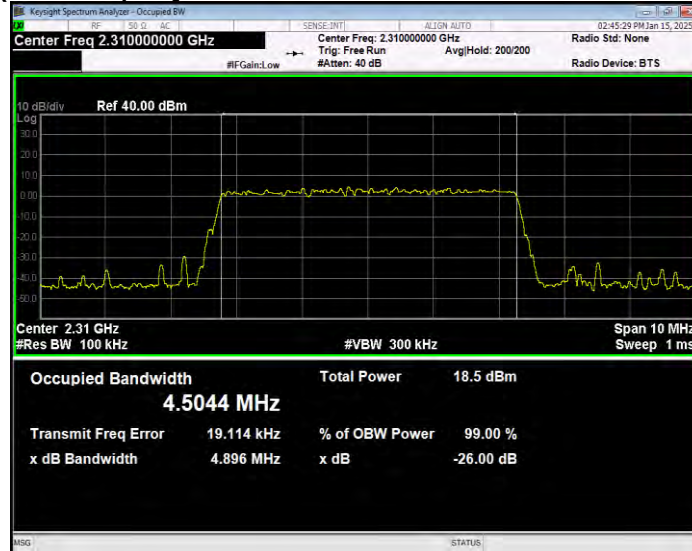
**Band40(2305-2315) 16QAM BW=10MHz Channel=38750 RB Size=50 Position=#0**



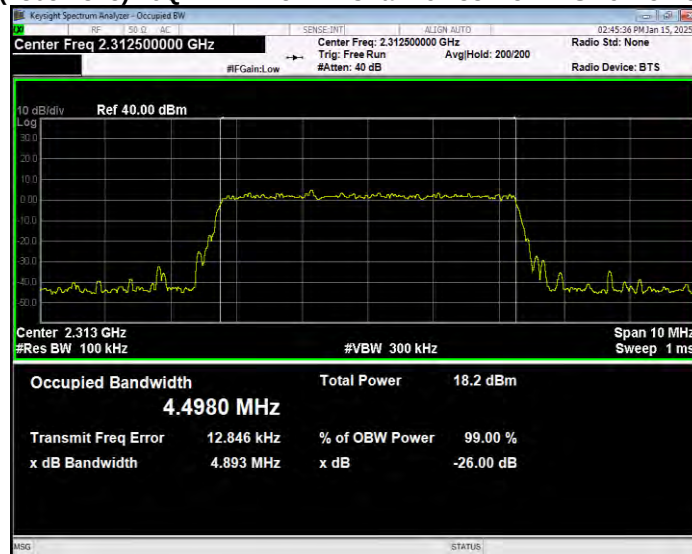
**Band40(2305-2315) 16QAM BW=5MHz Channel=38725 RB Size=25 Position=#0**



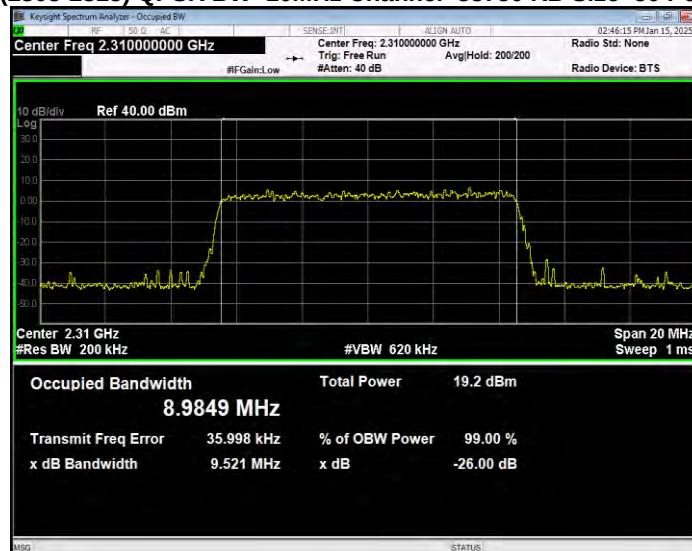
**Band40(2305-2315) 16QAM BW=5MHz Channel=38750 RB Size=25 Position=#0**



**Band40(2305-2315) 16QAM BW=5MHz Channel=38775 RB Size=25 Position=#0**



**Band40(2305-2315) QPSK BW=10MHz Channel=38750 RB Size=50 Position=#0**



KeySight Spectrum Analyzer - Occupied BW

Center Freq 2.307500000 GHz

Trig: Free Run  
#Atten: 40 dB

Avg/Hold: 200/200

Radio Std: None

Radio Device: BTS

#F GainClw

Ref 40.00 dBm

10 dB/Div

Center 2.308 GHz  
#Res BW 100 kHz

#VBW 300 kHz

Span 10 MHz  
Sweep 1 ms

| Occupied Bandwidth |  | Total Power |  |
|--------------------|--|-------------|--|
| 4.5032 MHz         |  | 19.7 dBm    |  |

| Transmit Freq Error |  | % of OBW Power |  |
|---------------------|--|----------------|--|
| 9.928 kHz           |  | 99.00 %        |  |

| x dB Bandwidth |  | x dB      |  |
|----------------|--|-----------|--|
| 4.902 MHz      |  | -26.00 dB |  |

Keylight Spectrum Analyzer - Occupied BW

Center Freq 2.310000000 GHz

Center Freq: 2.310000000 GHz  
 Trig: Free Run  
 #Atten: 40 dB

ALLEN AUTO  
 Avg/Hold: 200/200

Radio Std: None  
 Radio Device: BTS

#FGalncLow

10 dB/div Ref 40.00 dBm

Center 2.31 GHz  
 #Res BW 100 kHz

#VBW 300 kHz

Span 10 MHz  
 Sweep 1 ms

Occupied Bandwidth  
**4.4975 MHz**

Total Power  
**19.4 dBm**

Transmit Freq Error  
**15.364 kHz**

% of OBW Power  
**99.00 %**

x dB Bandwidth  
**4.881 MHz**

x dB  
**-26.00 dB**

Keysight Spectrum Analyzer - Occupied BW

02:45:23 PM Jan 15, 2025

Center Freq 2.312500000 GHz

Trig: Free Run

#Atten: 40 dB

Avg/Hold: 200/20

Radio Std: None

Radio Device: BTS

#F Gain: Low

Ref 40.00 dBm

40.00 dBm

Center 2.313 GHz

#Res BW 100 kHz

#VBW 300 kHz

Span 10 MHz

Sweep 1 ms

Occupied Bandwidth

4.4874 MHz

Total Power

19.5 dBm

Transmit Freq Error

17.734 kHz

% of OBW Power

99.00 %

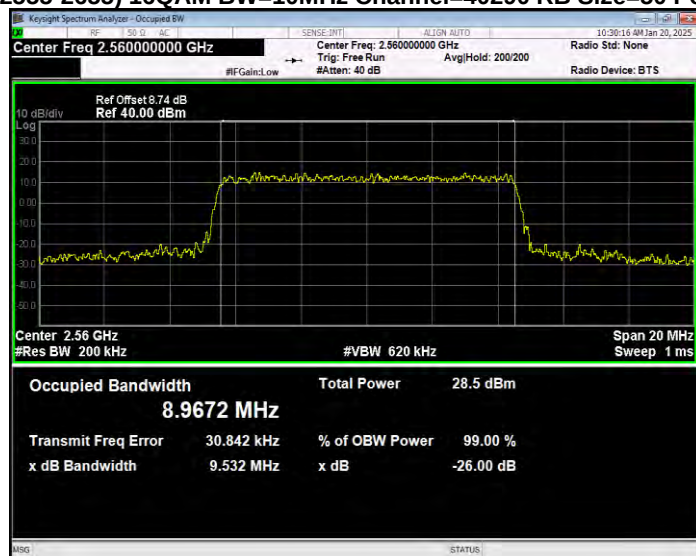
x dB Bandwidth

4.905 MHz

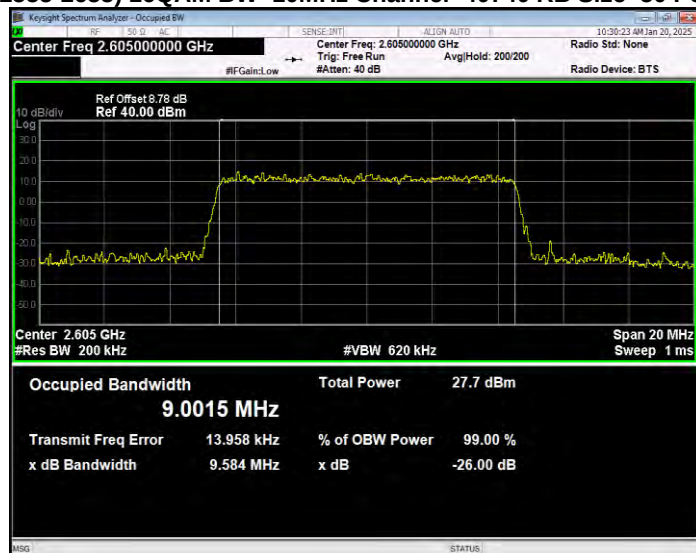
x dB

-26.00 dB

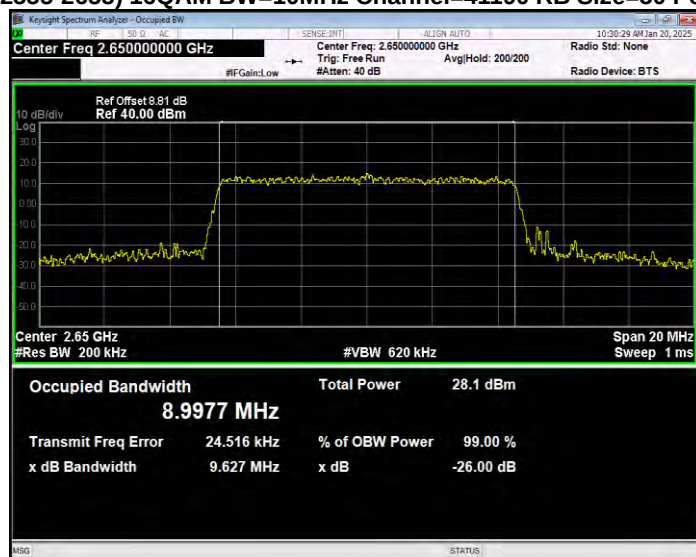
**Band41(2555-2655) 16QAM BW=10MHz Channel=40290 RB Size=50 Position=#0**



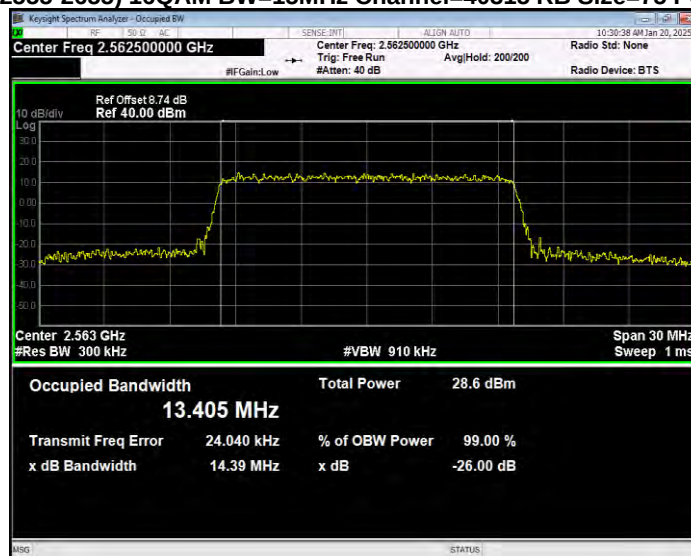
**Band41(2555-2655) 16QAM BW=10MHz Channel=40740 RB Size=50 Position=#0**



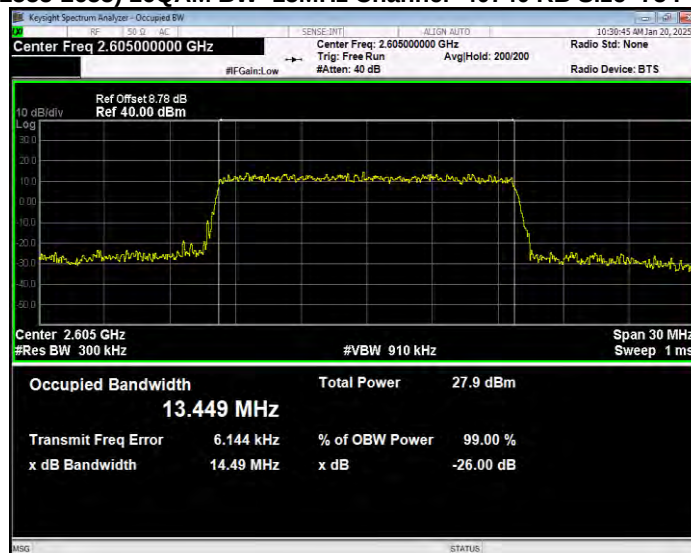
**Band41(2555-2655) 16QAM BW=10MHz Channel=41190 RB Size=50 Position=#0**



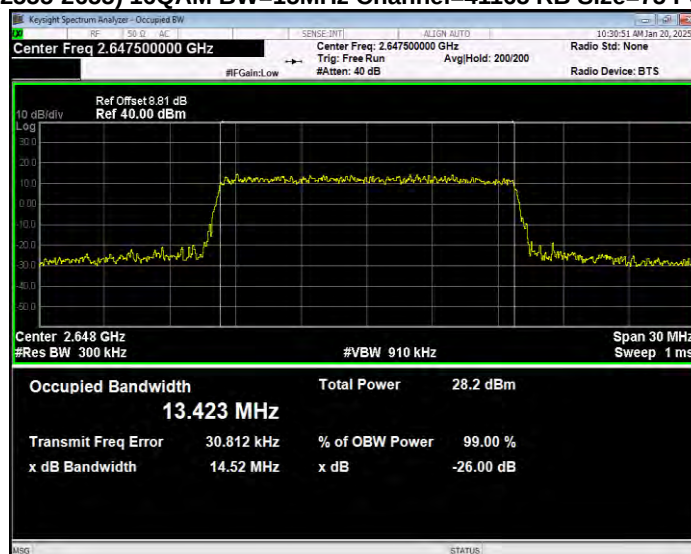
**Band41(2555-2655) 16QAM BW=15MHz Channel=40315 RB Size=75 Position=#0**



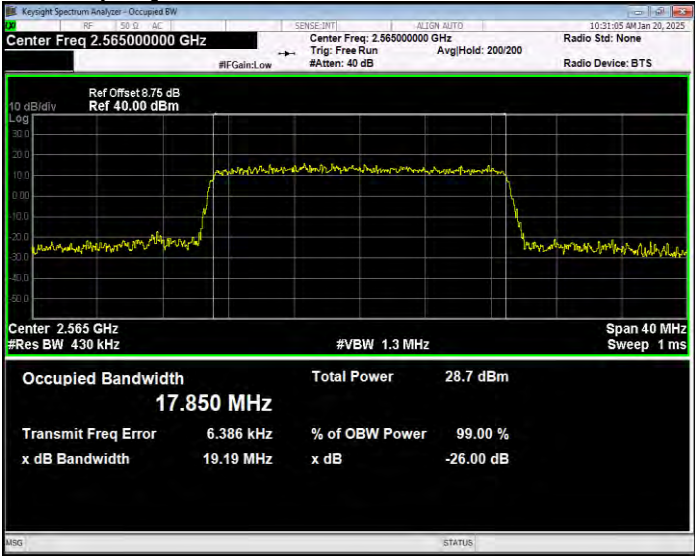
**Band41(2555-2655) 16QAM BW=15MHz Channel=40740 RB Size=75 Position=#0**



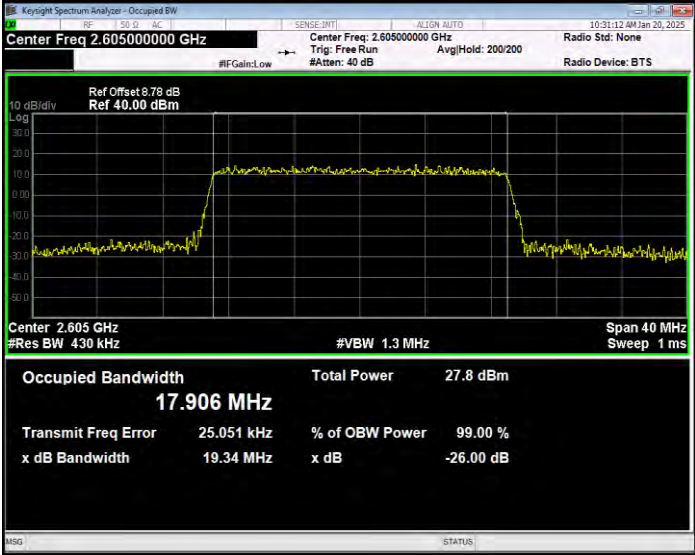
**Band41(2555-2655) 16QAM BW=15MHz Channel=41165 RB Size=75 Position=#0**



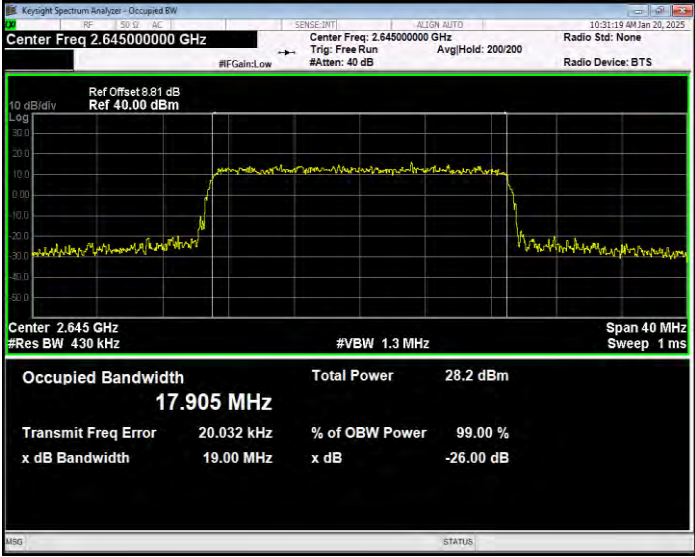
Band41(2555-2655) 16QAM BW=20MHz Channel=40340 RB Size=100 Position=#0



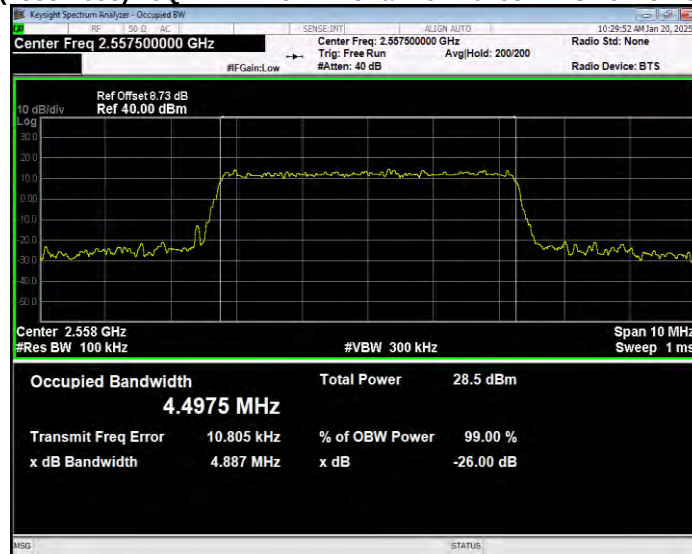
Band41(2555-2655) 16QAM BW=20MHz Channel=40740 RB Size=100 Position=#0



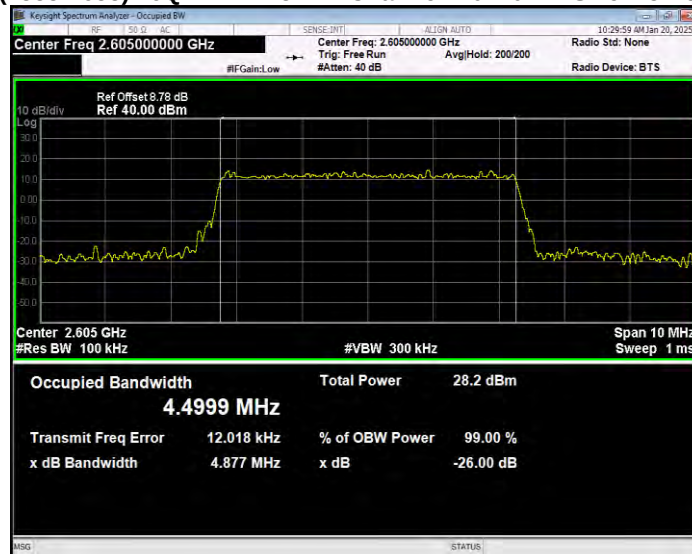
Band41(2555-2655) 16QAM BW=20MHz Channel=41140 RB Size=100 Position=#0



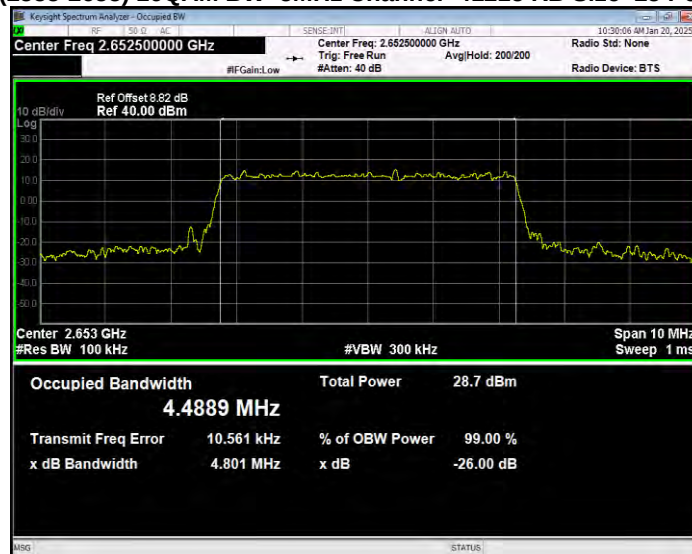
**Band41(2555-2655) 16QAM BW=5MHz Channel=40265 RB Size=25 Position=#0**



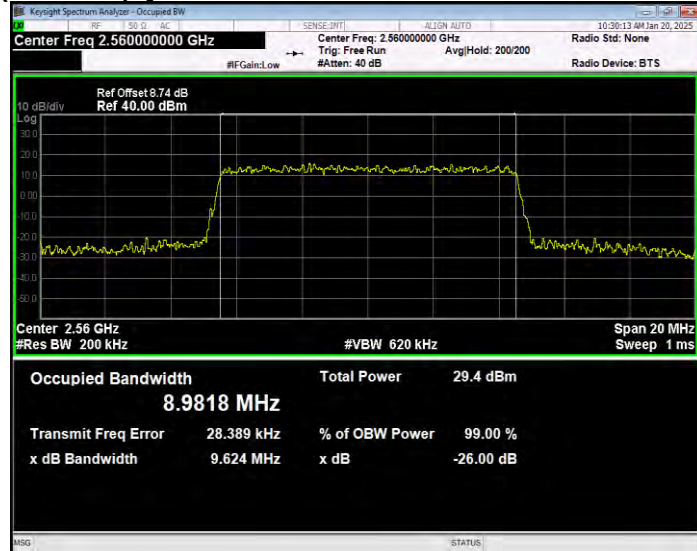
**Band41(2555-2655) 16QAM BW=5MHz Channel=40740 RB Size=25 Position=#0**



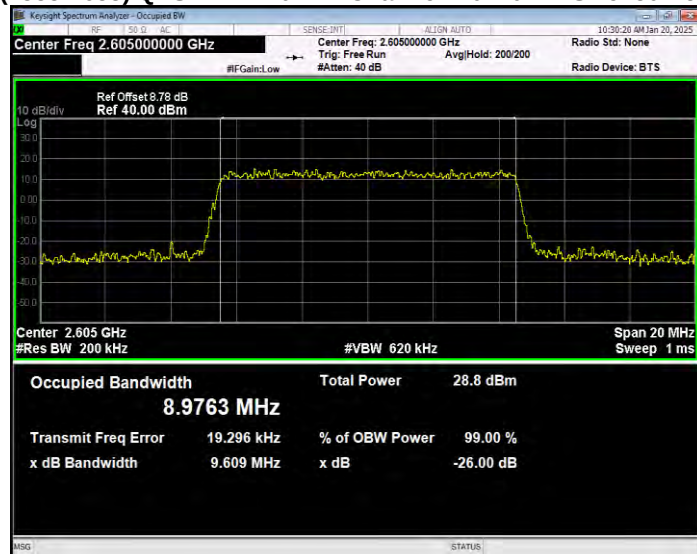
**Band41(2555-2655) 16QAM BW=5MHz Channel=41215 RB Size=25 Position=#0**



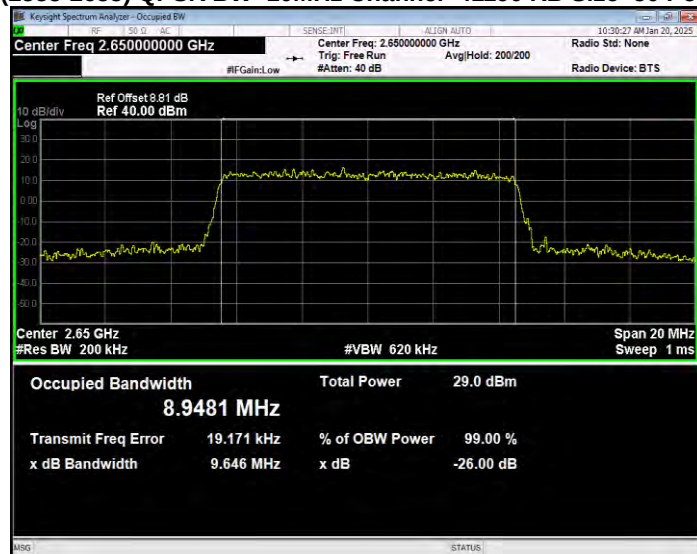
**Band41(2555-2655) QPSK BW=10MHz Channel=40290 RB Size=50 Position=#0**



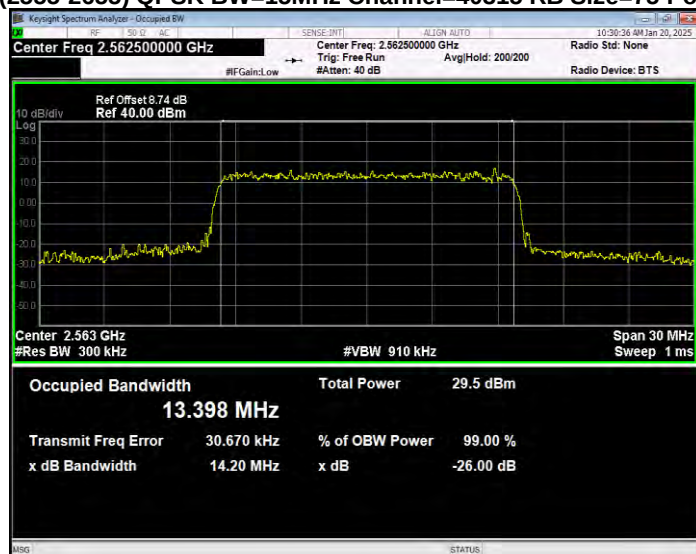
**Band41(2555-2655) QPSK BW=10MHz Channel=40740 RB Size=50 Position=#0**



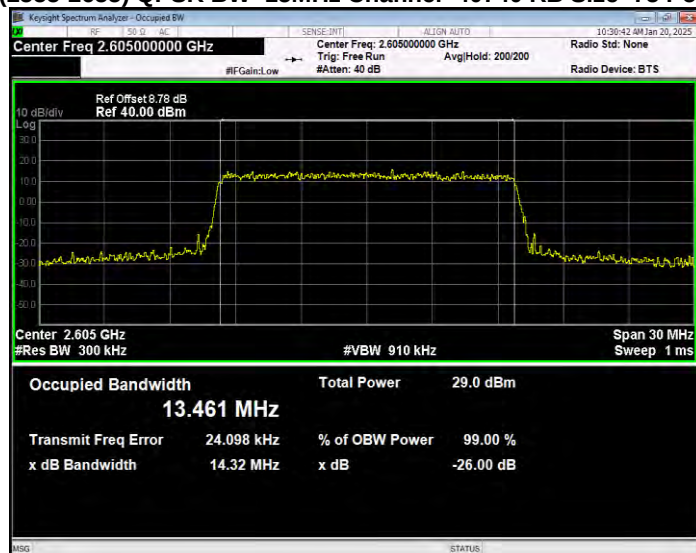
**Band41(2555-2655) QPSK BW=10MHz Channel=41190 RB Size=50 Position=#0**



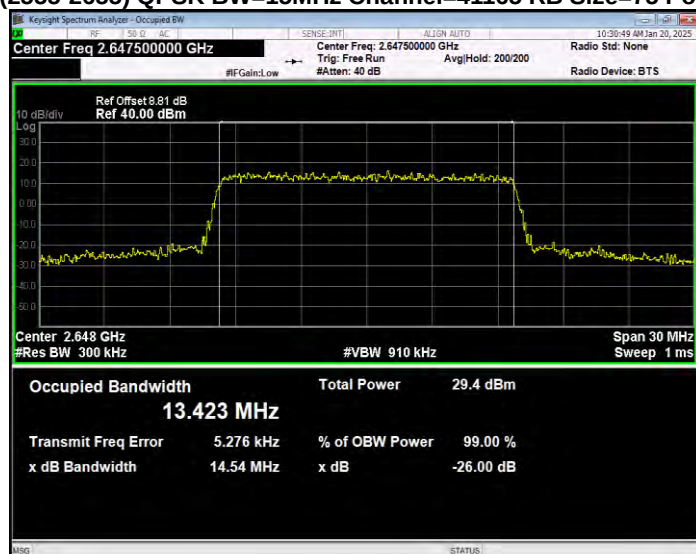
**Band41(2555-2655) QPSK BW=15MHz Channel=40315 RB Size=75 Position=#0**



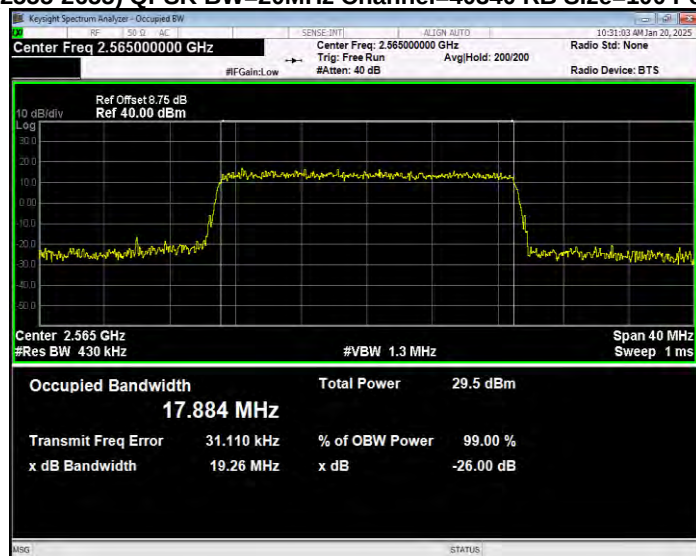
**Band41(2555-2655) QPSK BW=15MHz Channel=40740 RB Size=75 Position=#0**



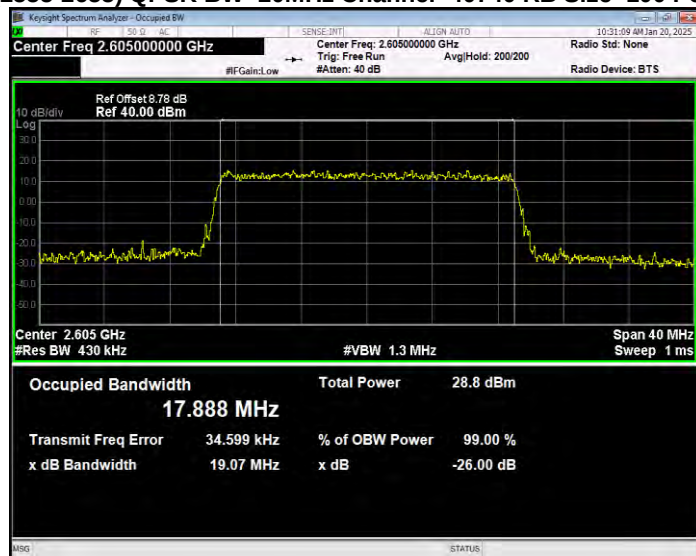
**Band41(2555-2655) QPSK BW=15MHz Channel=41165 RB Size=75 Position=#0**



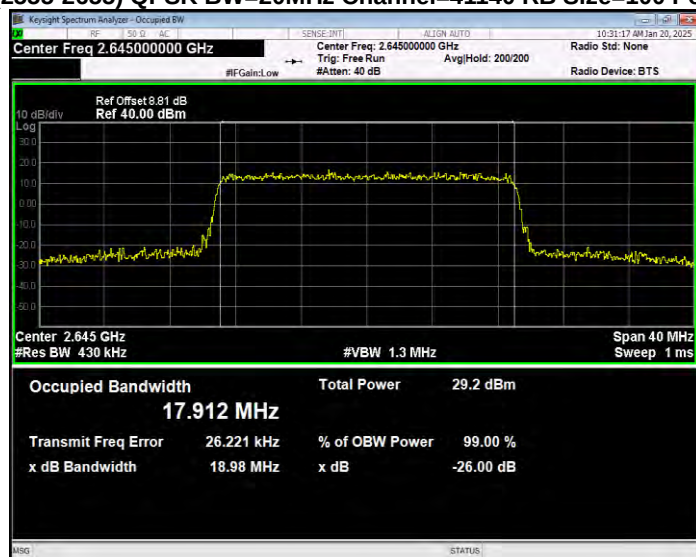
**Band41(2555-2655) QPSK BW=20MHz Channel=40340 RB Size=100 Position=#0**



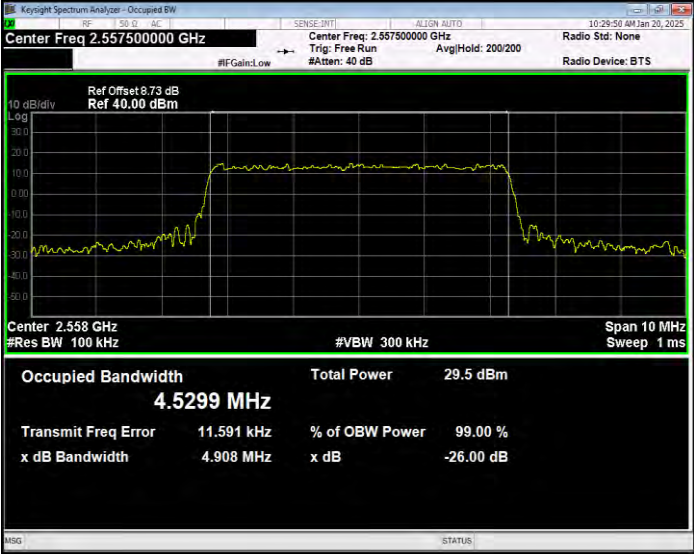
**Band41(2555-2655) QPSK BW=20MHz Channel=40740 RB Size=100 Position=#0**



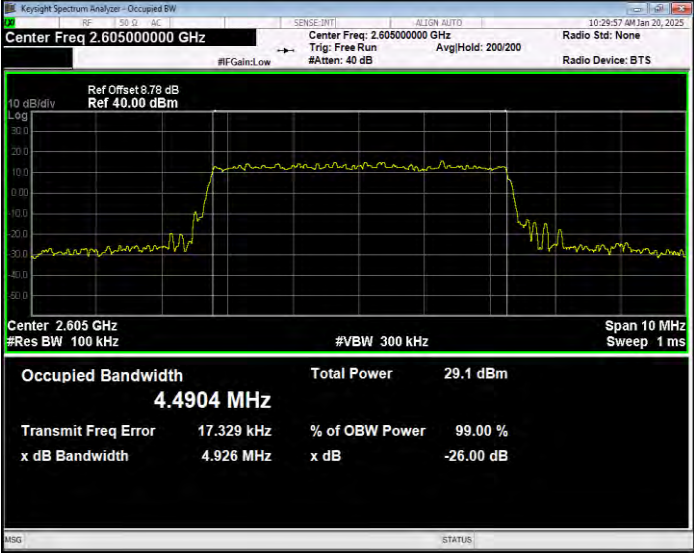
**Band41(2555-2655) QPSK BW=20MHz Channel=41140 RB Size=100 Position=#0**



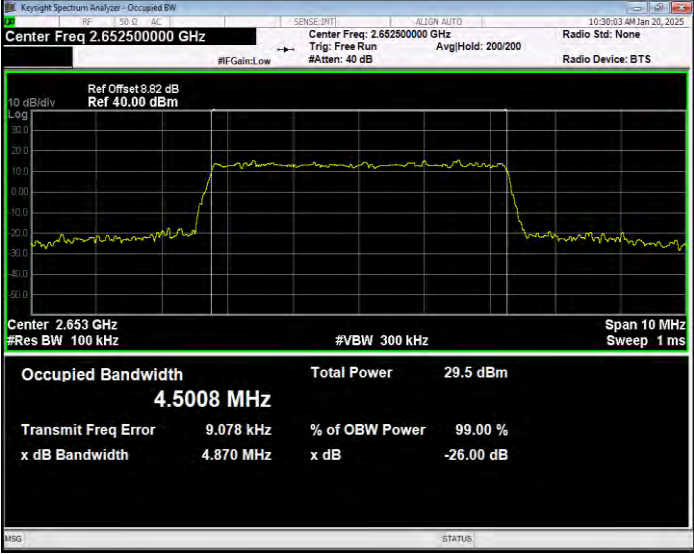
Band41(2555-2655) QPSK BW=5MHz Channel=40265 RB Size=25 Position=#0



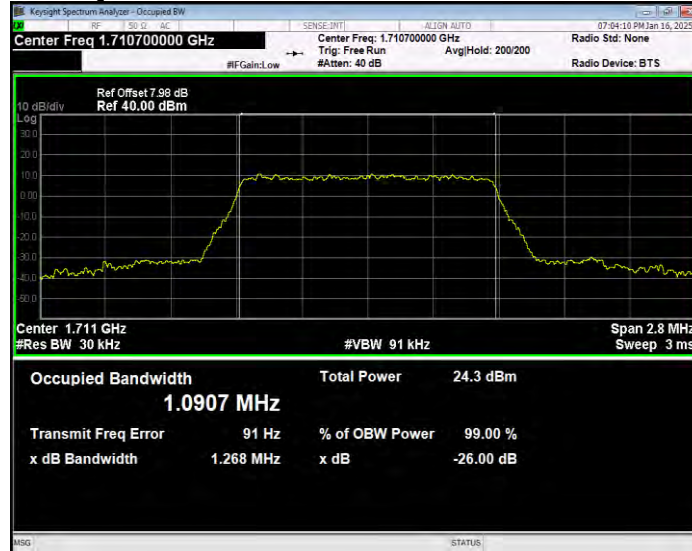
Band41(2555-2655) QPSK BW=5MHz Channel=40740 RB Size=25 Position=#0



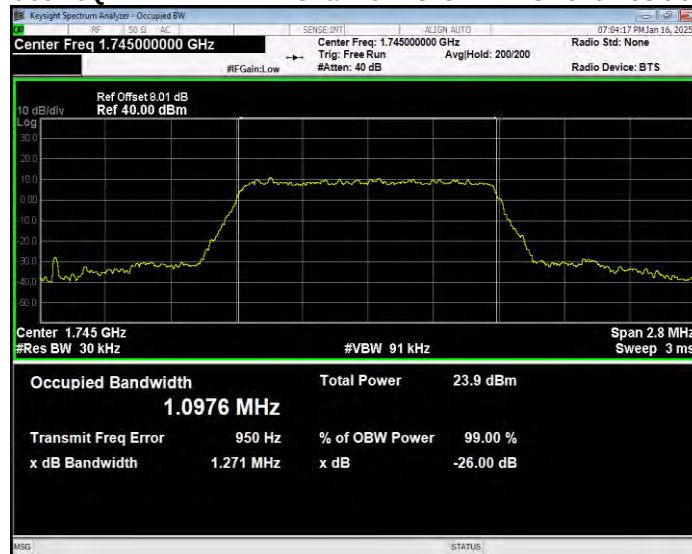
Band41(2555-2655) QPSK BW=5MHz Channel=41215 RB Size=25 Position=#0



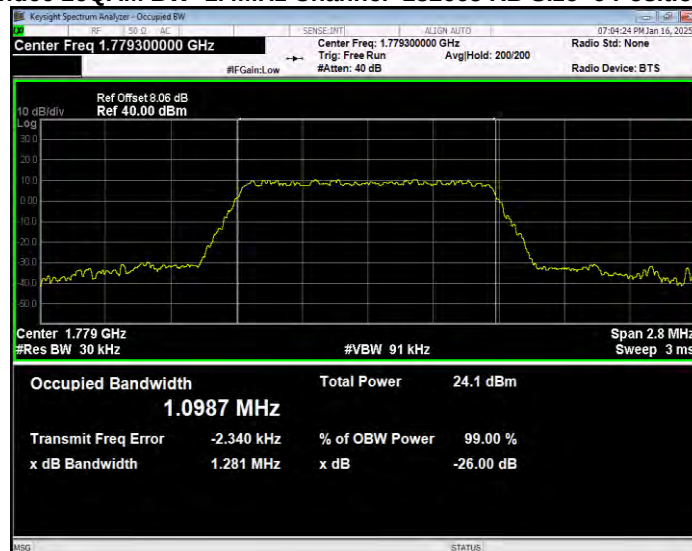
**Band66 16QAM BW=1.4MHz Channel=131979 RB Size=6 Position=#0**



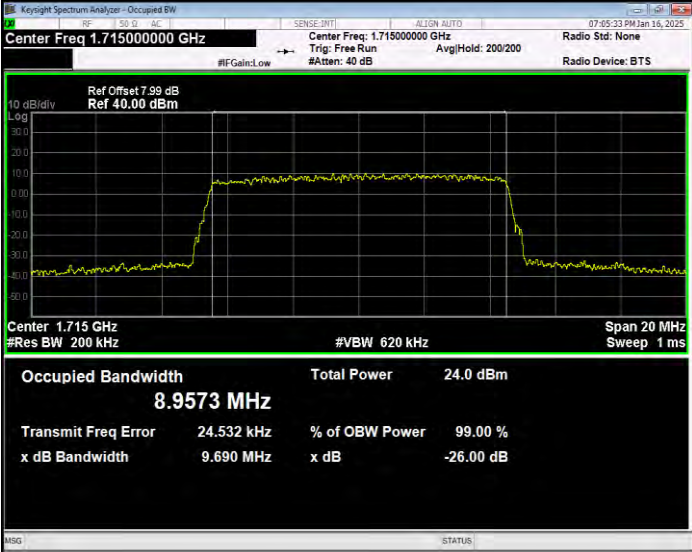
**Band66 16QAM BW=1.4MHz Channel=132322 RB Size=6 Position=#0**



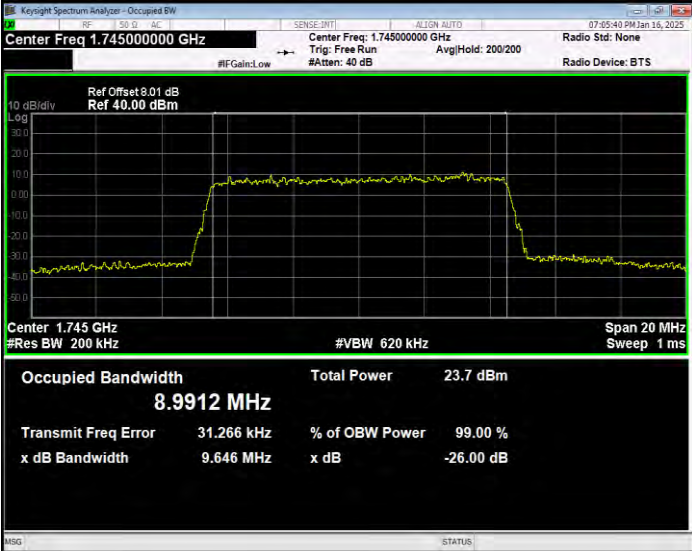
**Band66 16QAM BW=1.4MHz Channel=132665 RB Size=6 Position=#0**



Band66 16QAM BW=10MHz Channel=132022 RB Size=50 Position=#0



Band66 16QAM BW=10MHz Channel=132322 RB Size=50 Position=#0



Band66 16QAM BW=10MHz Channel=132622 RB Size=50 Position=#0

