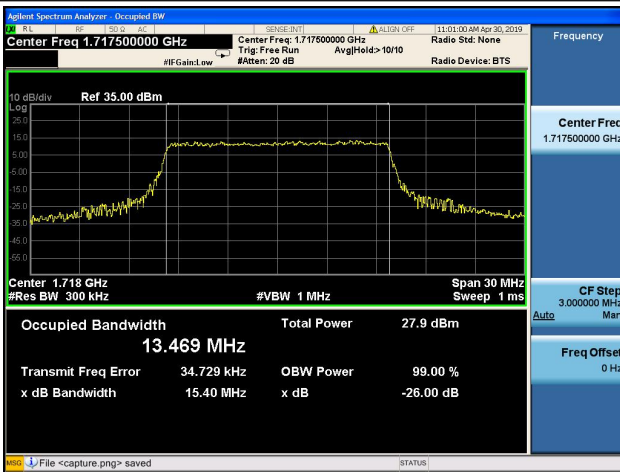
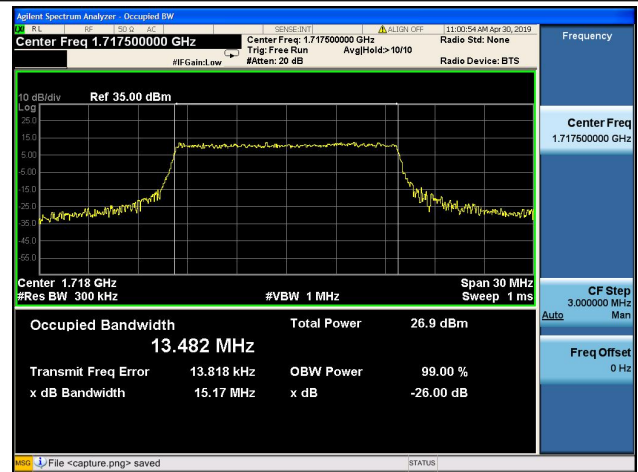




## 15MHz/QPSK/Low CH



## 15MHz/16QAM/Low CH



## 15MHz/QPSK/Mid CH



## 15MHz/16QAM/Mid CH



## 15MHz/QPSK/High CH

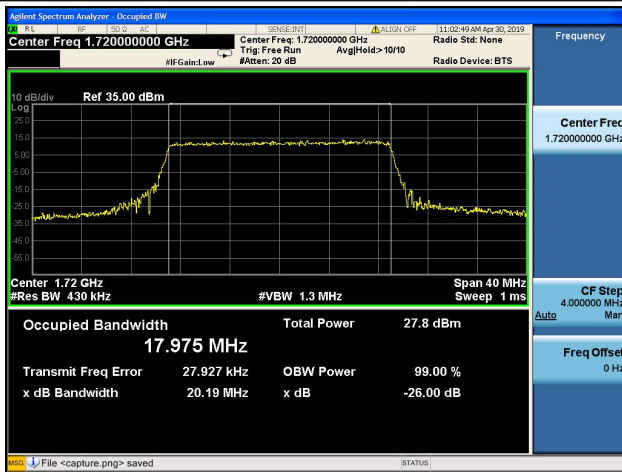


## 15MHz/16QAM/High CH





## 20MHz/QPSK/Low CH



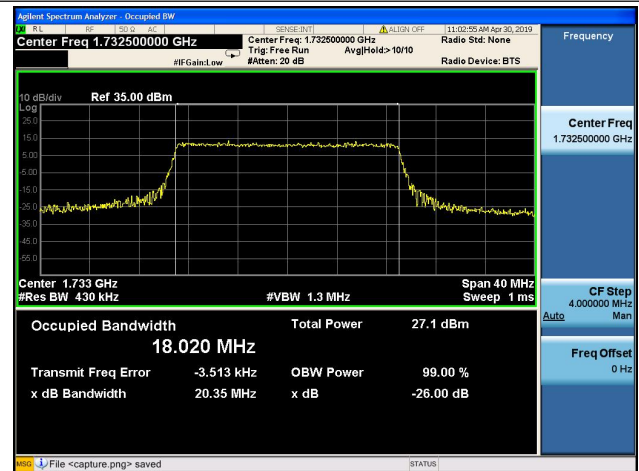
## 20MHz/16QAM/Low CH



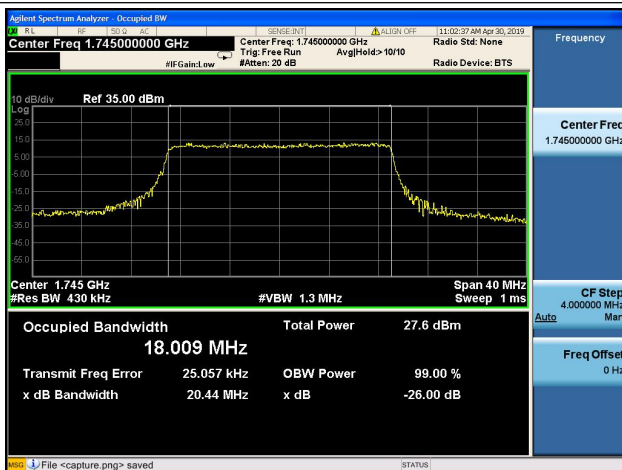
## 20MHz/QPSK/Mid CH



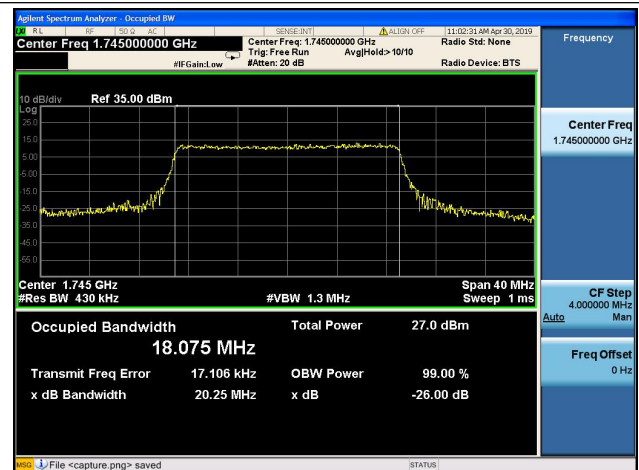
## 20MHz/16QAM/Mid CH

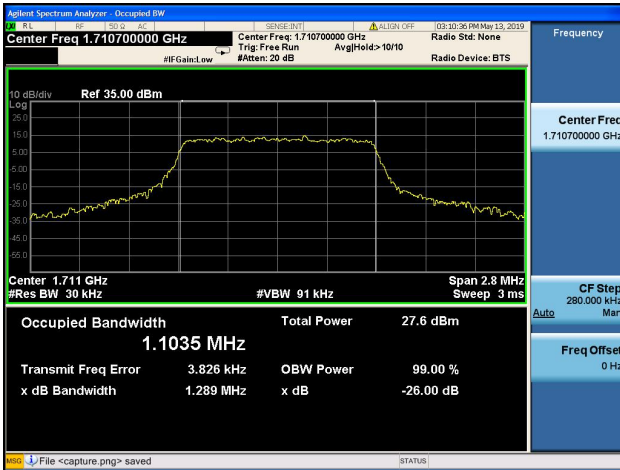
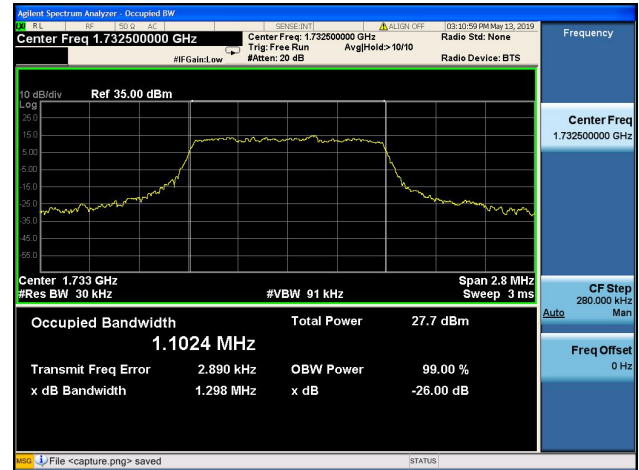
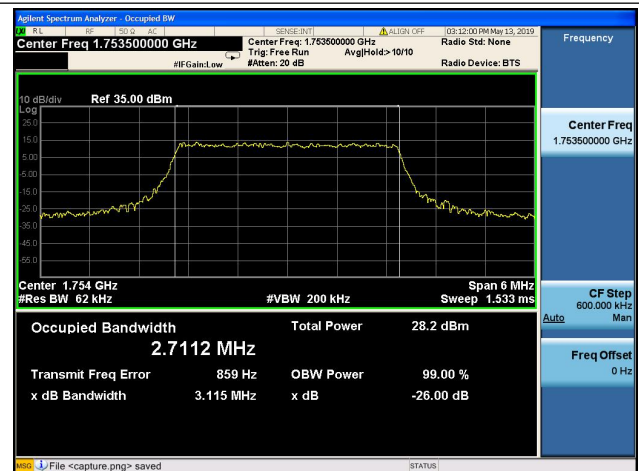


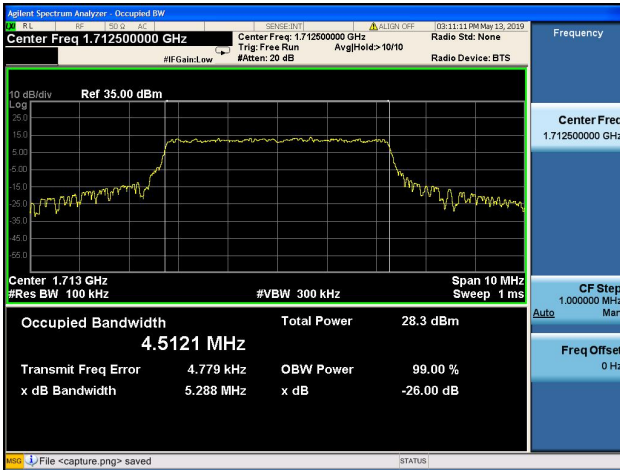
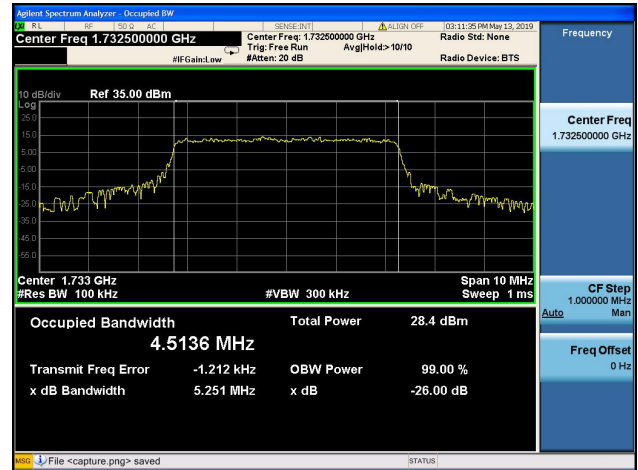
## 20MHz/QPSK/High CH

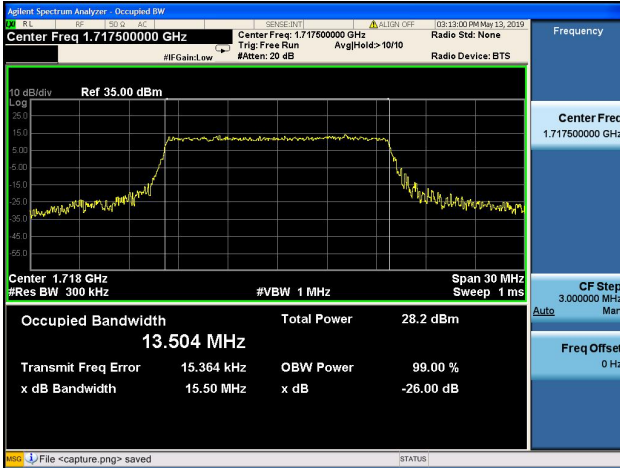
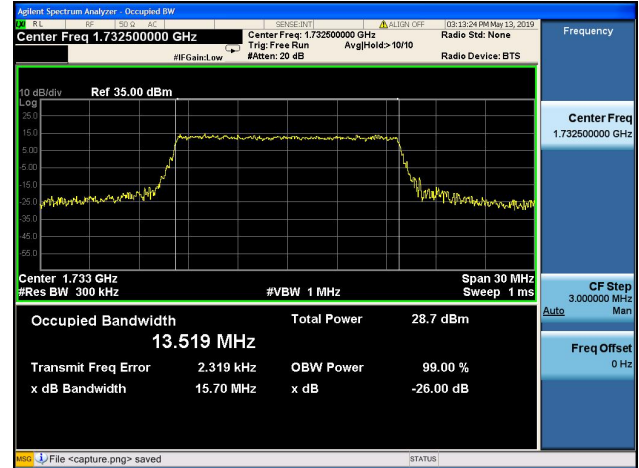
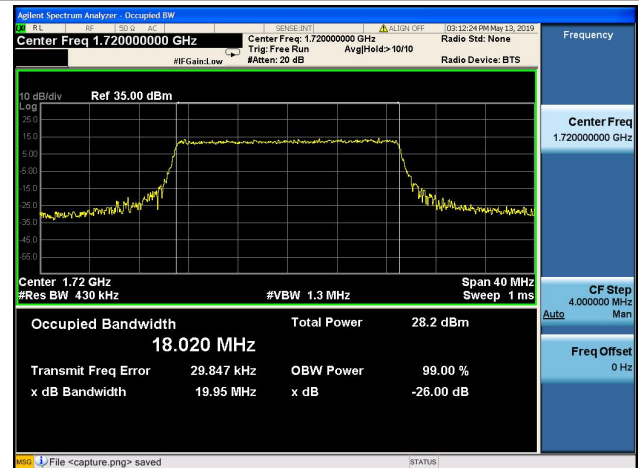


## 20MHz/16QAM/High CH



**1.4MHz/64QAM/Low CH****1.4MHz/64QAM/Mid CH****1.4MHz/64QAM/High CH****3MHz/64QAM/Low CH****3MHz/64QAM/Mid CH****3MHz/64QAM/High CH**

**5MHz/64QAM/Low CH****5MHz/64QAM/Mid CH****5MHz/64QAM/High CH****10MHz/64QAM/Low CH****10MHz/64QAM/Mid CH****10MHz/64QAM/High CH**

**15MHz/64QAM/Low CH****15MHz/64QAM/Mid CH****15MHz/64QAM/High CH****20MHz/64QAM/Low CH****20MHz/64QAM/Mid CH****20MHz/64QAM/High CH**



| LTE Band 5,BW: 1.4MHz |                 |                     |                      |                     |                      |
|-----------------------|-----------------|---------------------|----------------------|---------------------|----------------------|
| Channel               | Frequency (MHz) | QPSK                |                      | 16QAM               |                      |
|                       |                 | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) |
| 20407                 | 824.7           | 1.10                | 1.31                 | 1.10                | 1.28                 |
| 20525                 | 836.5           | 1.10                | 1.30                 | 1.10                | 1.28                 |
| 20643                 | 848.3           | 1.10                | 1.28                 | 1.10                | 1.30                 |
| LTE Band 5,BW: 3MHz   |                 |                     |                      |                     |                      |
| Channel               | Frequency (MHz) | QPSK                |                      | 16QAM               |                      |
|                       |                 | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) |
| 20415                 | 825.5           | 2.71                | 3.05                 | 2.71                | 3.13                 |
| 20525                 | 836.5           | 2.71                | 3.05                 | 2.72                | 3.14                 |
| 20635                 | 847.5           | 2.72                | 3.03                 | 2.72                | 3.09                 |
| LTE Band 5,BW: 5MHz   |                 |                     |                      |                     |                      |
| Channel               | Frequency (MHz) | QPSK                |                      | 16QAM               |                      |
|                       |                 | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) |
| 20425                 | 826.5           | 4.52                | 5.30                 | 4.52                | 5.41                 |
| 20525                 | 836.5           | 4.51                | 5.32                 | 4.52                | 5.22                 |
| 20625                 | 846.5           | 4.51                | 5.22                 | 4.51                | 5.36                 |
| LTE Band 5,BW: 10MHz  |                 |                     |                      |                     |                      |
| Channel               | Frequency (MHz) | QPSK                |                      | 16QAM               |                      |
|                       |                 | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) |
| 20450                 | 829.0           | 9.00                | 10.16                | 8.97                | 9.86                 |
| 20525                 | 836.5           | 9.02                | 10.25                | 8.98                | 10.04                |
| 20600                 | 844.0           | 9.00                | 10.27                | 8.99                | 9.99                 |

| LTE Band 5,BW: 1.4MHz |                 |                     |                      |  |  |
|-----------------------|-----------------|---------------------|----------------------|--|--|
| Channel               | Frequency (MHz) | 64QAM               |                      |  |  |
|                       |                 | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) |  |  |
| 20407                 | 824.7           | 1.10                | 1.31                 |  |  |
| 20525                 | 836.5           | 1.10                | 1.30                 |  |  |
| 20643                 | 848.3           | 1.10                | 1.30                 |  |  |
| LTE Band 5,BW: 3MHz   |                 |                     |                      |  |  |

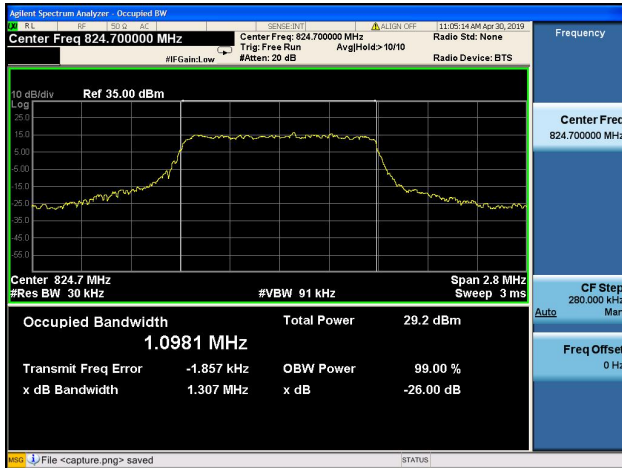


| Channel                     | Frequency<br>(MHz) | 64QAM                  |                         |  |  |
|-----------------------------|--------------------|------------------------|-------------------------|--|--|
|                             |                    | 99% Bandwidth<br>(MHz) | 26dB Bandwidth<br>(MHz) |  |  |
| 20415                       | 825.5              | 2.71                   | 3.13                    |  |  |
| 20525                       | 836.5              | 2.72                   | 3.13                    |  |  |
| 20635                       | 847.5              | 2.71                   | 3.12                    |  |  |
| <b>LTE Band 5,BW: 5MHz</b>  |                    |                        |                         |  |  |
| Channel                     | Frequency<br>(MHz) | 64QAM                  |                         |  |  |
|                             |                    | 99% Bandwidth<br>(MHz) | 26dB Bandwidth<br>(MHz) |  |  |
| 20425                       | 826.5              | 4.52                   | 5.33                    |  |  |
| 20525                       | 836.5              | 4.52                   | 5.35                    |  |  |
| 20625                       | 846.5              | 4.51                   | 5.51                    |  |  |
| <b>LTE Band 5,BW: 10MHz</b> |                    |                        |                         |  |  |
| Channel                     | Frequency<br>(MHz) | 64QAM                  |                         |  |  |
|                             |                    | 99% Bandwidth<br>(MHz) | 26dB Bandwidth<br>(MHz) |  |  |
| 20450                       | 829.0              | 8.97                   | 9.96                    |  |  |
| 20525                       | 836.5              | 8.98                   | 9.96                    |  |  |
| 20600                       | 844.0              | 8.98                   | 10.15                   |  |  |

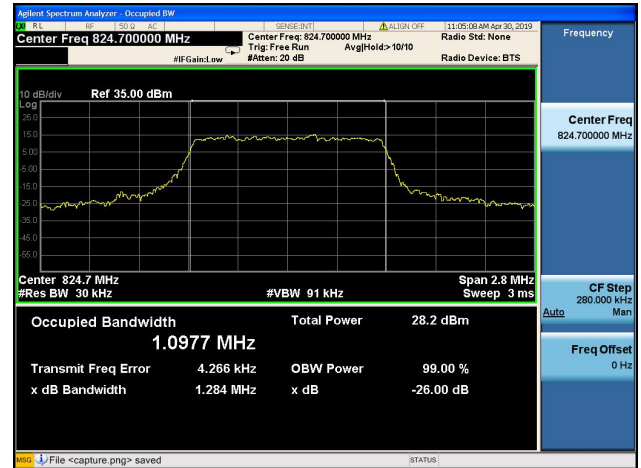


## LTE Band 5 99%&amp;26dB Bandwidth

## 1.4MHz/QPSK/Low CH



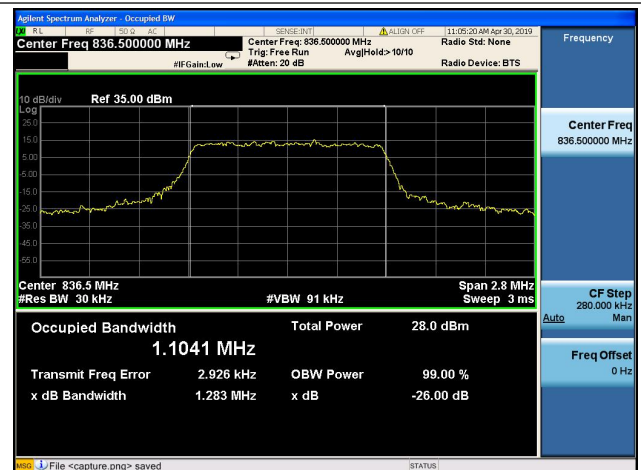
## 1.4MHz/16QAM/Low CH



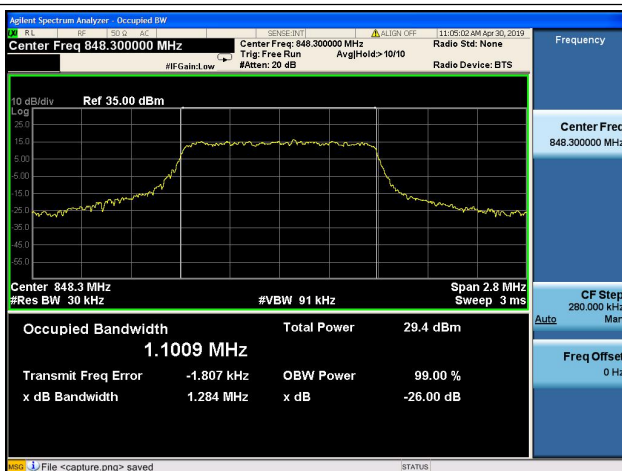
## 1.4MHz/QPSK/Mid CH



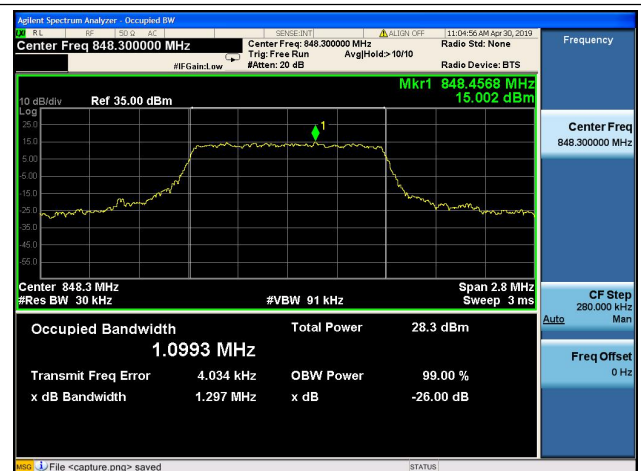
## 1.4MHz/16QAM/Mid CH



## 1.4MHz/QPSK/High CH

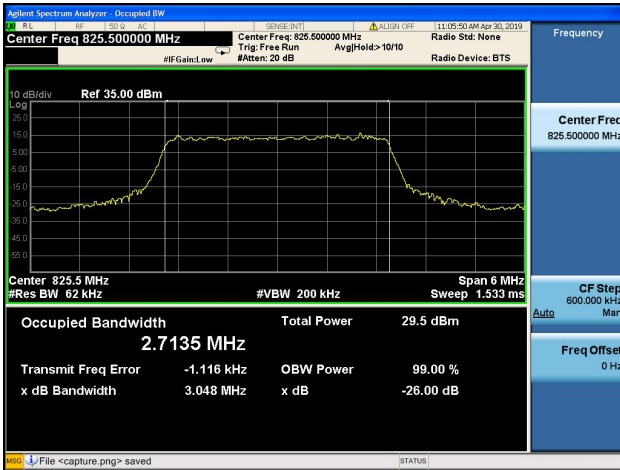


## 1.4MHz/16QAM/High CH

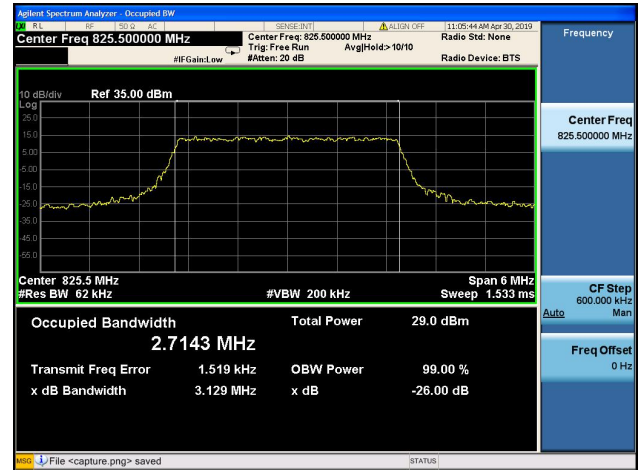




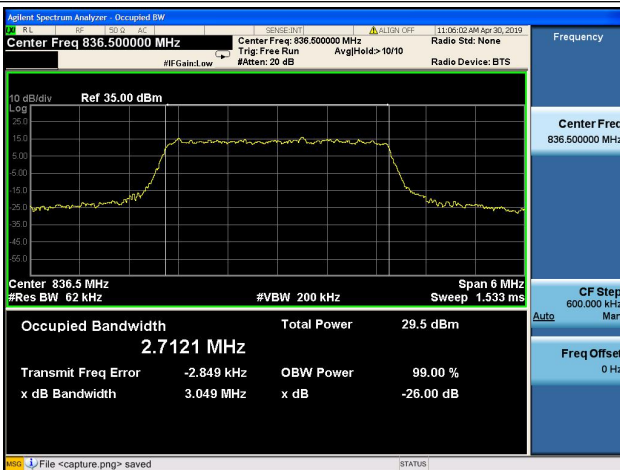
## 3MHz/QPSK/Low CH



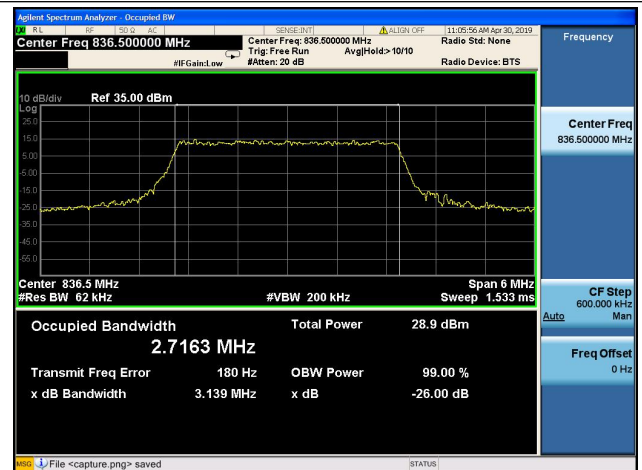
## 3MHz/16QAM/Low CH



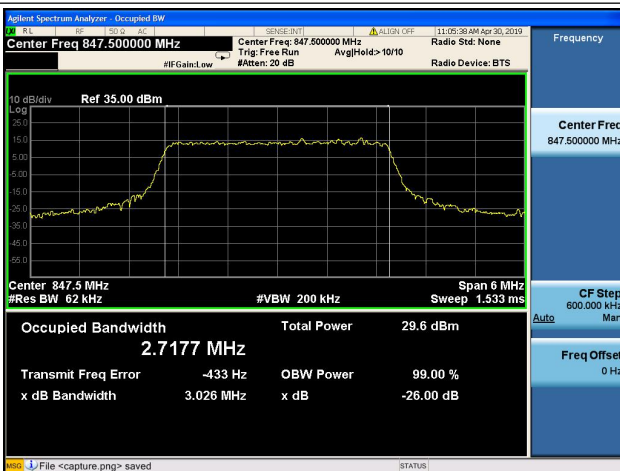
## 3MHz/QPSK/Mid CH



## 3MHz/16QAM/Mid CH



## 3MHz/QPSK/High CH



## 3MHz/16QAM/High CH

