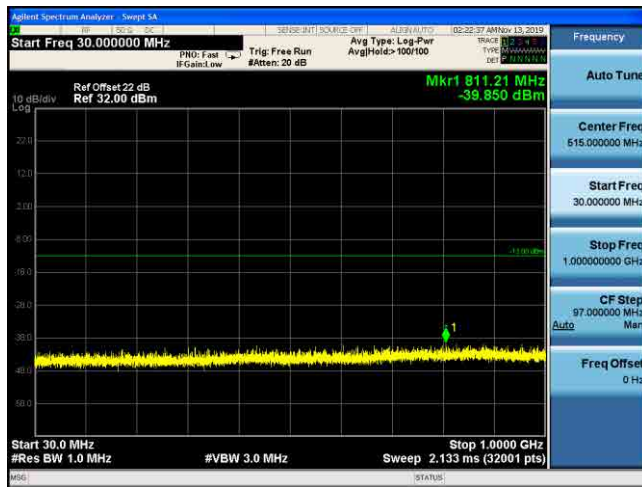
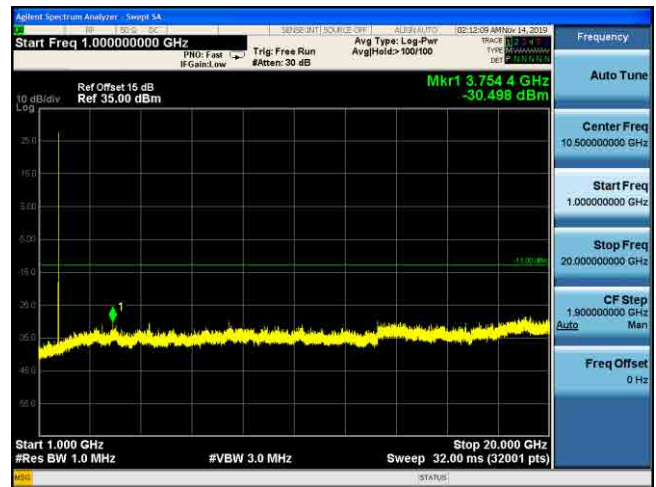


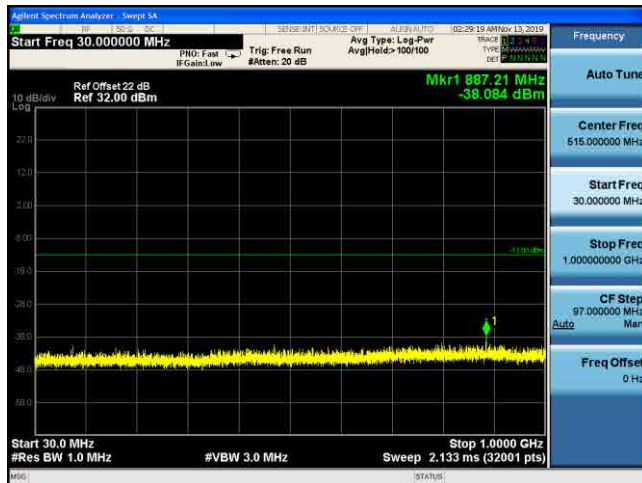
### LTE Band 4 16QAM 1.4MHz CH20175 1RB#2\_30MHz-1GHz



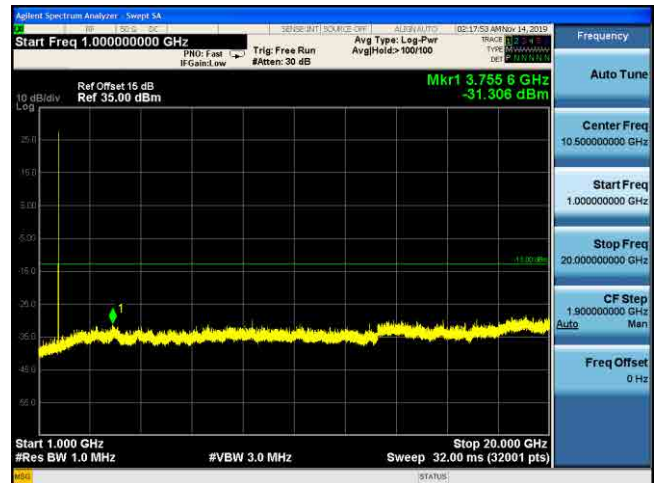
### LTE Band 4 16QAM 1.4MHz CH20175 1RB#2\_1GHz-20GHz



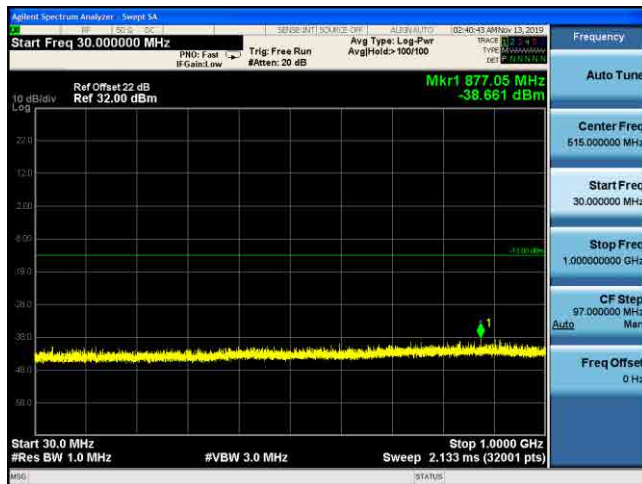
### LTE Band 4 16QAM 3MHz CH20175 1RB#7\_30MHz-1GHz



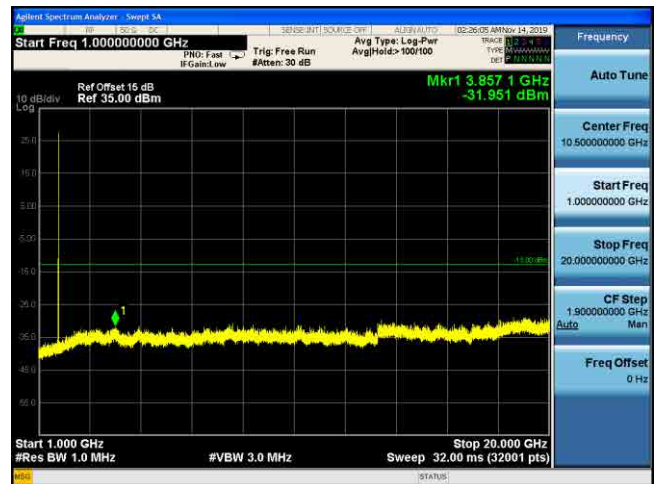
### LTE Band 4 16QAM 3MHz CH20175 1RB#7\_1GHz-20GHz



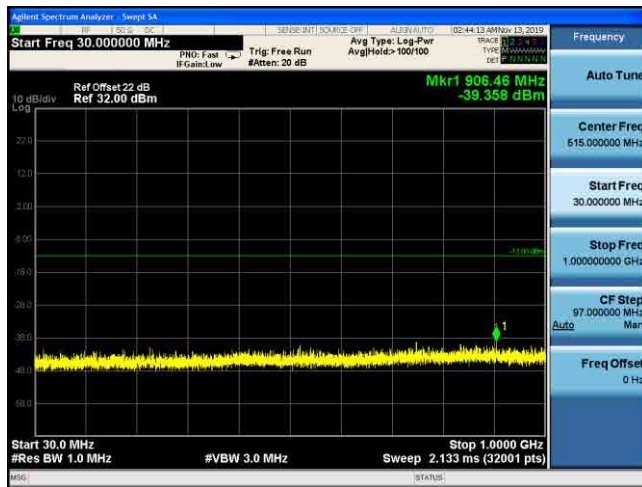
### LTE Band 4 16QAM 5MHz CH20175 1RB#12\_30MHz-1GHz



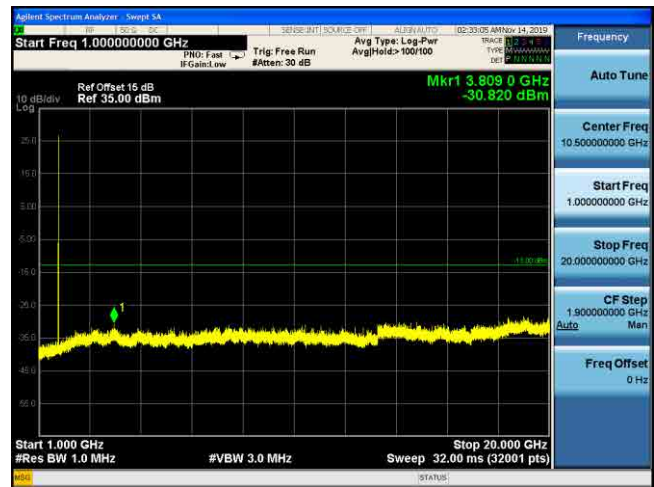
### LTE Band 4 16QAM 5MHz CH20175 1RB#12\_1GHz-20GHz



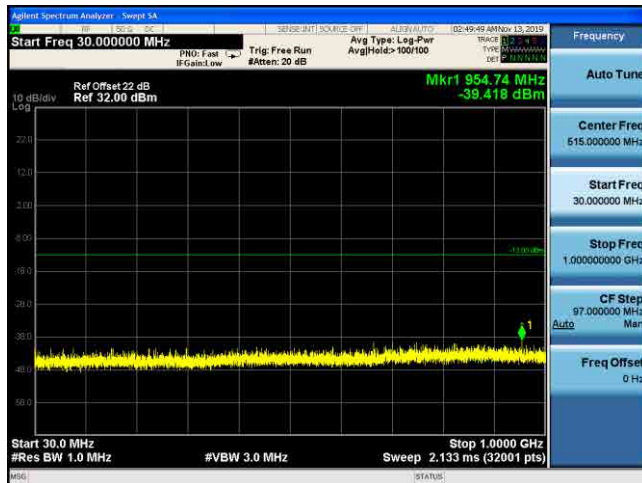
### LTE Band 4 16QAM 10MHz CH20175 1RB#25\_30MHz-1GHz



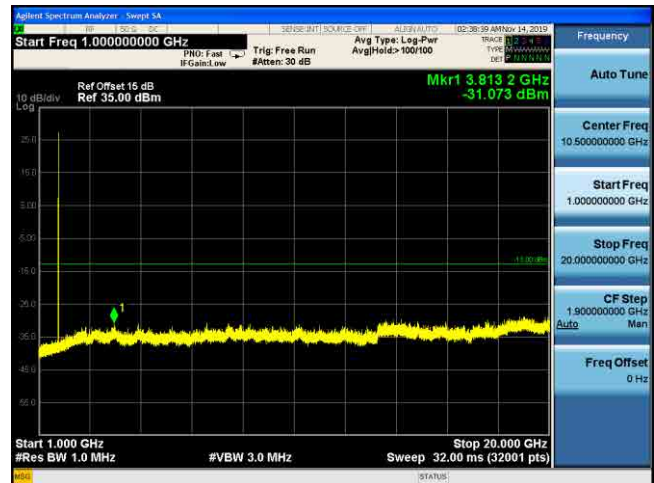
### LTE Band 4 16QAM 10MHz CH20175 1RB#25\_1GHz-20GHz



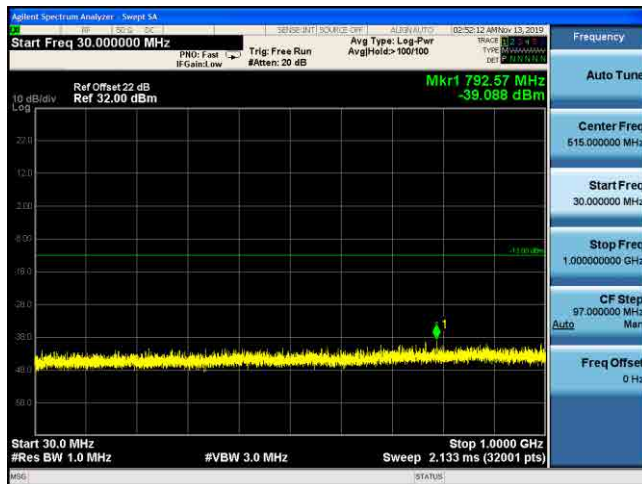
### LTE Band 4 16QAM 15MHz CH20175 1RB#36\_30MHz-1GHz



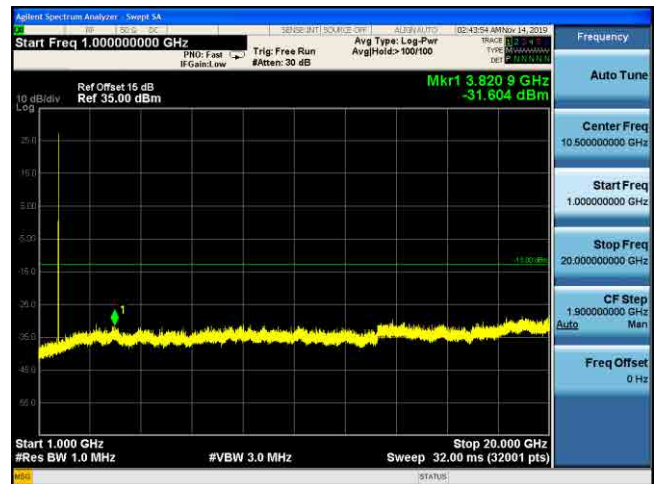
### LTE Band 4 16QAM 15MHz CH20175 1RB#36\_1GHz-20GHz



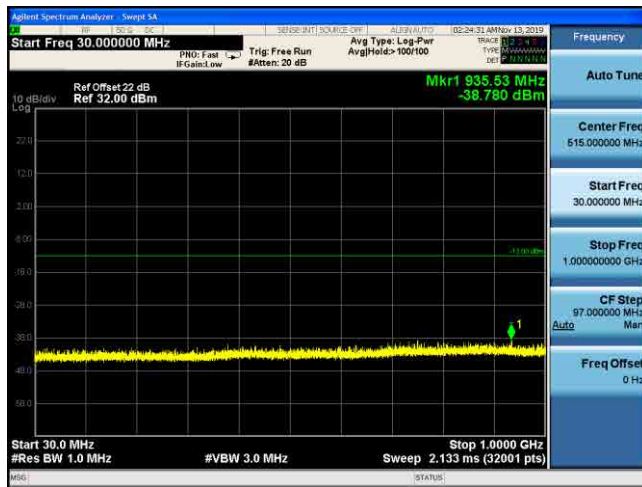
### LTE Band 4 16QAM 20MHz CH20175 1RB#49\_30MHz-1GHz



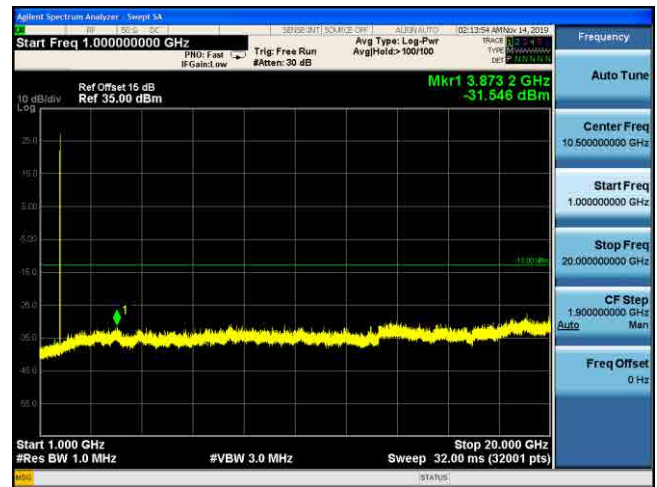
### LTE Band 4 16QAM 20MHz CH20175 1RB#49\_1GHz-20GHz



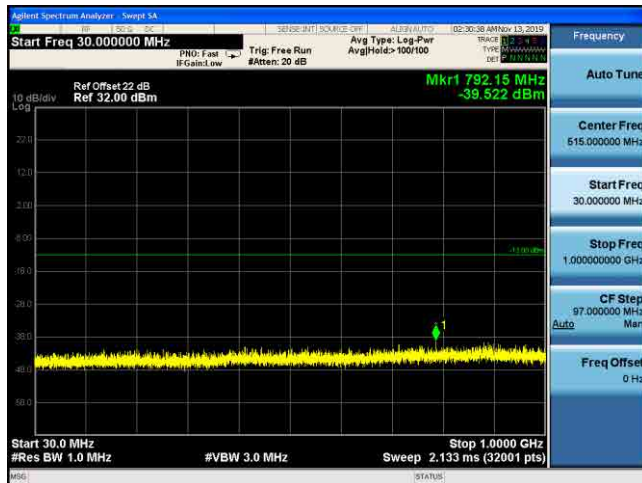
### LTE Band 4 QPSK 1.4MHz CH20393 1RB#2\_30MHz-1GHz



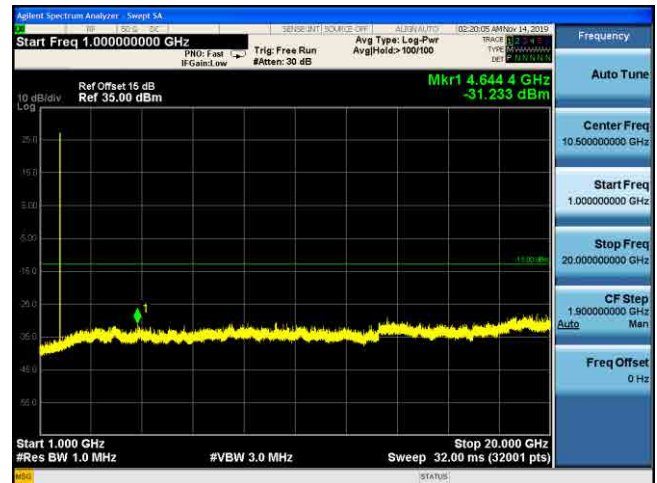
### LTE Band 4 QPSK 1.4MHz CH20393 1RB#2\_1GHz-20GHz



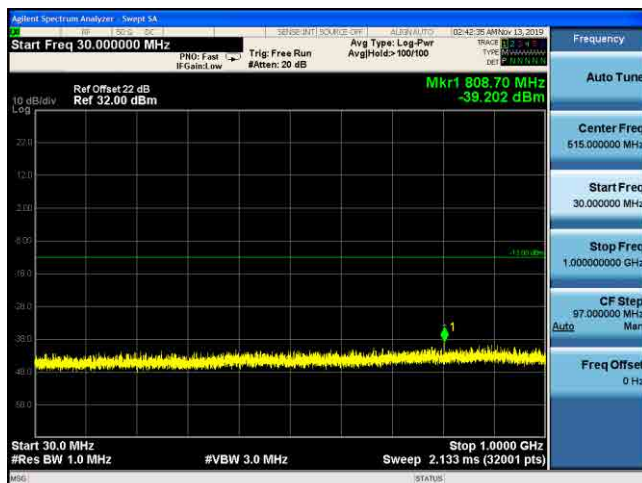
### LTE Band 4 QPSK 3MHz CH20385 1RB#7\_30MHz-1GHz



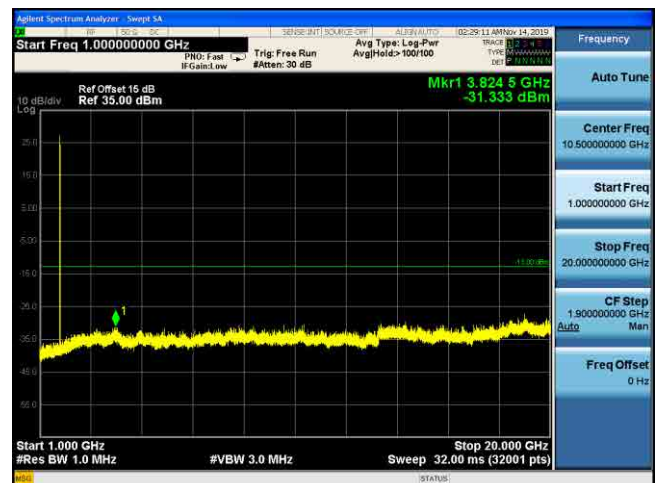
### LTE Band 4 QPSK 3MHz CH20385 1RB#7\_1GHz-20GHz



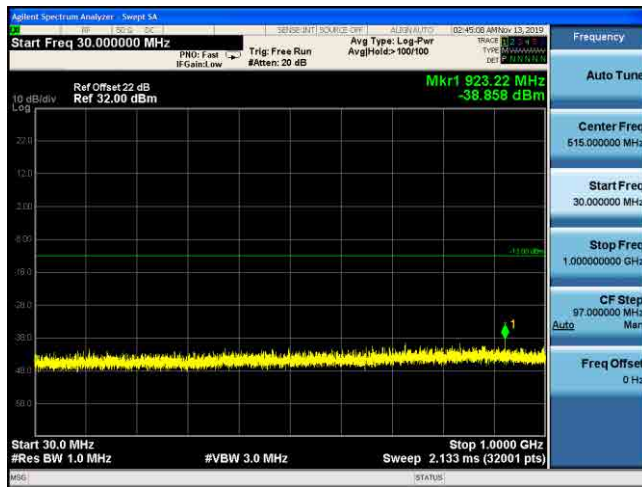
### LTE Band 4 QPSK 5MHz CH20375 1RB#12\_30MHz-1GHz



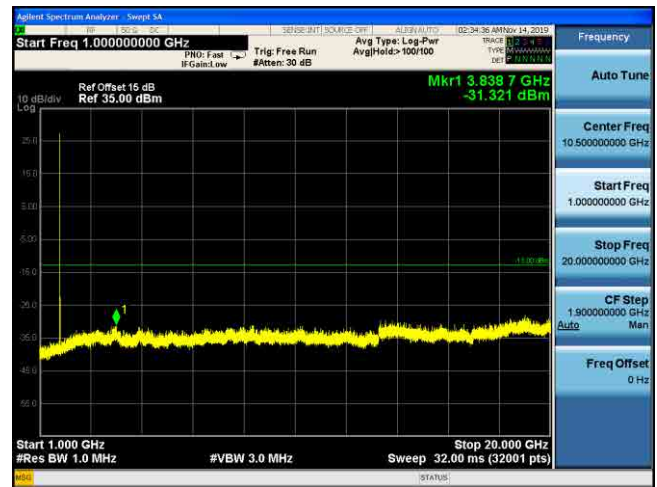
### LTE Band 4 QPSK 5MHz CH20375 1RB#12\_1GHz-20GHz



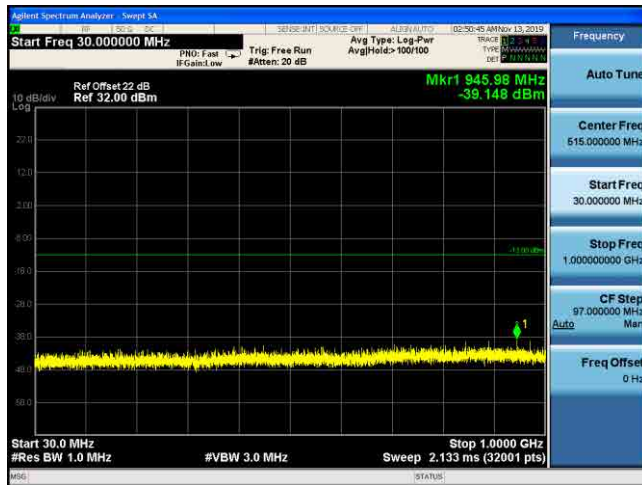
### LTE Band 4 QPSK 10MHz CH20350 1RB#25\_30MHz-1GHz



### LTE Band 4 QPSK 10MHz CH20350 1RB#25\_1GHz-20GHz



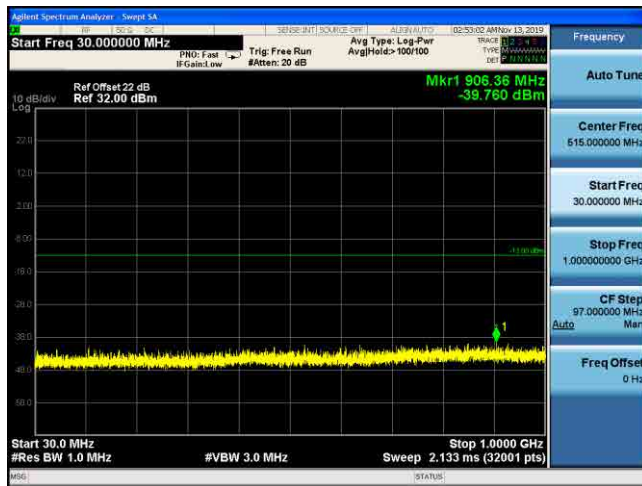
### LTE Band 4 QPSK 15MHz CH20325 1RB#36\_30MHz-1GHz



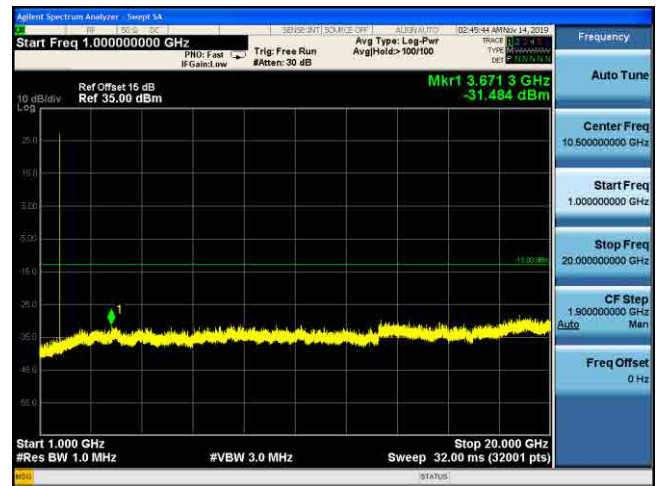
### LTE Band 4 QPSK 15MHz CH20325 1RB#36\_1GHz-20GHz



### LTE Band 4 QPSK 20MHz CH20300 1RB#49\_30MHz-1GHz

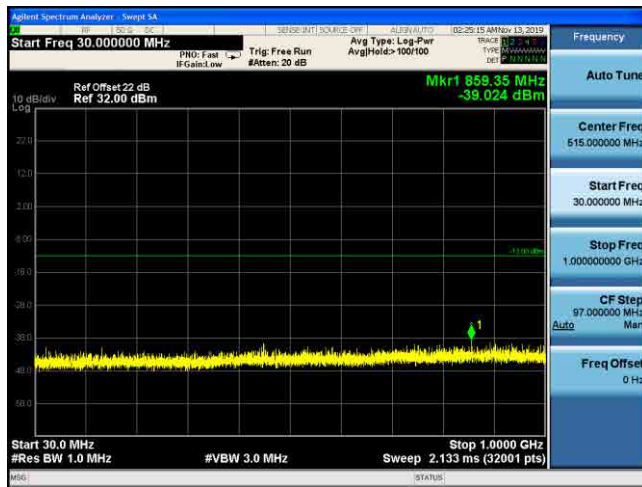


### LTE Band 4 QPSK 20MHz CH20300 1RB#49\_1GHz-20GHz

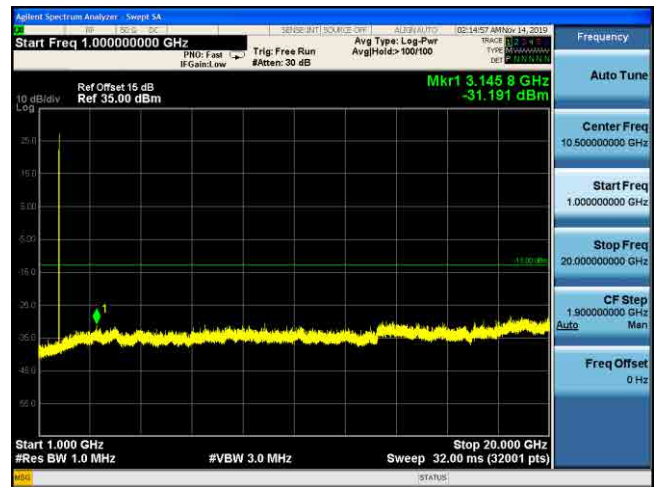




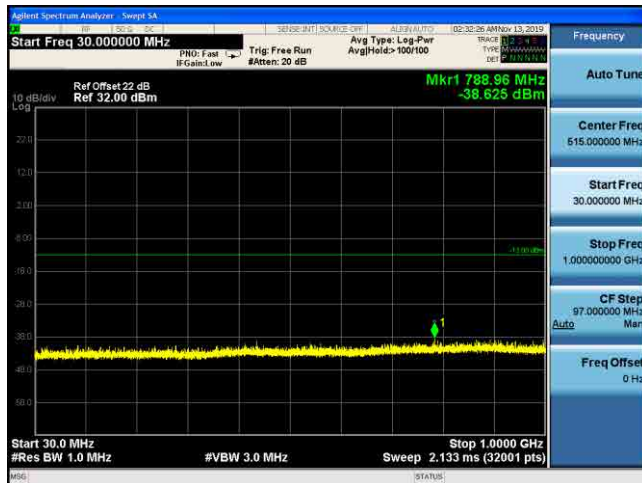
### LTE Band 4 16QAM 1.4MHz CH20393 1RB#2\_30MHz-1GHz



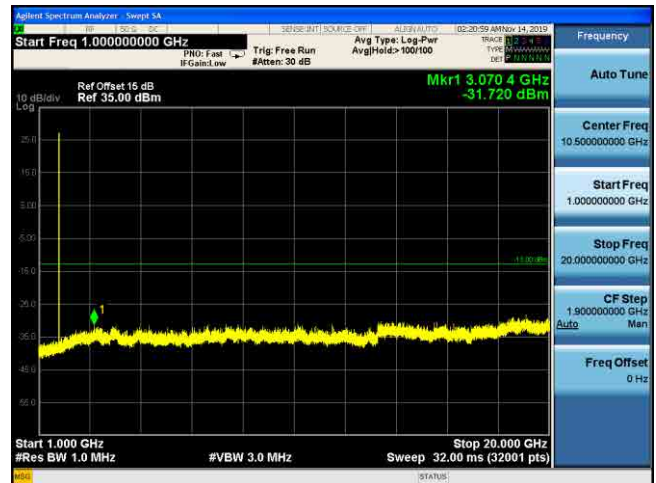
### LTE Band 4 16QAM 1.4MHz CH20393 1RB#2\_1GHz-20GHz



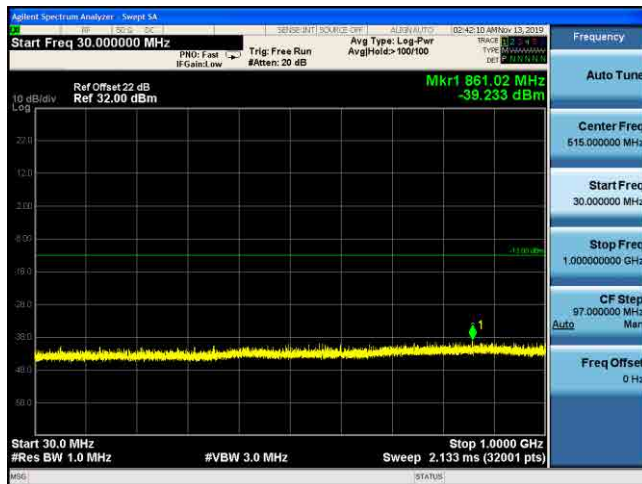
### LTE Band 4 16QAM 3MHz CH20385 1RB#7\_30MHz-1GHz



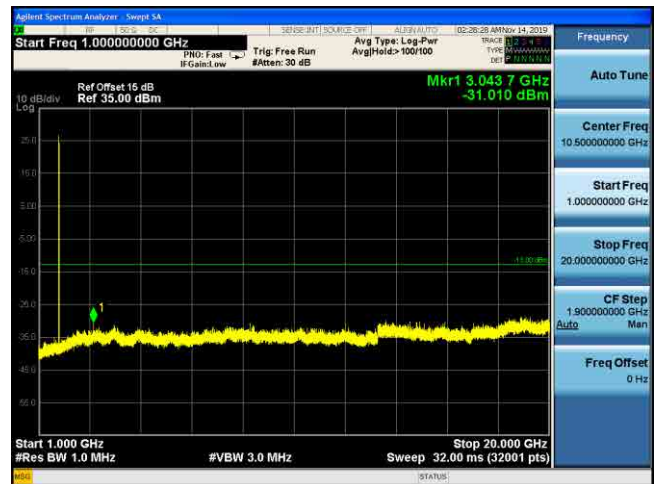
### LTE Band 4 16QAM 3MHz CH20385 1RB#7\_1GHz-20GHz



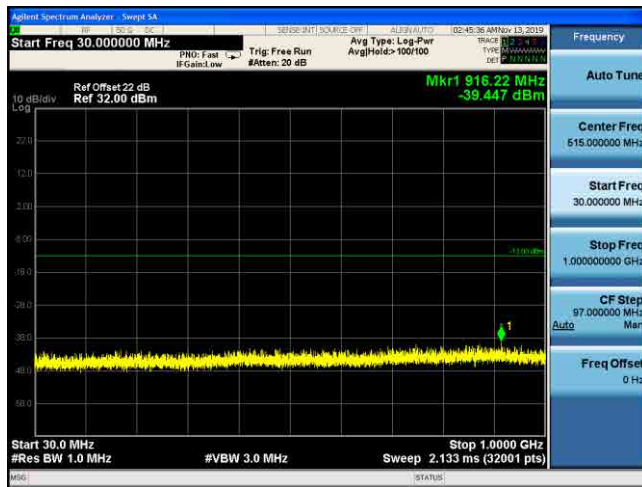
### LTE Band 4 16QAM 5MHz CH20375 1RB#12\_30MHz-1GHz



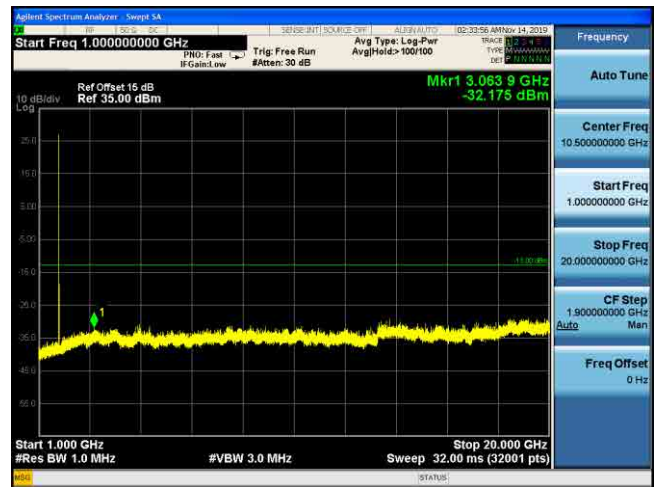
### LTE Band 4 16QAM 5MHz CH20375 1RB#12\_1GHz-20GHz



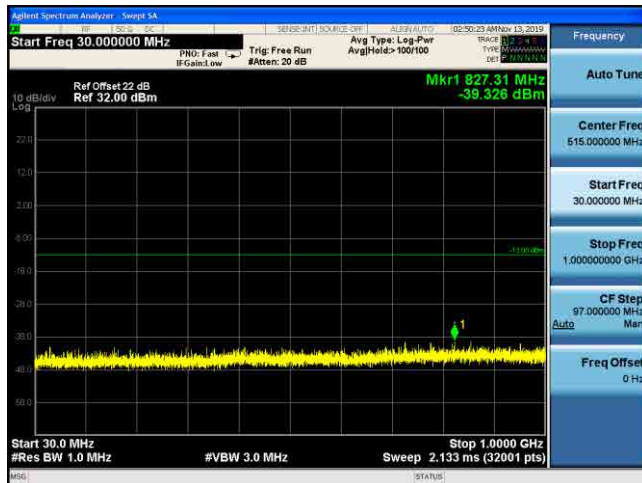
### LTE Band 4 16QAM 10MHz CH20350 1RB#25\_30MHz-1GHz



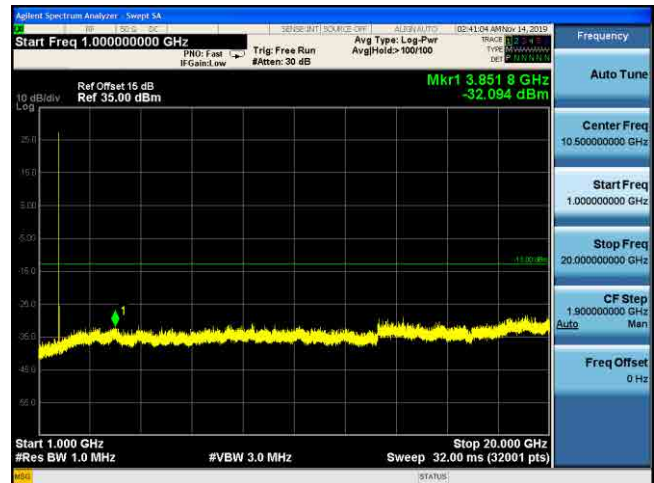
### LTE Band 4 16QAM 10MHz CH20350 1RB#25\_1GHz-20GHz



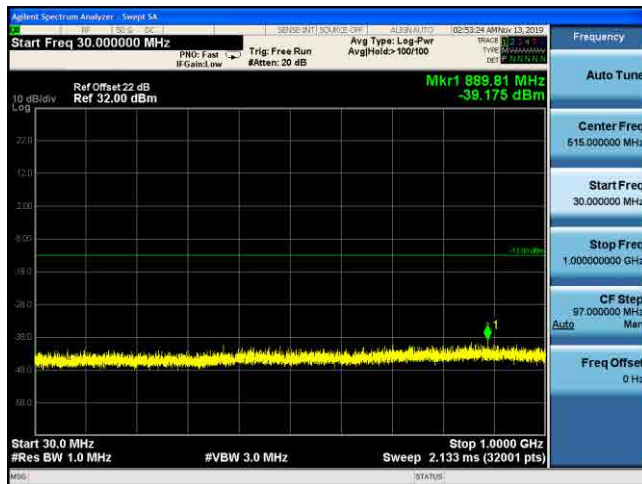
### LTE Band 4 16QAM 15MHz CH20325 1RB#36\_30MHz-1GHz



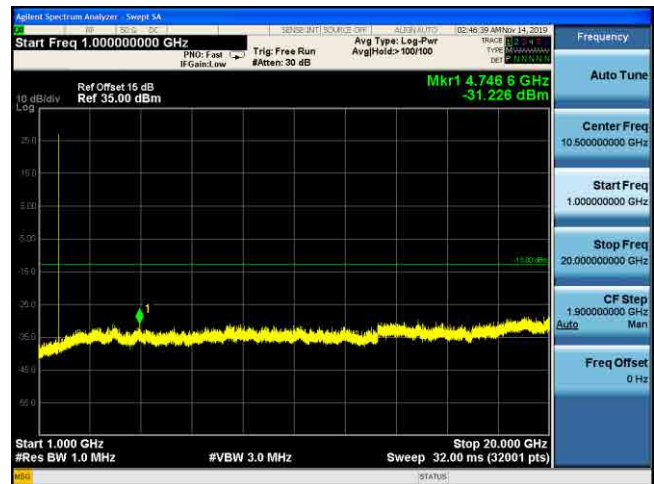
### LTE Band 4 16QAM 15MHz CH20325 1RB#36\_1GHz-20GHz



### LTE Band 4 16QAM 20MHz CH20300 1RB#49\_30MHz-1GHz

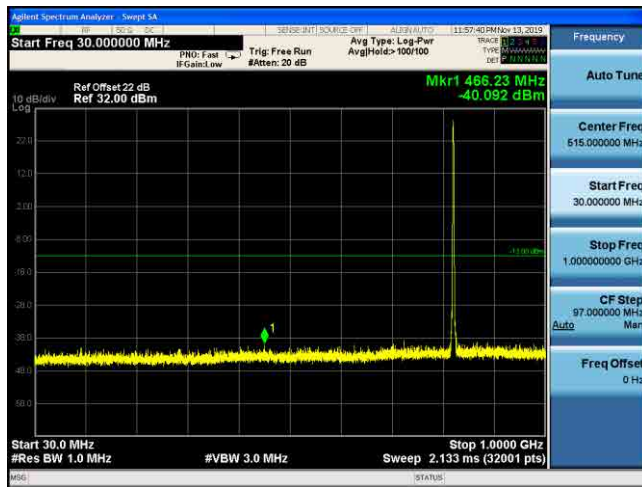


### LTE Band 4 16QAM 20MHz CH20300 1RB#49\_1GHz-20GHz

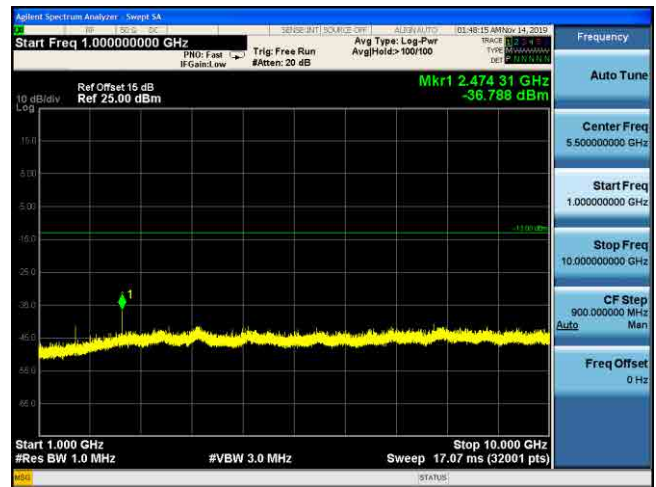


| Test Mode                         | Modulation | Channel/<br>Frequency<br>(MHz) | Bandwidth<br>(MHz) | RB<br>Size | RB<br>Offset | Test Result |
|-----------------------------------|------------|--------------------------------|--------------------|------------|--------------|-------------|
| LTE Band 5<br>(Low Channel)       | QPSK       | CH20407 / 824.7MHz             | 1.4                | 1          | 2            | Pass        |
|                                   |            | CH20415 / 825.5MHz             | 3                  | 1          | 7            | Pass        |
|                                   |            | CH20425 / 826.5MHz             | 5                  | 1          | 12           | Pass        |
|                                   |            | CH20450 / 829MHz               | 10                 | 1          | 25           | Pass        |
|                                   | 16QAM      | CH20407 / 824.7MHz             | 1.4                | 1          | 2            | Pass        |
|                                   |            | CH20415 / 825.5MHz             | 3                  | 1          | 7            | Pass        |
|                                   |            | CH20425 / 826.5MHz             | 5                  | 1          | 12           | Pass        |
|                                   |            | CH20450 / 829MHz               | 10                 | 1          | 25           | Pass        |
| LTE Band 5<br>(Middle<br>Channel) | QPSK       | CH20525 / 836.5MHz             | 1.4                | 1          | 2            | Pass        |
|                                   |            |                                | 3                  | 1          | 7            | Pass        |
|                                   |            |                                | 5                  | 1          | 12           | Pass        |
|                                   |            |                                | 10                 | 1          | 25           | Pass        |
|                                   | 16QAM      |                                | 1.4                | 1          | 2            | Pass        |
|                                   |            |                                | 3                  | 1          | 7            | Pass        |
|                                   |            |                                | 5                  | 1          | 12           | Pass        |
|                                   |            |                                | 10                 | 1          | 25           | Pass        |
| LTE Band 5<br>(High<br>Channel)   | QPSK       | CH20643 / 848.3MHz             | 1.4                | 1          | 2            | Pass        |
|                                   |            | CH20635 / 847.5MHz             | 3                  | 1          | 7            | Pass        |
|                                   |            | CH20625 / 846.5MHz             | 5                  | 1          | 12           | Pass        |
|                                   |            | CH20600 / 844MHz               | 10                 | 1          | 25           | Pass        |
|                                   | 16QAM      | CH20643 / 848.3MHz             | 1.4                | 1          | 2            | Pass        |
|                                   |            | CH20635 / 847.5MHz             | 3                  | 1          | 7            | Pass        |
|                                   |            | CH20625 / 846.5MHz             | 5                  | 1          | 12           | Pass        |
|                                   |            | CH20600 / 844MHz               | 10                 | 1          | 25           | Pass        |

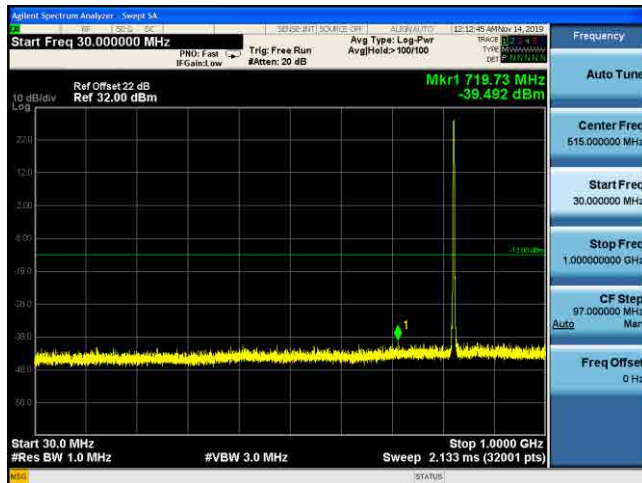
### LTE Band 5 QPSK 1.4MHz CH20407 1RB#2\_30MHz-1GHz



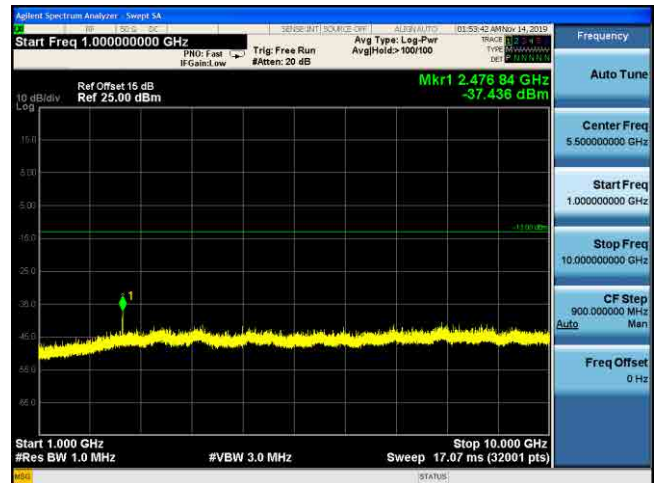
### LTE Band 5 QPSK 1.4MHz CH20407 1RB#2\_1GHz-10GHz



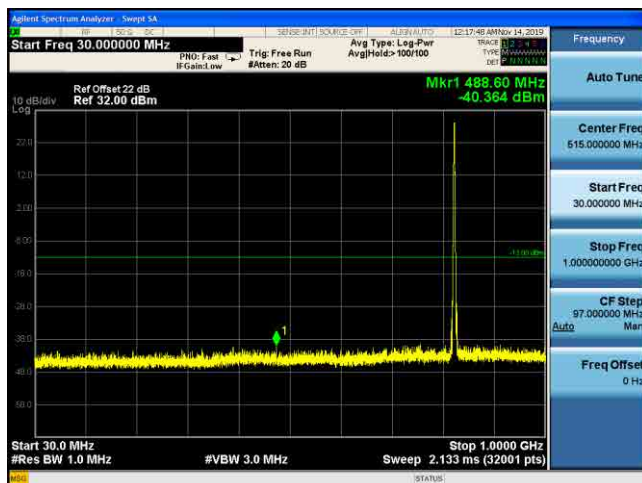
### LTE Band 5 QPSK 3MHz CH20415 1RB#7\_30MHz-1GHz



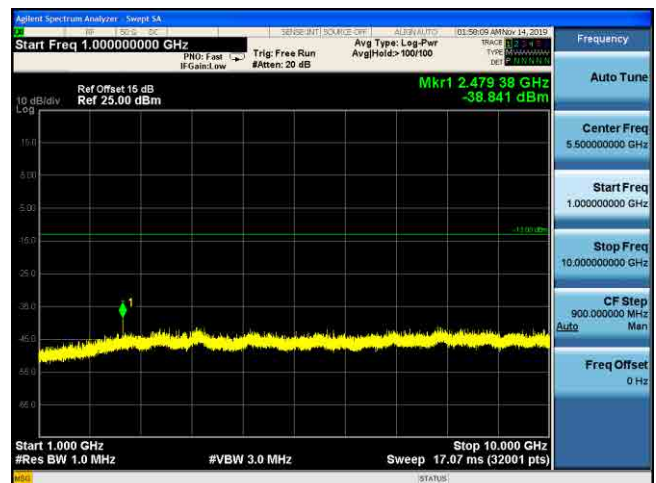
### LTE Band 5 QPSK 3MHz CH20415 1RB#7\_1GHz-10GHz



### LTE Band 5 QPSK 5MHz CH20425 1RB#12\_30MHz-1GHz

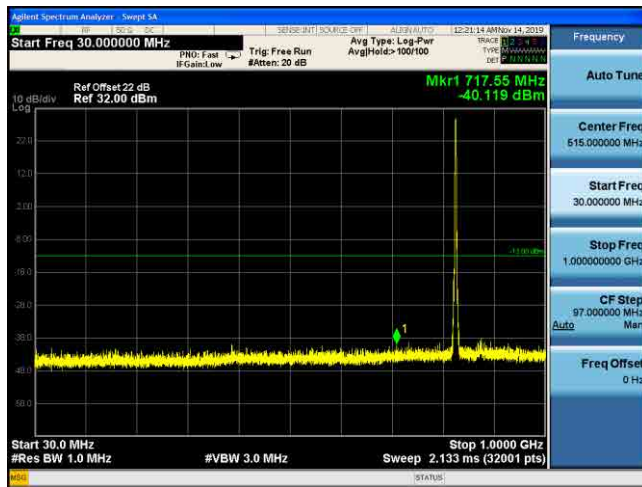


### LTE Band 5 QPSK 5MHz CH20425 1RB#12\_1GHz-10GHz

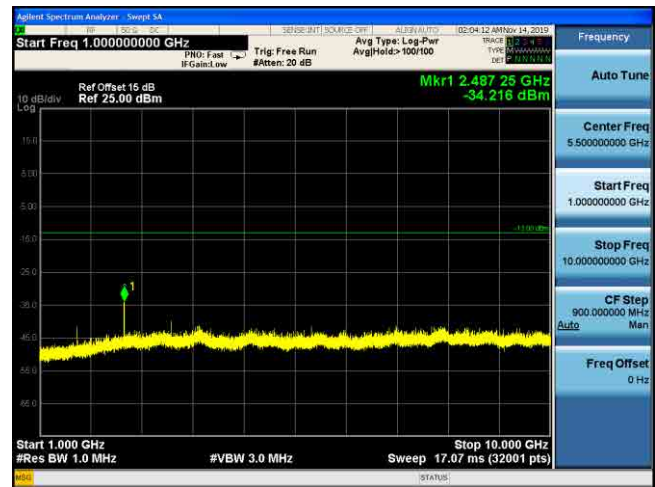




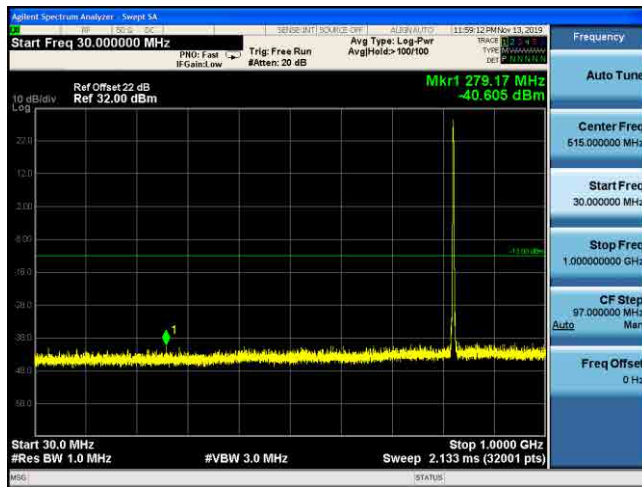
## LTE Band 5 QPSK 10MHz CH20450 1RB#25\_30MHz-1GHz



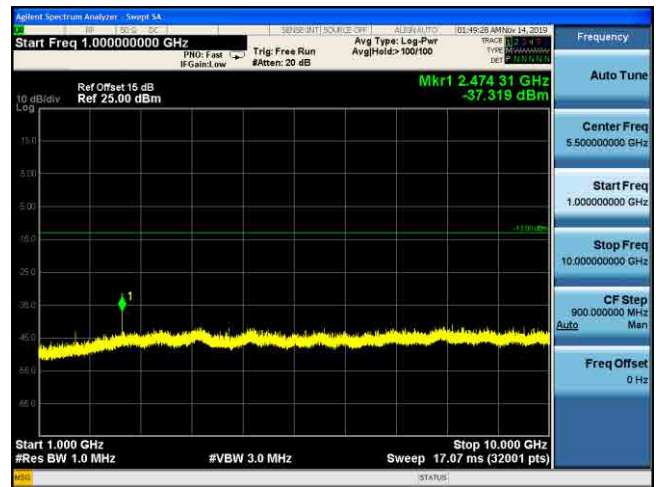
## LTE Band 5 QPSK 10MHz CH20450 1RB#25\_1GHz-10GHz



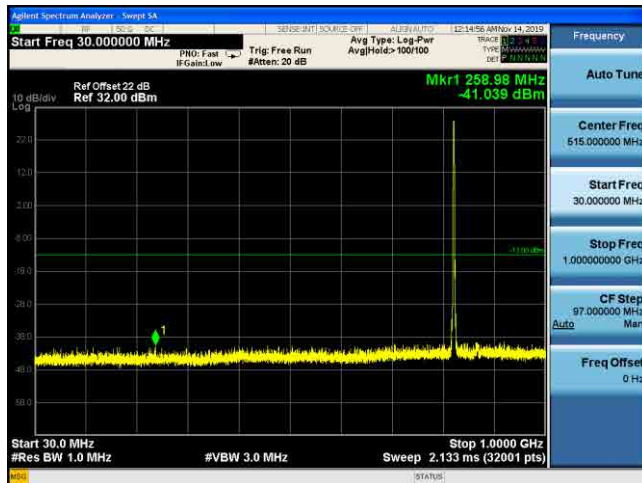
### LTE Band 5 16QAM 1.4MHz CH20407 1RB#2\_30MHz-1GHz



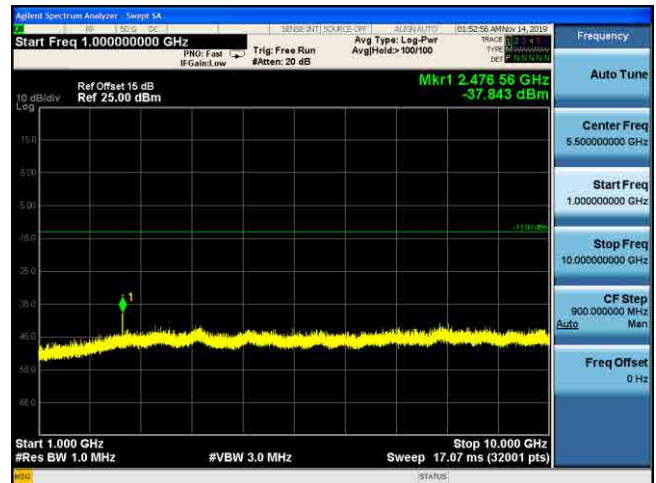
### LTE Band 5 16QAM 1.4MHz CH20407 1RB#2\_1GHz-10GHz



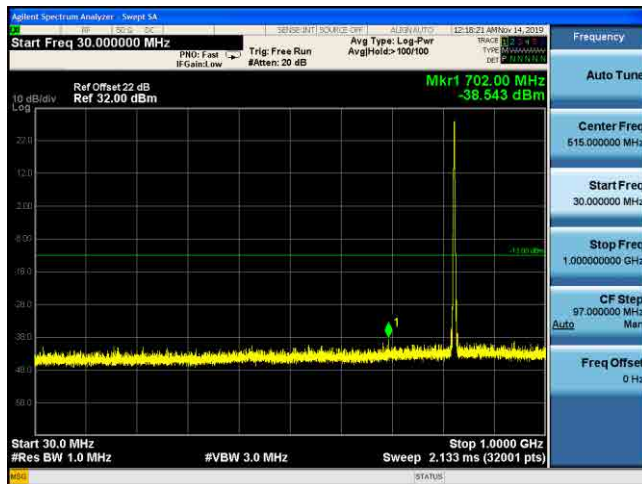
### LTE Band 5 16QAM 3MHz CH20415 1RB#7\_30MHz-1GHz



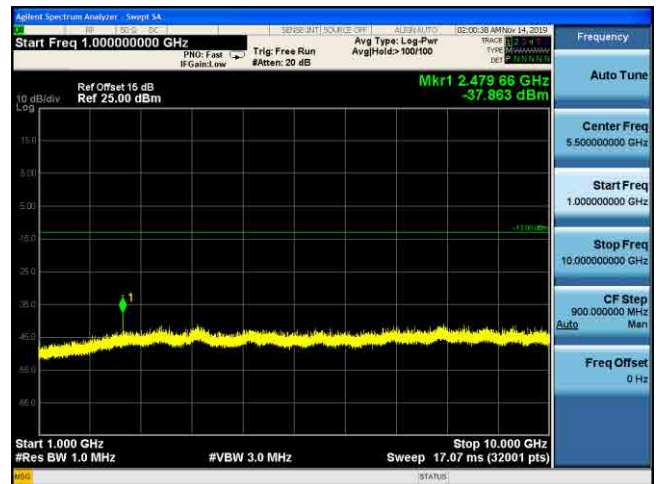
### LTE Band 5 16QAM 3MHz CH20415 1RB#7\_1GHz-10GHz



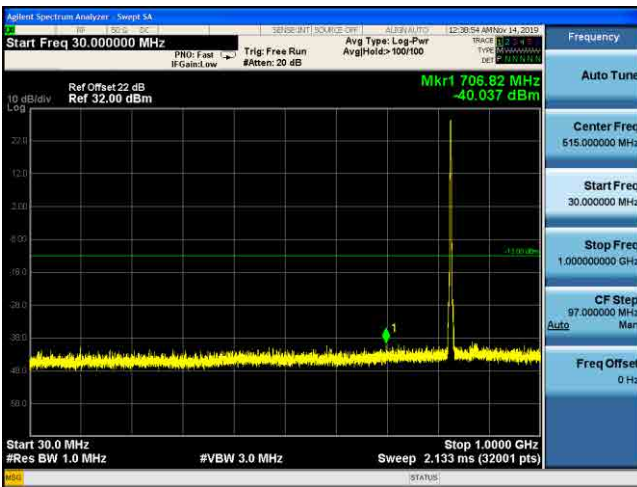
### LTE Band 5 16QAM 5MHz CH20425 1RB#12\_30MHz-1GHz



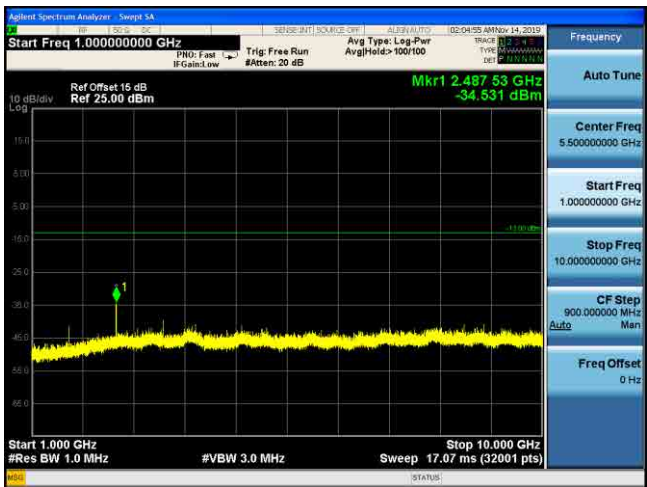
### LTE Band 5 16QAM 5MHz CH20425 1RB#12\_1GHz-10GHz



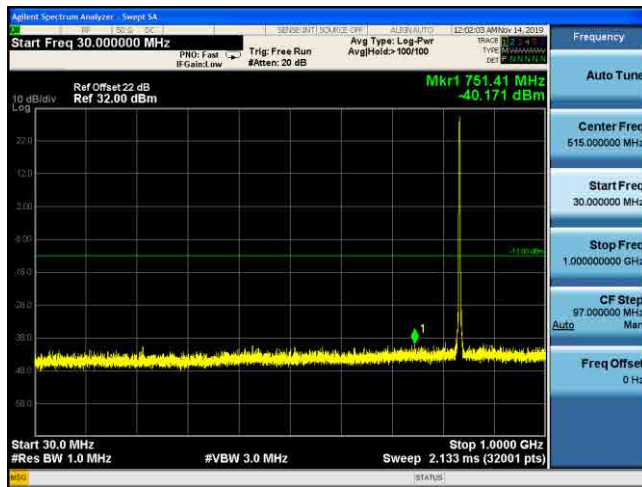
### LTE Band 5 16QAM 10MHz CH20450 1RB#25\_30MHz-1GHz



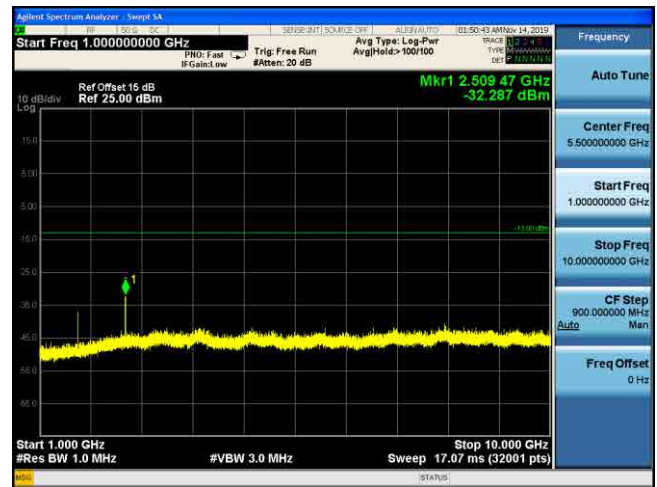
### LTE Band 5 16QAM 10MHz CH20450 1RB#25\_1GHz-10GHz



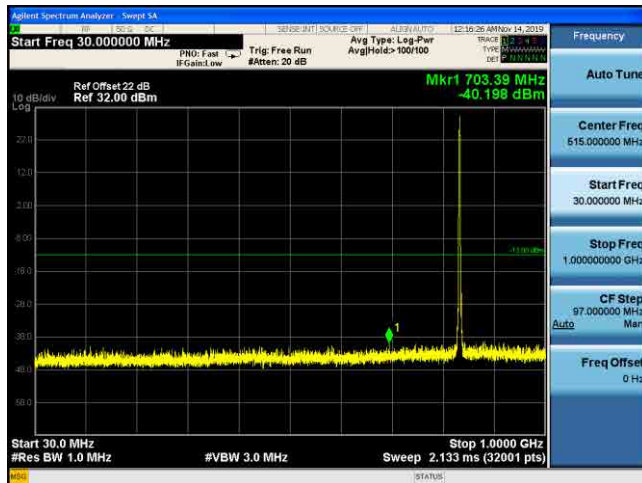
### LTE Band 5 QPSK 1.4MHz CH20525 1RB#2\_30MHz-1GHz



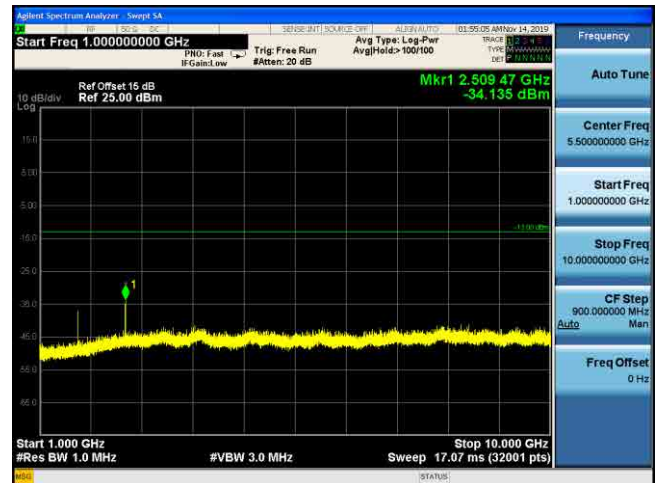
### LTE Band 5 QPSK 1.4MHz CH20525 1RB#2\_1GHz-10GHz



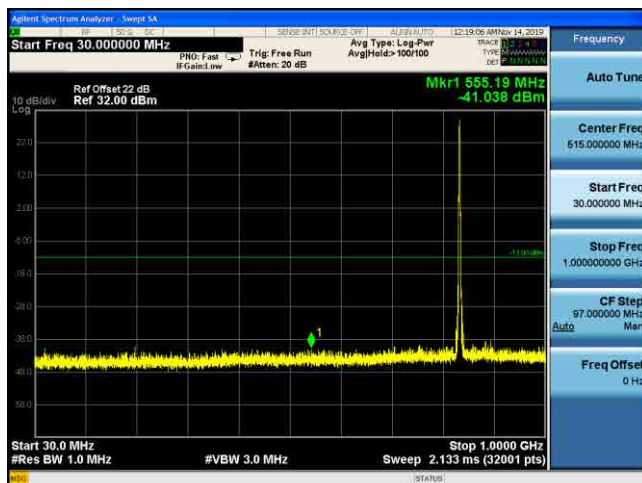
### LTE Band 5 QPSK 3MHz CH20525 1RB#7\_30MHz-1GHz



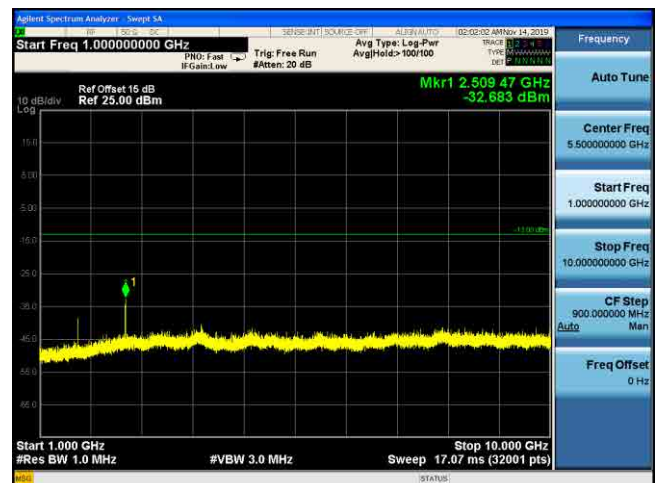
### LTE Band 5 QPSK 3MHz CH20525 1RB#7\_1GHz-10GHz



### LTE Band 5 QPSK 5MHz CH20525 1RB#12\_30MHz-1GHz

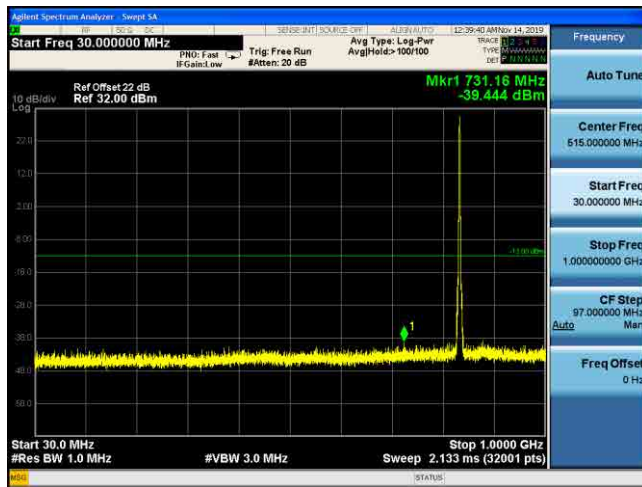


### LTE Band 5 QPSK 5MHz CH20525 1RB#12\_1GHz-10GHz

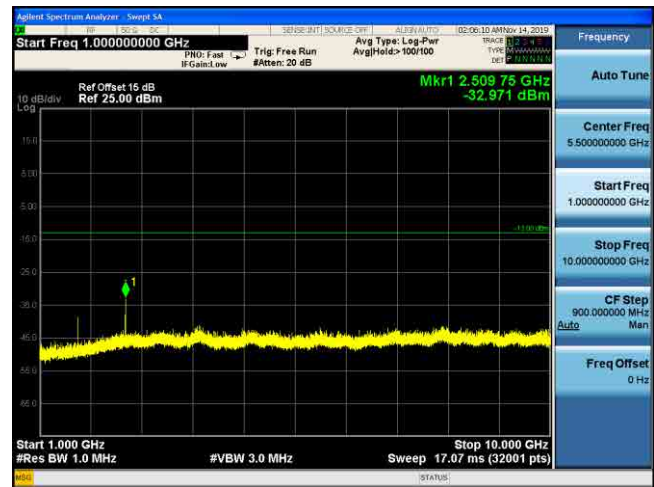




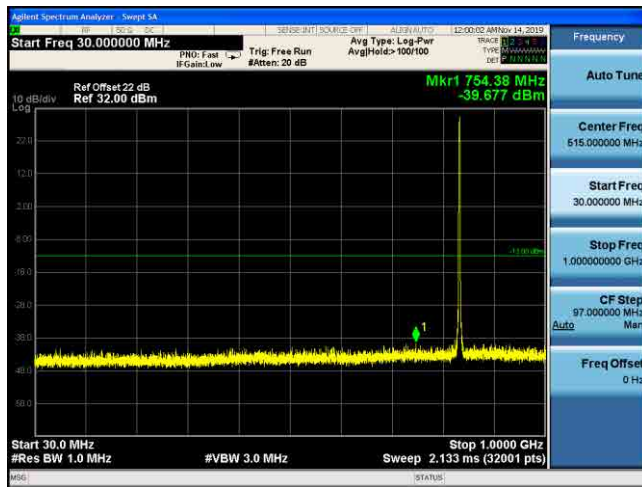
## LTE Band 5 QPSK 10MHz CH20525 1RB#25\_30MHz-1GHz



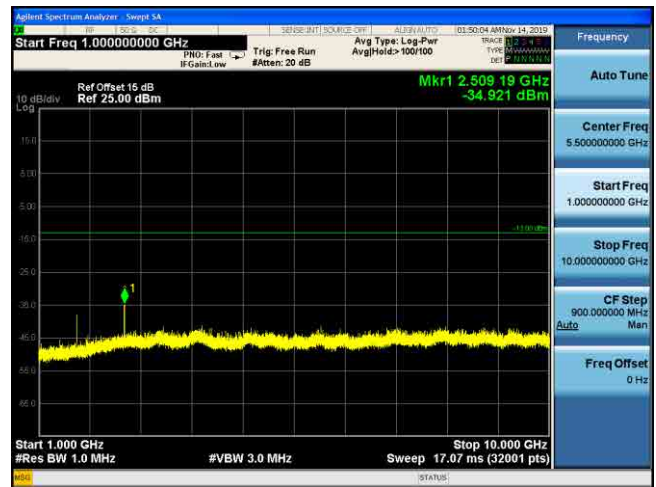
## LTE Band 5 QPSK 10MHz CH20525 1RB#25\_1GHz-10GHz



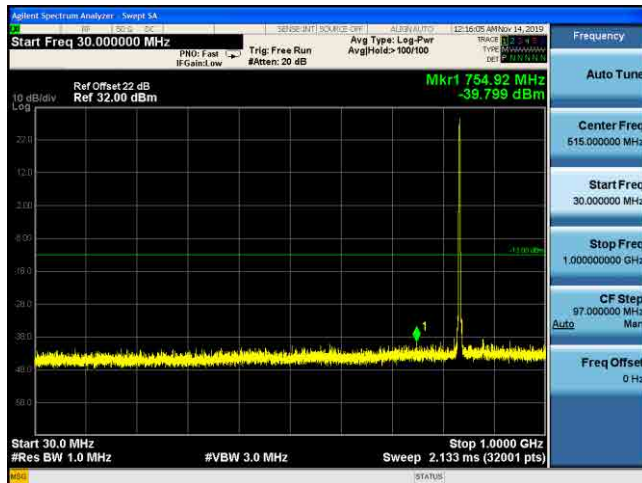
### LTE Band 5 16QAM 1.4MHz CH20525 1RB#2\_30MHz-1GHz



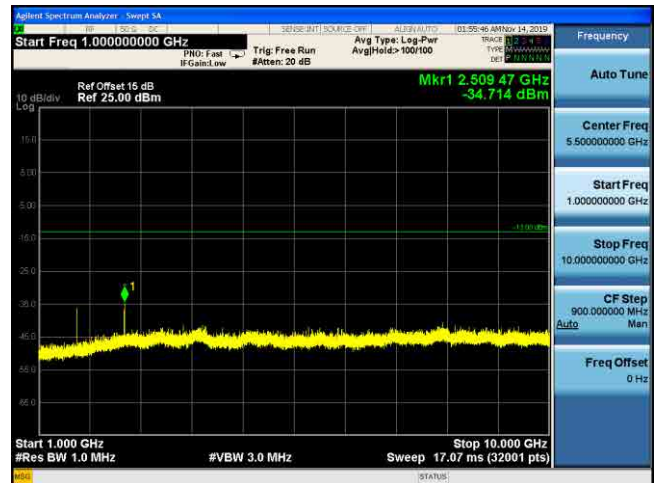
### LTE Band 5 16QAM 1.4MHz CH20525 1RB#2\_1GHz-10GHz



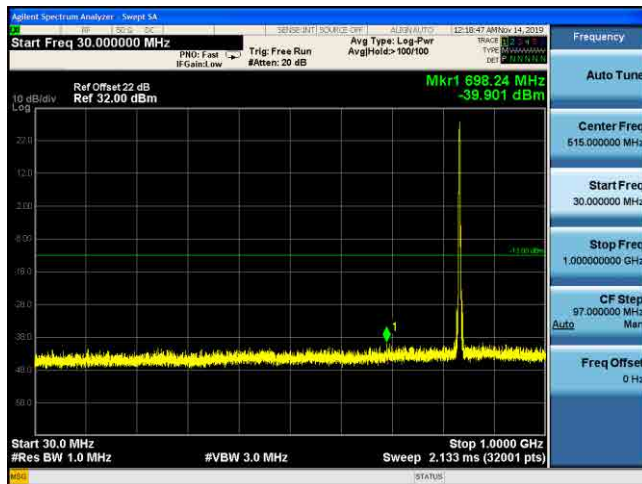
### LTE Band 5 16QAM 3MHz CH20525 1RB#7\_30MHz-1GHz



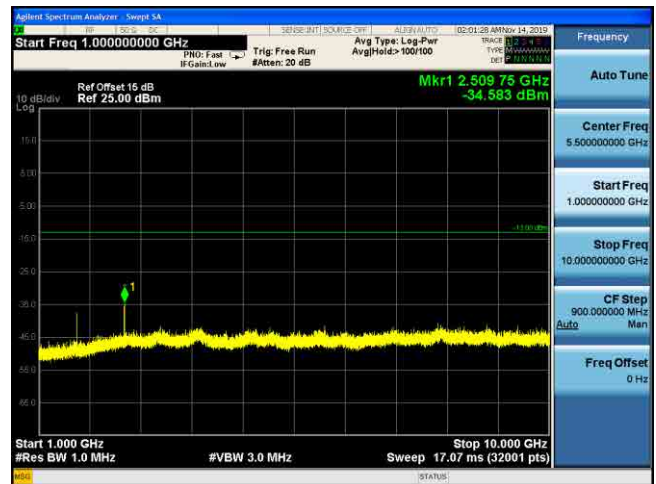
### LTE Band 5 16QAM 3MHz CH20525 1RB#7\_1GHz-10GHz



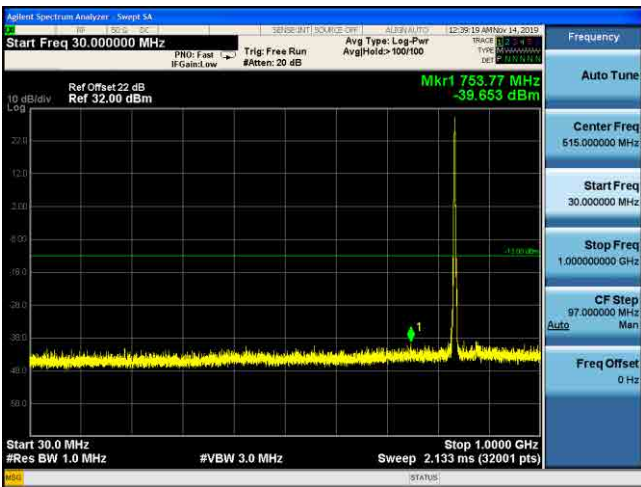
### LTE Band 5 16QAM 5MHz CH20525 1RB#12\_30MHz-1GHz



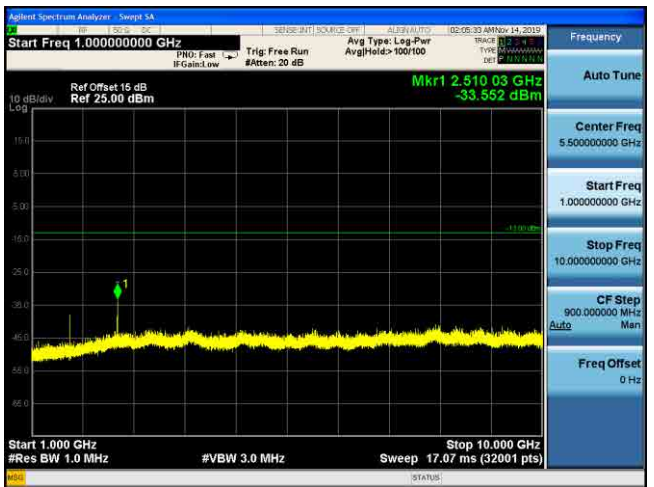
### LTE Band 5 16QAM 5MHz CH20525 1RB#12\_1GHz-10GHz



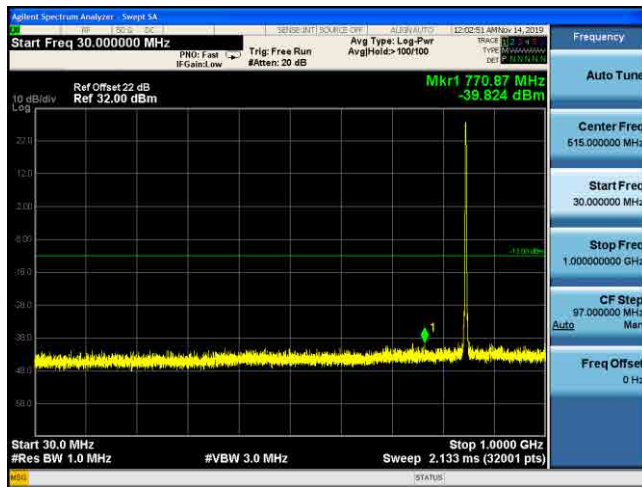
## LTE Band 5 16QAM 10MHz CH20525 1RB#25\_30MHz-1GHz



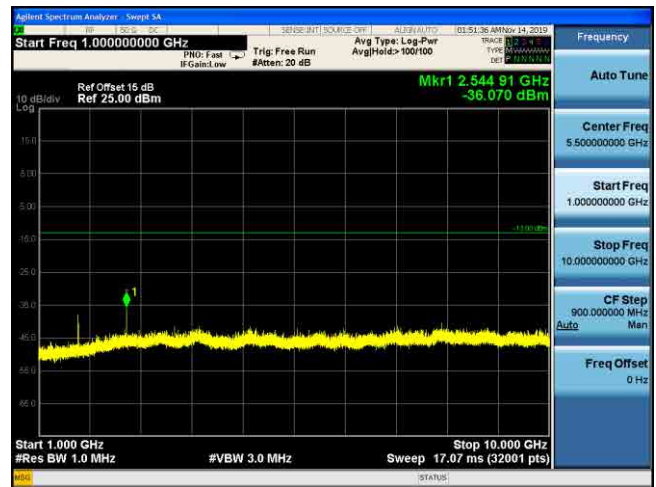
## LTE Band 5 16QAM 10MHz CH20525 1RB#25\_1GHz-10GHz



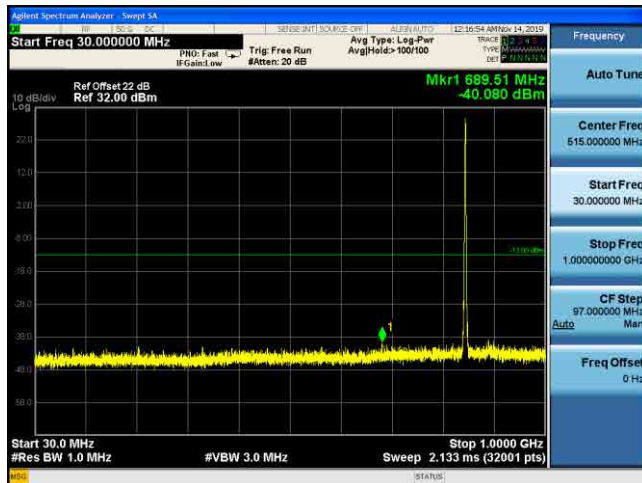
### LTE Band 5 QPSK 1.4MHz CH20643 1RB#2\_30MHz-1GHz



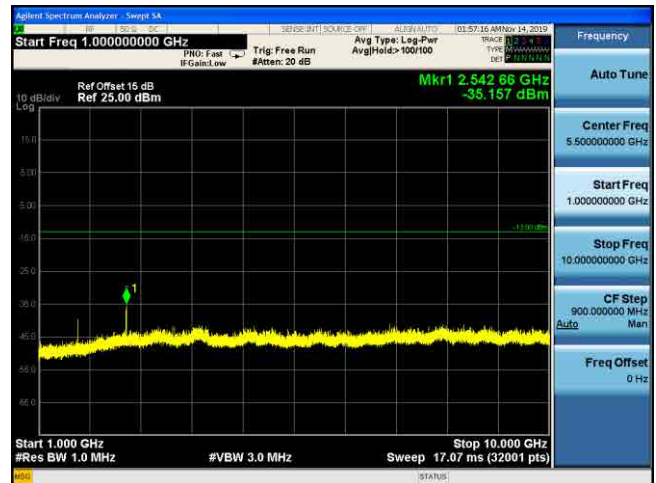
### LTE Band 5 QPSK 1.4MHz CH20643 1RB#2\_1GHz-10GHz



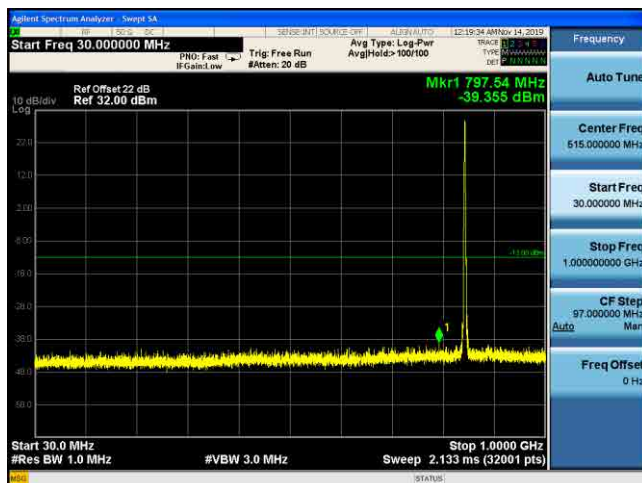
### LTE Band 5 QPSK 3MHz CH20635 1RB#7\_30MHz-1GHz



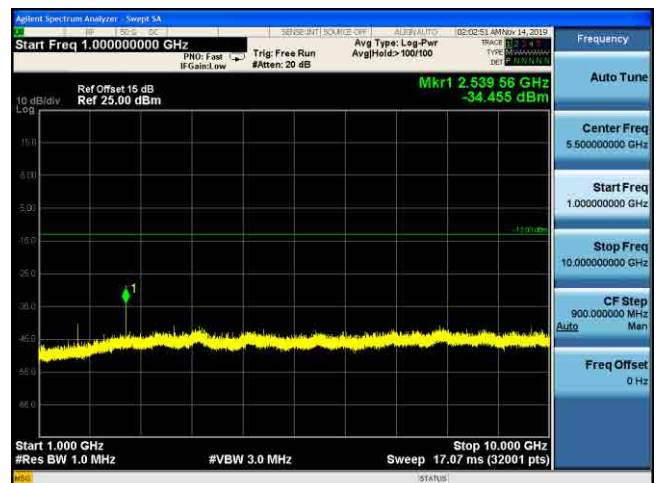
### LTE Band 5 QPSK 3MHz CH20635 1RB#7\_1GHz-10GHz



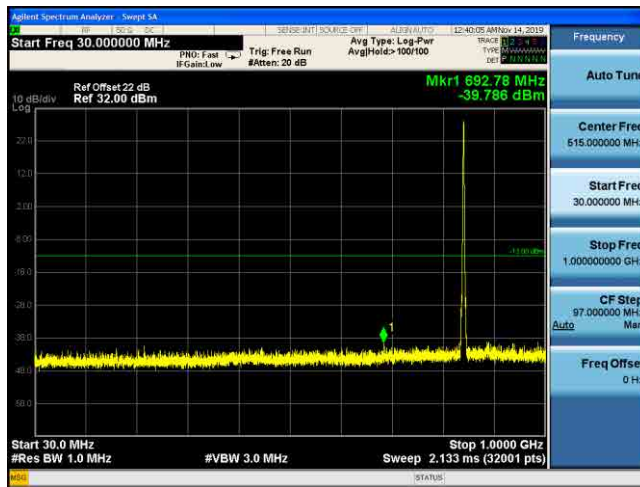
### LTE Band 5 QPSK 5MHz CH20625 1RB#12\_30MHz-1GHz



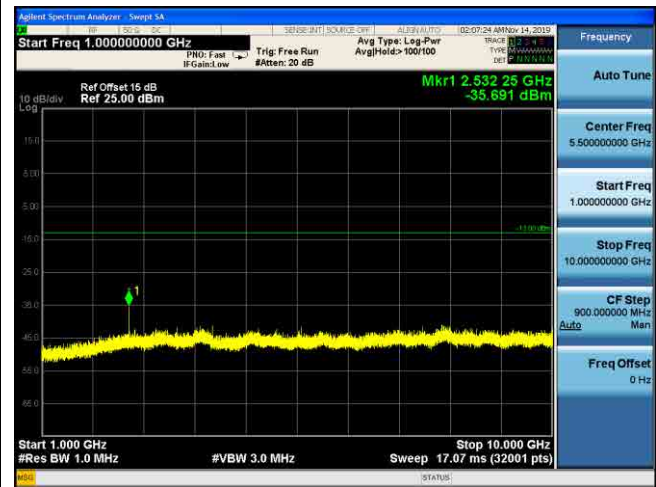
### LTE Band 5 QPSK 5MHz CH20625 1RB#12\_1GHz-10GHz



## LTE Band 5 QPSK 10MHz CH20600 1RB#25\_30MHz-1GHz

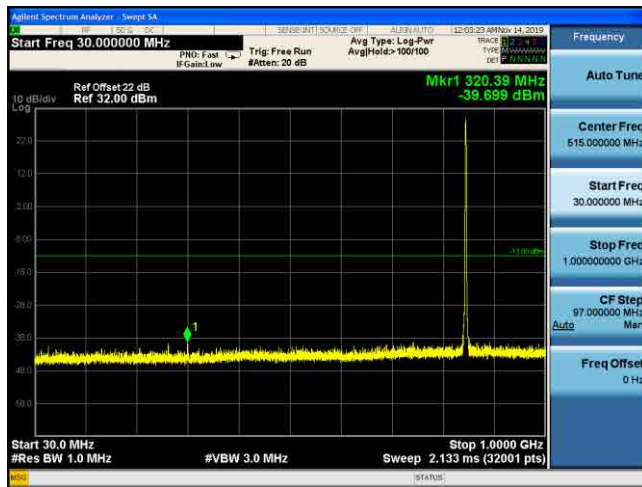


## LTE Band 5 QPSK 10MHz CH20600 1RB#25\_1GHz-10GHz

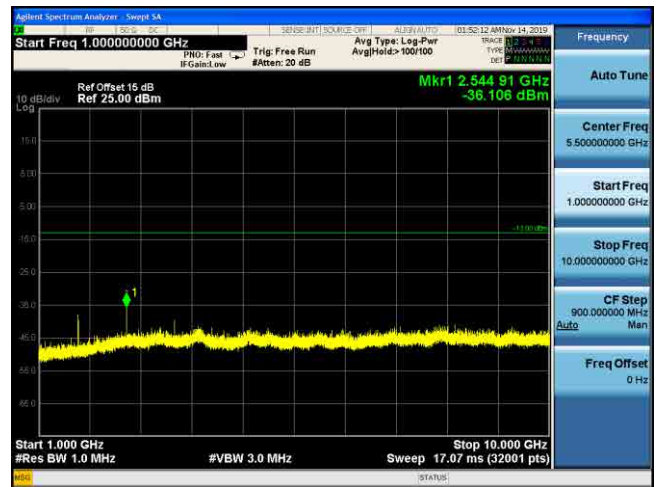




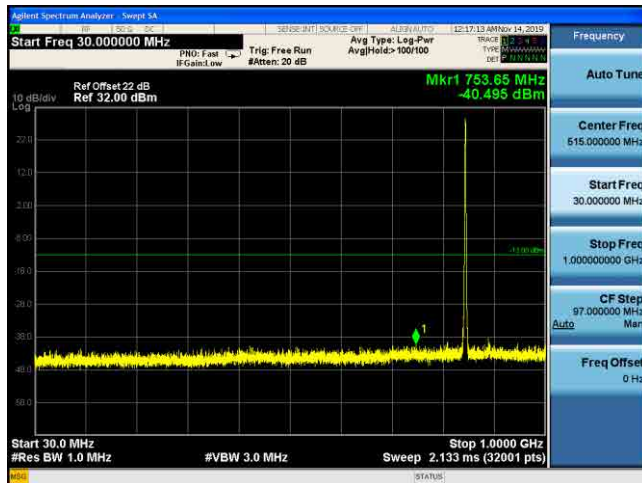
## LTE Band 5 16QAM 1.4MHz CH20643 1RB#2\_30MHz-1GHz



## LTE Band 5 16QAM 1.4MHz CH20643 1RB#2\_1GHz-10GHz



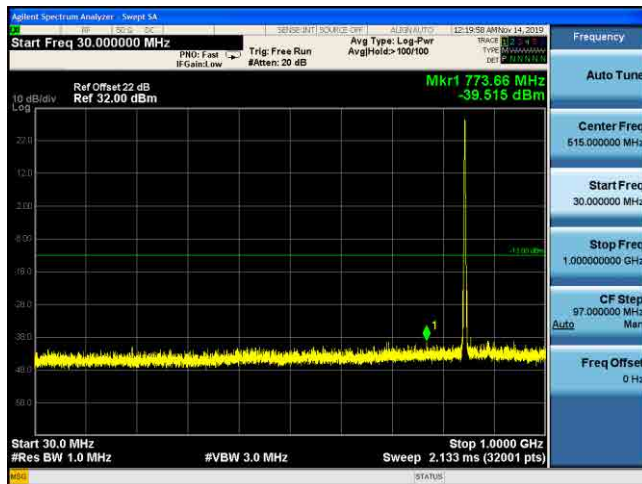
## LTE Band 5 16QAM 3MHz CH20635 1RB#7\_30MHz-1GHz



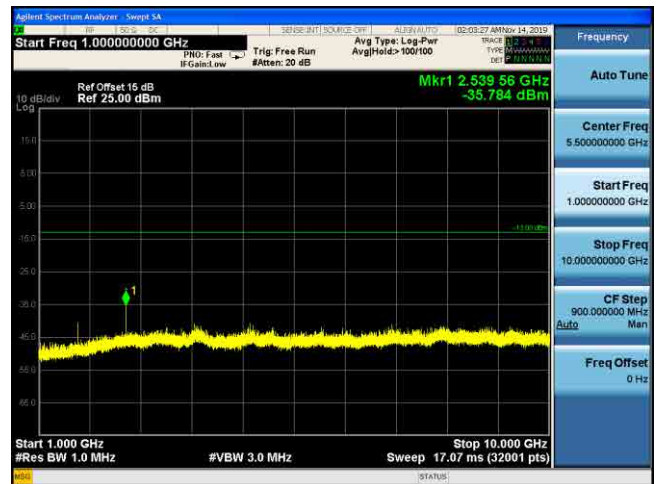
## LTE Band 5 16QAM 3MHz CH20635 1RB#7\_1GHz-10GHz



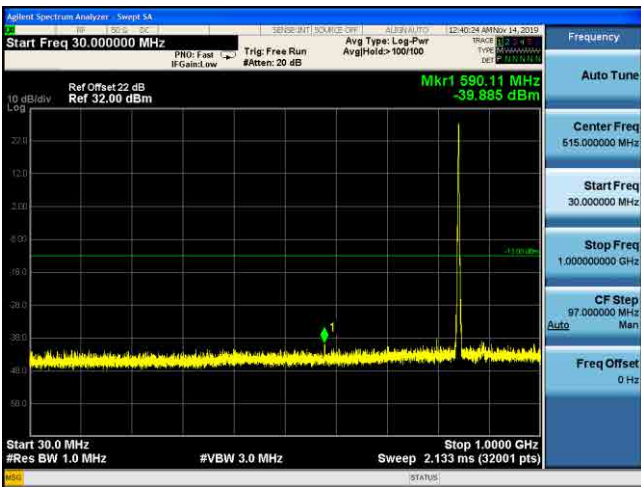
## LTE Band 5 16QAM 5MHz CH20625 1RB#12\_30MHz-1GHz



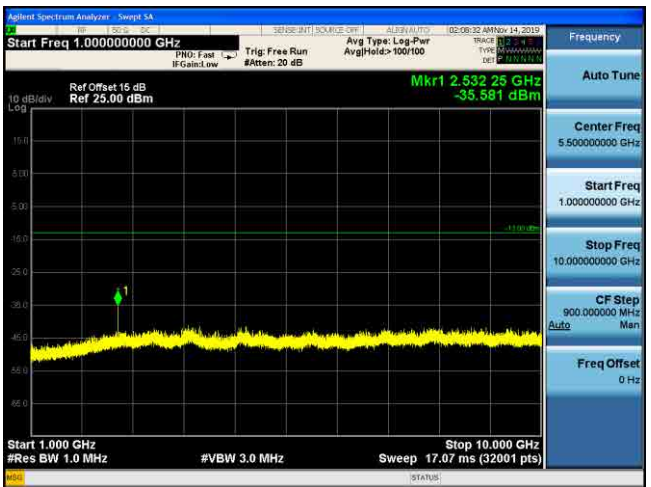
## LTE Band 5 16QAM 5MHz CH20625 1RB#12\_1GHz-10GHz



### LTE Band 5 16QAM 10MHz CH20600 1RB#25\_30MHz-1GHz

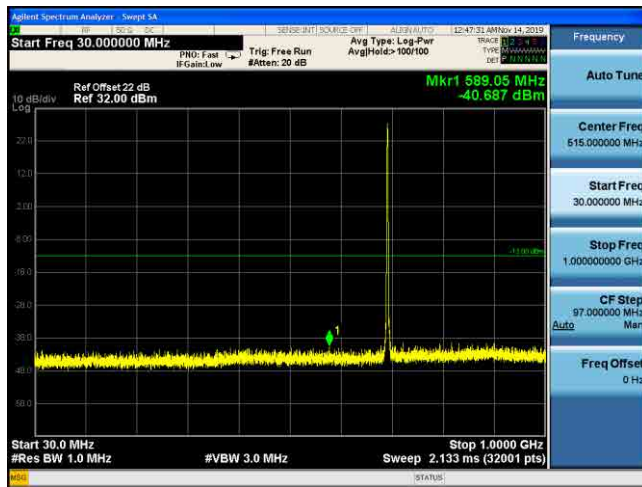


### LTE Band 5 16QAM 10MHz CH20600 1RB#25\_1GHz-10GHz

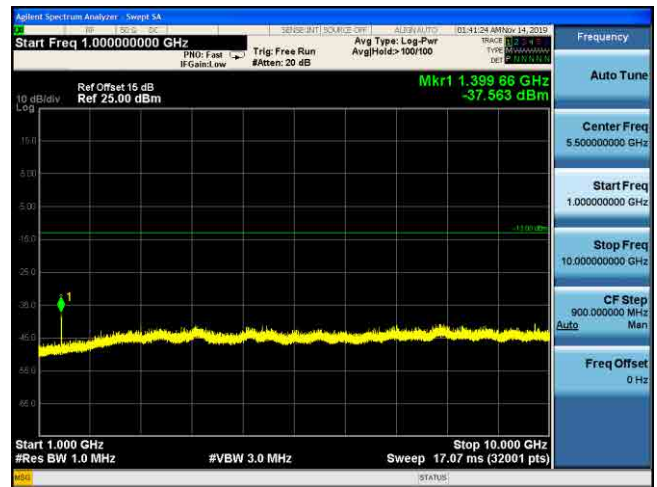


| Test Mode                          | Modulation | Channel/<br>Frequency<br>(MHz) | Bandwidth<br>(MHz) | RB<br>Size | RB<br>Offset | Test Result |
|------------------------------------|------------|--------------------------------|--------------------|------------|--------------|-------------|
| LTE Band 12<br>(Low Channel)       | QPSK       | CH23017 / 699.7MHz             | 1.4                | 1          | 2            | Pass        |
|                                    |            | CH23025 / 700.5MHz             | 3                  | 1          | 7            | Pass        |
|                                    |            | CH23035 / 701.5MHz             | 5                  | 1          | 12           | Pass        |
|                                    |            | CH23060 / 704MHz               | 10                 | 1          | 25           | Pass        |
|                                    | 16QAM      | CH23017 / 699.7MHz             | 1.4                | 1          | 2            | Pass        |
|                                    |            | CH23025 / 700.5MHz             | 3                  | 1          | 7            | Pass        |
|                                    |            | CH23035 / 701.5MHz             | 5                  | 1          | 12           | Pass        |
|                                    |            | CH23060 / 704MHz               | 10                 | 1          | 25           | Pass        |
| LTE Band 12<br>(Middle<br>Channel) | QPSK       | CH23095 / 707.5MHz             | 1.4                | 1          | 2            | Pass        |
|                                    |            |                                | 3                  | 1          | 7            | Pass        |
|                                    |            |                                | 5                  | 1          | 12           | Pass        |
|                                    |            |                                | 10                 | 1          | 25           | Pass        |
|                                    | 16QAM      |                                | 1.4                | 1          | 2            | Pass        |
|                                    |            |                                | 3                  | 1          | 7            | Pass        |
|                                    |            |                                | 5                  | 1          | 12           | Pass        |
|                                    |            |                                | 10                 | 1          | 25           | Pass        |
| LTE Band 12<br>(High<br>Channel)   | QPSK       | CH23173 / 715.3MHz             | 1.4                | 1          | 2            | Pass        |
|                                    |            | CH23165 / 714.5MHz             | 3                  | 1          | 7            | Pass        |
|                                    |            | CH23155 / 713.5MHz             | 5                  | 1          | 12           | Pass        |
|                                    |            | CH23130 / 711MHz               | 10                 | 1          | 25           | Pass        |
|                                    | 16QAM      | CH23173 / 715.3MHz             | 1.4                | 1          | 2            | Pass        |
|                                    |            | CH23165 / 714.5MHz             | 3                  | 1          | 7            | Pass        |
|                                    |            | CH23155 / 713.5MHz             | 5                  | 1          | 12           | Pass        |
|                                    |            | CH23130 / 711MHz               | 10                 | 1          | 25           | Pass        |

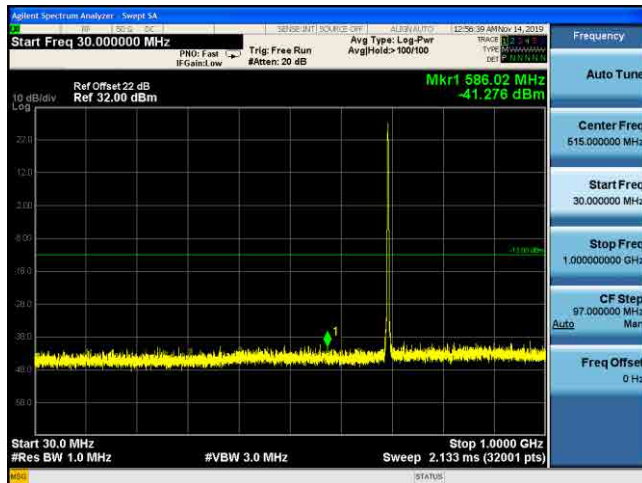
### LTE Band 12 QPSK 1.4MHz CH23017 1RB#2\_30MHz-1GHz



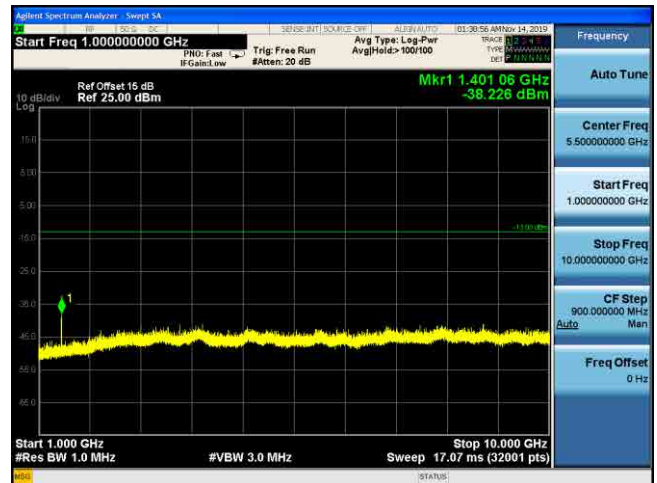
### LTE Band 12 QPSK 1.4MHz CH23017 1RB#2\_1GHz-10GHz



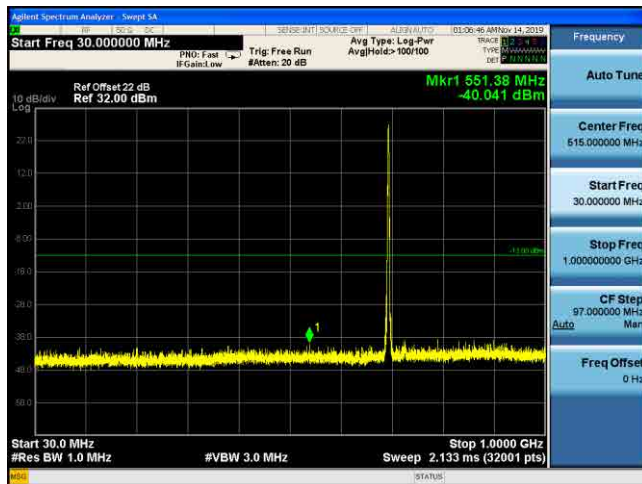
### LTE Band 12 QPSK 3MHz CH23025 1RB#7\_30MHz-1GHz



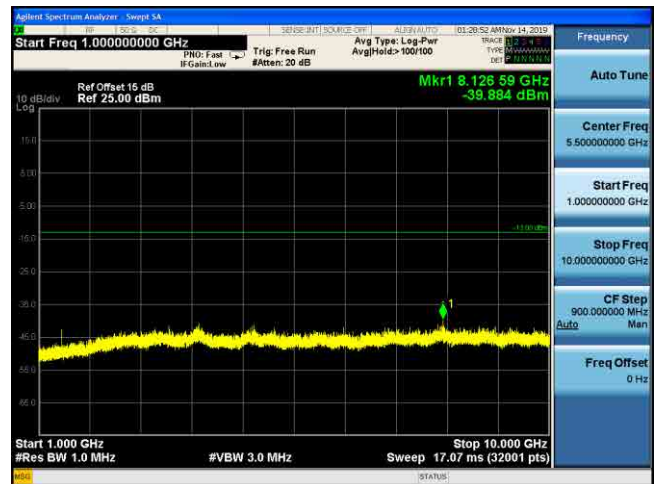
### LTE Band 12 QPSK 3MHz CH23025 1RB#7\_1GHz-10GHz



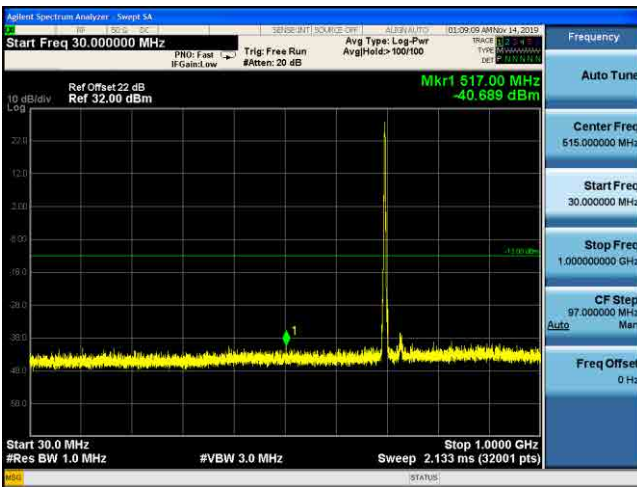
### LTE Band 12 QPSK 5MHz CH23035 1RB#12\_30MHz-1GHz



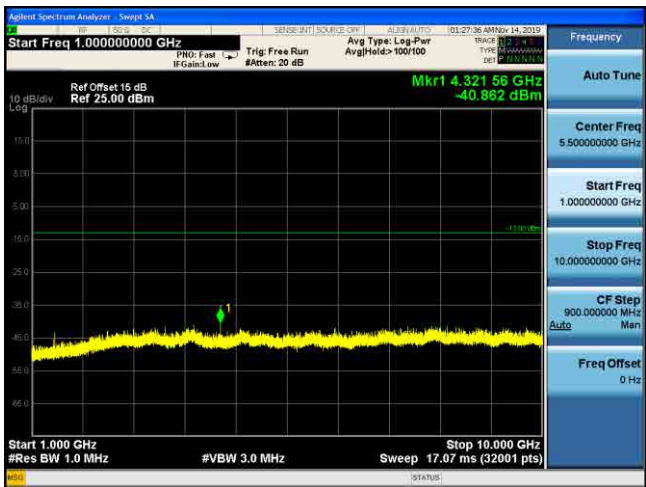
### LTE Band 12 QPSK 5MHz CH23035 1RB#12\_1GHz-10GHz



### LTE Band 12 QPSK 10MHz CH23060 1RB#25\_30MHz-1GHz

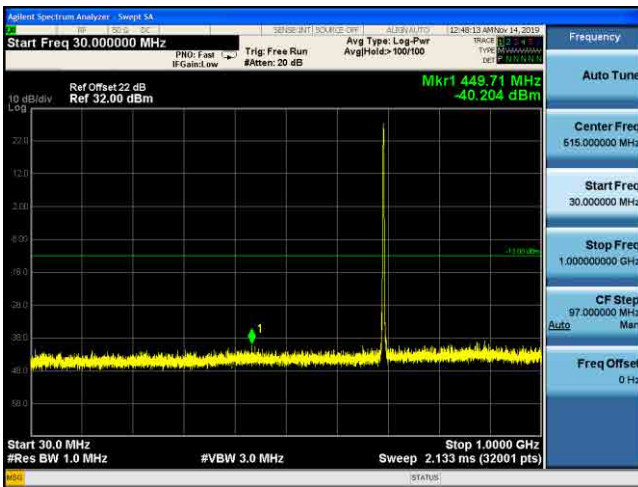


### LTE Band 12 QPSK 10MHz CH23060 1RB#25\_1GHz-10GHz

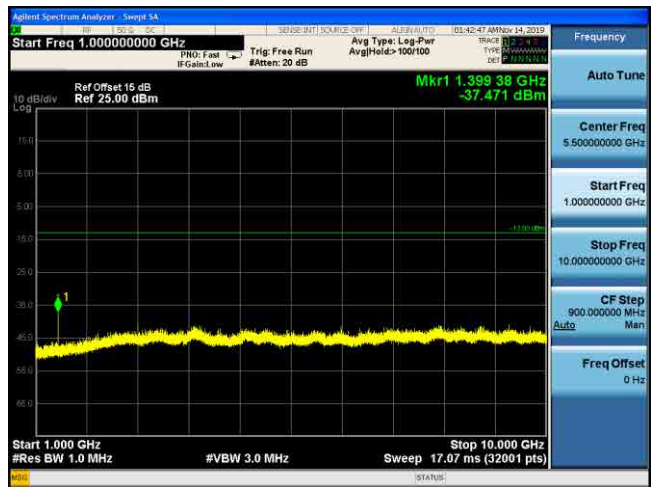




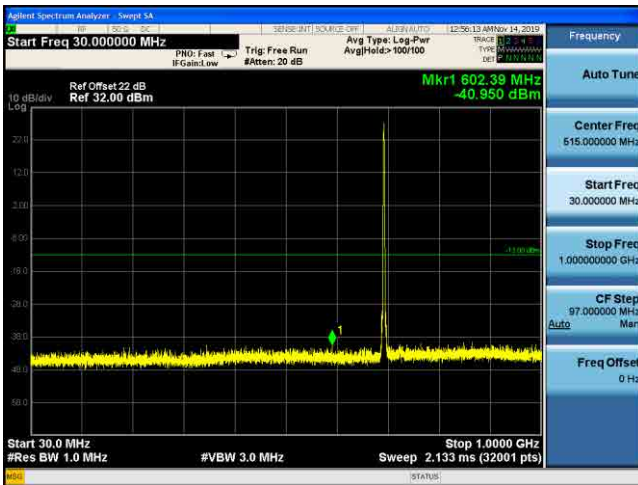
### LTE Band 12 16QAM 1.4MHz CH23017 1RB#2\_30MHz-1GHz



### LTE Band 12 16QAM 1.4MHz CH23017 1RB#2\_1GHz-10GHz



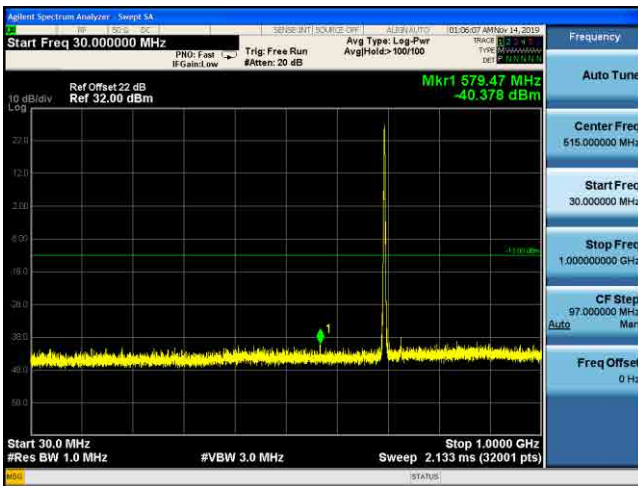
### LTE Band 12 16QAM 3MHz CH23025 1RB#7\_30MHz-1GHz



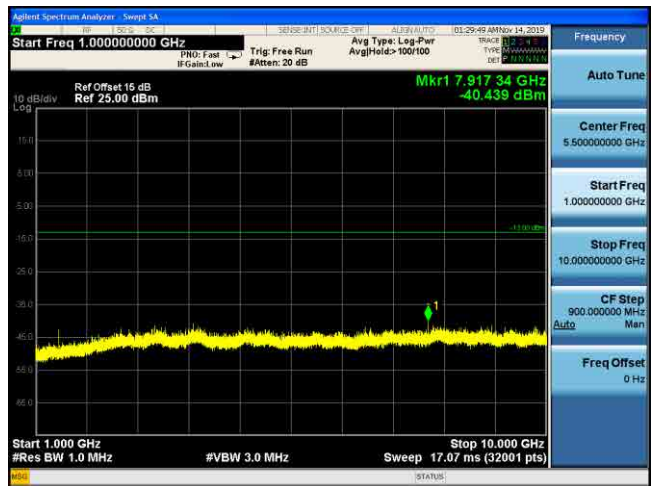
### LTE Band 12 16QAM 3MHz CH23025 1RB#7\_1GHz-10GHz



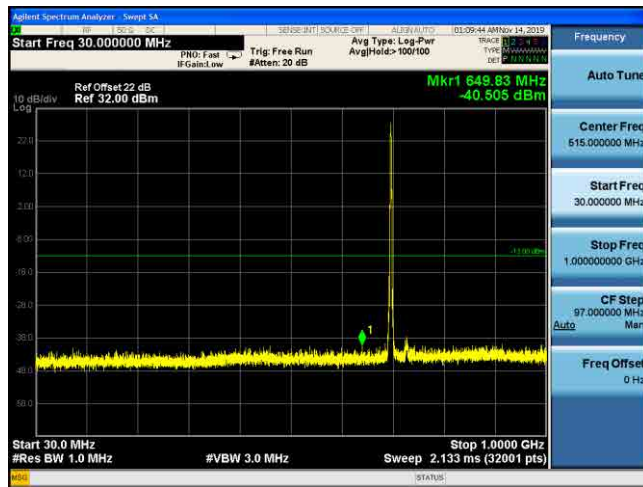
### LTE Band 12 16QAM 5MHz CH23035 1RB#12\_30MHz-1GHz



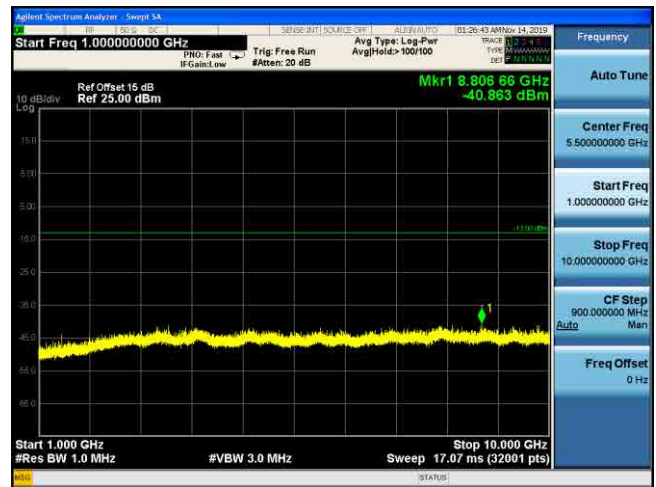
### LTE Band 12 16QAM 5MHz CH23035 1RB#12\_1GHz-10GHz



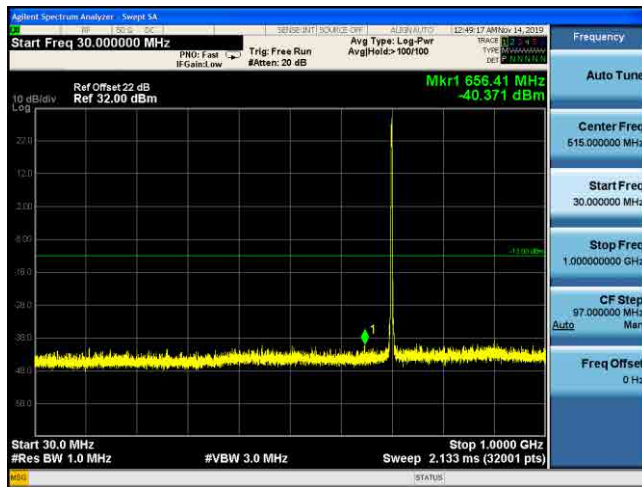
## LTE Band 12 16QAM 10MHz CH23060 1RB#25\_30MHz-1GHz



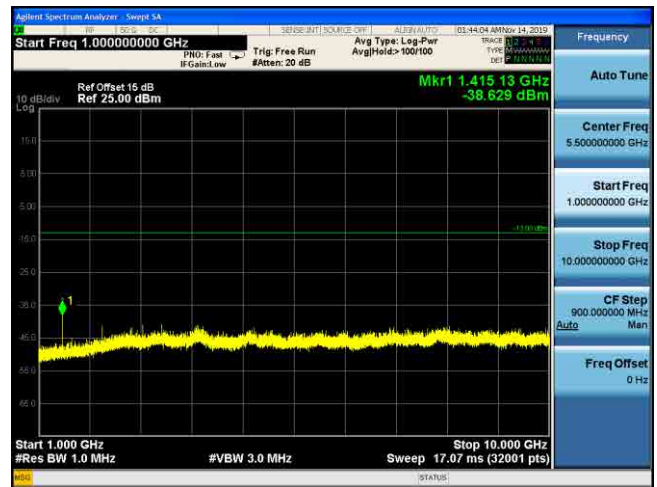
## LTE Band 12 16QAM 10MHz CH23060 1RB#25\_1GHz-10GHz



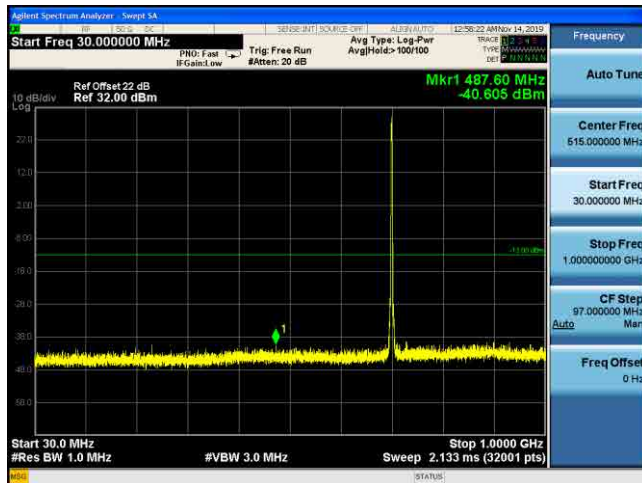
### LTE Band 12 QPSK 1.4MHz CH23095 1RB#2\_30MHz-1GHz



### LTE Band 12 QPSK 1.4MHz CH23095 1RB#2\_1GHz-10GHz



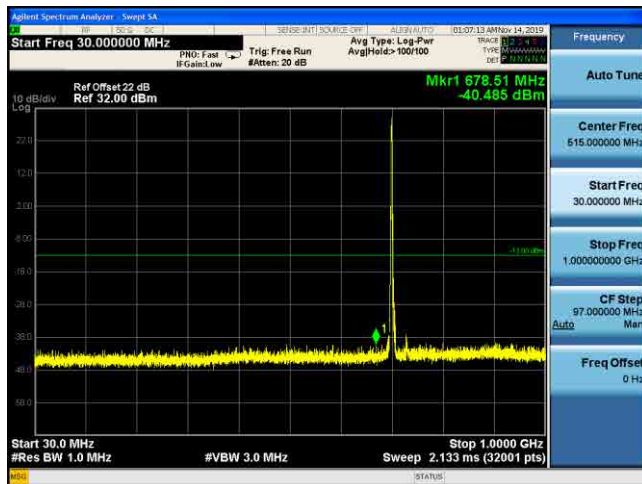
### LTE Band 12 QPSK 3MHz CH23095 1RB#7\_30MHz-1GHz



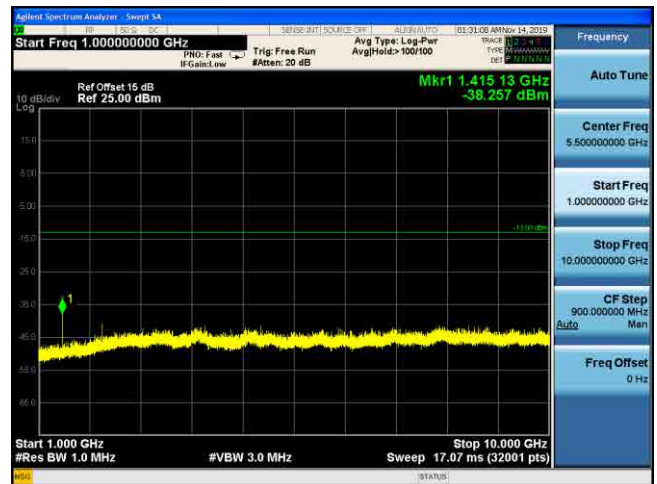
### LTE Band 12 QPSK 3MHz CH23095 1RB#7\_1GHz-10GHz



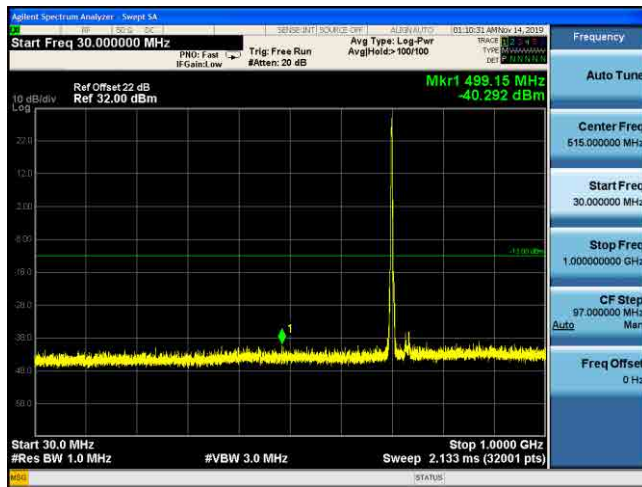
### LTE Band 12 QPSK 5MHz CH23095 1RB#12\_30MHz-1GHz



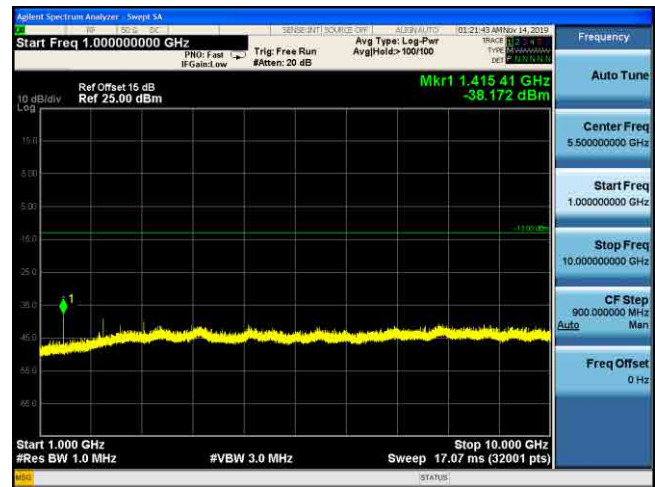
### LTE Band 12 QPSK 5MHz CH23095 1RB#12\_1GHz-10GHz



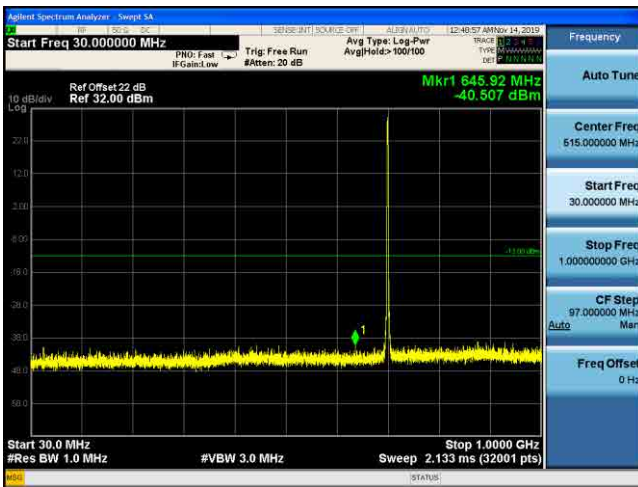
## LTE Band 12 QPSK 10MHz CH23095 1RB#25\_30MHz-1GHz



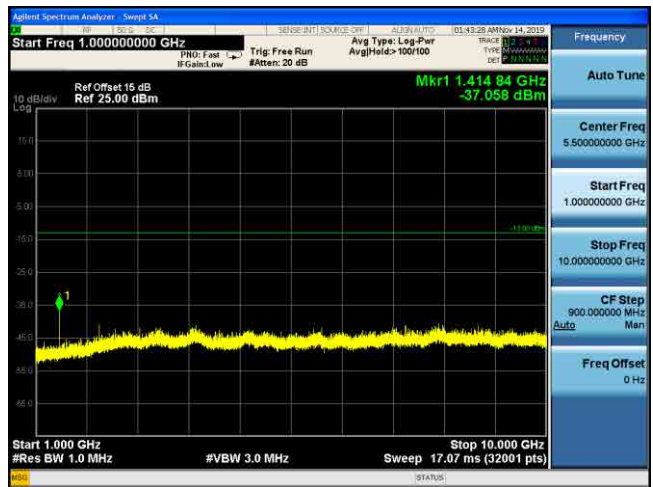
## LTE Band 12 QPSK 10MHz CH23095 1RB#25\_1GHz-10GHz



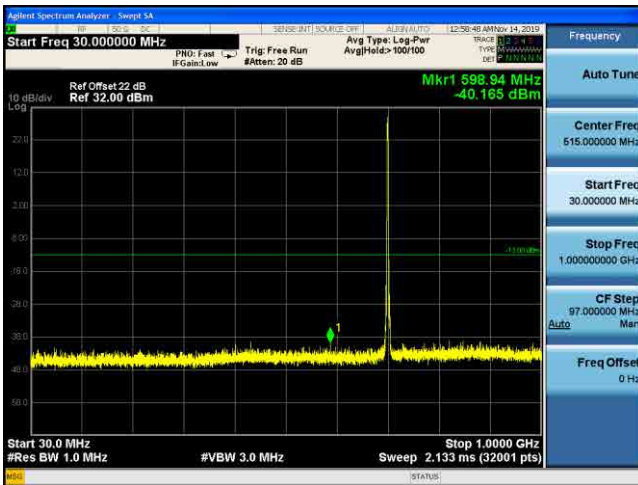
### LTE Band 12 16QAM 1.4MHz CH23095 1RB#2\_30MHz-1GHz



### LTE Band 12 16QAM 1.4MHz CH23095 1RB#2\_1GHz-10GHz



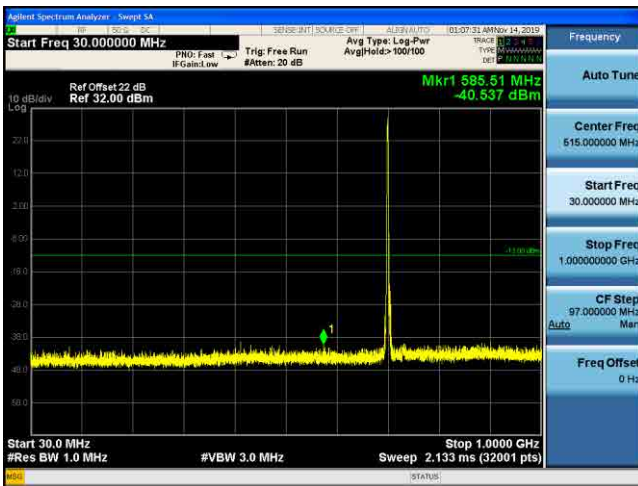
### LTE Band 12 16QAM 3MHz CH23095 1RB#7\_30MHz-1GHz



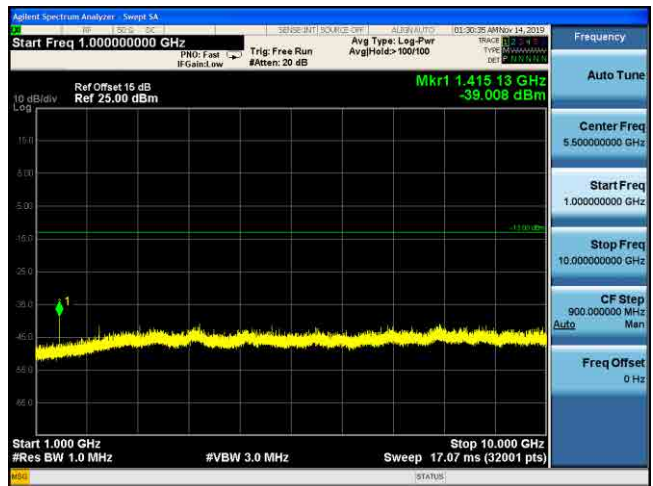
### LTE Band 12 16QAM 3MHz CH23095 1RB#7\_1GHz-10GHz



### LTE Band 12 16QAM 5MHz CH23095 1RB#12\_30MHz-1GHz

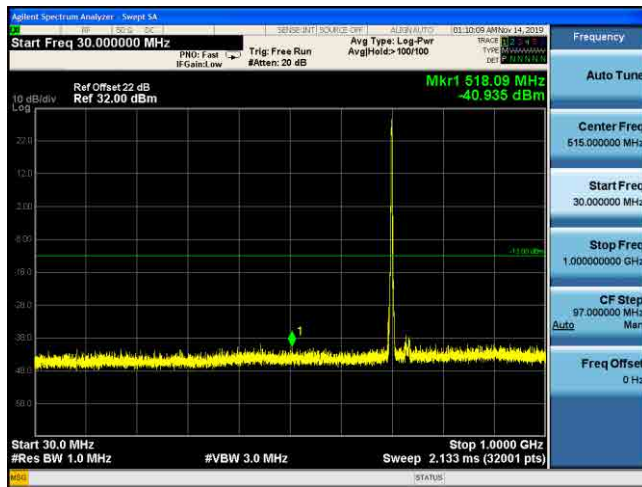


### LTE Band 12 16QAM 5MHz CH23095 1RB#12\_1GHz-10GHz

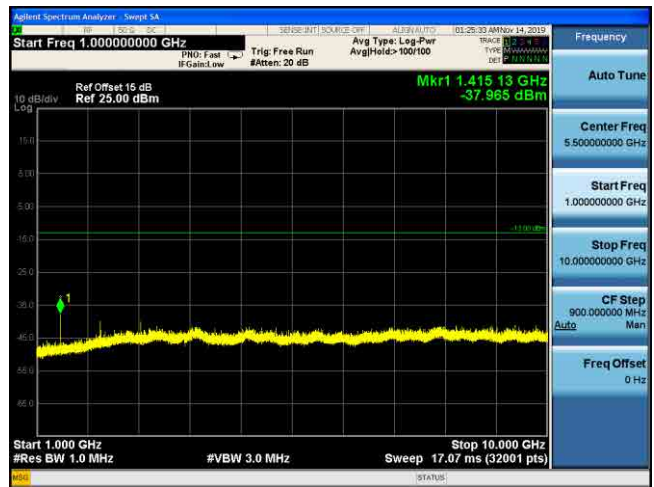




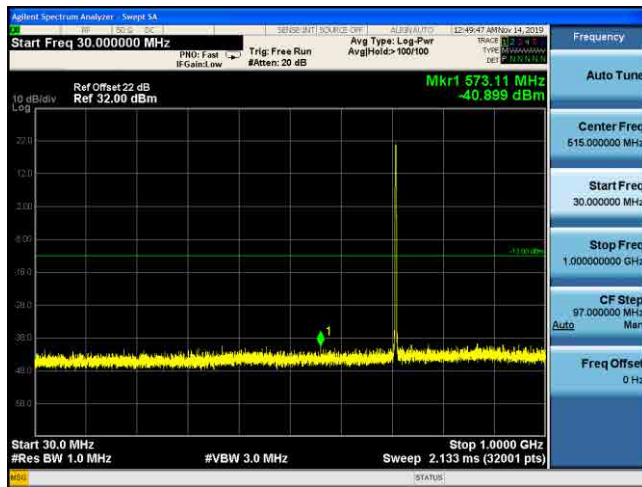
## LTE Band 12 16QAM 10MHz CH23095 1RB#25\_30MHz-1GHz



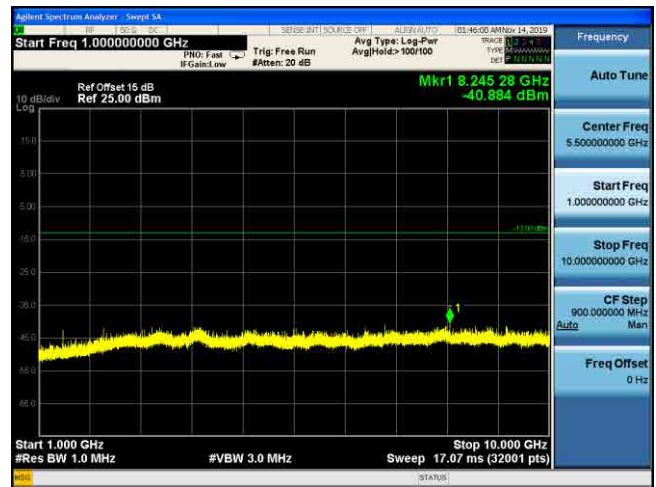
## LTE Band 12 16QAM 10MHz CH23095 1RB#25\_1GHz-10GHz



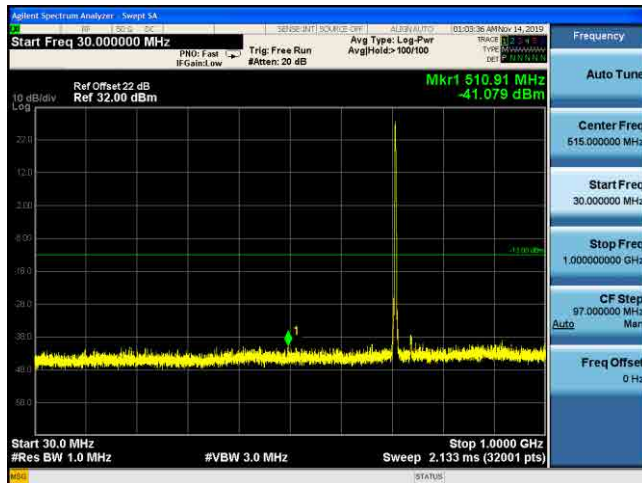
### LTE Band 12 QPSK 1.4MHz CH23173 1RB#2\_30MHz-1GHz



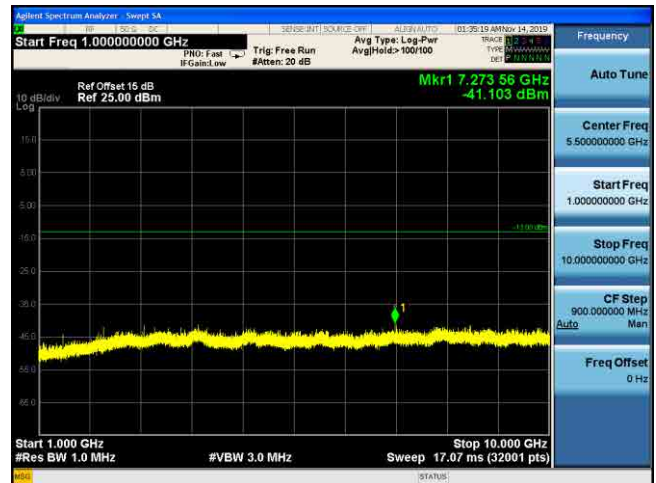
### LTE Band 12 QPSK 1.4MHz CH23173 1RB#2\_1GHz-10GHz



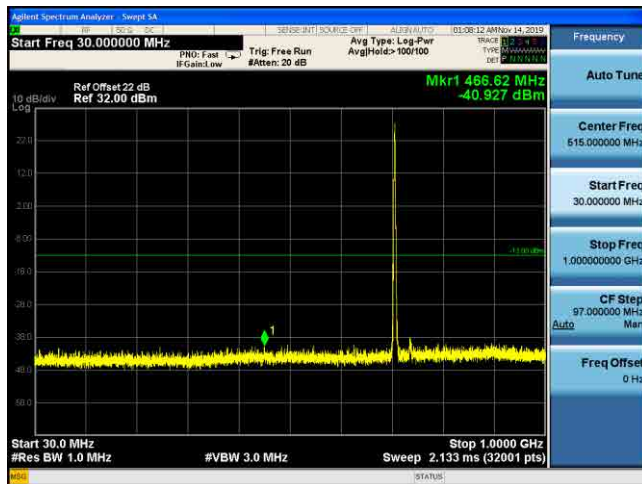
### LTE Band 12 QPSK 3MHz CH23165 1RB#7\_30MHz-1GHz



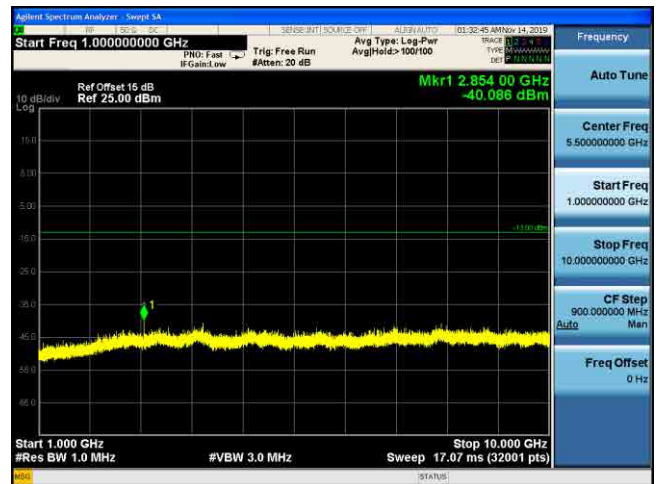
### LTE Band 12 QPSK 3MHz CH23165 1RB#7\_1GHz-10GHz



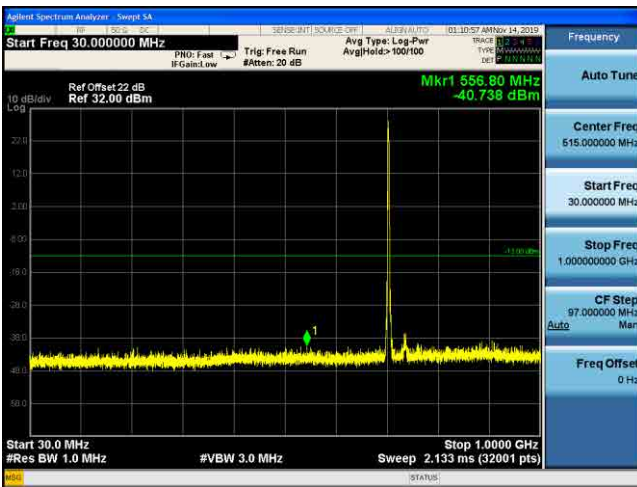
### LTE Band 12 QPSK 5MHz CH23155 1RB#12\_30MHz-1GHz



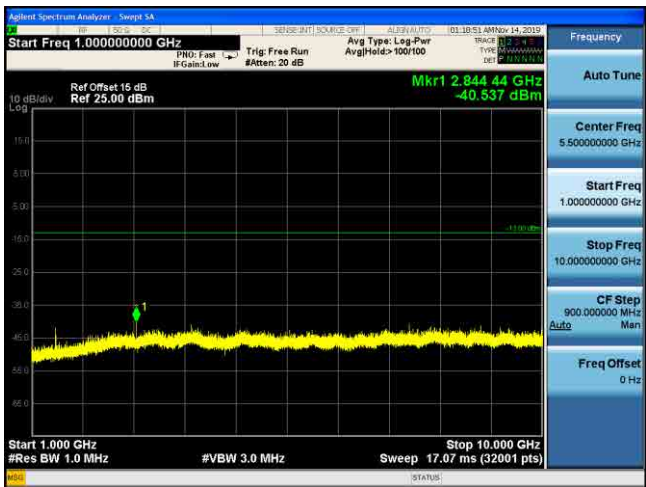
### LTE Band 12 QPSK 5MHz CH23155 1RB#12\_1GHz-10GHz



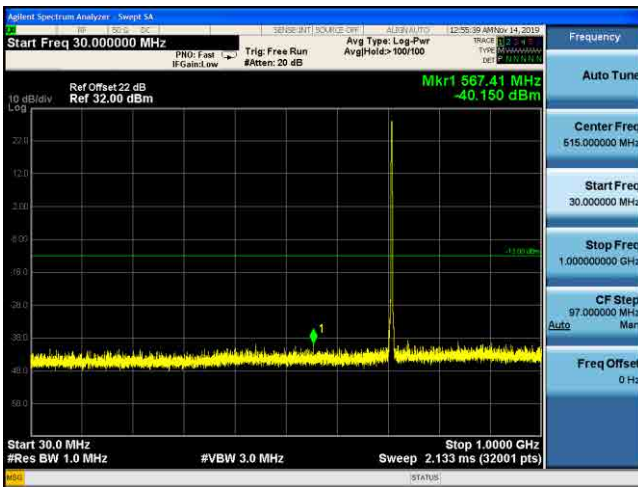
## LTE Band 12 QPSK 10MHz CH23130 1RB#25\_30MHz-1GHz



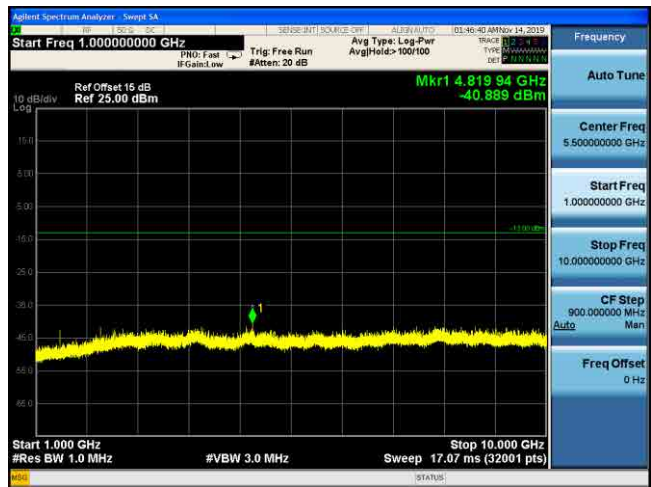
## LTE Band 12 QPSK 10MHz CH23130 1RB#25\_1GHz-10GHz



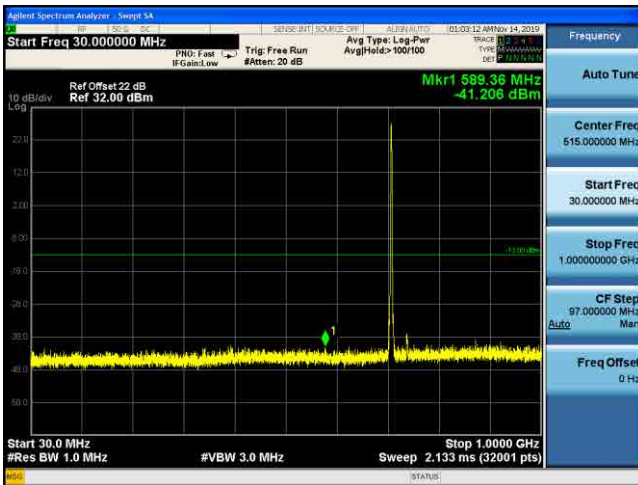
### LTE Band 12 16QAM 1.4MHz CH23173 1RB#2\_30MHz-1GHz



### LTE Band 12 16QAM 1.4MHz CH23173 1RB#2\_1GHz-10GHz



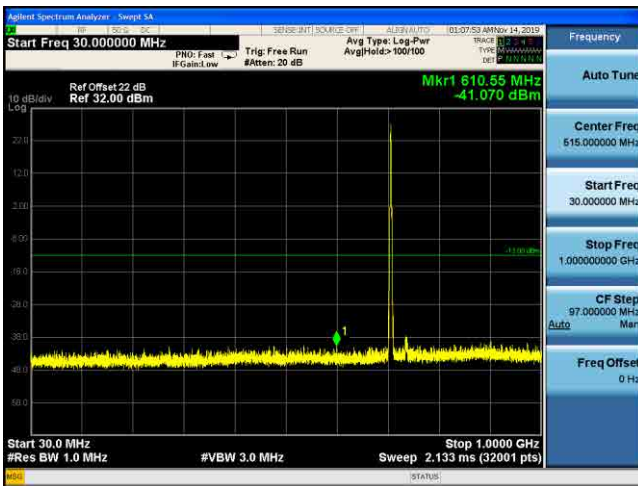
### LTE Band 12 16QAM 3MHz CH23165 1RB#7\_30MHz-1GHz



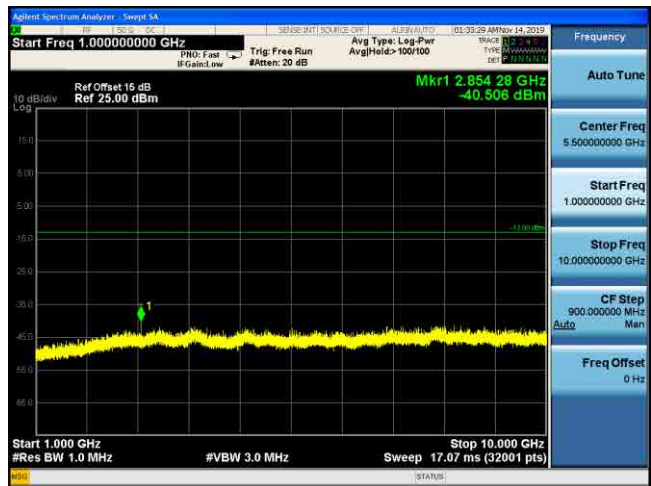
### LTE Band 12 16QAM 3MHz CH23165 1RB#7\_1GHz-10GHz



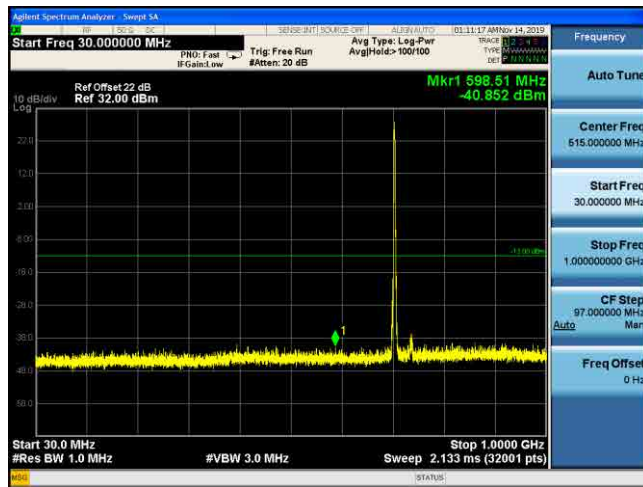
### LTE Band 12 16QAM 5MHz CH23155 1RB#12\_30MHz-1GHz



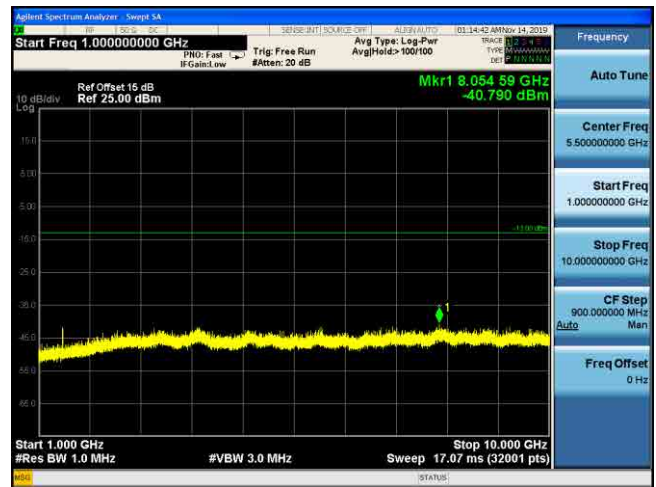
### LTE Band 12 16QAM 5MHz CH23155 1RB#12\_1GHz-10GHz



## LTE Band 12 16QAM 10MHz CH23130 1RB#25\_30MHz-1GHz



## LTE Band 12 16QAM 10MHz CH23130 1RB#25\_1GHz-10GHz





## **7.4. Band Edge at Antenna Terminal**

### **7.4.1. Test Limit**

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10\log(P)$  dB for Band 2,4,5,12,13,17/ 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 for Band7.

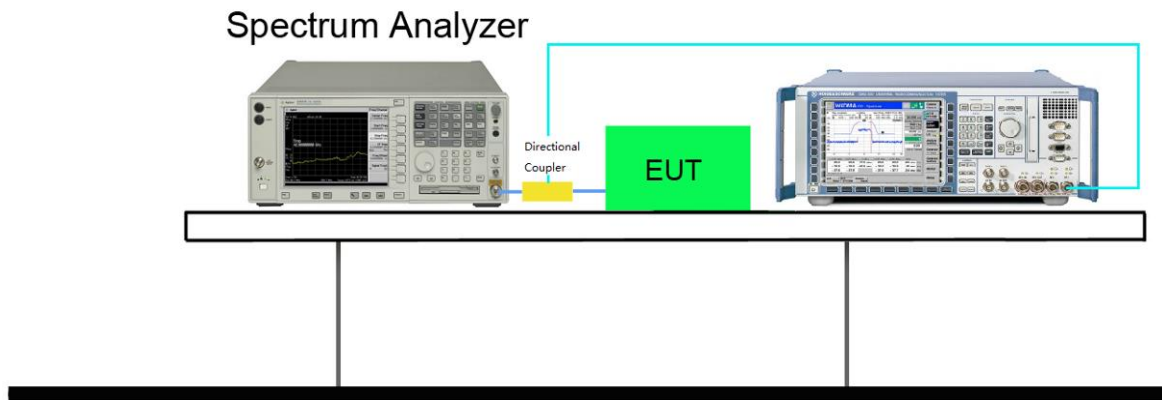
### **7.4.2. Test Procedure Used**

KDB 971168 D01v03r01 – Section 6.0 & ANSI/TIA-603-E-2016

### **7.4.3. Test Setting**

In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz or 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

#### 7.4.4. Test Setup



#### 7.4.5. Test Result

| Test Mode                   | Modulation | Channel / Frequency (MHz) | Bandwidth (MHz) | RB Size | RB Offset | Test Result |
|-----------------------------|------------|---------------------------|-----------------|---------|-----------|-------------|
| LTE Band 2<br>(Low Channel) | QPSK       | CH18607 / 1850.7MHz       | 1.4             | 1       | 0         | Pass        |
|                             |            |                           |                 | 6       | 0         | Pass        |
|                             |            | CH18615 / 1851.5MHz       | 3               | 1       | 0         | Pass        |
|                             |            |                           |                 | 15      | 0         | Pass        |
|                             |            | CH18625 / 1852.5MHz       | 5               | 1       | 0         | Pass        |
|                             |            |                           |                 | 25      | 0         | Pass        |
|                             |            | CH18650 / 1855MHz         | 10              | 1       | 0         | Pass        |
|                             |            |                           |                 | 50      | 0         | Pass        |
|                             |            | CH18675 / 1857.5MHz       | 15              | 1       | 0         | Pass        |
|                             |            |                           |                 | 75      | 0         | Pass        |
|                             |            | CH18700 / 1860MHz         | 20              | 1       | 0         | Pass        |
|                             |            |                           |                 | 100     | 0         | Pass        |
|                             | 16QAM      | CH18607 / 1850.7MHz       | 1.4             | 1       | 0         | Pass        |
|                             |            |                           |                 | 6       | 0         | Pass        |
|                             |            | CH18615 / 1851.5MHz       | 3               | 1       | 0         | Pass        |
|                             |            |                           |                 | 15      | 0         | Pass        |
|                             |            | CH18625 / 1852.5MHz       | 5               | 1       | 0         | Pass        |
|                             |            |                           |                 | 25      | 0         | Pass        |
|                             |            | CH18650 / 1855MHz         | 10              | 1       | 0         | Pass        |
|                             |            |                           |                 | 50      | 0         | Pass        |
|                             |            | CH18675 / 1857.5MHz       | 15              | 1       | 0         | Pass        |
|                             |            |                           |                 | 75      | 0         | Pass        |
|                             |            | CH18700 / 1860MHz         | 20              | 1       | 0         | Pass        |
|                             |            |                           |                 | 100     | 0         | Pass        |

| Test Mode                    | Modulation | Channel / Frequency (MHz) | Bandwidth (MHz) | RB Size | RB Offset | Test Result |
|------------------------------|------------|---------------------------|-----------------|---------|-----------|-------------|
| LTE Band 2<br>(High Channel) | QPSK       | CH19193 / 1909.3MHz       | 1.4             | 1       | 5         | Pass        |
|                              |            |                           |                 | 6       | 0         | Pass        |
|                              |            | CH19185 / 1908.5MHz       | 3               | 1       | 14        | Pass        |
|                              |            |                           |                 | 15      | 0         | Pass        |
|                              |            | CH19175 / 1907.5MHz       | 5               | 1       | 24        | Pass        |
|                              |            |                           |                 | 25      | 0         | Pass        |
|                              |            | CH19150 / 1905MHz         | 10              | 1       | 49        | Pass        |
|                              |            |                           |                 | 50      | 0         | Pass        |
|                              |            | CH19125 / 1902.5MHz       | 15              | 1       | 74        | Pass        |
|                              |            |                           |                 | 75      | 0         | Pass        |
|                              |            | CH19100 / 1900MHz         | 20              | 1       | 99        | Pass        |
|                              |            |                           |                 | 100     | 0         | Pass        |
|                              | 16QAM      | CH19193 / 1909.3MHz       | 1.4             | 1       | 5         | Pass        |
|                              |            |                           |                 | 6       | 0         | Pass        |
|                              |            | CH19185 / 1908.5MHz       | 3               | 1       | 14        | Pass        |
|                              |            |                           |                 | 15      | 0         | Pass        |
|                              |            | CH19175 / 1907.5MHz       | 5               | 1       | 24        | Pass        |
|                              |            |                           |                 | 25      | 0         | Pass        |
|                              |            | CH19150 / 1905MHz         | 10              | 1       | 49        | Pass        |
|                              |            |                           |                 | 50      | 0         | Pass        |
|                              |            | CH19125 / 1902.5MHz       | 15              | 1       | 74        | Pass        |
|                              |            |                           |                 | 75      | 0         | Pass        |
|                              |            | CH19100 / 1900MHz         | 20              | 1       | 99        | Pass        |
|                              |            |                           |                 | 100     | 0         | Pass        |

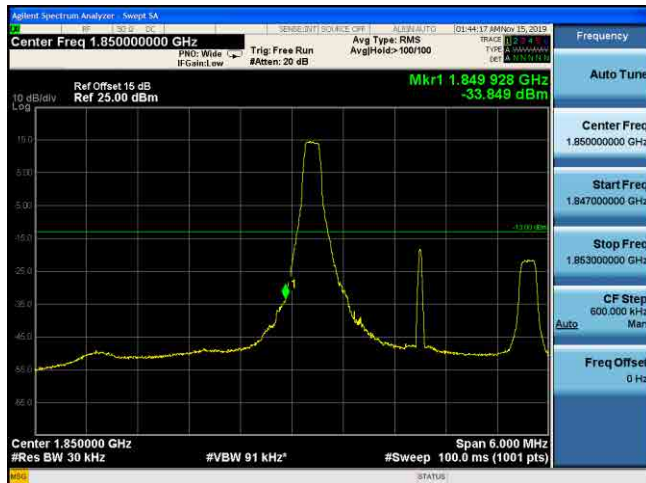
### LTE Band 2 QPSK 1.4MHz CH18607 1RB#0



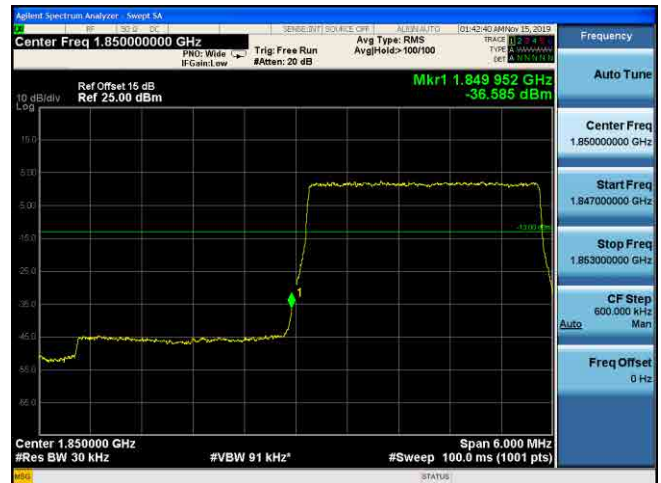
### LTE Band 2 QPSK 1.4MHz CH18607 6RB#0



### LTE Band 2 QPSK 3MHz CH18615 1RB#0



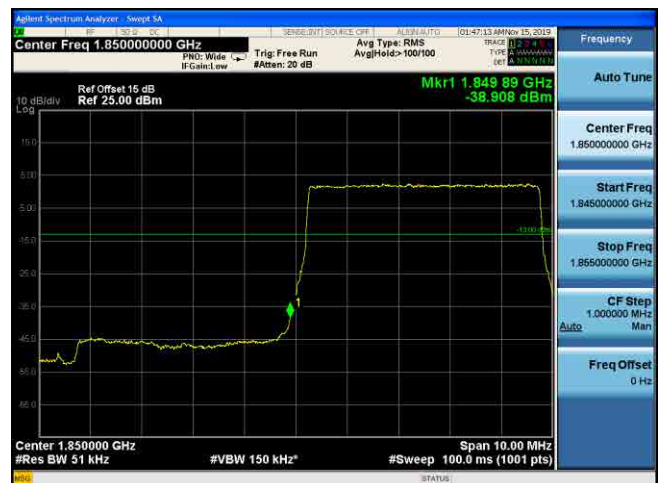
### LTE Band 2 QPSK 3MHz CH18615 15RB#0



### LTE Band 2 QPSK 5MHz CH18625 1RB#0



### LTE Band 2 QPSK 5MHz CH18625 25RB#0





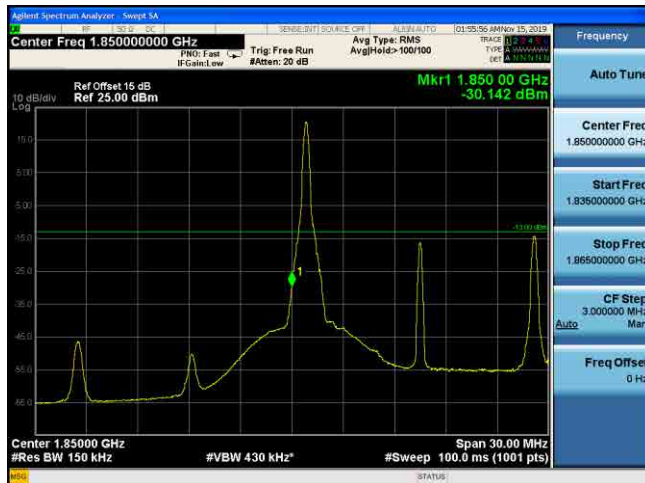
## LTE Band 2 QPSK 10MHz CH18650 1RB#0



## LTE Band 2 QPSK 10MHz CH18650 50RB#0



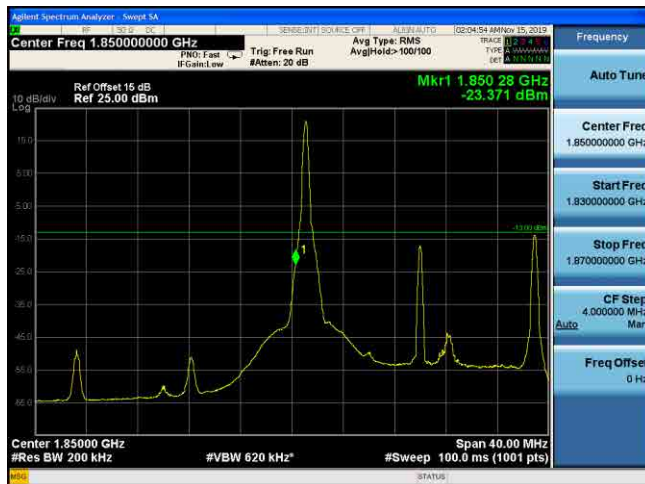
## LTE Band 2 QPSK 15MHz CH18675 1RB#0



## LTE Band 2 QPSK 15MHz CH18675 75RB#0



## LTE Band 2 QPSK 20MHz CH18700 1RB#0



## LTE Band 2 QPSK 20MHz CH18700 100RB#0



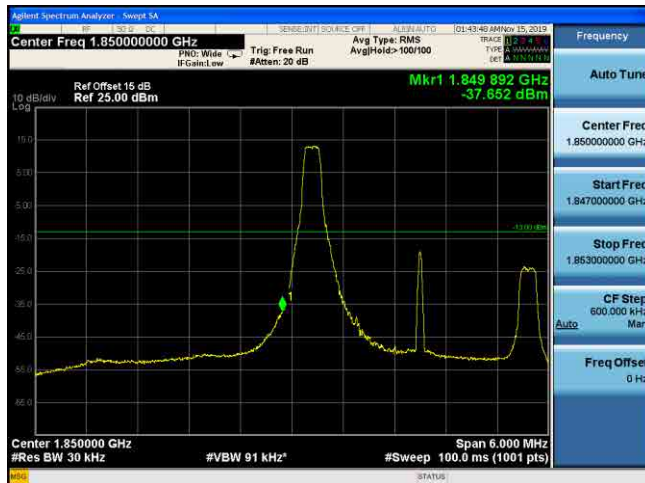
## LTE Band 2 16QAM 1.4MHz CH18607 1RB#0



## LTE Band 2 16QAM 1.4MHz CH18607 6RB#0



## LTE Band 2 16QAM 3MHz CH18615 1RB#0



## LTE Band 2 16QAM 3MHz CH18615 15RB#0



## LTE Band 2 16QAM 5MHz CH18625 1RB#0



## LTE Band 2 16QAM 5MHz CH18625 25RB#0



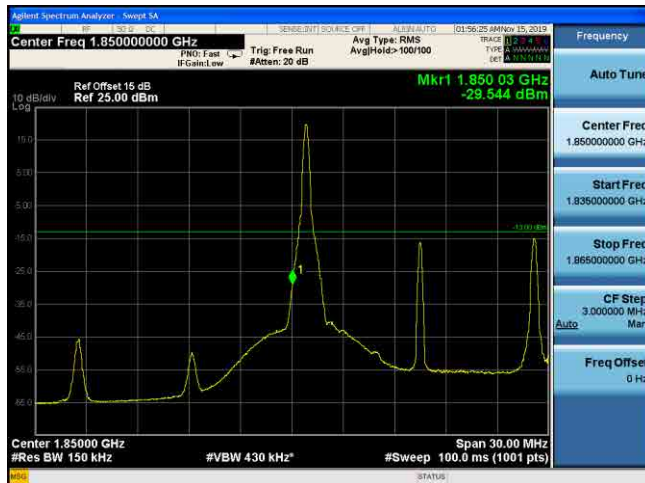
### LTE Band 2 16QAM 10MHz CH18650 1RB#0



### LTE Band 2 16QAM 10MHz CH18650 50RB#0



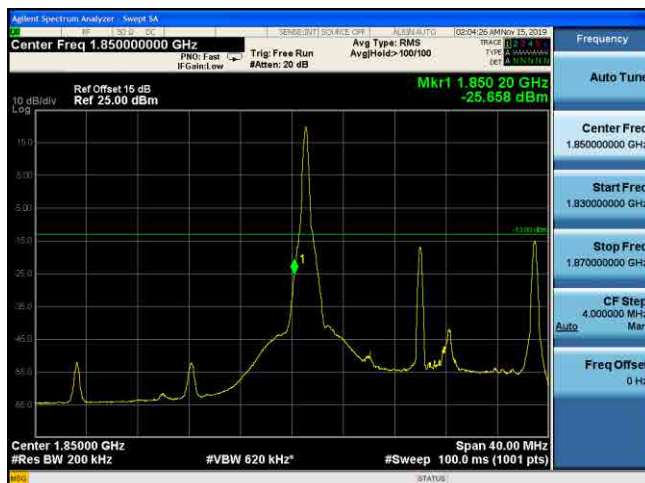
### LTE Band 2 16QAM 15MHz CH18675 1RB#0



### LTE Band 2 16QAM 15MHz CH18675 75RB#0



### LTE Band 2 16QAM 20MHz CH18700 1RB#0



### LTE Band 2 16QAM 20MHz CH18700 100RB#0



### LTE Band 2 QPSK 1.4MHz CH19193 1RB#5



### LTE Band 2 QPSK 1.4MHz CH19193 6RB#0



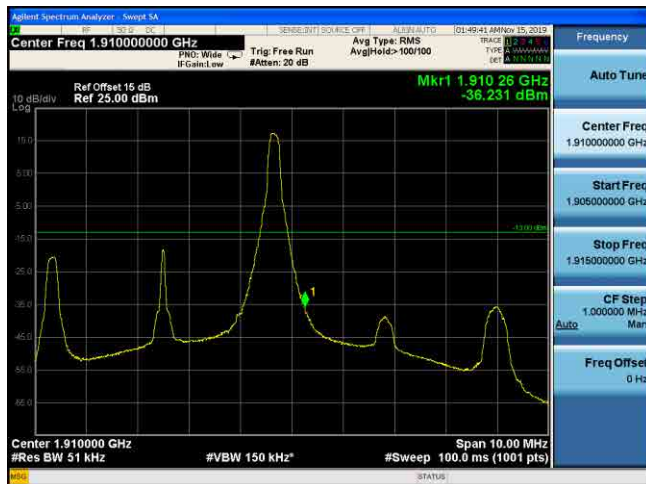
### LTE Band 2 QPSK 3MHz CH19185 1RB#14



### LTE Band 2 QPSK 3MHz CH19185 15RB#0



### LTE Band 2 QPSK 5MHz CH19175 1RB#24



### LTE Band 2 QPSK 5MHz CH19175 25RB#0





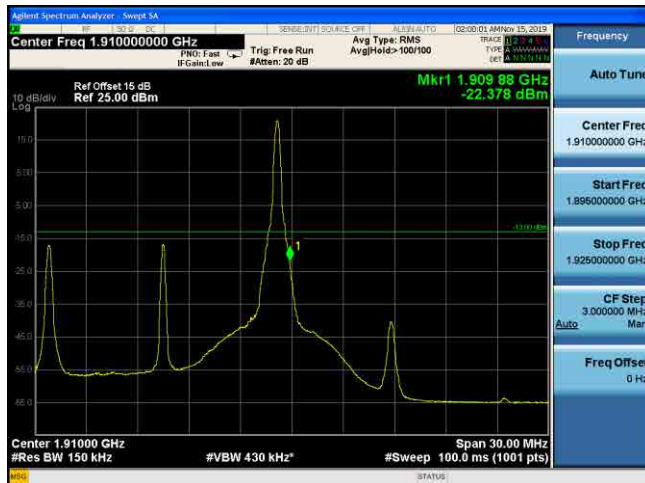
## LTE Band 2 QPSK 10MHz CH19150 1RB#49



## LTE Band 2 QPSK 10MHz CH19150 50RB#0



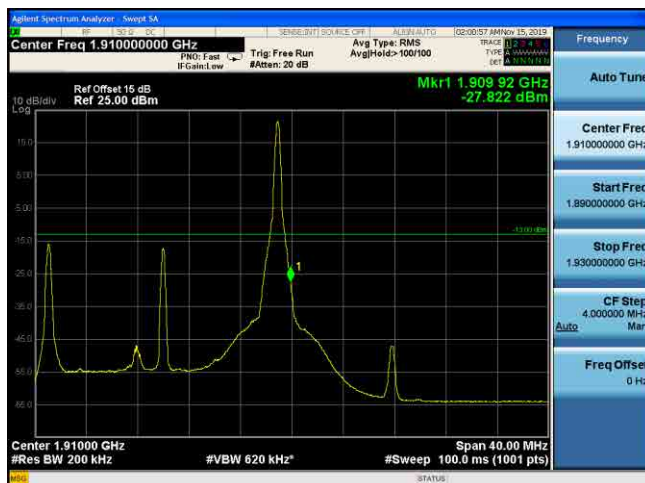
## LTE Band 2 QPSK 15MHz CH19125 1RB#74



## LTE Band 2 QPSK 15MHz CH19125 75RB#0



## LTE Band 2 QPSK 20MHz CH19100 1RB#99



## LTE Band 2 QPSK 20MHz CH19100 100RB#0



## LTE Band 2 16QAM 1.4MHz CH19193 1RB#5



## LTE Band 2 16QAM 1.4MHz CH19193 6RB#0



## LTE Band 2 16QAM 3MHz CH19185 1RB#14



## LTE Band 2 16QAM 3MHz CH19185 15RB#0



## LTE Band 2 16QAM 5MHz CH19175 1RB#24



## LTE Band 2 16QAM 5MHz CH19175 25RB#0





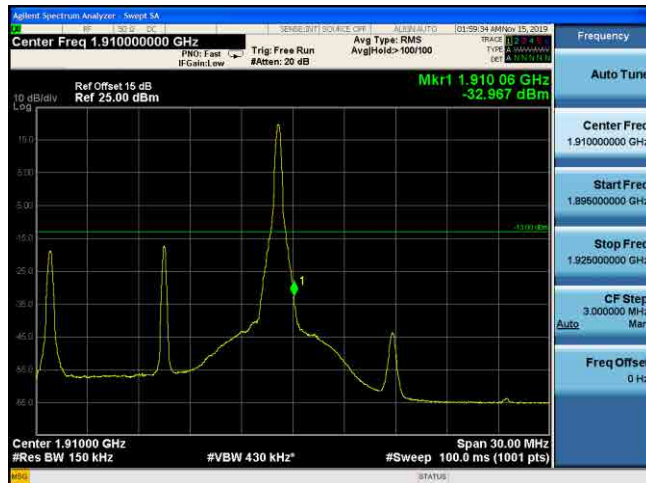
## LTE Band 2 16QAM 10MHz CH19150 1RB#49



## LTE Band 2 16QAM 10MHz CH19150 50RB#0



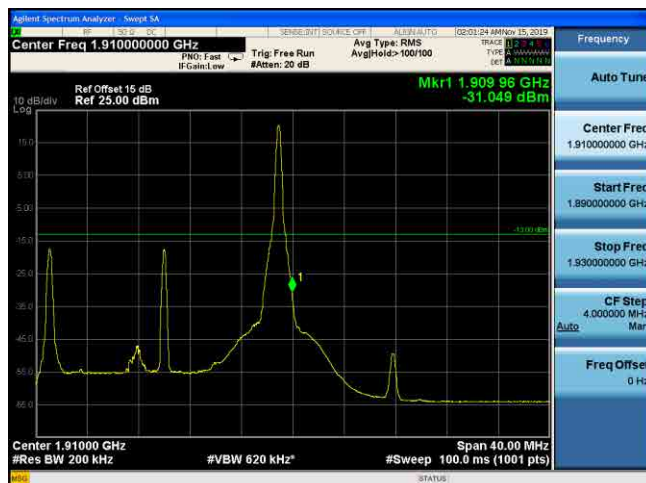
## LTE Band 2 16QAM 15MHz CH19125 1RB#74



## LTE Band 2 16QAM 15MHz CH19125 75RB#0



## LTE Band 2 16QAM 20MHz CH19100 1RB#99



## LTE Band 2 16QAM 20MHz CH19100 100RB#0



| Test Mode                   | Modulation | Channel / Frequency (MHz) | Bandwidth (MHz) | RB Size | RB Offset | Test Result |
|-----------------------------|------------|---------------------------|-----------------|---------|-----------|-------------|
| LTE Band 4<br>(Low Channel) | QPSK       | CH19957 / 1710.7MHz       | 1.4             | 1       | 0         | Pass        |
|                             |            |                           |                 | 6       | 0         | Pass        |
|                             |            | CH19965 / 1711.5MHz       | 3               | 1       | 0         | Pass        |
|                             |            |                           |                 | 15      | 0         | Pass        |
|                             |            | CH19975 / 1712.5MHz       | 5               | 1       | 0         | Pass        |
|                             |            |                           |                 | 25      | 0         | Pass        |
|                             |            | CH20000 / 1715MHz         | 10              | 1       | 0         | Pass        |
|                             |            |                           |                 | 50      | 0         | Pass        |
|                             |            | CH20025 / 1717.5MHz       | 15              | 1       | 0         | Pass        |
|                             |            |                           |                 | 75      | 0         | Pass        |
|                             |            | CH20050 / 1720MHz         | 20              | 1       | 0         | Pass        |
|                             |            |                           |                 | 100     | 0         | Pass        |
|                             | 16QAM      | CH19957 / 1710.7MHz       | 1.4             | 1       | 0         | Pass        |
|                             |            |                           |                 | 6       | 0         | Pass        |
|                             |            | CH19965 / 1711.5MHz       | 3               | 1       | 0         | Pass        |
|                             |            |                           |                 | 15      | 0         | Pass        |
|                             |            | CH19975 / 1712.5MHz       | 5               | 1       | 0         | Pass        |
|                             |            |                           |                 | 25      | 0         | Pass        |
|                             |            | CH20000 / 1715MHz         | 10              | 1       | 0         | Pass        |
|                             |            |                           |                 | 50      | 0         | Pass        |
|                             |            | CH20025 / 1717.5MHz       | 15              | 1       | 0         | Pass        |
|                             |            |                           |                 | 75      | 0         | Pass        |
|                             |            | CH20050 / 1720MHz         | 20              | 1       | 0         | Pass        |
|                             |            |                           |                 | 100     | 0         | Pass        |

| Test Mode                    | Modulation | Channel / Frequency (MHz) | Bandwidth (MHz) | RB Size | RB Offset | Test Result |
|------------------------------|------------|---------------------------|-----------------|---------|-----------|-------------|
| LTE Band 4<br>(High Channel) | QPSK       | CH20393 / 1754.3MHz       | 1.4             | 1       | 5         | Pass        |
|                              |            |                           |                 | 6       | 0         | Pass        |
|                              |            | CH20385 / 1753.5MHz       | 3               | 1       | 14        | Pass        |
|                              |            |                           |                 | 15      | 0         | Pass        |
|                              |            | CH20375 / 1752.5MHz       | 5               | 1       | 24        | Pass        |
|                              |            |                           |                 | 25      | 0         | Pass        |
|                              |            | CH20350 / 1750MHz         | 10              | 1       | 49        | Pass        |
|                              |            |                           |                 | 50      | 0         | Pass        |
|                              |            | CH20325 / 1747.5MHz       | 15              | 1       | 74        | Pass        |
|                              |            |                           |                 | 75      | 0         | Pass        |
|                              |            | CH20300 / 1745MHz         | 20              | 1       | 99        | Pass        |
|                              |            |                           |                 | 100     | 0         | Pass        |
|                              | 16QAM      | CH20393 / 1754.3MHz       | 1.4             | 1       | 5         | Pass        |
|                              |            |                           |                 | 6       | 0         | Pass        |
|                              |            | CH20385 / 1753.5MHz       | 3               | 1       | 14        | Pass        |
|                              |            |                           |                 | 15      | 0         | Pass        |
|                              |            | CH20375 / 1752.5MHz       | 5               | 1       | 24        | Pass        |
|                              |            |                           |                 | 25      | 0         | Pass        |
|                              |            | CH20350 / 1750MHz         | 10              | 1       | 49        | Pass        |
|                              |            |                           |                 | 50      | 0         | Pass        |
|                              |            | CH20325 / 1747.5MHz       | 15              | 1       | 74        | Pass        |
|                              |            |                           |                 | 75      | 0         | Pass        |
|                              |            | CH20300 / 1745MHz         | 20              | 1       | 99        | Pass        |
|                              |            |                           |                 | 100     | 0         | Pass        |