



REPORT No.: SZ21100132W09

# TEST REPORT

**APPLICANT** : Reliance Communications LLC

**PRODUCT NAME** : Orbic Tab10R 5G

**MODEL NAME** : R10L5TR

**BRAND NAME** : Orbic

**FCC ID** : 2ABGH-R10L5TR

**STANDARD(S)** : 47 CFR Part 22, Subpart H  
47 CFR Part 24, Subpart E  
47 CFR Part 27, Subpart F&L  
47 CFR Part 96, Subpart A

**RECEIPT DATE** : 2021-07-08

**TEST DATE** : 2021-07-08 to 2022-01-16

**ISSUE DATE** : 2022-01-31

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# DIRECTORY

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| Change History |            |                   |
|----------------|------------|-------------------|
| Version        | Date       | Reason for change |
| 1.0            | 2022-01-31 | First edition     |
|                |            |                   |



# 1. Technical Information

**Note:** Provide by applicant.

## 1.1. Applicant and Manufacturer Information

|                              |                                                                 |
|------------------------------|-----------------------------------------------------------------|
| <b>Applicant:</b>            | Reliance Communications LLC                                     |
| <b>Applicant Address:</b>    | 91 Colin Drive, Unit 1, HOLBROOK, New York 11741, United States |
| <b>Manufacturer:</b>         | ZJY RIGHT SOURCE INDIA PRIVATE LIMITED                          |
| <b>Manufacturer Address:</b> | MIDC industrial Area, Shiravane, Nerul, India                   |

## 1.2. Equipment Under Test (EUT) Description

|                          |                                                                                           |                         |
|--------------------------|-------------------------------------------------------------------------------------------|-------------------------|
| <b>Product Name:</b>     | Orbic Tab10R 5G                                                                           |                         |
| <b>Hardware Version:</b> | V1.1                                                                                      |                         |
| <b>Software Version:</b> | ORB10L5TR_v1.0.5_BVZ                                                                      |                         |
| <b>IMEI:</b>             | 35475317                                                                                  |                         |
| <b>Modulation Type:</b>  | QPSK, 16QAM, 64QAM, 256QAM                                                                |                         |
| <b>Operation Band:</b>   | Uplink: CA_13A-66A; CA_2A-13A; CA_2A-5A; CA_4A-13A;<br>CA_4A-5A; CA_5A-66A; CA_5B; CA_48C |                         |
| <b>Frequency Range:</b>  | LTE Band 2                                                                                | Tx: 1850 MHz – 1910 MHz |
|                          |                                                                                           | Rx: 1930 MHz – 1990 MHz |
|                          | LTE Band 4                                                                                | Tx: 1710 MHz – 1755 MHz |
|                          |                                                                                           | Rx: 2110 MHz – 2155 MHz |
|                          | LTE Band 5                                                                                | Tx: 824 MHz – 849 MHz   |
|                          |                                                                                           | Rx: 869 MHz – 894 MHz   |
|                          | LTE Band 13                                                                               | Tx: 777 MHz – 787 MHz   |
|                          |                                                                                           | Rx: 746 MHz – 756 MHz   |
|                          | LTE Band 66                                                                               | Tx: 1710 MHz – 1780 MHz |
|                          |                                                                                           | Rx: 2110 MHz – 2200 MHz |
|                          | LTE Band 48                                                                               | Tx: 3550 MHz – 3700 MHz |
|                          |                                                                                           | Rx: 3550 MHz – 3700 MHz |



|                           |                        |                                         |
|---------------------------|------------------------|-----------------------------------------|
| <b>Channel Bandwidth:</b> | LTE Band 2             | 1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz |
|                           | LTE Band 4             | 1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz |
|                           | LTE Band 5             | 1.4MHz, 3MHz, 5MHz, 10MHz               |
|                           | LTE Band 13            | 5MHz, 10MHz                             |
|                           | LTE Band 48            | 5MHz, 10MHz, 15MHz, 20MHz               |
|                           | LTE Band 66            | 1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz |
| <b>Antenna Type:</b>      | Fixed Internal Antenna |                                         |
| <b>Antenna Gain:</b>      | LTE Band 2             | -2.00 dBi                               |
|                           | LTE Band 4             | -2.60 dBi                               |
|                           | LTE Band 5             | -0.90 dBi                               |
|                           | LTE Band 13            | -1.50 dBi                               |
|                           | LTE Band 48            | 1.80 dBi                                |
|                           | LTE Band 66            | -2.10 dBi                               |

**Note 1:** For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.

### 1.3. Maximum ERP/EIRP and Emission Designator

| Channel bandwidth | Maximum ERP/EIRP (W) |       |       |        |
|-------------------|----------------------|-------|-------|--------|
| CA_5B             | QPSK                 | 16QAM | 64QAM | 256QAM |
| 10+10             | 0.050                | /     | /     | /      |
| CA_48C            | QPSK                 | 16QAM | 64QAM | 256QAM |
| 20+20             | 0.277                | /     | /     | /      |
| CA_2A-5A          | QPSK                 | 16QAM | 64QAM | 256QAM |
| 20+10             | 0.021                | /     | /     | /      |
| CA_2A-13A         | QPSK                 | 16QAM | 64QAM | 256QAM |
| 20+10             | 0.022                | /     | /     | /      |
| CA_4A-5A          | QPSK                 | 16QAM | 64QAM | 256QAM |
| 20+10             | 0.048                | /     | /     | /      |
| CA_4A-13A         | QPSK                 | 16QAM | 64QAM | 256QAM |
| 20+10             | 0.047                | /     | /     | /      |
| CA_5A-66A         | QPSK                 | 16QAM | 64QAM | 256QAM |
| 10+20             | 0.047                | /     | /     | /      |
| CA_13A-66A        | QPSK                 | 16QAM | 64QAM | 256QAM |
| 10+20             | 0.109                | /     | /     | /      |



| Channel bandwidth | Emission Designator (99%OBW) |         |         |
|-------------------|------------------------------|---------|---------|
| LTE 5B            | QPSK                         | 16QAM   | 64QAM   |
| 3+5               | 7M48G7D                      | 7M47W7D | 7M47D7W |
| 5+3               | 7M45G7D                      | 7M45W7D | 7M45D7W |
| 5+10              | 13M8G7D                      | 13M8W7D | 13M8D7W |
| 10+5              | 13M9G7D                      | 13M8W7D | 13M8D7W |
| 10+10             | 18M7G7D                      | 18M7W7D | 18M7D7W |
| LTE 48C           | QPSK                         | 16QAM   | 64QAM   |
| 5+20              | 22M6G7D                      | 22M8W7D | 22M7D7W |
| 10+20             | 27M6G7D                      | 27M5W7D | 27M6D7W |
| 15+20             | 32M5G7D                      | 32M4W7D | 32M4D7W |
| 20+5              | 22M8G7D                      | 22M8W7D | 22M8D7W |
| 20+10             | 27M8G7D                      | 27M7W7D | 27M7D7W |
| 20+15             | 32M6G7D                      | 32M5W7D | 32M5D7W |
| 20+20             | 37M3G7D                      | 37M3W7D | 37M3D7W |



## 1.4. Test Standards and Results

The objective of the report is to perform testing according to Part 2, Part 22, Part 24, Part 27 and Part 96 for the EUT FCC ID Certification:

| No | Identity       | Document Title                                                                |
|----|----------------|-------------------------------------------------------------------------------|
| 1  | 47 CFR Part 2  | Frequency Allocations and Radio Treaty Matters; General Rules and Regulations |
| 2  | 47 CFR Part 22 | Public Mobile Services                                                        |
| 3  | 47 CFR Part 24 | Personal Communications Services                                              |
| 4  | 47 CFR Part 27 | Miscellaneous Wireless Communications Services                                |
| 5  | 47 CFR Part 96 | Citizens Broadband Radio Service                                              |



Test detailed items/section required by FCC rules and results are as below:

| Section                                                                             | Description                                              | Test Date                     | Test Engineer            | Result | Method Determination /Remark |
|-------------------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------|--------------------------|--------|------------------------------|
| 2.1046,<br>22.913(a)(5),<br>24.232(c),<br>27.50(b)(10),<br>27.50(d)(4),<br>96.41(b) | Transmitter<br>Conducted Output<br>Power and<br>ERP/EIRP | Jul 8 to Jul<br>23, 2021      | Chen Haiju/<br>Li Hanbin | PASS   | No<br>deviation              |
| 2.1049                                                                              | Occupied Bandwidth                                       | Aug 10 to<br>Aug 13,<br>2021  | Chen Haiju/<br>Li Hanbin | PASS   | No<br>deviation              |
| 2.1055,<br>22.355,<br>24.235,<br>27.54                                              | Frequency Stability                                      | Jul 25 to<br>Aug 15 ,<br>2021 | Chen Haiju/<br>Li Hanbin | PASS   | No<br>deviation              |
| 2.1051,<br>22.917(a),<br>24.238,<br>27.53(c)(2),<br>27.53(h),<br>96.41              | Conducted Spurious<br>Emissions                          | Aug 19 to<br>Aug 24,<br>2021  | Chen Haiju/<br>Li Hanbin | PASS   | No<br>deviation              |
| 2.1051,<br>22.917(a),<br>24.238,<br>27.53(c)(2)(5),<br>27.53(h),<br>96.41(e)        | Band Edge                                                | Aug 27 to<br>Sep 23,<br>2021  | Chen Haiju/<br>Li Hanbin | PASS   | No<br>deviation              |
| 2.1053,<br>22.917(a),<br>24.238,<br>27.53,<br>96.41(e)                              | Radiated Spurious<br>Emissions                           | Jan 16,<br>2022               | Lin Jiayong              | PASS   | No<br>deviation              |

**Note 1:** The tests were performed according to the method of measurements prescribed in KDB971168 D01 v03 and ANSI/TIA-603-E-2016.

**Note 2:** The path loss during the RF test is calibrated to correct the results by the offset setting in the test equipments. The ref offset 8dB contains two parts that cable loss 5dB and Attenuator 3dB.





## 1.5. Environmental Conditions

During the measurement, the environmental conditions were within the listed ranges:

|                             |          |
|-----------------------------|----------|
| Temperature (°C):           | 15 - 35  |
| Relative Humidity (%):      | 30 - 60  |
| Atmospheric Pressure (kPa): | 86 - 106 |



## **2.47 CFR Part 2, 22H, 24E, 27F&L and 96A Requirements**

### **2.1. Transmitter Conducted Output Power And ERP/EIPR**

#### **2.1.1. Requirement**

According to FCC section 2.1046(a) for transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current and voltage on the circuit elements specified in FCC section 2.1033(c)(8).

According to FCC section 22.913(a)(5) for LTE Band 5, the ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

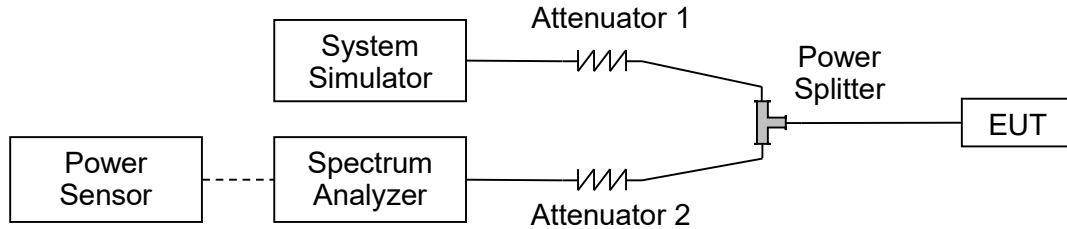
According to FCC section 24.232(c) for LTE Band 2, Mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

According to FCC section 27.50(b)(10) for LTE Band 13, Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP.

According to FCC section 27.50(d)(4) for LTE Band 4 and 66, mobile and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP.

According to FCC section 96.41(b) for LTE Band 48, the EIRP of any CBSD and End User Device must not exceed 23 dBm/10MHz.

### 2.1.1. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

### 2.1.2. Test procedure

KDB 971168 D01v03 Section 5.2 and ANSI/TIA-603-E-2016.

$EIRP \text{ (dBm)} = \text{Conducted Output Power (dBm)} + \text{Antenna Gain (dBi)}$

$ERP \text{ (dBm)} = EIPR \text{ (dBm)} - 2.15$



### 2.1.3. Result

#### Conducted Output Power

| CA_5B                              |             |            |         |           |         |           |               |                     |
|------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|---------------------|
| Combination:10MHz+10MHz(50RB+50RB) |             |            |         |           |         |           |               |                     |
| PCC Channel                        | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Measured Power(dBm) |
|                                    |             |            | RB Size | RB Offset | RB Size | RB Offset |               |                     |
| 20450                              | 20549       | QPSK       | 1       | 0         | 0       | 0         | 1             | 20.09               |
| 20476                              | 20575       | QPSK       | 1       | 0         | 0       | 0         | 1             | 20.06               |
| 20501                              | 20600       | QPSK       | 1       | 0         | 0       | 0         | 1             | 20.03               |
| 20450                              | 20549       | 16QAM      | 1       | 0         | 0       | 0         | 1             | /                   |
| 20476                              | 20575       | 16QAM      | 1       | 0         | 0       | 0         | 1             | /                   |
| 20501                              | 20600       | 16QAM      | 1       | 0         | 0       | 0         | 1             | /                   |
| 20450                              | 20549       | 64QAM      | 1       | 0         | 0       | 0         | 1             | /                   |
| 20476                              | 20575       | 64QAM      | 1       | 0         | 0       | 0         | 1             | /                   |
| 20501                              | 20600       | 64QAM      | 1       | 0         | 0       | 0         | 1             | /                   |
| 20450                              | 20549       | QPSK       | 50      | 0         | 0       | 0         | 1             | /                   |
| 20476                              | 20575       | QPSK       | 50      | 0         | 0       | 0         | 1             | /                   |
| 20501                              | 20600       | QPSK       | 50      | 0         | 0       | 0         | 1             | /                   |



| CA_48C                               |                |            |            |              |            |              |                     |                        |
|--------------------------------------|----------------|------------|------------|--------------|------------|--------------|---------------------|------------------------|
| Combination:20MHz+20MHz(100RB+100RB) |                |            |            |              |            |              |                     |                        |
| PCC<br>Channel<br>(3GPP)             | SCC<br>Channel | Modulation | PCC        |              | SCC        |              | Total<br>RB<br>Size | Measured<br>Power(dBm) |
|                                      |                |            | RB<br>Size | RB<br>Offset | RB<br>Size | RB<br>Offset |                     |                        |
| 55340                                | 55538          | QPSK       | 1          | 0            | 0          | 0            | 1                   | 22.62                  |
| 55891                                | 56089          | QPSK       | 1          | 0            | 0          | 0            | 1                   | 22.51                  |
| 56442                                | 56640          | QPSK       | 1          | 0            | 0          | 0            | 1                   | 22.64                  |
| 55340                                | 55538          | 16QAM      | 1          | 0            | 0          | 0            | 1                   | /                      |
| 55891                                | 56089          | 16QAM      | 1          | 0            | 0          | 0            | 1                   | /                      |
| 56442                                | 56640          | 16QAM      | 1          | 0            | 0          | 0            | 1                   | /                      |
| 55340                                | 55538          | 64QAM      | 1          | 0            | 0          | 0            | 1                   | /                      |
| 55891                                | 56089          | 64QAM      | 1          | 0            | 0          | 0            | 1                   | /                      |
| 56442                                | 56640          | 64QAM      | 1          | 0            | 0          | 0            | 1                   | /                      |
| 55340                                | 55538          | QPSK       | 50         | 0            | 0          | 0            | 1                   | /                      |
| 55891                                | 56089          | QPSK       | 50         | 0            | 0          | 0            | 1                   | /                      |
| 56442                                | 56640          | QPSK       | 50         | 0            | 0          | 0            | 1                   | /                      |



| Configure  | CA Configuration | PCC  |          |            |               |                                |
|------------|------------------|------|----------|------------|---------------|--------------------------------|
|            |                  | Band | BW (MHz) | UL Channel | UL Fre. (MHz) | UL Mode (Modulation/RB/Offset) |
| Inter-band | CA_2A-5A         | 2    | 20       | 19100      | 1900          | QPSK/1#0                       |
|            | CA_2A-13A        | 2    | 20       | 19100      | 1900          | QPSK/1#0                       |
|            | CA_4A-5A         | 4    | 20       | 20050      | 1720          | QPSK/1#0                       |
|            | CA_4A-13A        | 4    | 20       | 20050      | 1720          | QPSK/1#0                       |
|            | CA_5A-66A        | 5    | 10       | 20450      | 836.5         | QPSK/1#0                       |
|            | CA_13A-66A       | 13   | 10       | 23230      | 782           | QPSK/1#0                       |

| SCC  |          |            |               | Measured Power(dBm) |
|------|----------|------------|---------------|---------------------|
| Band | BW (MHz) | UL Channel | UL Fre. (MHz) |                     |
| 5    | 10       | 20600      | 844           | 15.32               |
| 13   | 10       | 23230      | 782           | 15.44               |
| 5    | 10       | 20450      | 829           | 19.42               |
| 13   | 10       | 23230      | 780           | 19.41               |
| 66   | 20       | 132072     | 1745          | 19.85               |
| 66   | 20       | 132572     | 1770          | 24.03               |

**Effective Radiated Power and Effective Isotropic Radiated Power**

| CA_5B                              |             |            |         |           |         |           |               |                     |                  |
|------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|---------------------|------------------|
| Combination:10MHz+10MHz(50RB+50RB) |             |            |         |           |         |           |               |                     |                  |
| PCC Channel                        | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Measured Power(dBm) | Measured EIRP(W) |
|                                    |             |            | RB Size | RB Offset | RB Size | RB Offset |               |                     |                  |
| 20450                              | 20549       | QPSK       | 1       | 0         | 0       | 0         | 1             | 17.04               | 0.050            |
| 20476                              | 20575       | QPSK       | 1       | 0         | 0       | 0         | 1             | 17.01               | 0.050            |
| 20501                              | 20600       | QPSK       | 1       | 0         | 0       | 0         | 1             | 16.98               | 0.049            |
| 20450                              | 20549       | 16QAM      | 1       | 0         | 0       | 0         | 1             | /                   | /                |
| 20476                              | 20575       | 16QAM      | 1       | 0         | 0       | 0         | 1             | /                   | /                |
| 20501                              | 20600       | 16QAM      | 1       | 0         | 0       | 0         | 1             | /                   | /                |
| 20450                              | 20549       | 64QAM      | 1       | 0         | 0       | 0         | 1             | /                   | /                |
| 20476                              | 20575       | 64QAM      | 1       | 0         | 0       | 0         | 1             | /                   | /                |
| 20501                              | 20600       | 64QAM      | 1       | 0         | 0       | 0         | 1             | /                   | /                |
| 20450                              | 20549       | QPSK       | 50      | 0         | 0       | 0         | 1             | /                   | /                |
| 20476                              | 20575       | QPSK       | 50      | 0         | 0       | 0         | 1             | /                   | /                |
| 20501                              | 20600       | QPSK       | 50      | 0         | 0       | 0         | 1             | /                   | /                |



| CA_48C                               |             |            |         |           |         |           |               |                     |                  |
|--------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|---------------------|------------------|
| Combination:20MHz+20MHz(100RB+100RB) |             |            |         |           |         |           |               |                     |                  |
| PCC Channel                          | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Measured Power(dBm) | Measured EIRP(W) |
|                                      |             |            | RB Size | RB Offset | RB Size | RB Offset |               |                     |                  |
| 55340                                | 55538       | QPSK       | 1       | 0         | 0       | 0         | 1             | 24.42               | 0.276            |
| 55891                                | 56089       | QPSK       | 1       | 0         | 0       | 0         | 1             | 24.31               | 0.269            |
| 56442                                | 56640       | QPSK       | 1       | 0         | 0       | 0         | 1             | 24.44               | 0.277            |
| 55340                                | 55538       | 16QAM      | 1       | 0         | 0       | 0         | 1             | /                   | /                |
| 55891                                | 56089       | 16QAM      | 1       | 0         | 0       | 0         | 1             | /                   | /                |
| 56442                                | 56640       | 16QAM      | 1       | 0         | 0       | 0         | 1             | /                   | /                |
| 55340                                | 55538       | 64QAM      | 1       | 0         | 0       | 0         | 1             | /                   | /                |
| 55891                                | 56089       | 64QAM      | 1       | 0         | 0       | 0         | 1             | /                   | /                |
| 56442                                | 56640       | 64QAM      | 1       | 0         | 0       | 0         | 1             | /                   | /                |
| 55340                                | 55538       | QPSK       | 50      | 0         | 0       | 0         | 1             | /                   | /                |
| 55891                                | 56089       | QPSK       | 50      | 0         | 0       | 0         | 1             | /                   | /                |
| 56442                                | 56640       | QPSK       | 50      | 0         | 0       | 0         | 1             | /                   | /                |





| Configure  | CA Configuration | PCC  |          |            |               |                                |
|------------|------------------|------|----------|------------|---------------|--------------------------------|
|            |                  | Band | BW (MHz) | UL Channel | UL Fre. (MHz) | UL Mode (Modulation/RB/Offset) |
| Inter-band | CA_2A-5A         | 2    | 20       | 19100      | 1900          | QPSK/1#0                       |
|            | CA_2A-13A        | 2    | 20       | 19100      | 1900          | QPSK/1#0                       |
|            | CA_4A-5A         | 4    | 20       | 20050      | 1720          | QPSK/1#0                       |
|            | CA_4A-13A        | 4    | 20       | 20050      | 1720          | QPSK/1#0                       |
|            | CA_5A-66A        | 5    | 10       | 20525      | 836.5         | QPSK/1#0                       |
|            | CA_13A-66A       | 13   | 10       | 23230      | 782           | QPSK/1#0                       |

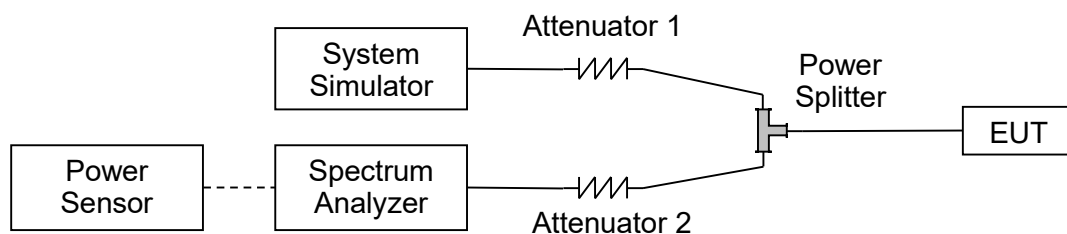
| SCC  |          |            |               | Measured Power(dBm) | Measured EIRP/ERP(W) |
|------|----------|------------|---------------|---------------------|----------------------|
| Band | BW (MHz) | UL Channel | UL Fre. (MHz) |                     |                      |
| 5    | 10       | 20600      | 844           | 13.32               | 0.021                |
| 13   | 10       | 23230      | 782           | 13.44               | 0.022                |
| 5    | 10       | 20450      | 829           | 16.82               | 0.048                |
| 13   | 10       | 23230      | 780           | 16.81               | 0.047                |
| 66   | 20       | 132322     | 1745          | 16.80               | 0.047                |
| 66   | 20       | 132572     | 1770          | 20.38               | 0.109                |

## 2.2. Occupied Bandwidth

### 2.2.1. Requirement

According to FCC section 2.1049, the occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission. Occupied bandwidth is also known as the 99% emission bandwidth.

### 2.2.2. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50 Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

### 2.2.3. Test procedure

KDB 971168 D01v03 Section 4.1 and ANSI/TIA-603-E-2016.

### 2.2.4. Test Result



| LTE Band 5B |               |            |             |              |
|-------------|---------------|------------|-------------|--------------|
| BW(MHz)     | Channel Level | Modulation | 99% BW(MHz) | 26dB BW(MHz) |
| 3M+5MHz     | Low           | QPSK       | 7.48        | 7.49         |
|             | Low           | 16QAM      | 7.41        | 7.47         |
|             | Low           | 64QAM      | 7.41        | 7.84         |
|             | Mid           | QPSK       | 7.47        | 7.87         |
|             | Mid           | 16QAM      | 7.41        | 7.83         |
|             | Mid           | 64QAM      | 7.40        | 7.83         |
|             | High          | QPSK       | 7.46        | 7.88         |
|             | High          | 16QAM      | 7.47        | 7.88         |
|             | High          | 64QAM      | 7.47        | 7.86         |
| 5M+3MHz     | Low           | QPSK       | 7.45        | 7.96         |
|             | Low           | 16QAM      | 7.45        | 7.93         |
|             | Low           | 64QAM      | 7.45        | 7.93         |
|             | Mid           | QPSK       | 7.44        | 7.94         |
|             | Mid           | 16QAM      | 7.45        | 7.92         |
|             | Mid           | 64QAM      | 7.44        | 7.92         |
|             | High          | QPSK       | 7.44        | 7.89         |
|             | High          | 16QAM      | 7.43        | 7.95         |
|             | High          | 64QAM      | 7.44        | 7.94         |
| 5M+10MHz    | Low           | QPSK       | 13.84       | 14.44        |
|             | Low           | 16QAM      | 13.73       | 14.47        |
|             | Low           | 64QAM      | 13.85       | 14.45        |
|             | Mid           | QPSK       | 13.84       | 14.53        |
|             | Mid           | 16QAM      | 13.82       | 14.41        |
|             | Mid           | 64QAM      | 13.85       | 14.47        |
|             | High          | QPSK       | 13.82       | 14.49        |
|             | High          | 16QAM      | 13.82       | 14.38        |
|             | High          | 64QAM      | 13.82       | 14.43        |
| 10M+5MHz    | Low           | QPSK       | 13.81       | 14.57        |
|             | Low           | 16QAM      | 13.79       | 14.51        |
|             | Low           | 64QAM      | 13.89       | 14.54        |
|             | Mid           | QPSK       | 13.87       | 14.61        |
|             | Mid           | 16QAM      | 13.87       | 14.61        |
|             | Mid           | 64QAM      | 13.84       | 14.57        |
|             | High          | QPSK       | 13.90       | 14.61        |
|             | High          | 16QAM      | 13.79       | 14.49        |
|             | High          | 64QAM      | 13.89       | 14.58        |



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|           |      |       |       |       |
|-----------|------|-------|-------|-------|
| 10M+10MHz | Low  | QPSK  | 18.75 | 19.60 |
|           | Low  | 16QAM | 18.71 | 19.55 |
|           | Low  | 64QAM | 18.70 | 19.67 |
|           | Mid  | QPSK  | 18.76 | 19.73 |
|           | Mid  | 16QAM | 18.71 | 19.53 |
|           | Mid  | 64QAM | 18.76 | 19.64 |
|           | High | QPSK  | 18.73 | 19.60 |
|           | High | 16QAM | 18.67 | 19.56 |
|           | High | 64QAM | 18.72 | 19.72 |



| LTE Band 48C |               |            |             |              |
|--------------|---------------|------------|-------------|--------------|
| BW(MHz)      | Channel Level | Modulation | 99% BW(MHz) | 26dB BW(MHz) |
| 5M+20MHz     | Low           | QPSK       | 22.54       | 23.49        |
|              | Low           | 16QAM      | 22.50       | 23.45        |
|              | Low           | 64QAM      | 22.74       | 23.46        |
|              | Mid           | QPSK       | 22.66       | 23.49        |
|              | Mid           | 16QAM      | 22.81       | 23.49        |
|              | Mid           | 64QAM      | 22.56       | 23.45        |
|              | High          | QPSK       | 22.64       | 23.50        |
|              | High          | 16QAM      | 22.76       | 23.45        |
|              | High          | 64QAM      | 22.67       | 23.49        |
| 10M+20MHz    | Low           | QPSK       | 27.54       | 28.51        |
|              | Low           | 16QAM      | 27.58       | 28.54        |
|              | Low           | 64QAM      | 27.52       | 28.48        |
|              | Mid           | QPSK       | 27.40       | 28.43        |
|              | Mid           | 16QAM      | 27.54       | 28.50        |
|              | Mid           | 64QAM      | 27.61       | 28.46        |
|              | High          | QPSK       | 27.60       | 28.47        |
|              | High          | 16QAM      | 27.50       | 28.51        |
|              | High          | 64QAM      | 27.52       | 28.52        |
| 15M+20MHz    | Low           | QPSK       | 32.37       | 33.61        |
|              | Low           | 16QAM      | 32.36       | 33.60        |
|              | Low           | 64QAM      | 32.44       | 33.58        |
|              | Mid           | QPSK       | 32.32       | 33.58        |
|              | Mid           | 16QAM      | 32.27       | 33.68        |
|              | Mid           | 64QAM      | 32.31       | 33.56        |
|              | High          | QPSK       | 32.51       | 33.56        |
|              | High          | 16QAM      | 32.40       | 33.61        |
|              | High          | 64QAM      | 32.46       | 33.62        |
| 20M+5MHz     | Low           | QPSK       | 22.80       | 23.59        |
|              | Low           | 16QAM      | 22.76       | 23.56        |
|              | Low           | 64QAM      | 22.79       | 23.53        |
|              | Mid           | QPSK       | 22.86       | 23.62        |
|              | Mid           | 16QAM      | 22.83       | 23.55        |
|              | Mid           | 64QAM      | 22.73       | 23.57        |
|              | High          | QPSK       | 22.68       | 23.59        |
|              | High          | 16QAM      | 22.67       | 23.54        |
|              | High          | 64QAM      | 22.81       | 23.61        |

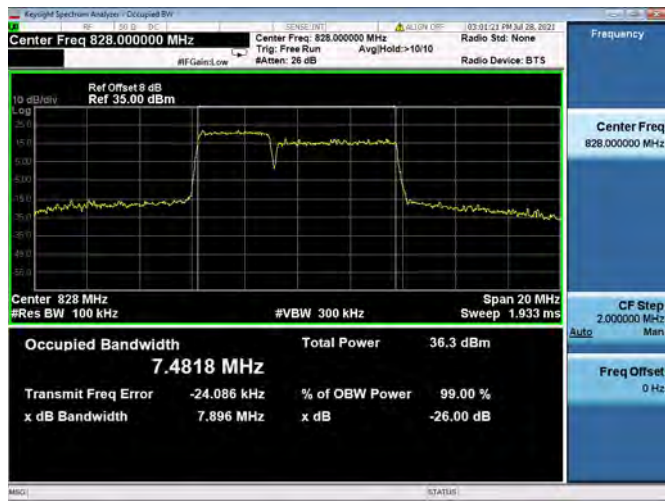


|           |      |       |       |       |
|-----------|------|-------|-------|-------|
| 20M+10MHz | Low  | QPSK  | 27.69 | 28.58 |
|           | Low  | 16QAM | 27.71 | 28.61 |
|           | Low  | 64QAM | 27.71 | 28.60 |
|           | Mid  | QPSK  | 27.80 | 28.59 |
|           | Mid  | 16QAM | 27.60 | 28.55 |
|           | Mid  | 64QAM | 27.71 | 28.71 |
|           | High | QPSK  | 27.64 | 28.57 |
|           | High | 16QAM | 27.70 | 28.63 |
|           | High | 64QAM | 27.53 | 28.55 |
| 20M+15MHz | Low  | QPSK  | 32.64 | 33.65 |
|           | Low  | 16QAM | 32.48 | 33.62 |
|           | Low  | 64QAM | 32.52 | 33.57 |
|           | Mid  | QPSK  | 32.55 | 33.59 |
|           | Mid  | 16QAM | 32.39 | 33.59 |
|           | Mid  | 64QAM | 32.45 | 33.60 |
|           | High | QPSK  | 32.40 | 33.40 |
|           | High | 16QAM | 32.53 | 33.74 |
|           | High | 64QAM | 32.51 | 33.61 |
| 20M+20MHz | Low  | QPSK  | 37.23 | 38.67 |
|           | Low  | 16QAM | 37.36 | 38.68 |
|           | Low  | 64QAM | 37.26 | 38.65 |
|           | Mid  | QPSK  | 37.22 | 38.70 |
|           | Mid  | 16QAM | 37.39 | 38.67 |
|           | Mid  | 64QAM | 37.31 | 38.73 |
|           | High | QPSK  | 37.30 | 38.75 |
|           | High | 16QAM | 37.34 | 38.70 |
|           | High | 64QAM | 37.34 | 38.70 |

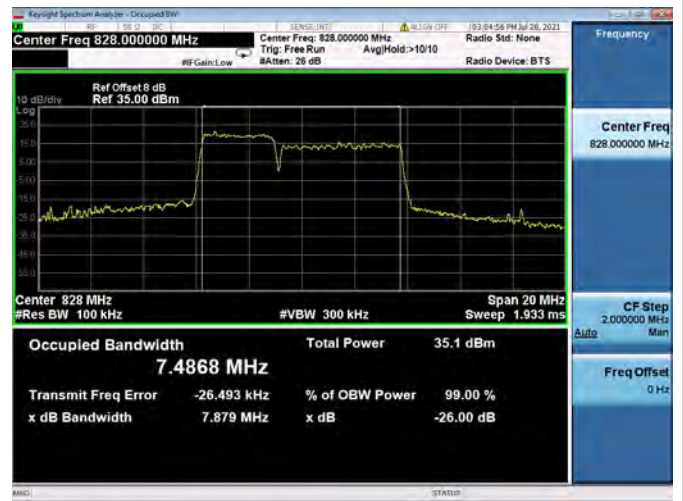


## LTE Band 5B

## 3MHz+5MHz / QPSK / LCH



## 3MHz+5MHz / 16QAM / LCH



## 3MHz+5MHz / 64QAM / LCH



## 3MHz+5MHz / QPSK / MCH



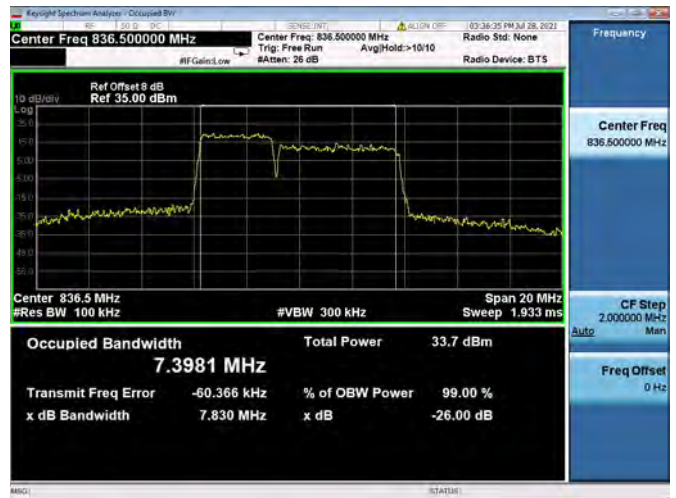




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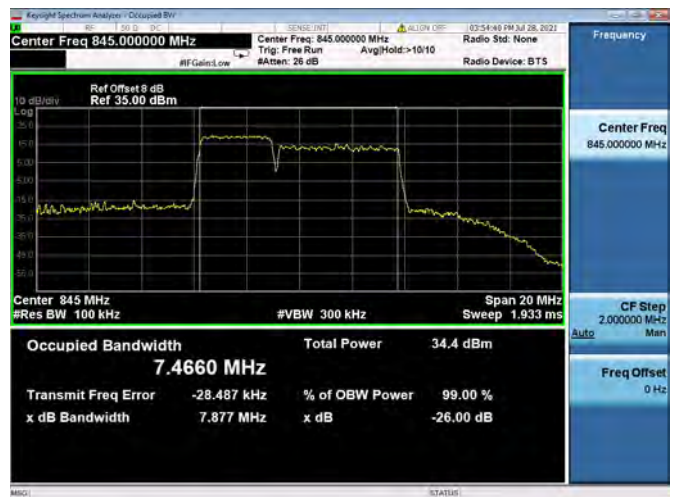
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## 3MHz+5MHz / QPSK / HCH



## 3MHz+5MHz / 16QAM / HCH



## 3MHz+5MHz / 64QAM / HCH



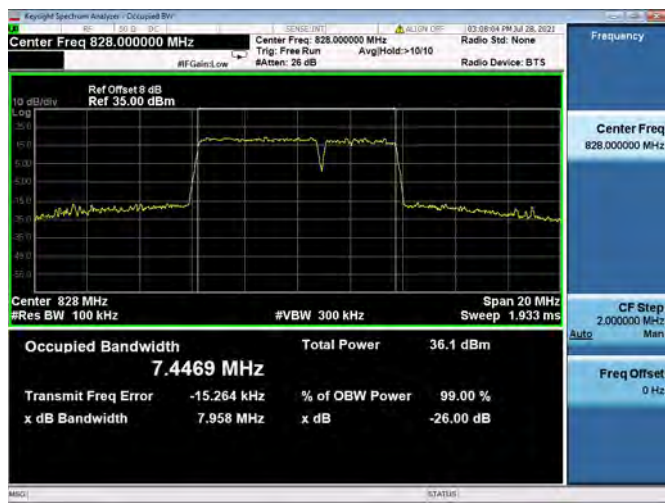
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## LTE Band 5B

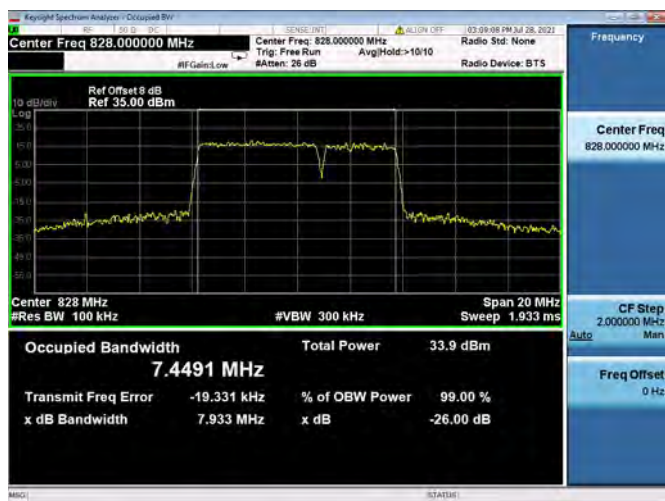
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## 5MHz+3MHz / 16QAM / LCH



## 5MHz+3MHz / 64QAM / LCH



## 5MHz+3MHz / QPSK / MCH

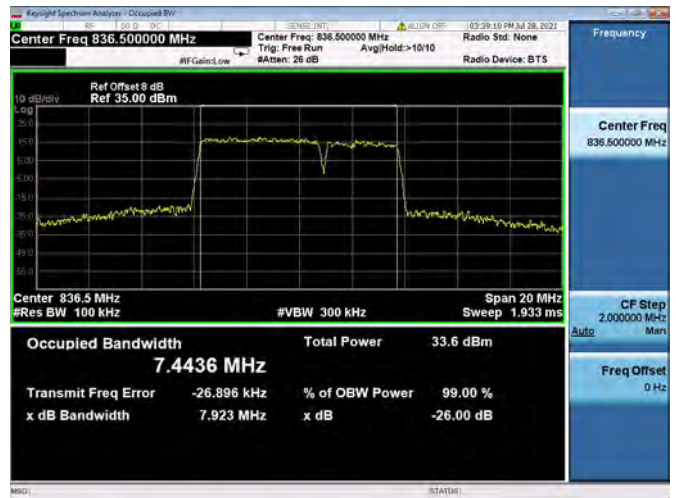




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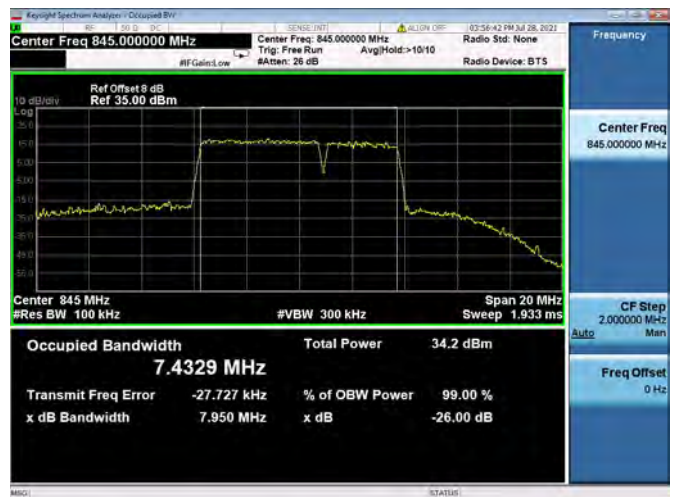
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## 5MHz+3MHz / QPSK / HCH



## 5MHz+3MHz / 16QAM / HCH



## 5MHz+3MHz / 64QAM / HCH

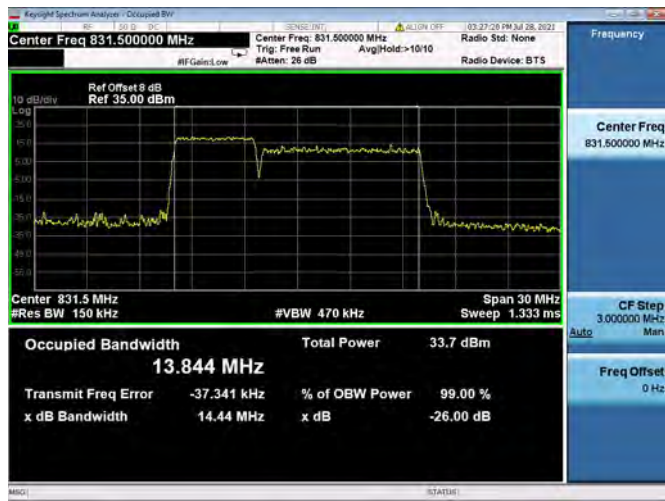


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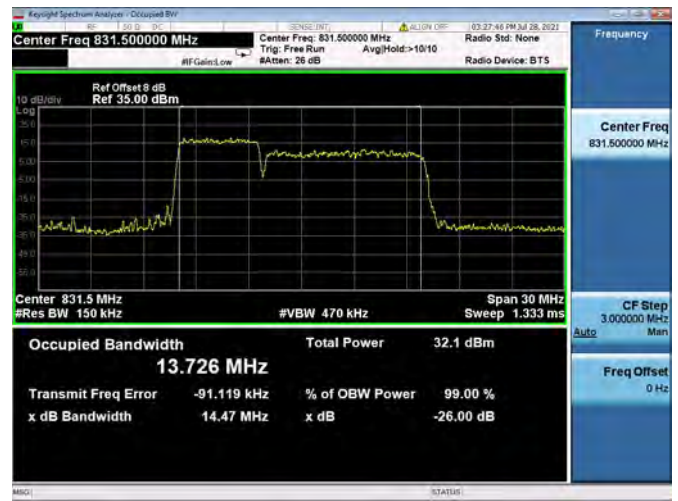


## LTE Band 5B

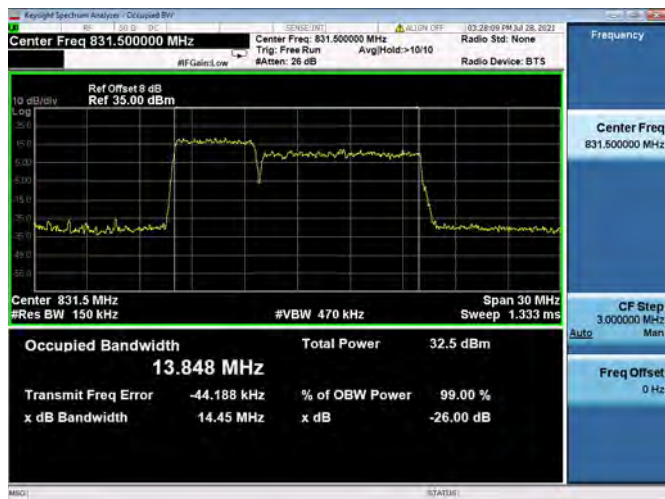
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## 5MHz+10MHz / 16QAM / LCH



## 5MHz+10MHz / 64QAM / LCH



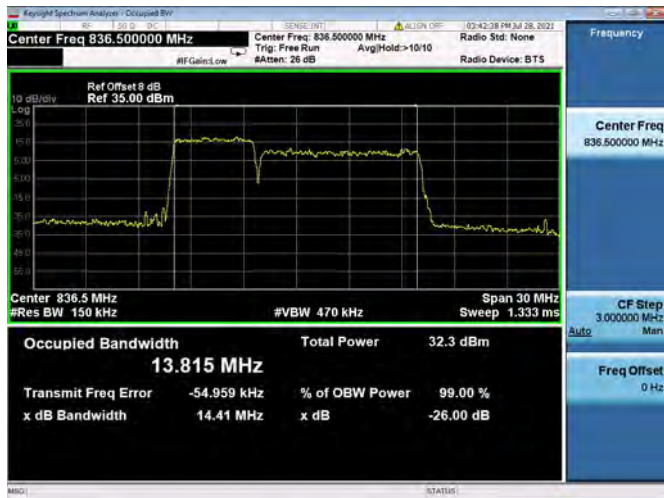
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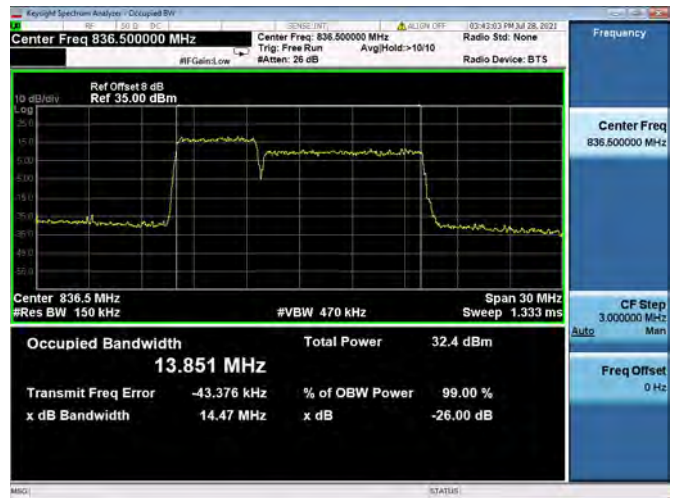




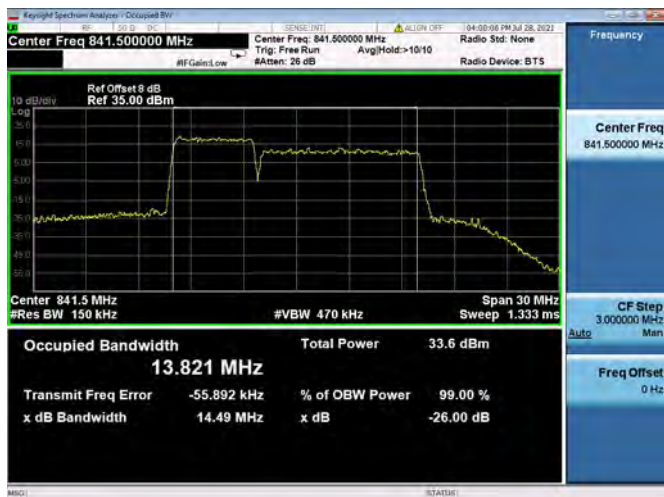
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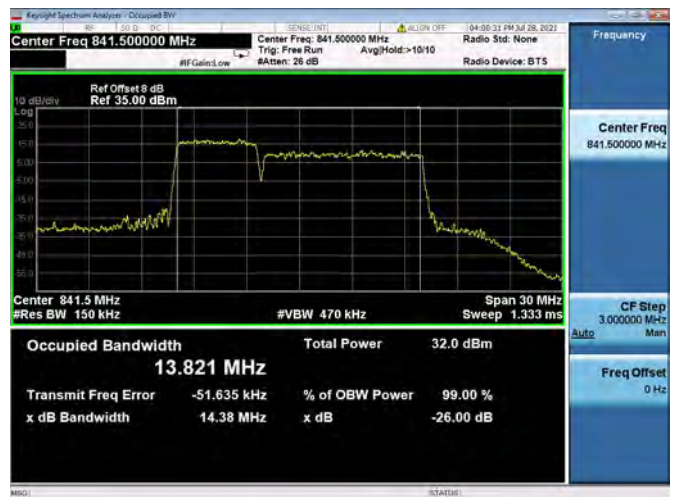
## 5MHz+10MHz / 64QAM / MCH



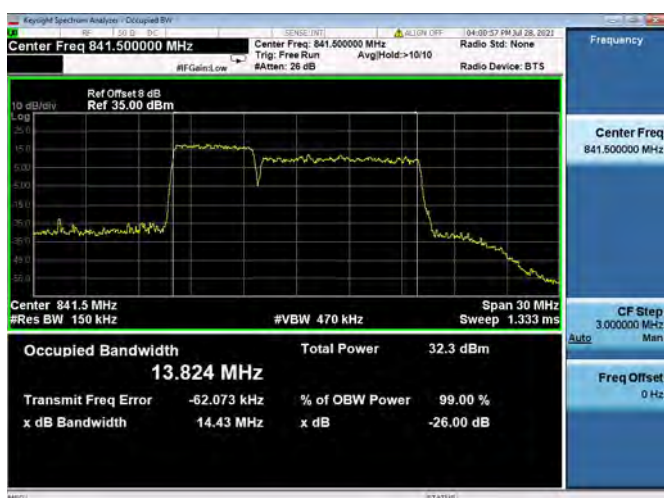
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## 5MHz+10MHz / 16QAM / HCH



## 5MHz+10MHz / 64QAM / HCH

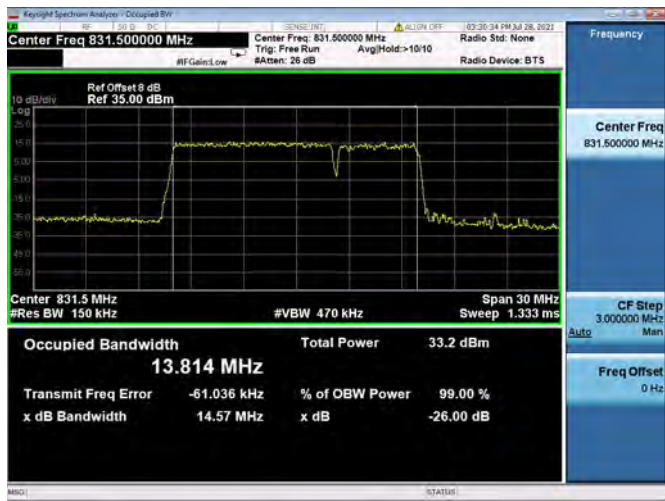


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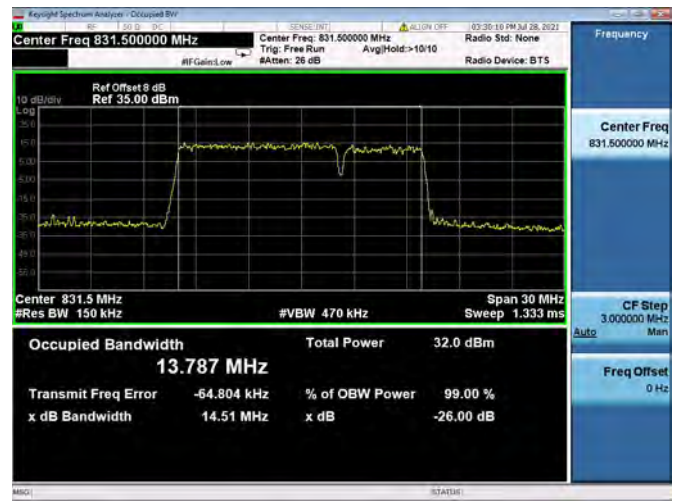


## LTE Band 5B

## 10MHz+5MHz / QPSK / LCH



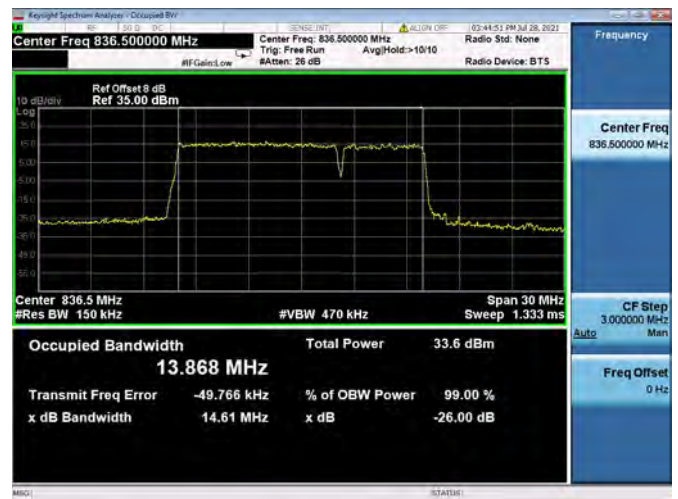
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## 10MHz+5MHz / 64QAM / LCH



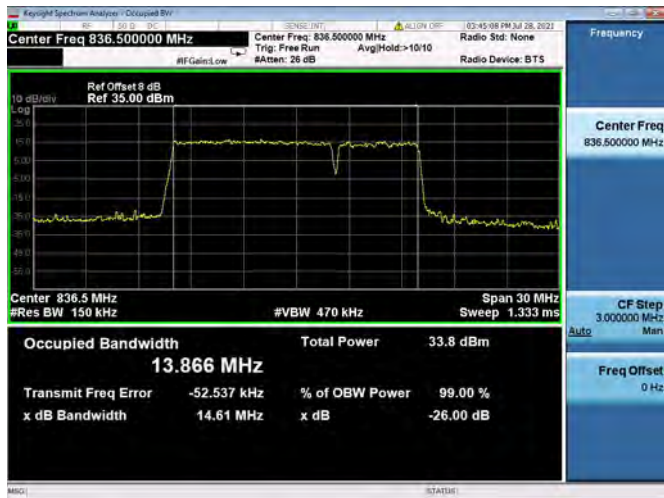
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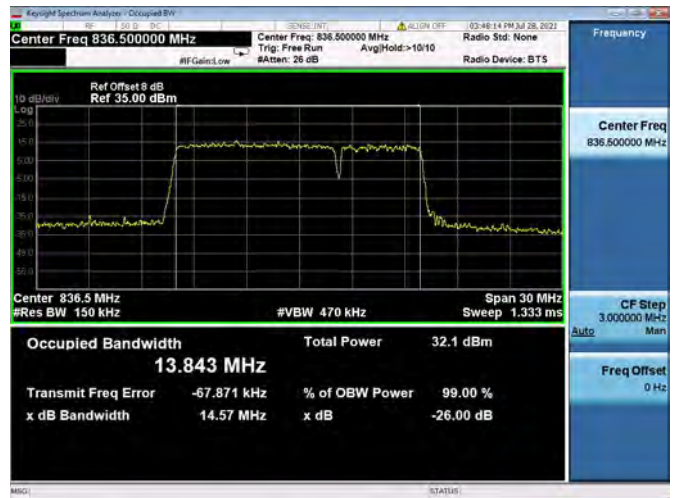




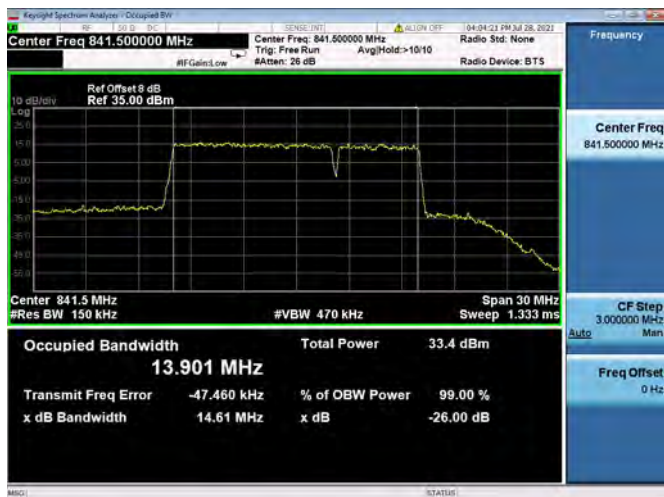
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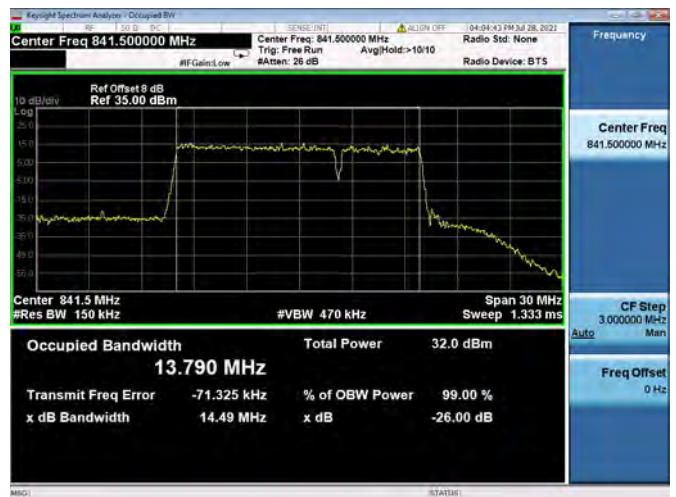
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## 10MHz+5MHz / QPSK / HCH



## 10MHz+5MHz / 16QAM / HCH



## 10MHz+5MHz / 64QAM / HCH



N/A



## LTE Band 5B

## 10MHz+10MHz / QPSK / LCH



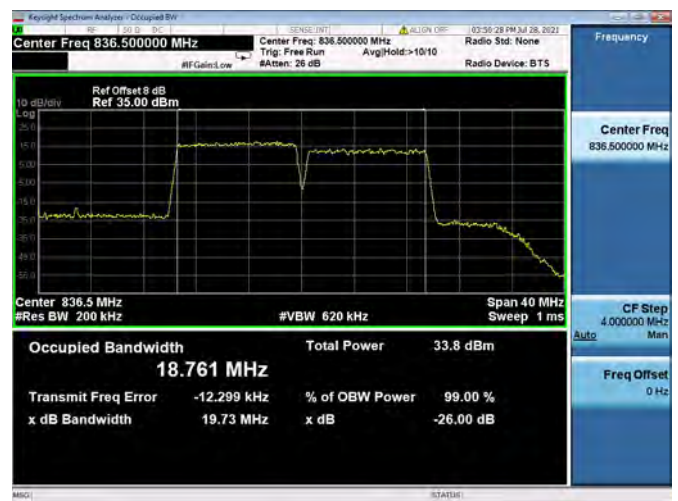
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## 10MHz+10MHz / 64QAM / LCH



## 10MHz+10MHz / QPSK / MCH



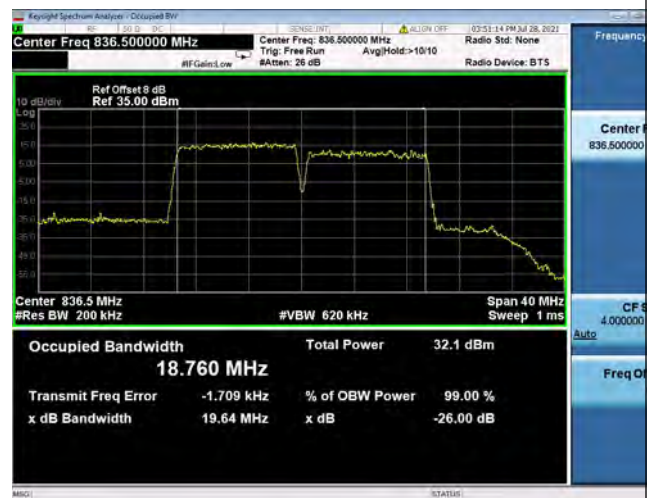




## 10MHz+10MHz / 16QAM / MCH



## 10MHz+10MHz / 64QAM / MCH



## 10MHz+10MHz / QPSK / HCH



## 10MHz+10MHz / 16QAM / HCH



## 10MHz+10MHz / 64QAM / HCH



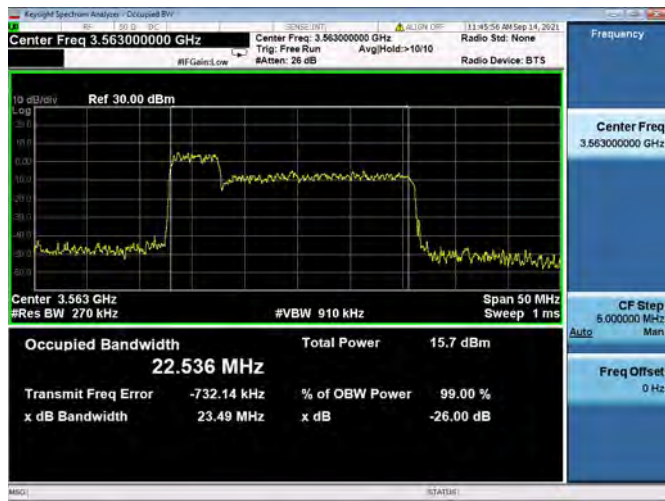
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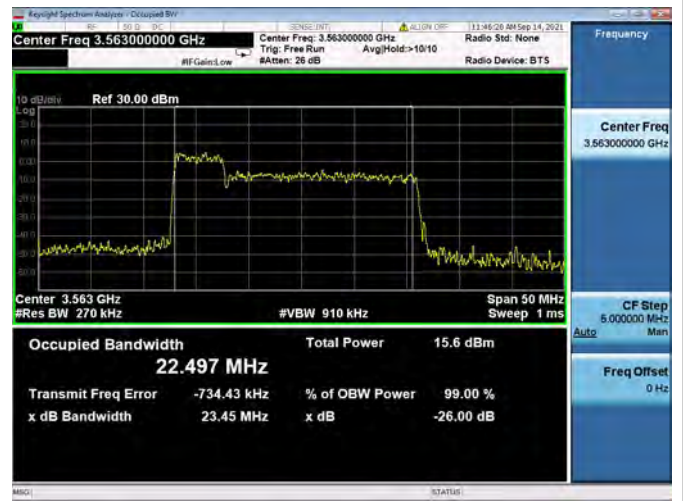


## LTE Band 48C

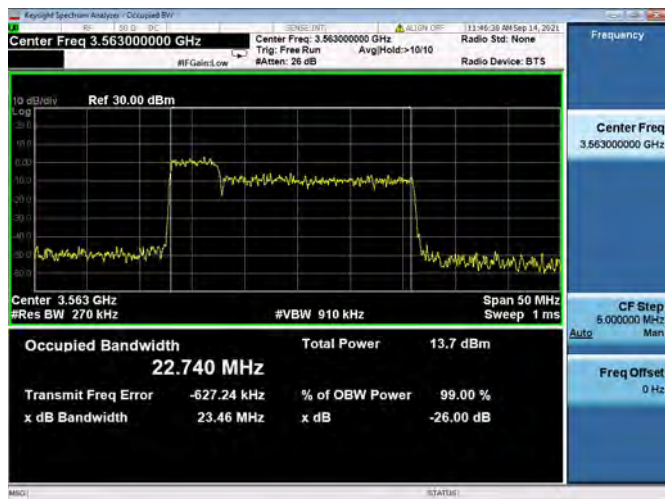
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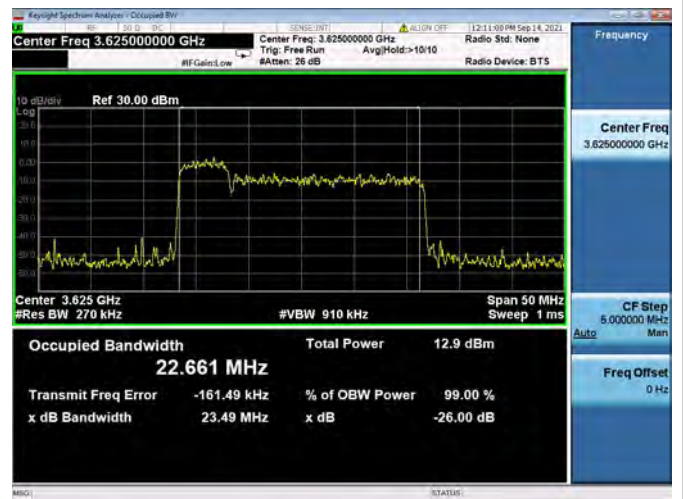
## 5MHz+20MHz / 16QAM / LCH



## 5MHz+20MHz / / L64QAMCH

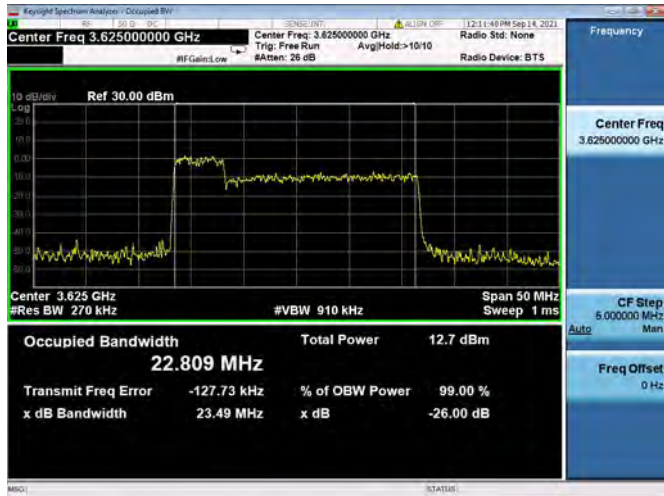


## 5MHz+20MHz / QPSK / MCH

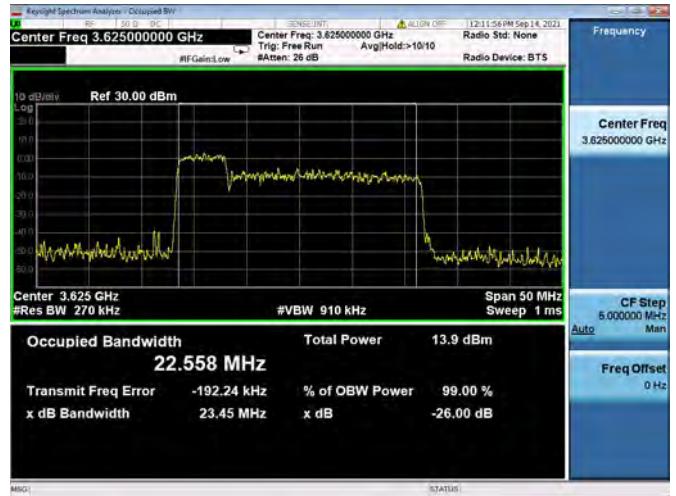




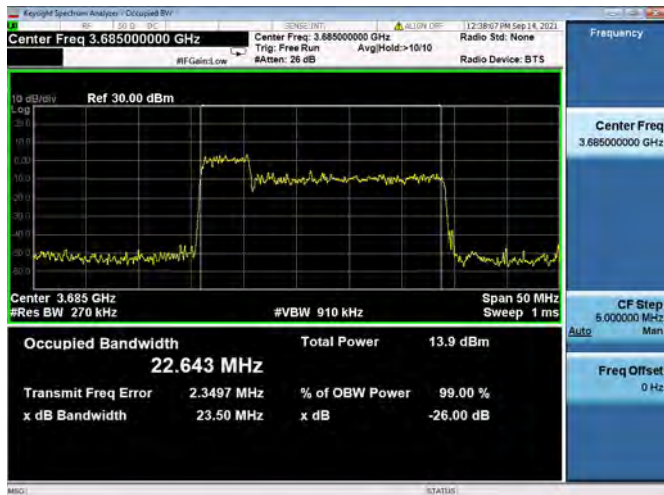
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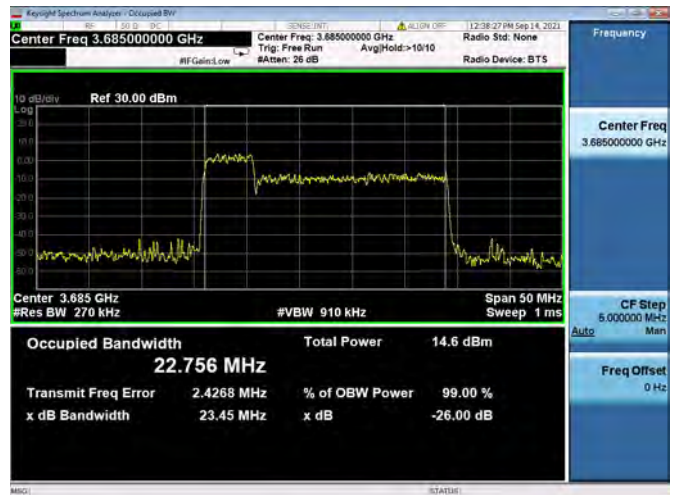
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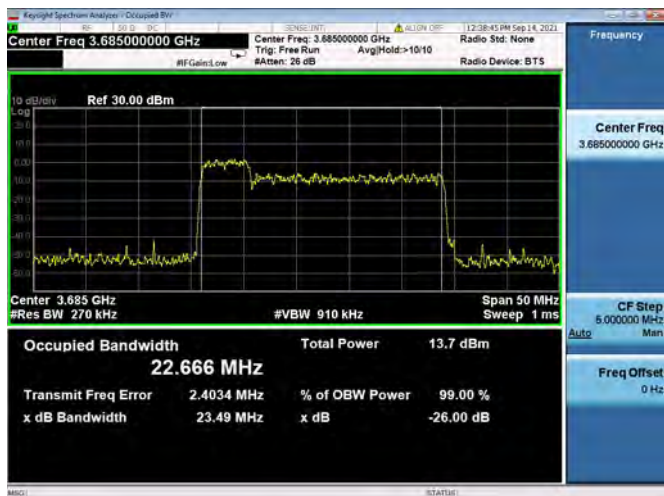
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## 5MHz+20MHz / 16QAM / HCH



## 5MHz+20MHz / 64QAM / HCH



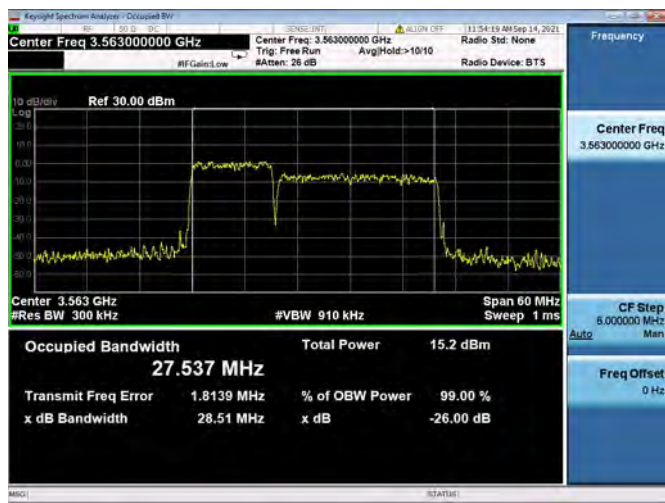
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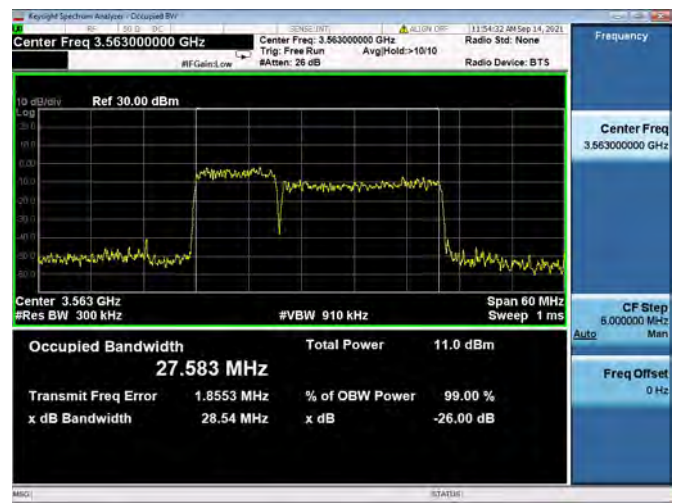


## LTE Band 48C

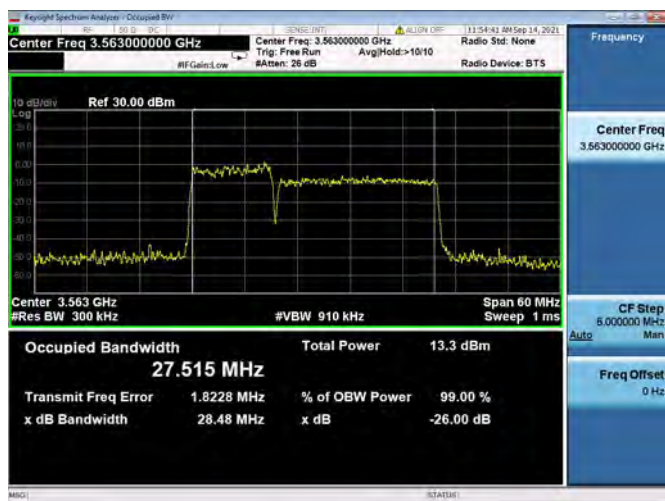
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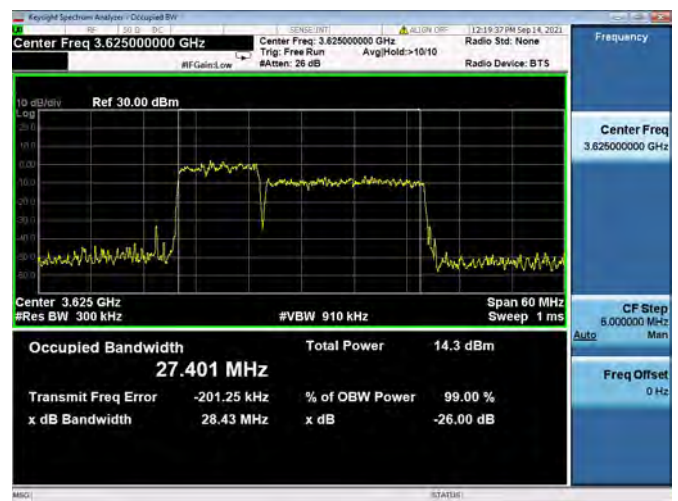
## 10MHz+20MHz / 16QAM / LCH



## 10MHz+20MHz / 64QAM / LCH



## 10MHz+20MHz / QPSK / MCH



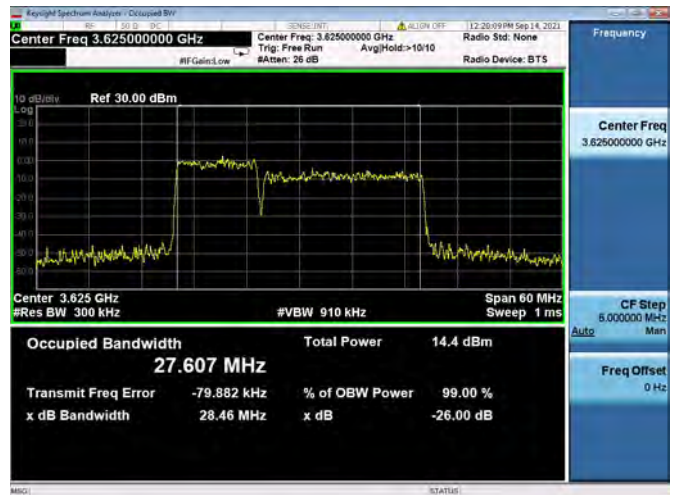


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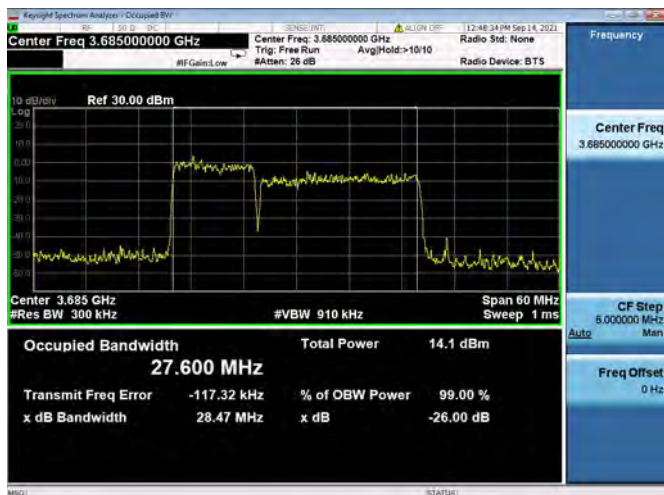
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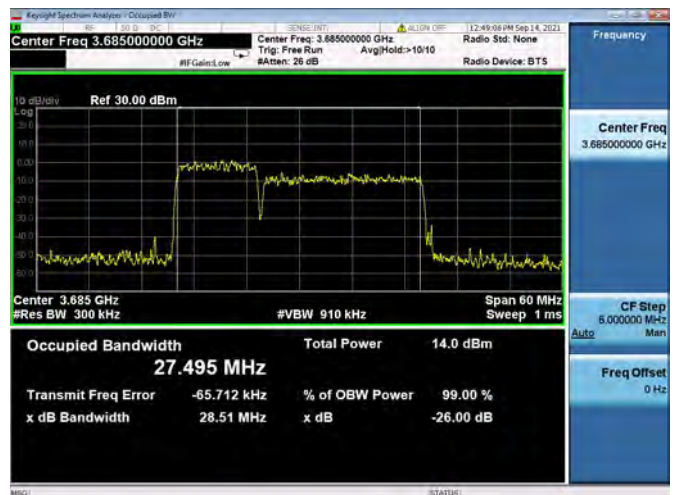
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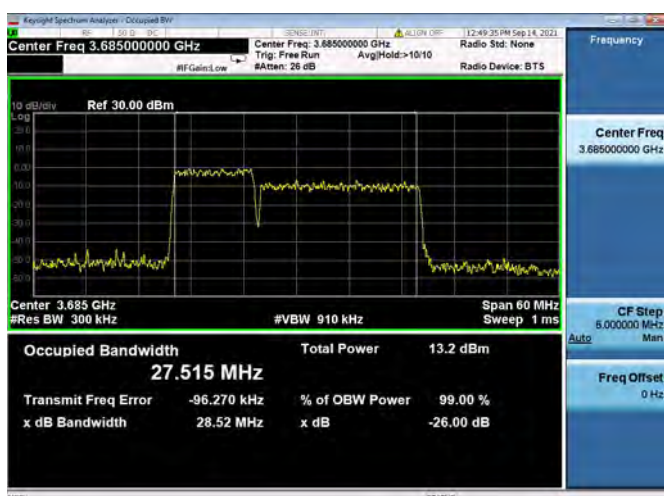
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## 10MHz+20MHz / 16QAM / HCH



## 10MHz+20MHz / 64QAM / HCH



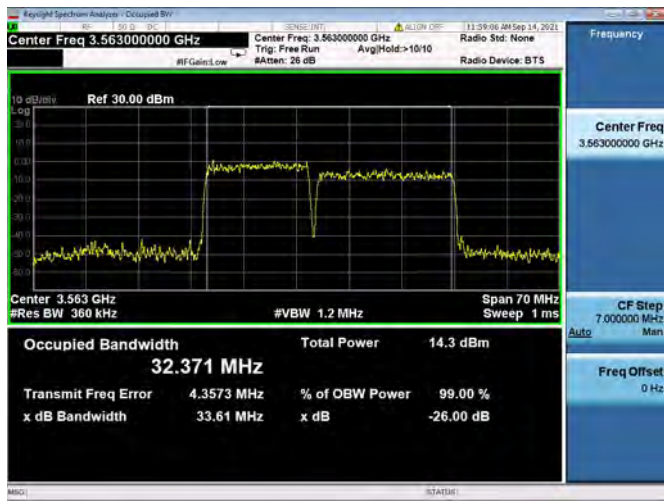
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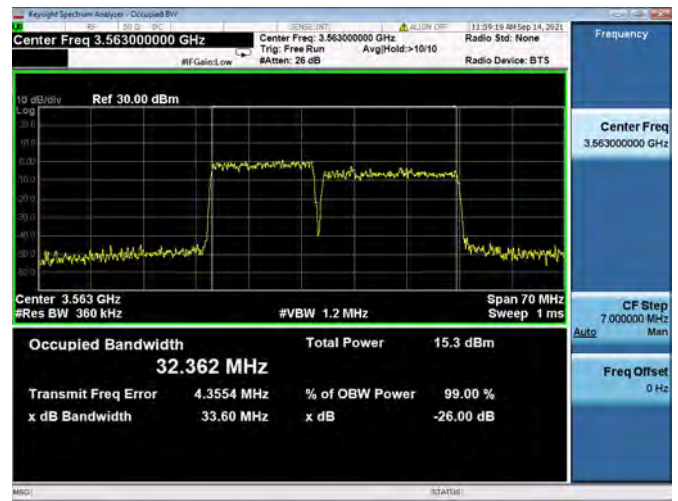


## LTE Band 48C

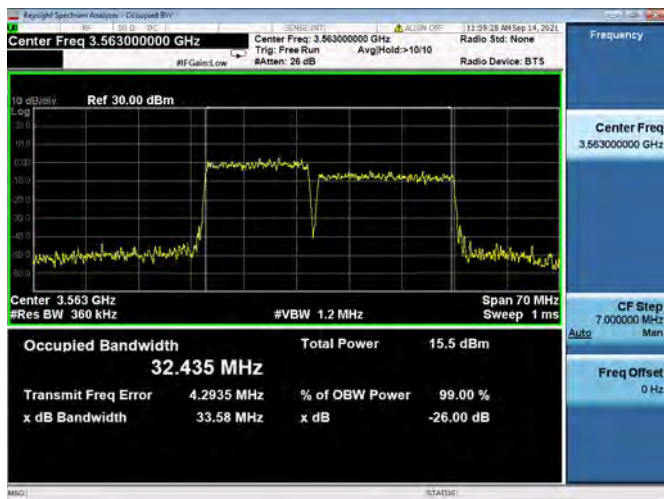
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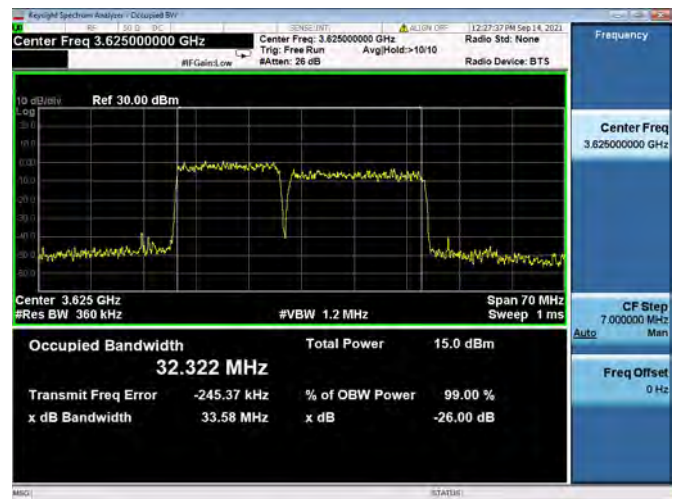
## 15MHz+20MHz / 16QAM / LCH



## 15MHz+20MHz / 64QAM/ LCH

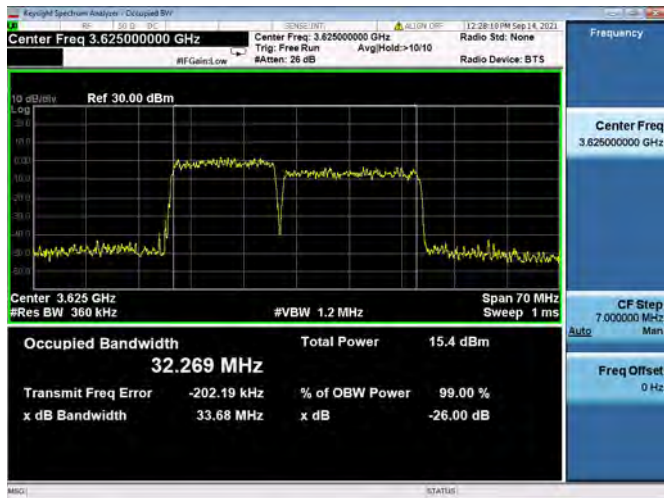


## 15MHz+20MHz / QPSK / MCH

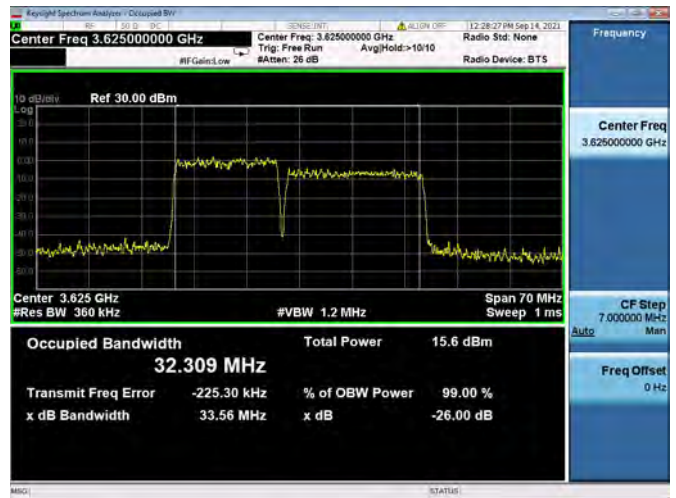




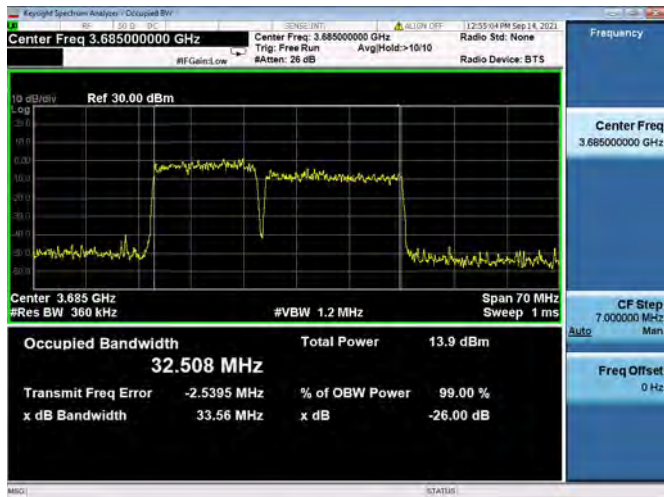
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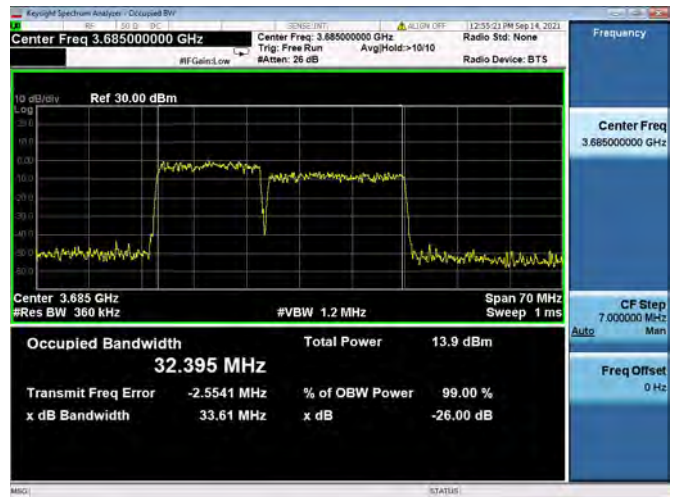
## 15MHz+20MHz / 64QAM / MCH



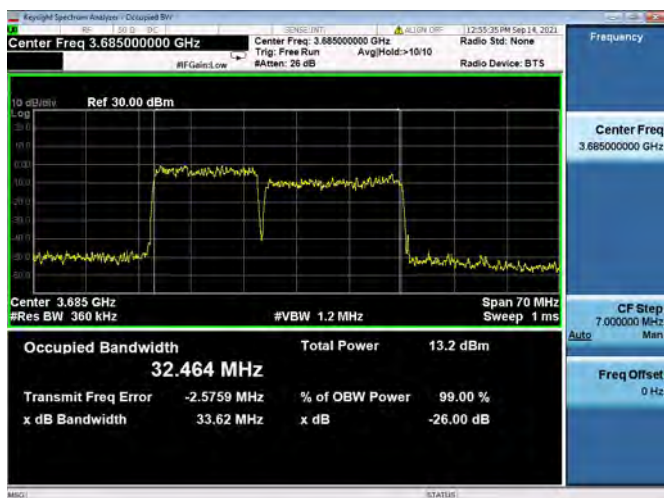
## 15MHz+20MHz / QPSK / HCH



## 15MHz+20MHz / 16QAM / HCH



## 15MHz+20MHz / 64QAM / HCH



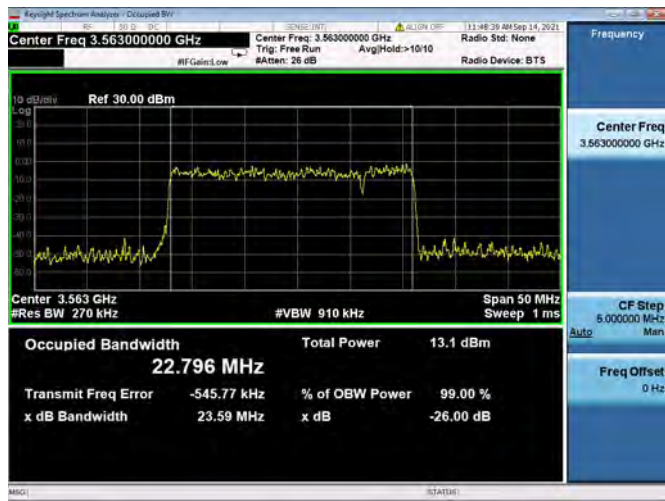
N/A



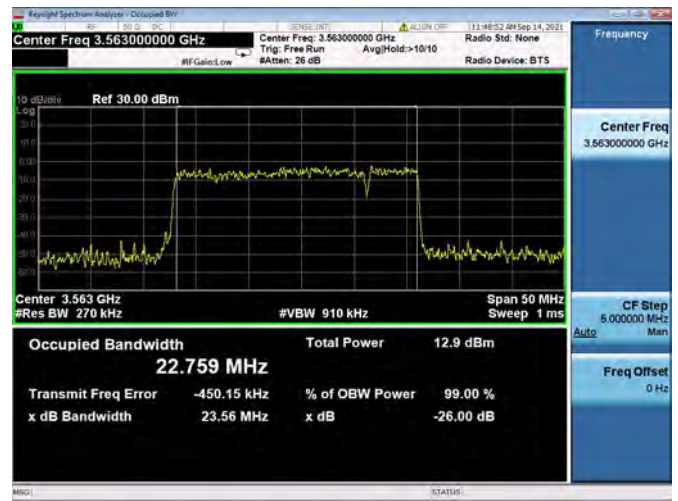


## LTE Band 48C

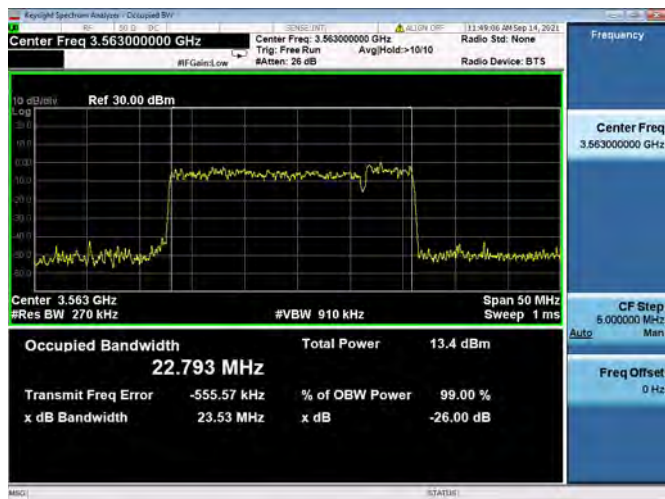
## 20MHz+5MHz /QPSK / LCH



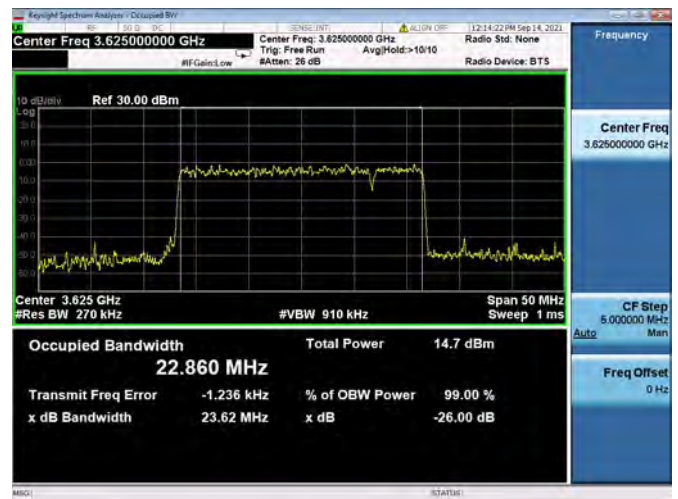
## 20MHz+5MHz / 16QAM / LCH



## 20MHz+5MHz /64QAM / LCH

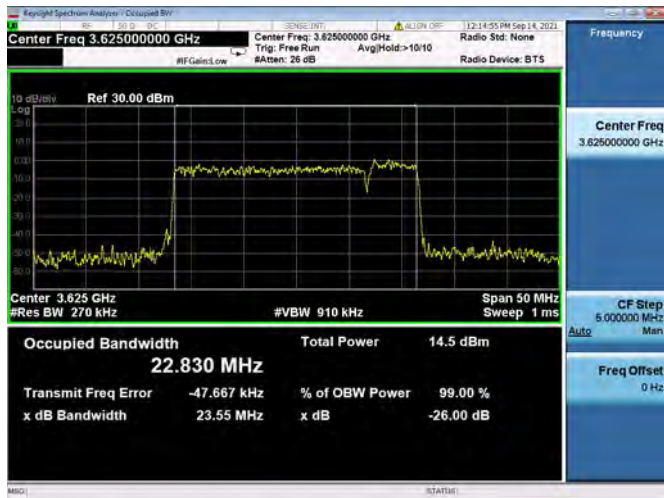


## 20MHz+5MHz / QPSK / MCH

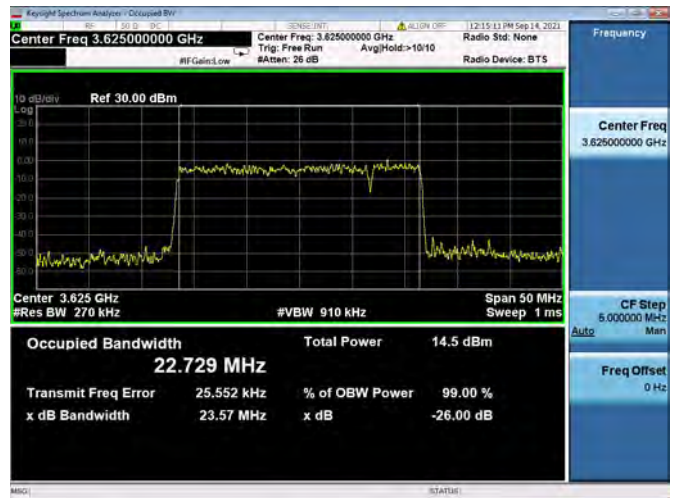




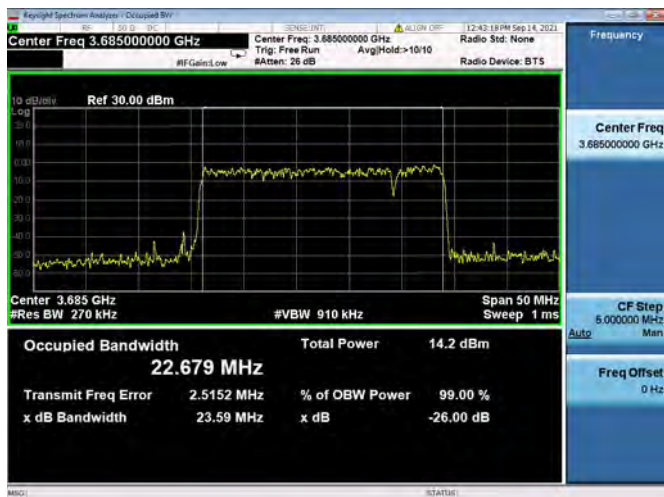
## 20MHz+5MHz / 16QAM / MCH



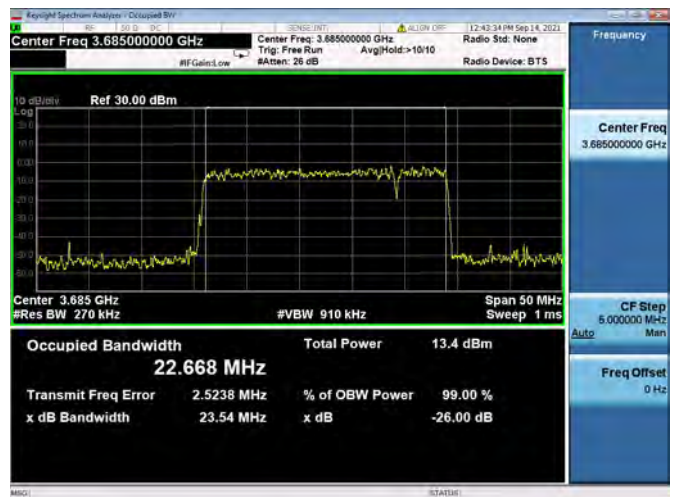
## 20MHz+5MHz / 64QAM / MCH



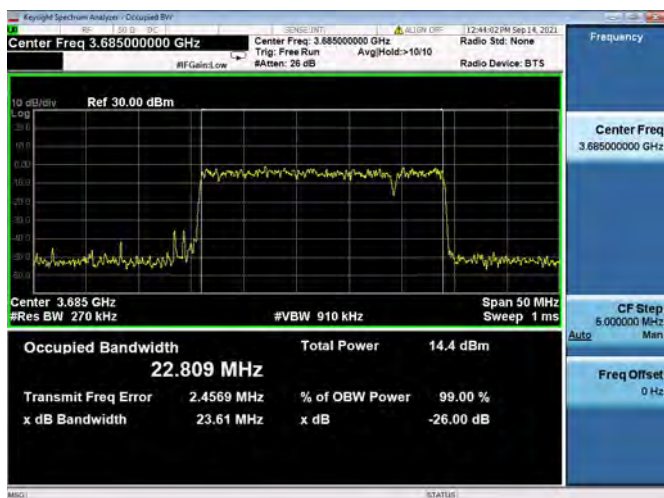
## 20MHz+5MHz / QPSK / HCH



## 20MHz+5MHz / 16QAM / HCH



## 20MHz+5MHz / 64QAM / HCH



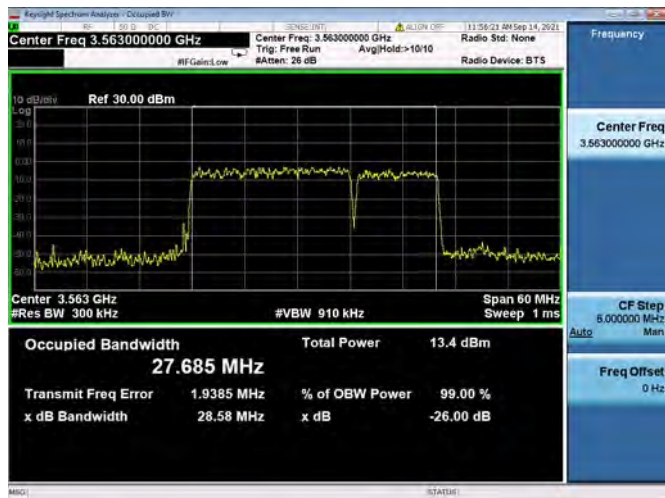
N/A



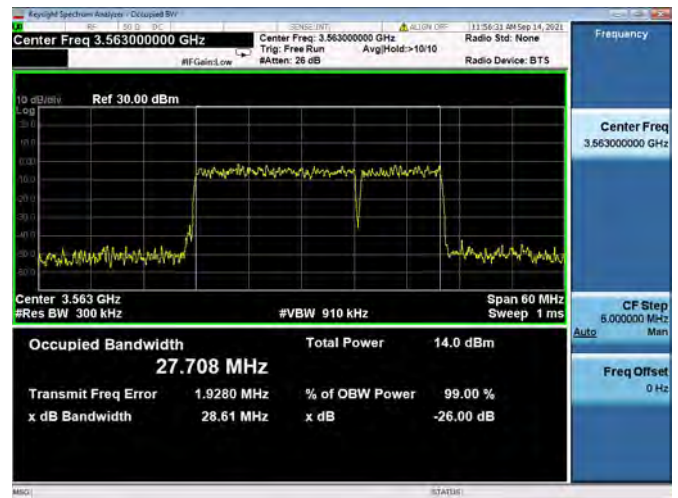


## LTE Band 48C

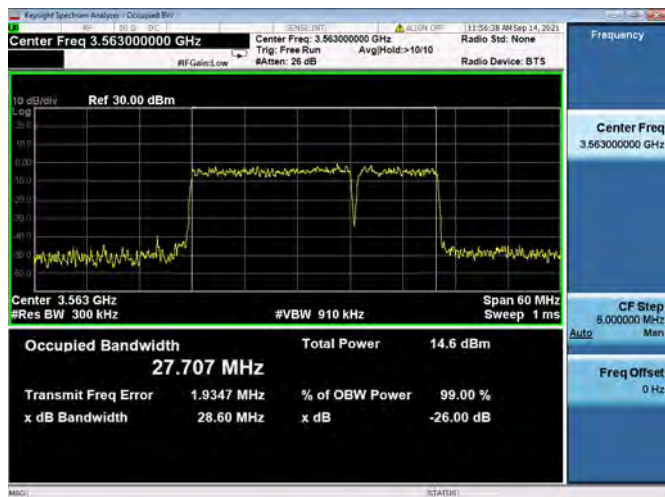
## 20MHz+10MHz /QPSK / LCH



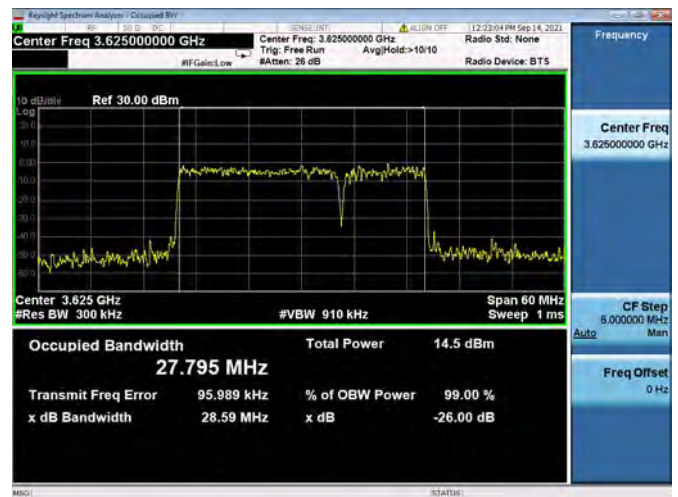
## 20MHz+10MHz / 16QAM / LCH



## 20MHz+10MHz / 64QAM / LCH

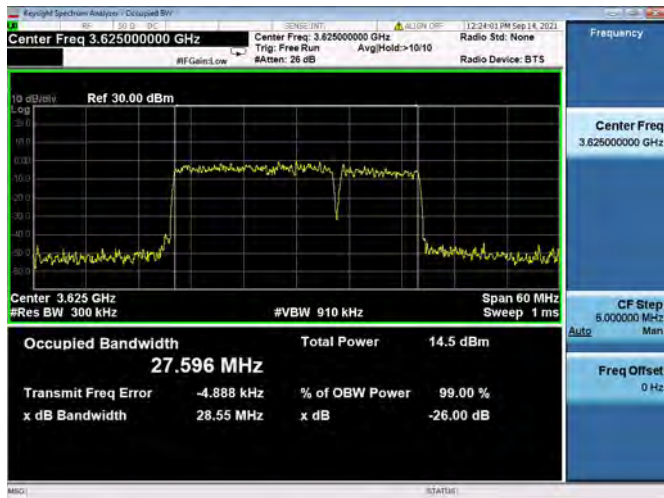


## 20MHz+10MHz / QPSK / MCH

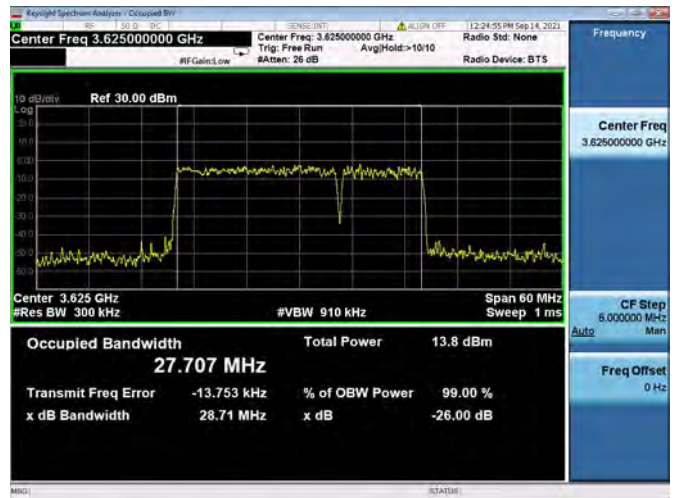




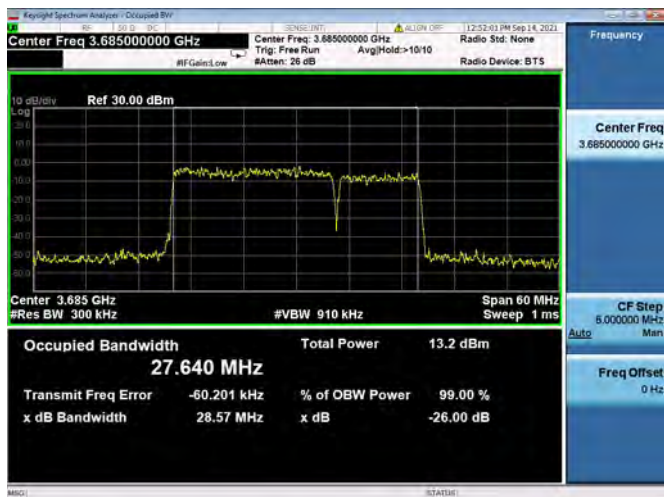
## 20MHz+10MHz / 16QAM / MCH



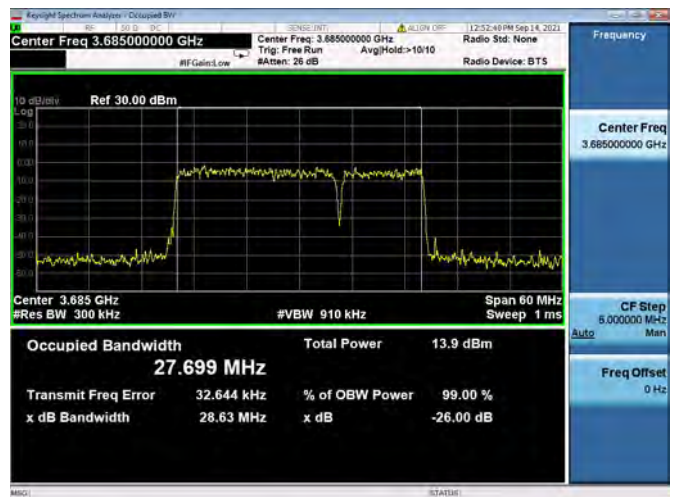
## 20MHz+10MHz / 64QAM / MCH



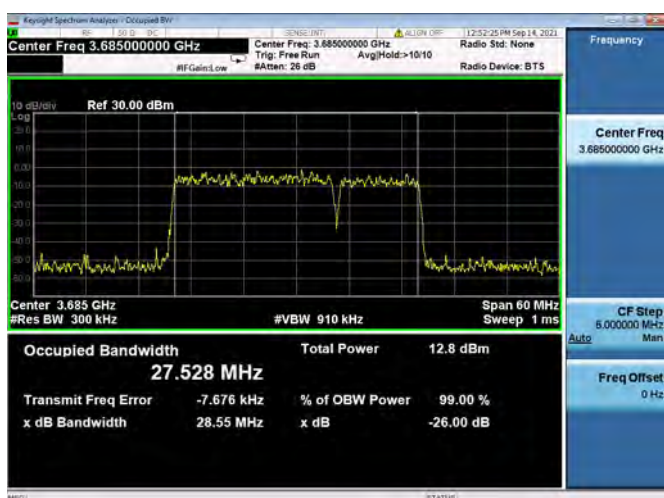
## 20MHz+10MHz / QPSK / HCH



## 20MHz+10MHz / 16QAM / HCH



## 20MHz+10MHz / 64QAM / HCH



N/A





## LTE Band 48C

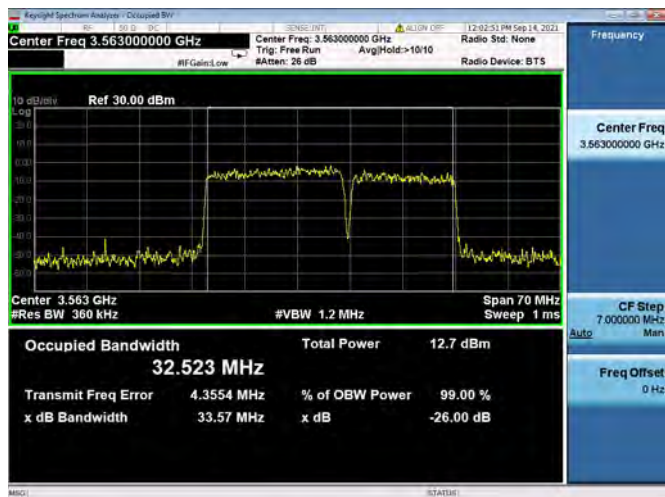
## 20MHz+15MHz /QPSK / LCH



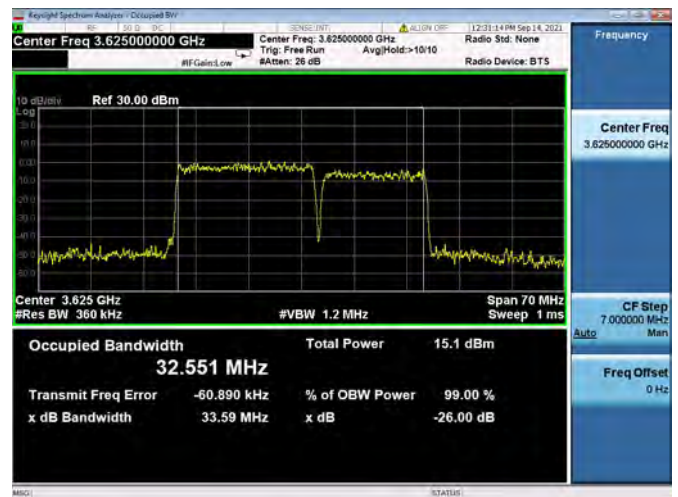
## 20MHz+15MHz / 16QAM / LCH



## 20MHz+15MHz / 64QAM / LCH



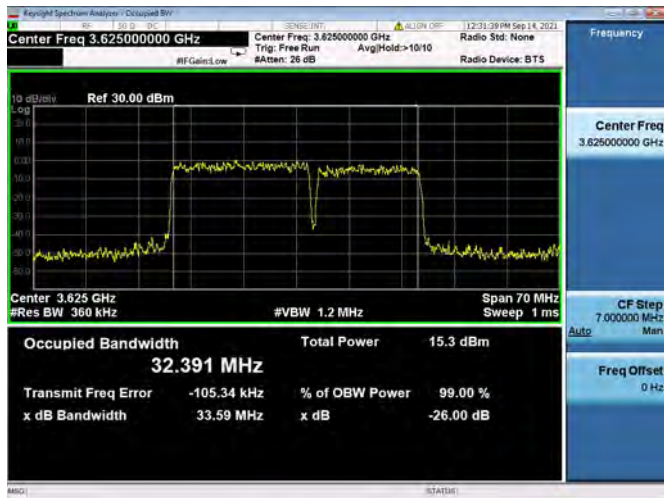
## 20MHz+15MHz / QPSK / MCH



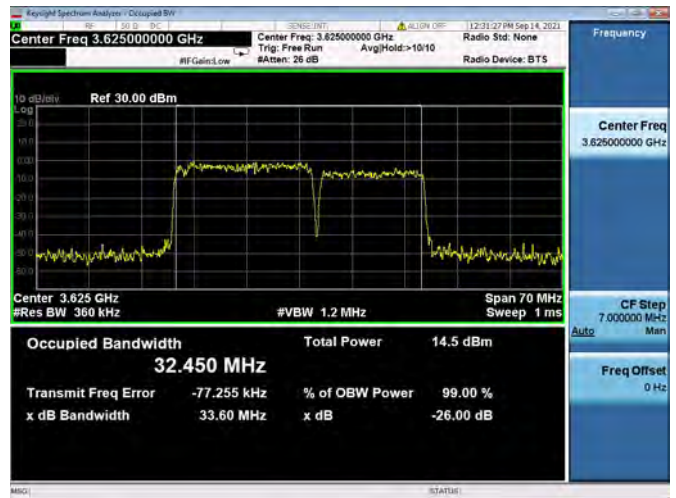




## 20MHz+15MHz / 16QAM / MCH



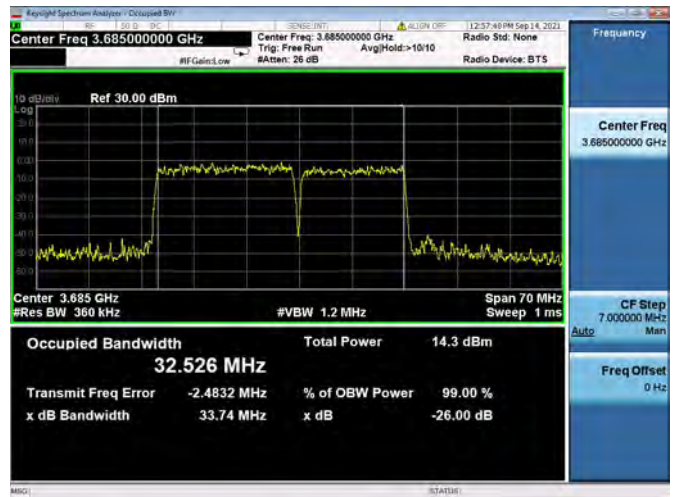
## 20MHz+15MHz / 64QAM / MCH



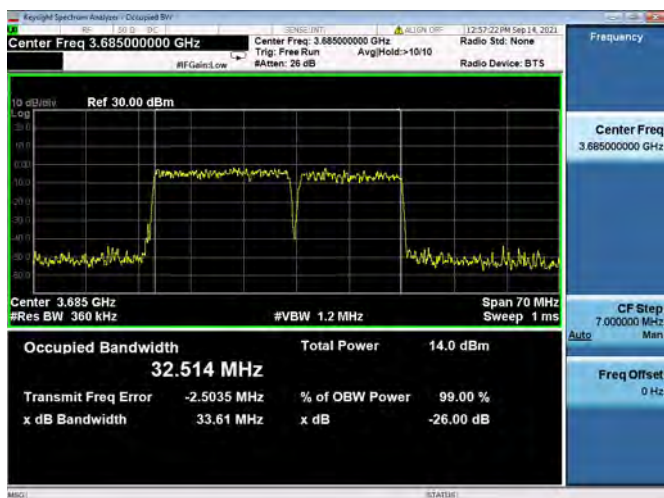
## 20MHz+15MHz / QPSK / HCH



## 20MHz+15MHz / 16QAM / HCH



## 20MHz+15MHz / 64QAM / HCH



N/A

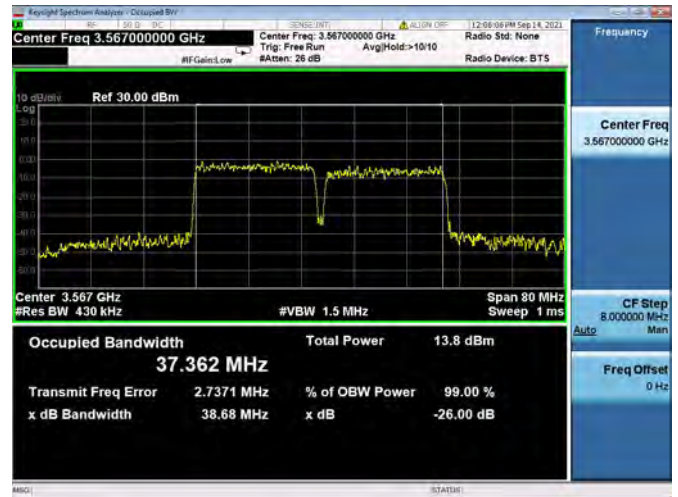


## LTE Band 48C

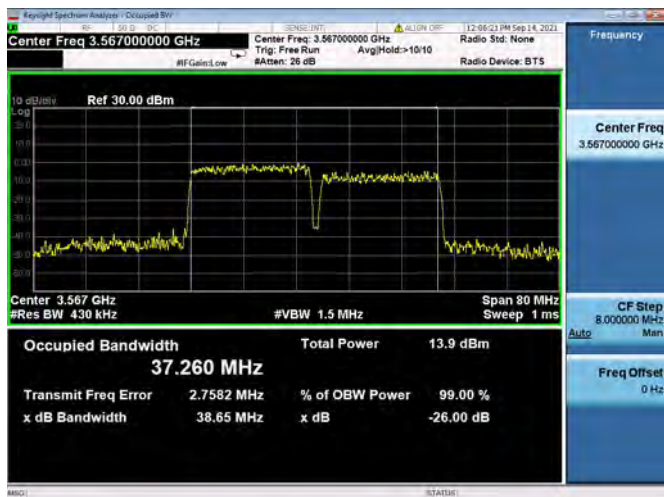
## 20MHz+20MHz / QPSK / LCH



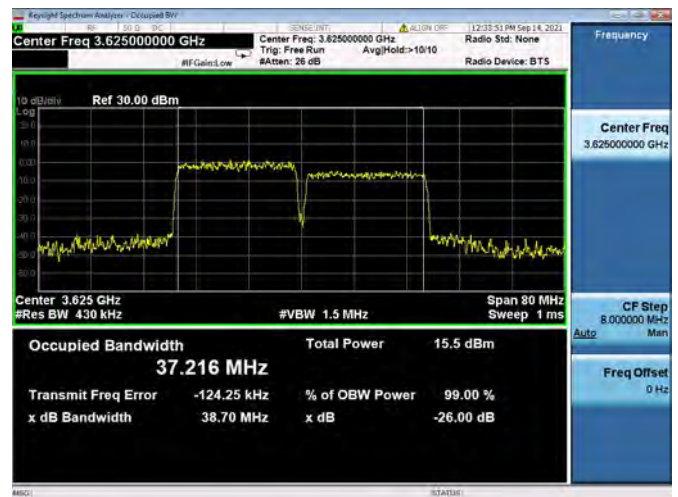
## 20MHz+20MHz / 16QAM / LCH



## 20MHz+20MHz / 64QAM / LCH



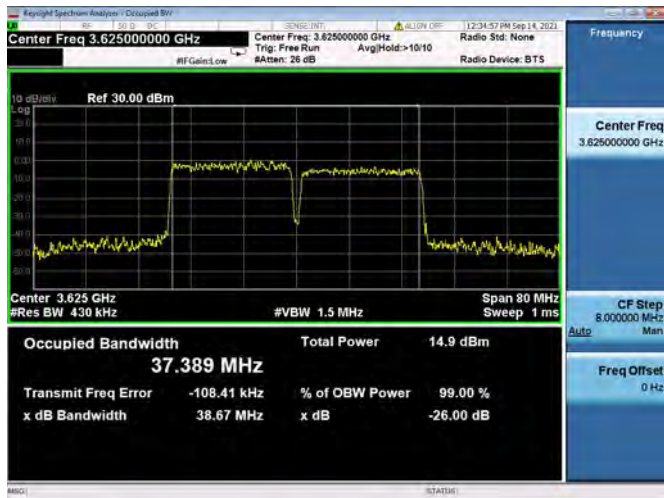
## 20MHz+20MHz / QPSK / MCH



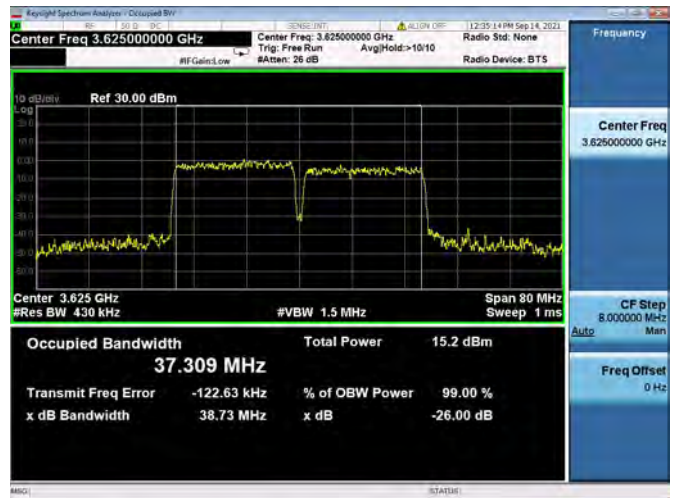




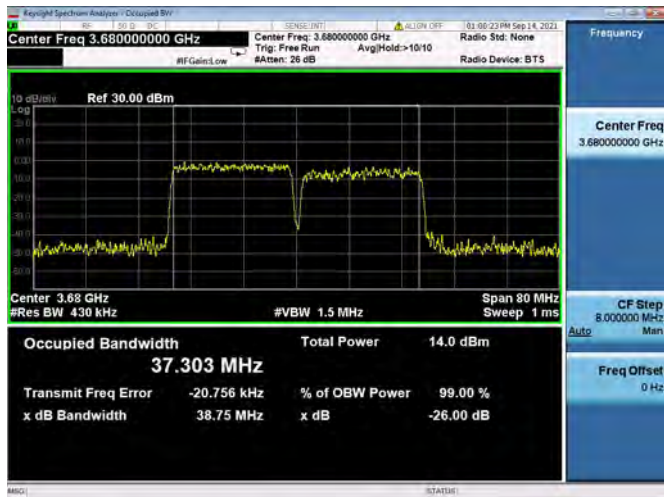
## 20MHz+20MHz / 16QAM / MCH



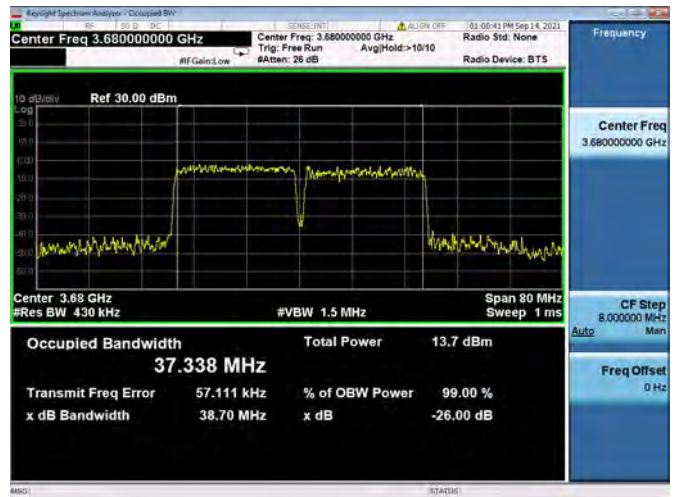
## 20MHz+20MHz / 64QAM / MCH



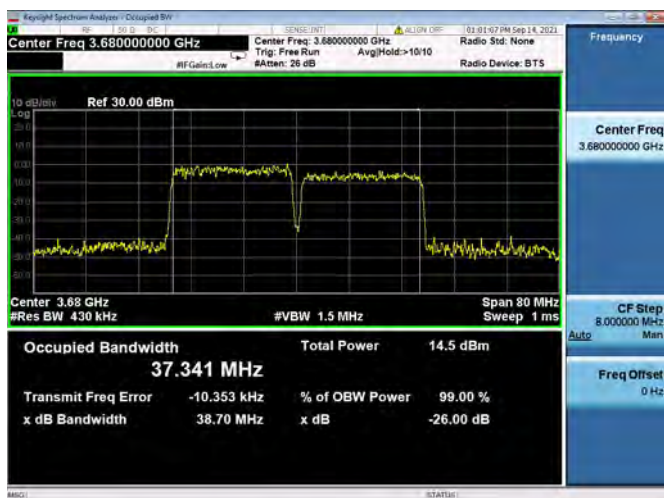
## 20MHz+20MHz / QPSK / HCH



## 20MHz+20MHz / 16QAM / HCH



## 20MHz+20MHz / 64QAM/HCH



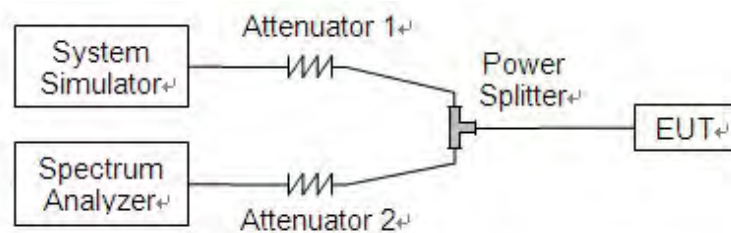
N/A

## 2.3. Conducted Spurious Emissions

### 2.3.1. Requirement

According to FCC section 2.1051, 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. This calculated to be -13dBm.

### 2.3.2. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

### 2.3.3. Test procedure

KDB 971168 D01v03 Section 6.0 and ANSI/TIA-603-E-2016.

### 2.3.4. Test Result

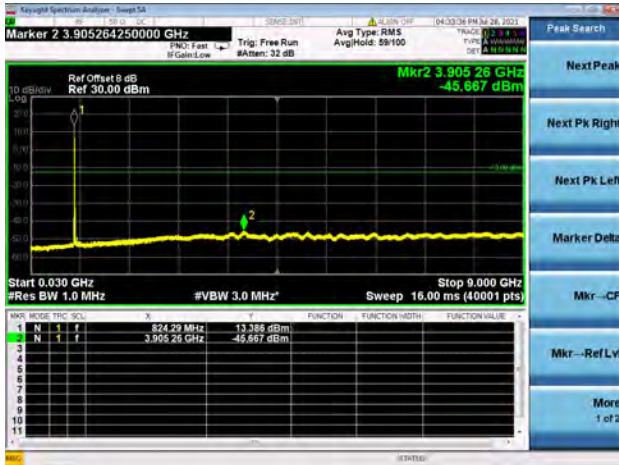




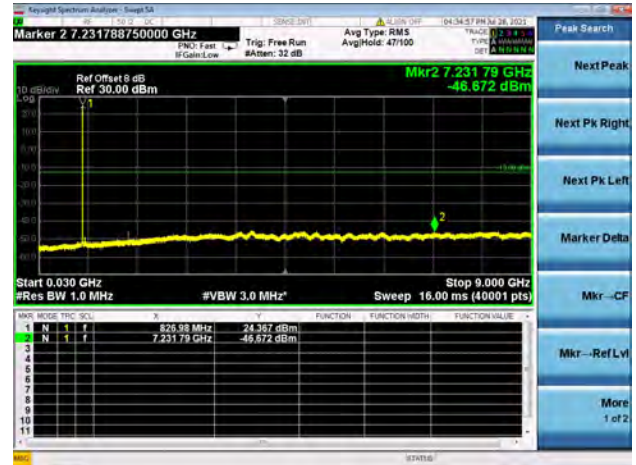
## LTE Band 5B CSE

Channel Bandwidth: 3MHz+5MHz

## LOW CH/QPSK/1RB0 and 1RB24



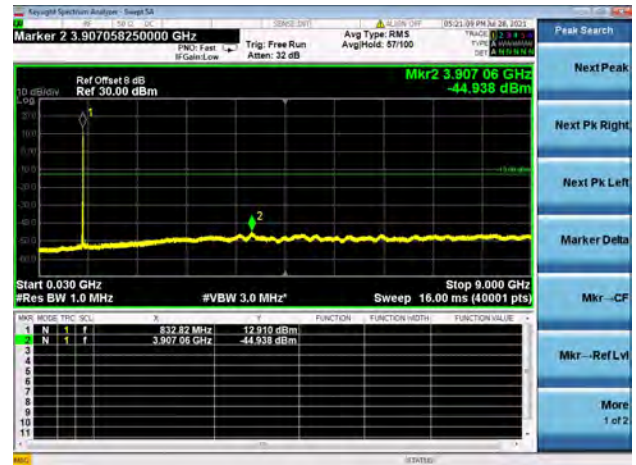
## LOW CH/QPSK/ 1RB14 and 1RB0



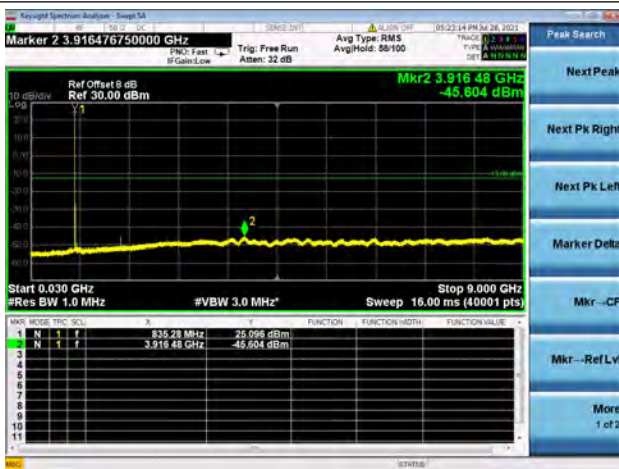
## LOW CH/QPSK/FULL RB



## Mid CH/QPSK/1RB0 and 1RB24



## Mid CH/QPSK/1RB14 and 1RB0

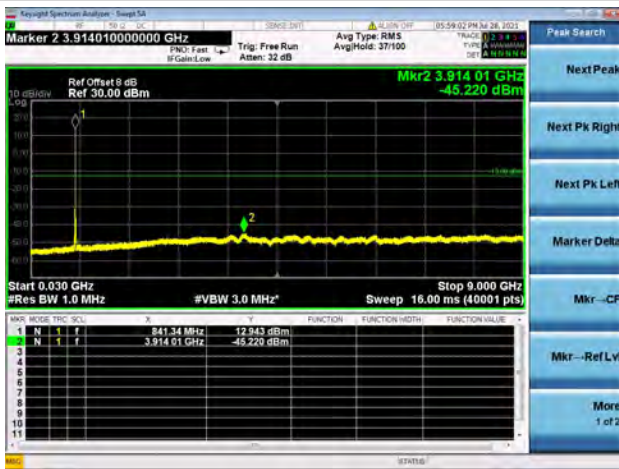


## Mid CH/QPSK/FULL RB

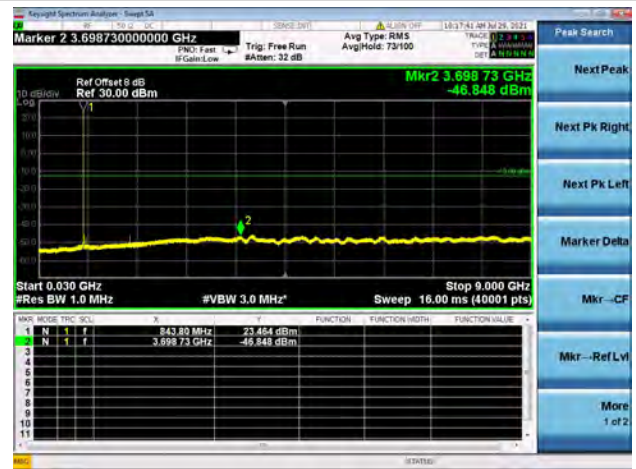




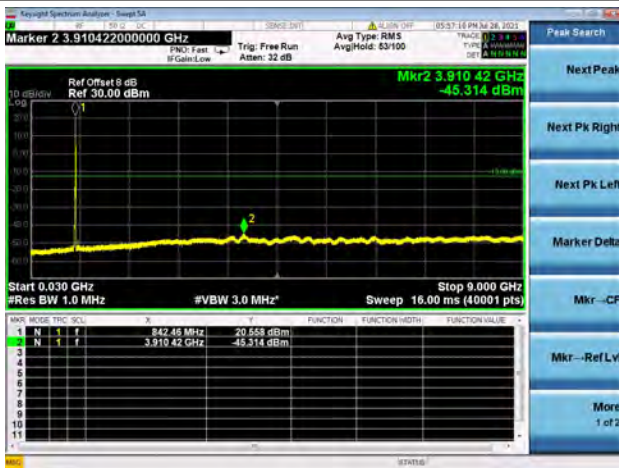
## High CH/QPSK/1RB0 and 1RB24



## High CH/QPSK/1RB14 and 1RB0



## High CH/QPSK/FULL RB



N/A

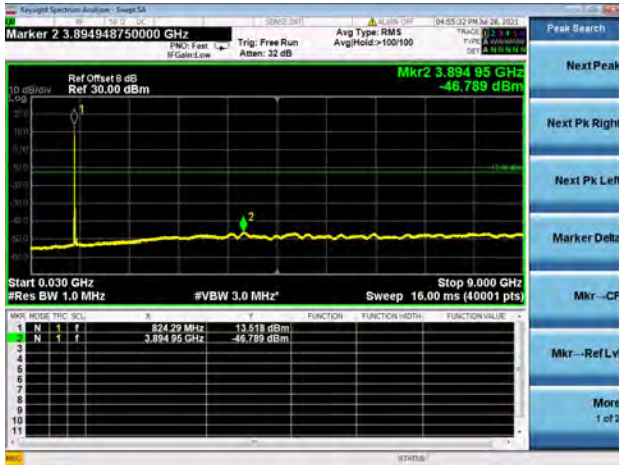




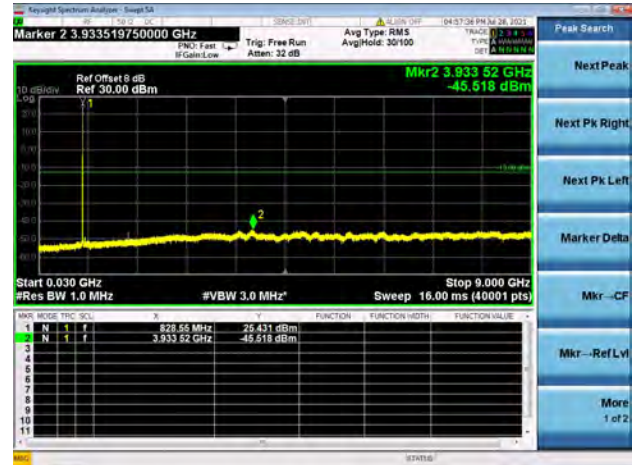
## LTE Band 5B CSE

Channel Bandwidth: 5MHz+3MHz

## LOW CH/QPSK/1RB0 and 1RB14



## LOW CH/QPSK/1RB24 and 1RB0



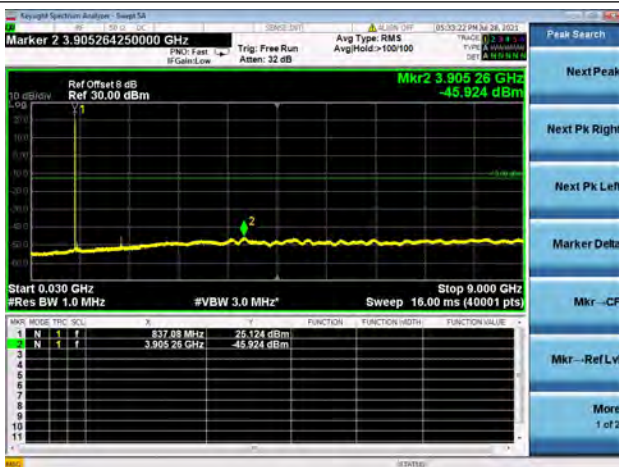
## LOW CH/QPSK/FULL RB



## Mid CH/QPSK/1RB0 and 1RB14



## Mid CH/QPSK/1RB24 and 1RB0

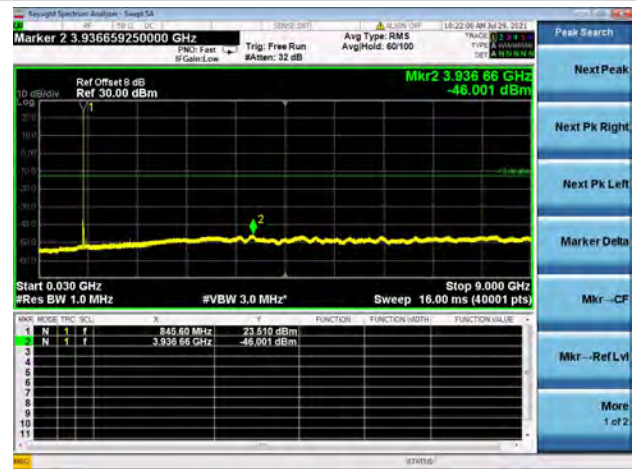


## Mid CH/QPSK/FULL RB

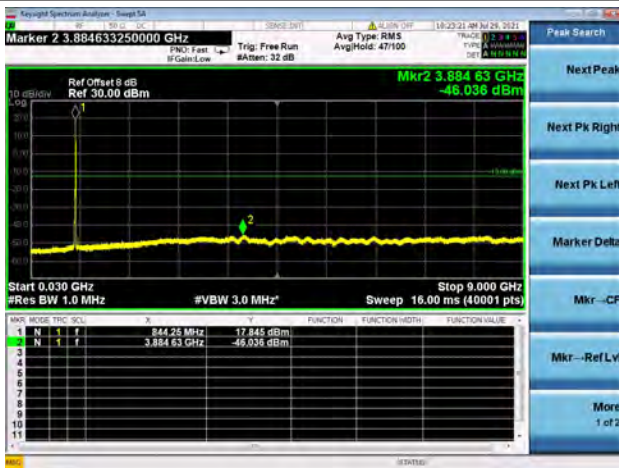




## High CH/QPSK/1RB24 and 1RB0



N/A



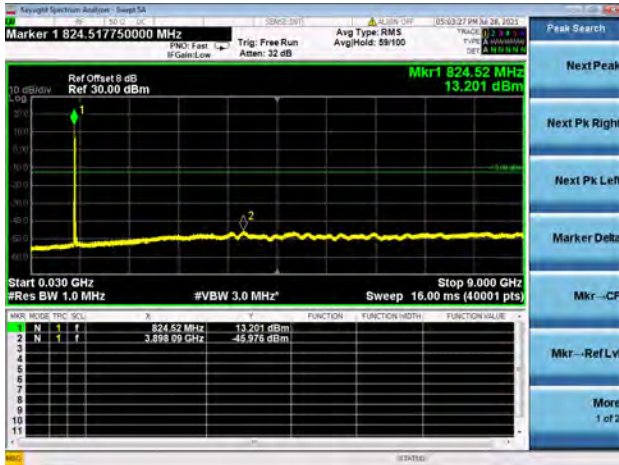




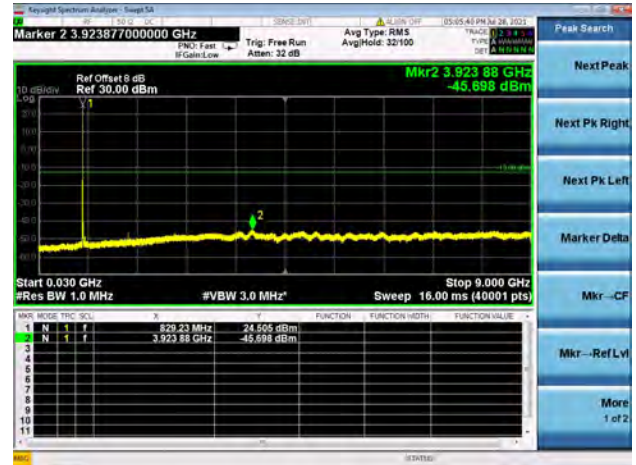
## LTE Band 5B CSE

Channel Bandwidth: 5MHz+10MHz

## LOW CH/QPSK/1RB0 and 1RB49



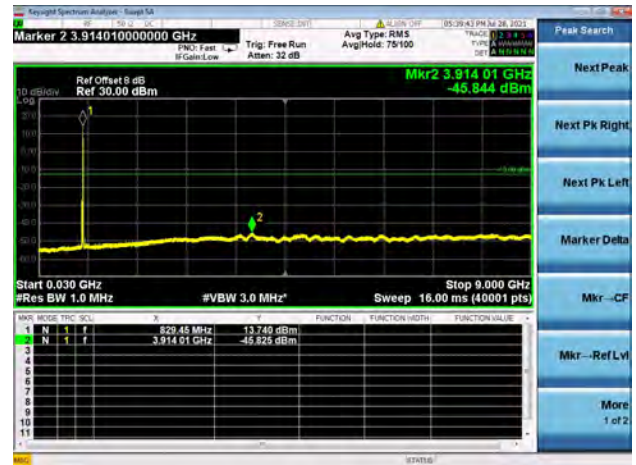
## LOW CH/QPSK/1RB24 and 1RB0



## LOW CH/QPSK/FULL RB



## Mid CH/QPSK/1RB0 and 1RB49



## Mid CH/QPSK/1RB24 and 1RB0

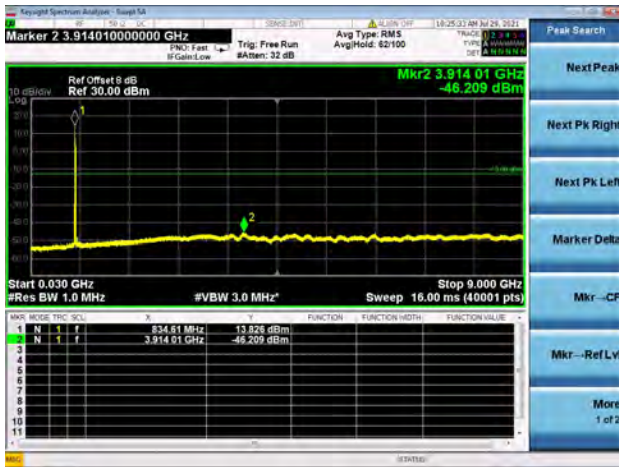


## Mid CH/QPSK/FULL RB

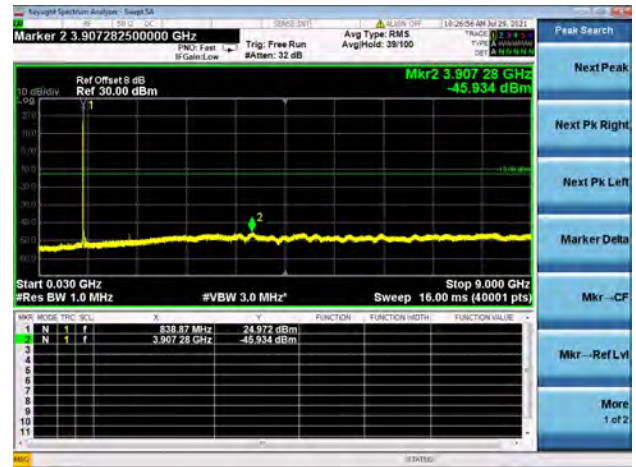




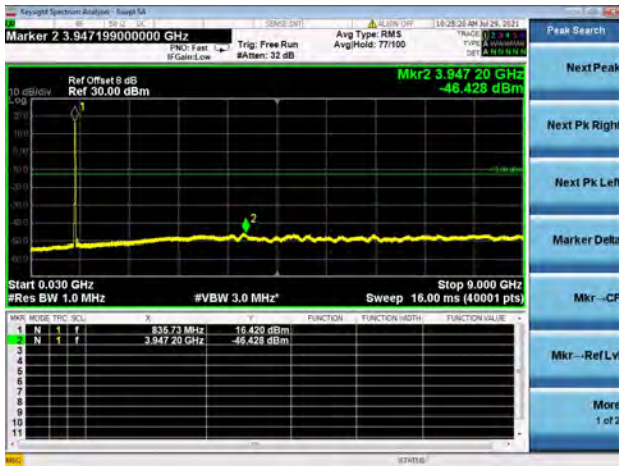
High CH/QPSK/1RB0 and 1RB49



High CH/QPSK/1RB24 and 1RB0



High CH/QPSK/FULL RB



N/A

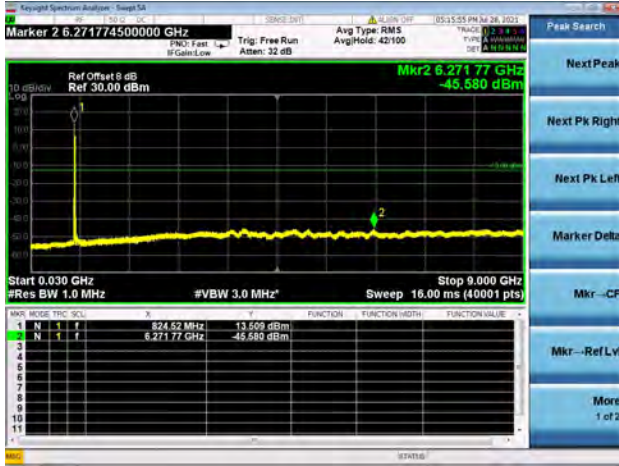




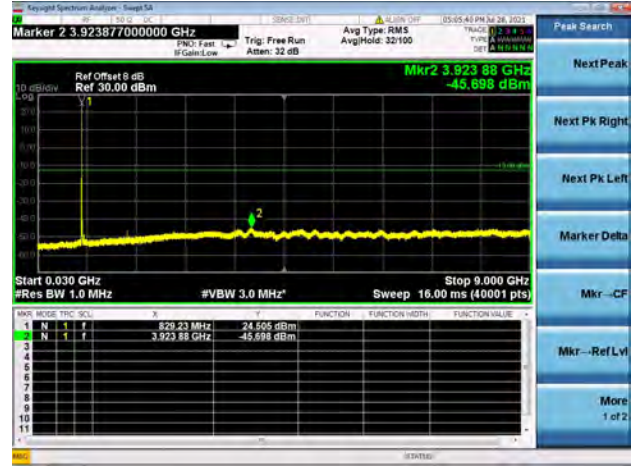
## LTE Band 5B CSE

Channel Bandwidth: 10MHz+5MHz

## LOW CH/QPSK/1RB0 and 1RB24



## LOW CH/QPSK/1RB49 and 1RB0



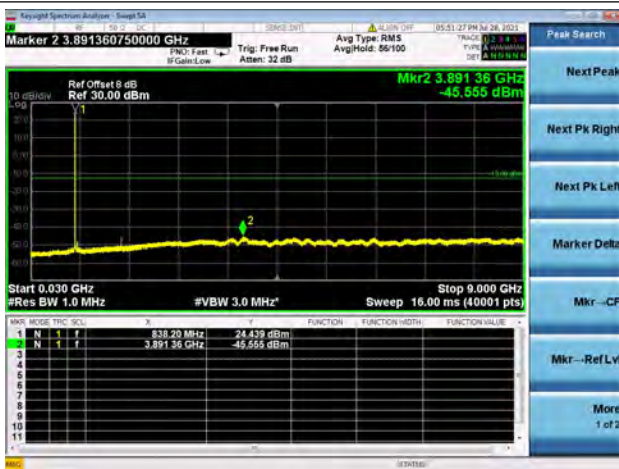
## LOW CH/QPSK/FULL RB



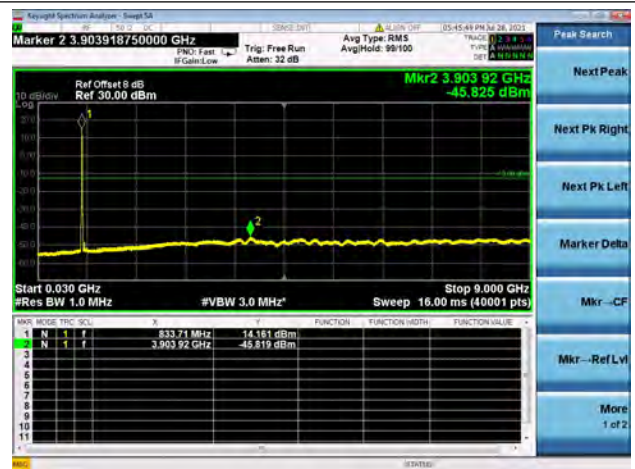
## Mid CH/QPSK/1RB0 and 1RB24



## Mid CH/QPSK/1RB49 and 1RB0

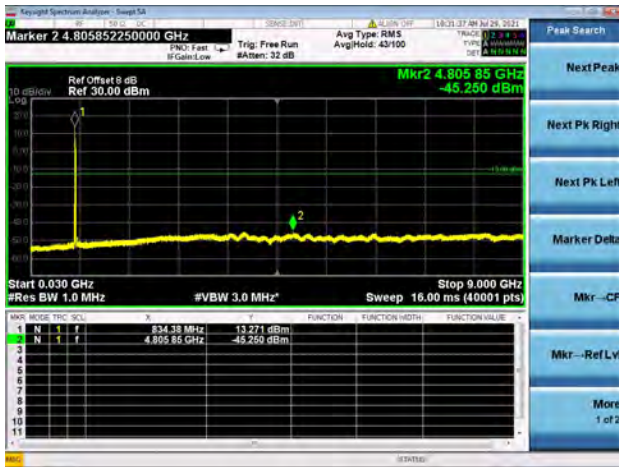


## Mid CH/QPSK/FULL RB

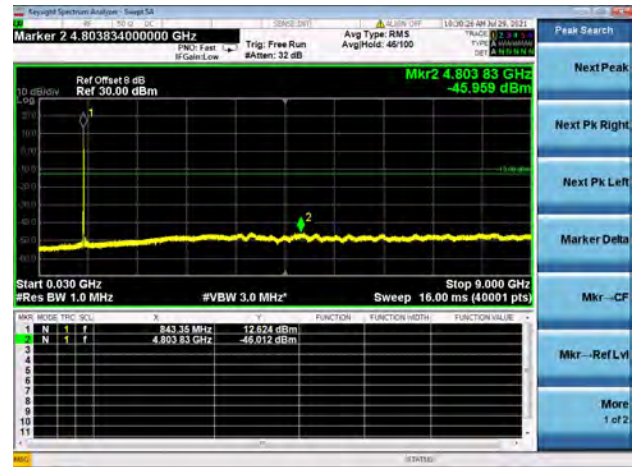




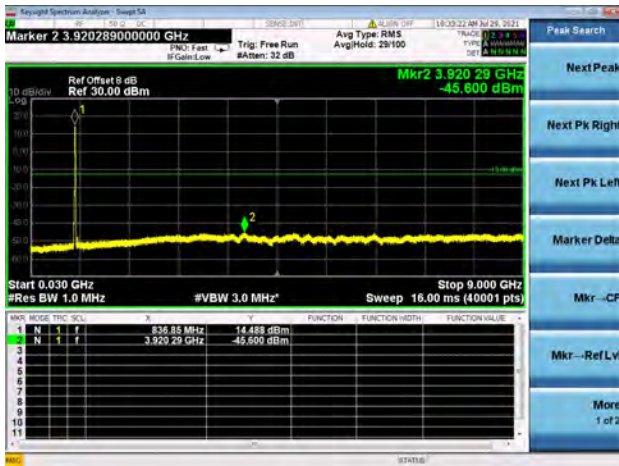
High CH/QPSK/1RB0 and 1RB24



High CH/QPSK/1RB49 and 1RB0



High CH/QPSK/FULL RB



N/A

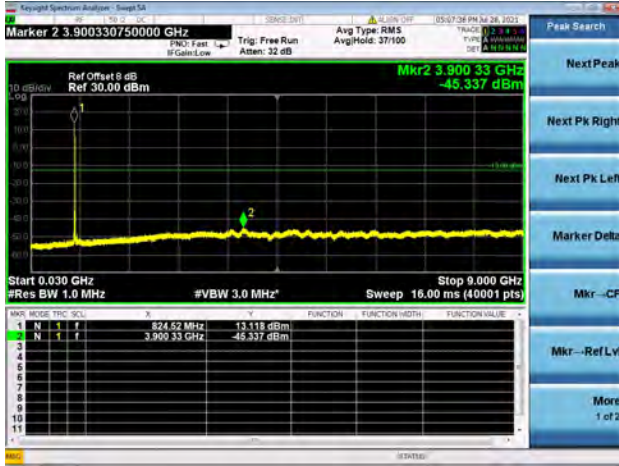




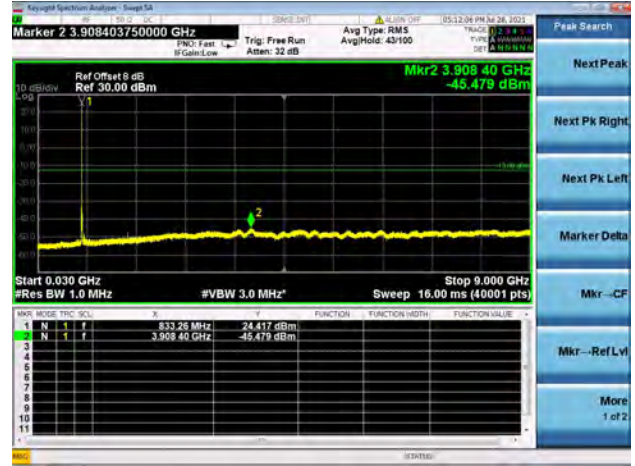
## LTE Band 5B CSE

Channel Bandwidth: 10MHz+10MHz

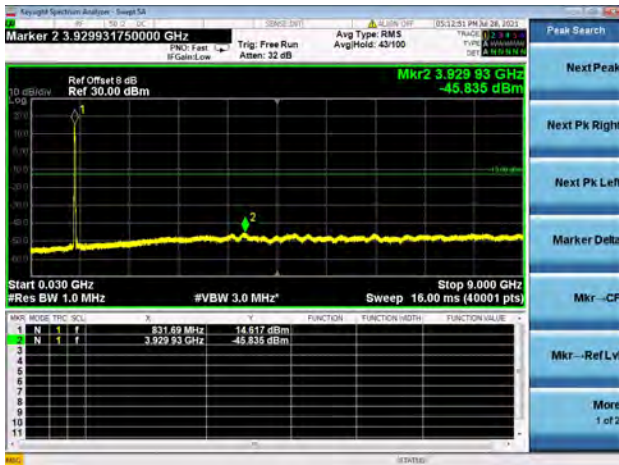
## LOW CH/QPSK/1RB0 and 1RB49



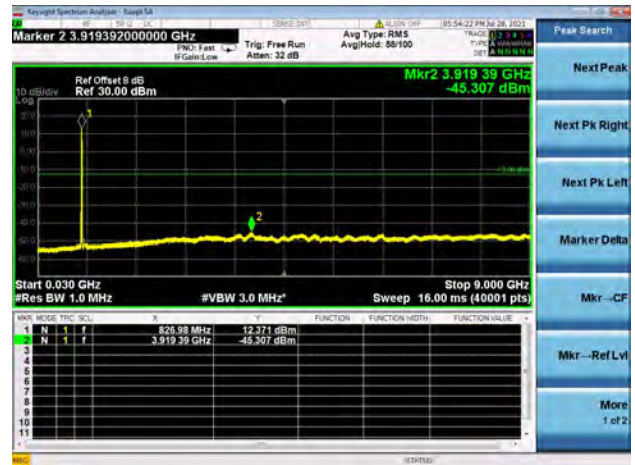
## LOW CH/QPSK/1RB49 and 1RB0



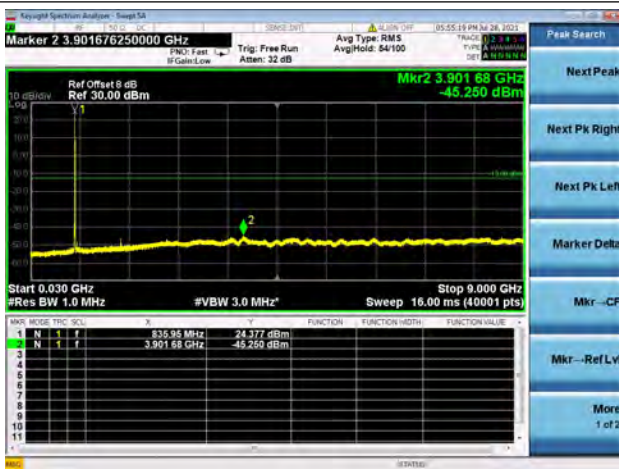
## LOW CH/QPSK/FULL RB



## Mid CH/QPSK/1RB0 and 1RB49



## Mid CH/QPSK/1RB49 and 1RB0

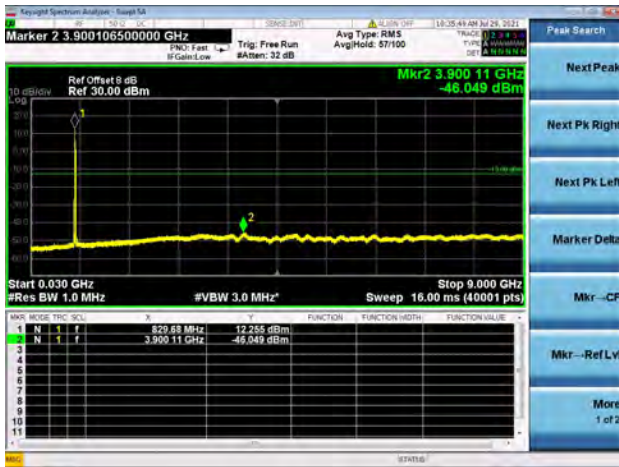


## Mid CH/QPSK/FULL RB

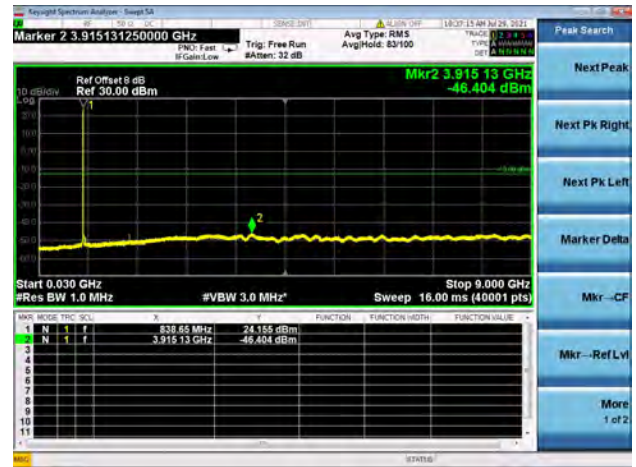




## High CH/QPSK/1RB0 and 1RB49



## High CH/QPSK/1RB49 and 1RB0



## High CH/QPSK/FULL RB



N/A

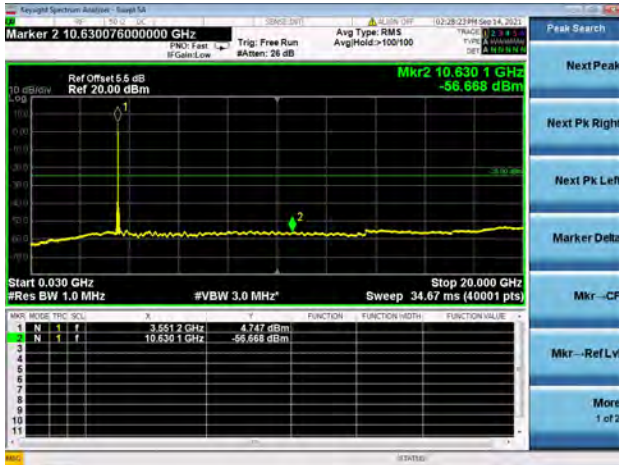




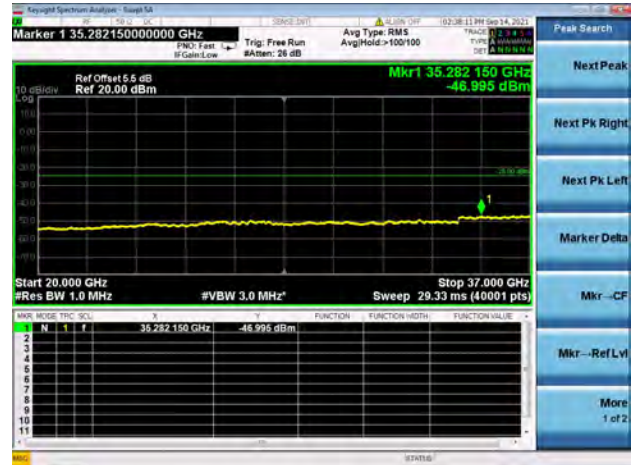
LTE Band 48C CSE

Channel Bandwidth: 5MHz+20MHz

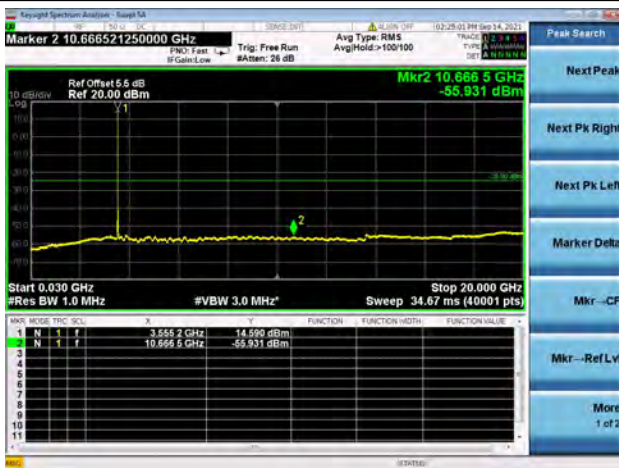
LOW CH/QPSK/1RB0 and 1RB99



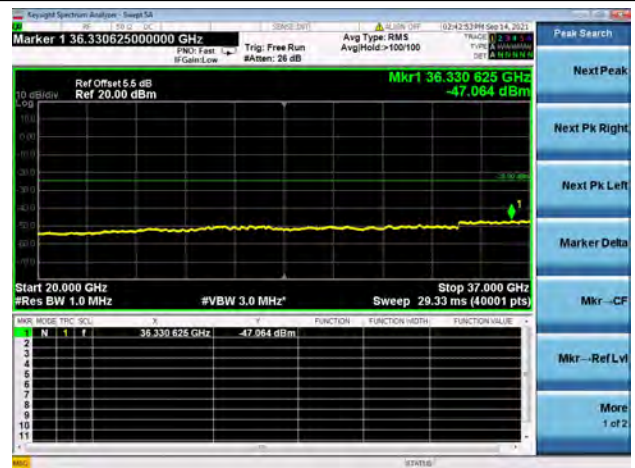
LOW CH/QPSK/1RB0 and 1RB99



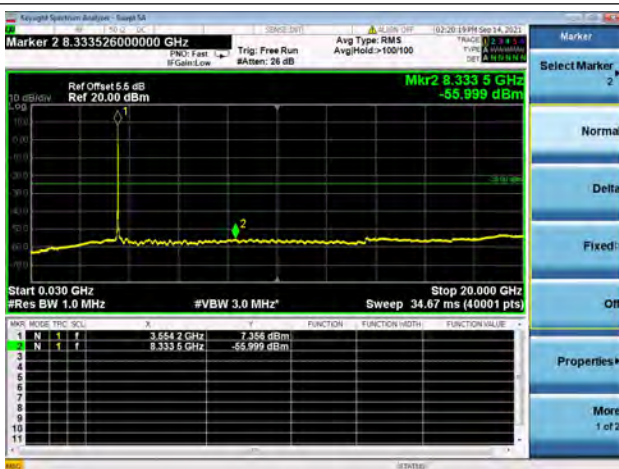
LOW CH/QPSK/1RB24 and 1RB0



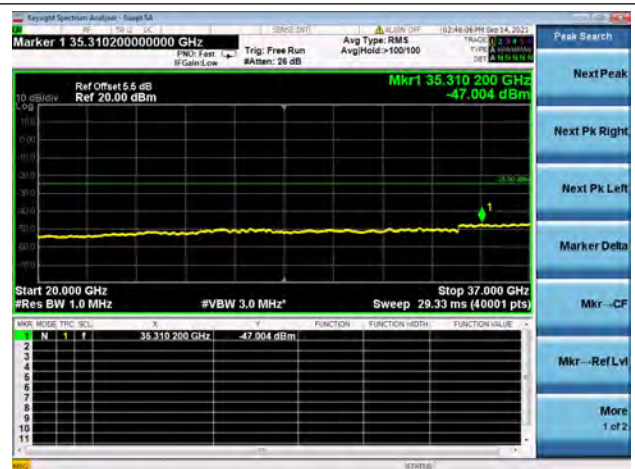
LOW CH/QPSK/1RB24 and 1RB0



LOW CH/QPSK/FULL RB

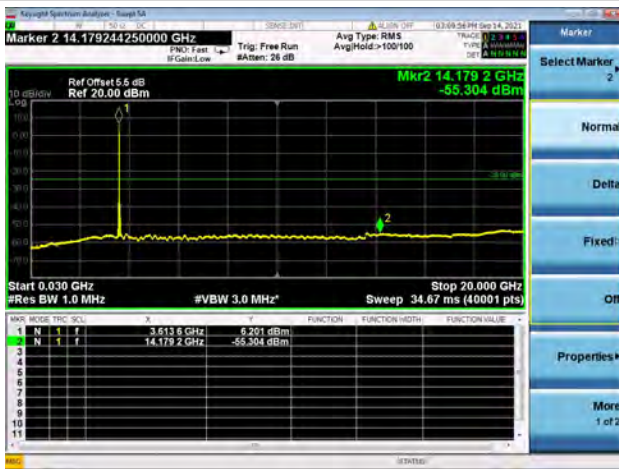


LOW CH/QPSK/FULL RB

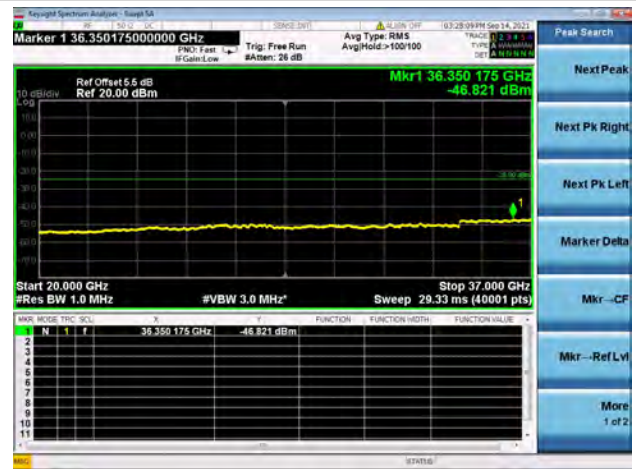




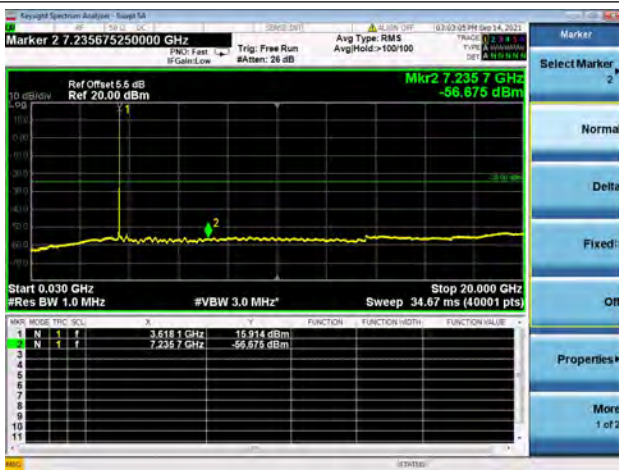
Mid CH/QPSK/1RB0 and 1RB99



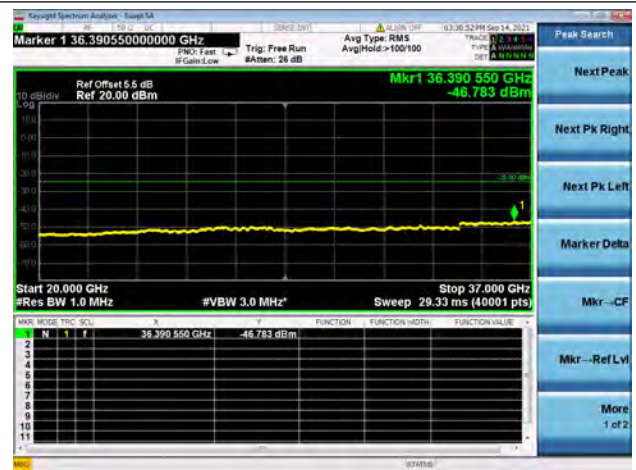
Mid CH/QPSK/1RB0 and 1RB99



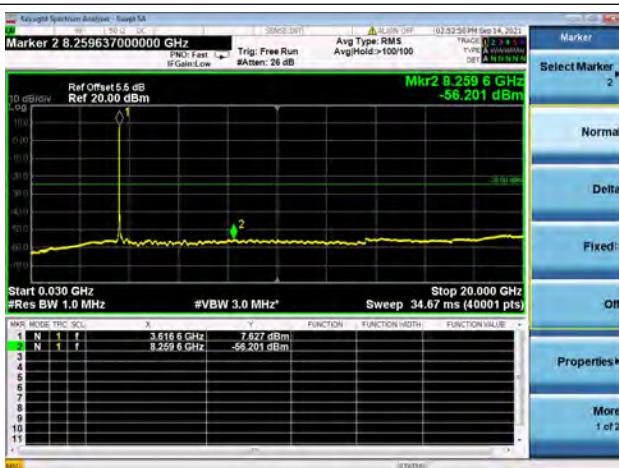
Mid CH/QPSK/1RB24 and 1RB0



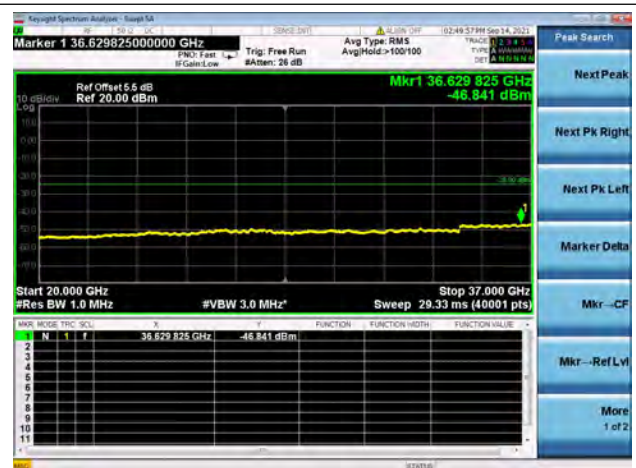
Mid CH/QPSK/1RB24 and 1RB0



Mid CH/QPSK/FULL RB



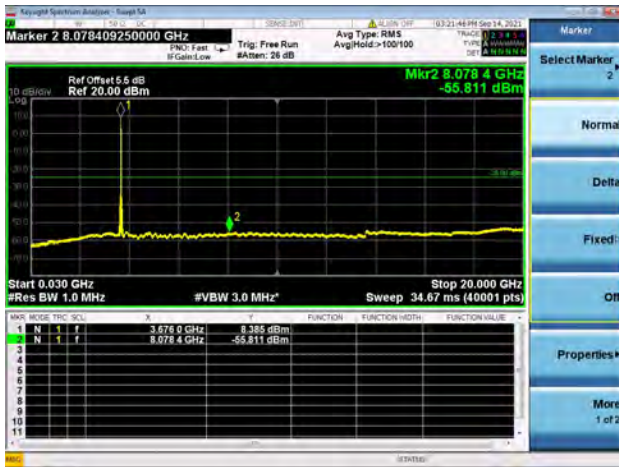
Mid CH/QPSK/FULL RB



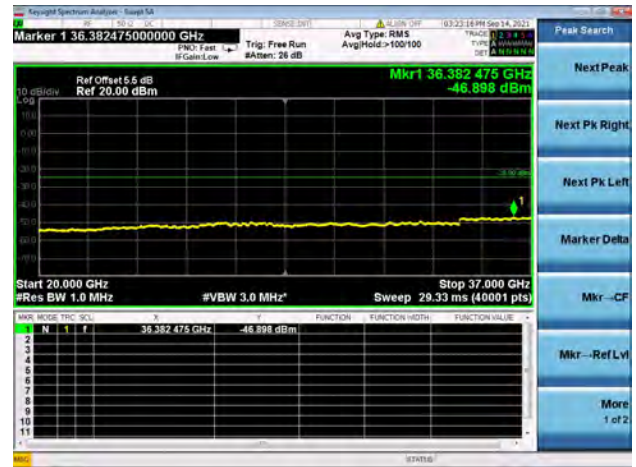




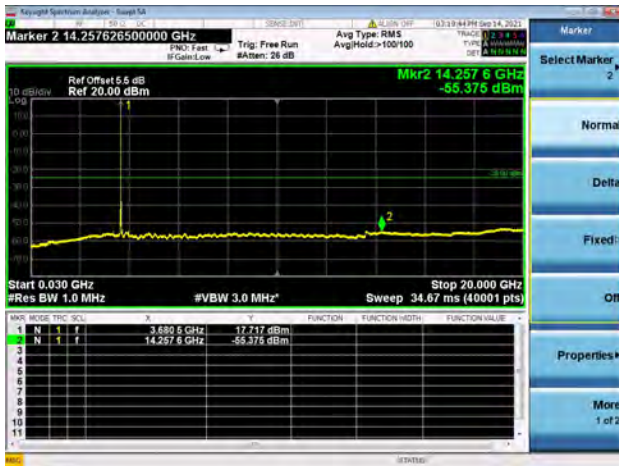
High CH/QPSK/1RB0 and 1RB99



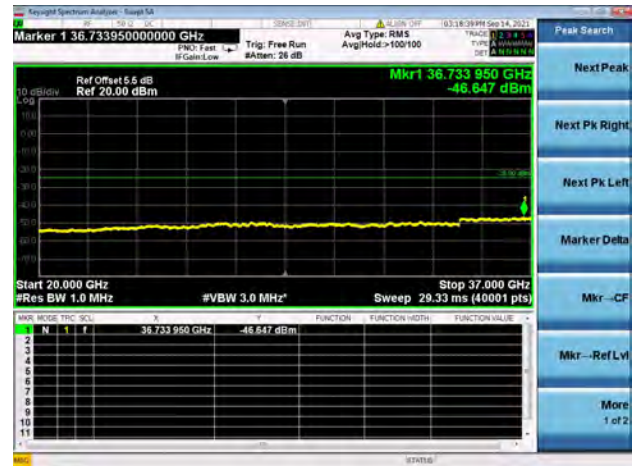
High CH/QPSK/1RB0 and 1RB99



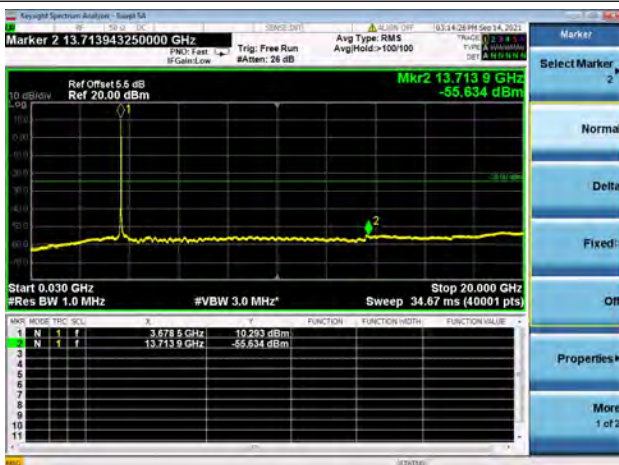
High CH/QPSK/1RB24 and 1RB0



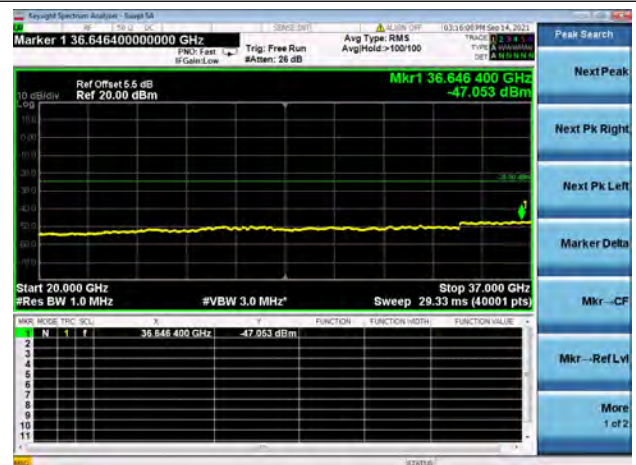
High CH/QPSK/1RB24 and 1RB0



High CH/QPSK/FULL RB



High CH/QPSK/FULL RB

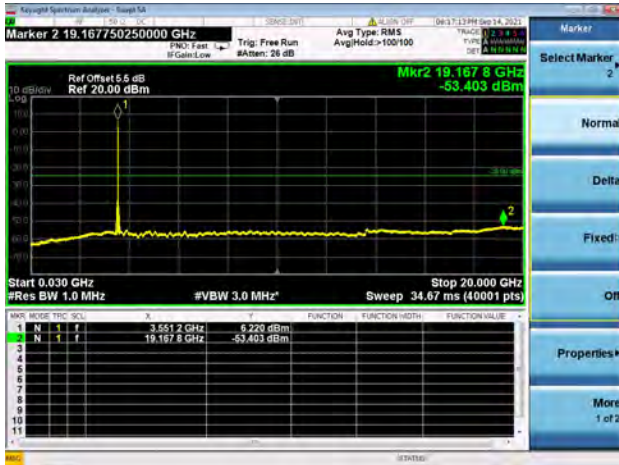




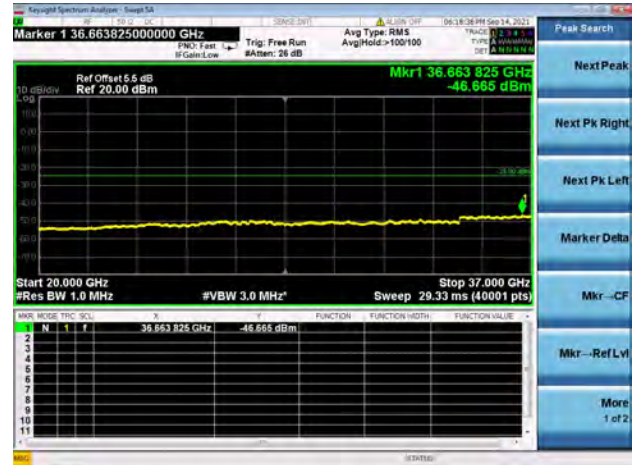
## LTE Band 48C CSE

Channel Bandwidth: 10MHz+20MHz

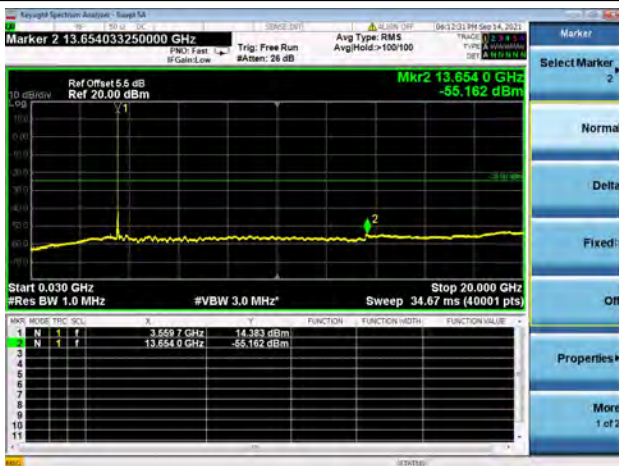
## LOW CH/QPSK/1RB0 and 1RB99



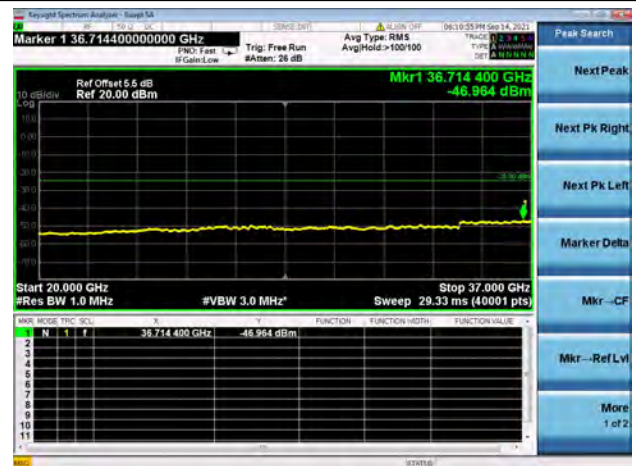
## LOW CH/QPSK/1RB0 and 1RB99



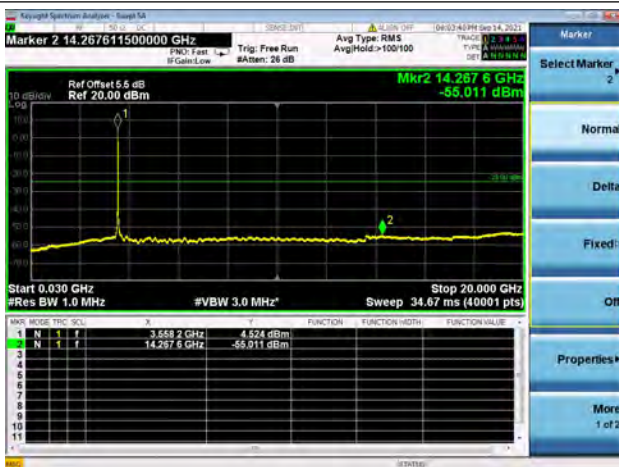
## LOW CH/QPSK/1RB49 and 1RB0



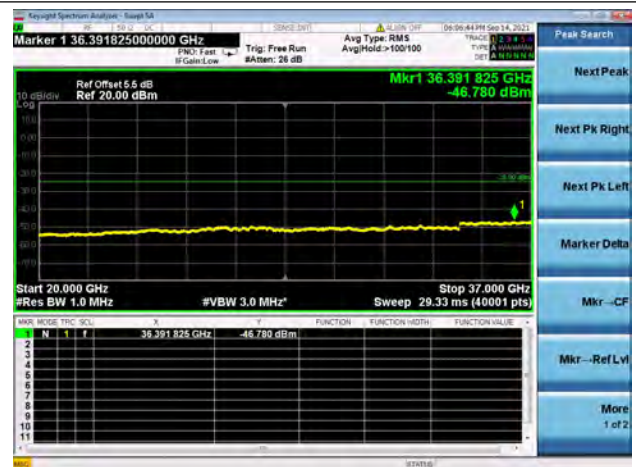
## LOW CH/QPSK/1RB49 and 1RB0



## LOW CH/QPSK/FULL RB



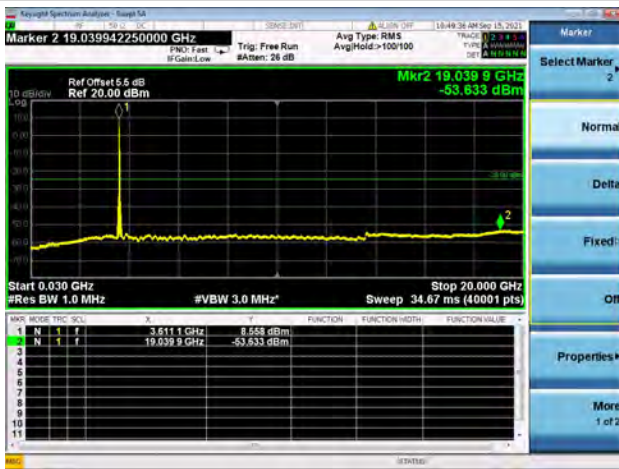
## LOW CH/QPSK/FULL RB



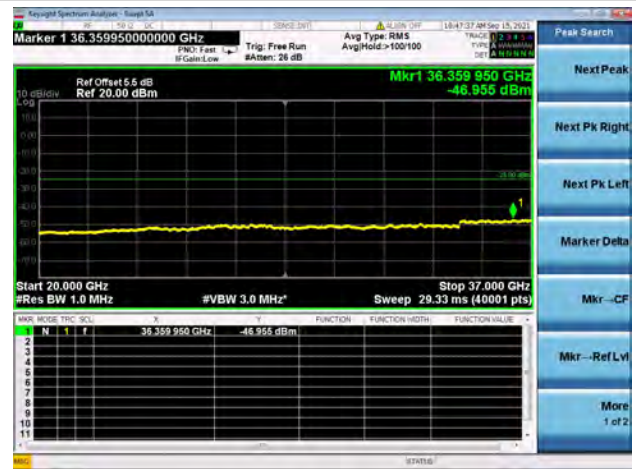




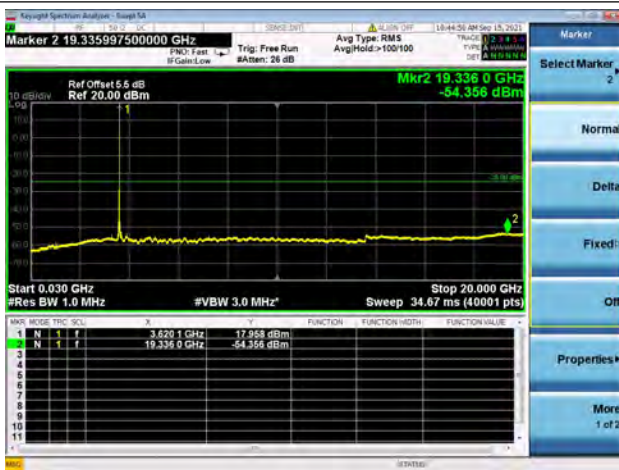
Mid CH/QPSK/1RB0 and 1RB99



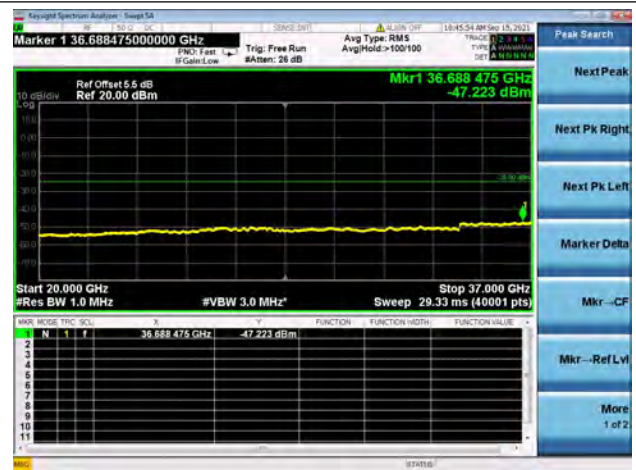
Mid CH/QPSK/1RB0 and 1RB99



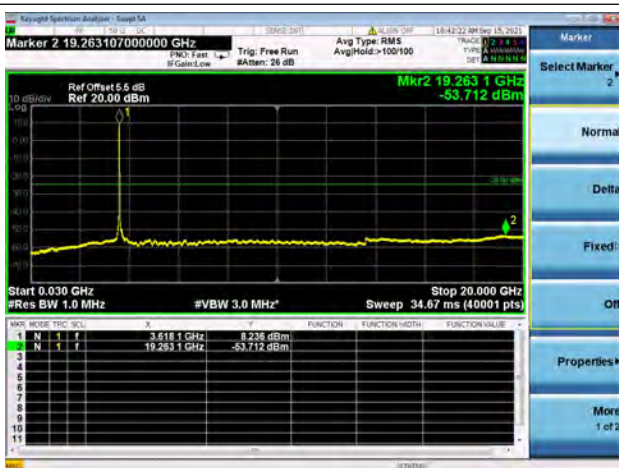
Mid CH/QPSK/1RB49 and 1RB0



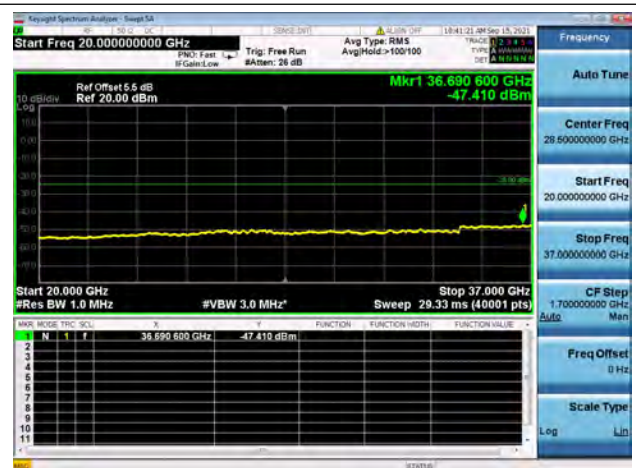
Mid CH/QPSK/1RB49 and 1RB0



Mid CH/QPSK/FULL RB

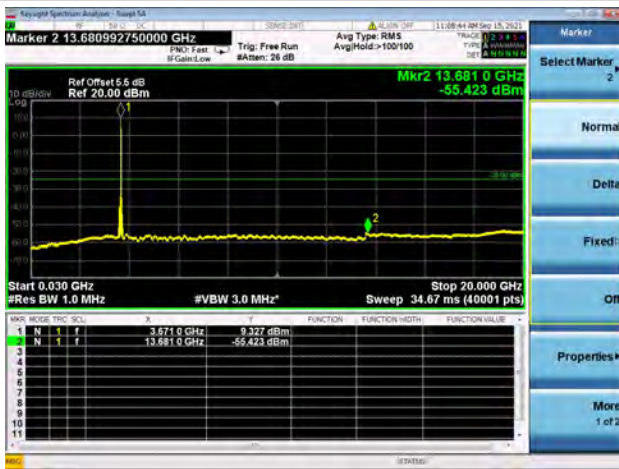


Mid CH/QPSK/FULL RB

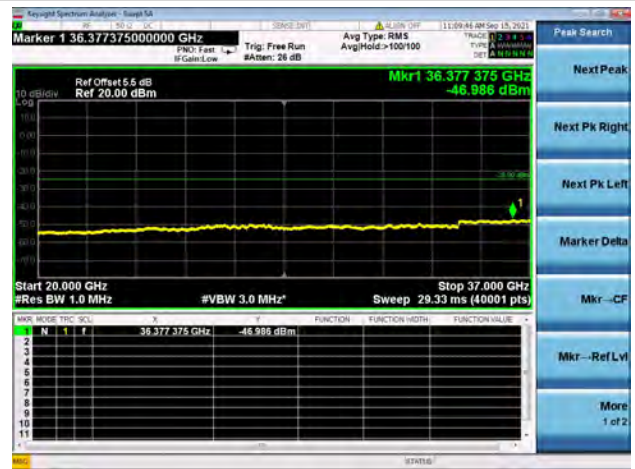




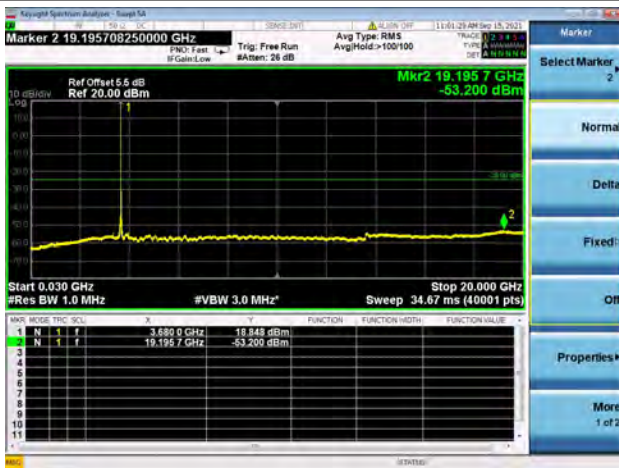
High CH/QPSK/1RB0 and 1RB99



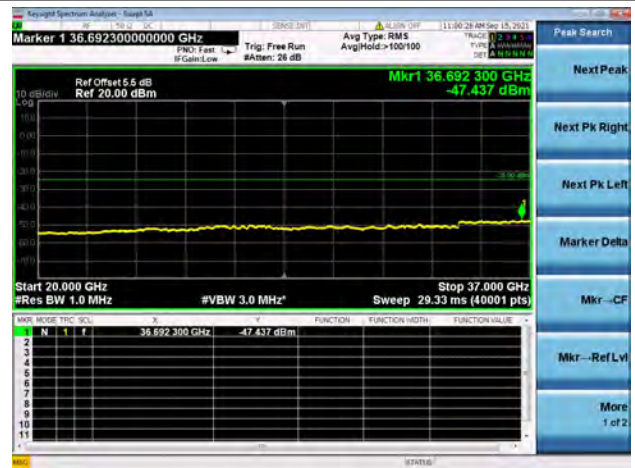
High CH/QPSK/1RB0 and 1RB99



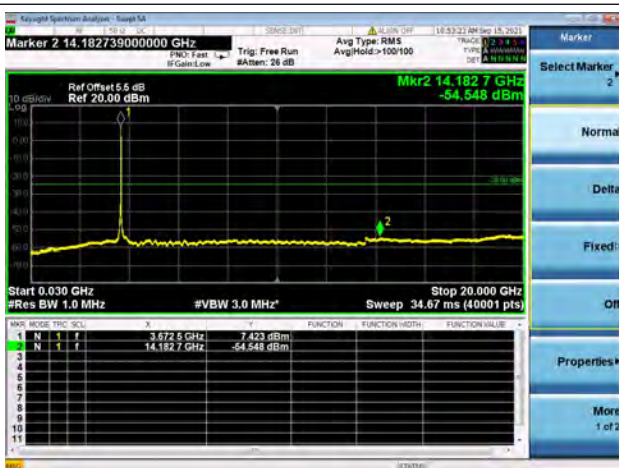
High CH/QPSK/1RB49 and 1RB0



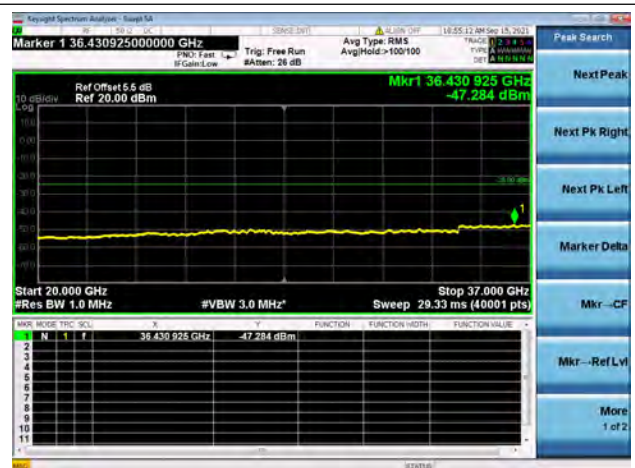
High CH/QPSK/1RB49 and 1RB0



High CH/QPSK/FULL RB



High CH/QPSK/FULL RB





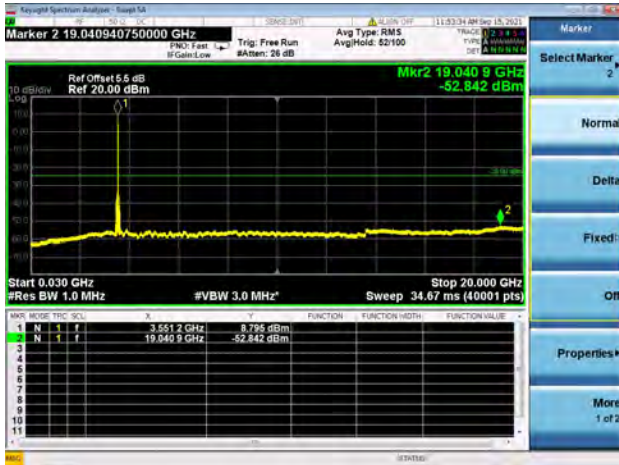


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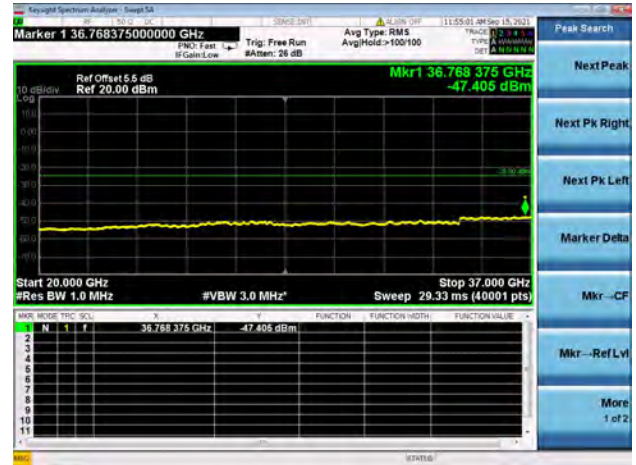
LTE Band 48C CSE

Channel Bandwidth: 15MHz+20MHz

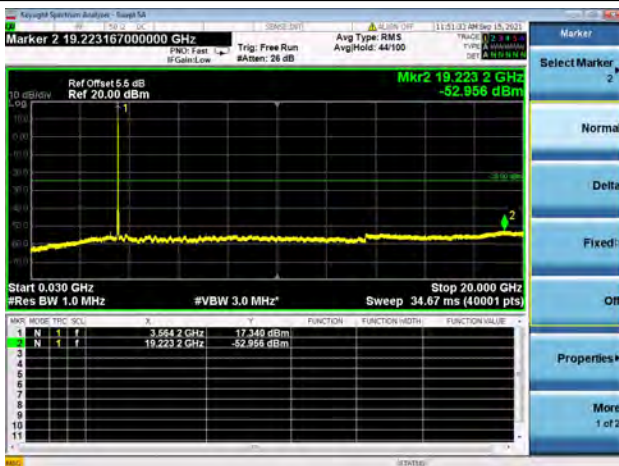
LOW CH/QPSK/1RB0 and 1RB99



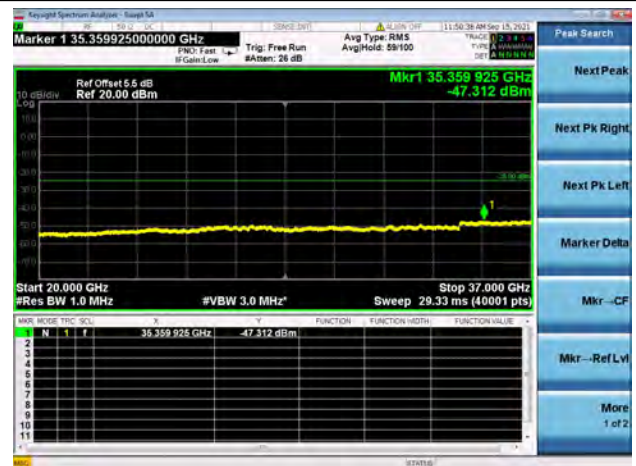
LOW CH/QPSK/1RB0 and 1RB99



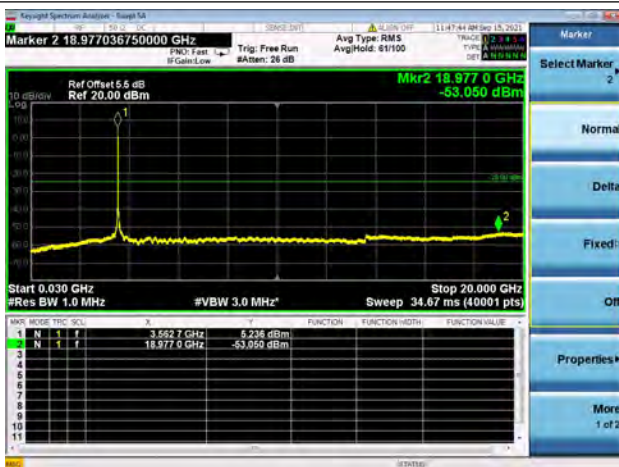
LOW CH/QPSK/1RB74 and 1RB0



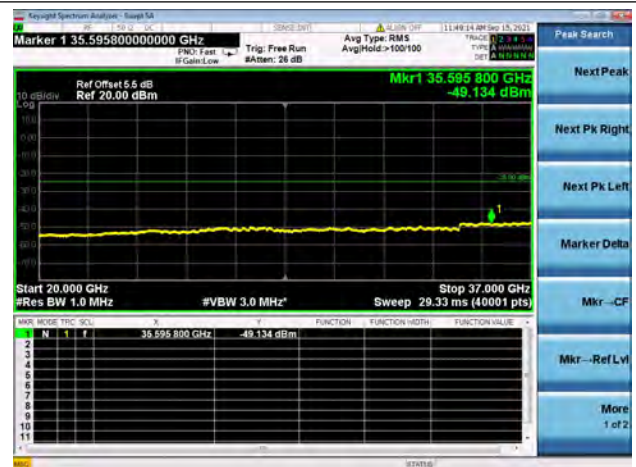
LOW CH/QPSK/1RB74 and 1RB0



LOW CH/QPSK/FULL RB

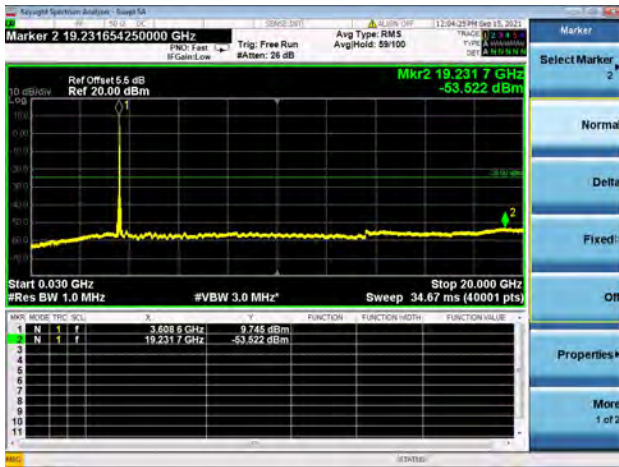


LOW CH/QPSK/FULL RB

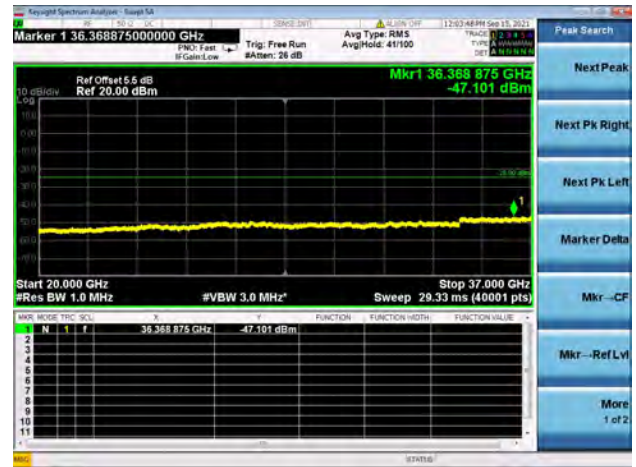




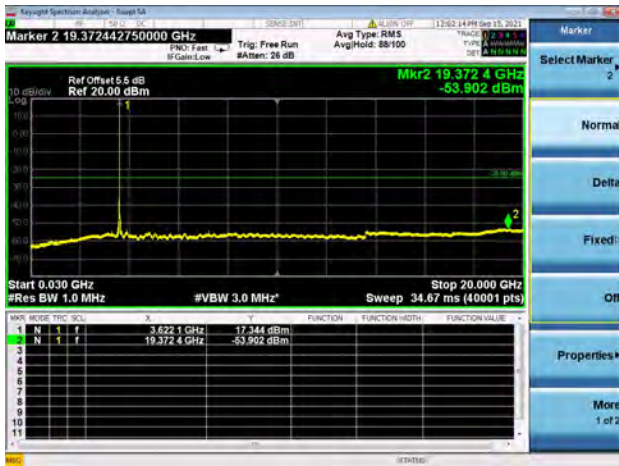
Mid CH/QPSK/1RB0 and 1RB99



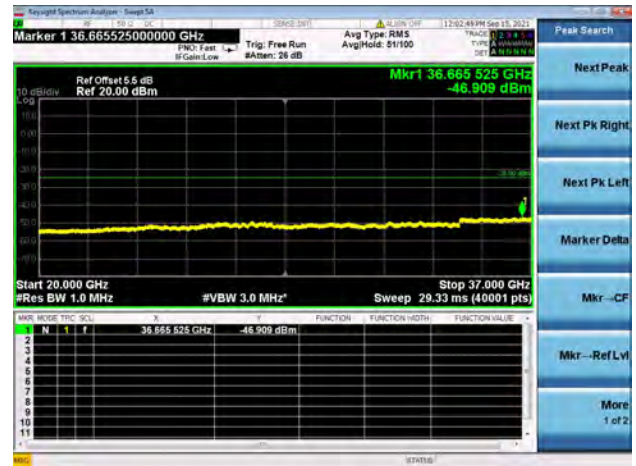
Mid CH/QPSK/1RB0 and 1RB99



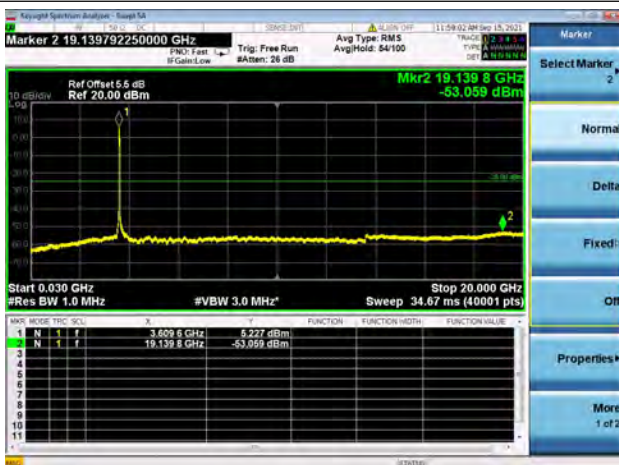
Mid CH/QPSK/1RB74 and 1RB0



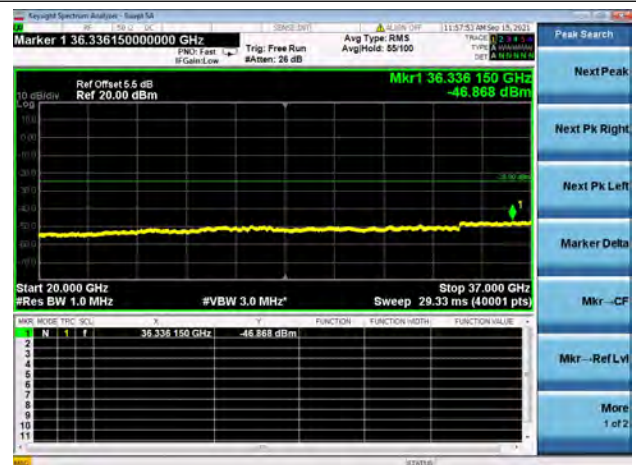
Mid CH/QPSK/1RB74 and 1RB0



Mid CH/QPSK/FULL RB



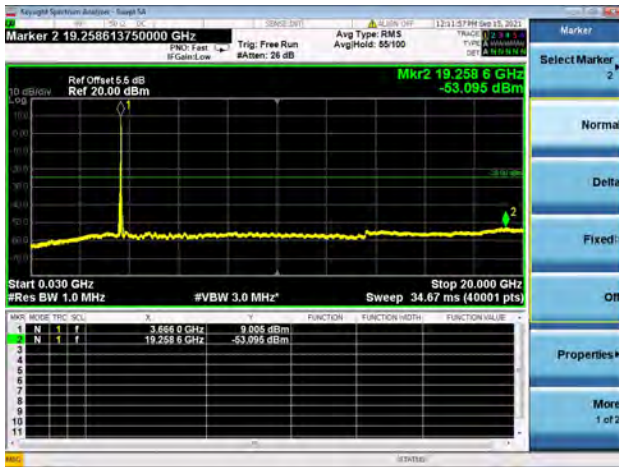
Mid CH/QPSK/FULL RB



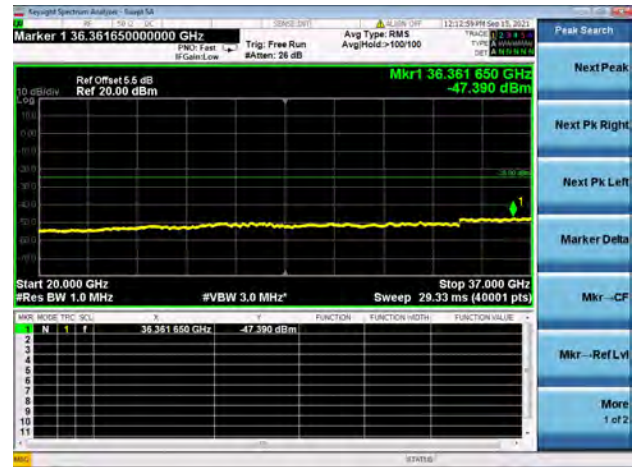




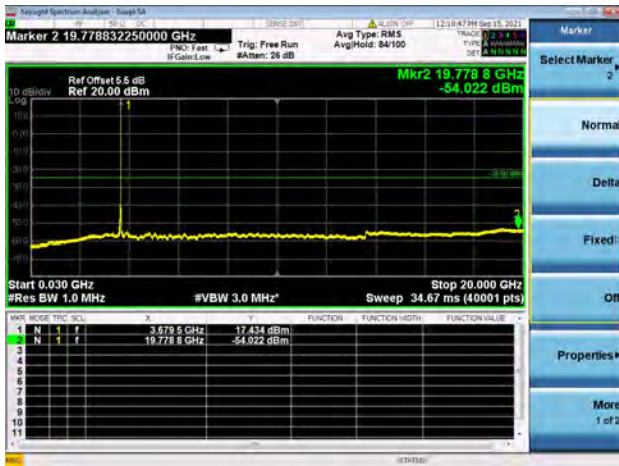
## High CH/QPSK/1RB0 and 1RB99



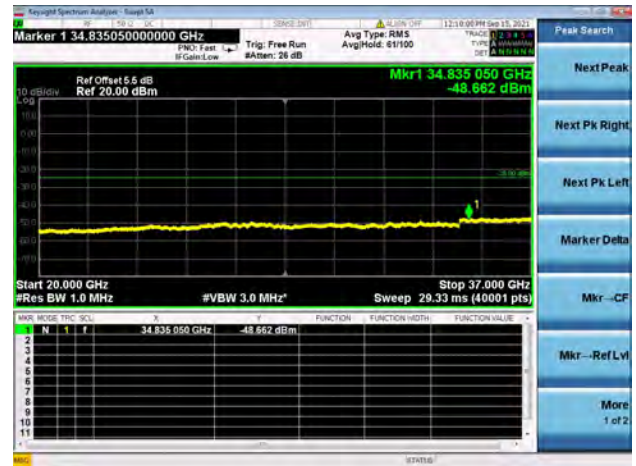
## High CH/QPSK/1RB0 and 1RB99



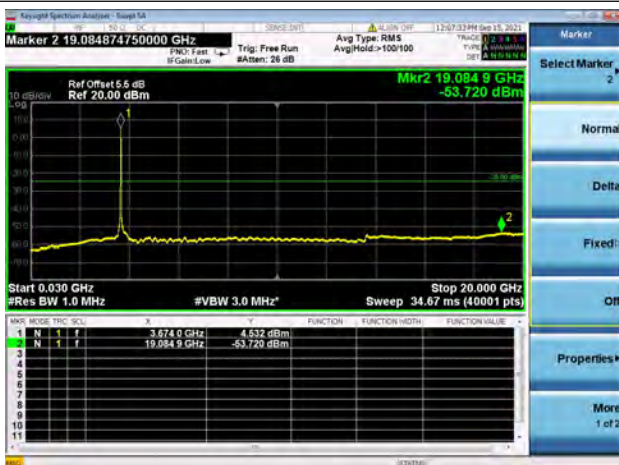
## High CH/QPSK/1RB74 and 1RB0



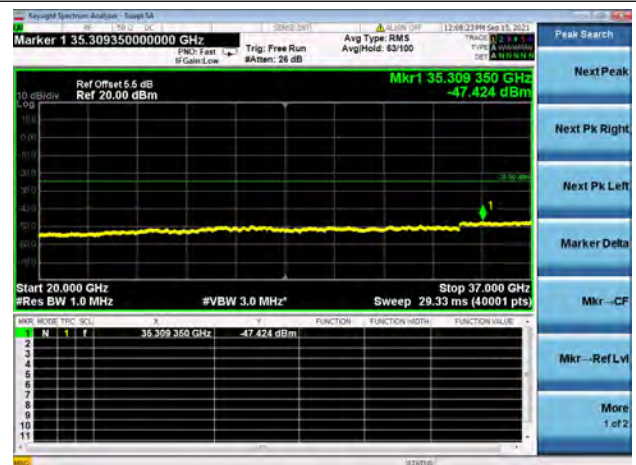
## High CH/QPSK/1RB74 and 1RB0



## High CH/QPSK/FULL RB



## High CH/QPSK/FULL RB



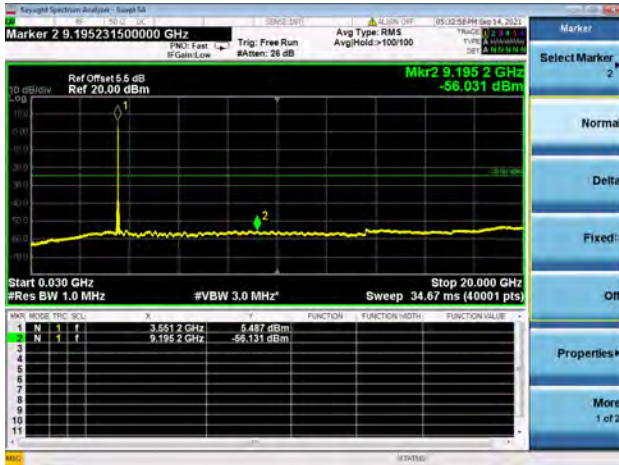




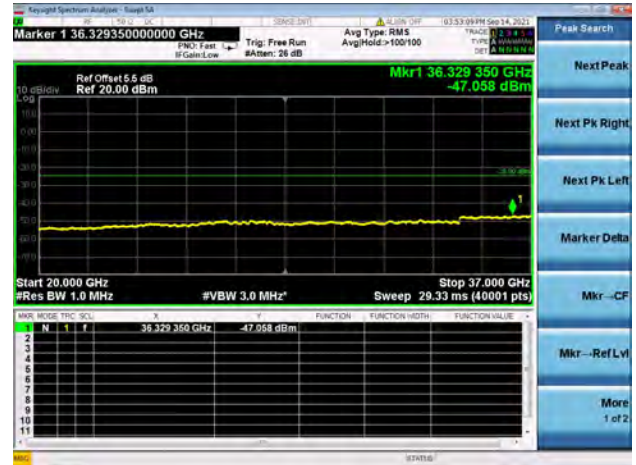
## LTE Band 48C CSE

Channel Bandwidth: 20MHz+5MHz

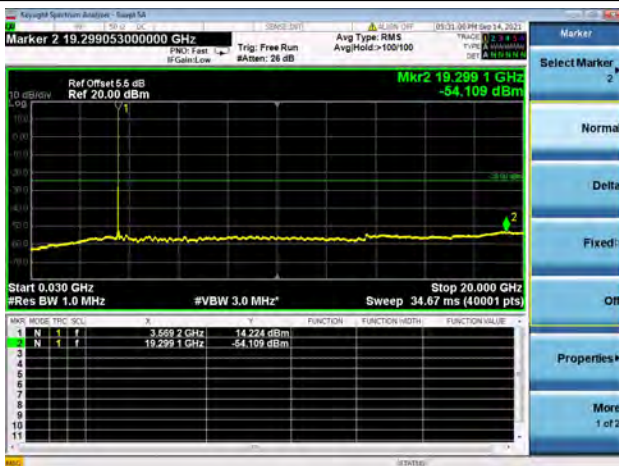
## LOW CH/QPSK/1RB0 and 1RB24



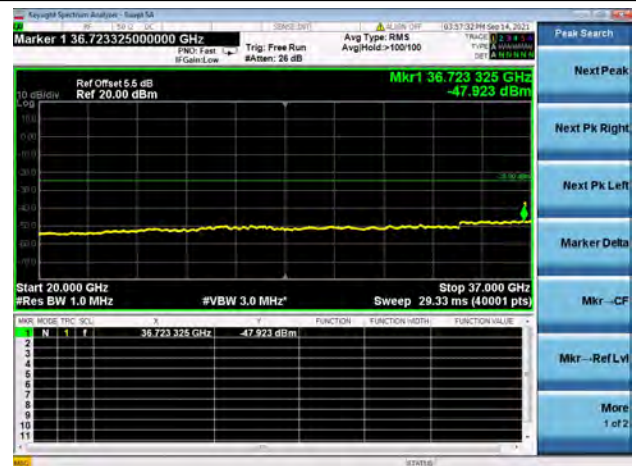
## LOW CH/QPSK/1RB0 and 1RB24



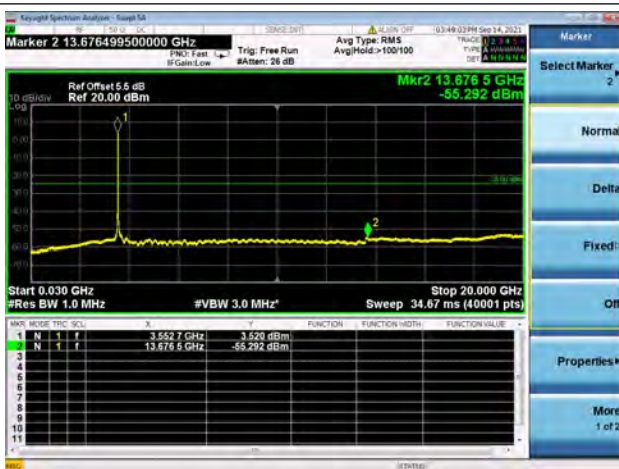
## LOW CH/QPSK/1RB99 and 1RB0



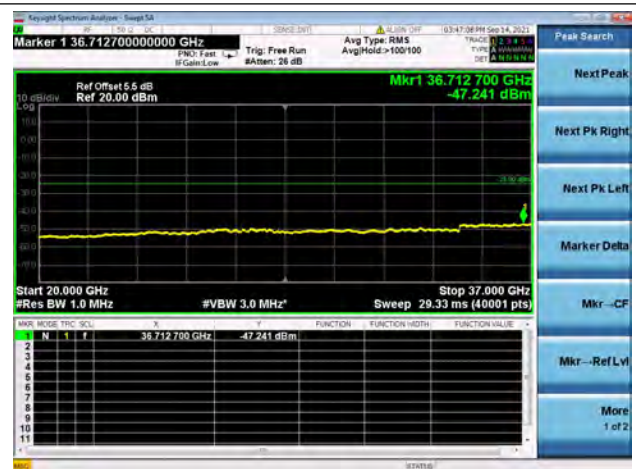
## LOW CH/QPSK/1RB99 and 1RB0



## LOW CH/QPSK/FULL RB

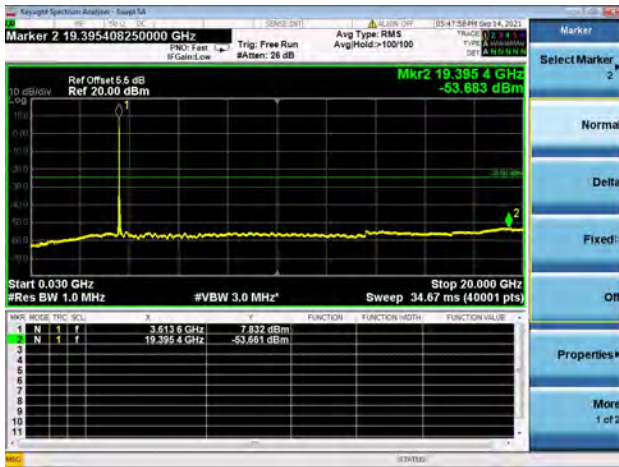


## LOW CH/QPSK/FULL RB

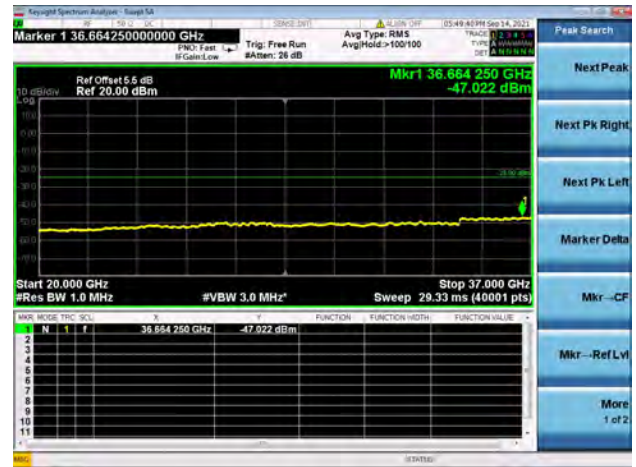




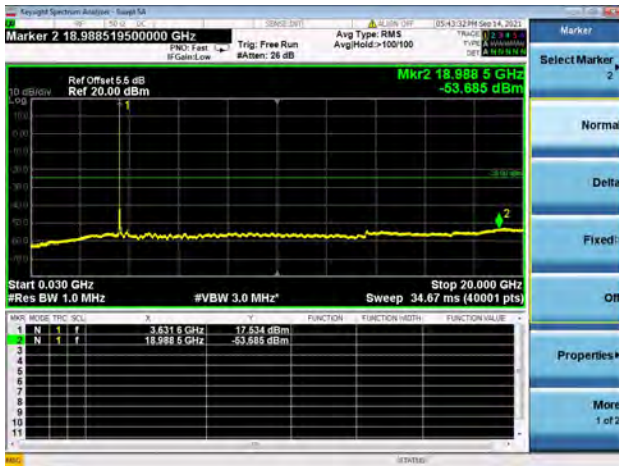
Mid CH/QPSK/1RB0 and 1RB24



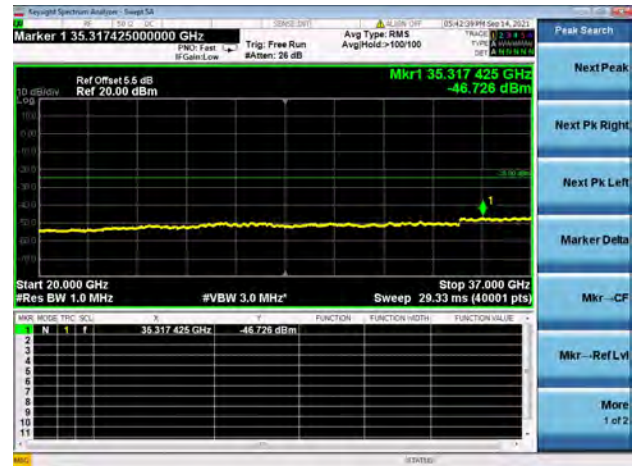
Mid CH/QPSK/1RB0 and 1RB24



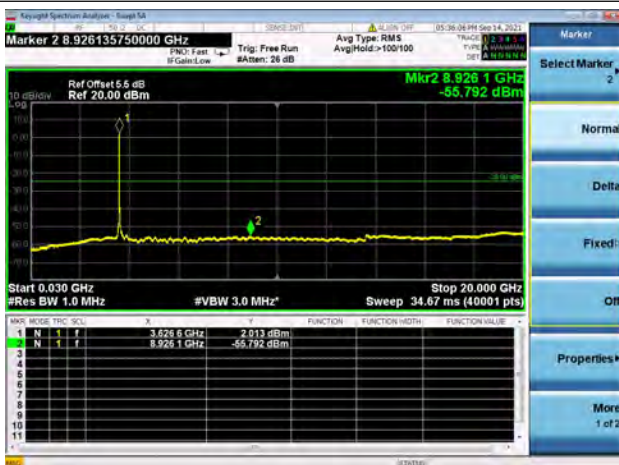
Mid CH/QPSK/1RB99 and 1RB0



Mid CH/QPSK/1RB99 and 1RB0



Mid CH/QPSK/FULL RB



Mid CH/QPSK/FULL RB

