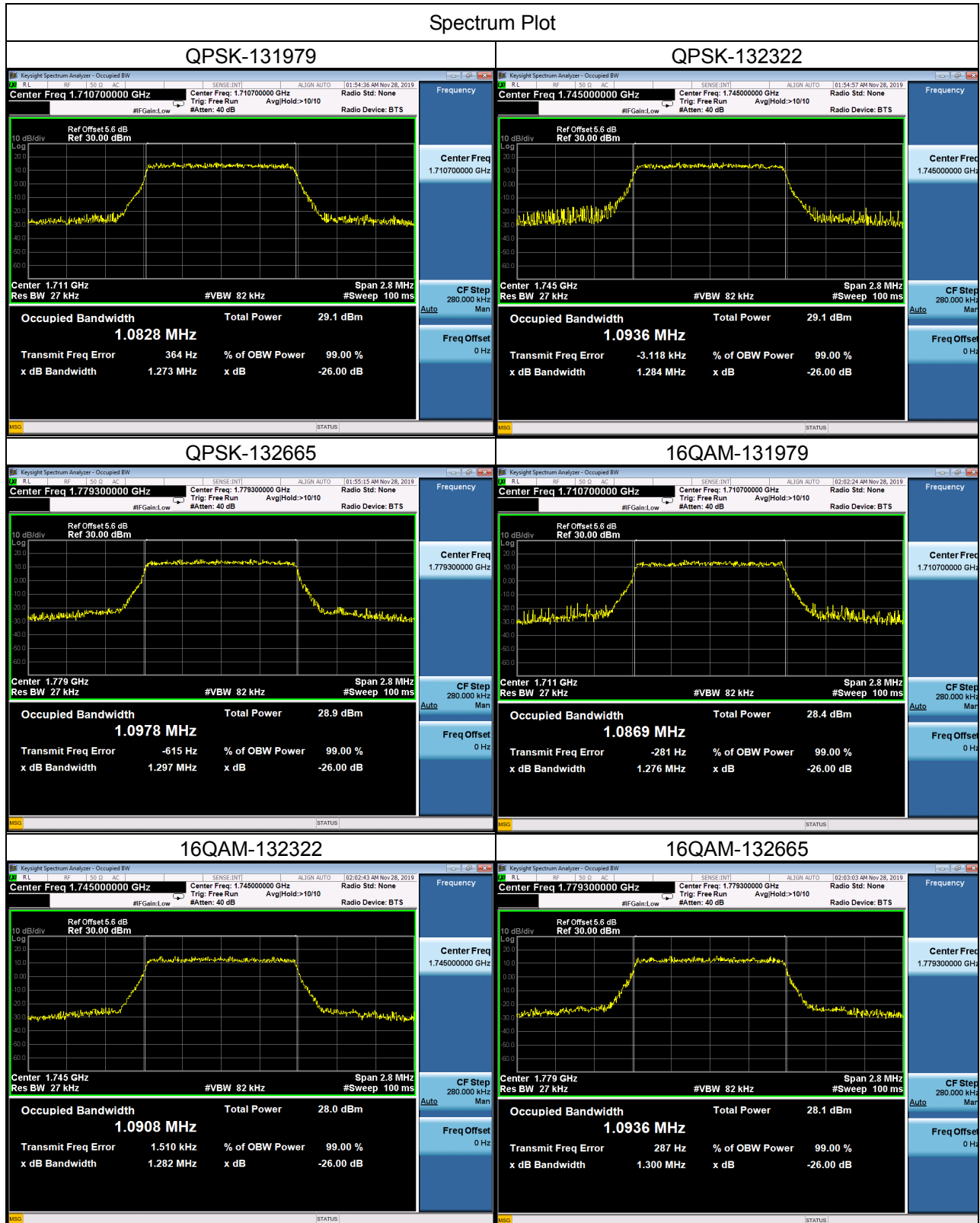
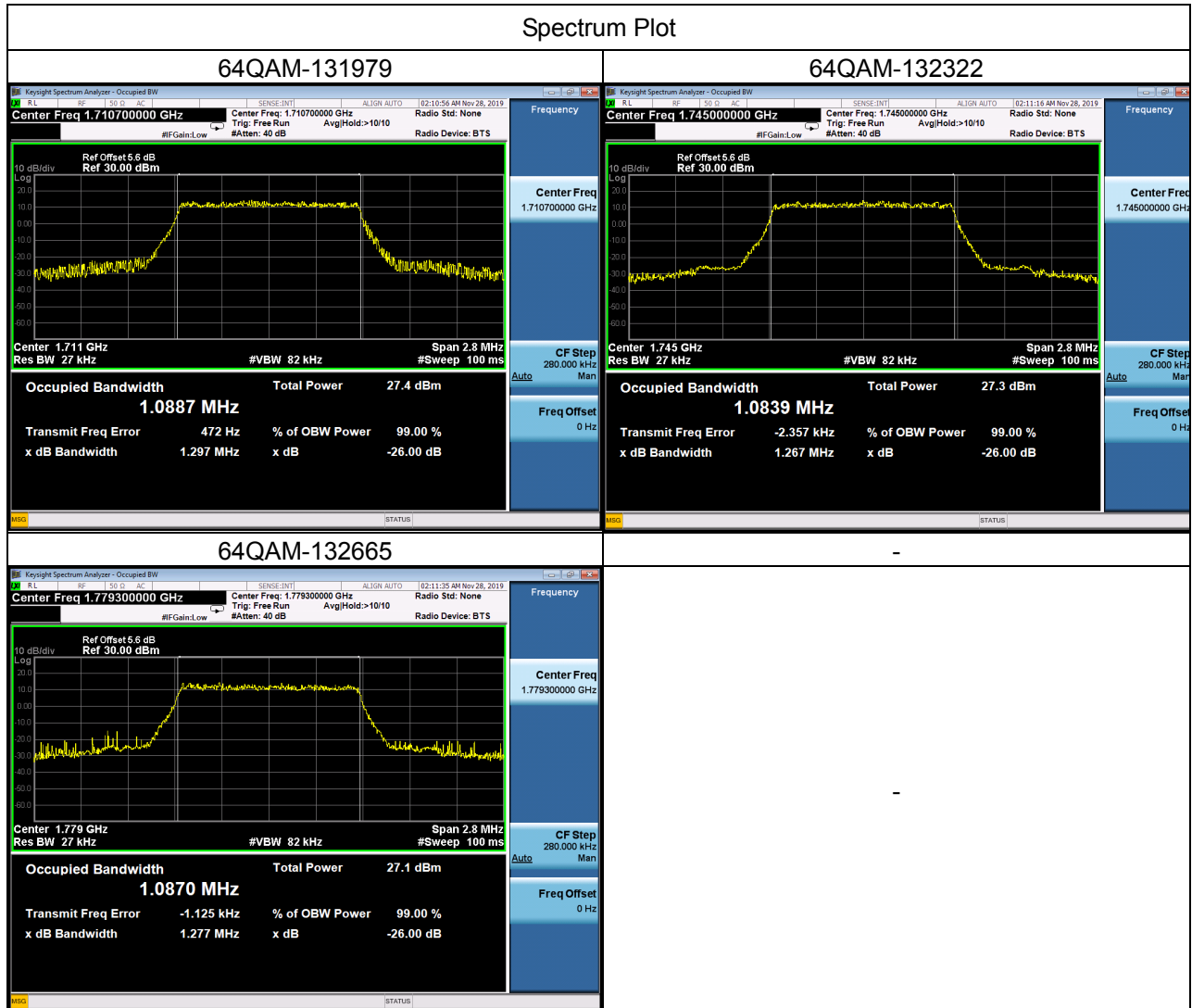


| LTE Band 66_1.4M |                 |                              |         |                 |                      |
|------------------|-----------------|------------------------------|---------|-----------------|----------------------|
| QPSK             |                 |                              |         |                 |                      |
| Channel          | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | Channel | Frequency (MHz) | 26dB Bandwidth (MHz) |
| 131979           | 1710.7          | 1.0828                       | 131979  | 1710.7          | 1.273                |
| 132322           | 1745            | 1.0936                       | 132322  | 1745            | 1.284                |
| 132665           | 1779.3          | 1.0978                       | 132665  | 1779.3          | 1.297                |
| 16QAM            |                 |                              |         |                 |                      |
| Channel          | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | Channel | Frequency (MHz) | 26dB Bandwidth (MHz) |
| 131979           | 1710.7          | 1.0869                       | 131979  | 1710.7          | 1.276                |
| 132322           | 1745            | 1.0908                       | 132322  | 1745            | 1.282                |
| 132665           | 1779.3          | 1.0936                       | 132665  | 1779.3          | 1.300                |
| 64QAM            |                 |                              |         |                 |                      |
| Channel          | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | Channel | Frequency (MHz) | 26dB Bandwidth (MHz) |
| 131979           | 1710.7          | 1.0887                       | 131979  | 1710.7          | 1.297                |
| 132322           | 1745            | 1.0839                       | 132322  | 1745            | 1.267                |
| 132665           | 1779.3          | 1.0870                       | 132665  | 1779.3          | 1.277                |

## Spectrum Plot

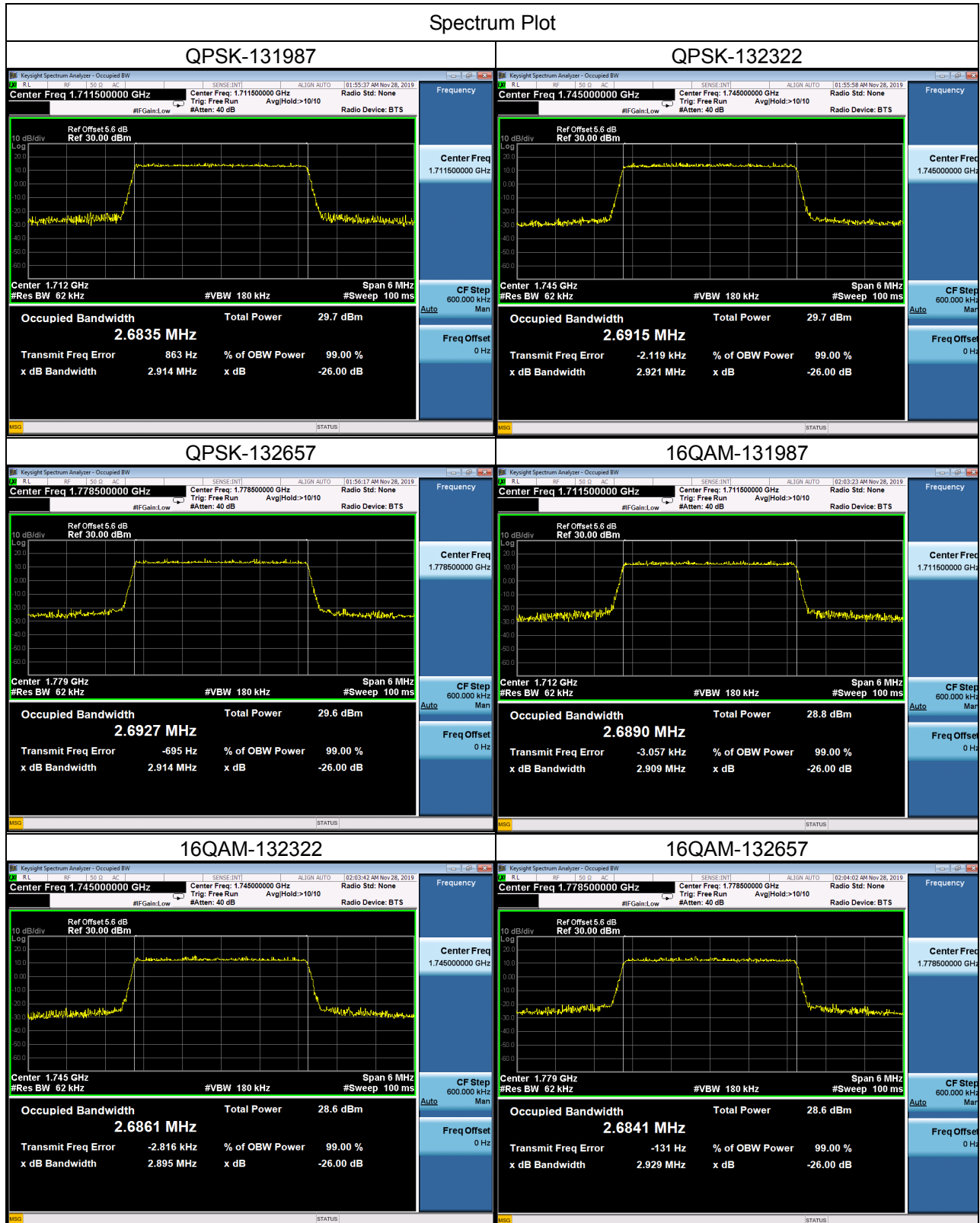


## Spectrum Plot



| LTE Band 66_3M |                 |                              |         |                 |                      |
|----------------|-----------------|------------------------------|---------|-----------------|----------------------|
| QPSK           |                 |                              |         |                 |                      |
| Channel        | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | Channel | Frequency (MHz) | 26dB Bandwidth (MHz) |
| 131987         | 1711.5          | 2.6835                       | 131987  | 1711.5          | 2.914                |
| 132322         | 1745            | 2.6915                       | 132322  | 1745            | 2.921                |
| 132657         | 1778.5          | 2.6927                       | 132657  | 1778.5          | 2.914                |
| 16QAM          |                 |                              |         |                 |                      |
| Channel        | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | Channel | Frequency (MHz) | 26dB Bandwidth (MHz) |
| 131987         | 1711.5          | 2.6890                       | 131987  | 1711.5          | 2.909                |
| 132322         | 1745            | 2.6861                       | 132322  | 1745            | 2.895                |
| 132657         | 1778.5          | 2.6841                       | 132657  | 1778.5          | 2.929                |
| 64QAM          |                 |                              |         |                 |                      |
| Channel        | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | Channel | Frequency (MHz) | 26dB Bandwidth (MHz) |
| 131987         | 1711.5          | 2.6879                       | 131987  | 1711.5          | 2.915                |
| 132322         | 1745            | 2.6901                       | 132322  | 1745            | 2.896                |
| 132657         | 1778.5          | 2.6877                       | 132657  | 1778.5          | 2.912                |

## Spectrum Plot

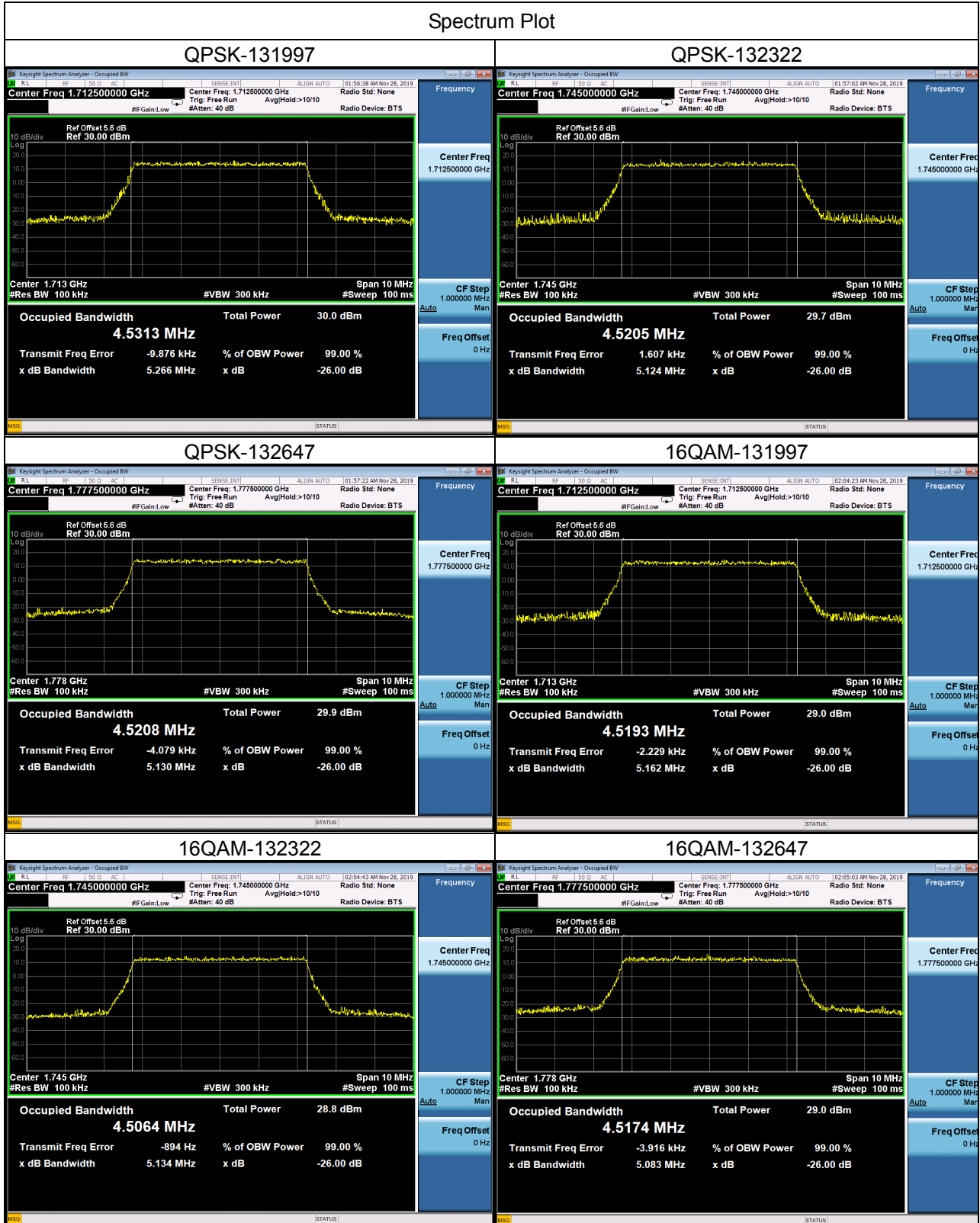




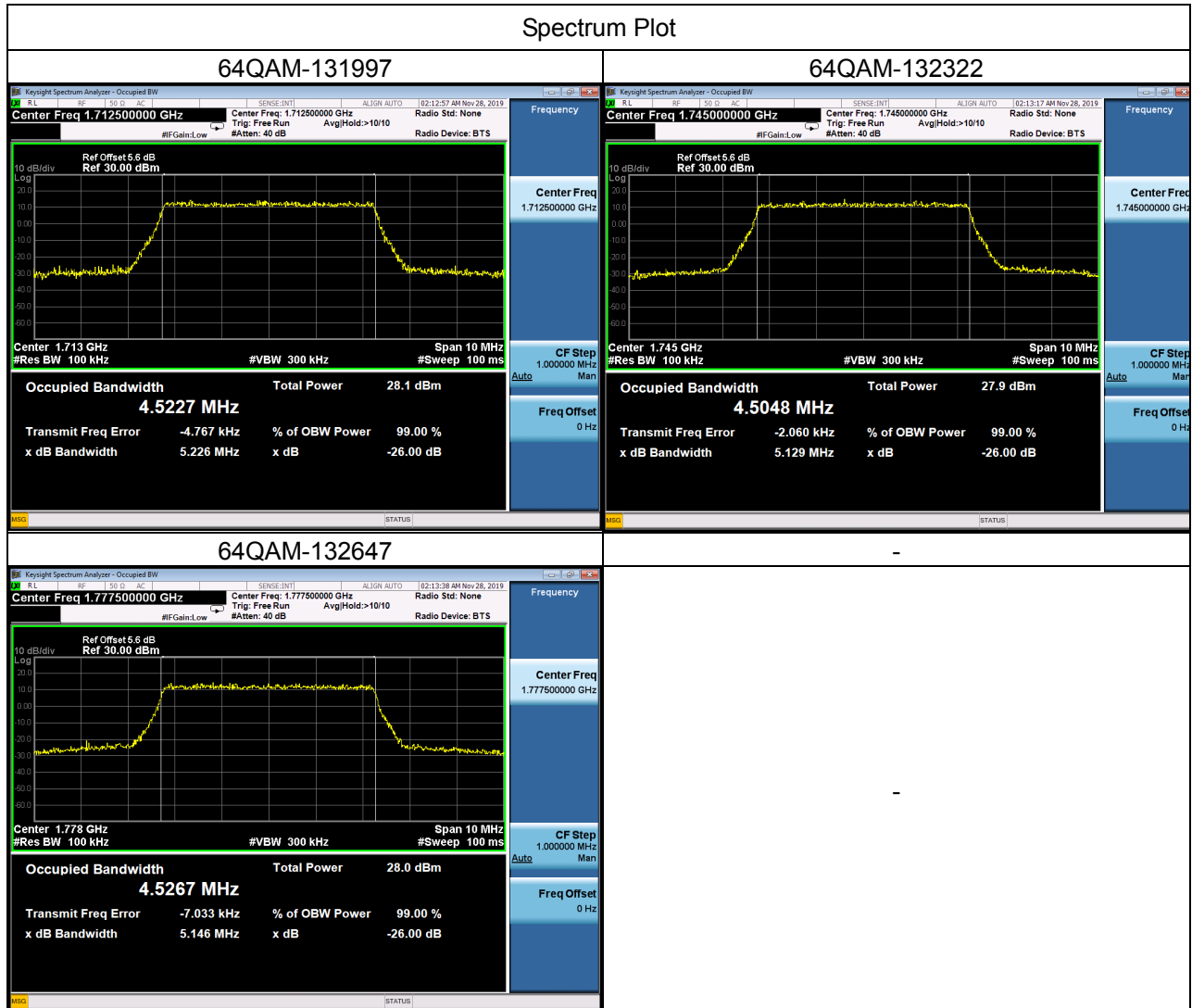
| LTE Band 66_5M |                 |                              |         |                 |                      |
|----------------|-----------------|------------------------------|---------|-----------------|----------------------|
| QPSK           |                 |                              |         |                 |                      |
| Channel        | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | Channel | Frequency (MHz) | 26dB Bandwidth (MHz) |
| 131997         | 1712.5          | 4.5313                       | 131997  | 1712.5          | 5.266                |
| 132322         | 1745            | 4.5205                       | 132322  | 1745            | 5.124                |
| 132647         | 1777.5          | 4.5208                       | 132647  | 1777.5          | 5.130                |
| 16QAM          |                 |                              |         |                 |                      |
| Channel        | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | Channel | Frequency (MHz) | 26dB Bandwidth (MHz) |
| 131997         | 1712.5          | 4.5193                       | 131997  | 1712.5          | 5.162                |
| 132322         | 1745            | 4.5064                       | 132322  | 1745            | 5.134                |
| 132647         | 1777.5          | 4.5174                       | 132647  | 1777.5          | 5.083                |
| 64QAM          |                 |                              |         |                 |                      |
| Channel        | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | Channel | Frequency (MHz) | 26dB Bandwidth (MHz) |
| 131997         | 1712.5          | 4.5227                       | 131997  | 1712.5          | 5.226                |
| 132322         | 1745            | 4.5048                       | 132322  | 1745            | 5.129                |
| 132647         | 1777.5          | 4.5267                       | 132647  | 1777.5          | 5.146                |



## Spectrum Plot

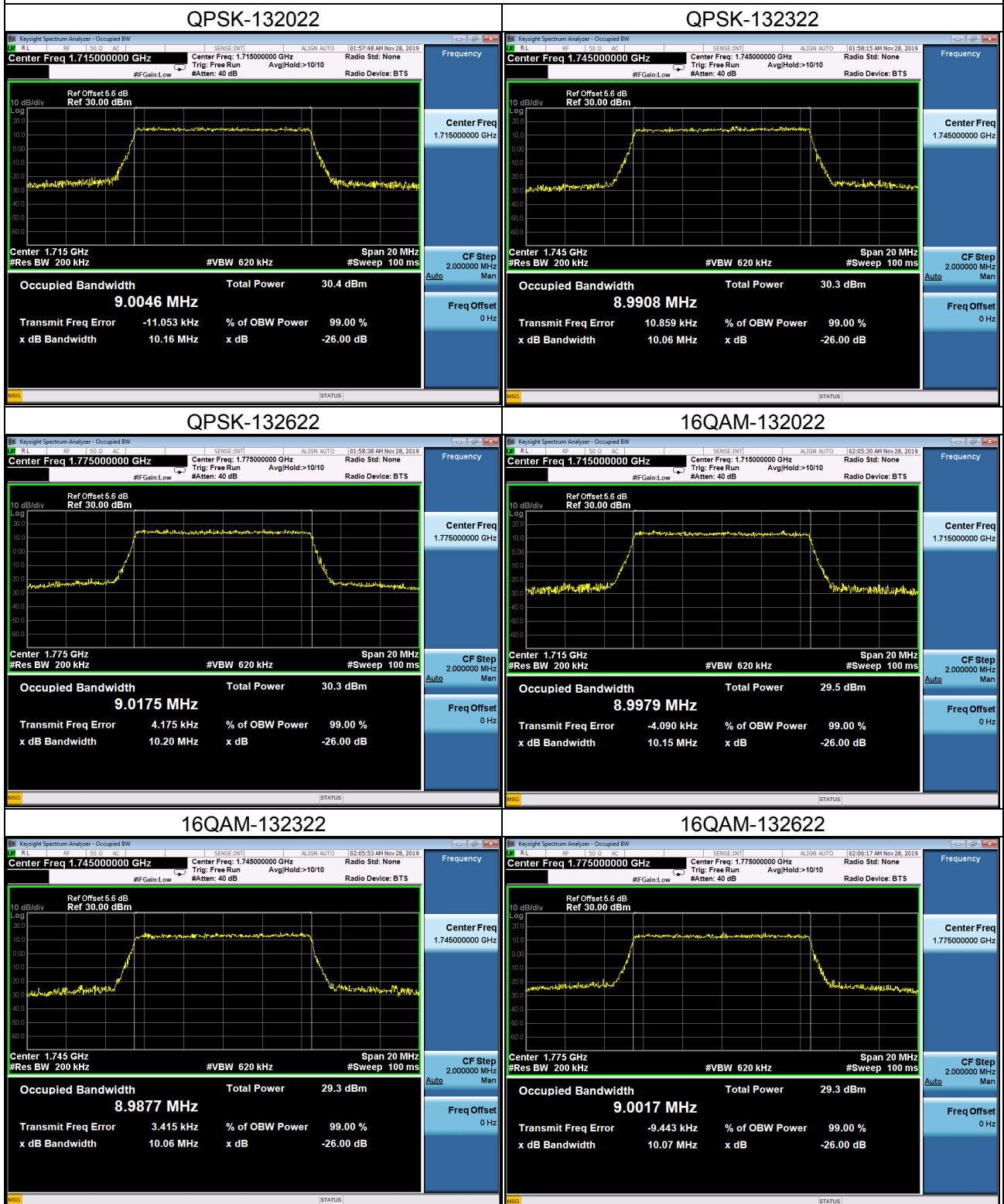


## Spectrum Plot



| LTE Band 66_10M |                 |                              |         |                 |                      |
|-----------------|-----------------|------------------------------|---------|-----------------|----------------------|
| QPSK            |                 |                              |         |                 |                      |
| Channel         | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | Channel | Frequency (MHz) | 26dB Bandwidth (MHz) |
| 132022          | 1715            | 9.0046                       | 132022  | 1715            | 10.16                |
| 132322          | 1745            | 8.9908                       | 132322  | 1745            | 10.06                |
| 132622          | 1775            | 9.0175                       | 132622  | 1775            | 10.20                |
| 16QAM           |                 |                              |         |                 |                      |
| Channel         | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | Channel | Frequency (MHz) | 26dB Bandwidth (MHz) |
| 132022          | 1715            | 8.9979                       | 132022  | 1715            | 10.15                |
| 132322          | 1745            | 8.9877                       | 132322  | 1745            | 10.06                |
| 132622          | 1775            | 9.0017                       | 132622  | 1775            | 10.07                |
| 64QAM           |                 |                              |         |                 |                      |
| Channel         | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | Channel | Frequency (MHz) | 26dB Bandwidth (MHz) |
| 132022          | 1715            | 8.9894                       | 132022  | 1715            | 10.05                |
| 132322          | 1745            | 8.9788                       | 132322  | 1745            | 9.997                |
| 132622          | 1775            | 9.0008                       | 132622  | 1775            | 10.06                |

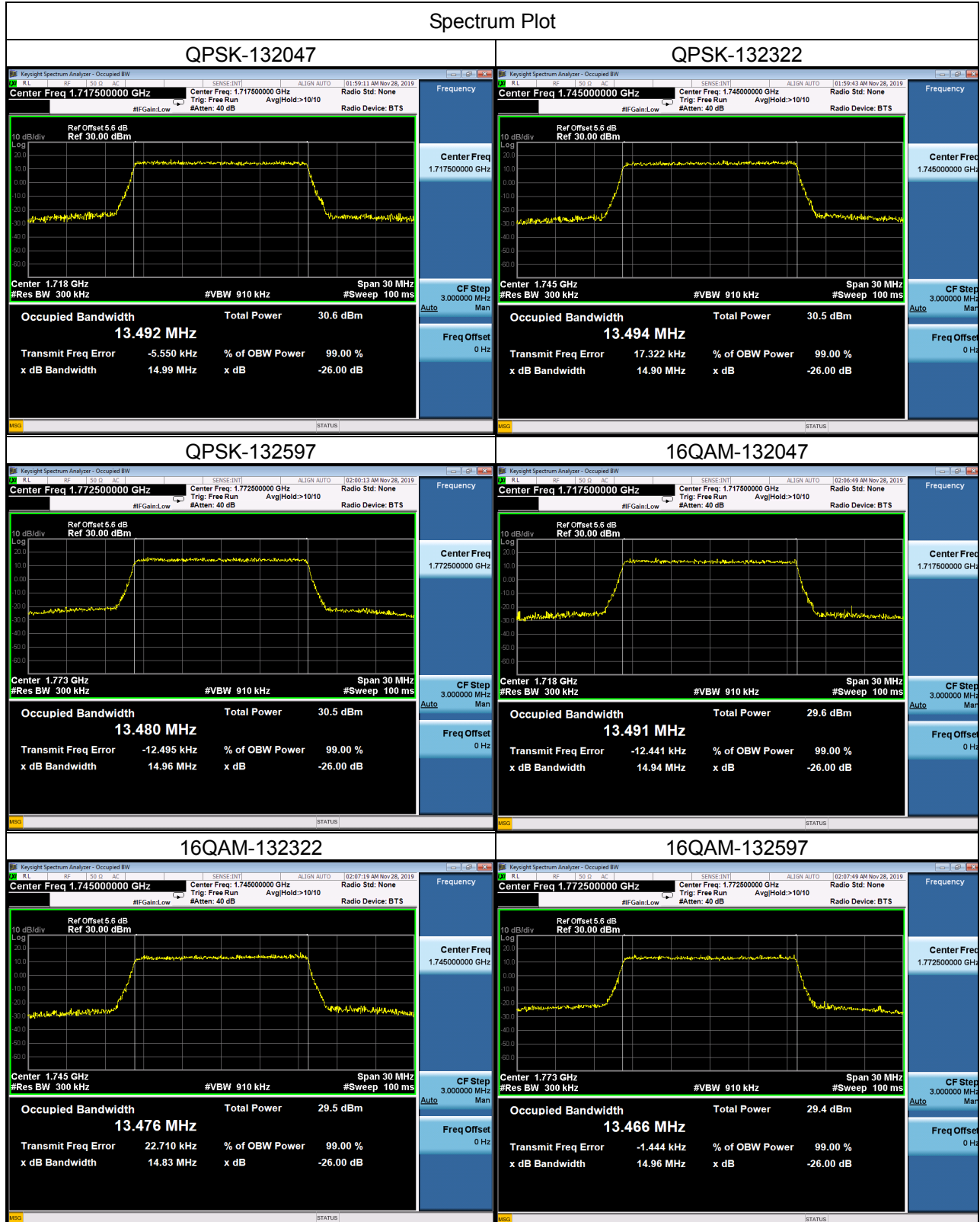
## Spectrum Plot



## Spectrum Plot



| LTE Band 66_15M |                 |                              |         |                 |                      |
|-----------------|-----------------|------------------------------|---------|-----------------|----------------------|
| QPSK            |                 |                              |         |                 |                      |
| Channel         | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | Channel | Frequency (MHz) | 26dB Bandwidth (MHz) |
| 132047          | 1717.5          | 13.492                       | 132047  | 1717.5          | 14.99                |
| 132322          | 1745            | 13.494                       | 132322  | 1745            | 14.90                |
| 132597          | 1772.5          | 13.480                       | 132597  | 1772.5          | 14.96                |
| 16QAM           |                 |                              |         |                 |                      |
| Channel         | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | Channel | Frequency (MHz) | 26dB Bandwidth (MHz) |
| 132047          | 1717.5          | 13.491                       | 132047  | 1717.5          | 14.94                |
| 132322          | 1745            | 13.476                       | 132322  | 1745            | 14.83                |
| 132597          | 1772.5          | 13.466                       | 132597  | 1772.5          | 14.96                |
| 64QAM           |                 |                              |         |                 |                      |
| Channel         | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | Channel | Frequency (MHz) | 26dB Bandwidth (MHz) |
| 132047          | 1717.5          | 13.491                       | 132047  | 1717.5          | 15.03                |
| 132322          | 1745            | 13.459                       | 132322  | 1745            | 14.96                |
| 132597          | 1772.5          | 13.498                       | 132597  | 1772.5          | 15.15                |



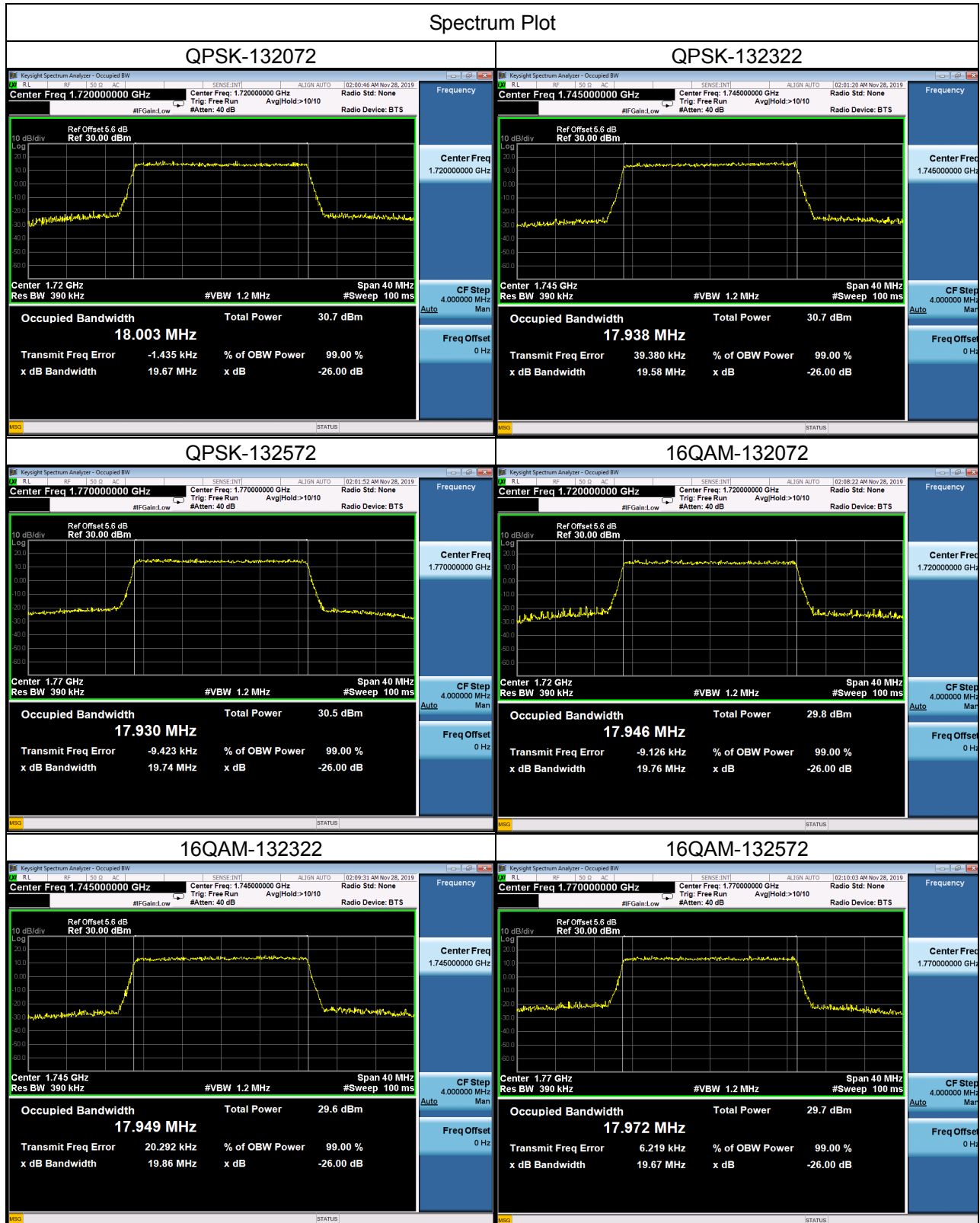
## Spectrum Plot





| LTE Band 66_20M |                 |                              |         |                 |                      |
|-----------------|-----------------|------------------------------|---------|-----------------|----------------------|
| QPSK            |                 |                              |         |                 |                      |
| Channel         | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | Channel | Frequency (MHz) | 26dB Bandwidth (MHz) |
| 132072          | 1720            | 18.003                       | 132072  | 1720            | 19.67                |
| 132322          | 1745            | 17.938                       | 132322  | 1745            | 19.58                |
| 132572          | 1770            | 17.930                       | 132572  | 1770            | 19.74                |
| 16QAM           |                 |                              |         |                 |                      |
| Channel         | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | Channel | Frequency (MHz) | 26dB Bandwidth (MHz) |
| 132072          | 1720            | 17.946                       | 132072  | 1720            | 19.76                |
| 132322          | 1745            | 17.949                       | 132322  | 1745            | 19.86                |
| 132572          | 1770            | 17.972                       | 132572  | 1770            | 19.67                |
| 64QAM           |                 |                              |         |                 |                      |
| Channel         | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | Channel | Frequency (MHz) | 26dB Bandwidth (MHz) |
| 132072          | 1720            | 17.978                       | 132072  | 1720            | 19.80                |
| 132322          | 1745            | 17.990                       | 132322  | 1745            | 19.84                |
| 132572          | 1770            | 17.954                       | 132572  | 1770            | 19.70                |

## Spectrum Plot



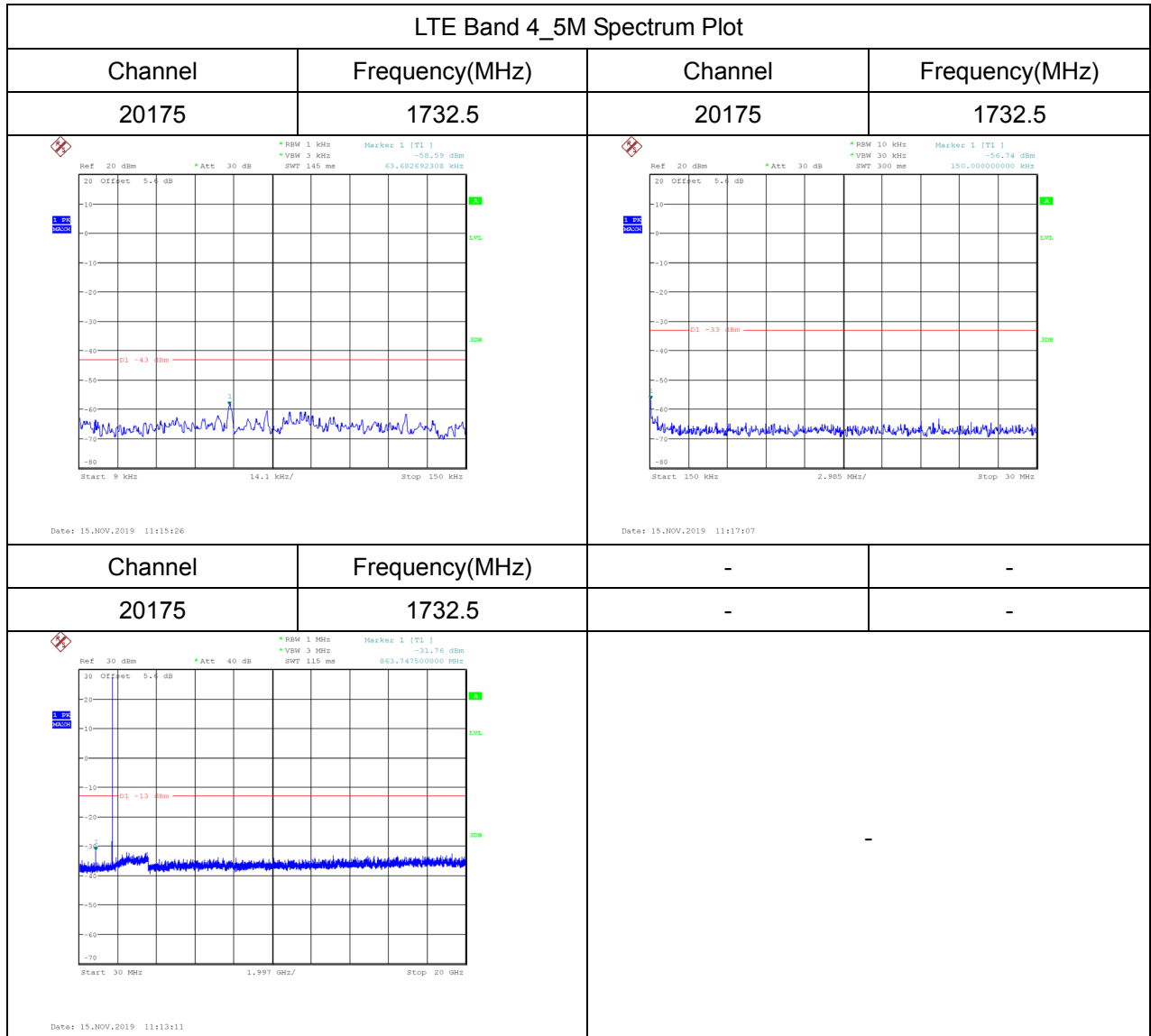
## Spectrum Plot

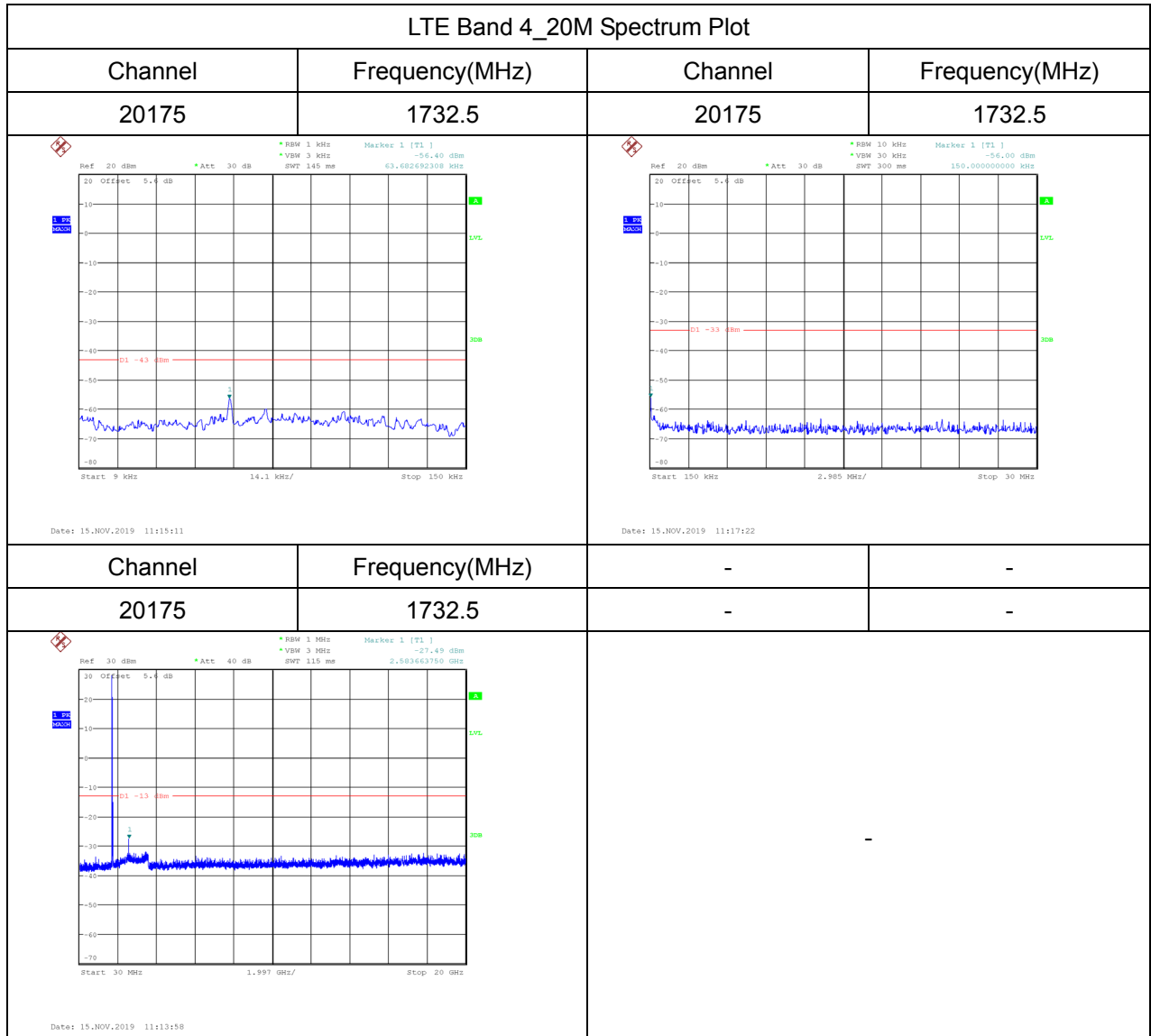


**APPENDIX C - CONDUCTED SPURIOUS EMISSIONS**

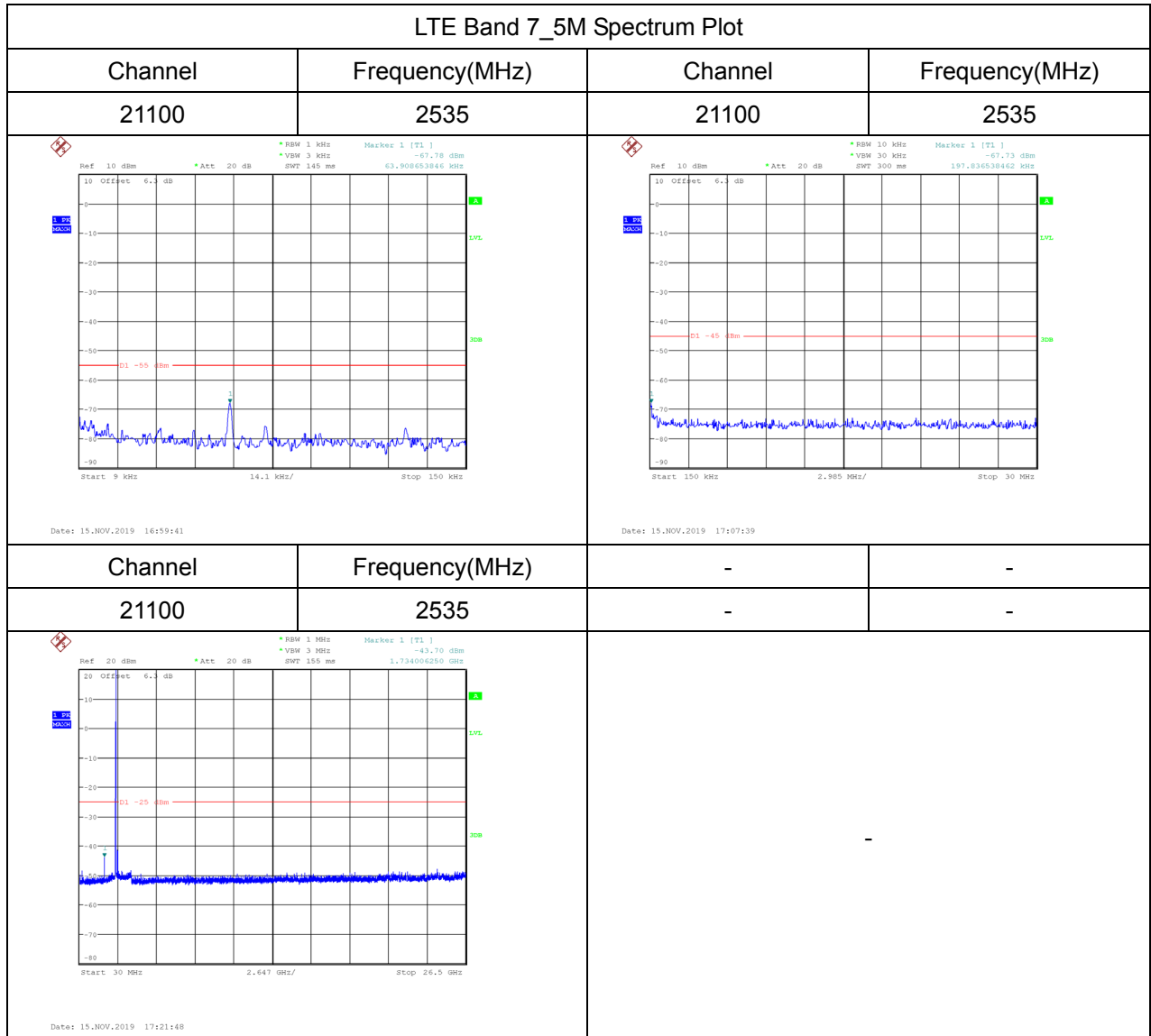
| WCDMA Band IV_WCDMA               |                |                                   |                |
|-----------------------------------|----------------|-----------------------------------|----------------|
| Channel                           | Frequency(MHz) | Channel                           | Frequency(MHz) |
| 1413                              | 1732.6         | 1413                              | 1732.6         |
| <p>Date: 15.NOV.2019 18:23:16</p> |                | <p>Date: 15.NOV.2019 18:22:48</p> |                |
| Channel                           | Frequency(MHz) | -                                 | -              |
| 1413                              | 1732.6         | -                                 | -              |
| <p>Date: 15.NOV.2019 18:22:07</p> |                |                                   |                |

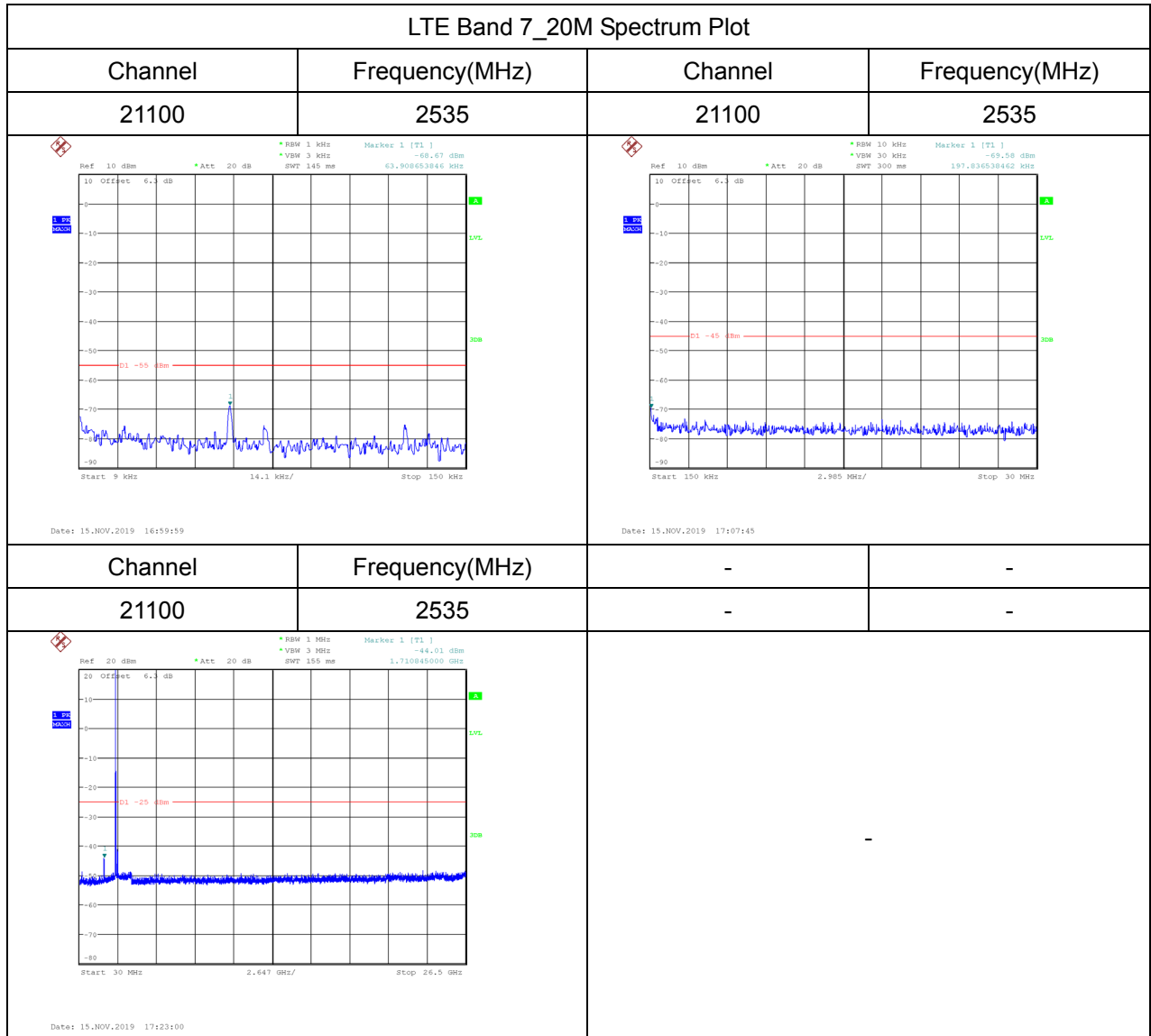




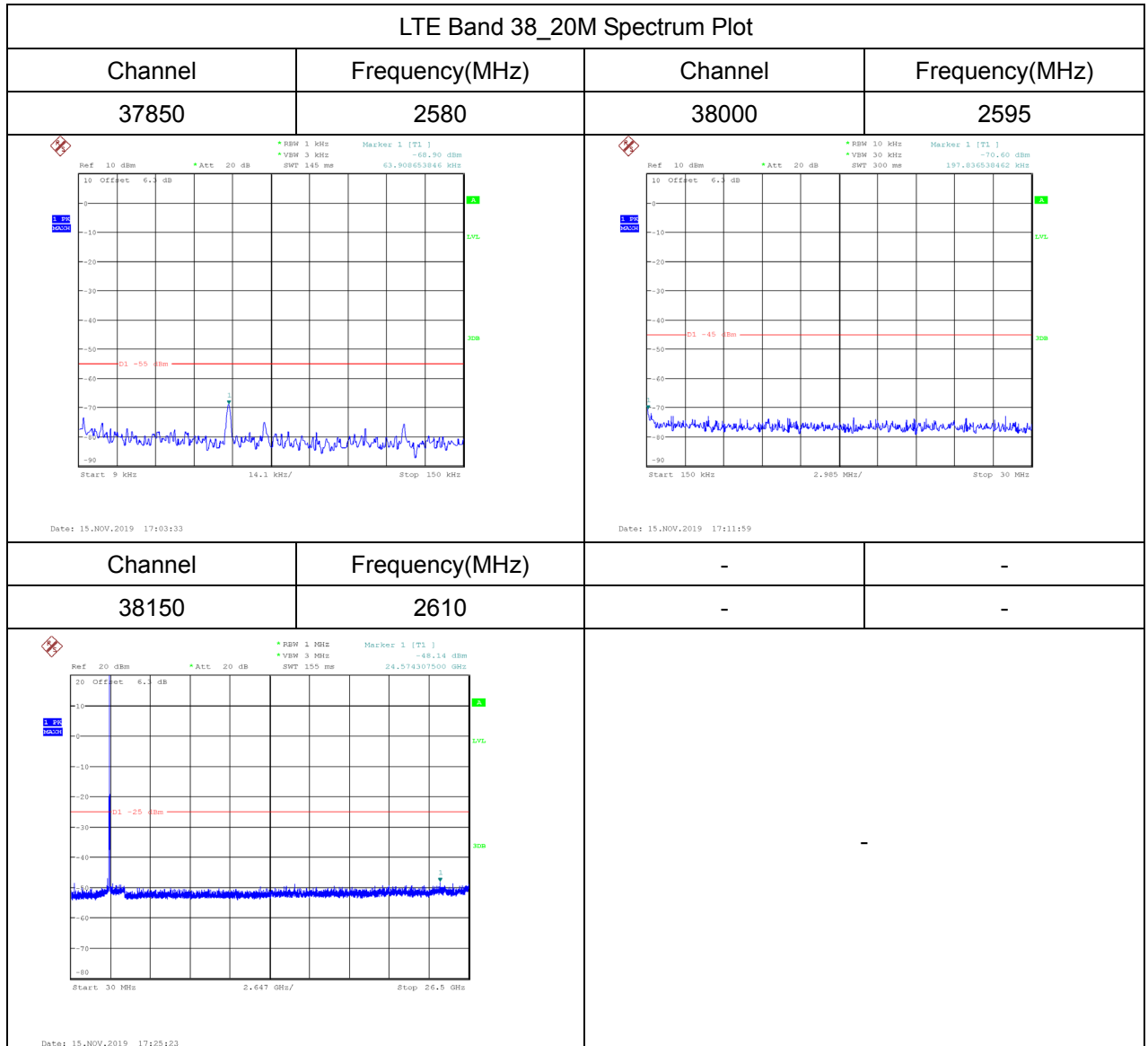


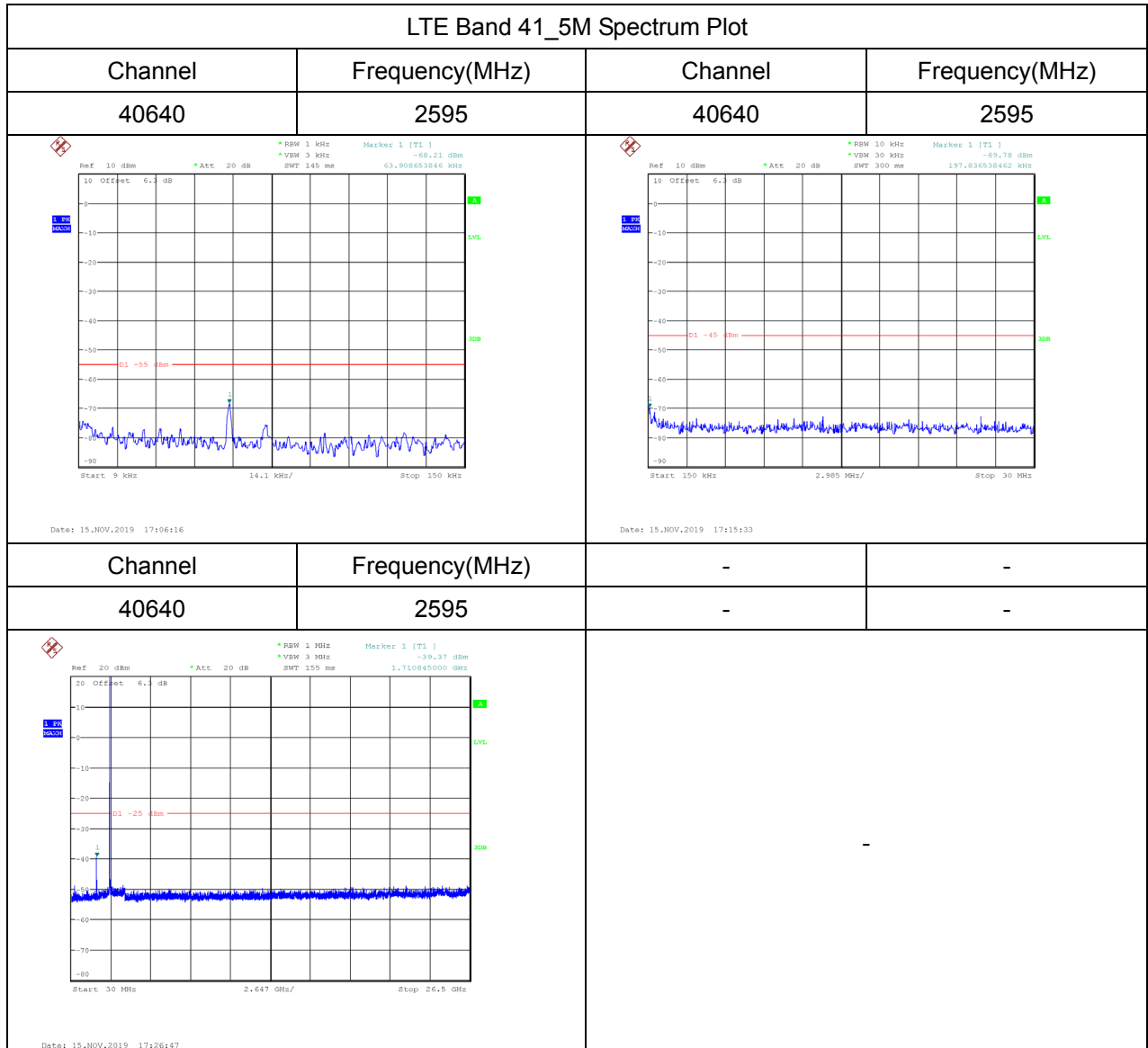


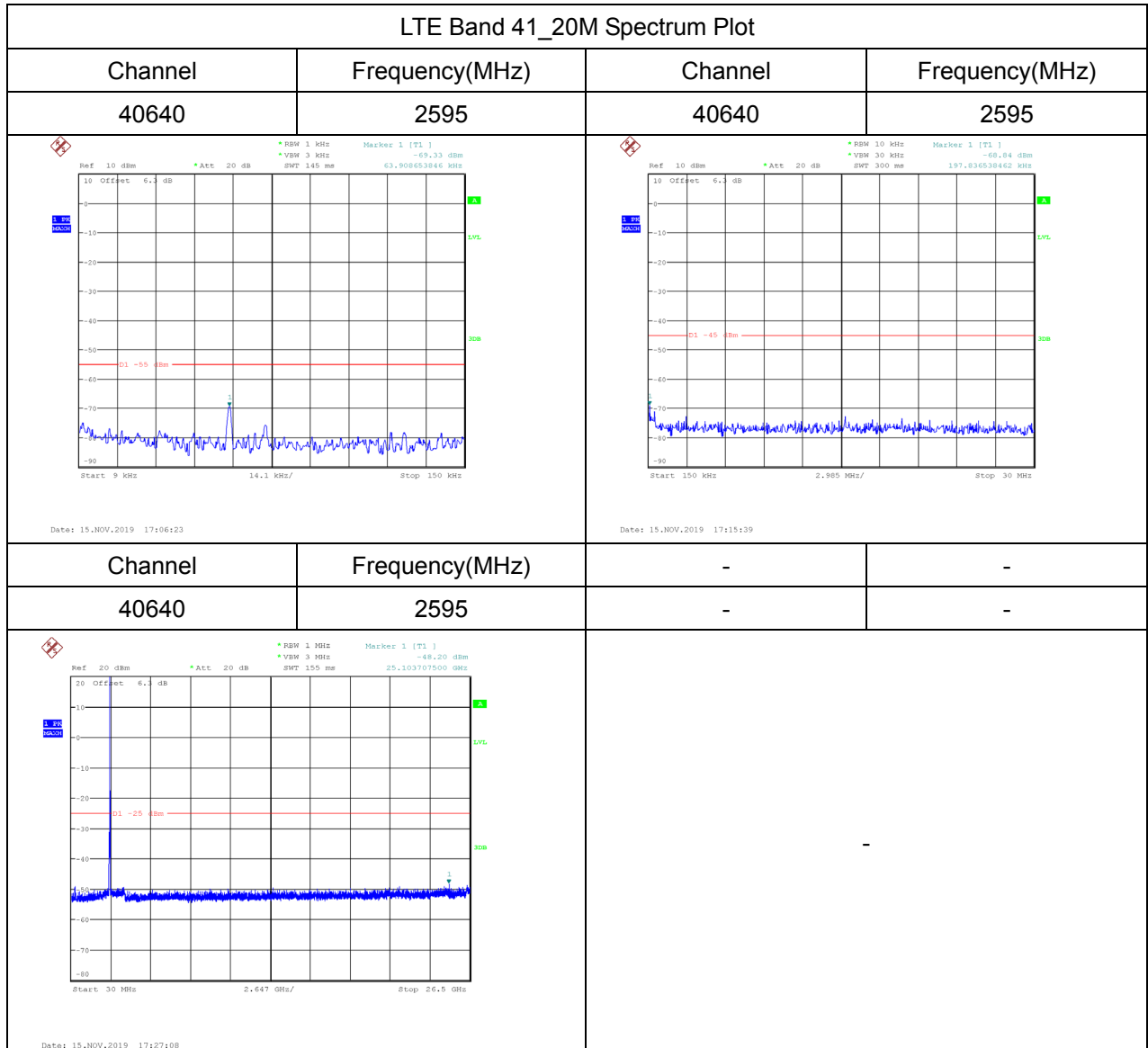


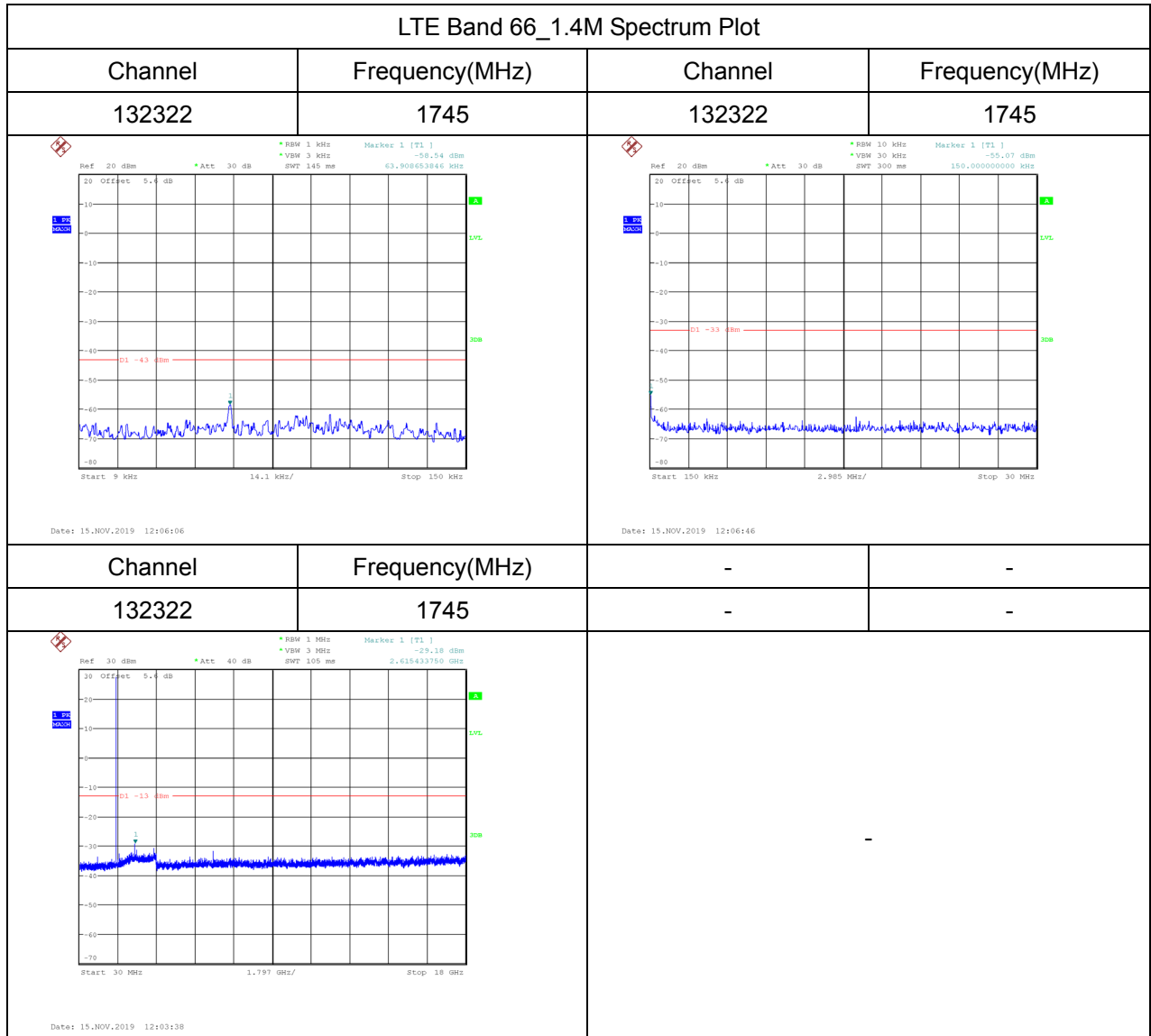


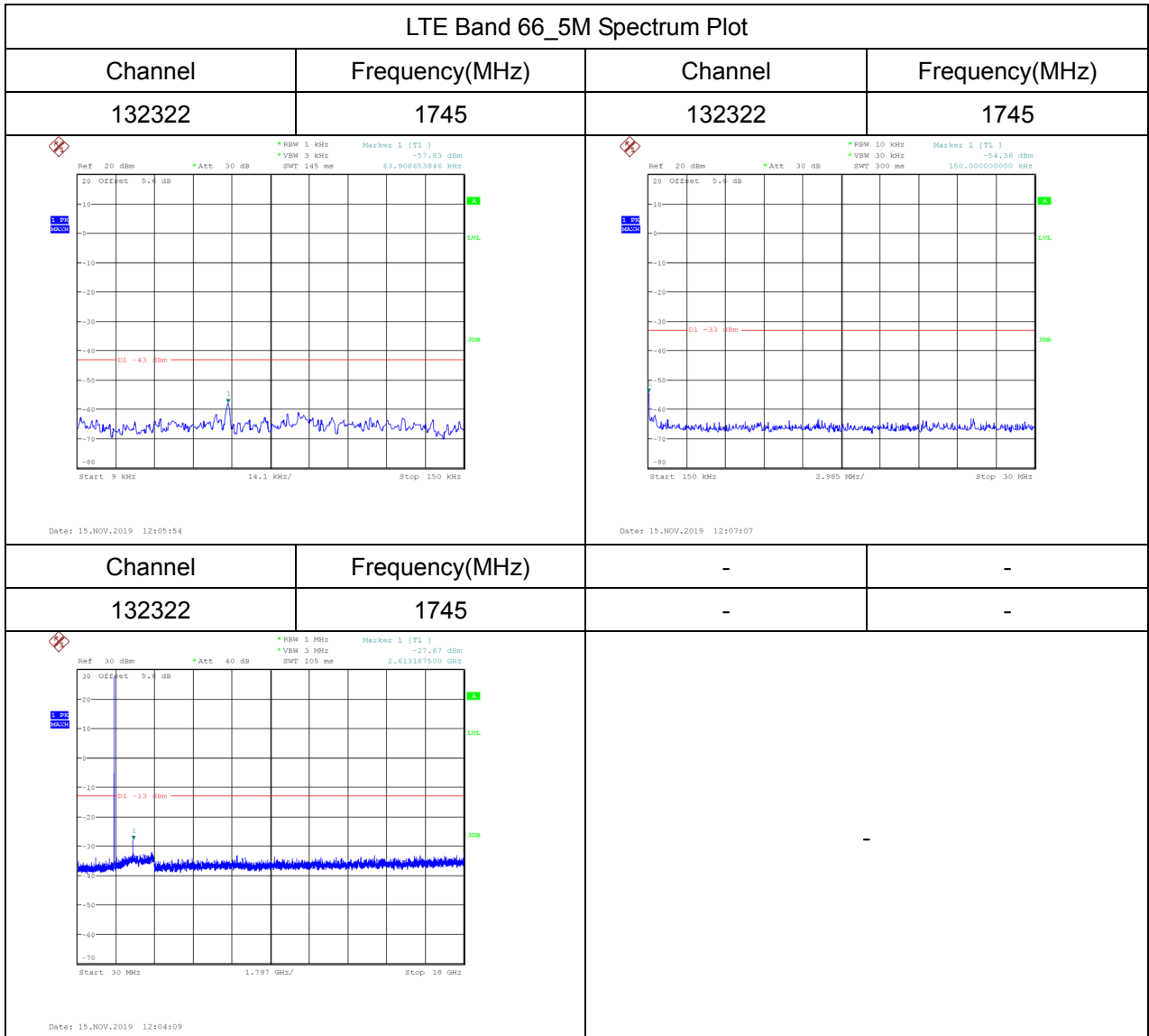
| LTE Band 38_5M Spectrum Plot |                |                            |                |
|------------------------------|----------------|----------------------------|----------------|
| Channel                      | Frequency(MHz) | Channel                    | Frequency(MHz) |
| 37775                        | 2572.5         | 38000                      | 2595           |
|                              |                |                            |                |
| Date: 15.NOV.2019 17:03:25   |                | Date: 15.NOV.2019 17:11:49 |                |
| Channel                      | Frequency(MHz) | -                          | -              |
| 38225                        | 2617.5         | -                          | -              |
|                              |                |                            |                |
| Date: 15.NOV.2019 17:25:02   |                |                            |                |



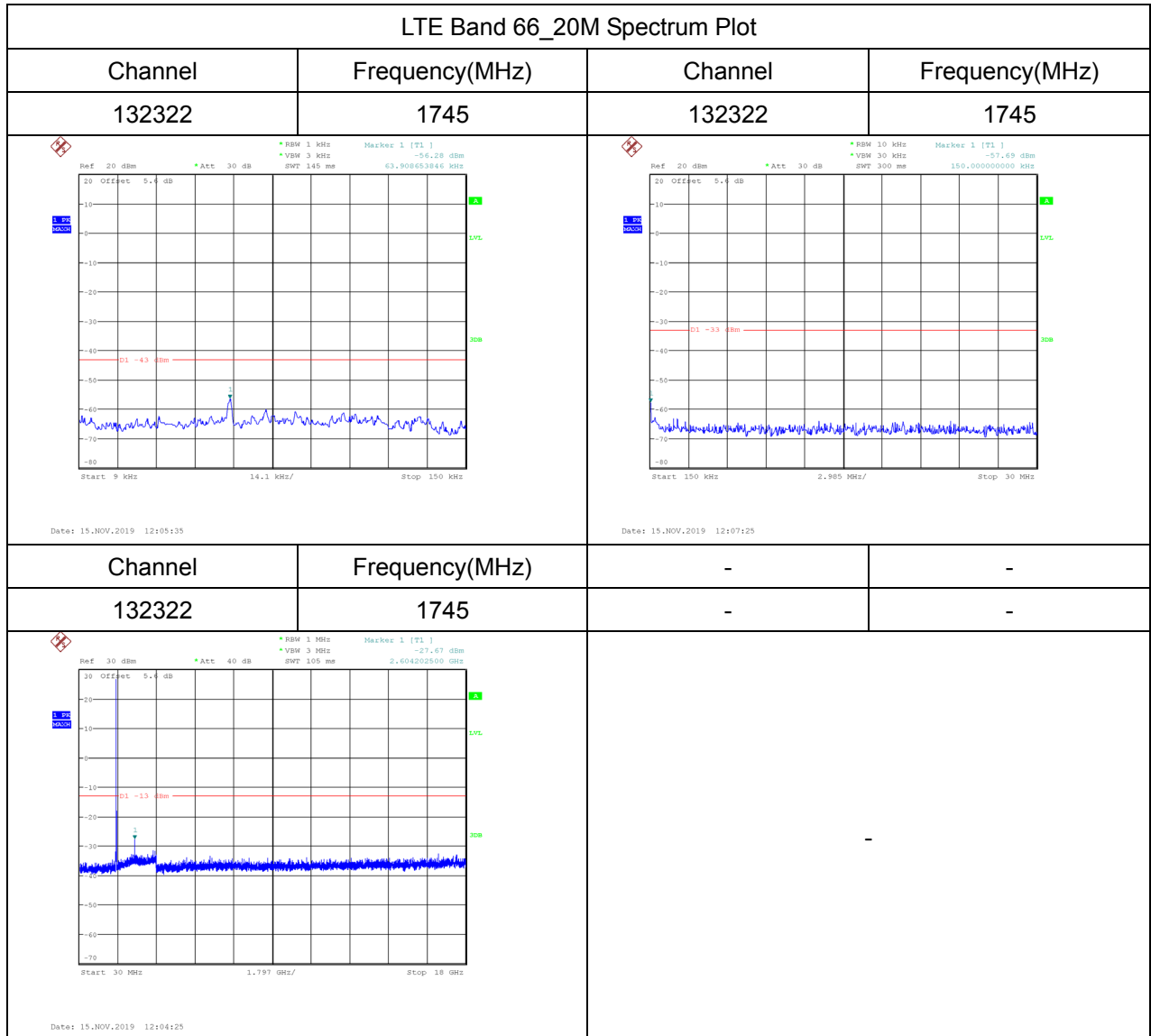








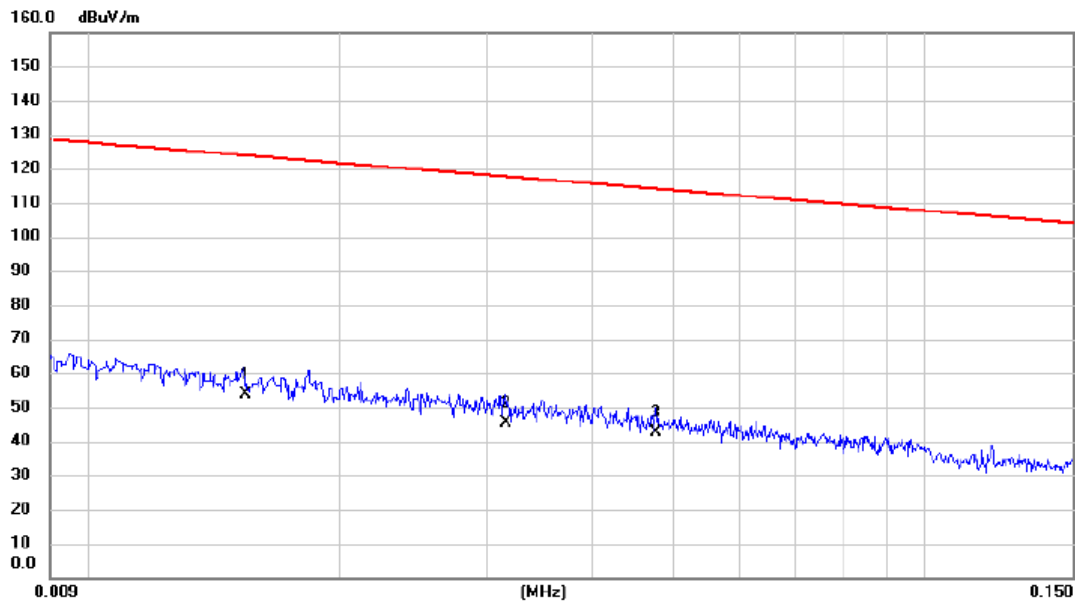




## **APPENDIX D - RADIATED SPURIOUS EMISSIONS (9KHZ TO 30MHZ)**

|           |         |
|-----------|---------|
| Test Mode | TX Mode |
|-----------|---------|

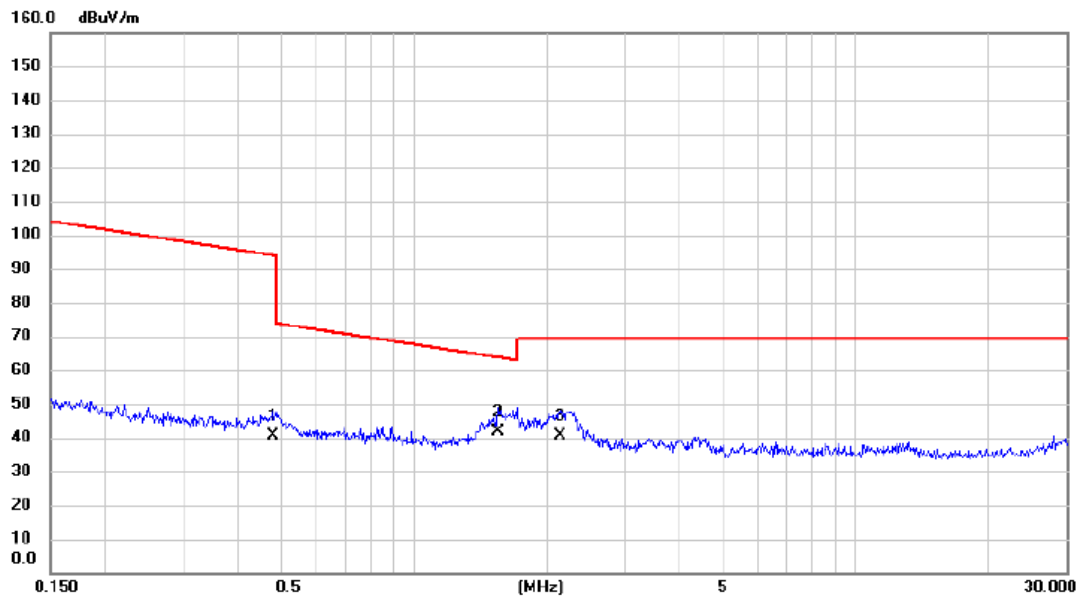
**Ant 0°**



| No. | Mk. | Freq.<br>MHz | Reading Level<br>dBuV | Correct Factor<br>dB | Measurement<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-----------------------|----------------------|-----------------------|-----------------|--------------|----------|---------|
| 1   | *   | 0.0154       | 38.45                 | 15.20                | 53.65                 | 123.85          | -70.20       | AVG      |         |
| 2   |     | 0.0316       | 31.58                 | 13.86                | 45.44                 | 117.61          | -72.17       | AVG      |         |
| 3   |     | 0.0477       | 28.73                 | 13.92                | 42.65                 | 114.03          | -71.38       | AVG      |         |

|           |         |
|-----------|---------|
| Test Mode | TX Mode |
|-----------|---------|

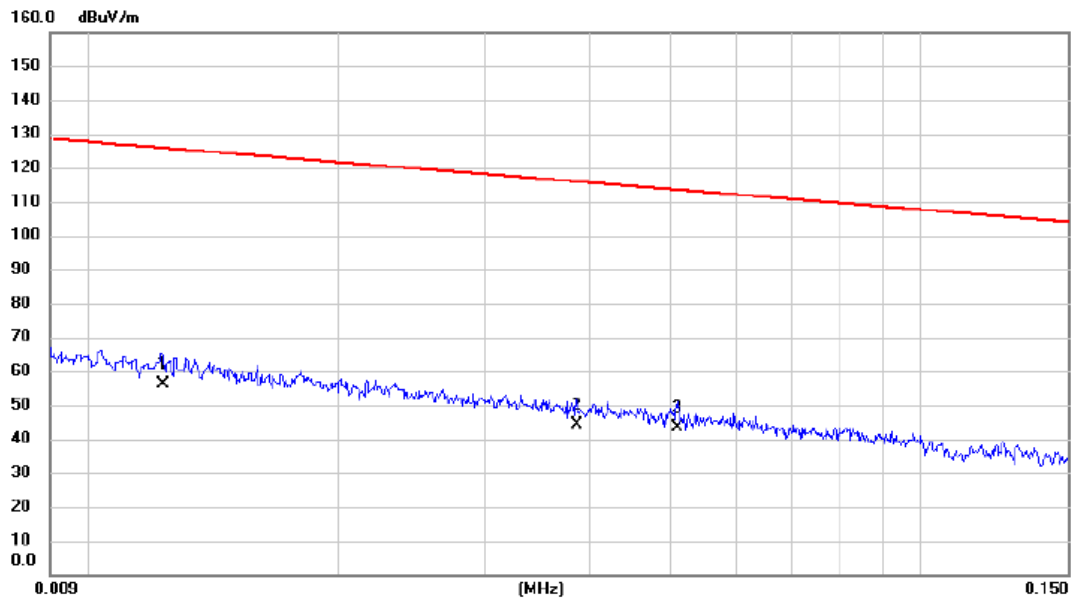
**Ant 0°**



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   |     | 0.4786       | 27.65                    | 13.11                   | 40.76                      | 94.00           | -53.24       | AVG      |         |
| 2   | *   | 1.5518       | 29.87                    | 12.12                   | 41.99                      | 63.79           | -21.80       | QP       |         |
| 3   |     | 2.1440       | 28.74                    | 11.73                   | 40.47                      | 69.54           | -29.07       | QP       |         |

|           |         |
|-----------|---------|
| Test Mode | TX Mode |
|-----------|---------|

**Ant 90°**



| No. | Mk. | Freq.  | Reading Level | Correct Factor | Measurement | Limit  | Margin | Detector | Comment |
|-----|-----|--------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz    | dBuV          | dB             | dBuV/m      | dBuV/m | dB     |          |         |
| 1   | *   | 0.0123 | 40.25         | 16.13          | 56.38       | 125.81 | -69.43 | AVG      |         |
| 2   |     | 0.0387 | 30.14         | 13.89          | 44.03       | 115.85 | -71.82 | AVG      |         |
| 3   |     | 0.0510 | 29.66         | 13.91          | 43.57       | 113.45 | -69.88 | AVG      |         |