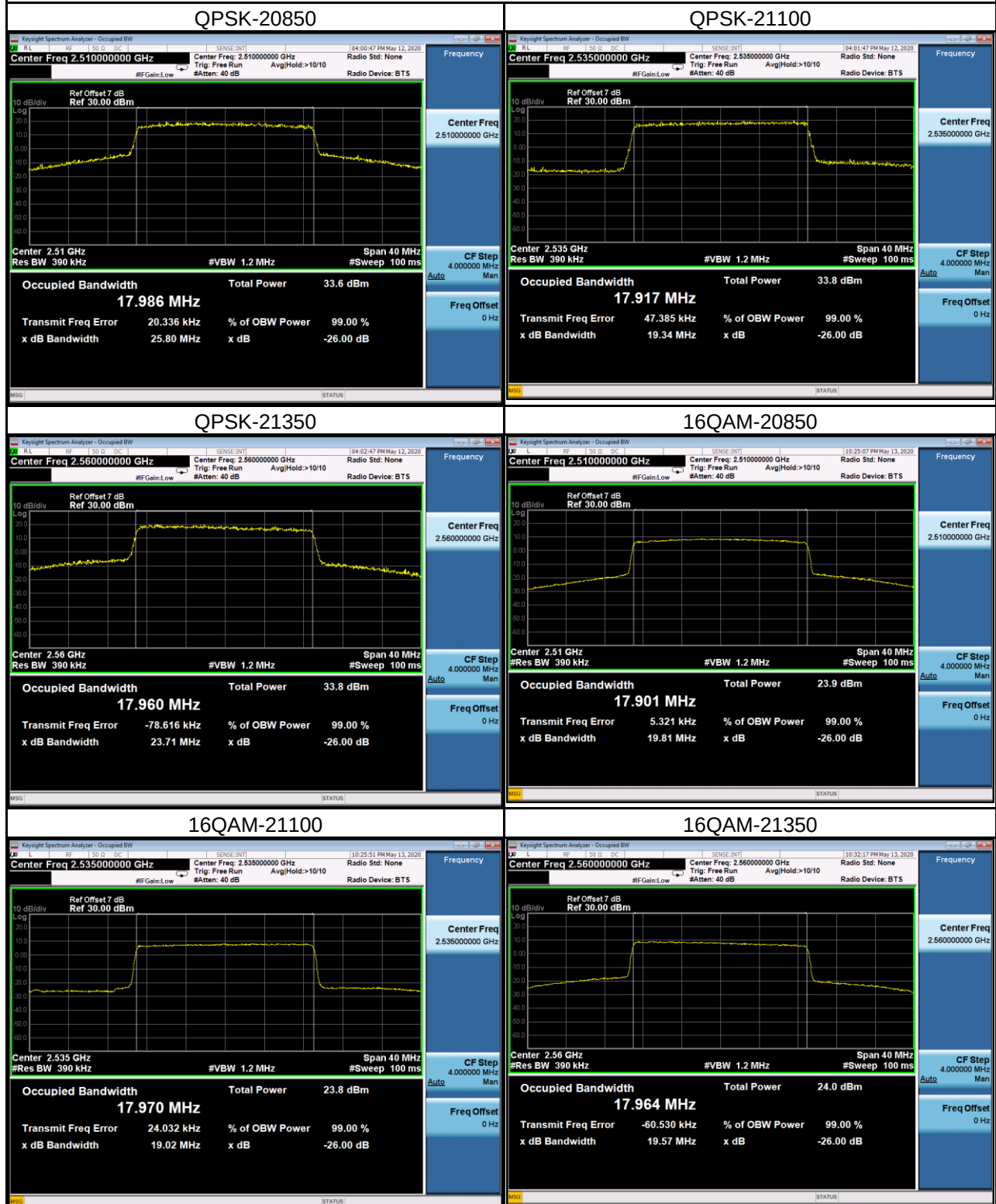
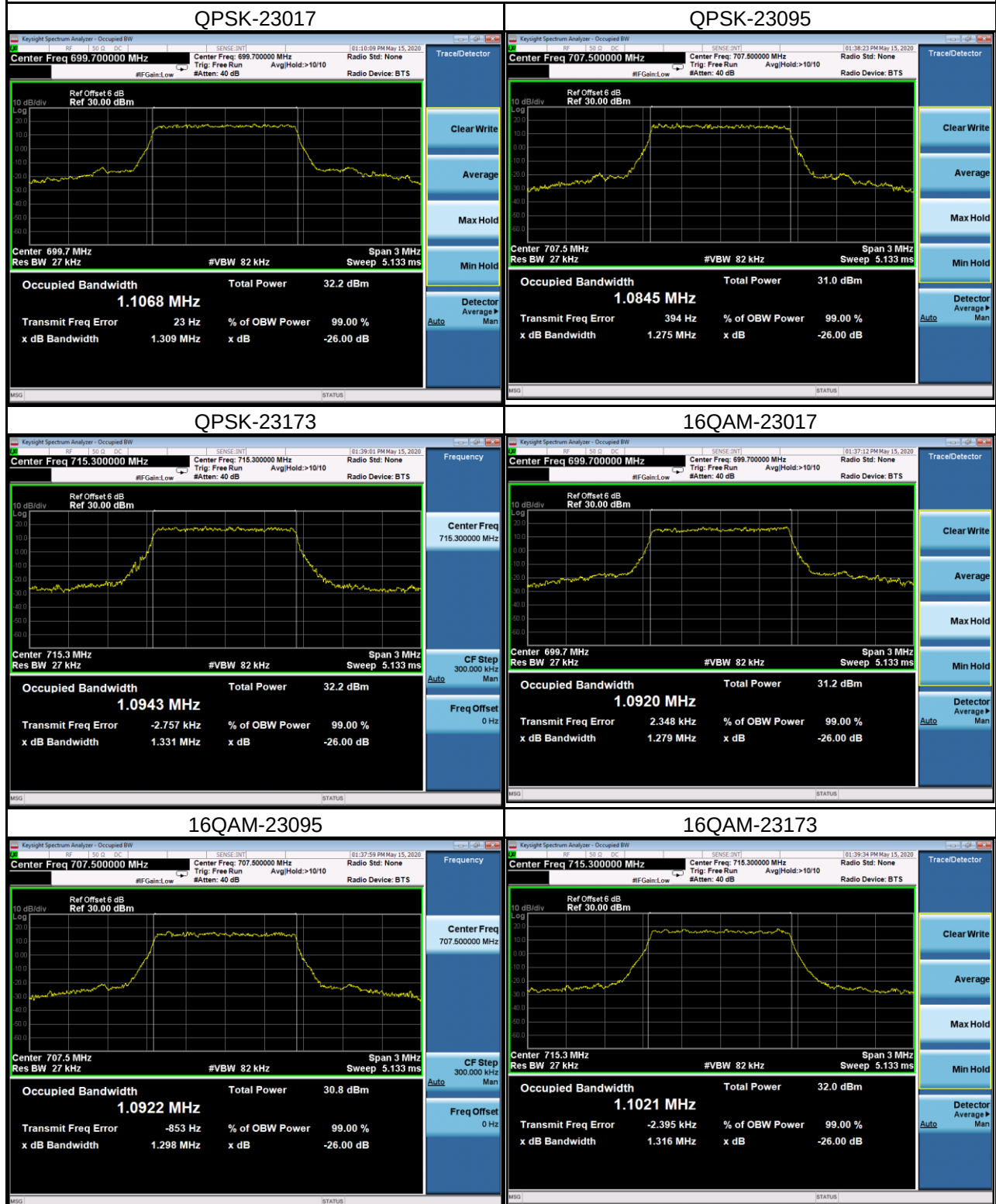


## Spectrum Plot



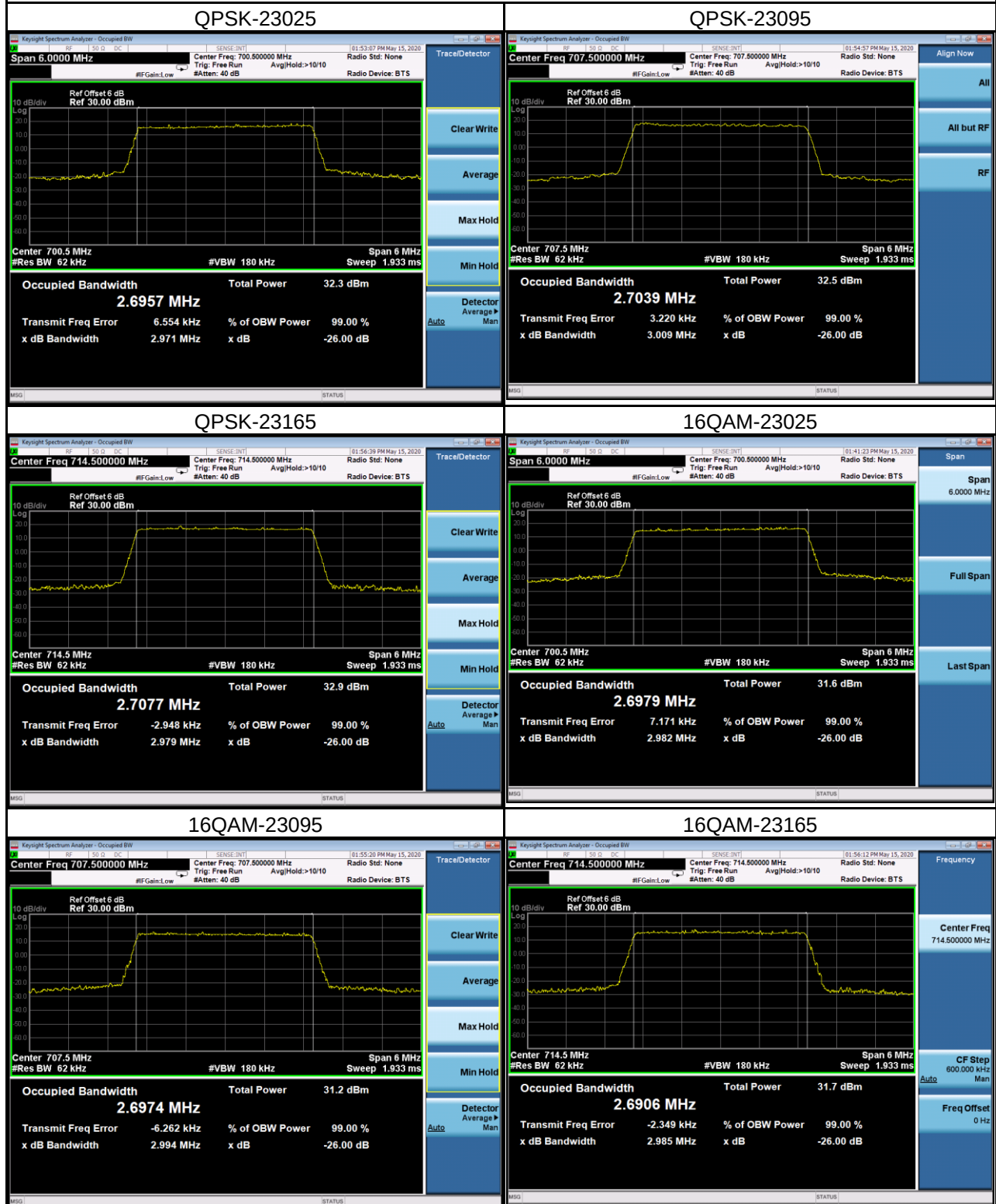
| LTE Band 12_1.4M |                 |                              |         |                 |                              |
|------------------|-----------------|------------------------------|---------|-----------------|------------------------------|
| QPSK             |                 |                              | 16QAM   |                 |                              |
| Channel          | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | Channel | Frequency (MHz) | 99% Occupied Bandwidth (MHz) |
| 23017            | 699.7           | 1.1068                       | 23017   | 699.7           | 1.0920                       |
| 23095            | 707.5           | 1.0845                       | 23095   | 707.5           | 1.0922                       |
| 23173            | 715.3           | 1.0943                       | 23173   | 715.3           | 1.1021                       |
| Channel          | Frequency (MHz) | 26dB Bandwidth (MHz)         | Channel | Frequency (MHz) | 26dB Bandwidth (MHz)         |
| 23017            | 699.7           | 1.3090                       | 23017   | 699.7           | 1.2790                       |
| 23095            | 707.5           | 1.2750                       | 23095   | 707.5           | 1.2980                       |
| 23173            | 715.3           | 1.3310                       | 23173   | 715.3           | 1.3160                       |

## Spectrum Plot



| LTE Band 12_3M |                 |                              |         |                 |                              |
|----------------|-----------------|------------------------------|---------|-----------------|------------------------------|
| QPSK           |                 |                              | 16QAM   |                 |                              |
| Channel        | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | Channel | Frequency (MHz) | 99% Occupied Bandwidth (MHz) |
| 23025          | 700.5           | 2.6957                       | 23025   | 700.5           | 2.6979                       |
| 23095          | 707.5           | 2.7039                       | 23095   | 707.5           | 2.6974                       |
| 23165          | 714.5           | 2.7077                       | 23165   | 714.5           | 2.6906                       |
| Channel        | Frequency (MHz) | 26dB Bandwidth (MHz)         | Channel | Frequency (MHz) | 26dB Bandwidth (MHz)         |
| 23025          | 700.5           | 2.9710                       | 23025   | 700.5           | 2.9820                       |
| 23095          | 707.5           | 3.0090                       | 23095   | 707.5           | 2.9940                       |
| 23165          | 714.5           | 2.9790                       | 23165   | 714.5           | 2.9850                       |

## Spectrum Plot



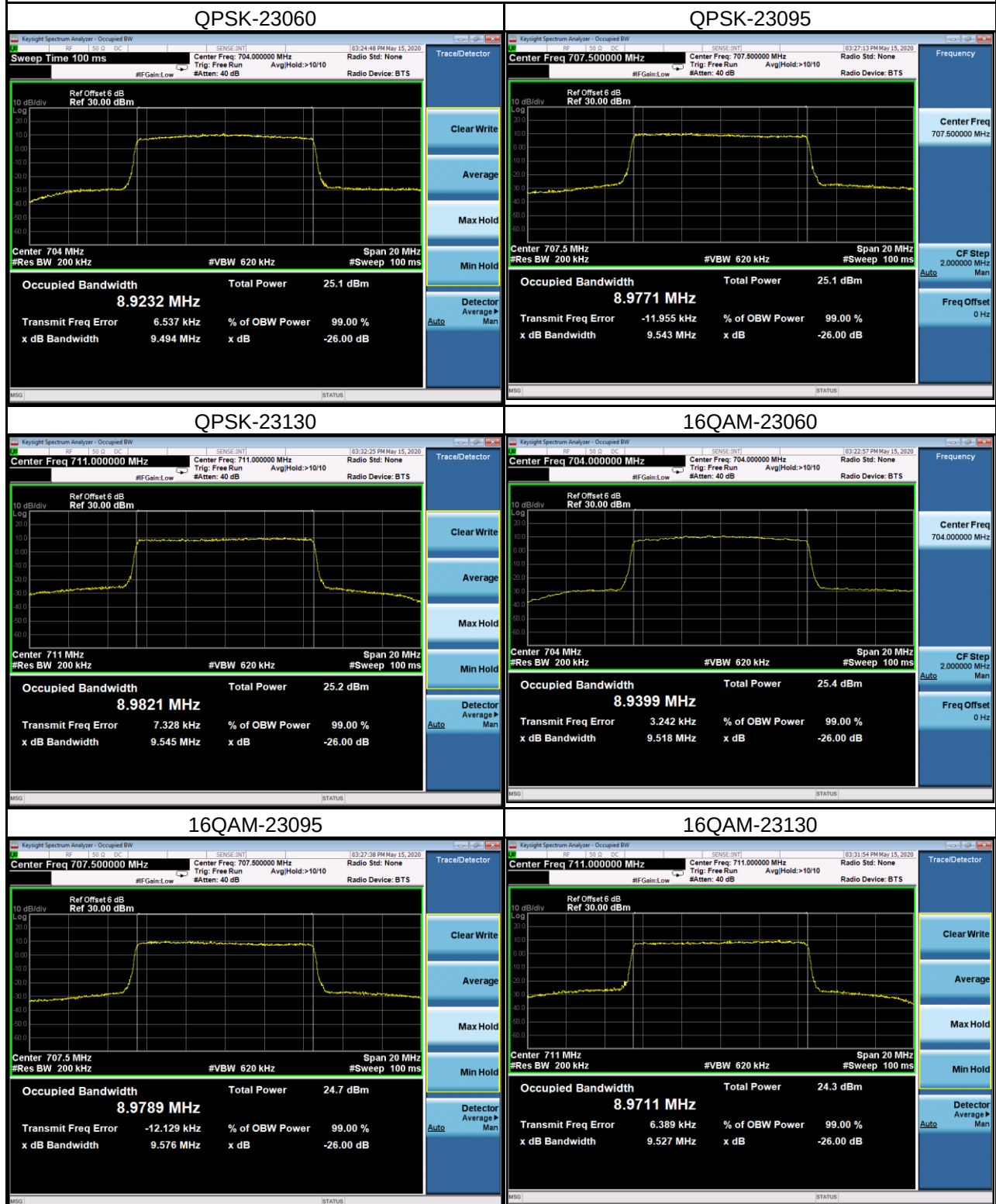
| LTE Band 12_5M |                 |                              |         |                 |                              |
|----------------|-----------------|------------------------------|---------|-----------------|------------------------------|
| QPSK           |                 |                              | 16QAM   |                 |                              |
| Channel        | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | Channel | Frequency (MHz) | 99% Occupied Bandwidth (MHz) |
| 23035          | 701.5           | 4.5094                       | 23035   | 701.5           | 4.5015                       |
| 23095          | 707.5           | 4.5171                       | 23095   | 707.5           | 4.5027                       |
| 23155          | 713.5           | 4.5063                       | 23155   | 713.5           | 4.5073                       |
| Channel        | Frequency (MHz) | 26dB Bandwidth (MHz)         | Channel | Frequency (MHz) | 26dB Bandwidth (MHz)         |
| 23035          | 701.5           | 4.9470                       | 23035   | 701.5           | 4.9330                       |
| 23095          | 707.5           | 5.0070                       | 23095   | 707.5           | 4.9870                       |
| 23155          | 713.5           | 4.9820                       | 23155   | 713.5           | 4.9390                       |

## Spectrum Plot



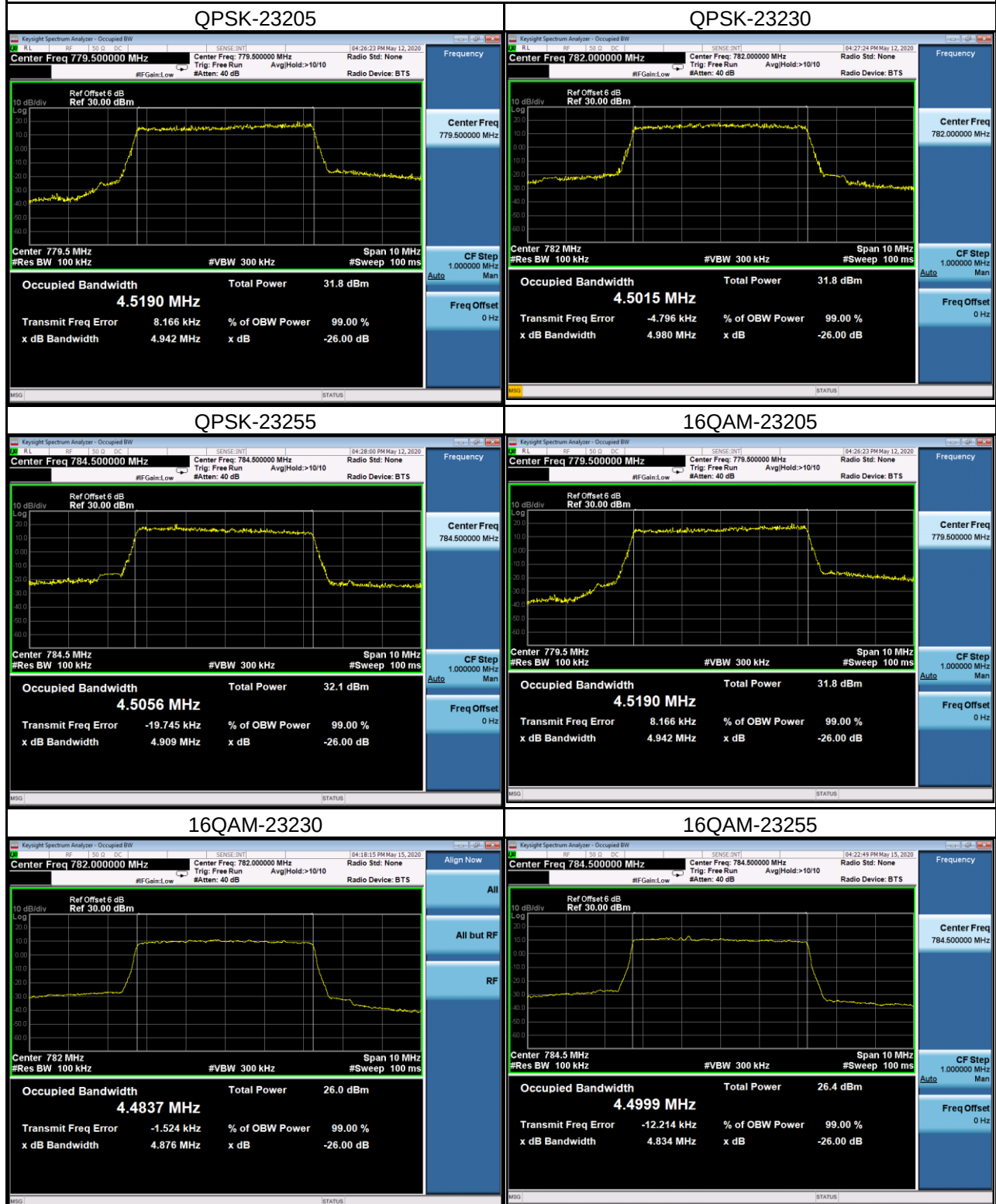
| LTE Band 12_10M |                 |                              |         |                 |                              |
|-----------------|-----------------|------------------------------|---------|-----------------|------------------------------|
| QPSK            |                 |                              | 16QAM   |                 |                              |
| Channel         | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | Channel | Frequency (MHz) | 99% Occupied Bandwidth (MHz) |
| 23060           | 704.0           | 8.9232                       | 23060   | 704.0           | 8.9399                       |
| 23095           | 707.5           | 8.9771                       | 23095   | 707.5           | 8.9789                       |
| 23130           | 711.0           | 8.9821                       | 23130   | 711.0           | 8.9711                       |
| Channel         | Frequency (MHz) | 26dB Bandwidth (MHz)         | Channel | Frequency (MHz) | 26dB Bandwidth (MHz)         |
| 23060           | 704.0           | 9.4940                       | 23060   | 704.0           | 9.5180                       |
| 23095           | 707.5           | 9.5430                       | 23095   | 707.5           | 9.5760                       |
| 23130           | 711.0           | 9.5450                       | 23130   | 711.0           | 9.5270                       |

## Spectrum Plot



| LTE Band 13_5M |                 |                              |         |                 |                              |
|----------------|-----------------|------------------------------|---------|-----------------|------------------------------|
| QPSK           |                 |                              | 16QAM   |                 |                              |
| Channel        | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | Channel | Frequency (MHz) | 99% Occupied Bandwidth (MHz) |
| 23205          | 779.5           | 4.5190                       | 23205   | 779.5           | 4.4957                       |
| 23230          | 782.0           | 4.5015                       | 23230   | 782.0           | 4.4837                       |
| 23255          | 784.5           | 4.5056                       | 23255   | 784.5           | 4.4999                       |
| Channel        | Frequency (MHz) | 26dB Bandwidth (MHz)         | Channel | Frequency (MHz) | 26dB Bandwidth (MHz)         |
| 23205          | 779.5           | 4.9420                       | 23205   | 779.5           | 4.8750                       |
| 23230          | 782.0           | 4.9800                       | 23230   | 782.0           | 4.8760                       |
| 23255          | 784.5           | 4.9090                       | 23255   | 784.5           | 4.8340                       |

## Spectrum Plot

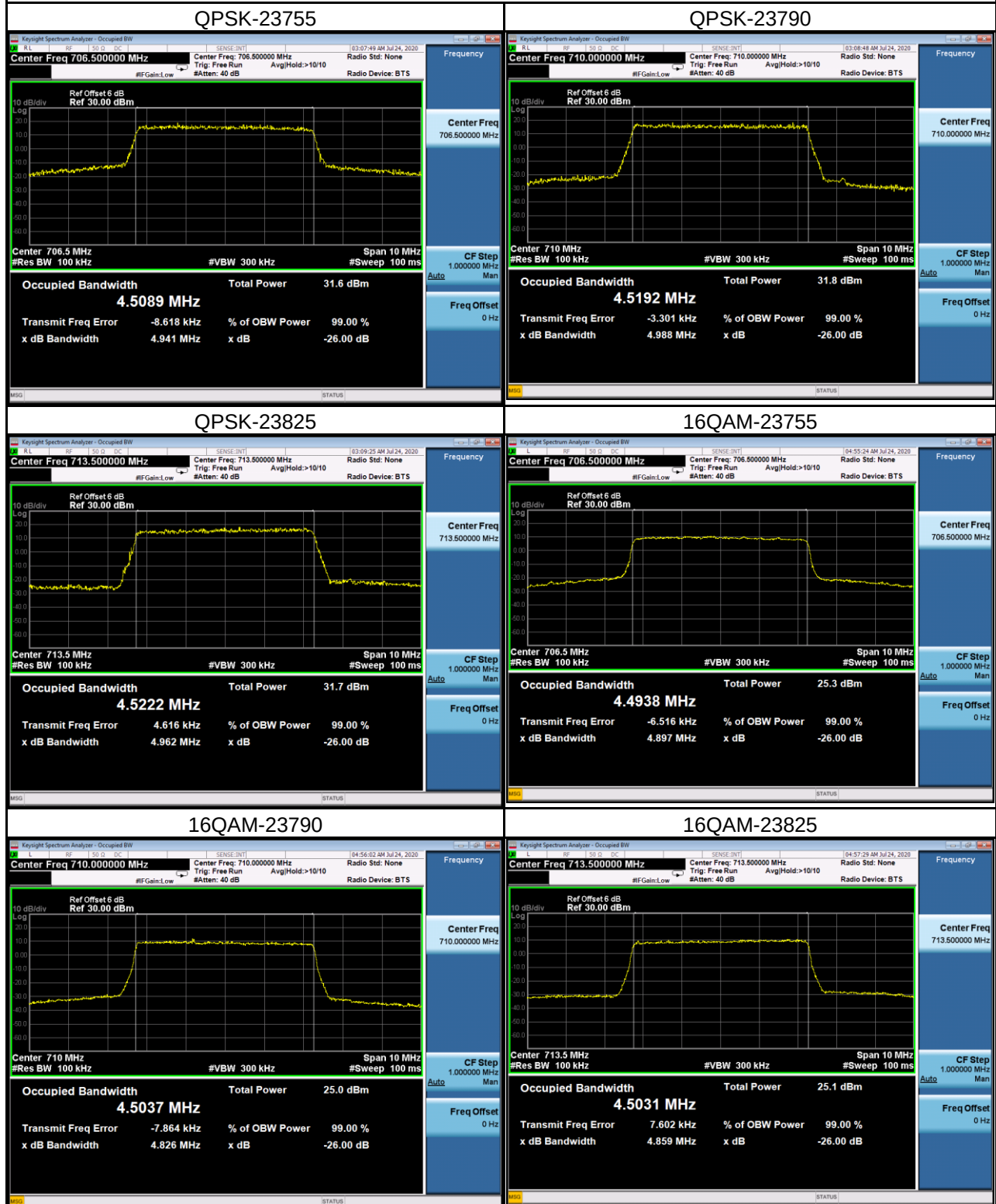


| LTE Band 13_10M |                 |                              |         |                 |                              |
|-----------------|-----------------|------------------------------|---------|-----------------|------------------------------|
| QPSK            |                 |                              | 16QAM   |                 |                              |
| Channel         | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | Channel | Frequency (MHz) | 99% Occupied Bandwidth (MHz) |
| 23230           | 782.0           | 8.9078                       | 23230   | 782.0           | 8.9388                       |
| Channel         | Frequency (MHz) | 26dB Bandwidth (MHz)         | Channel | Frequency (MHz) | 26dB Bandwidth (MHz)         |
| 23230           | 782.0           | 9.7970                       | 23230   | 782.0           | 9.4850                       |



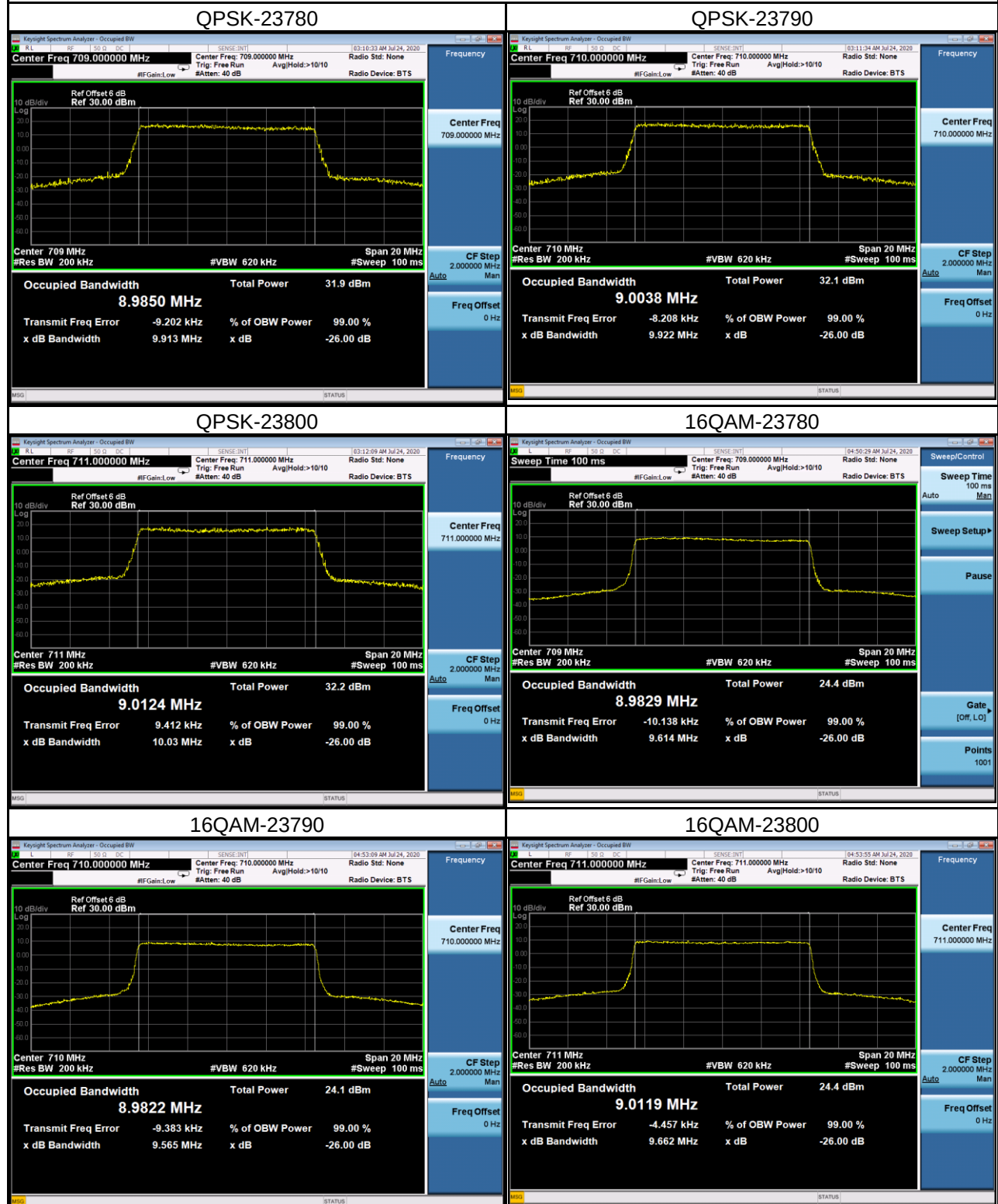
| LTE Band 17_5M |                 |                              |         |                 |                              |
|----------------|-----------------|------------------------------|---------|-----------------|------------------------------|
| QPSK           |                 |                              | 16QAM   |                 |                              |
| Channel        | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | Channel | Frequency (MHz) | 99% Occupied Bandwidth (MHz) |
| 23755          | 706.5           | 4.5089                       | 23755   | 706.5           | 4.4938                       |
| 23790          | 710             | 4.5192                       | 23790   | 710             | 4.5037                       |
| 23825          | 713.5           | 4.5222                       | 23825   | 713.5           | 4.5031                       |
| Channel        | Frequency (MHz) | 26dB Bandwidth (MHz)         | Channel | Frequency (MHz) | 26dB Bandwidth (MHz)         |
| 23755          | 706.5           | 4.9410                       | 23755   | 706.5           | 4.8970                       |
| 23790          | 710             | 4.9880                       | 23790   | 710             | 4.8260                       |
| 23825          | 713.5           | 4.9620                       | 23825   | 713.5           | 4.8590                       |

## Spectrum Plot



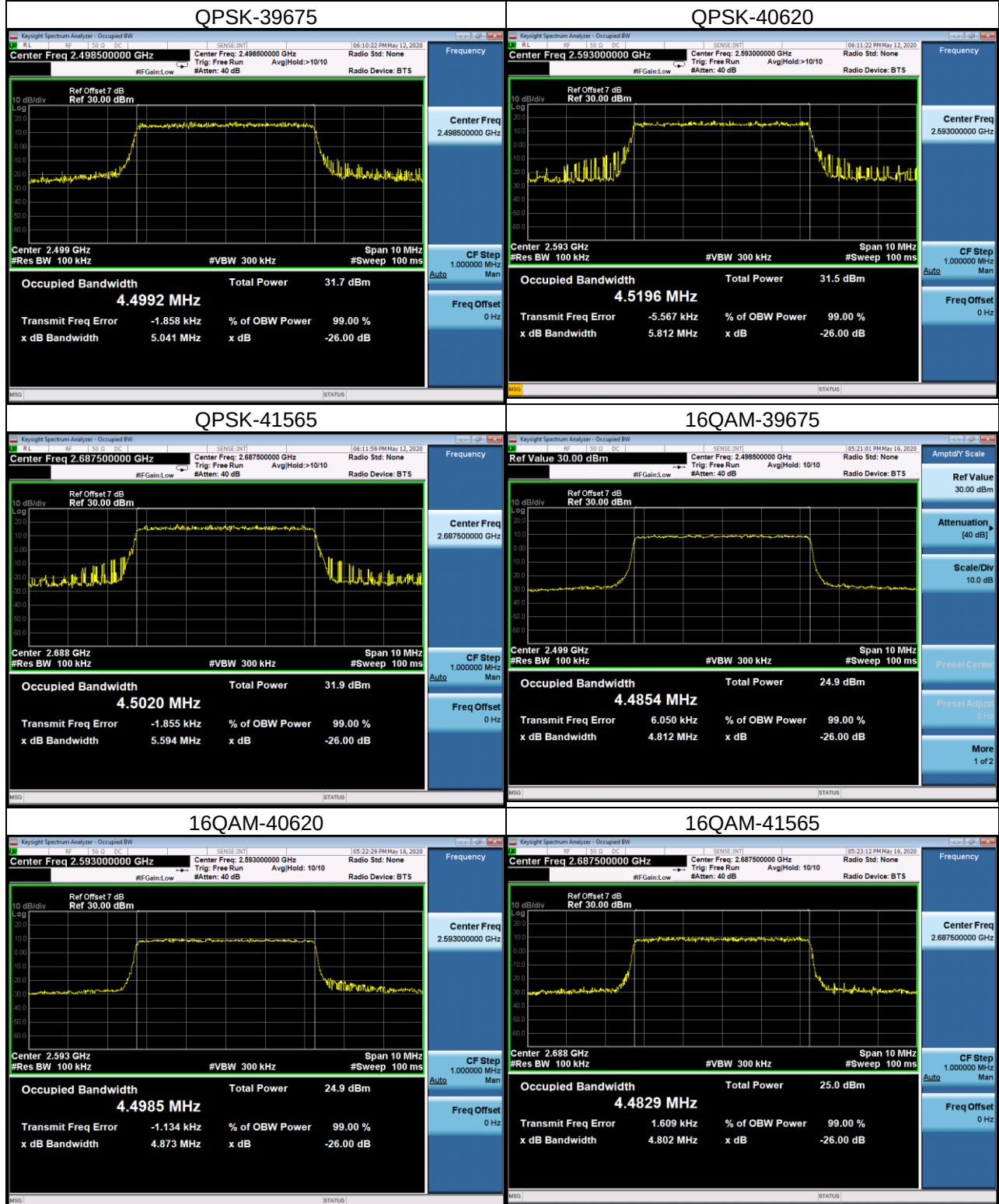
| LTE Band 17_10M |                 |                              |         |                 |                              |
|-----------------|-----------------|------------------------------|---------|-----------------|------------------------------|
| QPSK            |                 |                              | 16QAM   |                 |                              |
| Channel         | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | Channel | Frequency (MHz) | 99% Occupied Bandwidth (MHz) |
| 23780           | 709             | 8.9850                       | 23780   | 709             | 8.9829                       |
| 23790           | 710             | 9.0038                       | 23790   | 710             | 8.9822                       |
| 23800           | 711             | 9.0124                       | 23800   | 711             | 9.0119                       |
| Channel         | Frequency (MHz) | 26dB Bandwidth (MHz)         | Channel | Frequency (MHz) | 26dB Bandwidth (MHz)         |
| 23780           | 709             | 9.9130                       | 23780   | 709             | 9.6140                       |
| 23790           | 710             | 9.9220                       | 23790   | 710             | 9.5650                       |
| 23800           | 711             | 10.0300                      | 23800   | 711             | 9.6620                       |

## Spectrum Plot



| LTE Band 41_5M |                 |                              |         |                 |                              |
|----------------|-----------------|------------------------------|---------|-----------------|------------------------------|
| QPSK           |                 |                              | 16QAM   |                 |                              |
| Channel        | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | Channel | Frequency (MHz) | 99% Occupied Bandwidth (MHz) |
| 39675          | 2498.5          | 4.4992                       | 39675   | 2498.5          | 4.4854                       |
| 40620          | 2593            | 4.5196                       | 40620   | 2593            | 4.4985                       |
| 41565          | 2687.5          | 4.5020                       | 41565   | 2687.5          | 4.4829                       |
| Channel        | Frequency (MHz) | 26dB Bandwidth (MHz)         | Channel | Frequency (MHz) | 26dB Bandwidth (MHz)         |
| 39675          | 2498.5          | 5.0410                       | 39675   | 2498.5          | 4.8120                       |
| 40620          | 2593            | 5.8120                       | 40620   | 2593            | 4.8730                       |
| 41565          | 2687.5          | 5.5940                       | 41565   | 2687.5          | 4.8020                       |

## Spectrum Plot



| LTE Band 41_10M |                 |                              |         |                 |                              |
|-----------------|-----------------|------------------------------|---------|-----------------|------------------------------|
| QPSK            |                 |                              | 16QAM   |                 |                              |
| Channel         | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | Channel | Frequency (MHz) | 99% Occupied Bandwidth (MHz) |
| 39700           | 2501            | 8.9444                       | 39700   | 2501            | 8.9414                       |
| 40620           | 2593            | 8.9618                       | 40620   | 2593            | 8.9629                       |
| 41540           | 2685            | 8.9776                       | 41540   | 2685            | 8.9609                       |
| Channel         | Frequency (MHz) | 26dB Bandwidth (MHz)         | Channel | Frequency (MHz) | 26dB Bandwidth (MHz)         |
| 39700           | 2501            | 9.7740                       | 39700   | 2501            | 9.6100                       |
| 40620           | 2593            | 9.8930                       | 40620   | 2593            | 9.5270                       |
| 41540           | 2685            | 10.770                       | 41540   | 2685            | 9.5770                       |