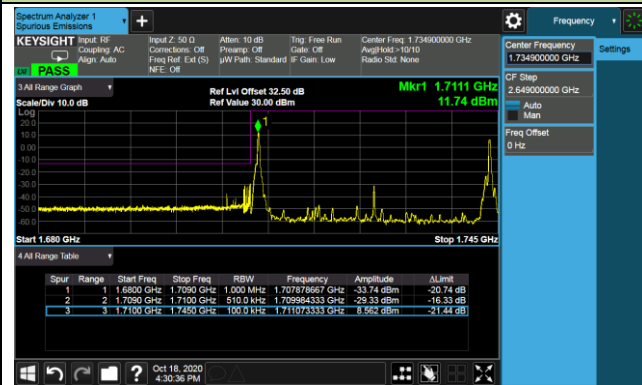
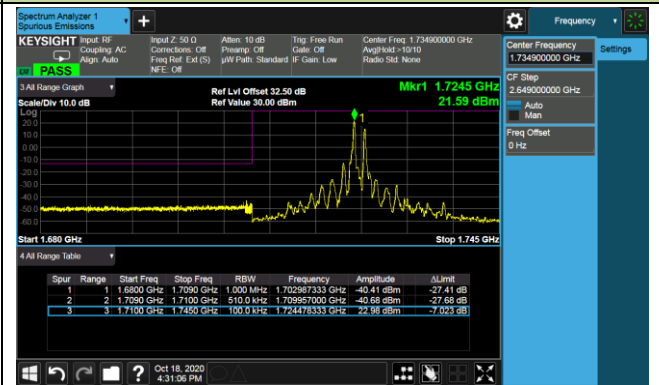


15+20MHz Channel Bandwidth

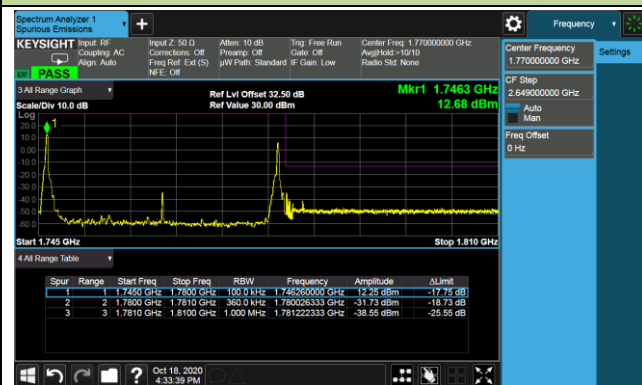
Lower Band Edge RB = 0 & 99



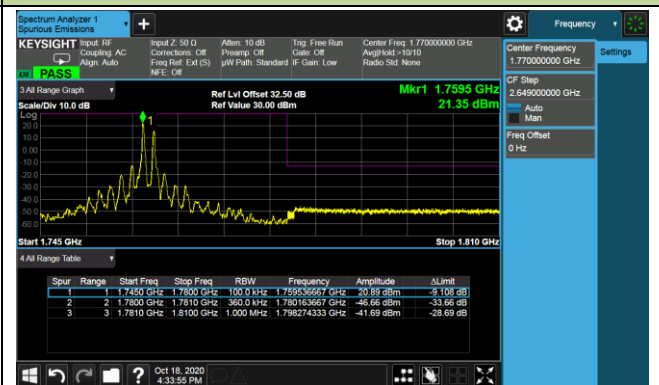
Lower Band Edge RB = 74 & 0



Upper Band Edge RB = 0 & 99

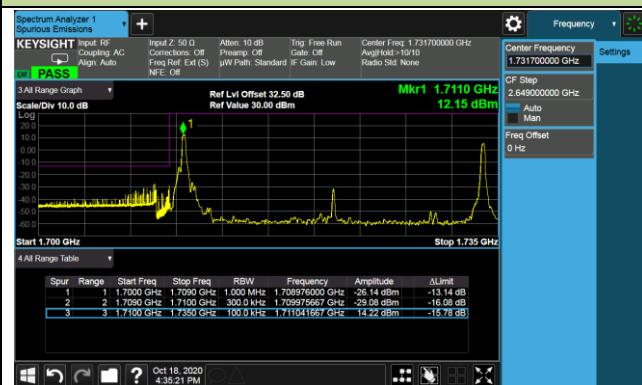


Upper Band Edge RB = 74 & 0



20+5MHz Channel Bandwidth

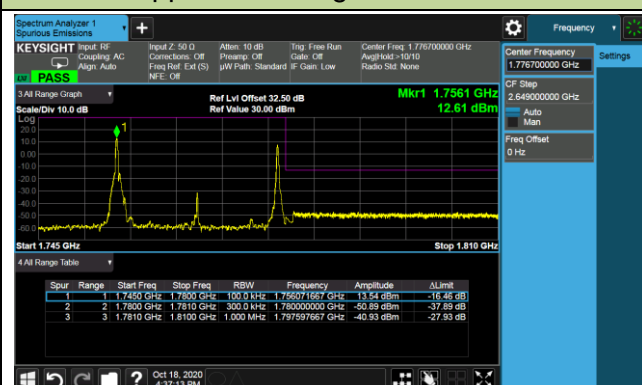
Lower Band Edge RB = 0 & 24



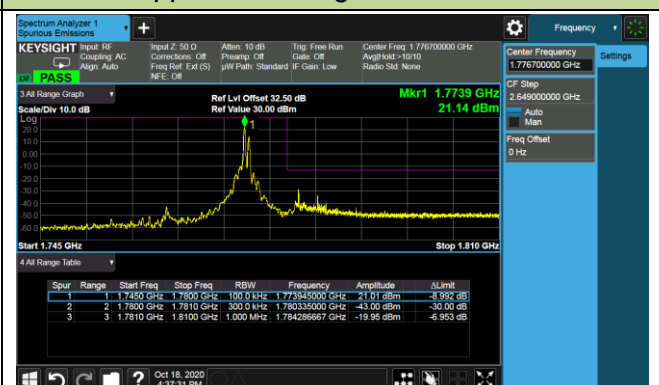
Lower Band Edge RB = 99 & 0



Upper Band Edge RB = 0 & 24

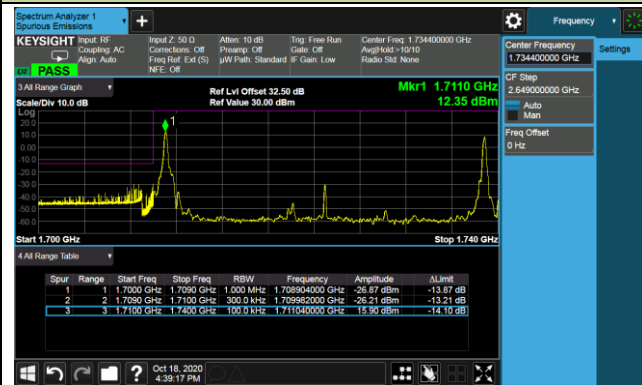


Upper Band Edge RB = 99 & 0



20+10MHz Channel Bandwidth

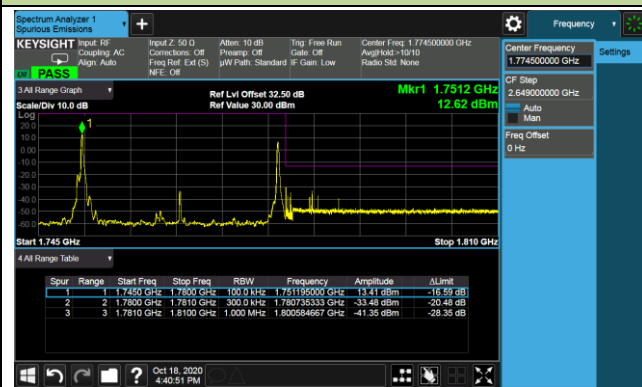
Lower Band Edge RB = 0 & 49



Lower Band Edge RB = 99 & 0



Upper Band Edge RB = 0 & 49

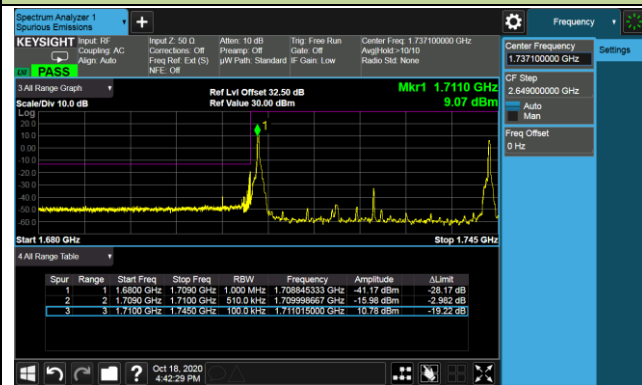


Upper Band Edge RB = 99 & 0

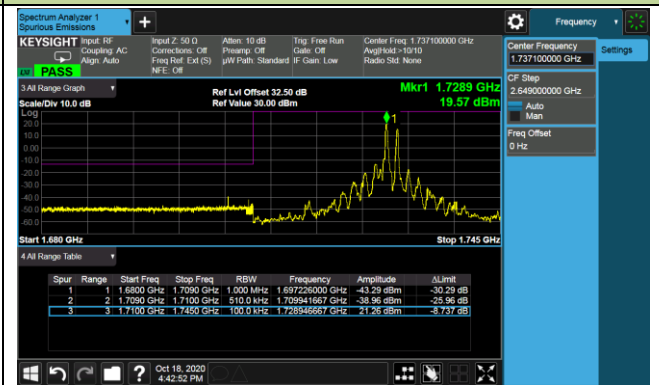


20+15MHz Channel Bandwidth

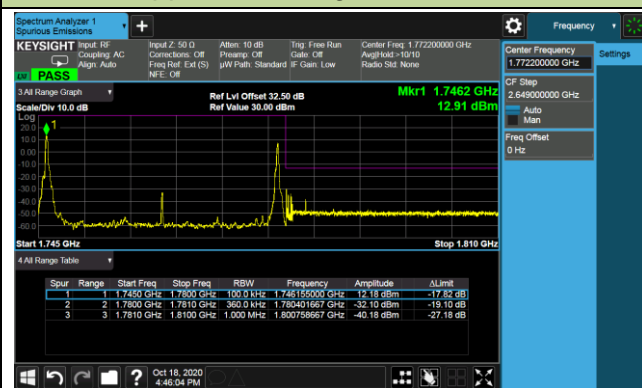
Lower Band Edge RB = 0 & 74



Lower Band Edge RB = 99 & 0

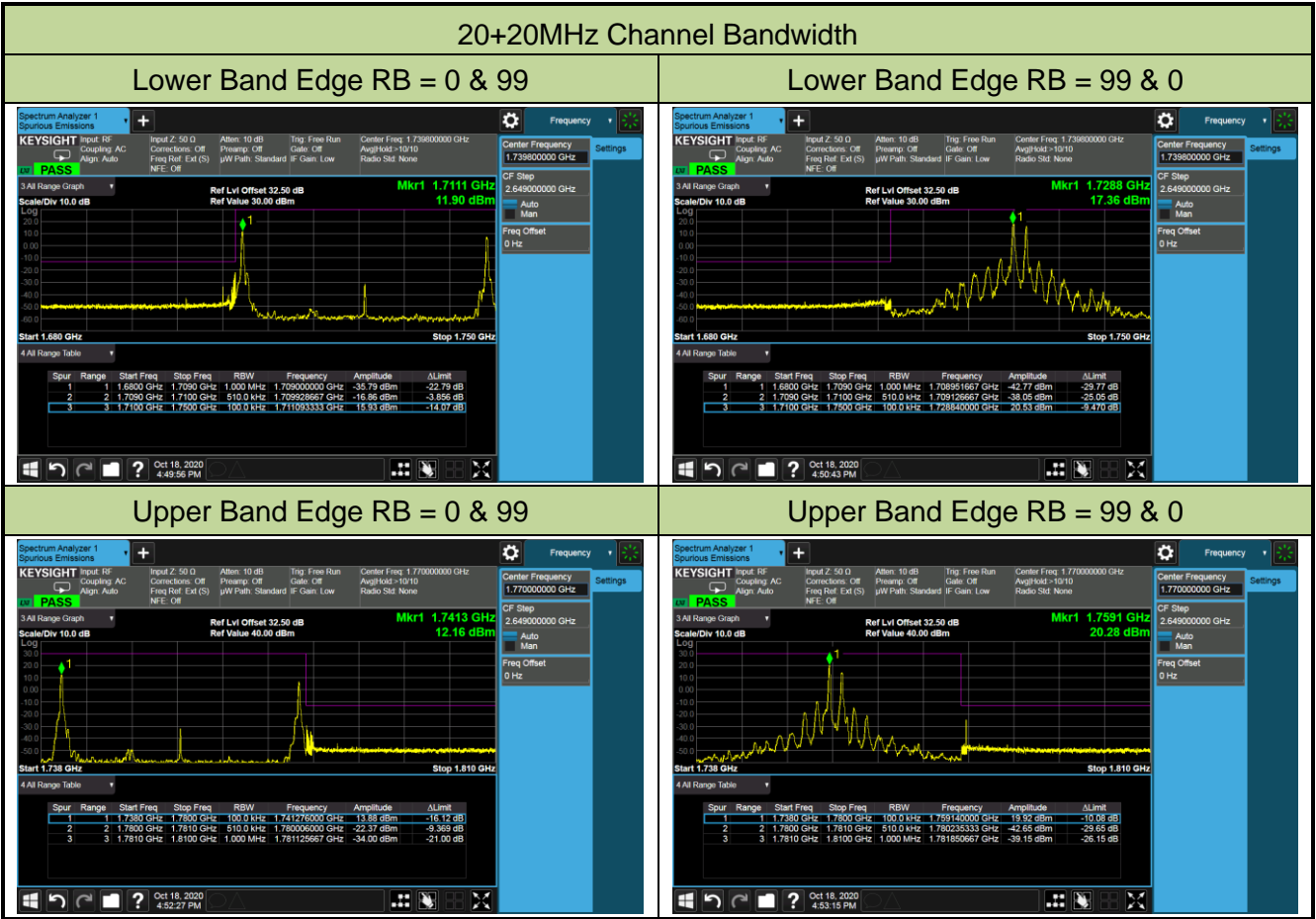


Upper Band Edge RB = 0 & 74



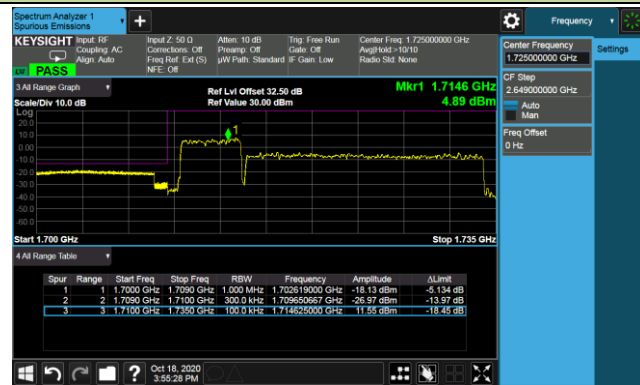
Upper Band Edge RB = 99 & 0



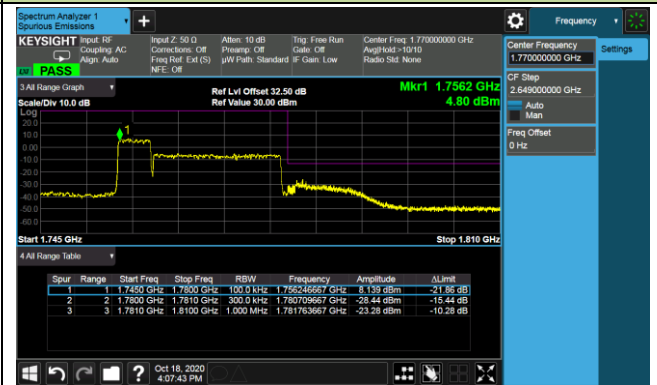


5+20MHz Channel Bandwidth Full RB

Lower Band Edge



Upper Band Edge



10+15MHz Channel Bandwidth Full RB

Lower Band Edge

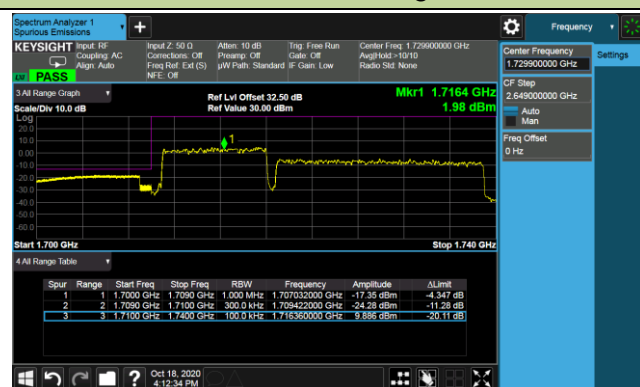


Upper Band Edge



10+20MHz Channel Bandwidth Full RB

Lower Band Edge

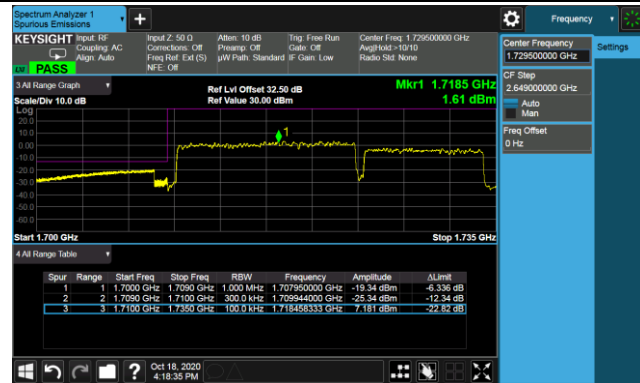


Upper Band Edge

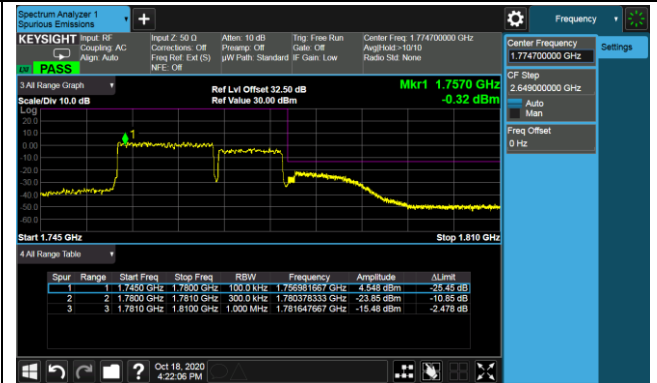


15+10MHz Channel Bandwidth Full RB

Lower Band Edge

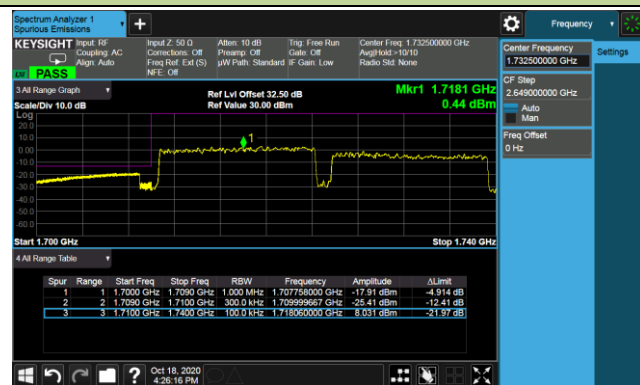


Upper Band Edge



15+15MHz Channel Bandwidth Full RB

Lower Band Edge



Upper Band Edge



15+20MHz Channel Bandwidth Full RB

Lower Band Edge

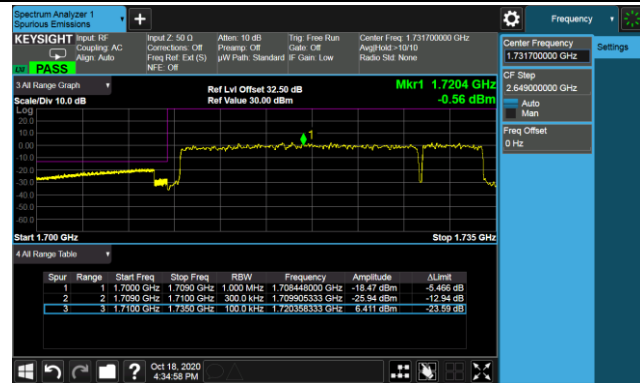


Upper Band Edge

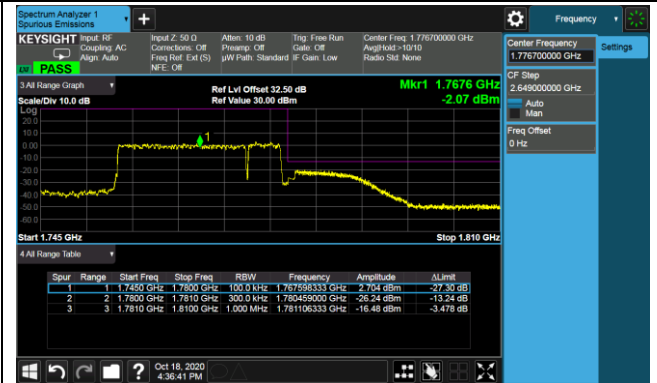


20+5MHz Channel Bandwidth Full RB

Lower Band Edge

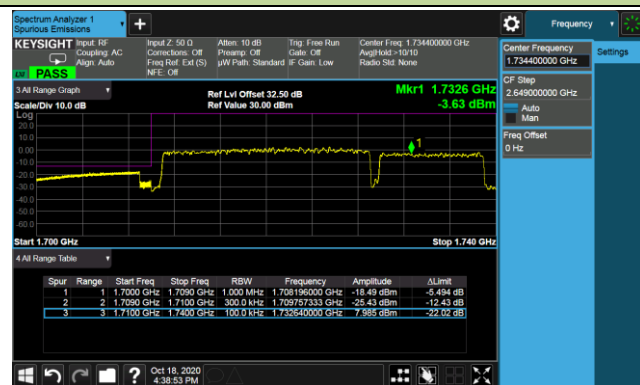


Upper Band Edge



20+10MHz Channel Bandwidth Full RB

Lower Band Edge

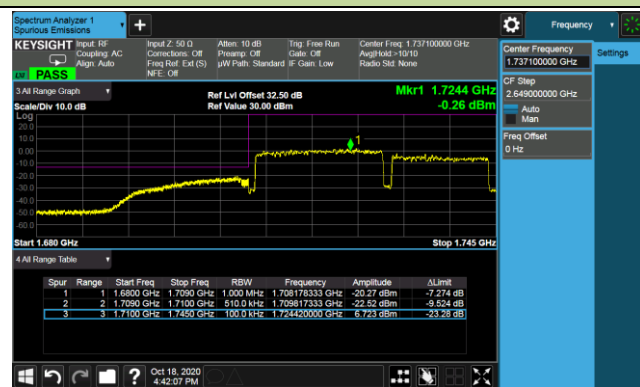


Upper Band Edge

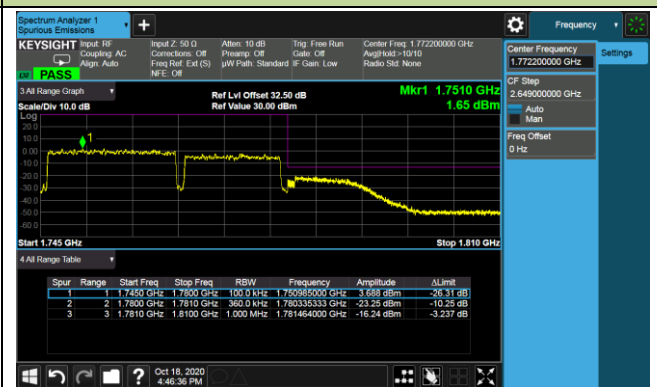


20+15MHz Channel Bandwidth Full RB

Lower Band Edge

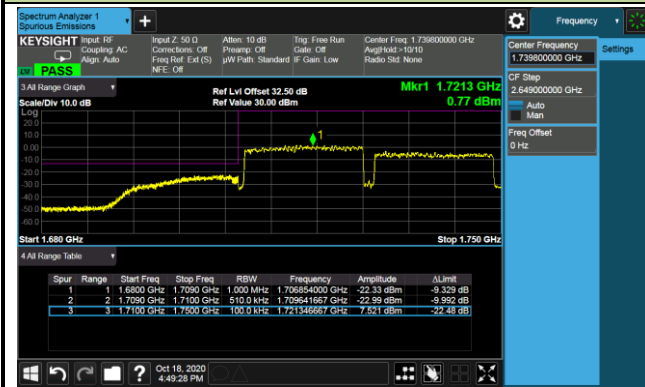


Upper Band Edge



20+20MHz Channel Bandwidth Full RB

Lower Band Edge



Upper Band Edge



5.6. Peak to Average Ratio

5.6.1. Test Limit

A peak to average ratio measurement is performed at the conducted port of the EUT. The spectrum analyzers Complementary Cumulative Distribution Function (CCDF) measurement profile is used to determine the largest deviation between the average and the peak power of the EUT in a given bandwidth. The CCDF curve shows how much time the peak waveform spends at or above a given average power level. The percent of time the signal spends at or above the level defines the probability for that particular power level.

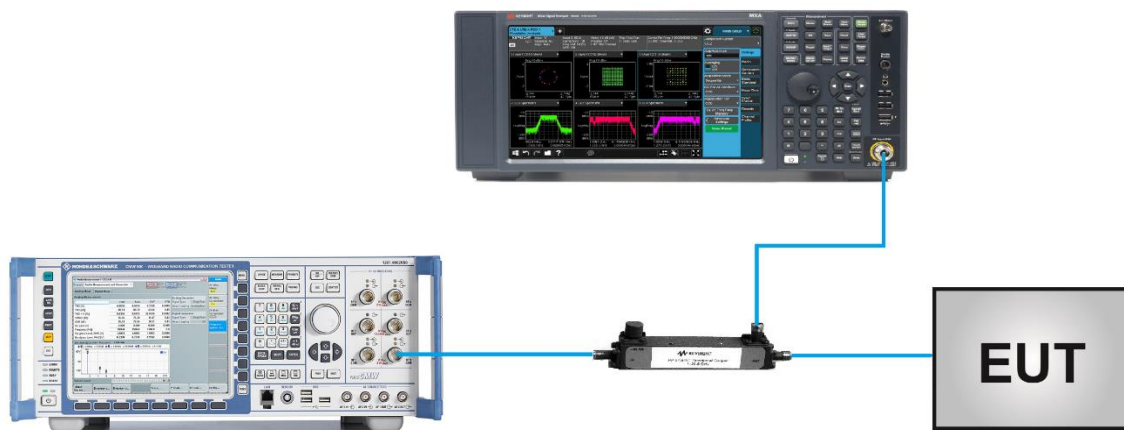
5.6.2. Test Procedure Used

ANSI C63.26-2015 - Section 5.2.3.4 (CCDF).

5.6.3. Test Setting

1. Set the resolution / measurement bandwidth \geq signal's occupied bandwidth
2. Set the number of counts to a value that stabilizes the measured CCDF curve
3. Record the maximum PARR level associated with a probability of 0.1%

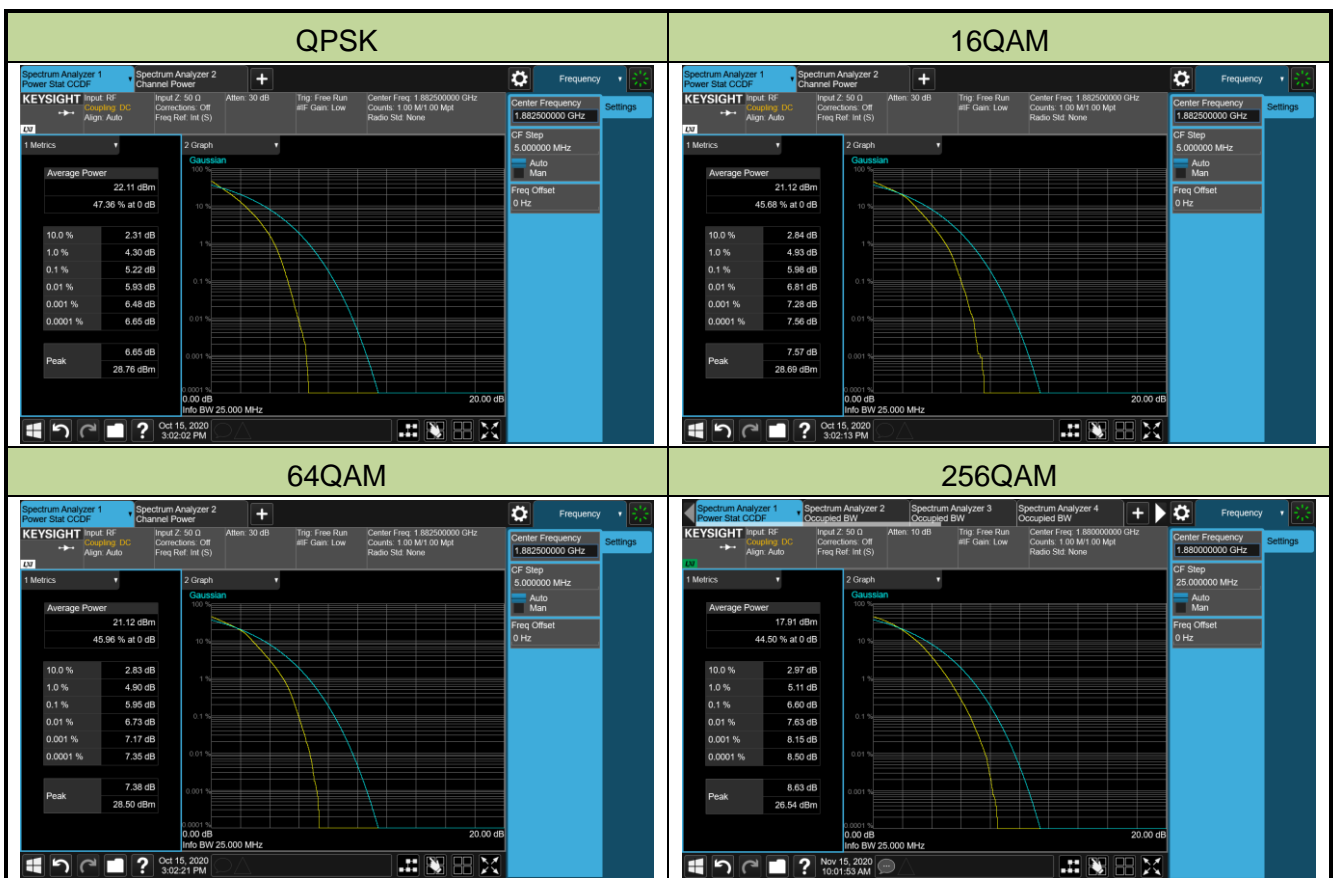
5.6.4. Test Setup



5.6.5. Test Result

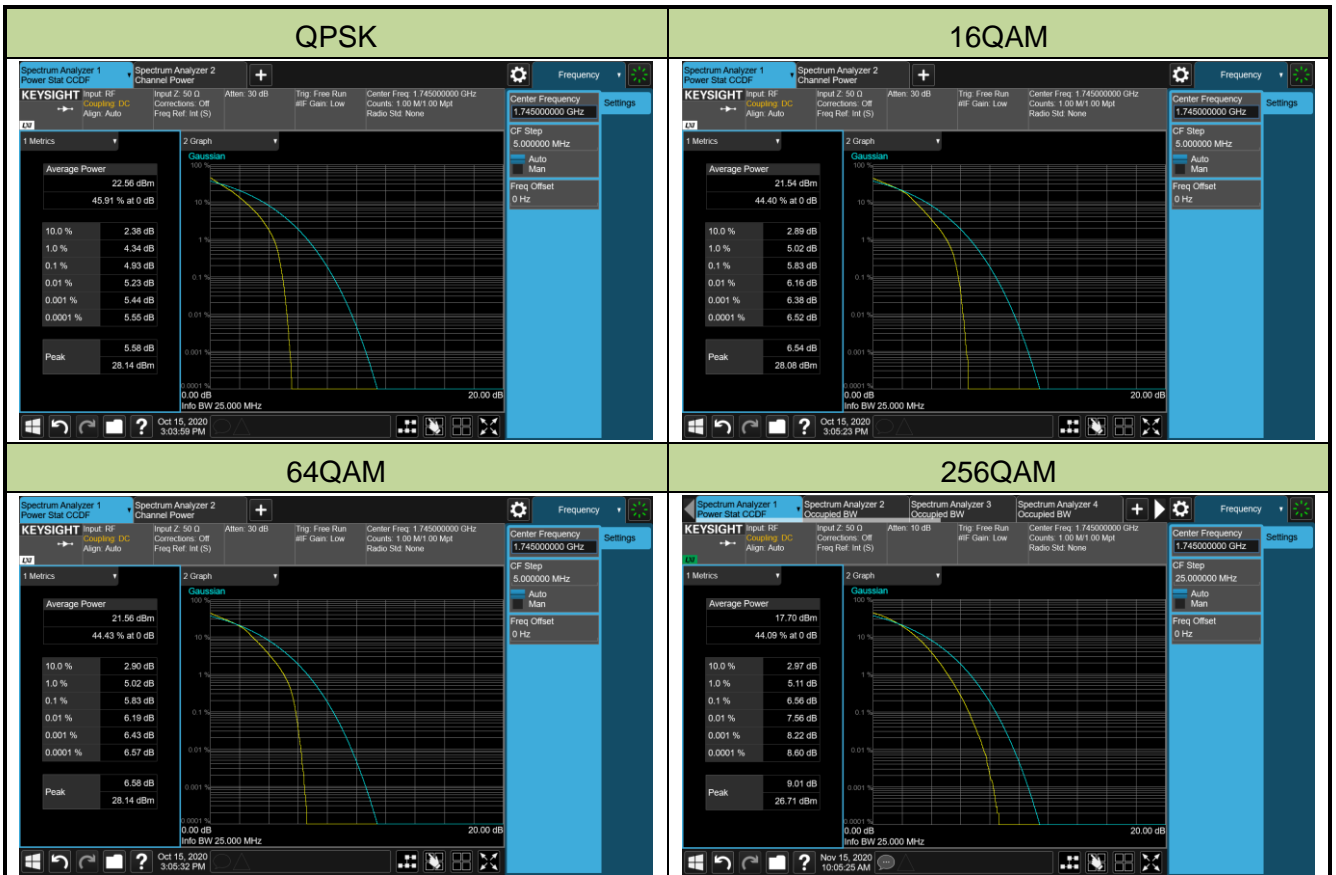
| | | | |
|---------------|-------------------------|-----------|-------------------------|
| Product | 5G Sub-6 GHz M.2 Module | Test Site | WZ-SR6 |
| Test Engineer | Candy Luo | Test Date | 2020/10/15 ~ 2020/11/15 |
| Test Band | Band 2/25 | | |

| Channel No. | Frequency (MHz) | Channel Bandwidth (MHz) | Peak to Average Ratio (dB) | Limit (dB) | Result |
|---------------|-----------------|-------------------------|----------------------------|------------|--------|
| QPSK | | | | | |
| 26365 | 1882.5 | 20 | 5.22 | ≤ 13.00 | Pass |
| 16QAM | | | | | |
| 26365 | 1882.5 | 20 | 5.98 | ≤ 13.00 | Pass |
| 64QAM | | | | | |
| 26365 | 1882.5 | 20 | 5.95 | ≤ 13.00 | Pass |
| 256QAM | | | | | |
| 26365 | 1882.5 | 20 | 6.60 | ≤ 13.00 | Pass |



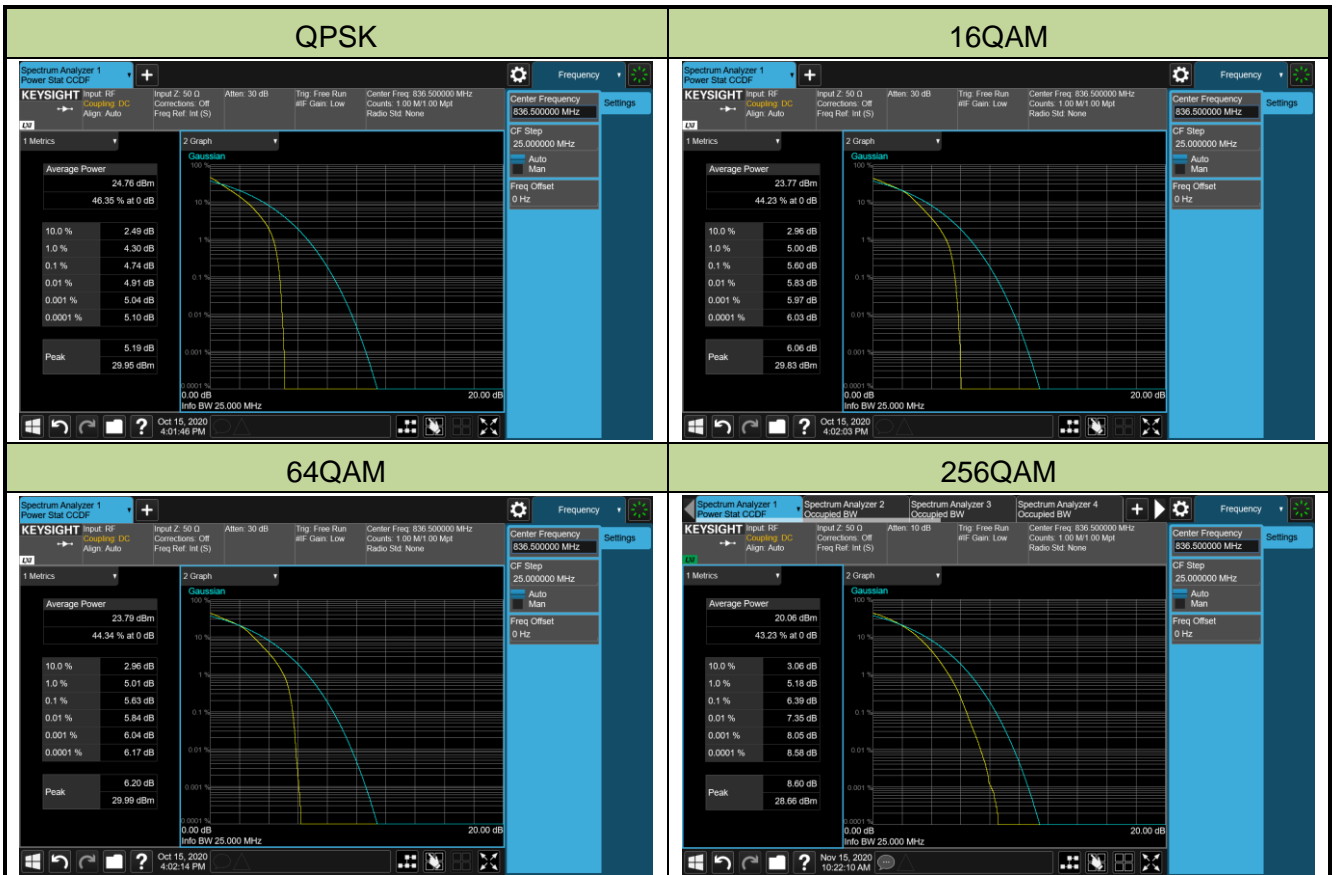
| | | | |
|---------------|-------------------------|-----------|-------------------------|
| Product | 5G Sub-6 GHz M.2 Module | Test Site | WZ-SR6 |
| Test Engineer | Candy Luo | Test Date | 2020/10/15 ~ 2020/11/15 |
| Test Band | Band 4/66 | | |

| Channel No. | Frequency (MHz) | Channel Bandwidth (MHz) | Peak to Average Ratio (dB) | Limit (dB) | Result |
|---------------|-----------------|-------------------------|----------------------------|------------|--------|
| QPSK | | | | | |
| 132322 | 1745.0 | 20 | 4.93 | ≤ 13.00 | Pass |
| 16QAM | | | | | |
| 132322 | 1745.0 | 20 | 5.83 | ≤ 13.00 | Pass |
| 64QAM | | | | | |
| 132322 | 1745.0 | 20 | 5.83 | ≤ 13.00 | Pass |
| 256QAM | | | | | |
| 132322 | 1745.0 | 20 | 6.56 | ≤ 13.00 | Pass |



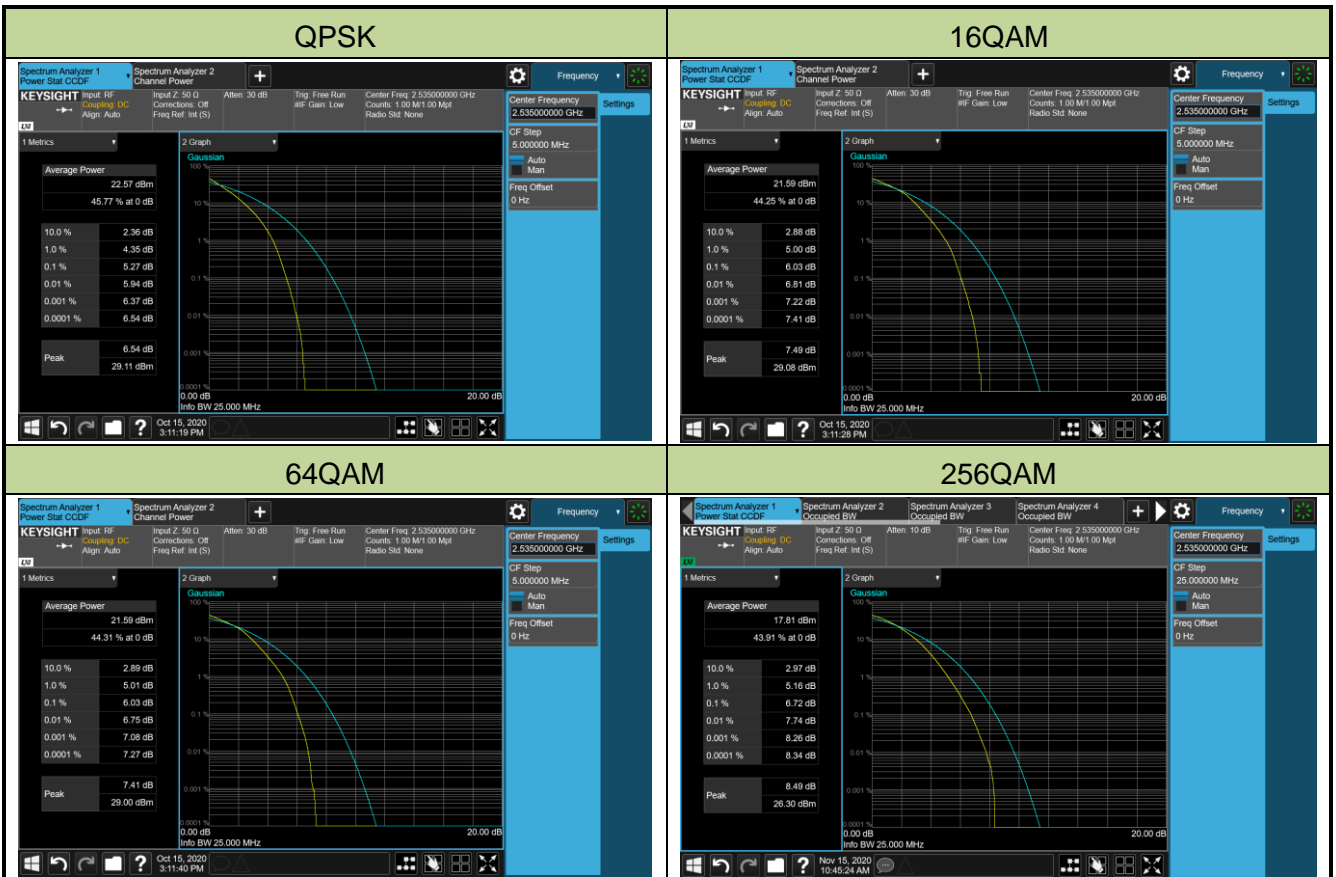
| | | | |
|---------------|-------------------------|-----------|-------------------------|
| Product | 5G Sub-6 GHz M.2 Module | Test Site | WZ-SR6 |
| Test Engineer | Candy Luo | Test Date | 2020/10/15 ~ 2020/11/15 |
| Test Band | Band 5/26 | | |

| Channel No. | Frequency (MHz) | Channel Bandwidth (MHz) | Peak to Average Ratio (dB) | Limit (dB) | Result |
|---------------|-----------------|-------------------------|----------------------------|------------|--------|
| QPSK | | | | | |
| 20525 | 836.5 | 10 | 4.74 | ≤ 13.00 | Pass |
| 16QAM | | | | | |
| 20525 | 836.5 | 10 | 5.60 | ≤ 13.00 | Pass |
| 64QAM | | | | | |
| 20525 | 836.5 | 10 | 5.63 | ≤ 13.00 | Pass |
| 256QAM | | | | | |
| 20525 | 836.5 | 10 | 6.39 | ≤ 13.00 | Pass |



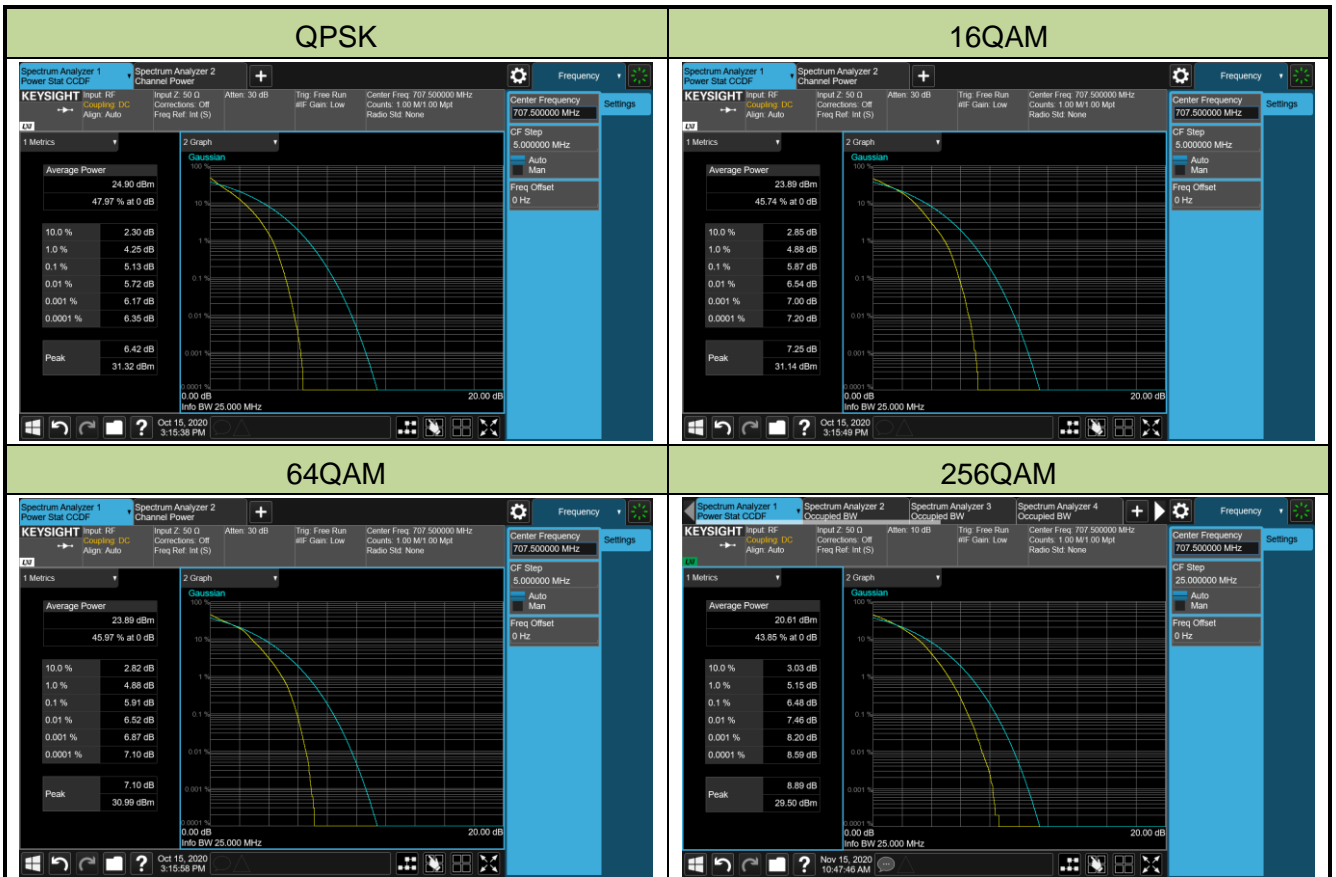
| | | | |
|---------------|-------------------------|-----------|-------------------------|
| Product | 5G Sub-6 GHz M.2 Module | Test Site | WZ-SR6 |
| Test Engineer | Candy Luo | Test Date | 2020/10/15 ~ 2020/11/15 |
| Test Band | LTE Band 7 | | |

| Channel No. | Frequency (MHz) | Channel Bandwidth (MHz) | Peak to Average Ratio (dB) | Limit (dB) | Result |
|---------------|-----------------|-------------------------|----------------------------|------------|--------|
| QPSK | | | | | |
| 21100 | 2535.0 | 20 | 5.27 | ≤ 13.00 | Pass |
| 16QAM | | | | | |
| 21100 | 2535.0 | 20 | 6.03 | ≤ 13.00 | Pass |
| 64QAM | | | | | |
| 21100 | 2535.0 | 20 | 6.03 | ≤ 13.00 | Pass |
| 256QAM | | | | | |
| 21100 | 2535.0 | 20 | 6.72 | ≤ 13.00 | Pass |



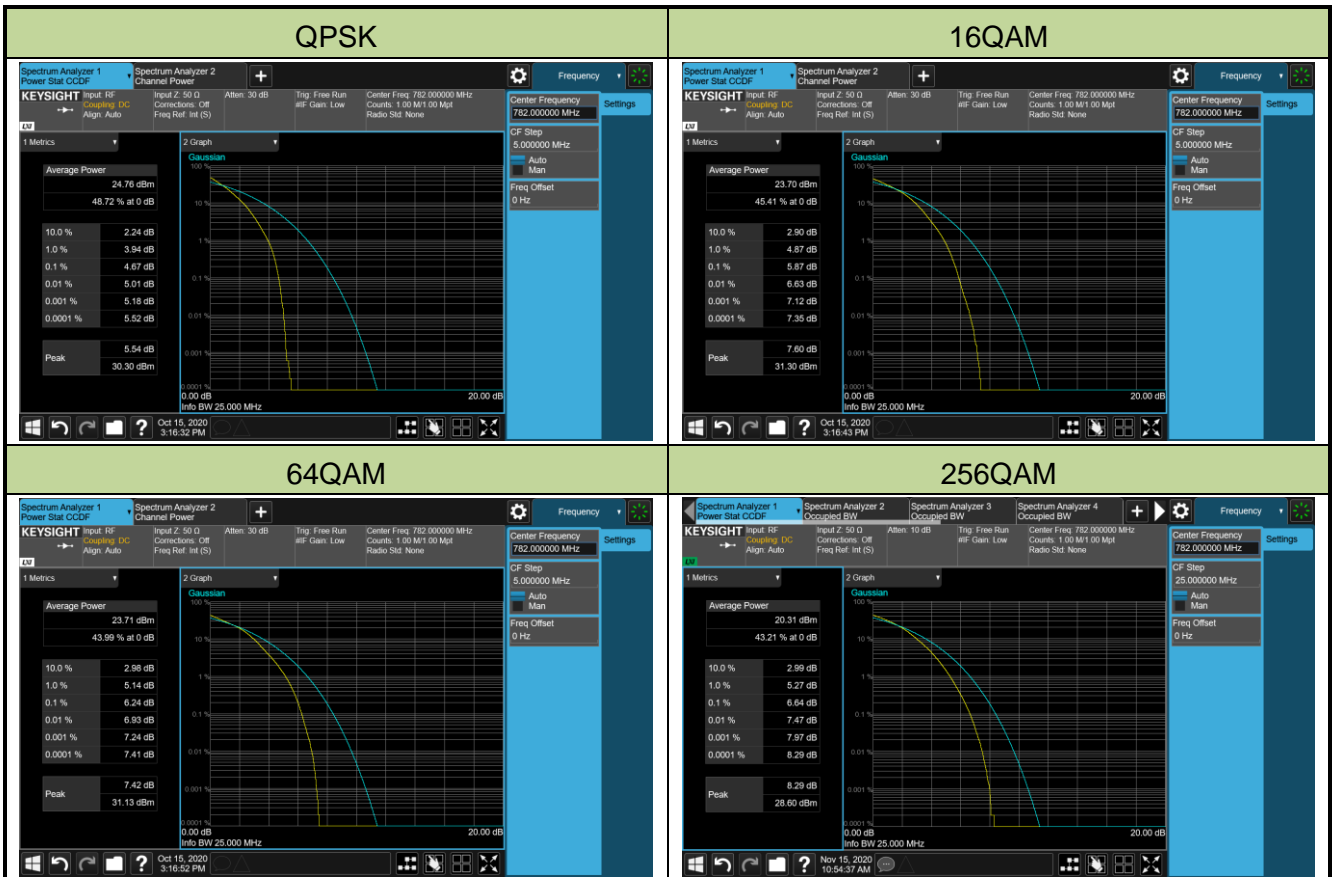
| | | | |
|---------------|-------------------------|-----------|-------------------------|
| Product | 5G Sub-6 GHz M.2 Module | Test Site | WZ-SR6 |
| Test Engineer | Candy Luo | Test Date | 2020/10/15 ~ 2020/11/15 |
| Test Band | LTE Band 12 | | |

| Channel No. | Frequency (MHz) | Channel Bandwidth (MHz) | Peak to Average Ratio (dB) | Limit (dB) | Result |
|---------------|-----------------|-------------------------|----------------------------|------------|--------|
| QPSK | | | | | |
| 26365 | 707.5 | 10 | 5.13 | ≤ 13.00 | Pass |
| 16QAM | | | | | |
| 26365 | 707.5 | 10 | 5.87 | ≤ 13.00 | Pass |
| 64QAM | | | | | |
| 26365 | 707.5 | 10 | 5.91 | ≤ 13.00 | Pass |
| 256QAM | | | | | |
| 26365 | 707.5 | 10 | 6.48 | ≤ 13.00 | Pass |



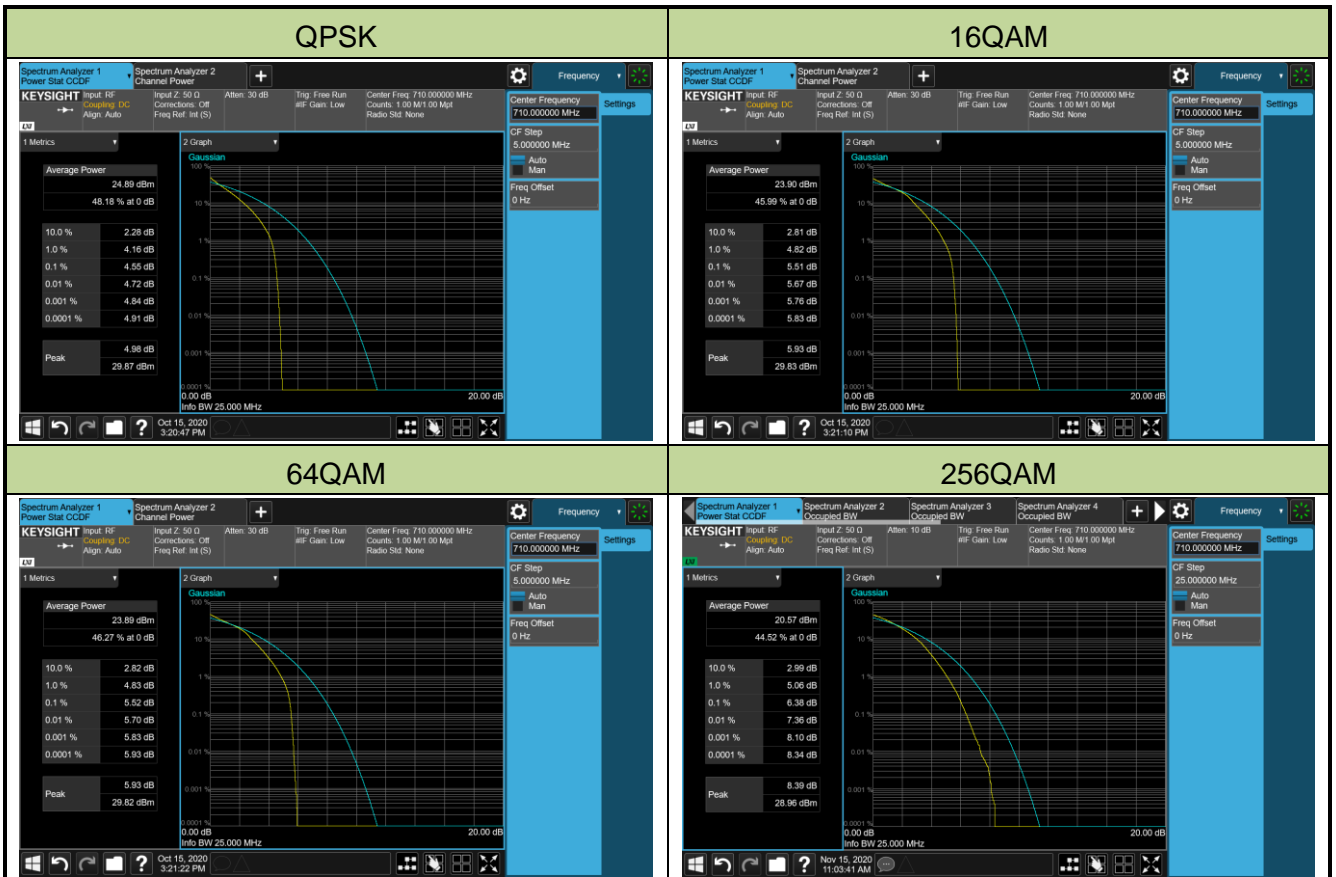
| | | | |
|---------------|-------------------------|-----------|-------------------------|
| Product | 5G Sub-6 GHz M.2 Module | Test Site | WZ-SR6 |
| Test Engineer | Candy Luo | Test Date | 2020/10/15 ~ 2020/11/15 |
| Test Band | LTE Band 13 | | |

| Channel No. | Frequency (MHz) | Channel Bandwidth (MHz) | Peak to Average Ratio (dB) | Limit (dB) | Result |
|---------------|-----------------|-------------------------|----------------------------|------------|--------|
| QPSK | | | | | |
| 132322 | 782 | 10 | 4.67 | ≤ 13.00 | Pass |
| 16QAM | | | | | |
| 132322 | 782 | 10 | 5.87 | ≤ 13.00 | Pass |
| 64QAM | | | | | |
| 132322 | 782 | 10 | 6.24 | ≤ 13.00 | Pass |
| 256QAM | | | | | |
| 132322 | 782 | 10 | 6.64 | ≤ 13.00 | Pass |



| | | | |
|---------------|-------------------------|-----------|-------------------------|
| Product | 5G Sub-6 GHz M.2 Module | Test Site | WZ-SR6 |
| Test Engineer | Candy Luo | Test Date | 2020/10/15 ~ 2020/11/15 |
| Test Band | LTE Band 17 | | |

| Channel No. | Frequency (MHz) | Channel Bandwidth (MHz) | Peak to Average Ratio (dB) | Limit (dB) | Result |
|---------------|-----------------|-------------------------|----------------------------|------------|--------|
| QPSK | | | | | |
| 23790 | 710.0 | 10 | 4.55 | ≤ 13.00 | Pass |
| 16QAM | | | | | |
| 23790 | 710.0 | 10 | 5.51 | ≤ 13.00 | Pass |
| 64QAM | | | | | |
| 23790 | 710.0 | 10 | 5.52 | ≤ 13.00 | Pass |
| 256QAM | | | | | |
| 23790 | 710.0 | 10 | 6.38 | ≤ 13.00 | Pass |



| | | | |
|---------------|-------------------------|-----------|-------------------------|
| Product | 5G Sub-6 GHz M.2 Module | Test Site | WZ-SR6 |
| Test Engineer | Candy Luo | Test Date | 2020/10/22 ~ 2020/11/15 |
| Test Band | LTE Band 38/41_HPUE | | |

| Channel No. | Frequency (MHz) | Channel Bandwidth (MHz) | Peak to Average Ratio (dB) | Limit (dB) | Result |
|---------------|-----------------|-------------------------|----------------------------|------------|--------|
| QPSK | | | | | |
| 40620 | 2593.0 | 20 | 9.97 | ≤ 13.00 | Pass |
| 16QAM | | | | | |
| 40620 | 2593.0 | 20 | 9.15 | ≤ 13.00 | Pass |
| 64QAM | | | | | |
| 40620 | 2593.0 | 20 | 9.15 | ≤ 13.00 | Pass |
| 256QAM | | | | | |
| 40620 | 2593.0 | 20 | 10.44 | ≤ 13.00 | Pass |

