

## Appendix G: Test Data for LTE Band 12

Product Name: TT1001 10.1 inch Tablet

Test Model: TT1001V2

### G1. Effective (Isotropic) Radiated Power Output Data

#### G1.1 Test Result

| Test Band: 12 _ 1.4MHz Bandwidth |               |        |                       |       |       |              |       |          |       |       |             |         |
|----------------------------------|---------------|--------|-----------------------|-------|-------|--------------|-------|----------|-------|-------|-------------|---------|
| Modulation                       | RB Allocation |        | Conducted Power (dBm) |       |       | Antenna gain |       | ERP(dBm) |       |       | Limit (dBm) | Verdict |
|                                  | Size          | Offset | LCH                   | MCH   | HCH   | (dBd)        | (dBi) | LCH      | MCH   | HCH   |             |         |
| QPSK                             | 1             | 0      | 23.93                 | 23.45 | 23.68 | -1.15        | 1.00  | 22.78    | 22.30 | 22.53 | 34.77       | PASS    |
|                                  |               | 2      | 24.01                 | 23.67 | 23.90 | -1.15        | 1.00  | 22.86    | 22.52 | 22.75 | 34.77       | PASS    |
|                                  |               | 5      | 23.72                 | 23.39 | 23.98 | -1.15        | 1.00  | 22.57    | 22.24 | 22.83 | 34.77       | PASS    |
|                                  | 3             | 0      | 23.84                 | 23.25 | 23.71 | -1.15        | 1.00  | 22.69    | 22.10 | 22.56 | 34.77       | PASS    |
|                                  |               | 2      | 23.96                 | 23.29 | 23.75 | -1.15        | 1.00  | 22.81    | 22.14 | 22.60 | 34.77       | PASS    |
|                                  |               | 3      | 23.86                 | 23.16 | 23.74 | -1.15        | 1.00  | 22.71    | 22.01 | 22.59 | 34.77       | PASS    |
| 16QAM                            | 6             | 0      | 22.81                 | 22.22 | 22.68 | -1.15        | 1.00  | 21.66    | 21.07 | 21.53 | 34.77       | PASS    |
|                                  |               | 2      | 22.84                 | 22.42 | 22.40 | -1.15        | 1.00  | 21.69    | 21.27 | 21.25 | 34.77       | PASS    |
|                                  |               | 5      | 22.73                 | 22.49 | 22.89 | -1.15        | 1.00  | 21.58    | 21.34 | 21.74 | 34.77       | PASS    |
|                                  | 1             | 0      | 22.69                 | 22.35 | 22.13 | -1.15        | 1.00  | 21.54    | 21.20 | 20.98 | 34.77       | PASS    |
|                                  |               | 2      | 22.80                 | 22.31 | 22.44 | -1.15        | 1.00  | 21.65    | 21.16 | 21.29 | 34.77       | PASS    |
|                                  |               | 3      | 22.78                 | 22.34 | 22.43 | -1.15        | 1.00  | 21.63    | 21.19 | 21.28 | 34.77       | PASS    |
|                                  | 3             | 0      | 21.55                 | 21.35 | 21.84 | -1.15        | 1.00  | 20.40    | 20.20 | 20.69 | 34.77       | PASS    |
|                                  |               | 2      | 22.85                 | 22.57 | 22.72 | -1.15        | 1.00  | 21.70    | 21.42 | 21.57 | 34.77       | PASS    |
|                                  |               | 5      | 22.73                 | 22.49 | 22.89 | -1.15        | 1.00  | 21.58    | 21.34 | 21.74 | 34.77       | PASS    |
| 16QAM                            | 1             | 0      | 22.69                 | 22.35 | 22.13 | -1.15        | 1.00  | 21.54    | 21.20 | 20.98 | 34.77       | PASS    |
|                                  |               | 2      | 22.80                 | 22.31 | 22.44 | -1.15        | 1.00  | 21.65    | 21.16 | 21.29 | 34.77       | PASS    |
|                                  |               | 3      | 22.78                 | 22.34 | 22.43 | -1.15        | 1.00  | 21.63    | 21.19 | 21.28 | 34.77       | PASS    |
|                                  | 3             | 0      | 21.55                 | 21.35 | 21.84 | -1.15        | 1.00  | 20.40    | 20.20 | 20.69 | 34.77       | PASS    |
|                                  |               | 2      | 22.85                 | 22.57 | 22.72 | -1.15        | 1.00  | 21.70    | 21.42 | 21.57 | 34.77       | PASS    |
|                                  |               | 5      | 22.73                 | 22.49 | 22.89 | -1.15        | 1.00  | 21.58    | 21.34 | 21.74 | 34.77       | PASS    |
| 6                                | 0             | 21.55  | 21.35                 | 21.84 | -1.15 | 1.00         | 20.40 | 20.20    | 20.69 | 34.77 | PASS        |         |
|                                  | 2             | 22.85  | 22.57                 | 22.72 | -1.15 | 1.00         | 21.70 | 21.42    | 21.57 | 34.77 | PASS        |         |
|                                  | 5             | 22.73  | 22.49                 | 22.89 | -1.15 | 1.00         | 21.58 | 21.34    | 21.74 | 34.77 | PASS        |         |

Note:  
 1) dBd = dBi - 2.15  
 2) EIRP = Conducted output power + Antenna gain (dBi)  
 3) ERP = Conducted output power + Antenna gain (dBd)

| Test Band: 12 _ 3MHz Bandwidth |               |        |                       |       |       |              |       |          |       |       |             |         |
|--------------------------------|---------------|--------|-----------------------|-------|-------|--------------|-------|----------|-------|-------|-------------|---------|
| Modulation                     | RB Allocation |        | Conducted Power (dBm) |       |       | Antenna gain |       | ERP(dBm) |       |       | Limit (dBm) | Verdict |
|                                | Size          | Offset | LCH                   | MCH   | HCH   | (dBd)        | (dBi) | LCH      | MCH   | HCH   |             |         |
| QPSK                           | 1             | 0      | 23.96                 | 23.30 | 23.35 | -1.15        | 1.00  | 22.81    | 22.15 | 22.20 | 34.77       | PASS    |
|                                |               | 7      | 23.80                 | 23.28 | 23.37 | -1.15        | 1.00  | 22.65    | 22.13 | 22.22 | 34.77       | PASS    |
|                                |               | 14     | 23.61                 | 23.22 | 23.68 | -1.15        | 1.00  | 22.46    | 22.07 | 22.53 | 34.77       | PASS    |
|                                | 8             | 0      | 22.86                 | 22.37 | 22.42 | -1.15        | 1.00  | 21.71    | 21.22 | 21.27 | 34.77       | PASS    |
|                                |               | 4      | 22.86                 | 22.31 | 22.63 | -1.15        | 1.00  | 21.71    | 21.16 | 21.48 | 34.77       | PASS    |
|                                |               | 7      | 22.79                 | 22.25 | 22.64 | -1.15        | 1.00  | 21.64    | 21.10 | 21.49 | 34.77       | PASS    |
| 16QAM                          | 15            | 0      | 22.87                 | 22.09 | 22.49 | -1.15        | 1.00  | 21.72    | 20.94 | 21.34 | 34.77       | PASS    |
|                                |               | 2      | 23.02                 | 22.23 | 22.10 | -1.15        | 1.00  | 21.87    | 21.08 | 20.95 | 34.77       | PASS    |
|                                |               | 7      | 22.86                 | 22.20 | 22.45 | -1.15        | 1.00  | 21.71    | 21.05 | 21.30 | 34.77       | PASS    |
|                                | 1             | 14     | 22.56                 | 22.05 | 23.21 | -1.15        | 1.00  | 21.41    | 20.90 | 22.06 | 34.77       | PASS    |
|                                |               | 0      | 21.84                 | 21.24 | 21.43 | -1.15        | 1.00  | 20.69    | 20.09 | 20.28 | 34.77       | PASS    |
|                                |               | 4      | 21.76                 | 21.51 | 21.56 | -1.15        | 1.00  | 20.61    | 20.36 | 20.41 | 34.77       | PASS    |
|                                | 8             | 7      | 21.70                 | 21.49 | 21.58 | -1.15        | 1.00  | 20.55    | 20.34 | 20.43 | 34.77       | PASS    |
|                                |               | 0      | 21.93                 | 21.07 | 21.63 | -1.15        | 1.00  | 20.78    | 19.92 | 20.48 | 34.77       | PASS    |
|                                |               | 15     | 21.93                 | 21.07 | 21.63 | -1.15        | 1.00  | 20.78    | 19.92 | 20.48 | 34.77       | PASS    |

Note:  
 1) dBd = dBi - 2.15  
 2) EIRP = Conducted output power + Antenna gain (dBi)  
 3) ERP = Conducted output power + Antenna gain (dBd)

| Test Band: 12_ 5MHz Bandwidth |               |        |                       |       |       |              |       |          |       |       |             |         |
|-------------------------------|---------------|--------|-----------------------|-------|-------|--------------|-------|----------|-------|-------|-------------|---------|
| Modulation                    | RB Allocation |        | Conducted Power (dBm) |       |       | Antenna gain |       | ERP(dBm) |       |       | Limit (dBm) | Verdict |
|                               | Size          | Offset | LCH                   | MCH   | HCH   | (dBd)        | (dBi) | LCH      | MCH   | HCH   |             |         |
| QPSK                          | 1             | 0      | 23.84                 | 23.13 | 23.15 | -1.15        | 1.00  | 22.69    | 21.98 | 22.00 | 34.77       | PASS    |
|                               |               | 13     | 23.58                 | 23.25 | 23.34 | -1.15        | 1.00  | 22.43    | 22.10 | 22.19 | 34.77       | PASS    |
|                               |               | 24     | 23.28                 | 22.94 | 23.65 | -1.15        | 1.00  | 22.13    | 21.79 | 22.50 | 34.77       | PASS    |
|                               | 12            | 0      | 22.87                 | 22.15 | 22.22 | -1.15        | 1.00  | 21.72    | 21.00 | 21.07 | 34.77       | PASS    |
|                               |               | 6      | 22.52                 | 22.13 | 22.37 | -1.15        | 1.00  | 21.37    | 20.98 | 21.22 | 34.77       | PASS    |
|                               |               | 13     | 22.34                 | 22.09 | 22.59 | -1.15        | 1.00  | 21.19    | 20.94 | 21.44 | 34.77       | PASS    |
| 25                            | 0             | 22.67  | 22.20                 | 22.35 | -1.15 | 1.00         | 21.52 | 21.05    | 21.20 | 34.77 | PASS        |         |
| 16QAM                         | 1             | 0      | 22.96                 | 22.48 | 21.80 | -1.15        | 1.00  | 21.81    | 21.33 | 20.65 | 34.77       | PASS    |
|                               |               | 13     | 22.44                 | 22.49 | 21.93 | -1.15        | 1.00  | 21.29    | 21.34 | 20.78 | 34.77       | PASS    |
|                               |               | 24     | 22.44                 | 22.42 | 22.33 | -1.15        | 1.00  | 21.29    | 21.27 | 21.18 | 34.77       | PASS    |
|                               | 12            | 0      | 21.95                 | 21.02 | 20.89 | -1.15        | 1.00  | 20.80    | 19.87 | 19.74 | 34.77       | PASS    |
|                               |               | 6      | 21.69                 | 20.91 | 21.16 | -1.15        | 1.00  | 20.54    | 19.76 | 20.01 | 34.77       | PASS    |
|                               |               | 13     | 21.59                 | 20.97 | 21.51 | -1.15        | 1.00  | 20.44    | 19.82 | 20.36 | 34.77       | PASS    |
|                               | 25            | 0      | 21.65                 | 21.20 | 21.43 | -1.15        | 1.00  | 20.50    | 20.05 | 20.28 | 34.77       | PASS    |

Note:  
1) dBd = dBi - 2.15  
2) EIRP = Conducted output power + Antenna gain (dBi)  
3) ERP = Conducted output power + Antenna gain (dBd)

| Test Band: 12_ 10MHz Bandwidth |               |        |                       |       |       |              |       |          |       |       |             |         |
|--------------------------------|---------------|--------|-----------------------|-------|-------|--------------|-------|----------|-------|-------|-------------|---------|
| Modulation                     | RB Allocation |        | Conducted Power (dBm) |       |       | Antenna gain |       | ERP(dBm) |       |       | Limit (dBm) | Verdict |
|                                | Size          | Offset | LCH                   | MCH   | HCH   | (dBd)        | (dBi) | LCH      | MCH   | HCH   |             |         |
| QPSK                           | 1             | 0      | 23.81                 | 23.24 | 23.19 | -1.15        | 1.00  | 22.66    | 22.09 | 22.04 | 34.77       | PASS    |
|                                |               | 25     | 23.16                 | 23.24 | 23.15 | -1.15        | 1.00  | 22.01    | 22.09 | 22.00 | 34.77       | PASS    |
|                                |               | 49     | 22.88                 | 22.98 | 23.48 | -1.15        | 1.00  | 21.73    | 21.83 | 22.33 | 34.77       | PASS    |
|                                | 25            | 0      | 22.59                 | 22.20 | 22.24 | -1.15        | 1.00  | 21.44    | 21.05 | 21.09 | 34.77       | PASS    |
|                                |               | 13     | 22.23                 | 22.19 | 22.10 | -1.15        | 1.00  | 21.08    | 21.04 | 20.95 | 34.77       | PASS    |
|                                |               | 25     | 22.24                 | 22.19 | 22.24 | -1.15        | 1.00  | 21.09    | 21.04 | 21.09 | 34.77       | PASS    |
| 50                             | 0             | 22.47  | 22.19                 | 22.24 | -1.15 | 1.00         | 21.32 | 21.04    | 21.09 | 34.77 | PASS        |         |
| 16QAM                          | 1             | 0      | 22.90                 | 22.56 | 22.18 | -1.15        | 1.00  | 21.75    | 21.41 | 21.03 | 34.77       | PASS    |
|                                |               | 25     | 22.29                 | 22.87 | 22.46 | -1.15        | 1.00  | 21.14    | 21.72 | 21.31 | 34.77       | PASS    |
|                                |               | 49     | 22.18                 | 22.52 | 23.05 | -1.15        | 1.00  | 21.03    | 21.37 | 21.90 | 34.77       | PASS    |
|                                | 25            | 0      | 21.64                 | 21.33 | 21.15 | -1.15        | 1.00  | 20.49    | 20.18 | 20.00 | 34.77       | PASS    |
|                                |               | 13     | 21.28                 | 21.25 | 21.20 | -1.15        | 1.00  | 20.13    | 20.10 | 20.05 | 34.77       | PASS    |
|                                |               | 25     | 21.21                 | 21.33 | 21.33 | -1.15        | 1.00  | 20.06    | 20.18 | 20.18 | 34.77       | PASS    |
|                                | 50            | 0      | 21.40                 | 21.22 | 21.33 | -1.15        | 1.00  | 20.25    | 20.07 | 20.18 | 34.77       | PASS    |

Note:  
1) dBd = dBi - 2.15  
2) EIRP = Conducted output power + Antenna gain (dBi)  
3) ERP = Conducted output power + Antenna gain (dBd)

## G2. Frequency stability

## G2.1 Test Result

| Test Band: 12 _ 1.4MHz Bandwidth (Frequency Error VS. Voltage) |               |        |            |            |                  |         |         |                       |         |         |             |         |
|--|---------------|--------|------------|------------|------------------|---------|---------|-----------------------|---------|---------|-------------|---------|
| Test Mode  | RB Allocation |        | Test Temp. | Test Volt. | Freq. Error (Hz) |         |         | Freq. vs. rated (ppm) |         |         | Limit (ppm) | Verdict |
|  | Size          | Offset |            |            | LCH              | MCH     | HCH     | LCH                   | MCH     | HCH     |             |         |
| QPSK   | 6             | 0      | NT         | LV         | -1.2302          | -2.4319 | -0.7868 | -0.0018               | -0.0034 | -0.0011 | 2.50        | PASS    |
|  |               |        |            | NV         | -0.6580          | -0.3290 | -0.9441 | -0.0009               | -0.0005 | -0.0013 | 2.50        | PASS    |
|  |               |        |            | HV         | -0.7582          | -2.1029 | -1.6451 | -0.0011               | -0.0030 | -0.0023 | 2.50        | PASS    |
| 16QAM  | 6             | 0      | NT         | LV         | 0.3862           | -4.4632 | -1.2302 | 0.0006                | -0.0063 | -0.0017 | 2.50        | PASS    |
|  |               |        |            | NV         | 0.1574           | -3.0041 | 0.2861  | 0.0002                | -0.0042 | 0.0004  | 2.50        | PASS    |
|  |               |        |            | HV         | -1.2732          | -1.7023 | 0.0429  | -0.0018               | -0.0024 | 0.0001  | 2.50        | PASS    |

| Test Band: 12 _ 1.4MHz Bandwidth (Frequency Error VS. Temperature) |               |        |            |            |                  |         |         |                       |         |         |             |         |
|--|---------------|--------|------------|------------|------------------|---------|---------|-----------------------|---------|---------|-------------|---------|
| Test Mode  | RB Allocation |        | Test Volt. | Test Temp. | Freq. Error (Hz) |         |         | Freq. vs. rated (ppm) |         |         | Limit (ppm) | Verdict |
|  | Size          | Offset |            |            | LCH              | MCH     | HCH     | LCH                   | MCH     | HCH     |             |         |
| QPSK   | 6             | 0      | NV         | -30.00     | -0.3004          | -2.6035 | -0.7439 | -0.0004               | -0.0037 | -0.0010 | 2.50        | PASS    |
|  |               |        |            | -20.00     | -1.1301          | -1.4019 | -1.8024 | -0.0016               | -0.0020 | -0.0025 | 2.50        | PASS    |
|  |               |        |            | -10.00     | -0.6008          | -1.4877 | -1.1158 | -0.0009               | -0.0021 | -0.0016 | 2.50        | PASS    |
|  |               |        |            | 0.00       | -0.9441          | -1.2302 | -1.2159 | -0.0013               | -0.0017 | -0.0017 | 2.50        | PASS    |
|  |               |        |            | 10.00      | -0.1574          | -1.6737 | -1.2445 | -0.0002               | -0.0024 | -0.0017 | 2.50        | PASS    |
|  |               |        |            | 20.00      | -0.8297          | -0.6008 | -0.5436 | -0.0012               | -0.0008 | -0.0008 | 2.50        | PASS    |
|  |               |        |            | 30.00      | -0.6151          | -2.4176 | -0.6723 | -0.0009               | -0.0034 | -0.0009 | 2.50        | PASS    |
|  |               |        |            | 40.00      | -0.3433          | -2.7037 | -0.3576 | -0.0005               | -0.0038 | -0.0005 | 2.50        | PASS    |
| 16QAM  | 6             | 0      | NV         | 50.00      | -0.0572          | -1.7166 | -1.1730 | -0.0001               | -0.0024 | -0.0016 | 2.50        | PASS    |
|  |               |        |            | -30.00     | -0.4292          | -3.7050 | -0.1860 | -0.0006               | -0.0052 | -0.0003 | 2.50        | PASS    |
|  |               |        |            | -20.00     | -0.3433          | -3.1614 | -0.1001 | -0.0005               | -0.0045 | -0.0001 | 2.50        | PASS    |
|  |               |        |            | -10.00     | -0.8726          | -2.6894 | 0.0286  | -0.0012               | -0.0038 | 0.0000  | 2.50        | PASS    |
|  |               |        |            | 0.00       | -1.4448          | -1.5020 | -0.6294 | -0.0021               | -0.0021 | -0.0009 | 2.50        | PASS    |
|  |               |        |            | 10.00      | -0.7725          | -5.0640 | -1.7023 | -0.0011               | -0.0072 | -0.0024 | 2.50        | PASS    |
|  |               |        |            | 20.00      | 0.1574           | -3.6192 | -2.3317 | 0.0002                | -0.0051 | -0.0033 | 2.50        | PASS    |
|  |               |        |            | 30.00      | 0.2718           | -1.3590 | -1.2875 | 0.0004                | -0.0019 | -0.0018 | 2.50        | PASS    |
| 16QAM  | 6             | 0      | NV         | 40.00      | -0.5579          | -2.2745 | -1.1587 | -0.0008               | -0.0032 | -0.0016 | 2.50        | PASS    |
|  |               |        |            | 50.00      | -0.7582          | -3.5620 | -0.5007 | -0.0011               | -0.0050 | -0.0007 | 2.50        | PASS    |

| Test Band: 12 _ 3MHz Bandwidth (Frequency Error VS. Voltage) |               |        |            |            |                  |         |         |                       |         |         |             |         |
|--|---------------|--------|------------|------------|------------------|---------|---------|-----------------------|---------|---------|-------------|---------|
| Test Mode  | RB Allocation |        | Test Temp. | Test Volt. | Freq. Error (Hz) |         |         | Freq. vs. rated (ppm) |         |         | Limit (ppm) | Verdict |
|  | Size          | Offset |            |            | LCH              | MCH     | HCH     | LCH                   | MCH     | HCH     |             |         |
| QPSK   | 15            | 0      | NT         | LV         | -2.8753          | -0.5436 | -1.8597 | -0.0041               | -0.0008 | -0.0026 | 2.50        | PASS    |
|  |               |        |            | NV         | -2.0313          | -1.7166 | -0.5865 | -0.0029               | -0.0024 | -0.0008 | 2.50        | PASS    |
|  |               |        |            | HV         | -2.5177          | -1.2588 | -0.1431 | -0.0036               | -0.0018 | -0.0002 | 2.50        | PASS    |
| 16QAM  | 15            | 0      | NT         | LV         | -3.5620          | -1.8168 | -0.5007 | -0.0051               | -0.0026 | -0.0007 | 2.50        | PASS    |
|  |               |        |            | NV         | -3.1328          | -1.8168 | -0.8297 | -0.0045               | -0.0026 | -0.0012 | 2.50        | PASS    |
|  |               |        |            | HV         | -3.3474          | -2.0742 | -0.3147 | -0.0048               | -0.0029 | -0.0004 | 2.50        | PASS    |

| Test Band: 12 _ 3MHz Bandwidth (Frequency Error VS. Temperature) |               |        |            |            |                  |         |         |                       |         |         |             |         |
|--|---------------|--------|------------|------------|------------------|---------|---------|-----------------------|---------|---------|-------------|---------|
| Test Mode  | RB Allocation |        | Test Volt. | Test Temp. | Freq. Error (Hz) |         |         | Freq. vs. rated (ppm) |         |         | Limit (ppm) | Verdict |
|  | Size          | Offset |            |            | LCH              | MCH     | HCH     | LCH                   | MCH     | HCH     |             |         |
| QPSK   | 15            | 0      | NV         | -30.00     | -1.3447          | -1.5736 | -1.3590 | -0.0019               | -0.0022 | -0.0019 | 2.50        | PASS    |
|  |               |        |            | -20.00     | -1.9741          | 0.2146  | 0.3290  | -0.0028               | 0.0003  | 0.0005  | 2.50        | PASS    |
|  |               |        |            | -10.00     | -0.9441          | -2.5606 | -0.5293 | -0.0013               | -0.0036 | -0.0007 | 2.50        | PASS    |

|       |         |         |         |         |         |         |         |         |         |         |      |      |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|------|
| 16QAM | 15      | 0       | NV      | 0.00    | -2.4033 | -1.3161 | 0.0715  | -0.0034 | -0.0019 | 0.0001  | 2.50 | PASS |
|       |         |         |         | 10.00   | -2.9039 | -1.0729 | -1.3304 | -0.0041 | -0.0015 | -0.0019 | 2.50 | PASS |
|       |         |         |         | 20.00   | -2.0313 | -1.8168 | -0.3004 | -0.0029 | -0.0026 | -0.0004 | 2.50 | PASS |
|       |         |         |         | 30.00   | -2.9612 | -2.0027 | -0.6151 | -0.0042 | -0.0028 | -0.0009 | 2.50 | PASS |
|       |         |         |         | 40.00   | -2.2030 | -1.8597 | -0.4578 | -0.0031 | -0.0026 | -0.0006 | 2.50 | PASS |
|       |         |         |         | 50.00   | -2.1887 | -1.7881 | -1.6451 | -0.0031 | -0.0025 | -0.0023 | 2.50 | PASS |
|       |         |         |         | -30.00  | -2.7466 | -1.3733 | -0.5007 | -0.0039 | -0.0019 | -0.0007 | 2.50 | PASS |
|       |         |         |         | -20.00  | -2.5606 | -2.8896 | -1.4448 | -0.0037 | -0.0041 | -0.0020 | 2.50 | PASS |
|       |         |         |         | -10.00  | -3.5191 | -1.9026 | -1.6737 | -0.0050 | -0.0027 | -0.0023 | 2.50 | PASS |
|       |         |         |         | 0.00    | -2.7323 | -2.7037 | -1.6880 | -0.0039 | -0.0038 | -0.0024 | 2.50 | PASS |
|       |         |         |         | 10.00   | -2.3174 | -1.7881 | -1.5593 | -0.0033 | -0.0025 | -0.0022 | 2.50 | PASS |
|       |         |         |         | 20.00   | -2.4462 | -2.2602 | -1.1158 | -0.0035 | -0.0032 | -0.0016 | 2.50 | PASS |
|       |         |         |         | 30.00   | -3.2473 | -2.0742 | -0.7868 | -0.0046 | -0.0029 | -0.0011 | 2.50 | PASS |
|       |         |         |         | 40.00   | -3.2187 | -1.9741 | -0.3433 | -0.0046 | -0.0028 | -0.0005 | 2.50 | PASS |
| 50.00 | -2.7037 | -2.7323 | -1.4734 | -0.0039 | -0.0039 | -0.0021 | 2.50    | PASS    |         |         |      |      |

| Test Band: 12_ 5MHz Bandwidth (Frequency Error VS. Voltage) |               |        |            |            |                  |         |         |                       |         |         |             |         |
|---|---------------|--------|------------|------------|------------------|---------|---------|-----------------------|---------|---------|-------------|---------|
| Test Mode   | RB Allocation |        | Test Temp. | Test Volt. | Freq. Error (Hz) |         |         | Freq. vs. rated (ppm) |         |         | Limit (ppm) | Verdict |
|   | Size          | Offset |            |            | LCH              | MCH     | HCH     | LCH                   | MCH     | HCH     |             |         |
| QPSK  | 25            | 0      | NT         | LV         | -0.0715          | -1.5879 | -2.8324 | -0.0001               | -0.0022 | -0.0040 | 2.50        | PASS    |
|   |               |        |            | NV         | -0.5722          | -1.4162 | -0.1287 | -0.0008               | -0.0020 | -0.0002 | 2.50        | PASS    |
|   |               |        |            | HV         | -0.2003          | -1.6165 | 0.2289  | -0.0003               | -0.0023 | 0.0003  | 2.50        | PASS    |
| 16QAM   | 25            | 0      | NT         | LV         | -1.1158          | -0.8297 | -1.0872 | -0.0016               | -0.0012 | -0.0015 | 2.50        | PASS    |
|   |               |        |            | NV         | -0.4005          | -1.2016 | -1.4591 | -0.0006               | -0.0017 | -0.0020 | 2.50        | PASS    |
|   |               |        |            | HV         | -0.2718          | -1.6022 | 0.3004  | -0.0004               | -0.0023 | 0.0004  | 2.50        | PASS    |

| Test Band: 12_ 5MHz Bandwidth (Frequency Error VS. Temperature) |               |        |            |            |                  |         |         |                       |         |         |             |         |
|---|---------------|--------|------------|------------|------------------|---------|---------|-----------------------|---------|---------|-------------|---------|
| Test Mode   | RB Allocation |        | Test Volt. | Test Temp. | Freq. Error (Hz) |         |         | Freq. vs. rated (ppm) |         |         | Limit (ppm) | Verdict |
|   | Size          | Offset |            |            | LCH              | MCH     | HCH     | LCH                   | MCH     | HCH     |             |         |
| QPSK  | 25            | 0      | NV         | -30.00     | -0.9012          | -1.3304 | -0.6866 | -0.0013               | -0.0019 | -0.0010 | 2.50        | PASS    |
|   |               |        |            | -20.00     | -1.0586          | -0.9727 | -1.7881 | -0.0015               | -0.0014 | -0.0025 | 2.50        | PASS    |
|   |               |        |            | -10.00     | -0.8011          | -1.3018 | -0.3433 | -0.0011               | -0.0018 | -0.0005 | 2.50        | PASS    |
|   |               |        |            | 0.00       | -0.8297          | -1.4591 | -1.2732 | -0.0012               | -0.0021 | -0.0018 | 2.50        | PASS    |
|   |               |        |            | 10.00      | -0.7868          | -0.6008 | -0.5579 | -0.0011               | -0.0008 | -0.0008 | 2.50        | PASS    |
|   |               |        |            | 20.00      | -0.8154          | -0.9155 | -0.7582 | -0.0012               | -0.0013 | -0.0011 | 2.50        | PASS    |
|   |               |        |            | 30.00      | -0.8726          | -0.7296 | -0.8583 | -0.0012               | -0.0010 | -0.0012 | 2.50        | PASS    |
|   |               |        |            | 40.00      | -1.0443          | -1.4734 | -0.9012 | -0.0015               | -0.0021 | -0.0013 | 2.50        | PASS    |
| 16QAM   | 25            | 0      | NV         | 50.00      | -2.2173          | -0.7296 | -0.6580 | -0.0032               | -0.0010 | -0.0009 | 2.50        | PASS    |
|   |               |        |            | -30.00     | -0.3576          | -1.0300 | 1.1158  | -0.0005               | -0.0015 | 0.0016  | 2.50        | PASS    |
|   |               |        |            | -20.00     | -0.4435          | -1.0586 | -1.6451 | -0.0006               | -0.0015 | -0.0023 | 2.50        | PASS    |
|   |               |        |            | -10.00     | -0.5579          | -1.7452 | 0.3147  | -0.0008               | -0.0025 | 0.0004  | 2.50        | PASS    |
|   |               |        |            | 0.00       | -0.7153          | -1.2016 | 0.3290  | -0.0010               | -0.0017 | 0.0005  | 2.50        | PASS    |
|   |               |        |            | 10.00      | 0.4148           | -2.0885 | -0.7725 | 0.0006                | -0.0030 | -0.0011 | 2.50        | PASS    |
|   |               |        |            | 20.00      | -0.5579          | -1.9169 | 0.6580  | -0.0008               | -0.0027 | 0.0009  | 2.50        | PASS    |
|   |               |        |            | 30.00      | -1.1587          | -0.7868 | -0.3862 | -0.0017               | -0.0011 | -0.0005 | 2.50        | PASS    |
| 16QAM   | 25            | 0      | NV         | 40.00      | -1.4448          | -1.5163 | -1.2732 | -0.0021               | -0.0021 | -0.0018 | 2.50        | PASS    |
|   |               |        |            | 50.00      | -1.1873          | -0.8726 | 0.1144  | -0.0017               | -0.0012 | 0.0002  | 2.50        | PASS    |

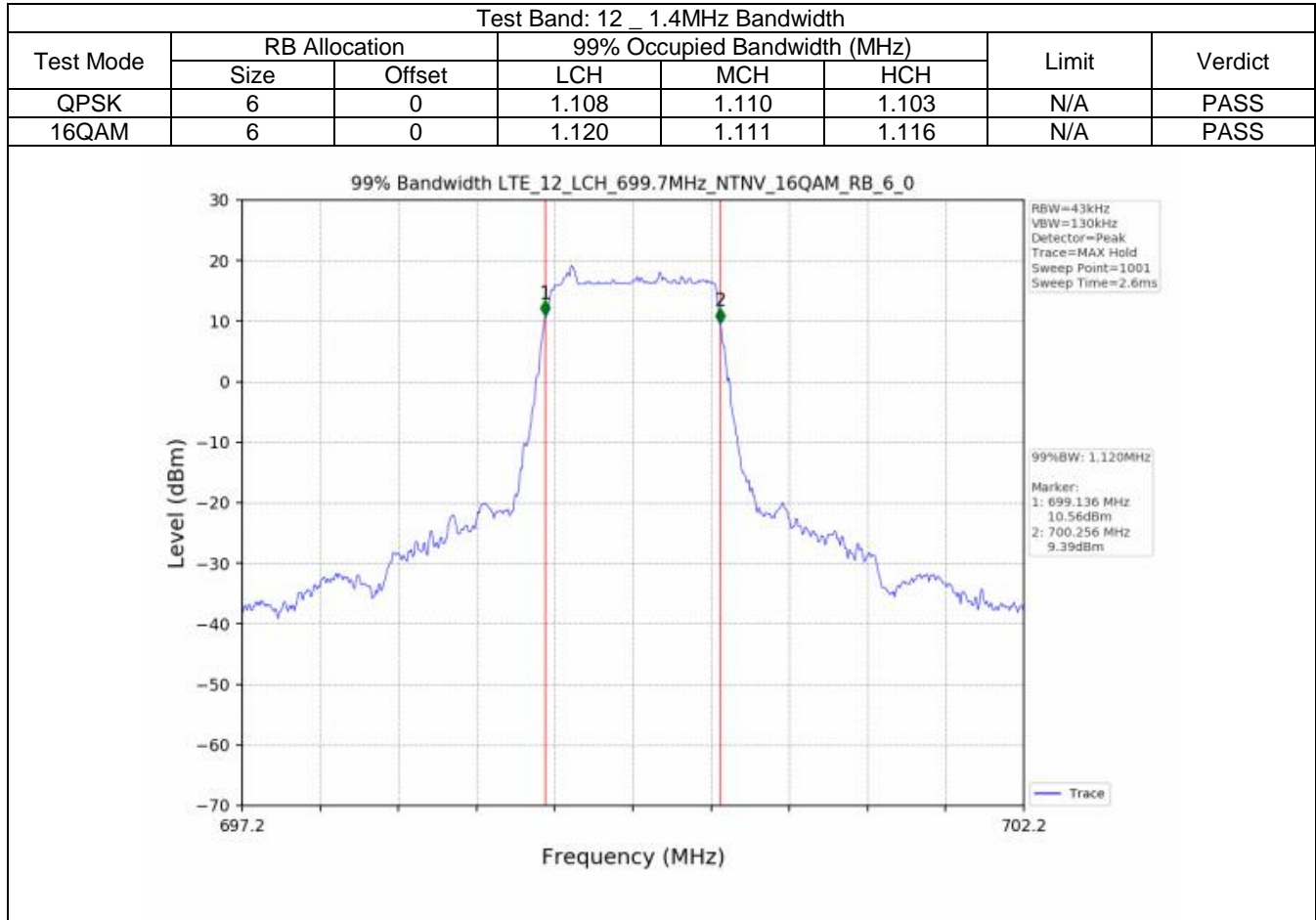
| Test Band: 12_ 10MHz Bandwidth (Frequency Error VS. Voltage) |               |        |            |            |                  |         |         |                       |         |         |             |         |
|--|---------------|--------|------------|------------|------------------|---------|---------|-----------------------|---------|---------|-------------|---------|
| Test Mode  | RB Allocation |        | Test Temp. | Test Volt. | Freq. Error (Hz) |         |         | Freq. vs. rated (ppm) |         |         | Limit (ppm) | Verdict |
|  | Size          | Offset |            |            | LCH              | MCH     | HCH     | LCH                   | MCH     | HCH     |             |         |
| QPSK   | 50            | 0      | NT         | LV         | -0.5007          | -2.2888 | -2.2745 | -0.0007               | -0.0032 | -0.0032 | 2.50        | PASS    |
|  |               |        |            | NV         | -2.0599          | -2.1601 | -2.1172 | -0.0029               | -0.0031 | -0.0030 | 2.50        | PASS    |
|  |               |        |            | HV         | -0.7725          | -1.3733 | -1.6451 | -0.0011               | -0.0019 | -0.0023 | 2.50        | PASS    |
| 16QAM  | 50            | 0      | NT         | LV         | -1.1730          | -2.5606 | -2.2459 | -0.0017               | -0.0036 | -0.0032 | 2.50        | PASS    |

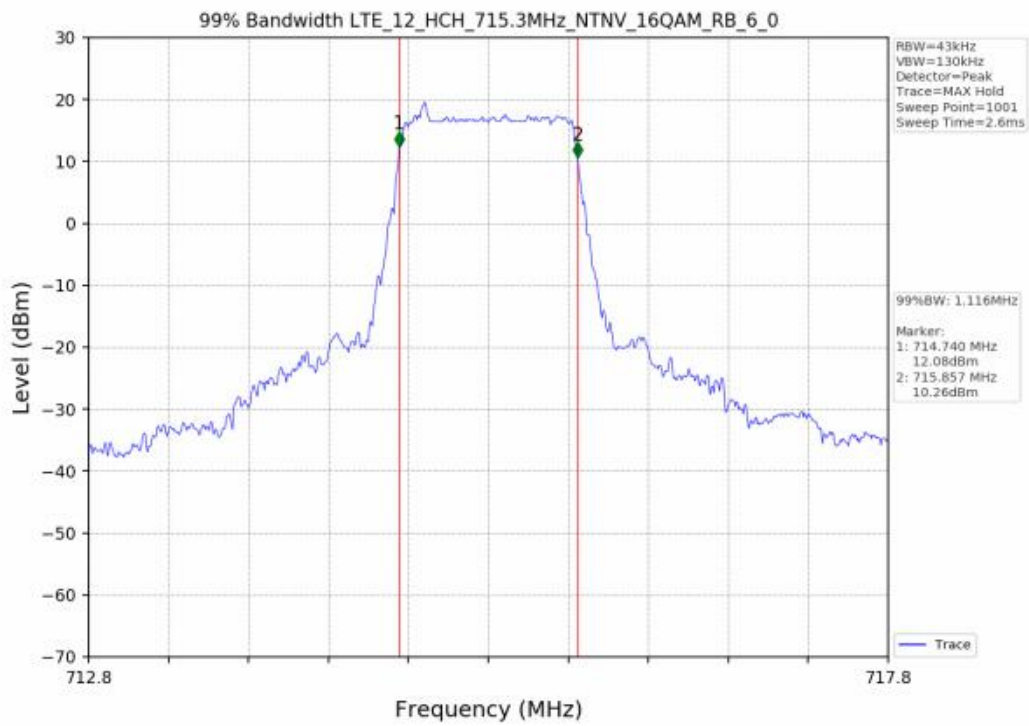
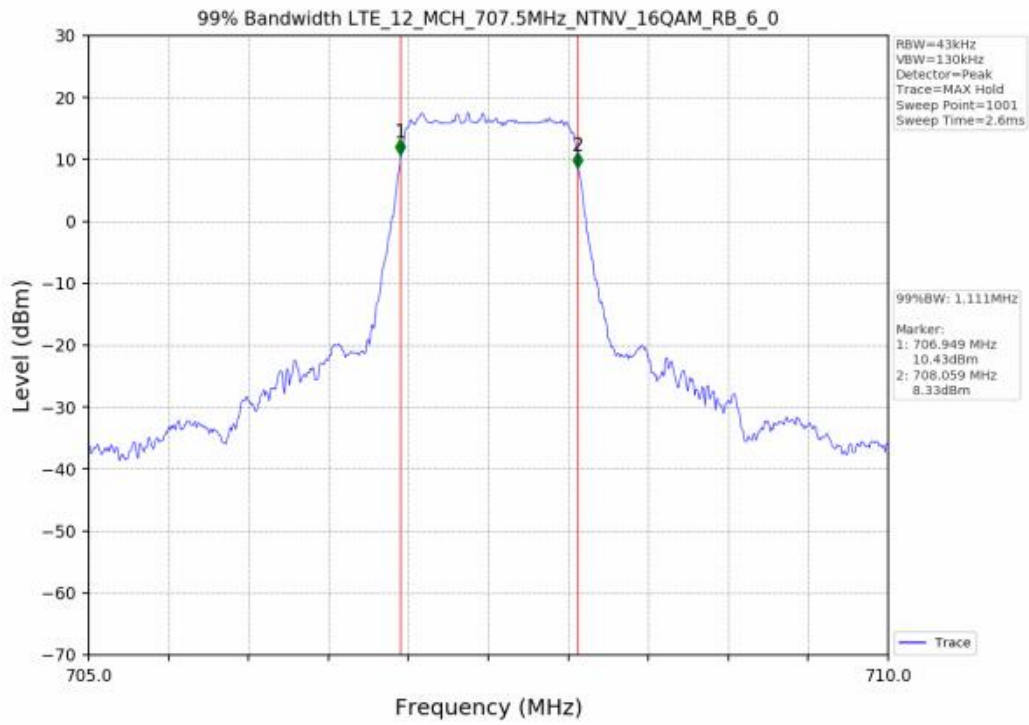
|  |  |  |  |    |         |         |         |         |         |         |      |      |
|--|--|--|--|----|---------|---------|---------|---------|---------|---------|------|------|
|  |  |  |  | NV | -1.4734 | -1.9741 | -1.9741 | -0.0021 | -0.0028 | -0.0028 | 2.50 | PASS |
|  |  |  |  | HV | -1.2588 | -1.7309 | -2.9325 | -0.0018 | -0.0024 | -0.0041 | 2.50 | PASS |

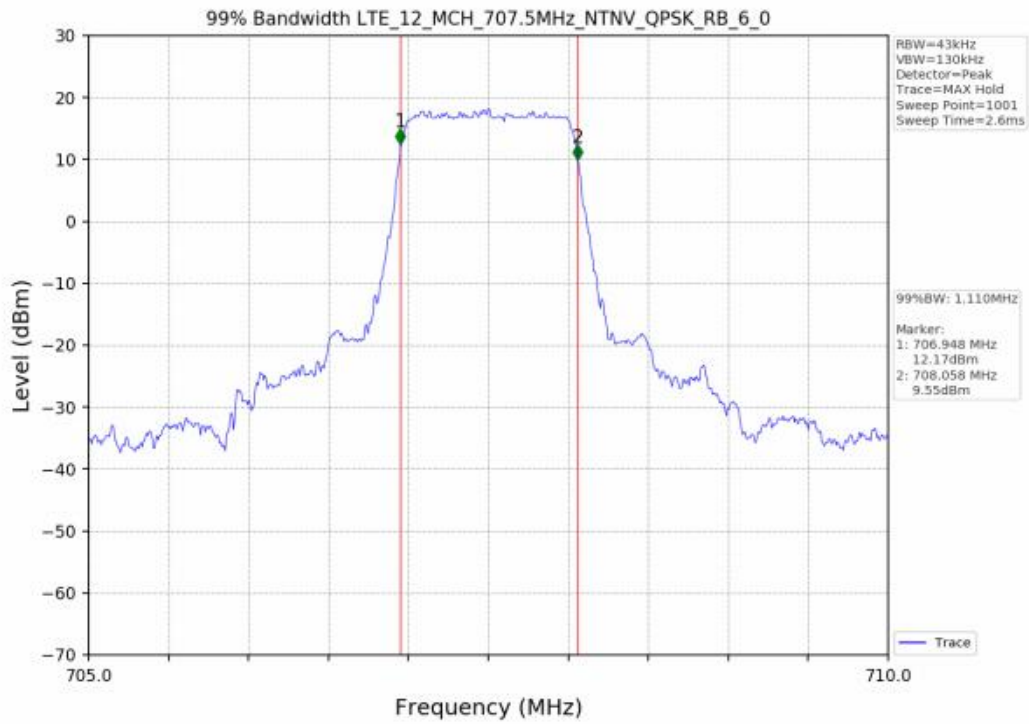
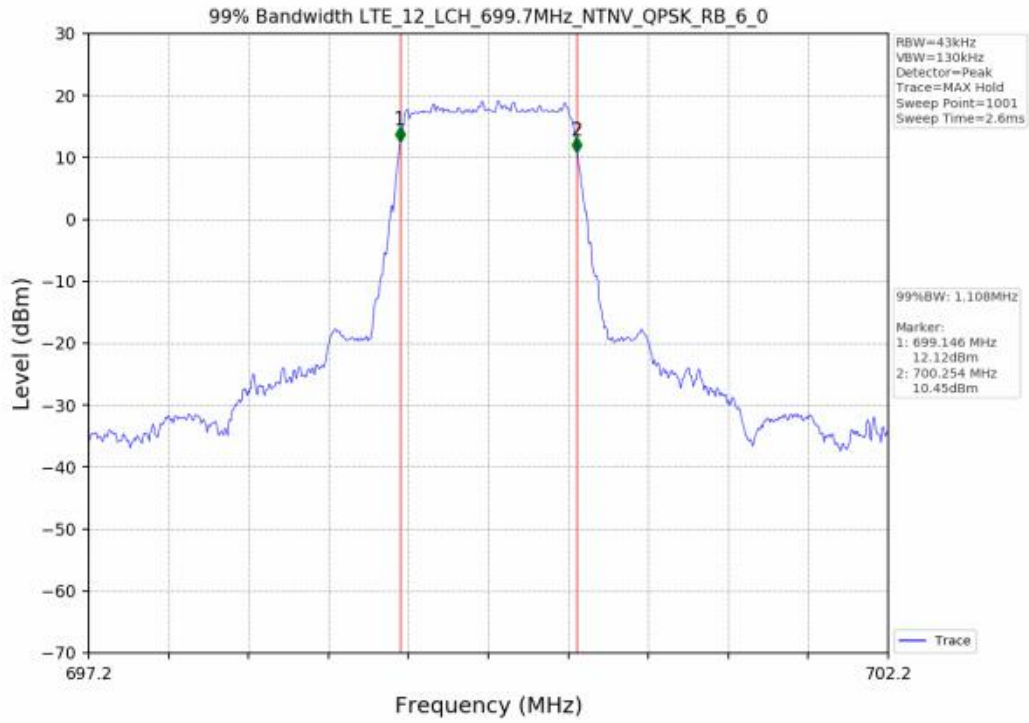
| Test Band: 12 _ 10MHz Bandwidth (Frequency Error VS. Temperature) |               |        |            |            |                  |         |         |                       |         |         |             |         |
|---|---------------|--------|------------|------------|------------------|---------|---------|-----------------------|---------|---------|-------------|---------|
| Test Mode   | RB Allocation |        | Test Volt. | Test Temp. | Freq. Error (Hz) |         |         | Freq. vs. rated (ppm) |         |         | Limit (ppm) | Verdict |
|   | Size          | Offset |            |            | LCH              | MCH     | HCH     | LCH                   | MCH     | HCH     |             |         |
| QPSK  | 50            | 0      | NV         | -30.00     | -0.0572          | -1.3447 | -0.0858 | -0.0001               | -0.0019 | -0.0001 | 2.50        | PASS    |
|   |               |        |            | -20.00     | 0.3433           | -1.6880 | -0.7582 | 0.0005                | -0.0024 | -0.0011 | 2.50        | PASS    |
|   |               |        |            | -10.00     | -0.4721          | -1.3304 | -1.5450 | -0.0007               | -0.0019 | -0.0022 | 2.50        | PASS    |
|   |               |        |            | 0.00       | -1.9884          | -1.9026 | -0.7296 | -0.0028               | -0.0027 | -0.0010 | 2.50        | PASS    |
|   |               |        |            | 10.00      | -2.1458          | -1.5879 | -0.2432 | -0.0030               | -0.0022 | -0.0003 | 2.50        | PASS    |
|   |               |        |            | 20.00      | -1.2875          | -1.9169 | -1.0443 | -0.0018               | -0.0027 | -0.0015 | 2.50        | PASS    |
|   |               |        |            | 30.00      | -0.3004          | -1.2445 | -0.6866 | -0.0004               | -0.0018 | -0.0010 | 2.50        | PASS    |
|   |               |        |            | 40.00      | -2.1458          | -0.8726 | -1.5020 | -0.0030               | -0.0012 | -0.0021 | 2.50        | PASS    |
| 16QAM   | 50            | 0      | NV         | 50.00      | -0.2432          | -1.6165 | -1.2159 | -0.0003               | -0.0023 | -0.0017 | 2.50        | PASS    |
|   |               |        |            | -30.00     | -0.6008          | -1.7166 | -1.8883 | -0.0009               | -0.0024 | -0.0027 | 2.50        | PASS    |
|   |               |        |            | -20.00     | -1.8311          | -0.8726 | -2.3890 | -0.0026               | -0.0012 | -0.0034 | 2.50        | PASS    |
|   |               |        |            | -10.00     | -1.6880          | -1.0157 | -2.4033 | -0.0024               | -0.0014 | -0.0034 | 2.50        | PASS    |
|   |               |        |            | 0.00       | -1.9598          | -1.0729 | -2.8896 | -0.0028               | -0.0015 | -0.0041 | 2.50        | PASS    |
|   |               |        |            | 10.00      | -1.6022          | -1.5450 | -2.6035 | -0.0023               | -0.0022 | -0.0037 | 2.50        | PASS    |
|   |               |        |            | 20.00      | -1.5450          | -0.4148 | -2.7323 | -0.0022               | -0.0006 | -0.0038 | 2.50        | PASS    |
|   |               |        |            | 30.00      | -1.5163          | -1.2445 | -2.0456 | -0.0022               | -0.0018 | -0.0029 | 2.50        | PASS    |
|   |               |        |            | 40.00      | -1.4305          | -0.8869 | -2.7037 | -0.0020               | -0.0013 | -0.0038 | 2.50        | PASS    |
|   |               |        |            | 50.00      | -2.4891          | -0.3719 | -2.0742 | -0.0035               | -0.0005 | -0.0029 | 2.50        | PASS    |

### G3. 99% & 26dB Bandwidth

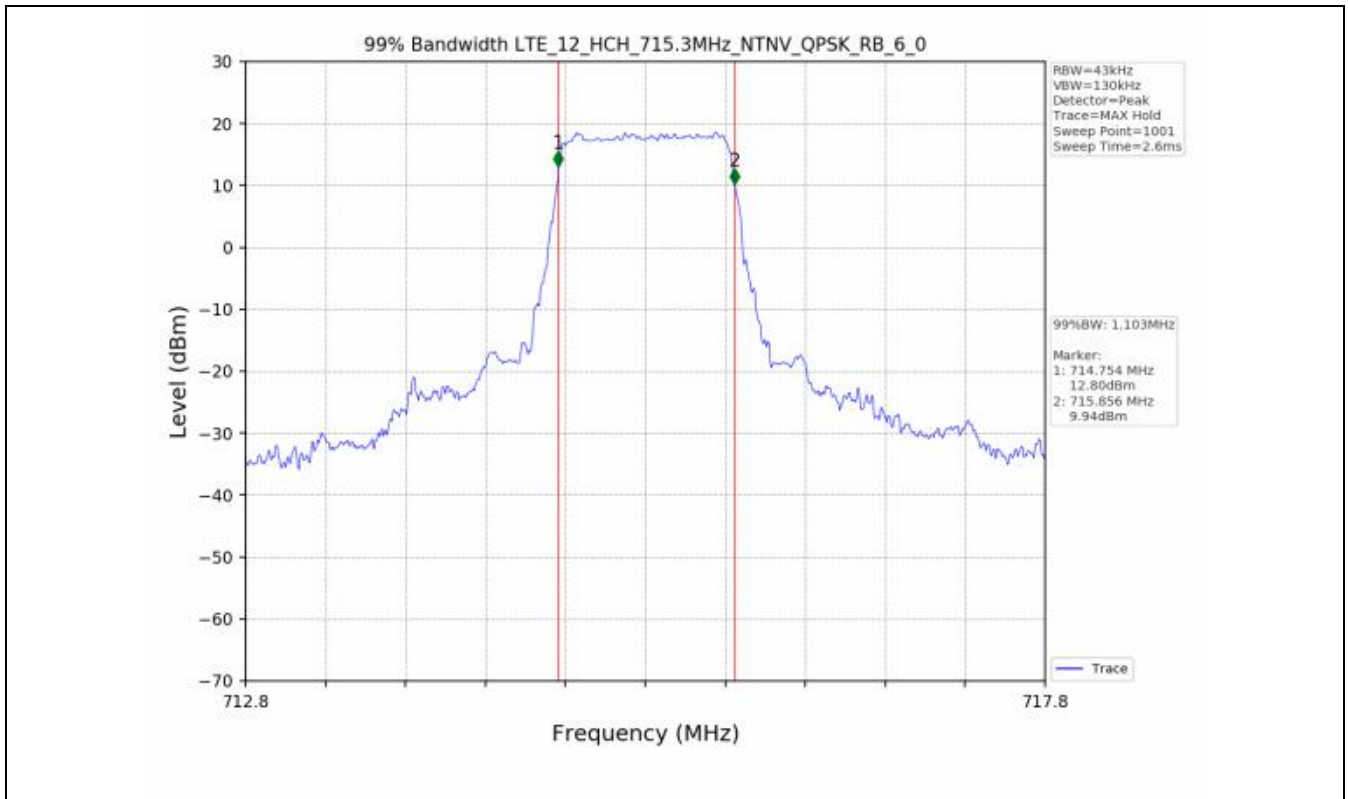
#### G3.1 Test Result

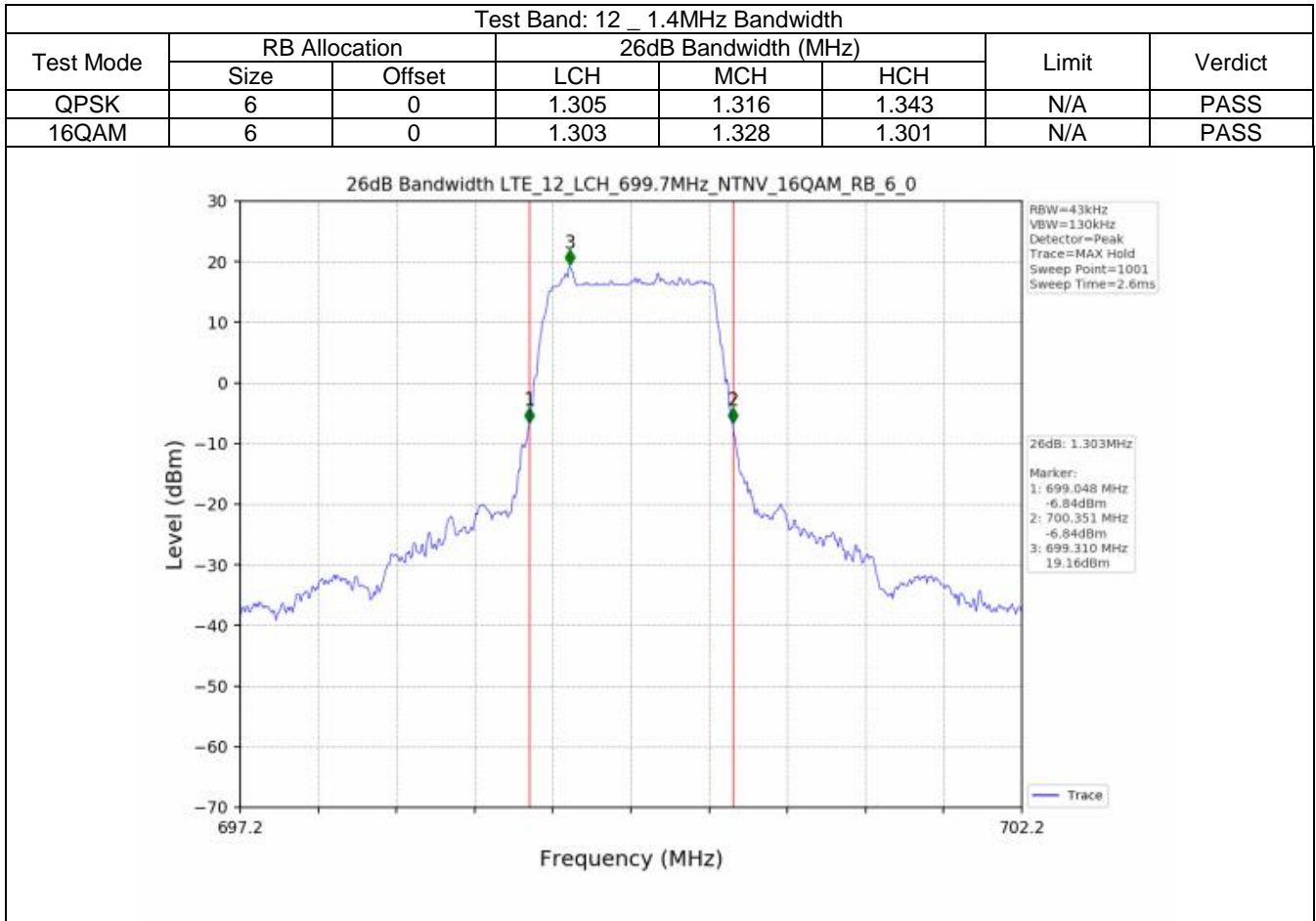


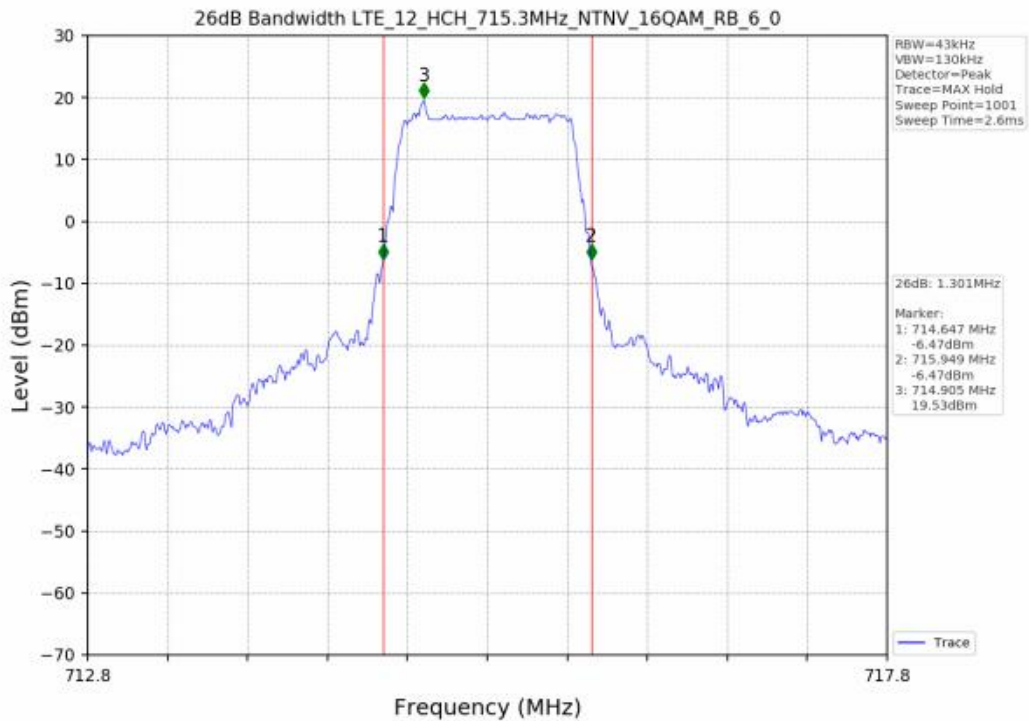
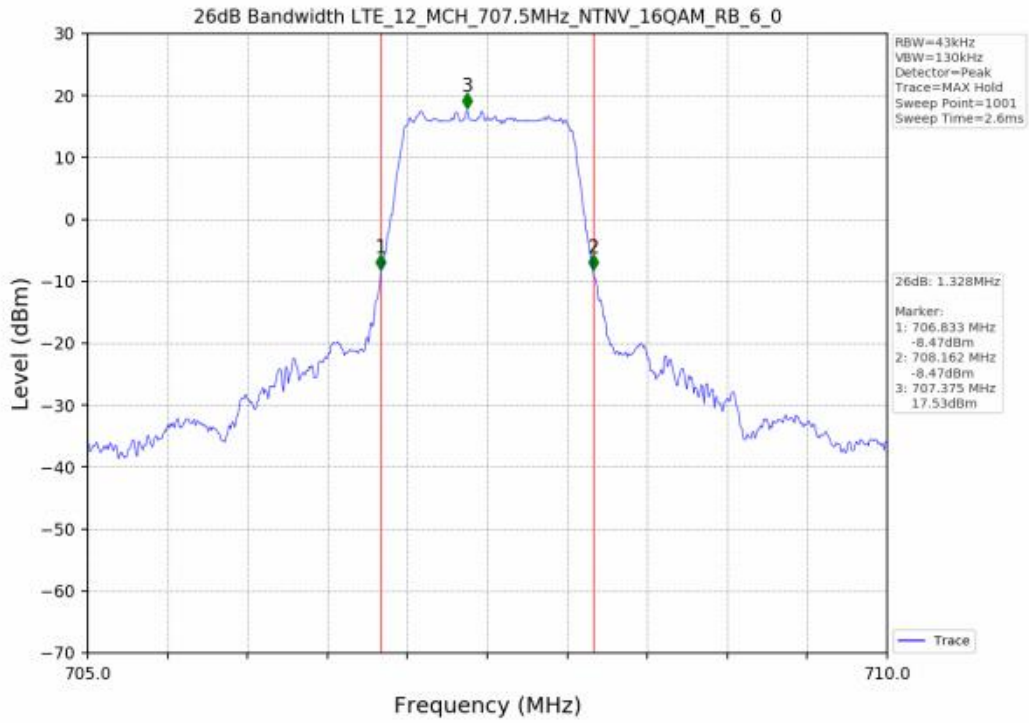


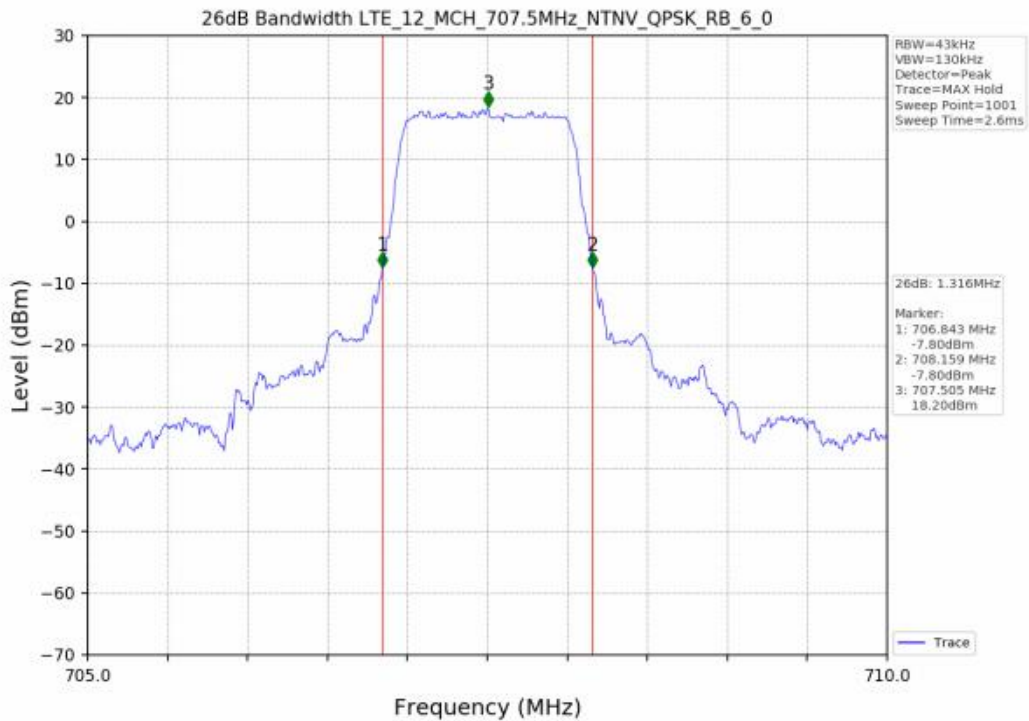
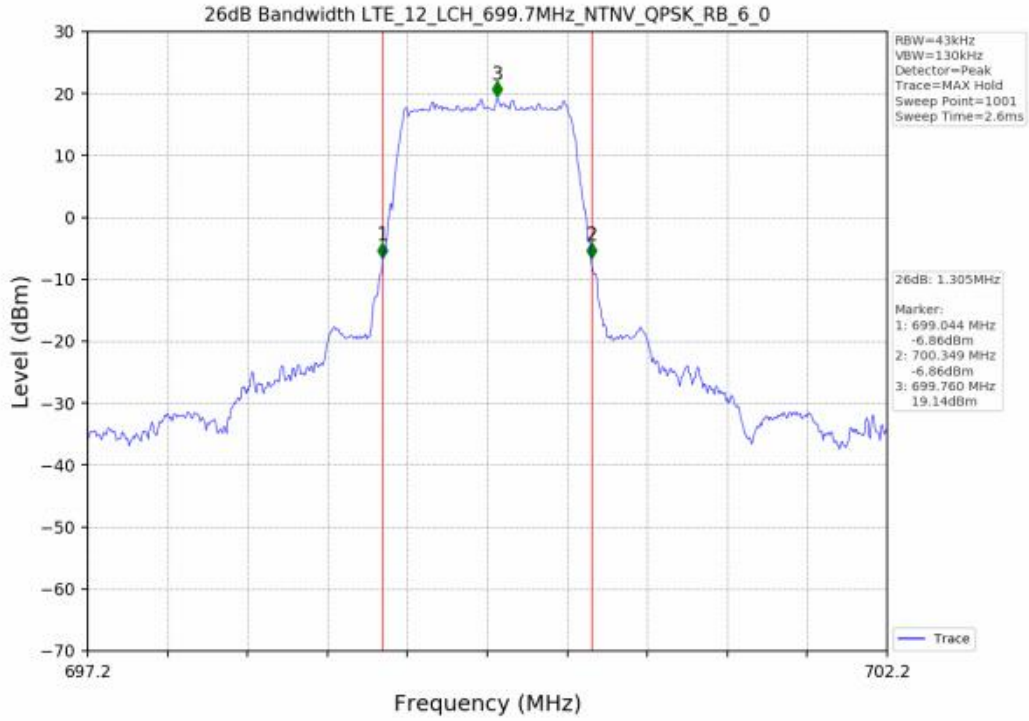


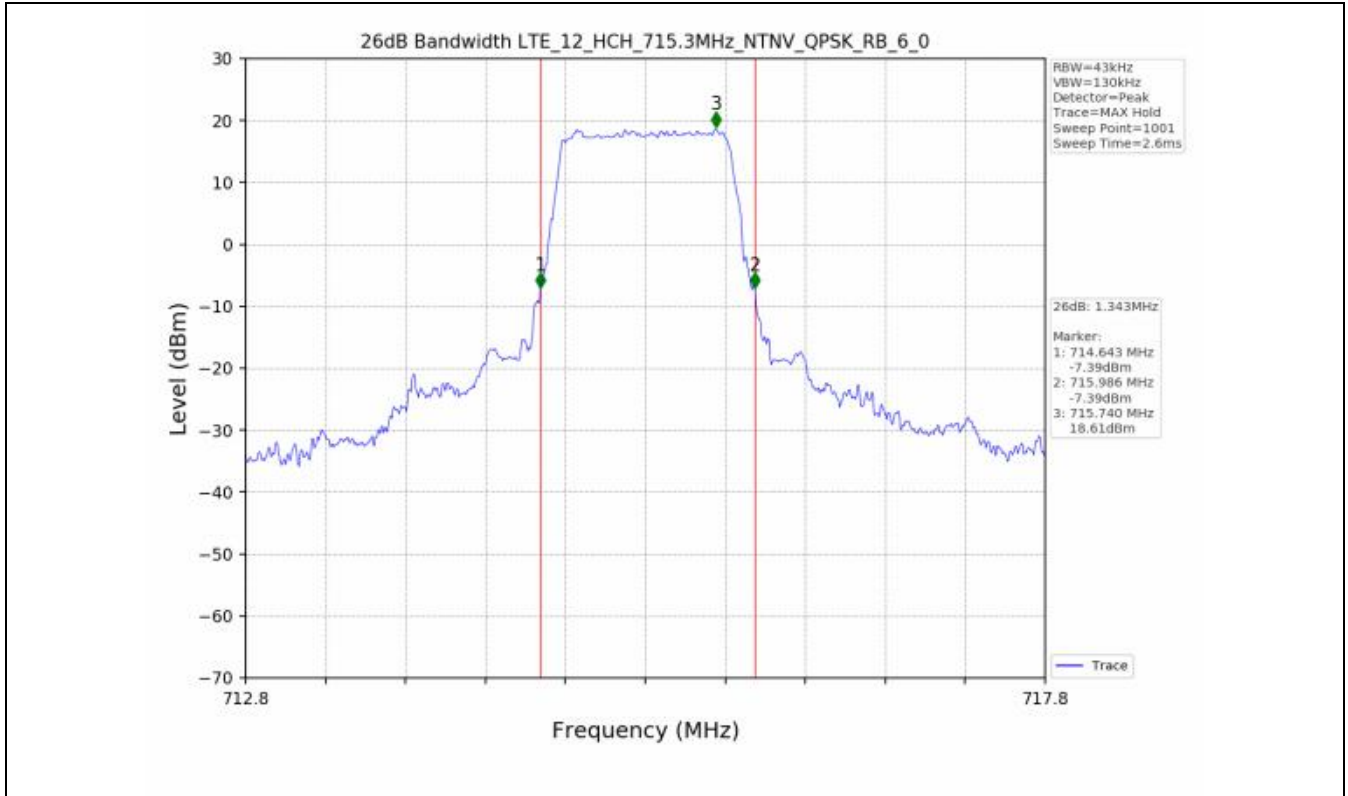


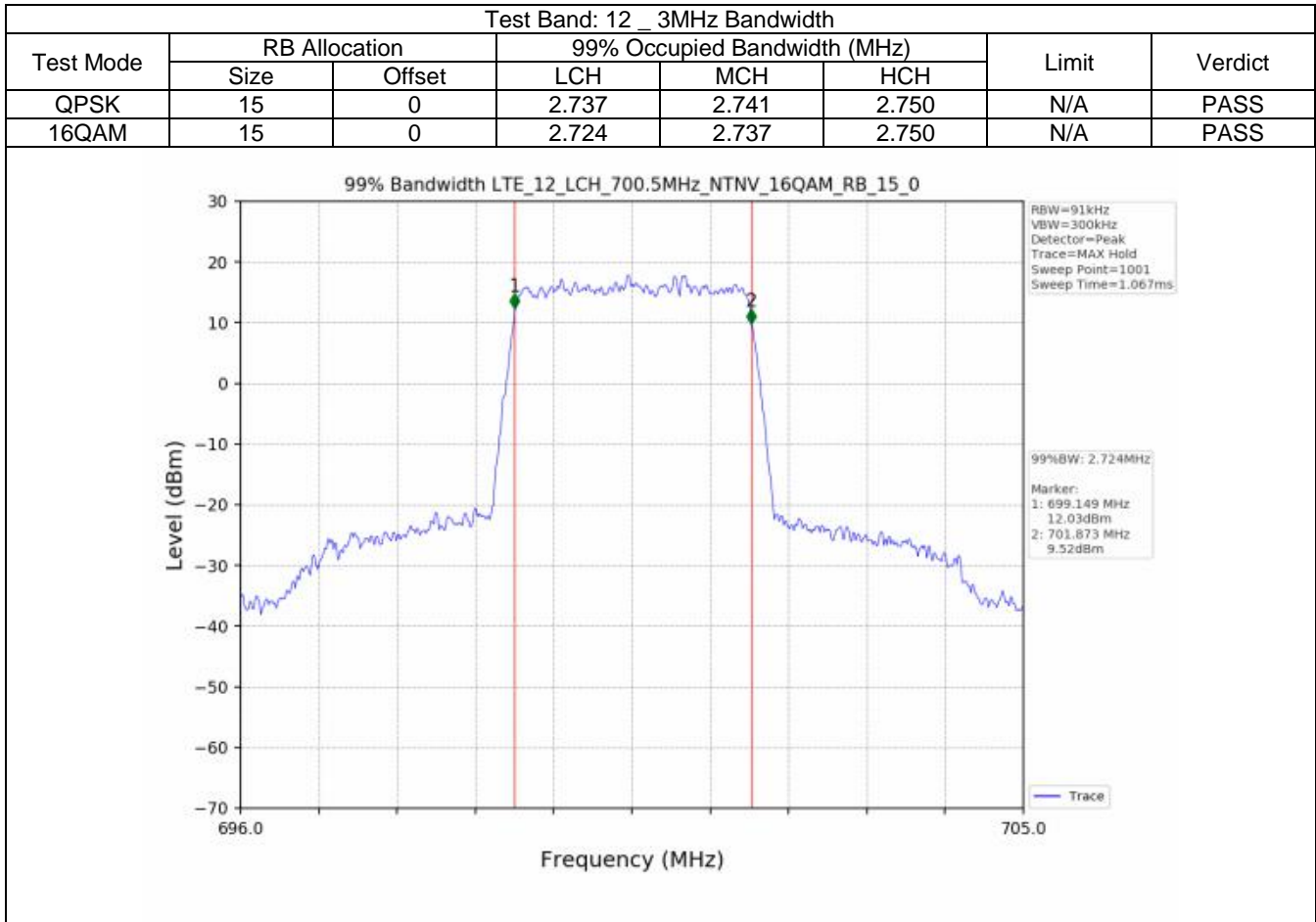


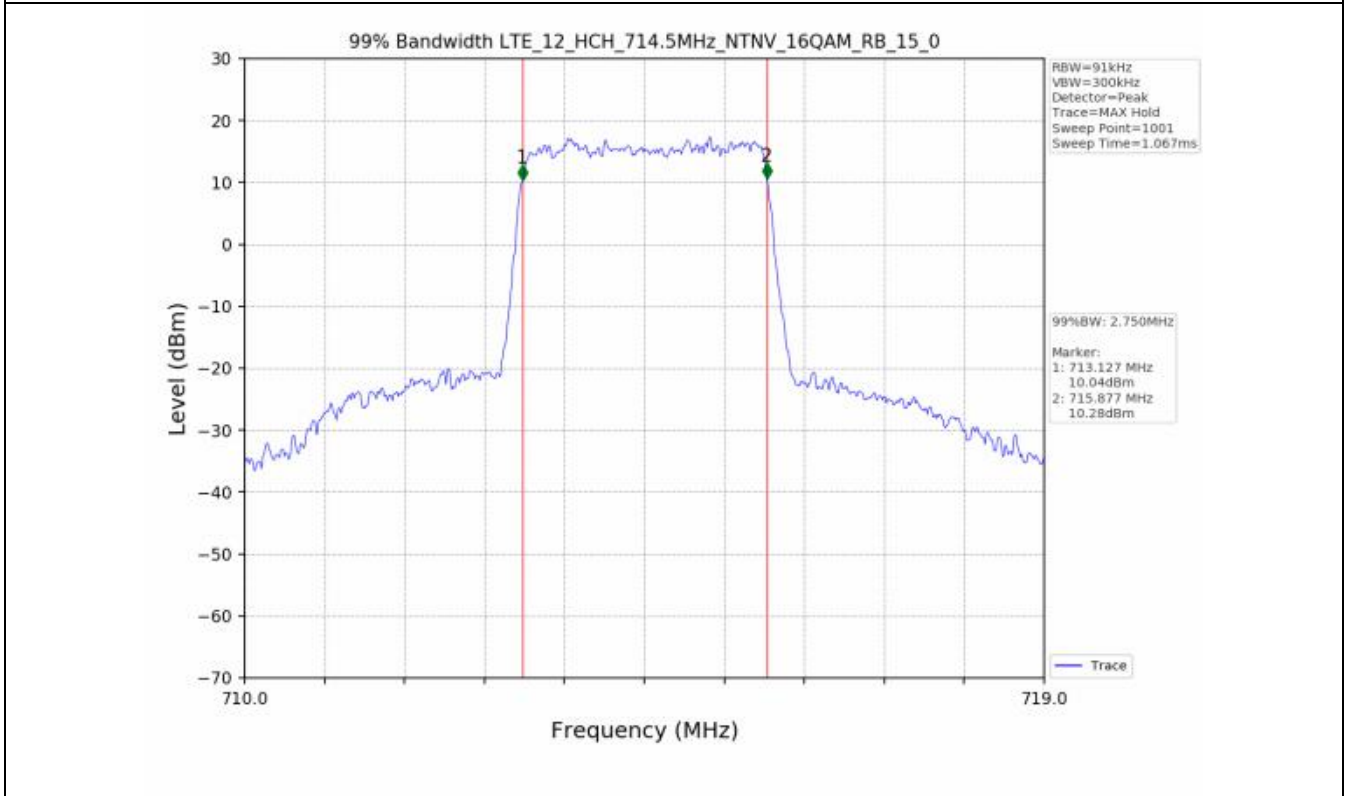
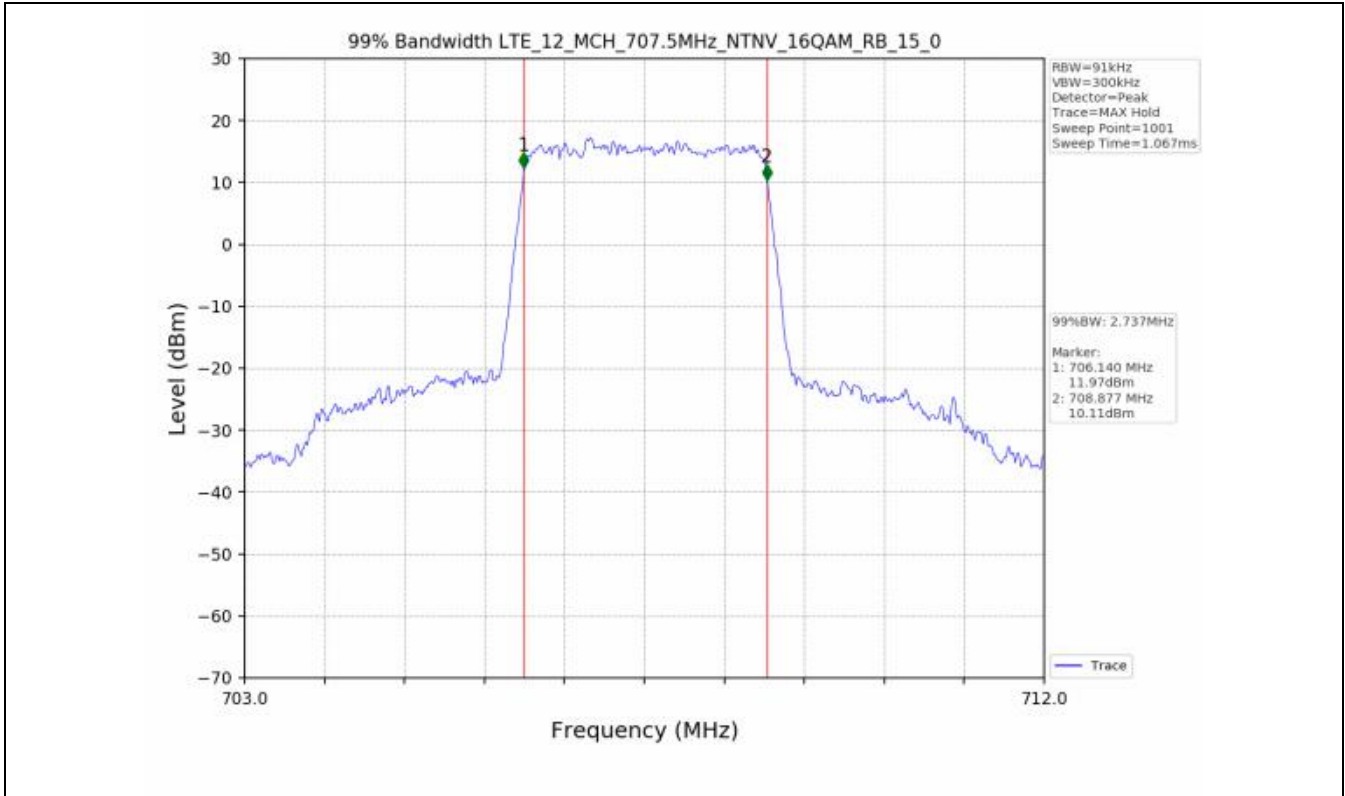


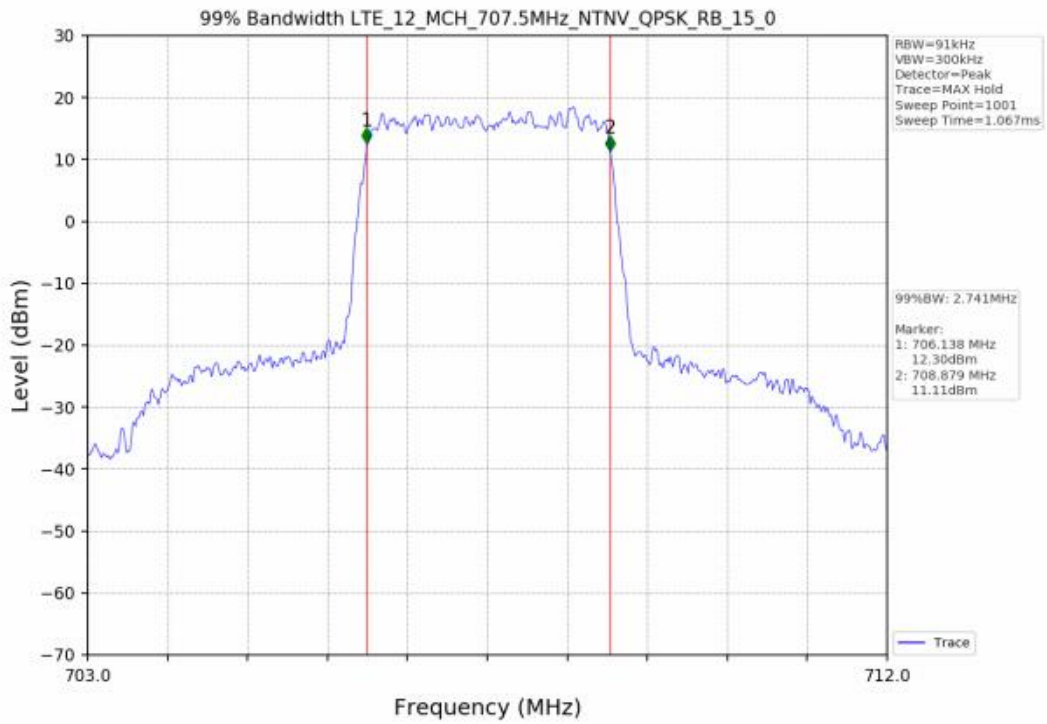
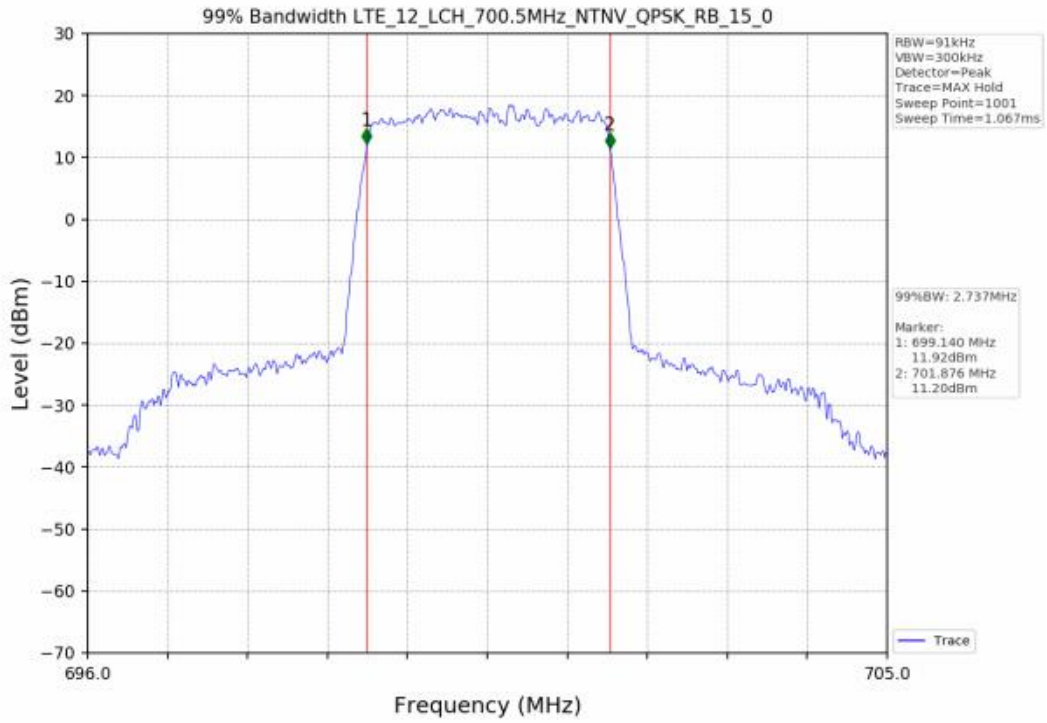




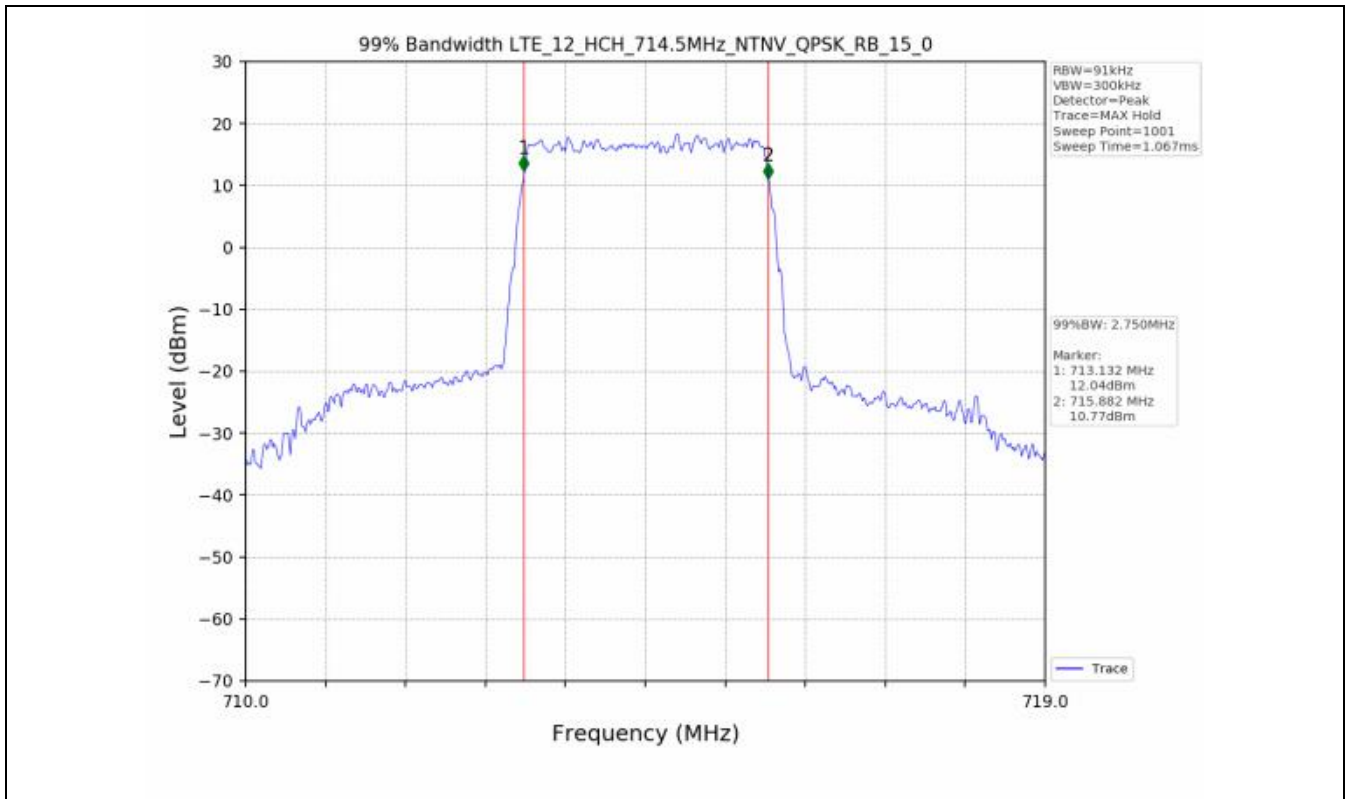


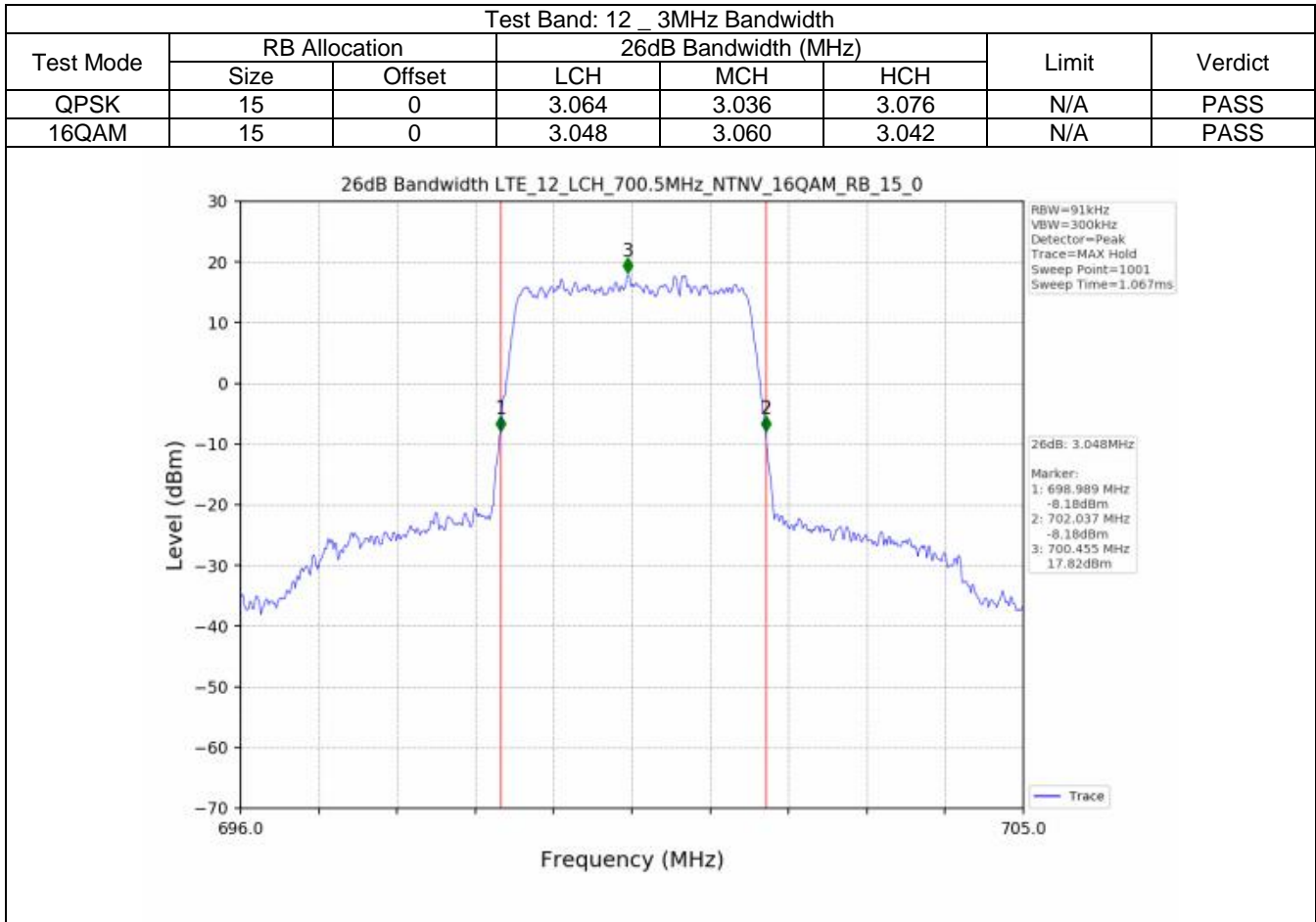


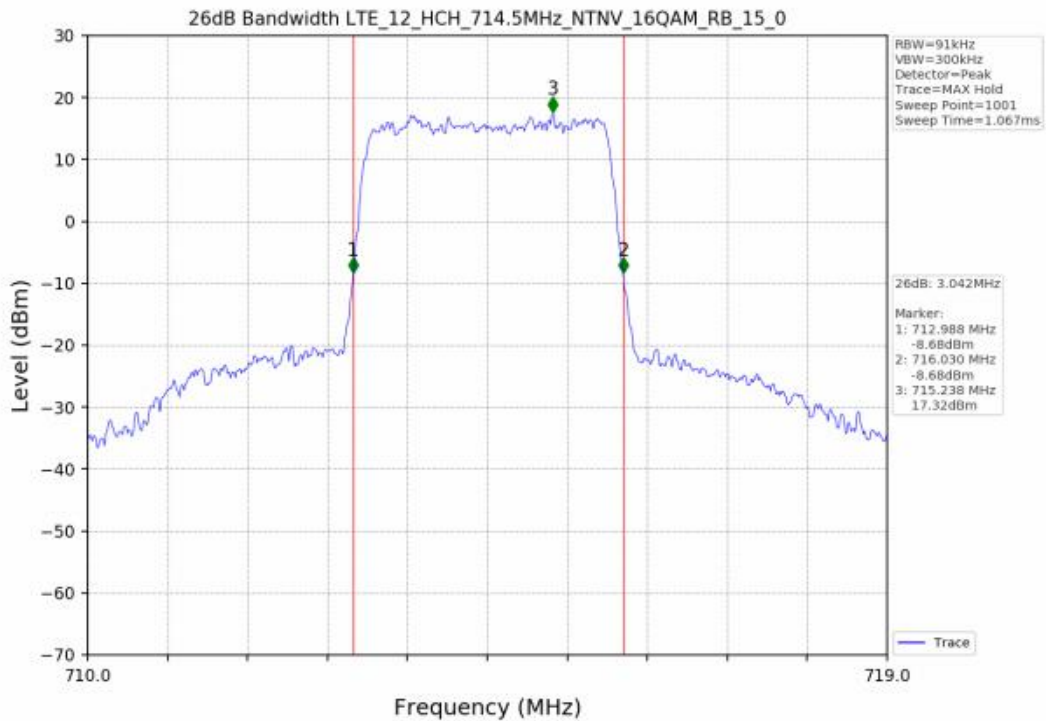
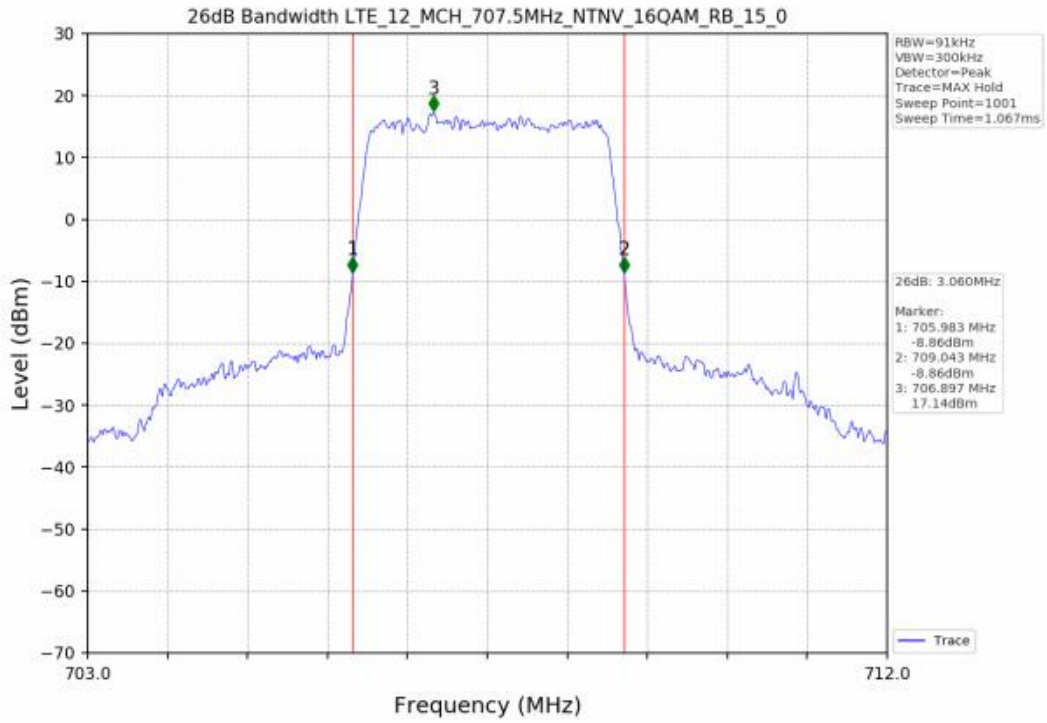


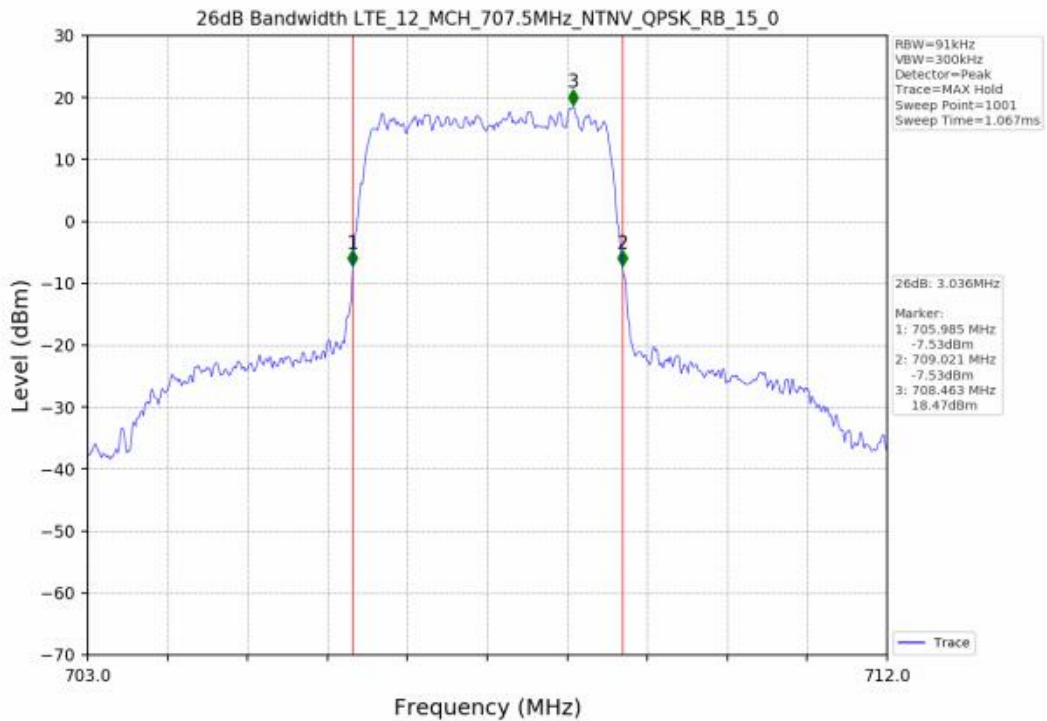
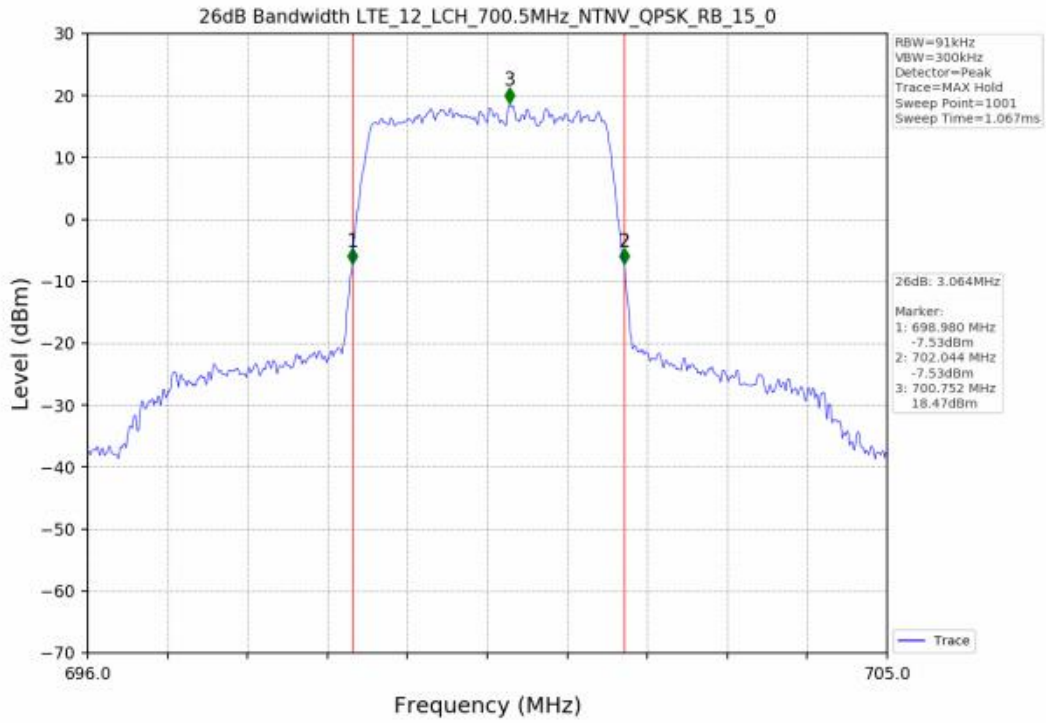


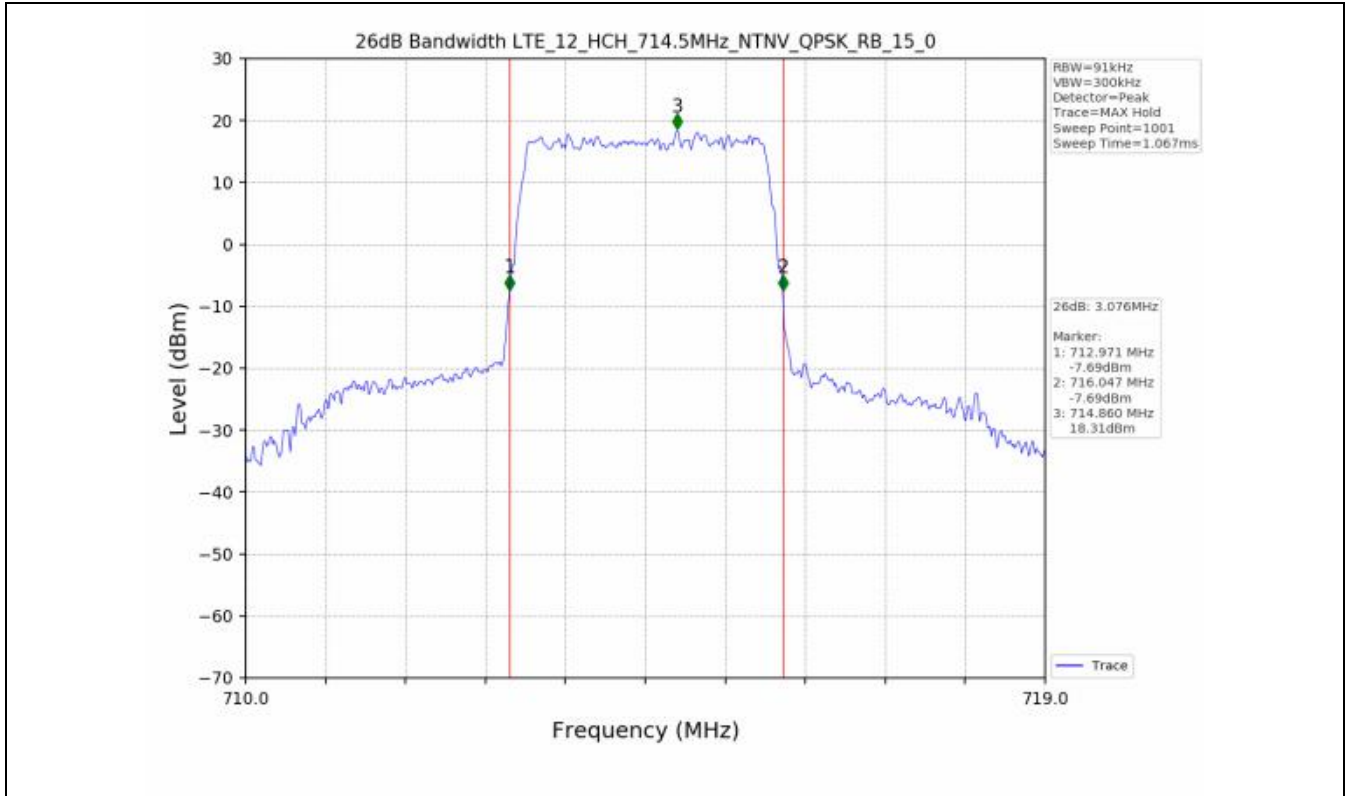


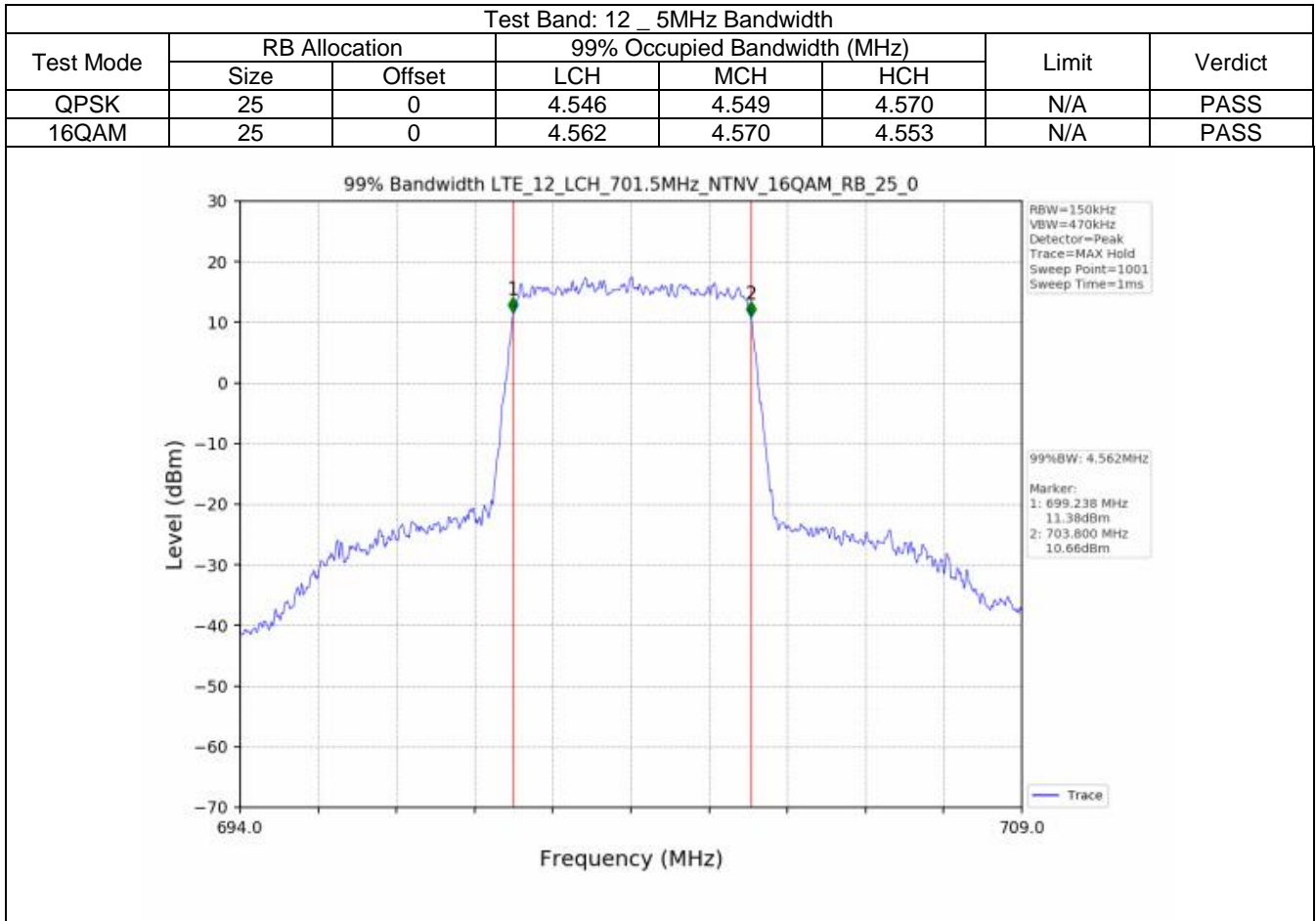


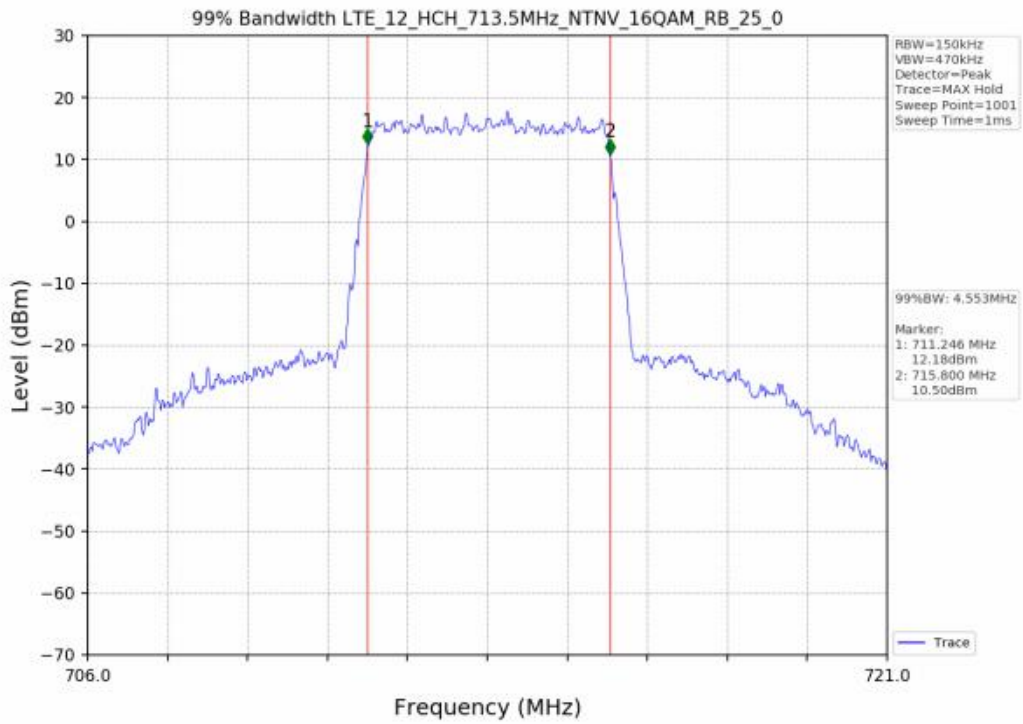
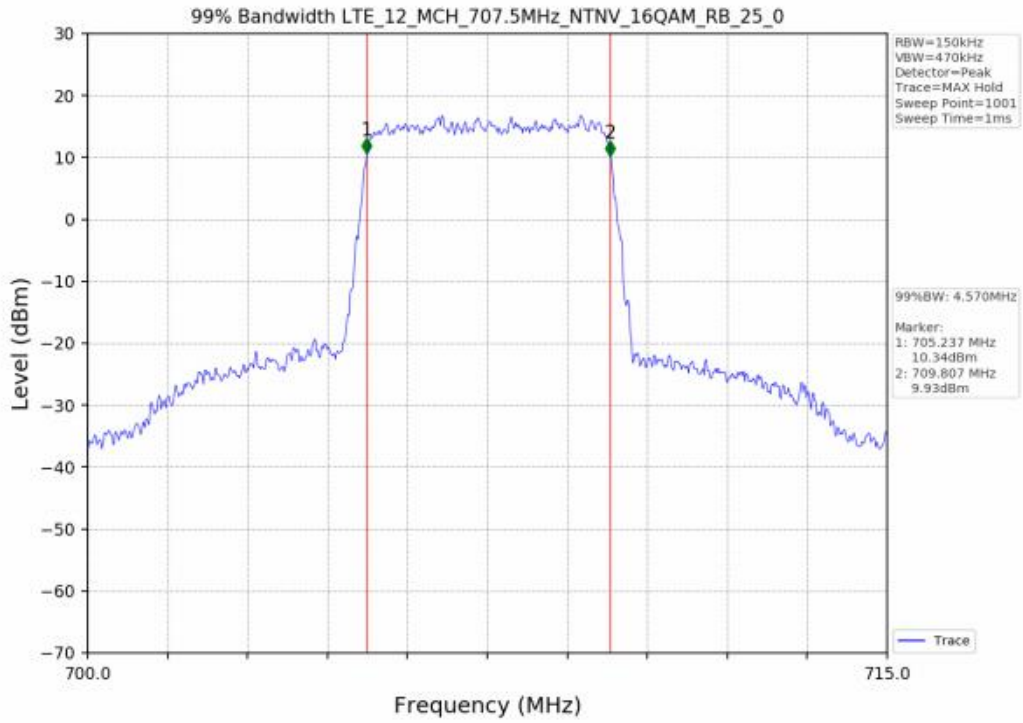


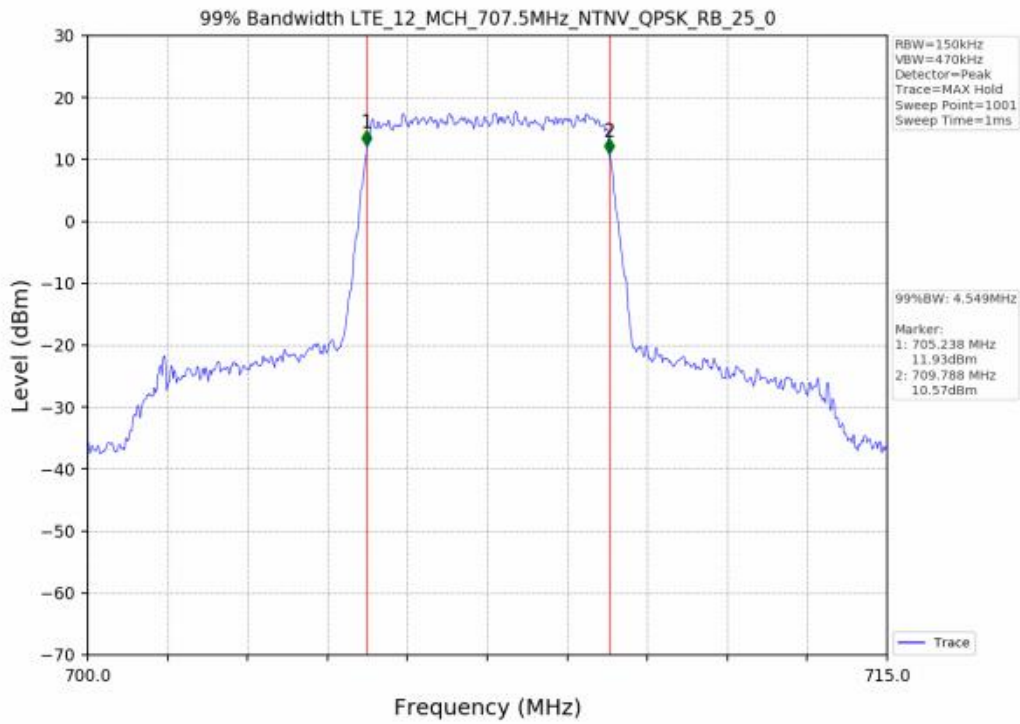
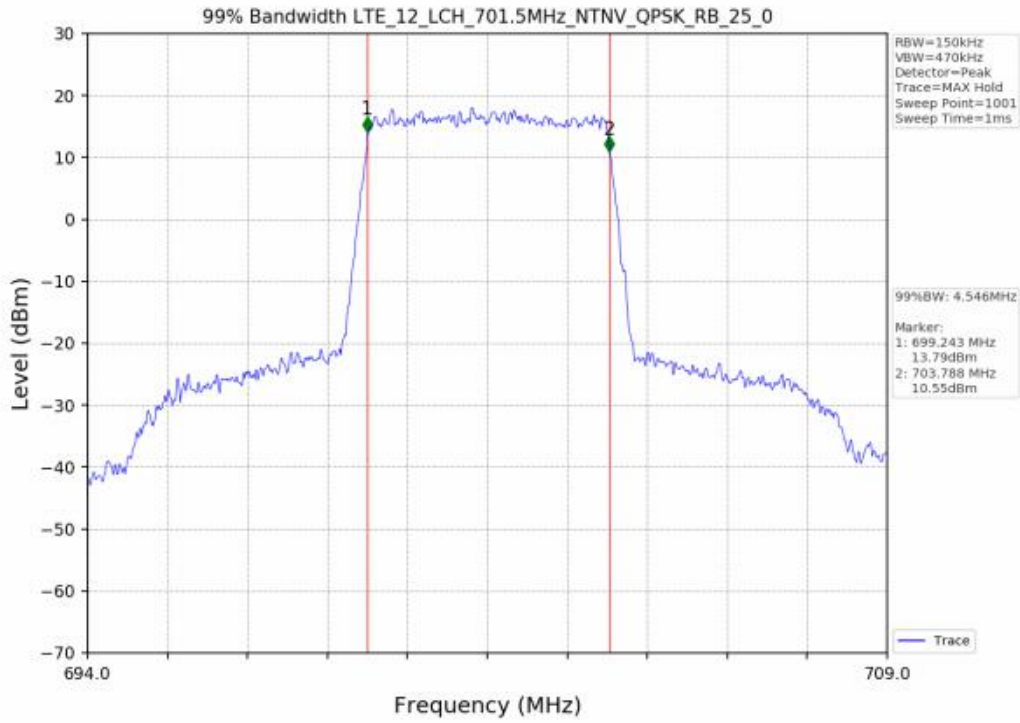




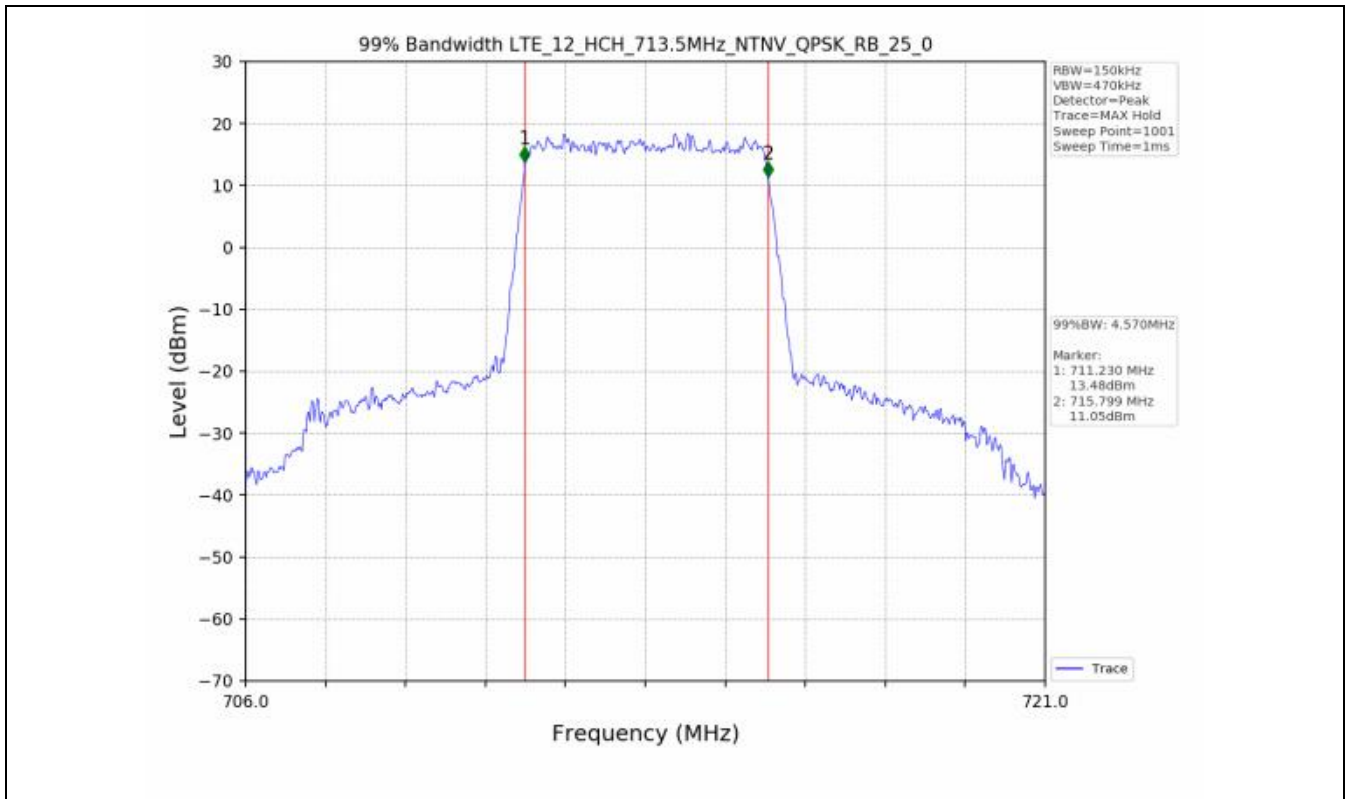


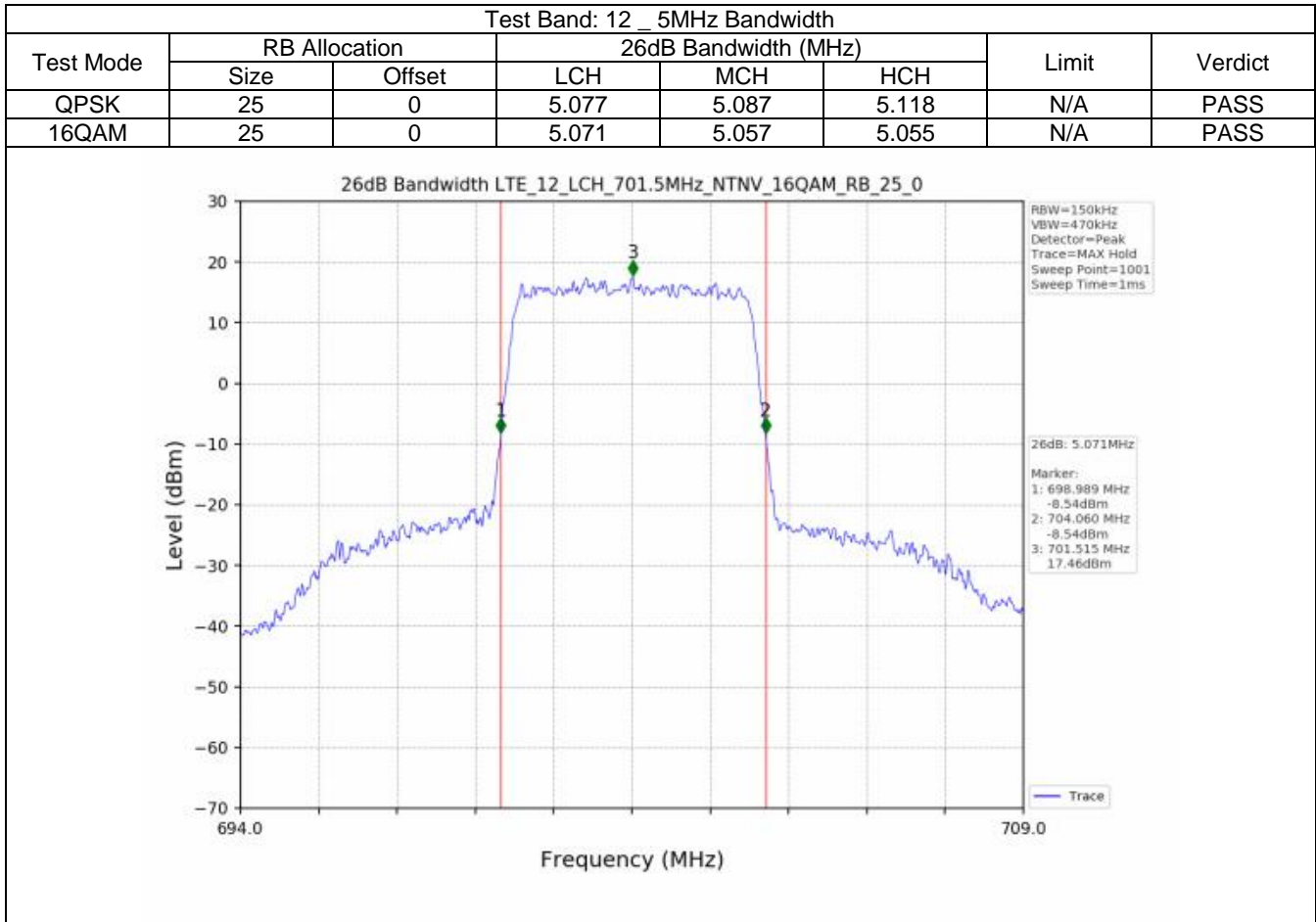


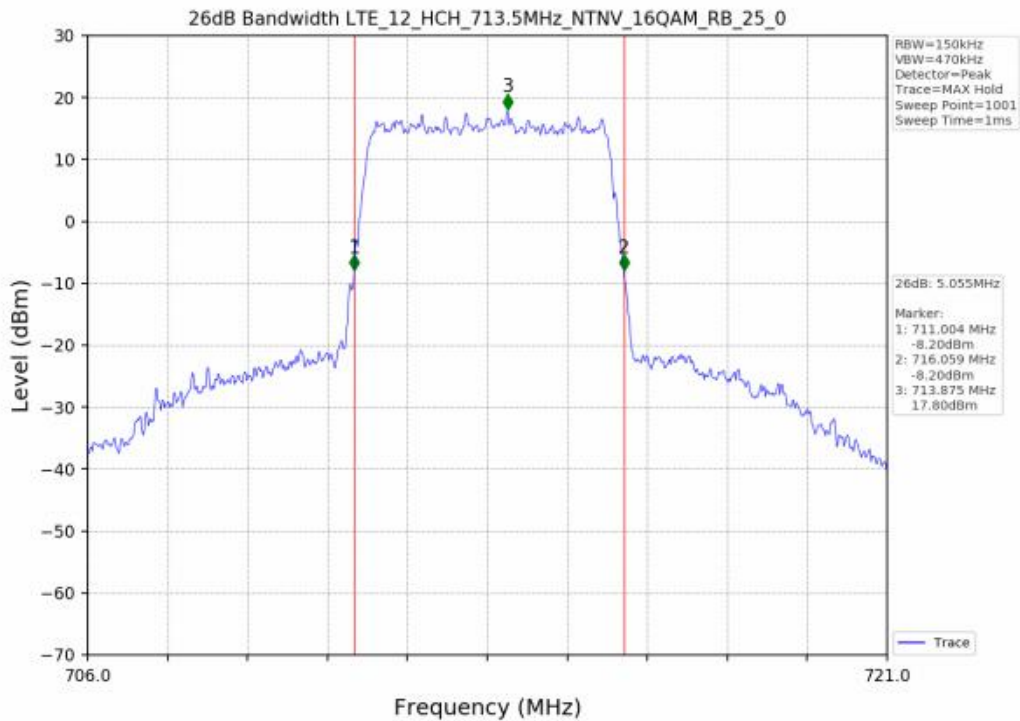
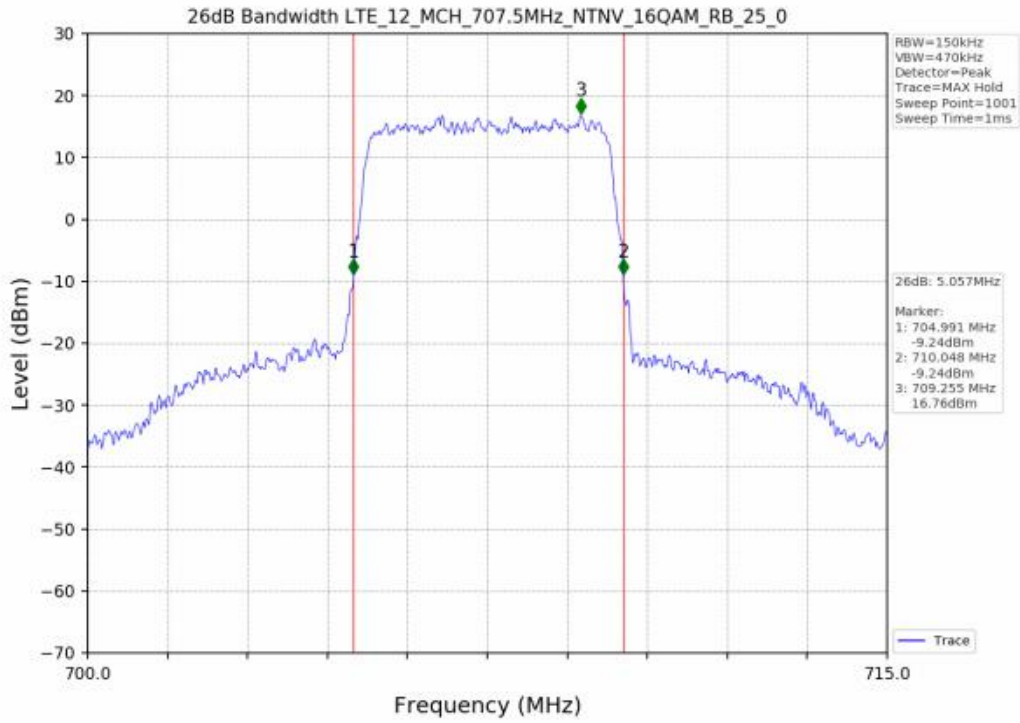


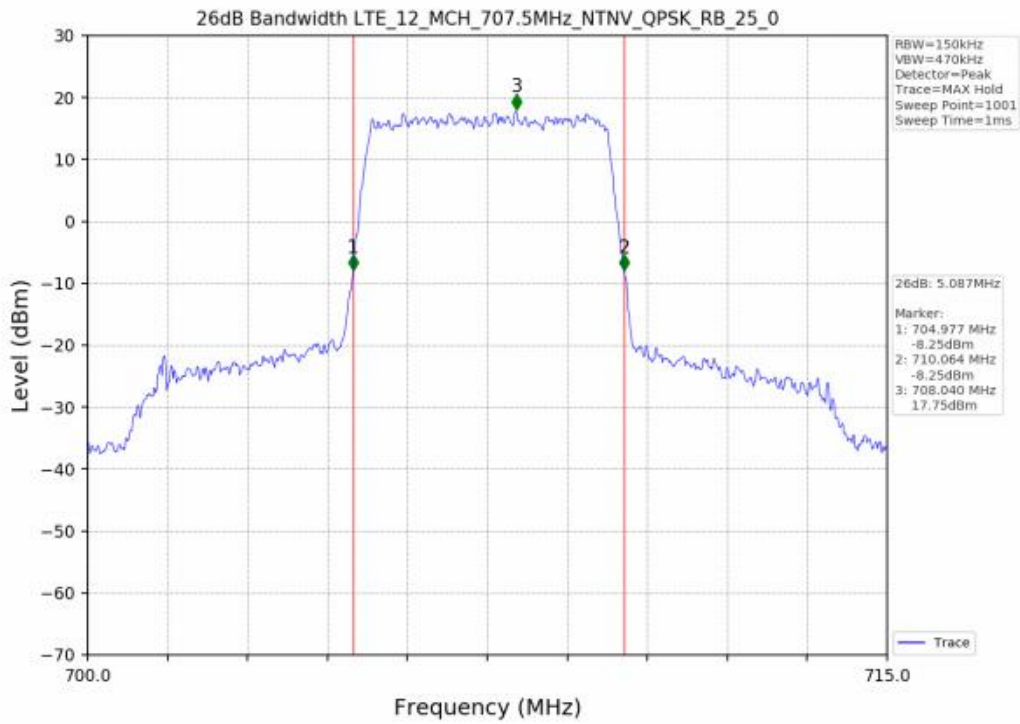
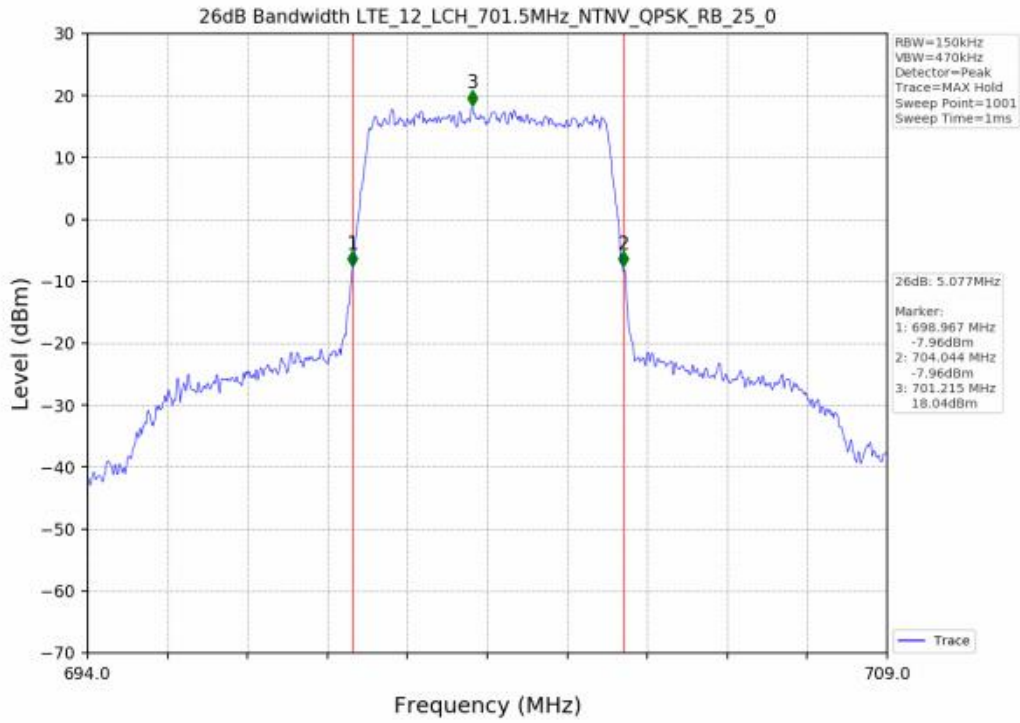


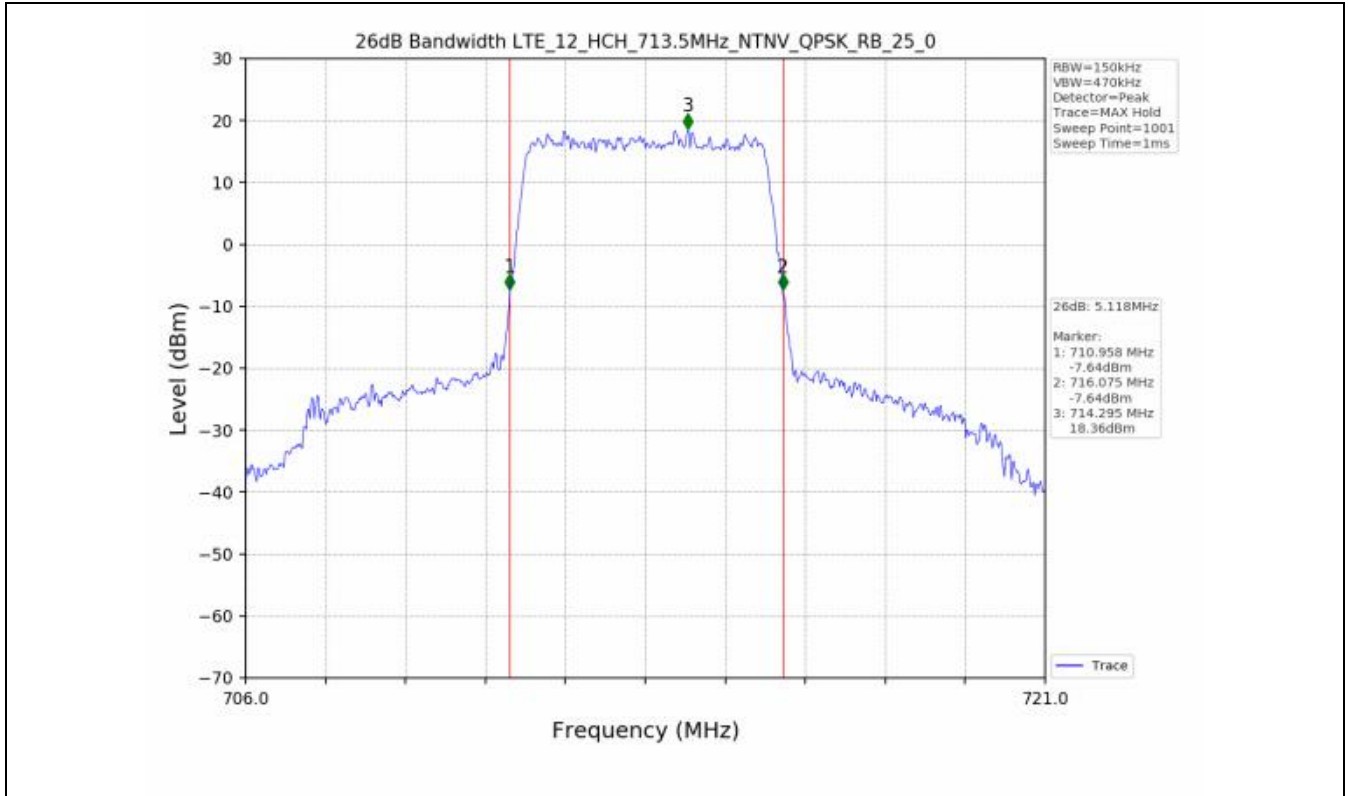


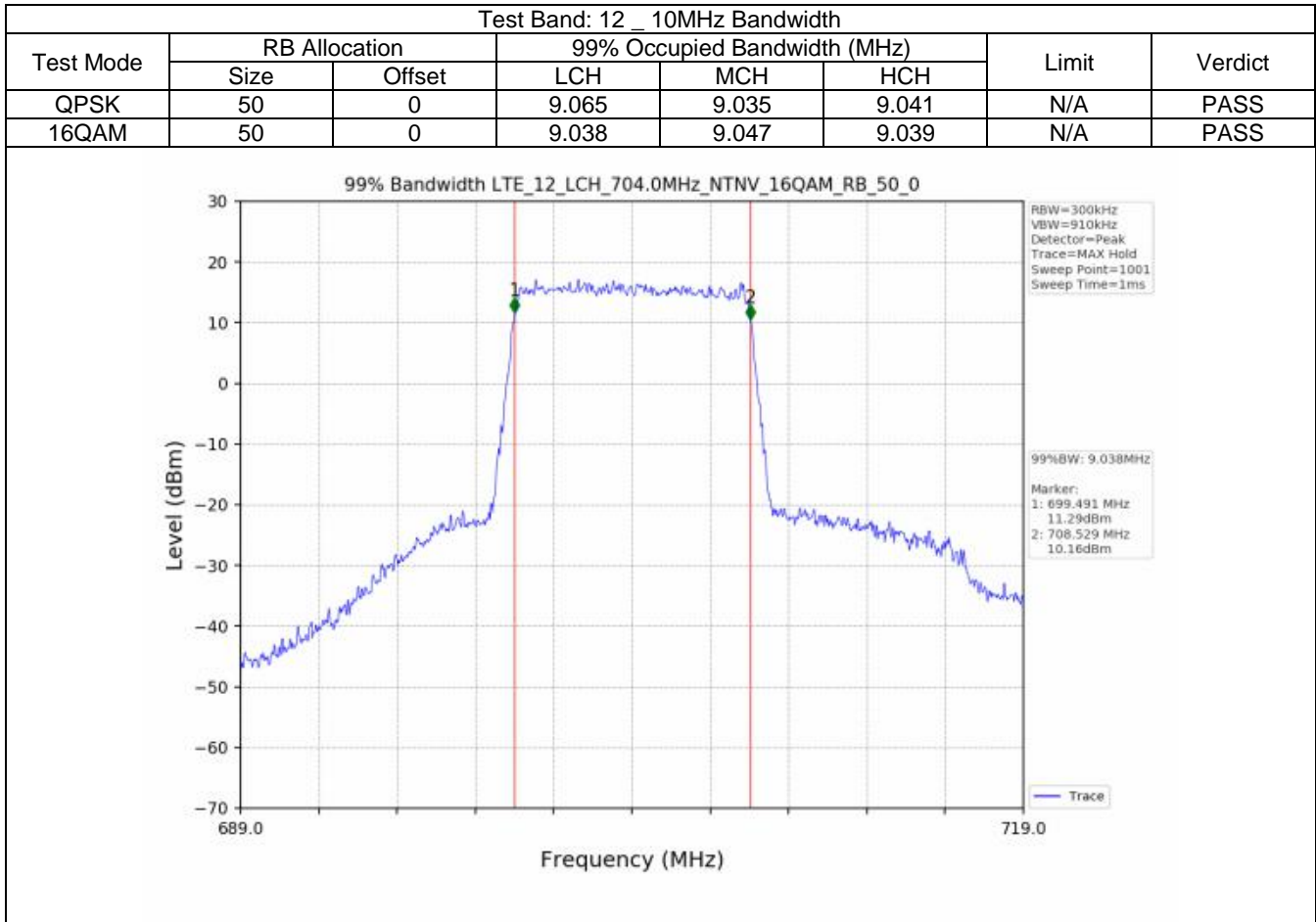


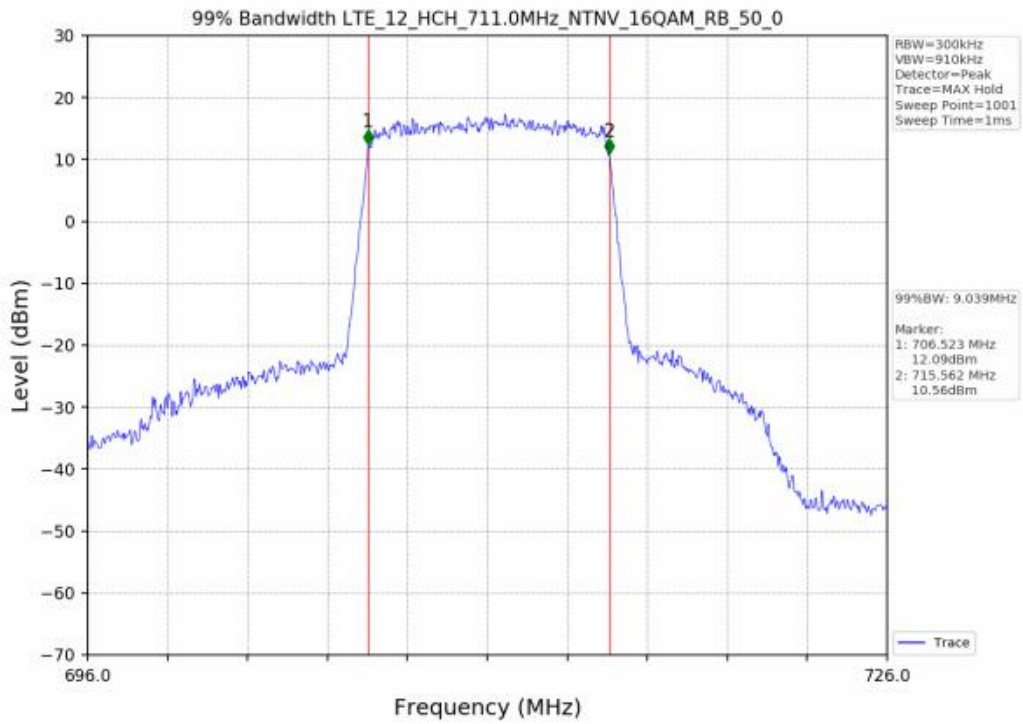
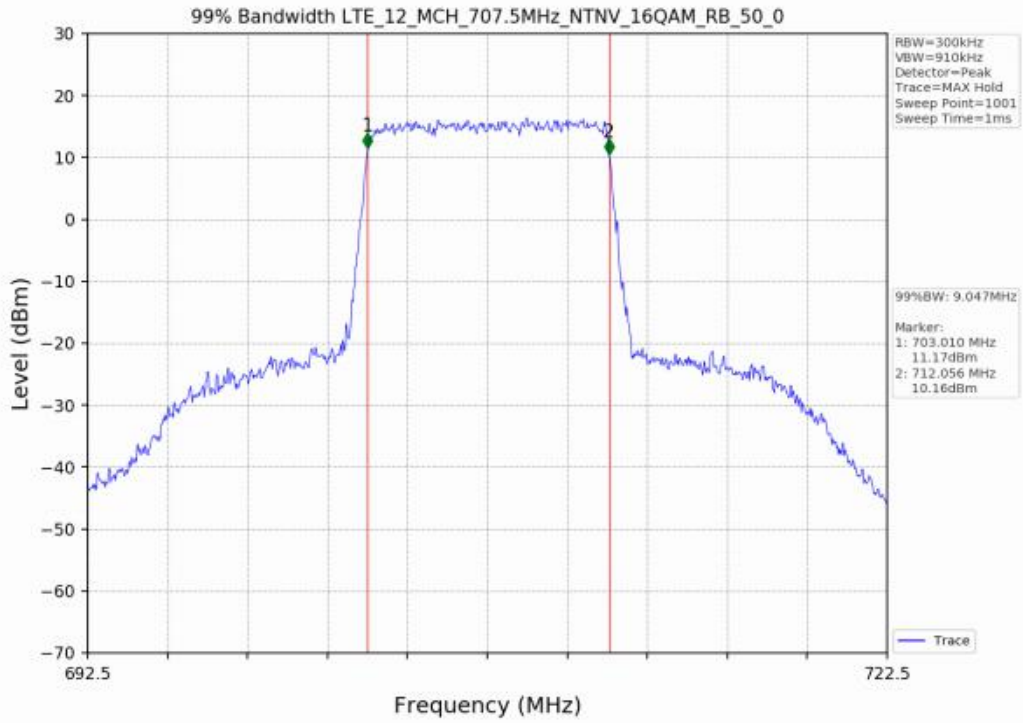


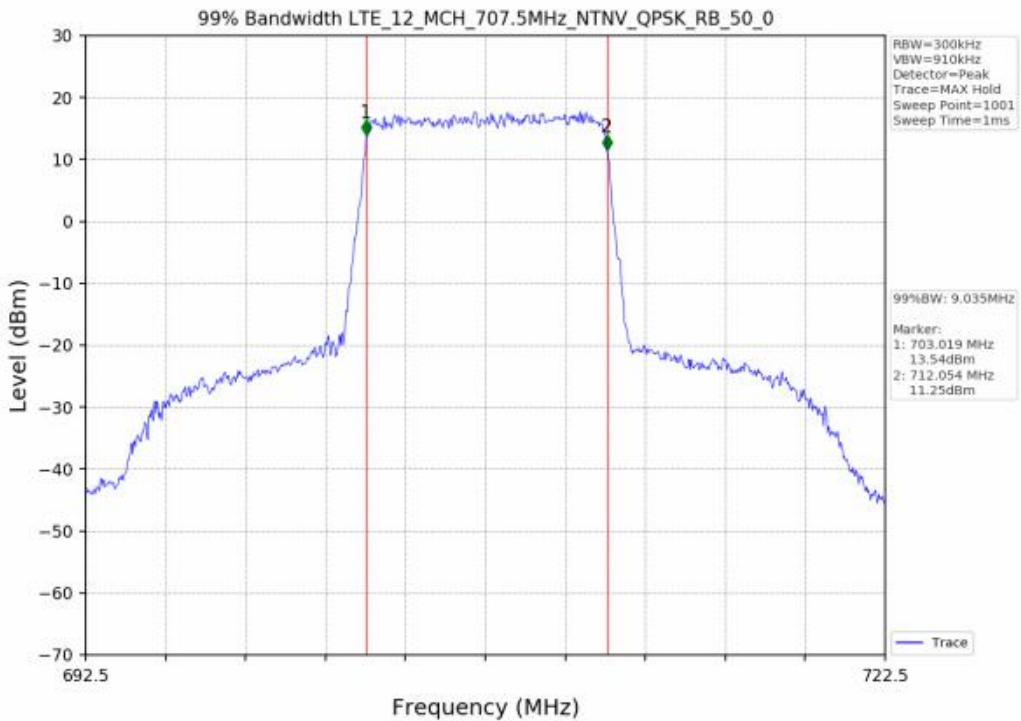
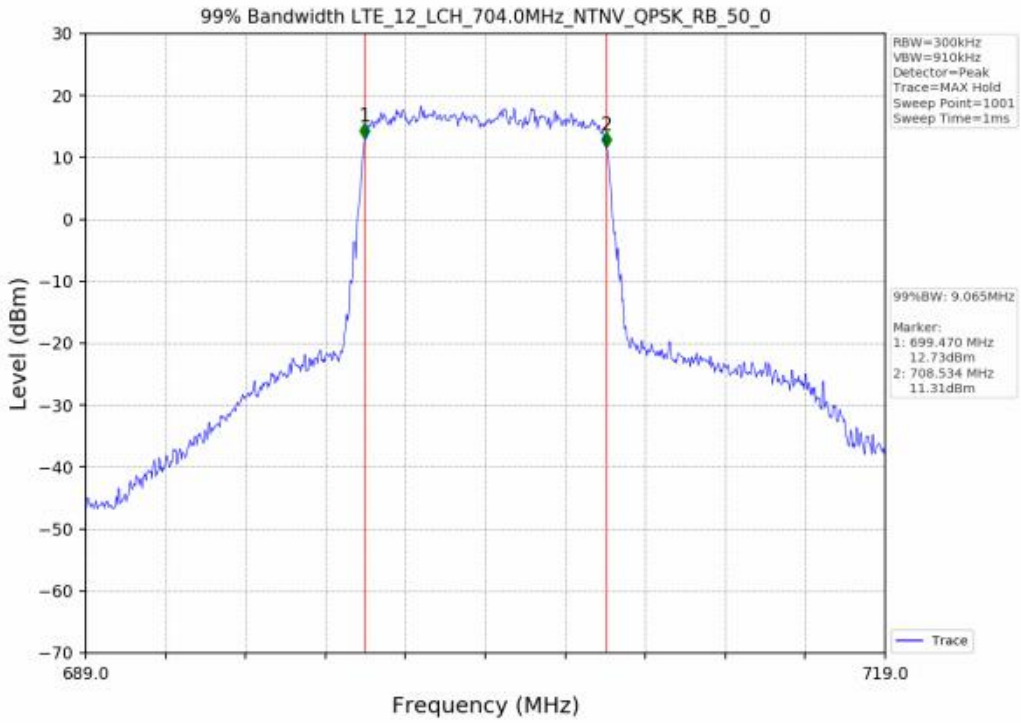




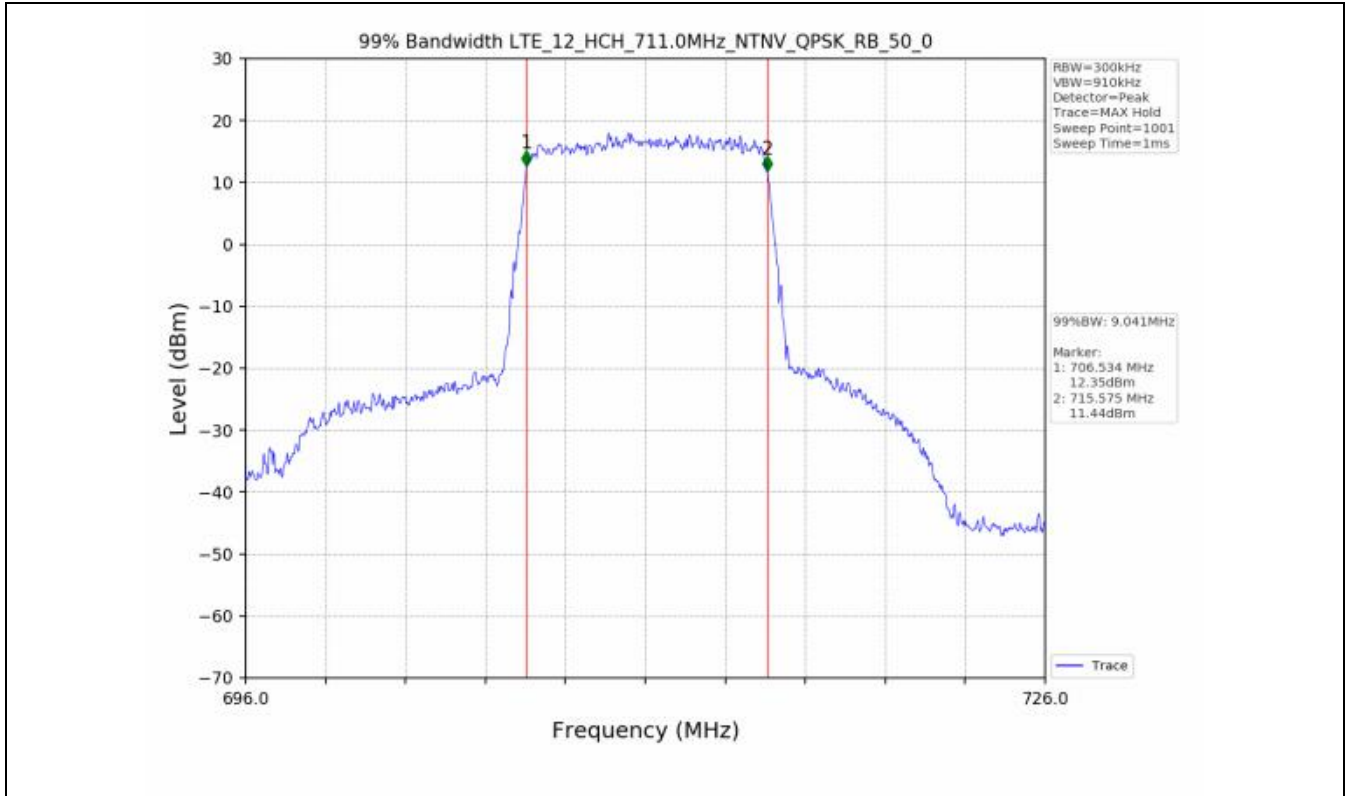


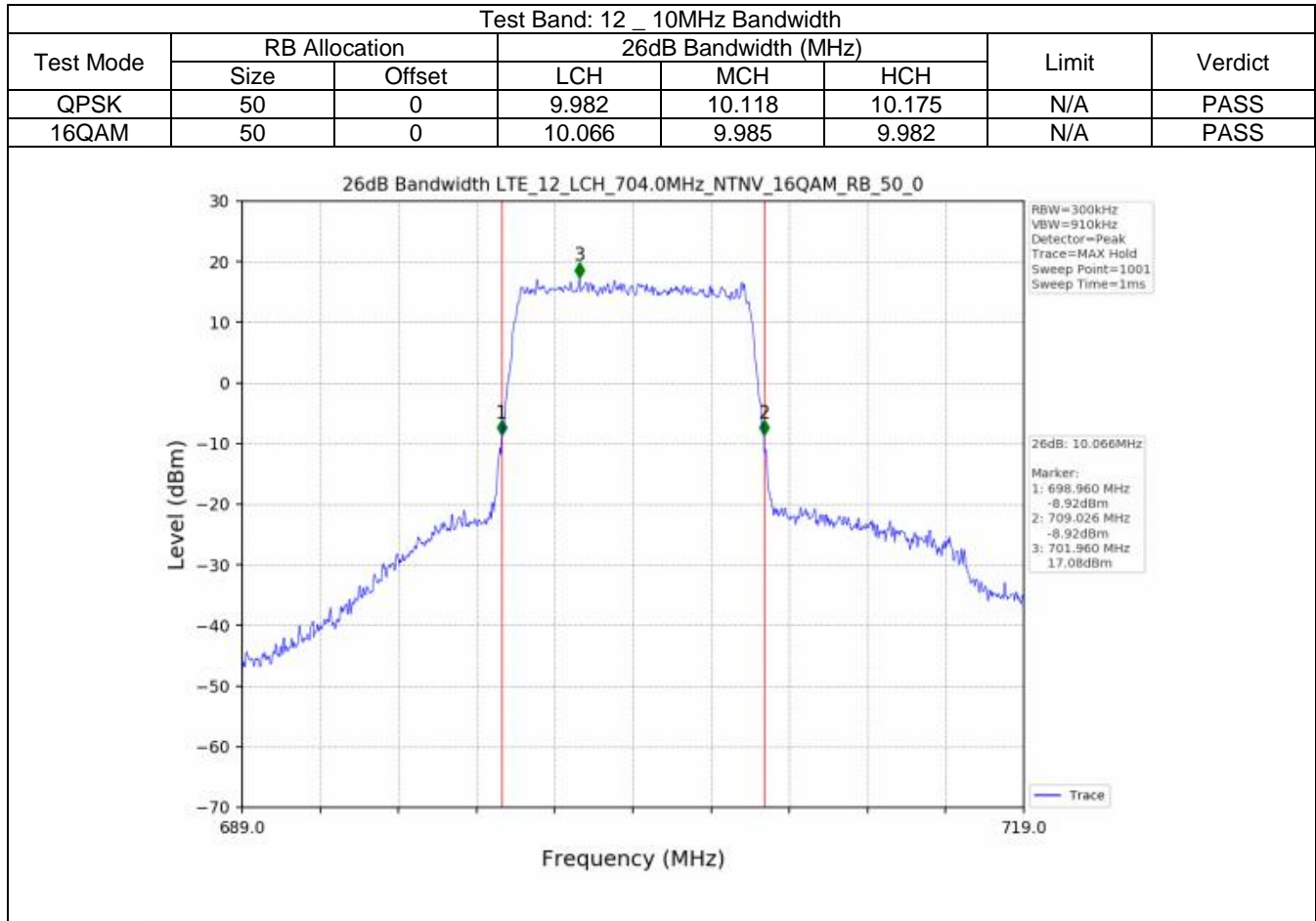


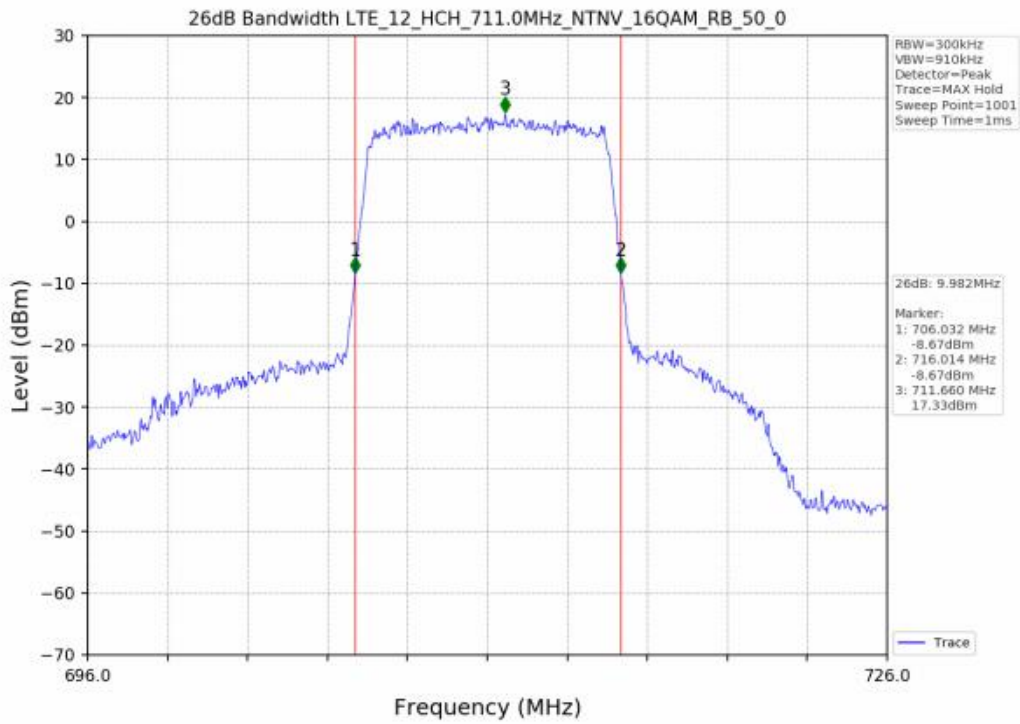
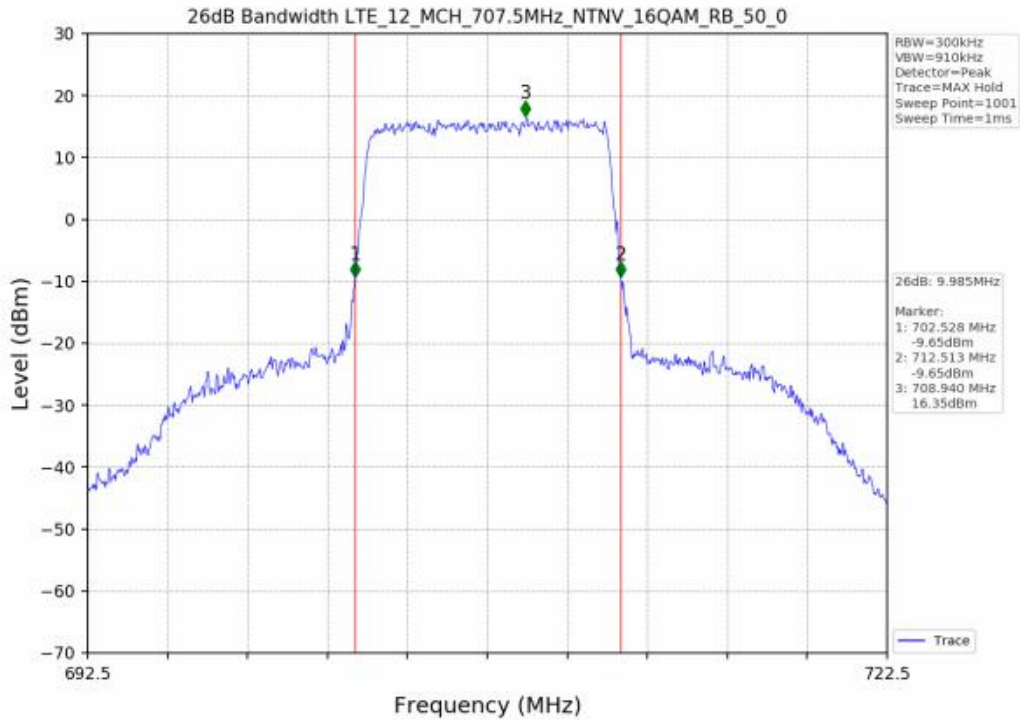


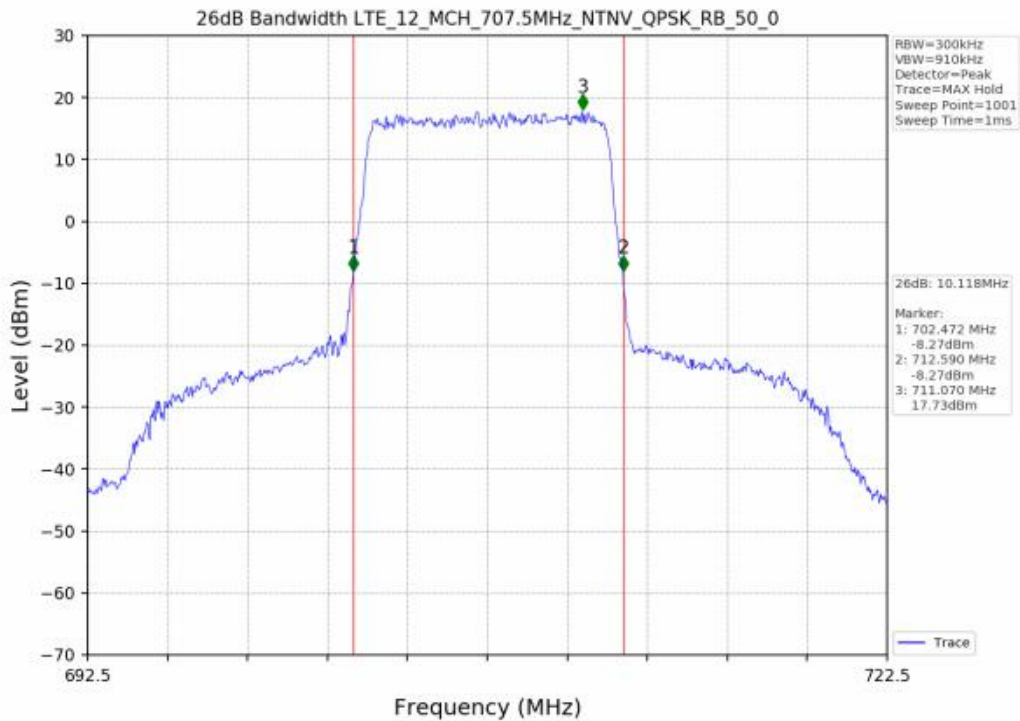
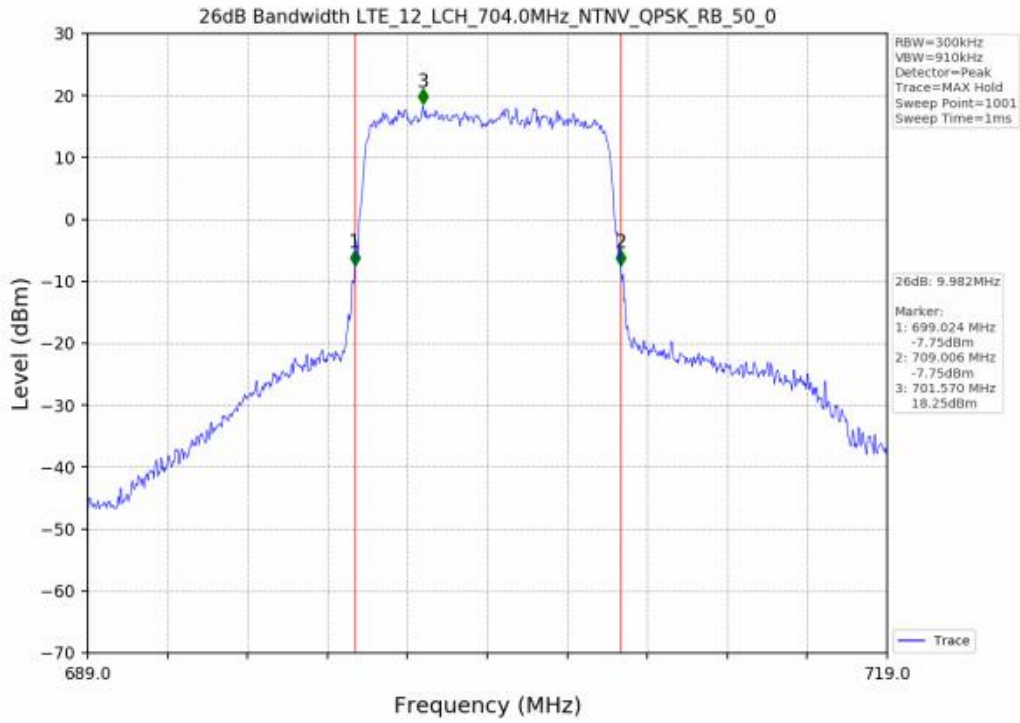


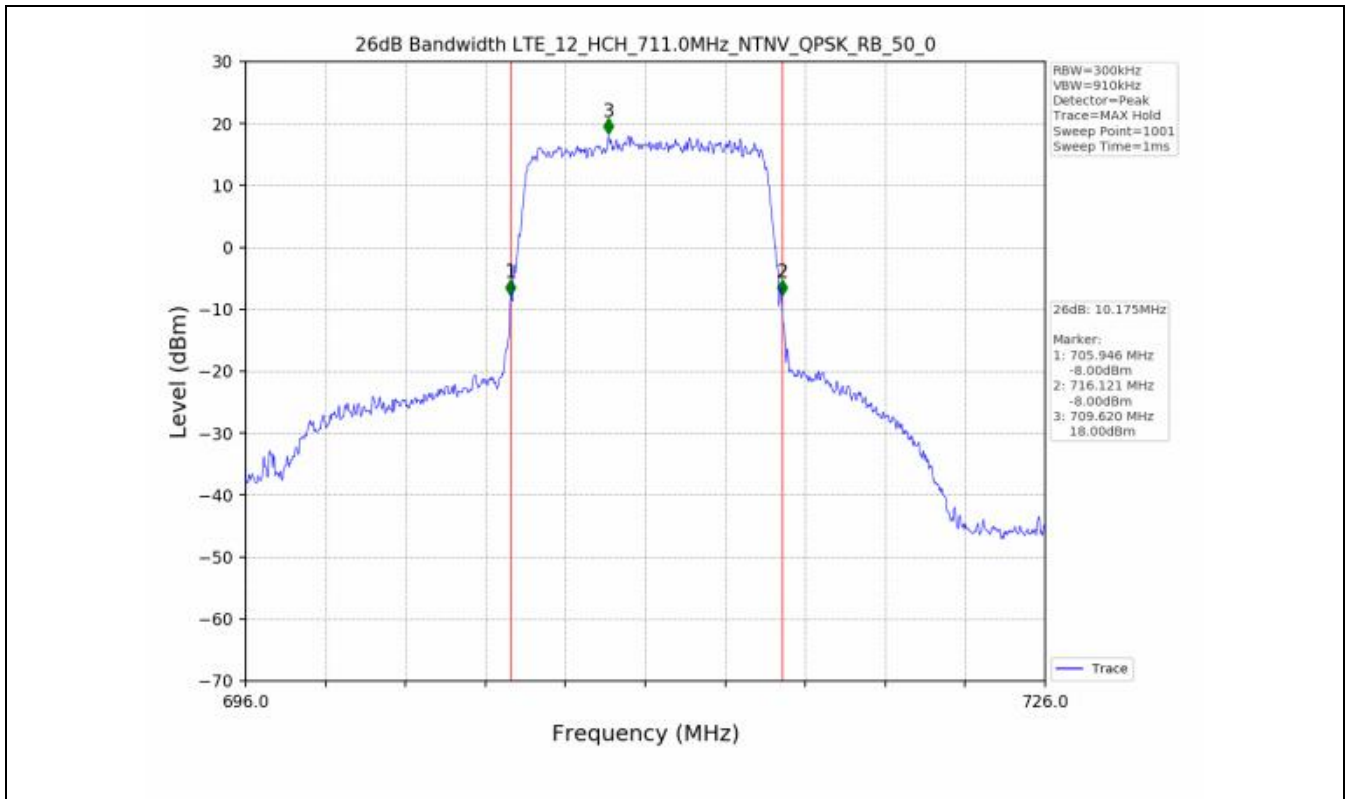










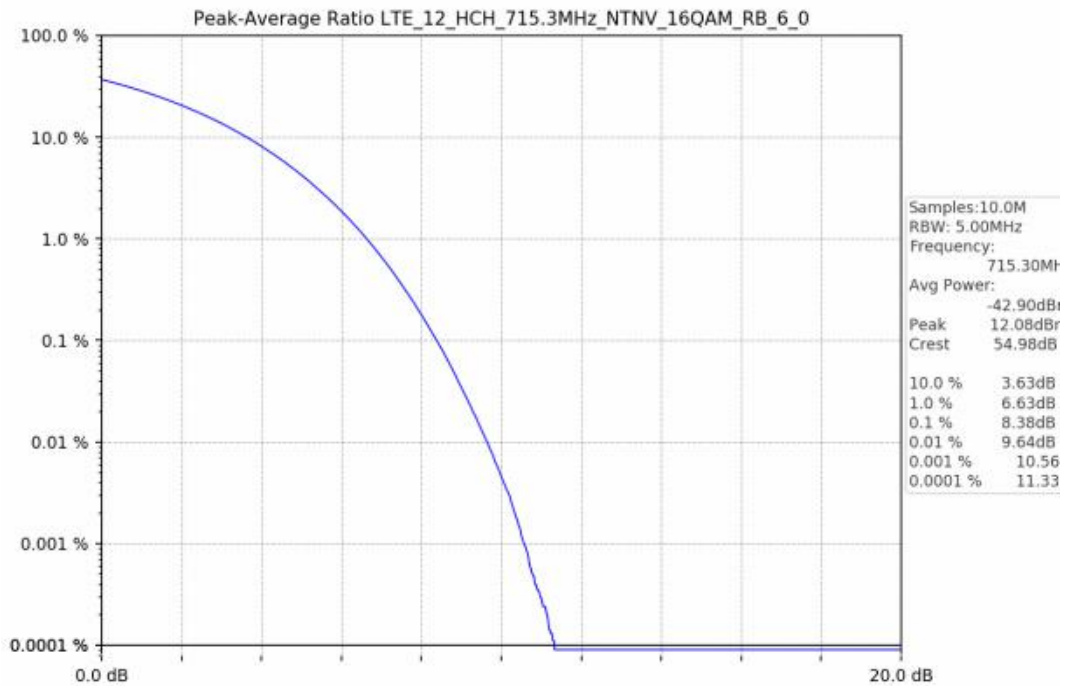
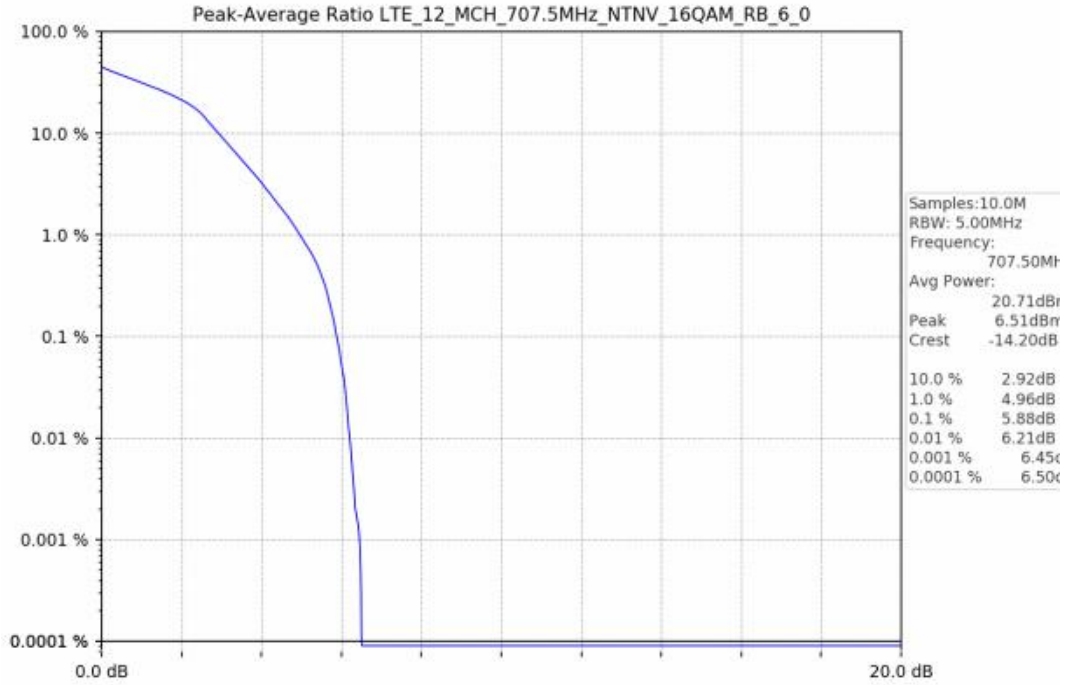


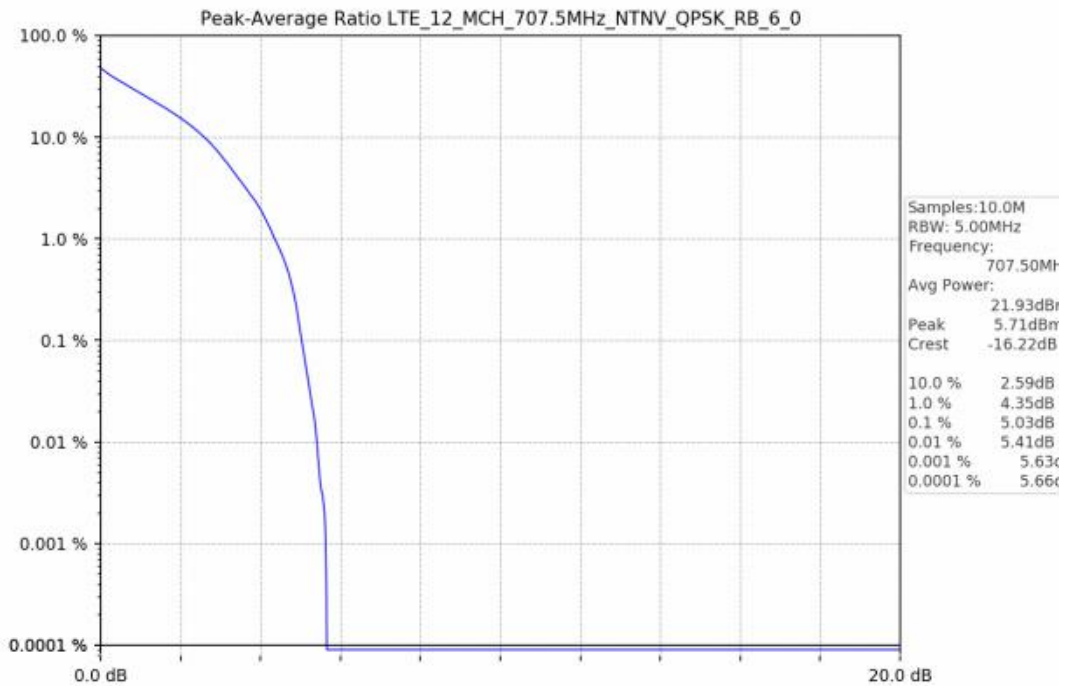
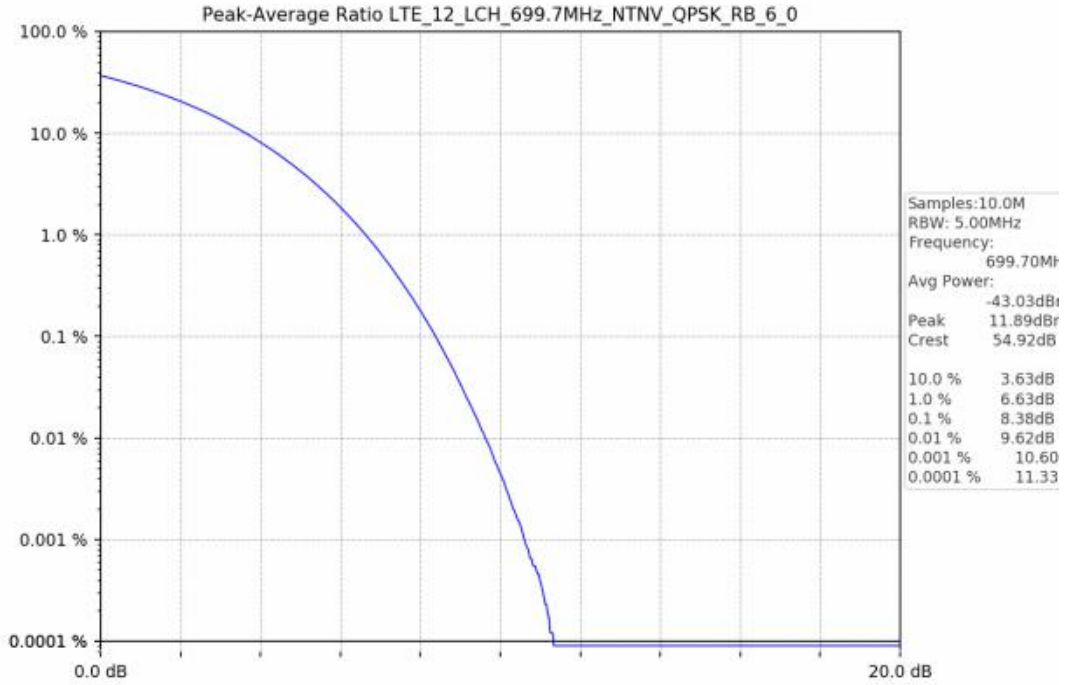
### G4. Peak-Average Ratio

#### G4.1 Test Result

| Test Band: 12 _ 1.4MHz Bandwidth |               |        |                  |      |      |            |         |
|----------------------------------|---------------|--------|------------------|------|------|------------|---------|
| Test Mode                        | RB Allocation |        | Test result (dB) |      |      | Limit (dB) | Verdict |
|                                  | Size          | Offset | LCH              | MCH  | HCH  |            |         |
| QPSK                             | 6             | 0      | 8.38             | 5.03 | 4.79 | 13         | PASS    |
| 16QAM                            | 6             | 0      | 5.88             | 5.88 | 8.38 | 13         | PASS    |

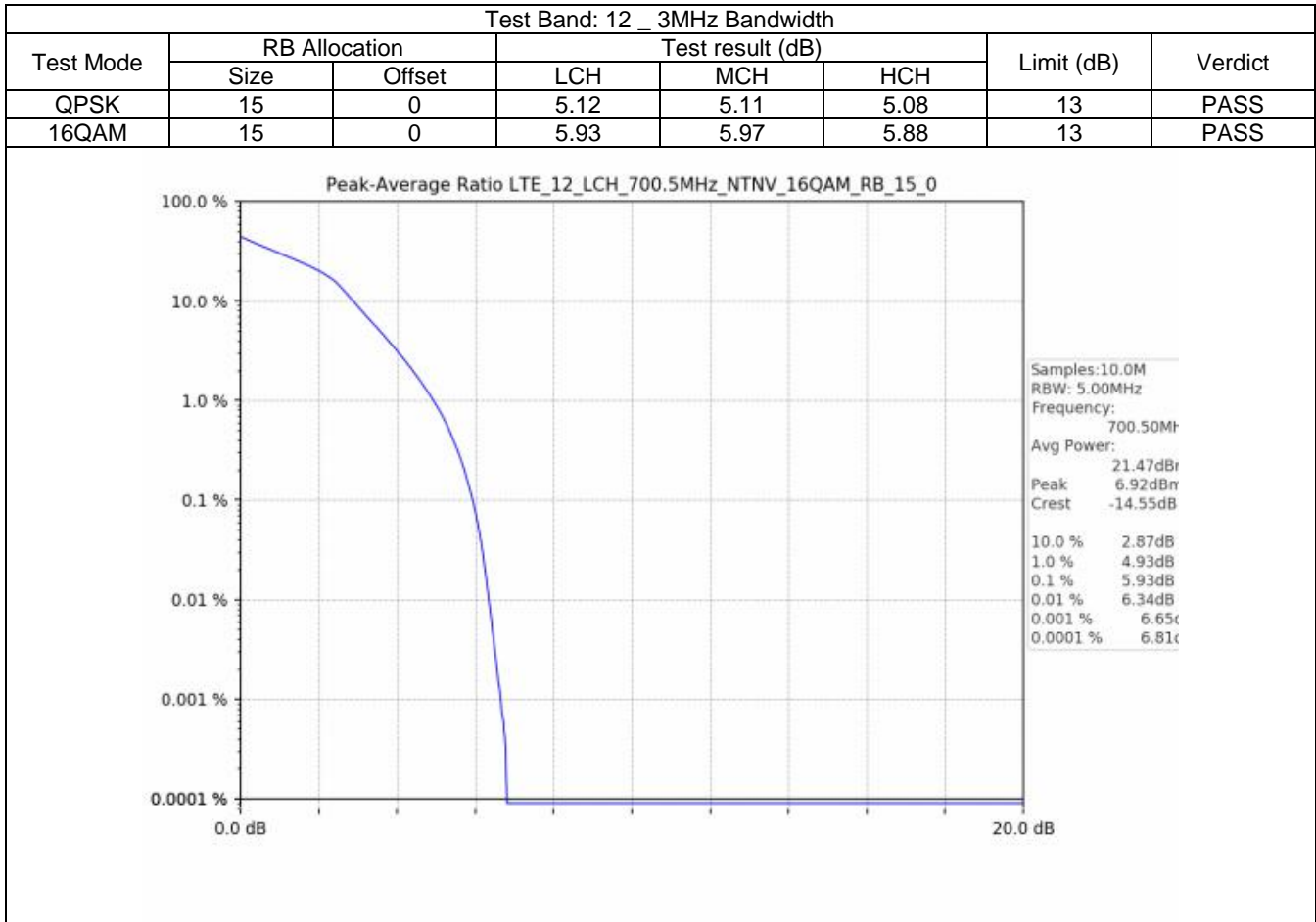


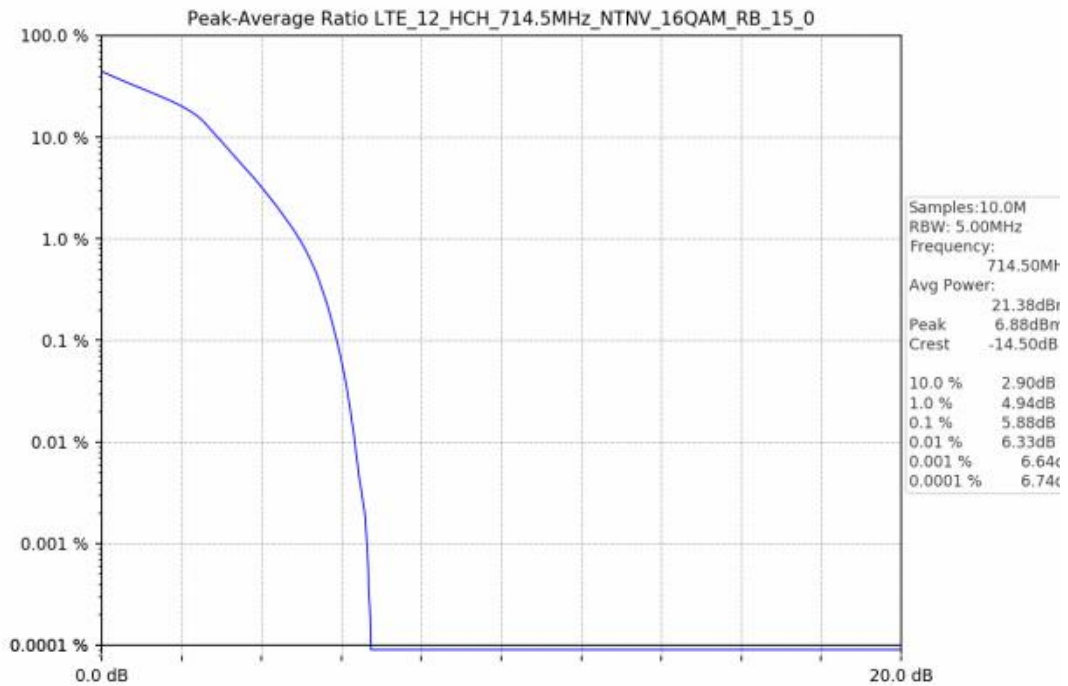
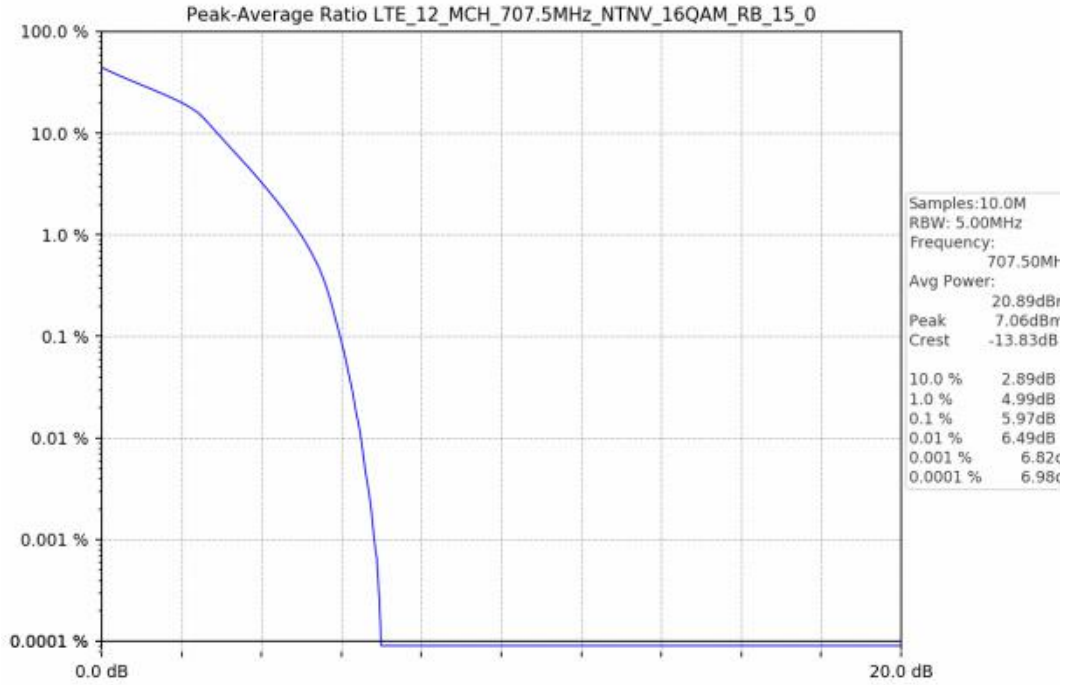


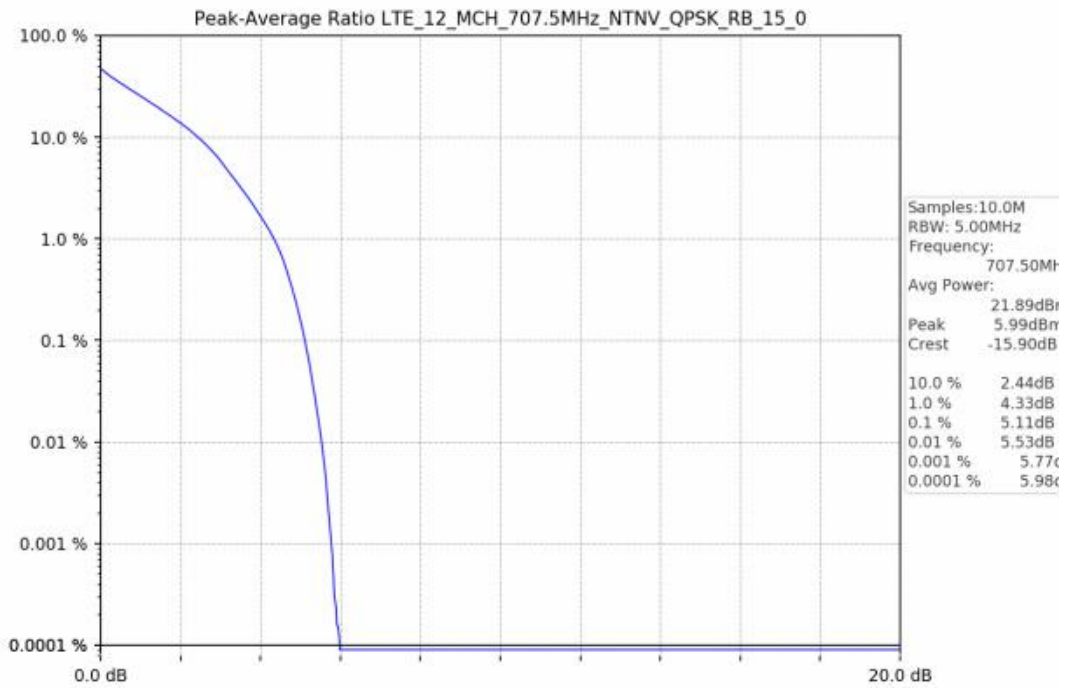
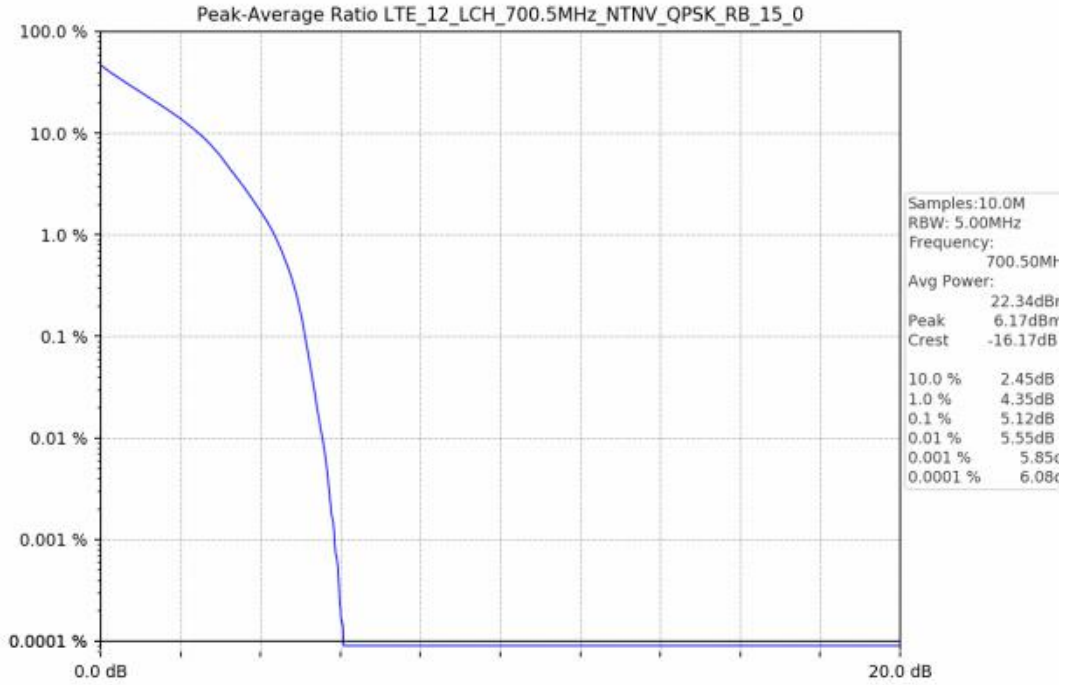


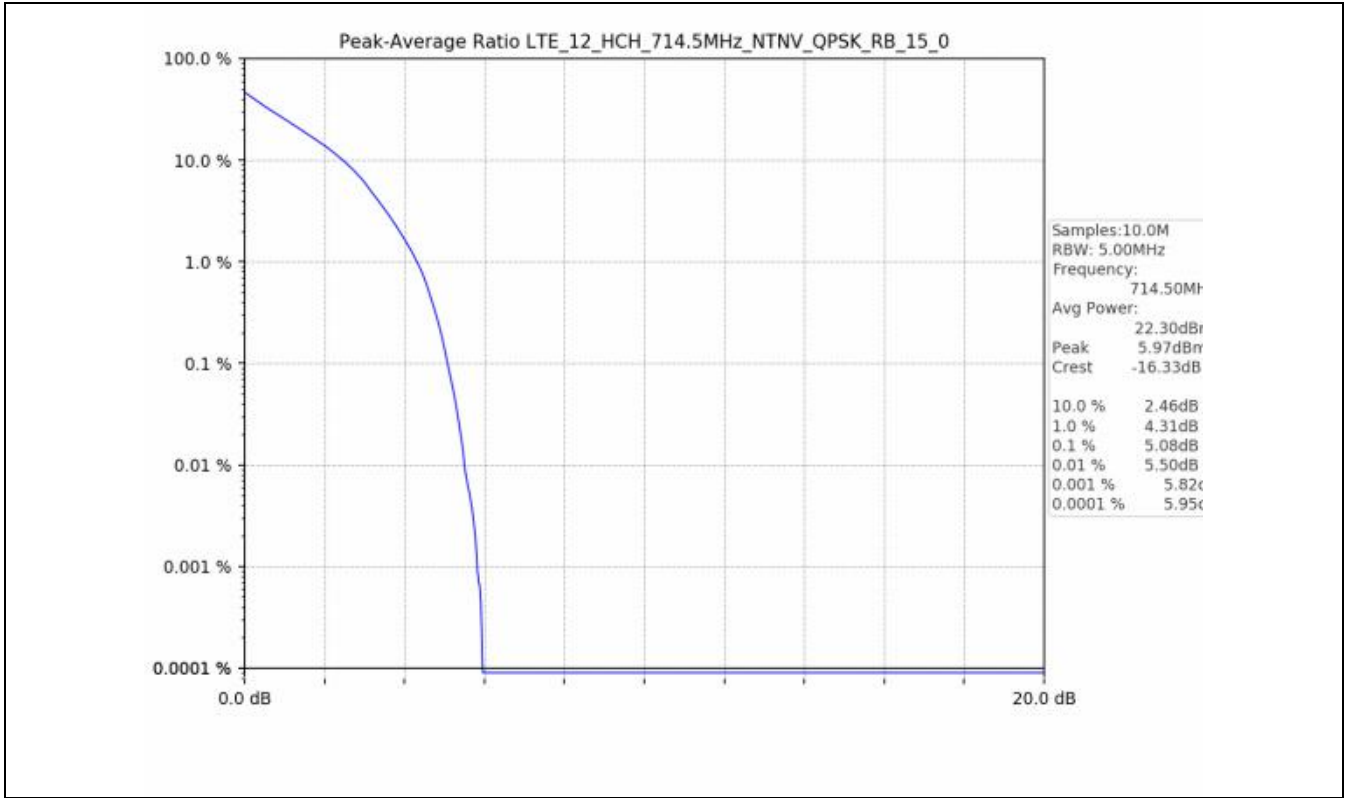


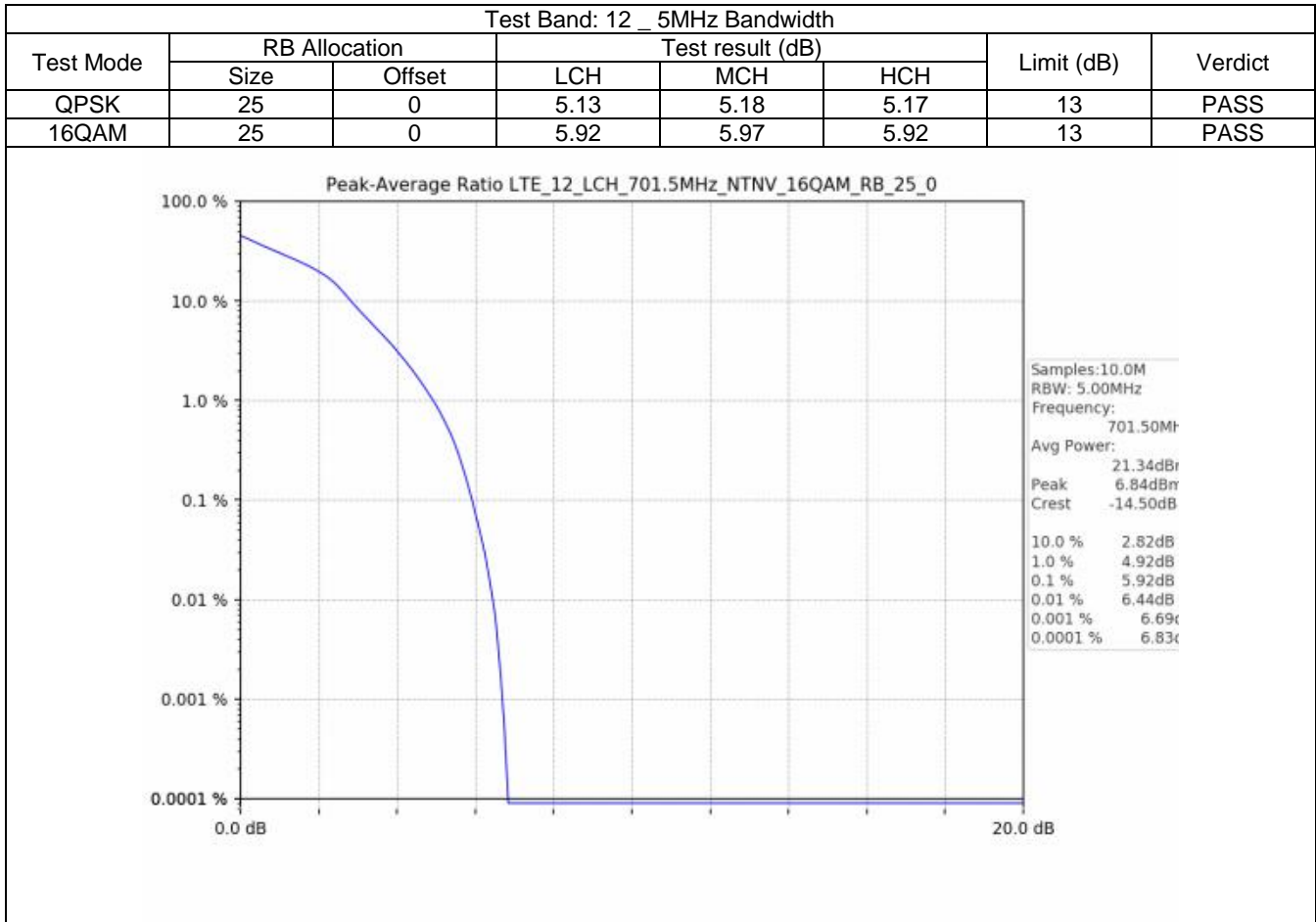


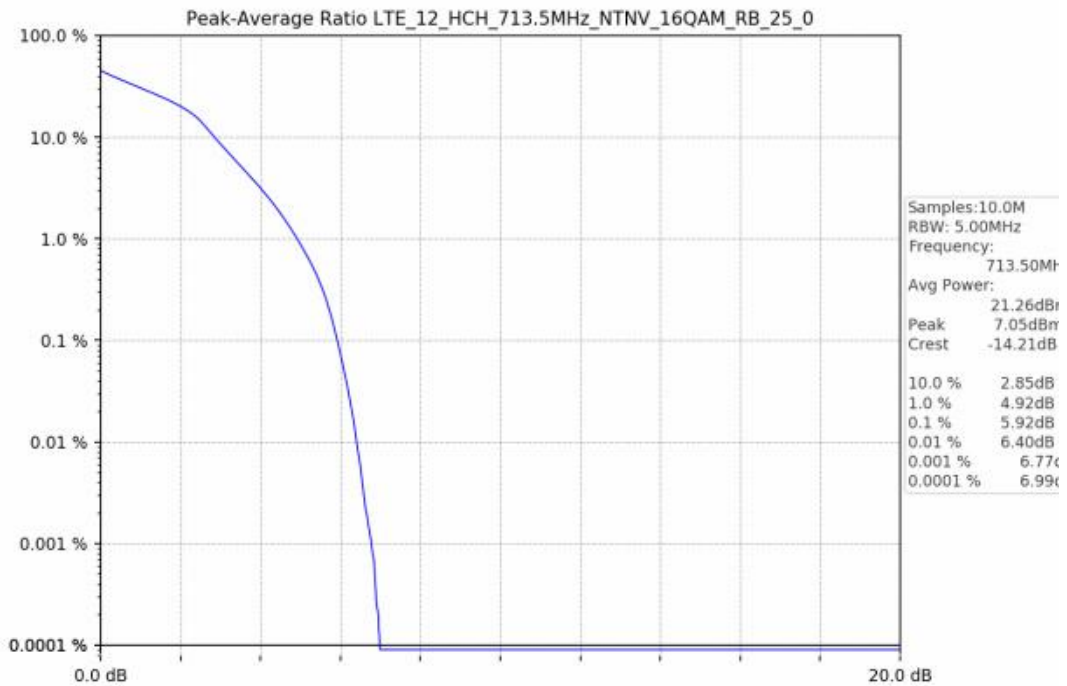
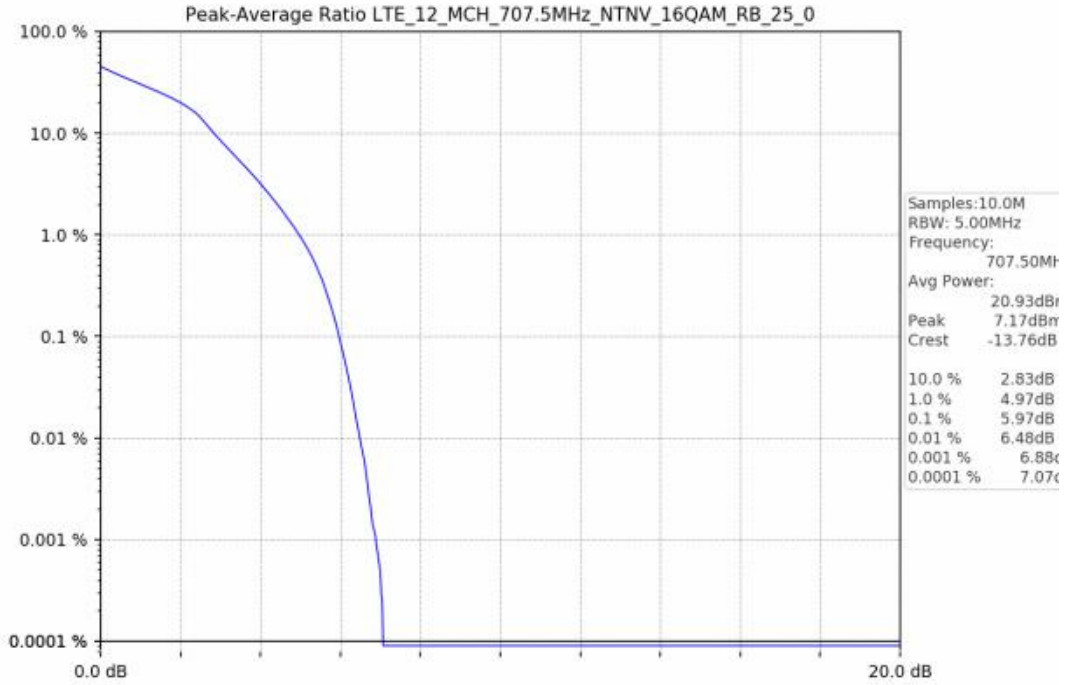


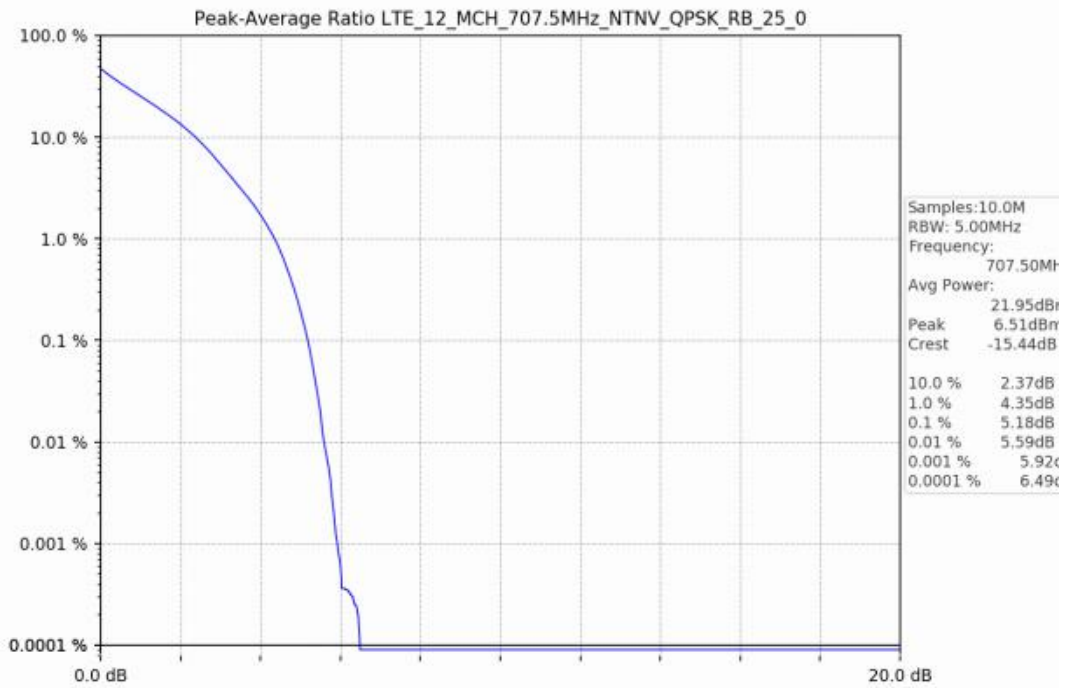
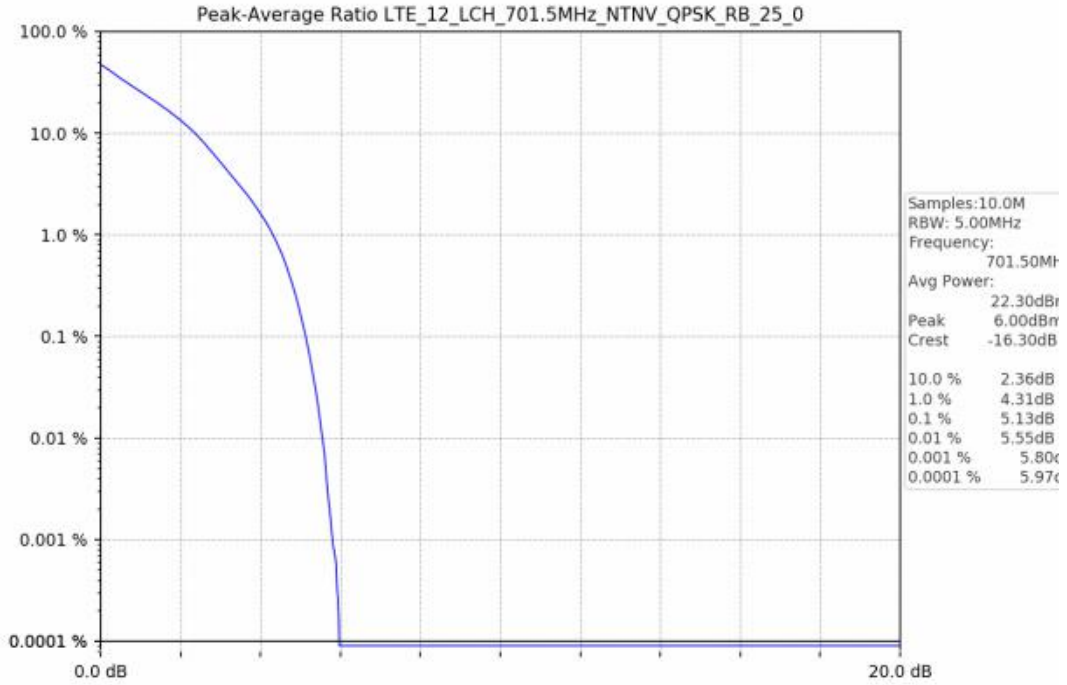




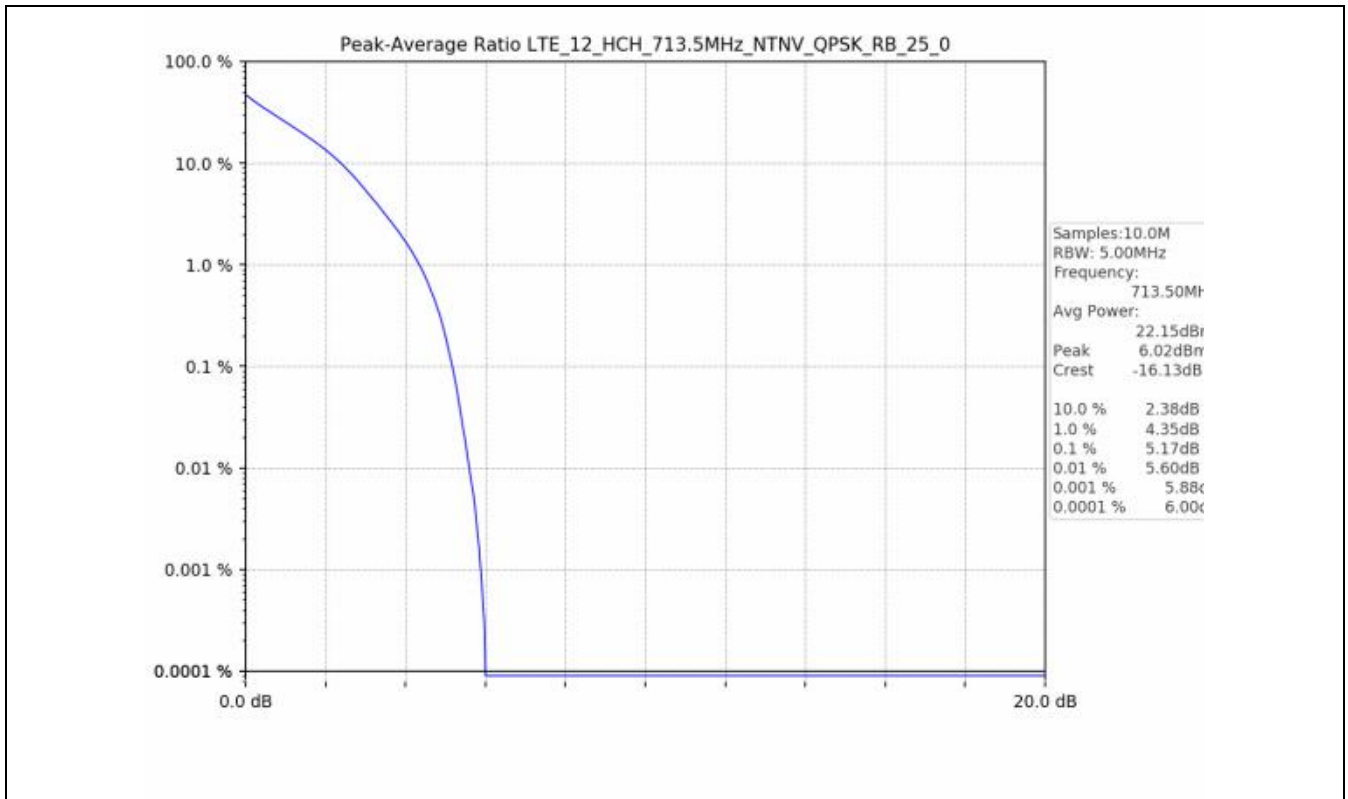




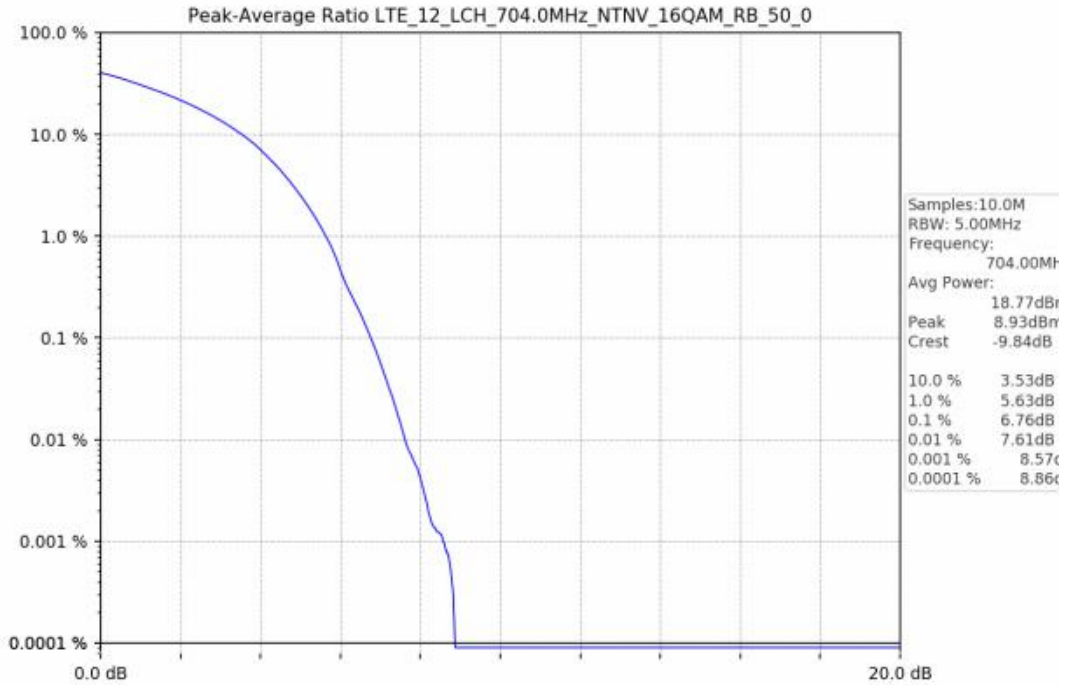


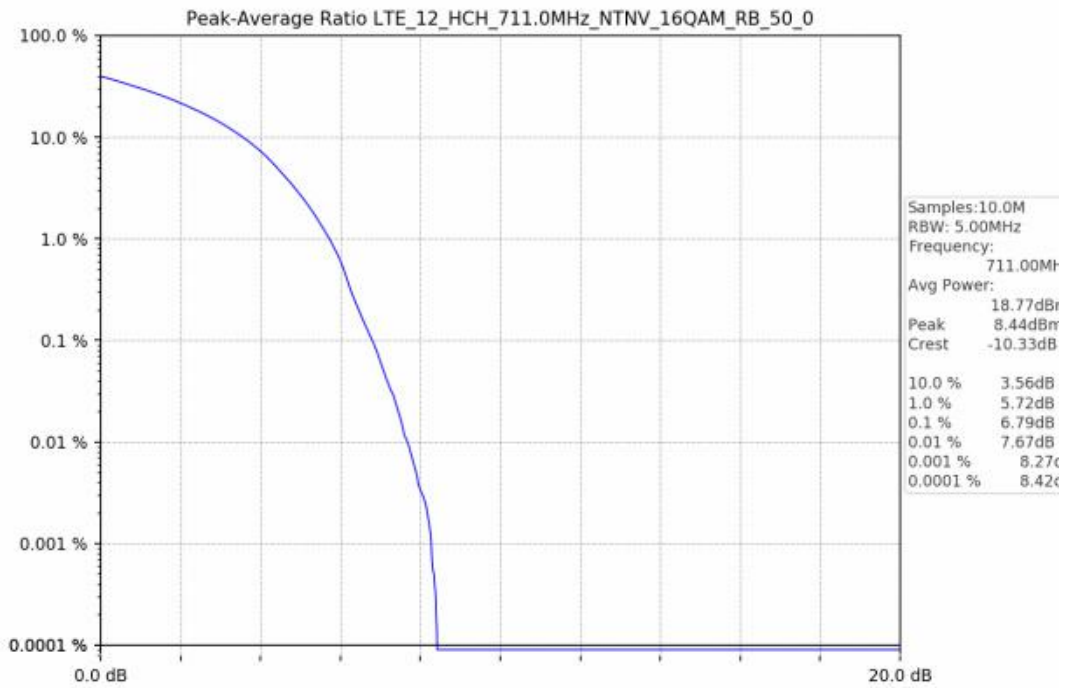
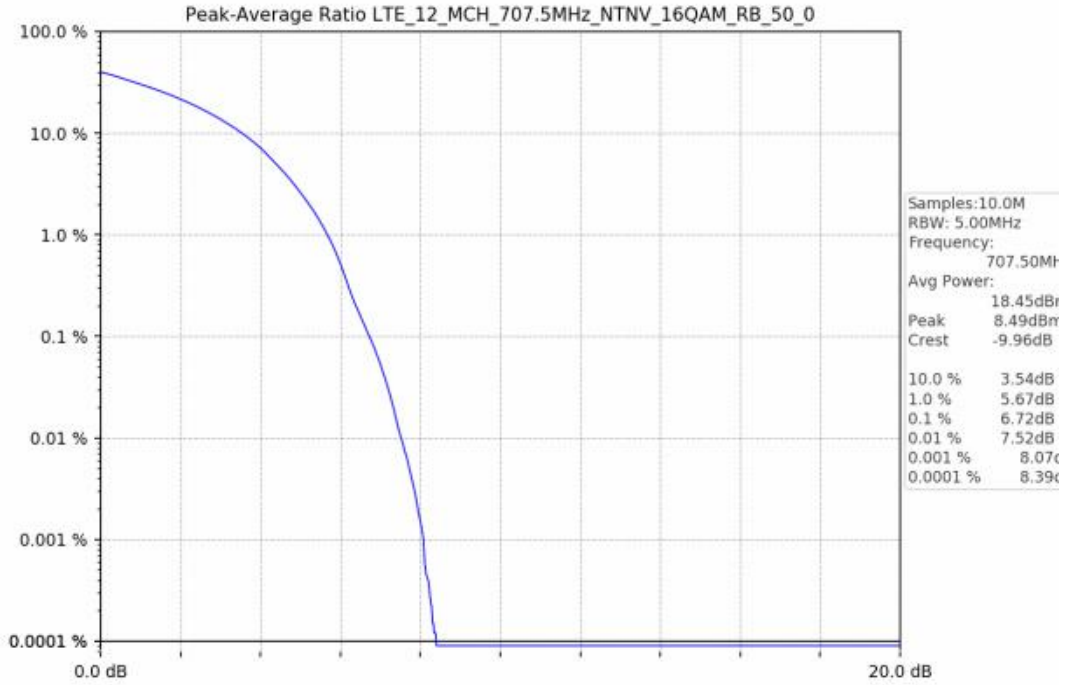


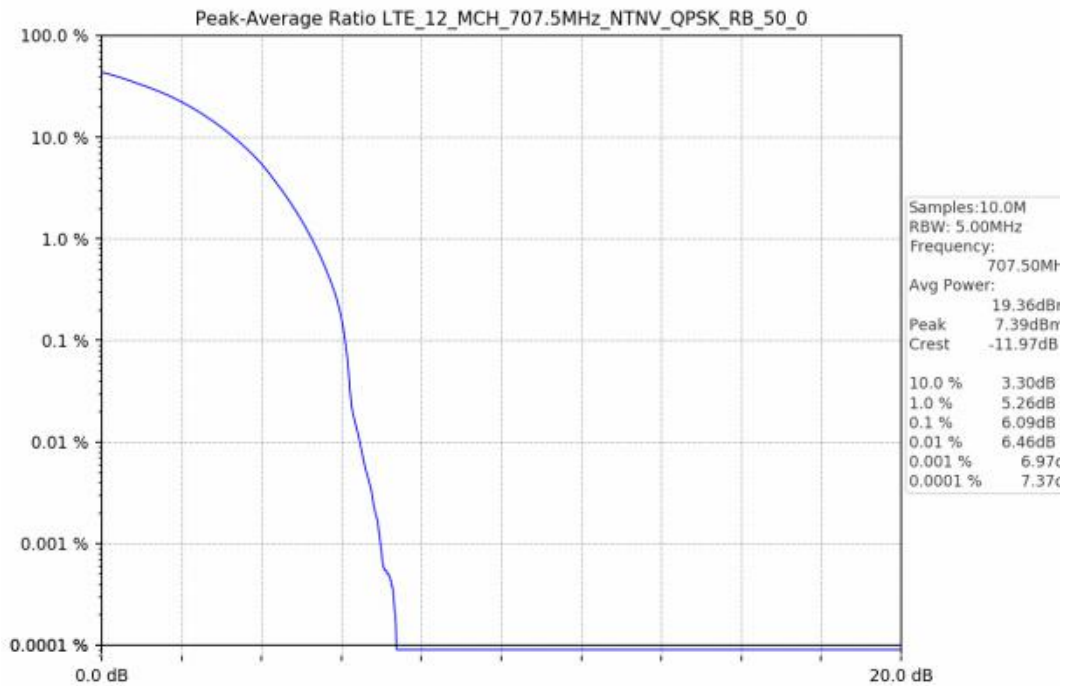
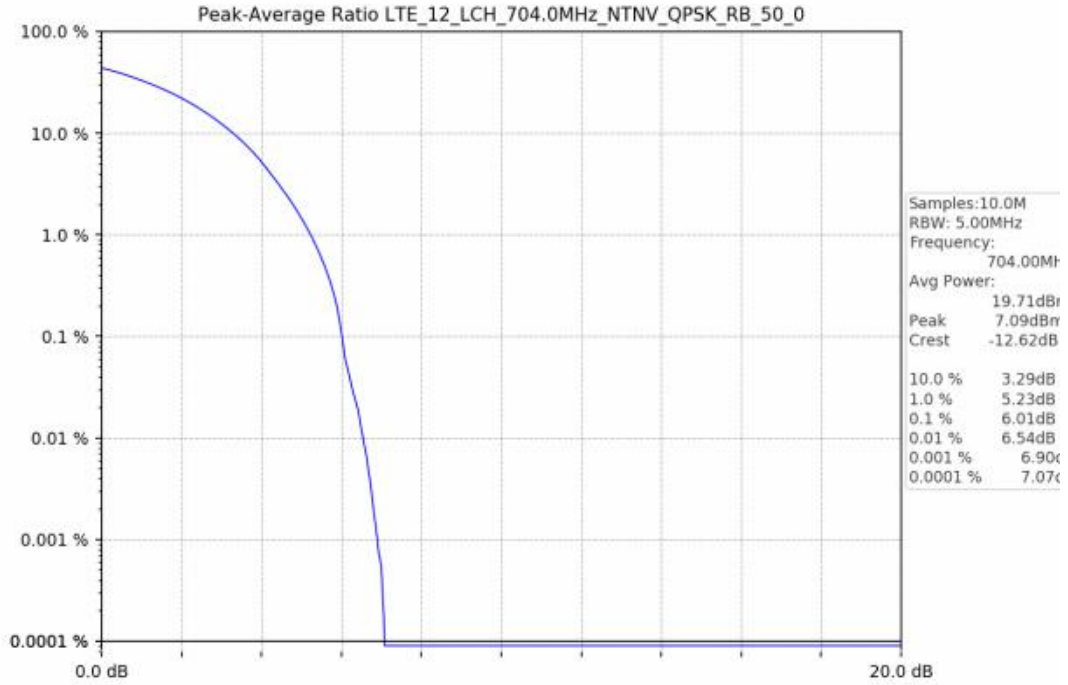


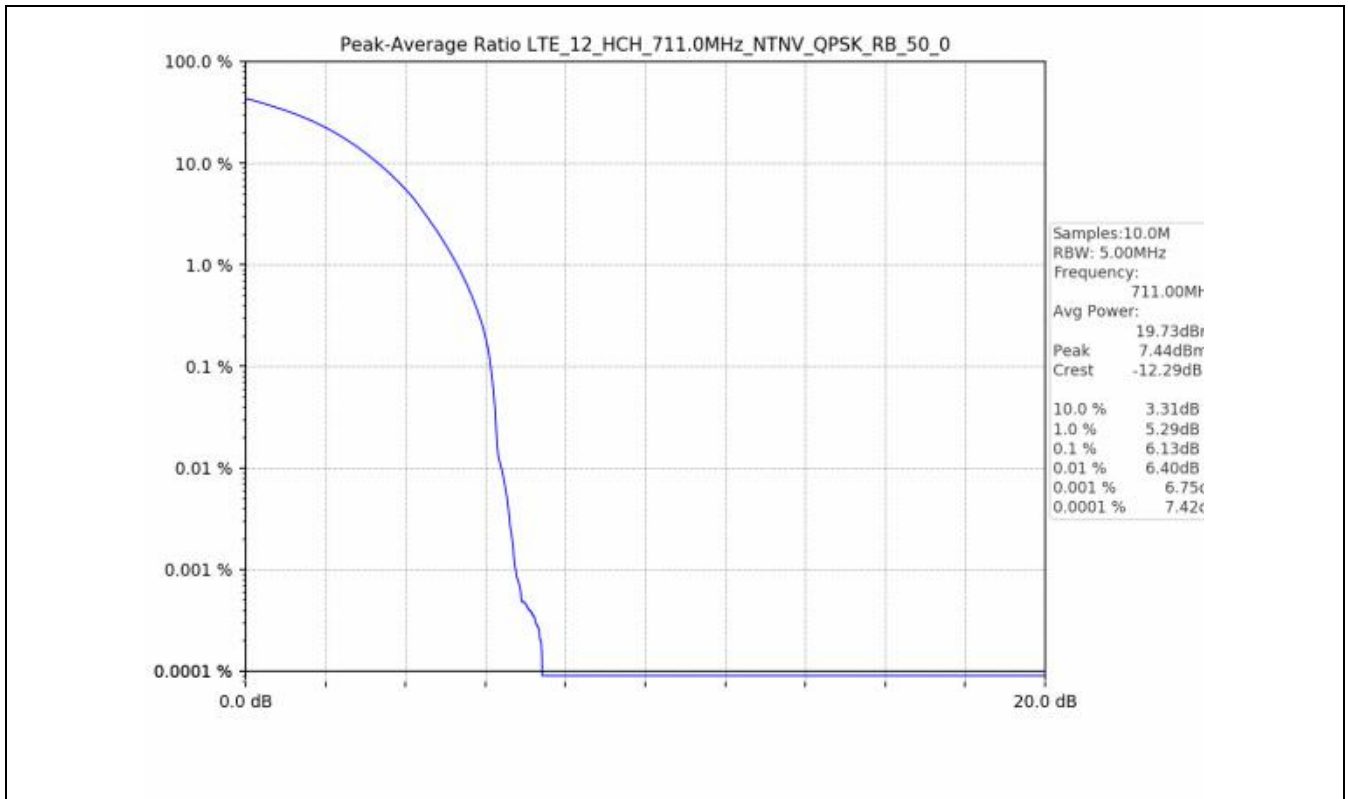


| Test Band: 12 _ 10MHz Bandwidth |               |        |                  |      |      |            |         |
|---------------------------------|---------------|--------|------------------|------|------|------------|---------|
| Test Mode                       | RB Allocation |        | Test result (dB) |      |      | Limit (dB) | Verdict |
|                                 | Size          | Offset | LCH              | MCH  | HCH  |            |         |
| QPSK                            | 50            | 0      | 6.01             | 6.09 | 6.13 | 13         | PASS    |
| 16QAM                           | 50            | 0      | 6.76             | 6.72 | 6.79 | 13         | PASS    |



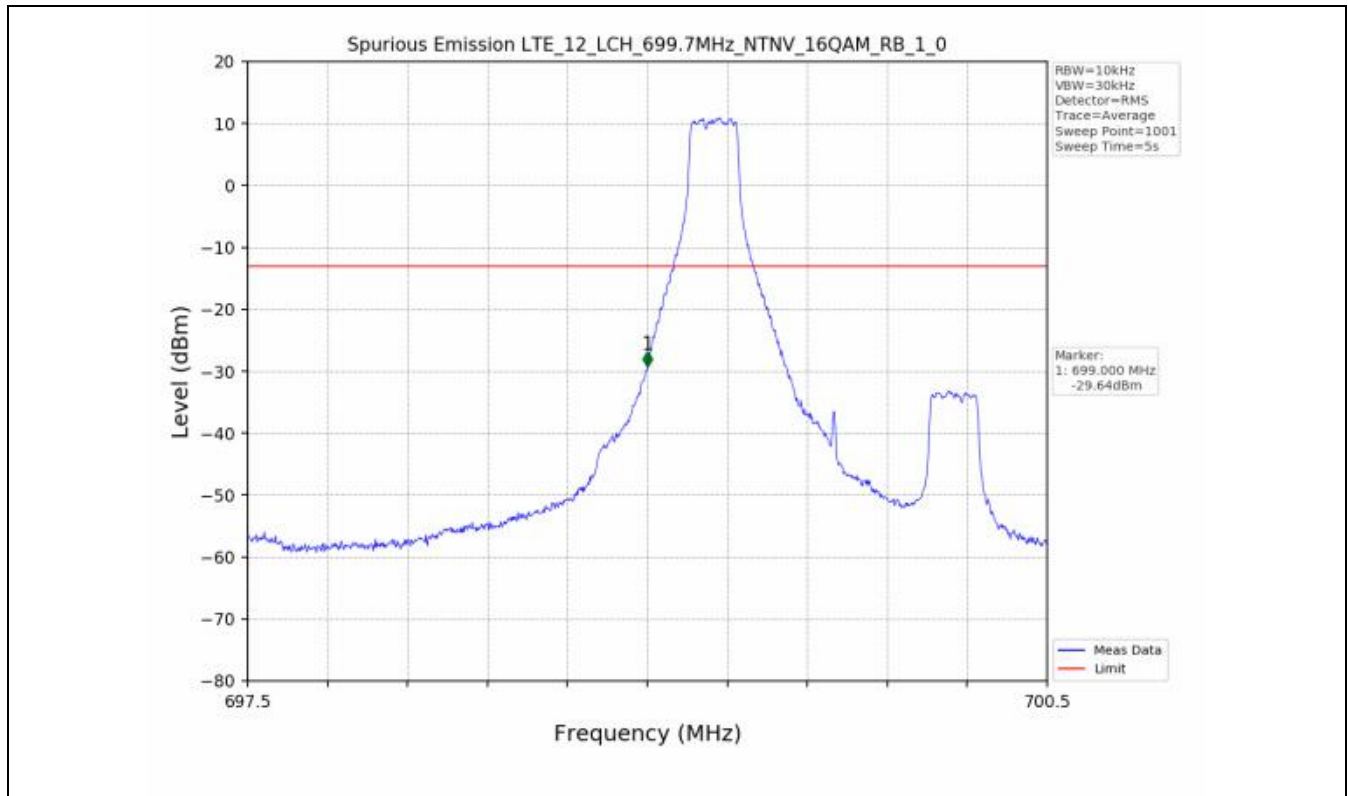


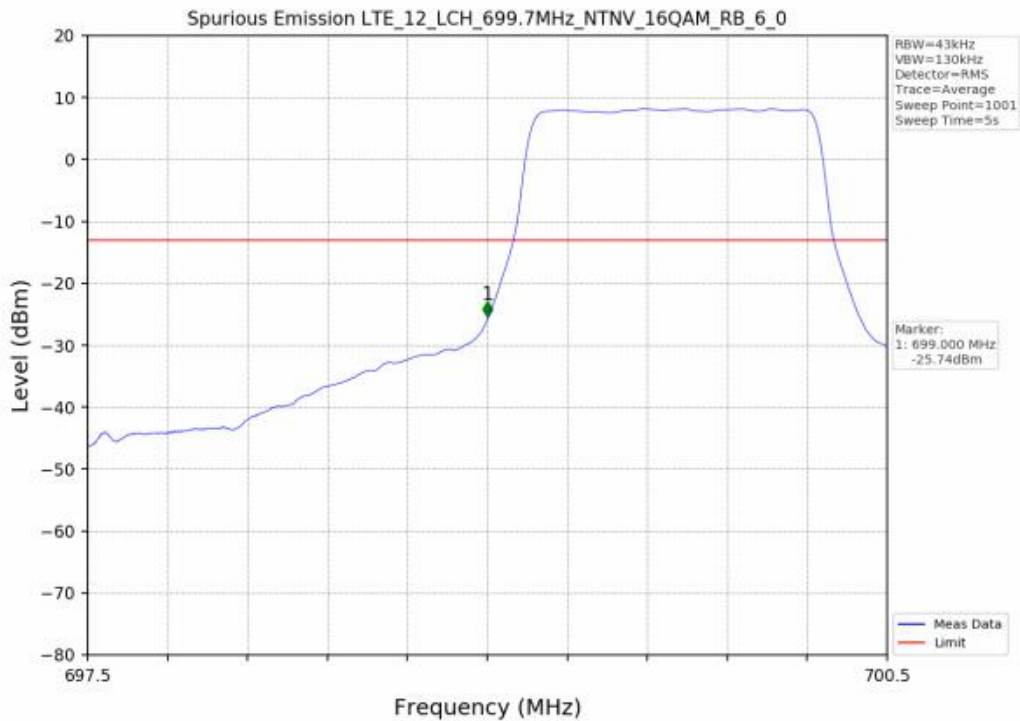
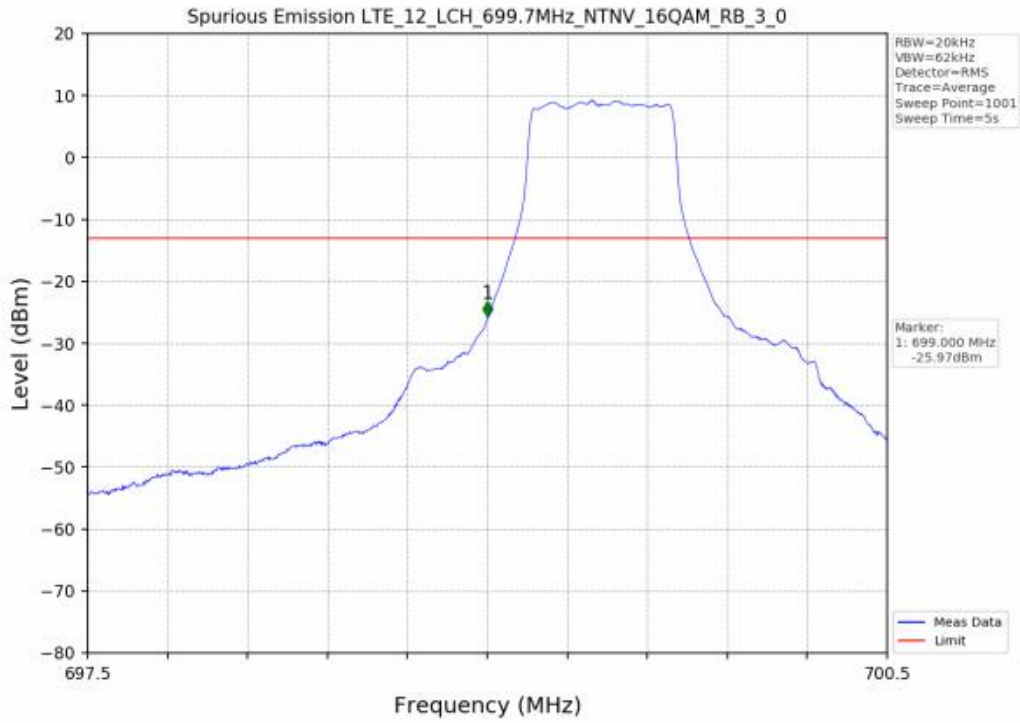


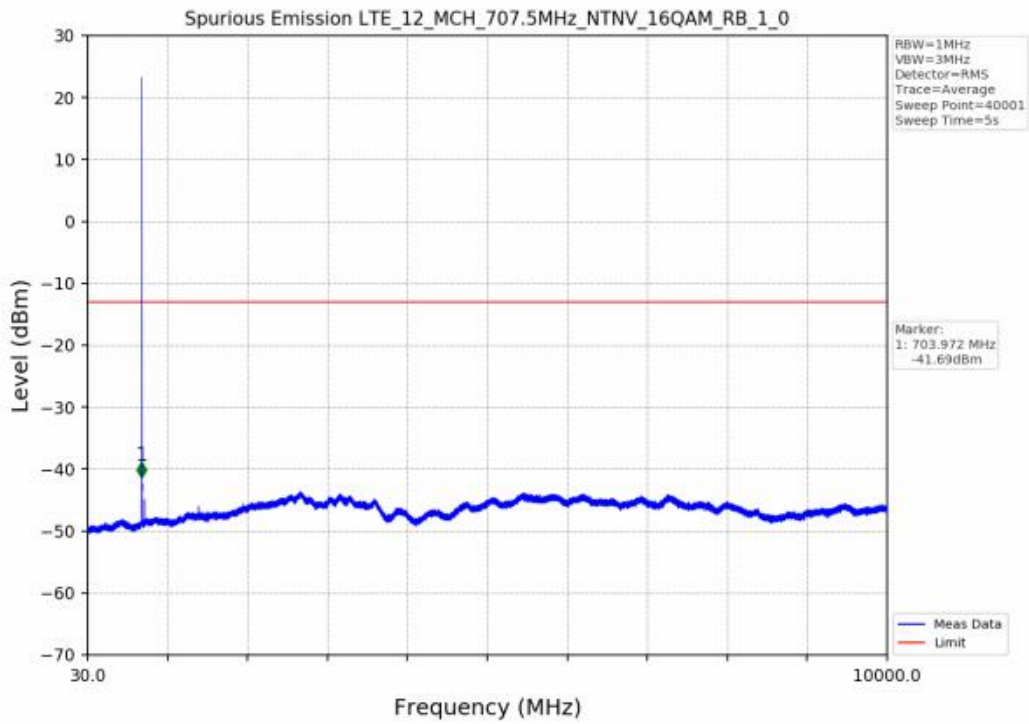
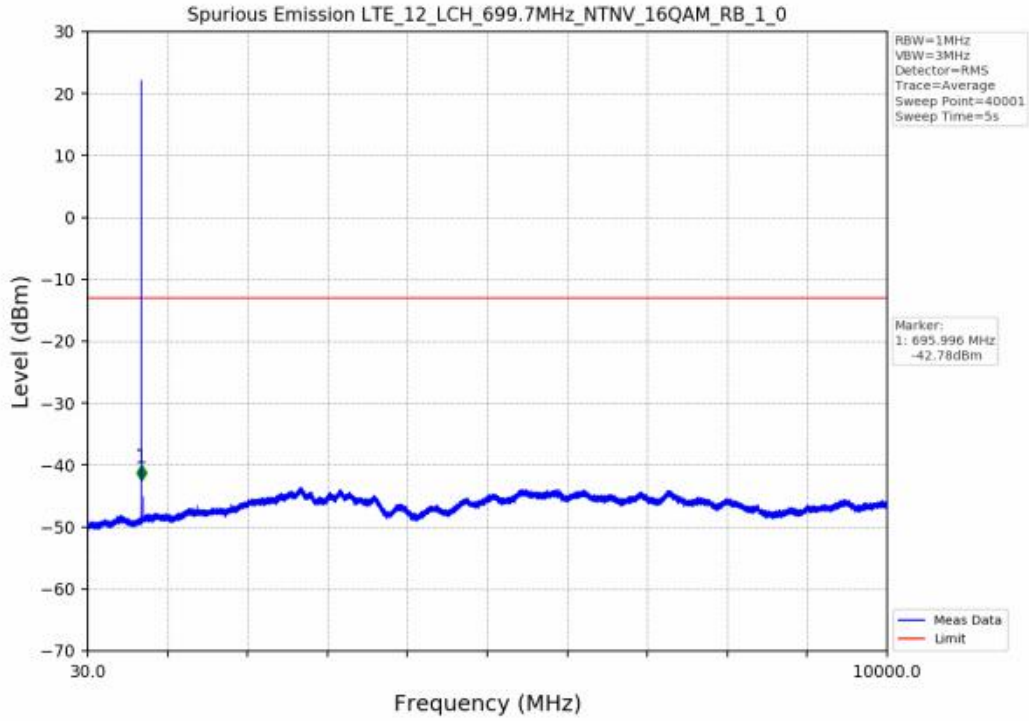


### G5. Spurious Emission

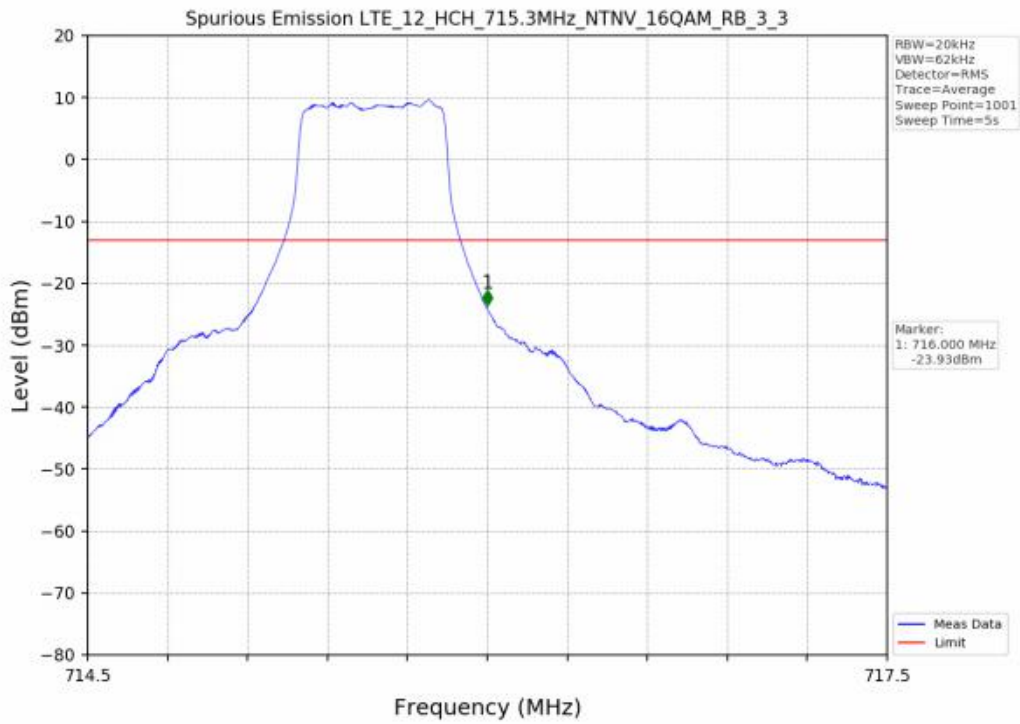
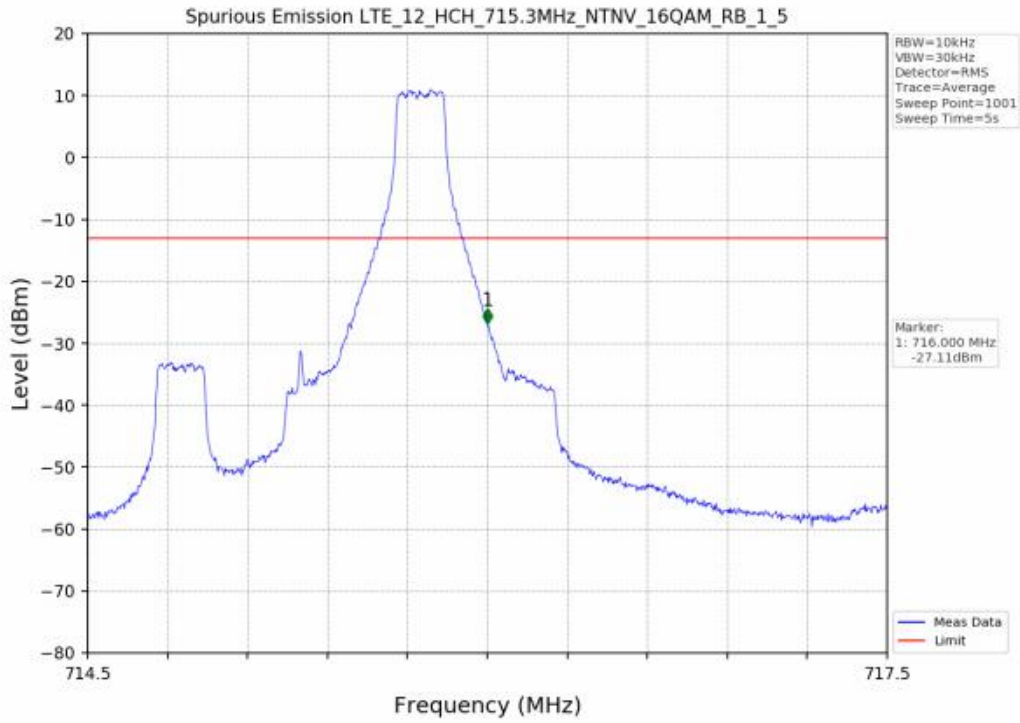
#### G5.1 Test Graph

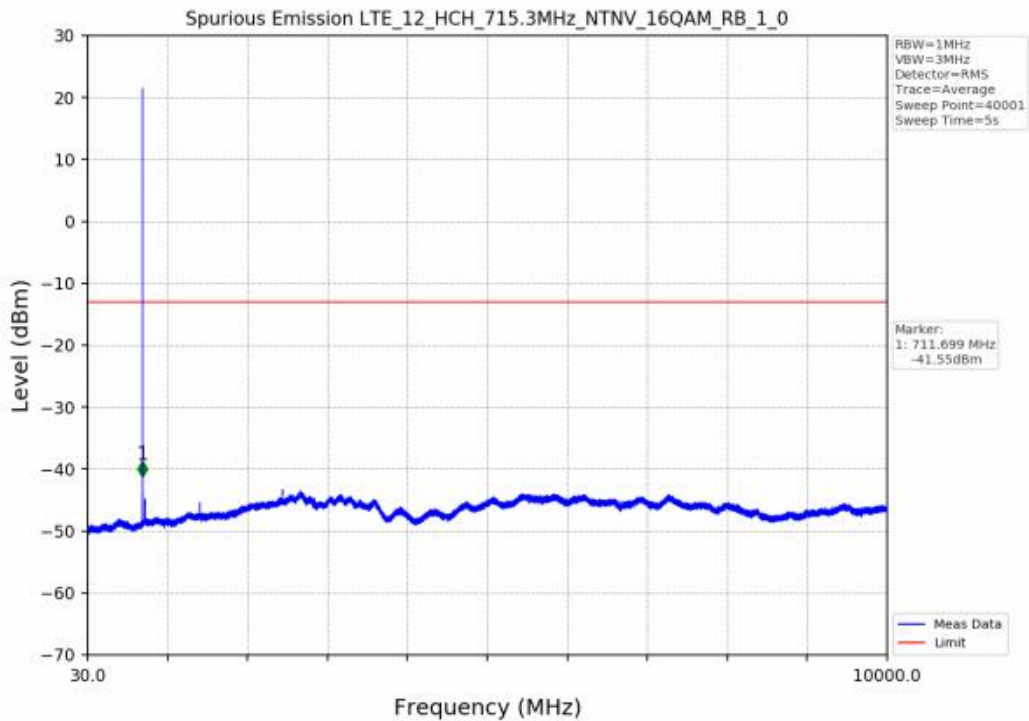
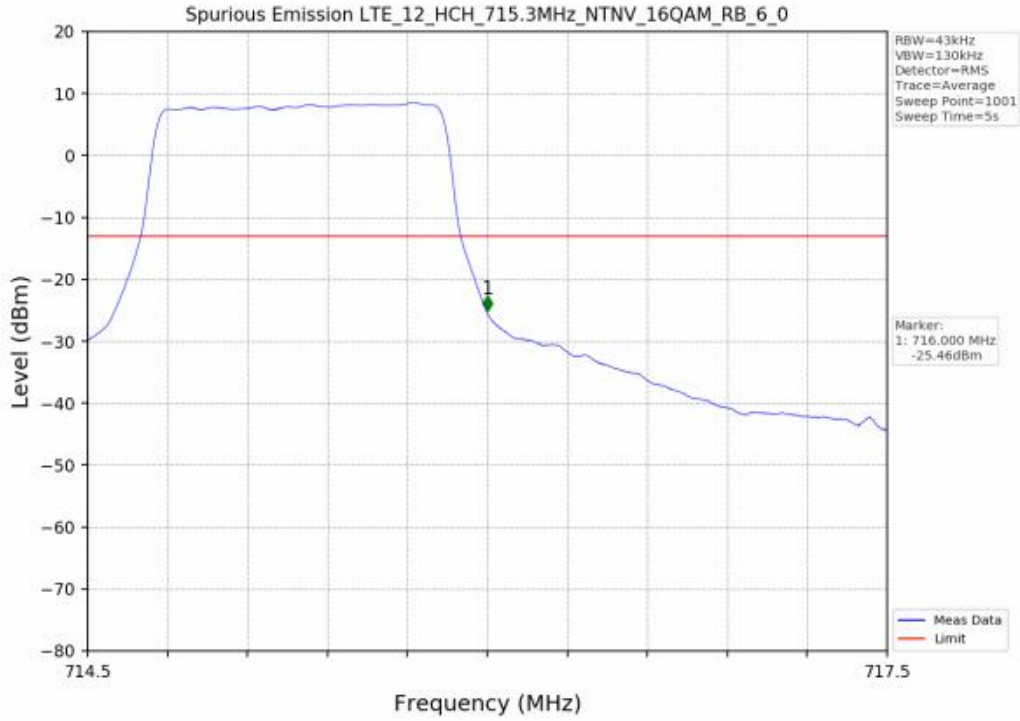


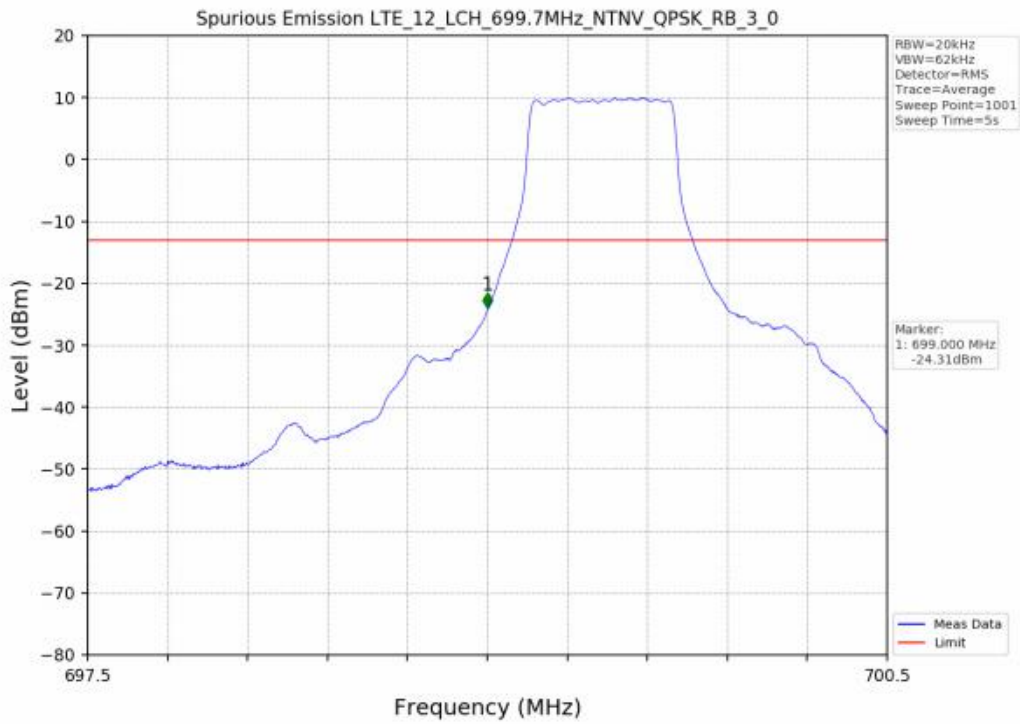
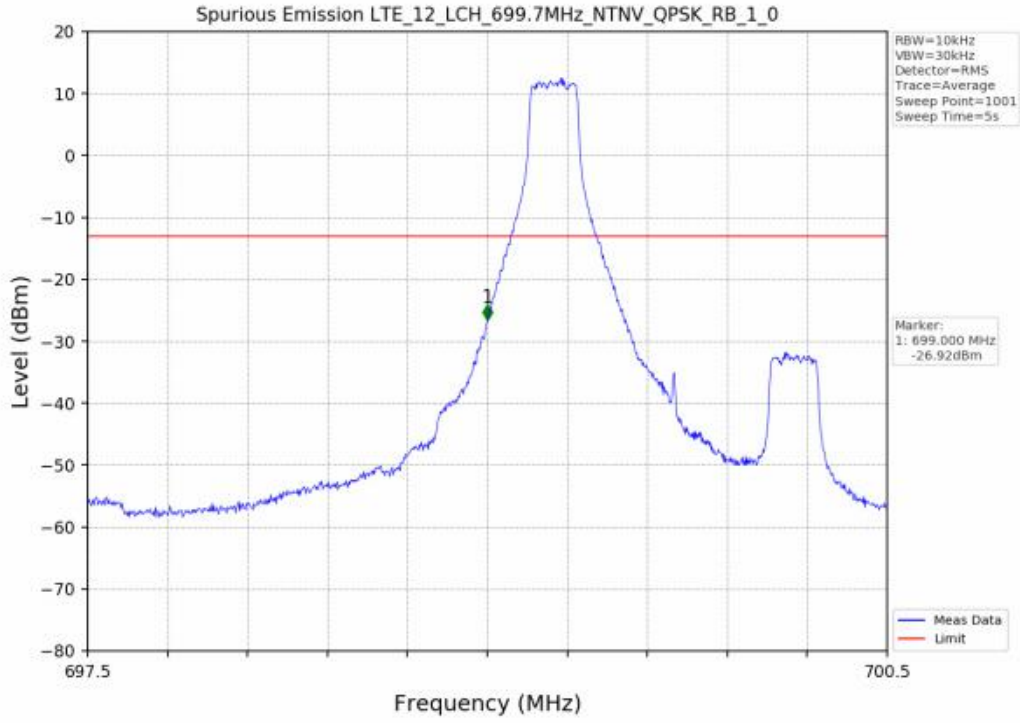


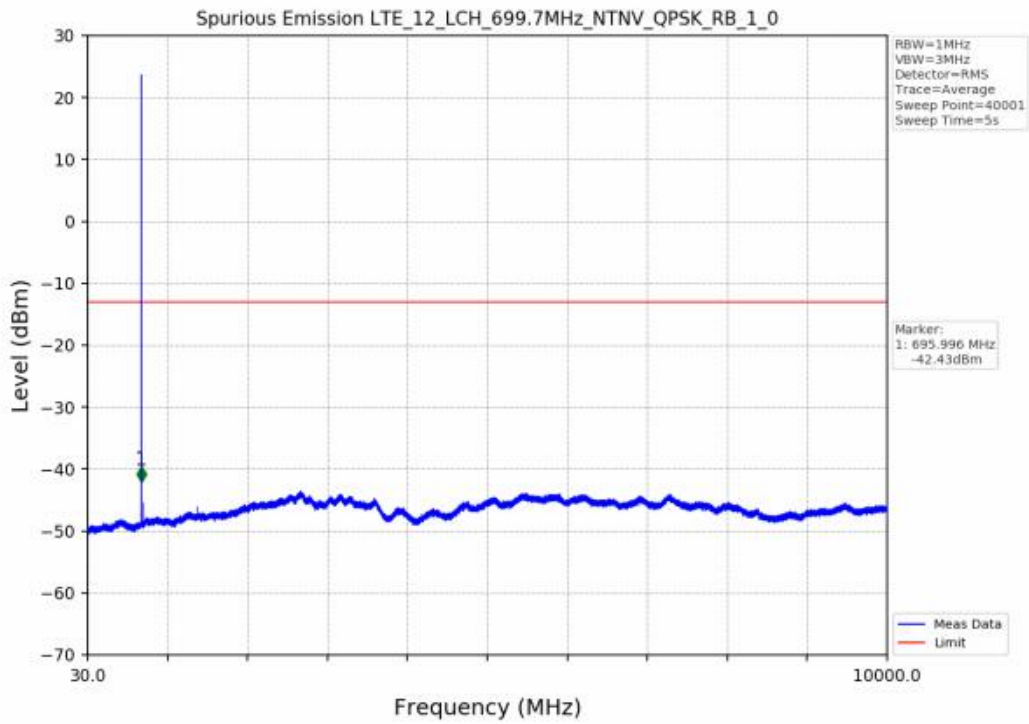
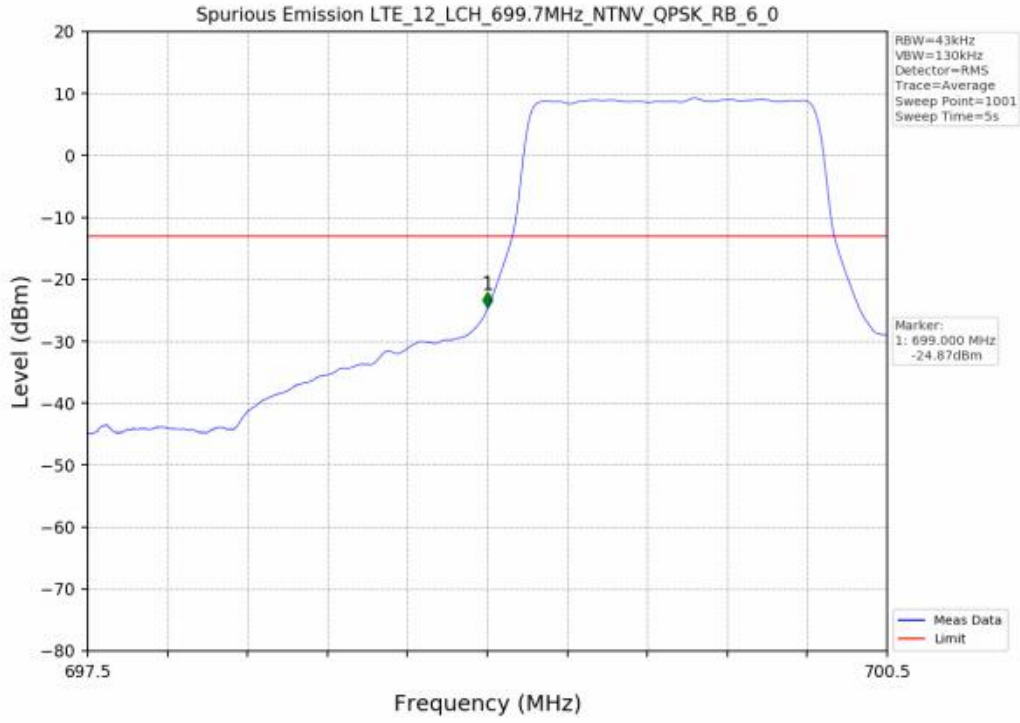


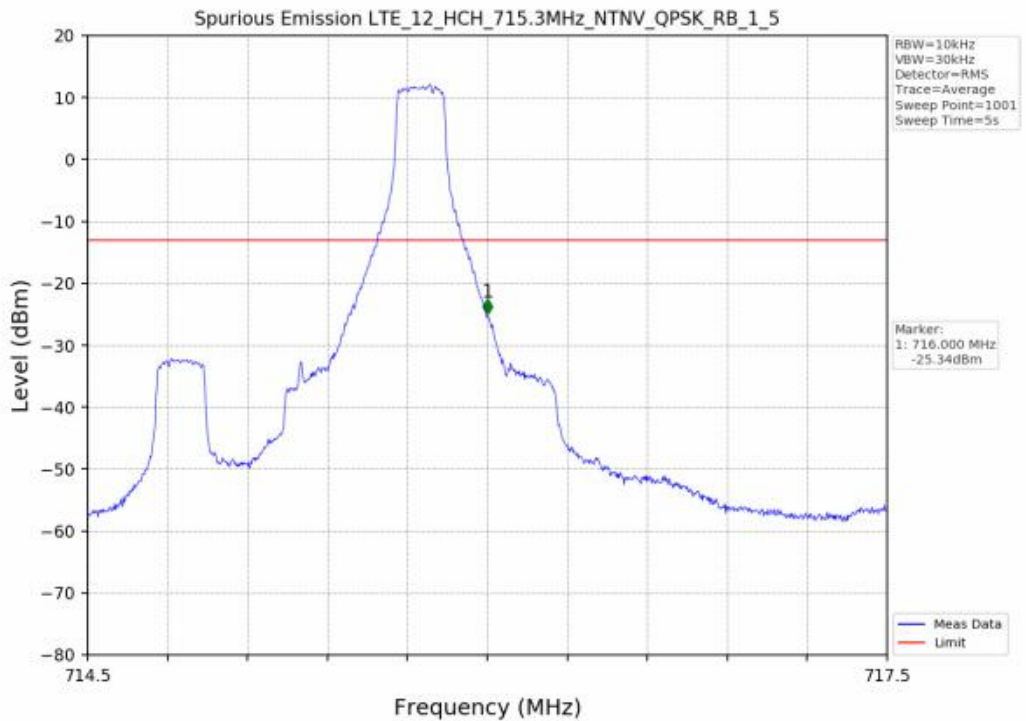
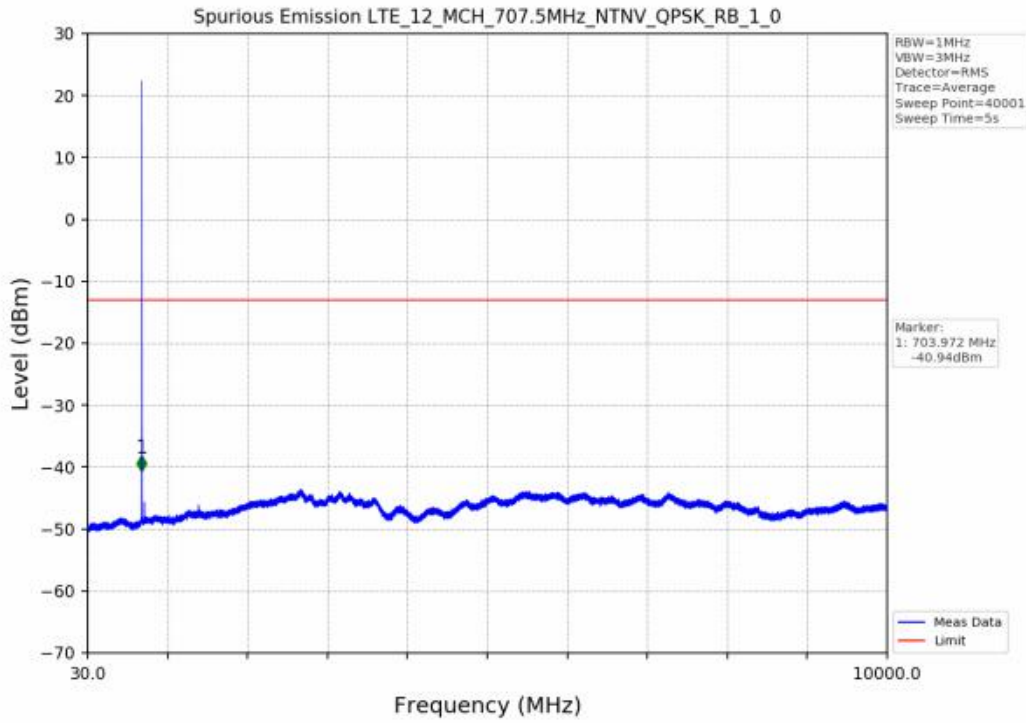


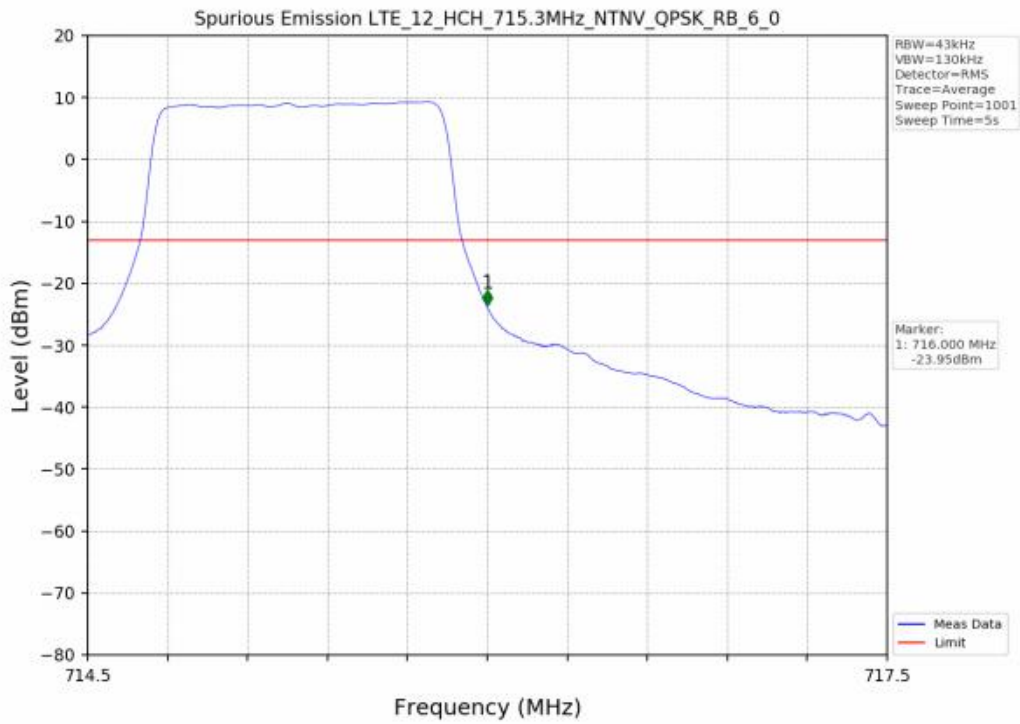
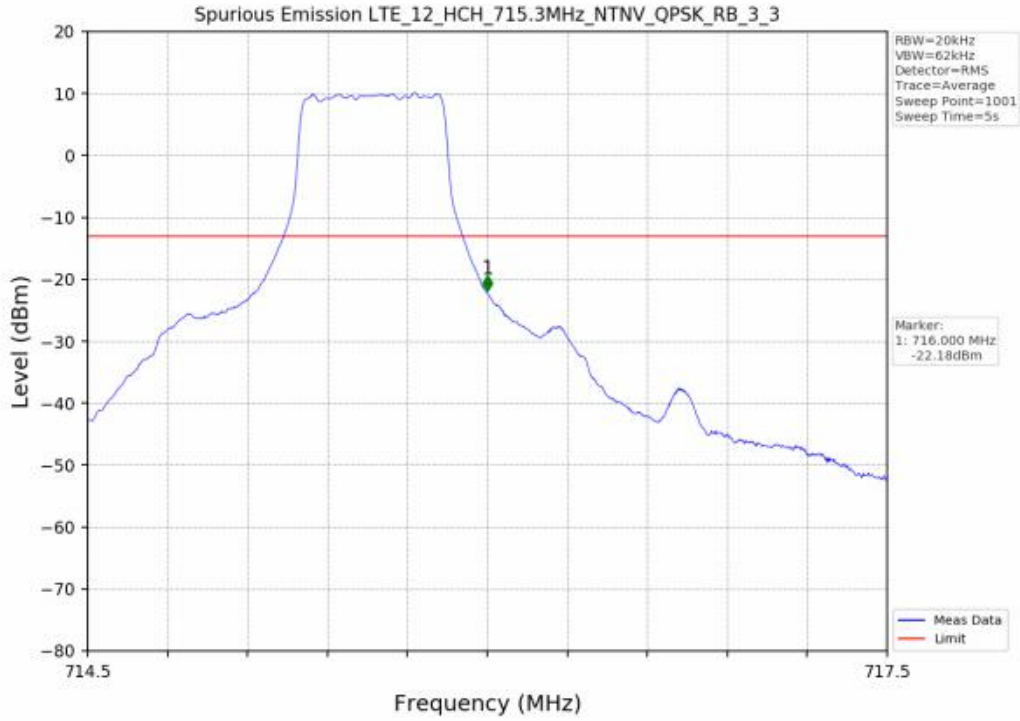


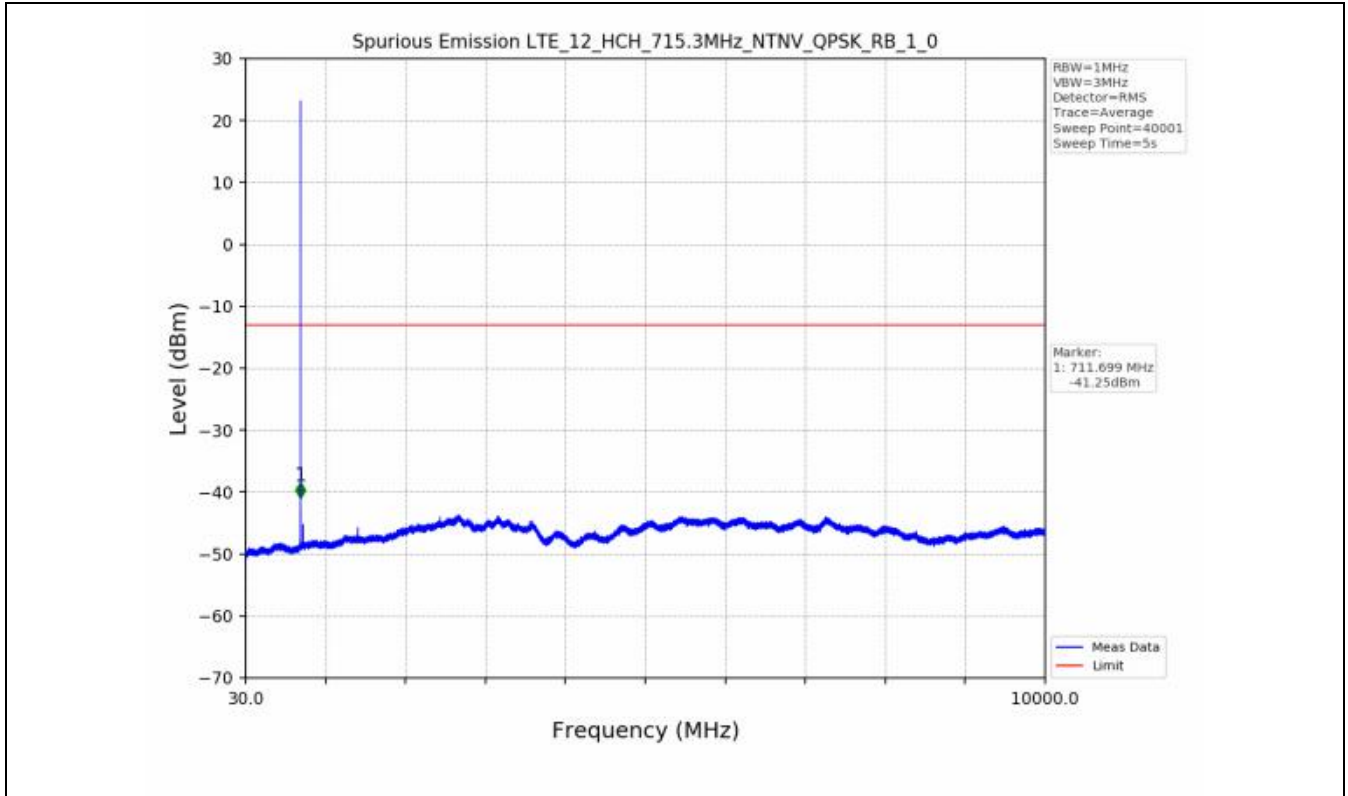




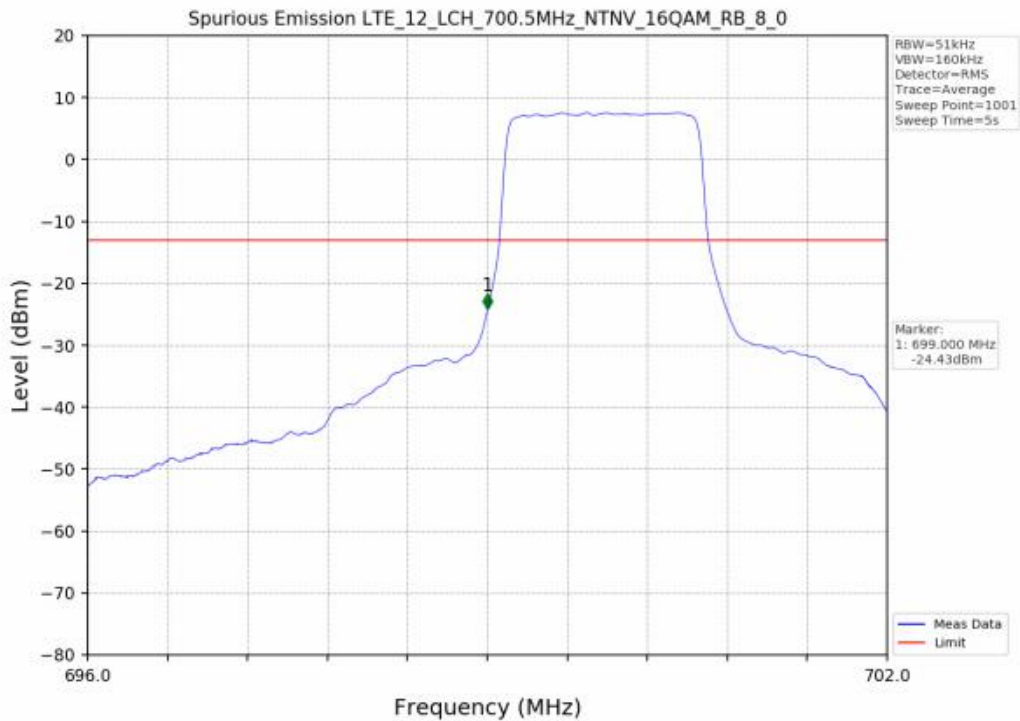
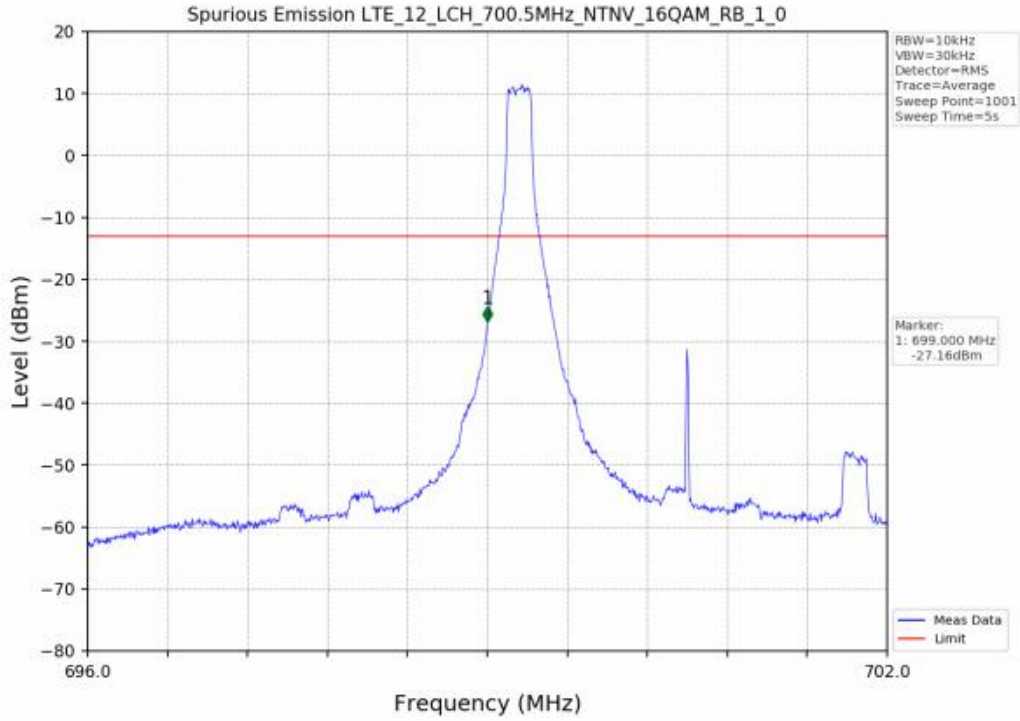




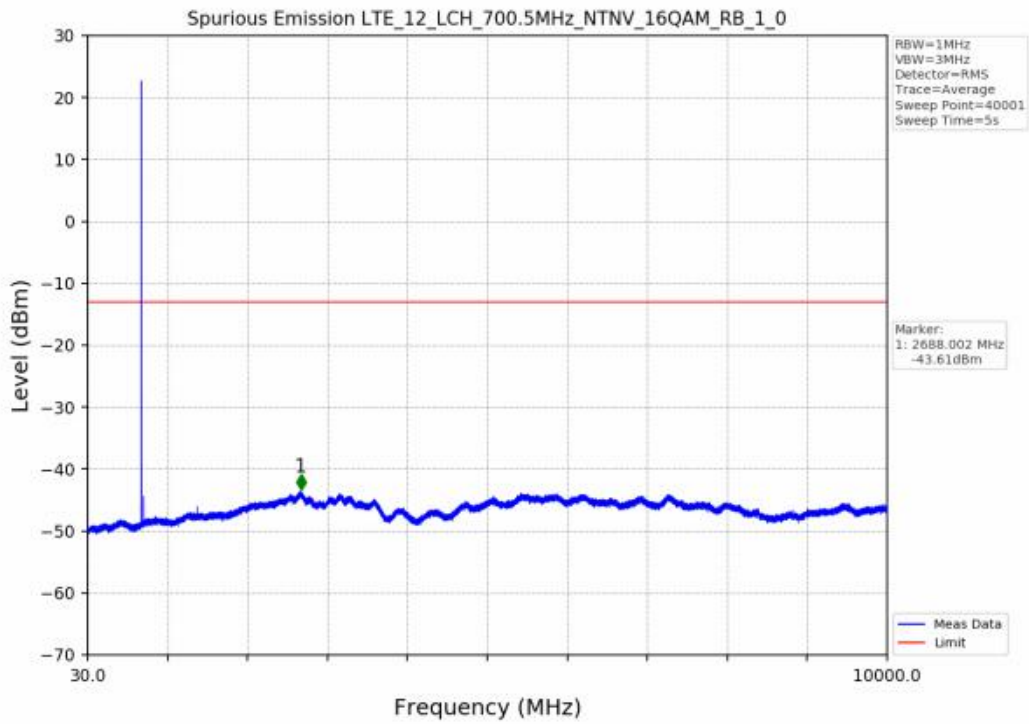
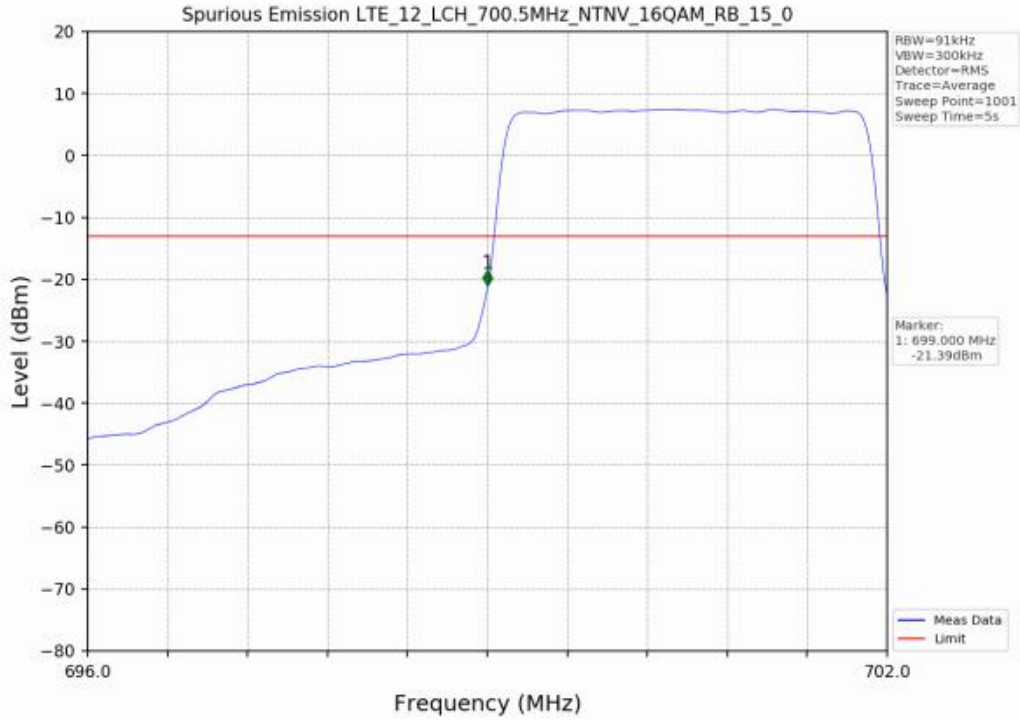


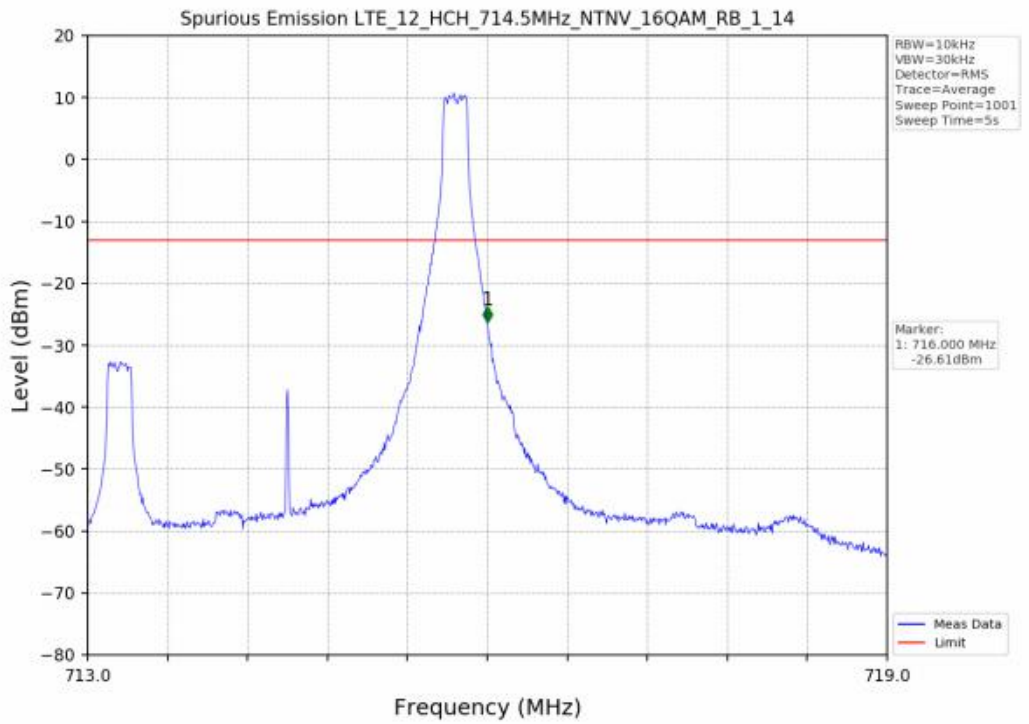
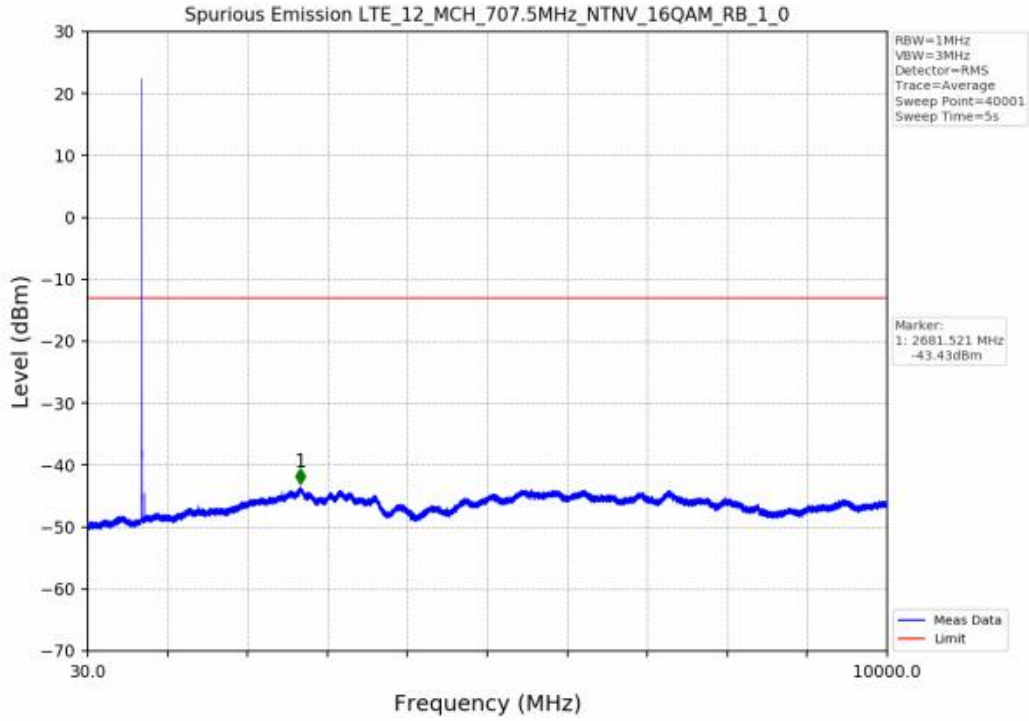


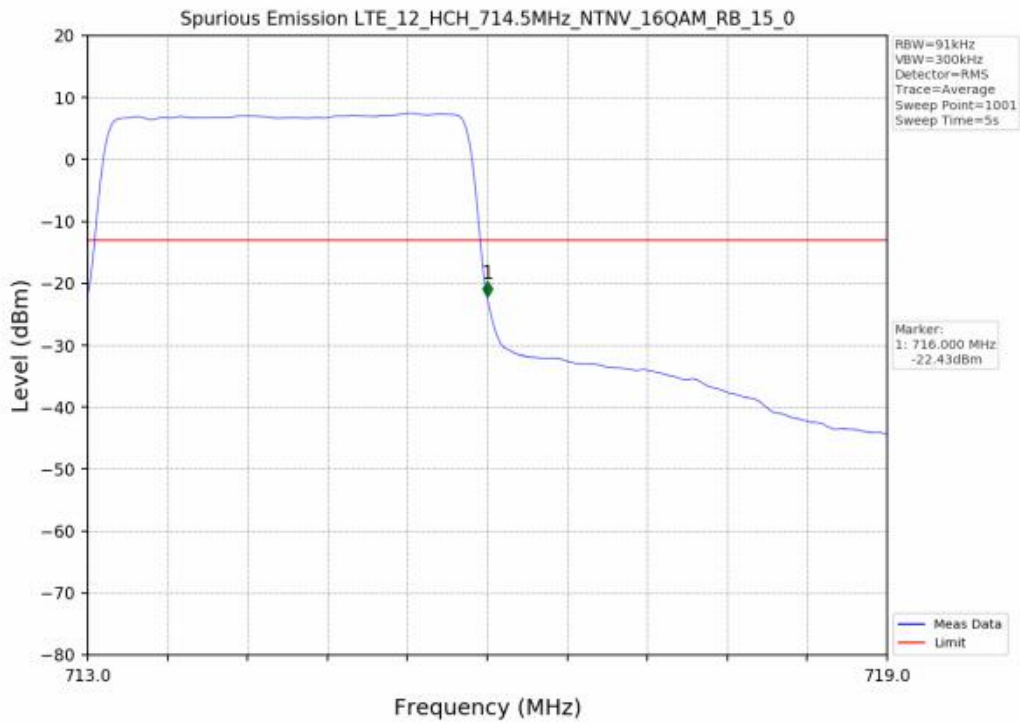
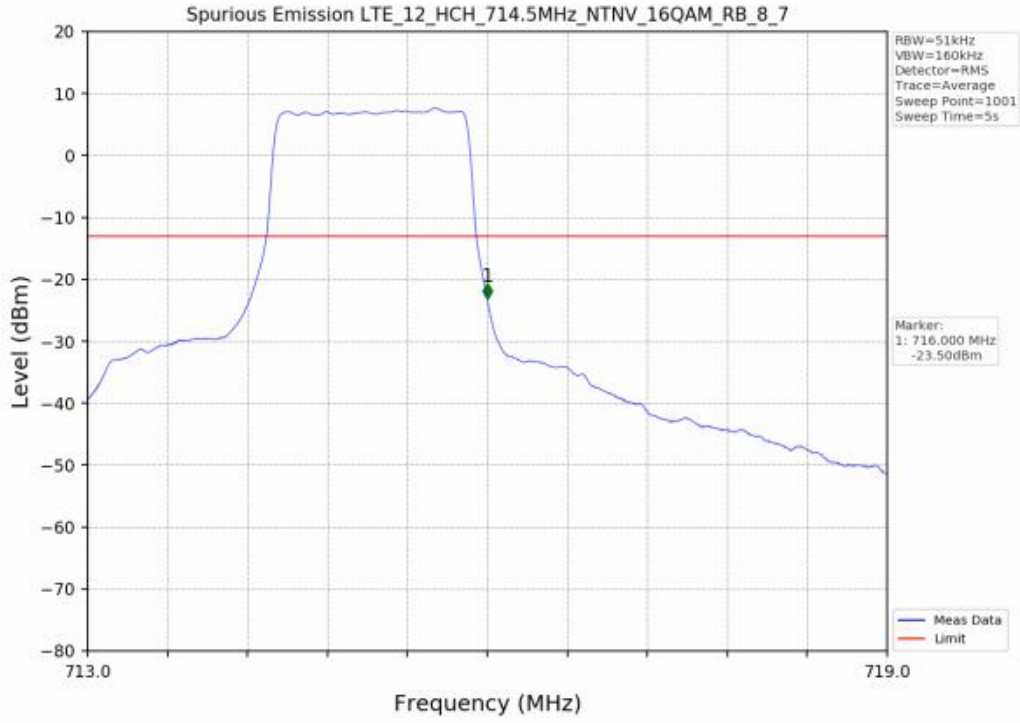
### 6.1 Test Graph

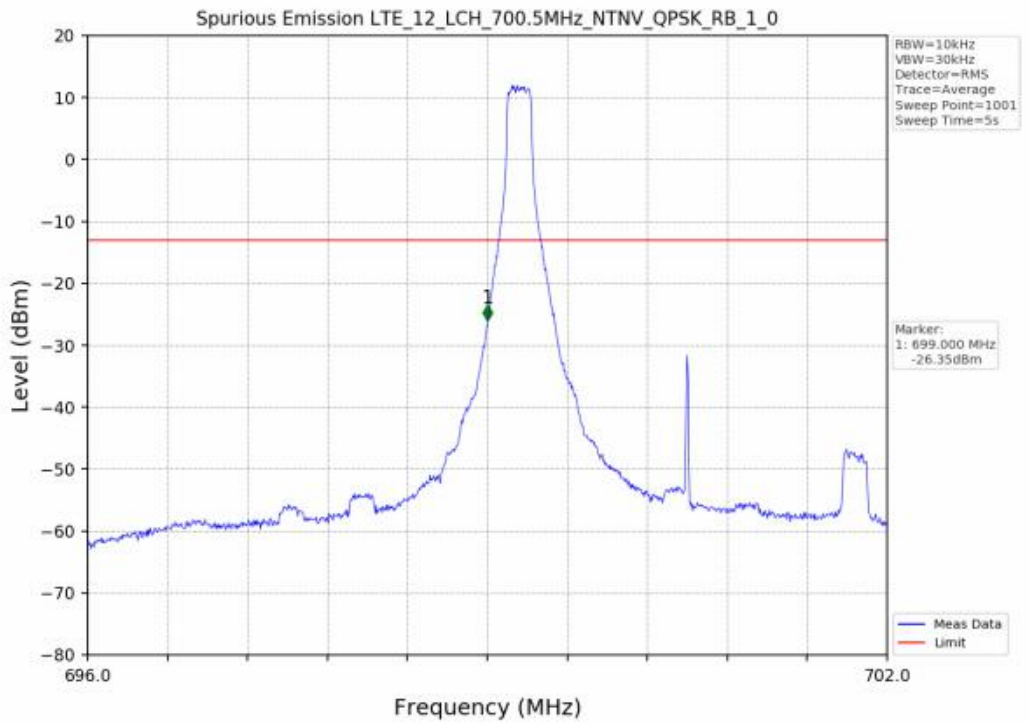
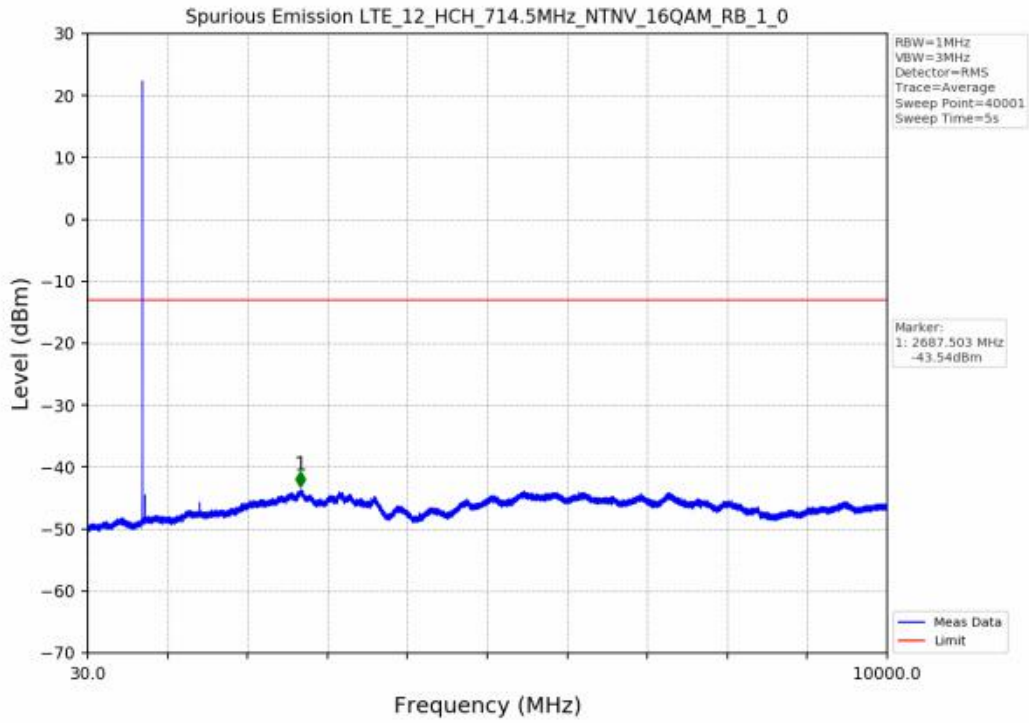


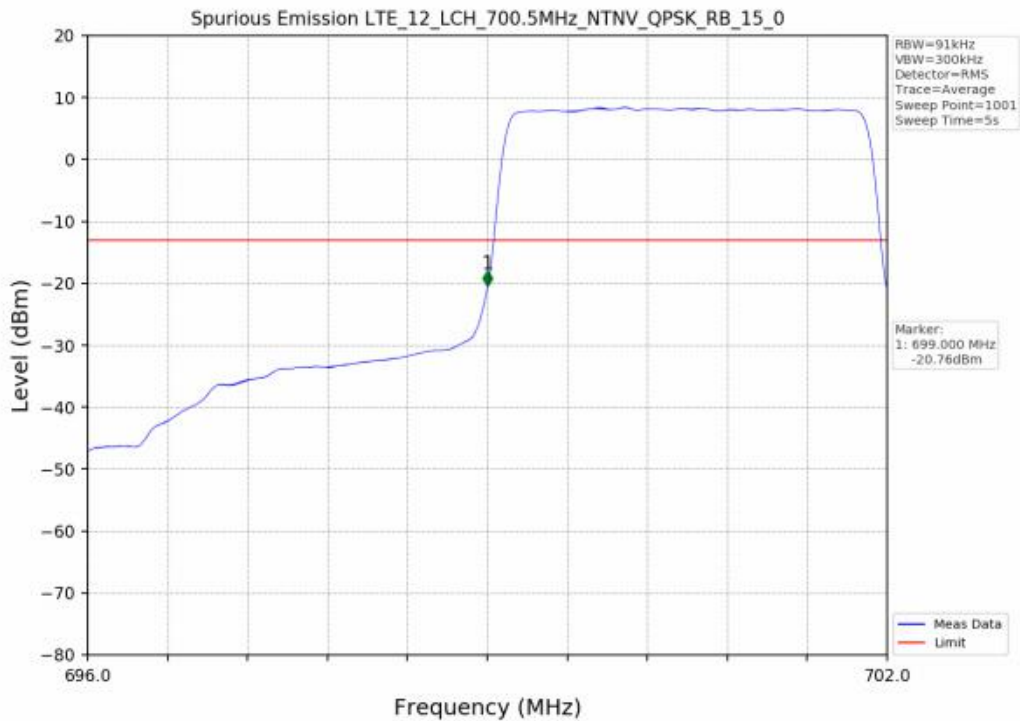
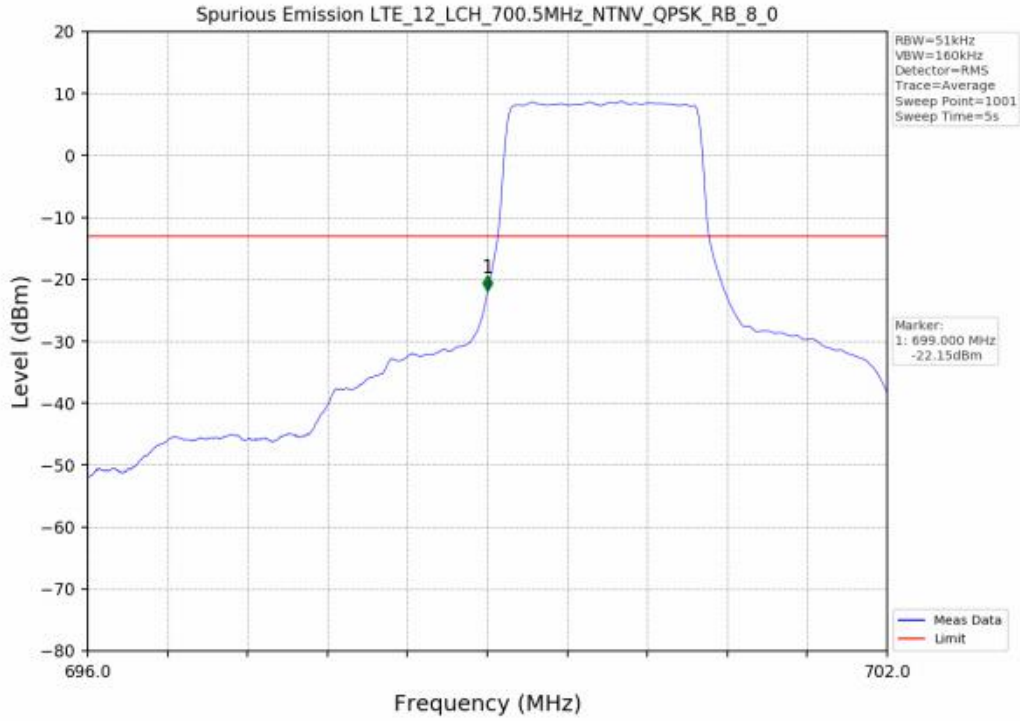


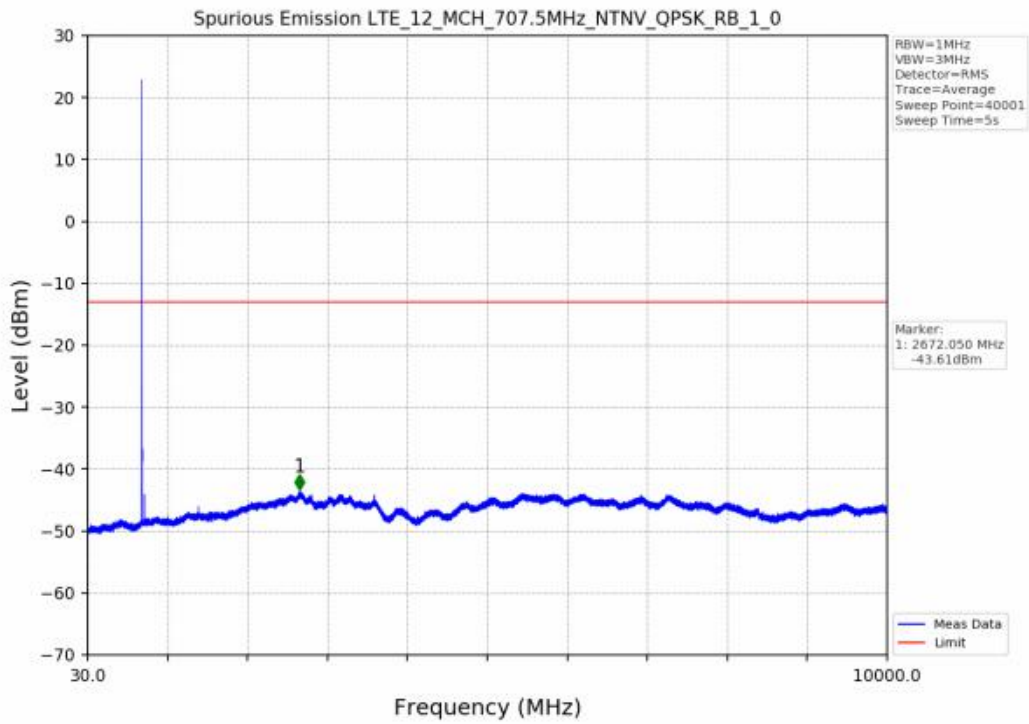
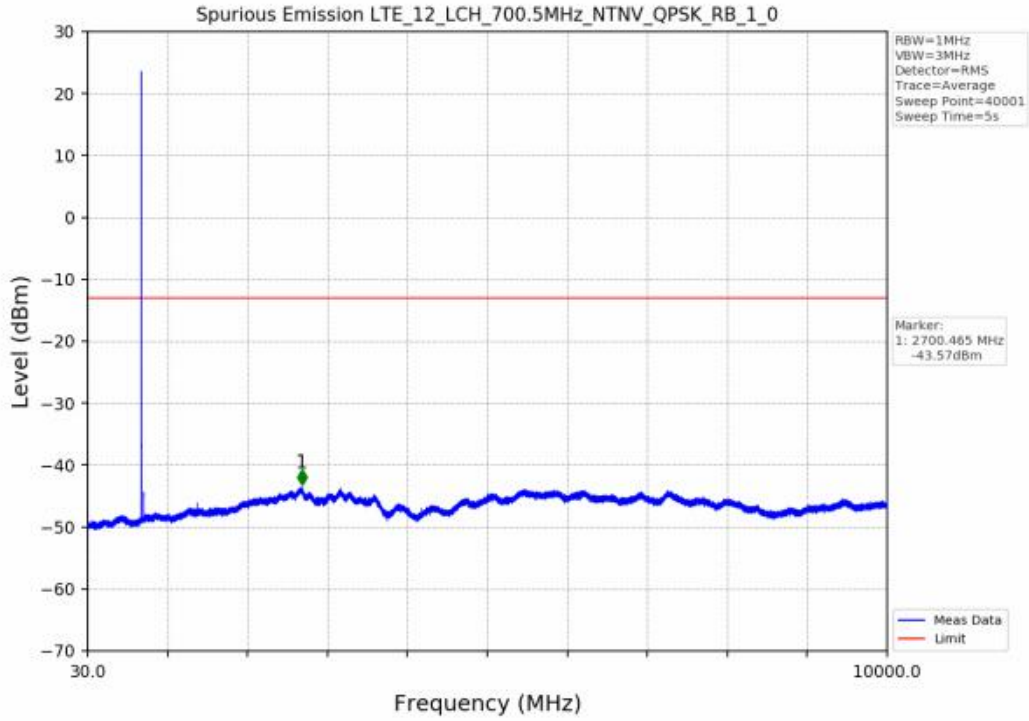


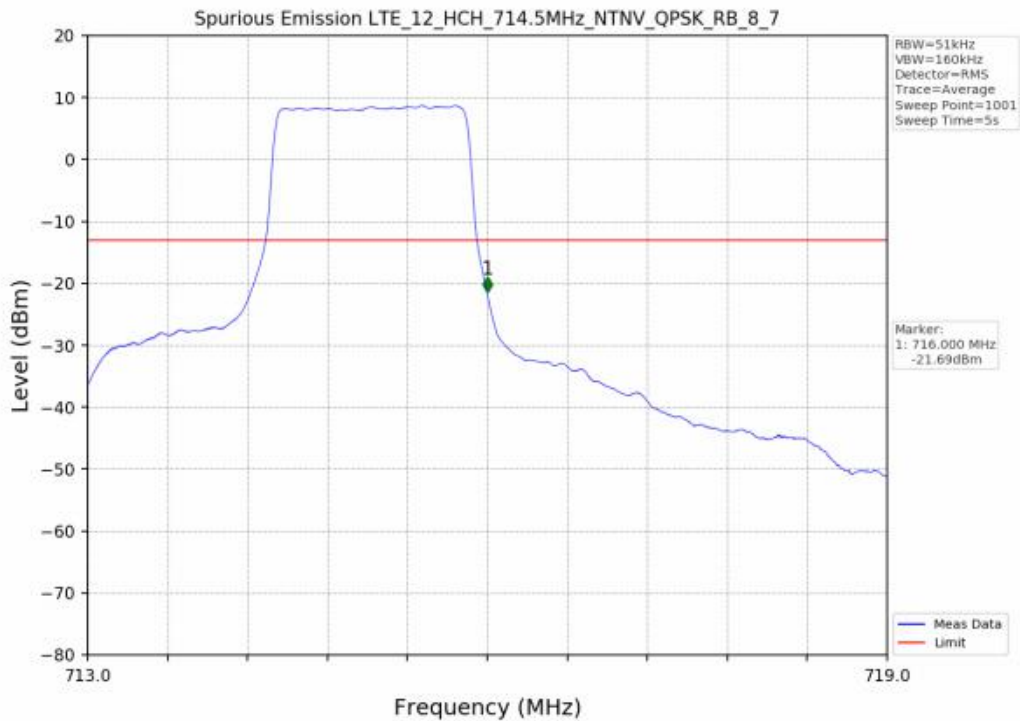
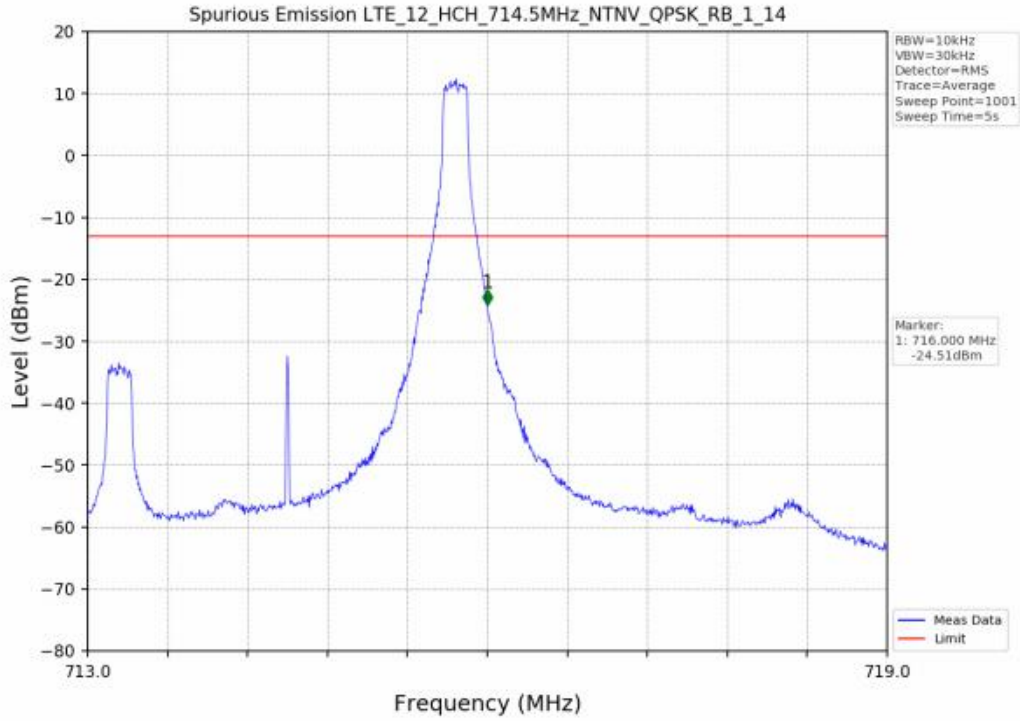


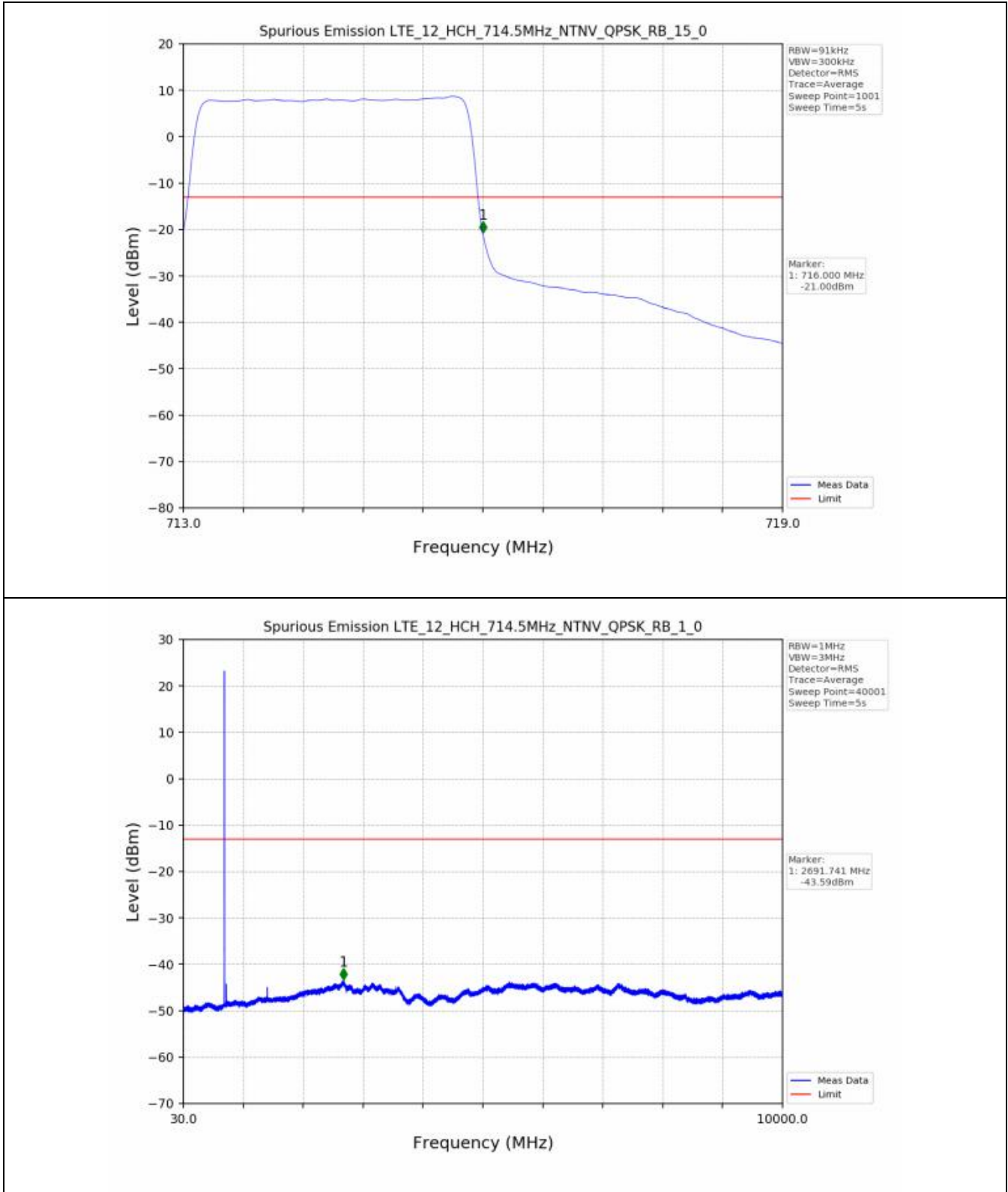






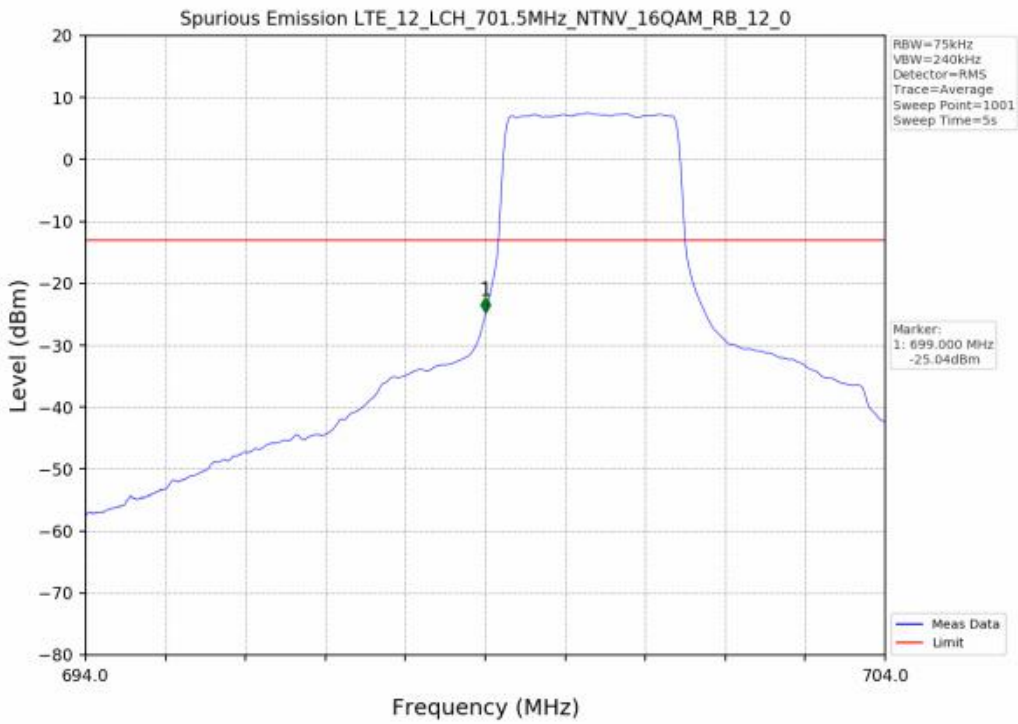
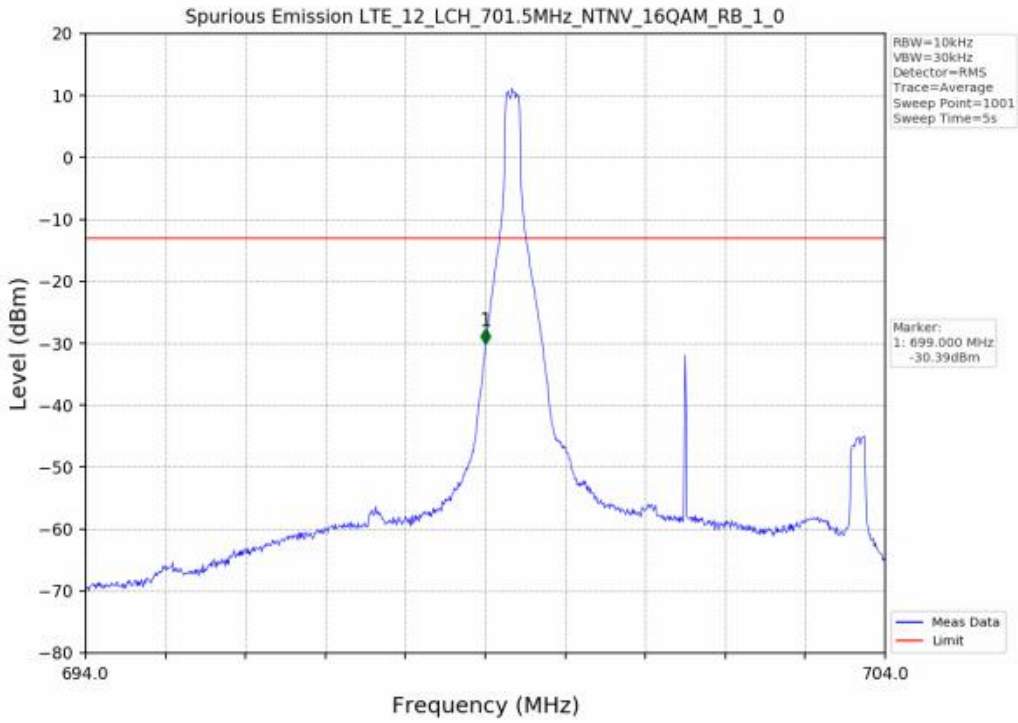


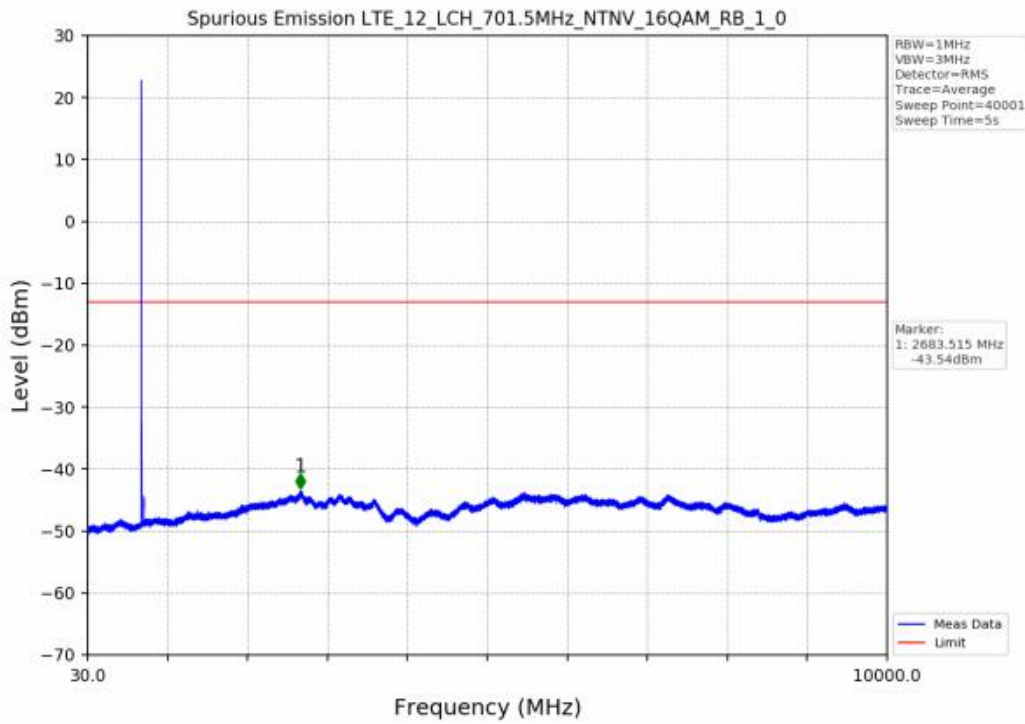
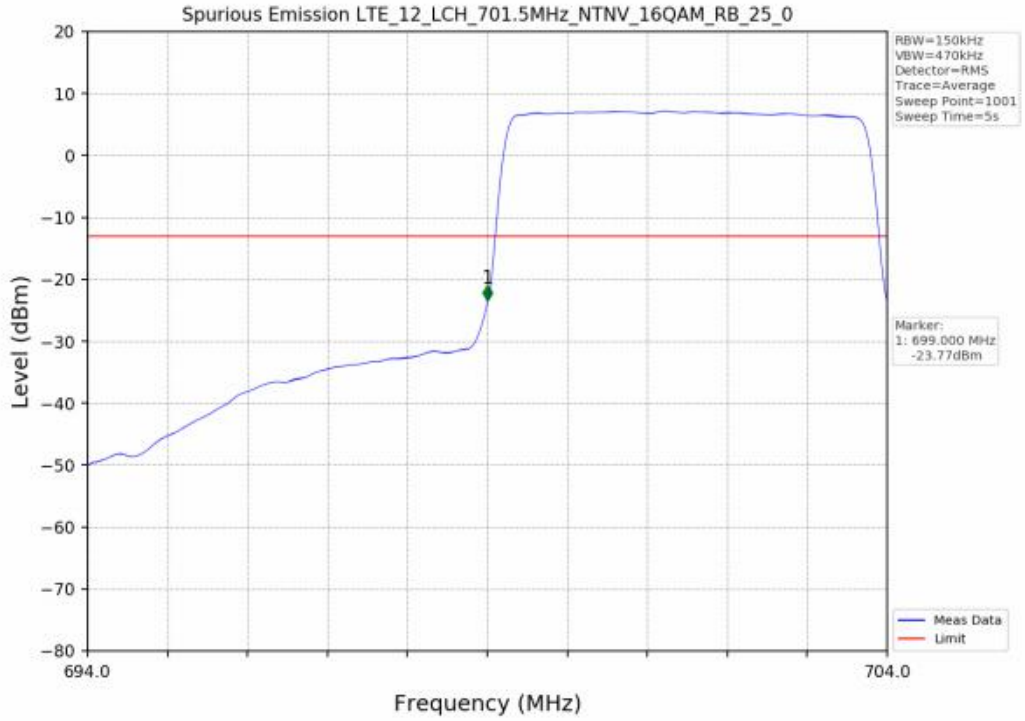


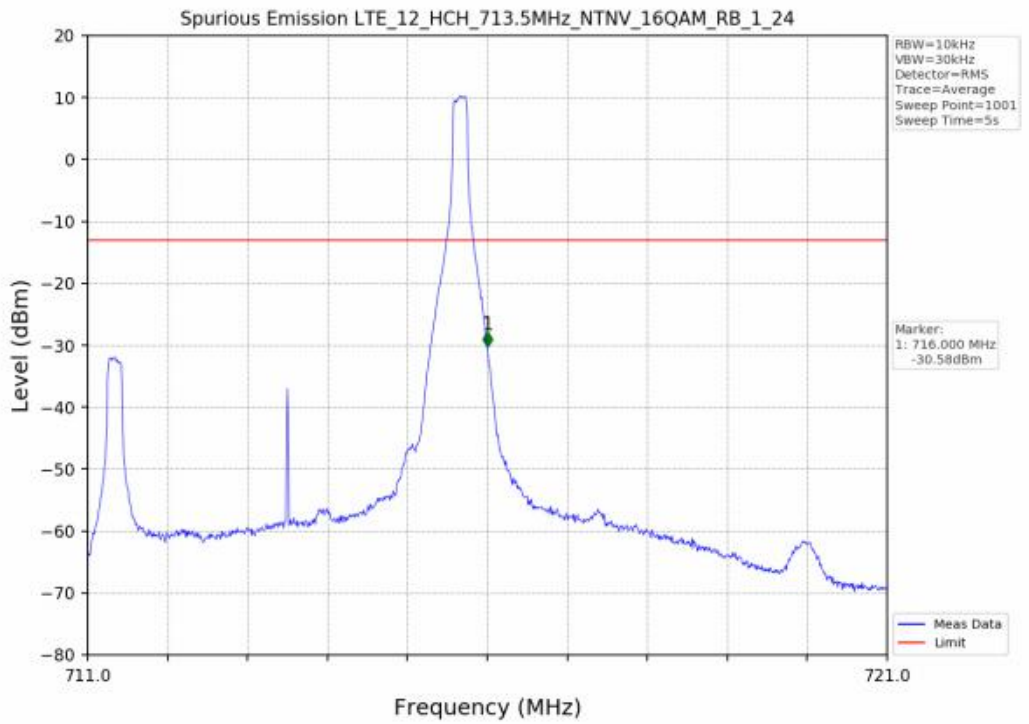
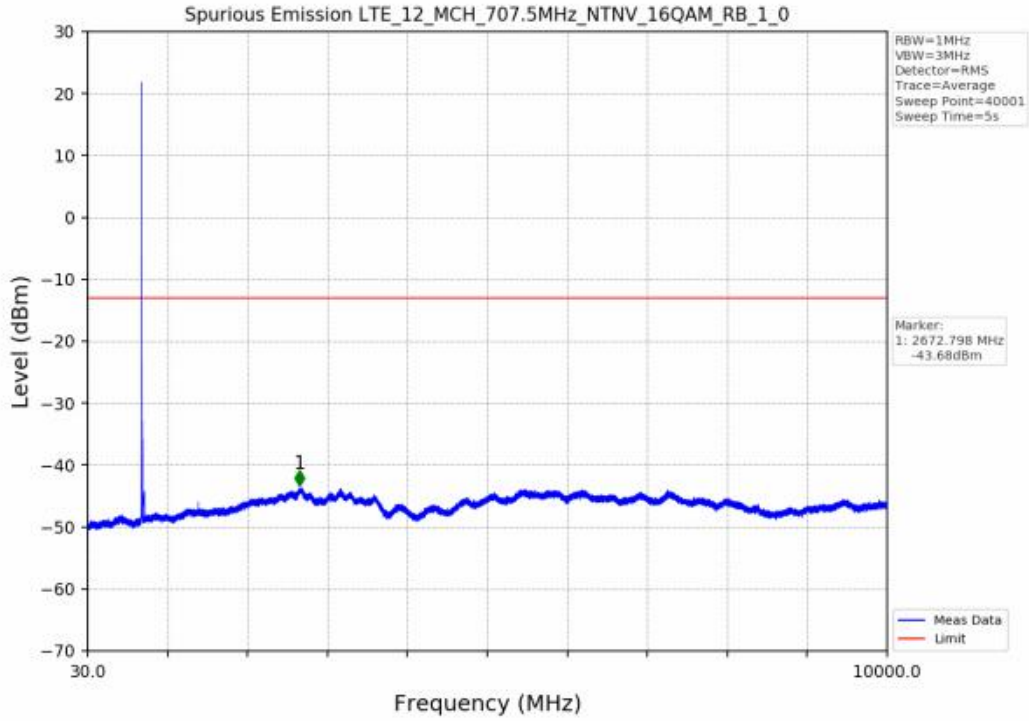


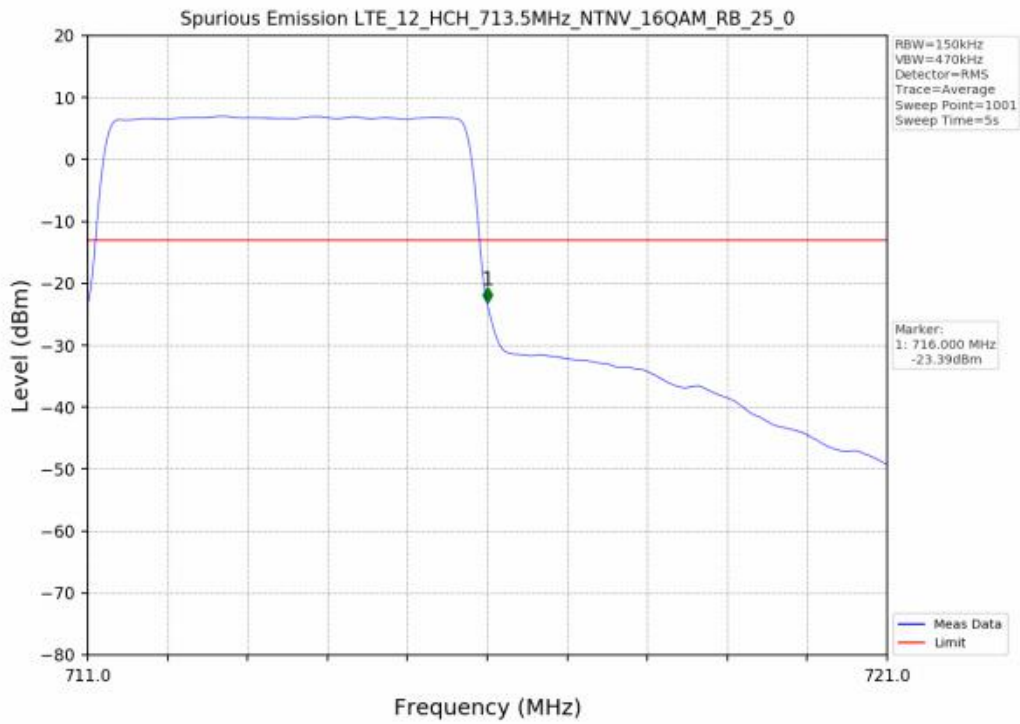
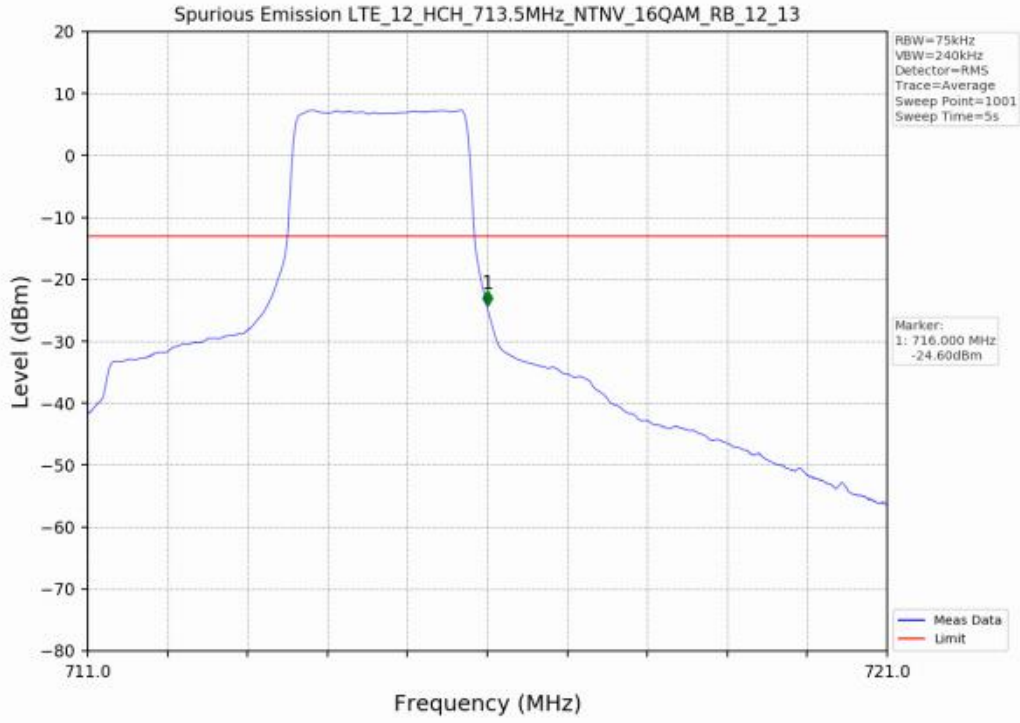
6.1 Test Graph

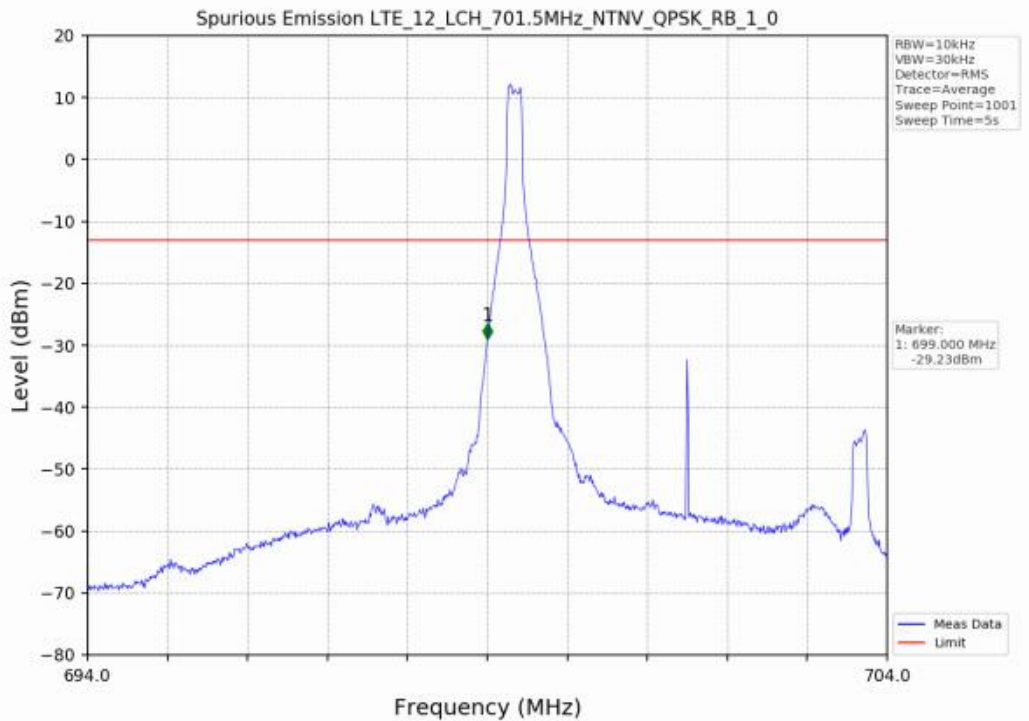
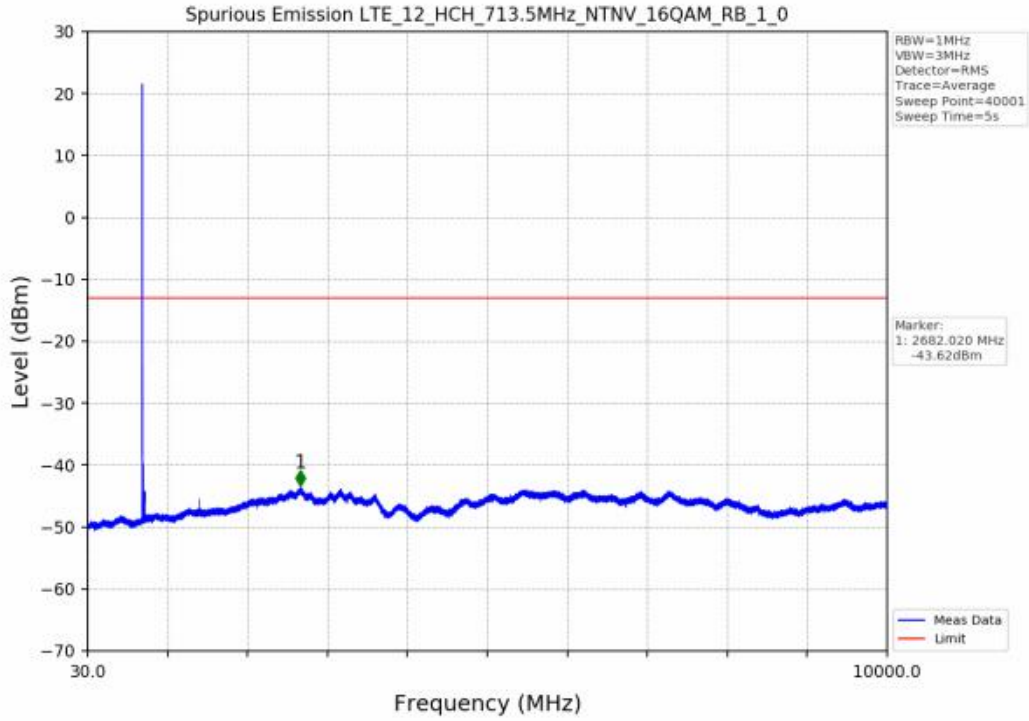


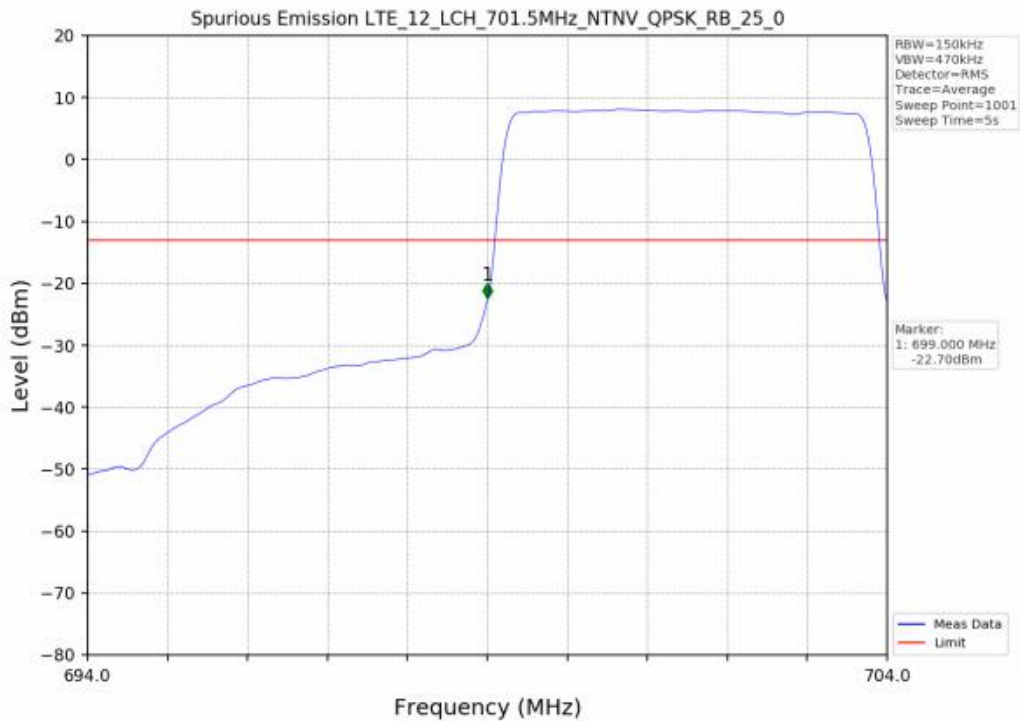
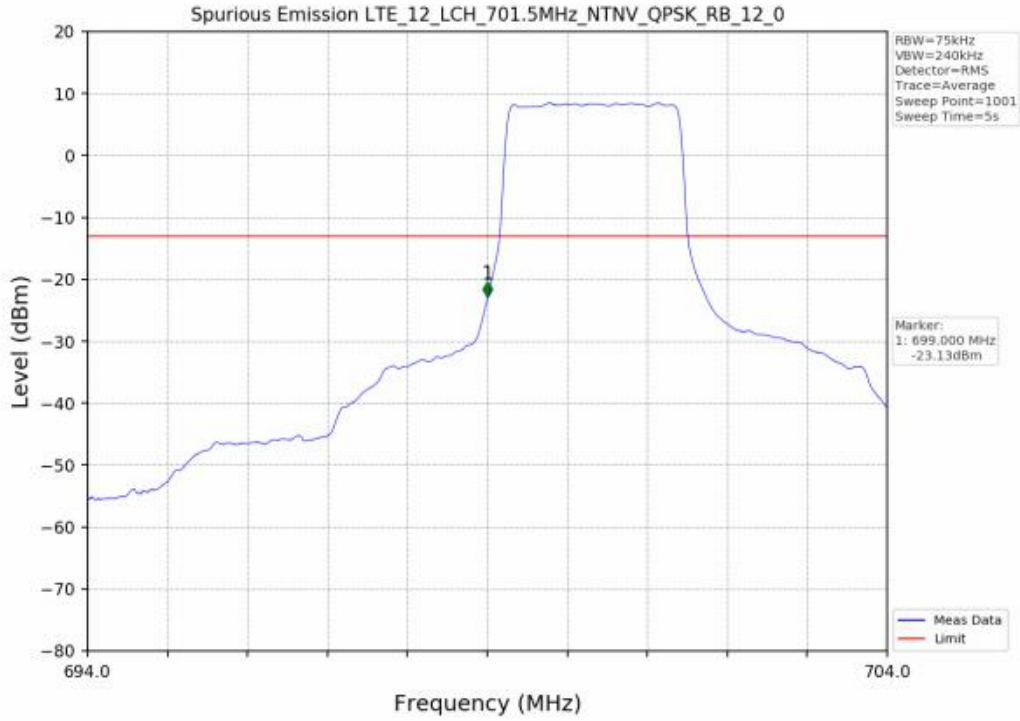


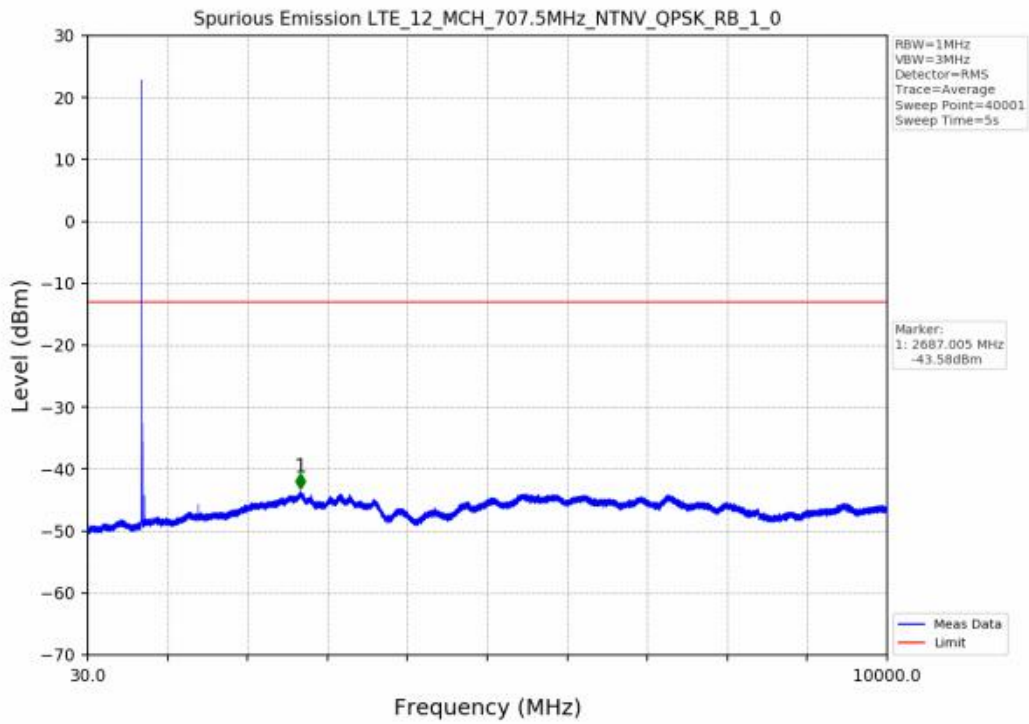
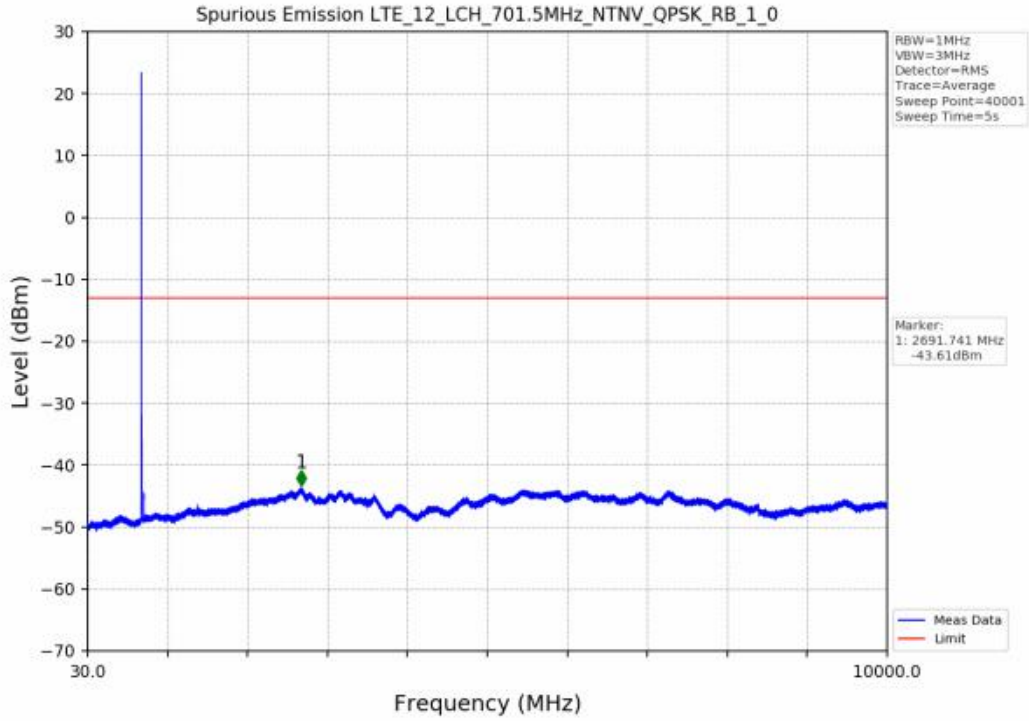


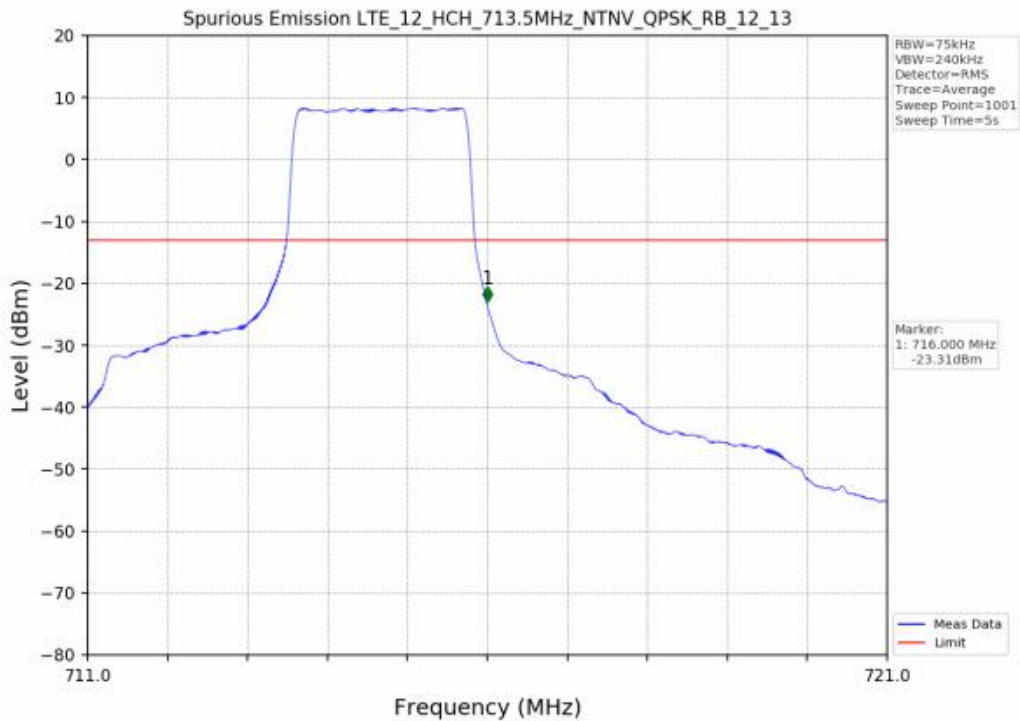
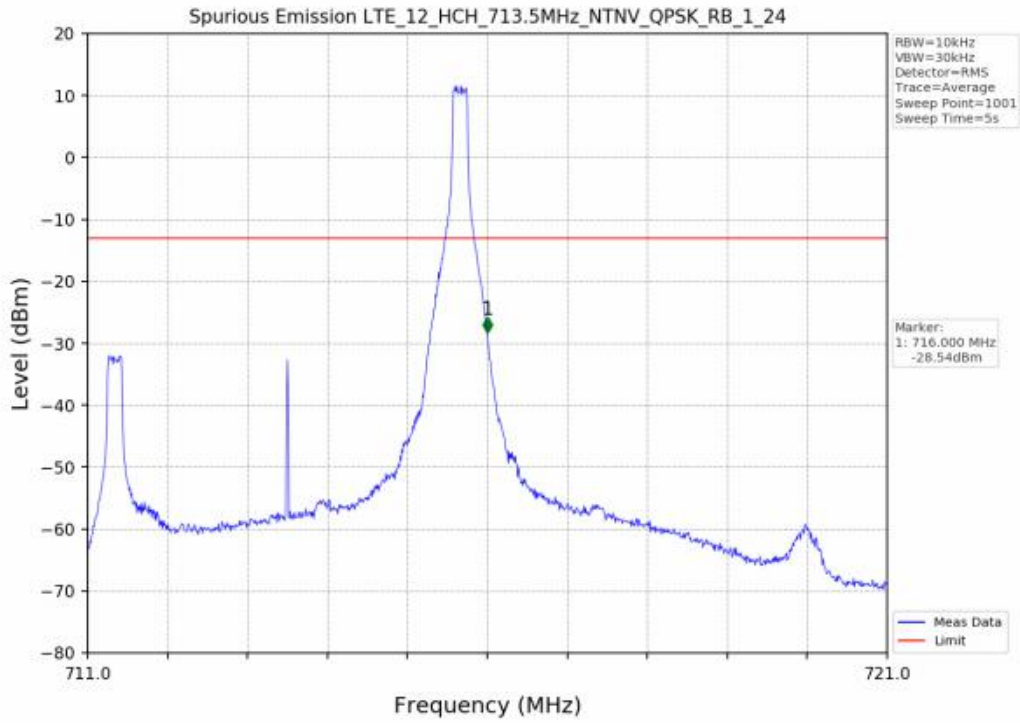




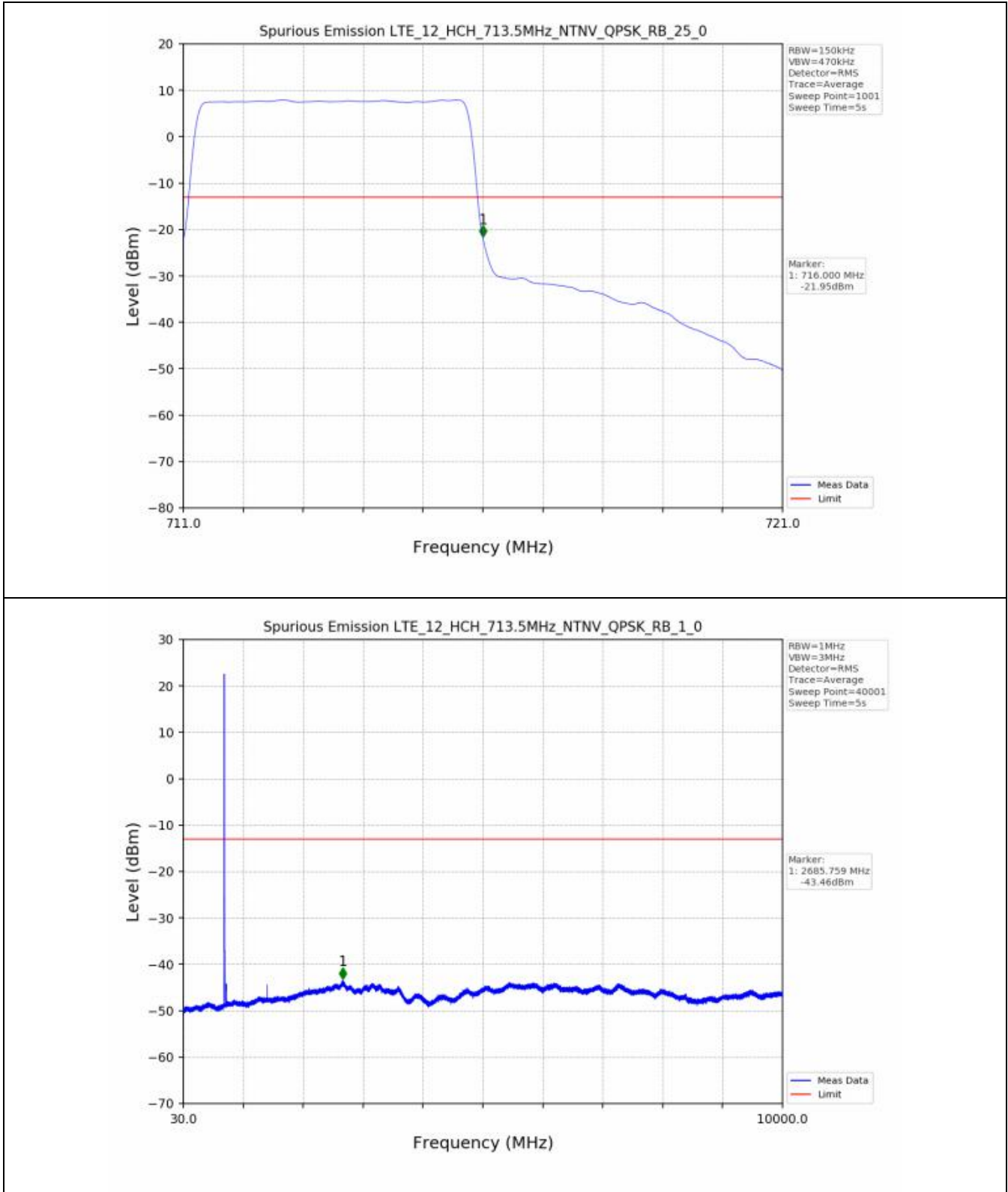












6.1 Test Graph

