

### 1. 99% & 26dB Bandwidth

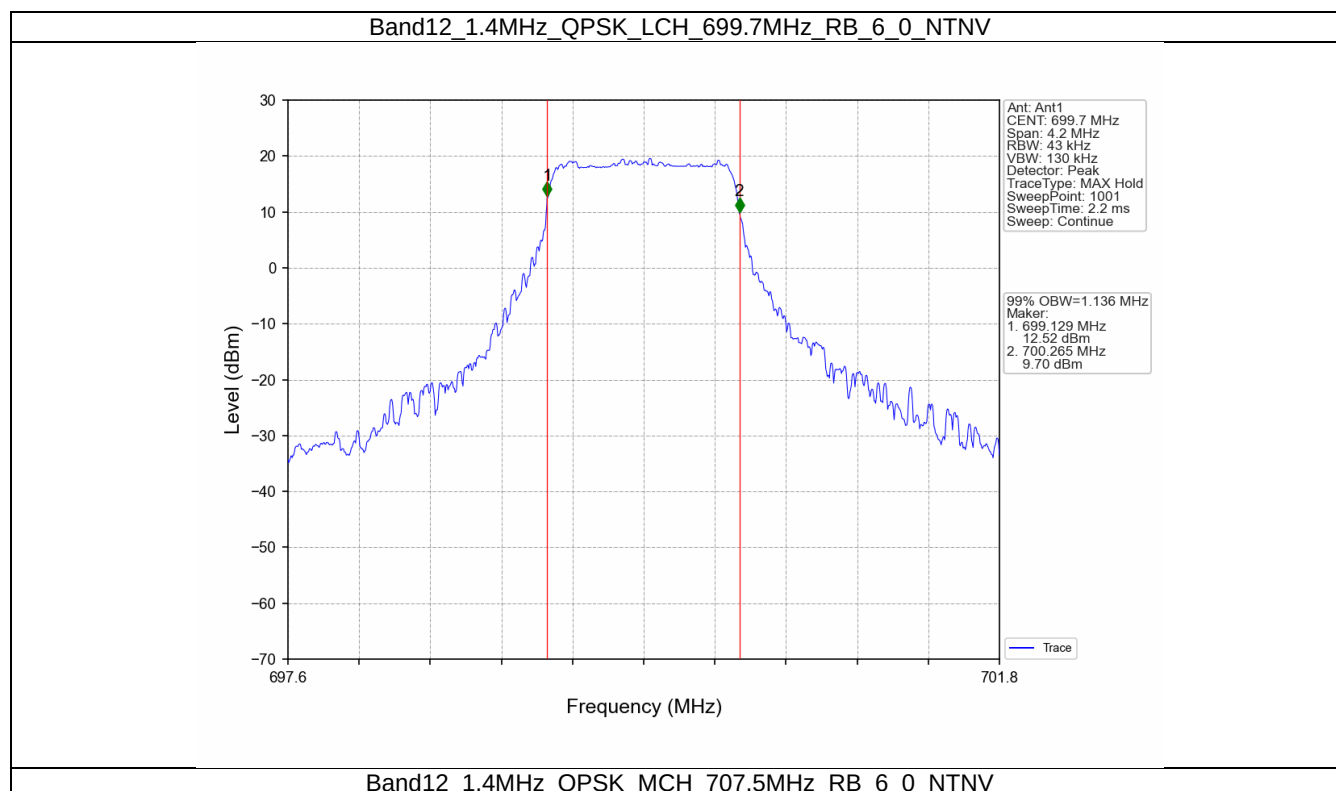
#### 1.1 Band12\_OBW

##### 1.1.1 Test Result

| Band: 12 / NTNV |            |                 |               |        |                              |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) | Verdict |
|                 |            |                 | Size          | Offset | Result                       |         |
| 1.4             | QPSK       | 699.7           | 6             | 0      | 1.136                        | Pass    |
|                 |            | 707.5           | 6             | 0      | 1.154                        | Pass    |
|                 |            | 715.3           | 6             | 0      | 1.140                        | Pass    |
|                 | 16QAM      | 699.7           | 6             | 0      | 1.151                        | Pass    |
|                 |            | 707.5           | 6             | 0      | 1.139                        | Pass    |
|                 |            | 715.3           | 6             | 0      | 1.150                        | Pass    |
| 3               | QPSK       | 700.5           | 15            | 0      | 2.779                        | Pass    |
|                 |            | 707.5           | 15            | 0      | 2.798                        | Pass    |
|                 |            | 714.5           | 15            | 0      | 2.762                        | Pass    |
|                 | 16QAM      | 700.5           | 15            | 0      | 2.790                        | Pass    |
|                 |            | 707.5           | 15            | 0      | 2.782                        | Pass    |
|                 |            | 714.5           | 15            | 0      | 2.772                        | Pass    |
| 5               | QPSK       | 701.5           | 25            | 0      | 4.611                        | Pass    |
|                 |            | 707.5           | 25            | 0      | 4.607                        | Pass    |
|                 |            | 713.5           | 25            | 0      | 4.547                        | Pass    |
|                 | 16QAM      | 701.5           | 25            | 0      | 4.594                        | Pass    |
|                 |            | 707.5           | 25            | 0      | 4.633                        | Pass    |
|                 |            | 713.5           | 25            | 0      | 4.565                        | Pass    |
| 10              | QPSK       | 704             | 50            | 0      | 9.039                        | Pass    |
|                 |            | 707.5           | 50            | 0      | 9.112                        | Pass    |
|                 |            | 711             | 50            | 0      | 9.070                        | Pass    |
|                 | 16QAM      | 704             | 50            | 0      | 9.081                        | Pass    |
|                 |            | 707.5           | 50            | 0      | 9.117                        | Pass    |
|                 |            | 711             | 50            | 0      | 9.053                        | Pass    |



### 1.1.2 Test Graph

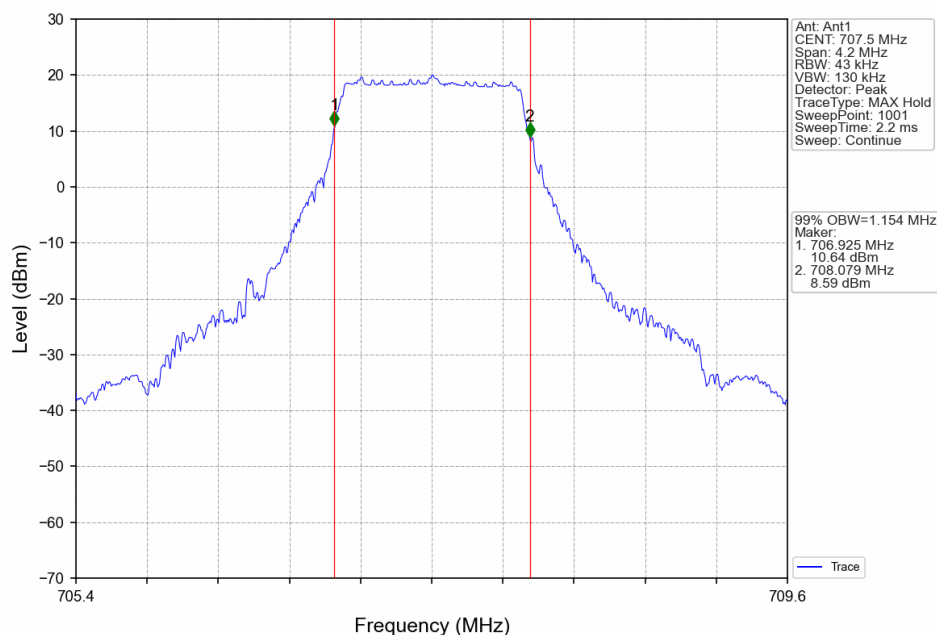


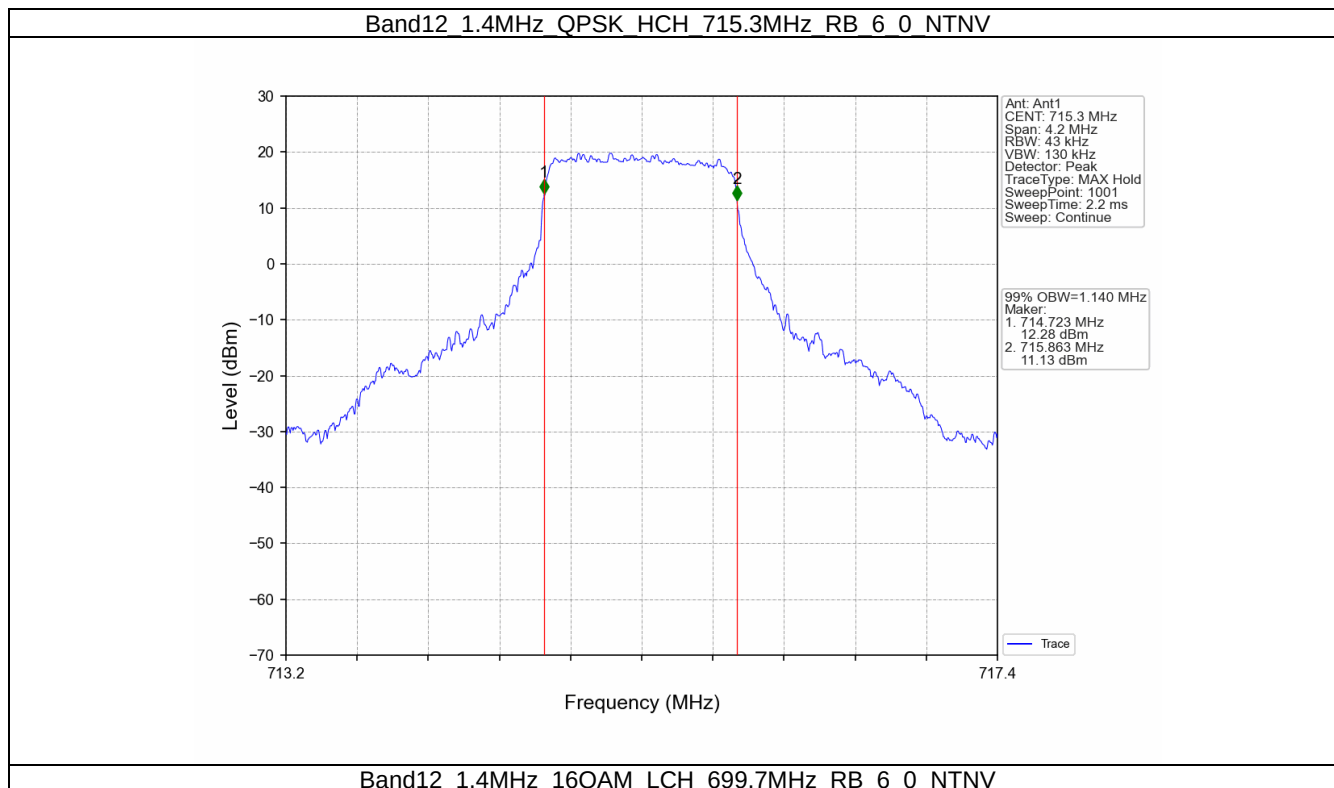
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Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTNV

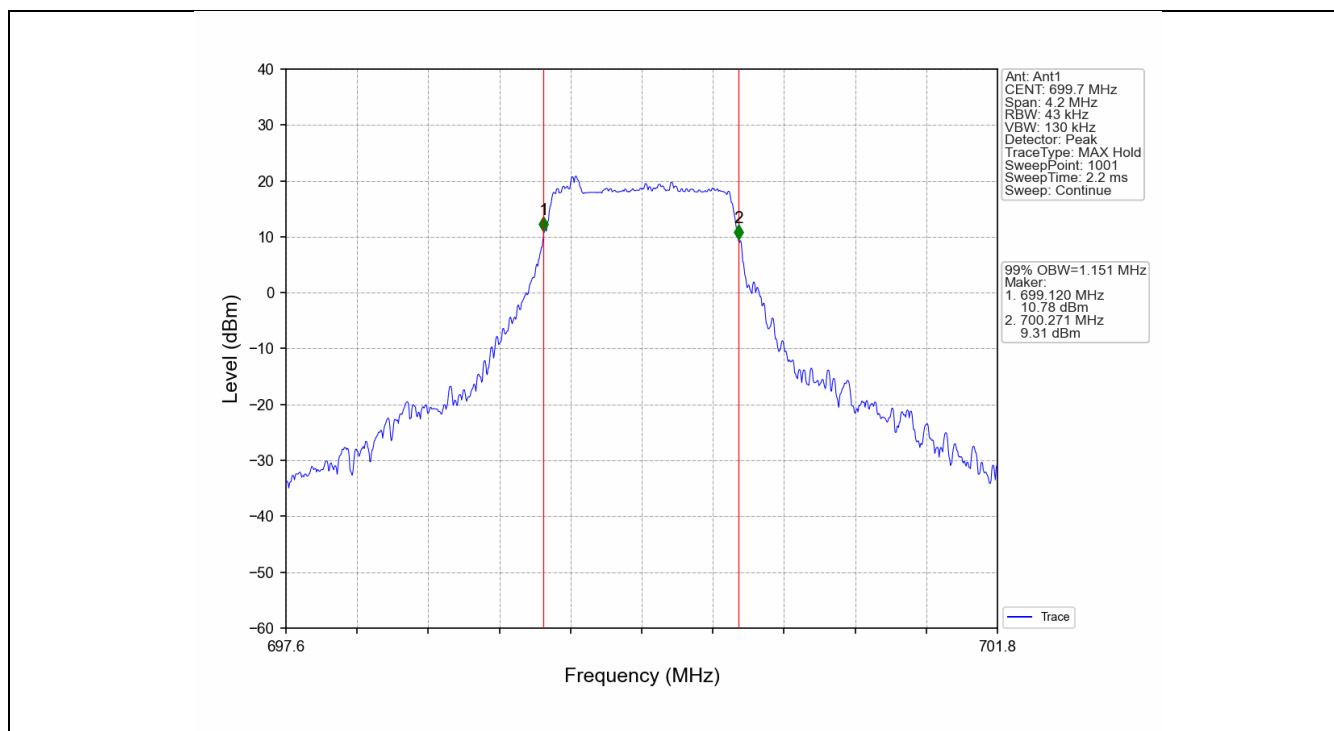


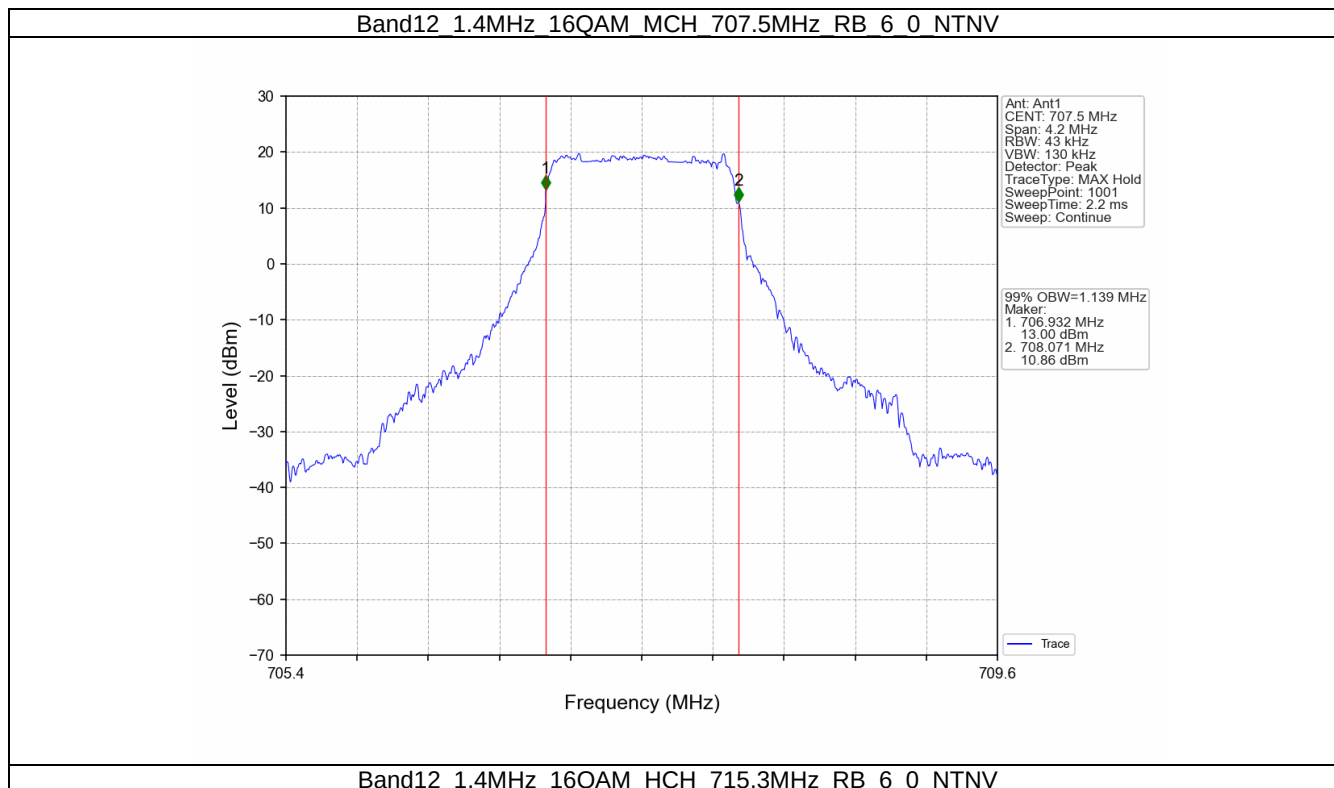
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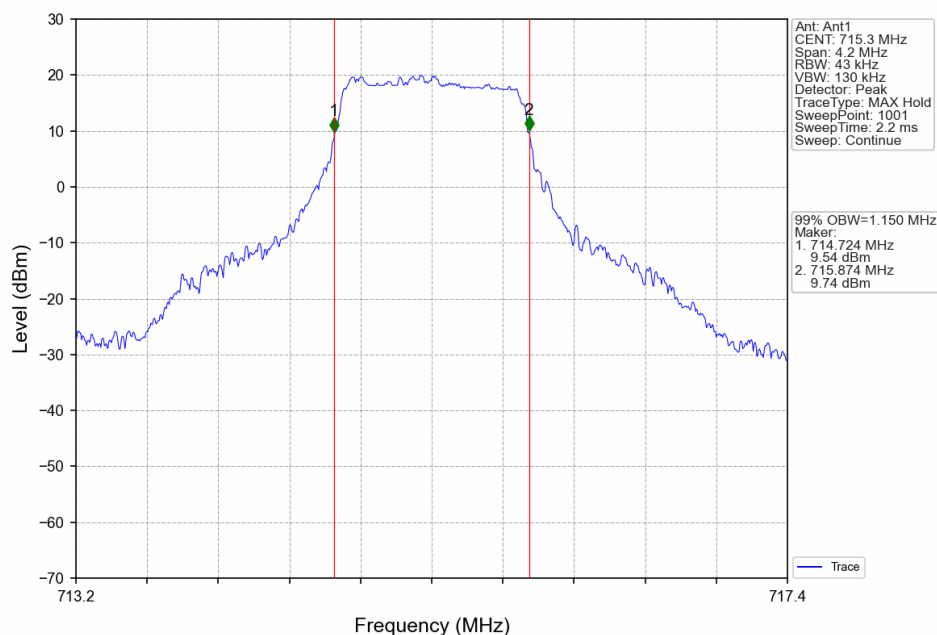
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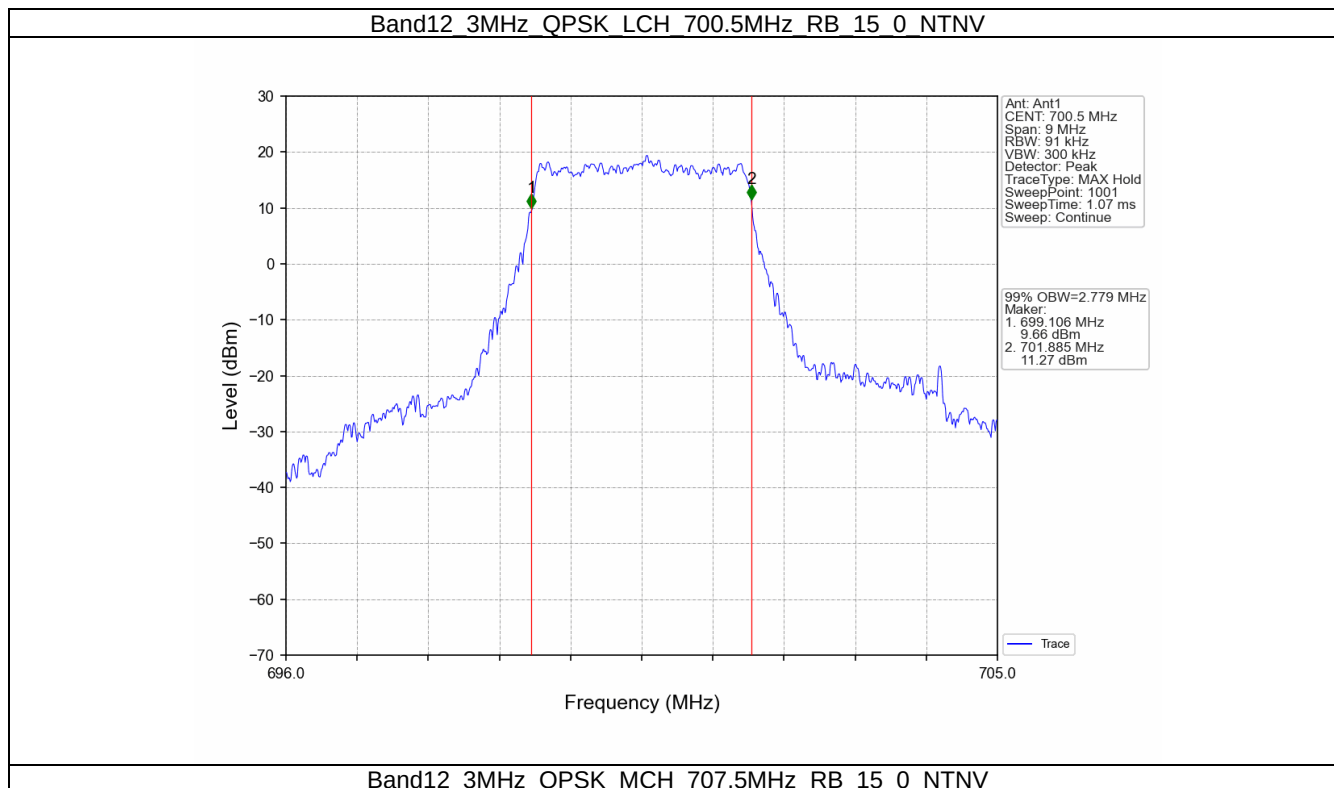
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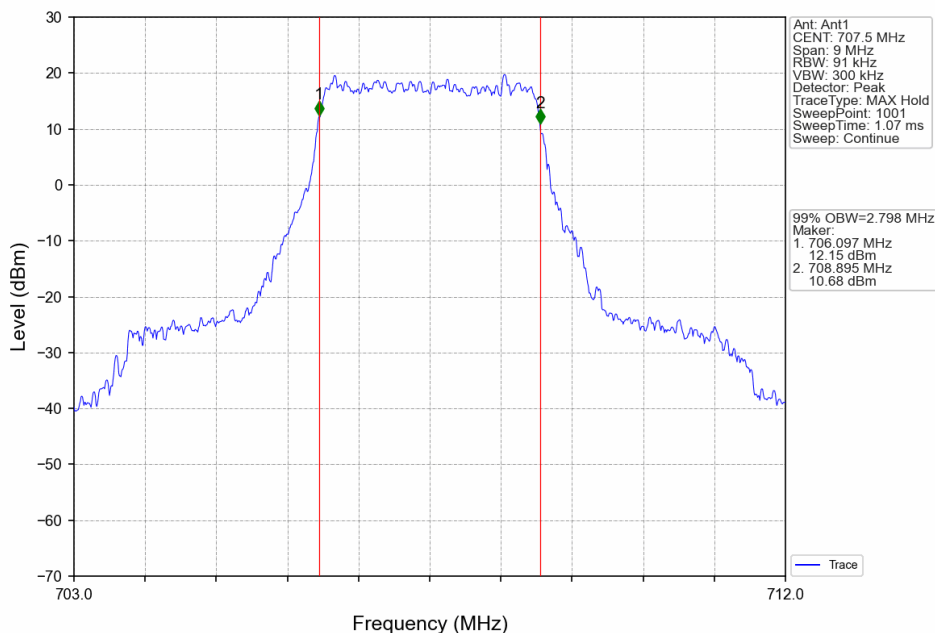
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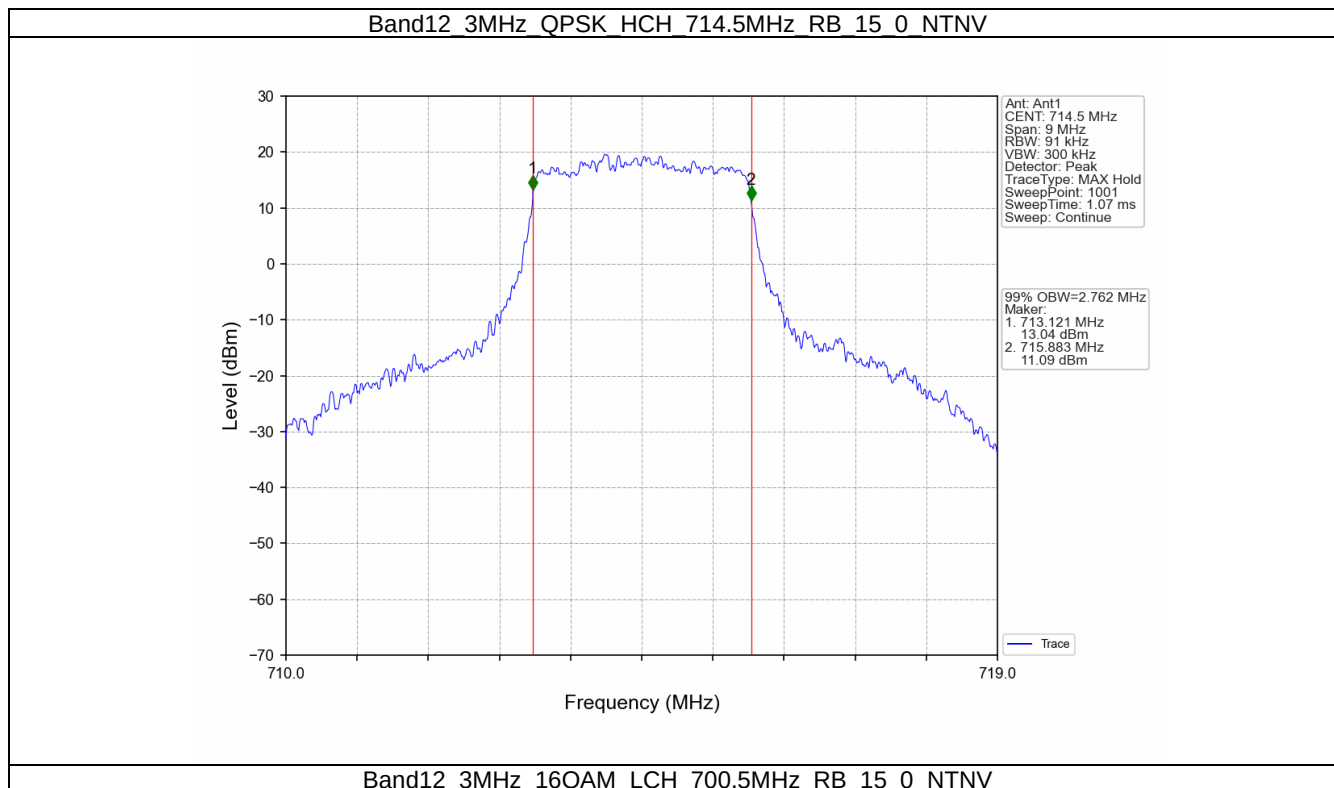


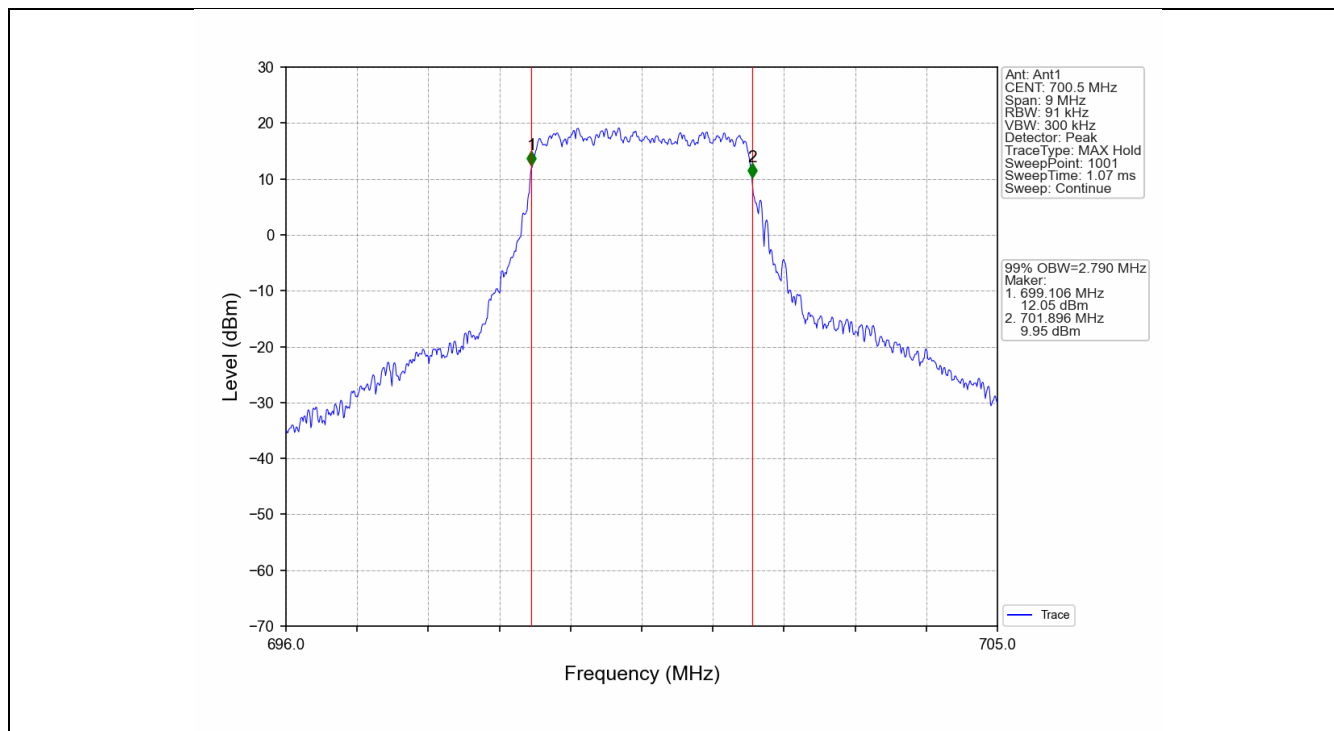


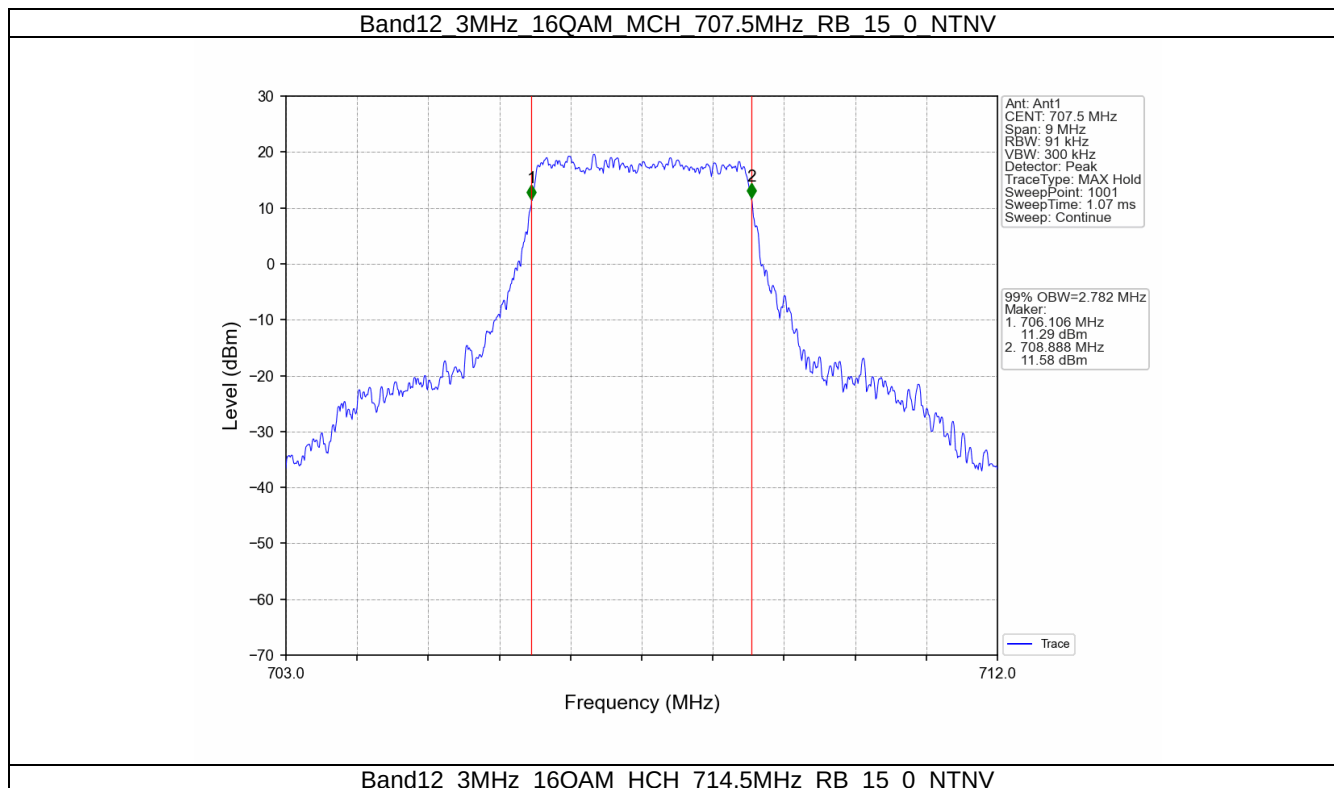


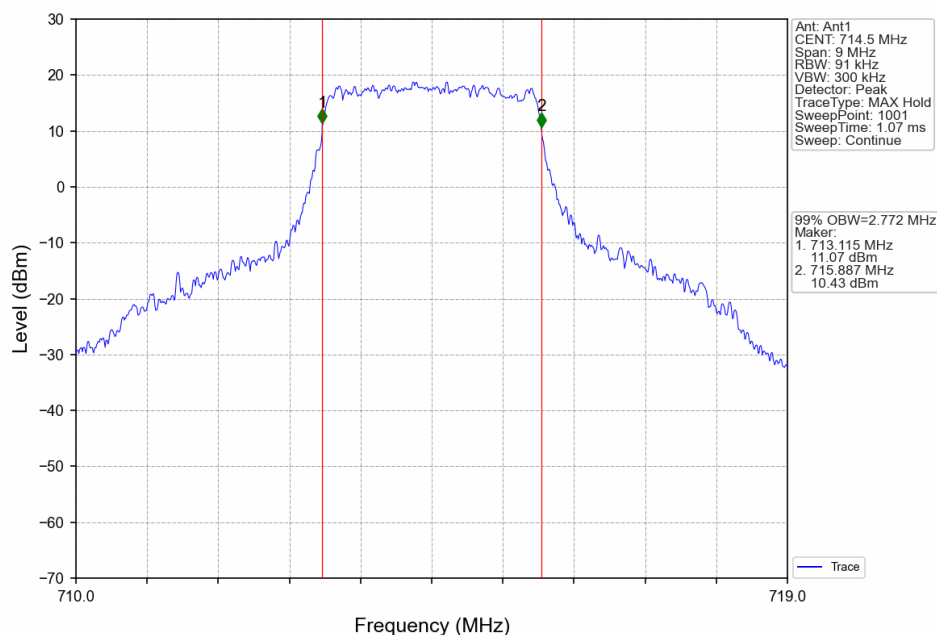


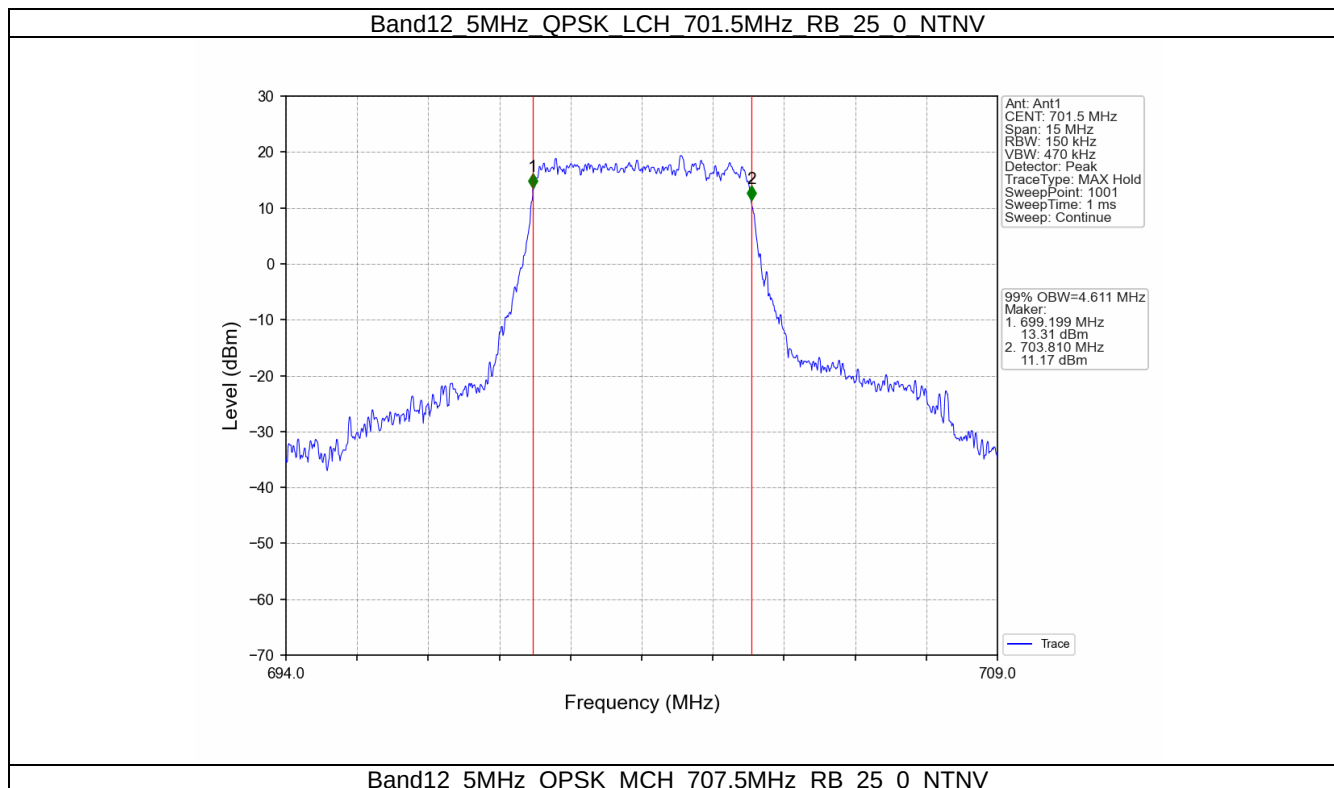


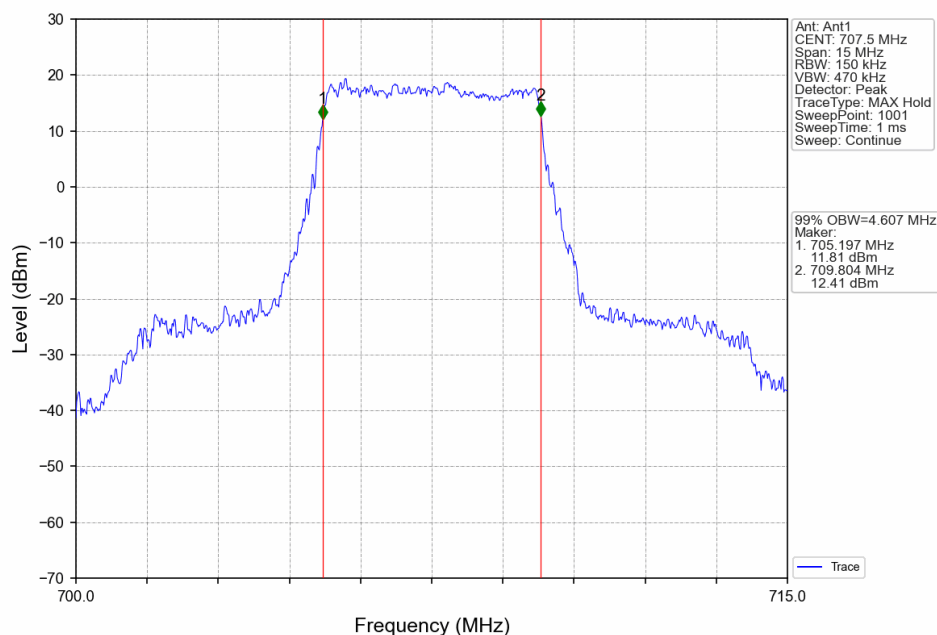


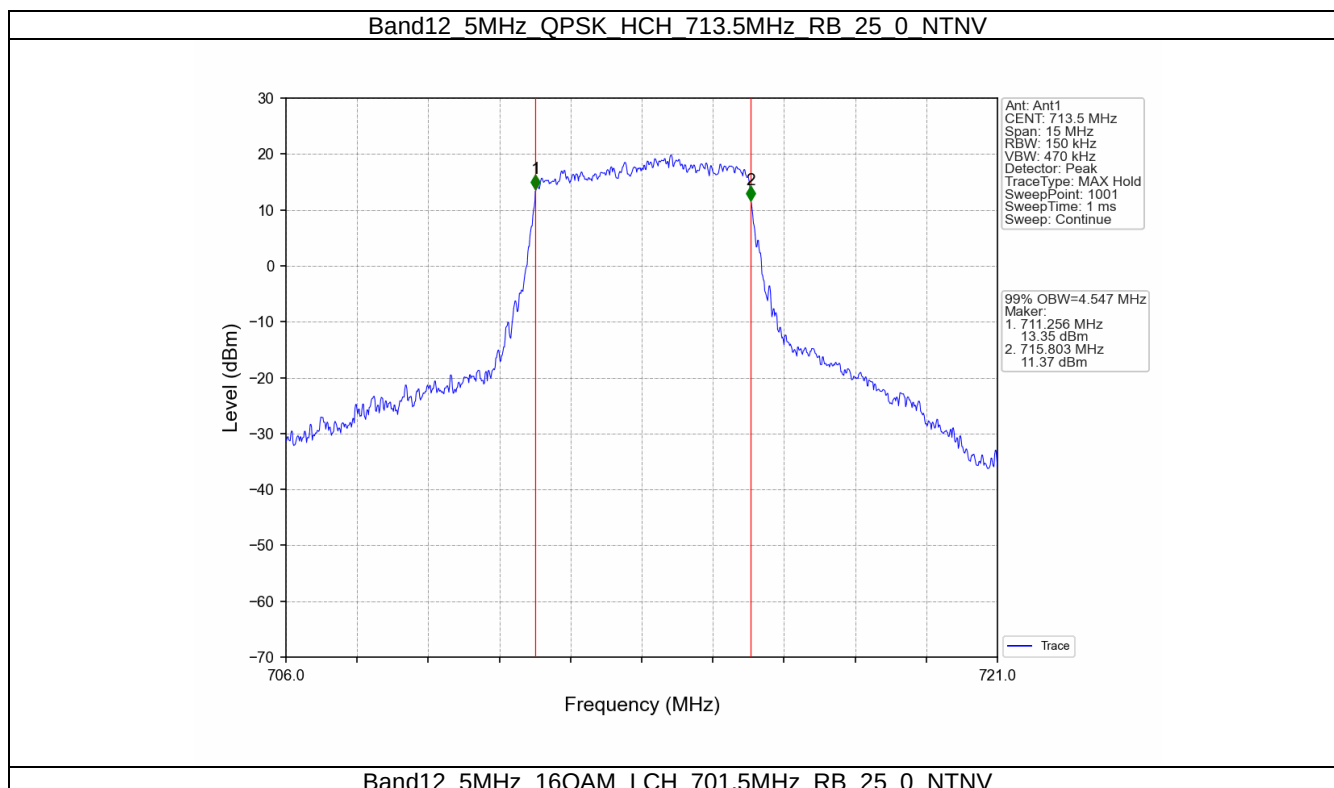












Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTNV

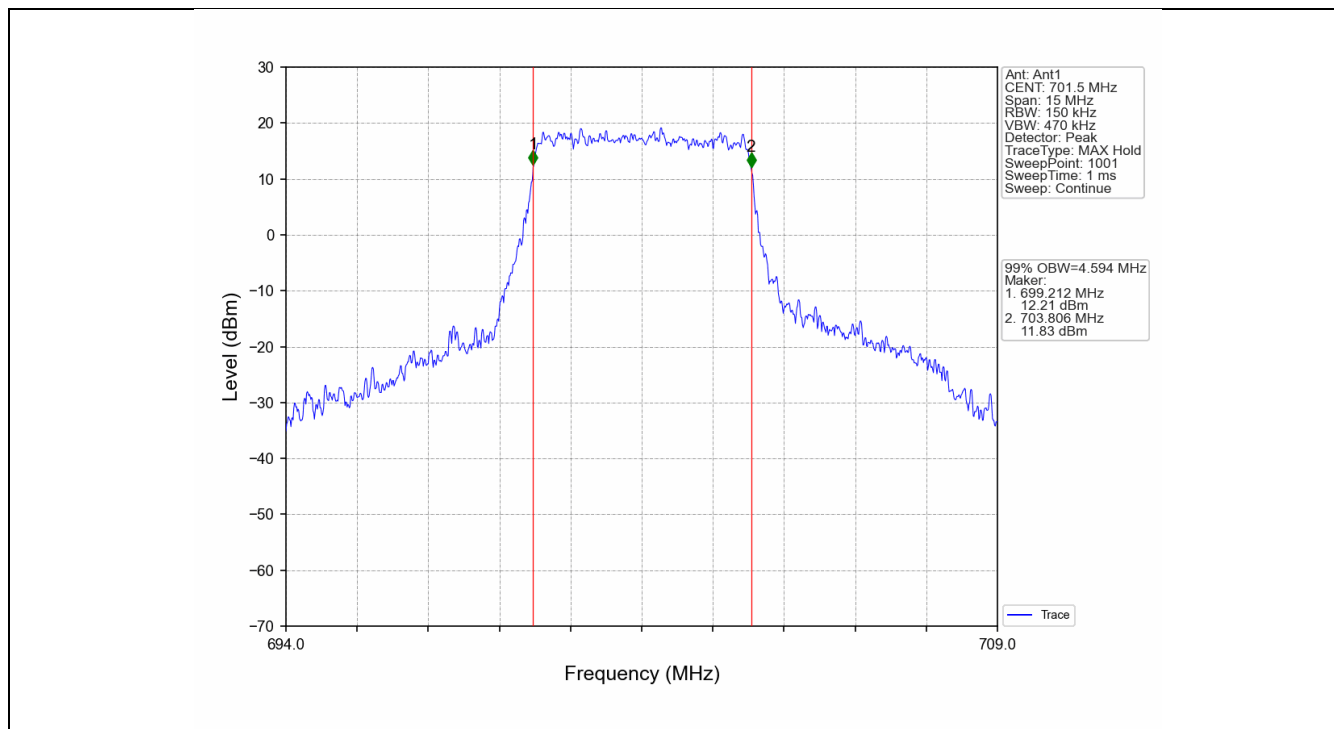


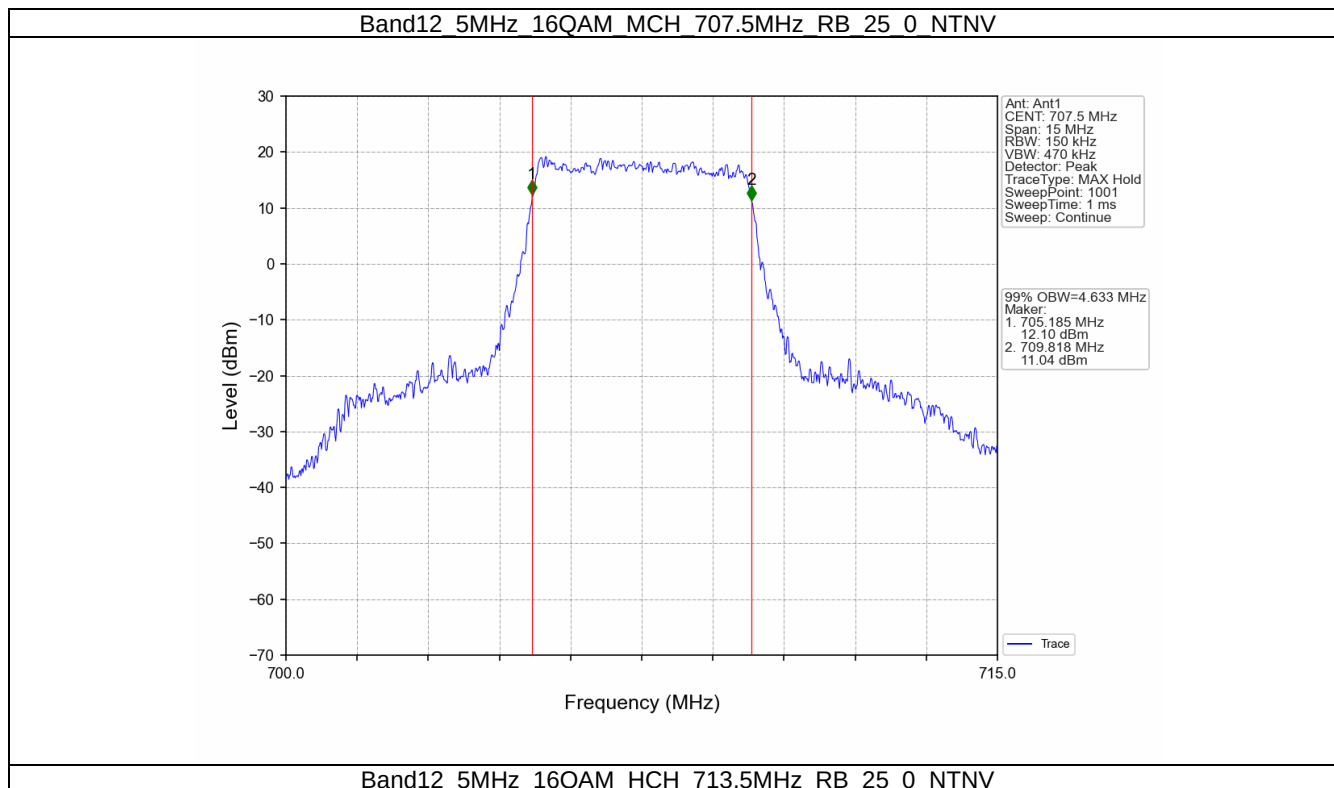
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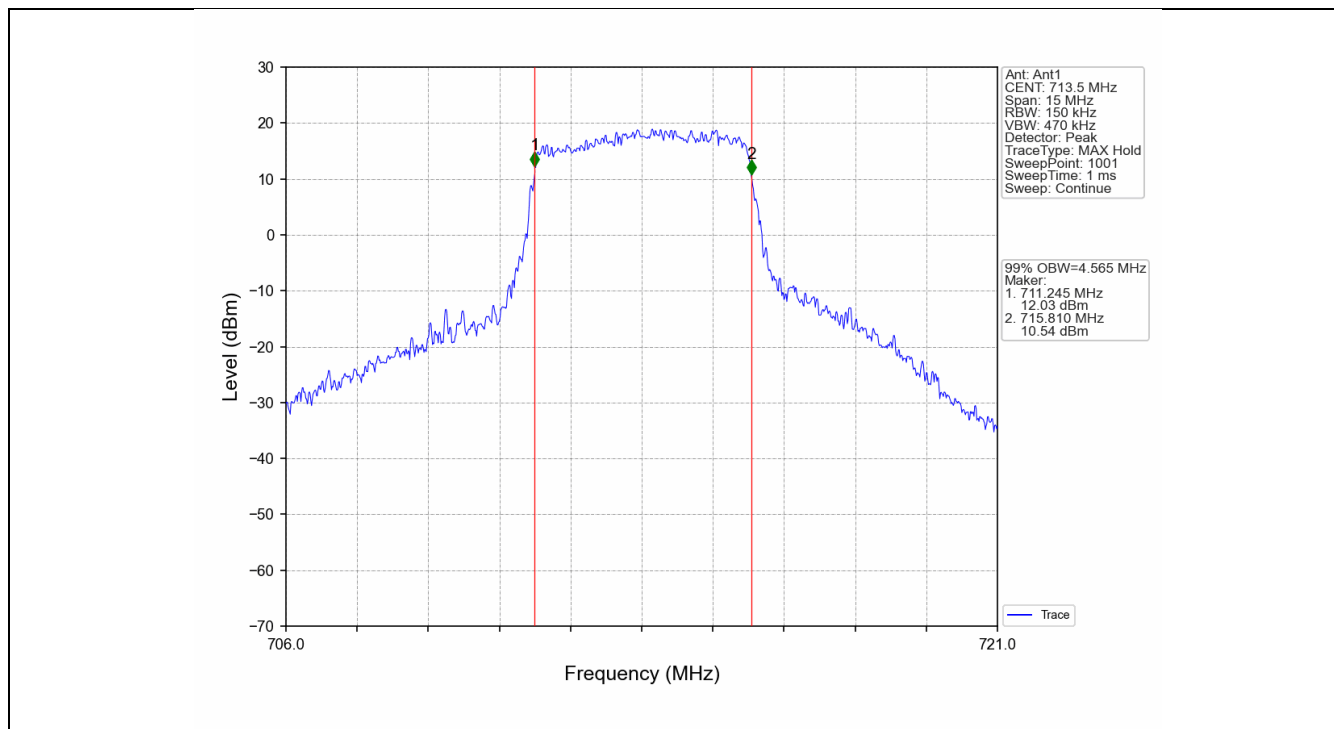
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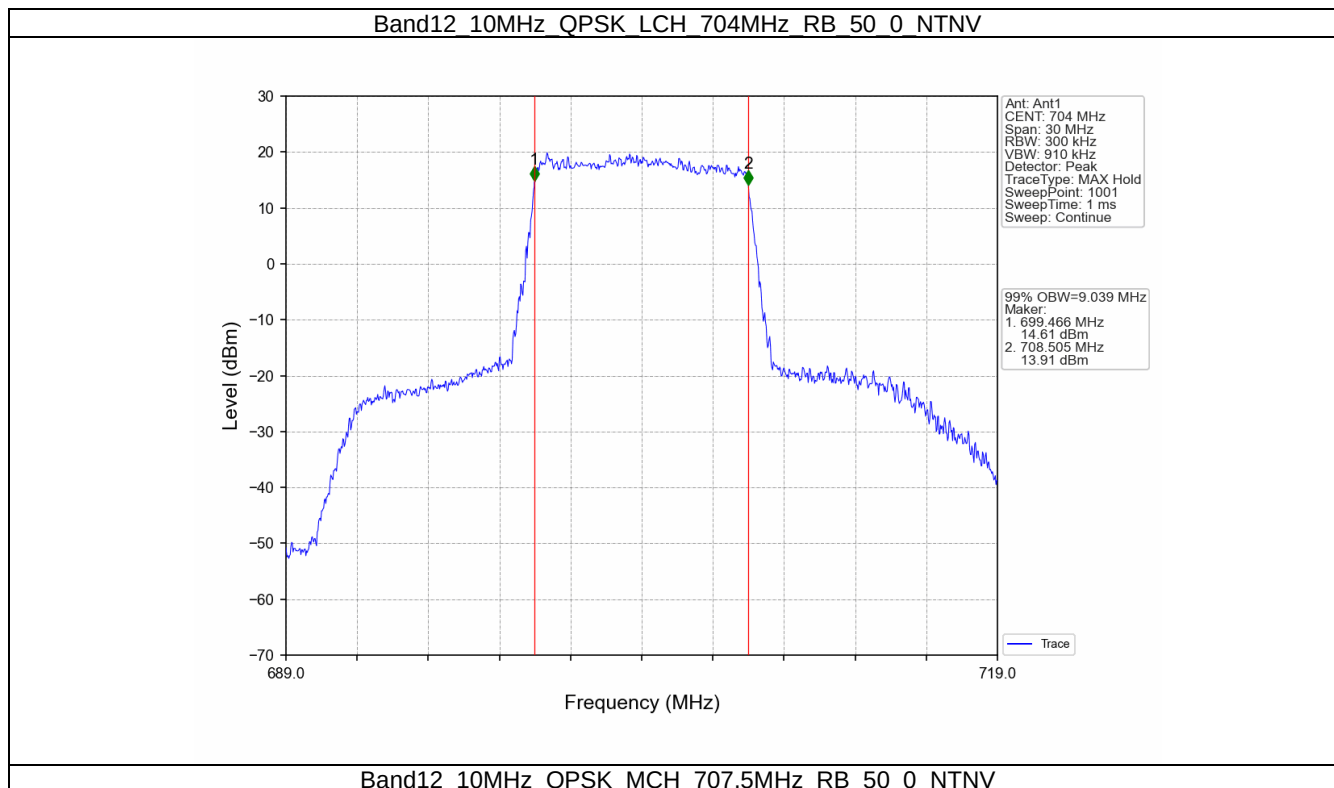
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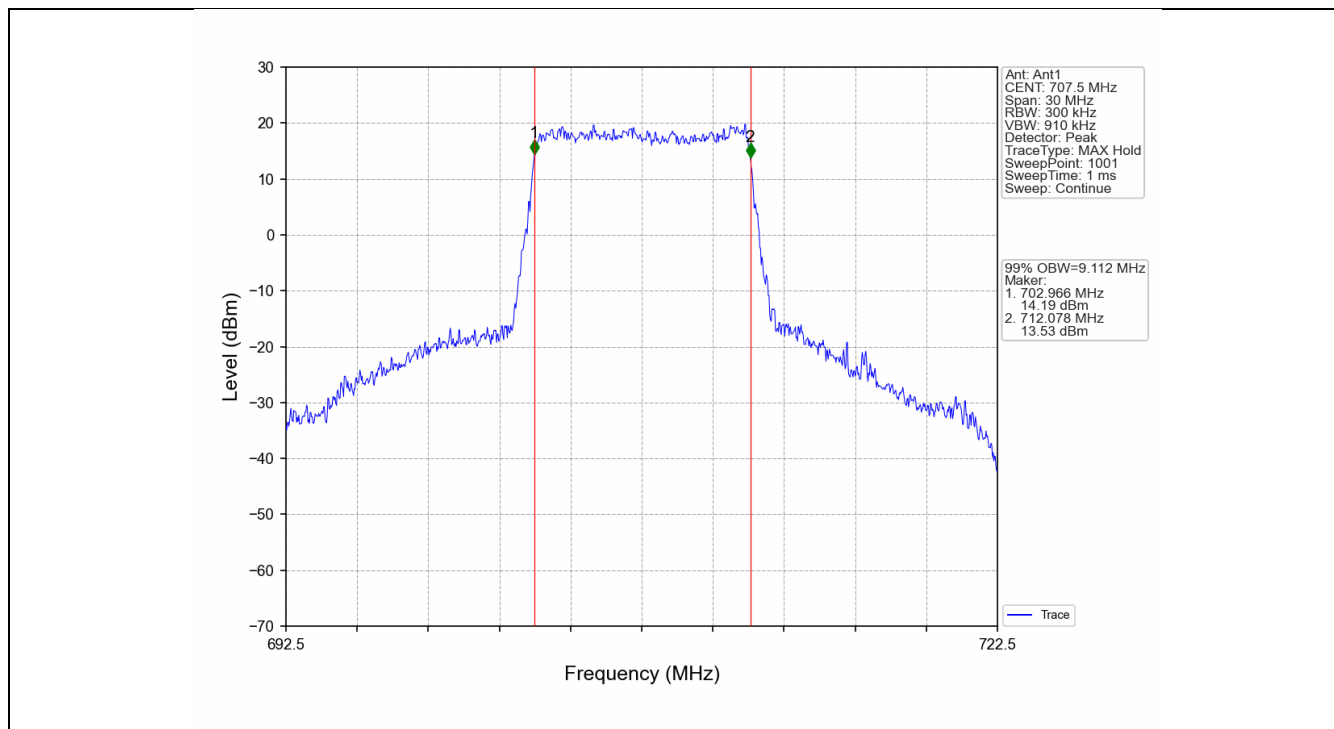
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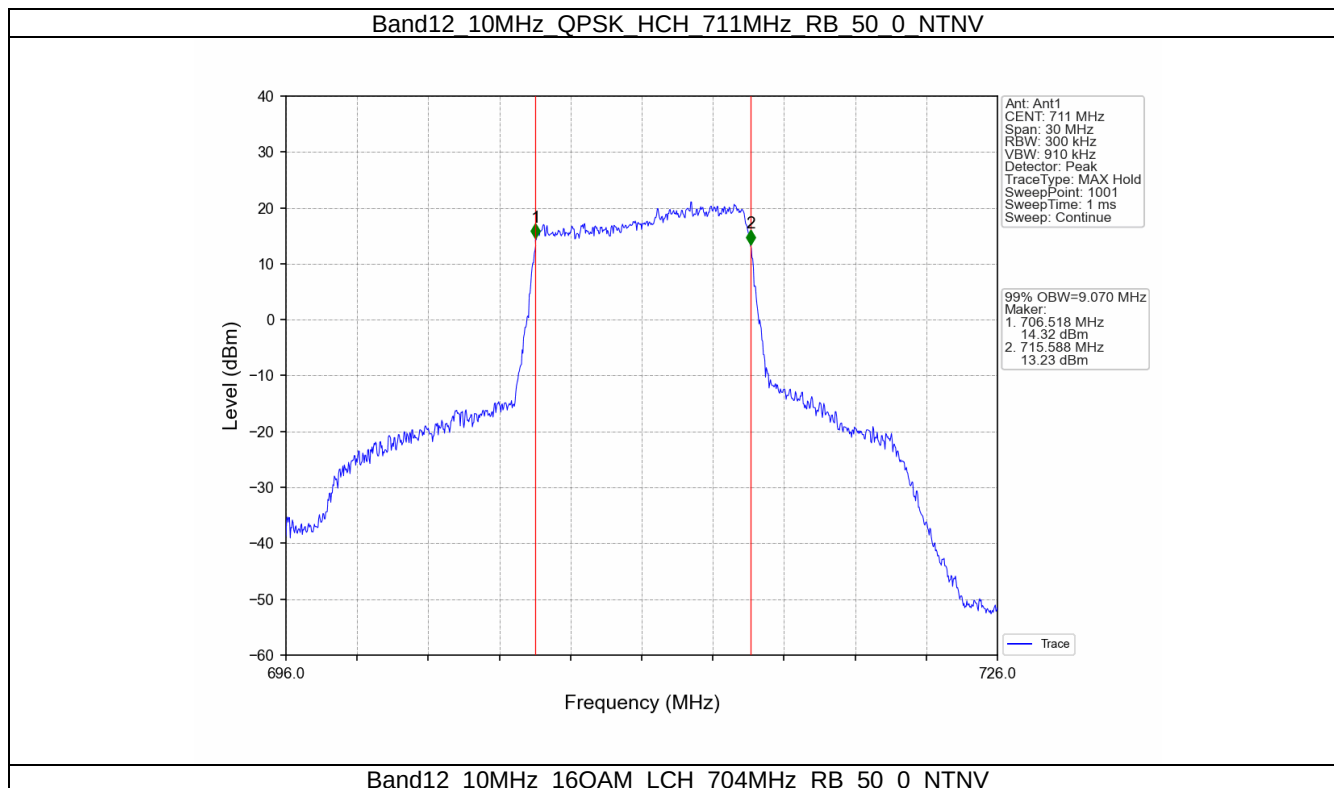


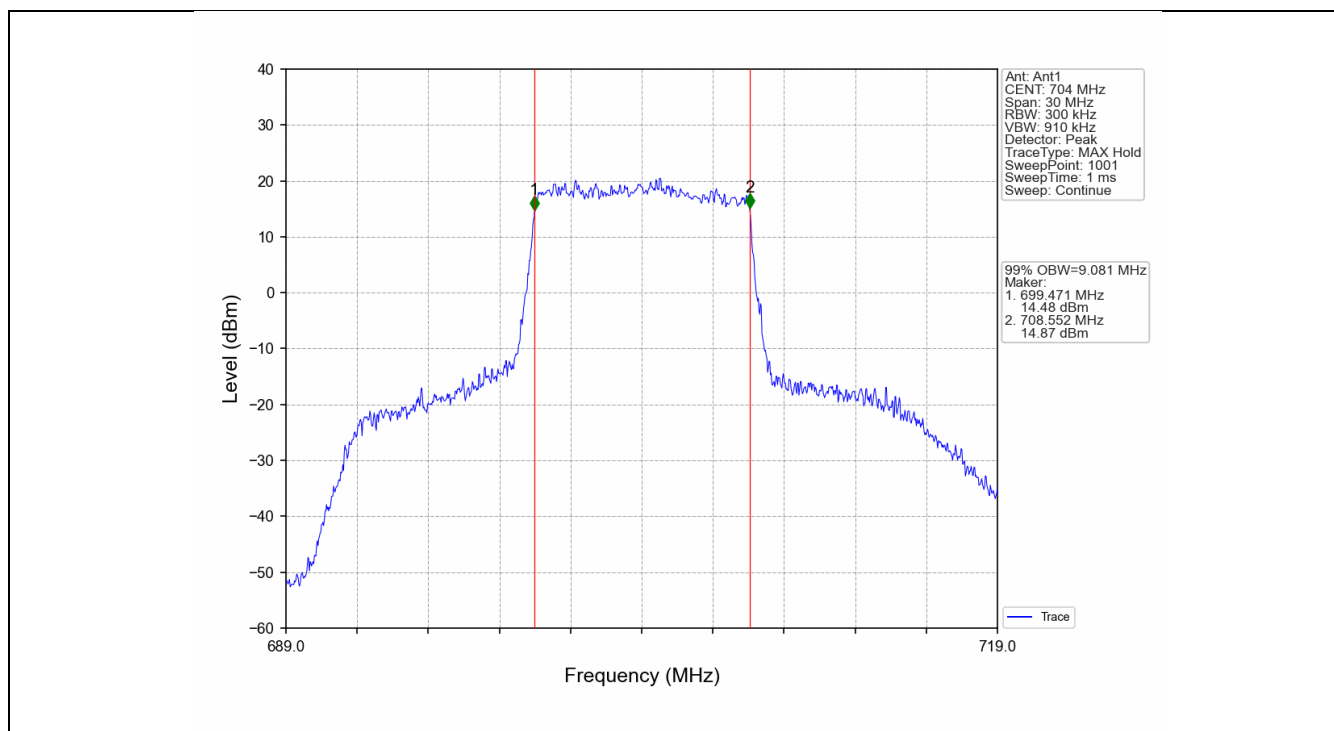
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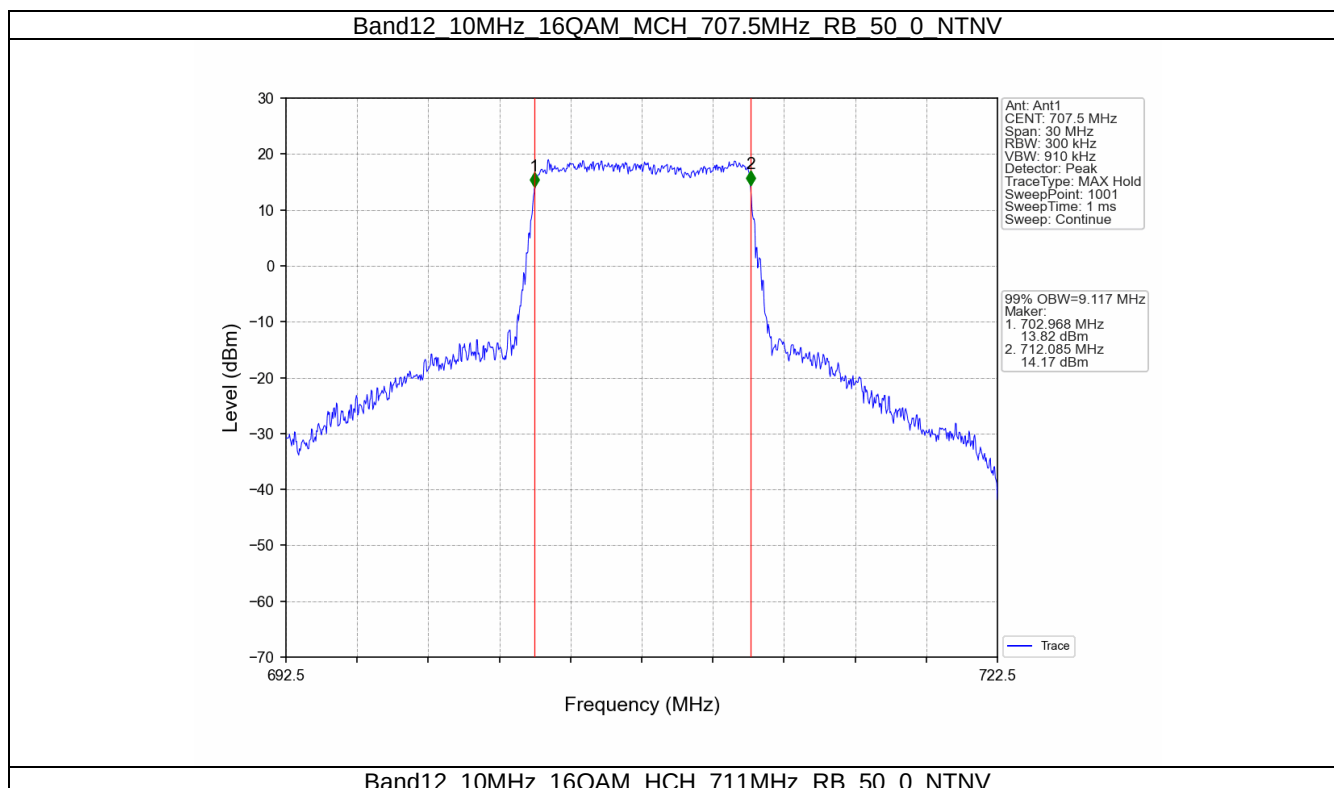
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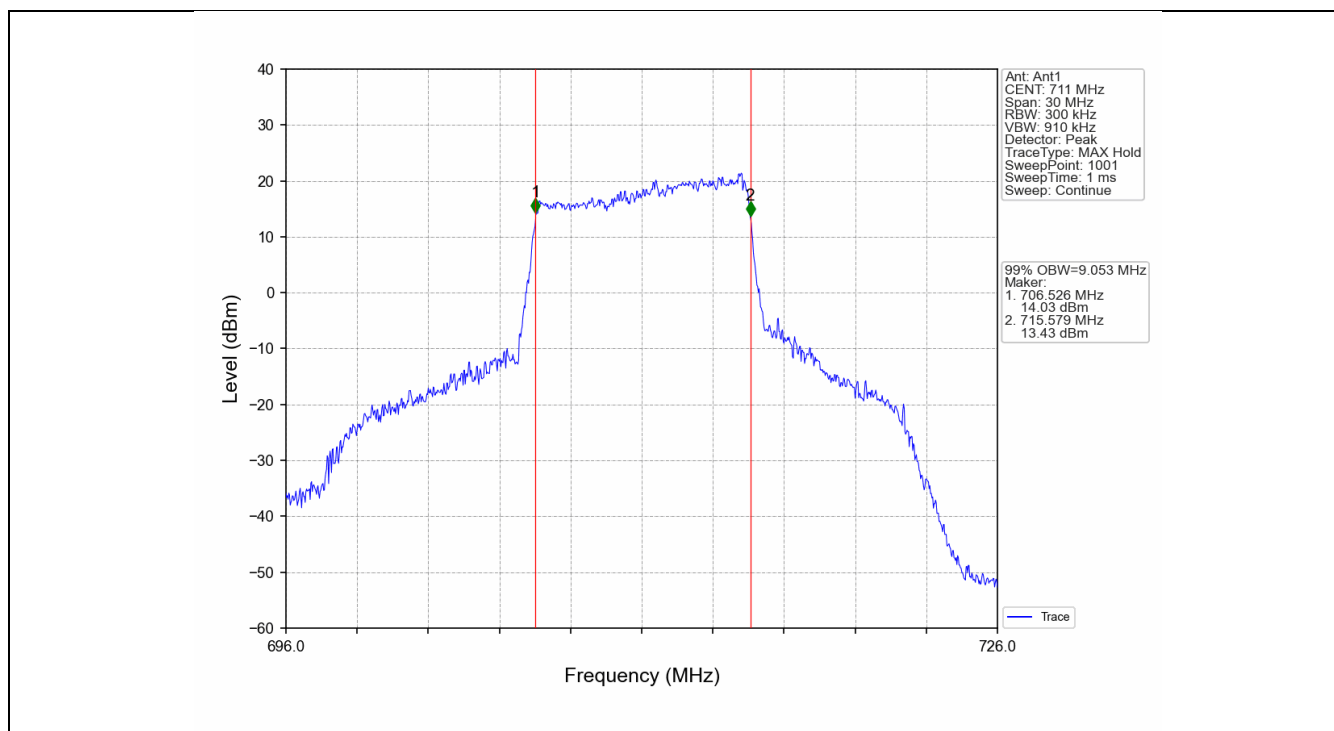
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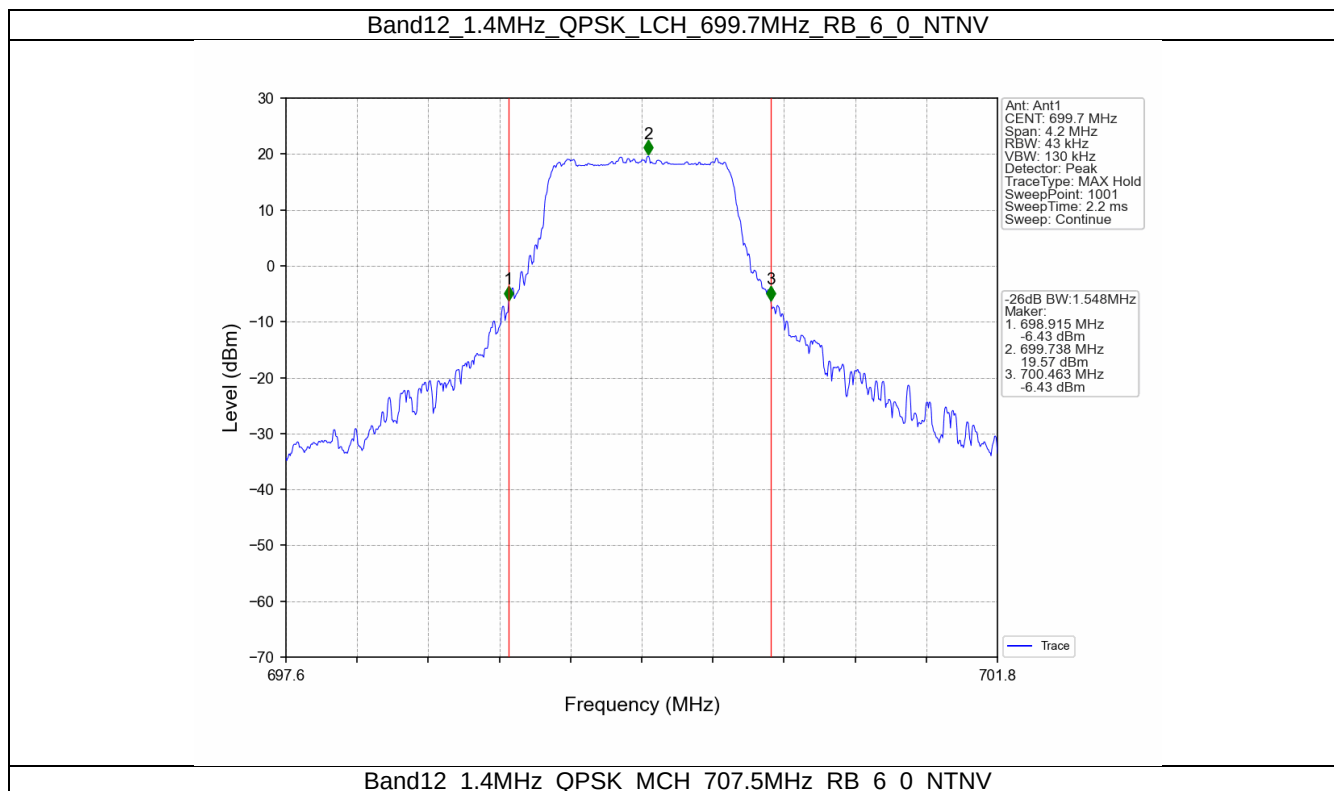
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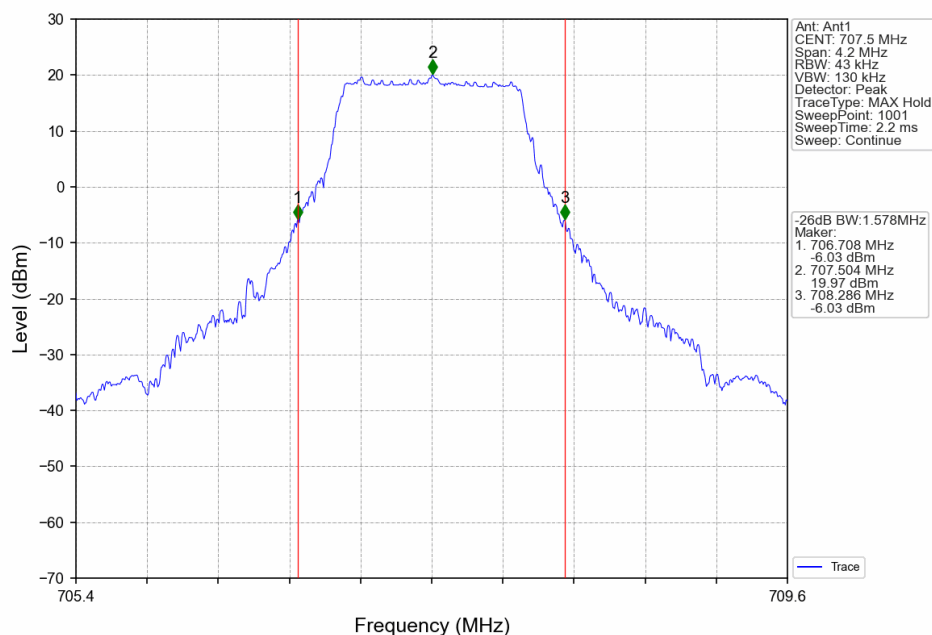
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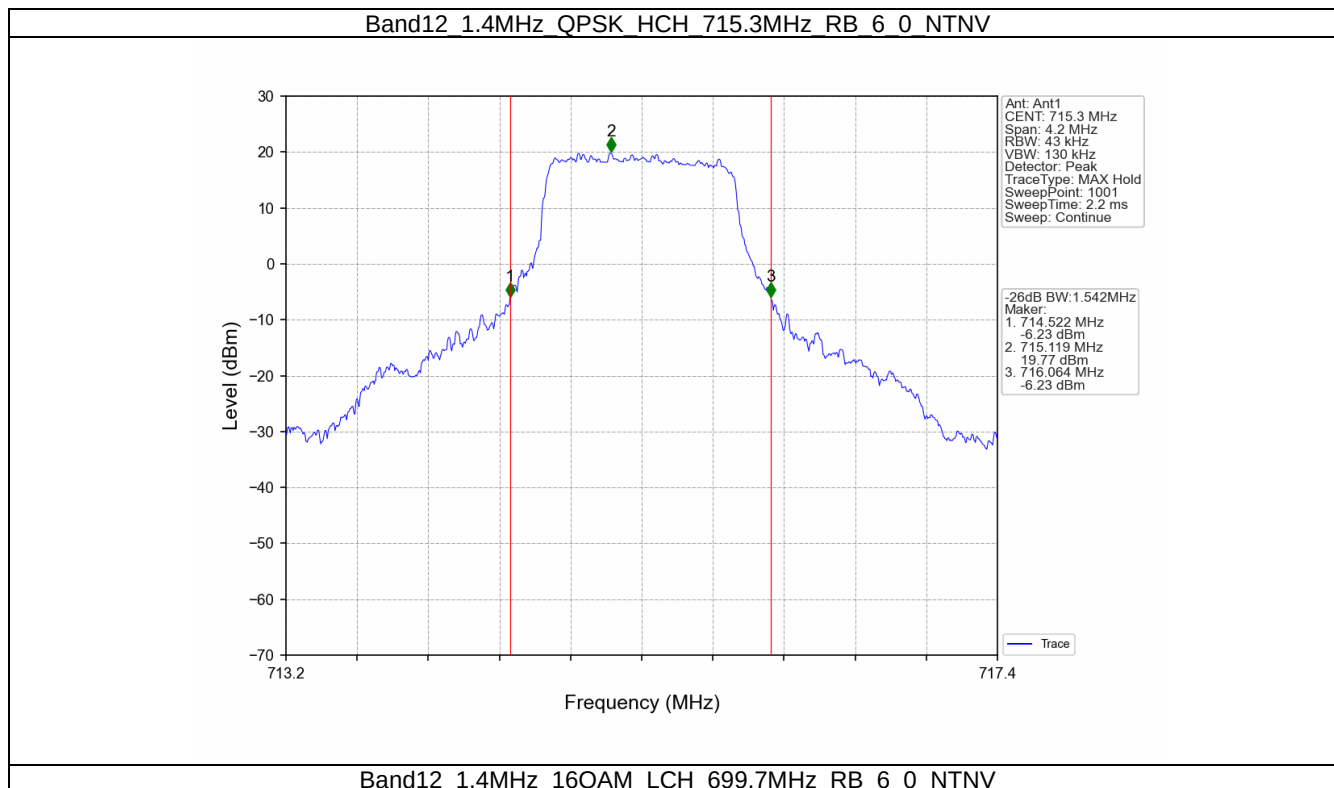
| Band: 12 / NTNV |            |                 |               |        |                      |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) | Verdict |
|                 |            |                 | Size          | Offset | Result               |         |
| 1.4             | QPSK       | 699.7           | 6             | 0      | 1.548                | Pass    |
|                 |            | 707.5           | 6             | 0      | 1.578                | Pass    |
|                 |            | 715.3           | 6             | 0      | 1.542                | Pass    |
|                 | 16QAM      | 699.7           | 6             | 0      | 1.562                | Pass    |
|                 |            | 707.5           | 6             | 0      | 1.560                | Pass    |
|                 |            | 715.3           | 6             | 0      | 1.572                | Pass    |
| 3               | QPSK       | 700.5           | 15            | 0      | 3.443                | Pass    |
|                 |            | 707.5           | 15            | 0      | 3.401                | Pass    |
|                 |            | 714.5           | 15            | 0      | 3.429                | Pass    |
|                 | 16QAM      | 700.5           | 15            | 0      | 3.607                | Pass    |
|                 |            | 707.5           | 15            | 0      | 3.524                | Pass    |
|                 |            | 714.5           | 15            | 0      | 3.574                | Pass    |
| 5               | QPSK       | 701.5           | 25            | 0      | 5.486                | Pass    |
|                 |            | 707.5           | 25            | 0      | 5.458                | Pass    |
|                 |            | 713.5           | 25            | 0      | 5.314                | Pass    |
|                 | 16QAM      | 701.5           | 25            | 0      | 5.428                | Pass    |
|                 |            | 707.5           | 25            | 0      | 5.512                | Pass    |
|                 |            | 713.5           | 25            | 0      | 5.403                | Pass    |
| 10              | QPSK       | 704             | 50            | 0      | 10.228               | Pass    |
|                 |            | 707.5           | 50            | 0      | 10.223               | Pass    |
|                 |            | 711             | 50            | 0      | 10.117               | Pass    |
|                 | 16QAM      | 704             | 50            | 0      | 10.170               | Pass    |
|                 |            | 707.5           | 50            | 0      | 10.264               | Pass    |
|                 |            | 711             | 50            | 0      | 10.775               | Pass    |

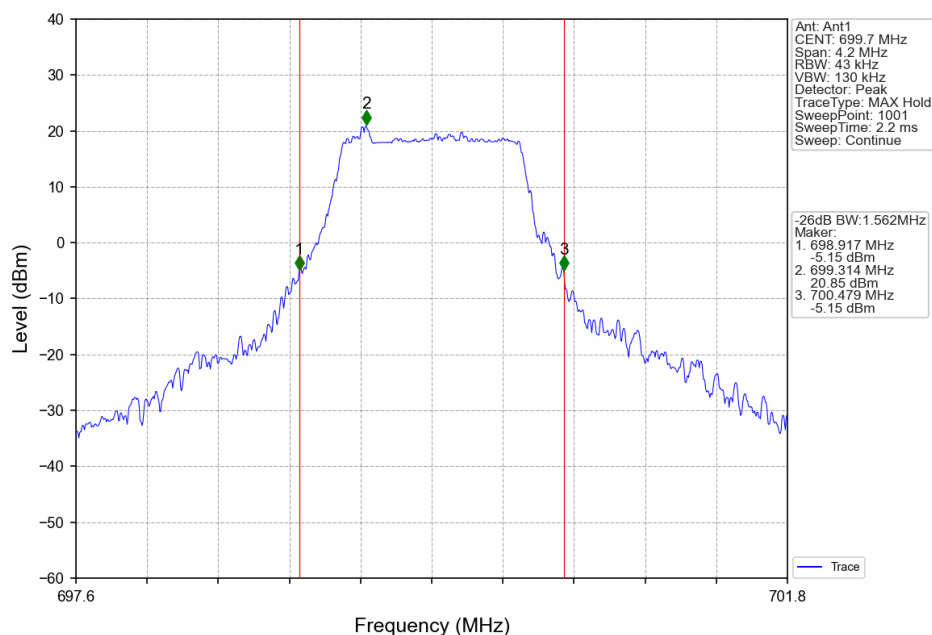


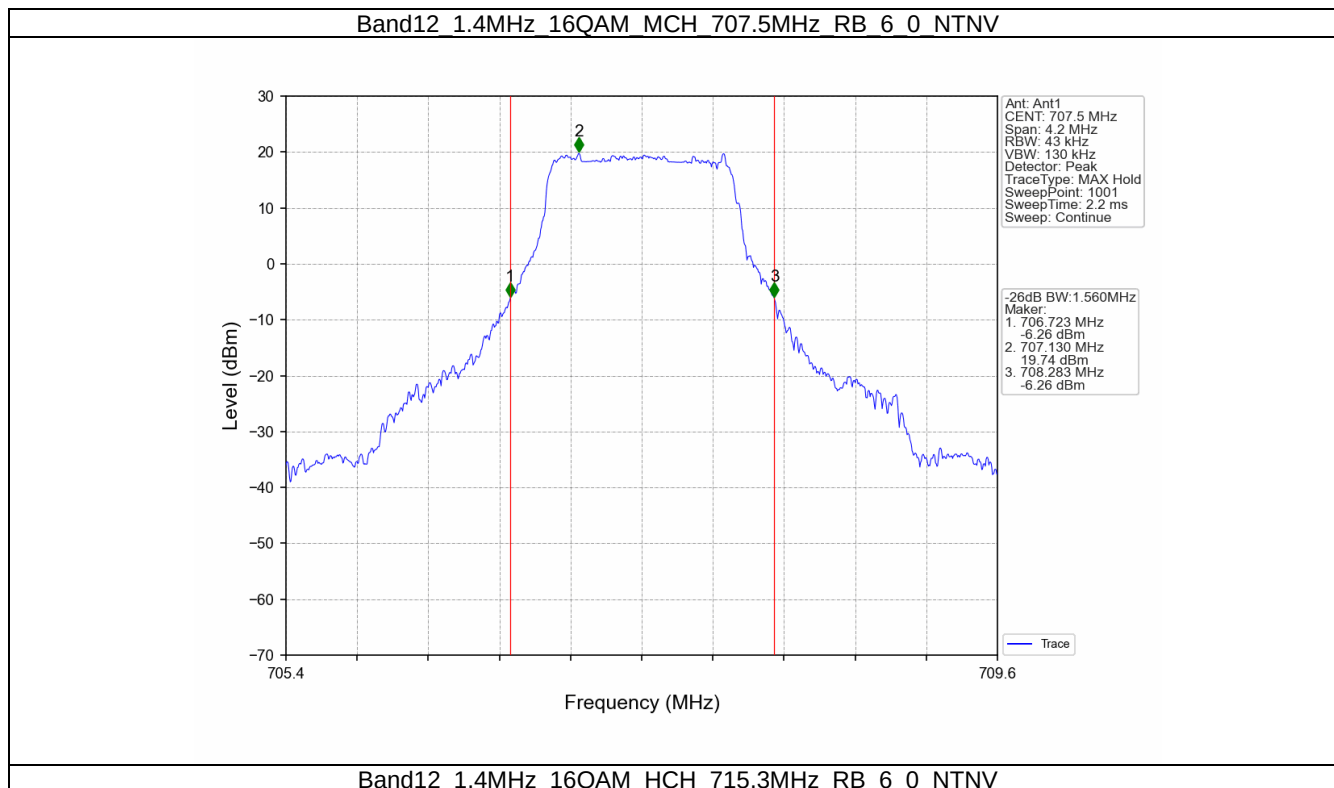
### 1.2.2 Test Graph

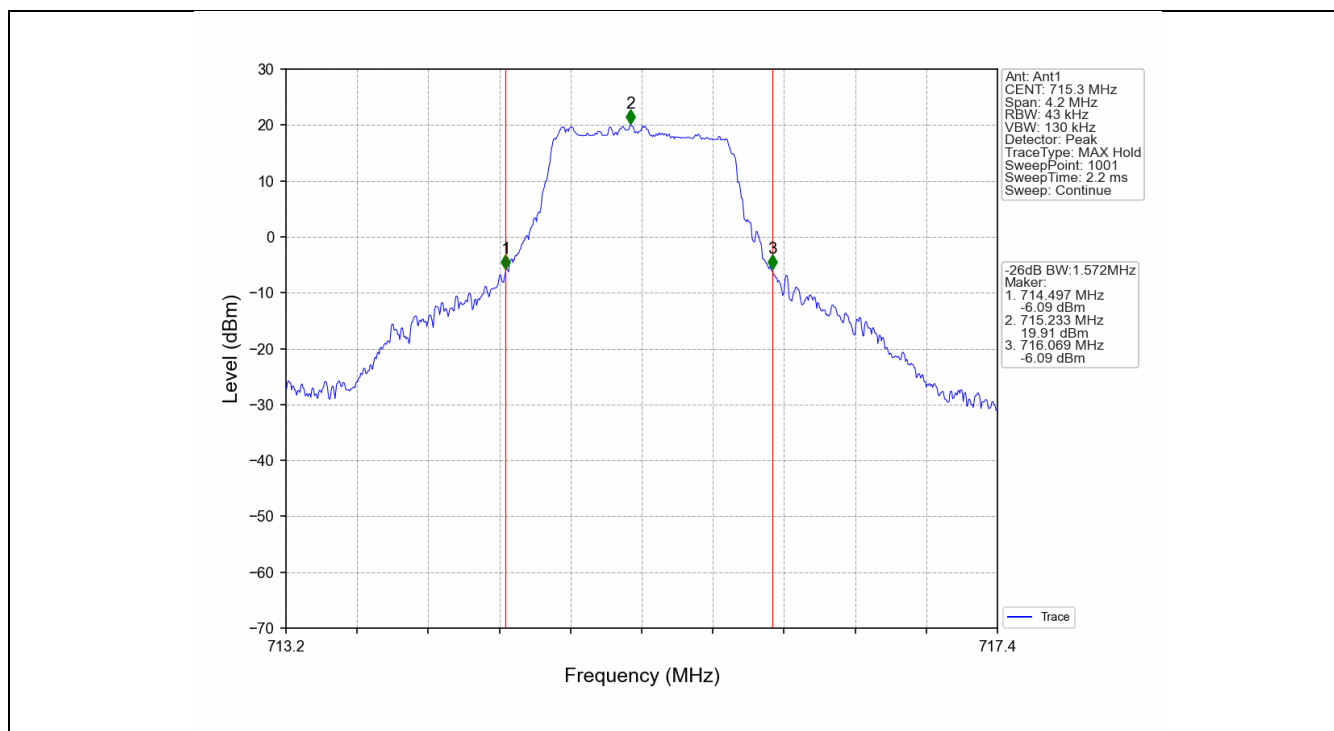


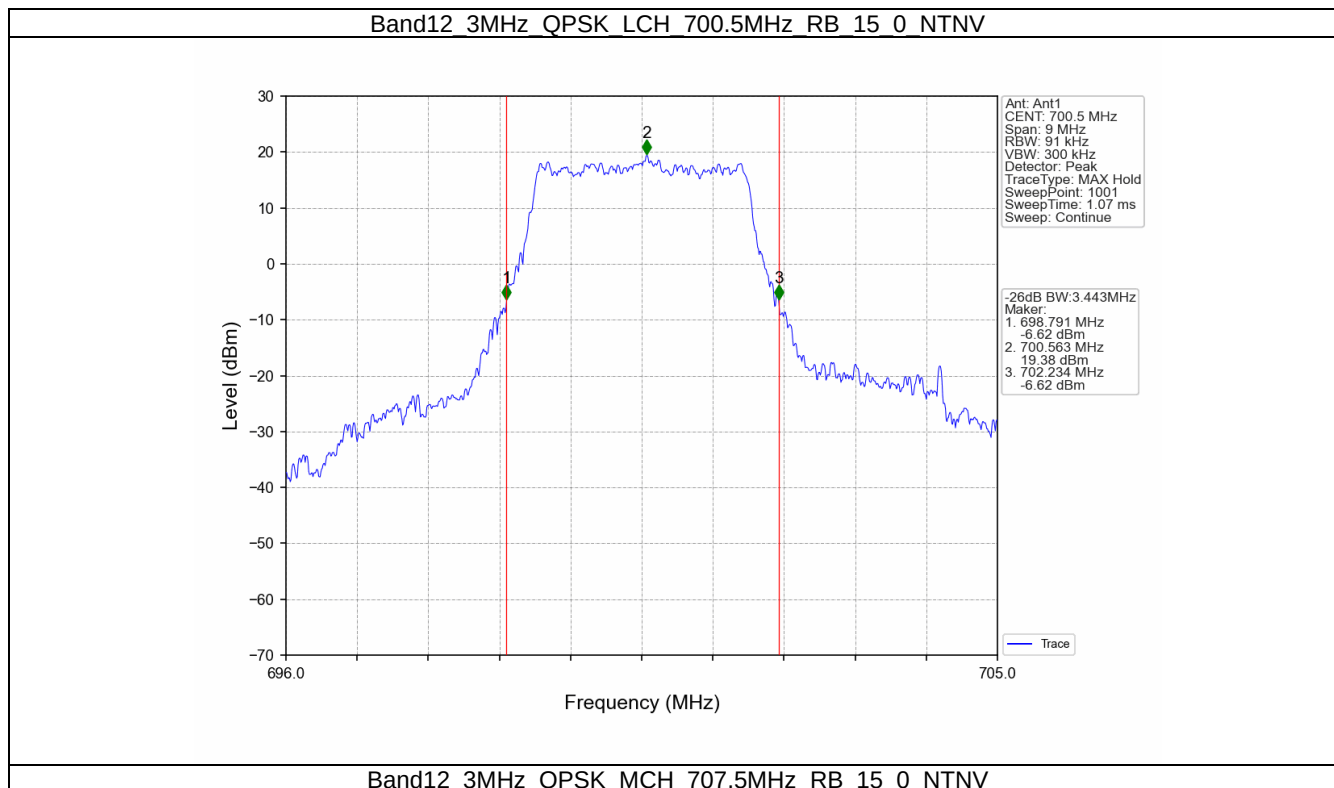


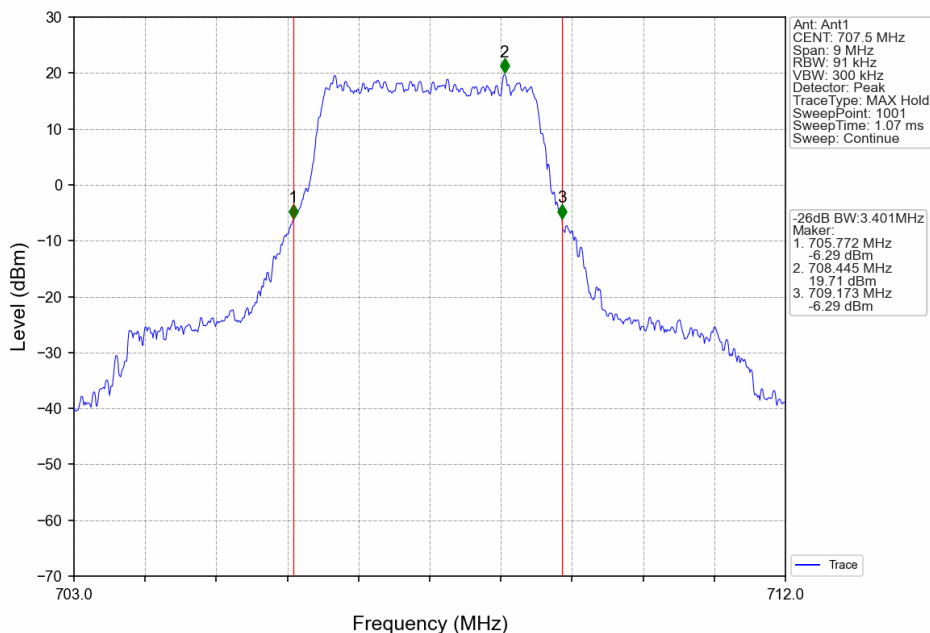


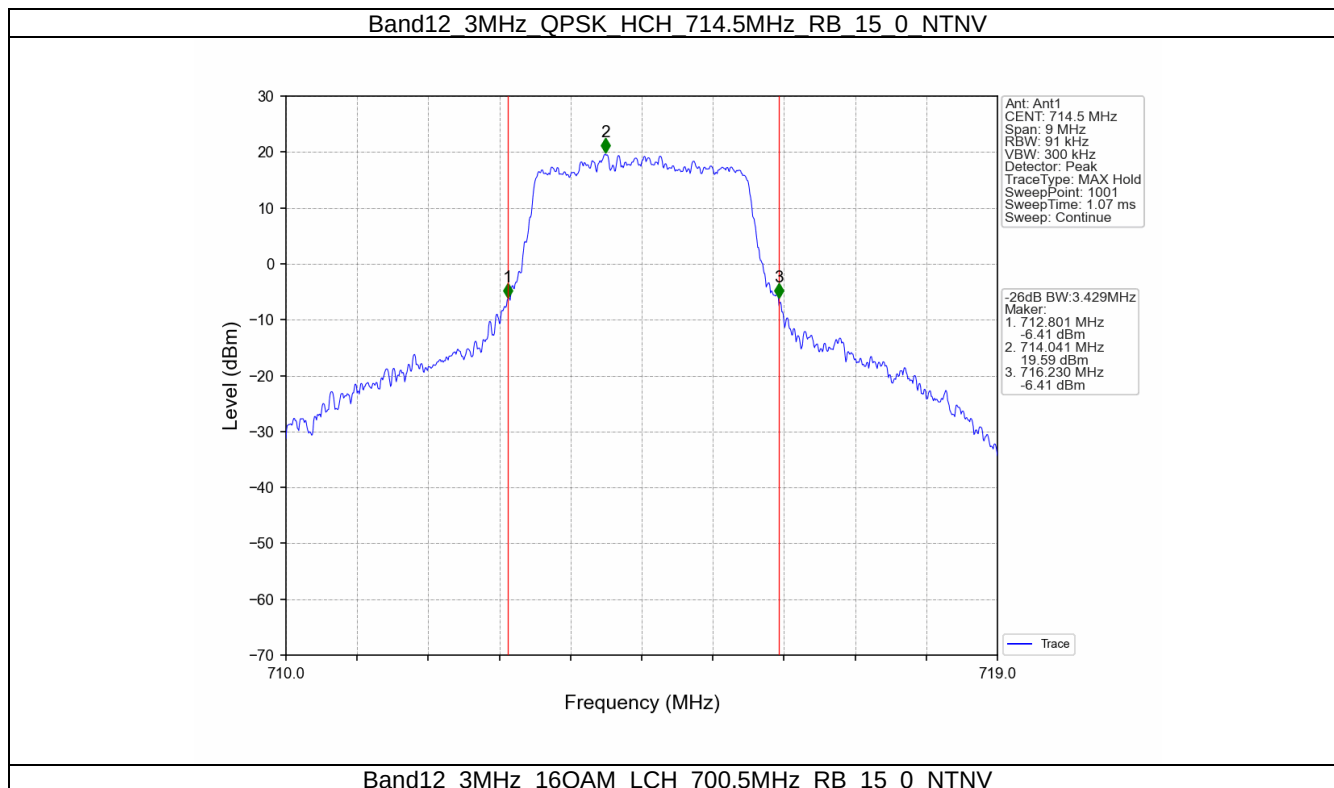










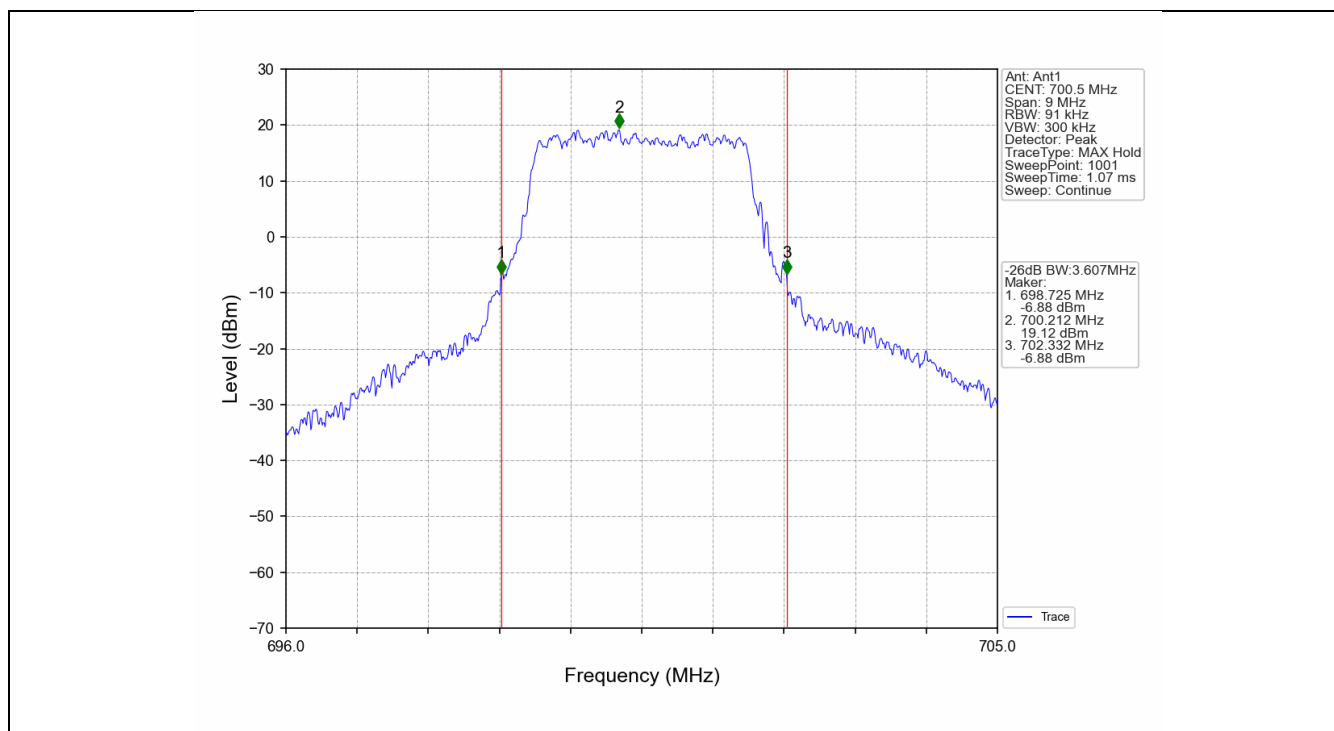


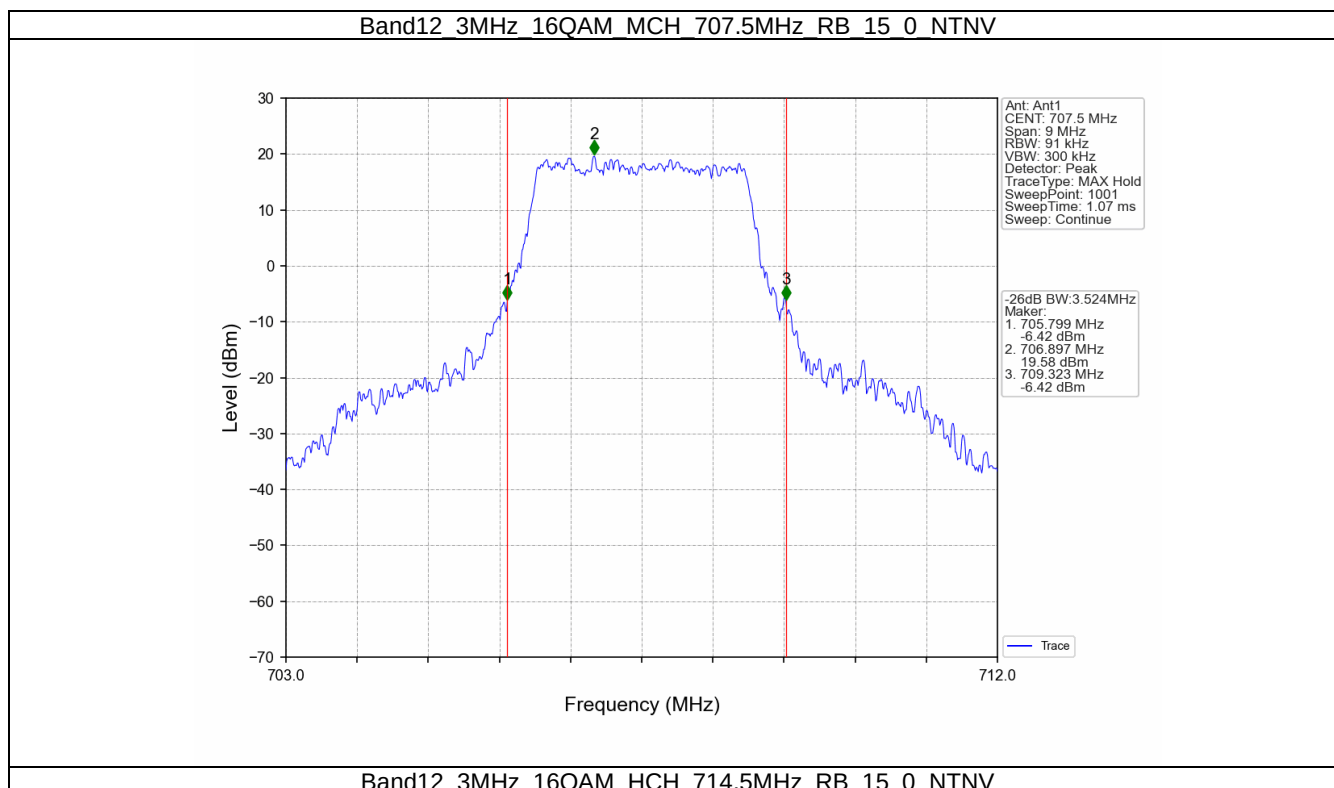
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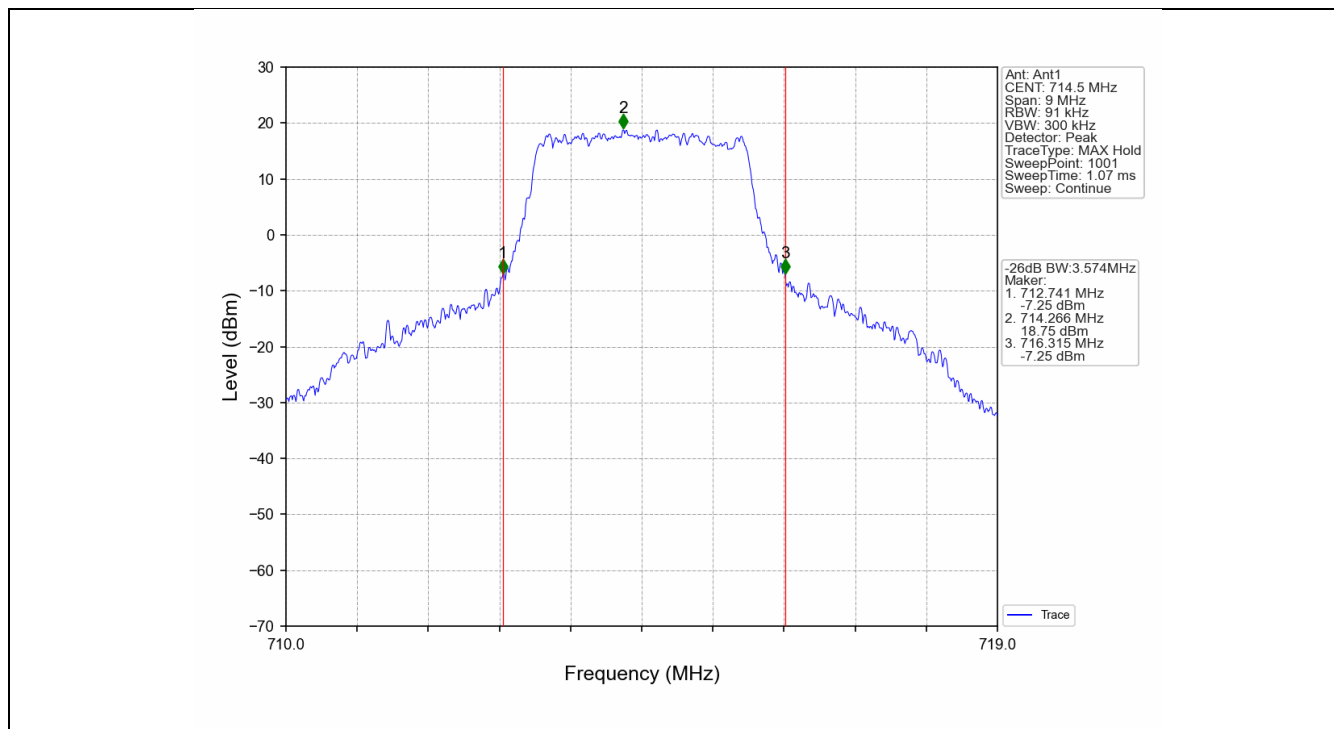
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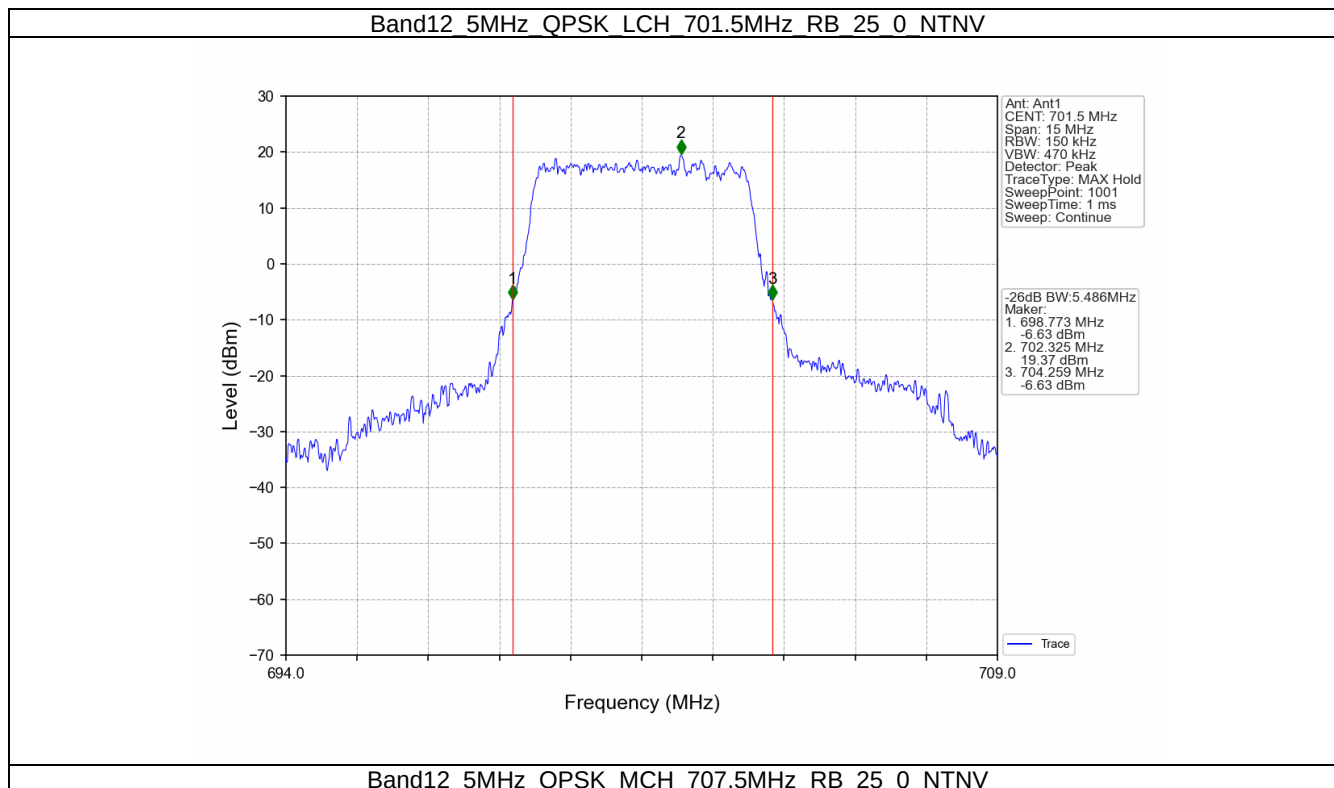
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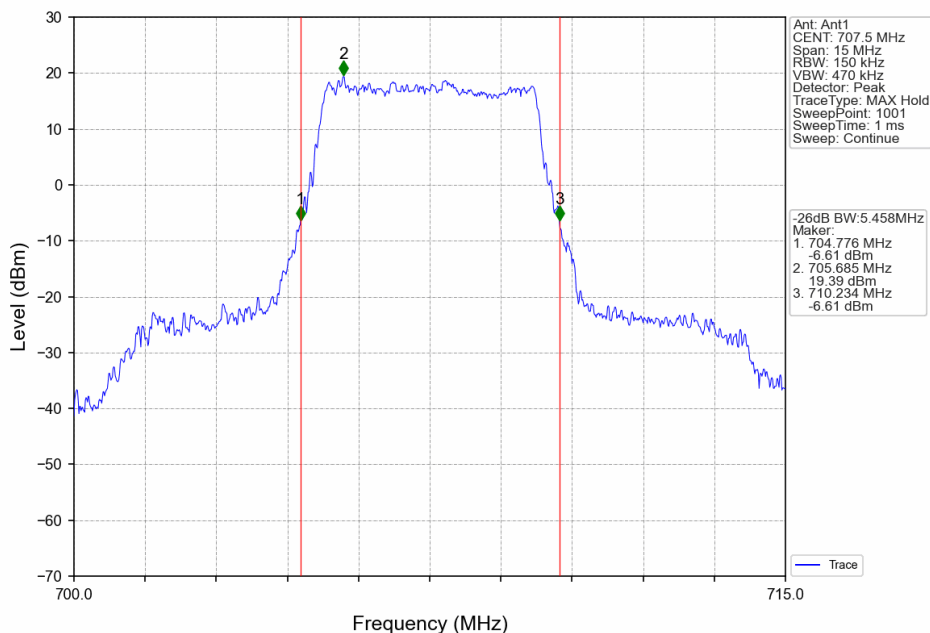
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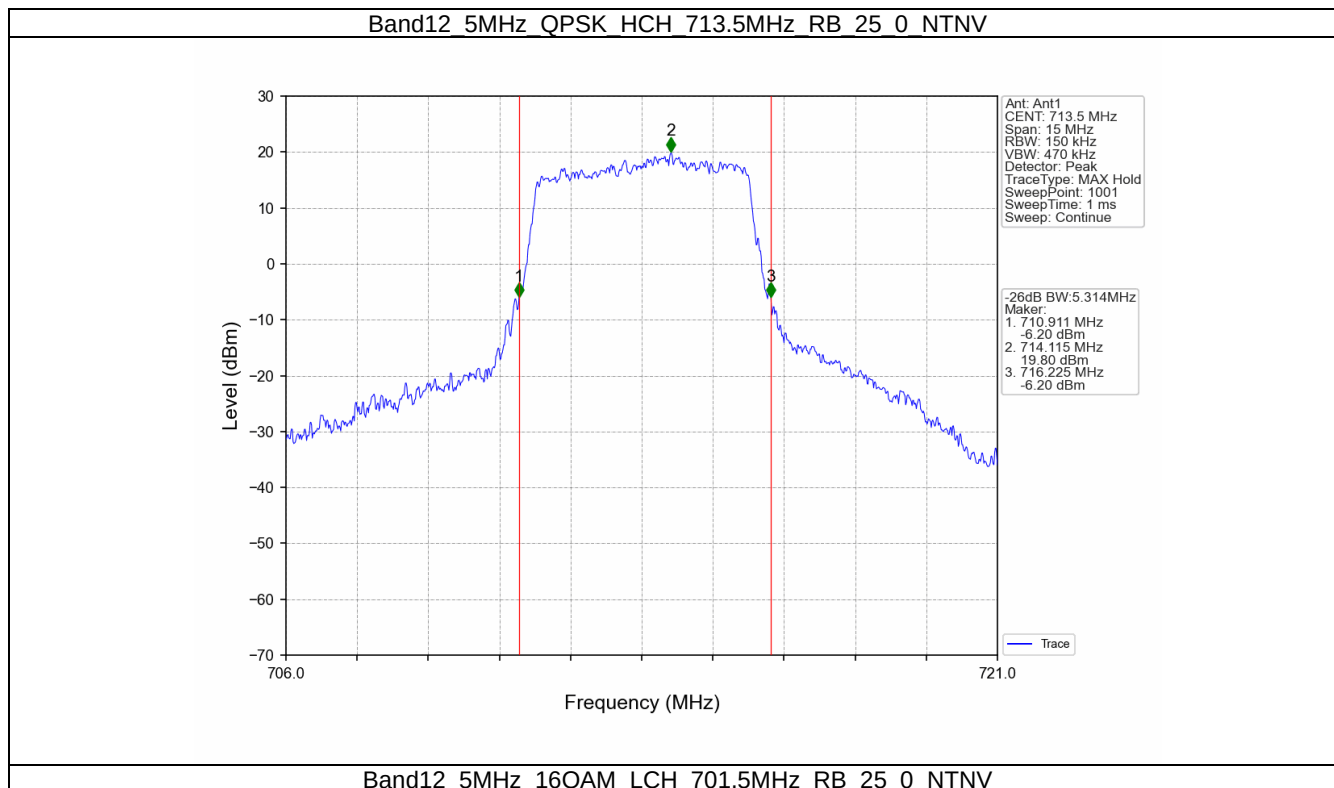


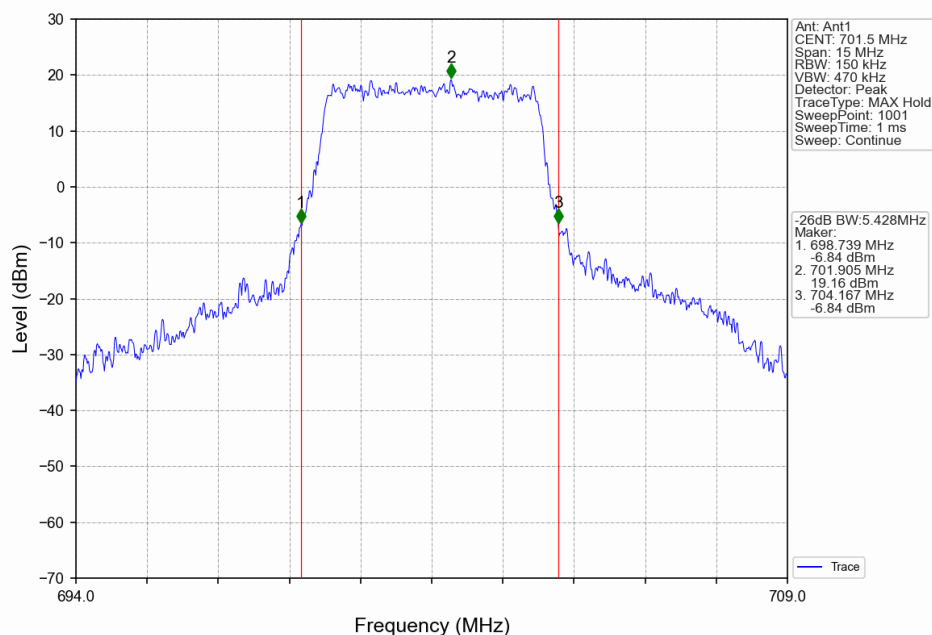


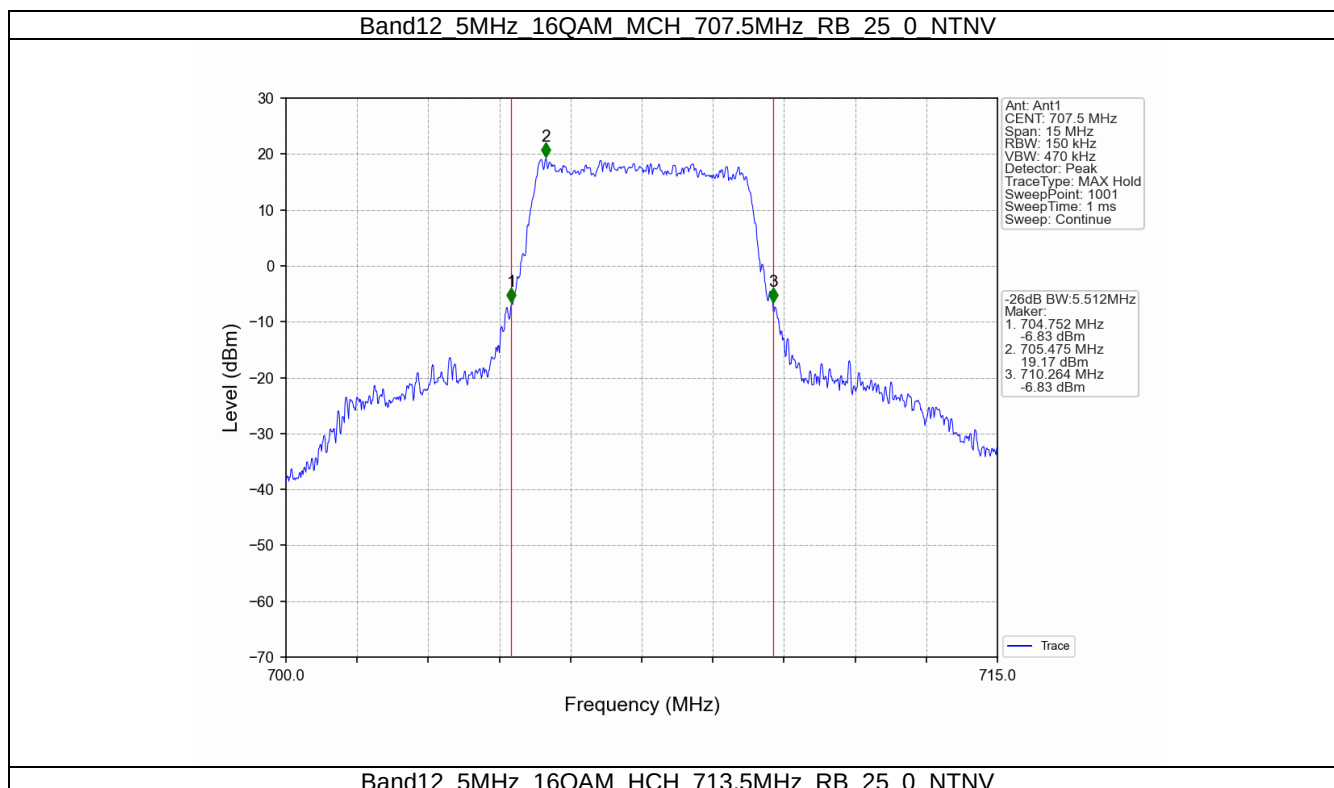


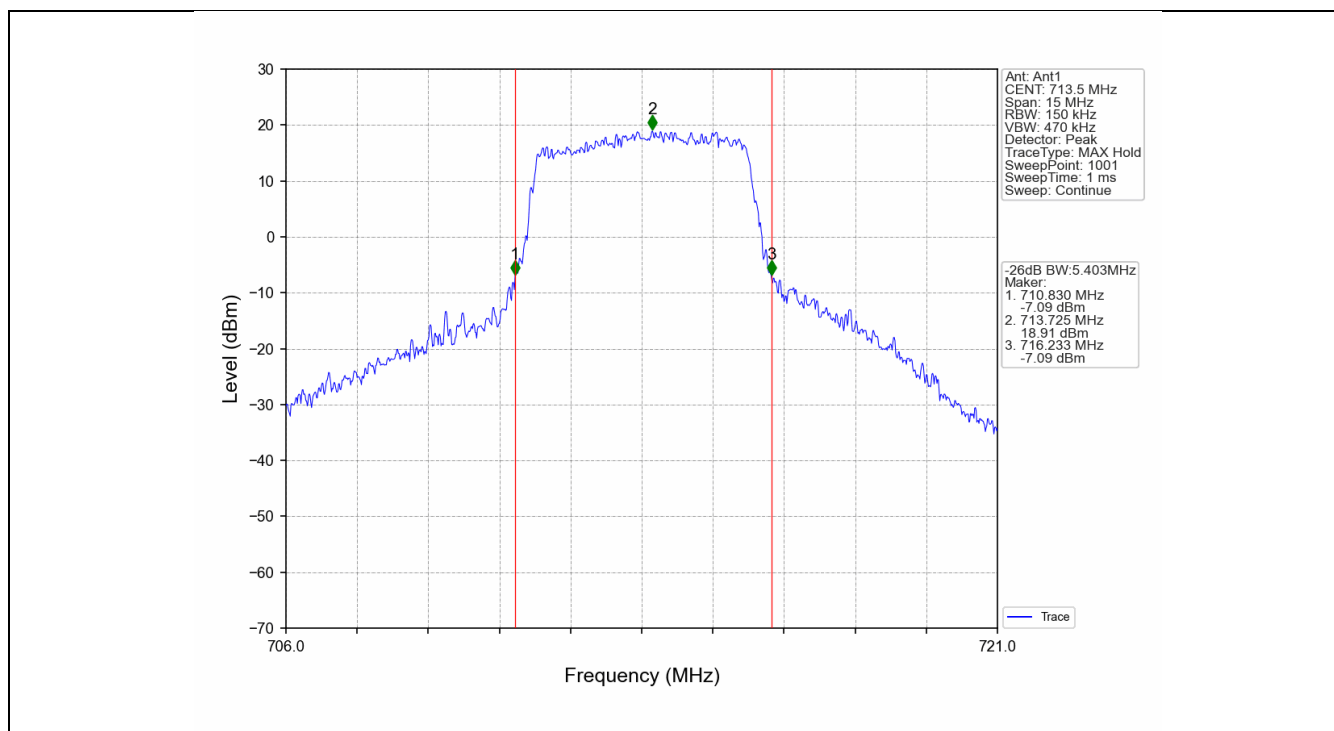


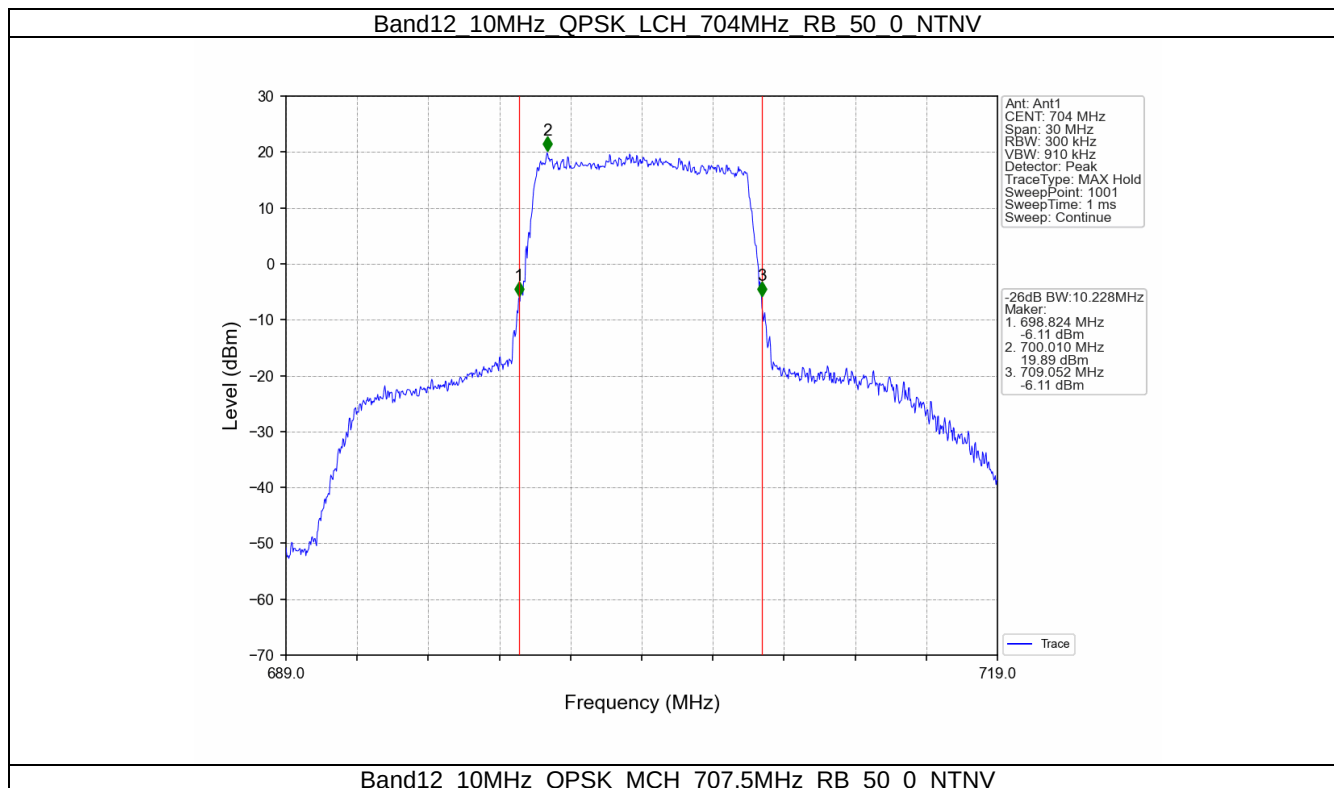


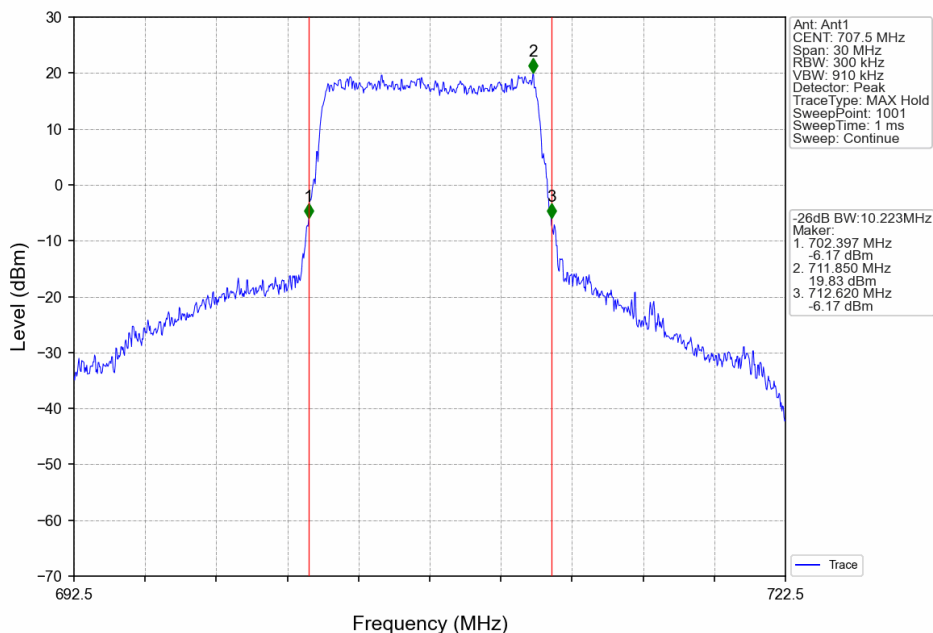


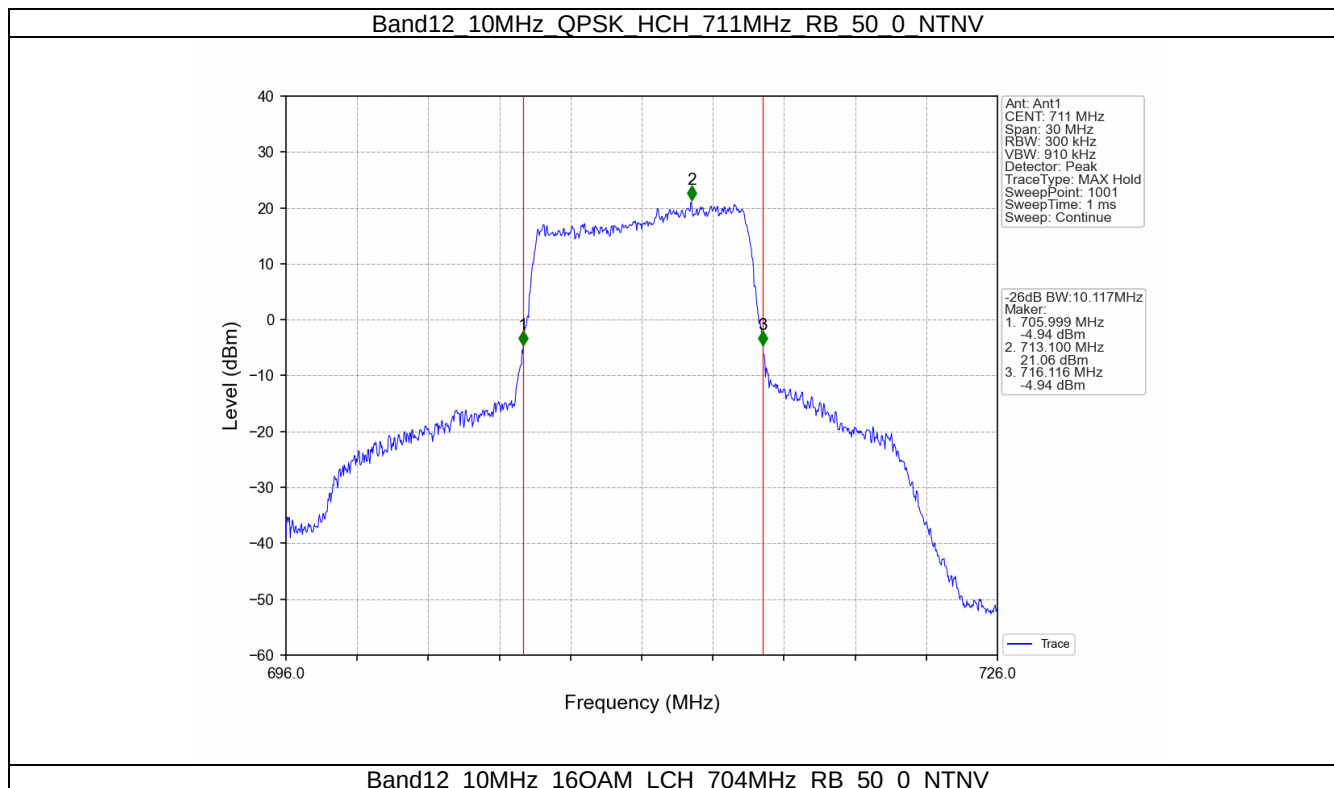


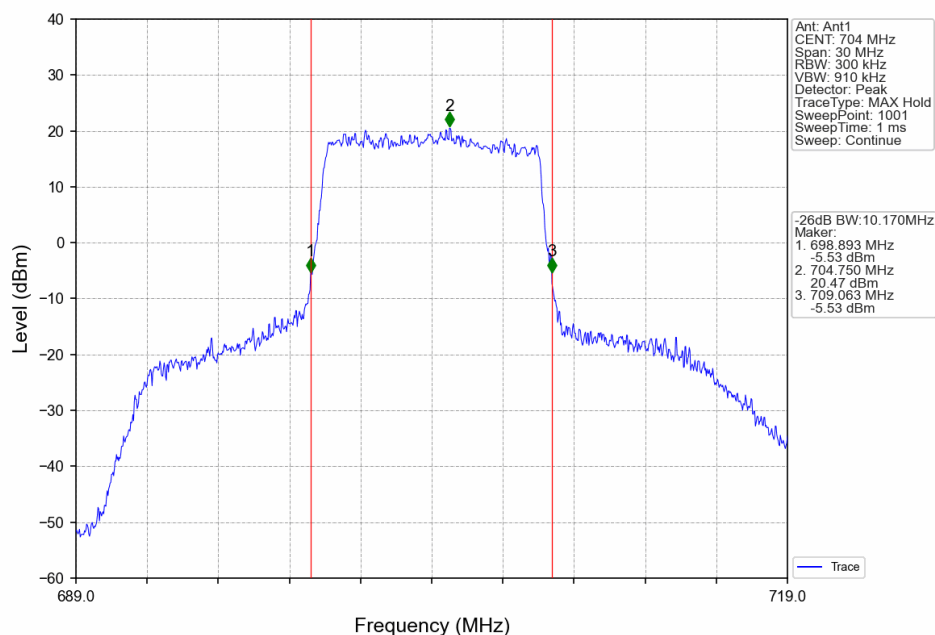


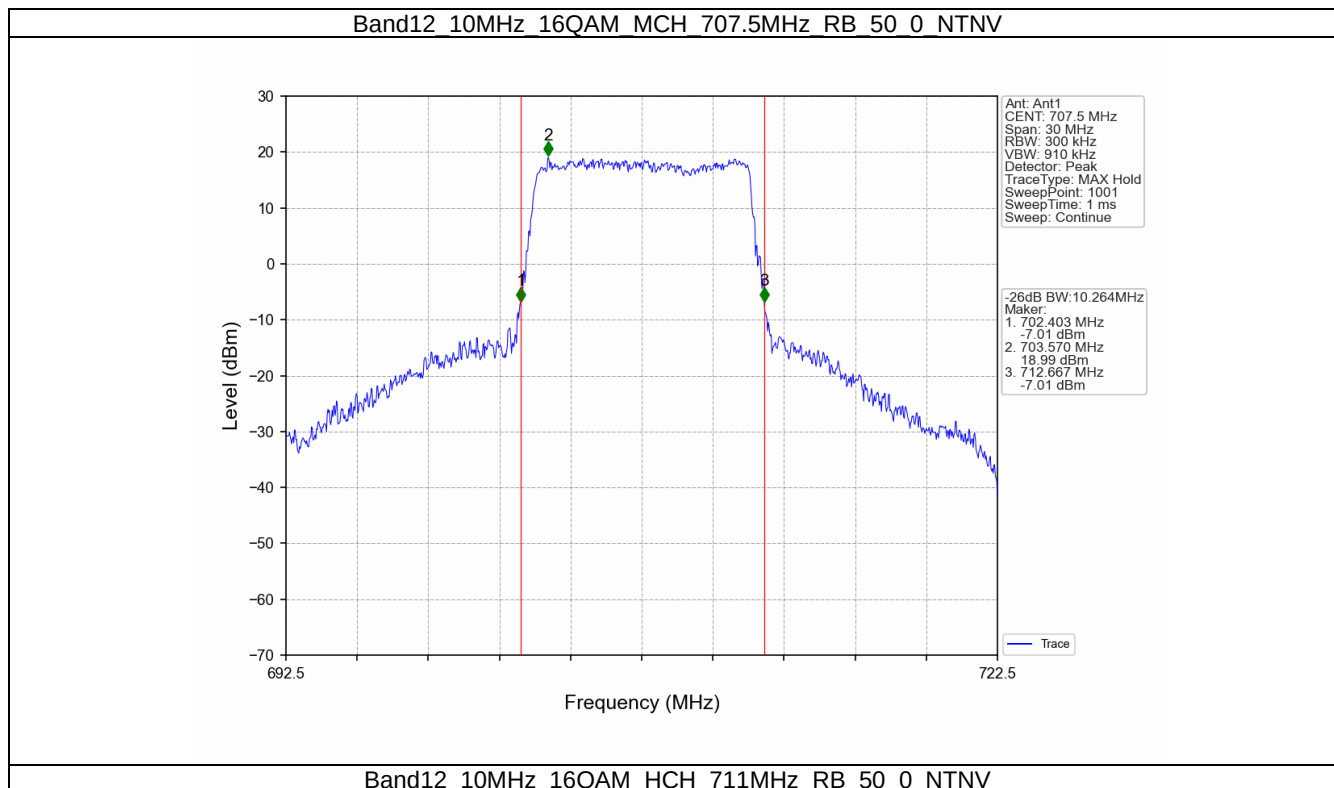


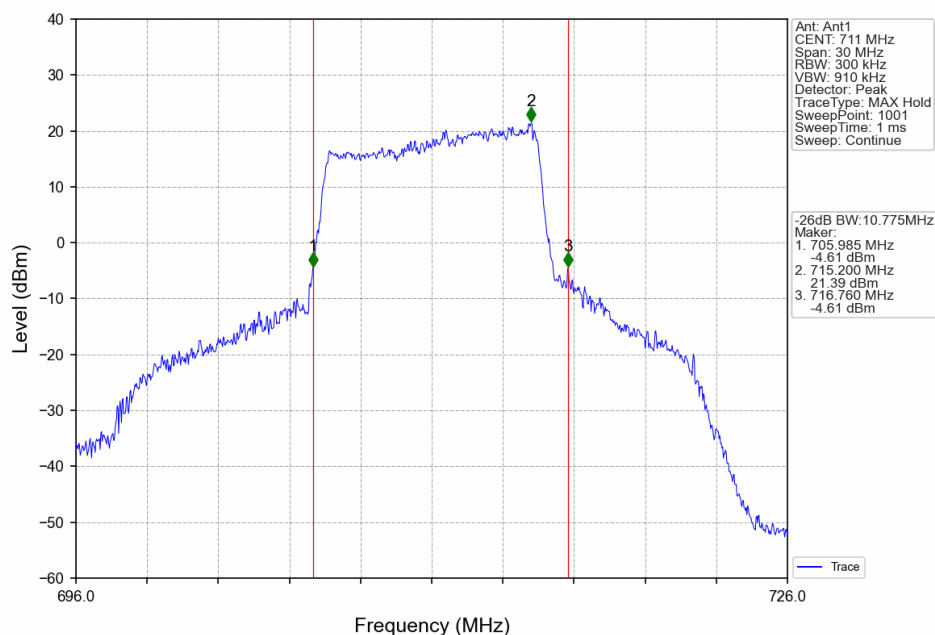












## 2. 99% & 26dB Bandwidth

### 2.1 Band13\_OBW

#### 2.1.1 Test Result

| Band: 13 / NTNV |            |                 |               |        |                              |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) | Verdict |
|                 |            |                 | Size          | Offset | Result                       |         |
| 5               | QPSK       | 779.5           | 25            | 0      | 4.585                        | Pass    |
|                 |            | 782             | 25            | 0      | 4.573                        | Pass    |
|                 |            | 784.5           | 25            | 0      | 4.579                        | Pass    |
|                 | 16QAM      | 779.5           | 25            | 0      | 4.614                        | Pass    |
|                 |            | 782             | 25            | 0      | 4.584                        | Pass    |
|                 |            | 784.5           | 25            | 0      | 4.555                        | Pass    |
| 10              | QPSK       | 782             | 50            | 0      | 8.995                        | Pass    |
|                 | 16QAM      | 782             | 50            | 0      | 8.979                        | Pass    |



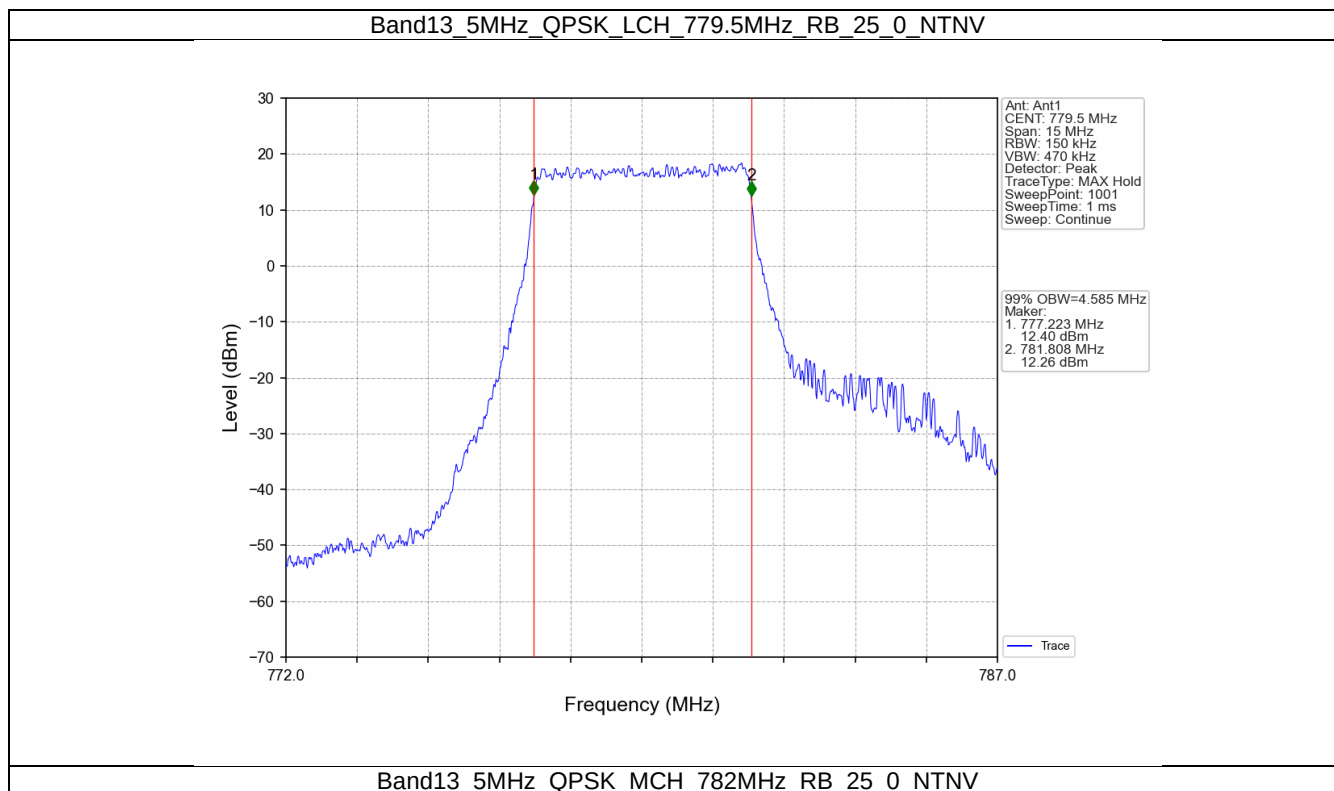
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### 2.1.2 Test Graph

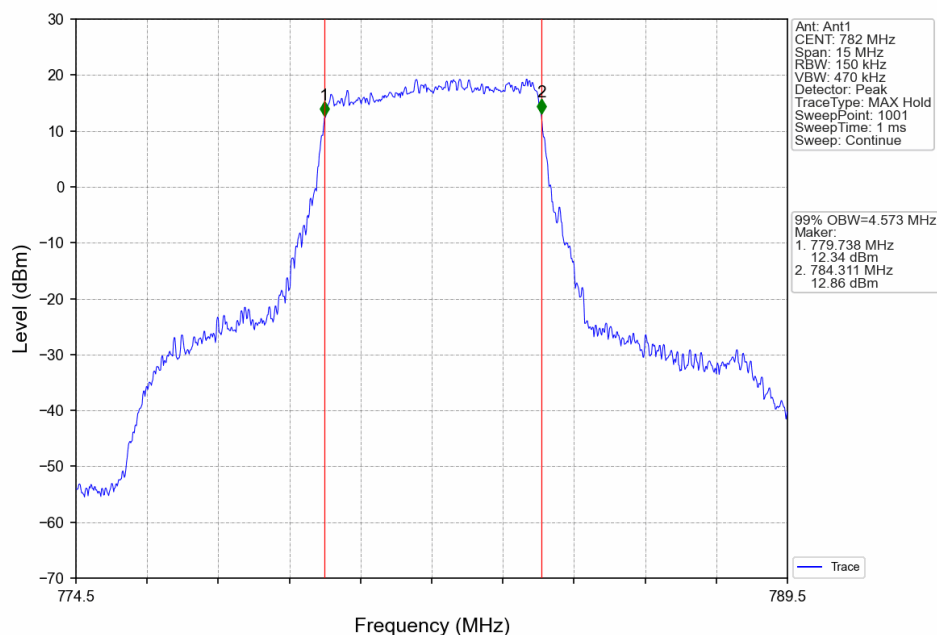


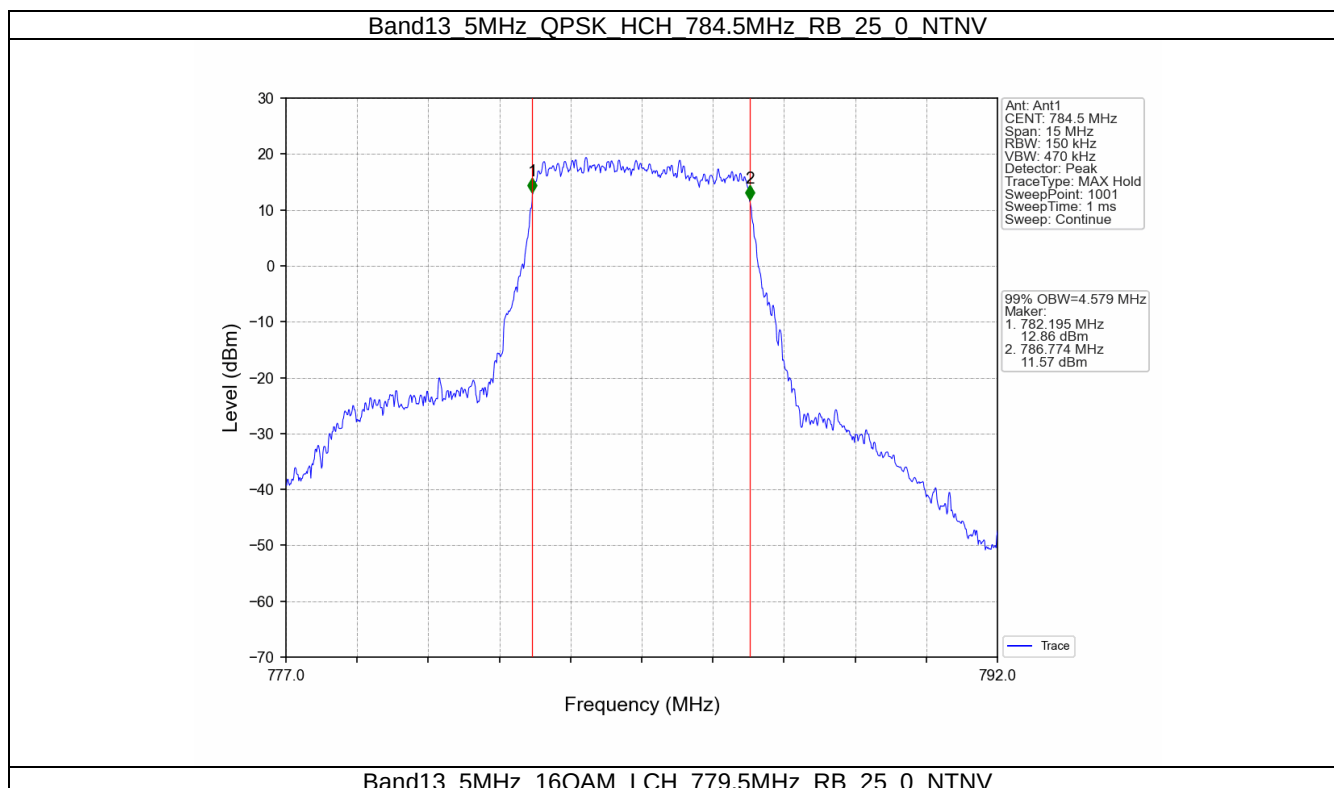
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Band13 5MHz 16QAM LCH 779.5MHz RB 25 0 NTV

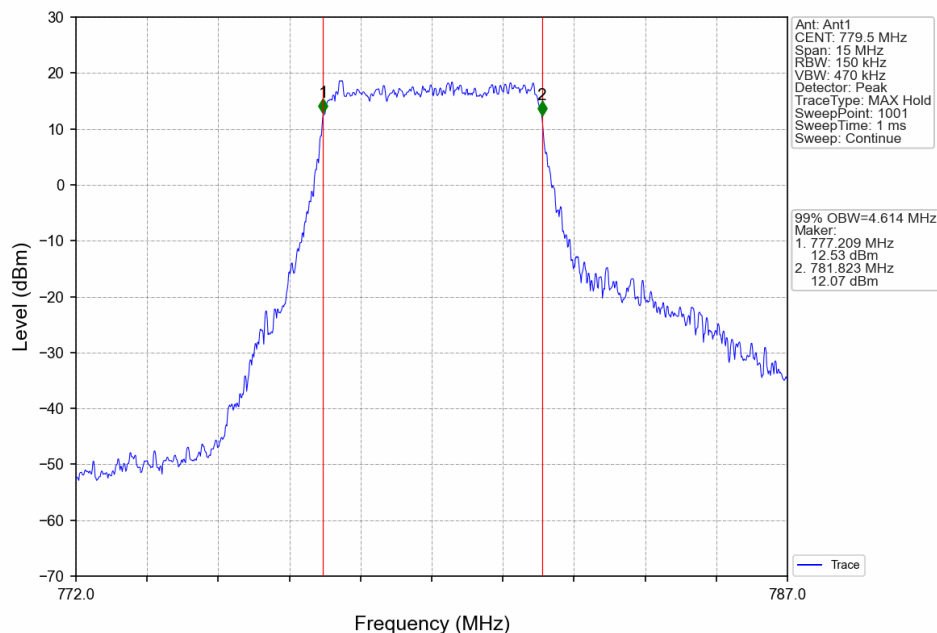


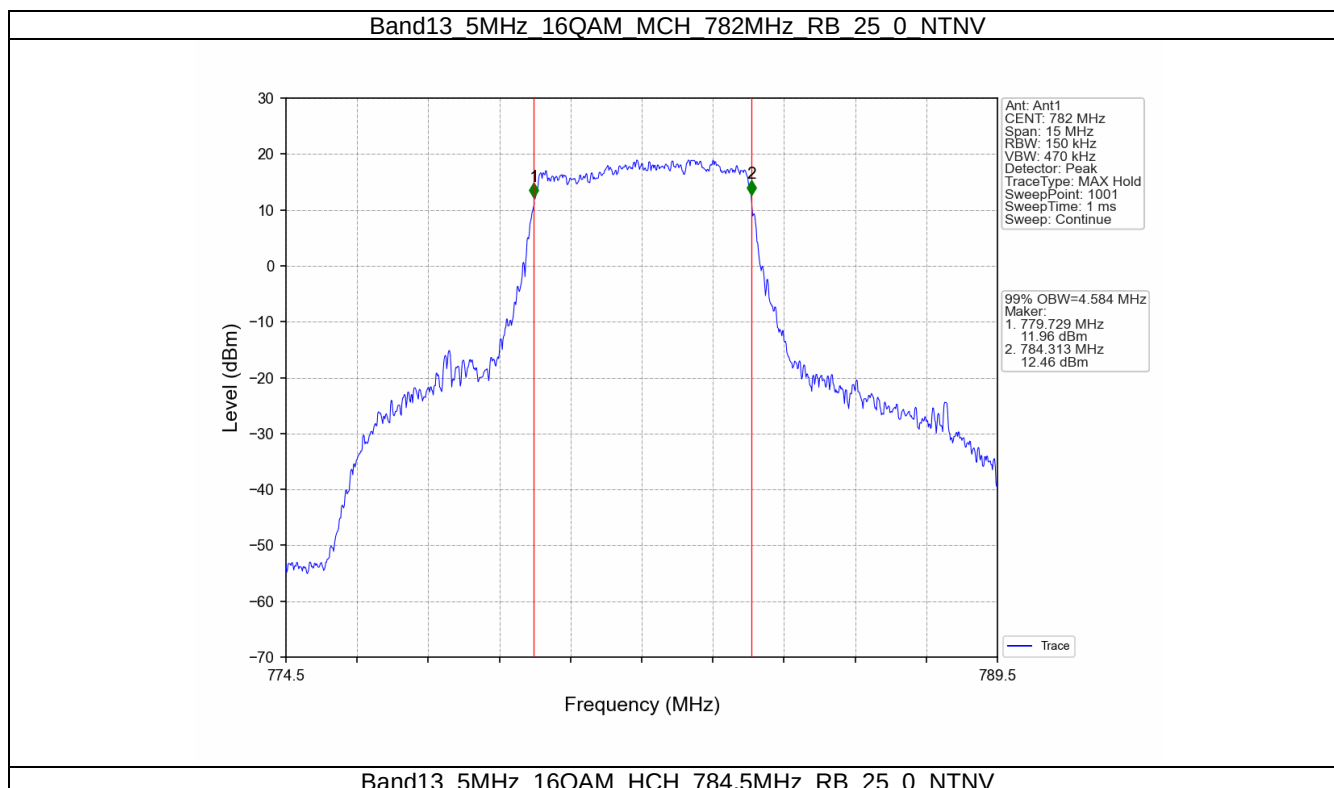
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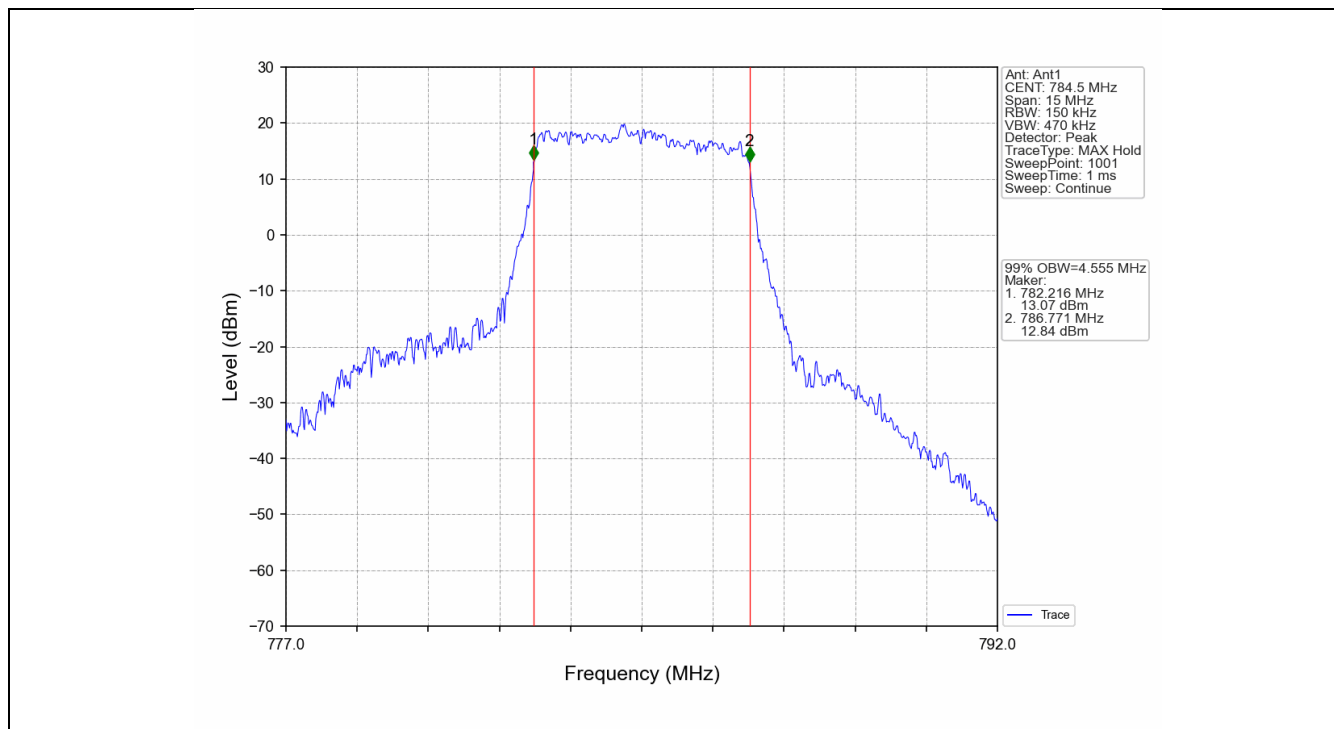
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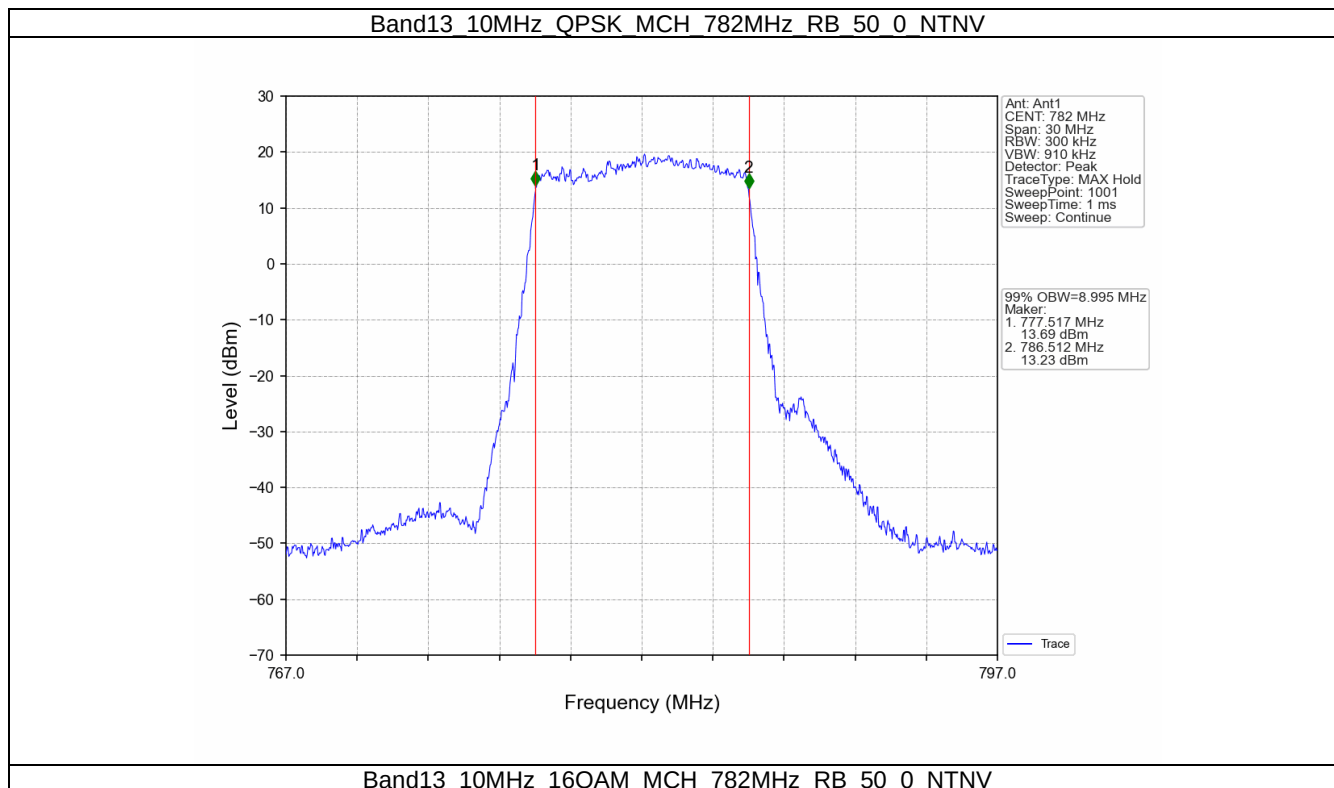
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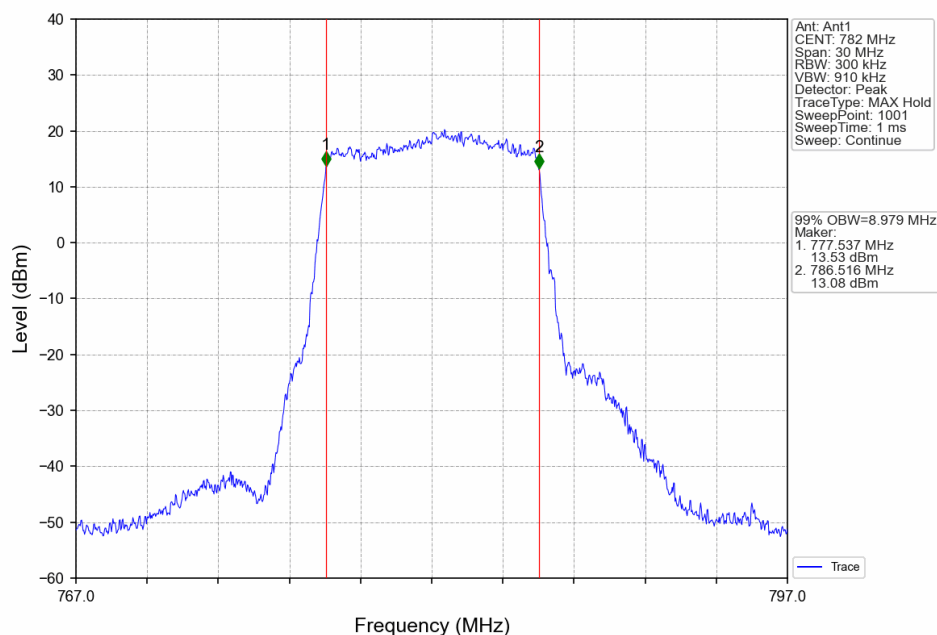
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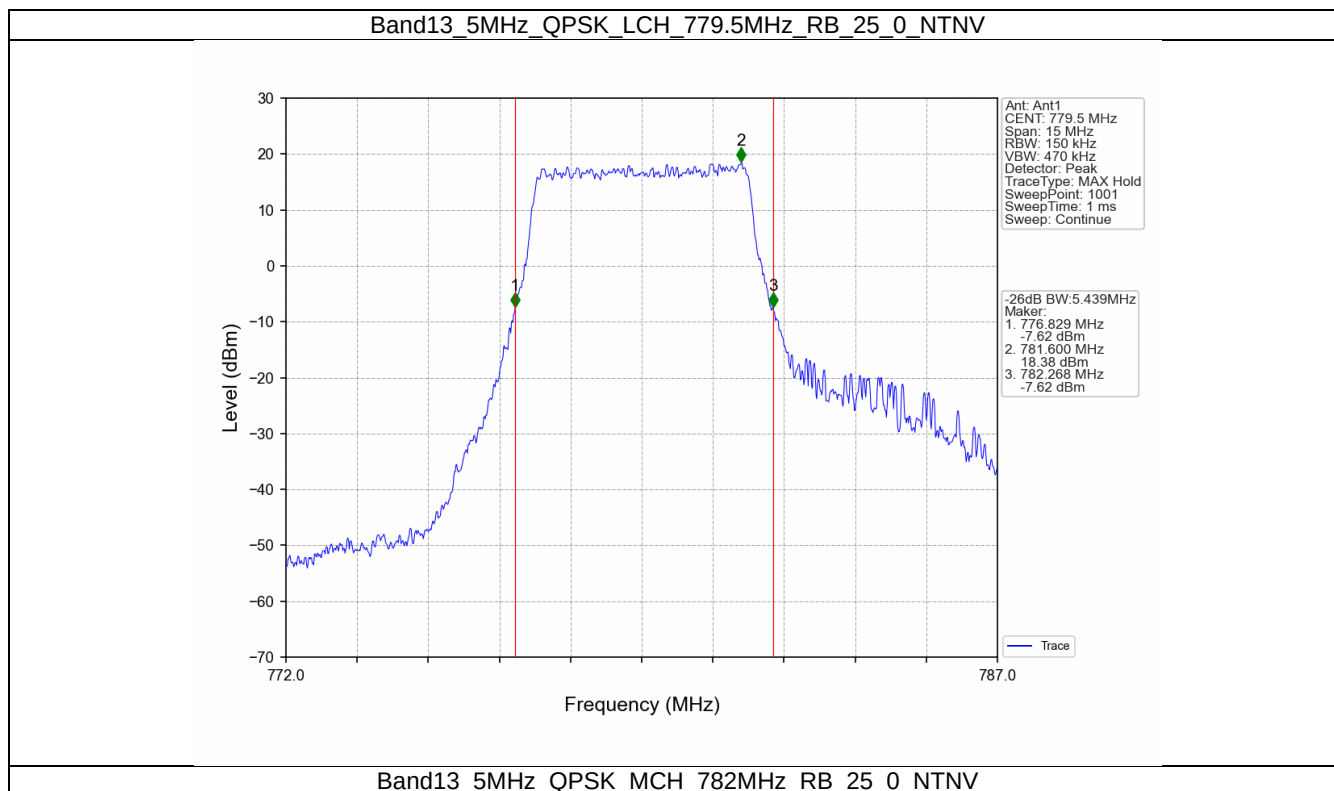
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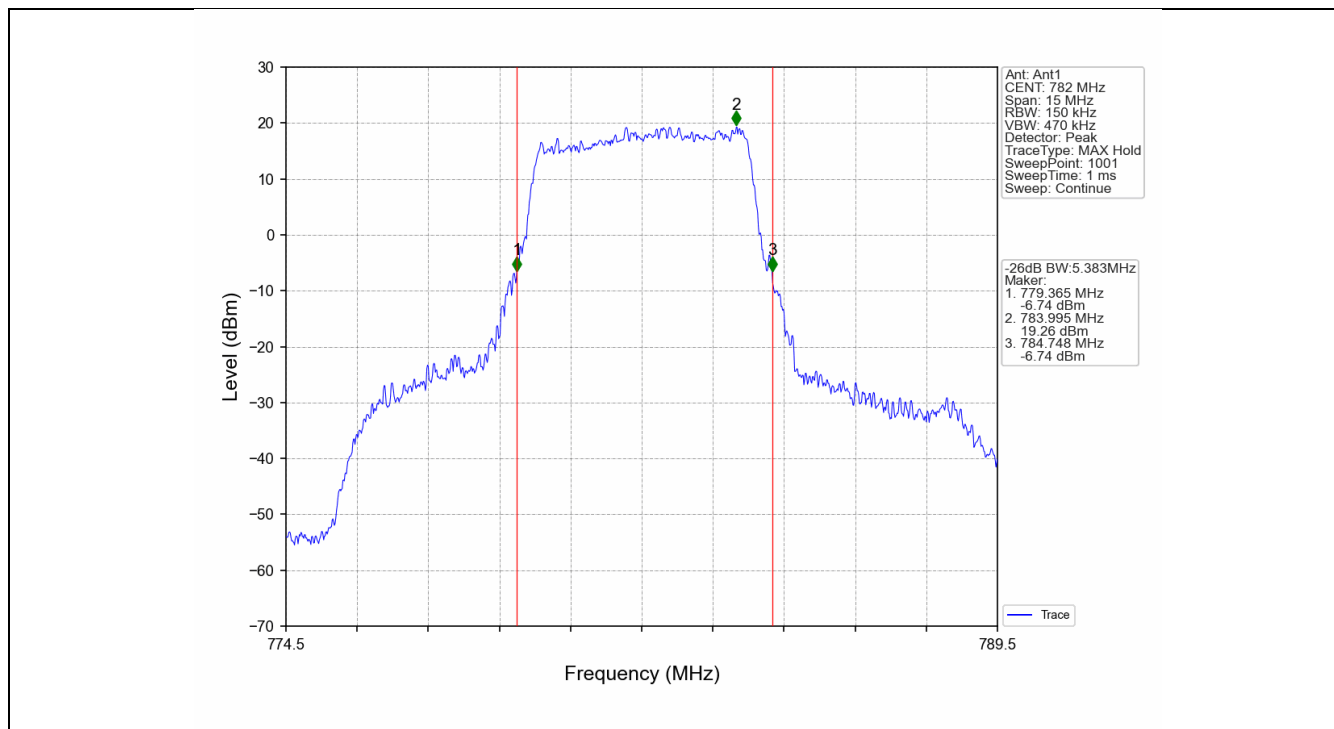
### 2.2.1 Test Result

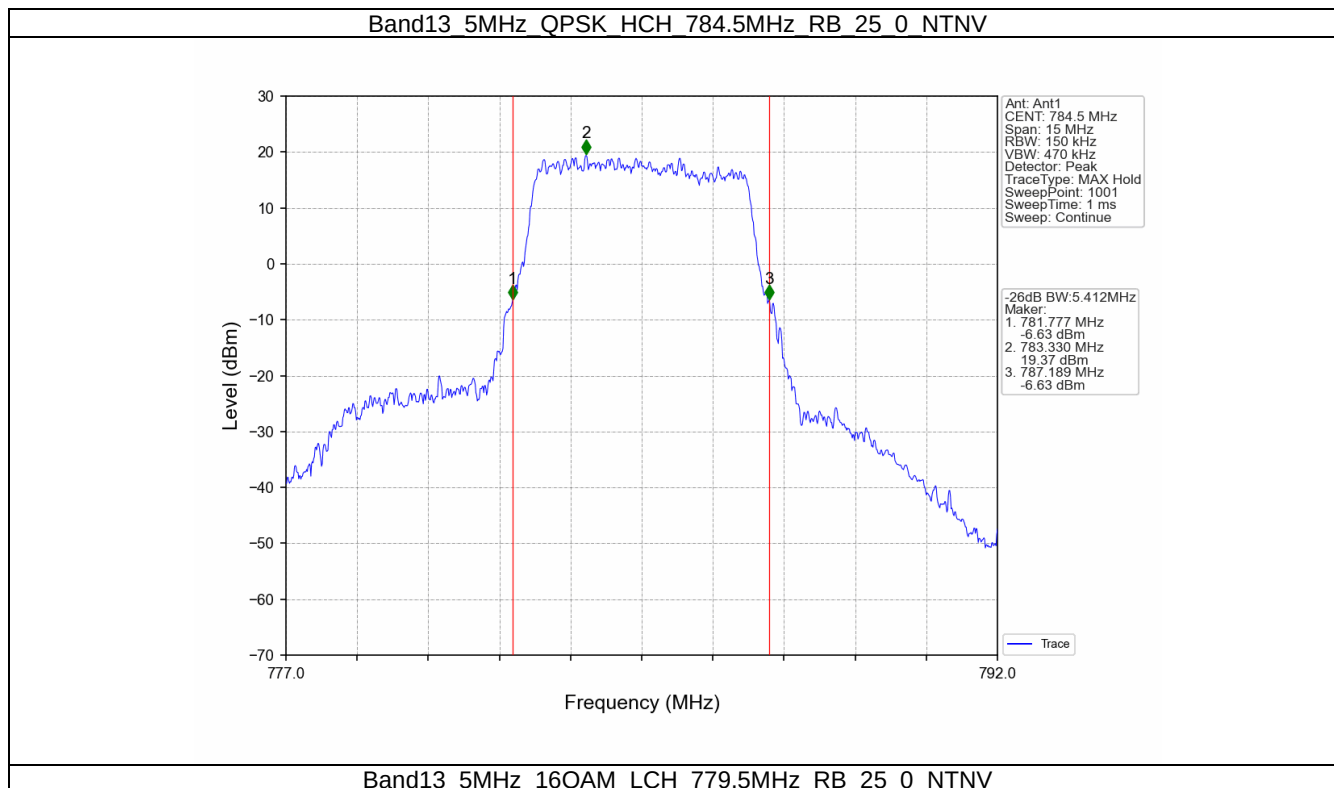
| Band: 13 / NTNV |            |                 |               |        |                      |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) | Verdict |
|                 |            |                 | Size          | Offset | Result               |         |
| 5               | QPSK       | 779.5           | 25            | 0      | 5.439                | Pass    |
|                 |            | 782             | 25            | 0      | 5.383                | Pass    |
|                 |            | 784.5           | 25            | 0      | 5.412                | Pass    |
|                 | 16QAM      | 779.5           | 25            | 0      | 5.440                | Pass    |
|                 |            | 782             | 25            | 0      | 5.429                | Pass    |
|                 |            | 784.5           | 25            | 0      | 5.372                | Pass    |
| 10              | QPSK       | 782             | 50            | 0      | 10.140               | Pass    |
|                 | 16QAM      | 782             | 50            | 0      | 10.011               | Pass    |

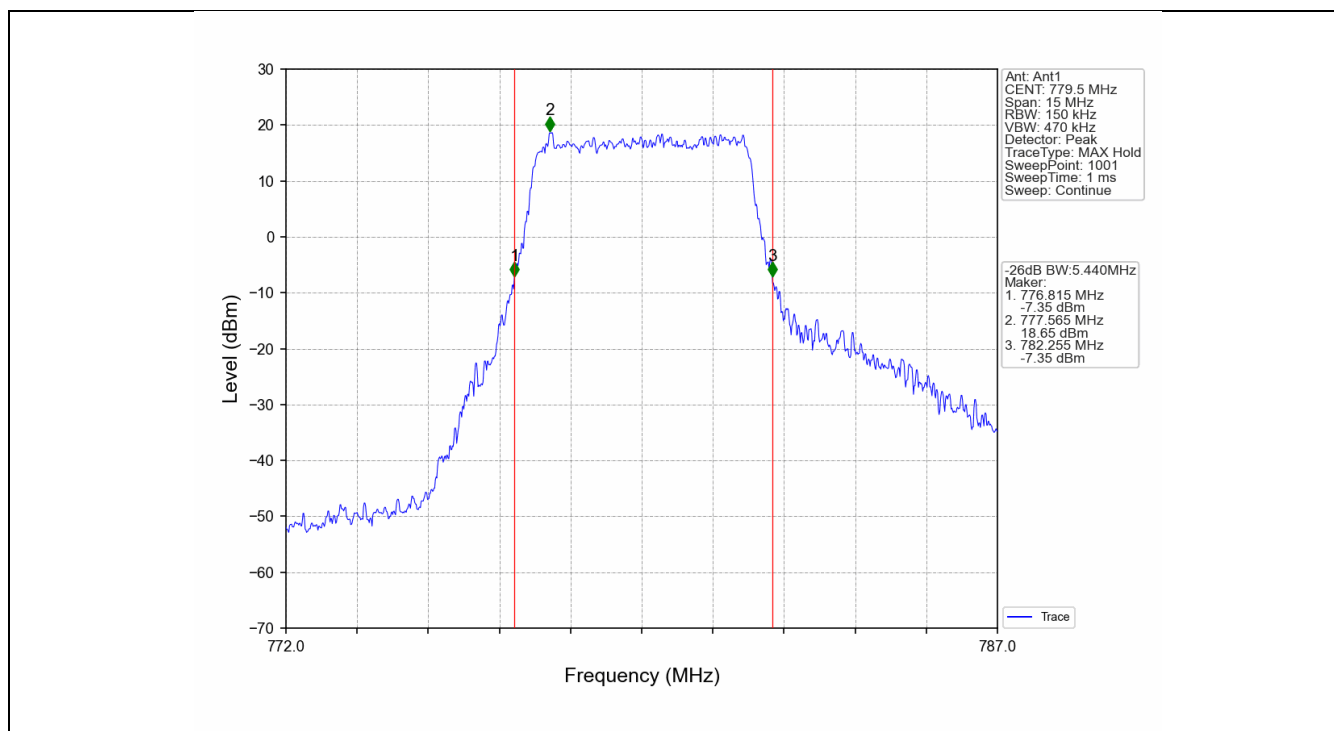


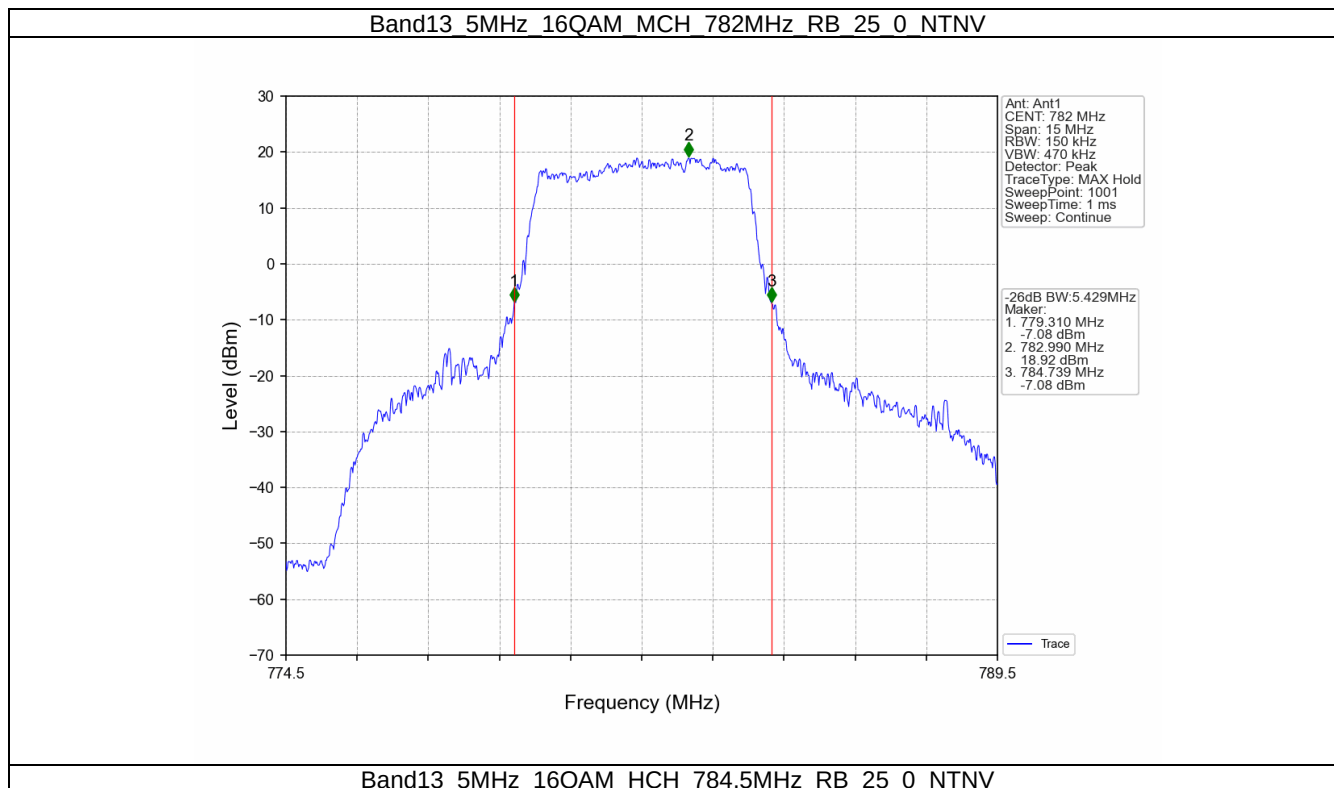
### 2.2.2 Test Graph

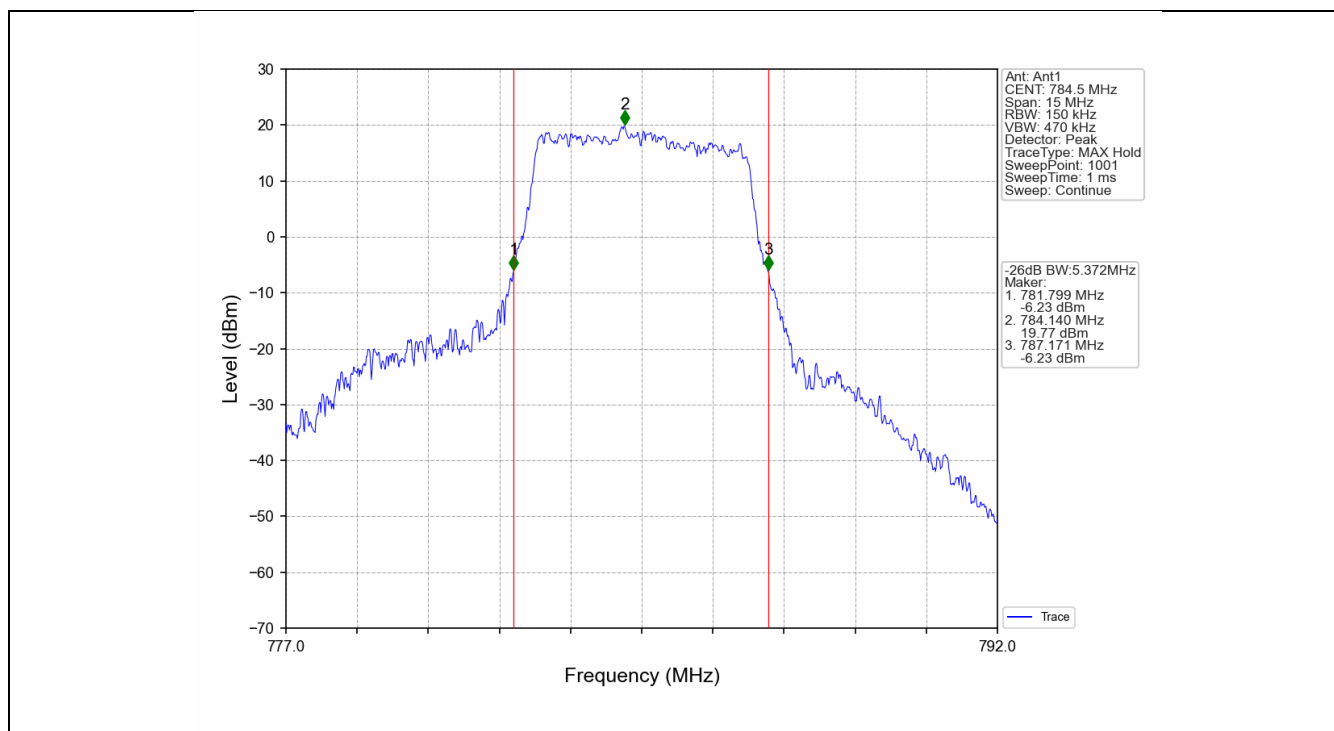


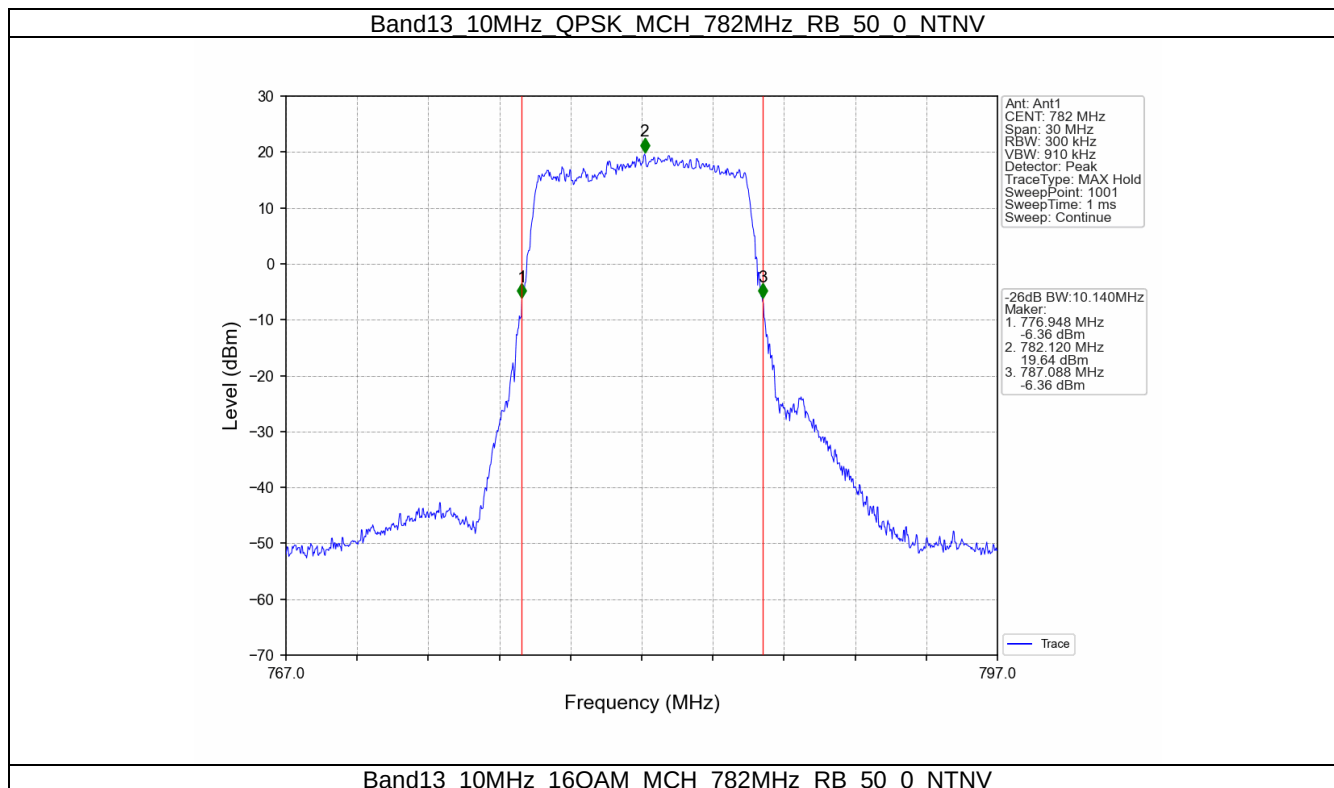


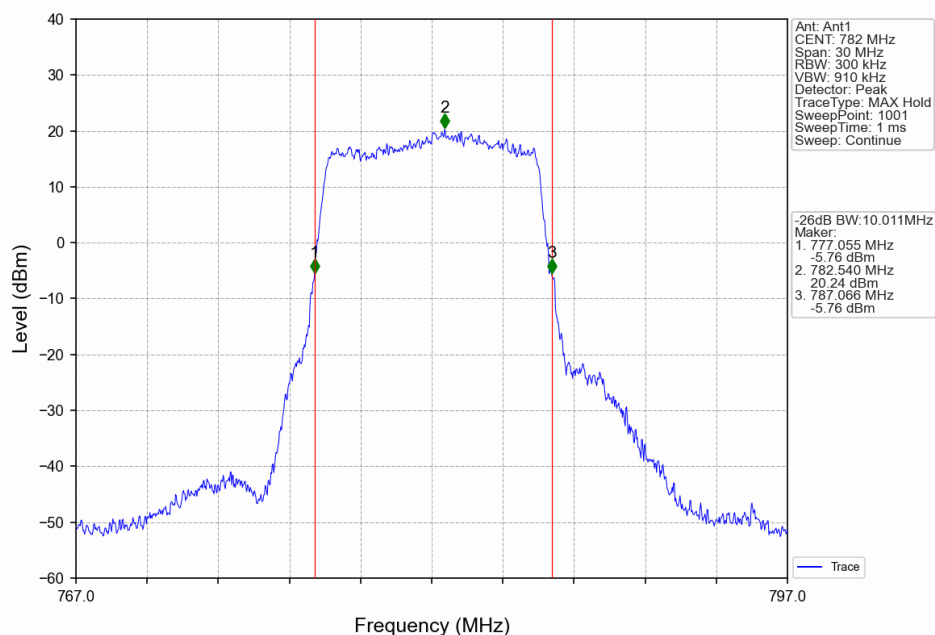












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## 3. 99% & 26dB Bandwidth

### 3.1 Band2\_OBW

#### 3.1.1 Test Result

| Band: 2 / NTV   |            |                 |               |        |                              |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) | Verdict |
|                 |            |                 | Size          | Offset | Result                       |         |
| 1.4             | QPSK       | 1850.7          | 6             | 0      | 1.151                        | Pass    |
|                 |            | 1880            | 6             | 0      | 1.142                        | Pass    |
|                 |            | 1909.3          | 6             | 0      | 1.139                        | Pass    |
|                 | 16QAM      | 1850.7          | 6             | 0      | 1.129                        | Pass    |
|                 |            | 1880            | 6             | 0      | 1.145                        | Pass    |
|                 |            | 1909.3          | 6             | 0      | 1.162                        | Pass    |
| 3               | QPSK       | 1851.5          | 15            | 0      | 2.792                        | Pass    |
|                 |            | 1880            | 15            | 0      | 2.781                        | Pass    |
|                 |            | 1908.5          | 15            | 0      | 2.770                        | Pass    |
|                 | 16QAM      | 1851.5          | 15            | 0      | 2.817                        | Pass    |
|                 |            | 1880            | 15            | 0      | 2.793                        | Pass    |
|                 |            | 1908.5          | 15            | 0      | 2.791                        | Pass    |
| 5               | QPSK       | 1852.5          | 25            | 0      | 4.594                        | Pass    |
|                 |            | 1880            | 25            | 0      | 4.571                        | Pass    |
|                 |            | 1907.5          | 25            | 0      | 4.577                        | Pass    |
|                 | 16QAM      | 1852.5          | 25            | 0      | 4.591                        | Pass    |
|                 |            | 1880            | 25            | 0      | 4.616                        | Pass    |
|                 |            | 1907.5          | 25            | 0      | 4.608                        | Pass    |
| 10              | QPSK       | 1855            | 50            | 0      | 9.035                        | Pass    |
|                 |            | 1880            | 50            | 0      | 9.045                        | Pass    |
|                 |            | 1905            | 50            | 0      | 9.084                        | Pass    |
|                 | 16QAM      | 1855            | 50            | 0      | 9.062                        | Pass    |
|                 |            | 1880            | 50            | 0      | 9.057                        | Pass    |
|                 |            | 1905            | 50            | 0      | 9.051                        | Pass    |
| 15              | QPSK       | 1857.5          | 75            | 0      | 13.518                       | Pass    |
|                 |            | 1880            | 75            | 0      | 13.550                       | Pass    |
|                 |            | 1902.5          | 75            | 0      | 13.606                       | Pass    |
|                 | 16QAM      | 1857.5          | 75            | 0      | 13.552                       | Pass    |
|                 |            | 1880            | 75            | 0      | 13.596                       | Pass    |
|                 |            | 1902.5          | 75            | 0      | 13.615                       | Pass    |
| 20              | QPSK       | 1860            | 100           | 0      | 18.035                       | Pass    |
|                 |            | 1880            | 100           | 0      | 18.116                       | Pass    |
|                 |            | 1900            | 100           | 0      | 18.045                       | Pass    |
|                 | 16QAM      | 1860            | 100           | 0      | 18.074                       | Pass    |



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|  |  |      |     |   |        |      |
|--|--|------|-----|---|--------|------|
|  |  | 1880 | 100 | 0 | 18.037 | Pass |
|  |  | 1900 | 100 | 0 | 17.991 | Pass |



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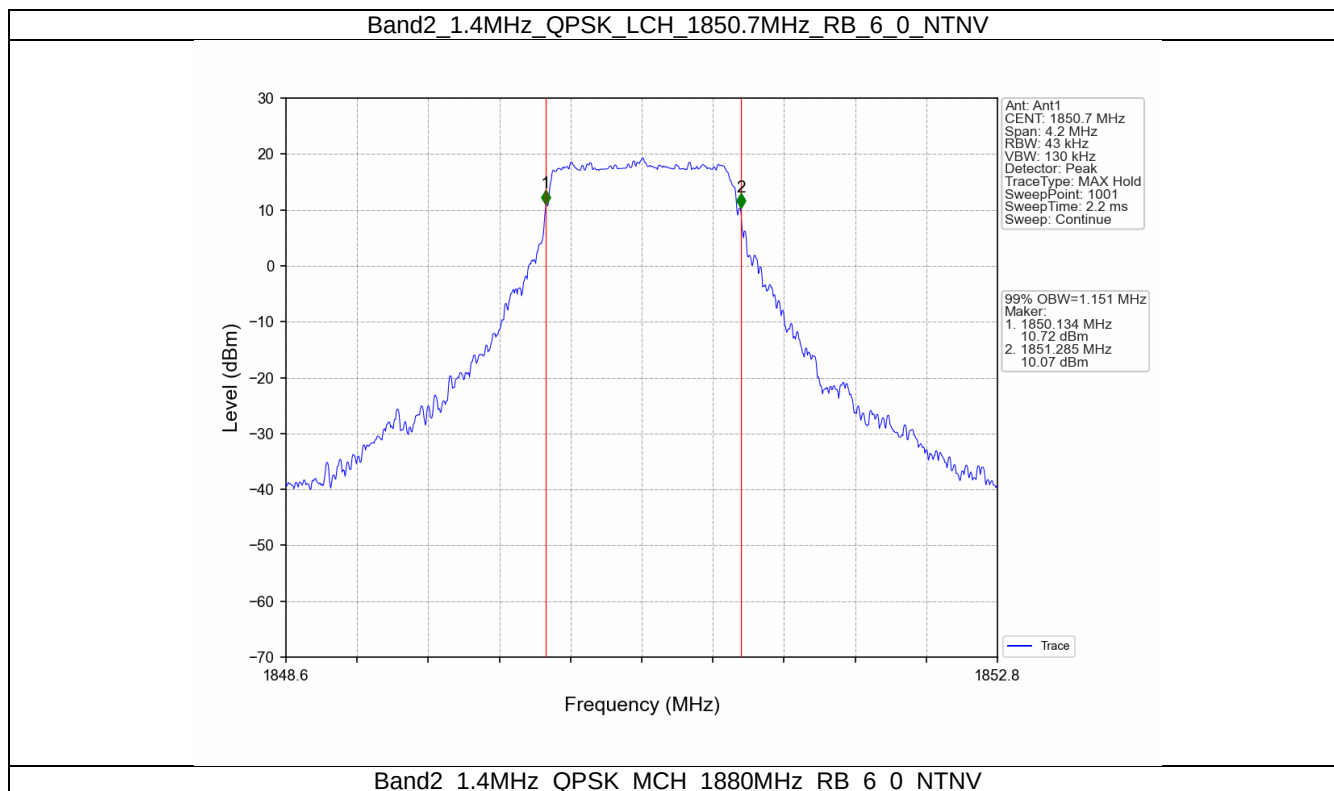
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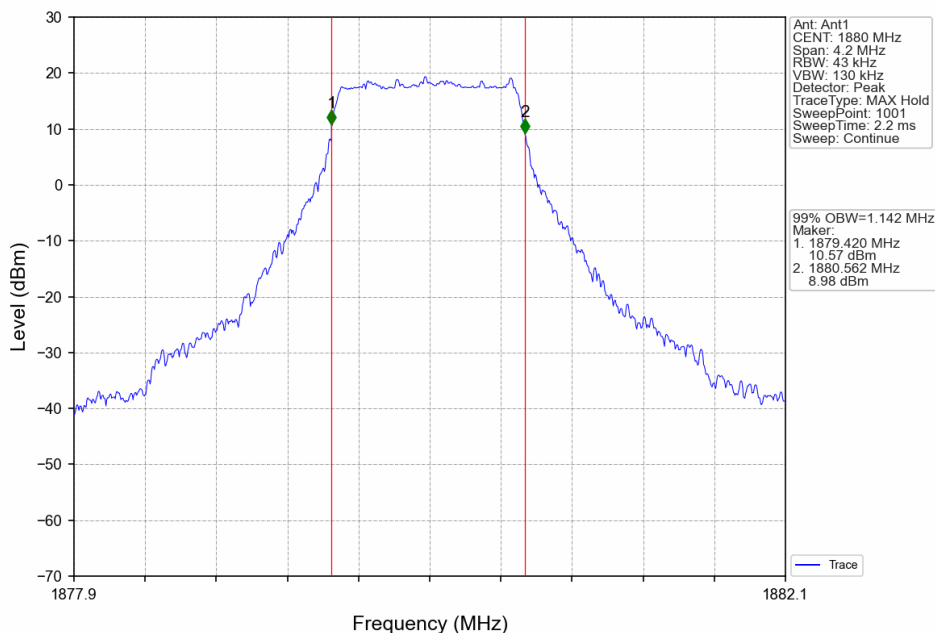
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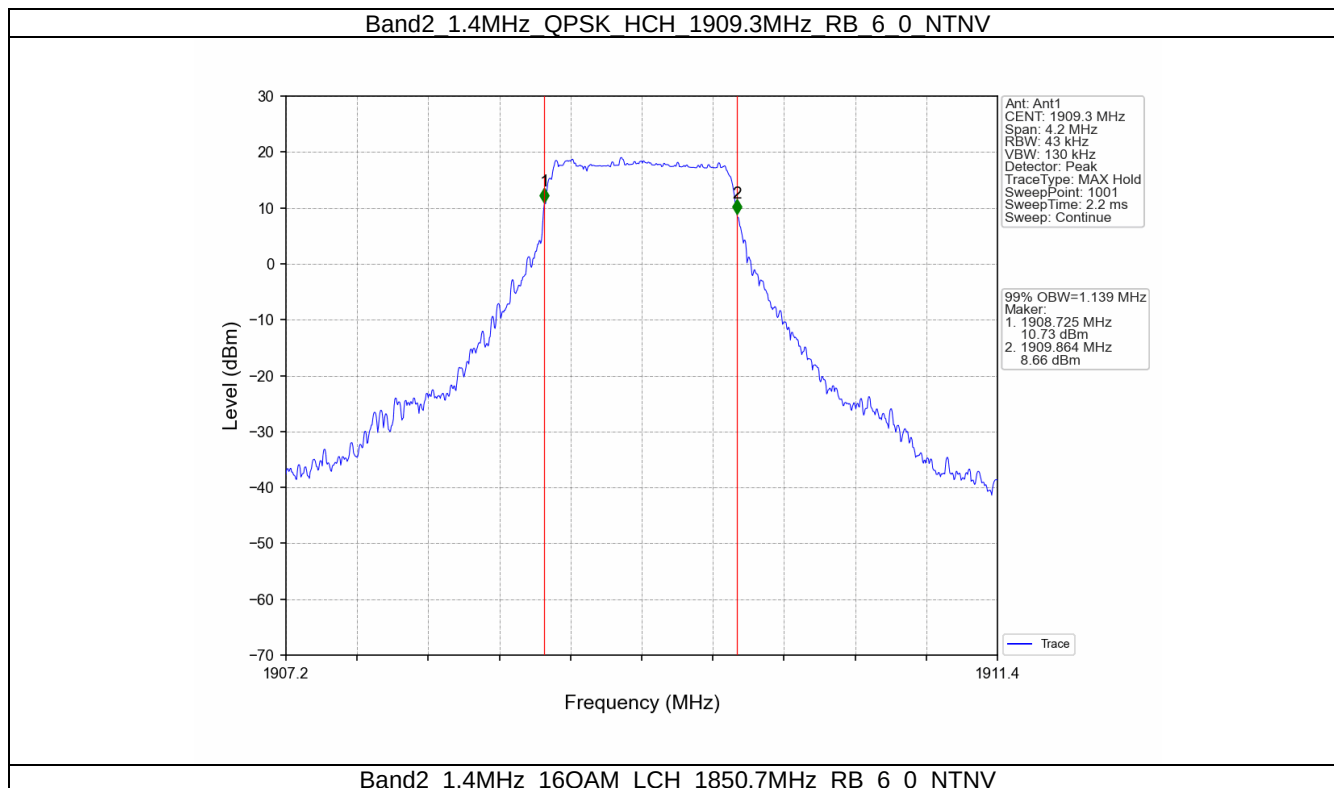
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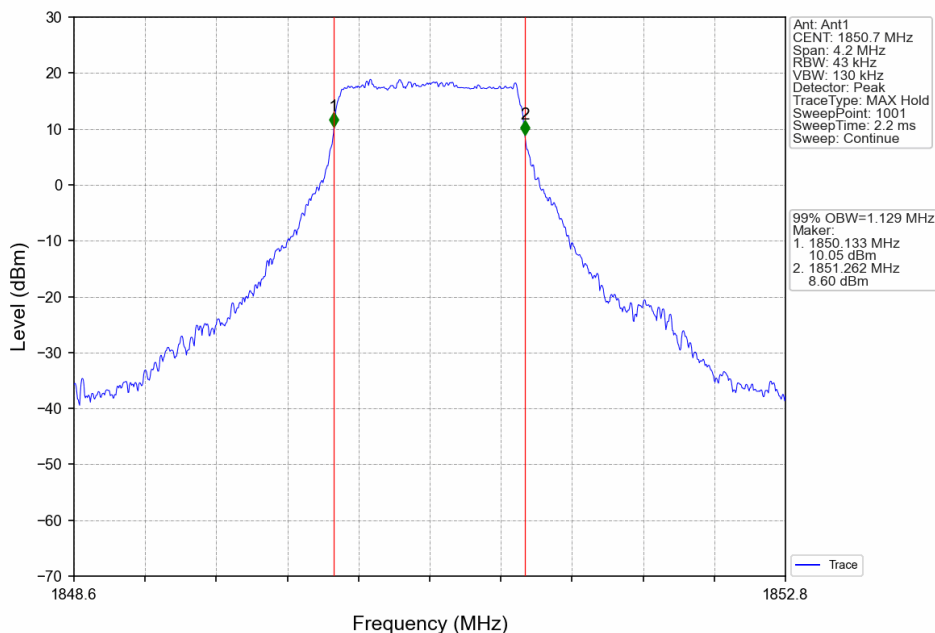
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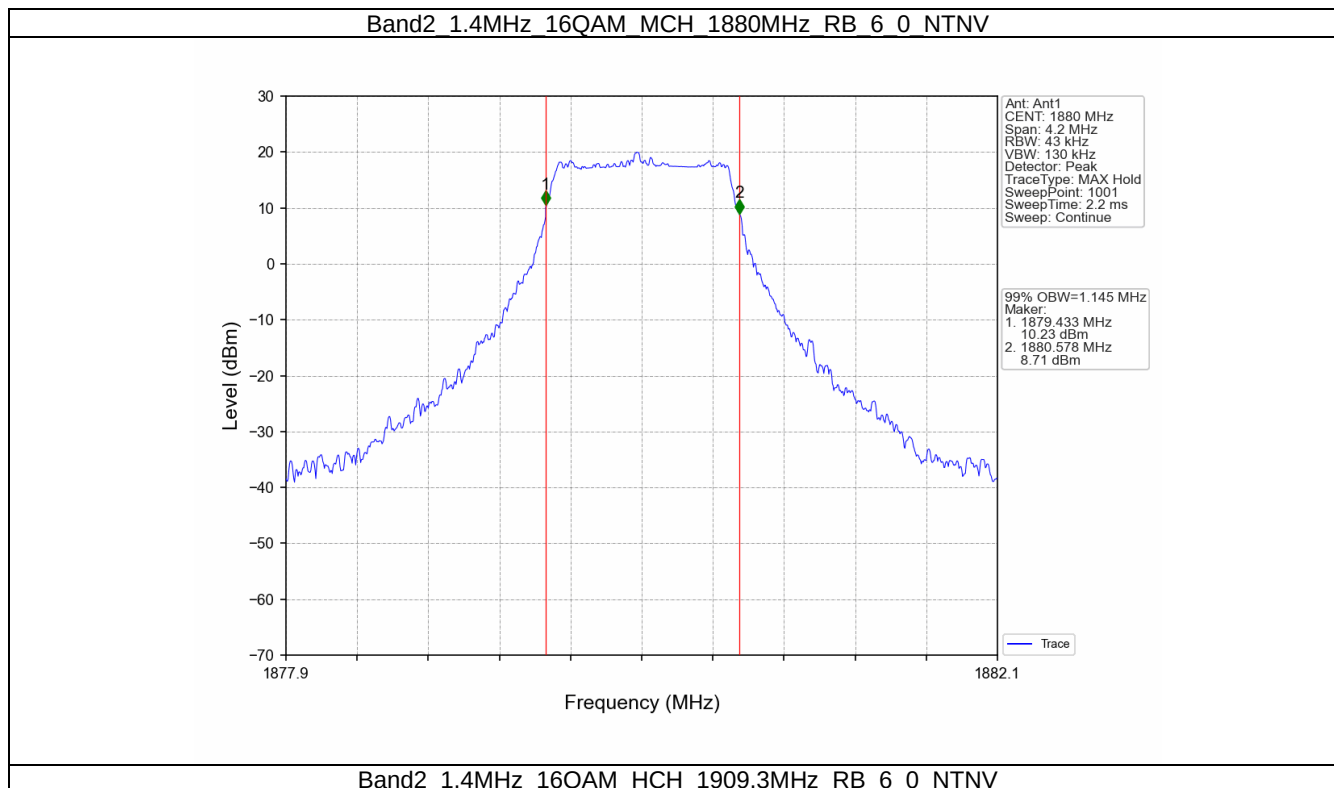
### 3.1.2 Test Graph











Band2 1.4MHz 16QAM HCH 1909.3MHz RB 6 0 NTNV

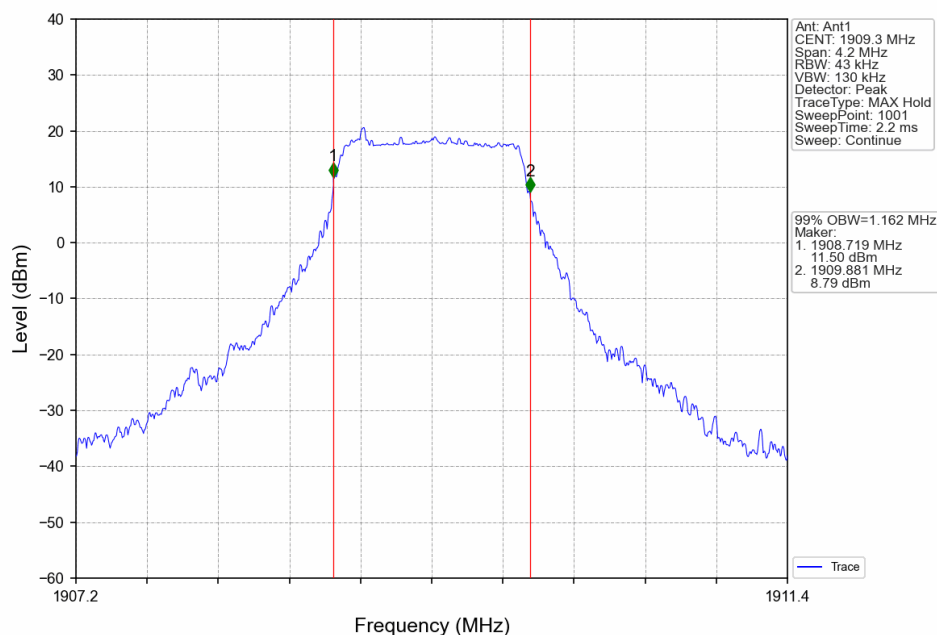


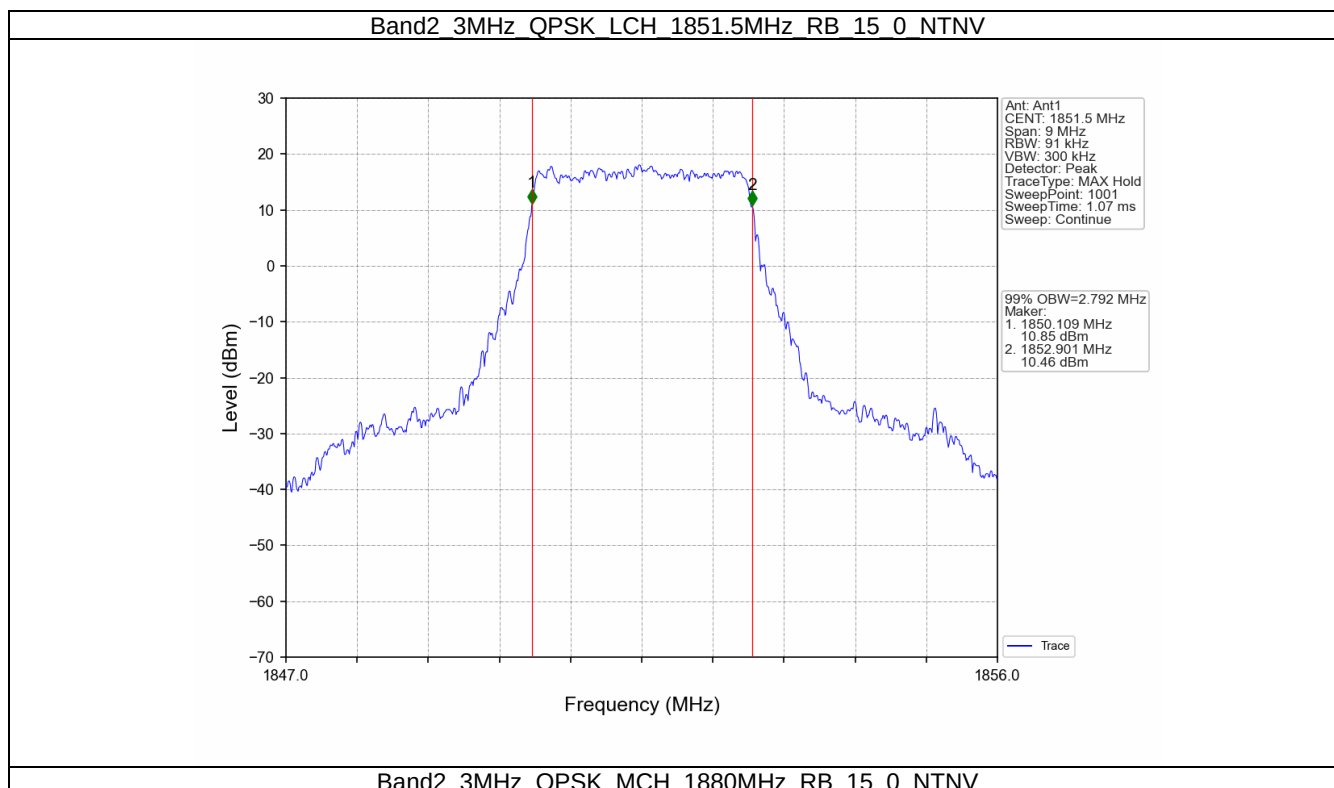
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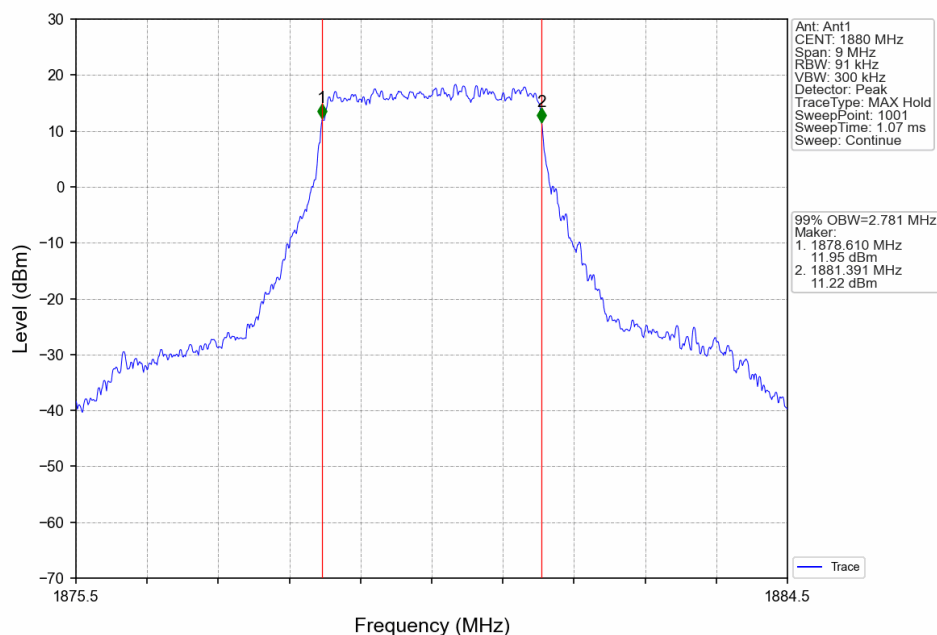
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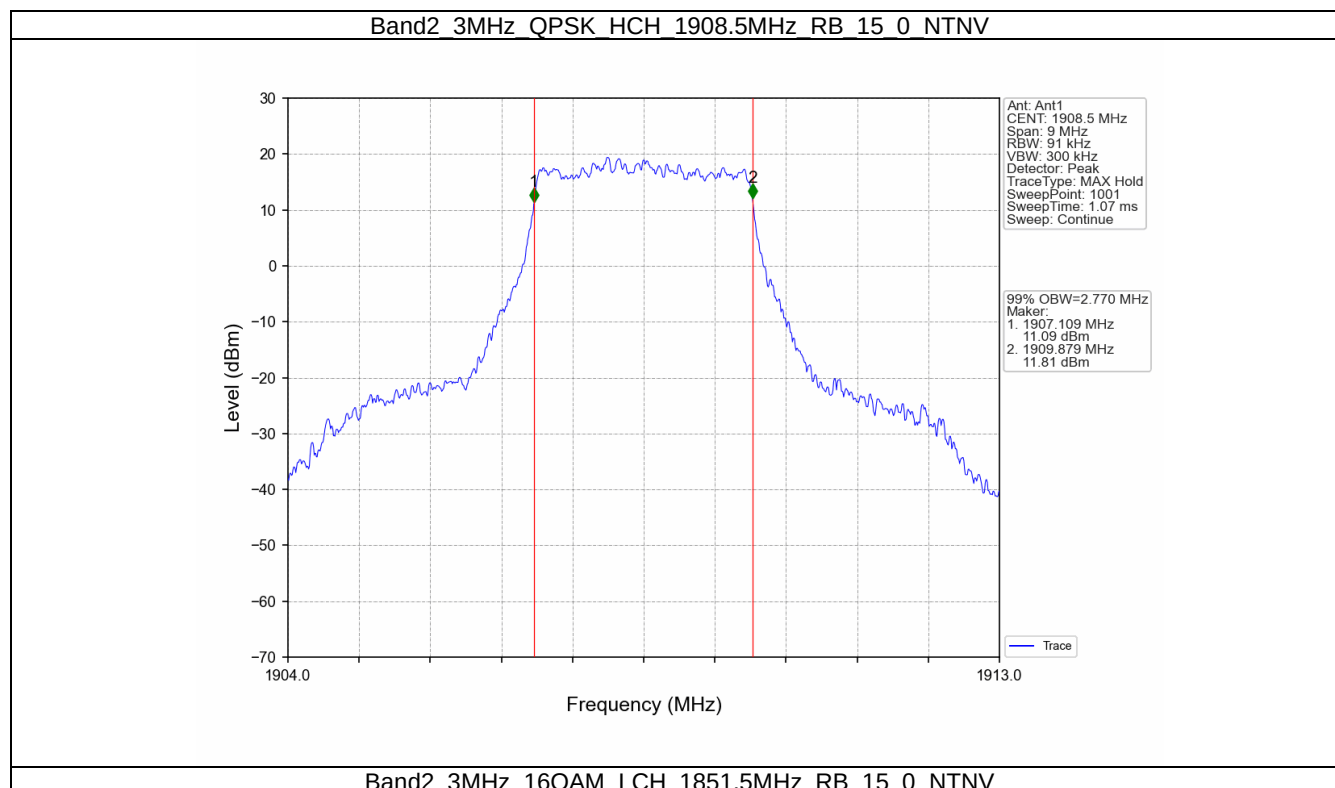
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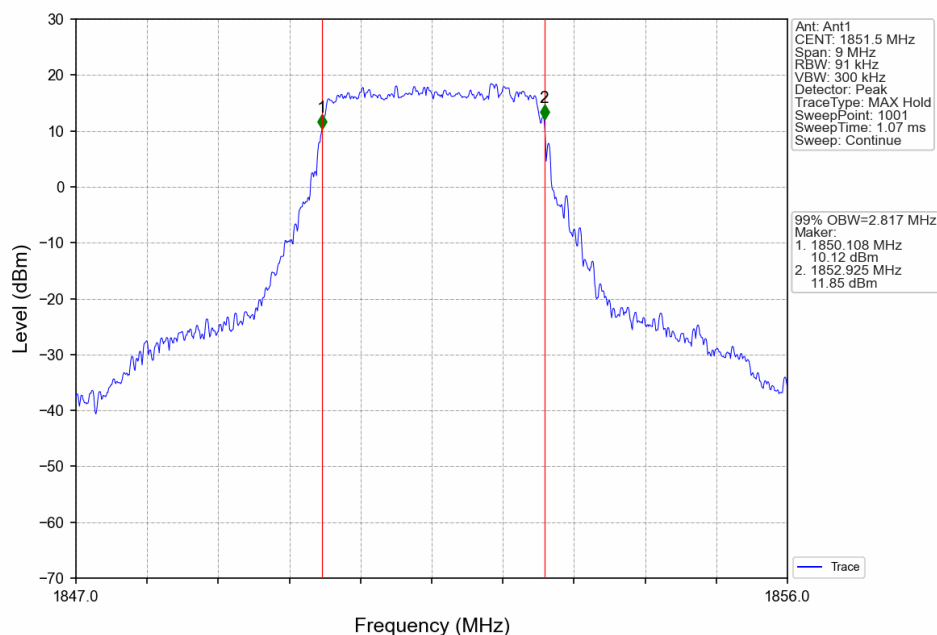
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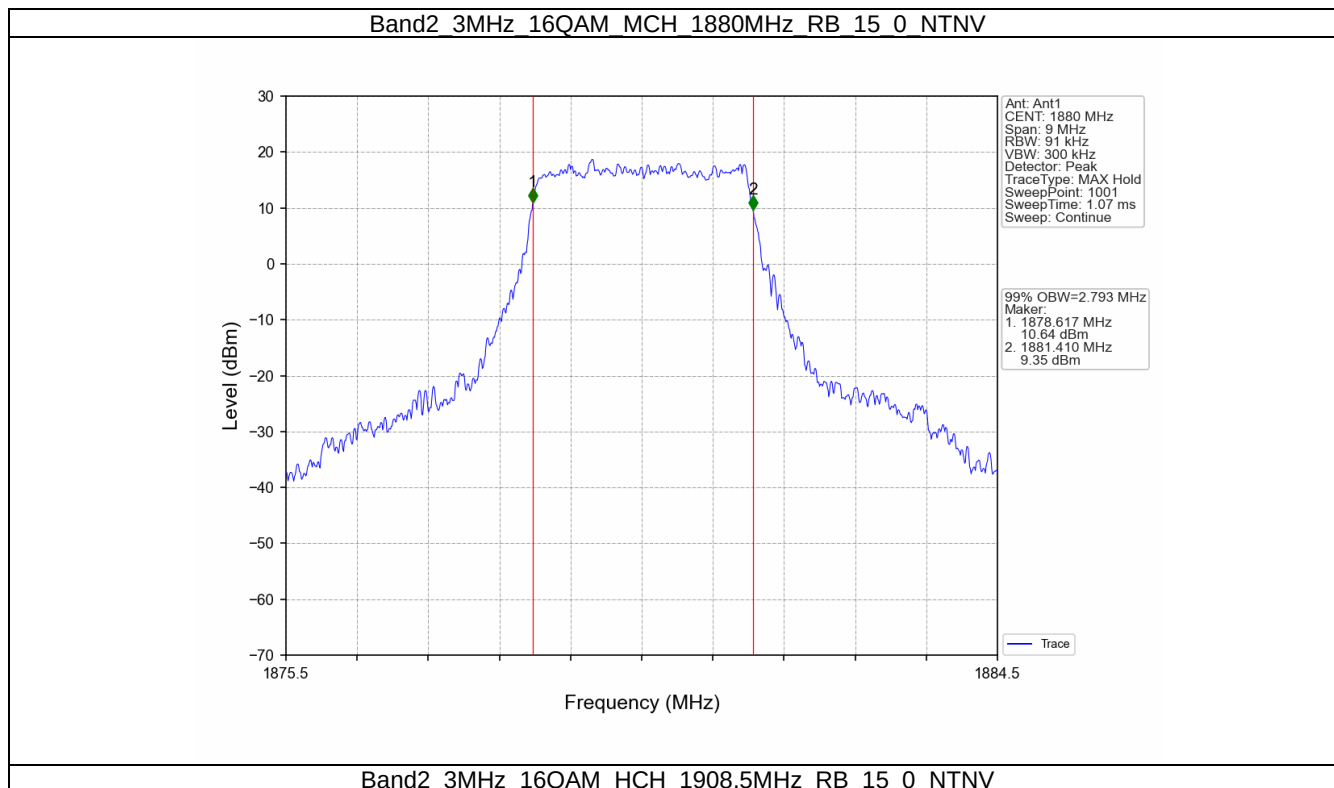


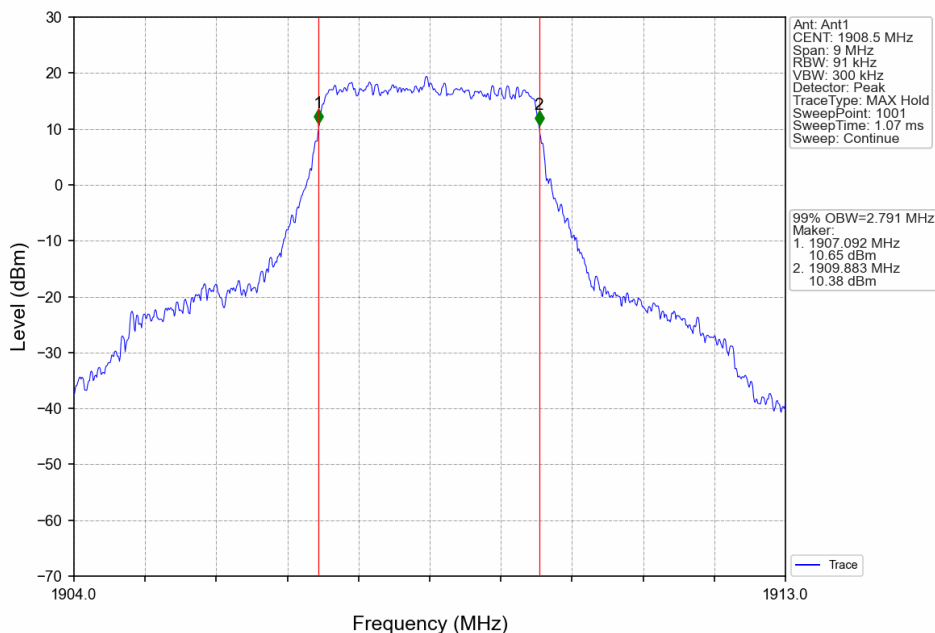


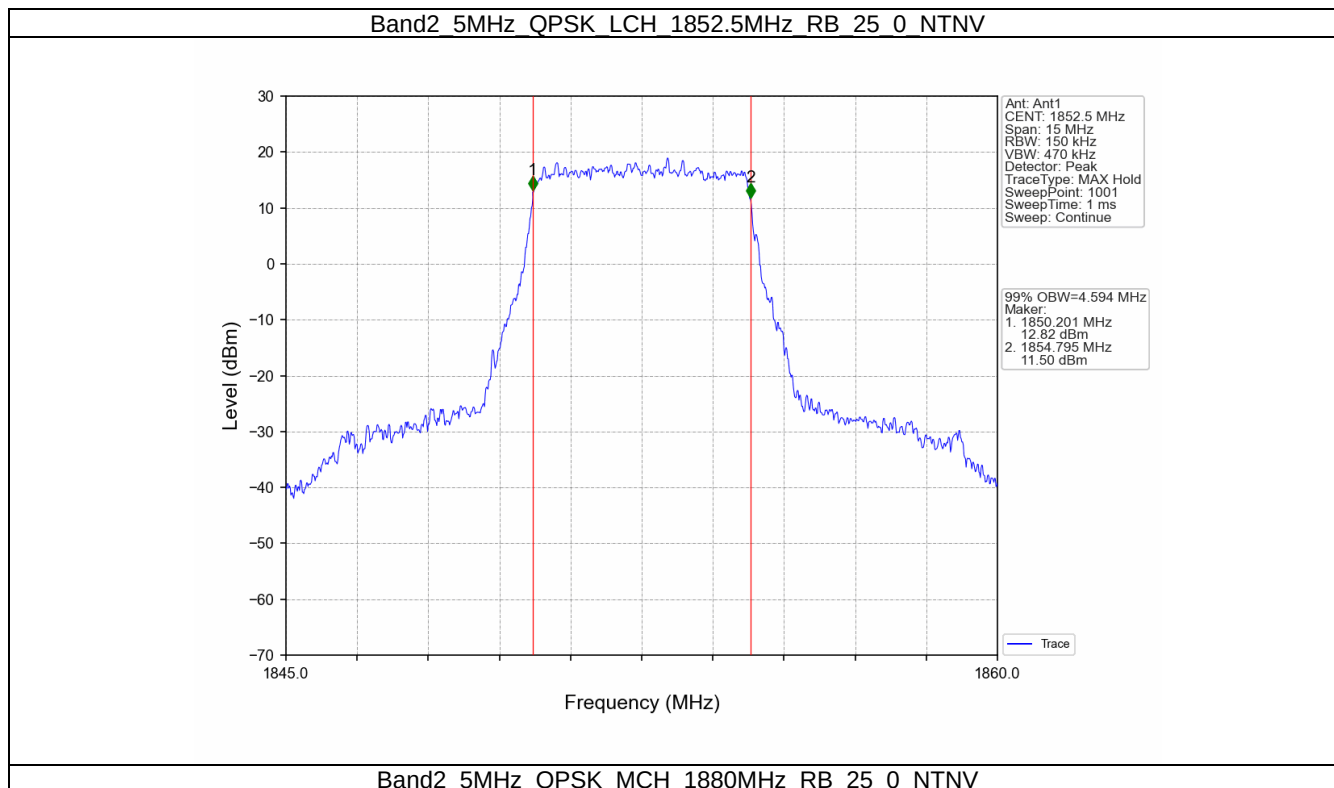


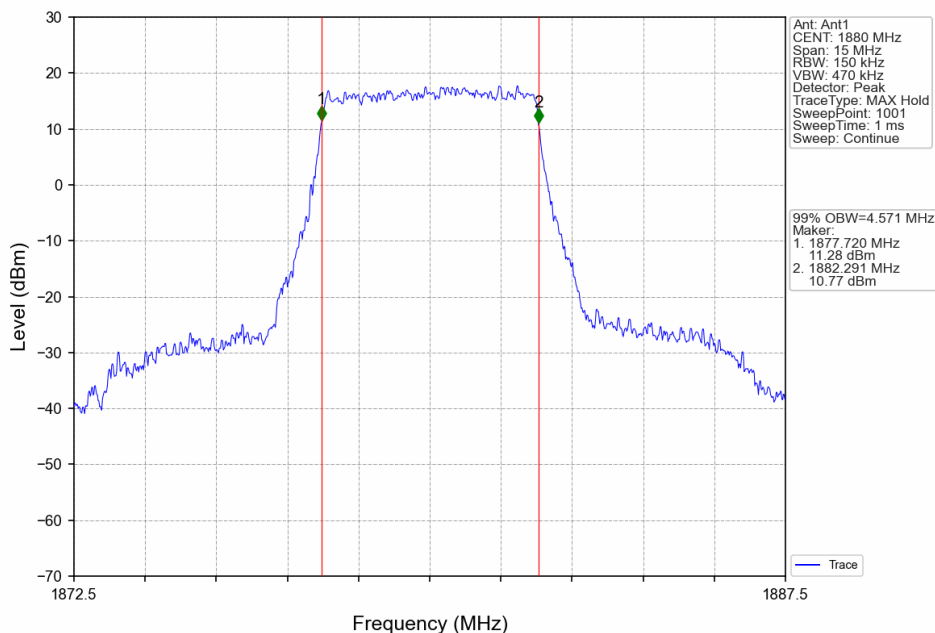


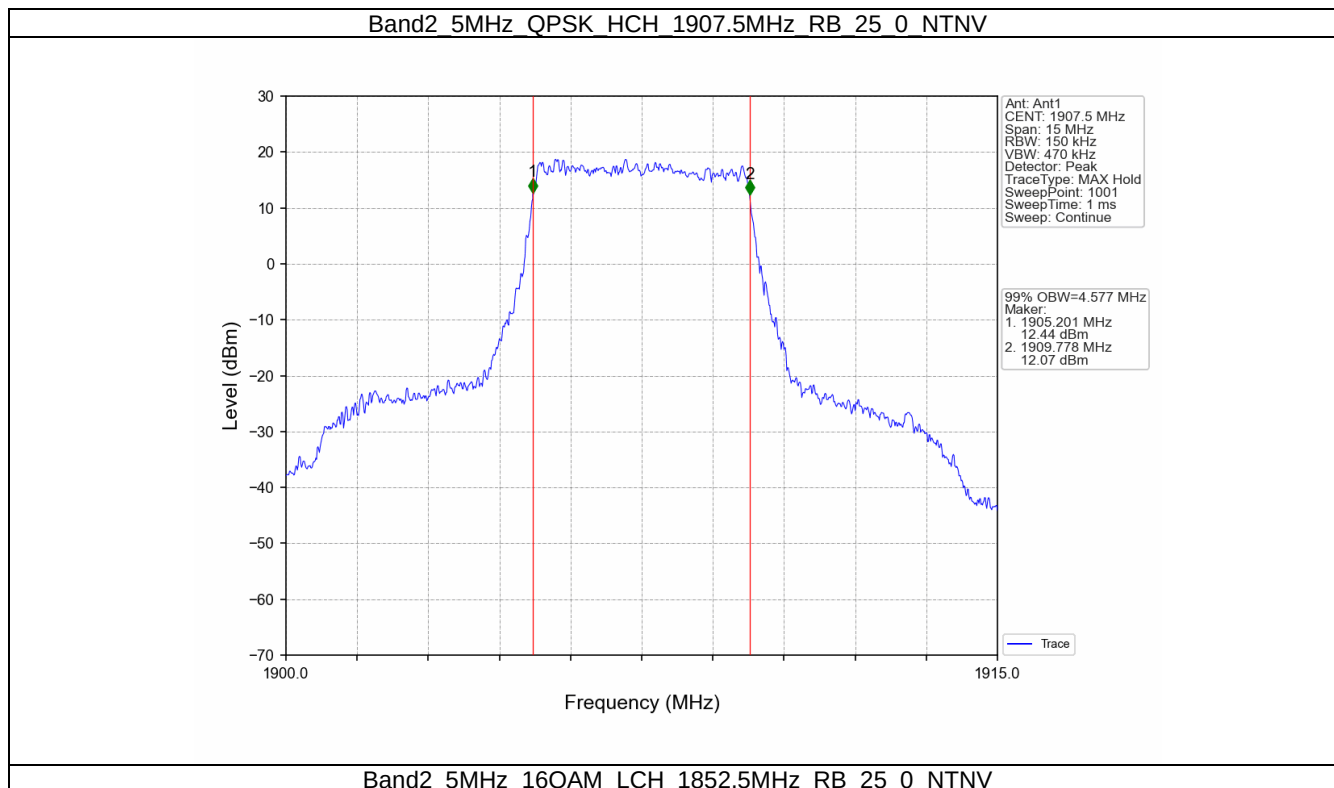


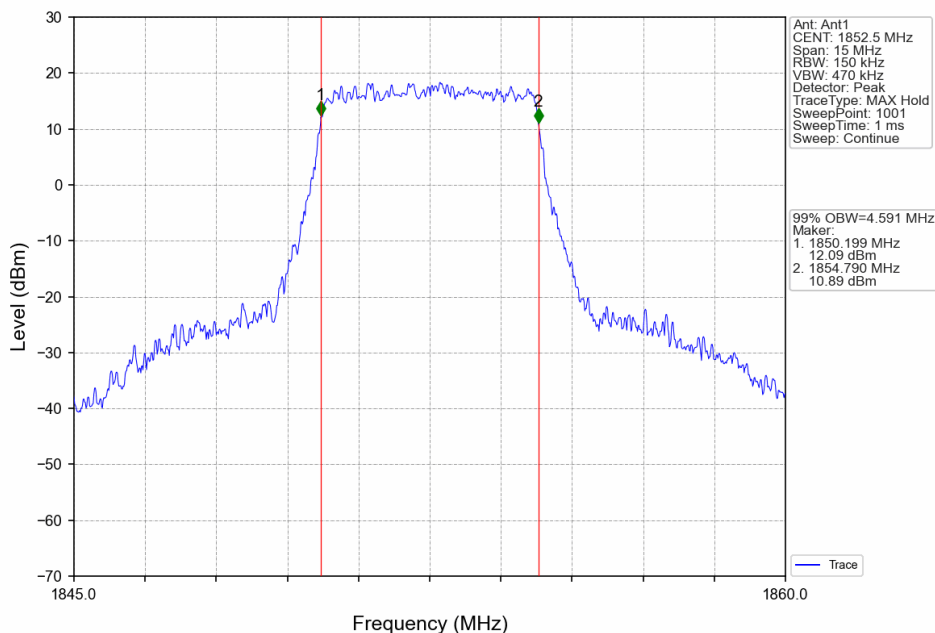


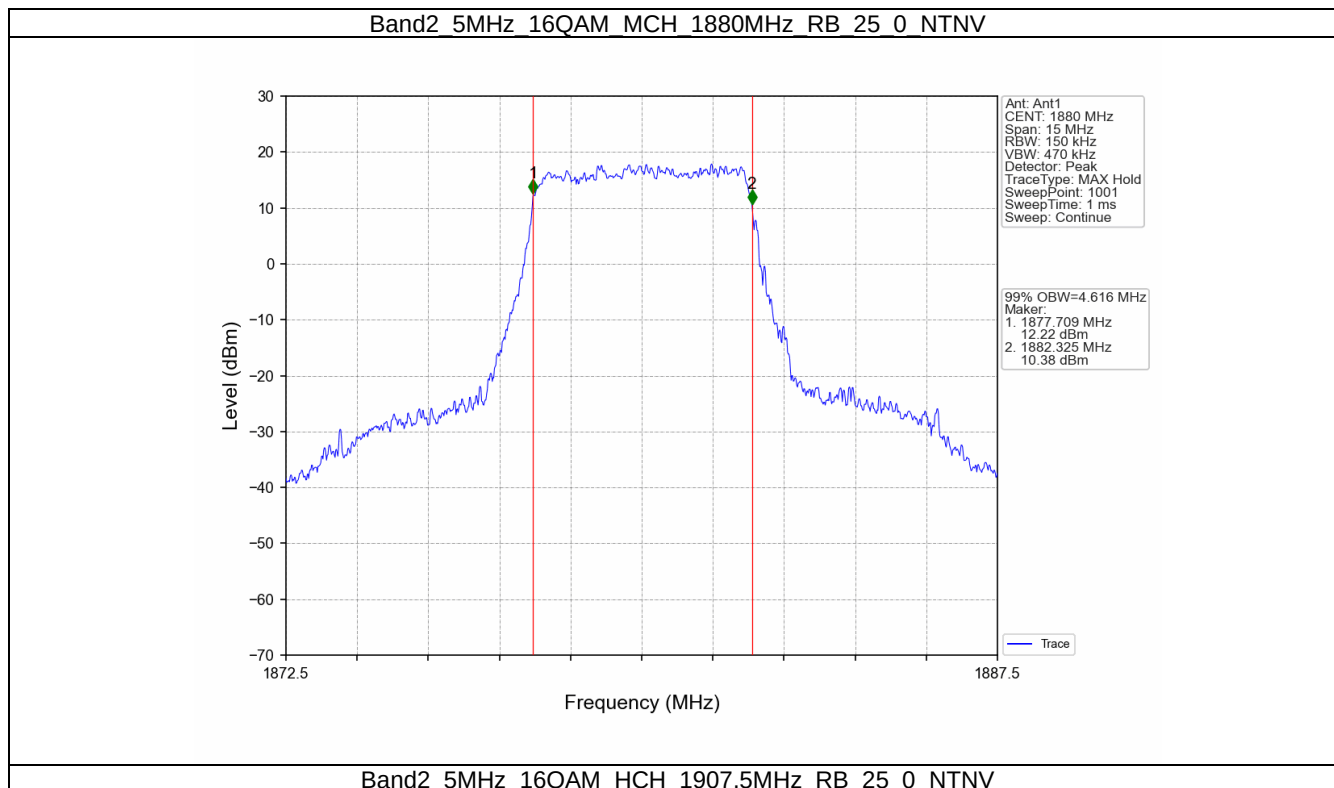


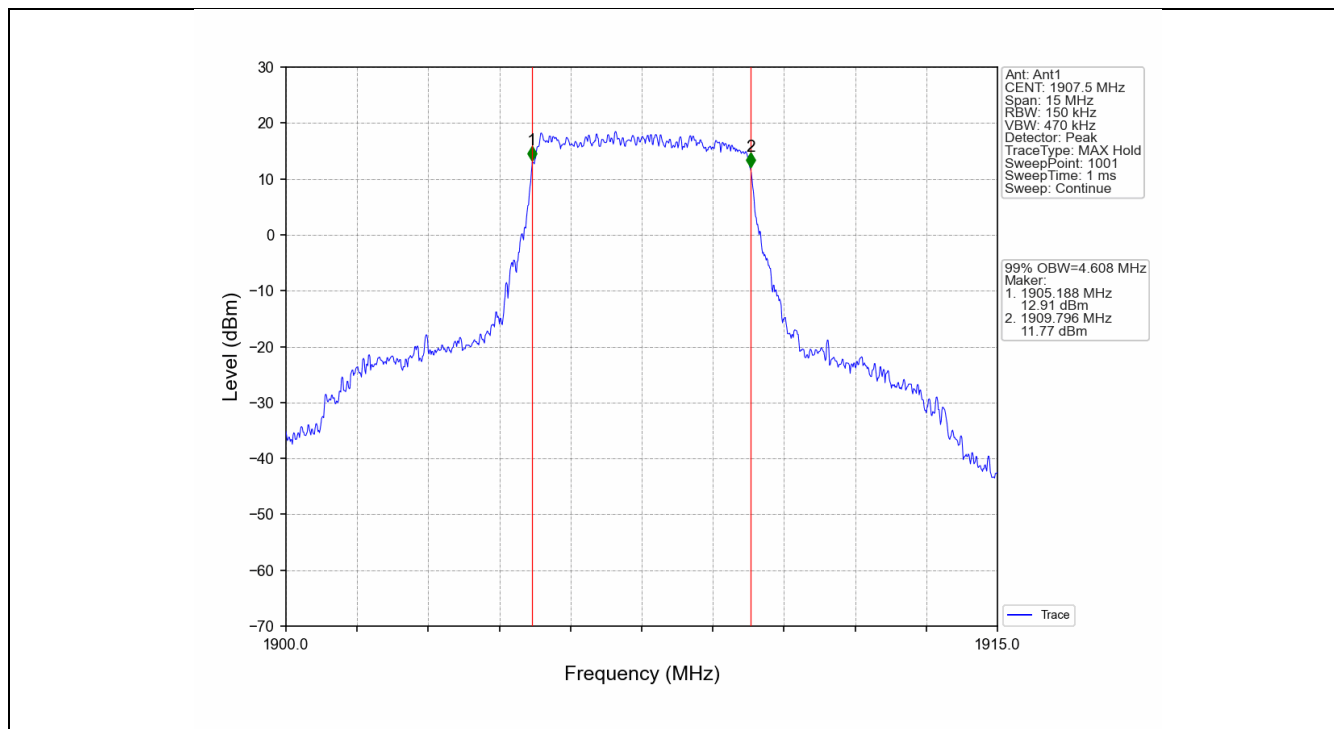


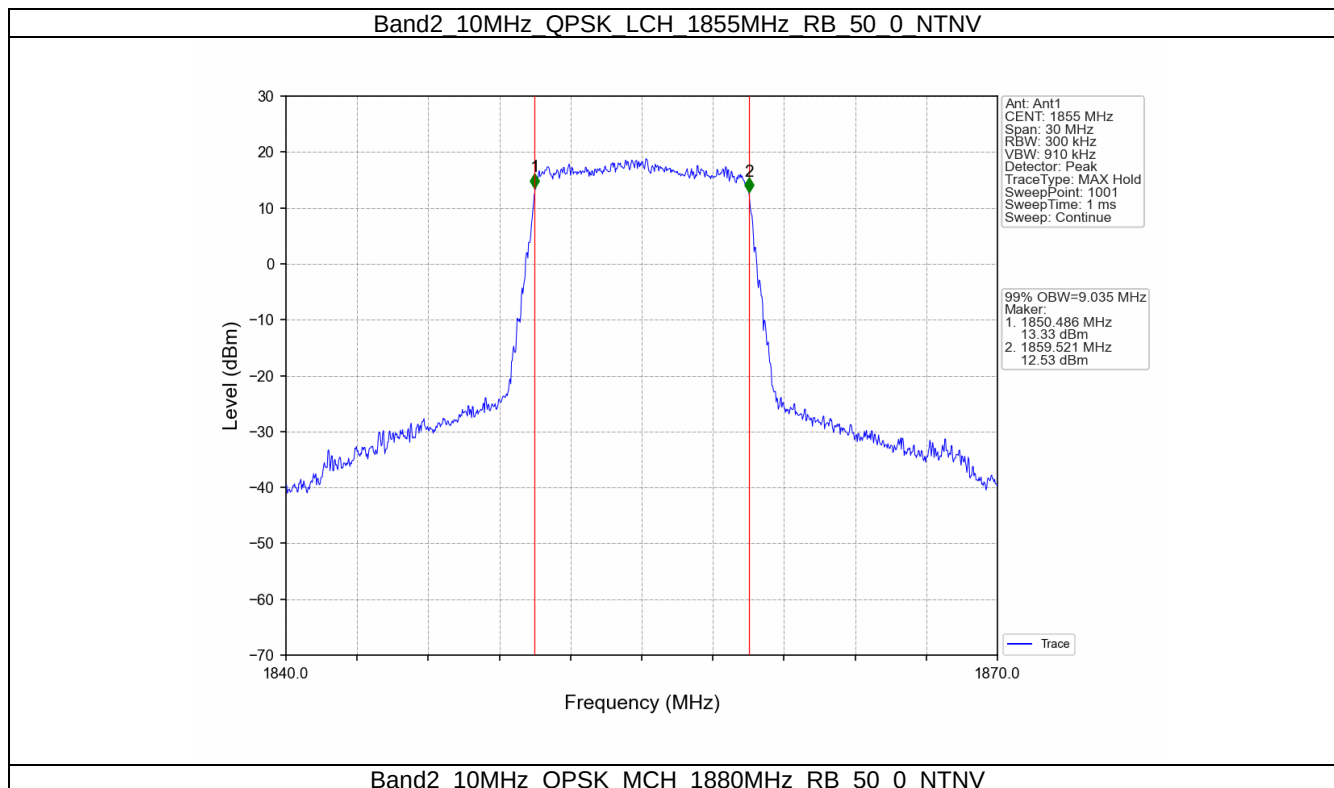


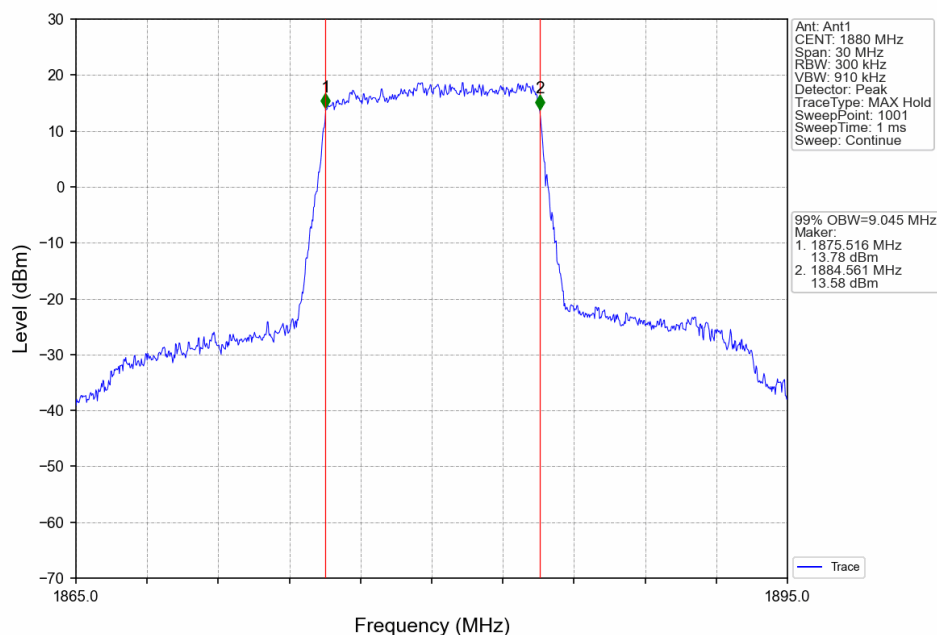


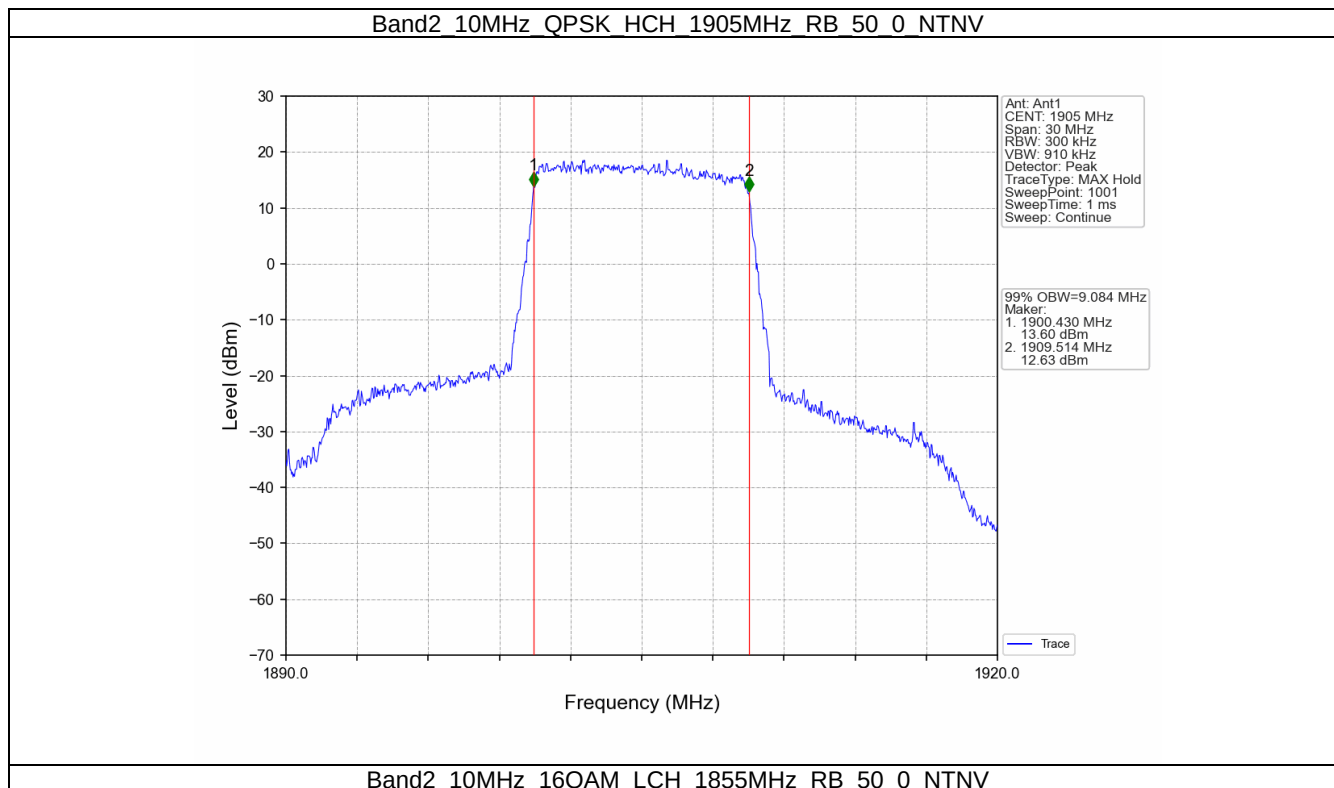


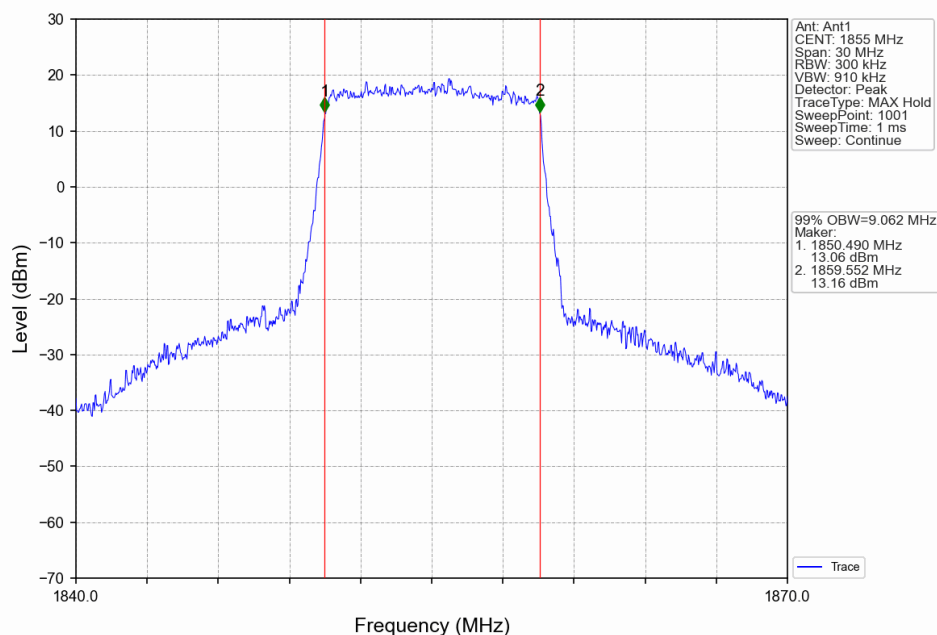


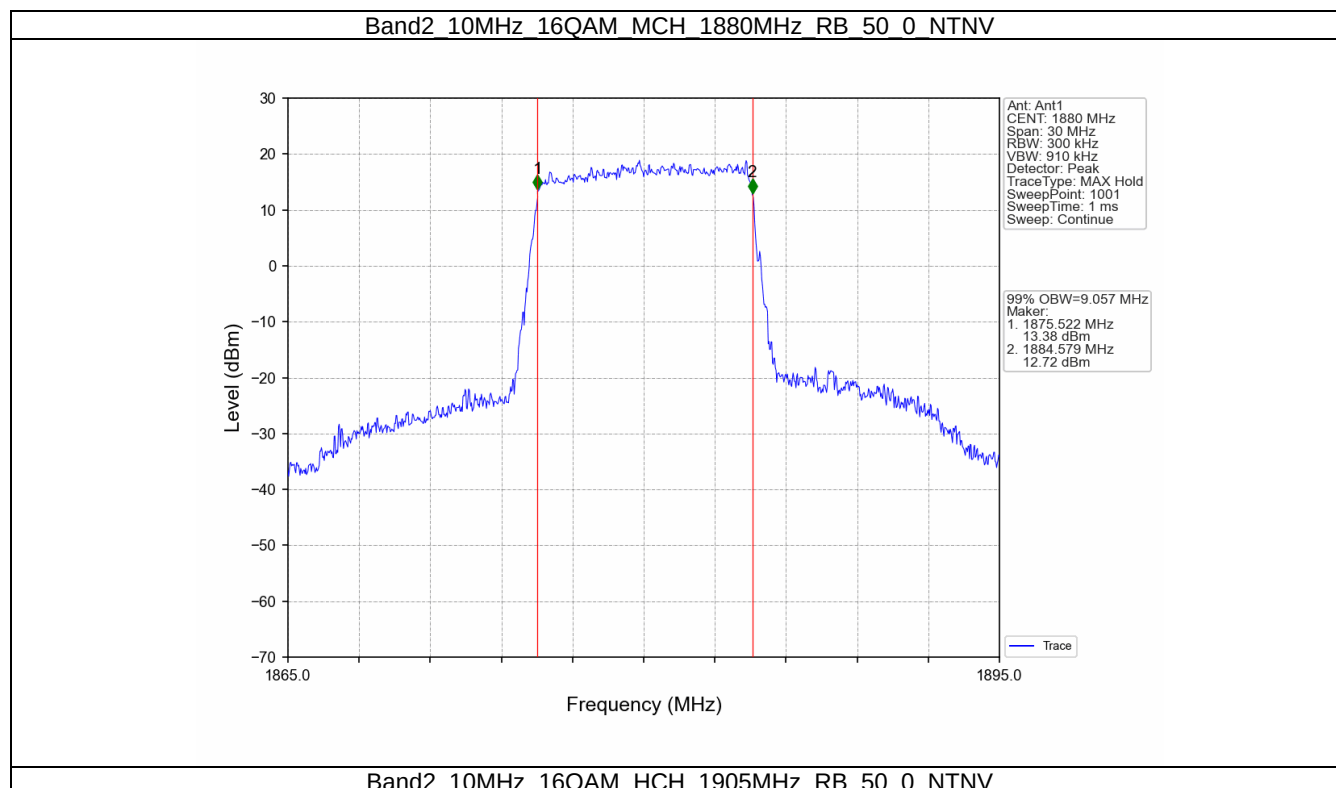


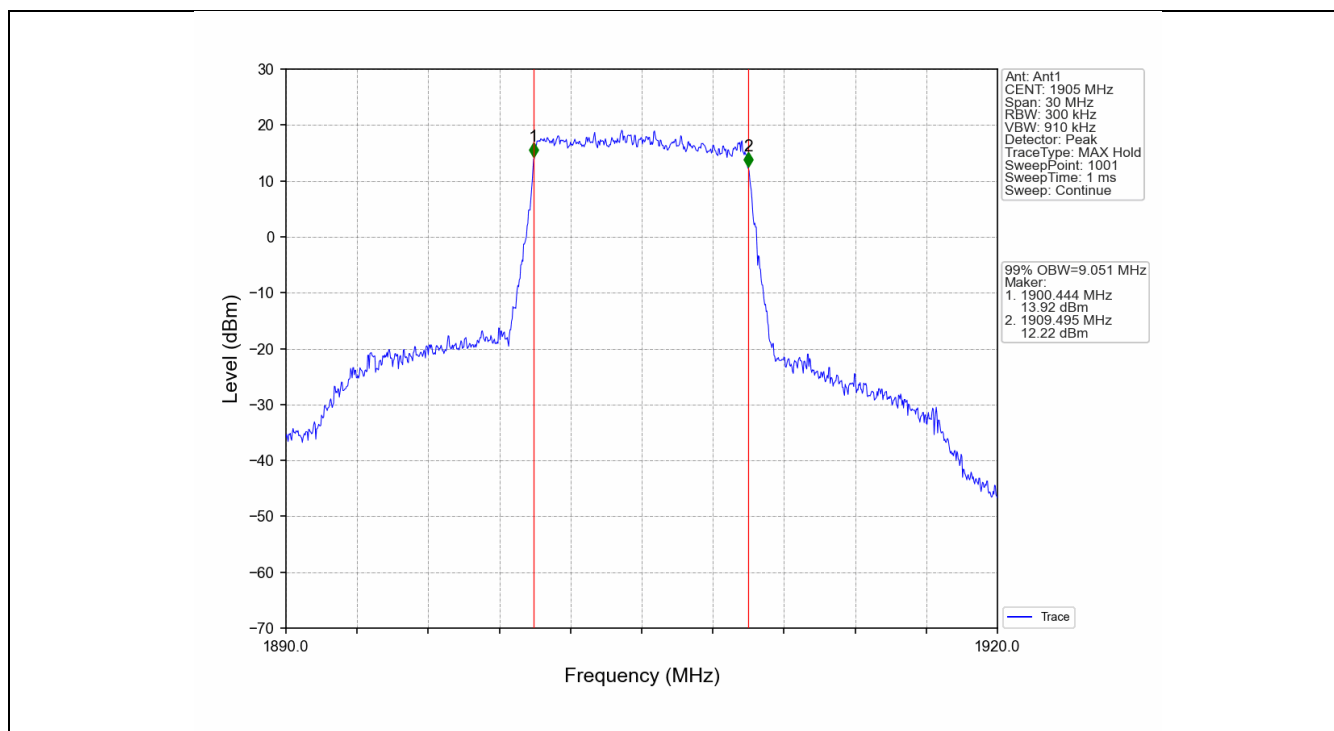


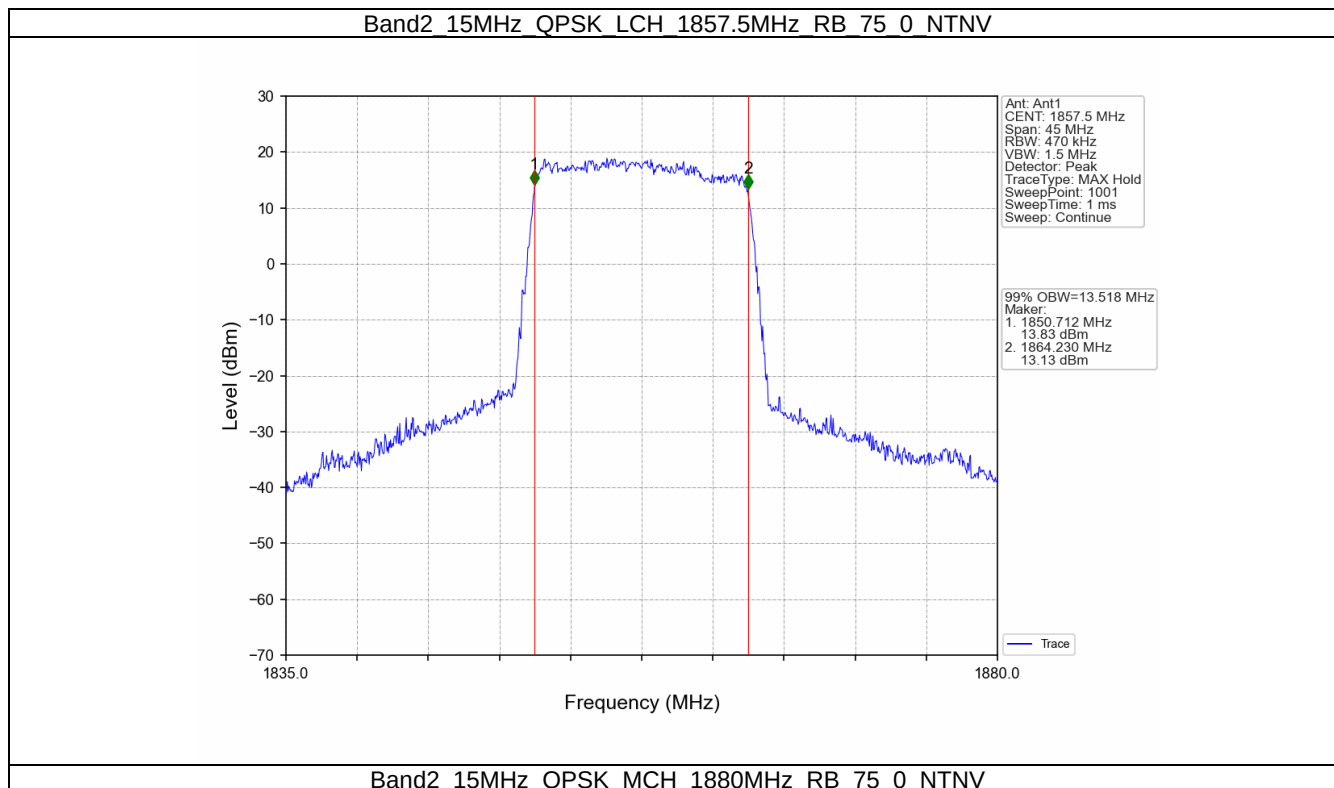


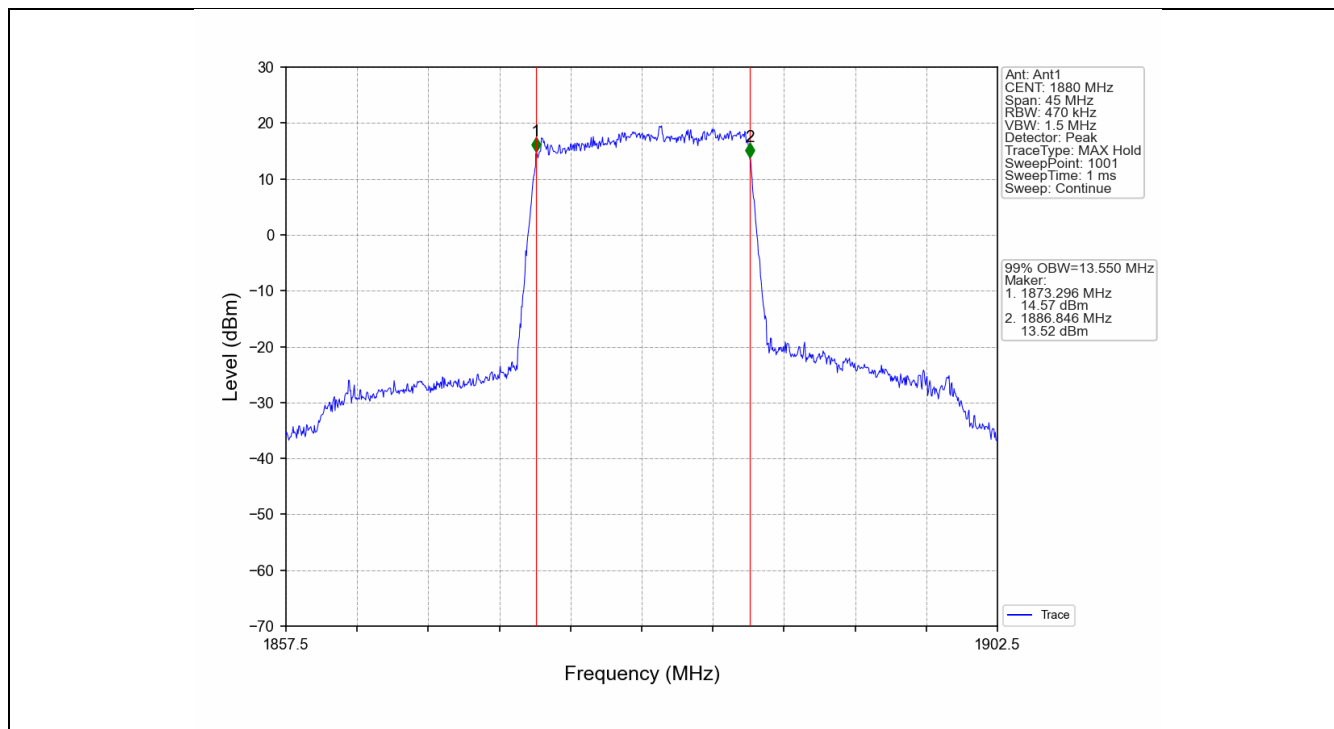


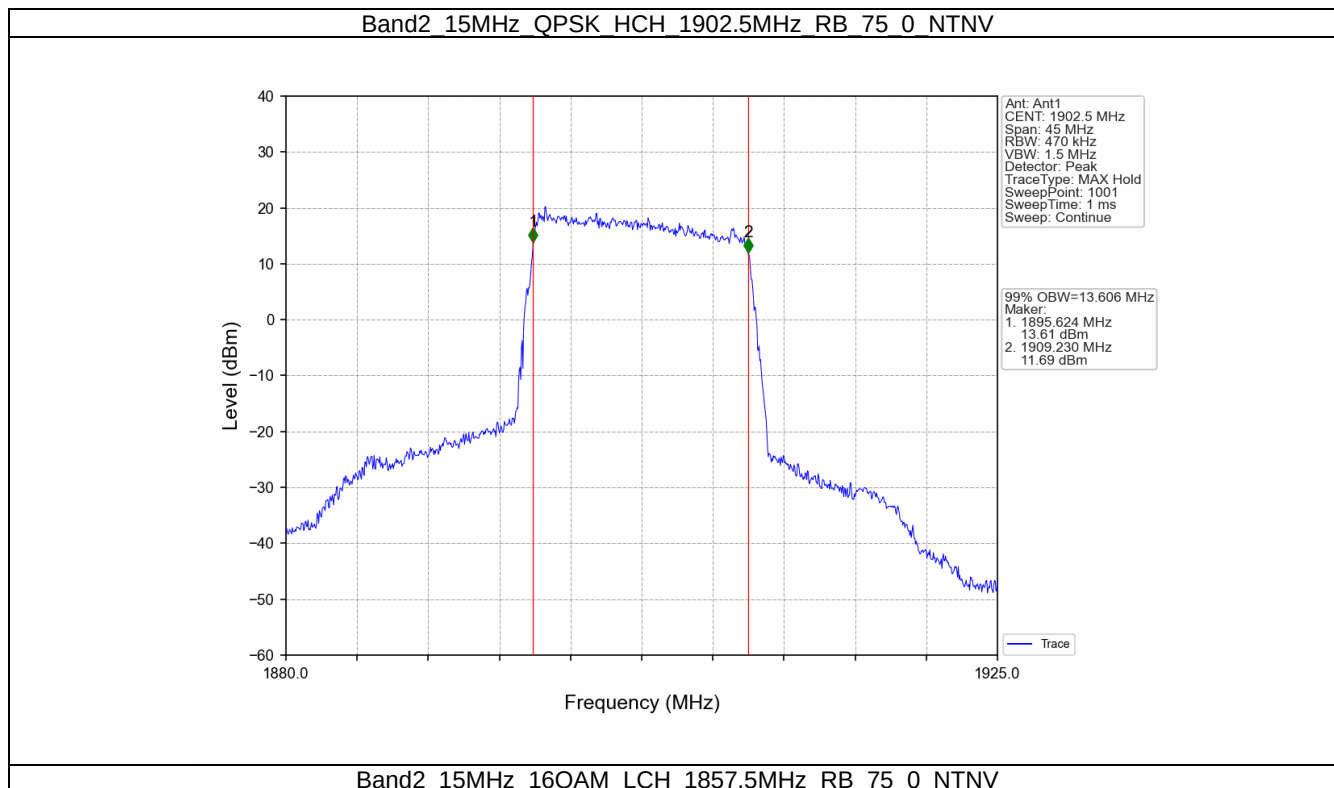






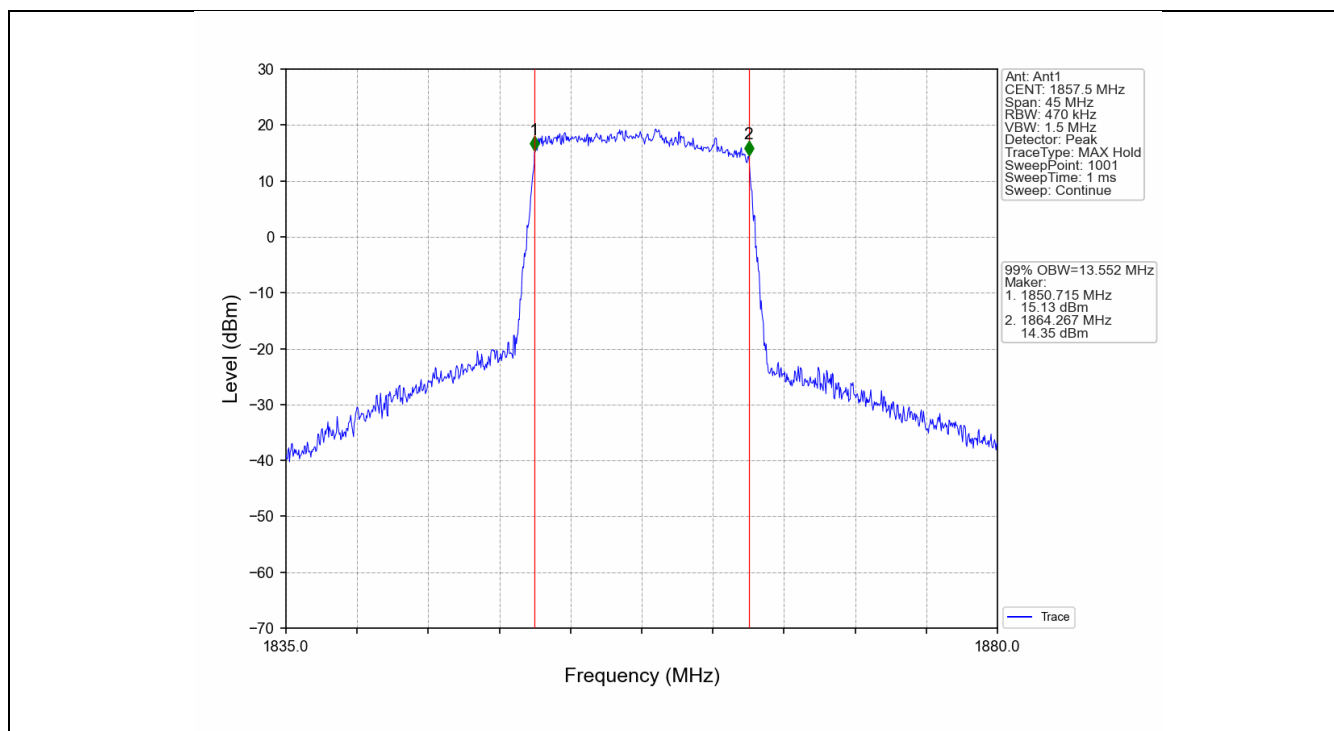


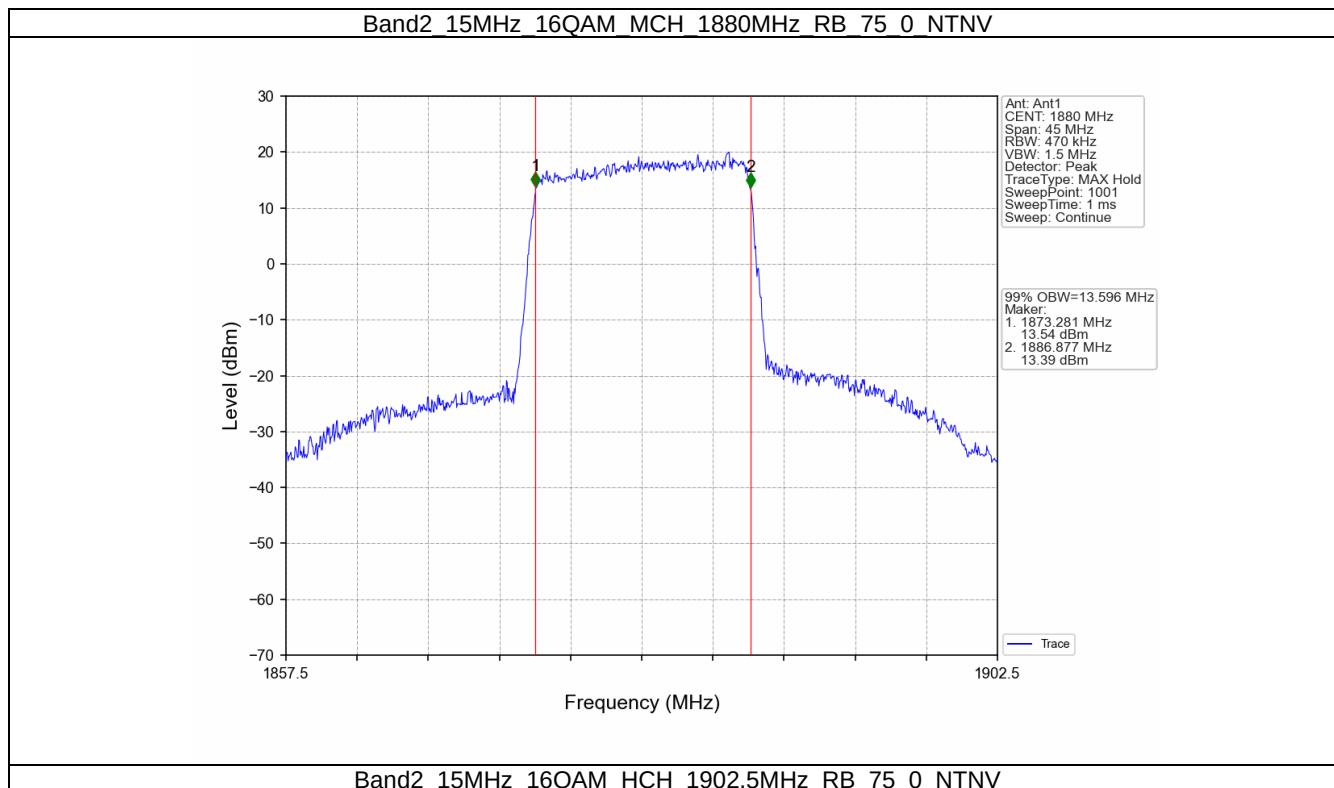




Band2 15MHz 16QAM LCH 1857.5MHz RB 75 0 NTNV







Band2 15MHz 16QAM HCH 1902.5MHz RB 75 0 NTNV



