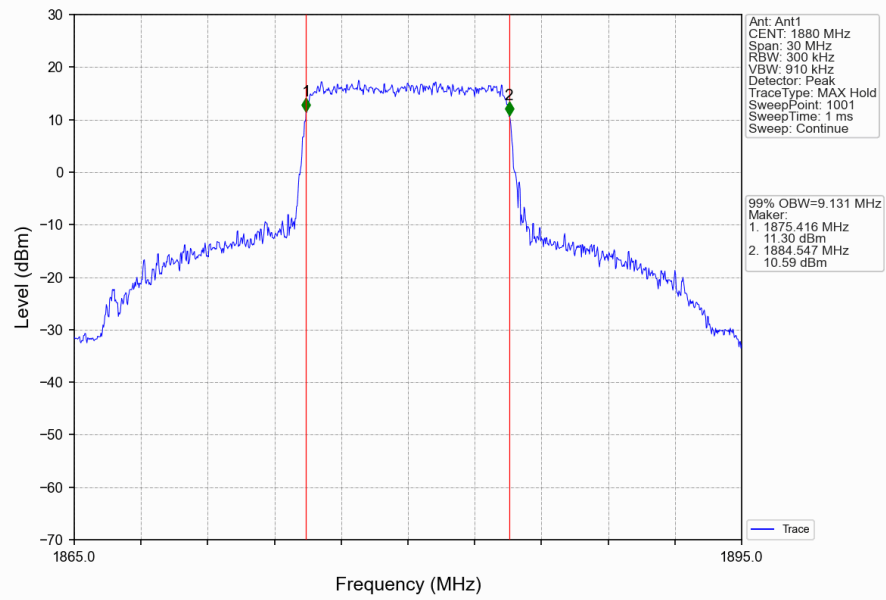
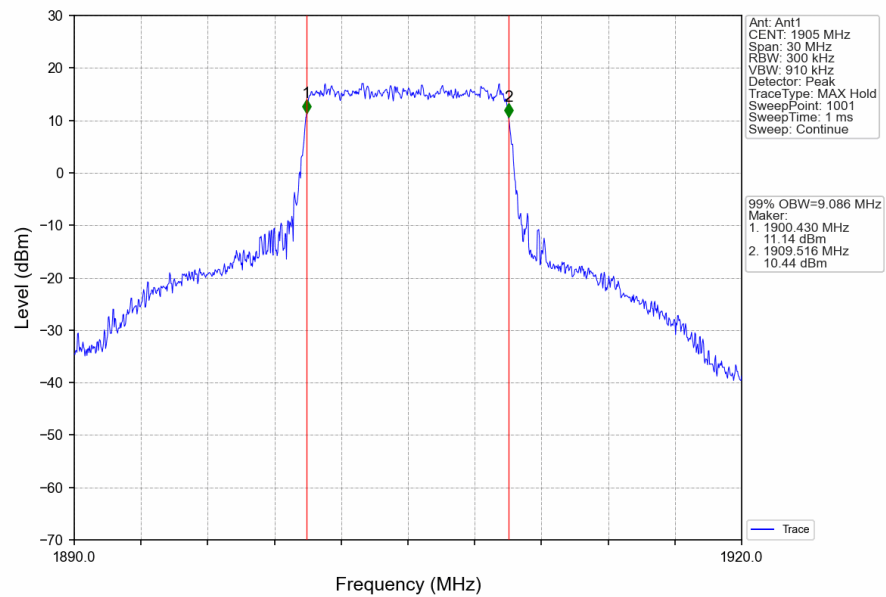


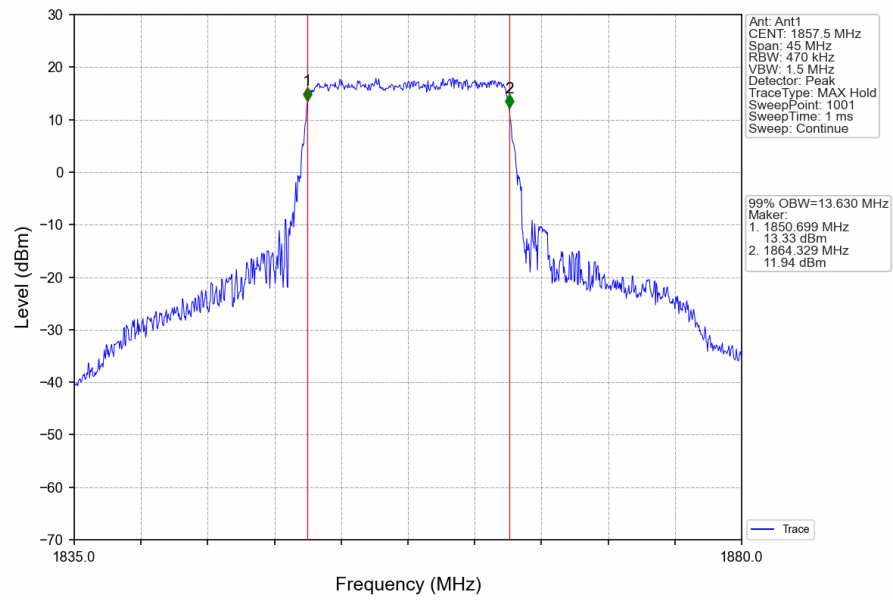
Band2\_10MHz\_16QAM\_MCH\_1880MHz\_RB\_50\_0\_NTNV



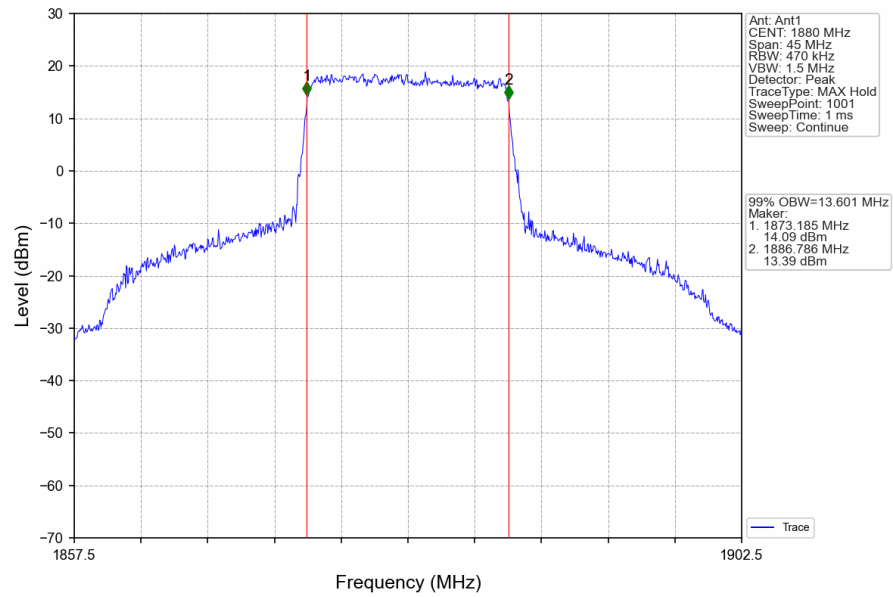
Band2\_10MHz\_16QAM\_HCH\_1905MHz\_RB\_50\_0\_NTNV



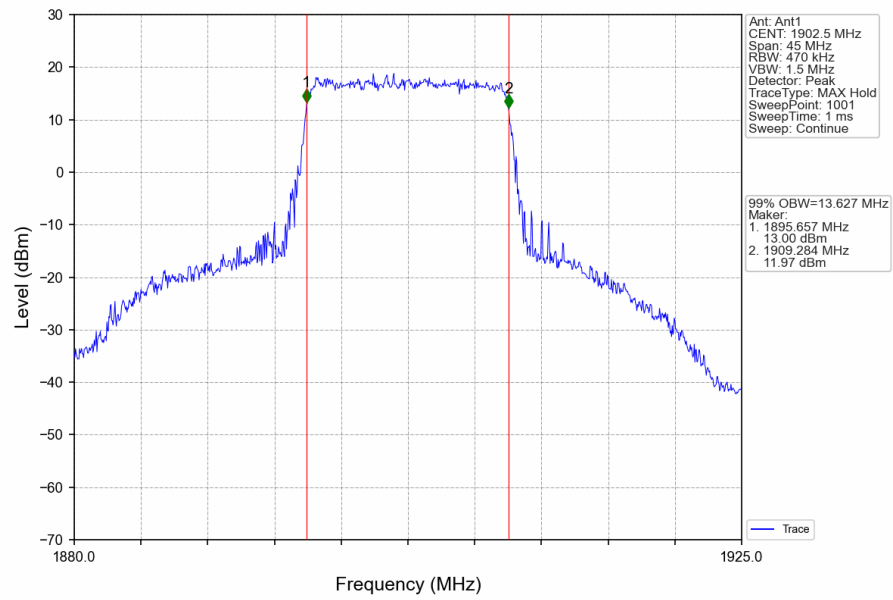
Band2\_15MHz\_QPSK\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV



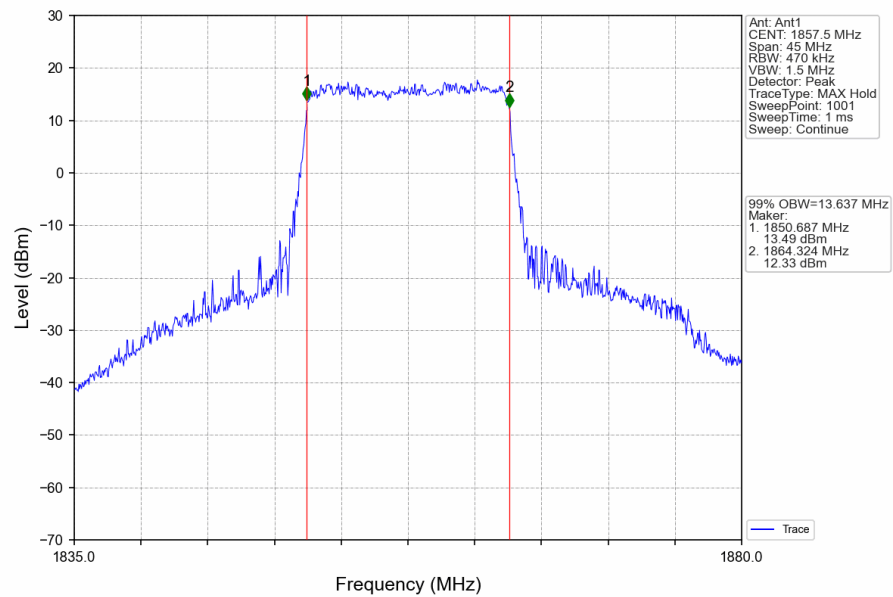
Band2\_15MHz\_QPSK\_MCH\_1880MHz\_RB\_75\_0\_NTNV



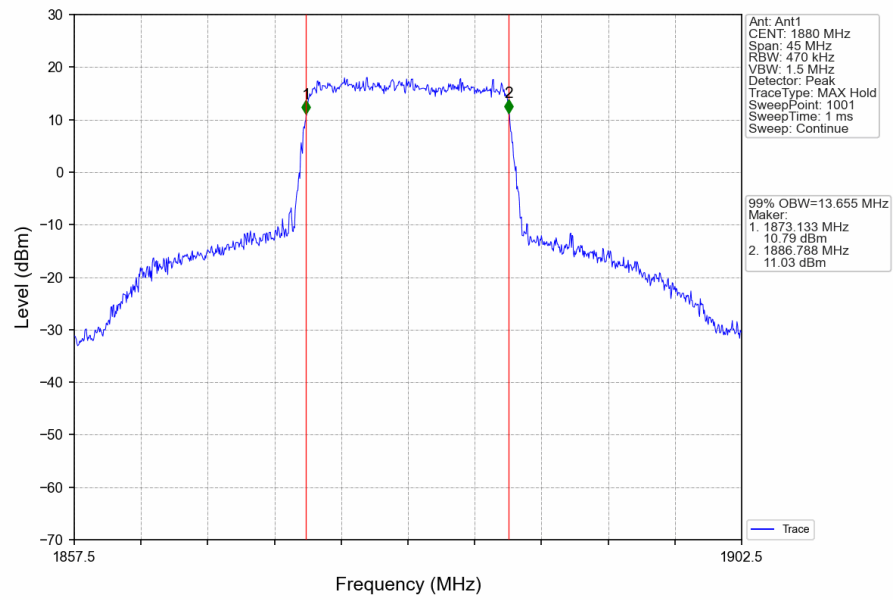
Band2\_15MHz\_QPSK\_HCH\_1902.5MHz\_RB\_75\_0\_NTNV



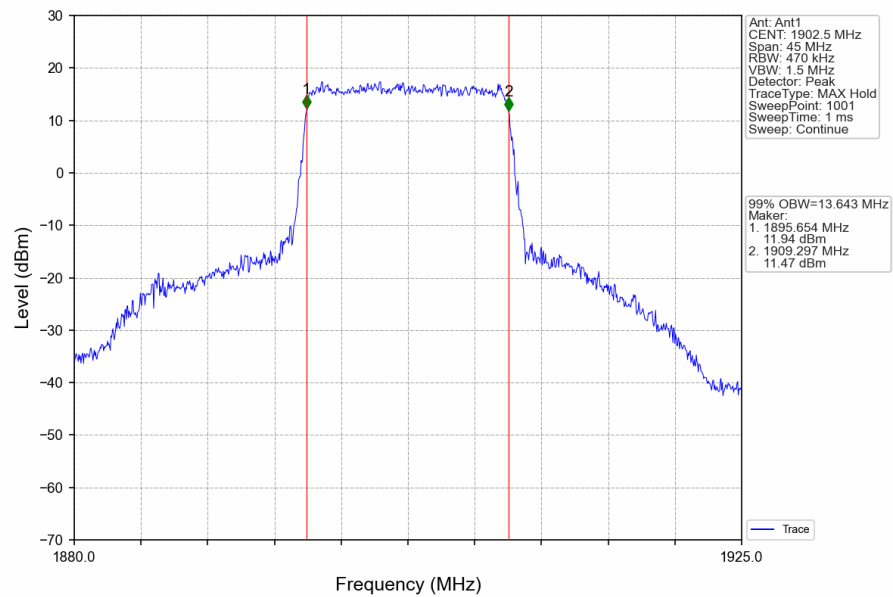
Band2\_15MHz\_16QAM\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV



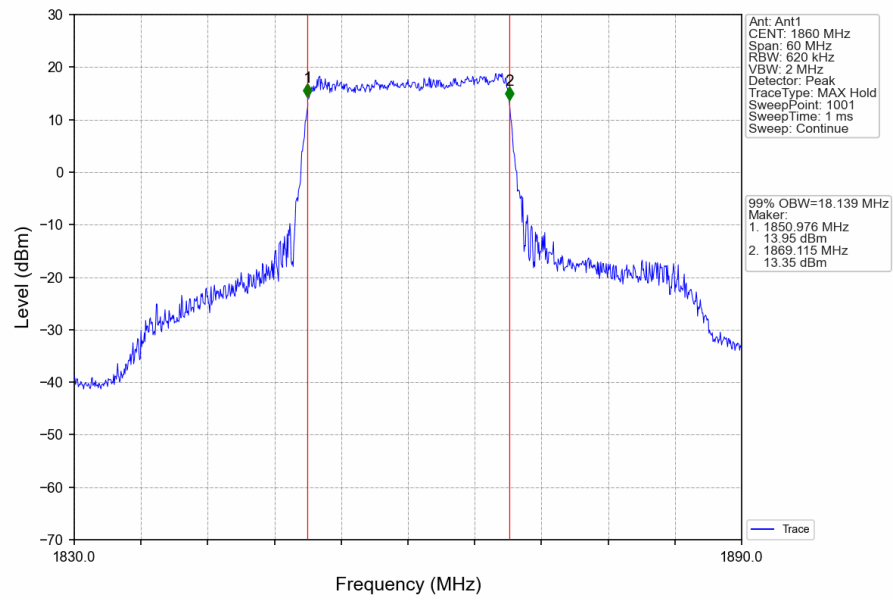
Band2\_15MHz\_16QAM\_MCH\_1880MHz\_RB\_75\_0\_NTNV



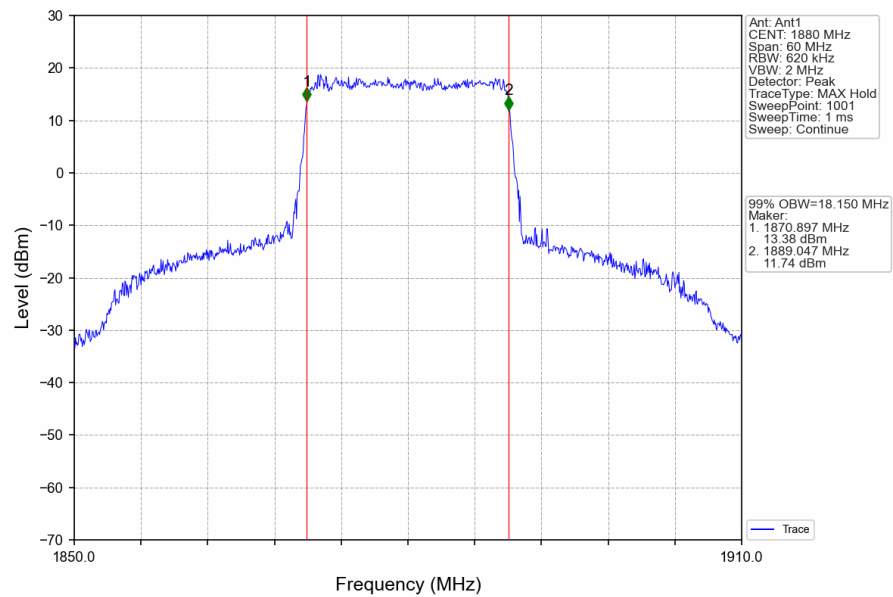
Band2\_15MHz\_16QAM\_HCH\_1902.5MHz\_RB\_75\_0\_NTNV



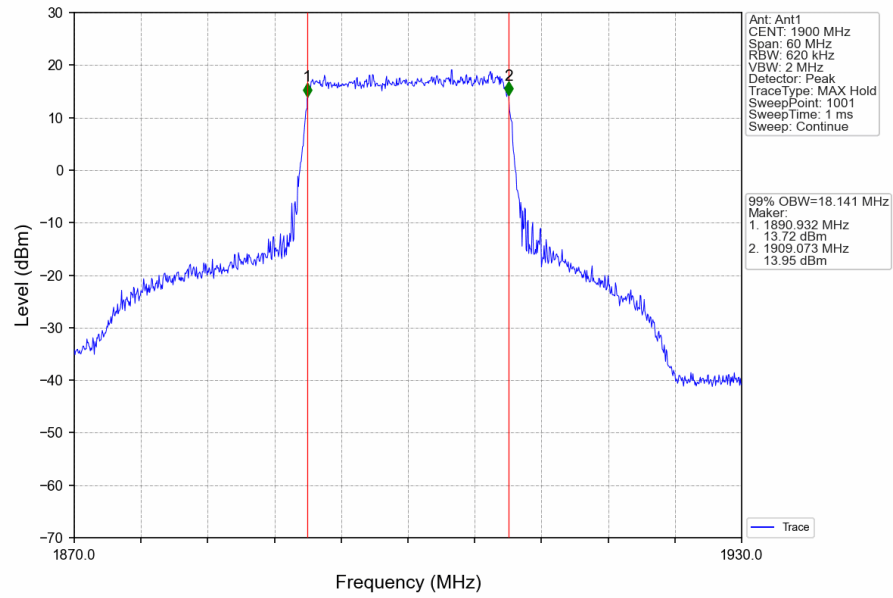
Band2\_20MHz\_QPSK\_LCH\_1860MHz\_RB\_100\_0\_NTNV



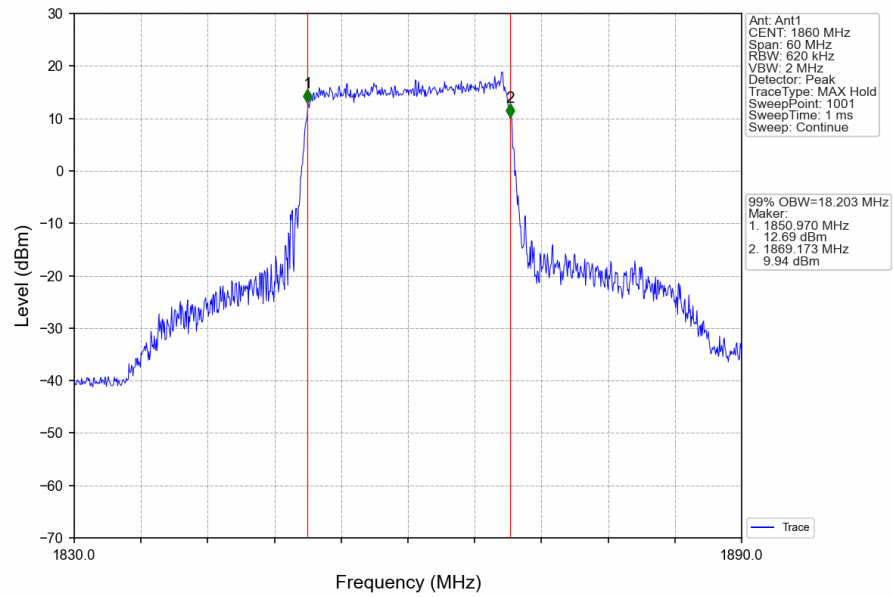
Band2\_20MHz\_QPSK\_MCH\_1880MHz\_RB\_100\_0\_NTNV



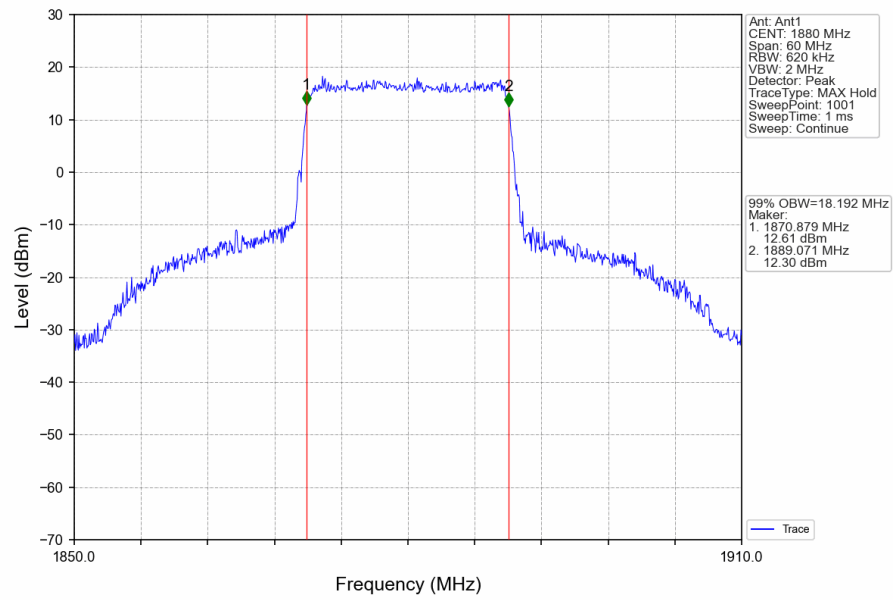
Band2\_20MHz\_QPSK\_HCH\_1900MHz\_RB\_100\_0\_NTNV



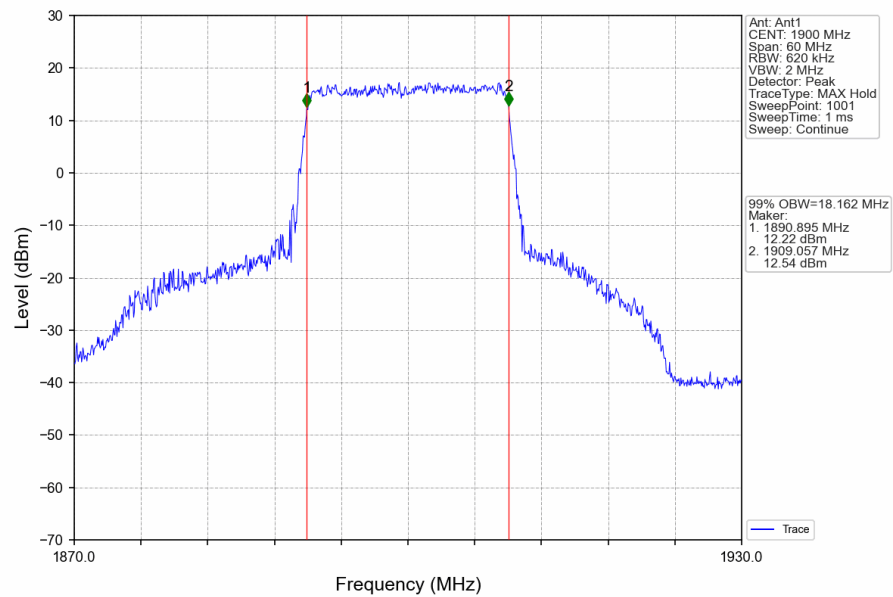
Band2\_20MHz\_16QAM\_LCH\_1860MHz\_RB\_100\_0\_NTNV



Band2 20MHz 16QAM MCH 1880MHz RB 100 0 NTN



Band2 20MHz 16QAM HCH 1900MHz RB 100 0 NTN



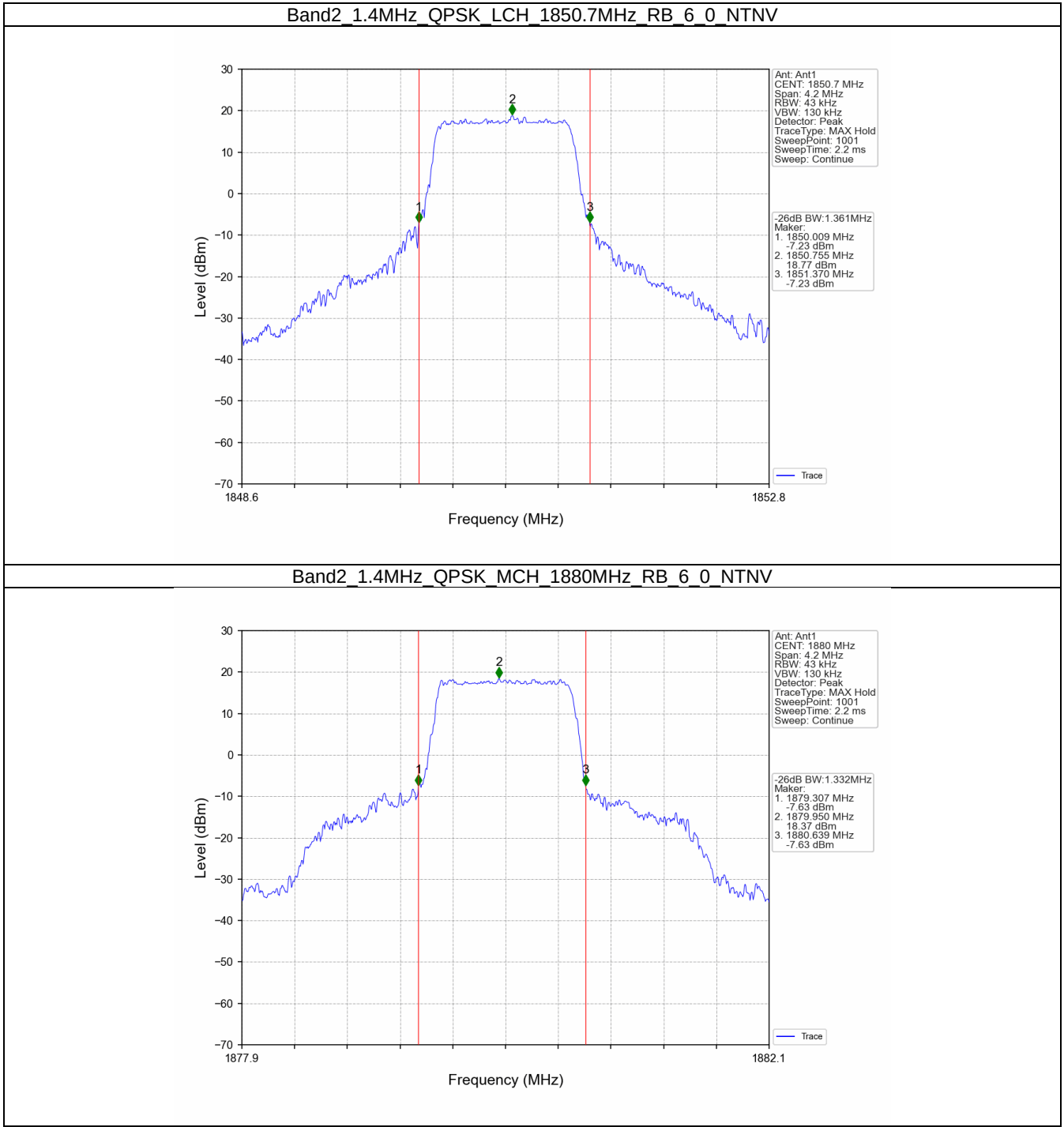
## 3.2 Band2\_XDB

### 3.2.1 Test Result

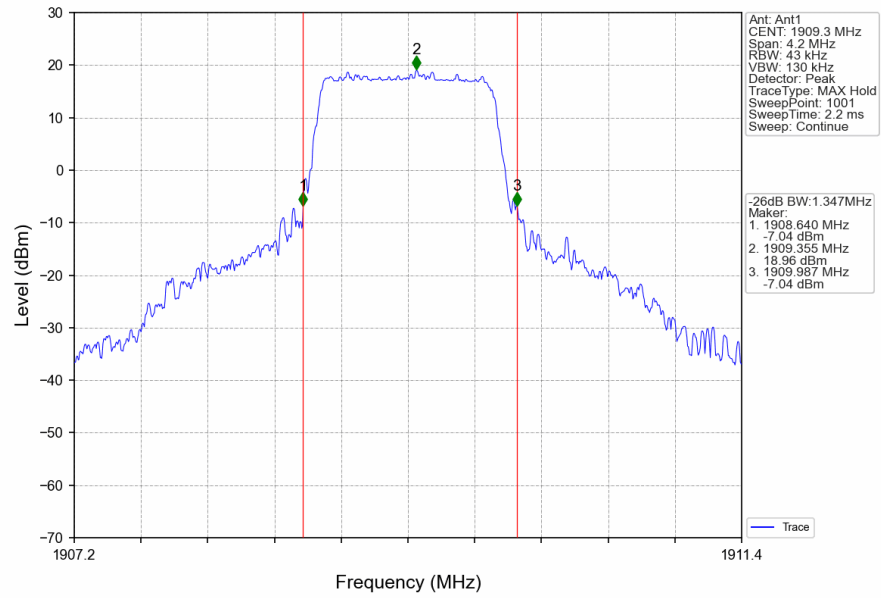
| Band: 2 / NTNV  |            |                 |               |        |                      |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) | Verdict |
|                 |            |                 | Size          | Offset | Result               |         |
| 1.4             | QPSK       | 1850.7          | 6             | 0      | 1.361                | Pass    |
|                 |            | 1880            | 6             | 0      | 1.332                | Pass    |
|                 |            | 1909.3          | 6             | 0      | 1.347                | Pass    |
|                 | 16QAM      | 1850.7          | 6             | 0      | 1.338                | Pass    |
|                 |            | 1880            | 6             | 0      | 1.290                | Pass    |
|                 |            | 1909.3          | 6             | 0      | 1.292                | Pass    |
| 3               | QPSK       | 1851.5          | 15            | 0      | 3.129                | Pass    |
|                 |            | 1880            | 15            | 0      | 3.125                | Pass    |
|                 |            | 1908.5          | 15            | 0      | 3.166                | Pass    |
|                 | 16QAM      | 1851.5          | 15            | 0      | 3.159                | Pass    |
|                 |            | 1880            | 15            | 0      | 3.249                | Pass    |
|                 |            | 1908.5          | 15            | 0      | 3.123                | Pass    |
| 5               | QPSK       | 1852.5          | 25            | 0      | 5.499                | Pass    |
|                 |            | 1880            | 25            | 0      | 5.834                | Pass    |
|                 |            | 1907.5          | 25            | 0      | 5.479                | Pass    |
|                 | 16QAM      | 1852.5          | 25            | 0      | 5.486                | Pass    |
|                 |            | 1880            | 25            | 0      | 5.671                | Pass    |
|                 |            | 1907.5          | 25            | 0      | 5.514                | Pass    |
| 10              | QPSK       | 1855            | 50            | 0      | 10.412               | Pass    |
|                 |            | 1880            | 50            | 0      | 10.636               | Pass    |
|                 |            | 1905            | 50            | 0      | 10.452               | Pass    |
|                 | 16QAM      | 1855            | 50            | 0      | 10.466               | Pass    |
|                 |            | 1880            | 50            | 0      | 10.679               | Pass    |
|                 |            | 1905            | 50            | 0      | 10.635               | Pass    |
| 15              | QPSK       | 1857.5          | 75            | 0      | 15.464               | Pass    |
|                 |            | 1880            | 75            | 0      | 15.397               | Pass    |
|                 |            | 1902.5          | 75            | 0      | 15.659               | Pass    |
|                 | 16QAM      | 1857.5          | 75            | 0      | 15.508               | Pass    |
|                 |            | 1880            | 75            | 0      | 15.561               | Pass    |
|                 |            | 1902.5          | 75            | 0      | 15.286               | Pass    |
| 20              | QPSK       | 1860            | 100           | 0      | 20.465               | Pass    |
|                 |            | 1880            | 100           | 0      | 20.317               | Pass    |
|                 |            | 1900            | 100           | 0      | 20.622               | Pass    |
|                 | 16QAM      | 1860            | 100           | 0      | 20.052               | Pass    |
|                 |            | 1880            | 100           | 0      | 20.403               | Pass    |
|                 |            | 1900            | 100           | 0      | 20.673               | Pass    |



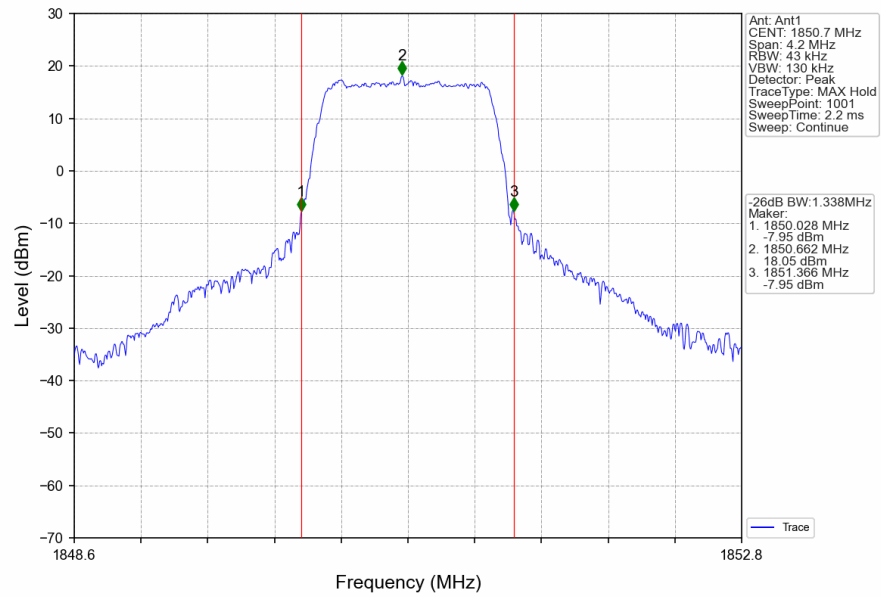
3.2.2 Test Graph



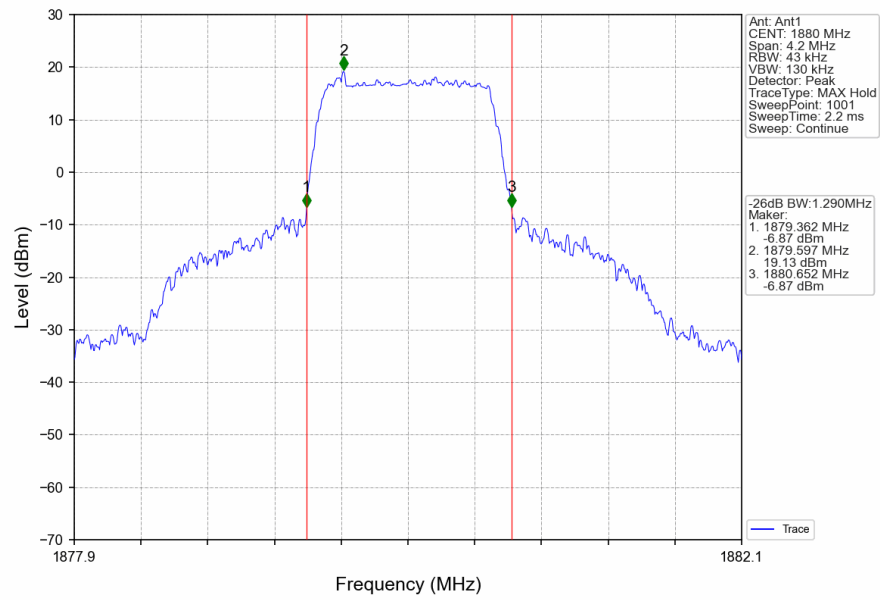
Band2\_1.4MHz\_QPSK\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV



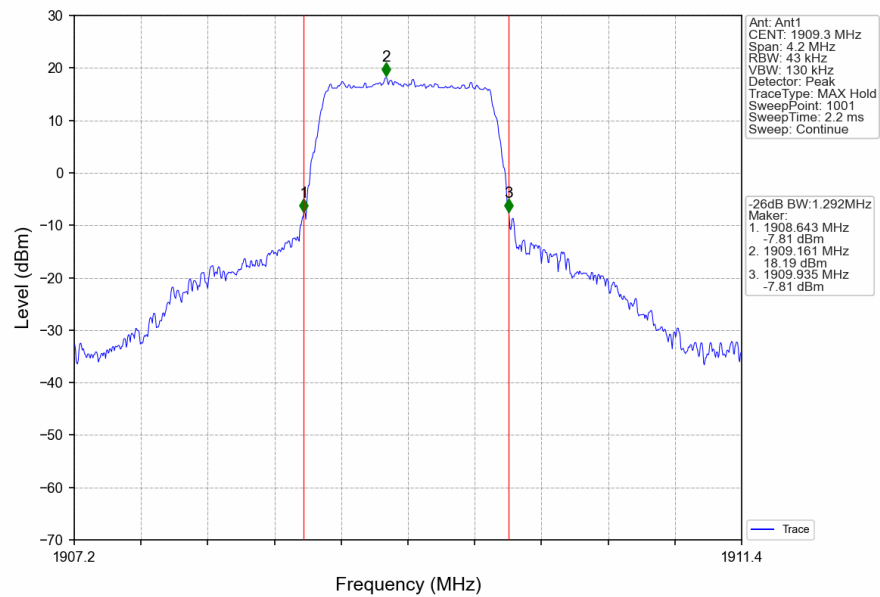
Band2\_1.4MHz\_16QAM\_LCH\_1850.7MHz\_RB\_6\_0\_NTNV



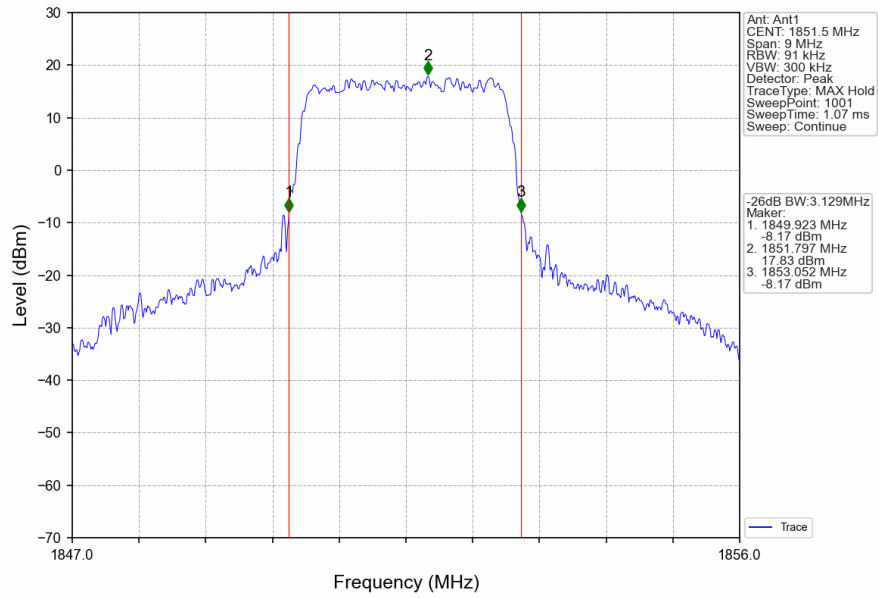
Band2\_1.4MHz\_16QAM\_MCH\_1880MHz\_RB\_6\_0\_NTNV



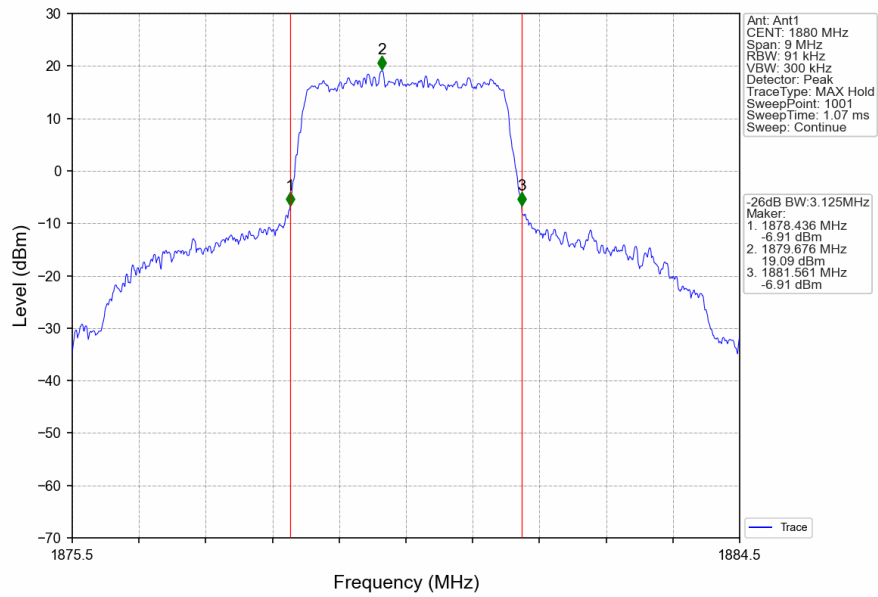
Band2\_1.4MHz\_16QAM\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV



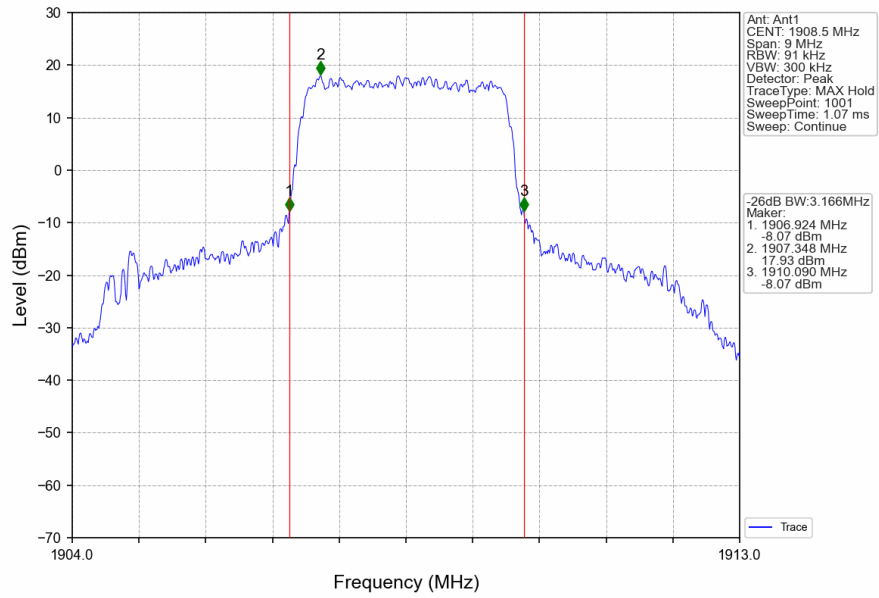
# Band2\_3MHz\_QPSK\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV



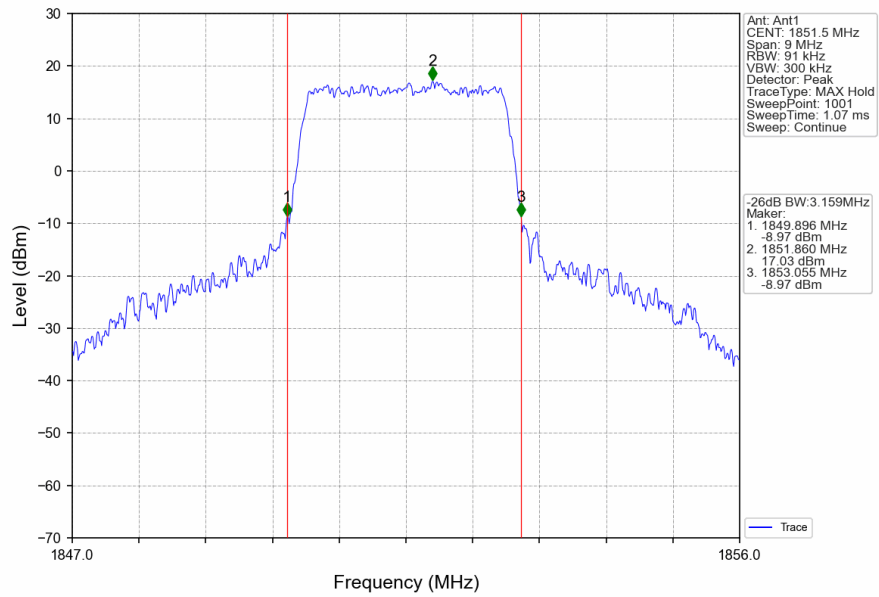
# Band2\_3MHz\_QPSK\_MCH\_1880MHz\_RB\_15\_0\_NTNV



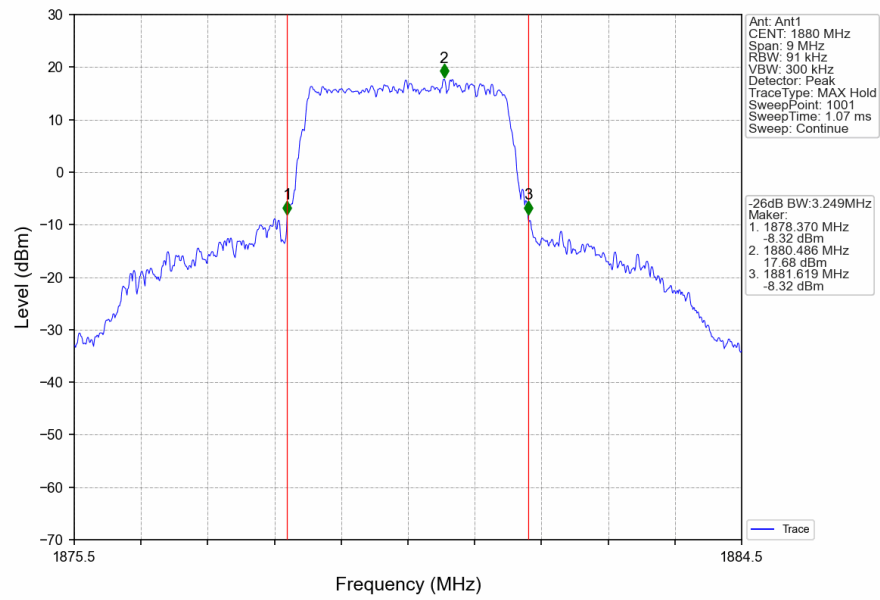
# Band2\_3MHz\_QPSK\_HCH\_1908.5MHz\_RB\_15\_0\_NTNV



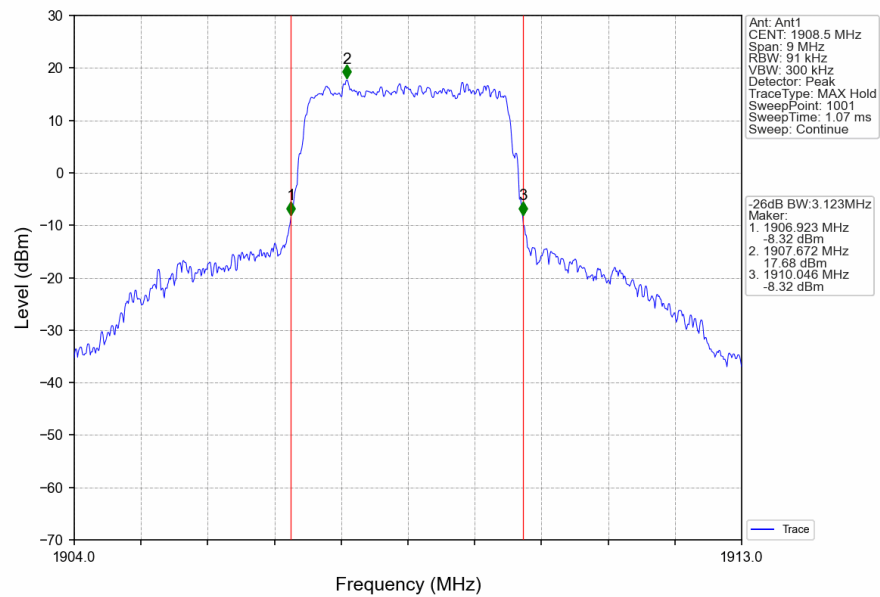
# Band2\_3MHz\_16QAM\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV



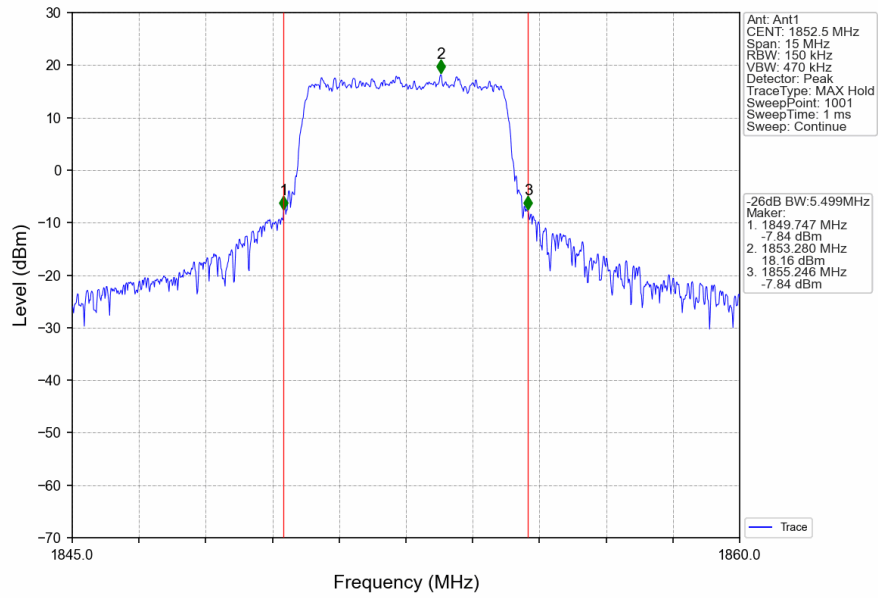
# Band2\_3MHz\_16QAM\_MCH\_1880MHz\_RB\_15\_0\_NTNV



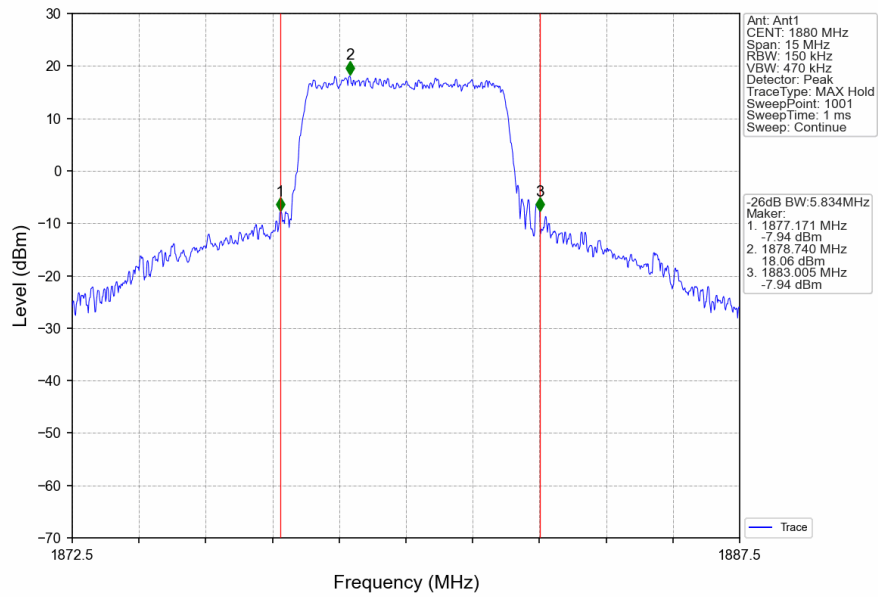
# Band2\_3MHz\_16QAM\_HCH\_1908.5MHz\_RB\_15\_0\_NTNV



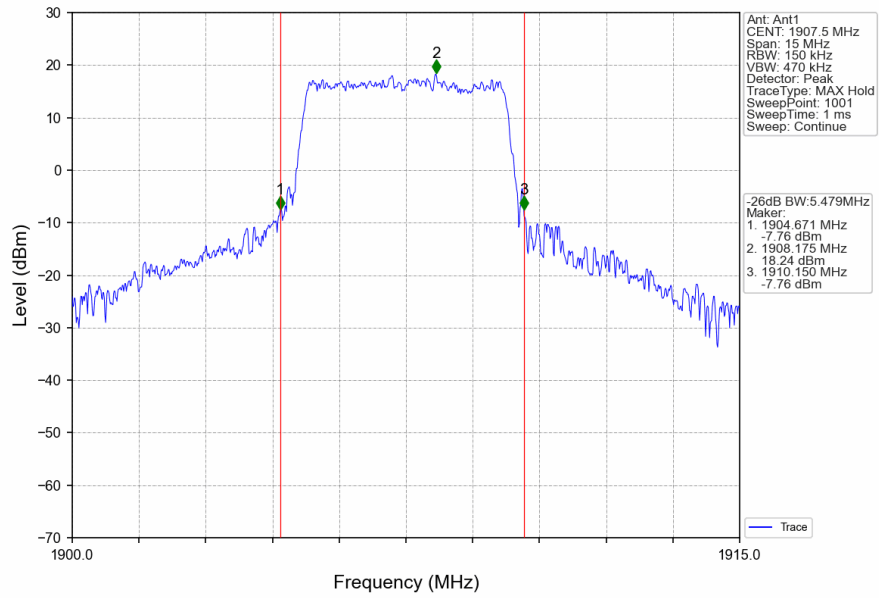
# Band2 5MHz QPSK LCH 1852.5MHz RB 25 0 NTNV



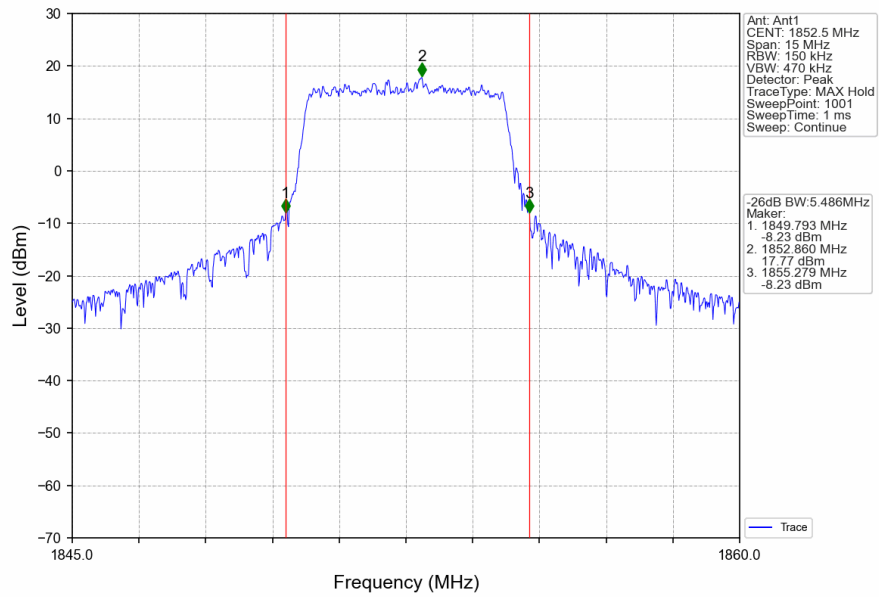
# Band2\_5MHz\_QPSK\_MCH\_1880MHz\_RB\_25\_0\_NTNV



# Band2\_5MHz\_QPSK\_HCH\_1907.5MHz\_RB\_25\_0\_NTNV

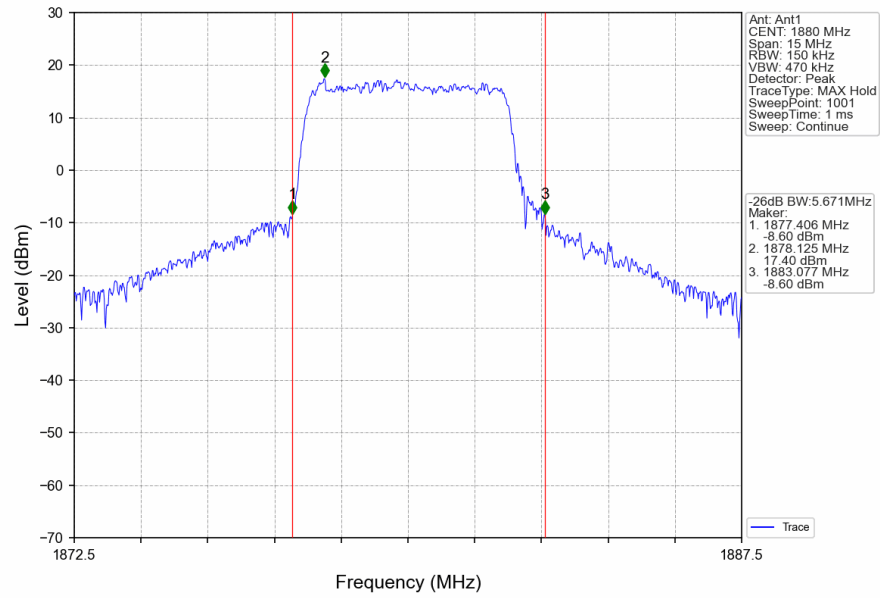


# Band2\_5MHz\_16QAM\_LCH\_1852.5MHz\_RB\_25\_0\_NTNV

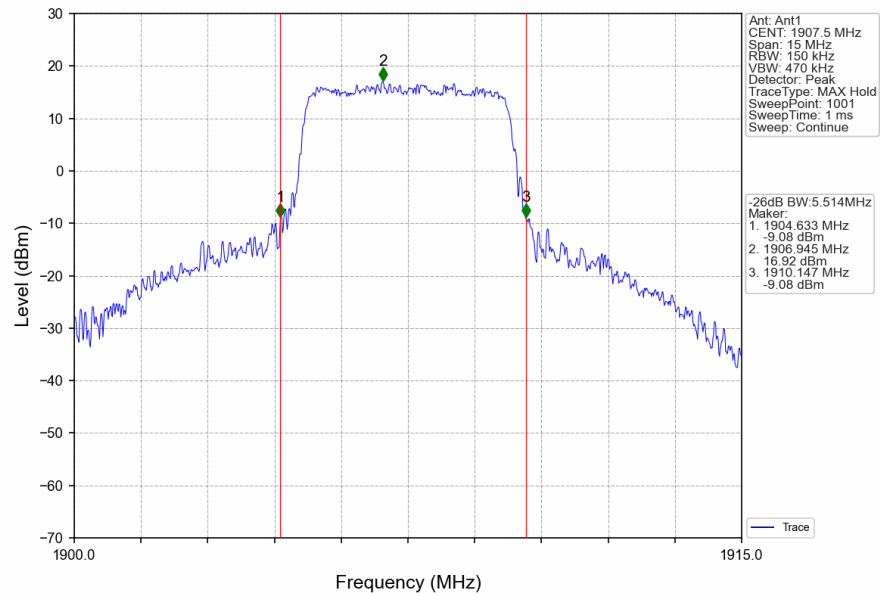




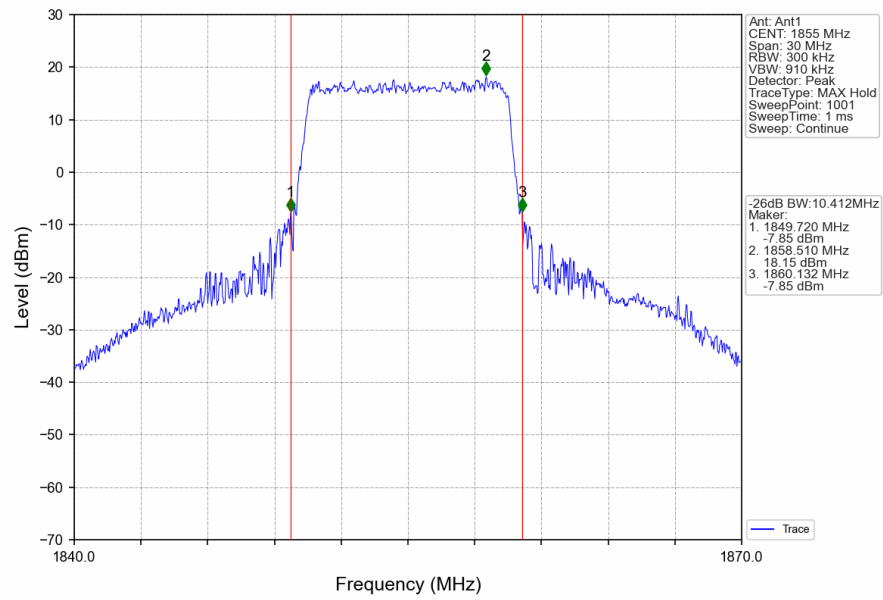
Band2 5MHz 16QAM MCH 1880MHz RB 25\_0 NTN



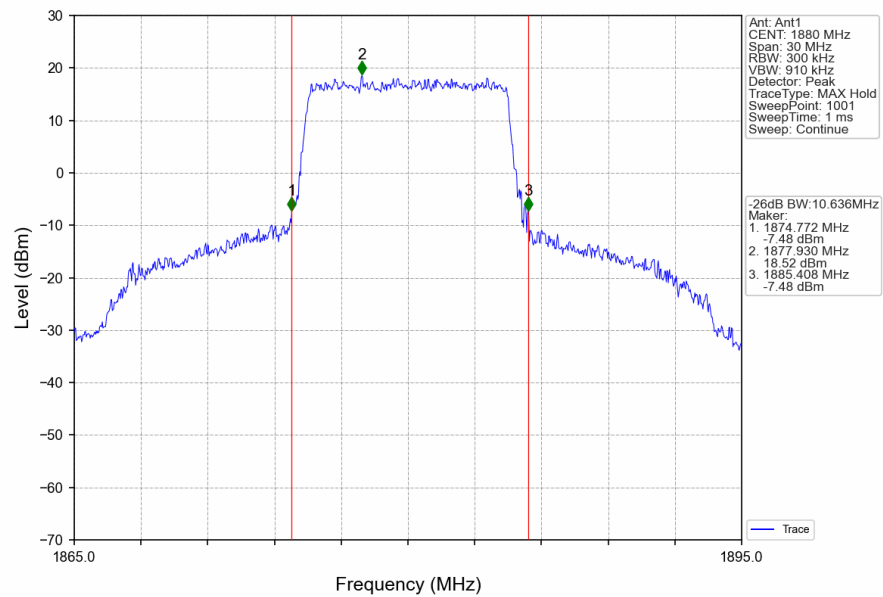
Band2\_5MHz\_16QAM\_HCH\_1907.5MHz\_RB\_25\_0 NTN



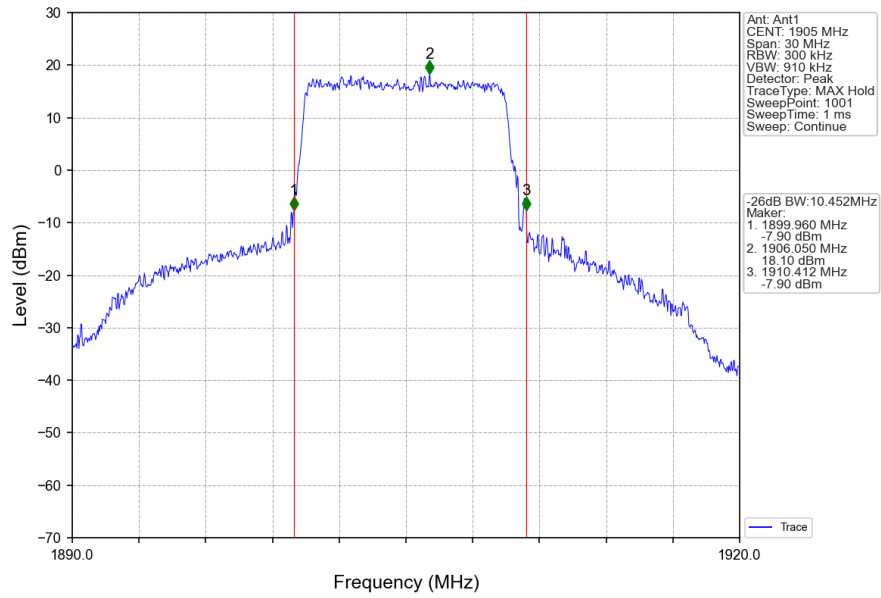
Band2 10MHz QPSK LCH 1855MHz RB 50 0 NTNV



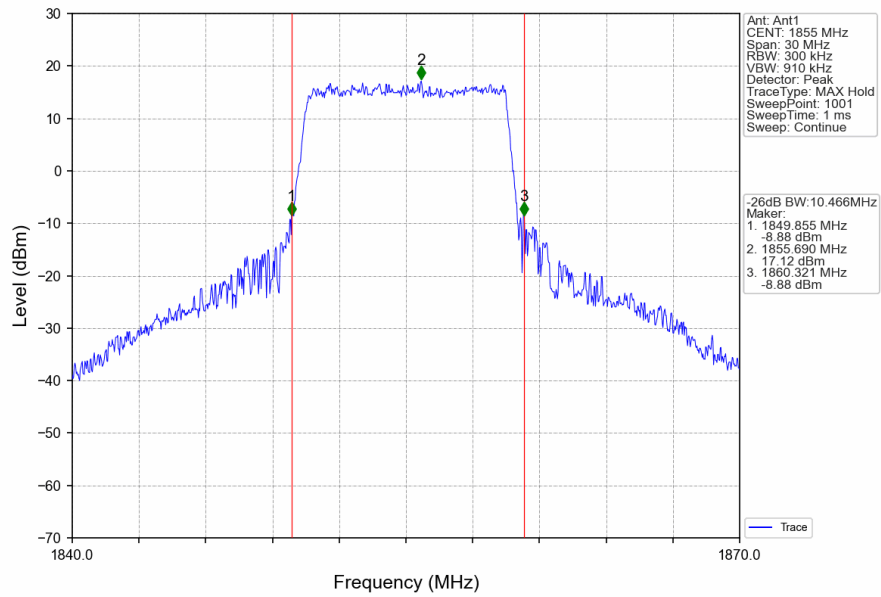
Band2 10MHz QPSK MCH 1880MHz RB 50 0 NTNV



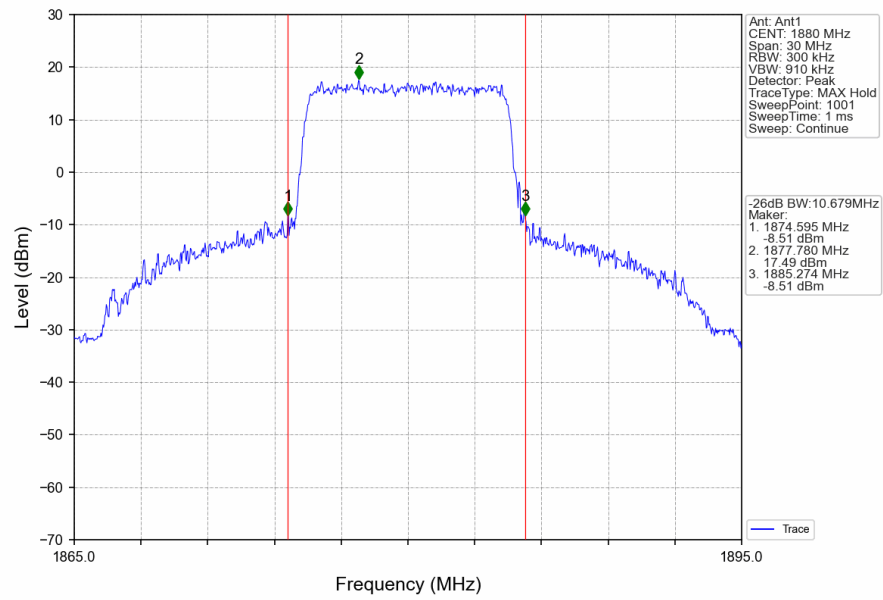
# Band2 10MHz QPSK HCH 1905MHz RB 50 0 NTNV



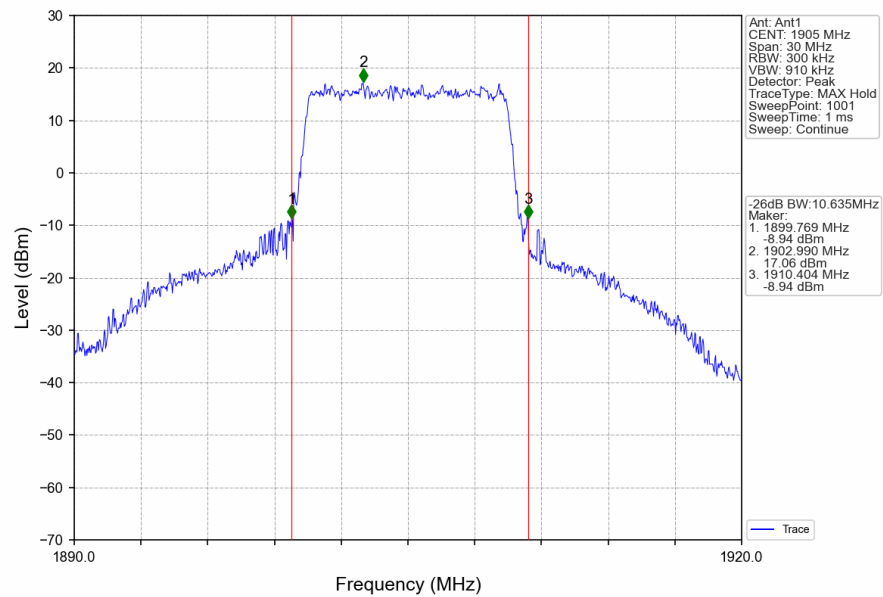
# Band2 10MHz 16QAM LCH 1855MHz RB 50 0 NTNV



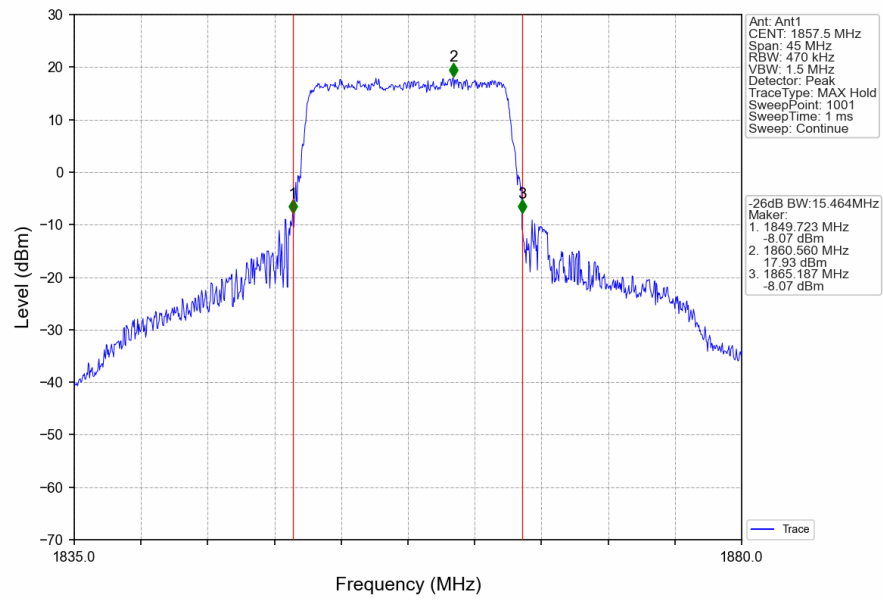
Band2\_10MHz\_16QAM\_MCH\_1880MHz\_RB\_50\_0\_NTNV



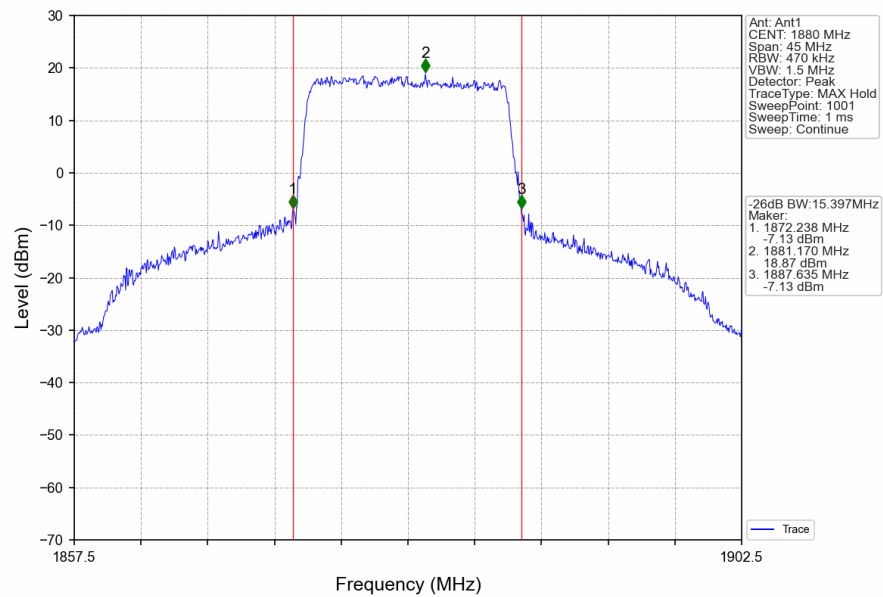
Band2\_10MHz\_16QAM\_HCH\_1905MHz\_RB\_50\_0\_NTNV



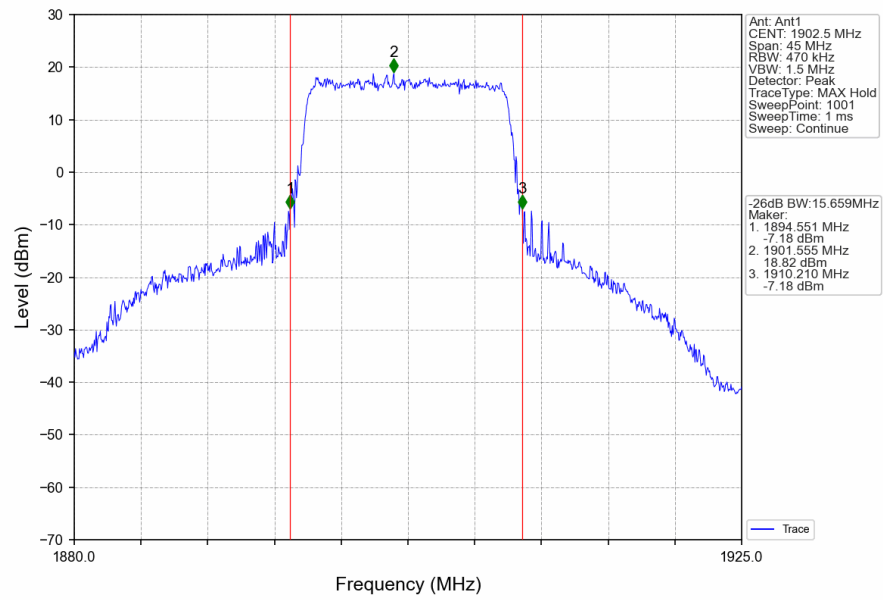
Band2\_15MHz\_QPSK\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV



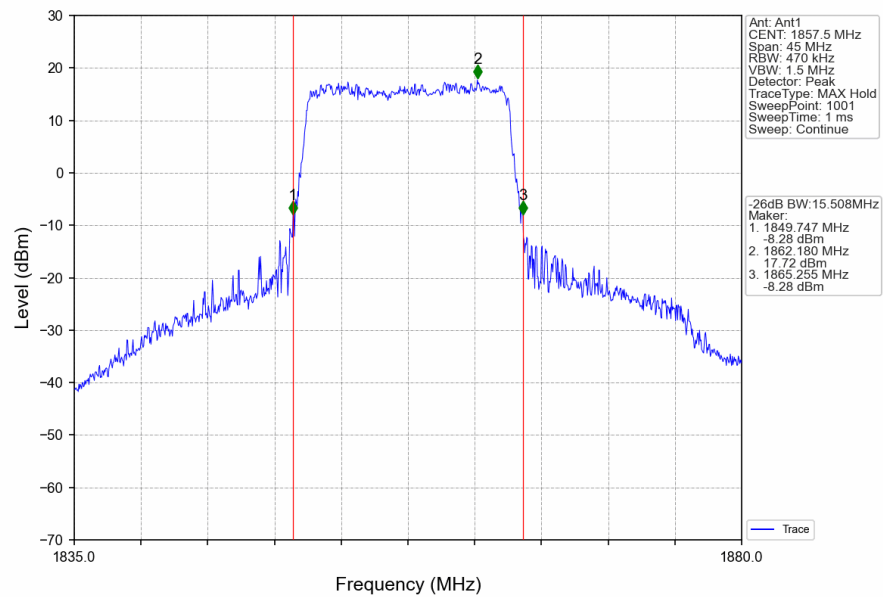
Band2\_15MHz\_QPSK\_MCH\_1880MHz\_RB\_75\_0\_NTNV



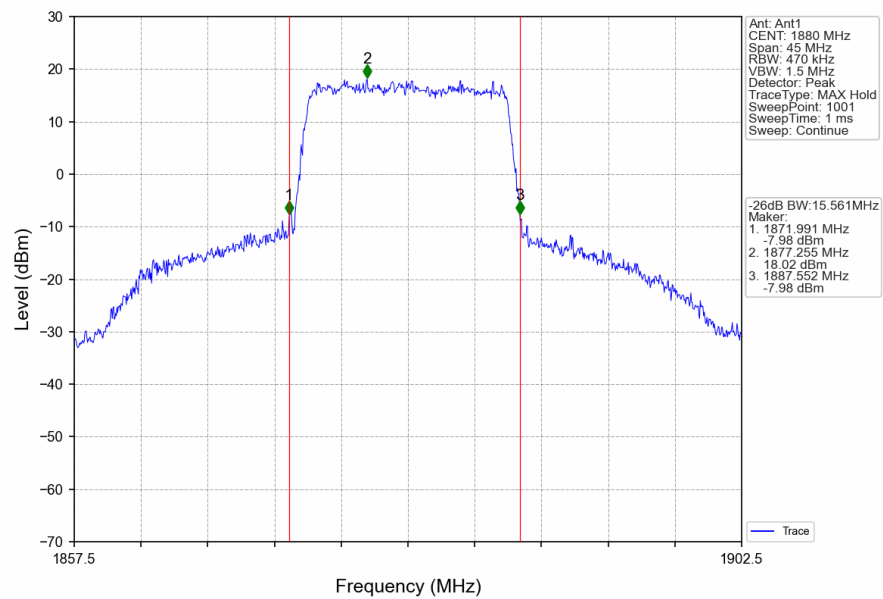
Band2\_15MHz\_QPSK\_HCH\_1902.5MHz\_RB\_75\_0\_NTNV



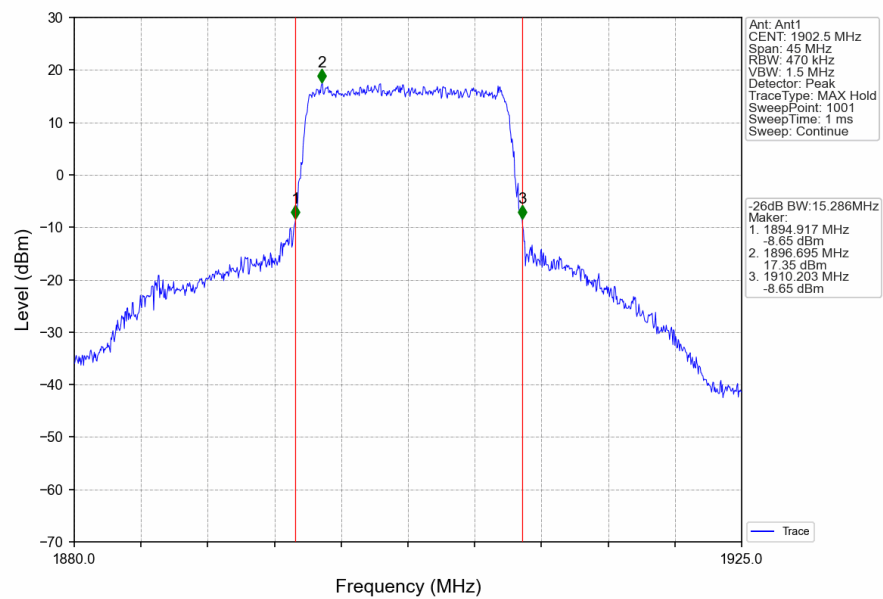
Band2\_15MHz\_16QAM\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV



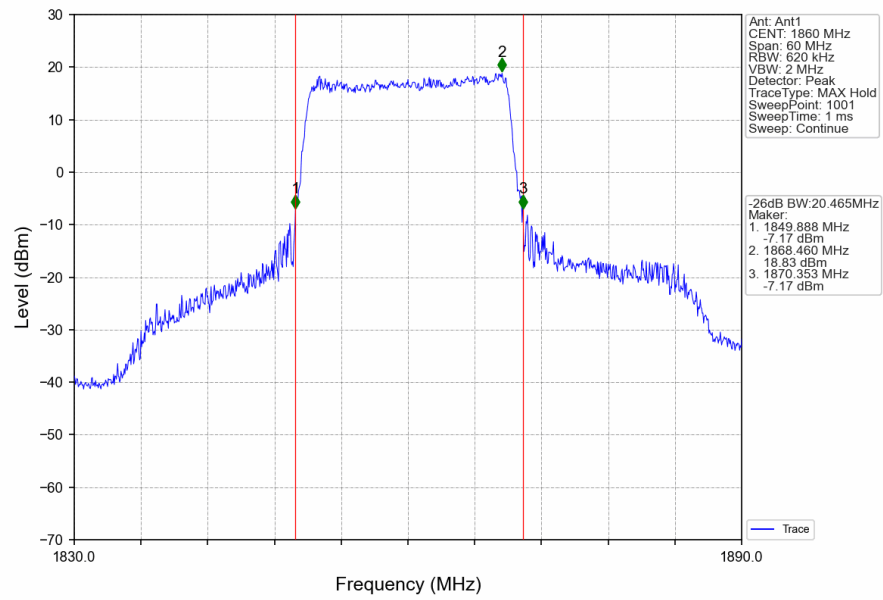
Band2\_15MHz\_16QAM\_MCH\_1880MHz\_RB\_75\_0\_NTNV



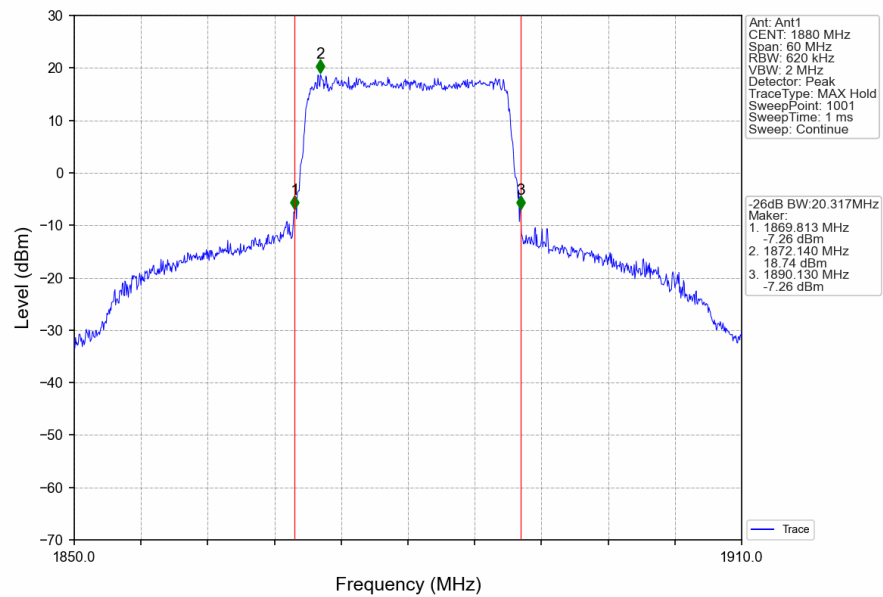
Band2\_15MHz\_16QAM\_HCH\_1902.5MHz\_RB\_75\_0\_NTNV



Band2\_20MHz\_QPSK\_LCH\_1860MHz\_RB\_100\_0\_NTNV

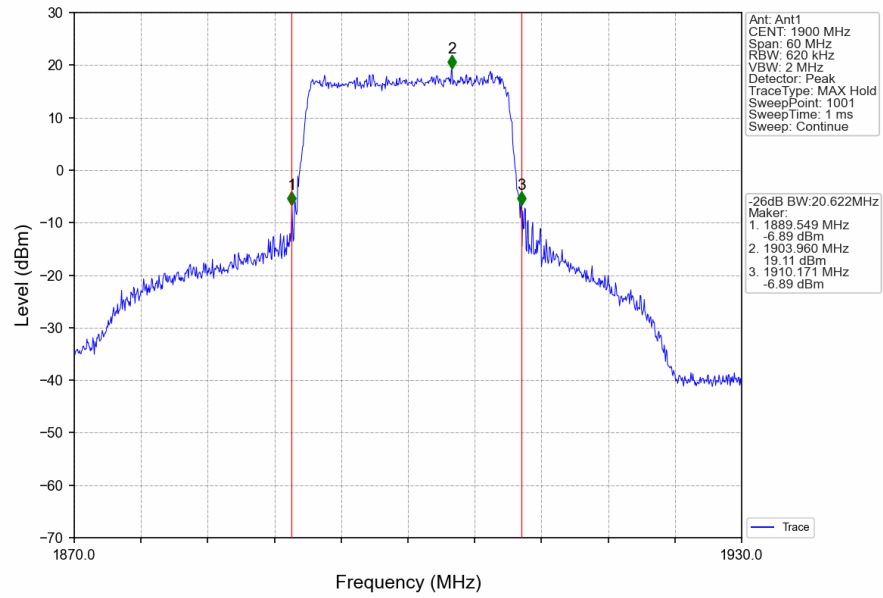


Band2\_20MHz\_QPSK\_MCH\_1880MHz\_RB\_100\_0\_NTNV

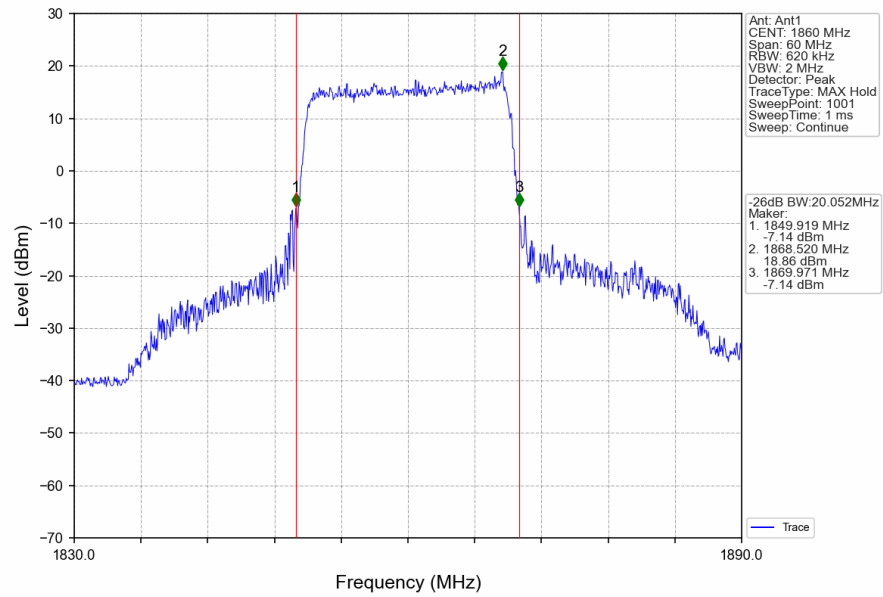




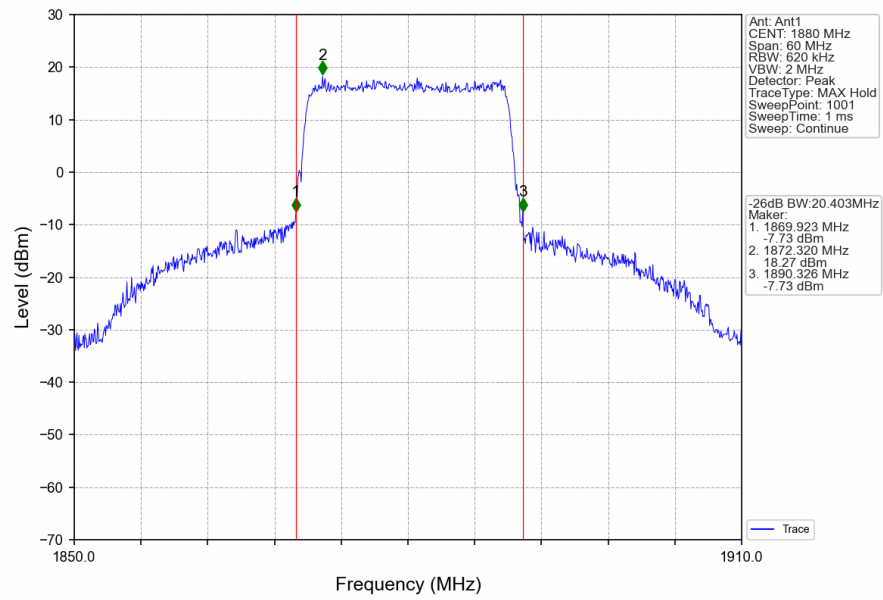
Band2\_20MHz\_QPSK\_HCH\_1900MHz\_RB\_100\_0\_NTNV



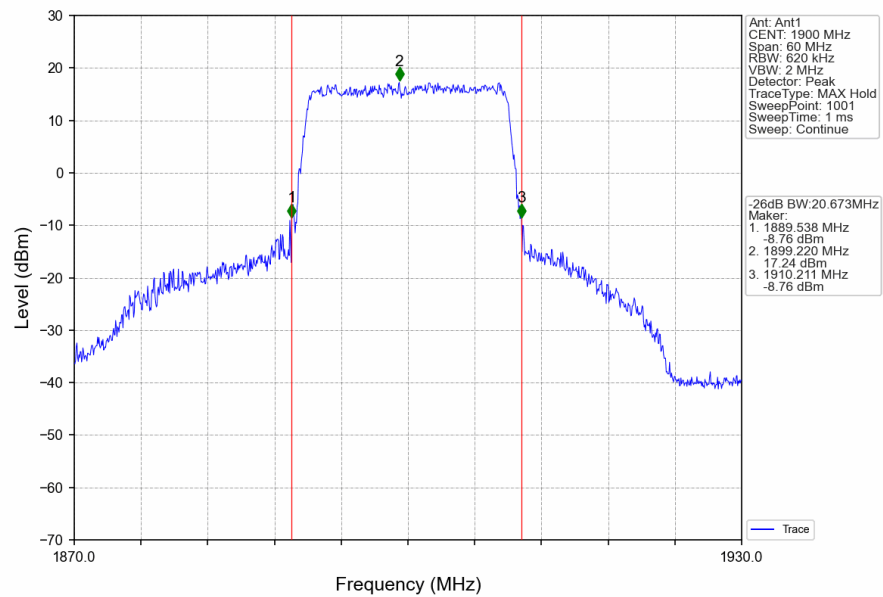
Band2\_20MHz\_16QAM\_LCH\_1860MHz\_RB\_100\_0\_NTNV



Band2\_20MHz\_16QAM\_MCH\_1880MHz\_RB\_100\_0\_NTNV



Band2\_20MHz\_16QAM\_HCH\_1900MHz\_RB\_100\_0\_NTNV



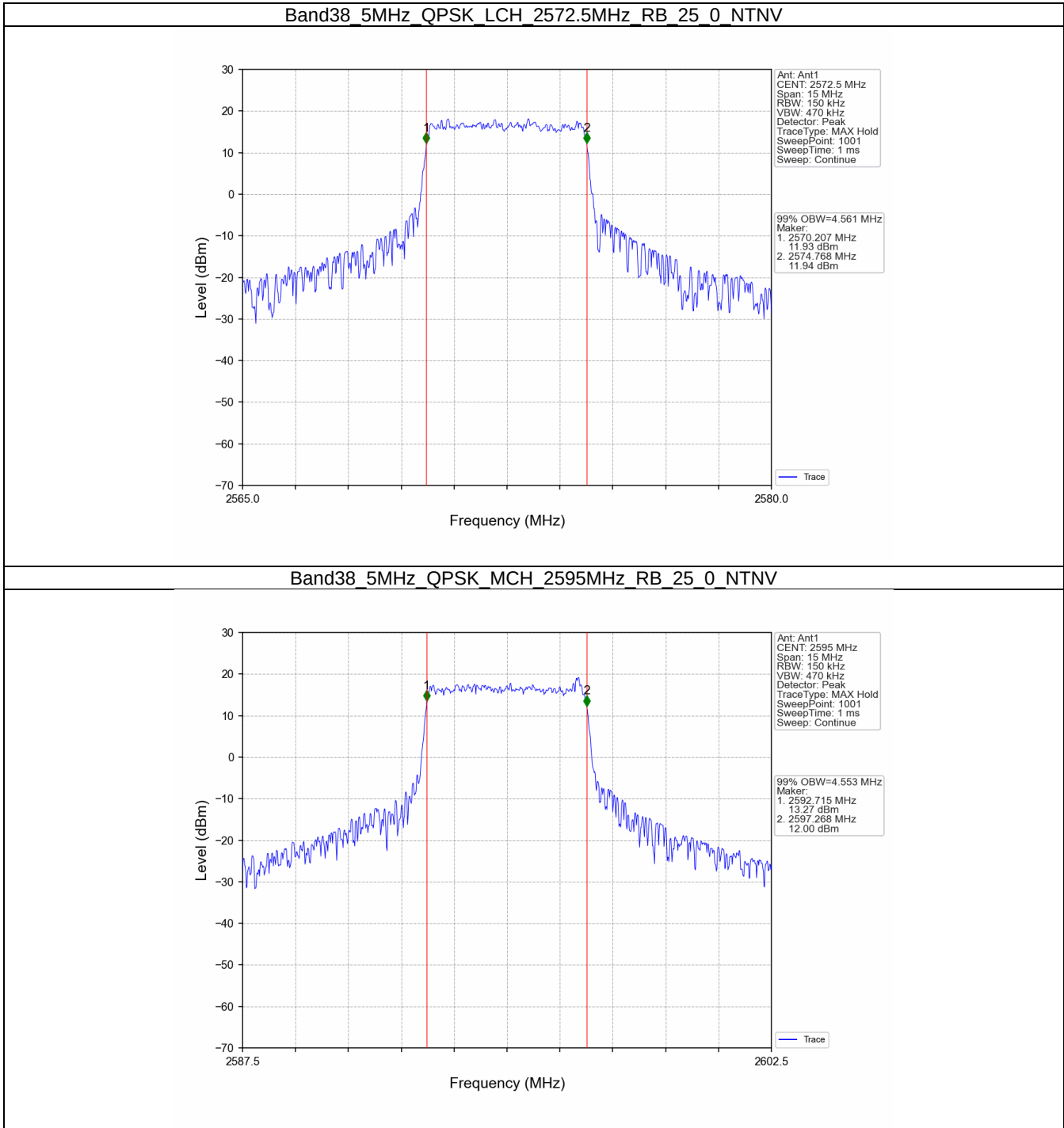
## 4. 99% & 26dB Bandwidth

### 4.1 Band38\_OBW

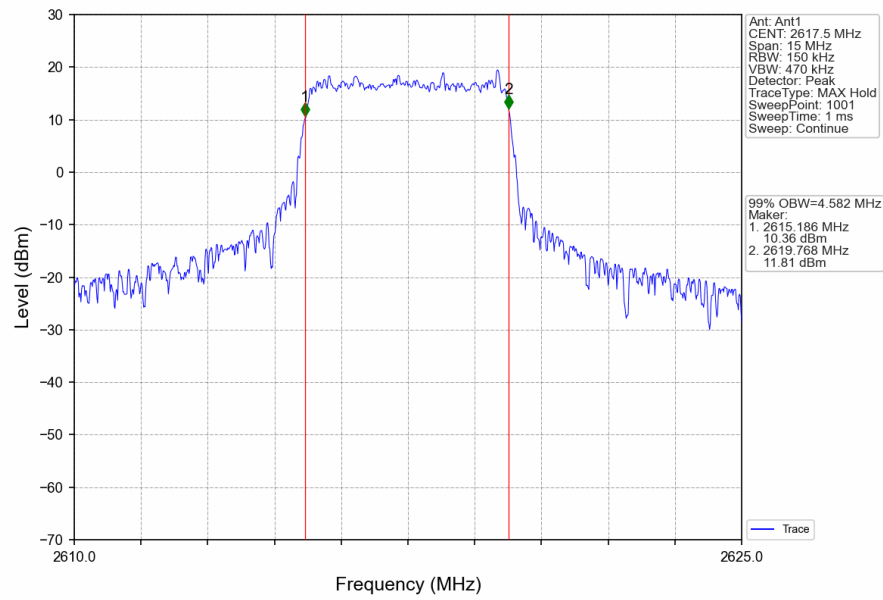
#### 4.1.1 Test Result

| Band: 38 / NTNV |            |                 |               |        |                              |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) | Verdict |
|                 |            |                 | Size          | Offset | Result                       |         |
| 5               | QPSK       | 2572.5          | 25            | 0      | 4.561                        | Pass    |
|                 |            | 2595            | 25            | 0      | 4.553                        | Pass    |
|                 |            | 2617.5          | 25            | 0      | 4.582                        | Pass    |
|                 | 16QAM      | 2572.5          | 25            | 0      | 4.576                        | Pass    |
|                 |            | 2595            | 25            | 0      | 4.611                        | Pass    |
|                 |            | 2617.5          | 25            | 0      | 4.568                        | Pass    |
| 10              | QPSK       | 2575            | 50            | 0      | 9.130                        | Pass    |
|                 |            | 2595            | 50            | 0      | 9.060                        | Pass    |
|                 |            | 2615            | 50            | 0      | 9.083                        | Pass    |
|                 | 16QAM      | 2575            | 50            | 0      | 9.104                        | Pass    |
|                 |            | 2595            | 50            | 0      | 9.061                        | Pass    |
|                 |            | 2615            | 50            | 0      | 9.106                        | Pass    |
| 15              | QPSK       | 2577.5          | 75            | 0      | 13.616                       | Pass    |
|                 |            | 2595            | 75            | 0      | 13.559                       | Pass    |
|                 |            | 2612.5          | 75            | 0      | 13.665                       | Pass    |
|                 | 16QAM      | 2577.5          | 75            | 0      | 13.684                       | Pass    |
|                 |            | 2595            | 75            | 0      | 13.663                       | Pass    |
|                 |            | 2612.5          | 75            | 0      | 13.623                       | Pass    |
| 20              | QPSK       | 2580            | 100           | 0      | 18.179                       | Pass    |
|                 |            | 2595            | 100           | 0      | 18.048                       | Pass    |
|                 |            | 2610            | 100           | 0      | 18.140                       | Pass    |
|                 | 16QAM      | 2580            | 100           | 0      | 18.173                       | Pass    |
|                 |            | 2595            | 100           | 0      | 18.112                       | Pass    |
|                 |            | 2610            | 100           | 0      | 18.114                       | Pass    |

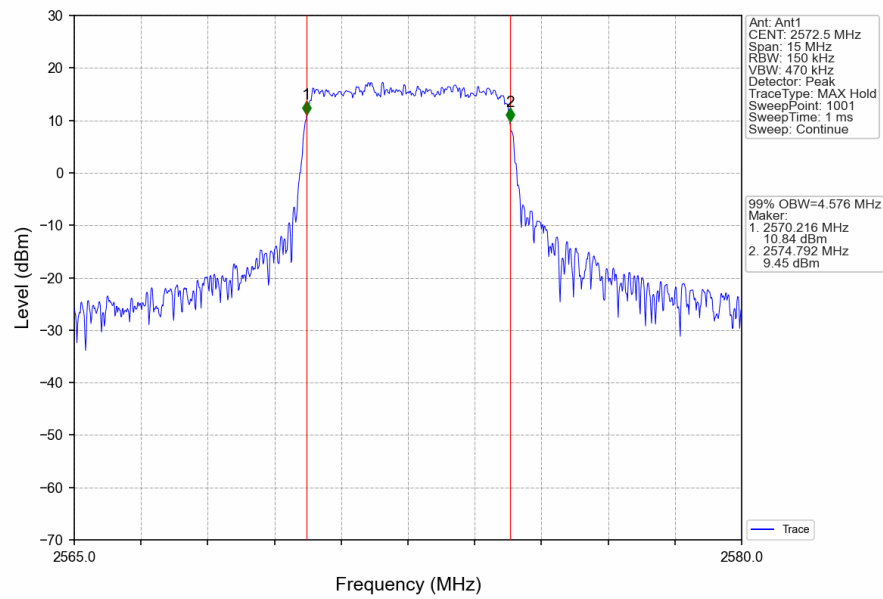
4.1.2 Test Graph



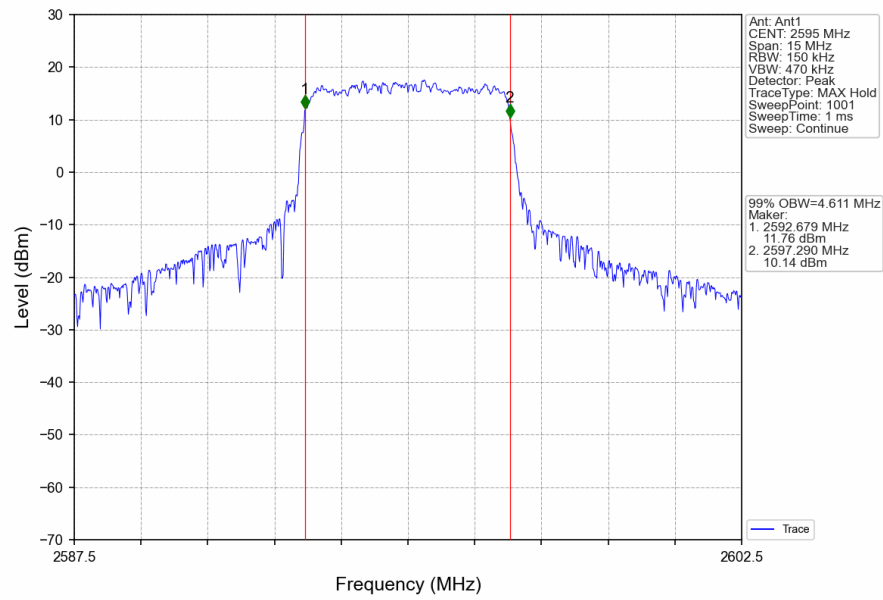
Band38 5MHz QPSK HCH 2617.5MHz RB 25 0 NTNV



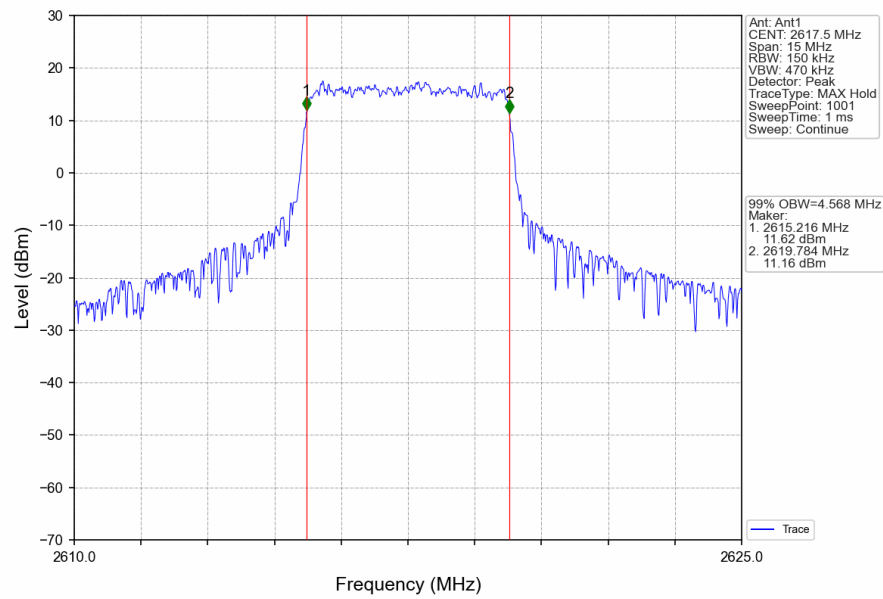
Band38 5MHz 16QAM LCH 2572.5MHz RB 25 0 NTNV



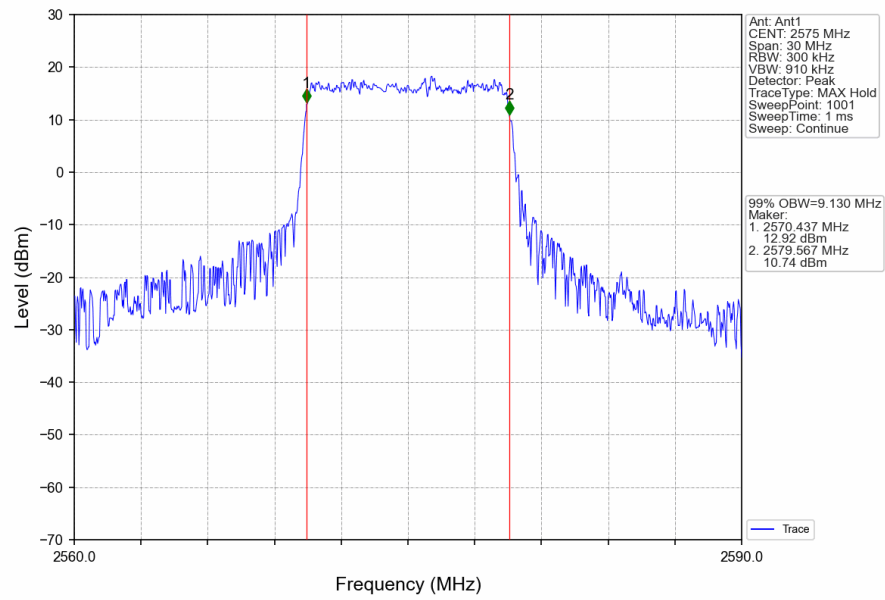
Band38 5MHz 16QAM MCH 2595MHz RB 25 0 NTNV



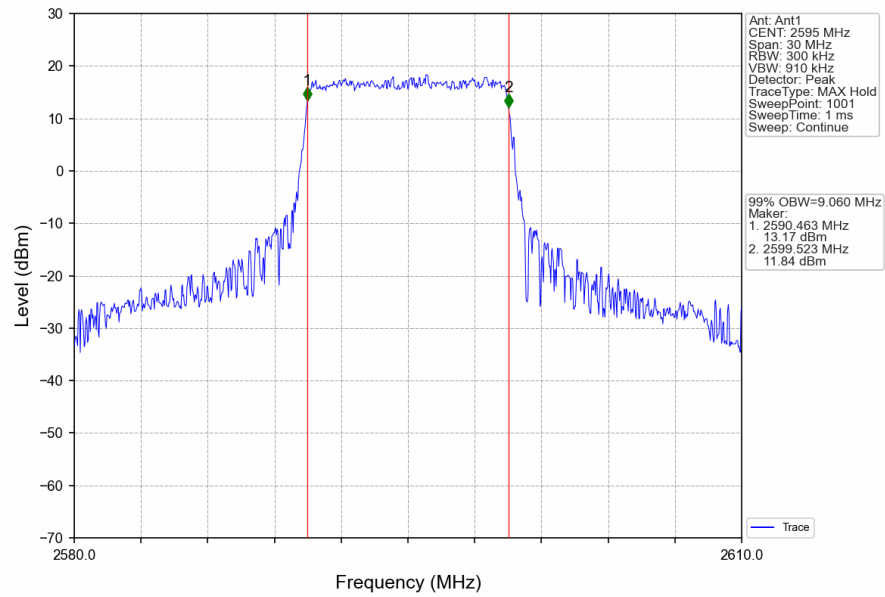
Band38 5MHz 16QAM HCH 2617.5MHz RB 25 0 NTNV



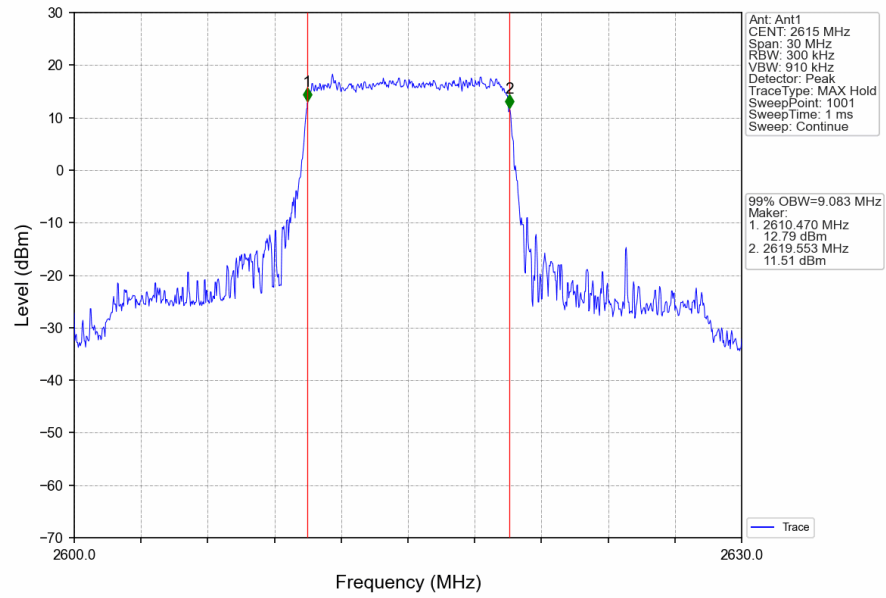
Band38\_10MHz\_QPSK\_LCH\_2575MHz\_RB\_50\_0\_NTNV



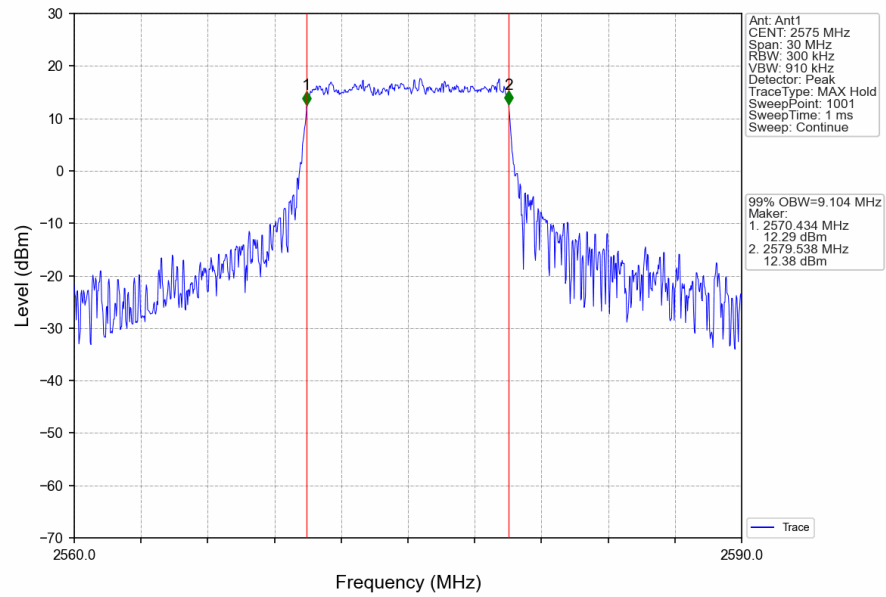
Band38\_10MHz\_QPSK\_MCH\_2595MHz\_RB\_50\_0\_NTNV



Band38\_10MHz\_QPSK\_HCH\_2615MHz\_RB\_50\_0\_NTNV

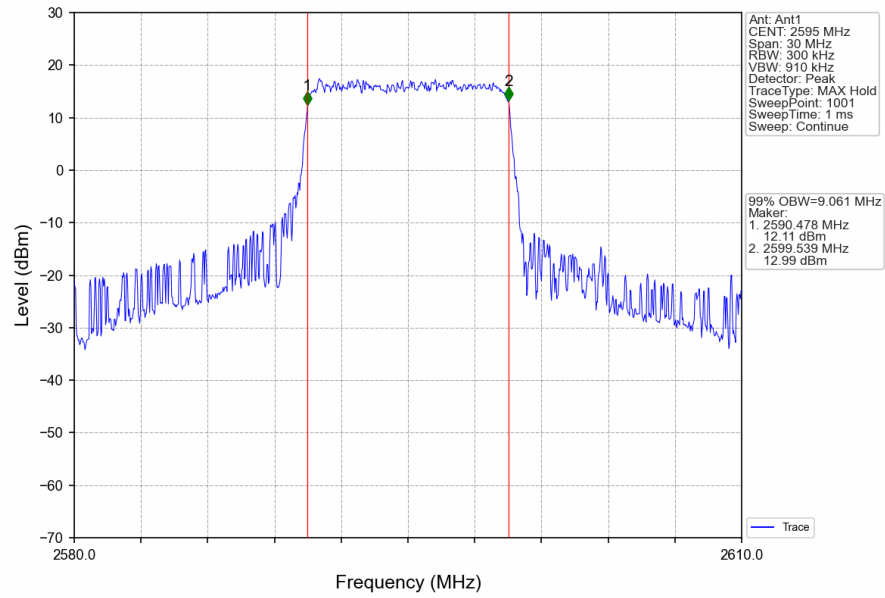


Band38\_10MHz\_16QAM\_LCH\_2575MHz\_RB\_50\_0\_NTNV

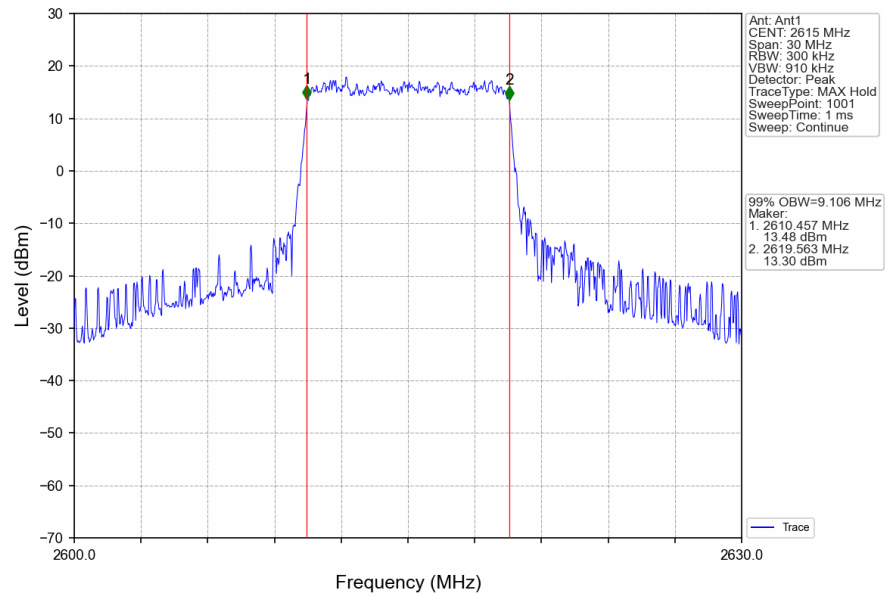




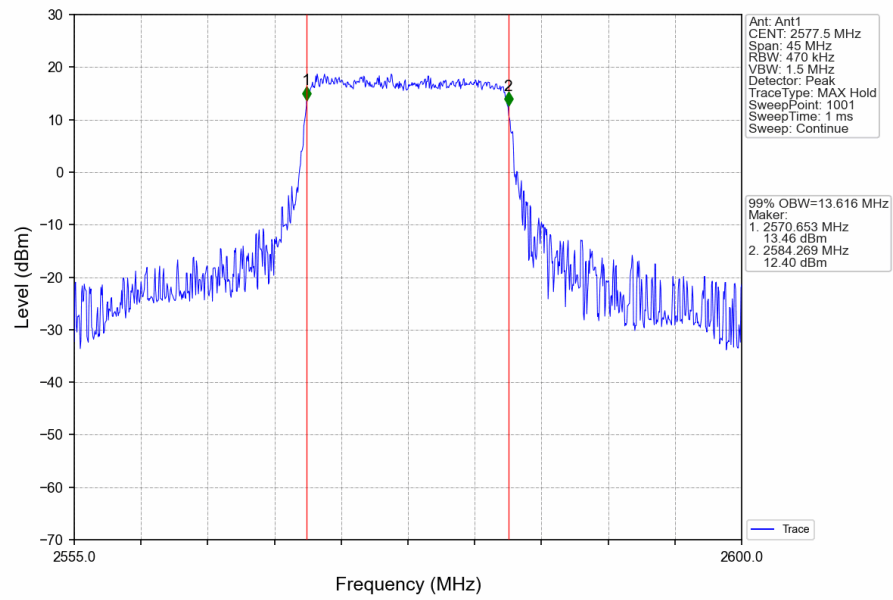
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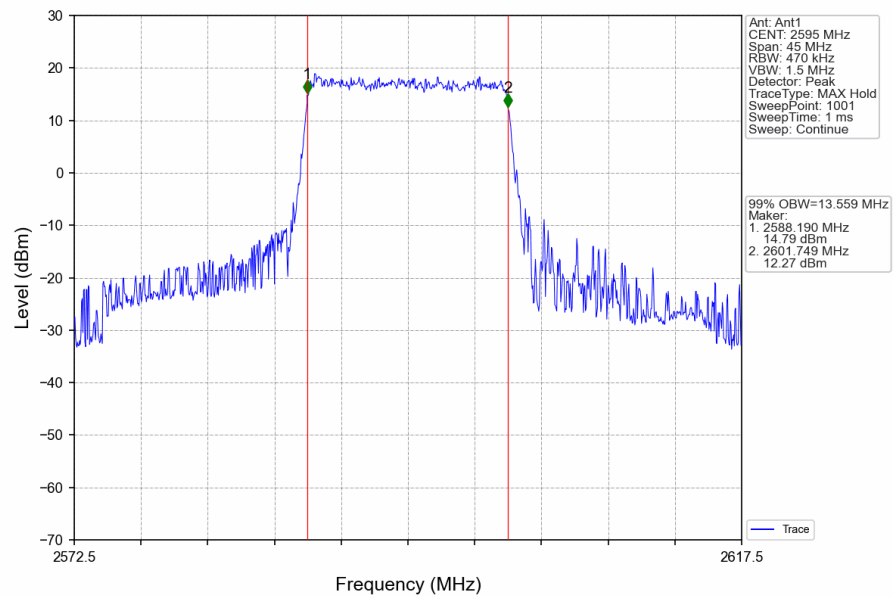
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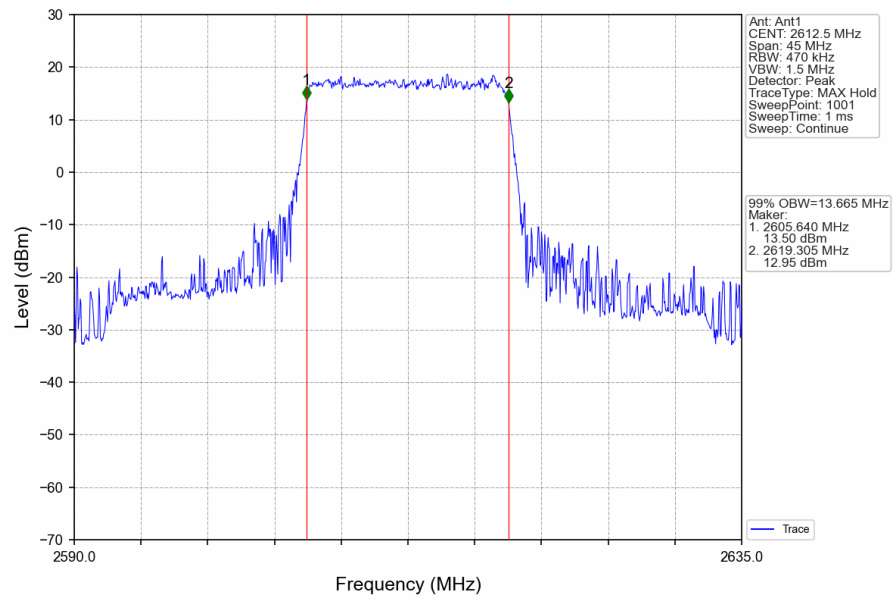
# Band38 15MHz QPSK LCH 2577.5MHz RB 75 0 NTNV



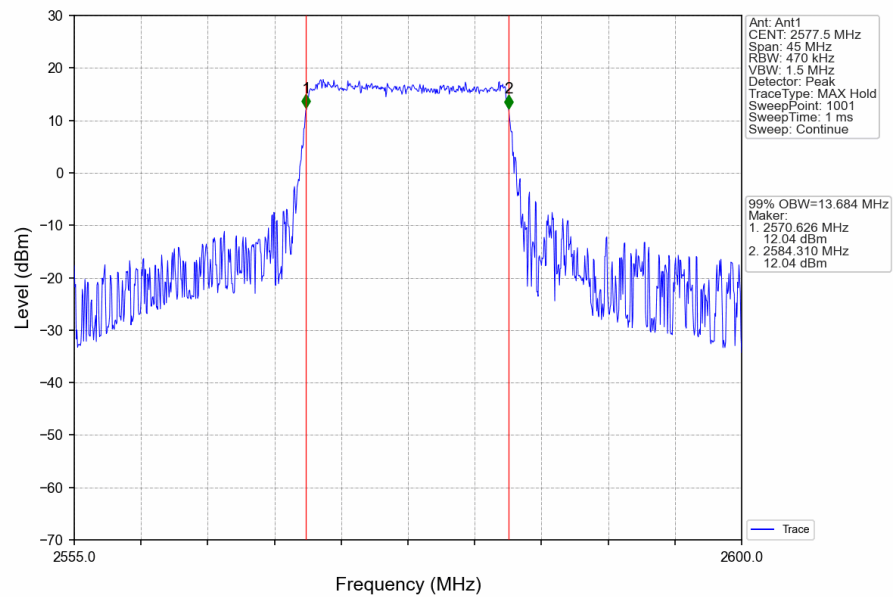
# Band38\_15MHz\_QPSK\_MCH\_2595MHz\_RB\_75\_0\_NTNV



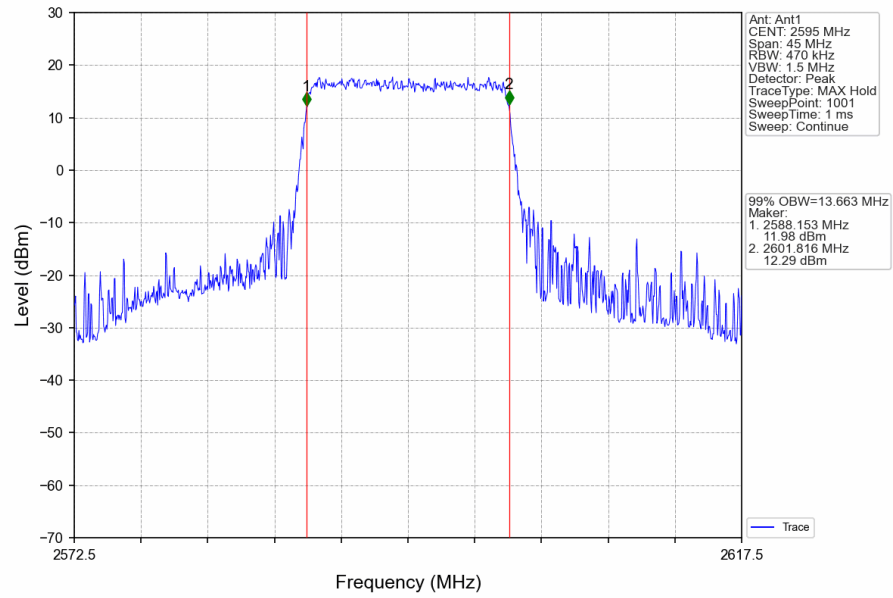
Band38\_15MHz\_QPSK\_HCH\_2612.5MHz\_RB\_75\_0\_NTNV



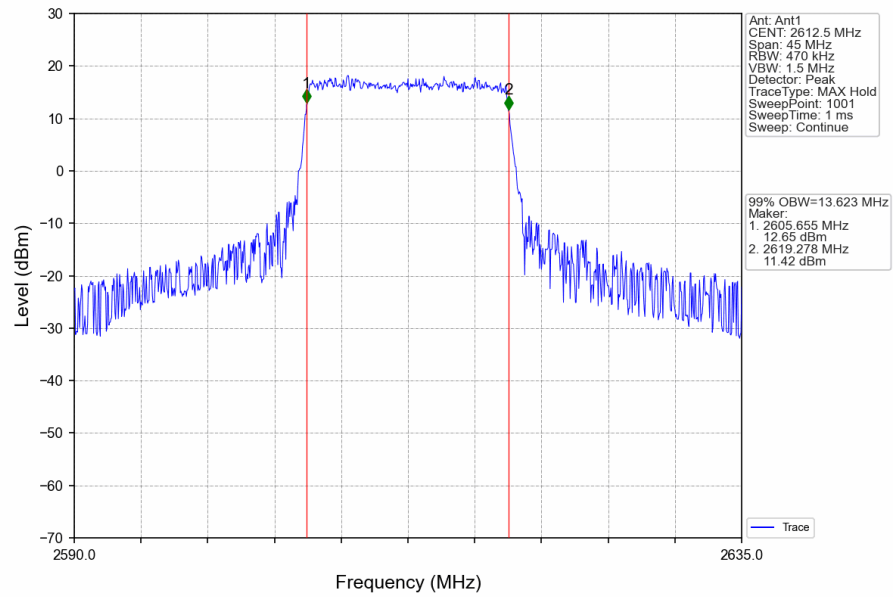
Band38\_15MHz\_16QAM\_LCH\_2577.5MHz\_RB\_75\_0\_NTNV



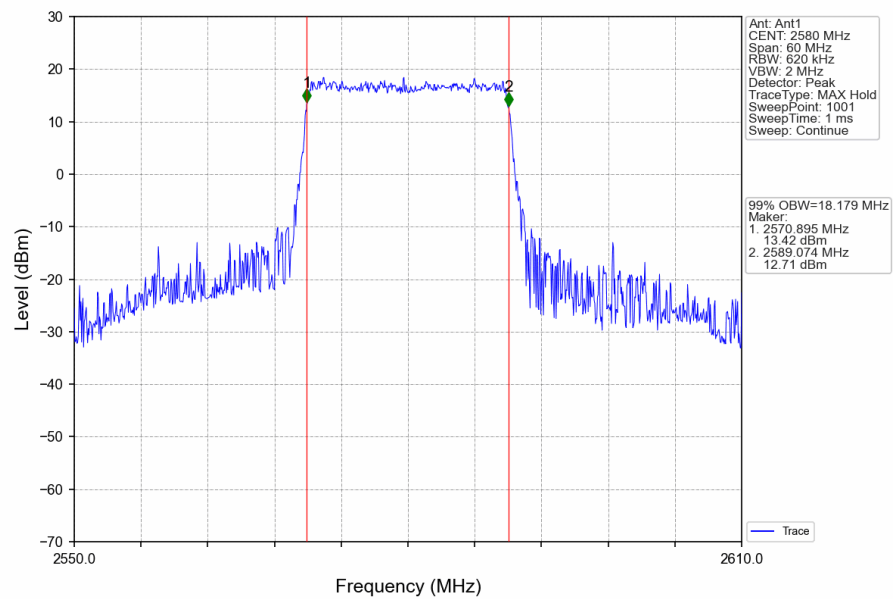
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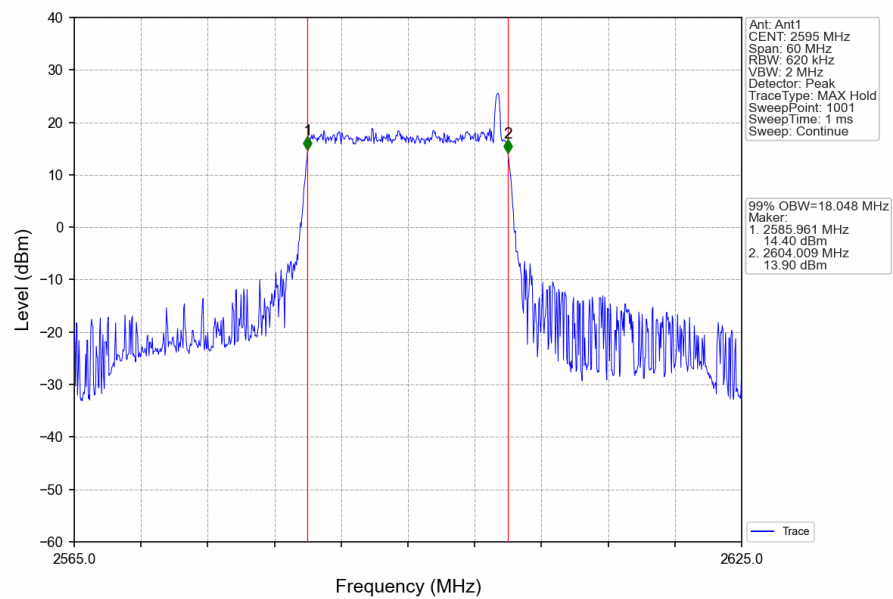
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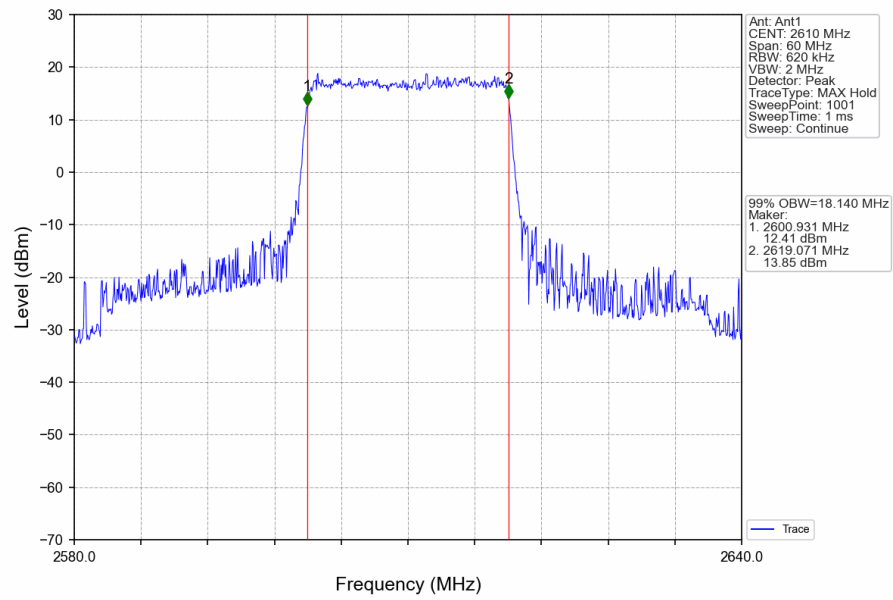
Band38 20MHz QPSK LCH 2580MHz RB 100 0 NTNV



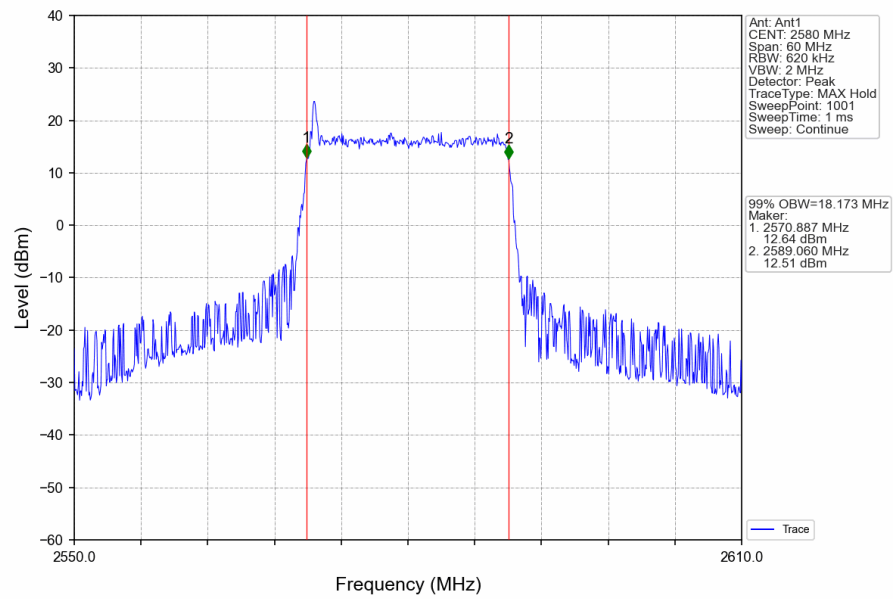
Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTNV



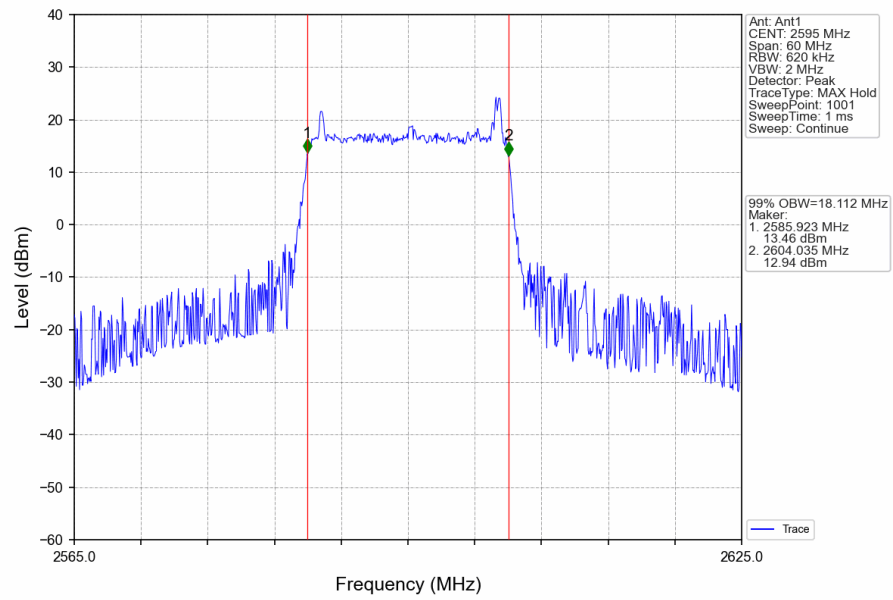
Band38 20MHz QPSK HCH 2610MHz RB 100 0 NTN



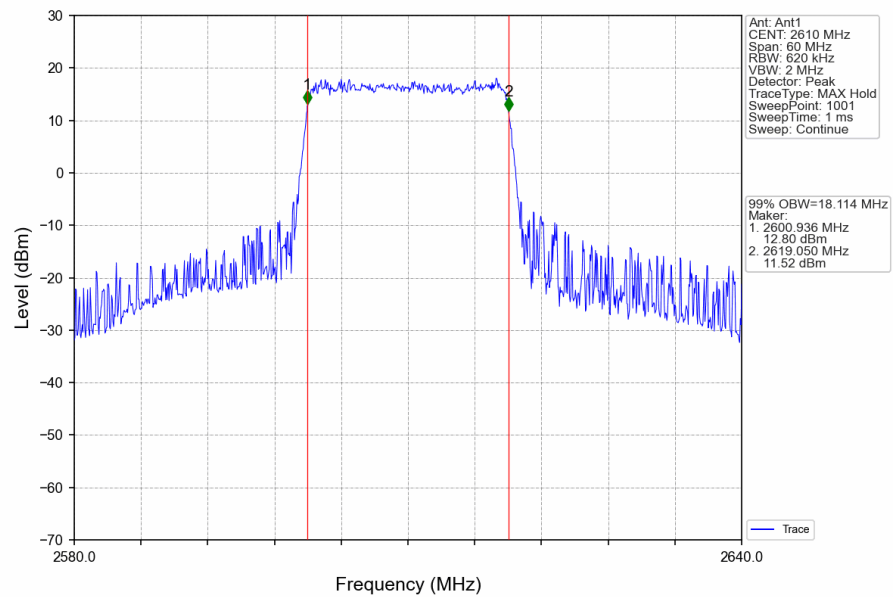
Band38 20MHz 16QAM LCH 2580MHz RB 100 0 NTN



Band38\_20MHz\_16QAM\_MCH\_2595MHz\_RB\_100\_0\_NTNV



Band38\_20MHz\_16QAM\_HCH\_2610MHz\_RB\_100\_0\_NTNV



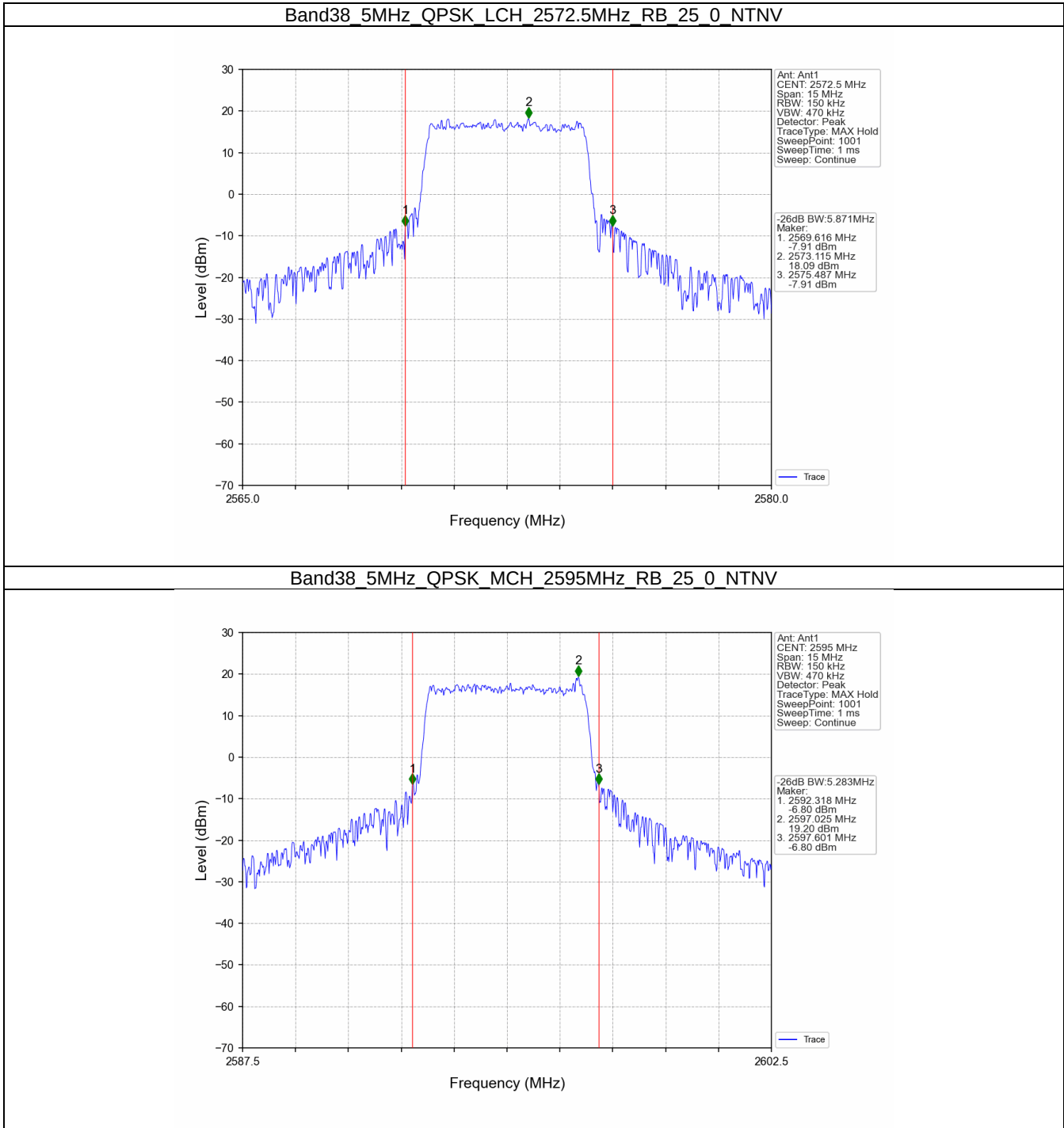
## 4.2 Band38\_XDB

### 4.2.1 Test Result

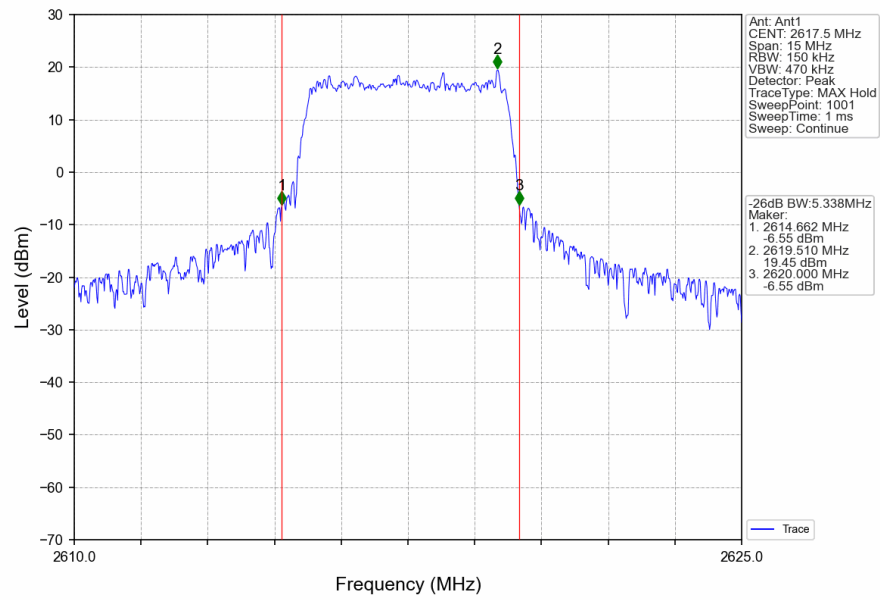
| Band: 38 / NTNV |            |                 |               |        |                      |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) | Verdict |
|                 |            |                 | Size          | Offset | Result               |         |
| 5               | QPSK       | 2572.5          | 25            | 0      | 5.871                | Pass    |
|                 |            | 2595            | 25            | 0      | 5.283                | Pass    |
|                 |            | 2617.5          | 25            | 0      | 5.338                | Pass    |
|                 | 16QAM      | 2572.5          | 25            | 0      | 5.390                | Pass    |
|                 |            | 2595            | 25            | 0      | 5.525                | Pass    |
|                 |            | 2617.5          | 25            | 0      | 5.501                | Pass    |
| 10              | QPSK       | 2575            | 50            | 0      | 10.343               | Pass    |
|                 |            | 2595            | 50            | 0      | 10.362               | Pass    |
|                 |            | 2615            | 50            | 0      | 10.231               | Pass    |
|                 | 16QAM      | 2575            | 50            | 0      | 11.600               | Pass    |
|                 |            | 2595            | 50            | 0      | 10.557               | Pass    |
|                 |            | 2615            | 50            | 0      | 10.324               | Pass    |
| 15              | QPSK       | 2577.5          | 75            | 0      | 16.799               | Pass    |
|                 |            | 2595            | 75            | 0      | 15.685               | Pass    |
|                 |            | 2612.5          | 75            | 0      | 15.922               | Pass    |
|                 | 16QAM      | 2577.5          | 75            | 0      | 18.922               | Pass    |
|                 |            | 2595            | 75            | 0      | 16.507               | Pass    |
|                 |            | 2612.5          | 75            | 0      | 15.901               | Pass    |
| 20              | QPSK       | 2580            | 100           | 0      | 20.623               | Pass    |
|                 |            | 2595            | 100           | 0      | 19.245               | Pass    |
|                 |            | 2610            | 100           | 0      | 20.119               | Pass    |
|                 | 16QAM      | 2580            | 100           | 0      | 19.633               | Pass    |
|                 |            | 2595            | 100           | 0      | 19.711               | Pass    |
|                 |            | 2610            | 100           | 0      | 21.734               | Pass    |



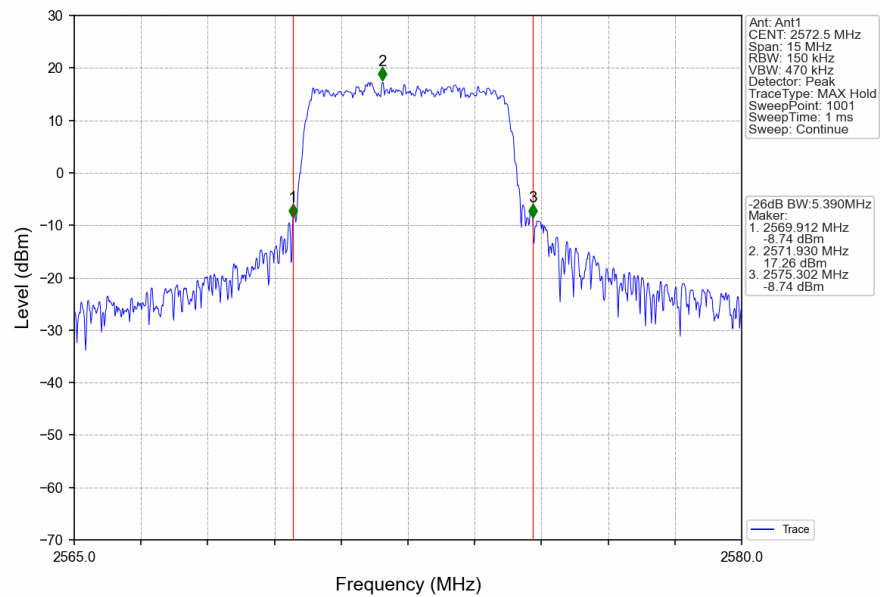
4.2.2 Test Graph



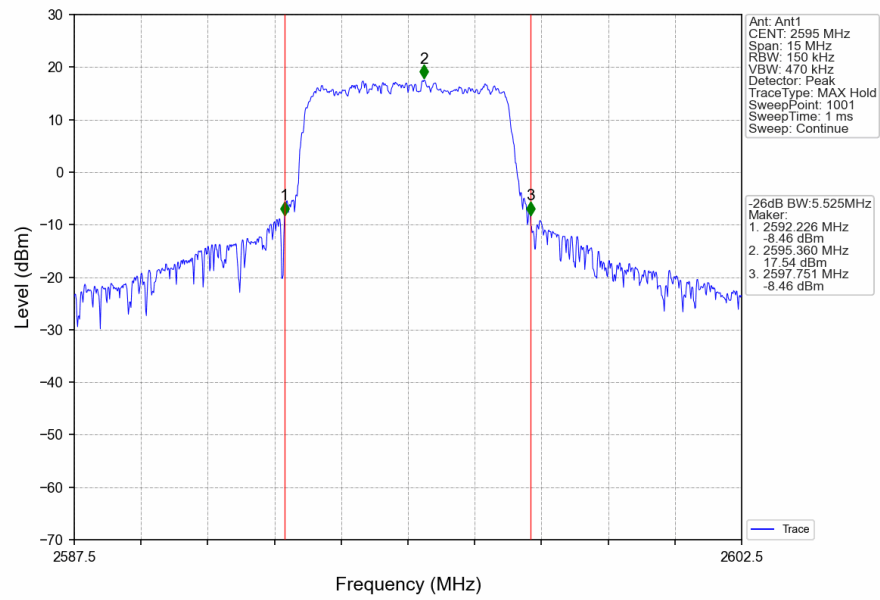
Band38 5MHz QPSK HCH 2617.5MHz RB 25 0 NTNV



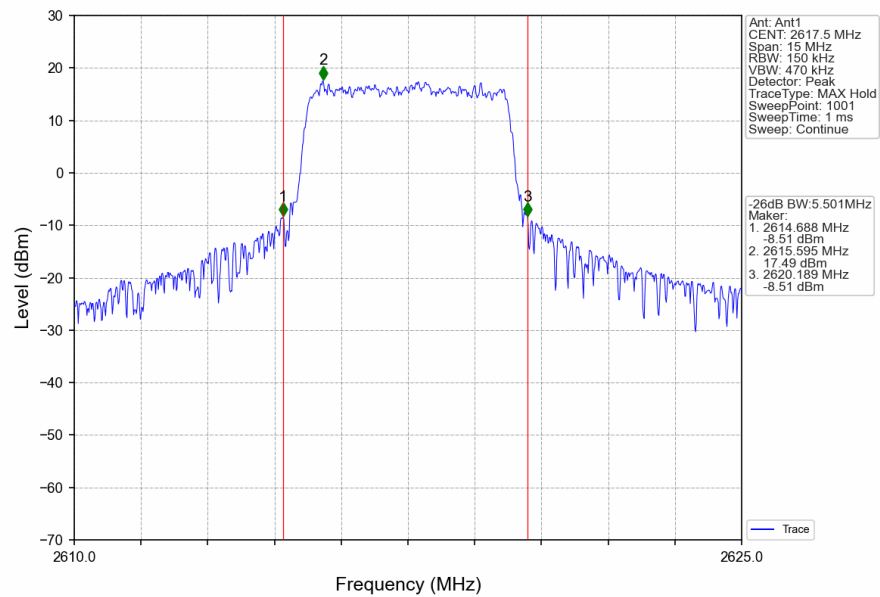
Band38 5MHz 16QAM LCH 2572.5MHz RB 25 0 NTNV



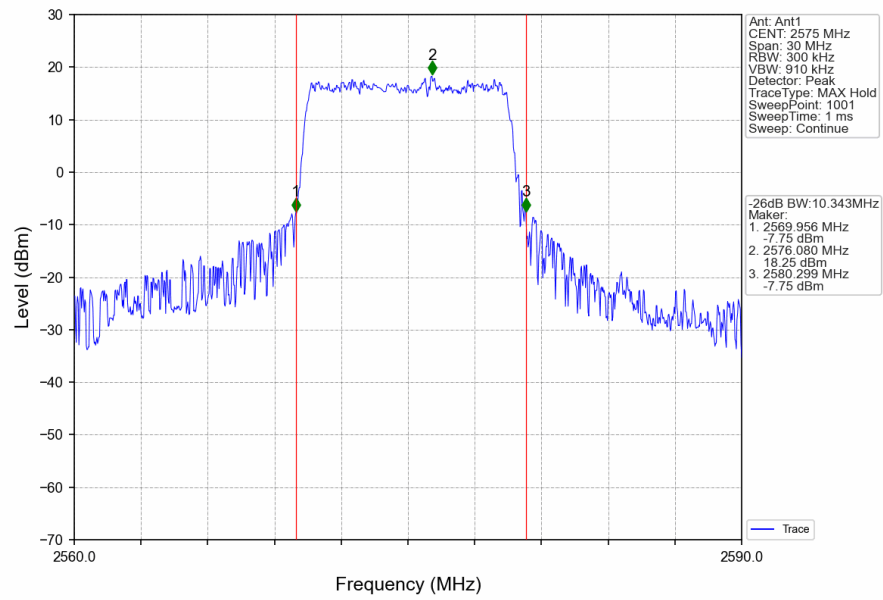
Band38 5MHz 16QAM MCH 2595MHz RB 25 0 NTNV



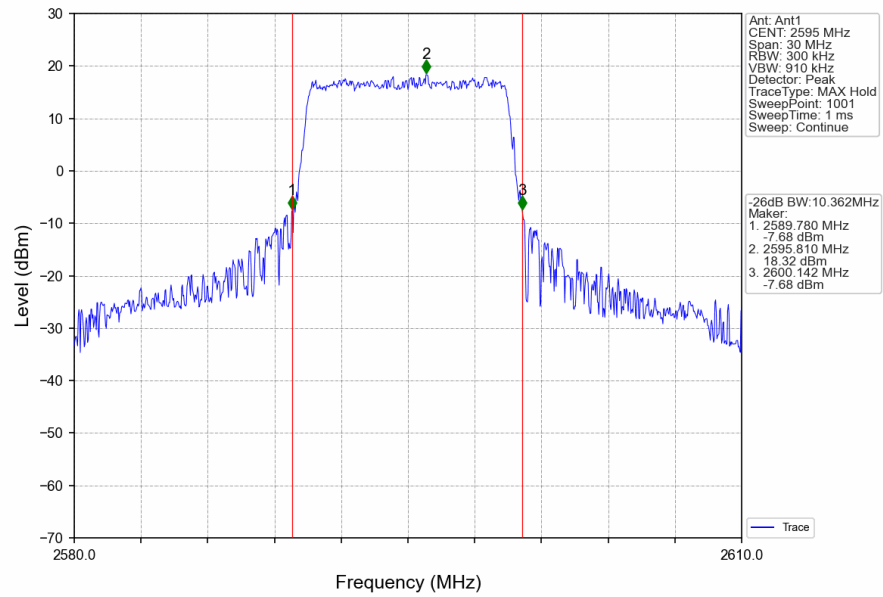
Band38 5MHz 16QAM HCH 2617.5MHz RB 25 0 NTNV



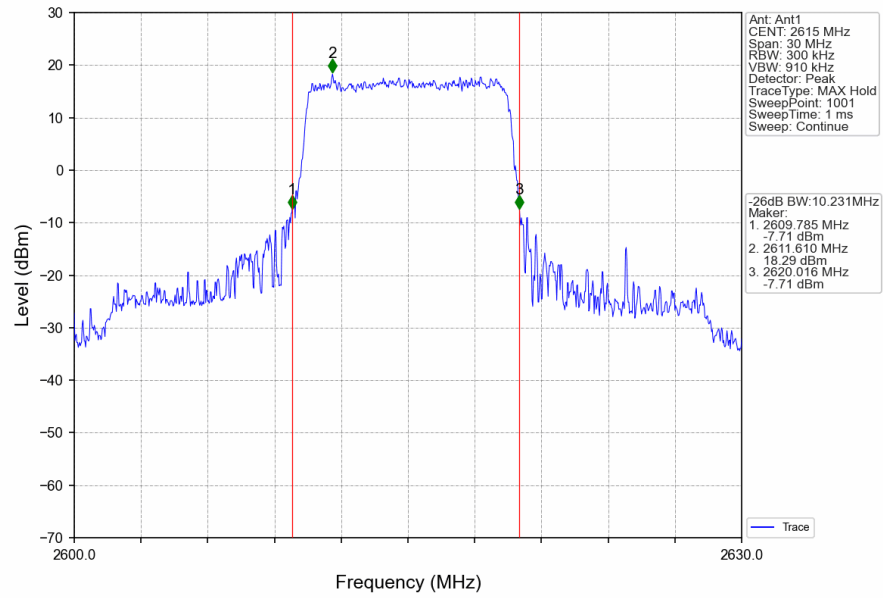
Band38\_10MHz\_QPSK\_LCH\_2575MHz\_RB\_50\_0\_NTNV



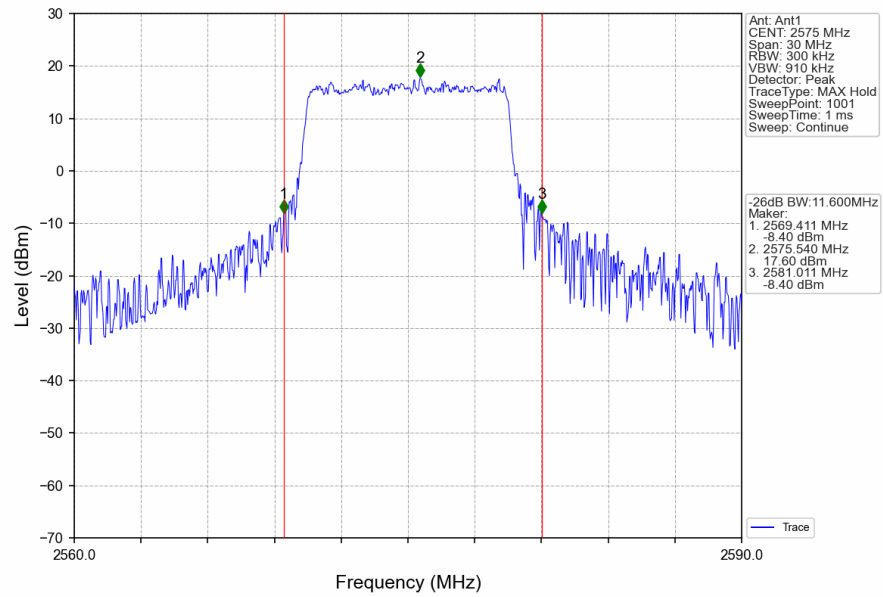
Band38\_10MHz\_QPSK\_MCH\_2595MHz\_RB\_50\_0\_NTNV



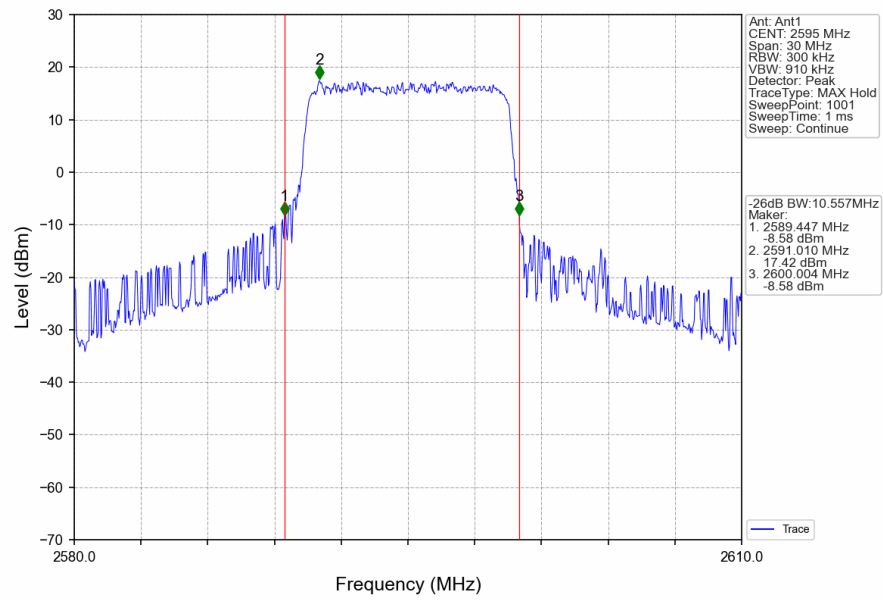
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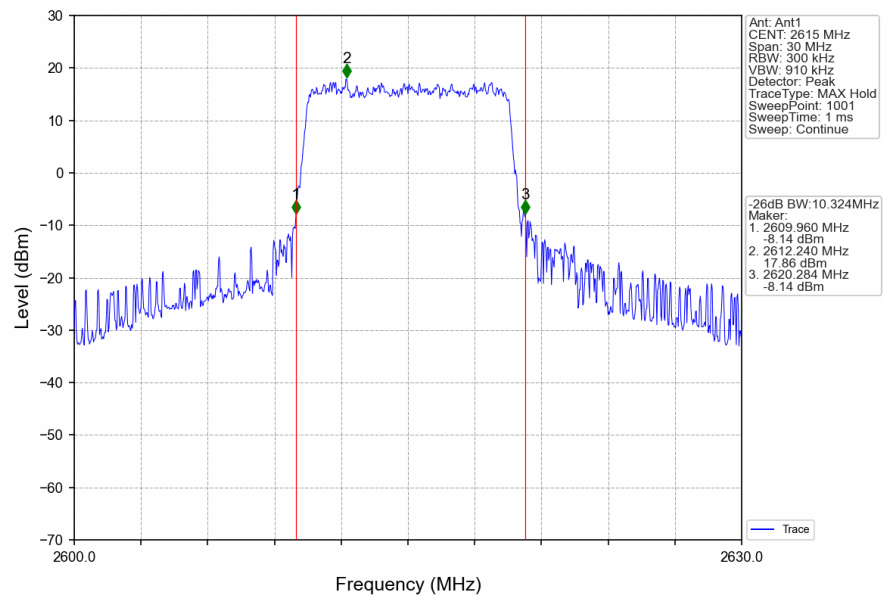
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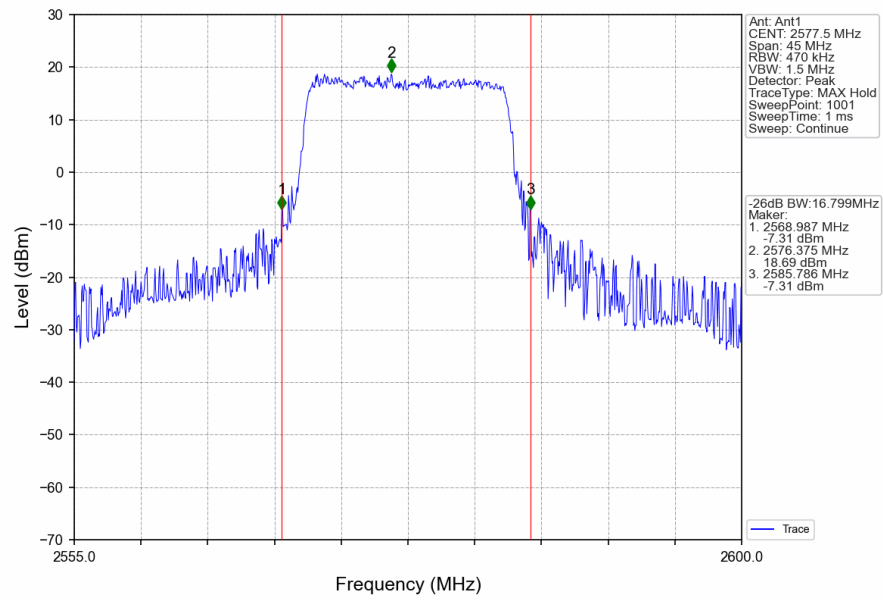
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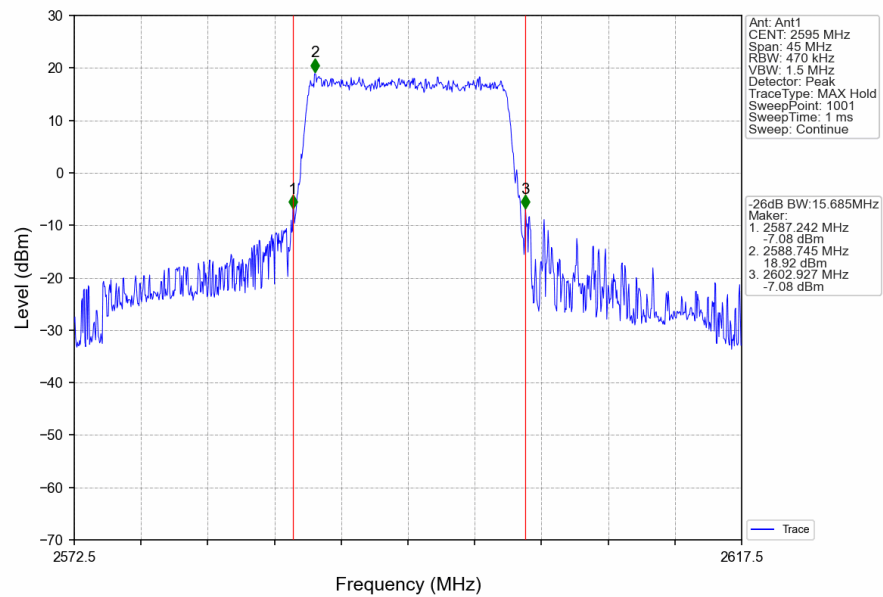
Band38\_10MHz\_16QAM\_HCH\_2615MHz\_RB\_50\_0\_NTNV



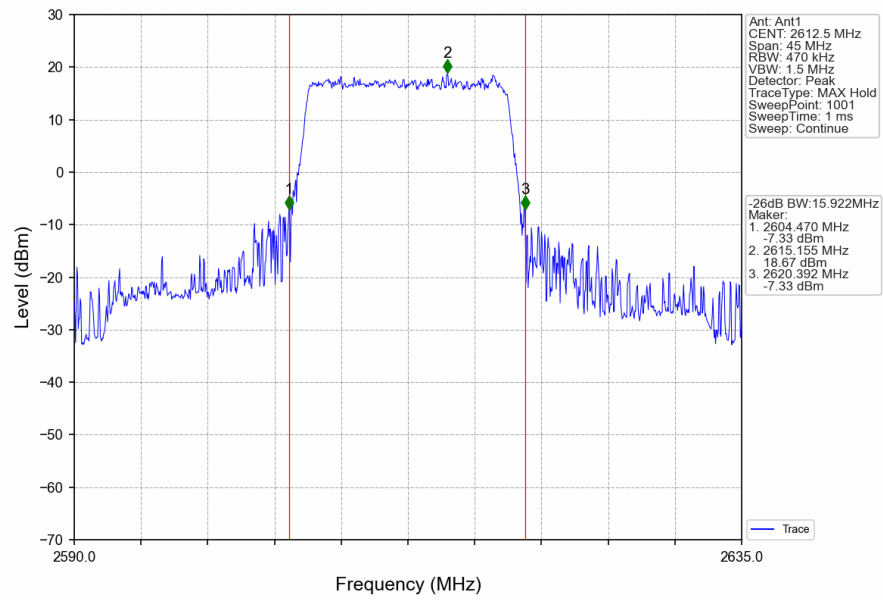
# Band38 15MHz QPSK LCH 2577.5MHz RB 75 0 NTNV



# Band38\_15MHz\_QPSK\_MCH\_2595MHz\_RB\_75\_0\_NTNV



Band38\_15MHz\_QPSK\_HCH\_2612.5MHz\_RB\_75\_0\_NTNV



Band38\_15MHz\_16QAM\_LCH\_2577.5MHz\_RB\_75\_0\_NTNV

