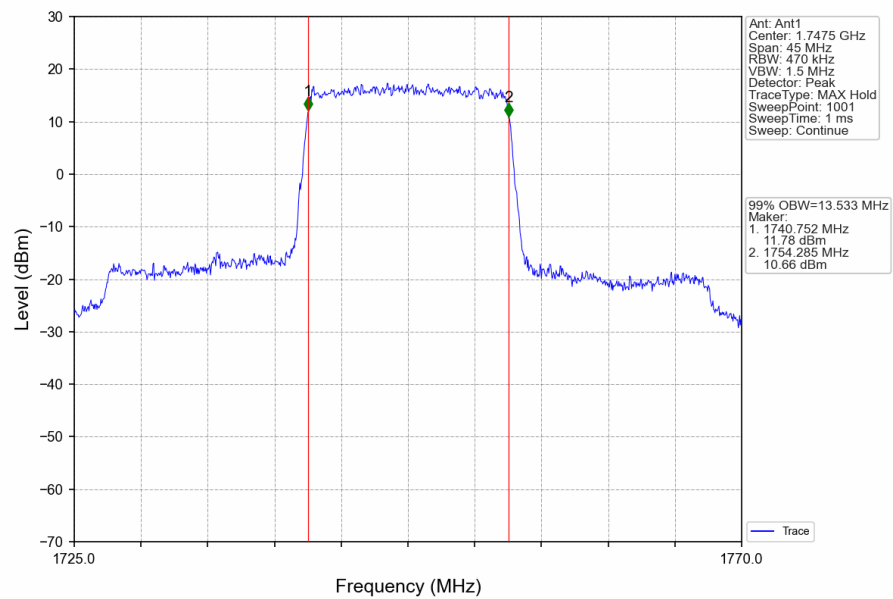
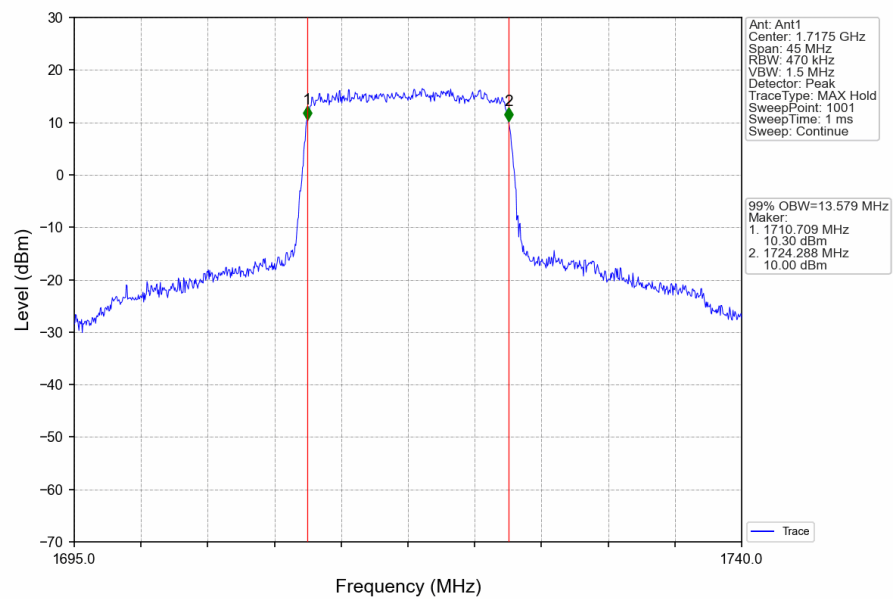


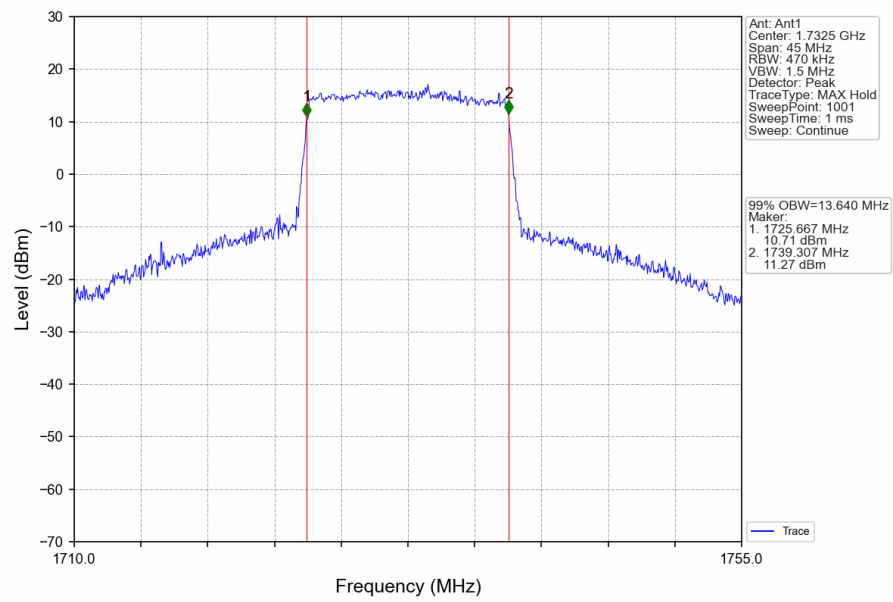
Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV



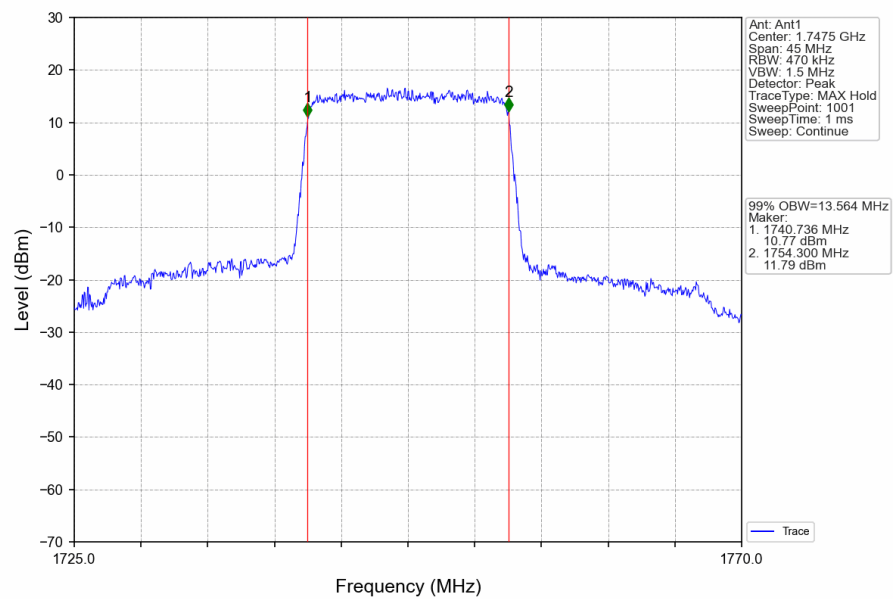
Band4\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



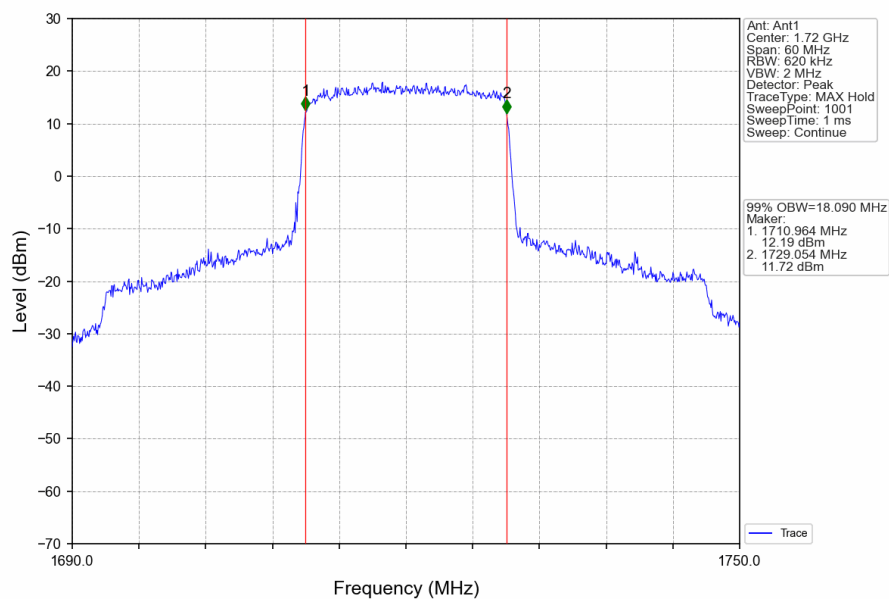
# Band4\_15MHz\_16QAM\_MCH\_1732.5MHz\_RB\_75\_0\_NTNV



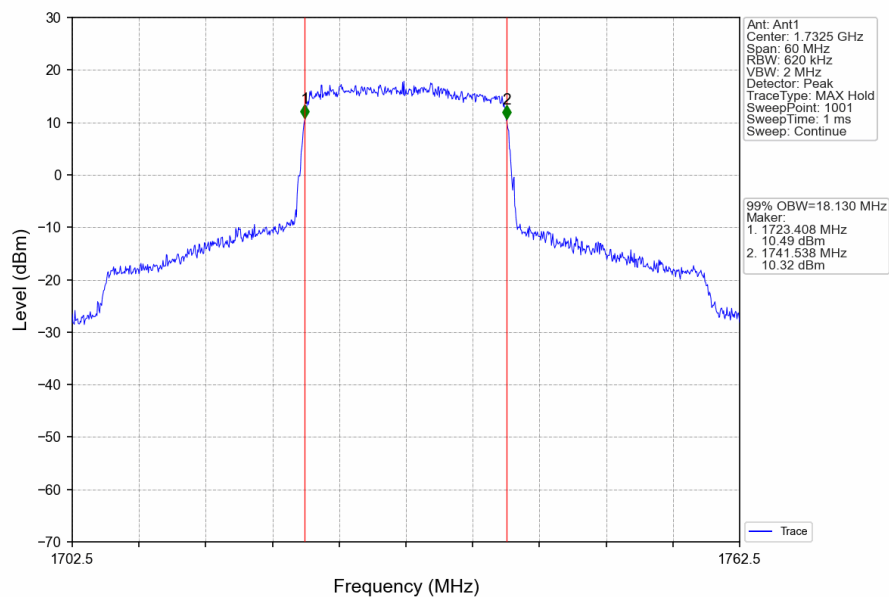
# Band4\_15MHz\_16QAM\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV



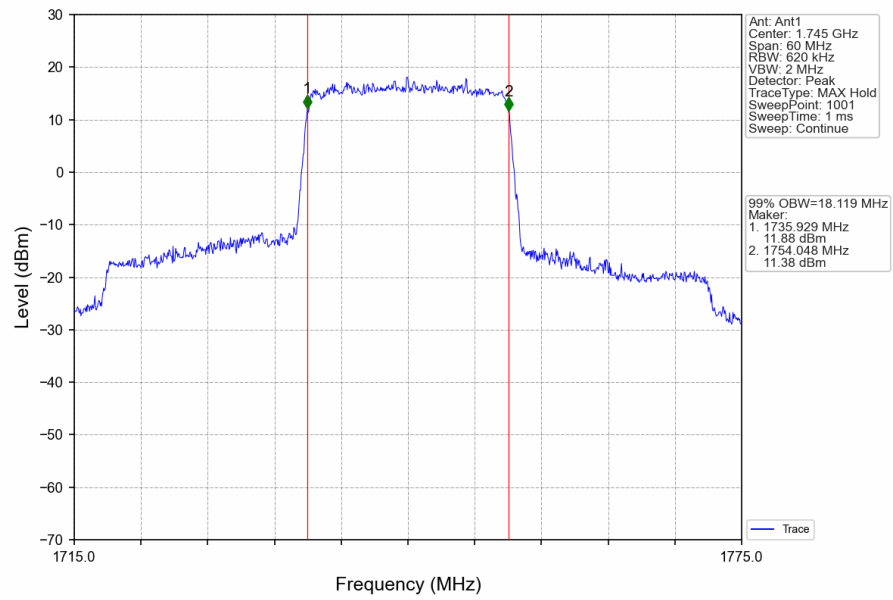
# Band4\_20MHz\_QPSK\_LCH\_1720MHz\_RB\_100\_0\_NTNV



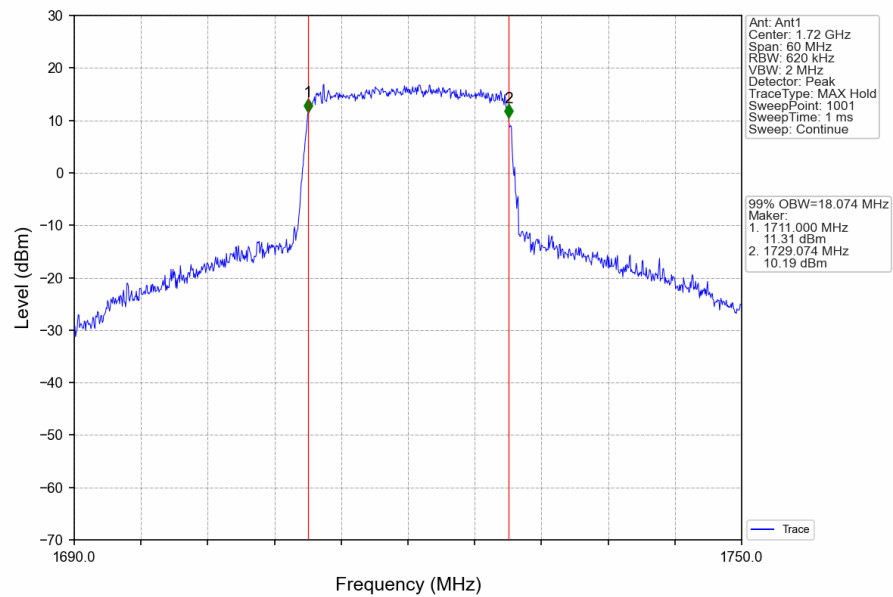
# Band4\_20MHz\_QPSK\_MCH\_1732.5MHz\_RB\_100\_0\_NTNV



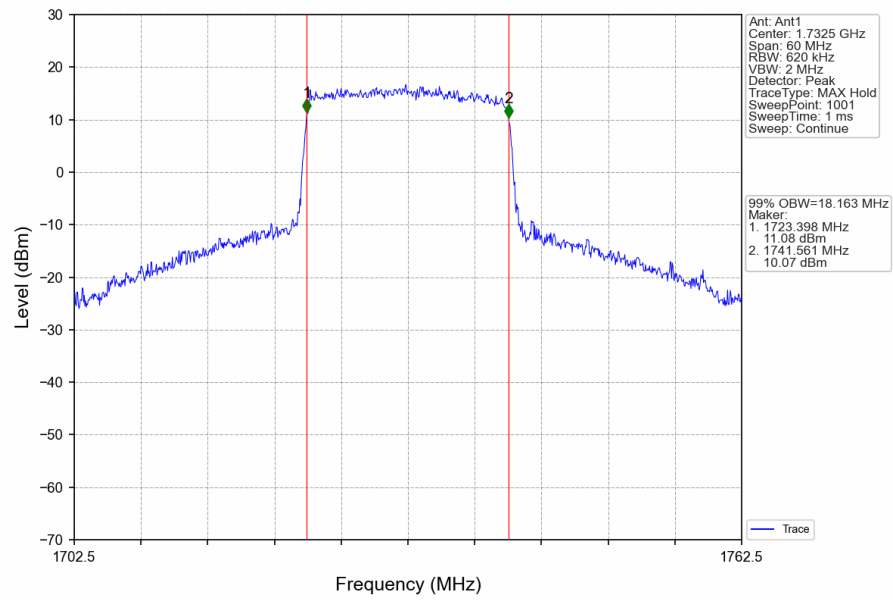
Band4\_20MHz\_QPSK\_HCH\_1745MHz\_RB\_100\_0\_NTNV



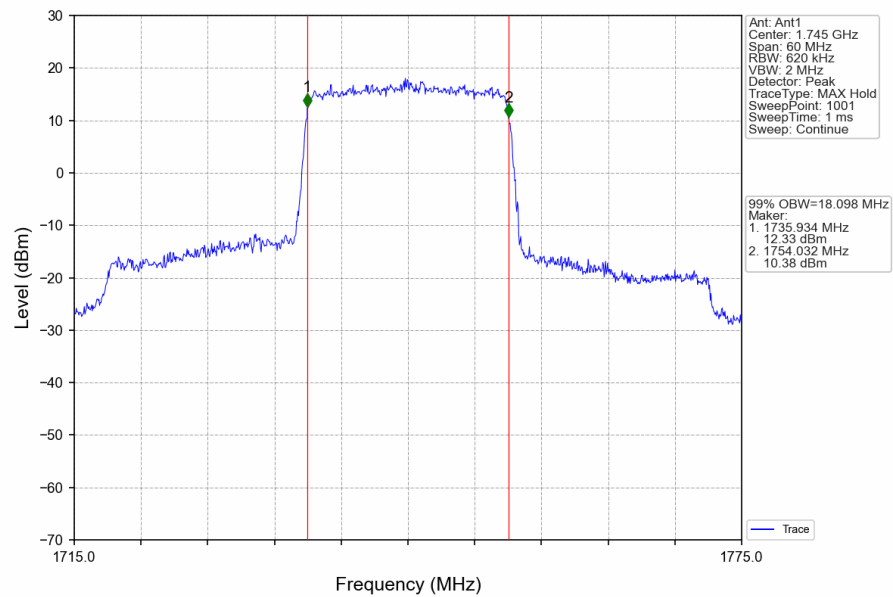
Band4\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_100\_0\_NTNV



Band4\_20MHz\_16QAM\_MCH\_1732.5MHz\_RB\_100\_0\_NTNV



Band4\_20MHz\_16QAM\_HCH\_1745MHz\_RB\_100\_0\_NTNV

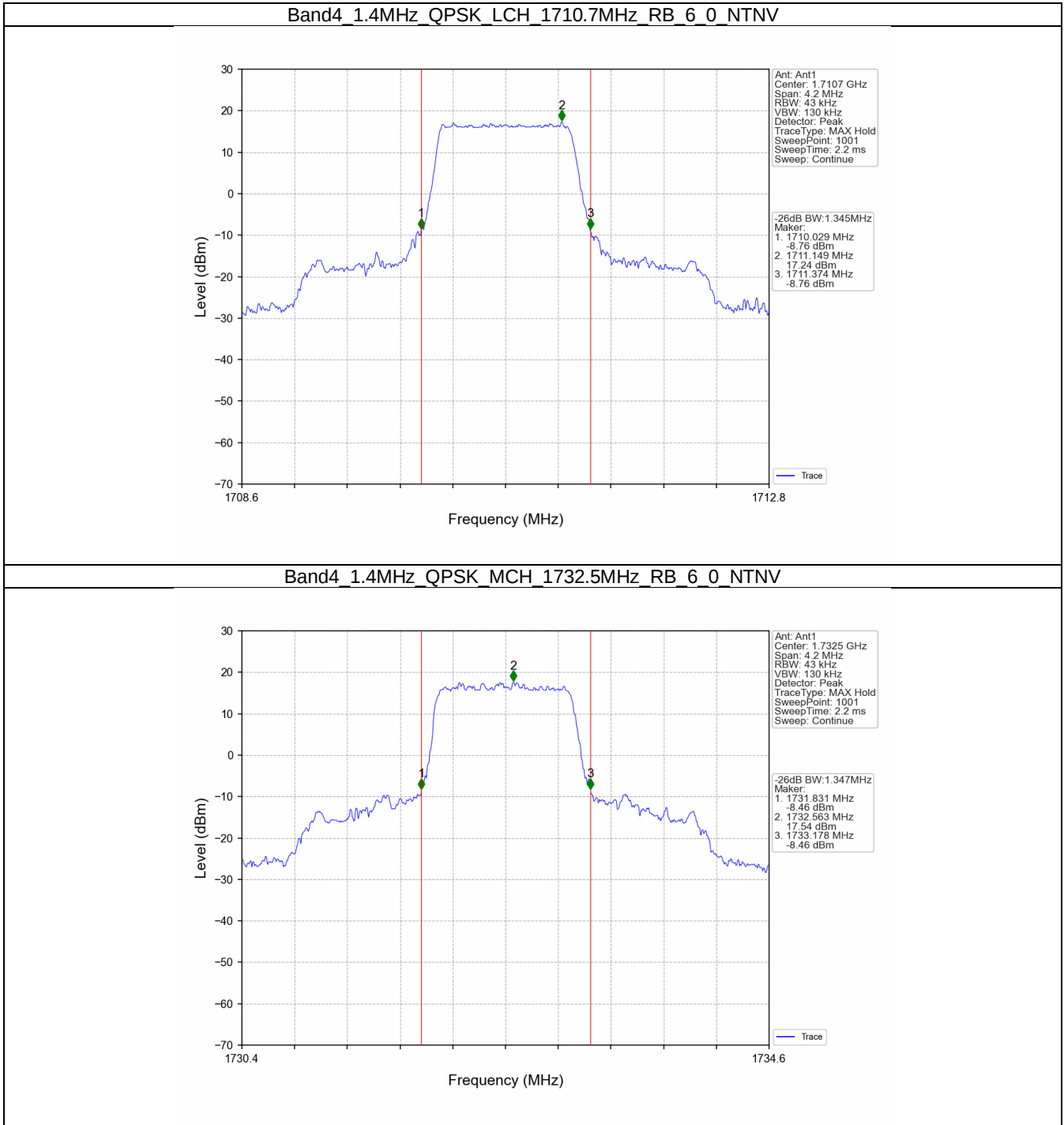


## 9.2 Band4\_XDB

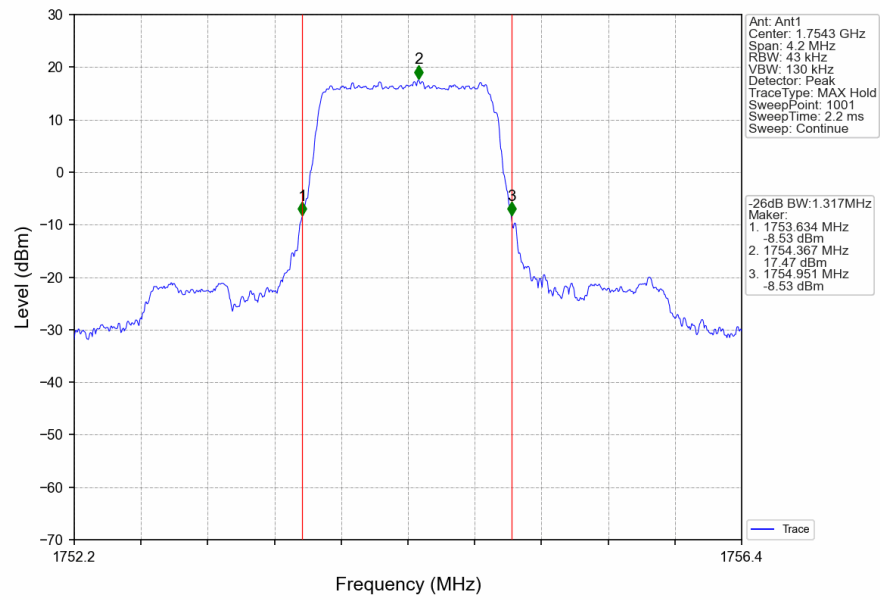
### 9.2.1 Test Result

| Band: 4 / NTNV  |            |                 |               |        |                      |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) | Verdict |
|                 |            |                 | Size          | Offset | Result               |         |
| 1.4             | QPSK       | 1710.7          | 6             | 0      | 1.345                | Pass    |
|                 |            | 1732.5          | 6             | 0      | 1.347                | Pass    |
|                 |            | 1754.3          | 6             | 0      | 1.317                | Pass    |
|                 | 16QAM      | 1710.7          | 6             | 0      | 1.343                | Pass    |
|                 |            | 1732.5          | 6             | 0      | 1.403                | Pass    |
|                 |            | 1754.3          | 6             | 0      | 1.333                | Pass    |
| 3               | QPSK       | 1711.5          | 15            | 0      | 3.059                | Pass    |
|                 |            | 1732.5          | 15            | 0      | 3.152                | Pass    |
|                 |            | 1753.5          | 15            | 0      | 3.073                | Pass    |
|                 | 16QAM      | 1711.5          | 15            | 0      | 3.057                | Pass    |
|                 |            | 1732.5          | 15            | 0      | 3.196                | Pass    |
|                 |            | 1753.5          | 15            | 0      | 3.046                | Pass    |
| 5               | QPSK       | 1712.5          | 25            | 0      | 5.099                | Pass    |
|                 |            | 1732.5          | 25            | 0      | 5.393                | Pass    |
|                 |            | 1752.5          | 25            | 0      | 5.087                | Pass    |
|                 | 16QAM      | 1712.5          | 25            | 0      | 5.094                | Pass    |
|                 |            | 1732.5          | 25            | 0      | 5.146                | Pass    |
|                 |            | 1752.5          | 25            | 0      | 5.092                | Pass    |
| 10              | QPSK       | 1715            | 50            | 0      | 10.138               | Pass    |
|                 |            | 1732.5          | 50            | 0      | 10.078               | Pass    |
|                 |            | 1750            | 50            | 0      | 9.964                | Pass    |
|                 | 16QAM      | 1715            | 50            | 0      | 10.015               | Pass    |
|                 |            | 1732.5          | 50            | 0      | 10.058               | Pass    |
|                 |            | 1750            | 50            | 0      | 10.087               | Pass    |
| 15              | QPSK       | 1717.5          | 75            | 0      | 15.098               | Pass    |
|                 |            | 1732.5          | 75            | 0      | 15.457               | Pass    |
|                 |            | 1747.5          | 75            | 0      | 14.949               | Pass    |
|                 | 16QAM      | 1717.5          | 75            | 0      | 15.024               | Pass    |
|                 |            | 1732.5          | 75            | 0      | 16.456               | Pass    |
|                 |            | 1747.5          | 75            | 0      | 14.961               | Pass    |
| 20              | QPSK       | 1720            | 100           | 0      | 19.808               | Pass    |
|                 |            | 1732.5          | 100           | 0      | 19.868               | Pass    |
|                 |            | 1745            | 100           | 0      | 19.817               | Pass    |
|                 | 16QAM      | 1720            | 100           | 0      | 19.785               | Pass    |
|                 |            | 1732.5          | 100           | 0      | 21.507               | Pass    |
|                 |            | 1745            | 100           | 0      | 19.847               | Pass    |

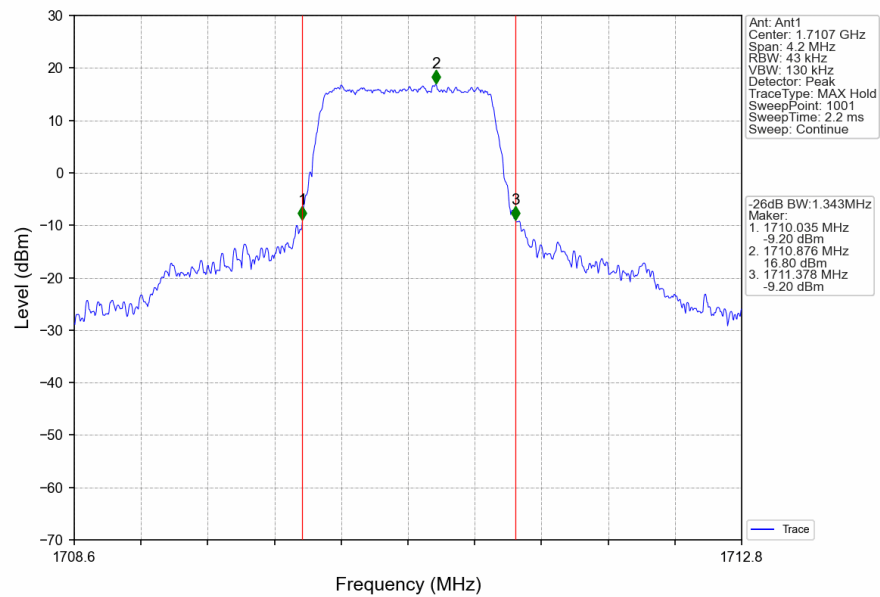
9.2.2 Test Graph



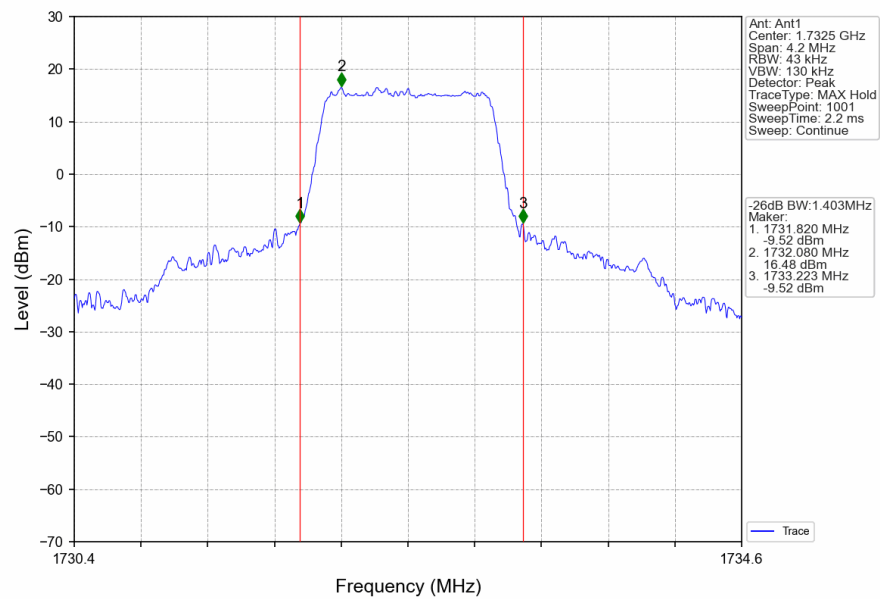
Band4\_1.4MHz\_QPSK\_HCH\_1754.3MHz\_RB\_6\_0\_NTNV



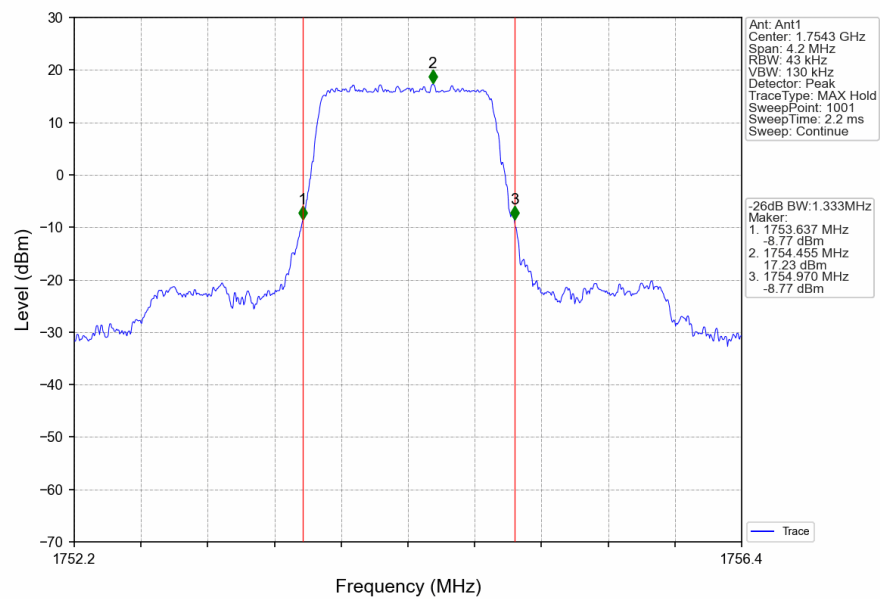
Band4\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_6\_0\_NTNV



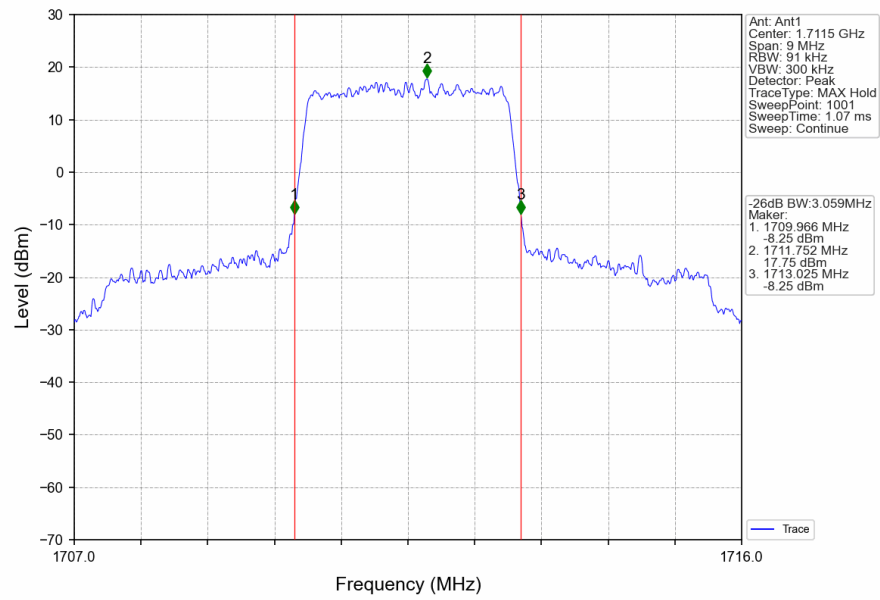
Band4\_1.4MHz\_16QAM\_MCH\_1732.5MHz\_RB\_6\_0\_NTNV



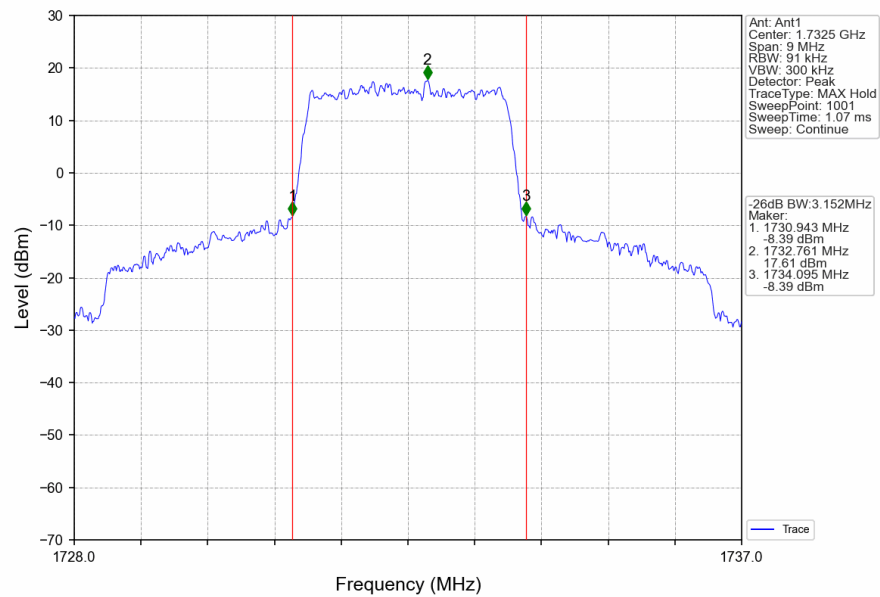
Band4\_1.4MHz\_16QAM\_HCH\_1754.3MHz\_RB\_6\_0\_NTNV



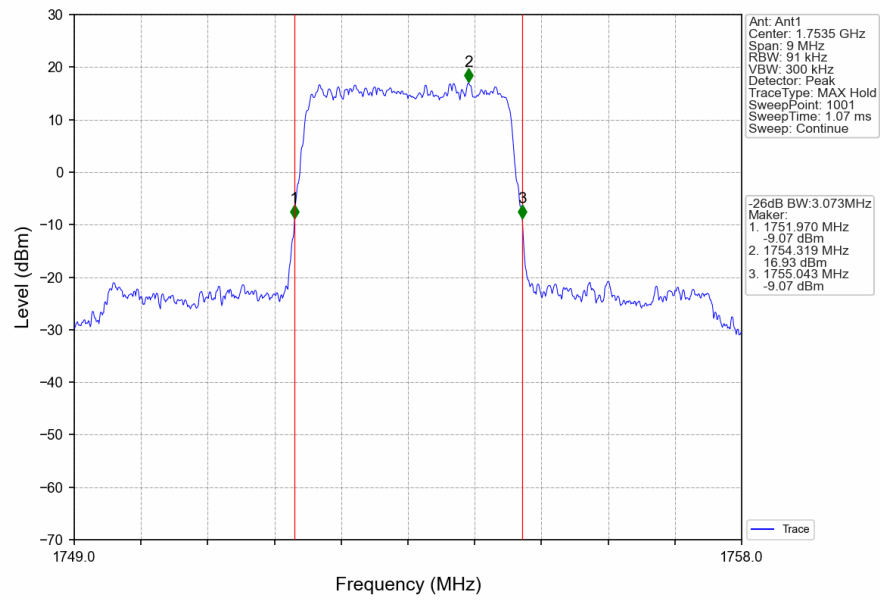
# Band4\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



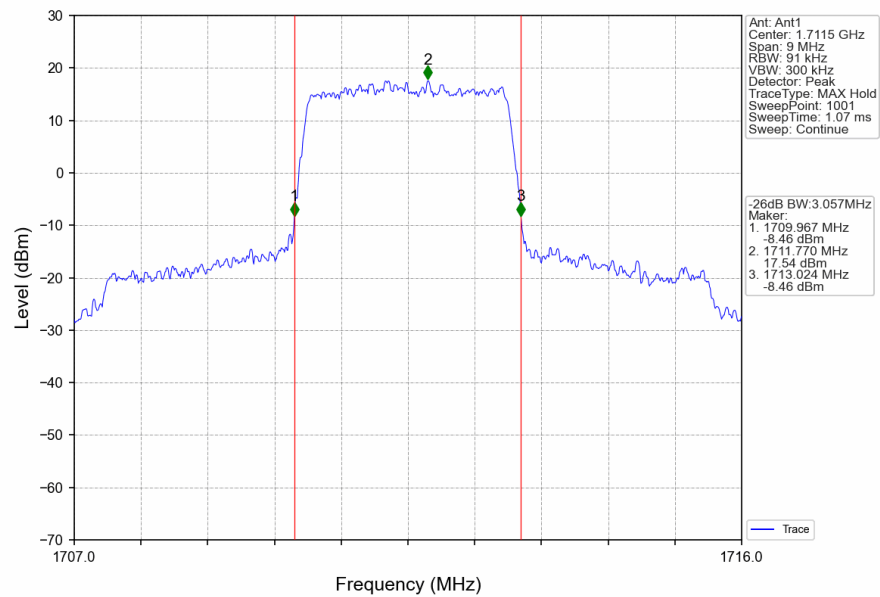
# Band4\_3MHz\_QPSK\_MCH\_1732.5MHz\_RB\_15\_0\_NTNV



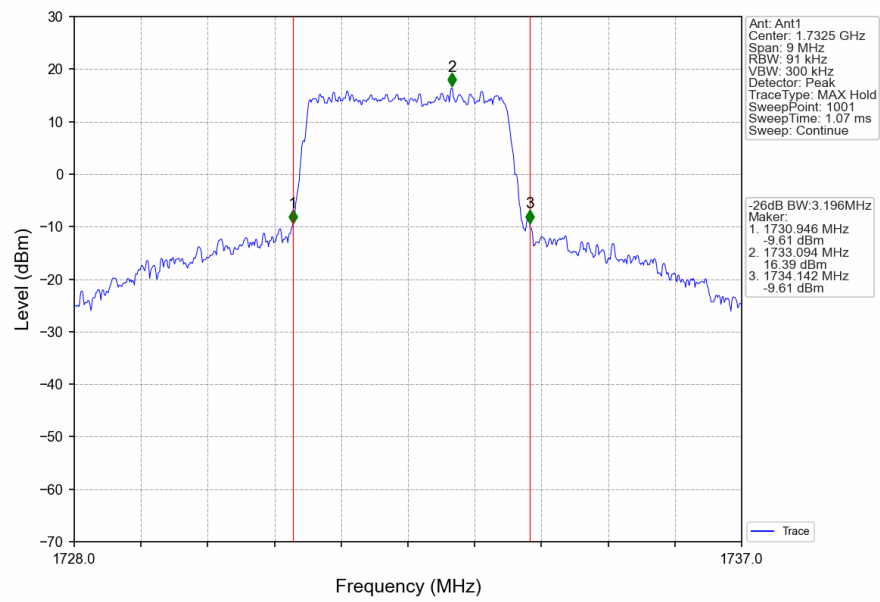
# Band4\_3MHz\_QPSK\_HCH\_1753.5MHz\_RB\_15\_0\_NTNV



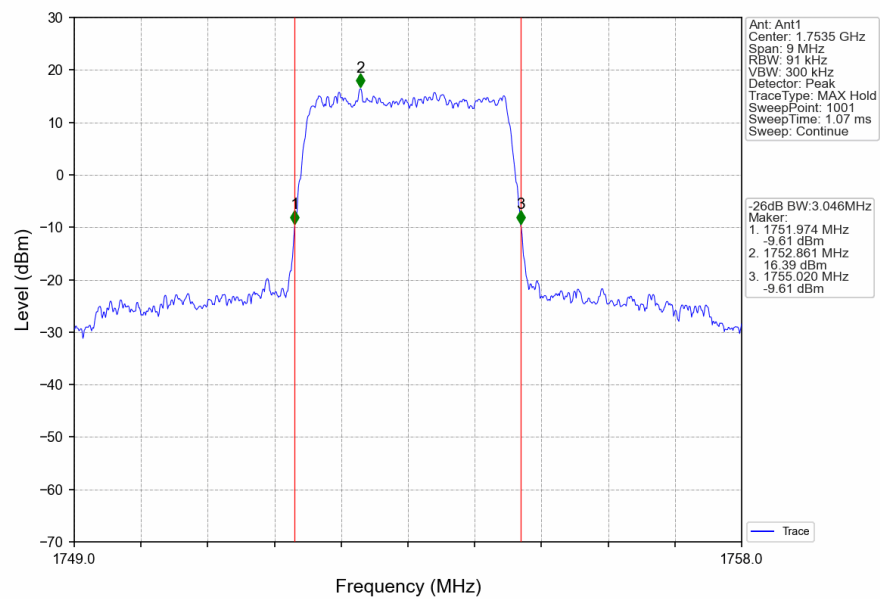
# Band4\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



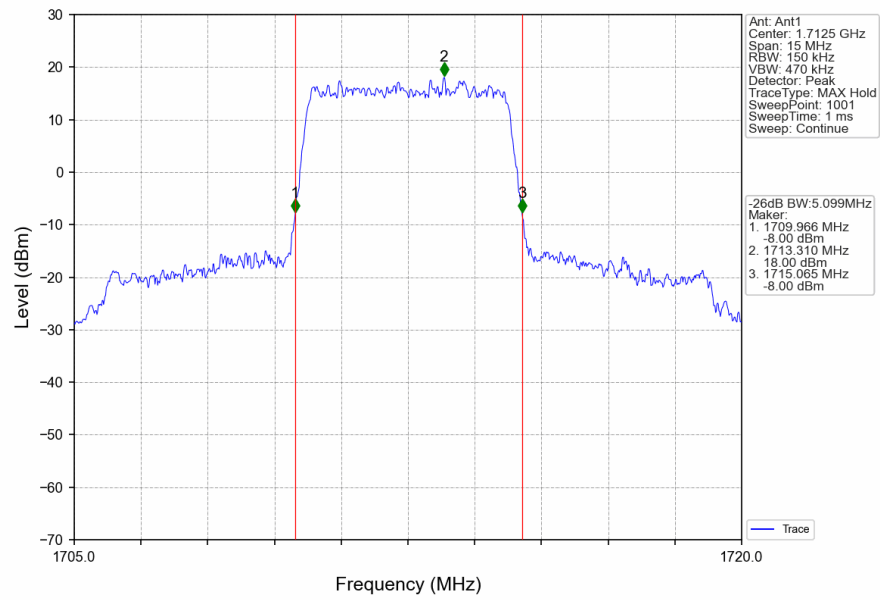
Band4\_3MHz\_16QAM\_MCH\_1732.5MHz\_RB\_15\_0\_NTNV



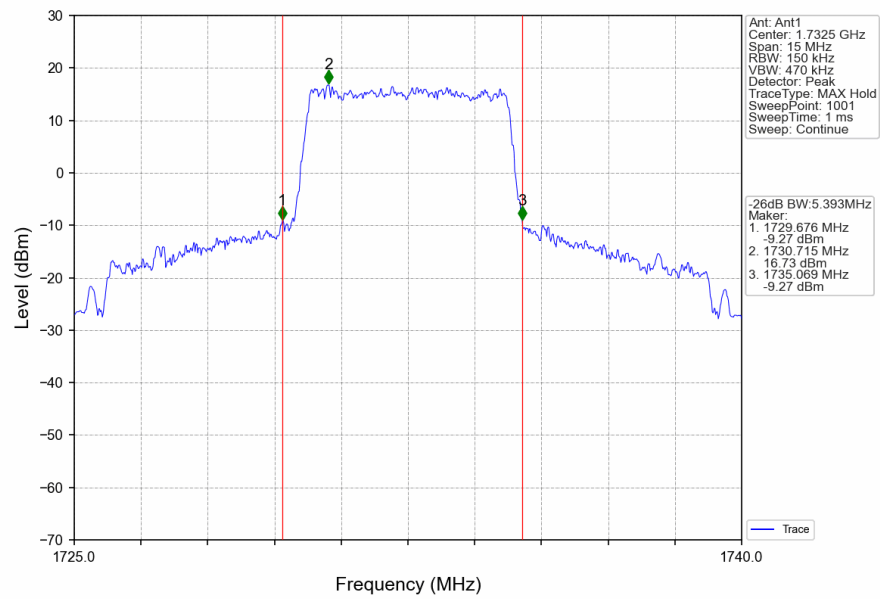
Band4\_3MHz\_16QAM\_HCH\_1753.5MHz\_RB\_15\_0\_NTNV



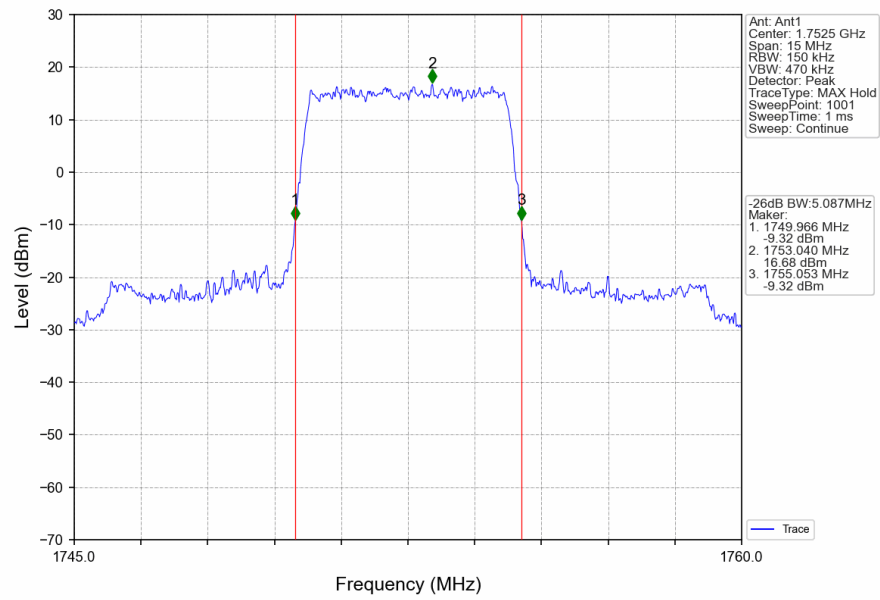
# Band4\_5MHz\_QPSK\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



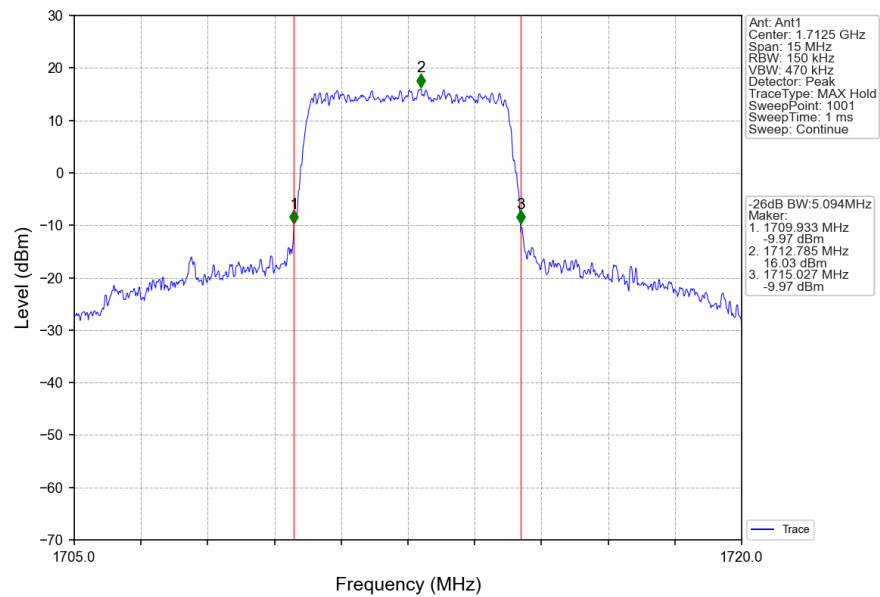
# Band4\_5MHz\_QPSK\_MCH\_1732.5MHz\_RB\_25\_0\_NTNV



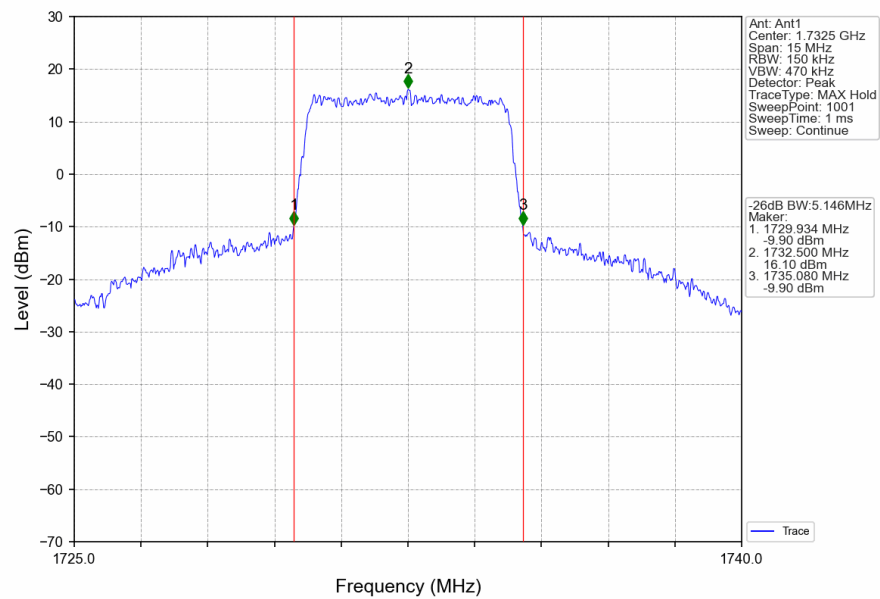
# Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV



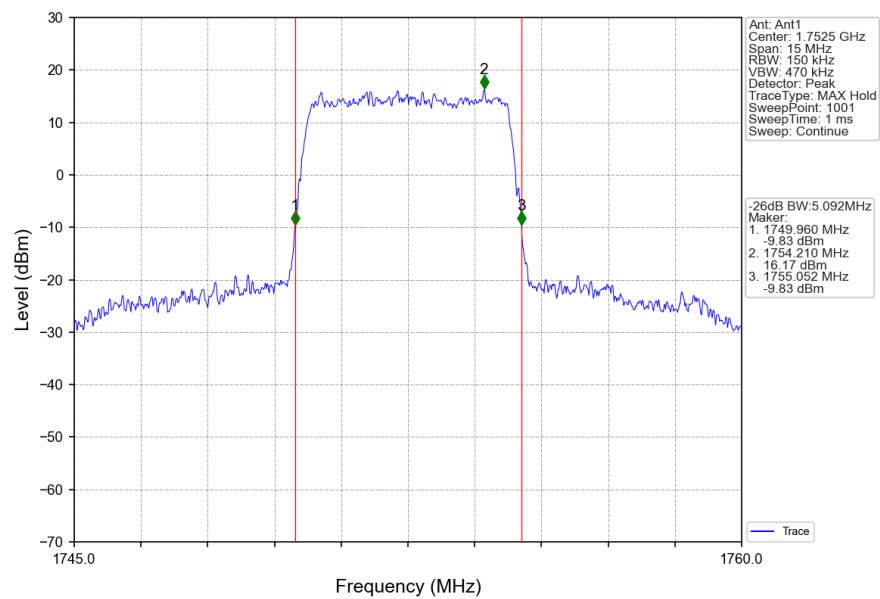
# Band4\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



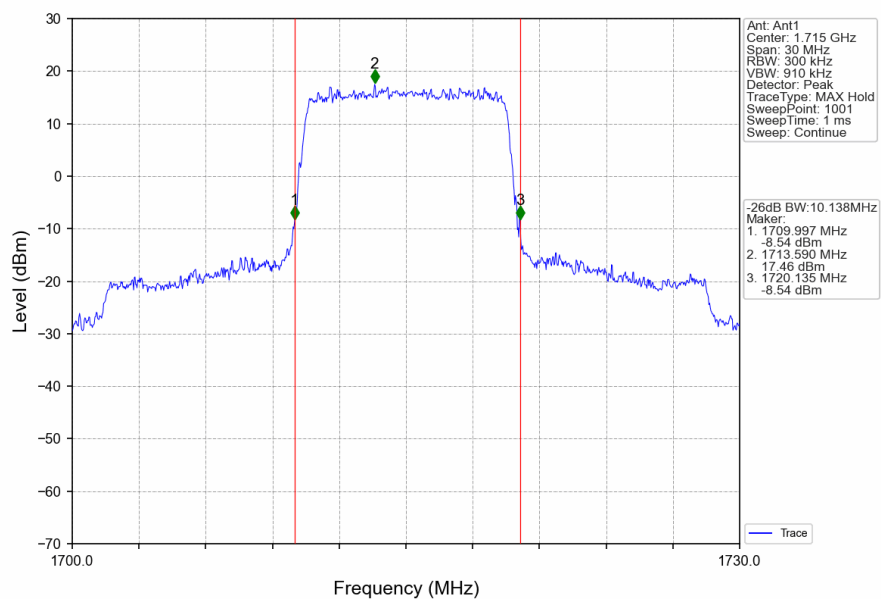
Band4\_5MHz\_16QAM\_MCH\_1732.5MHz\_RB\_25\_0\_NTNV



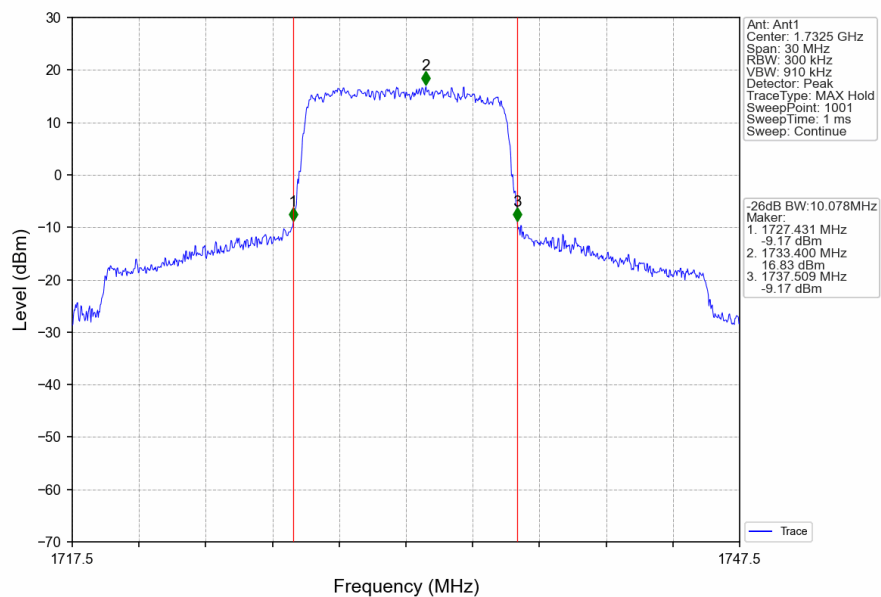
Band4\_5MHz\_16QAM\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV



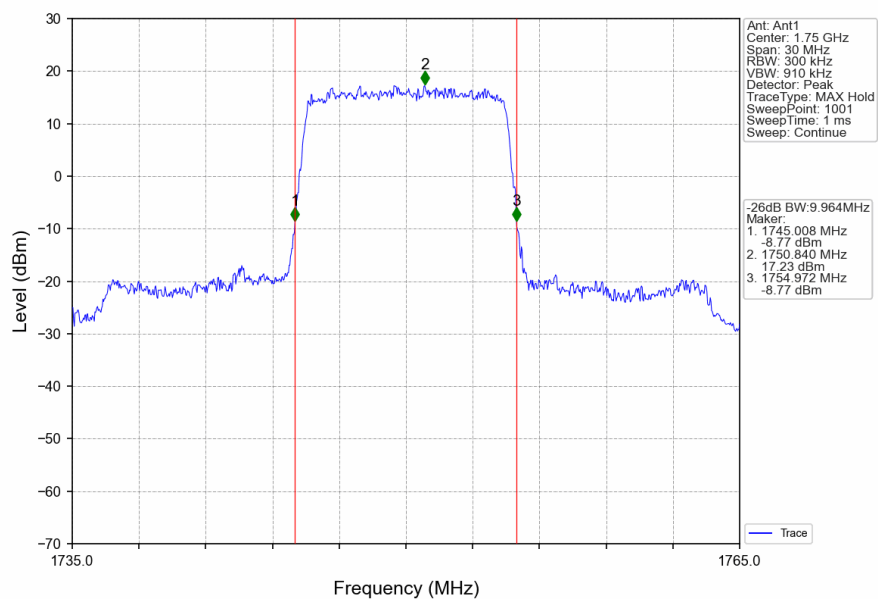
# Band4\_10MHz\_QPSK\_LCH\_1715MHz\_RB\_50\_0\_NTNV



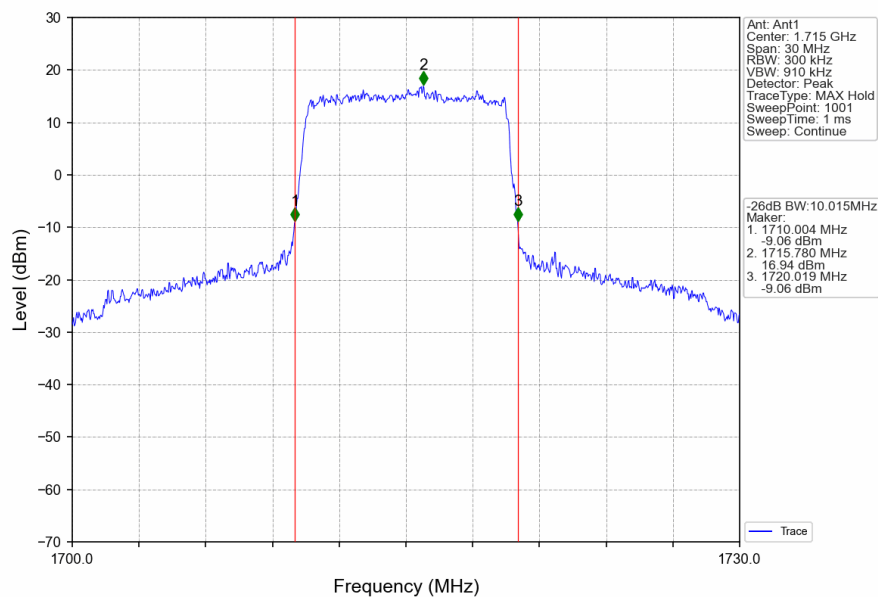
# Band4\_10MHz\_QPSK\_MCH\_1732.5MHz\_RB\_50\_0\_NTNV



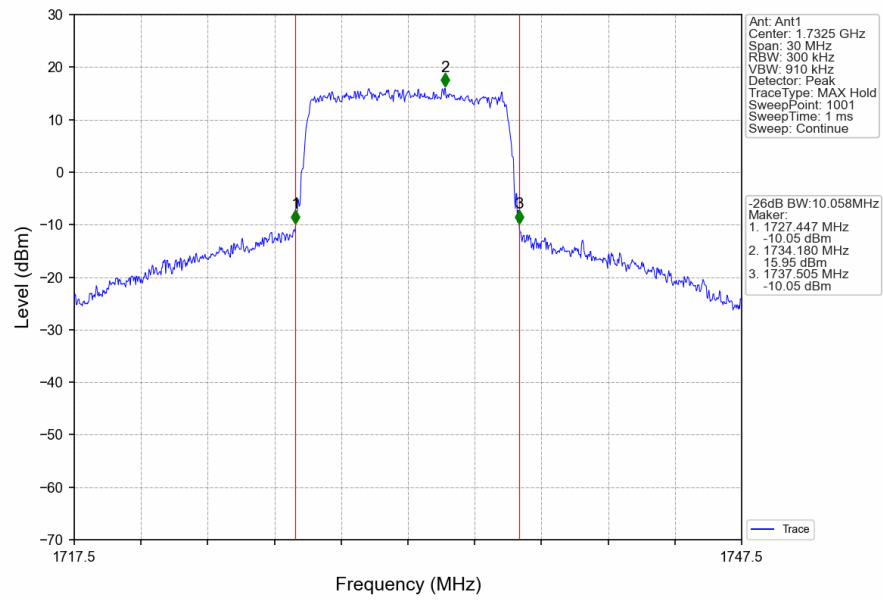
# Band4\_10MHz\_QPSK\_HCH\_1750MHz\_RB\_50\_0\_NTNV



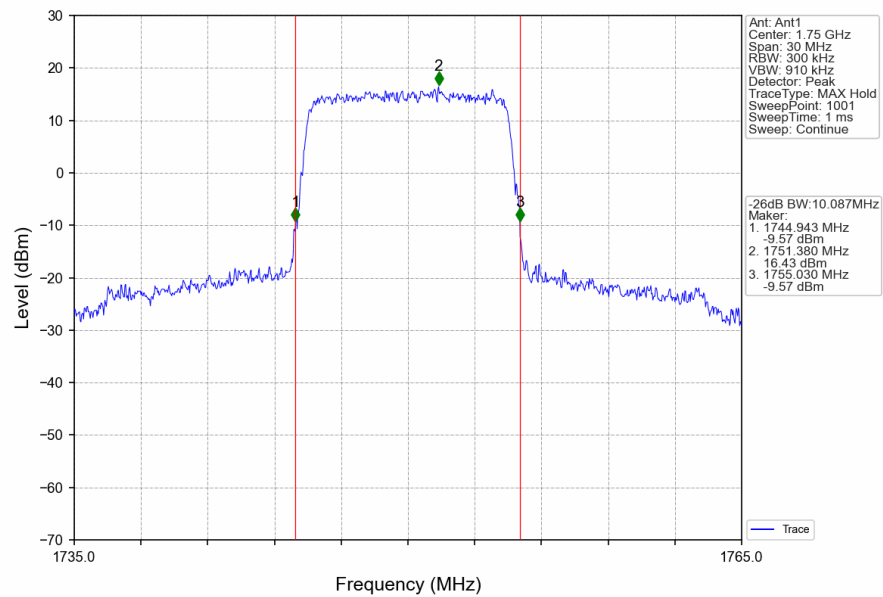
# Band4\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_50\_0\_NTNV



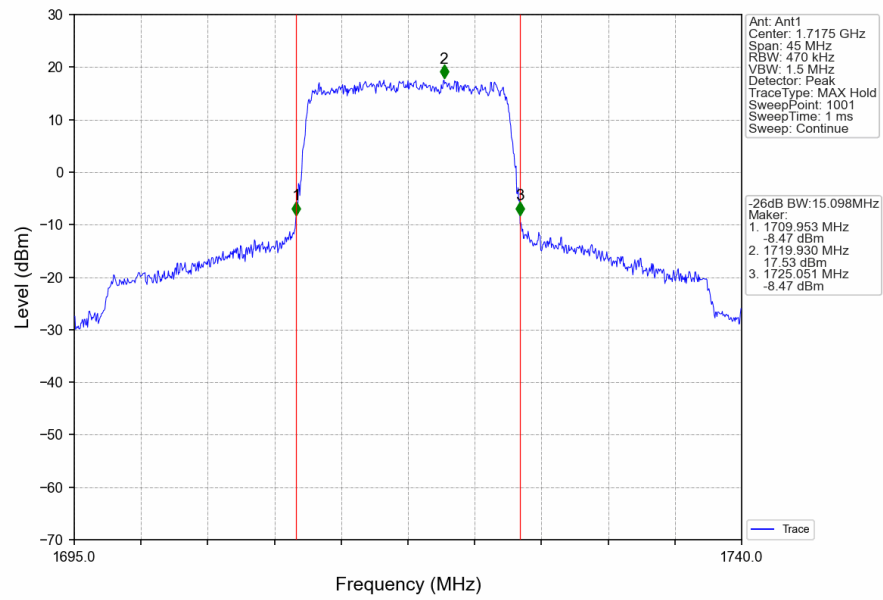
Band4\_10MHz\_16QAM\_MCH\_1732.5MHz\_RB\_50\_0\_NTNV



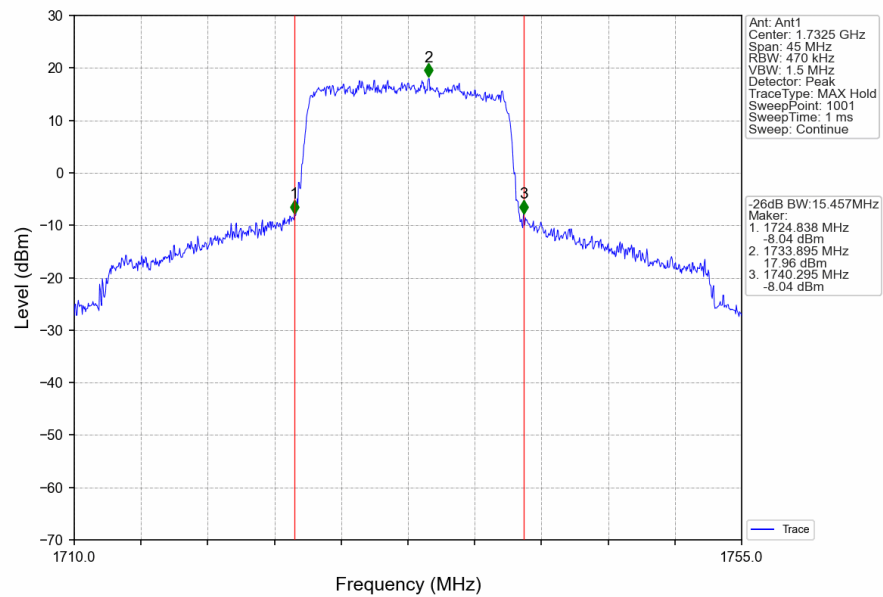
Band4\_10MHz\_16QAM\_HCH\_1750MHz\_RB\_50\_0\_NTNV



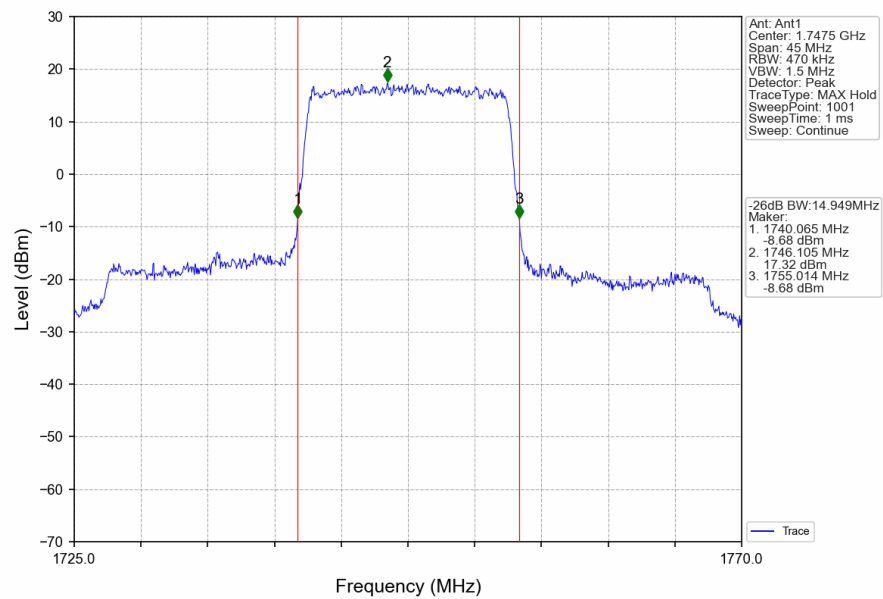
Band4\_15MHz\_QPSK\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



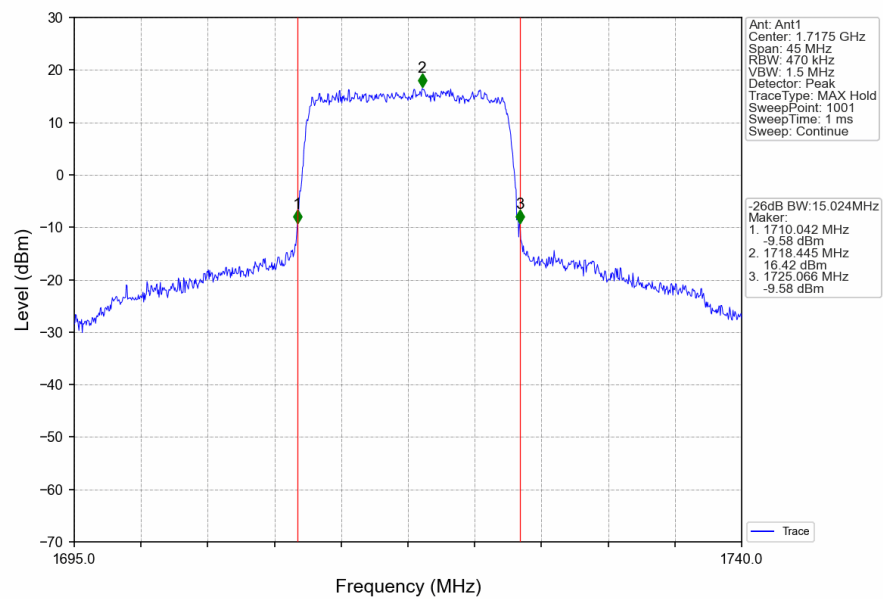
Band4\_15MHz\_QPSK\_MCH\_1732.5MHz\_RB\_75\_0\_NTNV



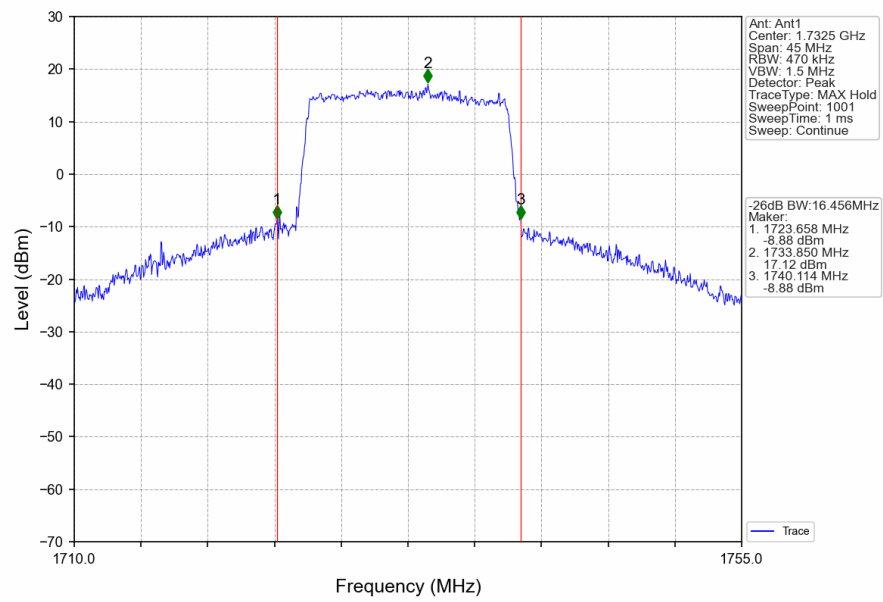
Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV



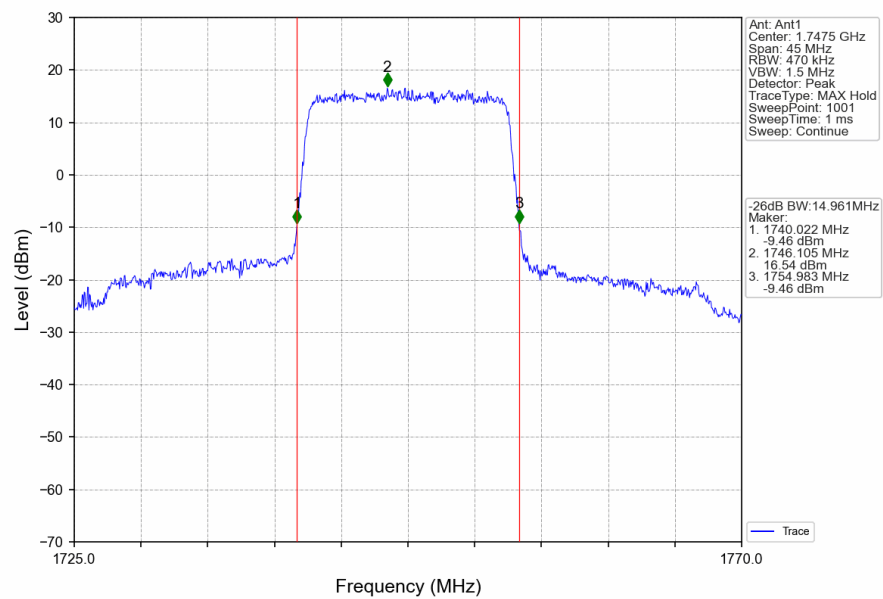
Band4\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



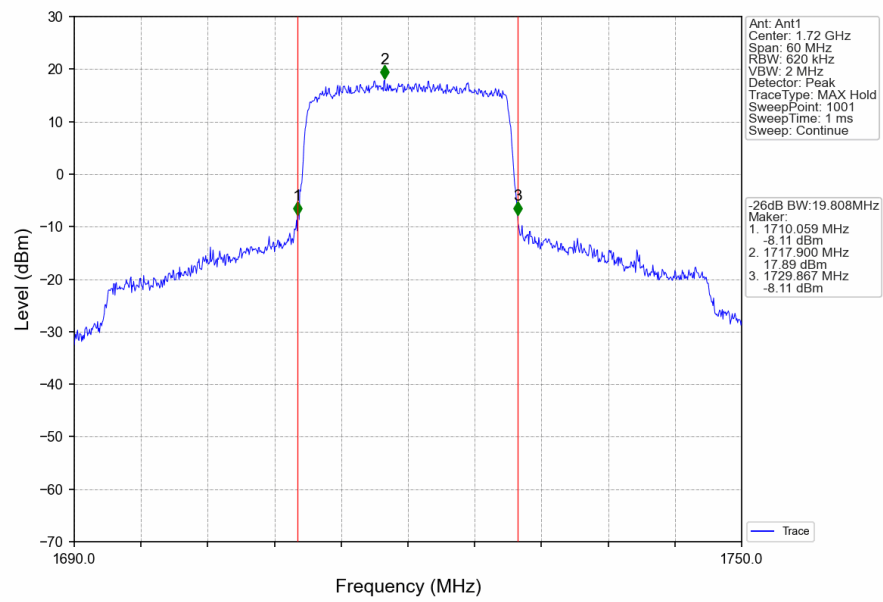
Band4\_15MHz\_16QAM\_MCH\_1732.5MHz\_RB\_75\_0\_NTNV



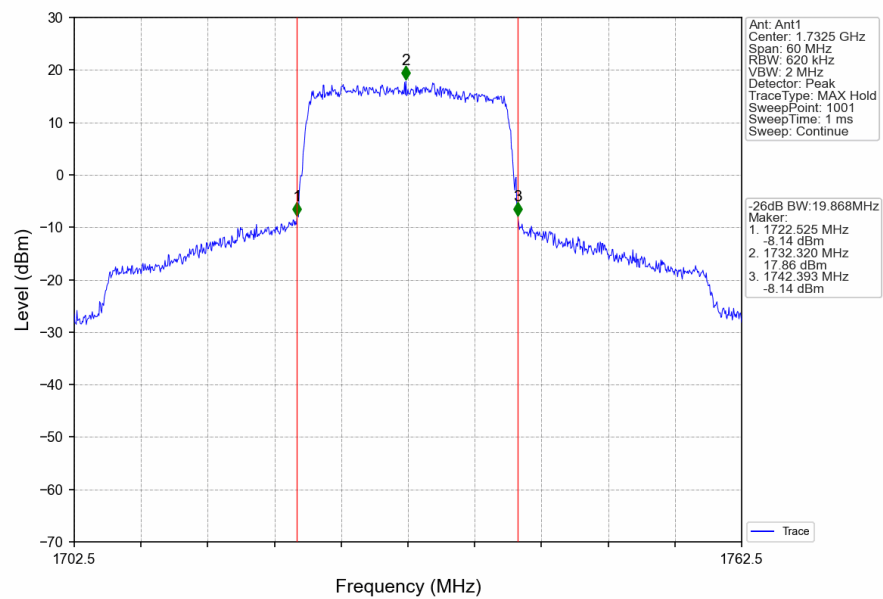
Band4\_15MHz\_16QAM\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV



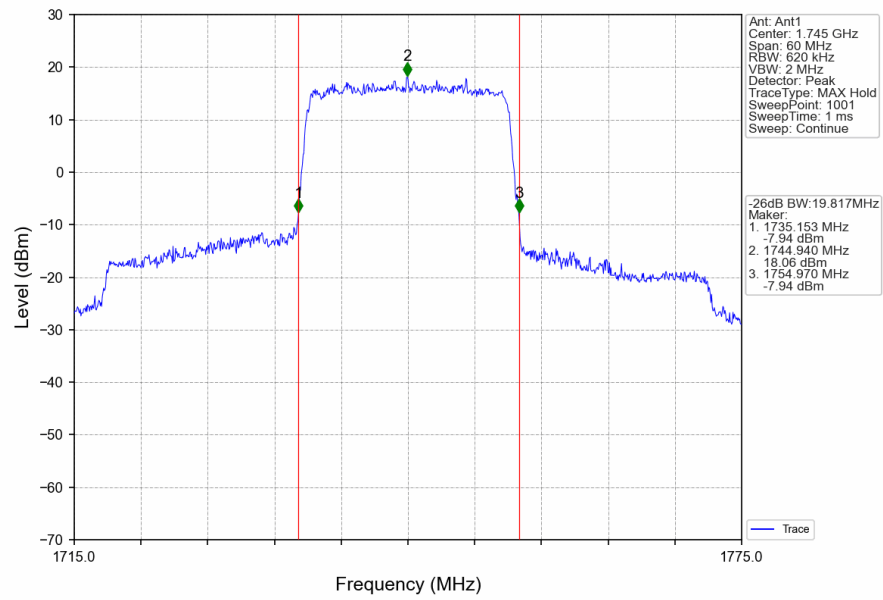
# Band4\_20MHz\_QPSK\_LCH\_1720MHz\_RB\_100\_0\_NTNV



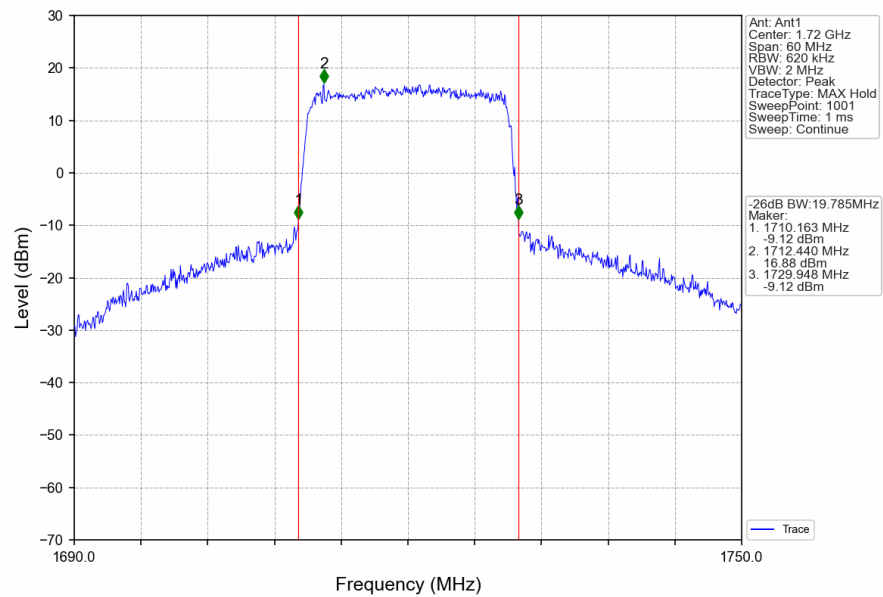
# Band4\_20MHz\_QPSK\_MCH\_1732.5MHz\_RB\_100\_0\_NTNV



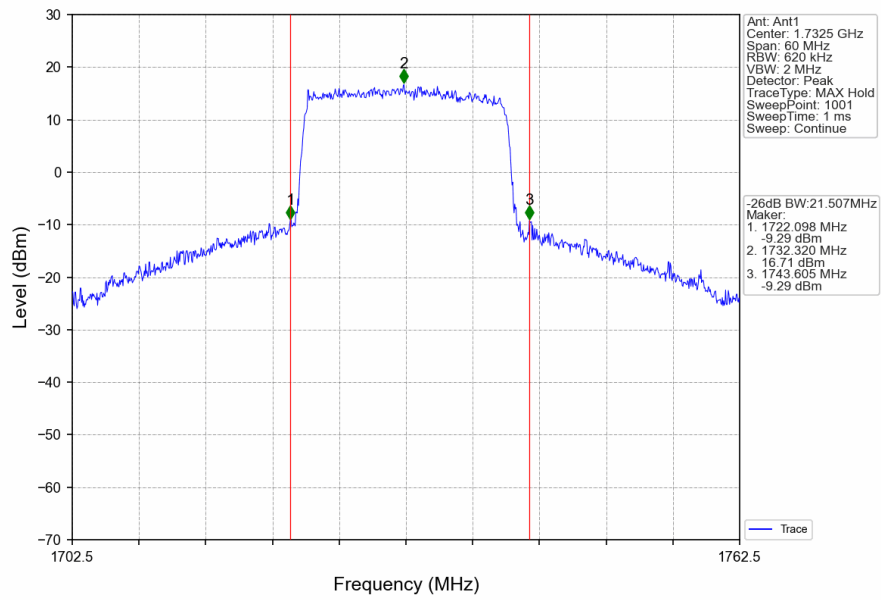
Band4\_20MHz\_QPSK\_HCH\_1745MHz\_RB\_100\_0\_NTNV



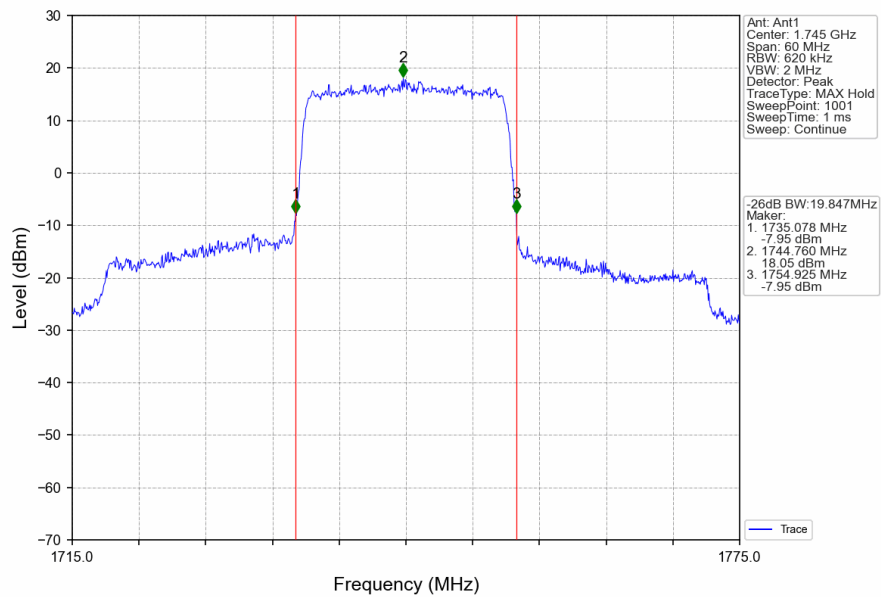
Band4\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_100\_0\_NTNV



Band4\_20MHz\_16QAM\_MCH\_1732.5MHz\_RB\_100\_0\_NTNV



Band4\_20MHz\_16QAM\_HCH\_1745MHz\_RB\_100\_0\_NTNV



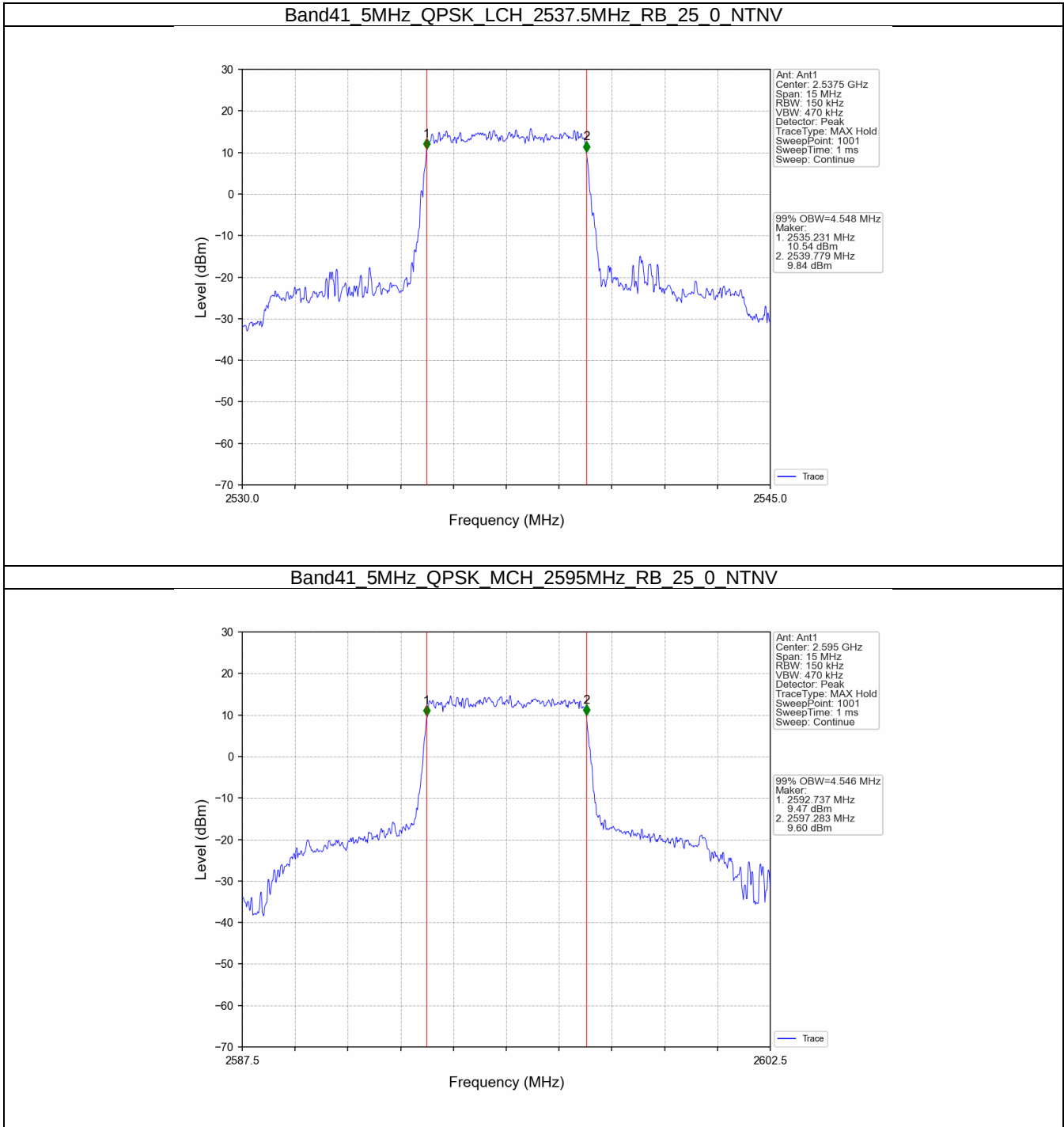
## 10. 99% & 26dB Bandwidth

### 10.1 Band41\_OBW

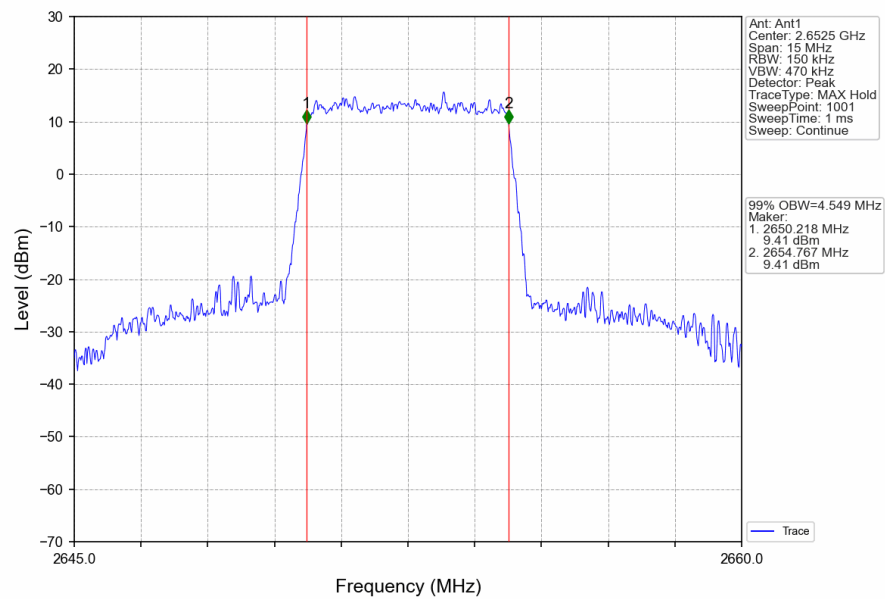
#### 10.1.1 Test Result

| Band: 41 / NTNV |            |                 |               |        |                              |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) | Verdict |
|                 |            |                 | Size          | Offset | Result                       |         |
| 5               | QPSK       | 2537.5          | 25            | 0      | 4.548                        | Pass    |
|                 |            | 2595            | 25            | 0      | 4.546                        | Pass    |
|                 |            | 2652.5          | 25            | 0      | 4.549                        | Pass    |
|                 | 16QAM      | 2537.5          | 25            | 0      | 4.535                        | Pass    |
|                 |            | 2595            | 25            | 0      | 4.572                        | Pass    |
|                 |            | 2652.5          | 25            | 0      | 4.542                        | Pass    |
| 10              | QPSK       | 2540            | 50            | 0      | 9.048                        | Pass    |
|                 |            | 2595            | 50            | 0      | 9.075                        | Pass    |
|                 |            | 2650            | 50            | 0      | 9.017                        | Pass    |
|                 | 16QAM      | 2540            | 50            | 0      | 9.050                        | Pass    |
|                 |            | 2595            | 50            | 0      | 9.049                        | Pass    |
|                 |            | 2650            | 50            | 0      | 9.022                        | Pass    |
| 15              | QPSK       | 2542.5          | 75            | 0      | 13.591                       | Pass    |
|                 |            | 2595            | 75            | 0      | 13.538                       | Pass    |
|                 |            | 2647.5          | 75            | 0      | 13.555                       | Pass    |
|                 | 16QAM      | 2542.5          | 75            | 0      | 13.514                       | Pass    |
|                 |            | 2595            | 75            | 0      | 13.591                       | Pass    |
|                 |            | 2647.5          | 75            | 0      | 13.541                       | Pass    |
| 20              | QPSK       | 2545            | 100           | 0      | 18.019                       | Pass    |
|                 |            | 2595            | 100           | 0      | 18.116                       | Pass    |
|                 |            | 2645            | 100           | 0      | 18.026                       | Pass    |
|                 | 16QAM      | 2545            | 100           | 0      | 17.981                       | Pass    |
|                 |            | 2595            | 100           | 0      | 18.110                       | Pass    |
|                 |            | 2645            | 100           | 0      | 18.067                       | Pass    |

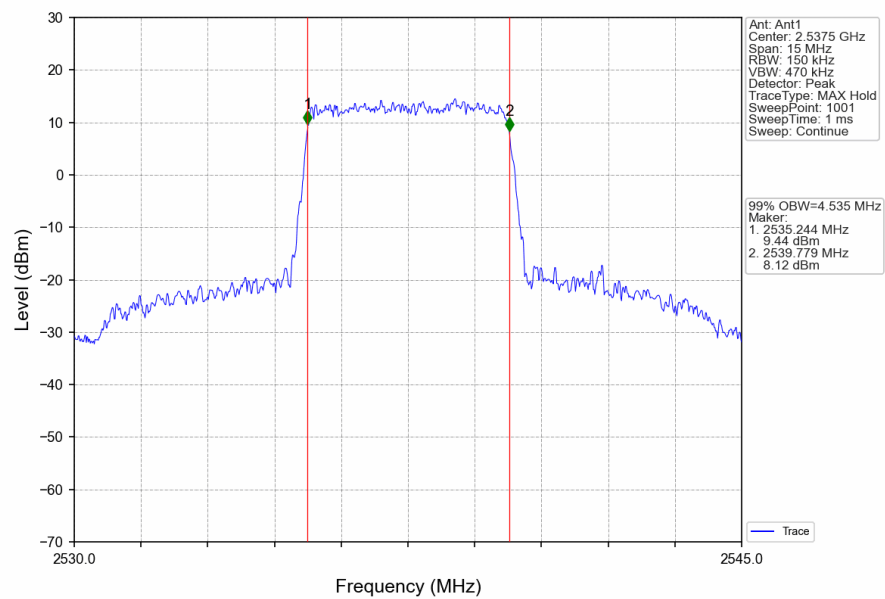
10.1.2 Test Graph



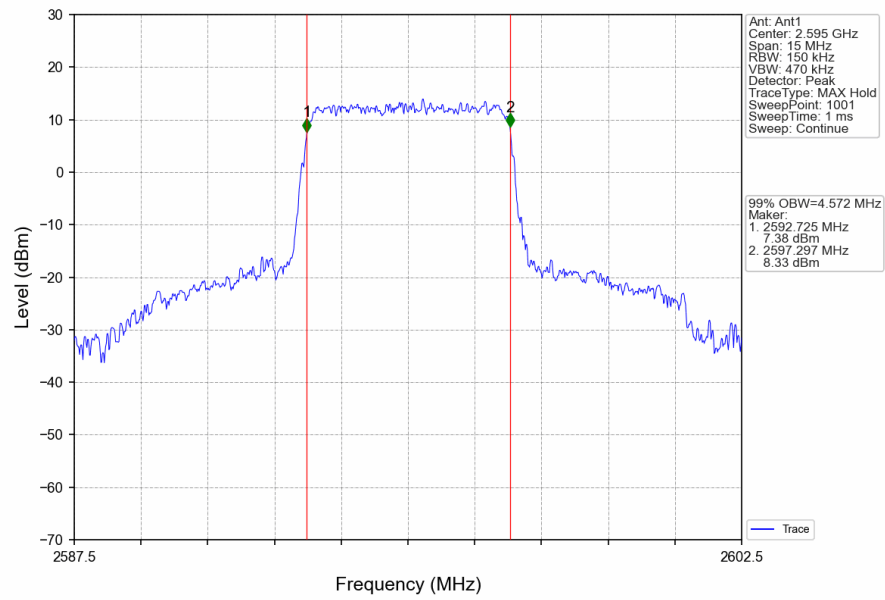
Band41\_5MHz\_QPSK\_HCH\_2652.5MHz\_RB\_25\_0\_NTNV



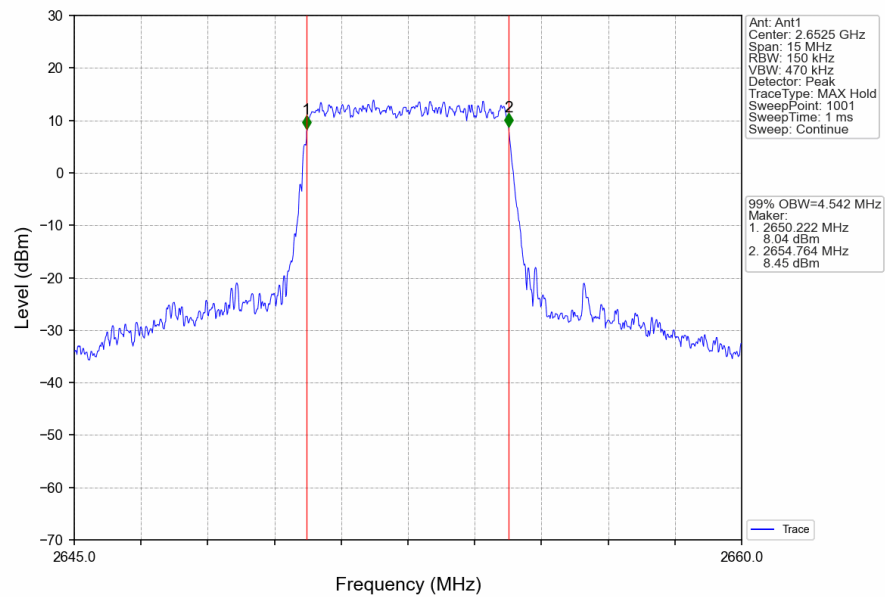
Band41\_5MHz\_16QAM\_LCH\_2537.5MHz\_RB\_25\_0\_NTNV



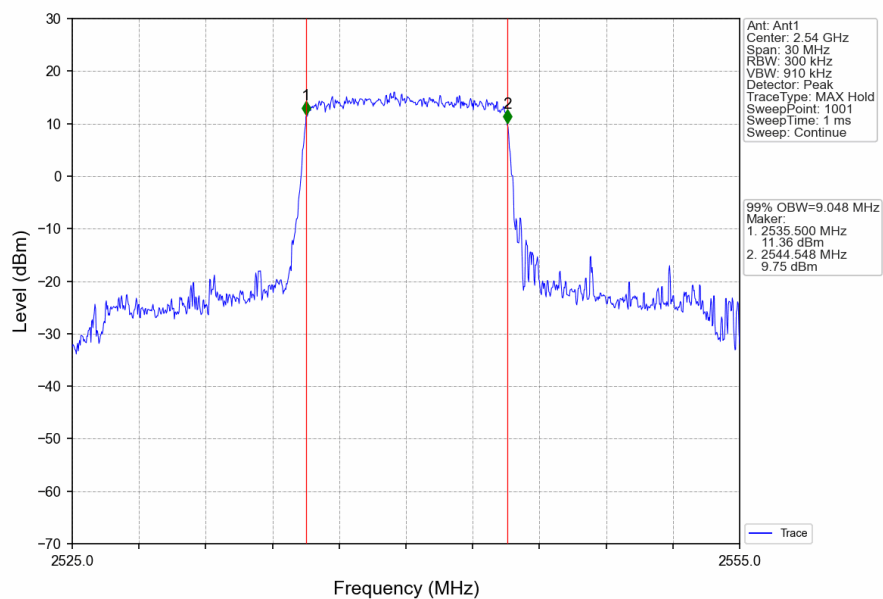
Band41\_5MHz\_16QAM\_MCH\_2595MHz\_RB\_25\_0\_NTNV



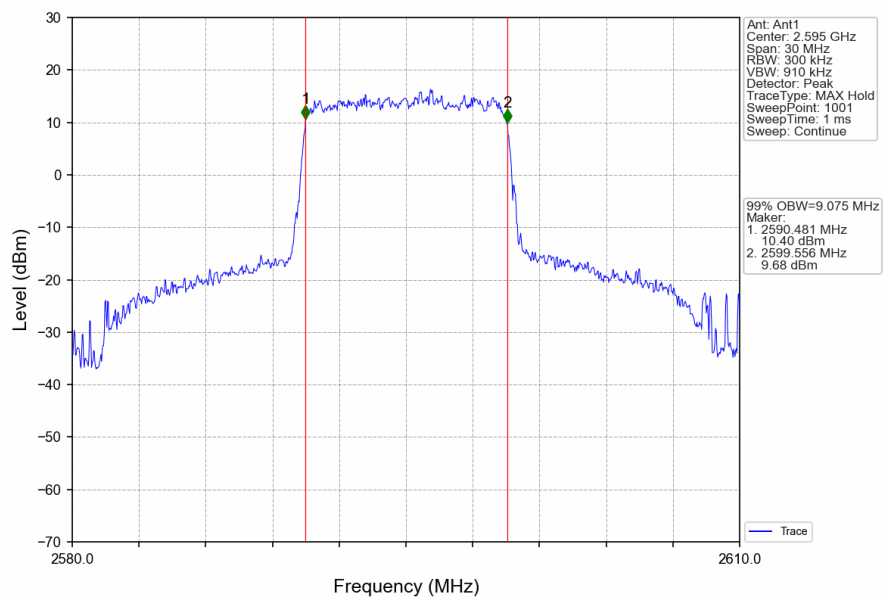
Band41\_5MHz\_16QAM\_HCH\_2652.5MHz\_RB\_25\_0\_NTNV



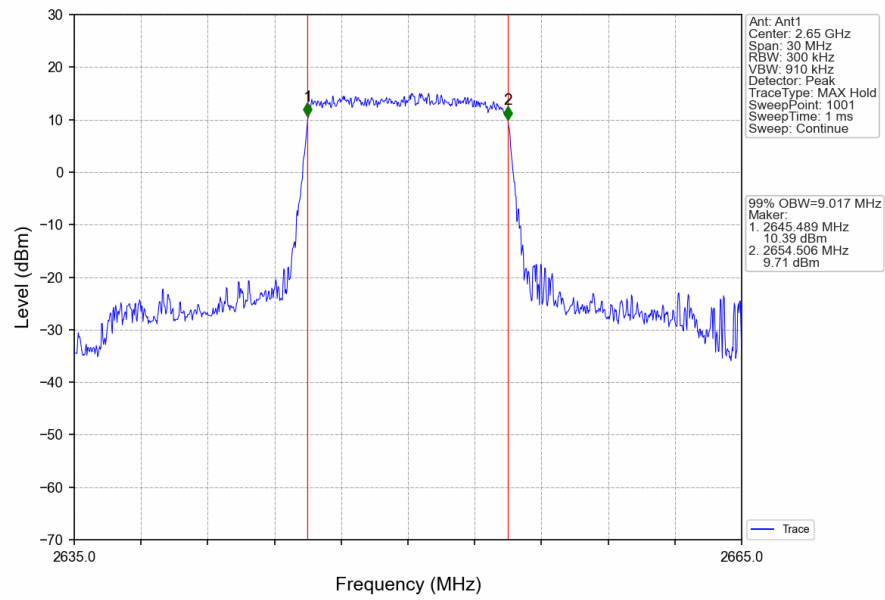
# Band41\_10MHz\_QPSK\_LCH\_2540MHz\_RB\_50\_0\_NTNV



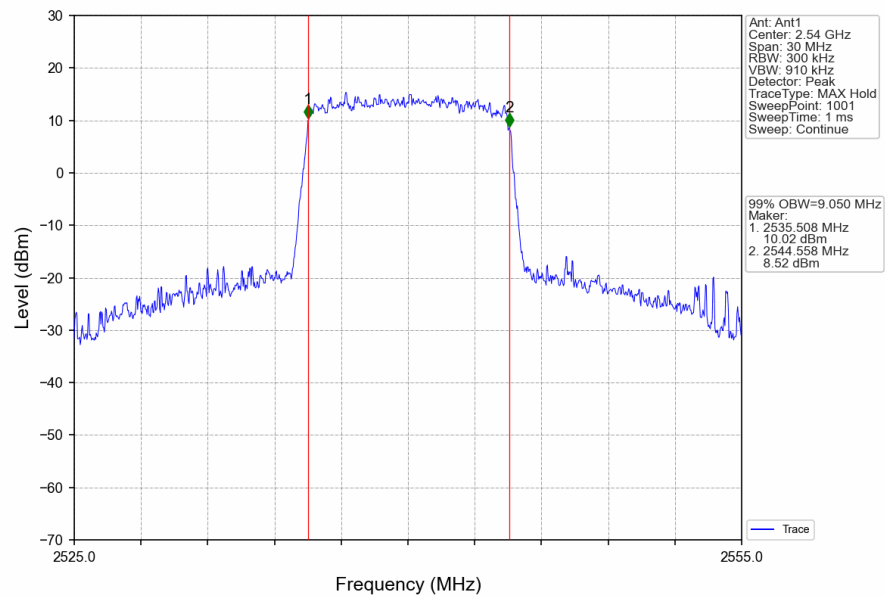
# Band41\_10MHz\_QPSK\_MCH\_2595MHz\_RB\_50\_0\_NTNV



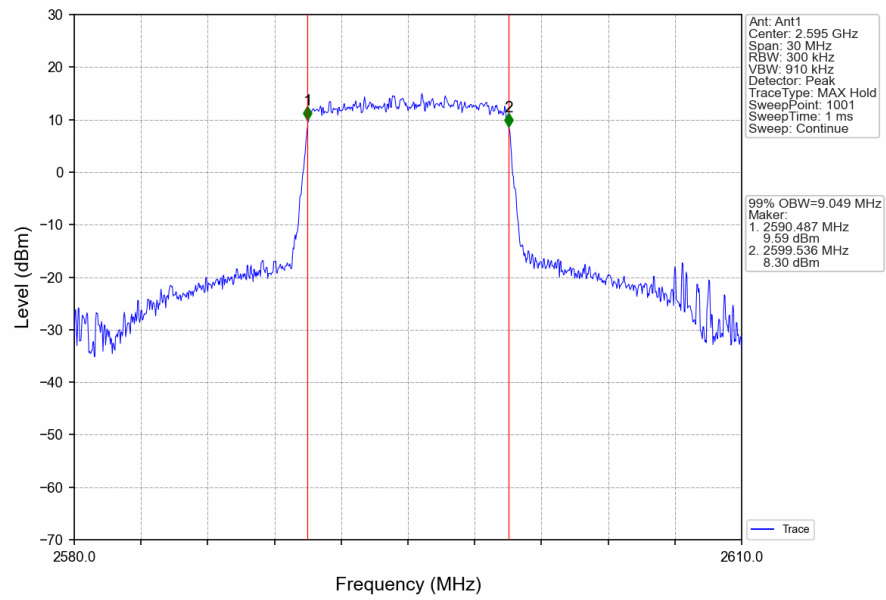
Band41\_10MHz\_QPSK\_HCH\_2650MHz\_RB\_50\_0\_NTNV



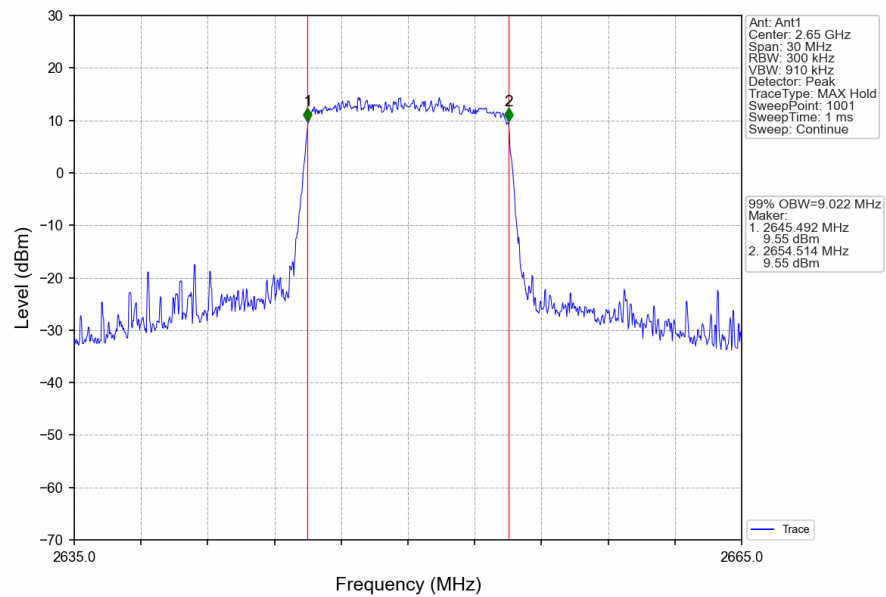
Band41\_10MHz\_16QAM\_LCH\_2540MHz\_RB\_50\_0\_NTNV



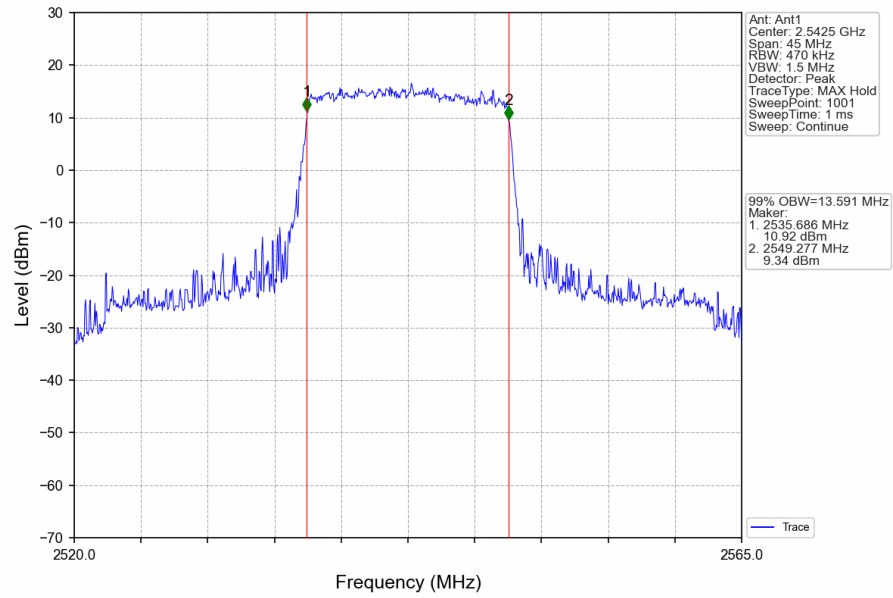
Band41\_10MHz\_16QAM\_MCH\_2595MHz\_RB\_50\_0\_NTNV



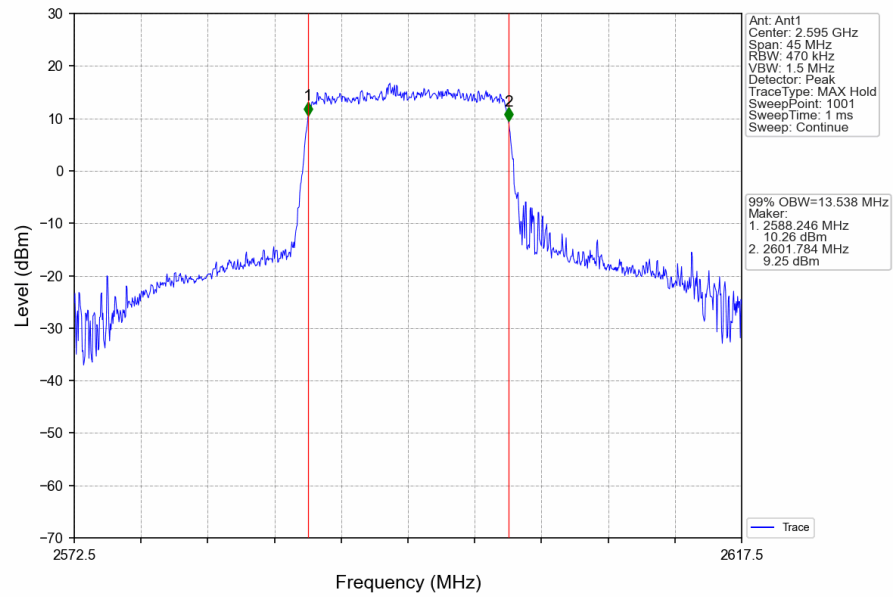
Band41\_10MHz\_16QAM\_HCH\_2650MHz\_RB\_50\_0\_NTNV



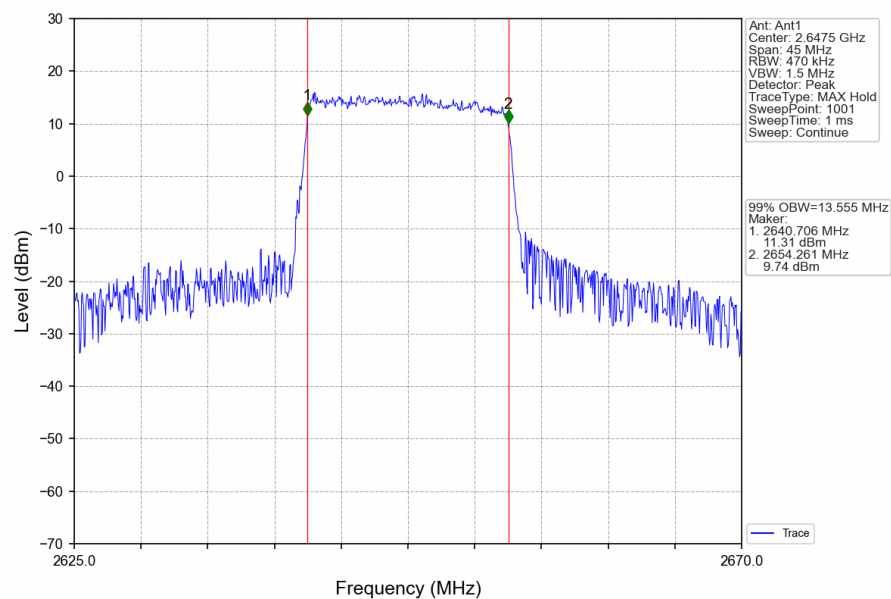
Band41\_15MHz\_QPSK\_LCH\_2542.5MHz\_RB\_75\_0\_NTNV



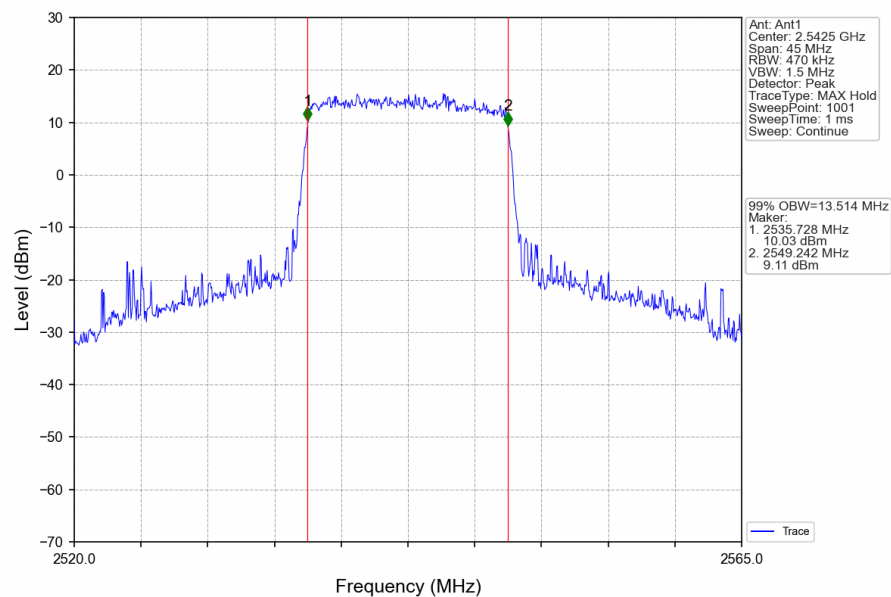
Band41\_15MHz\_QPSK\_MCH\_2595MHz\_RB\_75\_0\_NTNV



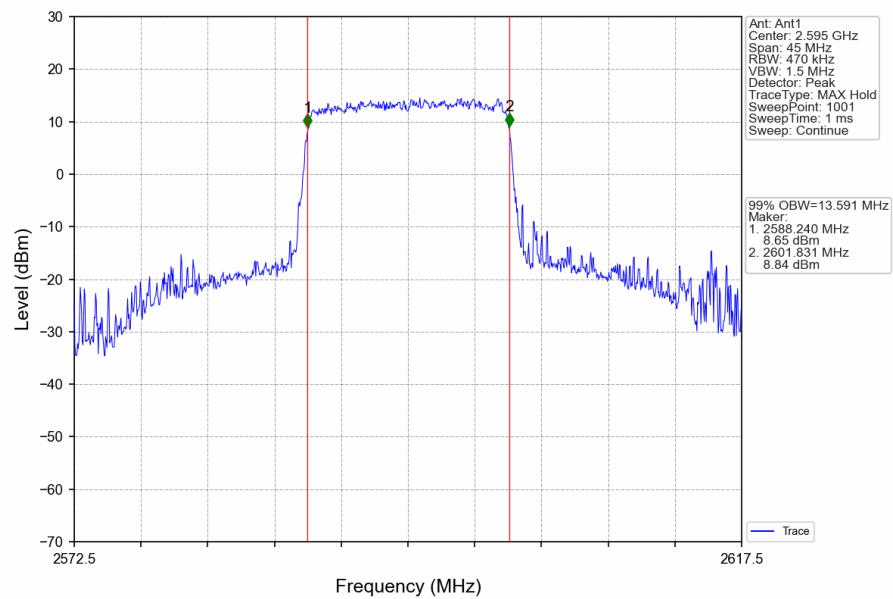
# Band41\_15MHz\_QPSK\_HCH\_2647.5MHz\_RB\_75\_0\_NTNV



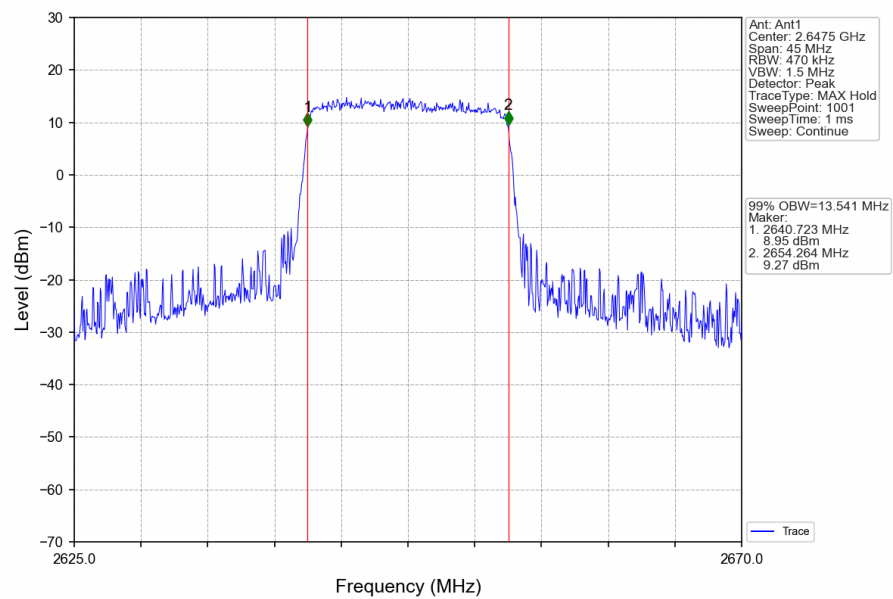
# Band41\_15MHz\_16QAM\_LCH\_2542.5MHz\_RB\_75\_0\_NTNV



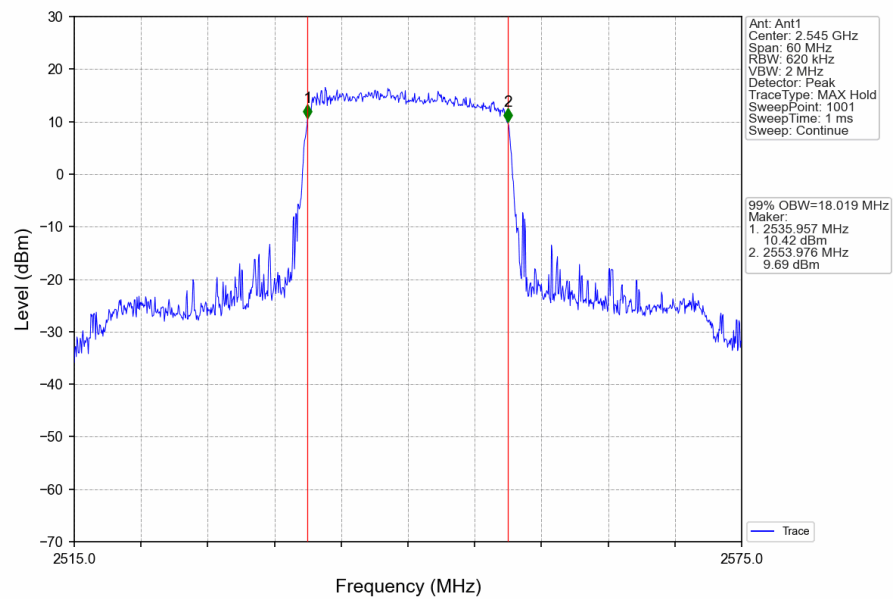
# Band41\_15MHz\_16QAM\_MCH\_2595MHz\_RB\_75\_0\_NTNV



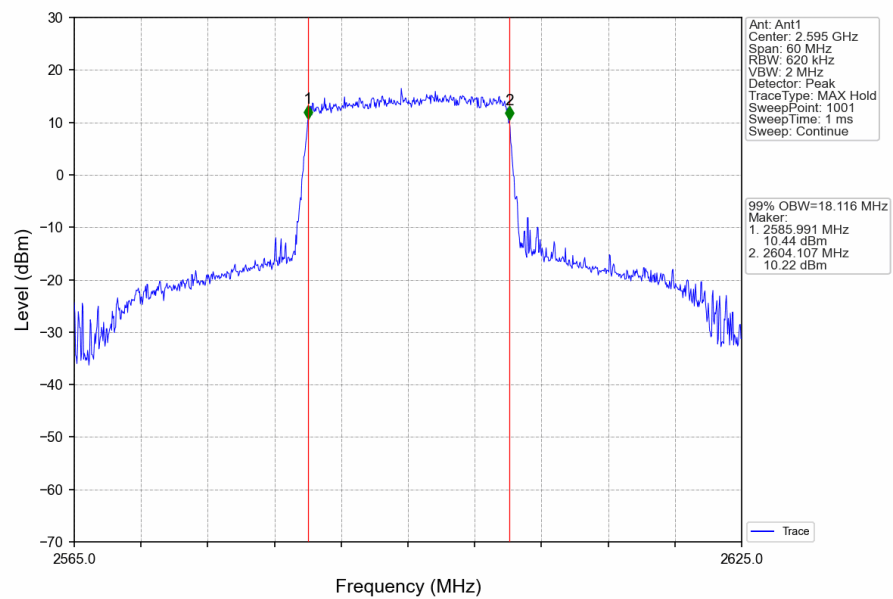
# Band41\_15MHz\_16QAM\_HCH\_2647.5MHz\_RB\_75\_0\_NTNV



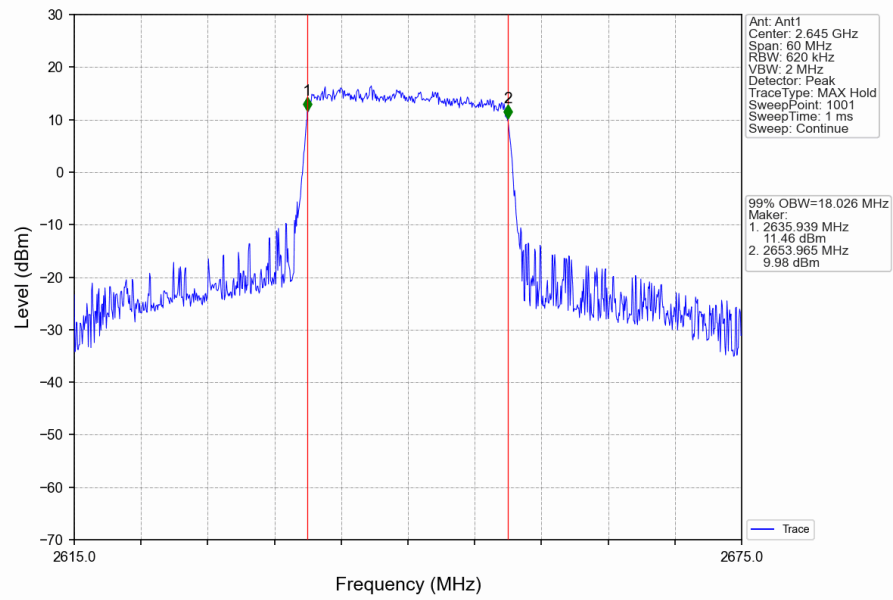
Band41\_20MHz\_QPSK\_LCH\_2545MHz\_RB\_100\_0\_NTNV



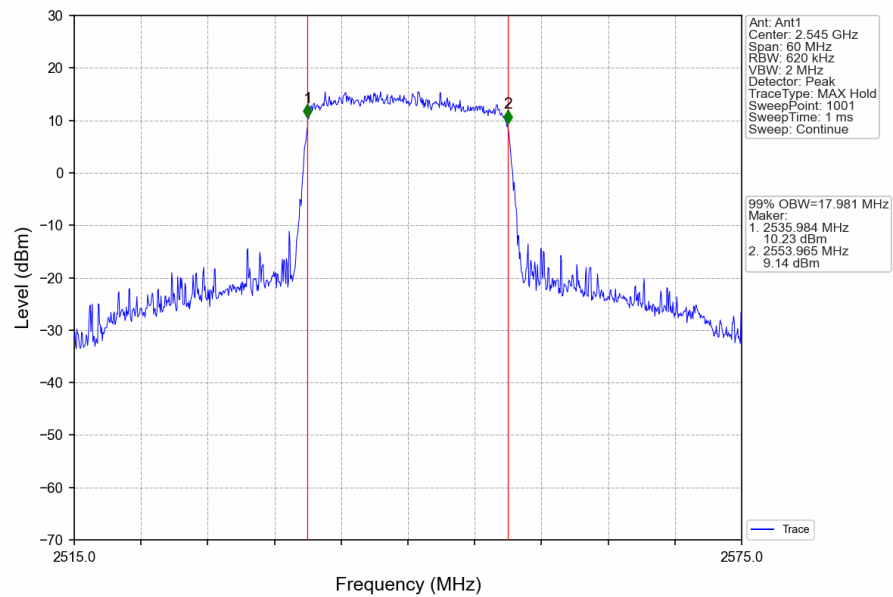
Band41\_20MHz\_QPSK\_MCH\_2595MHz\_RB\_100\_0\_NTNV



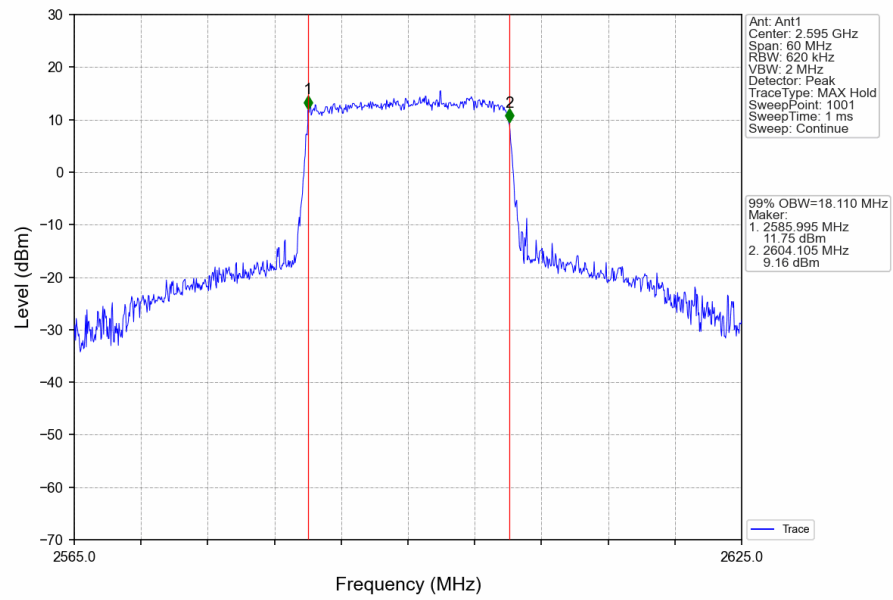
Band41\_20MHz\_QPSK\_HCH\_2645MHz\_RB\_100\_0\_NTNV



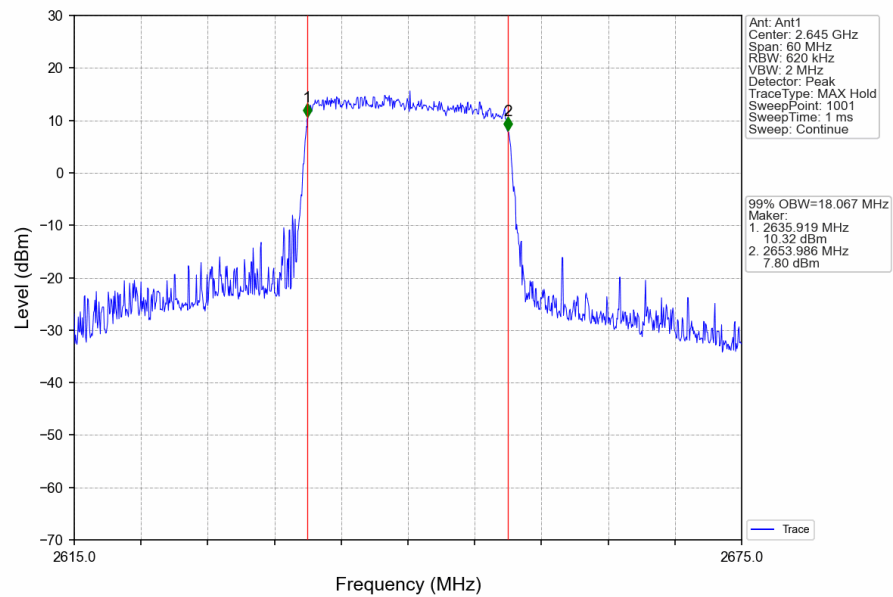
Band41\_20MHz\_16QAM\_LCH\_2545MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_16QAM\_MCH\_2595MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_16QAM\_HCH\_2645MHz\_RB\_100\_0\_NTNV

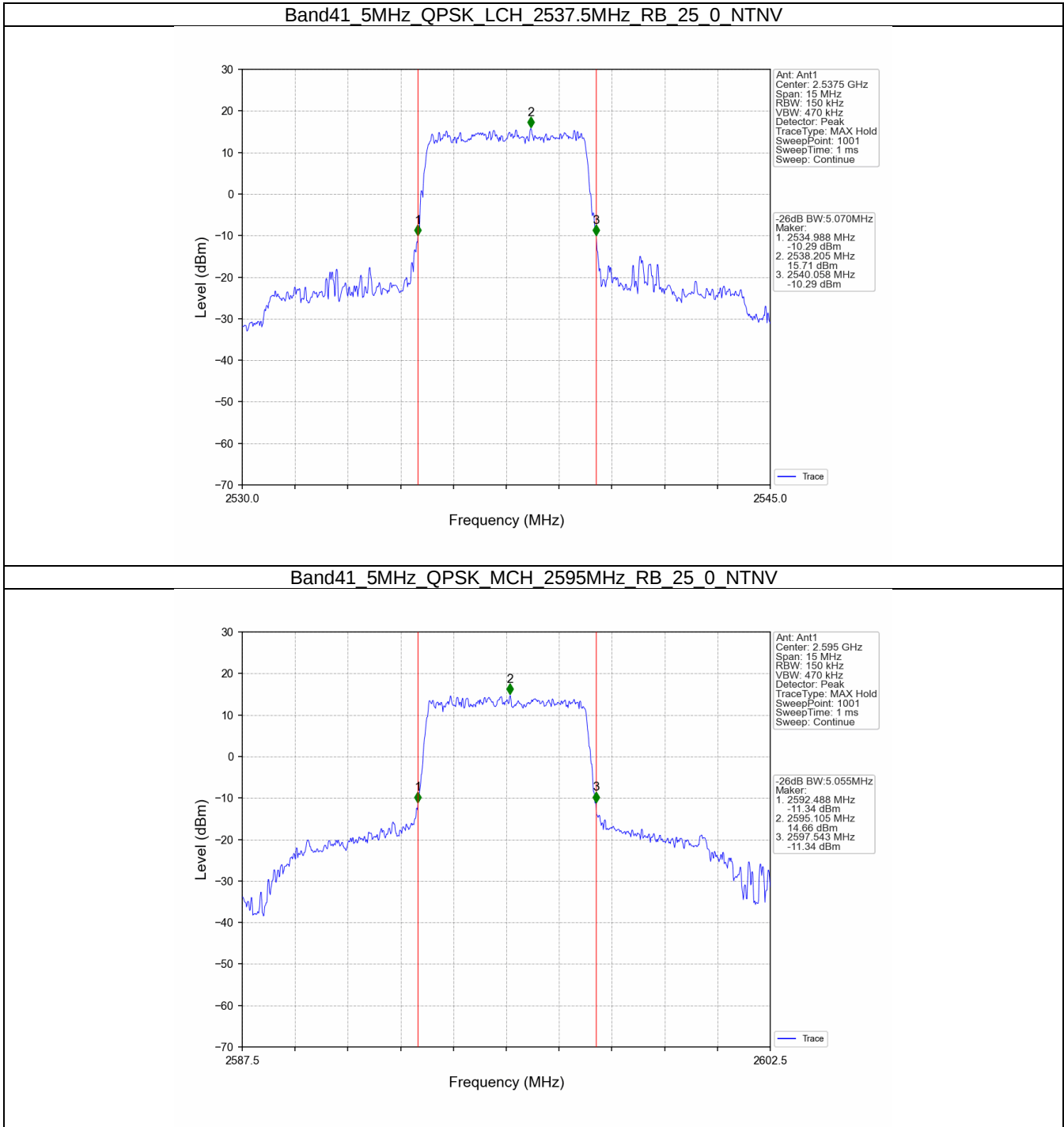


## 10.2 Band41\_XDB

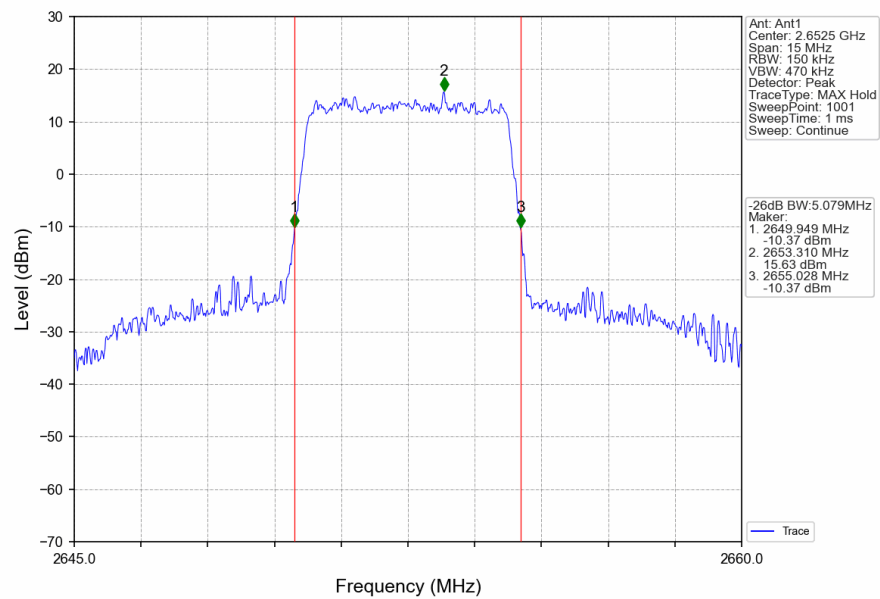
### 10.2.1 Test Result

| Band: 41 / NTNV |            |                 |               |        |                      |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) | Verdict |
|                 |            |                 | Size          | Offset | Result               |         |
| 5               | QPSK       | 2537.5          | 25            | 0      | 5.070                | Pass    |
|                 |            | 2595            | 25            | 0      | 5.055                | Pass    |
|                 |            | 2652.5          | 25            | 0      | 5.079                | Pass    |
|                 | 16QAM      | 2537.5          | 25            | 0      | 5.040                | Pass    |
|                 |            | 2595            | 25            | 0      | 5.116                | Pass    |
|                 |            | 2652.5          | 25            | 0      | 5.095                | Pass    |
| 10              | QPSK       | 2540            | 50            | 0      | 10.156               | Pass    |
|                 |            | 2595            | 50            | 0      | 10.030               | Pass    |
|                 |            | 2650            | 50            | 0      | 10.105               | Pass    |
|                 | 16QAM      | 2540            | 50            | 0      | 9.965                | Pass    |
|                 |            | 2595            | 50            | 0      | 9.947                | Pass    |
|                 |            | 2650            | 50            | 0      | 9.913                | Pass    |
| 15              | QPSK       | 2542.5          | 75            | 0      | 15.405               | Pass    |
|                 |            | 2595            | 75            | 0      | 16.557               | Pass    |
|                 |            | 2647.5          | 75            | 0      | 15.037               | Pass    |
|                 | 16QAM      | 2542.5          | 75            | 0      | 15.166               | Pass    |
|                 |            | 2595            | 75            | 0      | 16.863               | Pass    |
|                 |            | 2647.5          | 75            | 0      | 15.555               | Pass    |
| 20              | QPSK       | 2545            | 100           | 0      | 20.859               | Pass    |
|                 |            | 2595            | 100           | 0      | 20.793               | Pass    |
|                 |            | 2645            | 100           | 0      | 19.999               | Pass    |
|                 | 16QAM      | 2545            | 100           | 0      | 19.684               | Pass    |
|                 |            | 2595            | 100           | 0      | 20.560               | Pass    |
|                 |            | 2645            | 100           | 0      | 20.213               | Pass    |

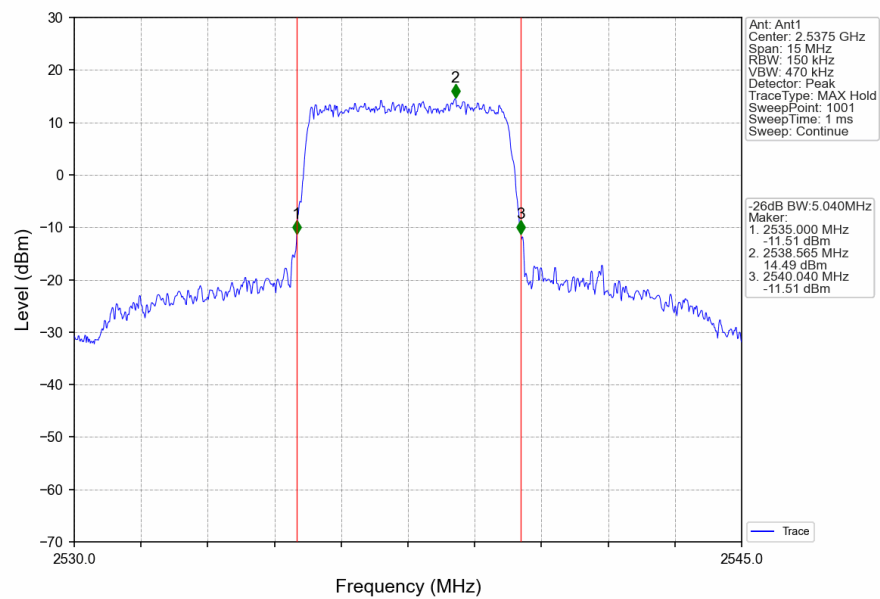
10.2.2 Test Graph



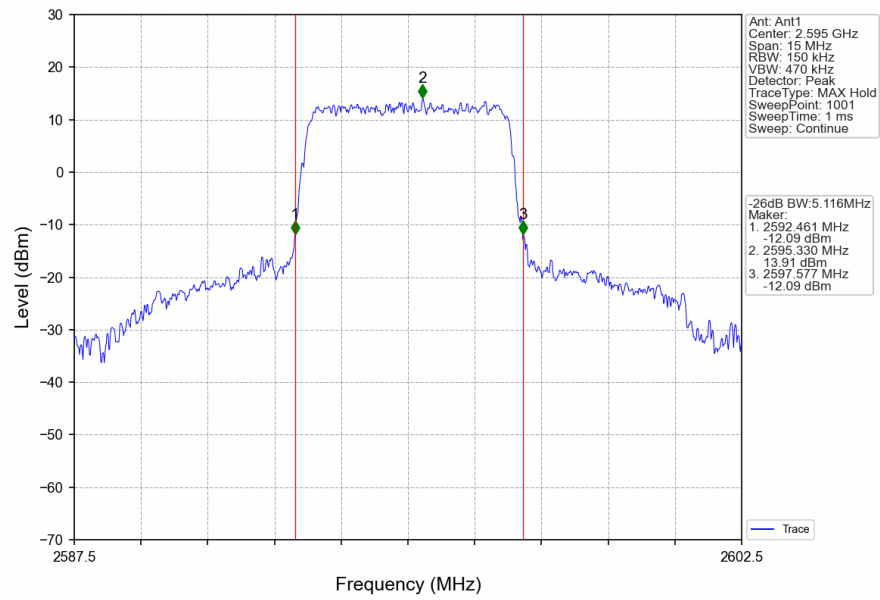
Band41\_5MHz\_QPSK\_HCH\_2652.5MHz\_RB\_25\_0\_NTNV



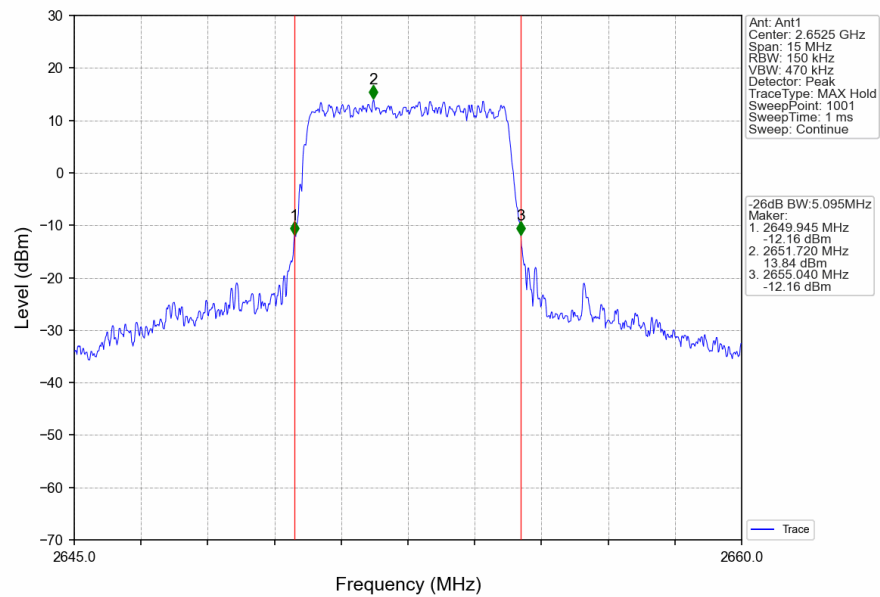
Band41\_5MHz\_16QAM\_LCH\_2537.5MHz\_RB\_25\_0\_NTNV



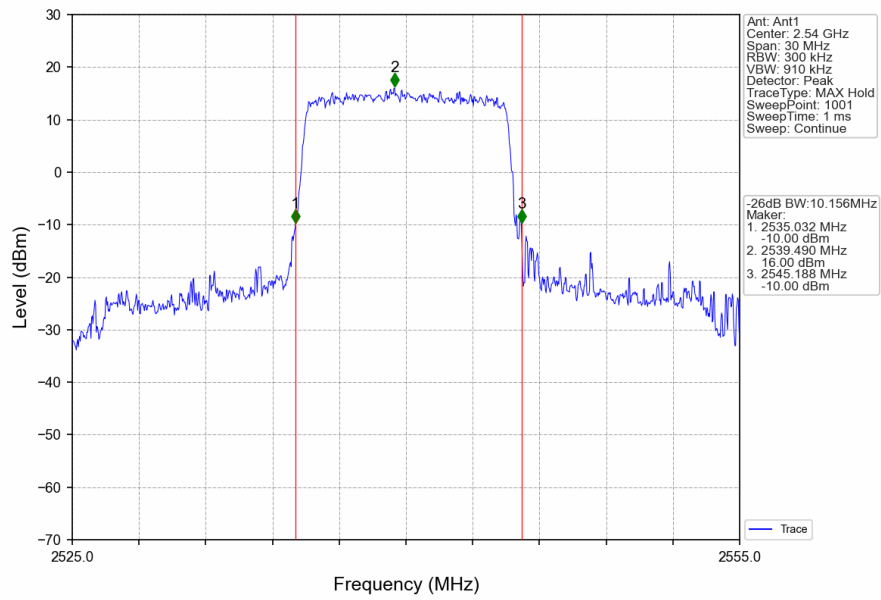
Band41\_5MHz\_16QAM\_MCH\_2595MHz\_RB\_25\_0\_NTNV



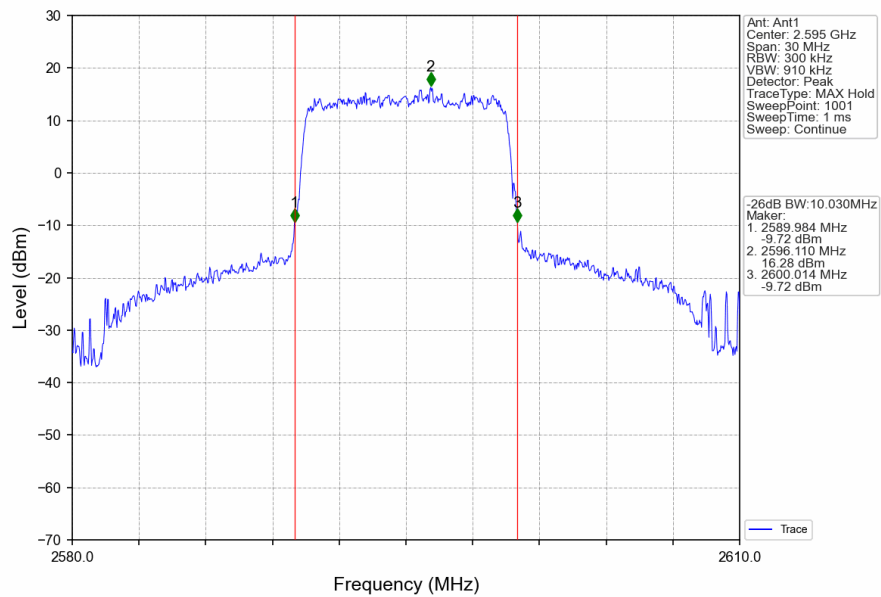
Band41\_5MHz\_16QAM\_HCH\_2652.5MHz\_RB\_25\_0\_NTNV



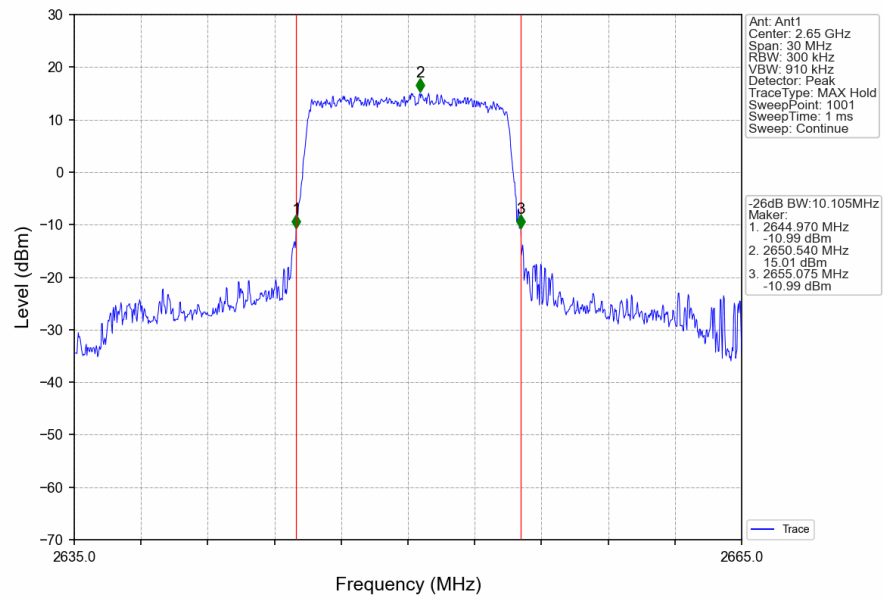
# Band41\_10MHz\_QPSK\_LCH\_2540MHz\_RB\_50\_0\_NTNV



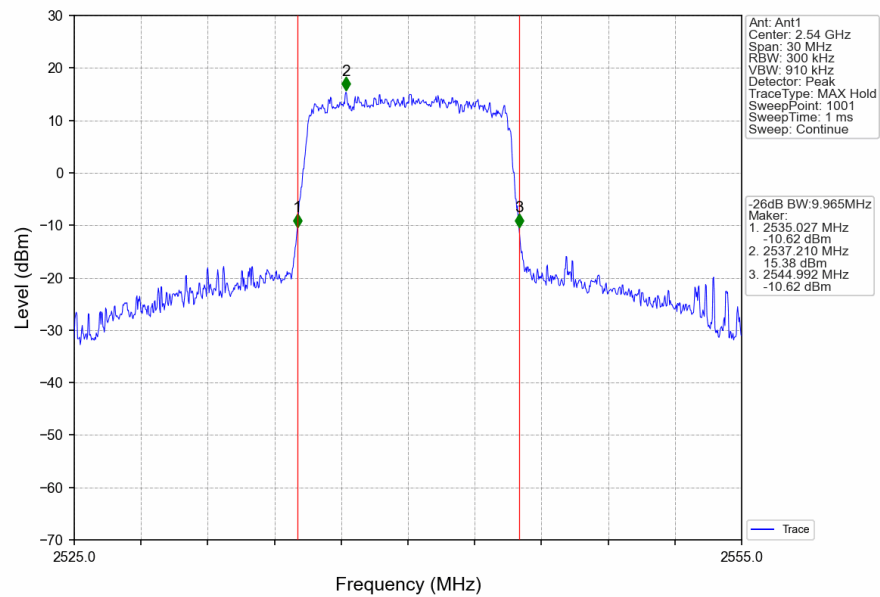
# Band41\_10MHz\_QPSK\_MCH\_2595MHz\_RB\_50\_0\_NTNV



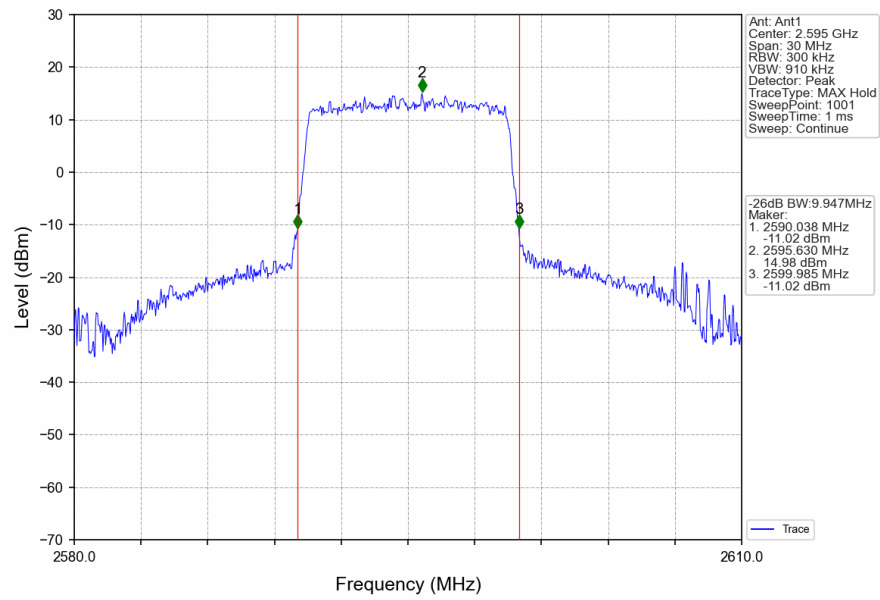
Band41\_10MHz\_QPSK\_HCH\_2650MHz\_RB\_50\_0\_NTNV



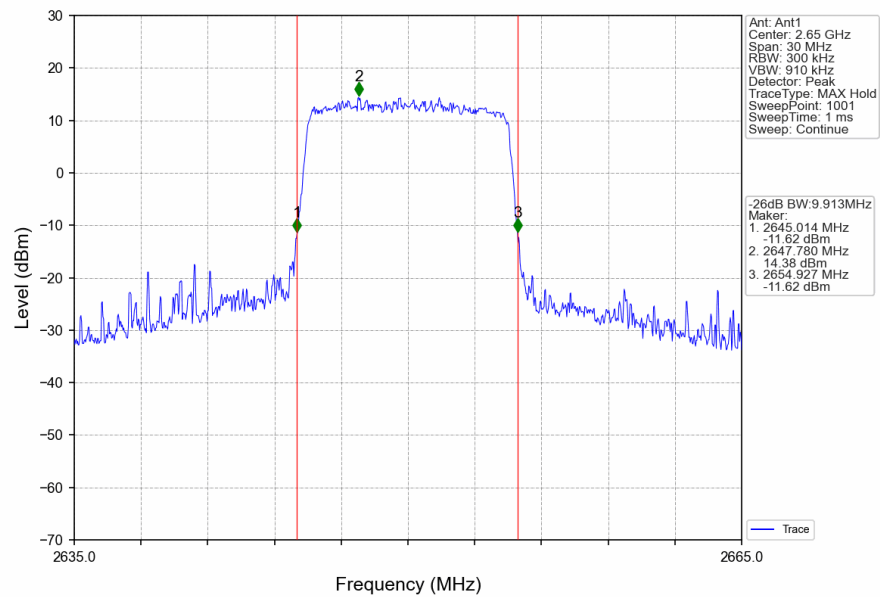
Band41\_10MHz\_16QAM\_LCH\_2540MHz\_RB\_50\_0\_NTNV



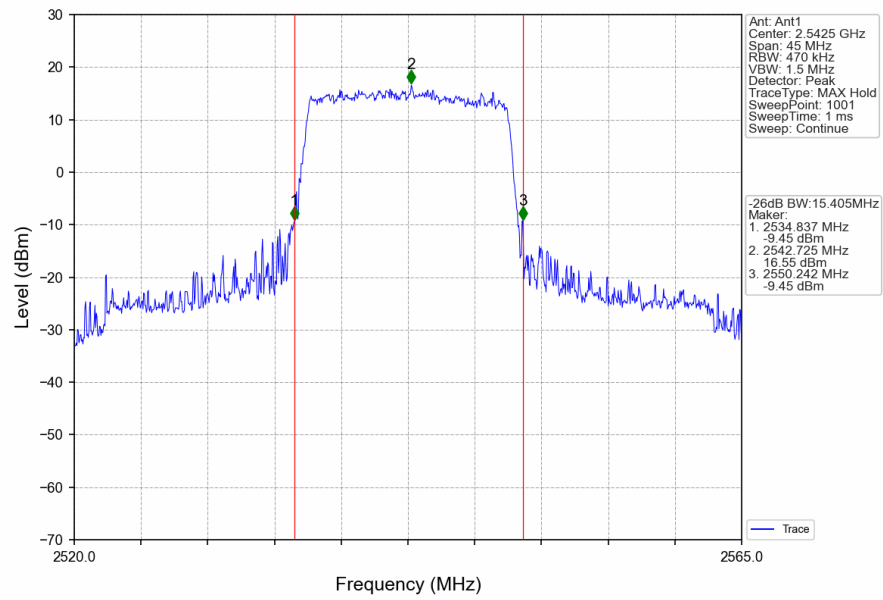
Band41\_10MHz\_16QAM\_MCH\_2595MHz\_RB\_50\_0\_NTNV



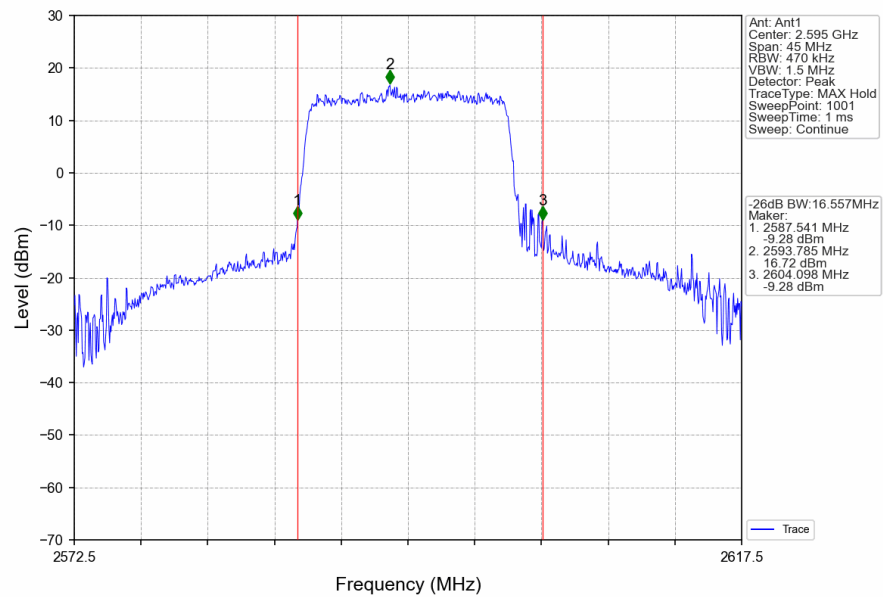
Band41\_10MHz\_16QAM\_HCH\_2650MHz\_RB\_50\_0\_NTNV



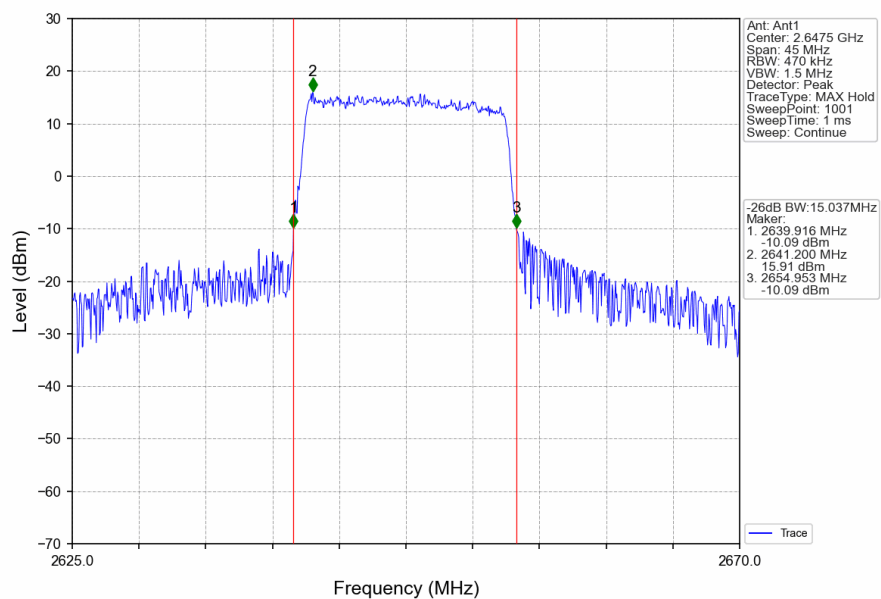
Band41\_15MHz\_QPSK\_LCH\_2542.5MHz\_RB\_75\_0\_NTNV



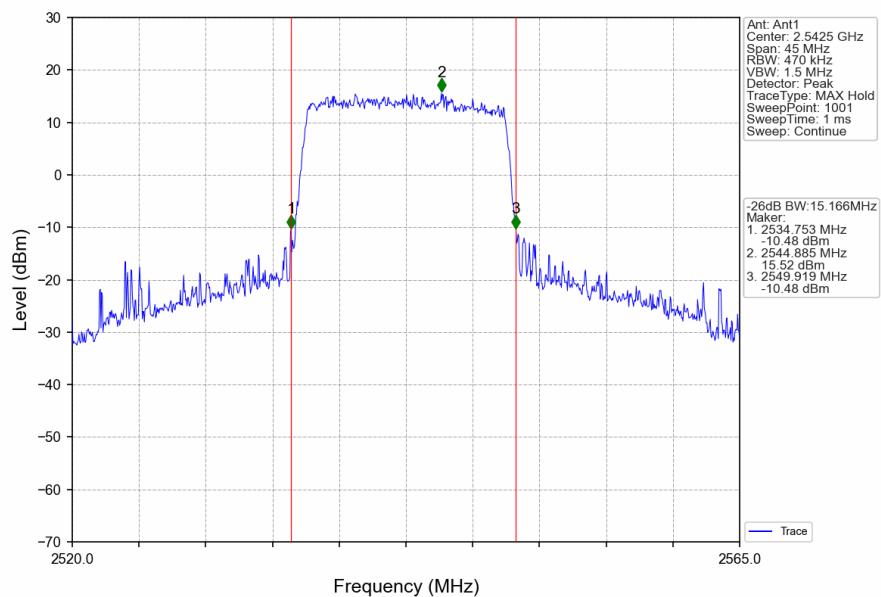
Band41\_15MHz\_QPSK\_MCH\_2595MHz\_RB\_75\_0\_NTNV



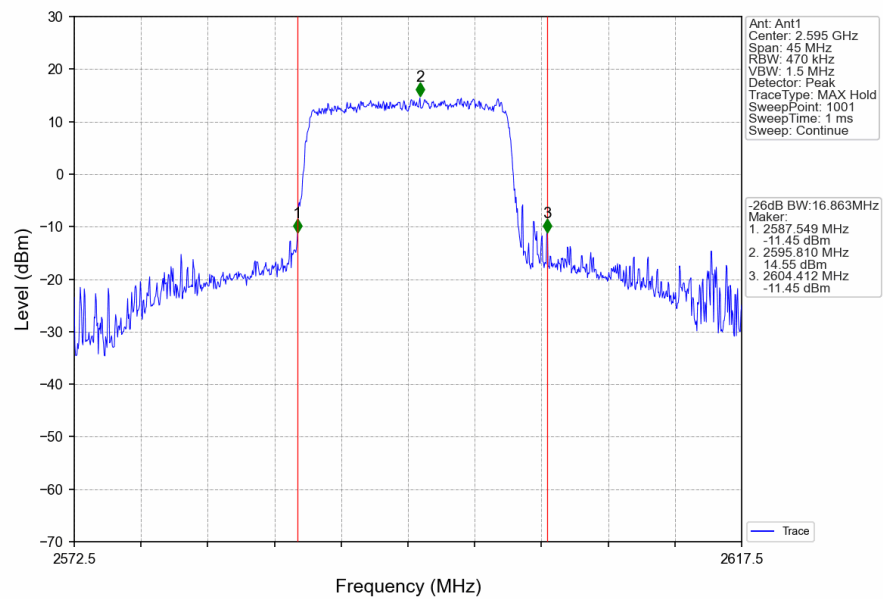
# Band41\_15MHz\_QPSK\_HCH\_2647.5MHz\_RB\_75\_0\_NTNV



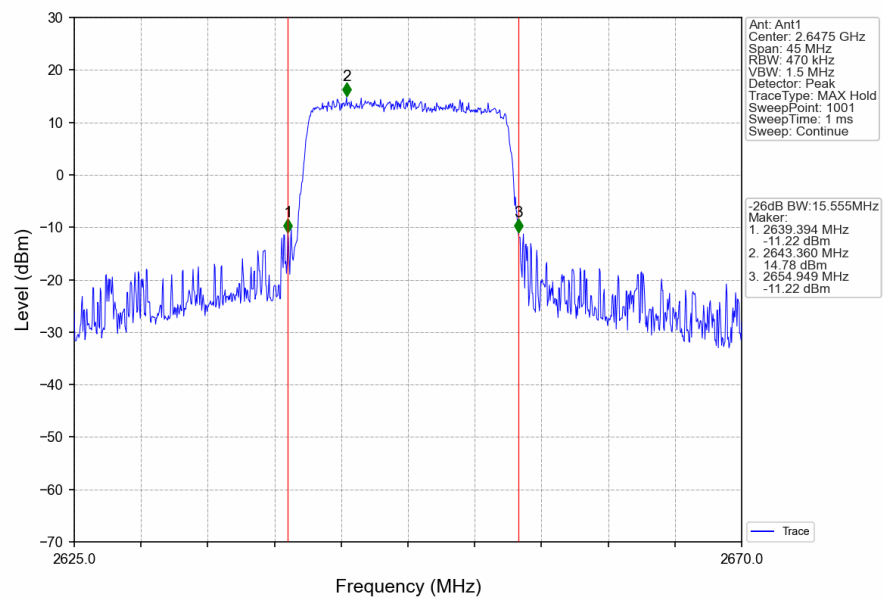
# Band41\_15MHz\_16QAM\_LCH\_2542.5MHz\_RB\_75\_0\_NTNV



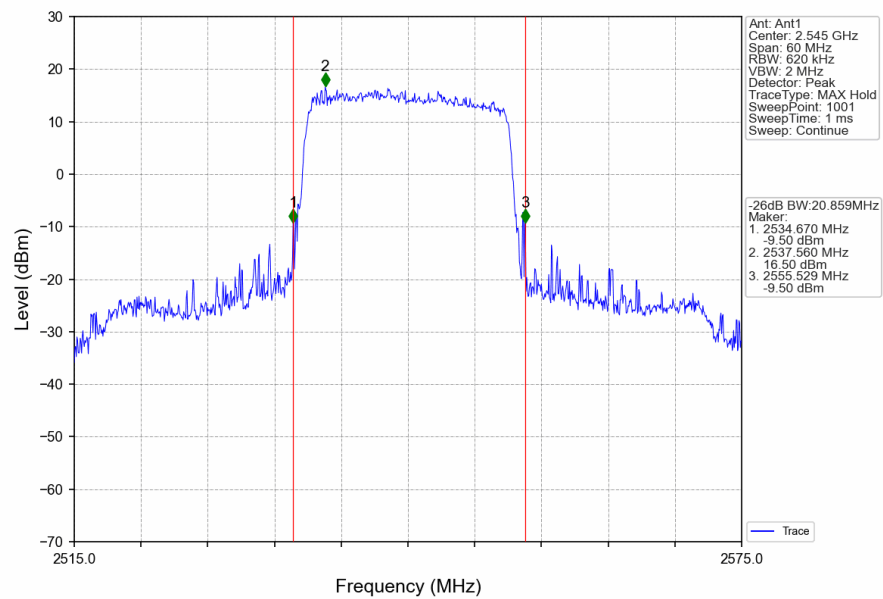
# Band41\_15MHz\_16QAM\_MCH\_2595MHz\_RB\_75\_0\_NTNV



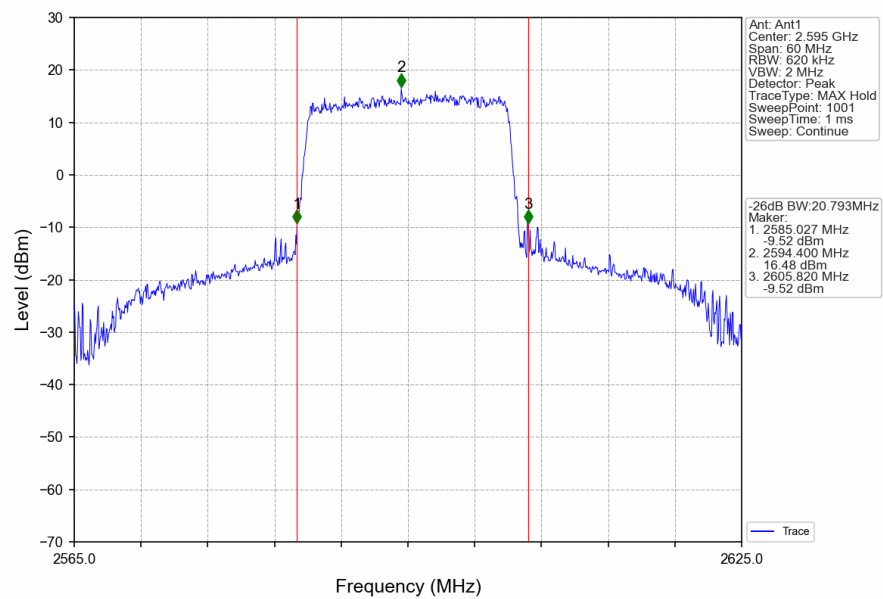
# Band41\_15MHz\_16QAM\_HCH\_2647.5MHz\_RB\_75\_0\_NTNV



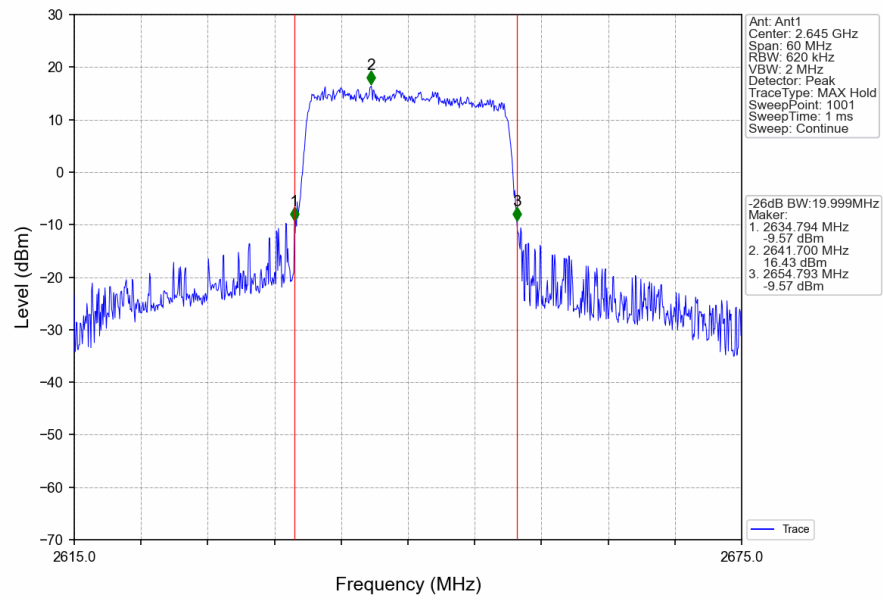
Band41\_20MHz\_QPSK\_LCH\_2545MHz\_RB\_100\_0\_NTNV



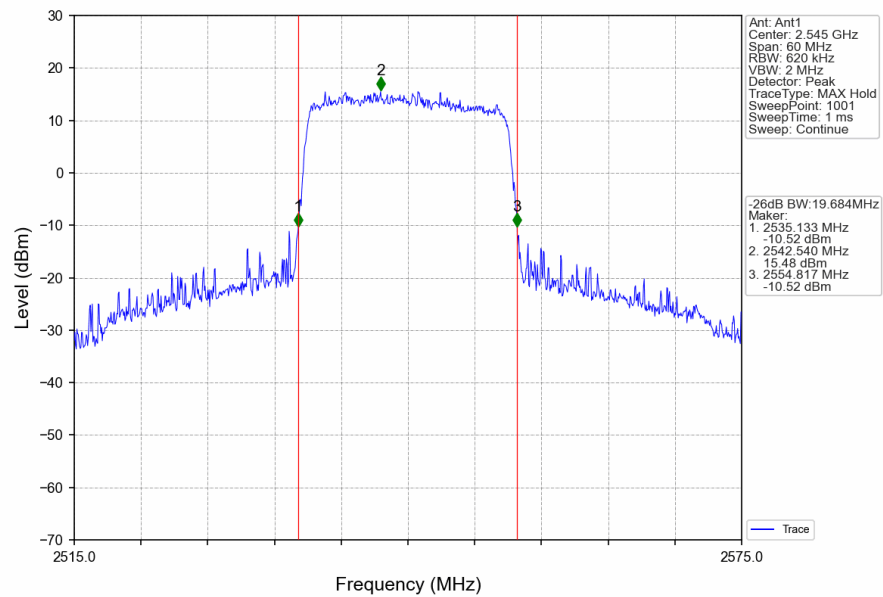
Band41\_20MHz\_QPSK\_MCH\_2595MHz\_RB\_100\_0\_NTNV



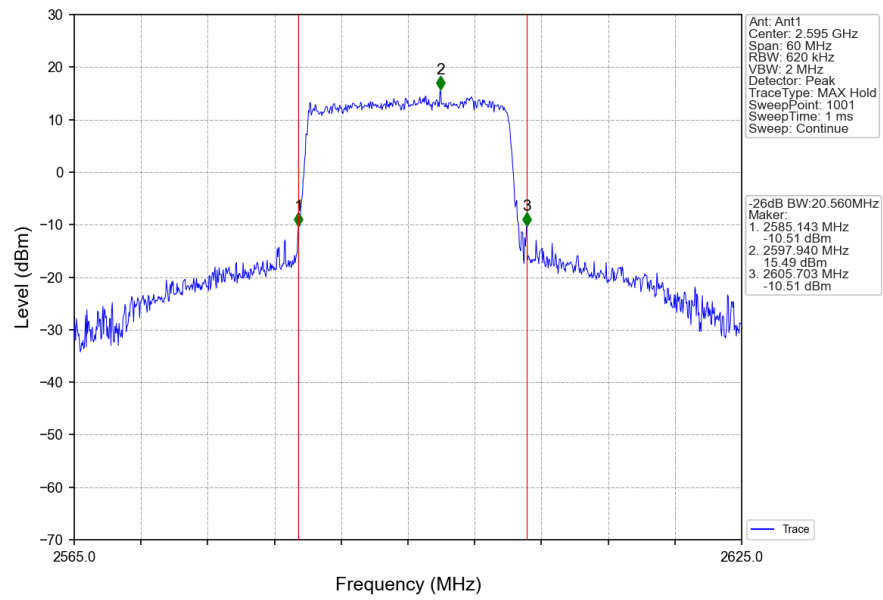
Band41\_20MHz\_QPSK\_HCH\_2645MHz\_RB\_100\_0\_NTNV



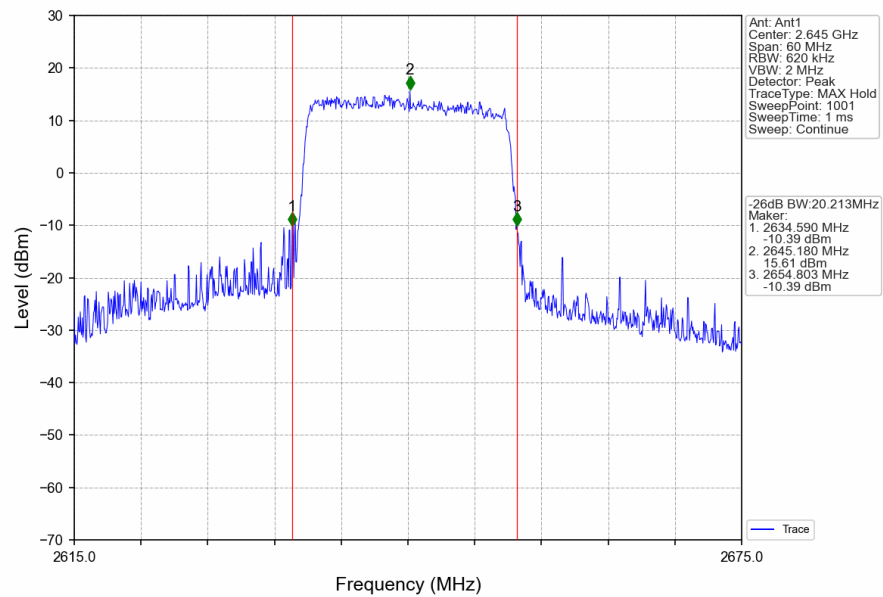
Band41\_20MHz\_16QAM\_LCH\_2545MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_16QAM\_MCH\_2595MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_16QAM\_HCH\_2645MHz\_RB\_100\_0\_NTNV



## 11. 99% & 26dB Bandwidth

### 11.1 Band5\_OBW

#### 11.1.1 Test Result

| Band: 5 / NTN   |            |                 |               |        |                              |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) | Verdict |
|                 |            |                 | Size          | Offset | Result                       |         |
| 1.4             | QPSK       | 824.7           | 6             | 0      | 1.113                        | Pass    |
|                 |            | 836.5           | 6             | 0      | 1.111                        | Pass    |
|                 |            | 848.3           | 6             | 0      | 1.119                        | Pass    |
|                 | 16QAM      | 824.7           | 6             | 0      | 1.113                        | Pass    |
|                 |            | 836.5           | 6             | 0      | 1.121                        | Pass    |
|                 |            | 848.3           | 6             | 0      | 1.126                        | Pass    |
| 3               | QPSK       | 825.5           | 15            | 0      | 2.739                        | Pass    |
|                 |            | 836.5           | 15            | 0      | 2.738                        | Pass    |
|                 |            | 847.5           | 15            | 0      | 2.745                        | Pass    |
|                 | 16QAM      | 825.5           | 15            | 0      | 2.737                        | Pass    |
|                 |            | 836.5           | 15            | 0      | 2.732                        | Pass    |
|                 |            | 847.5           | 15            | 0      | 2.733                        | Pass    |
| 5               | QPSK       | 826.5           | 25            | 0      | 4.556                        | Pass    |
|                 |            | 836.5           | 25            | 0      | 4.546                        | Pass    |
|                 |            | 846.5           | 25            | 0      | 4.554                        | Pass    |
|                 | 16QAM      | 826.5           | 25            | 0      | 4.542                        | Pass    |
|                 |            | 836.5           | 25            | 0      | 4.569                        | Pass    |
|                 |            | 846.5           | 25            | 0      | 4.550                        | Pass    |
| 10              | QPSK       | 829             | 50            | 0      | 9.025                        | Pass    |
|                 |            | 836.5           | 50            | 0      | 9.056                        | Pass    |
|                 |            | 844             | 50            | 0      | 9.035                        | Pass    |
|                 | 16QAM      | 829             | 50            | 0      | 9.059                        | Pass    |
|                 |            | 836.5           | 50            | 0      | 9.025                        | Pass    |
|                 |            | 844             | 50            | 0      | 9.053                        | Pass    |