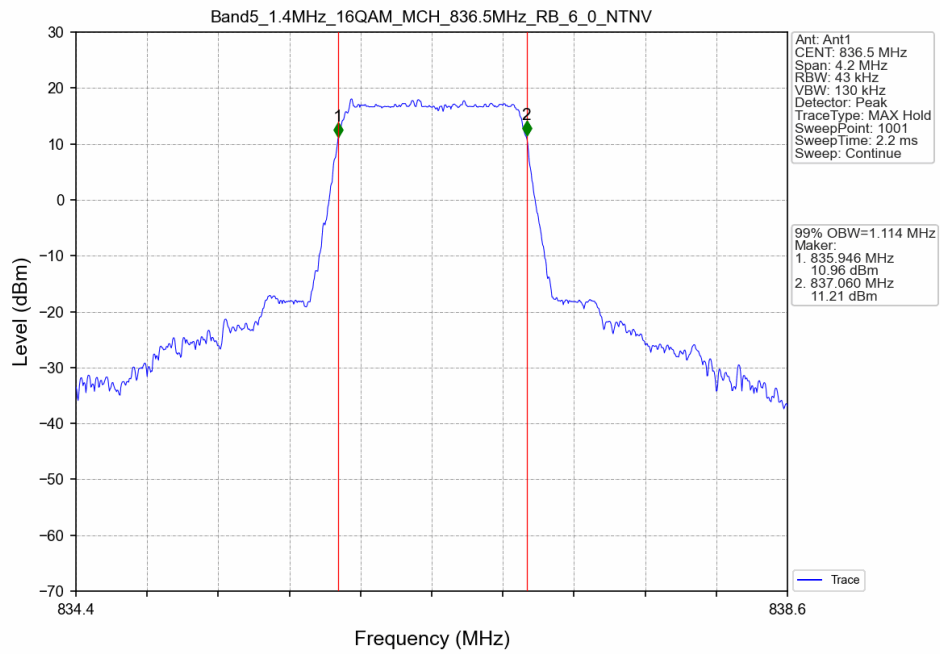
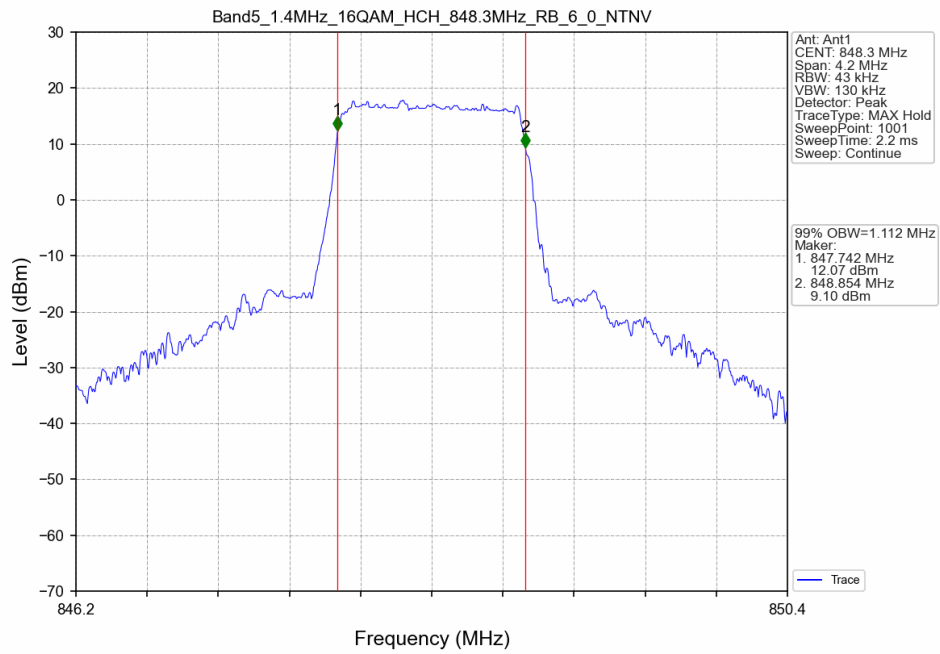


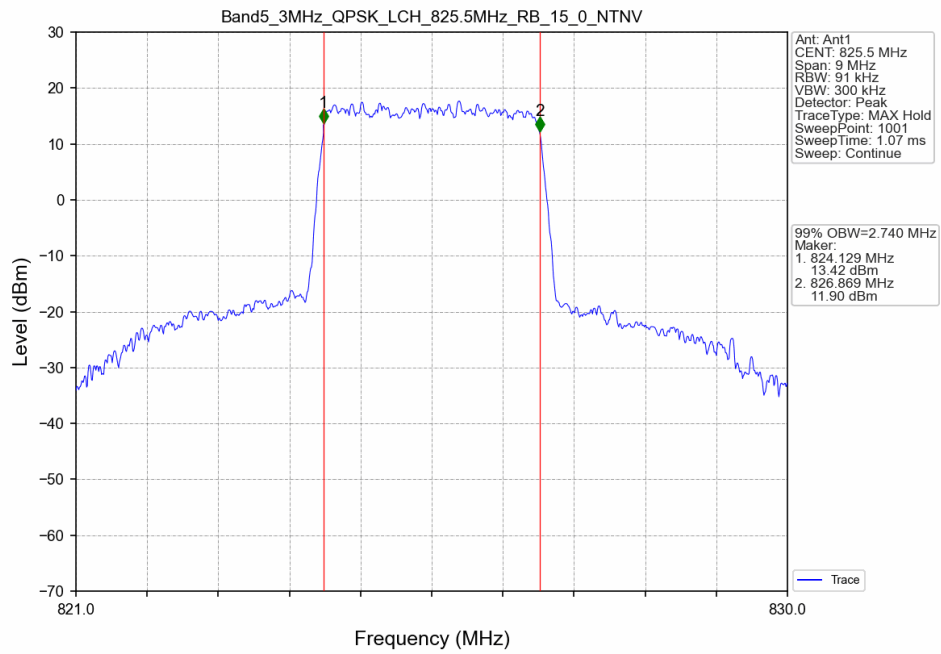
Band5\_1.4MHz\_16QAM\_MCH\_836.5MHz\_RB\_6\_0\_NTNV



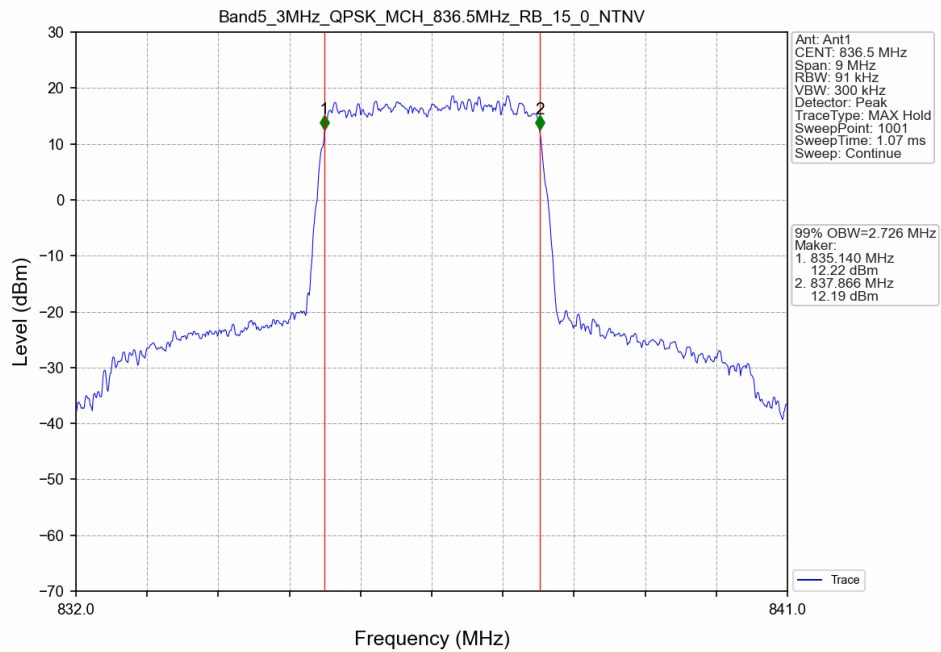
Band5\_1.4MHz\_16QAM\_HCH\_848.3MHz\_RB\_6\_0\_NTNV



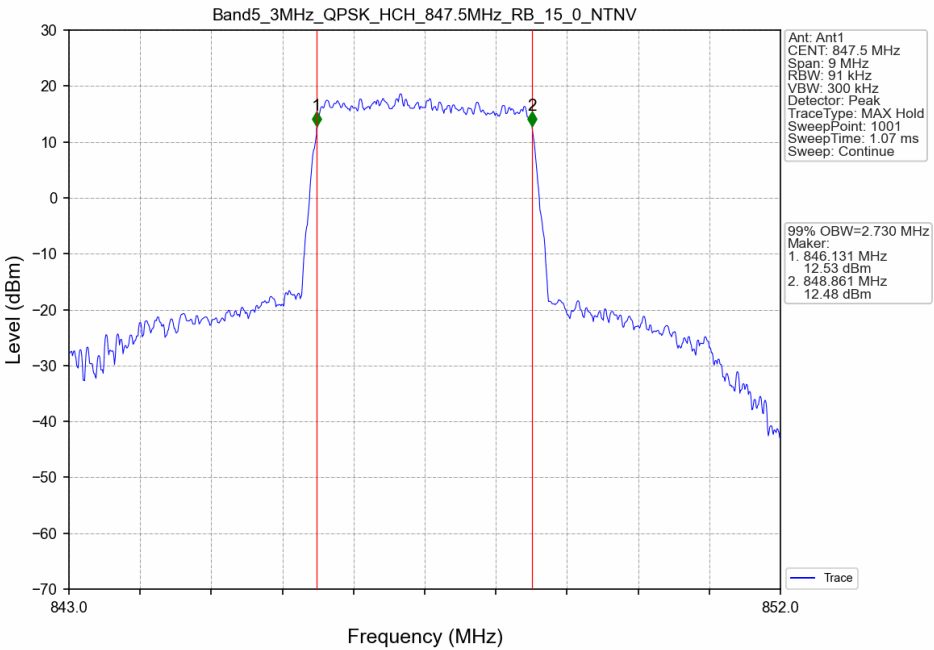
### Band5\_3MHz\_QPSK\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



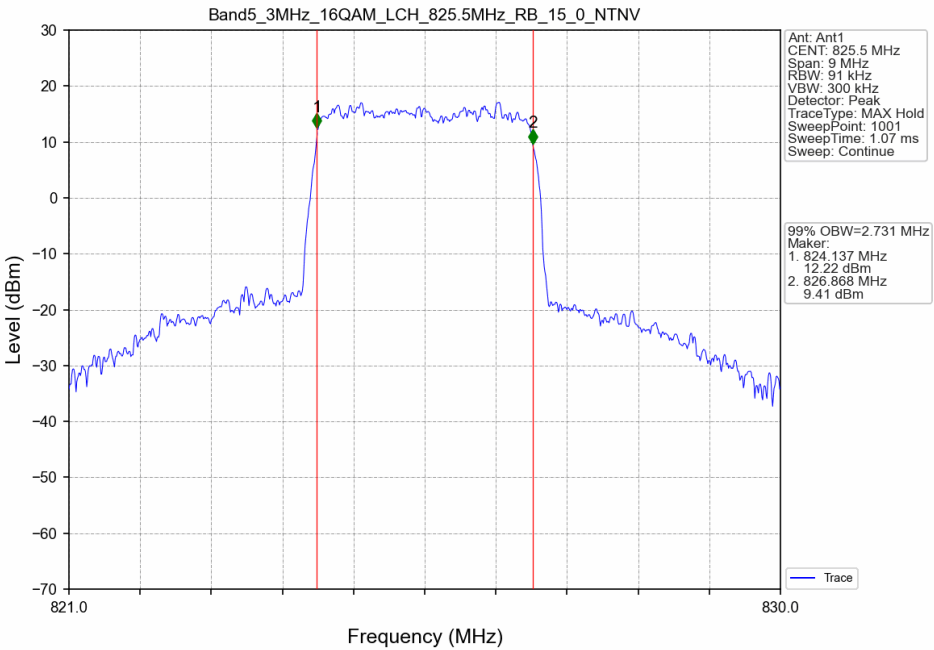
### Band5\_3MHz\_QPSK\_MCH\_836.5MHz\_RB\_15\_0\_NTNV



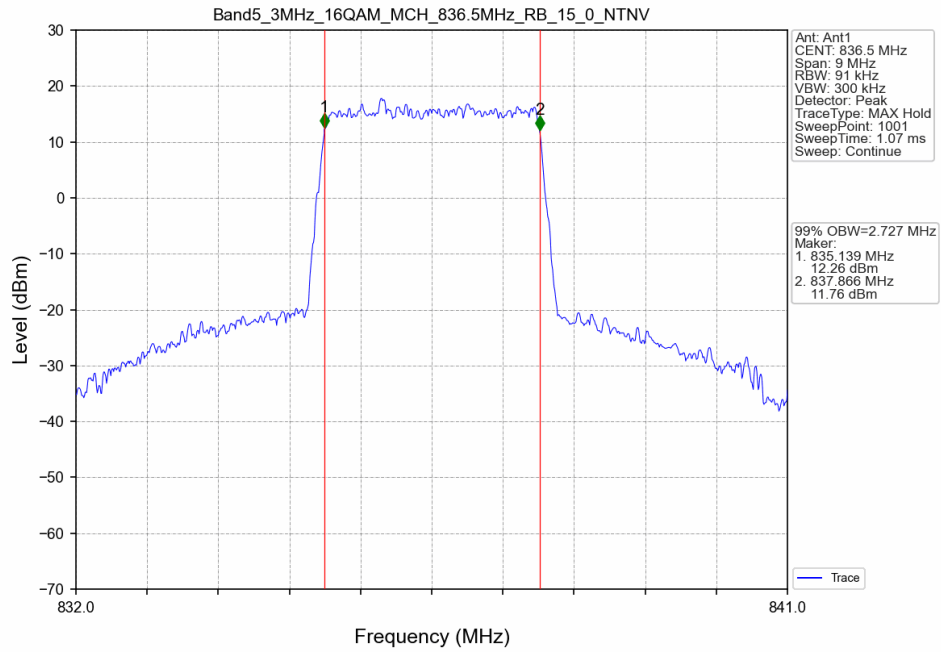
Band5\_3MHz\_QPSK\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



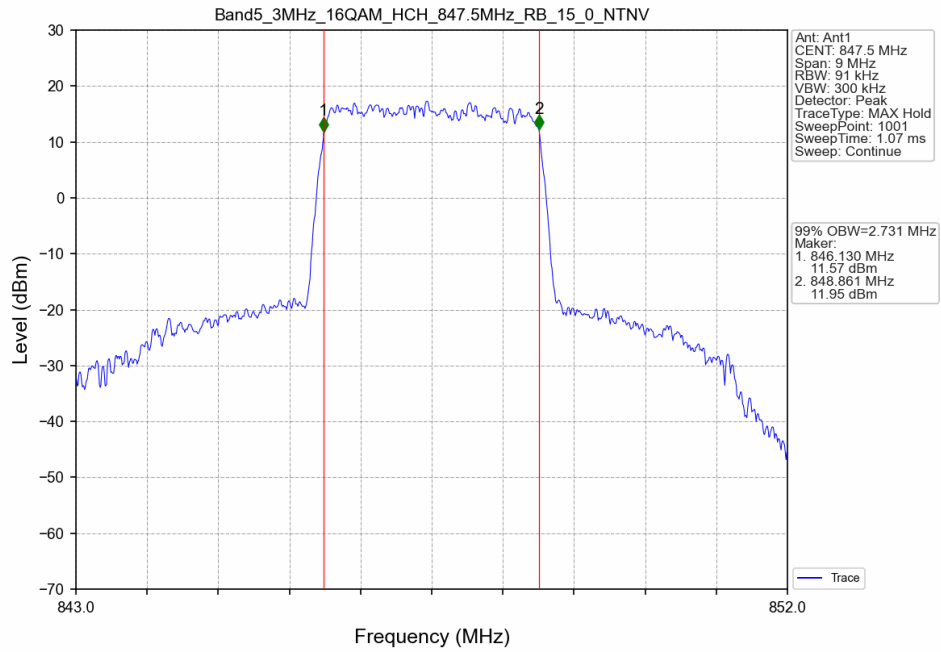
Band5\_3MHz\_16QAM\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



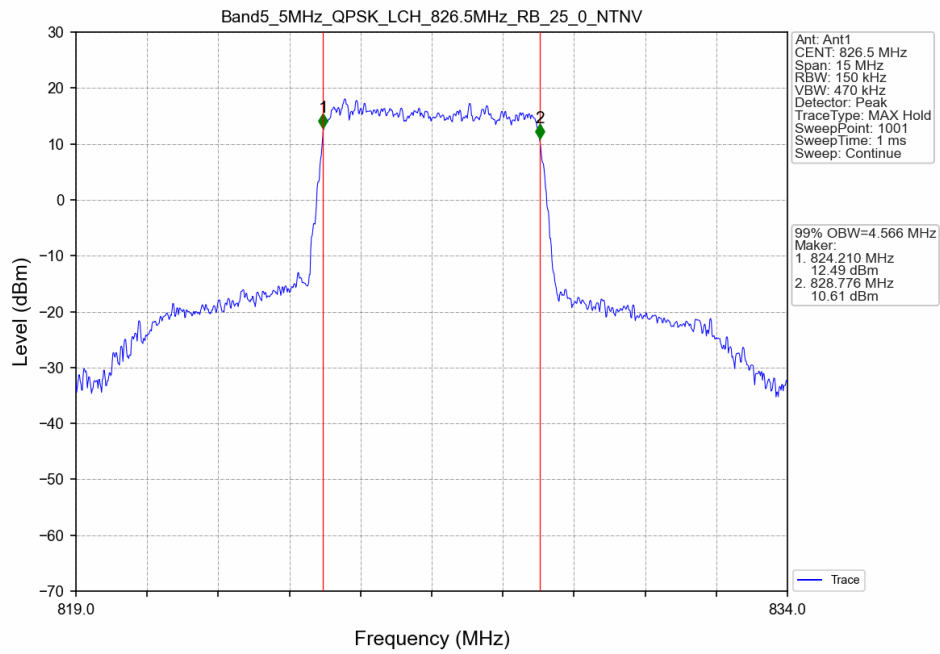
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTV



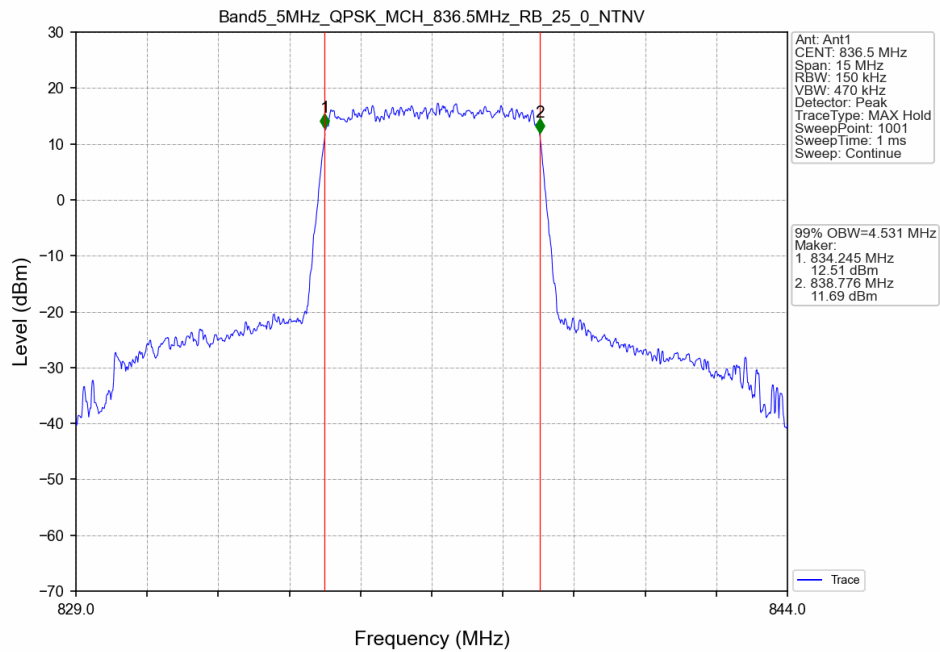
Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTV



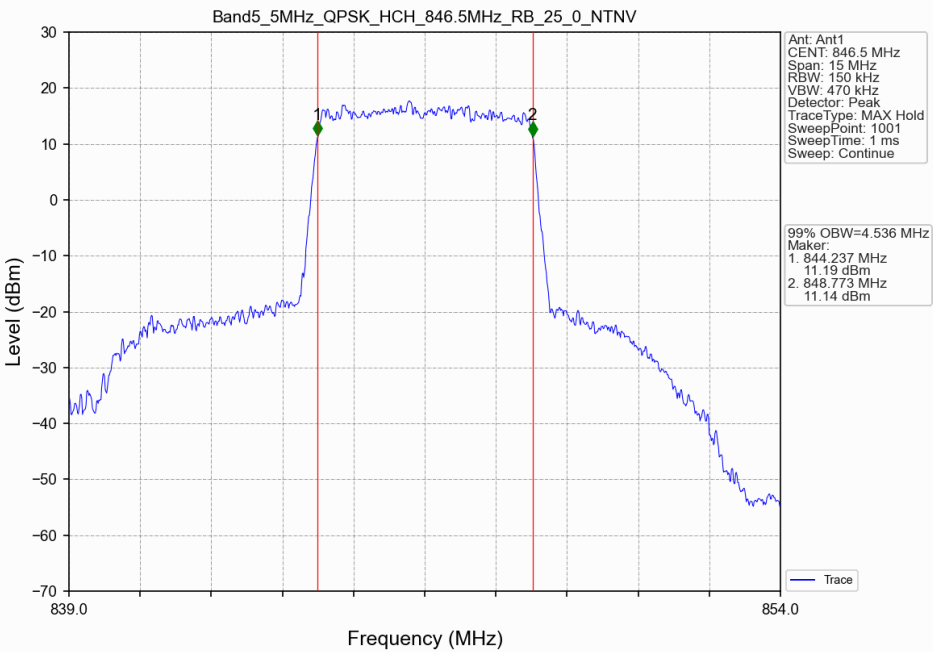
# Band5\_5MHz\_QPSK\_LCH\_826.5MHz\_RB\_25\_0\_NTNV



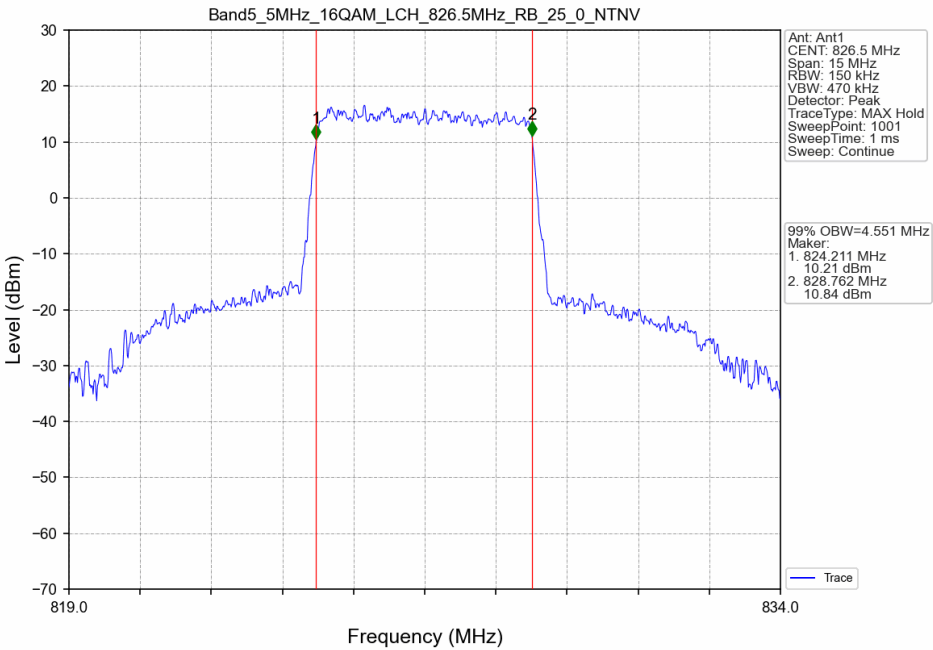
# Band5\_5MHz\_QPSK\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



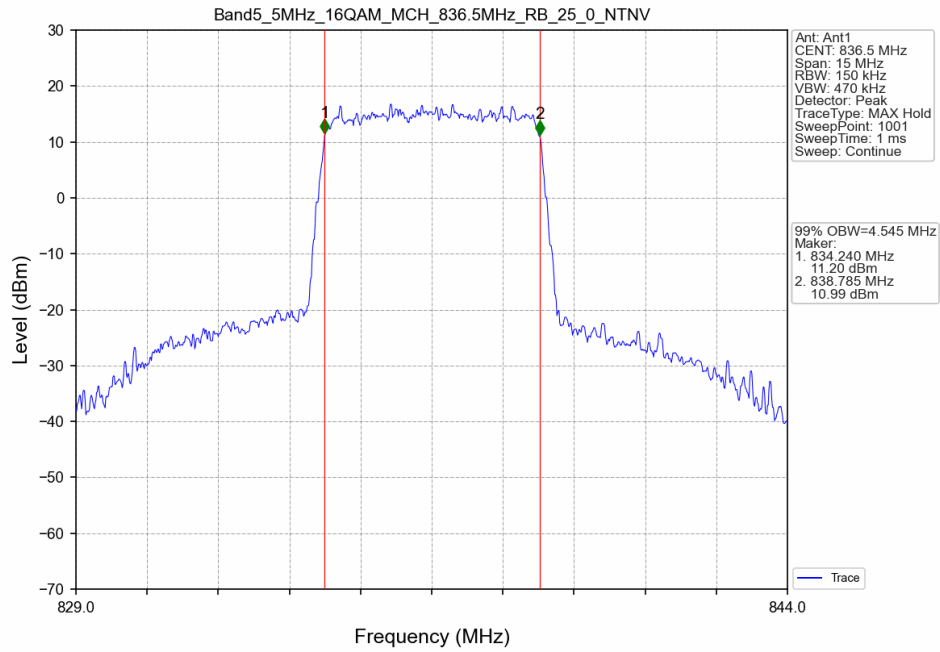
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN



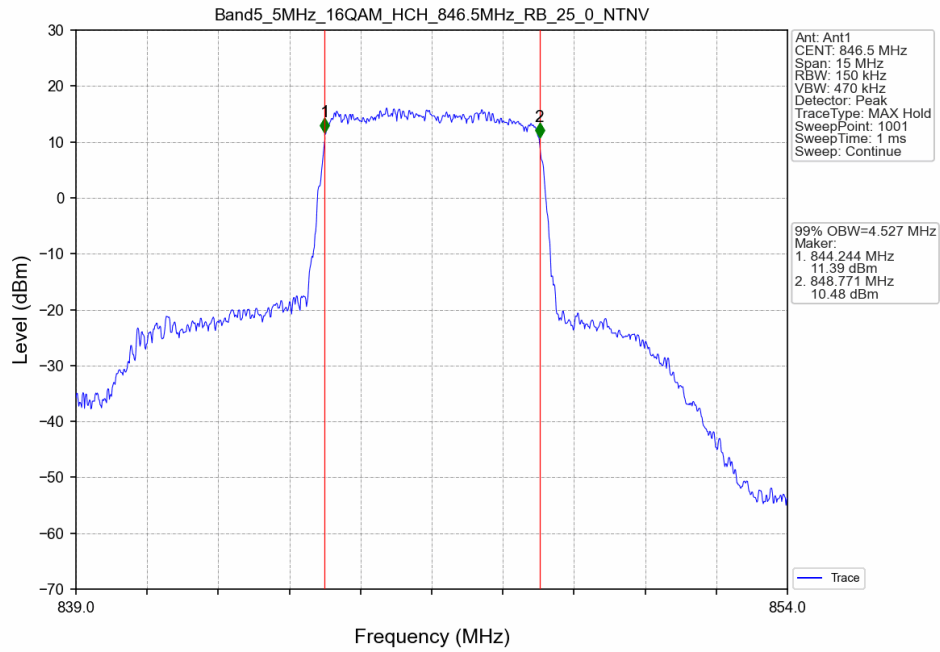
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTN



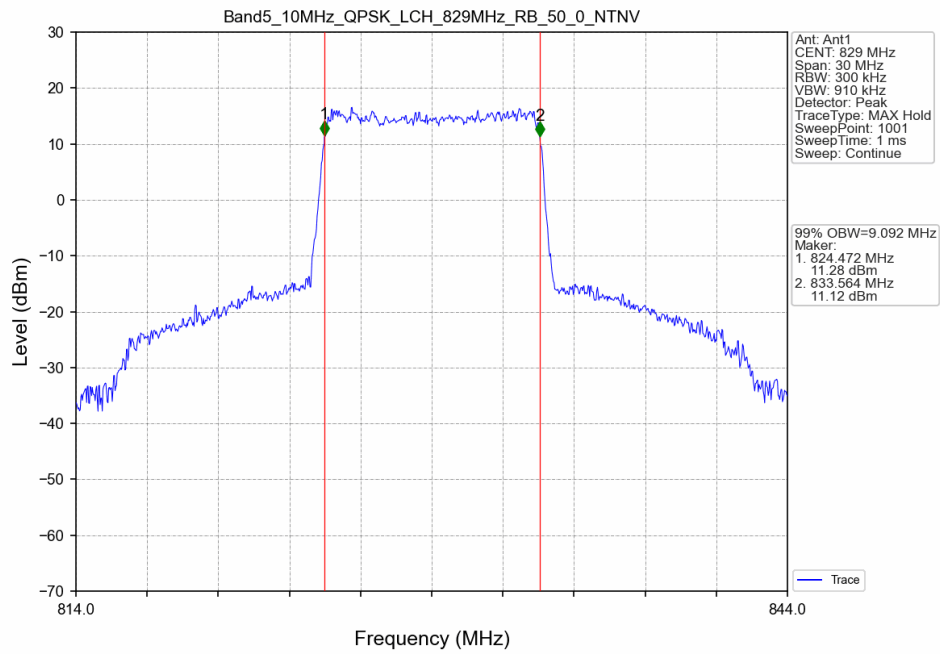
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTV



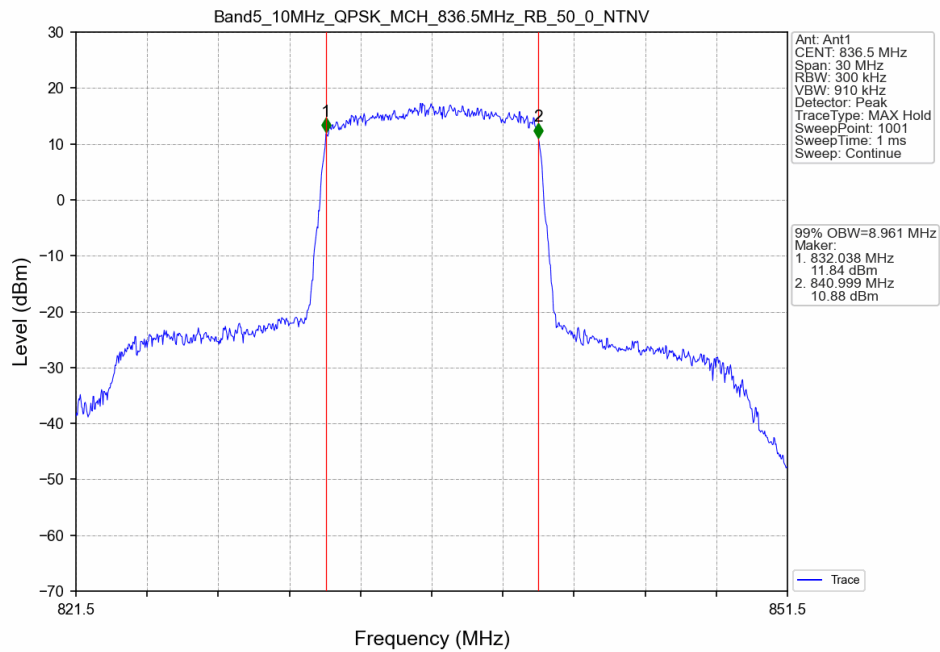
Band5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTV



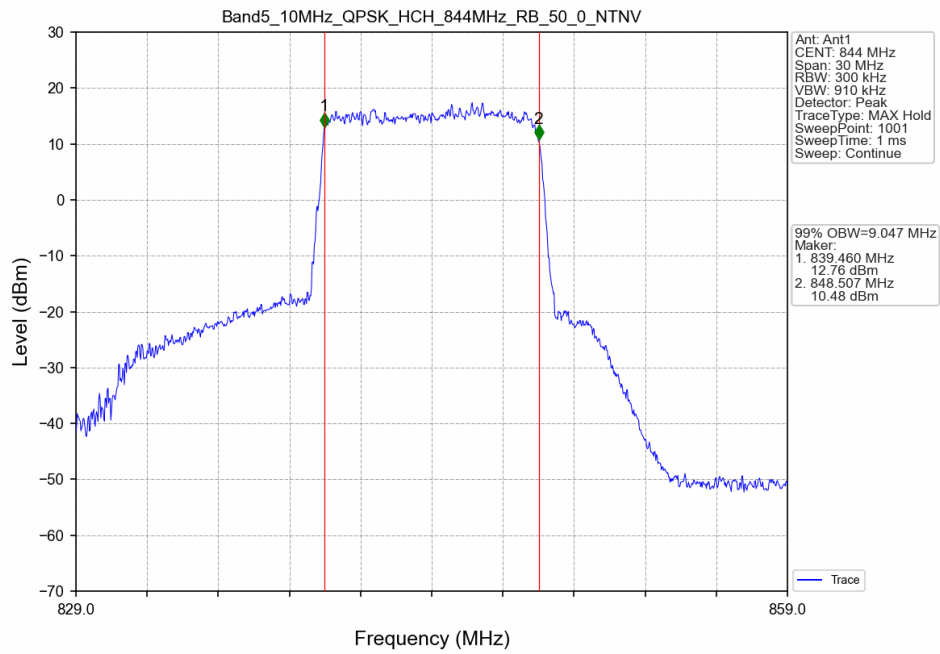
### Band5\_10MHz\_QPSK\_LCH\_829MHz\_RB\_50\_0\_NTNV



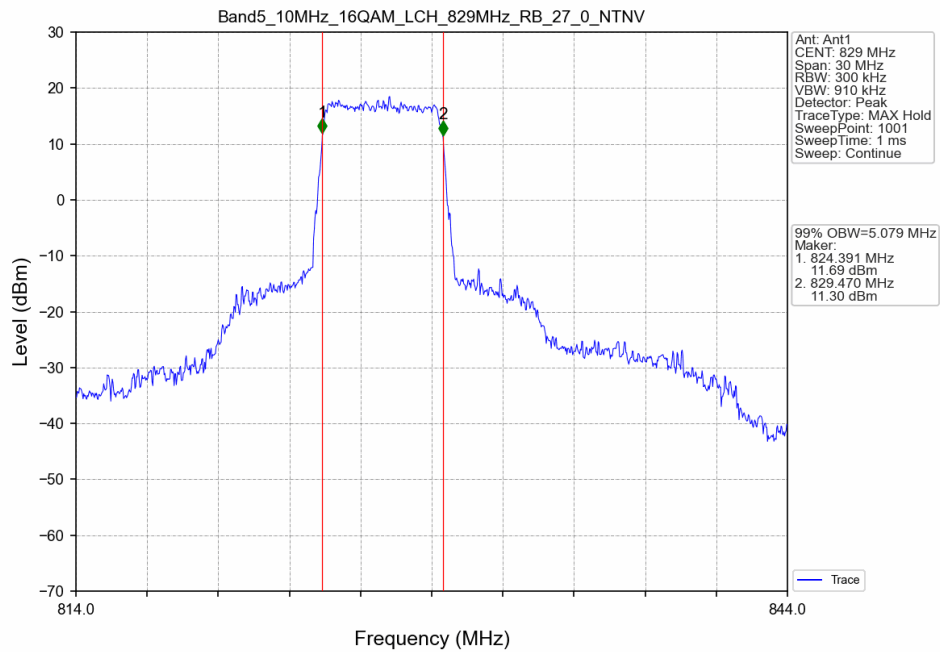
### Band5\_10MHz\_QPSK\_MCH\_836.5MHz\_RB\_50\_0\_NTNV



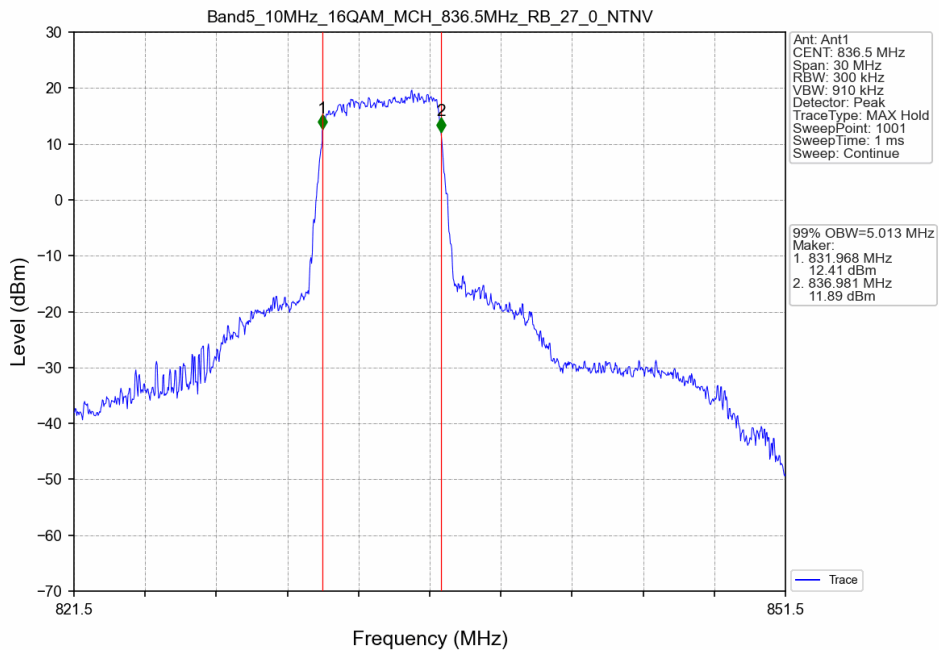
# Band5\_10MHz\_QPSK\_HCH\_844MHz\_RB\_50\_0\_NTNV



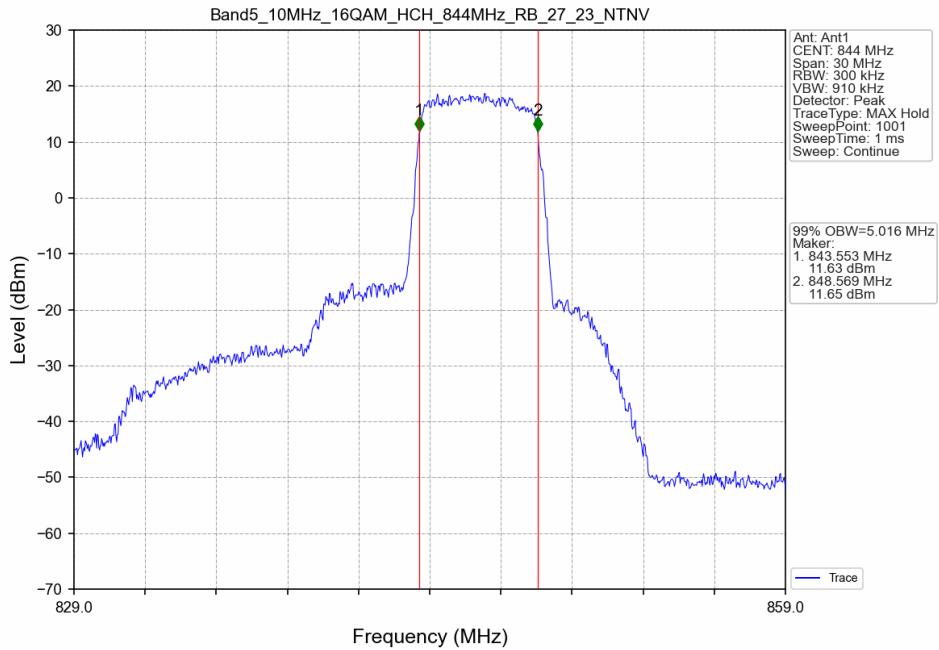
# Band5\_10MHz\_16QAM\_LCH\_829MHz\_RB\_27\_0\_NTNV



Band5\_10MHz\_16QAM\_MCH\_836.5MHz\_RB\_27\_0\_NTNV



Band5\_10MHz\_16QAM\_HCH\_844MHz\_RB\_27\_23\_NTNV

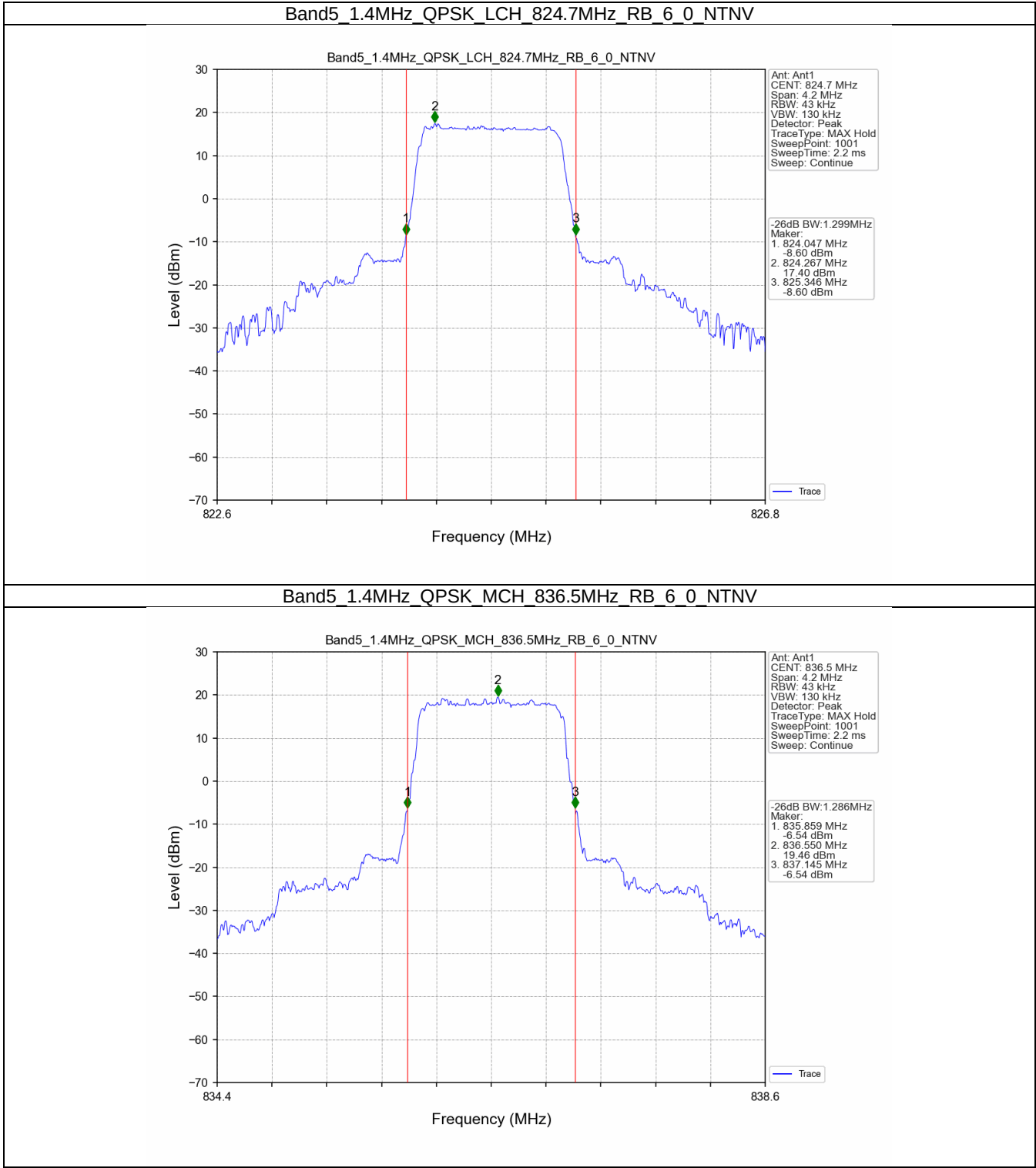


## 11.2 Band5\_XDB

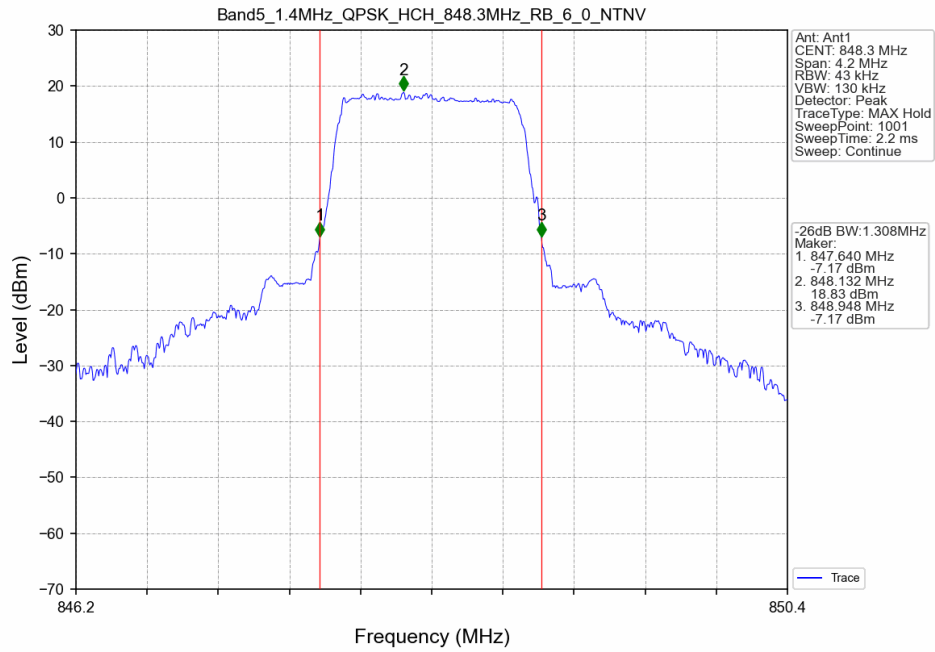
### 11.2.1 Test Result

| Band: 5 / NTN   |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 1.4             | QPSK       | 824.7           | 6             | 0      | 1.299                | /     | Pass    |
|                 |            | 836.5           | 6             | 0      | 1.286                | /     | Pass    |
|                 |            | 848.3           | 6             | 0      | 1.308                | /     | Pass    |
|                 | 16QAM      | 824.7           | 6             | 0      | 1.304                | /     | Pass    |
|                 |            | 836.5           | 6             | 0      | 1.305                | /     | Pass    |
|                 |            | 848.3           | 6             | 0      | 1.302                | /     | Pass    |
| 3               | QPSK       | 825.5           | 15            | 0      | 3.019                | /     | Pass    |
|                 |            | 836.5           | 15            | 0      | 3.016                | /     | Pass    |
|                 |            | 847.5           | 15            | 0      | 3.024                | /     | Pass    |
|                 | 16QAM      | 825.5           | 15            | 0      | 3.009                | /     | Pass    |
|                 |            | 836.5           | 15            | 0      | 3.008                | /     | Pass    |
|                 |            | 847.5           | 15            | 0      | 3.011                | /     | Pass    |
| 5               | QPSK       | 826.5           | 25            | 0      | 5.062                | /     | Pass    |
|                 |            | 836.5           | 25            | 0      | 5.026                | /     | Pass    |
|                 |            | 846.5           | 25            | 0      | 5.004                | /     | Pass    |
|                 | 16QAM      | 826.5           | 25            | 0      | 5.048                | /     | Pass    |
|                 |            | 836.5           | 25            | 0      | 5.043                | /     | Pass    |
|                 |            | 846.5           | 25            | 0      | 4.999                | /     | Pass    |
| 10              | QPSK       | 829             | 50            | 0      | 9.968                | /     | Pass    |
|                 |            | 836.5           | 50            | 0      | 9.879                | /     | Pass    |
|                 |            | 844             | 50            | 0      | 9.858                | /     | Pass    |
|                 | 16QAM      | 829             | 27            | 0      | 5.820                | /     | Pass    |
|                 |            | 836.5           | 27            | 0      | 5.778                | /     | Pass    |
|                 |            | 844             | 27            | 23     | 5.795                | /     | Pass    |

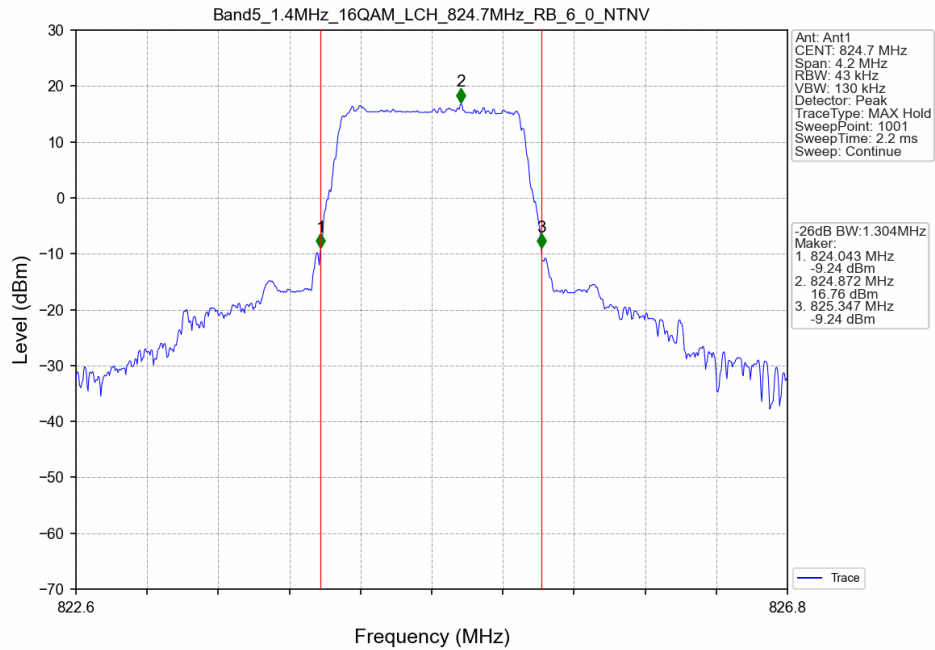
11.2.2 Test Graph



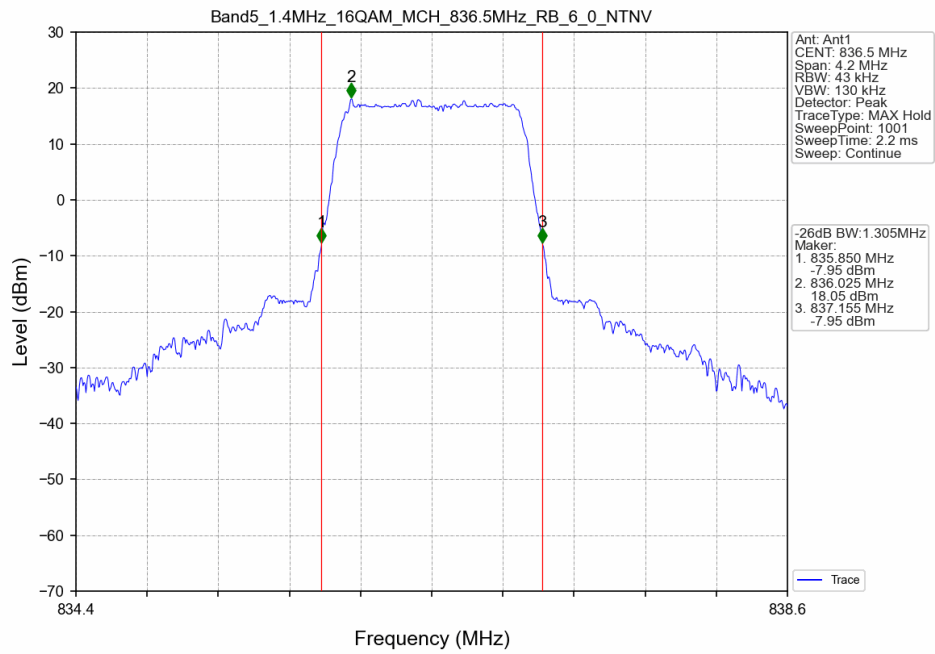
# Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN



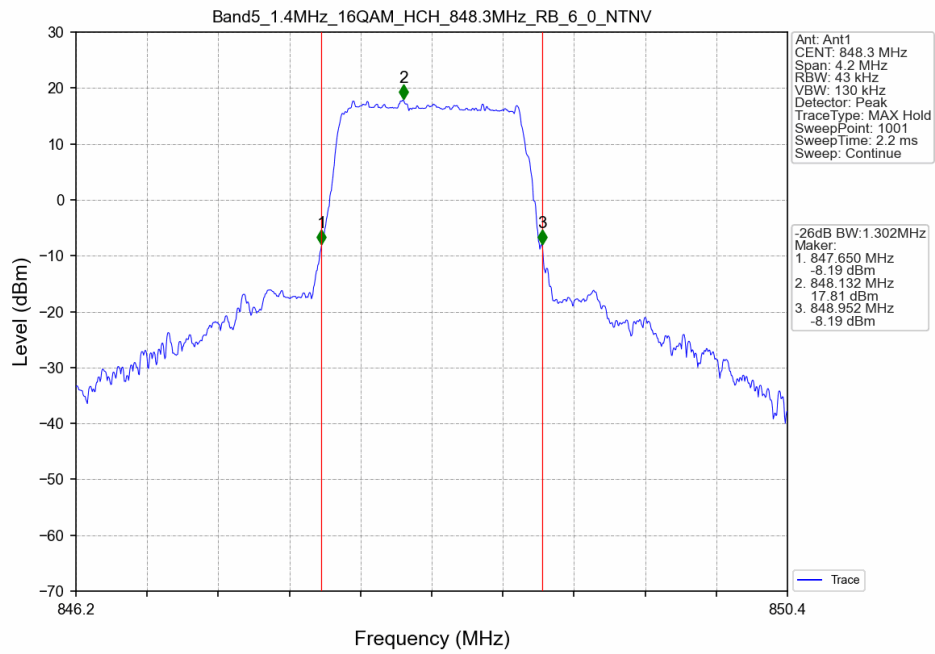
# Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTN



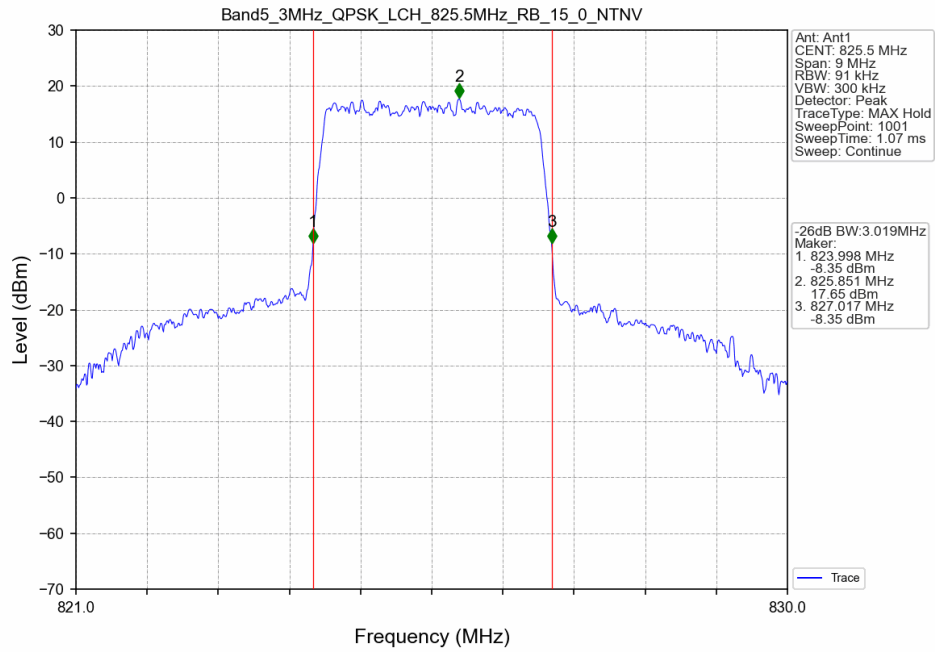
Band5\_1.4MHz\_16QAM\_MCH\_836.5MHz\_RB\_6\_0\_NTNV



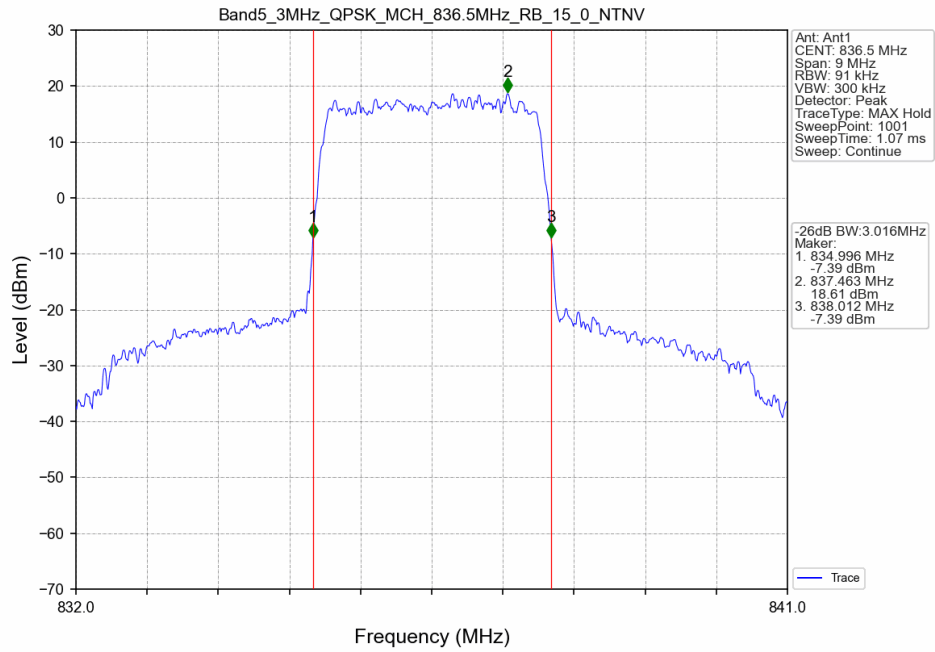
Band5\_1.4MHz\_16QAM\_HCH\_848.3MHz\_RB\_6\_0\_NTNV



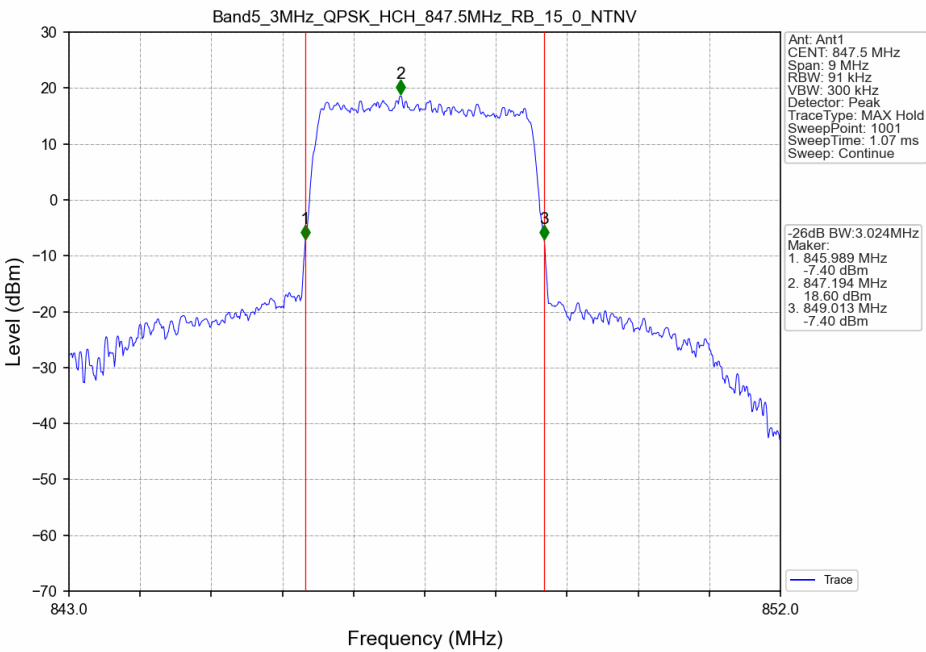
Band5\_3MHz\_QPSK\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



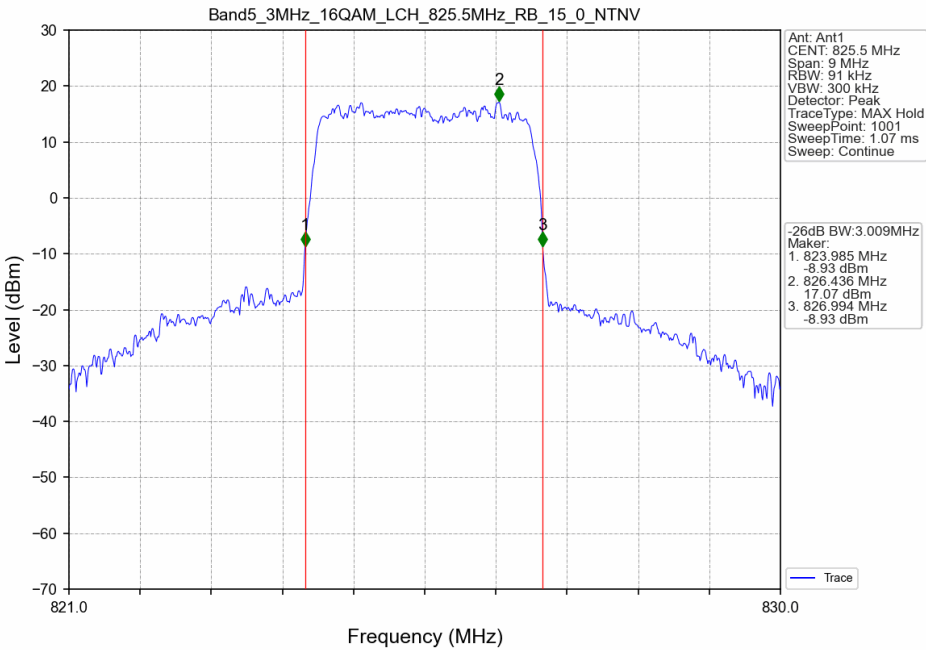
Band5\_3MHz\_QPSK\_MCH\_836.5MHz\_RB\_15\_0\_NTNV



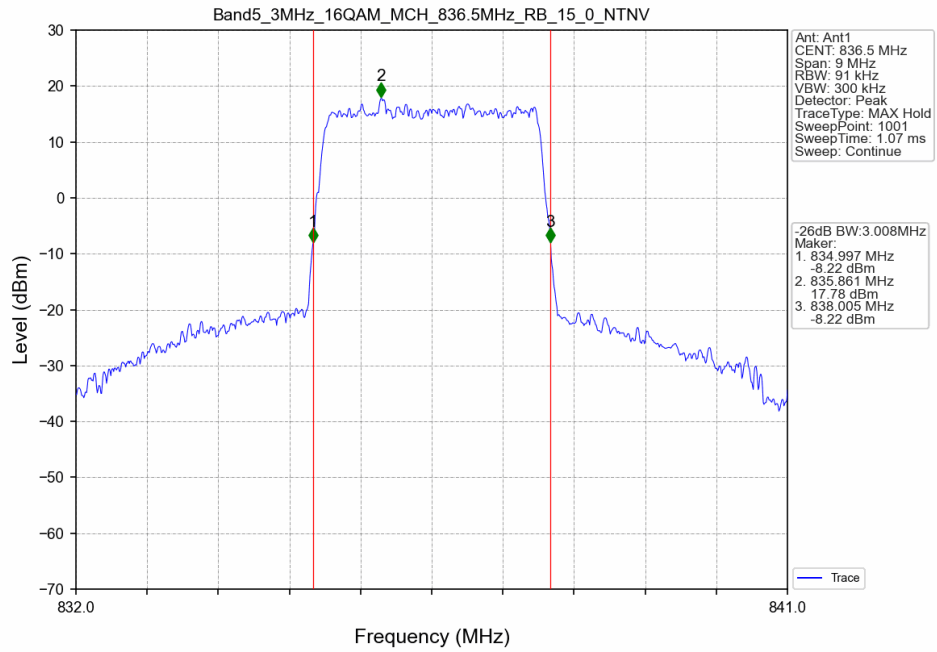
Band5\_3MHz\_QPSK\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



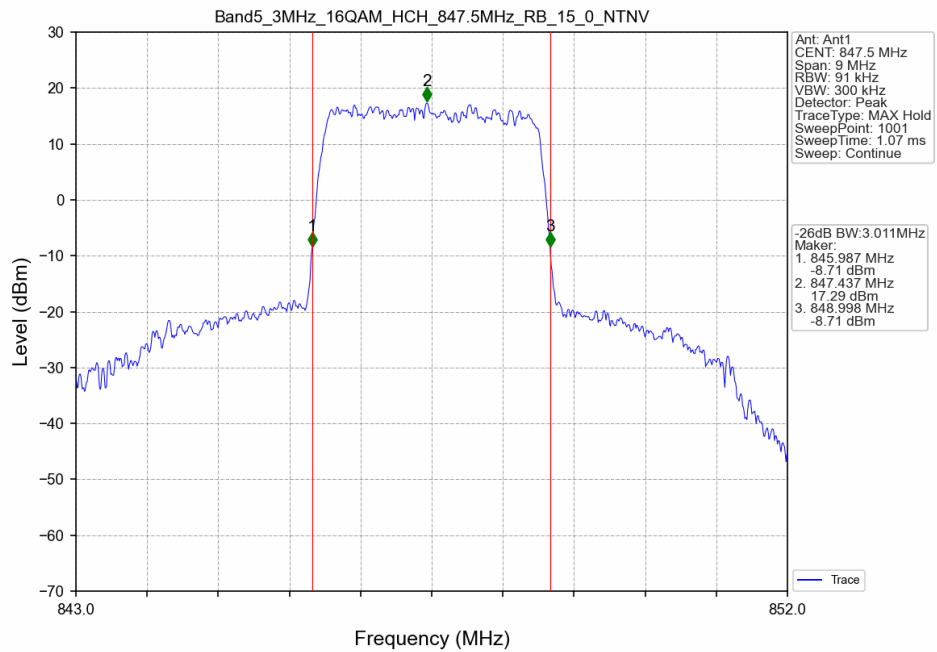
Band5\_3MHz\_16QAM\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



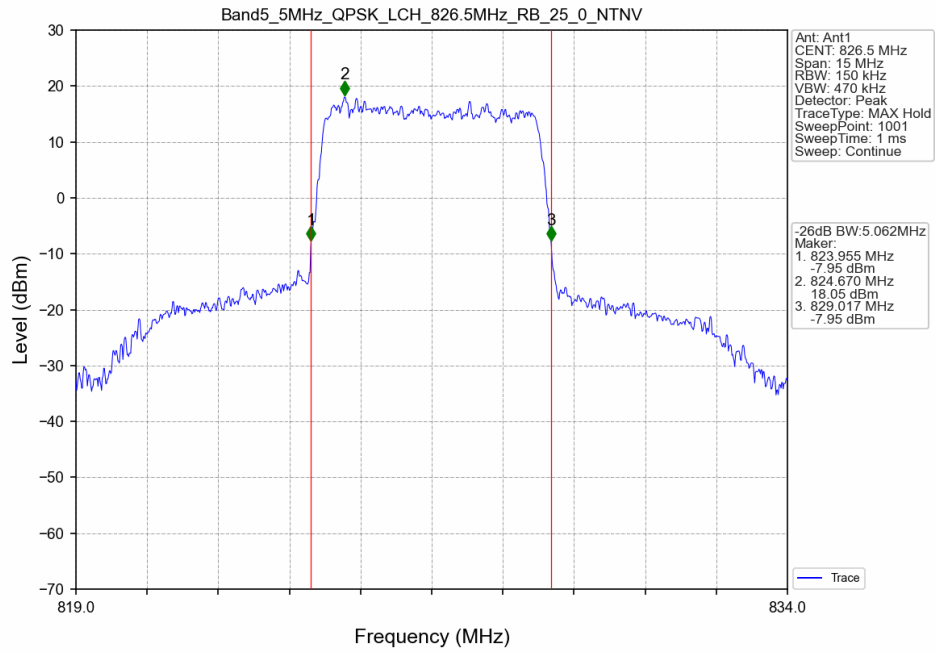
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTV



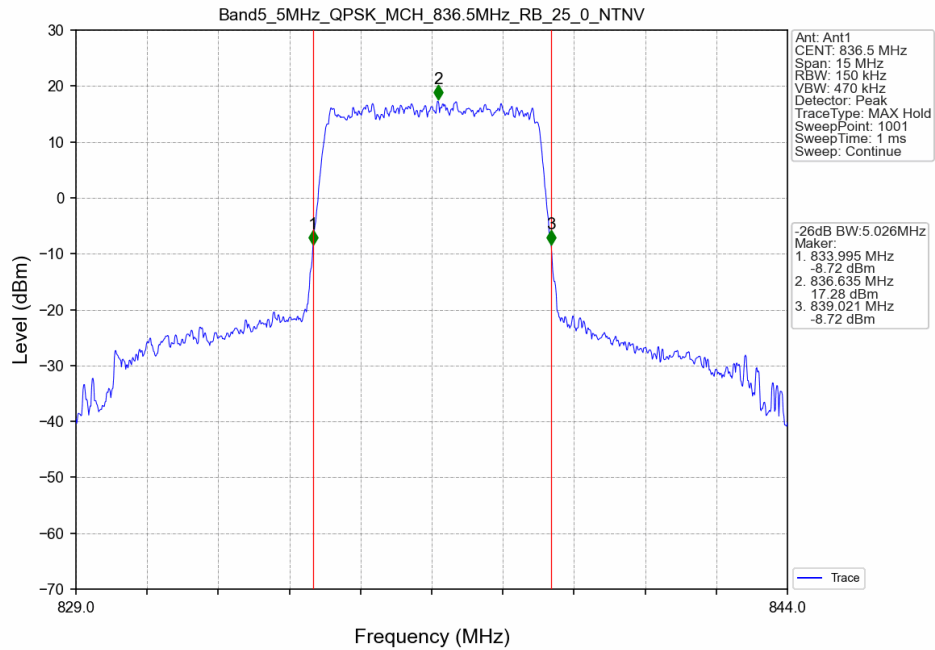
Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTV



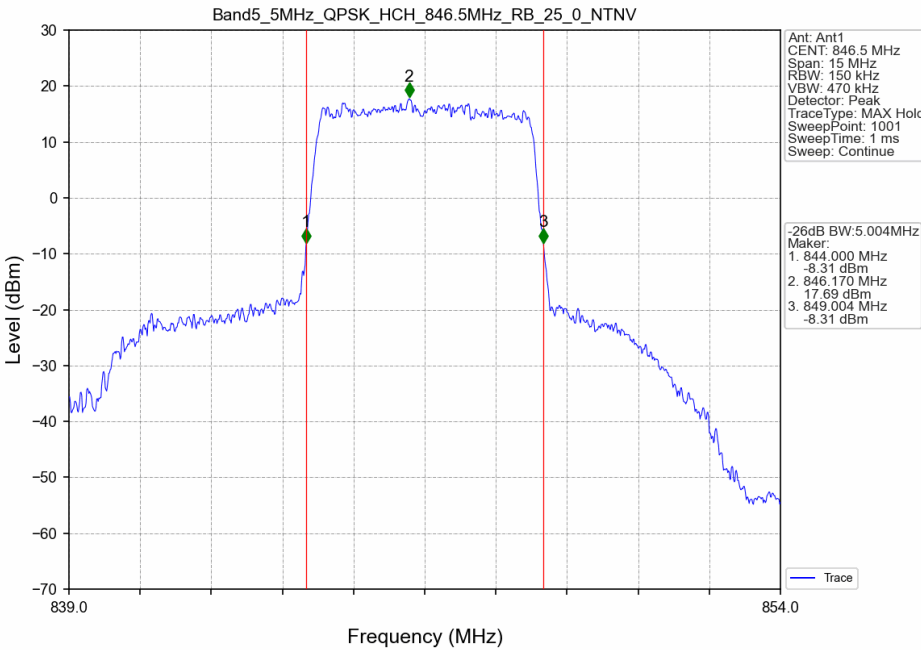
Band5\_5MHz\_QPSK\_LCH\_826.5MHz\_RB\_25\_0\_NTNV



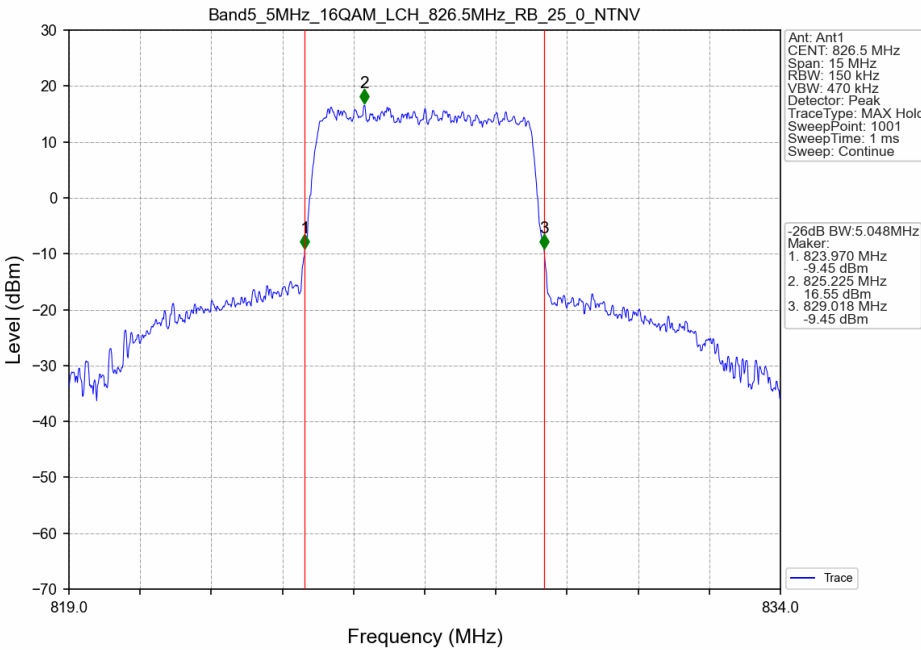
Band5\_5MHz\_QPSK\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



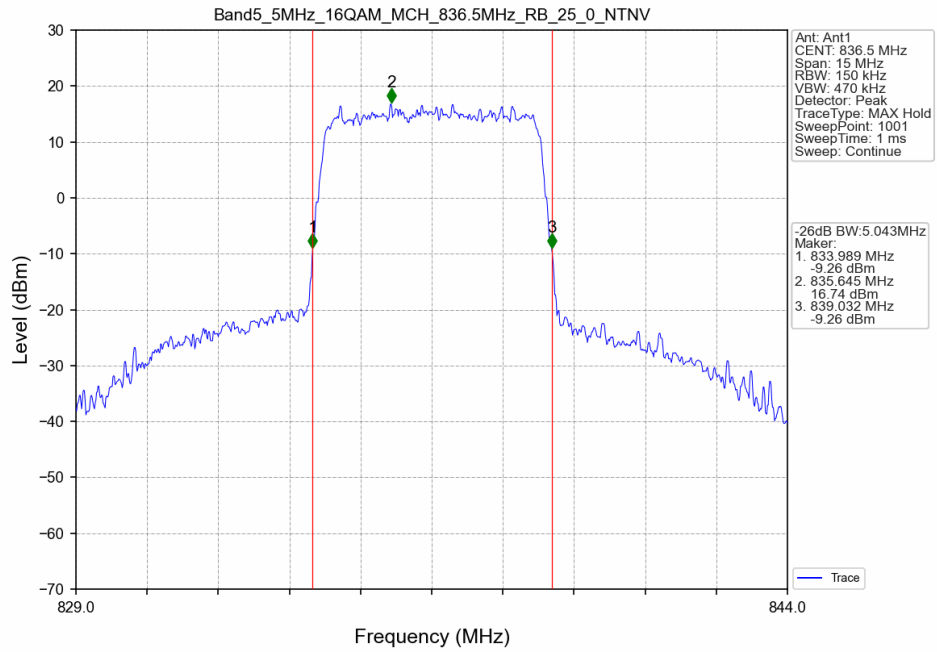
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN



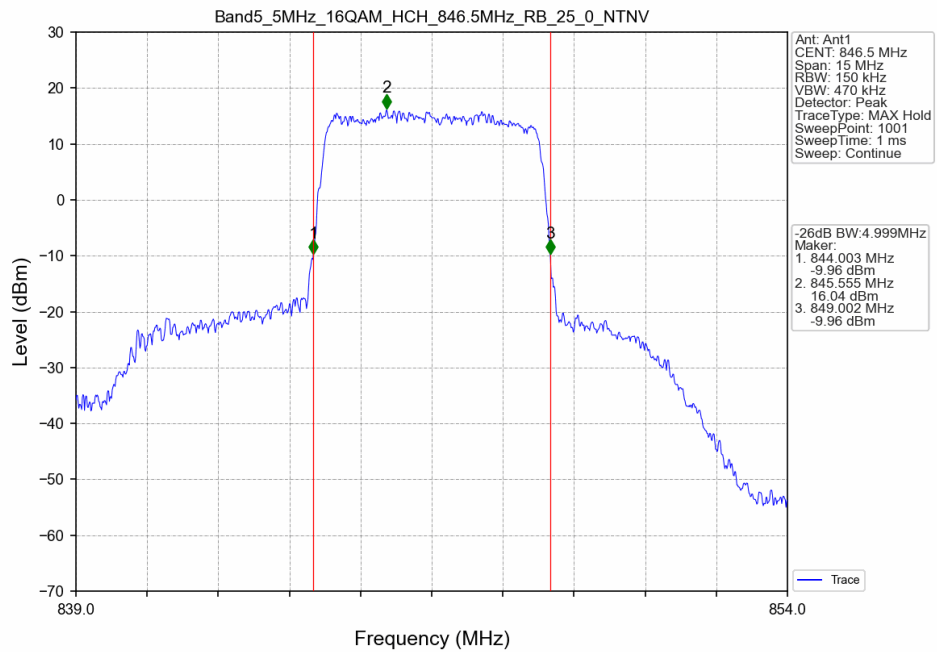
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTN



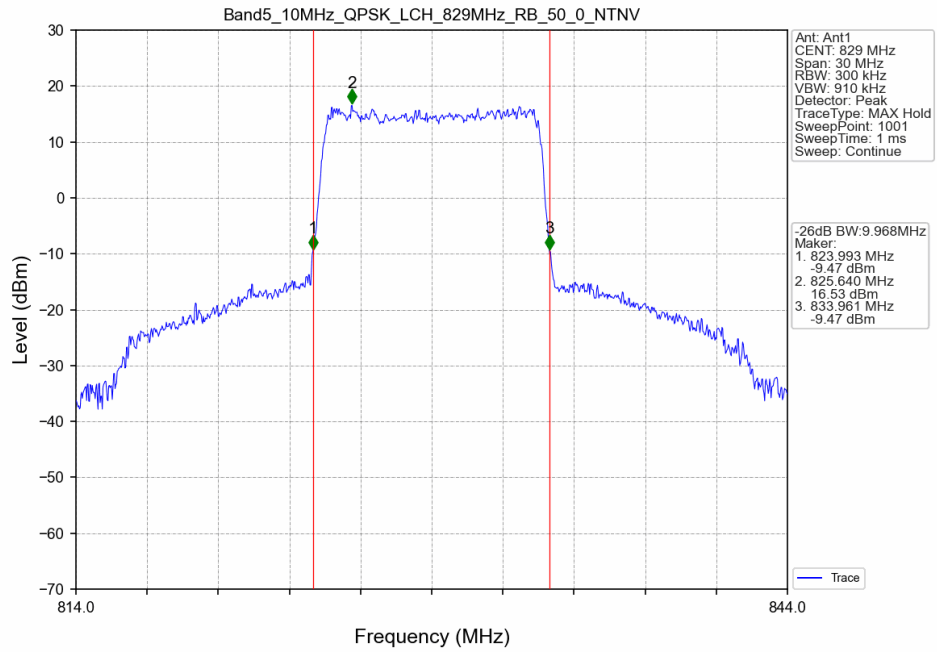
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTNV



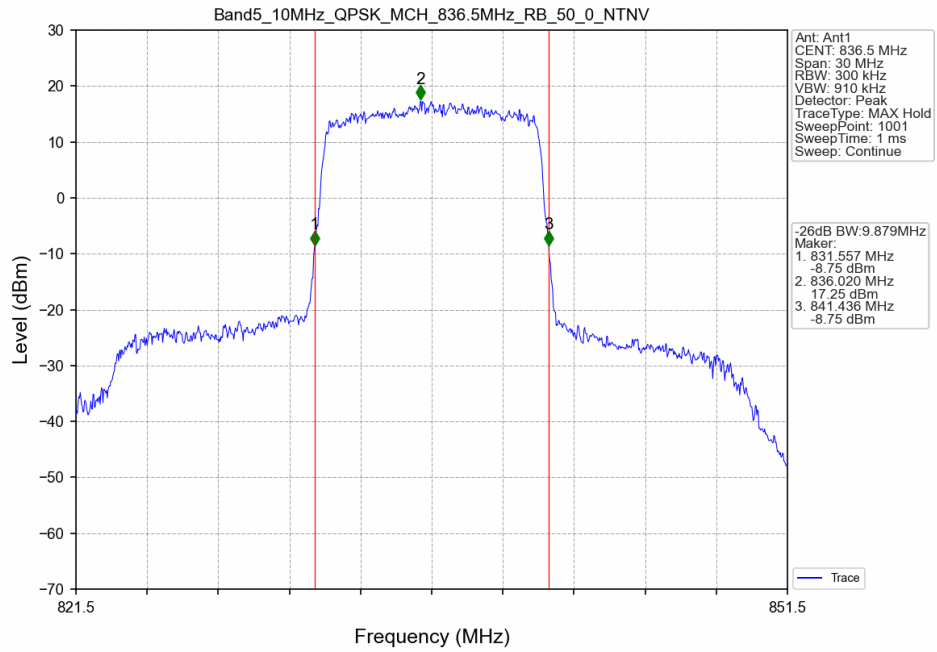
Band5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTNV



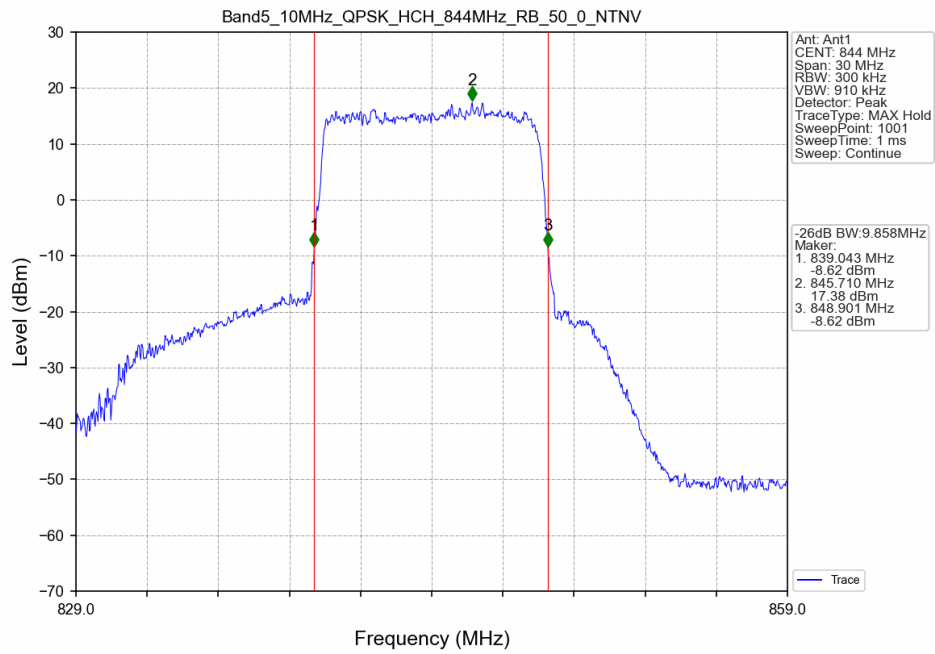
# Band5\_10MHz\_QPSK\_LCH\_829MHz\_RB\_50\_0\_NTNV



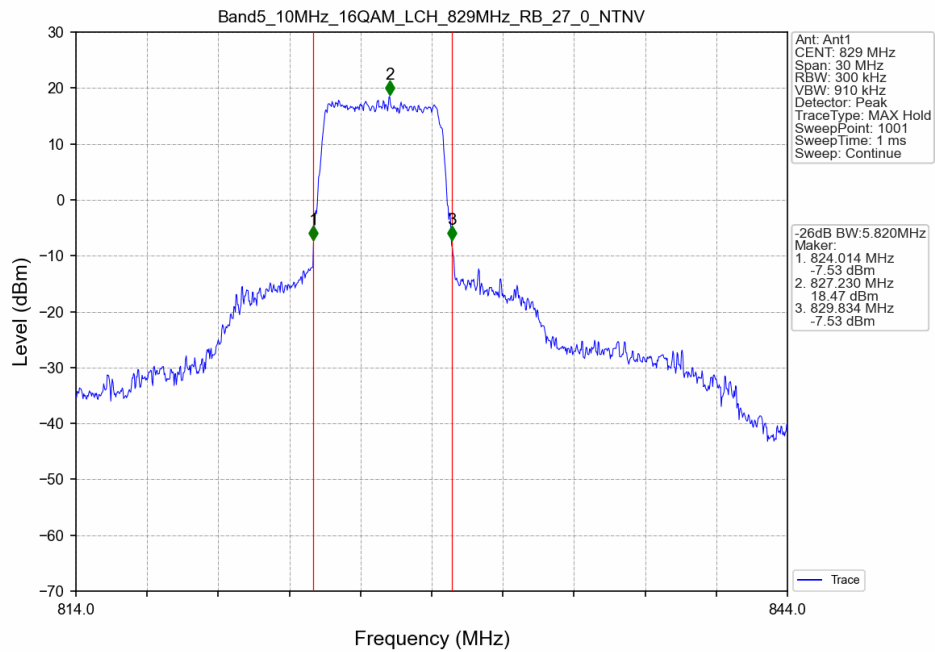
# Band5\_10MHz\_QPSK\_MCH\_836.5MHz\_RB\_50\_0\_NTNV



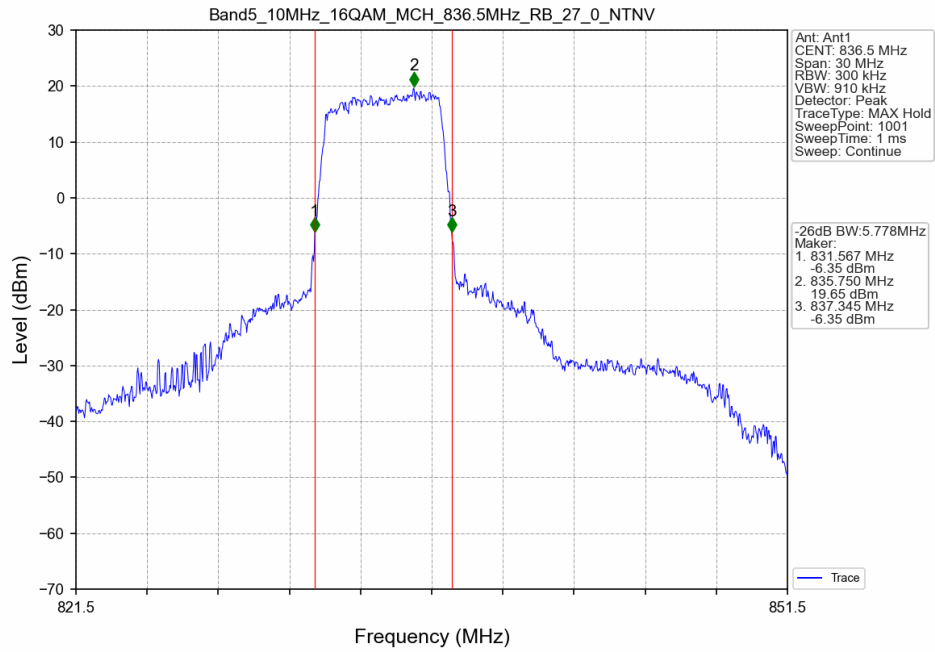
# Band5\_10MHz\_QPSK\_HCH\_844MHz\_RB\_50\_0\_NTNV



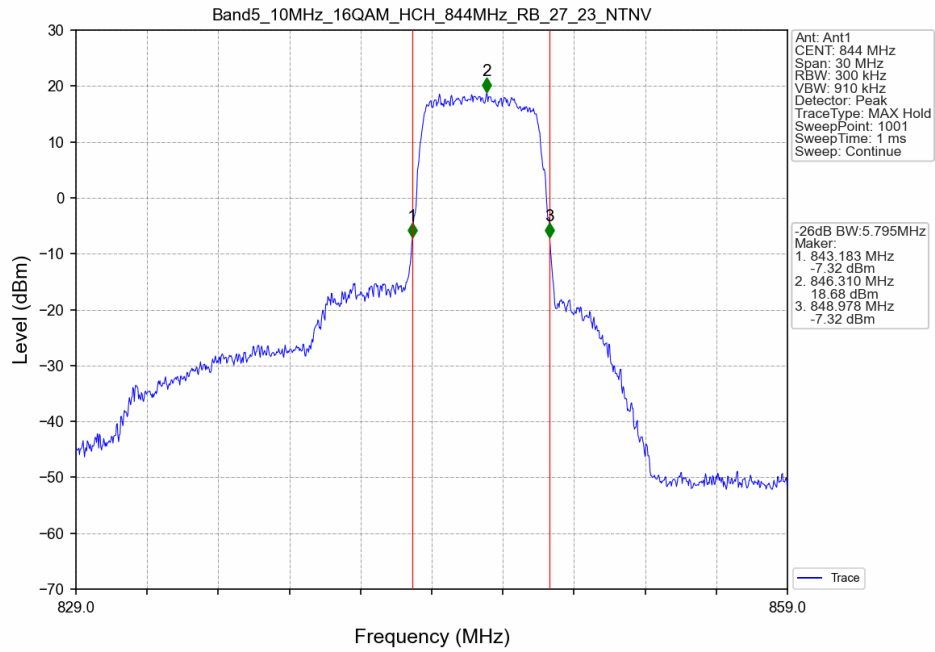
# Band5\_10MHz\_16QAM\_LCH\_829MHz\_RB\_27\_0\_NTNV



Band5\_10MHz\_16QAM\_MCH\_836.5MHz\_RB\_27\_0\_NTNV



Band5\_10MHz\_16QAM\_HCH\_844MHz\_RB\_27\_23\_NTNV



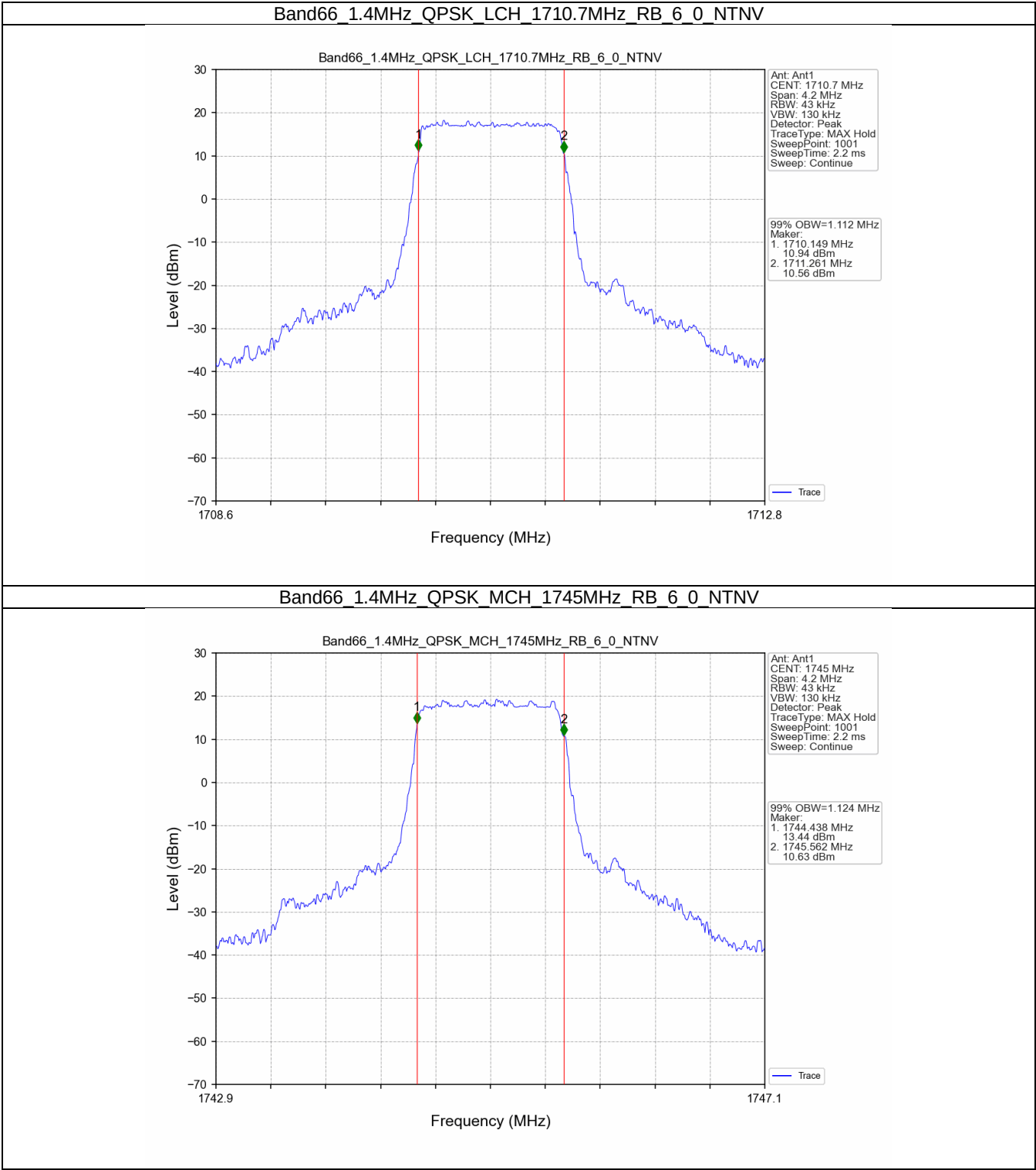
## 12. 99% & 26dB Bandwidth

### 12.1 Band66\_OBW

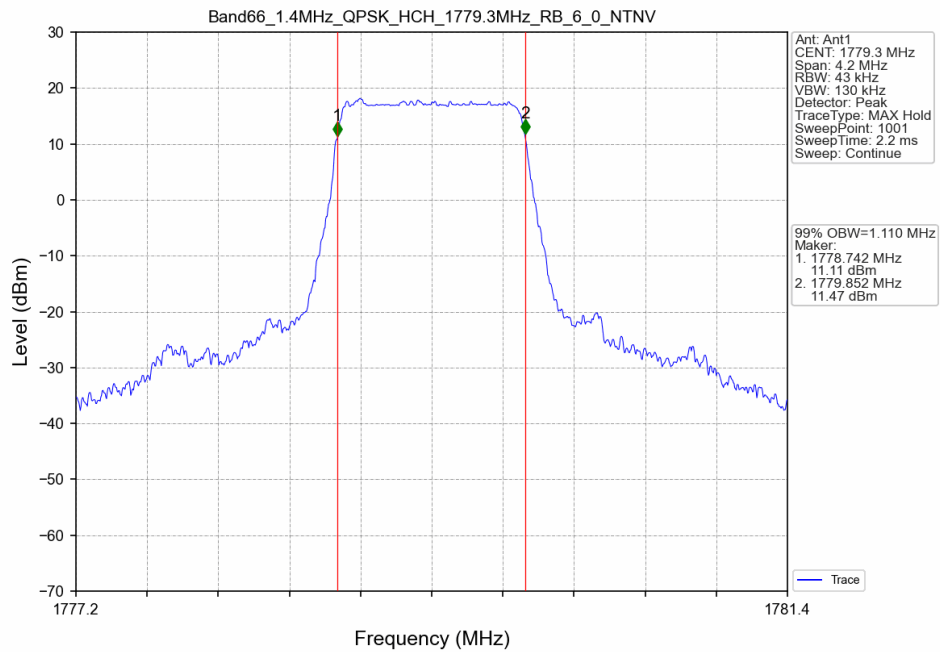
#### 12.1.1 Test Result

| Band: 66 / NTNV |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 1.4             | QPSK       | 1710.7          | 6             | 0      | 1.112                        | /     | Pass    |
|                 |            | 1745            | 6             | 0      | 1.124                        | /     | Pass    |
|                 |            | 1779.3          | 6             | 0      | 1.110                        | /     | Pass    |
|                 | 16QAM      | 1710.7          | 6             | 0      | 1.099                        | /     | Pass    |
|                 |            | 1745            | 6             | 0      | 1.104                        | /     | Pass    |
|                 |            | 1779.3          | 6             | 0      | 1.113                        | /     | Pass    |
| 3               | QPSK       | 1711.5          | 15            | 0      | 2.731                        | /     | Pass    |
|                 |            | 1745            | 15            | 0      | 2.728                        | /     | Pass    |
|                 |            | 1778.5          | 15            | 0      | 2.733                        | /     | Pass    |
|                 | 16QAM      | 1711.5          | 15            | 0      | 2.733                        | /     | Pass    |
|                 |            | 1745            | 15            | 0      | 2.725                        | /     | Pass    |
|                 |            | 1778.5          | 15            | 0      | 2.725                        | /     | Pass    |
| 5               | QPSK       | 1712.5          | 25            | 0      | 4.565                        | /     | Pass    |
|                 |            | 1745            | 25            | 0      | 4.531                        | /     | Pass    |
|                 |            | 1777.5          | 25            | 0      | 4.544                        | /     | Pass    |
|                 | 16QAM      | 1712.5          | 25            | 0      | 4.521                        | /     | Pass    |
|                 |            | 1745            | 25            | 0      | 4.562                        | /     | Pass    |
|                 |            | 1777.5          | 25            | 0      | 4.542                        | /     | Pass    |
| 10              | QPSK       | 1715            | 50            | 0      | 9.037                        | /     | Pass    |
|                 |            | 1745            | 50            | 0      | 9.033                        | /     | Pass    |
|                 |            | 1775            | 50            | 0      | 9.055                        | /     | Pass    |
|                 | 16QAM      | 1715            | 27            | 0      | 5.051                        | /     | Pass    |
|                 |            | 1745            | 27            | 0      | 5.044                        | /     | Pass    |
|                 |            | 1775            | 27            | 23     | 5.064                        | /     | Pass    |
| 15              | QPSK       | 1717.5          | 75            | 0      | 13.550                       | /     | Pass    |
|                 |            | 1745            | 75            | 0      | 13.499                       | /     | Pass    |
|                 |            | 1772.5          | 75            | 0      | 13.594                       | /     | Pass    |
|                 | 16QAM      | 1717.5          | 27            | 0      | 5.259                        | /     | Pass    |
|                 |            | 1745            | 27            | 0      | 5.222                        | /     | Pass    |
|                 |            | 1772.5          | 27            | 48     | 5.217                        | /     | Pass    |
| 20              | QPSK       | 1720            | 100           | 0      | 18.100                       | /     | Pass    |
|                 |            | 1745            | 100           | 0      | 18.034                       | /     | Pass    |
|                 |            | 1770            | 100           | 0      | 18.058                       | /     | Pass    |
|                 | 16QAM      | 1720            | 27            | 0      | 5.414                        | /     | Pass    |
|                 |            | 1745            | 27            | 0      | 5.390                        | /     | Pass    |
|                 |            | 1770            | 27            | 73     | 5.403                        | /     | Pass    |

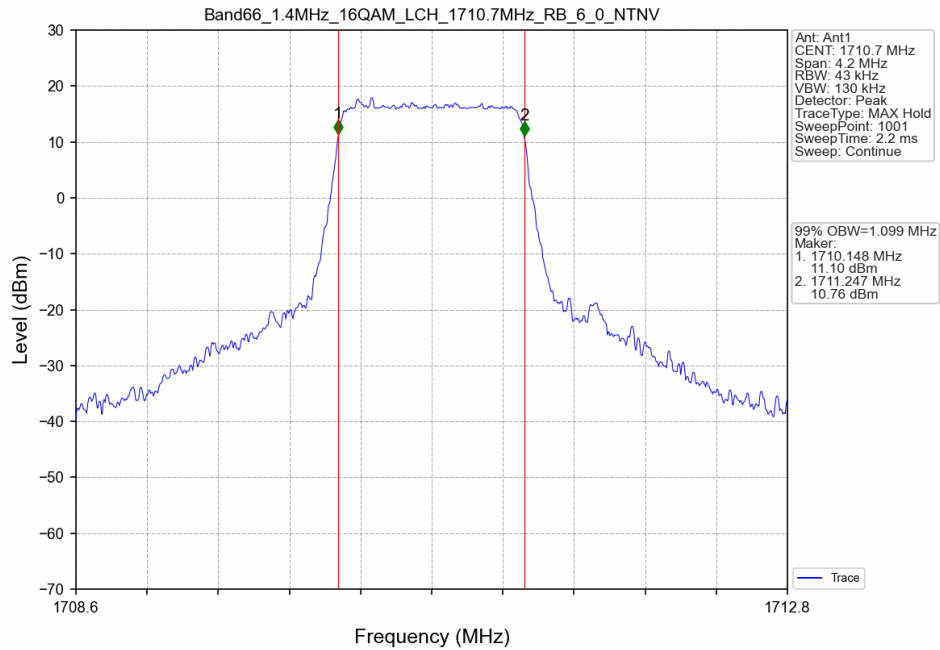
12.1.2 Test Graph



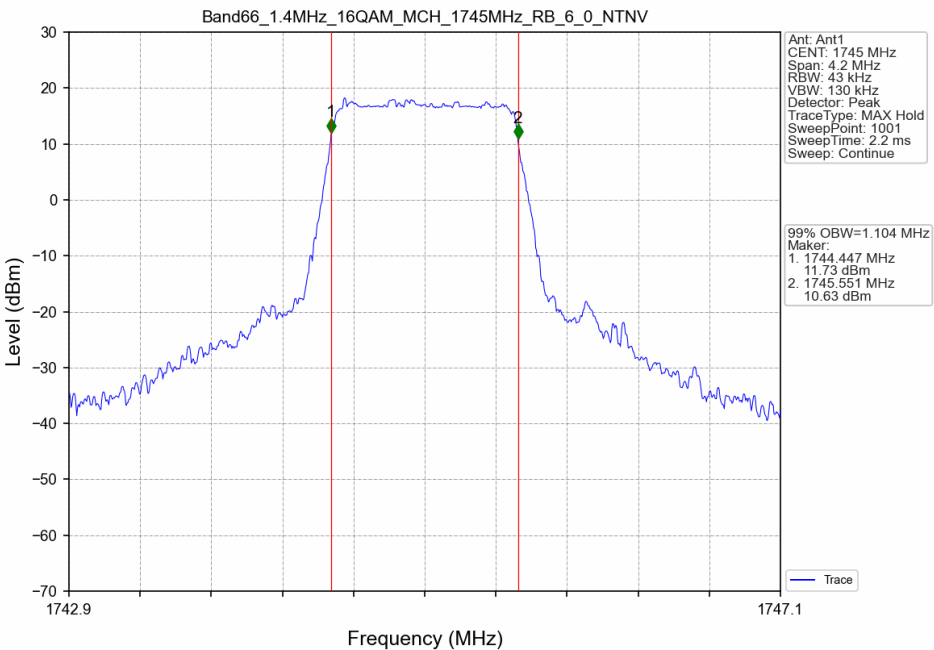
Band66 1.4MHz QPSK HCH 1779.3MHz RB 6 0 NTV



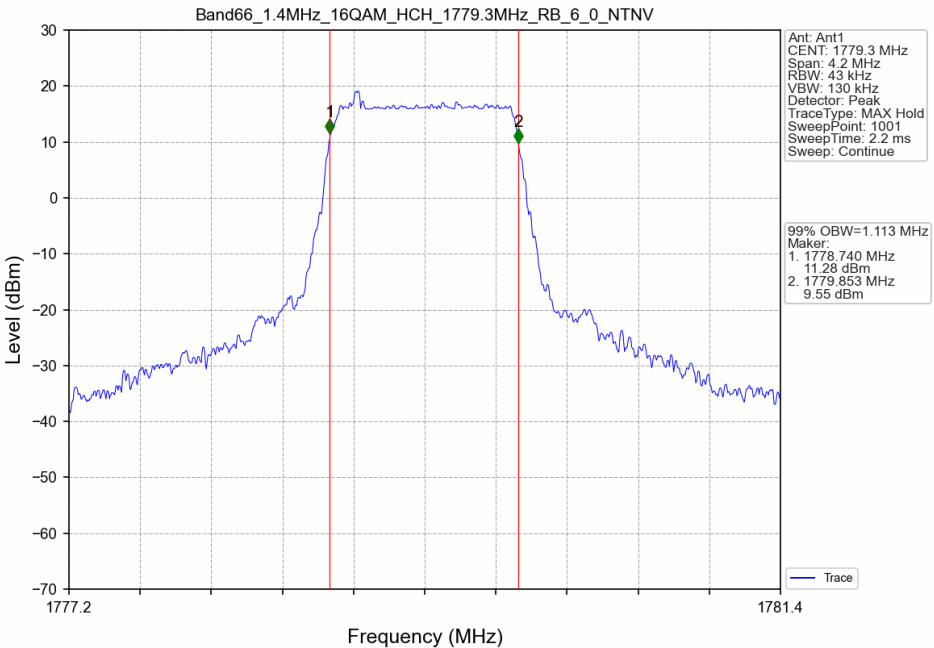
Band66 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTV



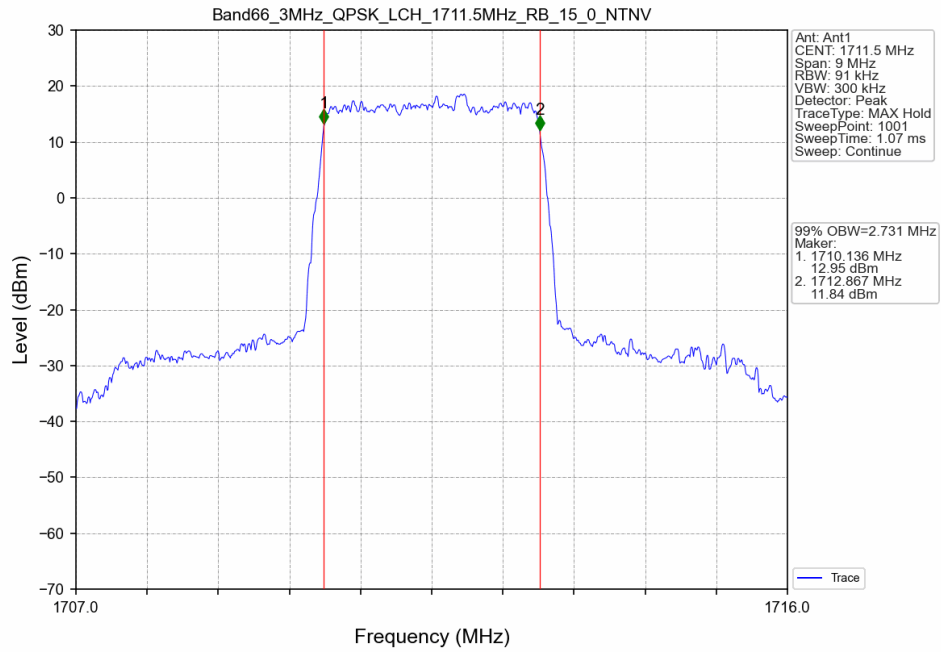
Band66 1.4MHz 16QAM MCH 1745MHz RB 6 0 NTV



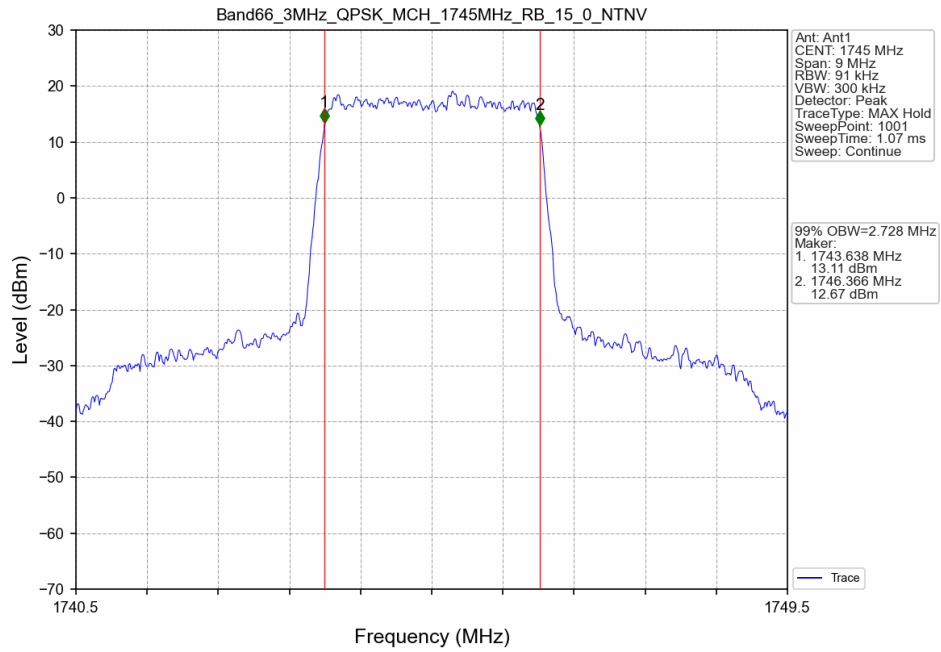
Band66 1.4MHz 16QAM HCH 1779.3MHz RB 6 0 NTV



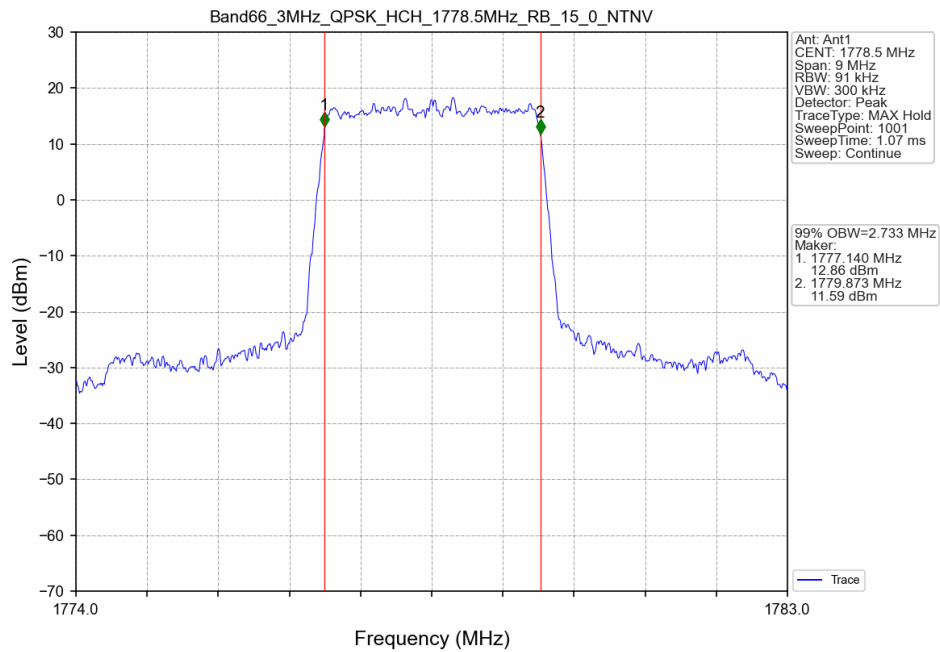
Band66\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



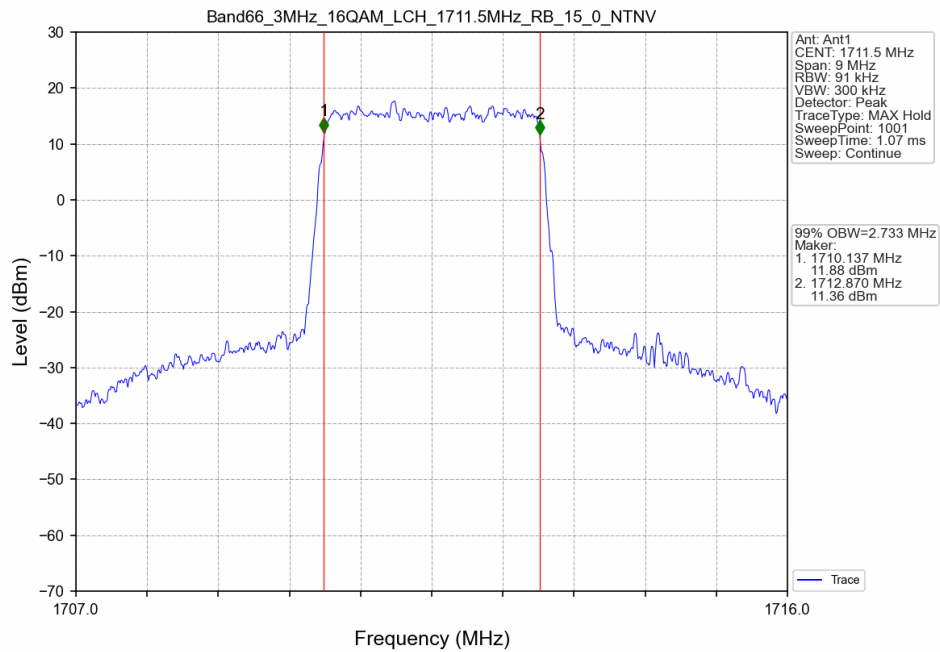
Band66\_3MHz\_QPSK\_MCH\_1745MHz\_RB\_15\_0\_NTNV



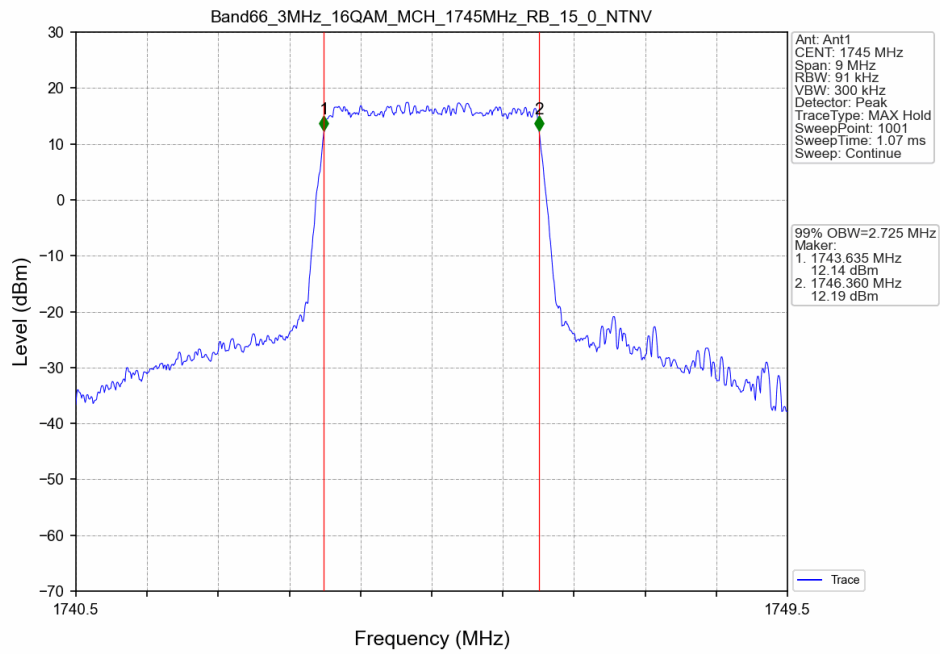
Band66 3MHz QPSK HCH 1778.5MHz RB 15 0 NTV



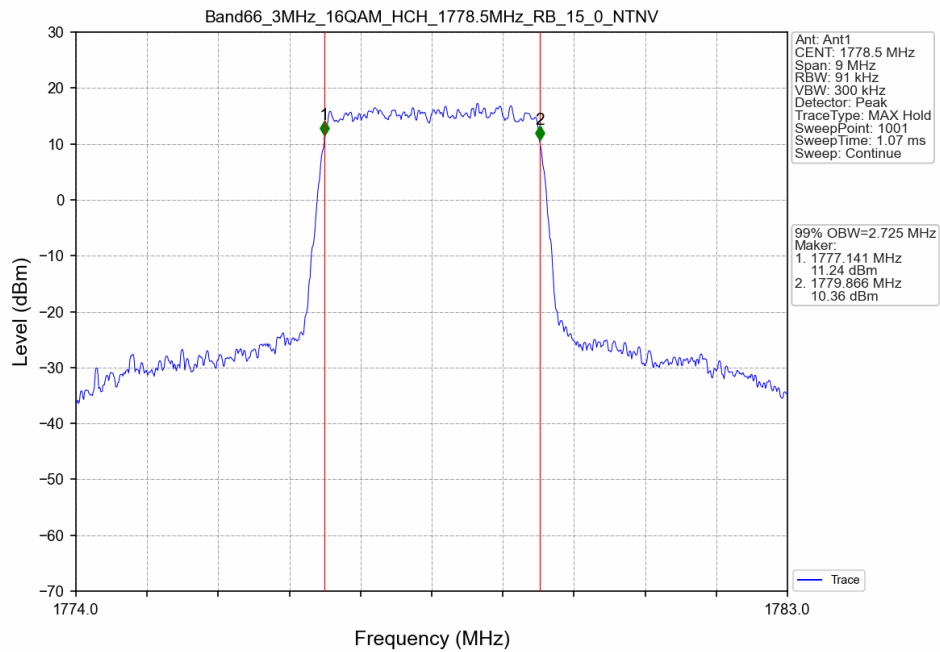
Band66 3MHz 16QAM LCH 1711.5MHz RB 15 0 NTV



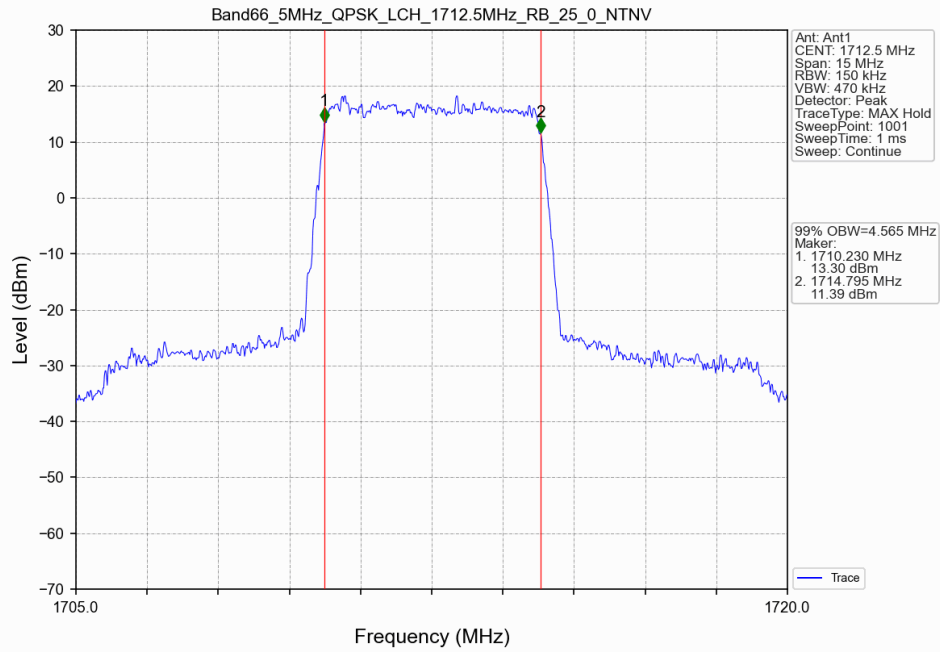
Band66\_3MHz\_16QAM\_MCH\_1745MHz\_RB\_15\_0\_NTNV



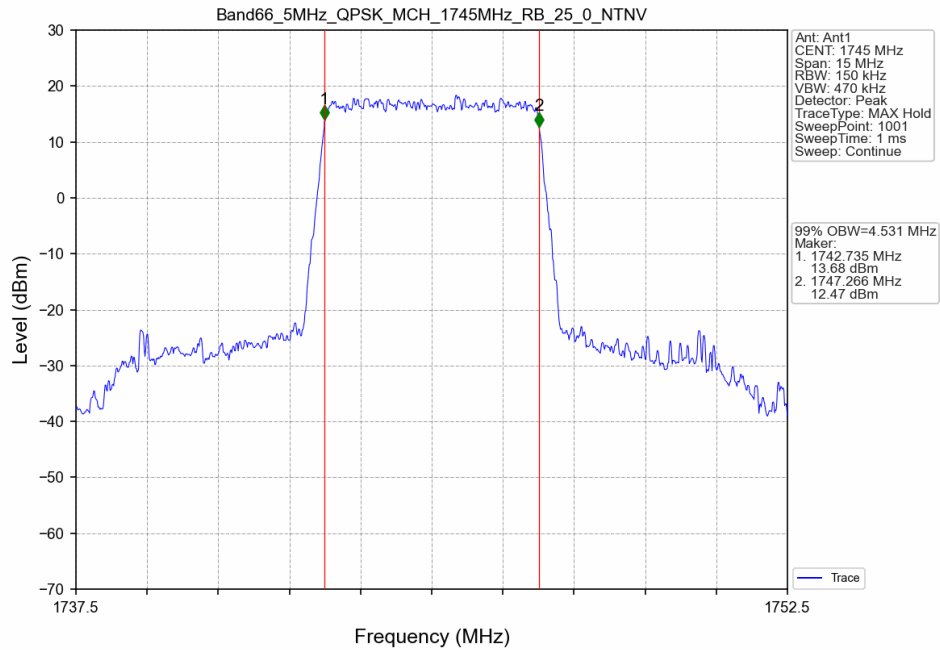
Band66\_3MHz\_16QAM\_HCH\_1778.5MHz\_RB\_15\_0\_NTNV



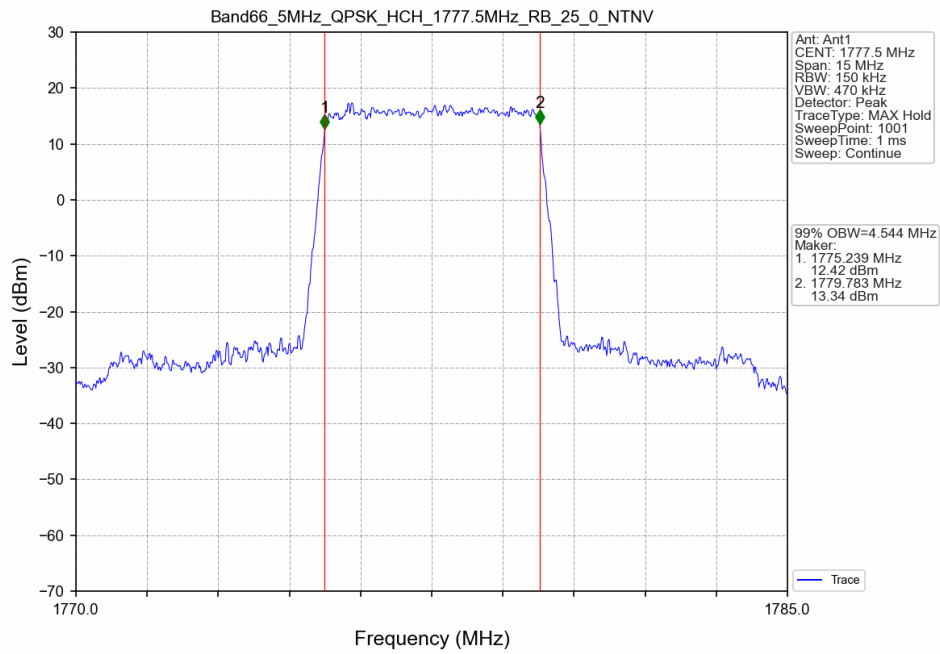
Band66\_5MHz\_QPSK\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



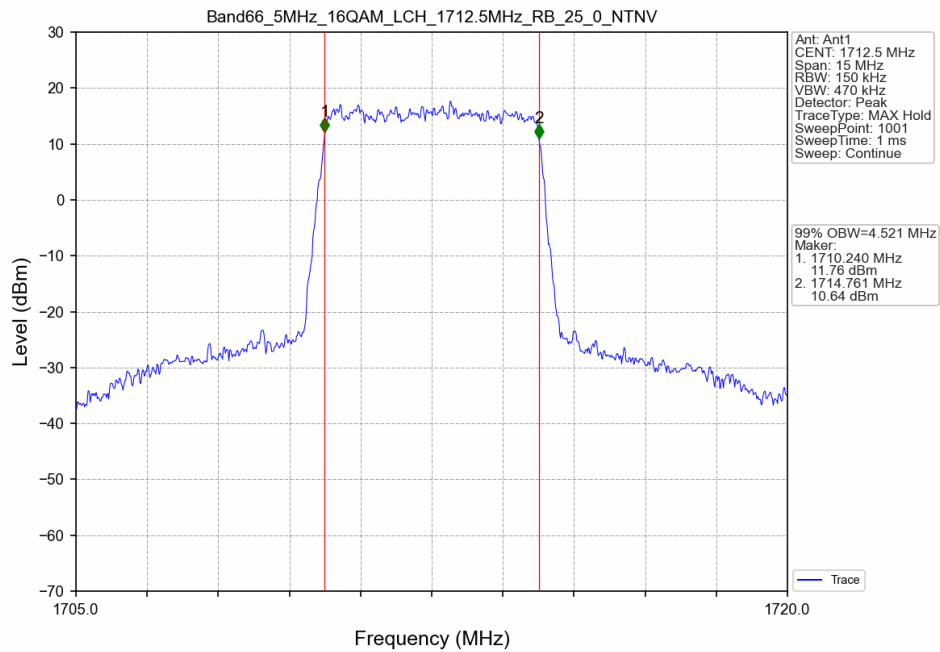
Band66\_5MHz\_QPSK\_MCH\_1745MHz\_RB\_25\_0\_NTNV



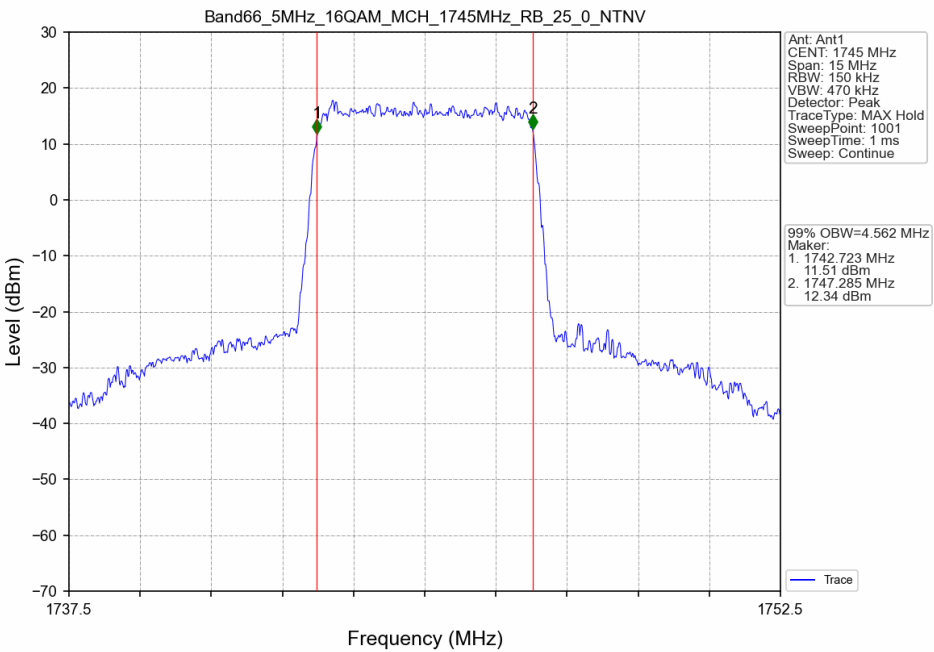
# Band66 5MHz QPSK HCH 1777.5MHz RB 25 0 NTNV



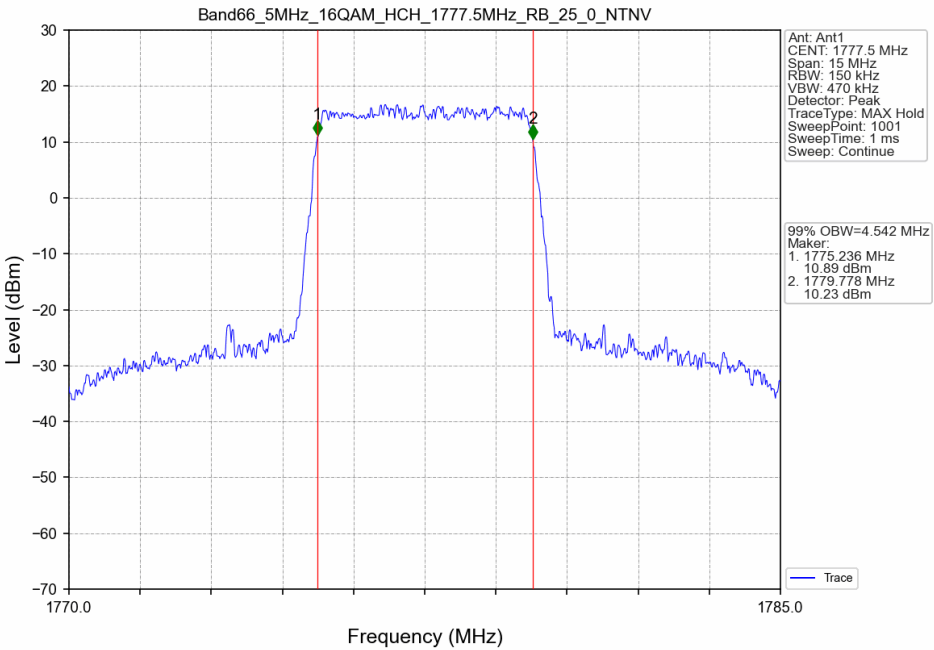
# Band66 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTNV



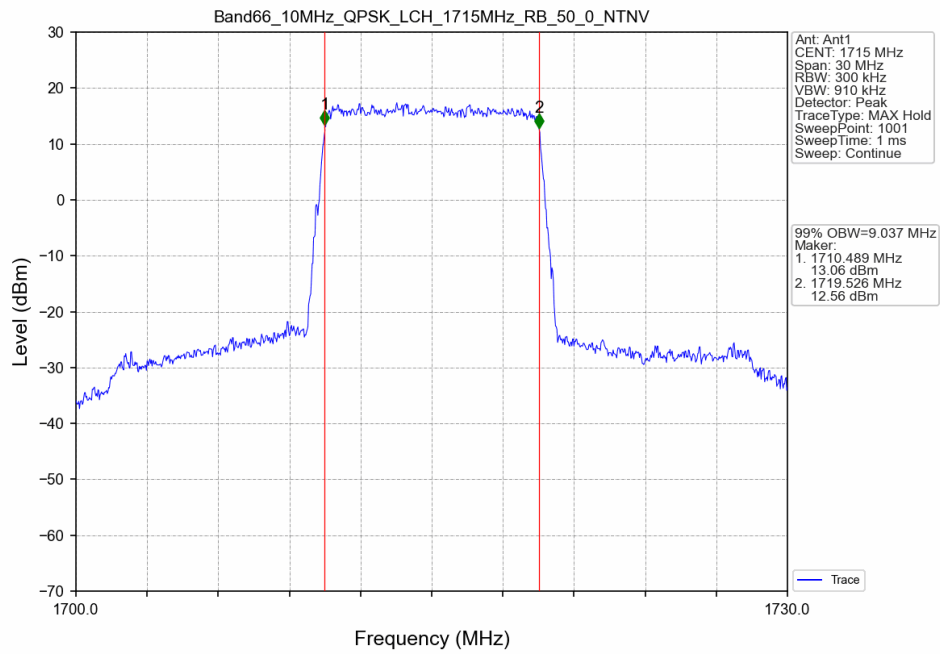
Band66\_5MHz\_16QAM\_MCH\_1745MHz\_RB\_25\_0\_NTNV



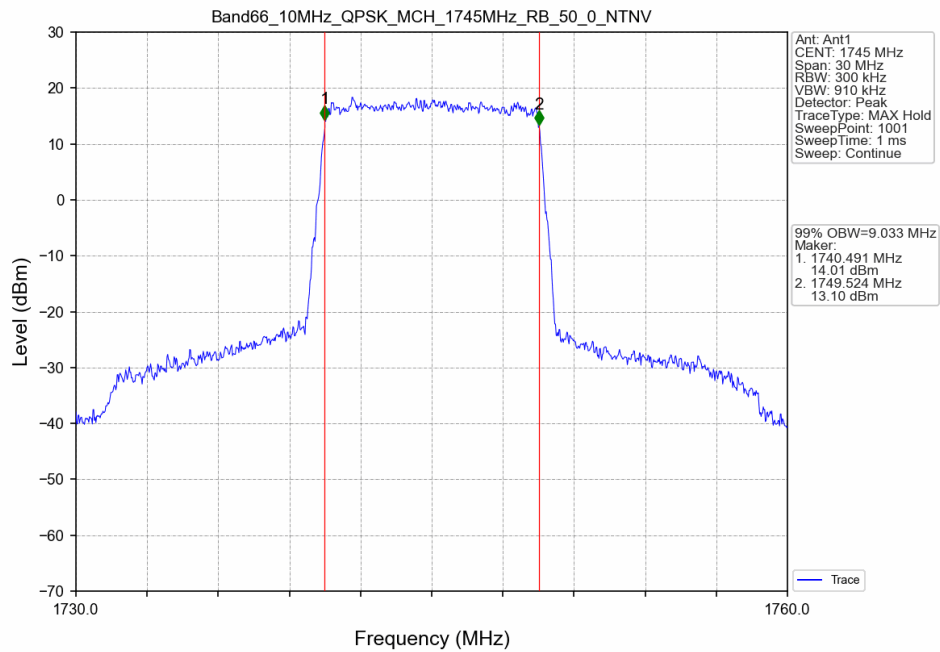
Band66\_5MHz\_16QAM\_HCH\_1777.5MHz\_RB\_25\_0\_NTNV



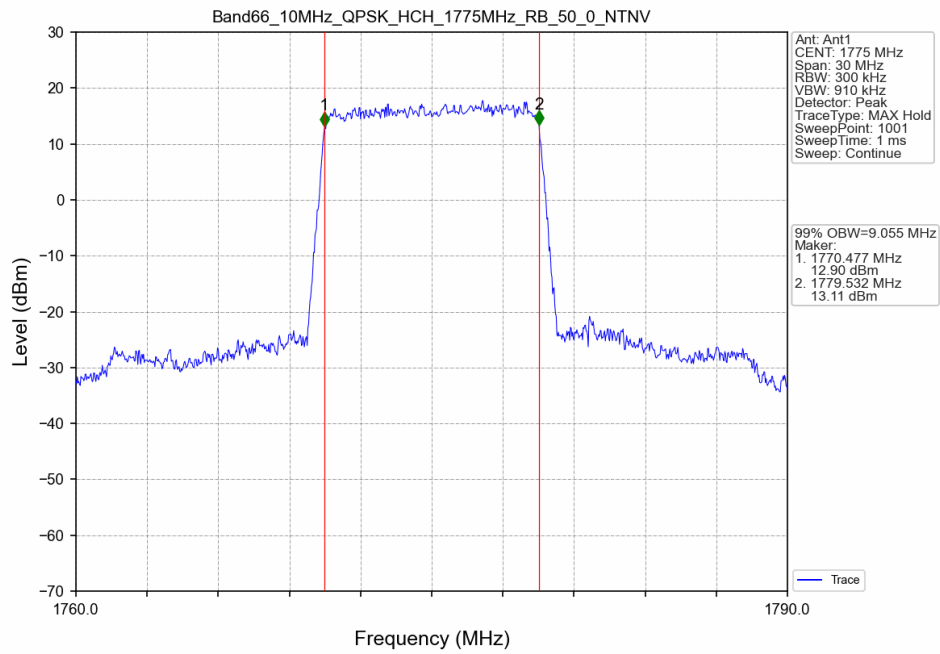
# Band66\_10MHz\_QPSK\_LCH\_1715MHz\_RB\_50\_0\_NTNV



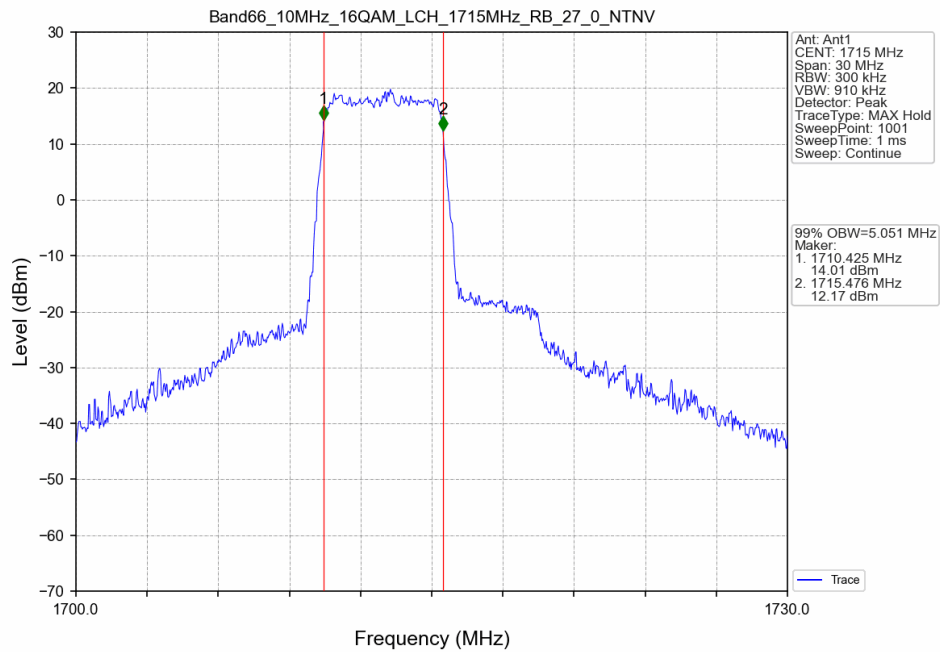
# Band66\_10MHz\_QPSK\_MCH\_1745MHz\_RB\_50\_0\_NTNV



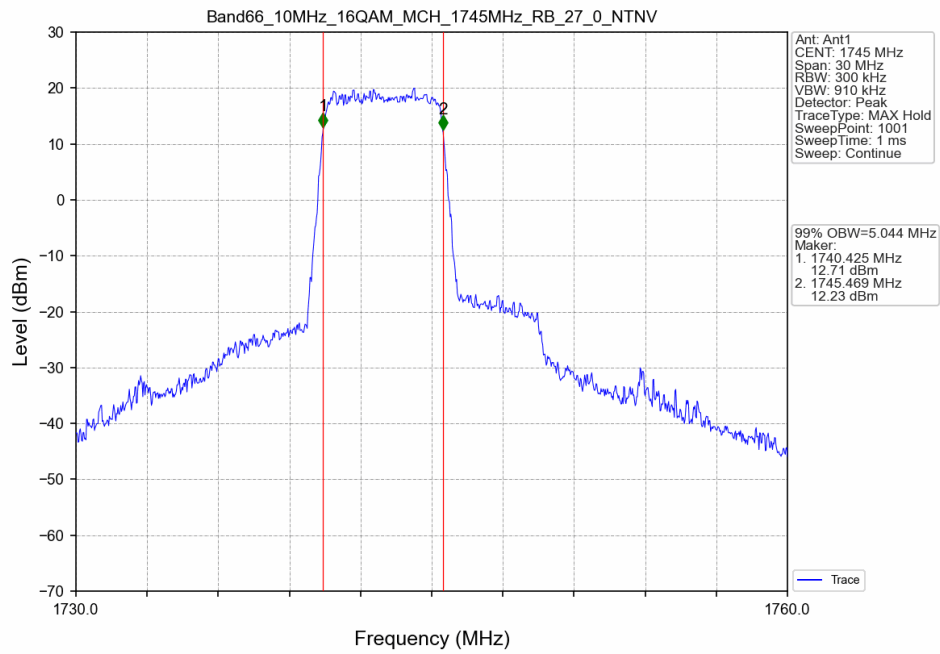
# Band66\_10MHz\_QPSK\_HCH\_1775MHz\_RB\_50\_0\_NTNV



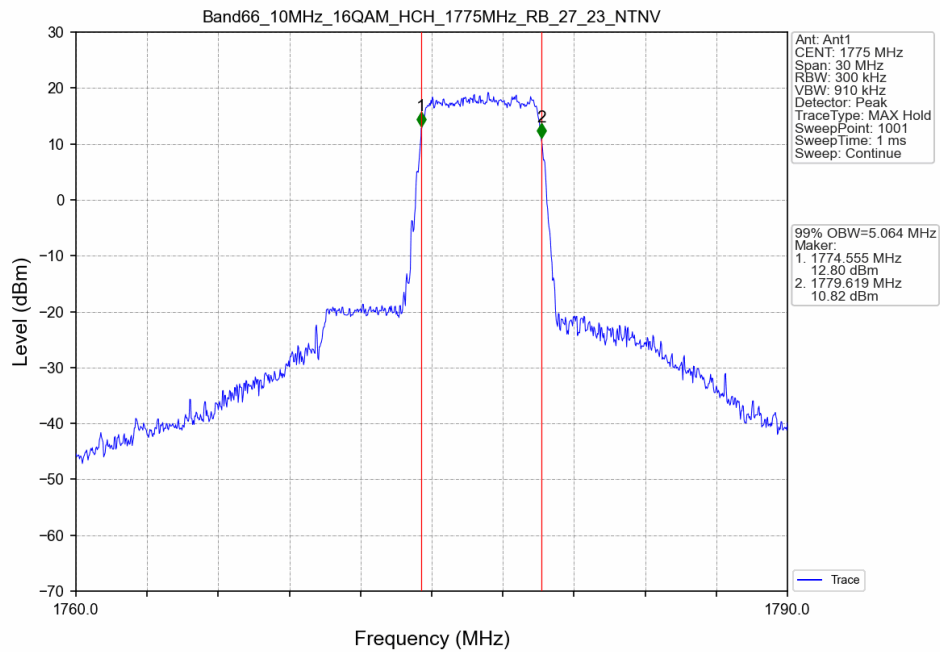
# Band66\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_27\_0\_NTNV



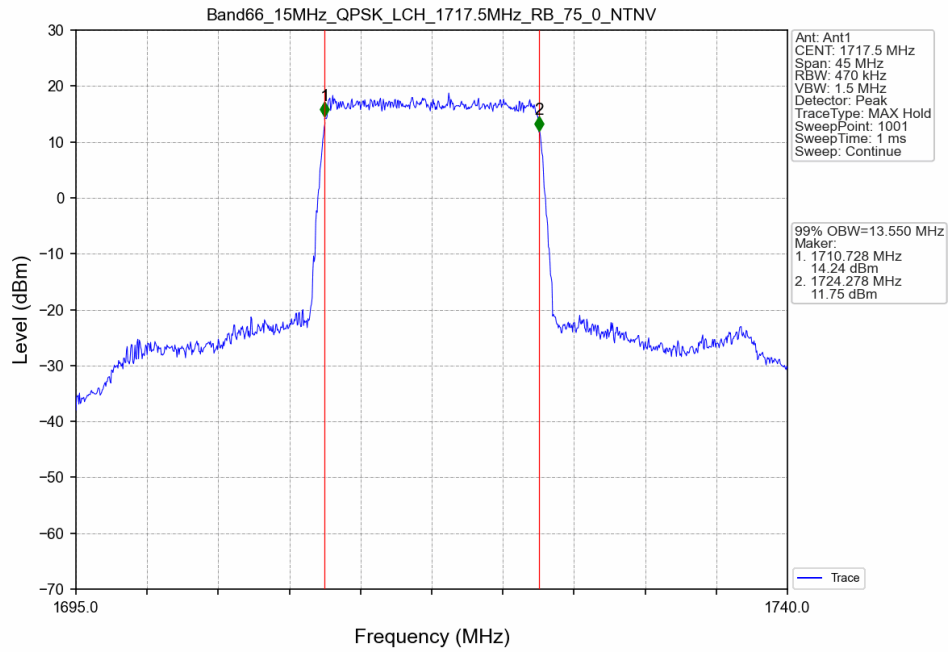
Band66 10MHz 16QAM MCH 1745MHz RB 27 0 NTNV



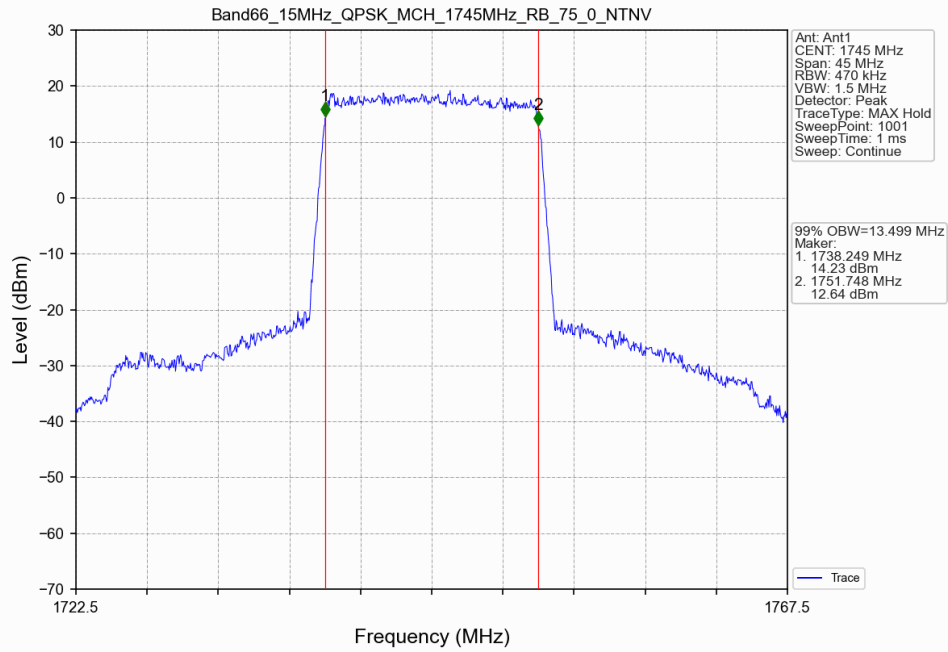
Band66\_10MHz\_16QAM\_HCH\_1775MHz\_RB\_27\_23\_NTNV



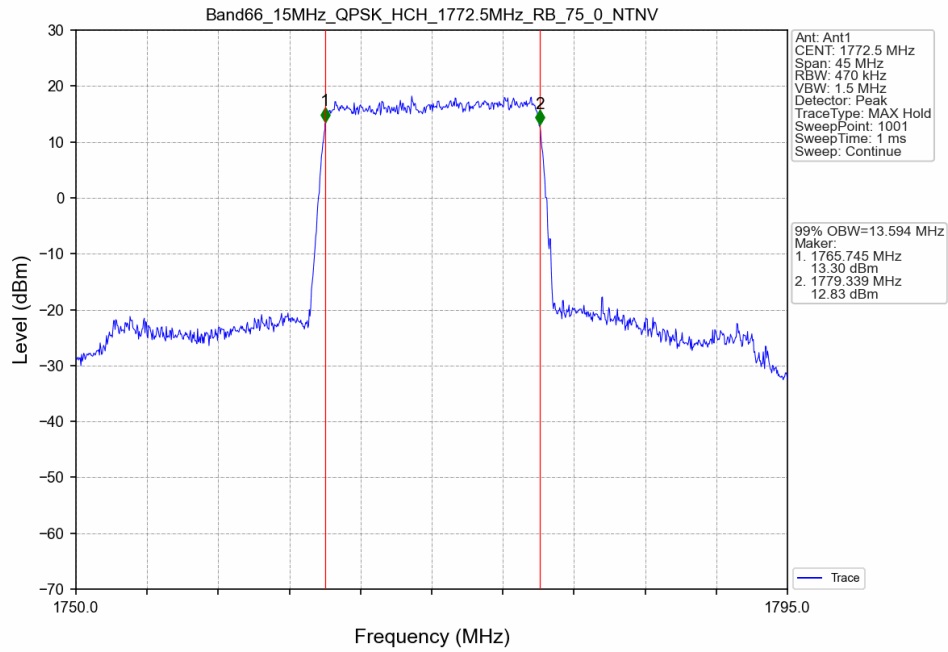
Band66 15MHz QPSK LCH 1717.5MHz RB 75 0 NTV



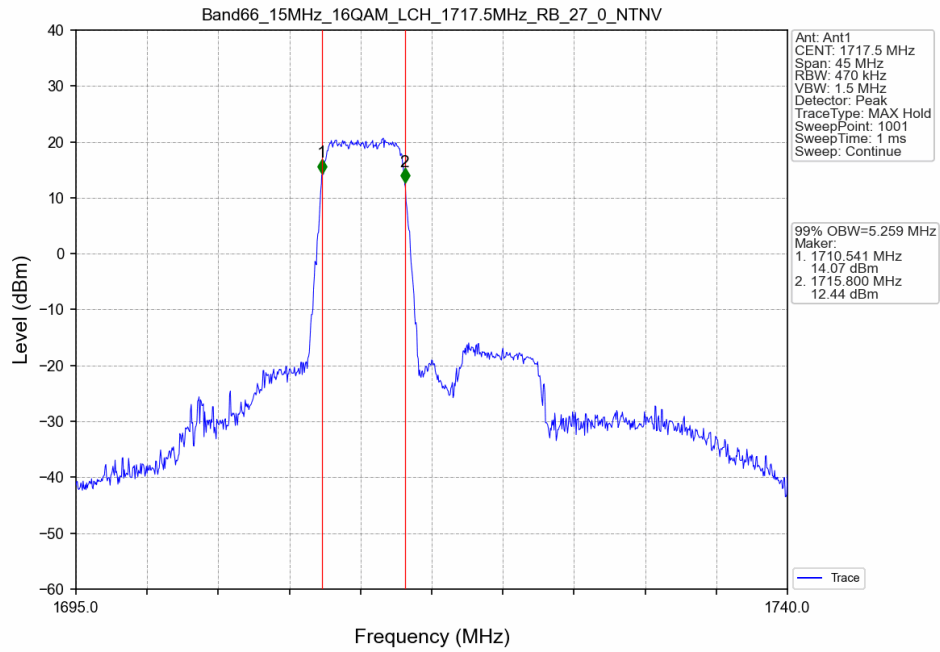
Band66 15MHz QPSK MCH 1745MHz RB 75 0 NTV



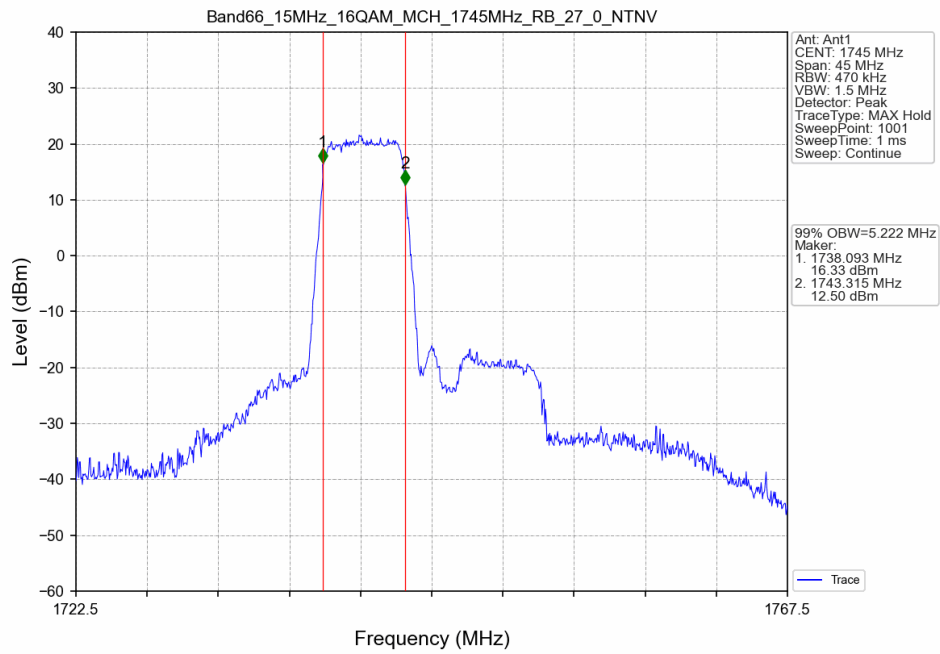
Band66 15MHz QPSK HCH 1772.5MHz RB 75 0 NTNV



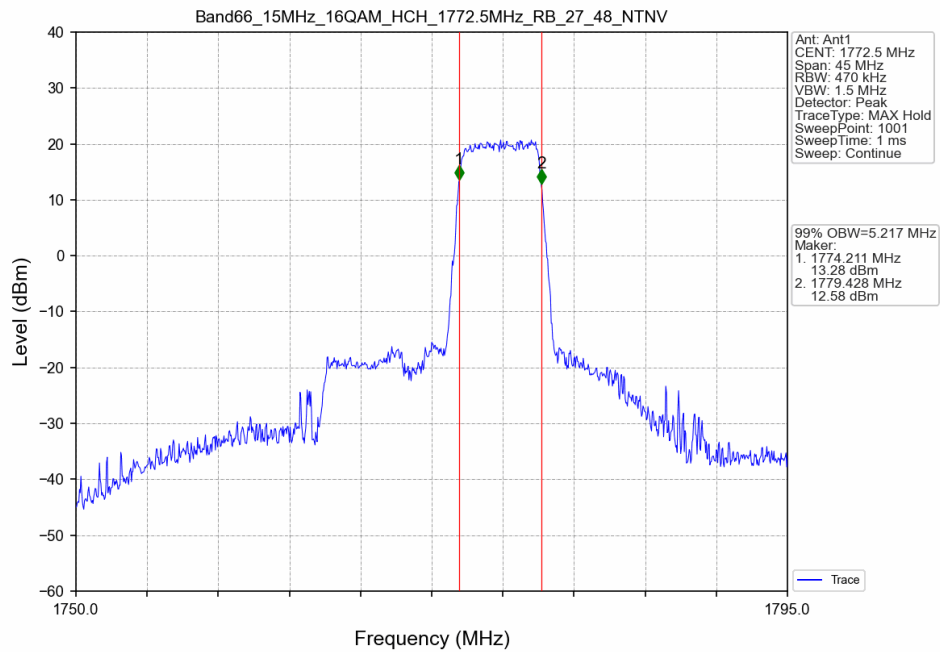
Band66 15MHz 16QAM LCH 1717.5MHz RB 27 0 NTNV



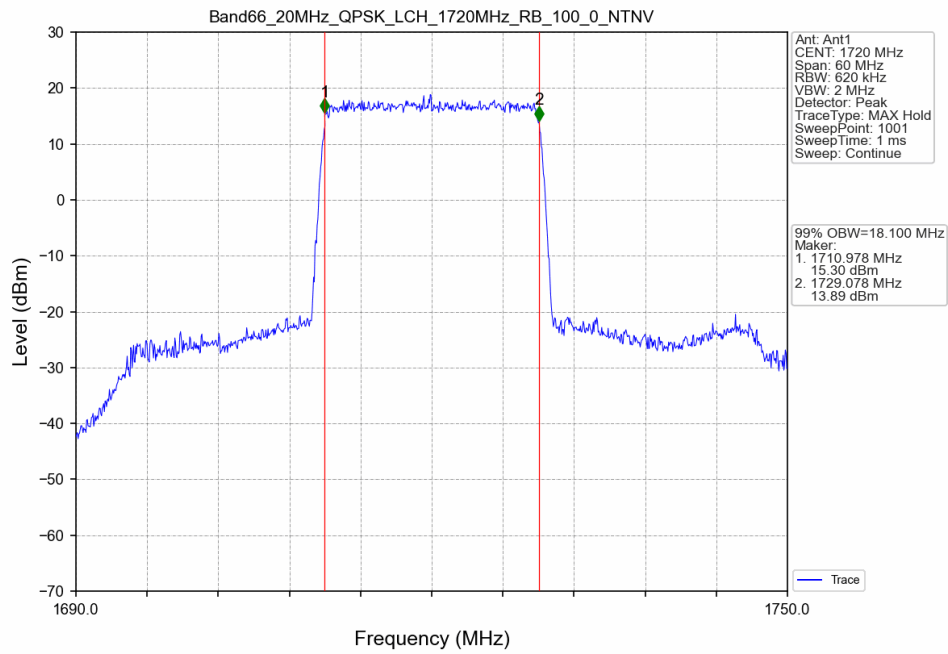
Band66 15MHz 16QAM MCH 1745MHz RB 27 0 NTNV



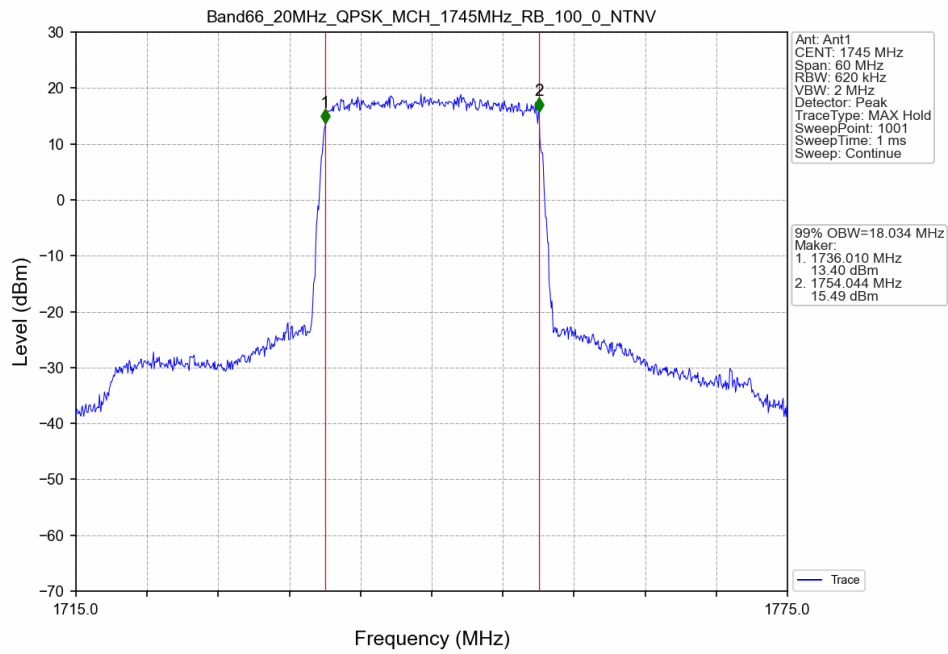
Band66 15MHz 16QAM HCH 1772.5MHz RB 27 48 NTNV



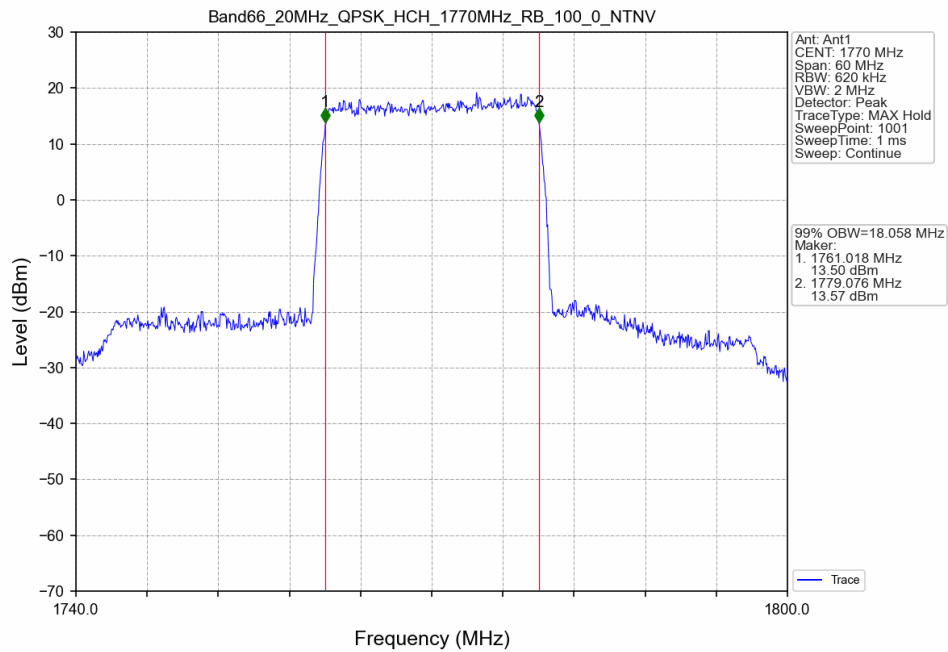
Band66 20MHz QPSK LCH 1720MHz RB 100 0 NTNV



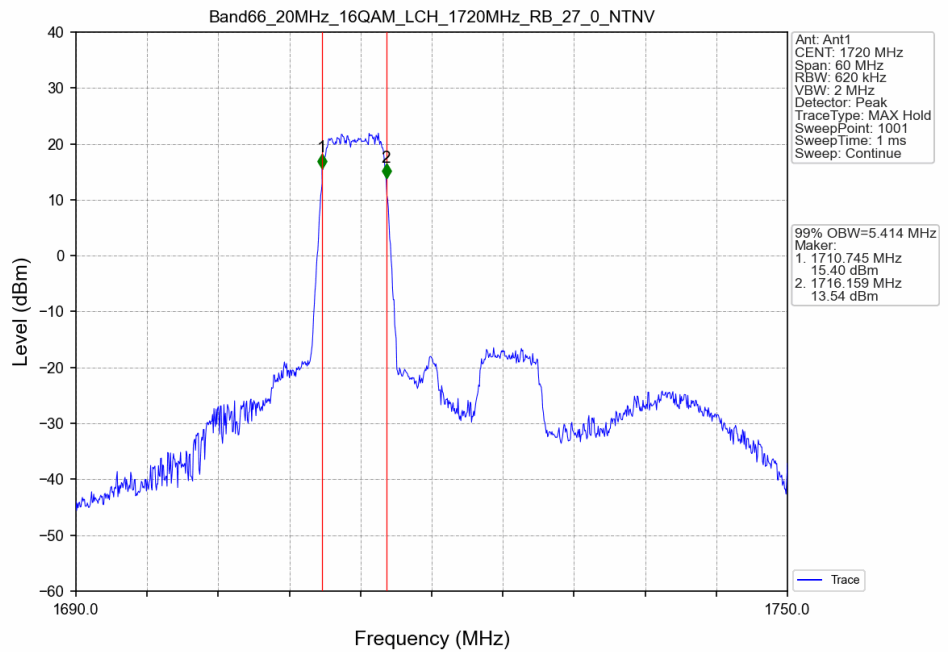
Band66 20MHz QPSK MCH 1745MHz RB 100 0 NTNV



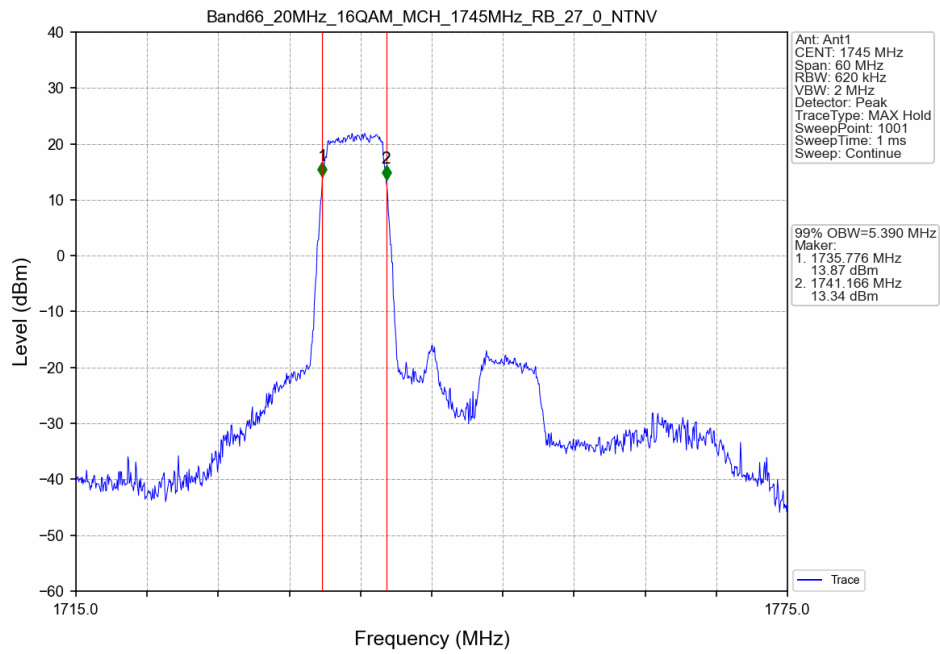
Band66 20MHz QPSK HCH 1770MHz RB 100 0 NTNV



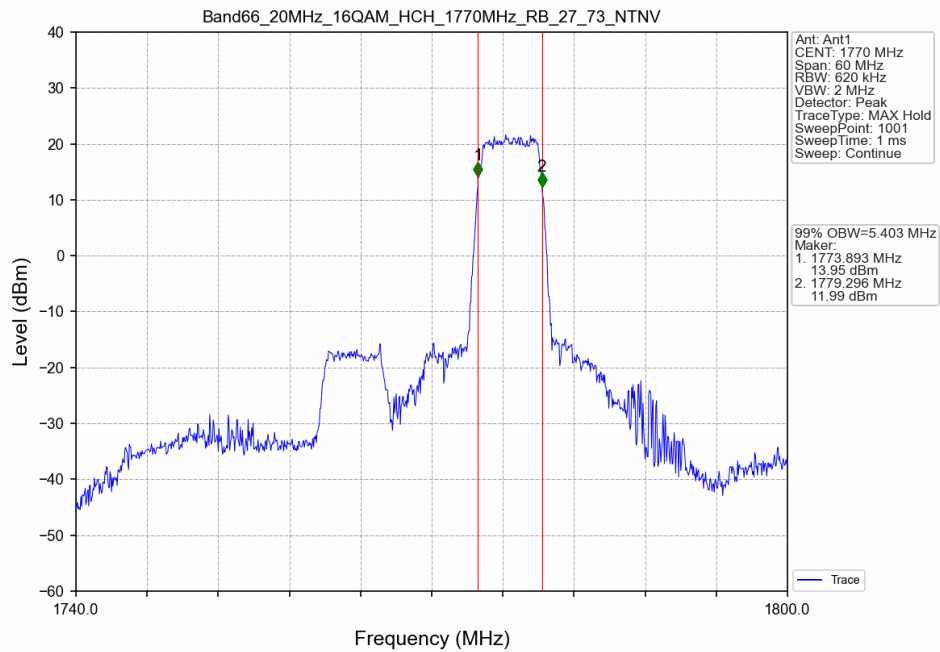
Band66 20MHz 16QAM LCH 1720MHz RB 27 0 NTNV



# Band66 20MHz 16QAM MCH 1745MHz RB 27 0 NTN



# Band66 20MHz 16QAM HCH 1770MHz RB 27 73 NTN

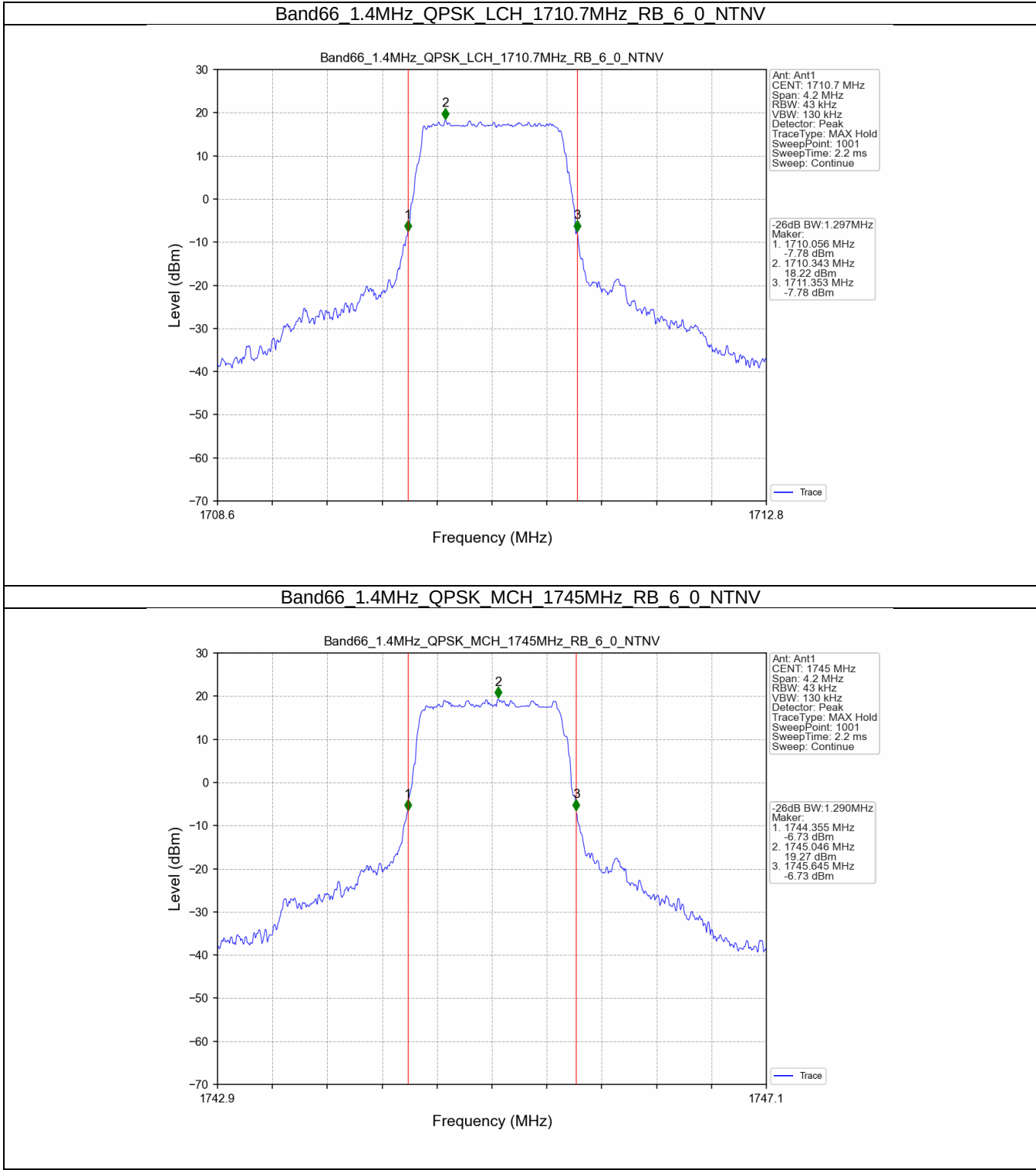


## 12.2 Band66\_XDB

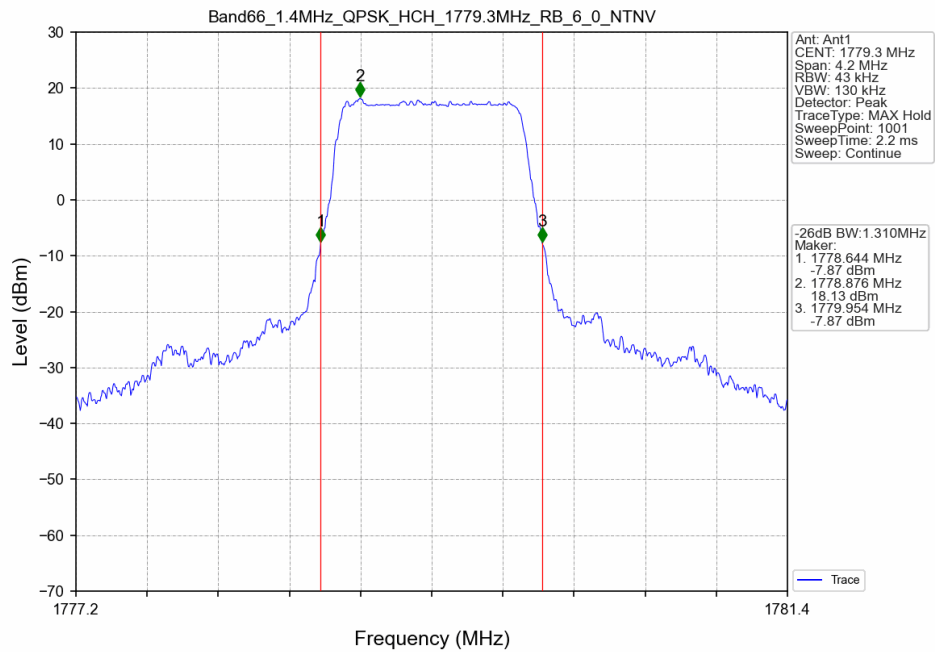
### 12.2.1 Test Result

| Band: 66 / NTNV |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 1.4             | QPSK       | 1710.7          | 6             | 0      | 1.297                | /     | Pass    |
|                 |            | 1745            | 6             | 0      | 1.290                | /     | Pass    |
|                 |            | 1779.3          | 6             | 0      | 1.310                | /     | Pass    |
|                 | 16QAM      | 1710.7          | 6             | 0      | 1.286                | /     | Pass    |
|                 |            | 1745            | 6             | 0      | 1.309                | /     | Pass    |
|                 |            | 1779.3          | 6             | 0      | 1.303                | /     | Pass    |
| 3               | QPSK       | 1711.5          | 15            | 0      | 3.034                | /     | Pass    |
|                 |            | 1745            | 15            | 0      | 3.021                | /     | Pass    |
|                 |            | 1778.5          | 15            | 0      | 3.014                | /     | Pass    |
|                 | 16QAM      | 1711.5          | 15            | 0      | 2.997                | /     | Pass    |
|                 |            | 1745            | 15            | 0      | 3.022                | /     | Pass    |
|                 |            | 1778.5          | 15            | 0      | 3.030                | /     | Pass    |
| 5               | QPSK       | 1712.5          | 25            | 0      | 5.053                | /     | Pass    |
|                 |            | 1745            | 25            | 0      | 5.070                | /     | Pass    |
|                 |            | 1777.5          | 25            | 0      | 5.042                | /     | Pass    |
|                 | 16QAM      | 1712.5          | 25            | 0      | 5.002                | /     | Pass    |
|                 |            | 1745            | 25            | 0      | 5.026                | /     | Pass    |
|                 |            | 1777.5          | 25            | 0      | 5.074                | /     | Pass    |
| 10              | QPSK       | 1715            | 50            | 0      | 9.947                | /     | Pass    |
|                 |            | 1745            | 50            | 0      | 9.950                | /     | Pass    |
|                 |            | 1775            | 50            | 0      | 9.885                | /     | Pass    |
|                 | 16QAM      | 1715            | 27            | 0      | 5.856                | /     | Pass    |
|                 |            | 1745            | 27            | 0      | 5.800                | /     | Pass    |
|                 |            | 1775            | 27            | 23     | 5.882                | /     | Pass    |
| 15              | QPSK       | 1717.5          | 75            | 0      | 14.730               | /     | Pass    |
|                 |            | 1745            | 75            | 0      | 14.754               | /     | Pass    |
|                 |            | 1772.5          | 75            | 0      | 14.878               | /     | Pass    |
|                 | 16QAM      | 1717.5          | 27            | 0      | 6.272                | /     | Pass    |
|                 |            | 1745            | 27            | 0      | 6.229                | /     | Pass    |
|                 |            | 1772.5          | 27            | 48     | 6.221                | /     | Pass    |
| 20              | QPSK       | 1720            | 100           | 0      | 19.489               | /     | Pass    |
|                 |            | 1745            | 100           | 0      | 19.531               | /     | Pass    |
|                 |            | 1770            | 100           | 0      | 19.507               | /     | Pass    |
|                 | 16QAM      | 1720            | 27            | 0      | 6.444                | /     | Pass    |
|                 |            | 1745            | 27            | 0      | 6.516                | /     | Pass    |
|                 |            | 1770            | 27            | 73     | 6.428                | /     | Pass    |

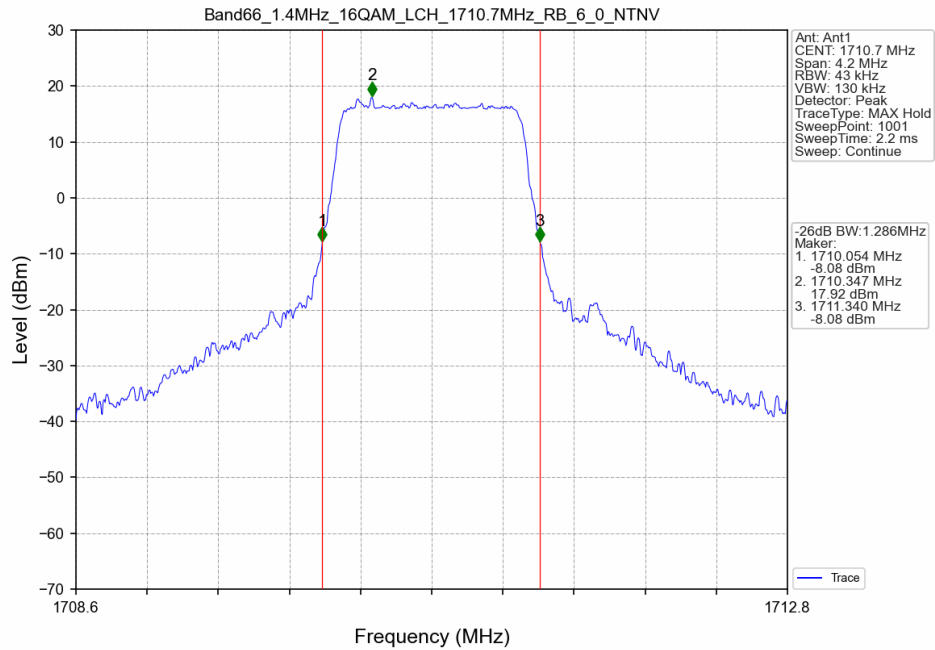
# 12.2.2 Test Graph



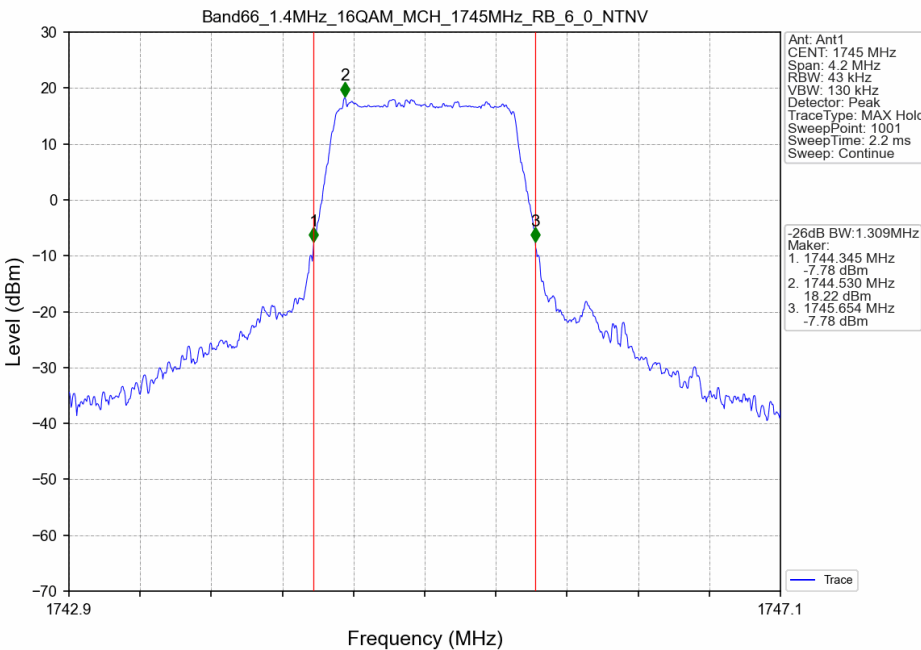
Band66 1.4MHz QPSK HCH 1779.3MHz RB 6 0 NTV



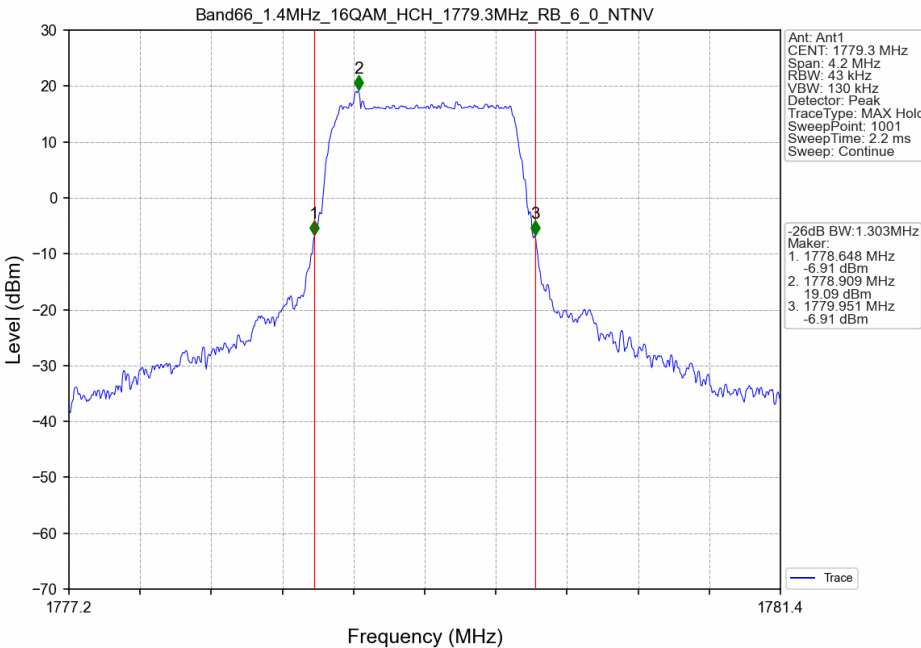
Band66 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTV



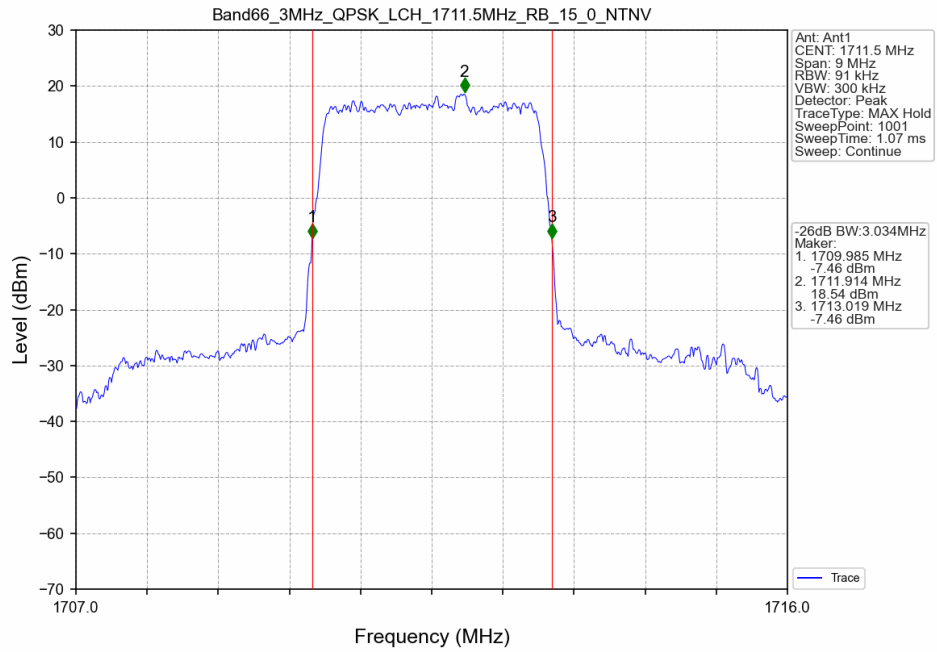
Band66 1.4MHz 16QAM MCH 1745MHz RB 6 0 NTV



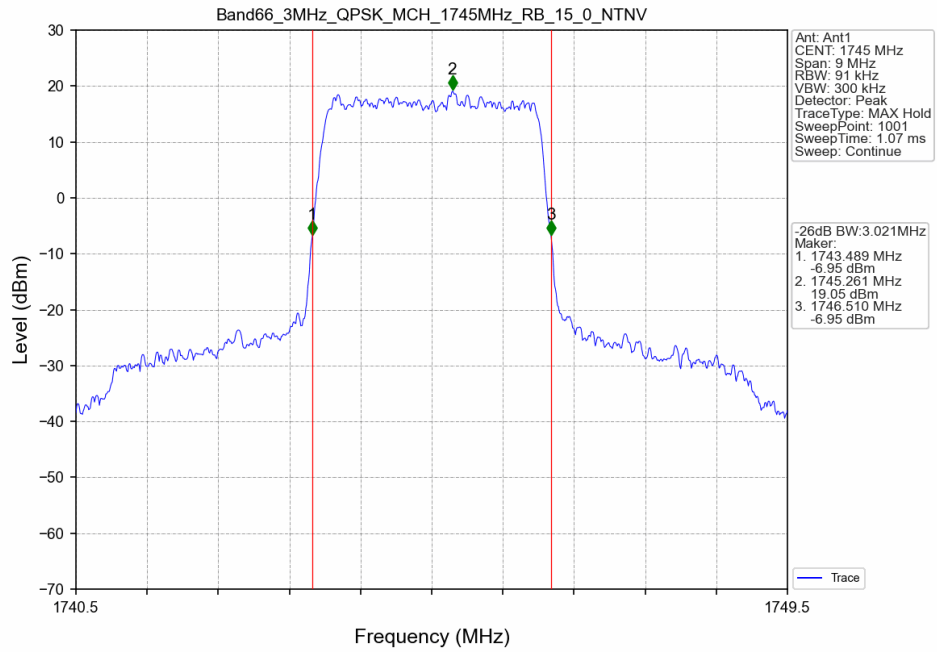
Band66 1.4MHz 16QAM HCH 1779.3MHz RB 6 0 NTV



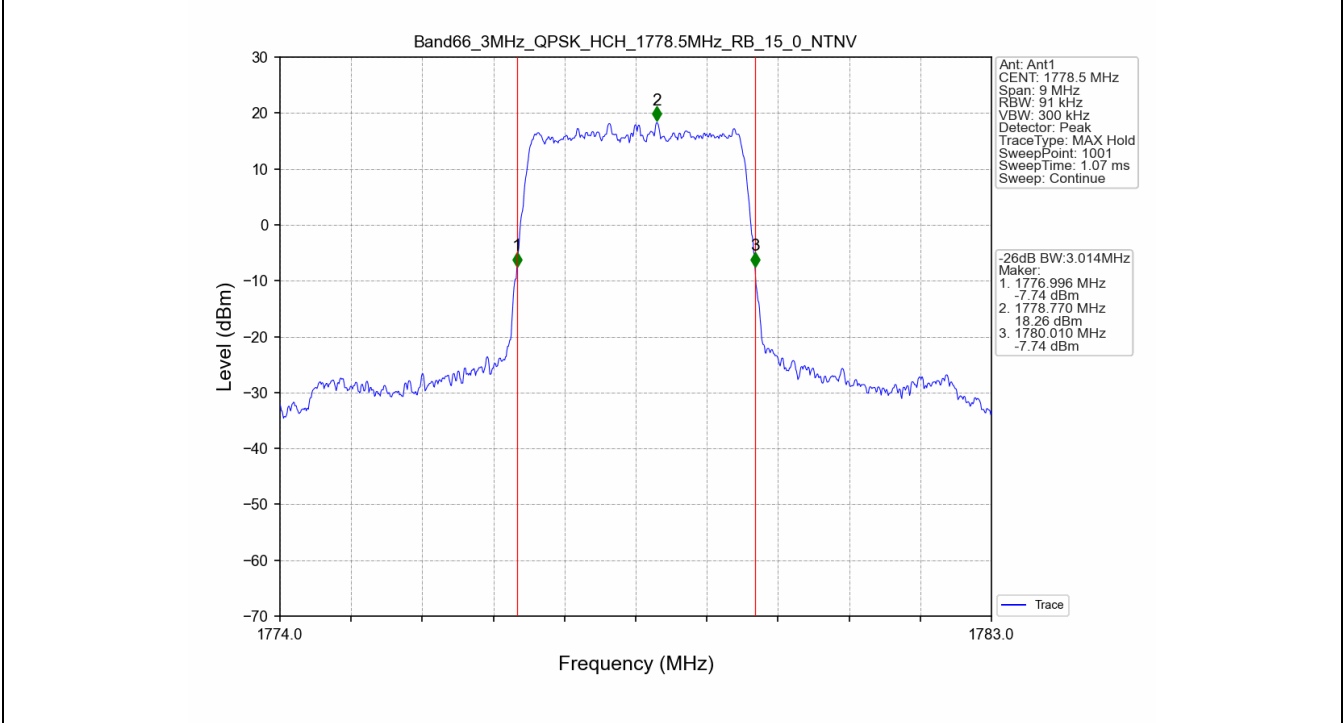
Band66\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



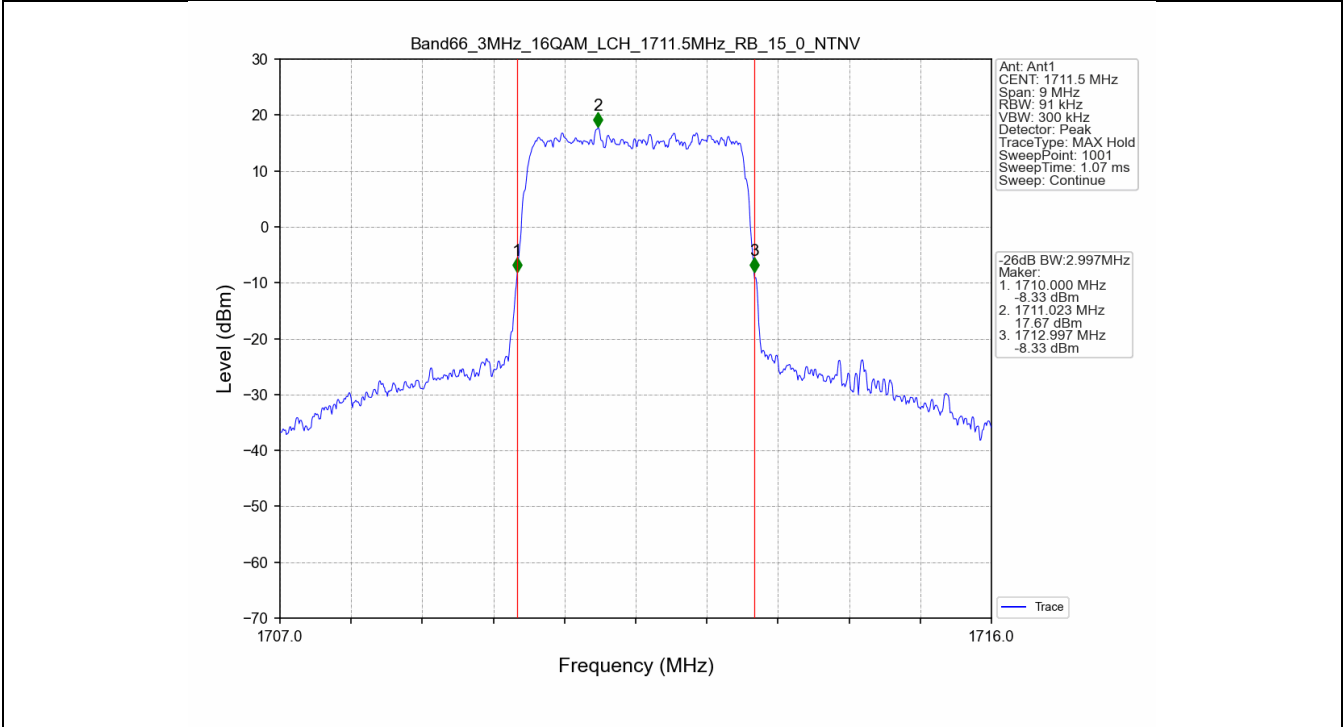
Band66\_3MHz\_QPSK\_MCH\_1745MHz\_RB\_15\_0\_NTNV



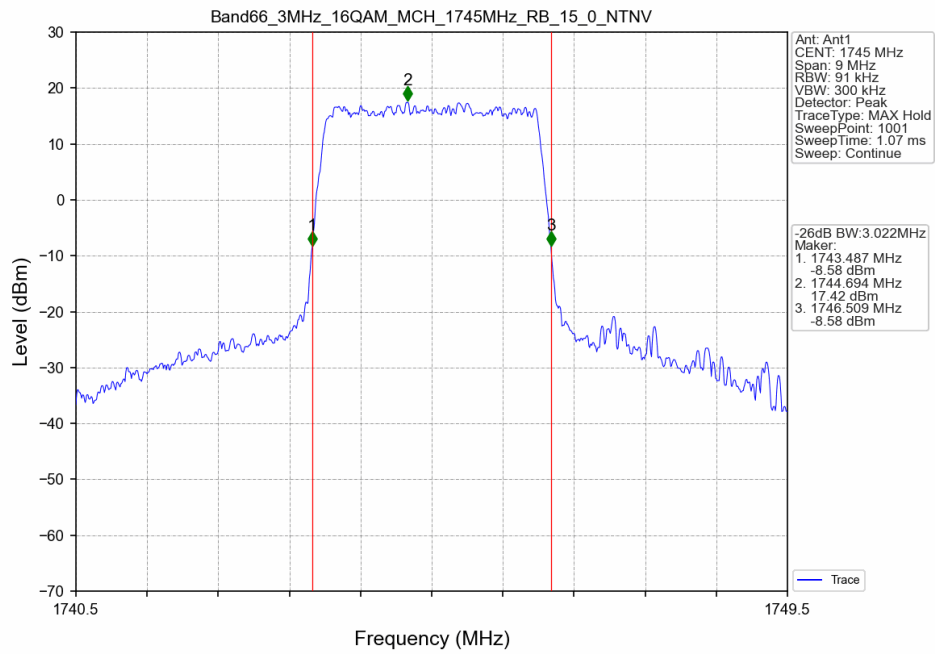
|                                             |
|---------------------------------------------|
| Band66 3MHz QPSK HCH 1778.5MHz RB 15 0 NTNV |
|---------------------------------------------|



|        |      |       |     |           |    |    |   |      |
|--------|------|-------|-----|-----------|----|----|---|------|
| Band66 | 3MHz | 16QAM | LCH | 1711.5MHz | RB | 15 | 0 | NTNV |
|--------|------|-------|-----|-----------|----|----|---|------|



# Band66\_3MHz\_16QAM\_MCH\_1745MHz\_RB\_15\_0\_NTNV



# Band66\_3MHz\_16QAM\_HCH\_1778.5MHz\_RB\_15\_0\_NTNV

