

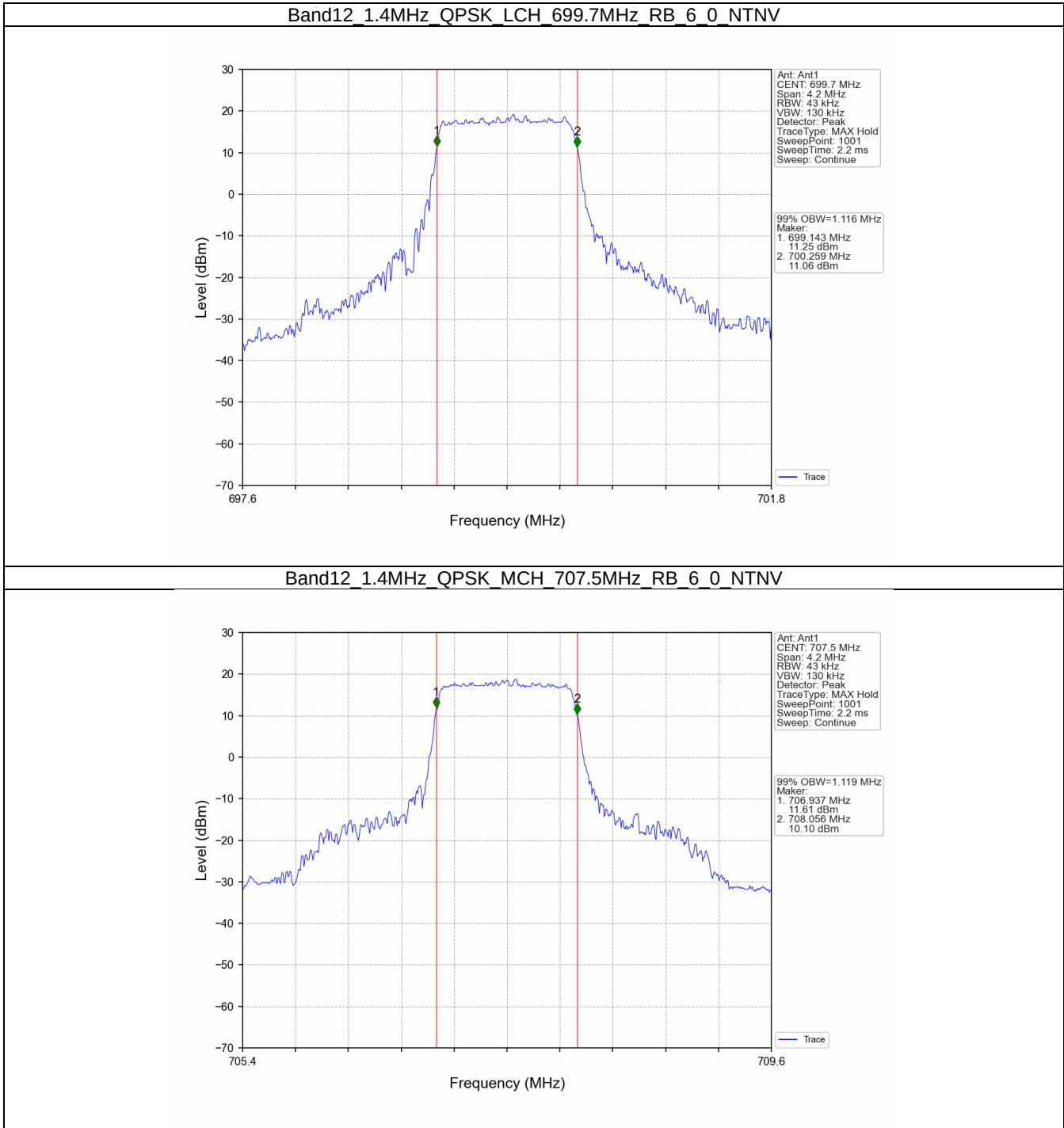
## 1. 99% & 26dB Bandwidth

### 1.1 Band12\_OBW

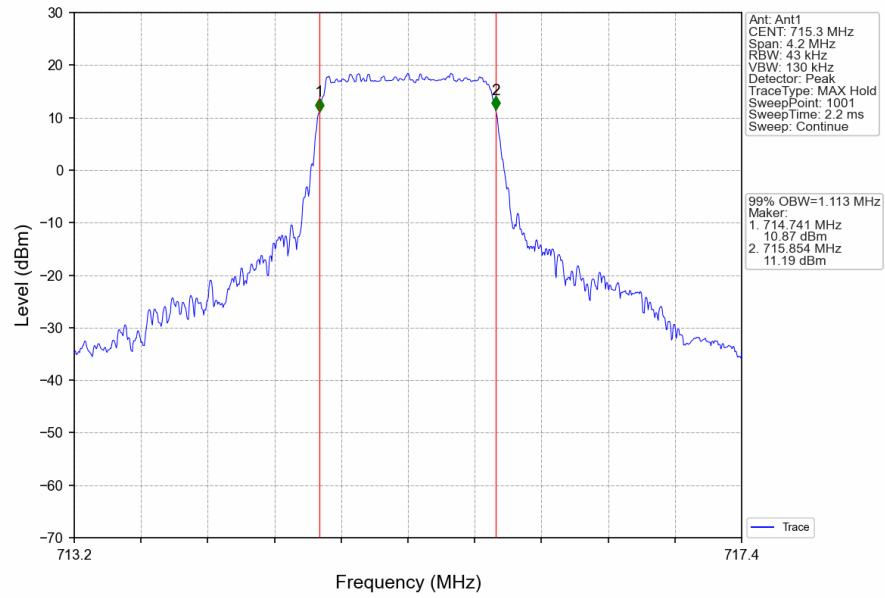
#### 1.1.1 Test Result

| Band: 12 / NTNV |            |                 |               |        |                              |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) | Verdict |
|                 |            |                 | Size          | Offset | Result                       |         |
| 1.4             | QPSK       | 699.7           | 6             | 0      | 1.116                        | Pass    |
|                 |            | 707.5           | 6             | 0      | 1.119                        | Pass    |
|                 |            | 715.3           | 6             | 0      | 1.113                        | Pass    |
|                 | 16QAM      | 699.7           | 6             | 0      | 1.108                        | Pass    |
|                 |            | 707.5           | 6             | 0      | 1.109                        | Pass    |
|                 |            | 715.3           | 6             | 0      | 1.121                        | Pass    |
| 3               | QPSK       | 700.5           | 15            | 0      | 2.764                        | Pass    |
|                 |            | 707.5           | 15            | 0      | 2.767                        | Pass    |
|                 |            | 714.5           | 15            | 0      | 2.761                        | Pass    |
|                 | 16QAM      | 700.5           | 15            | 0      | 2.743                        | Pass    |
|                 |            | 707.5           | 15            | 0      | 2.769                        | Pass    |
|                 |            | 714.5           | 15            | 0      | 2.788                        | Pass    |
| 5               | QPSK       | 701.5           | 25            | 0      | 4.554                        | Pass    |
|                 |            | 707.5           | 25            | 0      | 4.614                        | Pass    |
|                 |            | 713.5           | 25            | 0      | 4.558                        | Pass    |
|                 | 16QAM      | 701.5           | 25            | 0      | 4.568                        | Pass    |
|                 |            | 707.5           | 25            | 0      | 4.598                        | Pass    |
|                 |            | 713.5           | 25            | 0      | 4.602                        | Pass    |
| 10              | QPSK       | 704             | 50            | 0      | 9.040                        | Pass    |
|                 |            | 707.5           | 50            | 0      | 9.080                        | Pass    |
|                 |            | 711             | 50            | 0      | 9.111                        | Pass    |
|                 | 16QAM      | 704             | 50            | 0      | 9.066                        | Pass    |
|                 |            | 707.5           | 50            | 0      | 9.094                        | Pass    |
|                 |            | 711             | 50            | 0      | 9.089                        | Pass    |

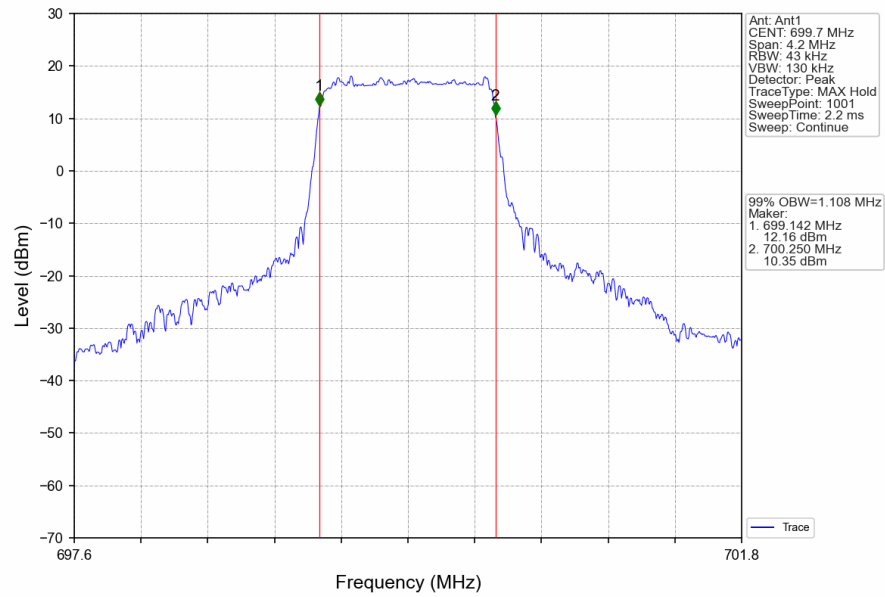
1.1.2 Test Graph



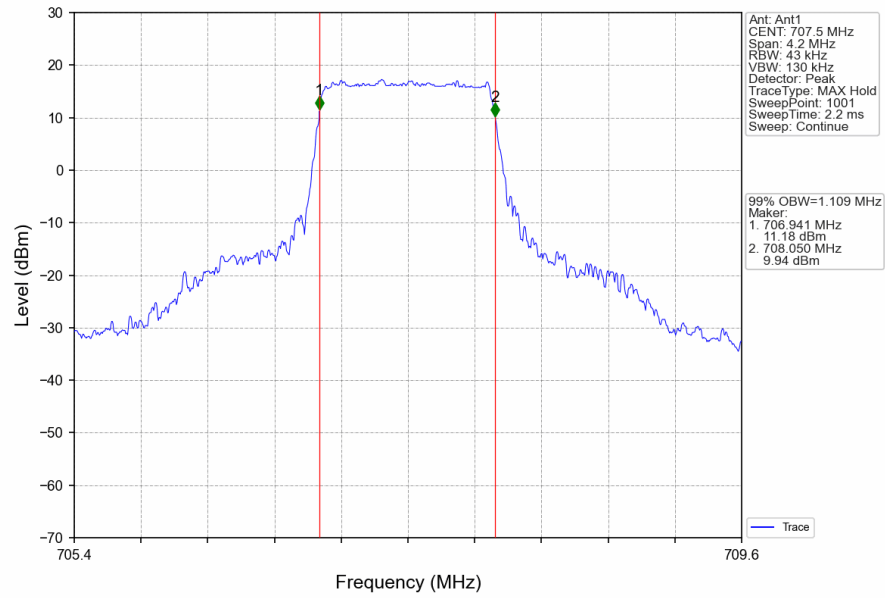
Band12\_1.4MHz\_QPSK\_HCH\_715.3MHz\_RB\_6\_0\_NTNV



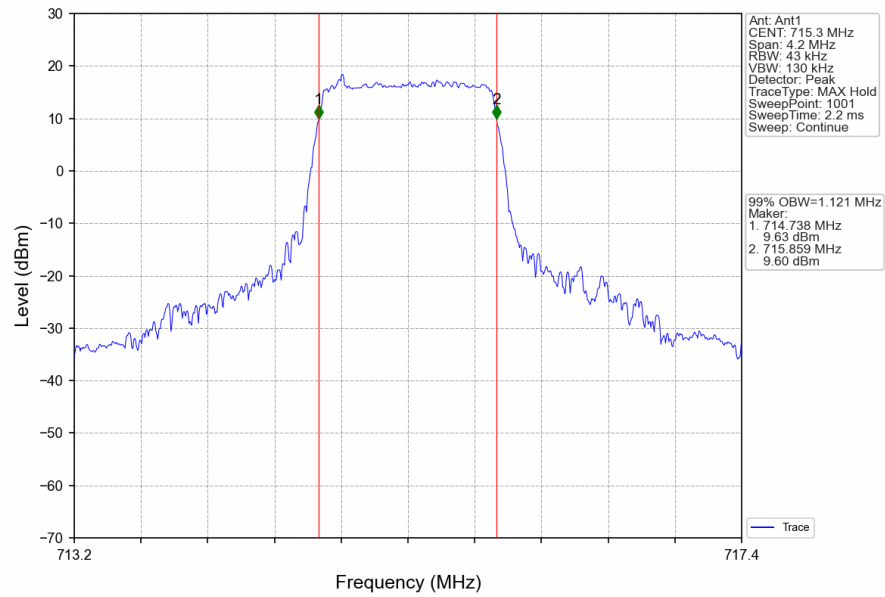
Band12\_1.4MHz\_16QAM\_LCH\_699.7MHz\_RB\_6\_0\_NTNV



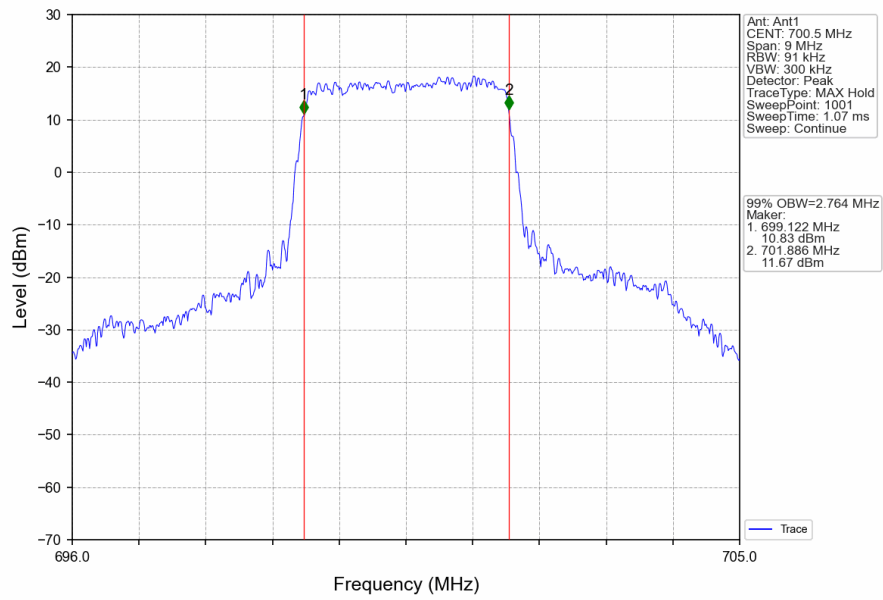
Band12\_1.4MHz\_16QAM\_MCH\_707.5MHz\_RB\_6\_0\_NTNV



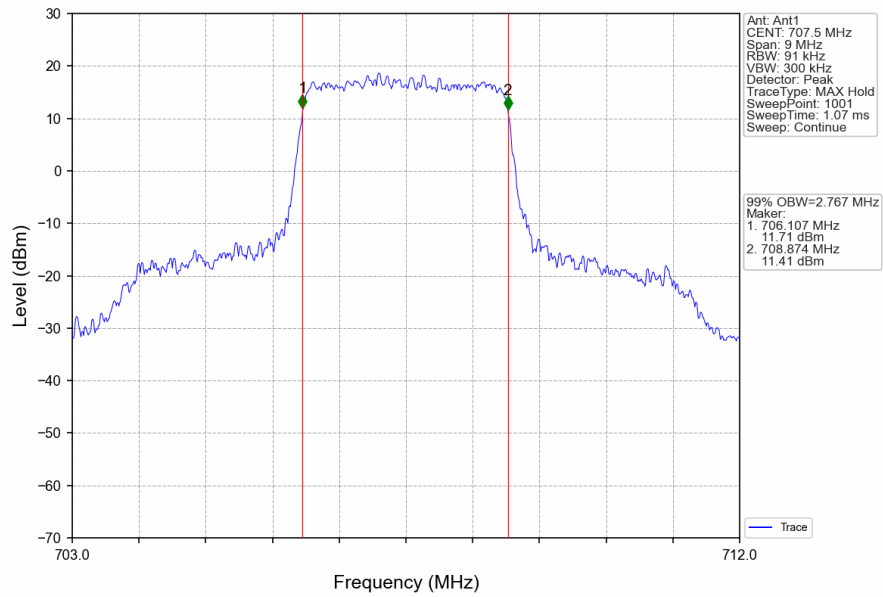
Band12\_1.4MHz\_16QAM\_HCH\_715.3MHz\_RB\_6\_0\_NTNV



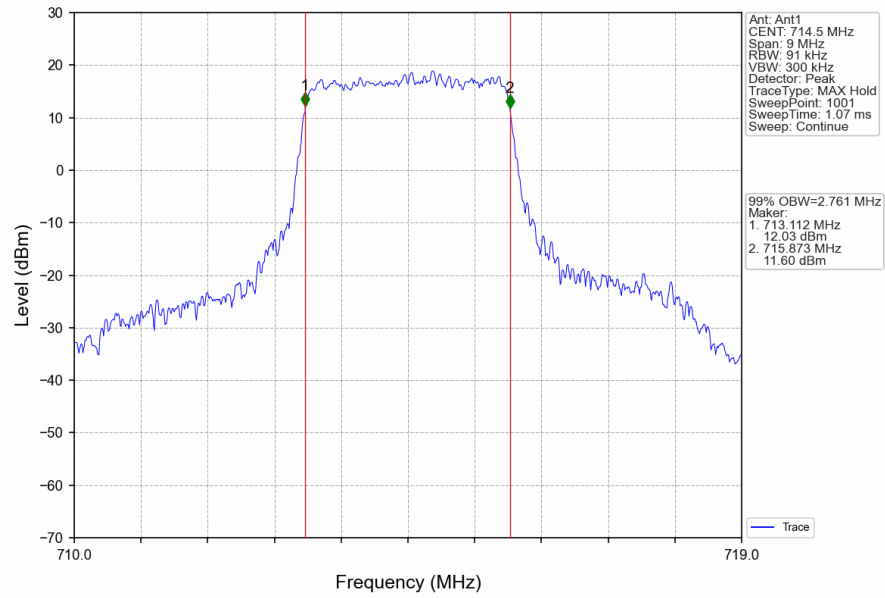
# Band12\_3MHz\_QPSK\_LCH\_700.5MHz\_RB\_15\_0\_NTNV



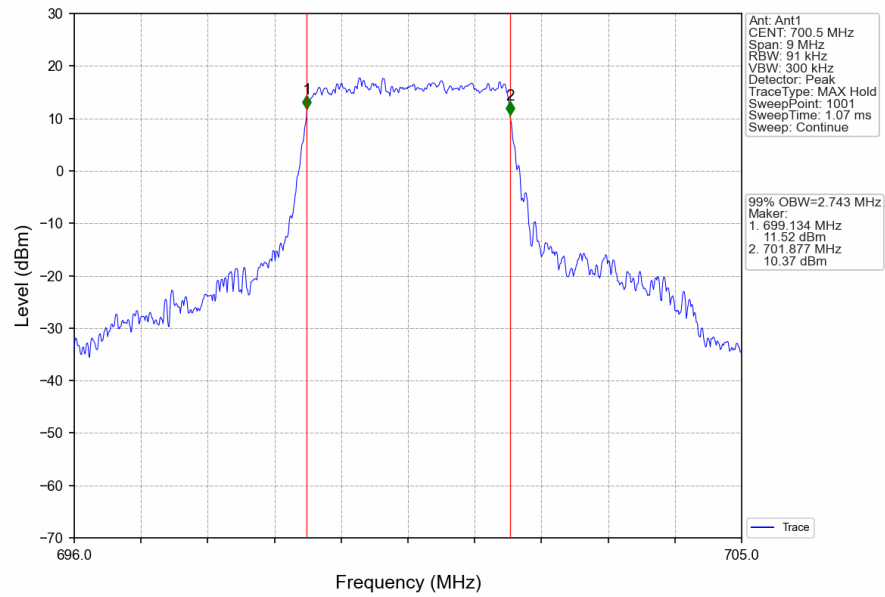
# Band12\_3MHz\_QPSK\_MCH\_707.5MHz\_RB\_15\_0\_NTNV



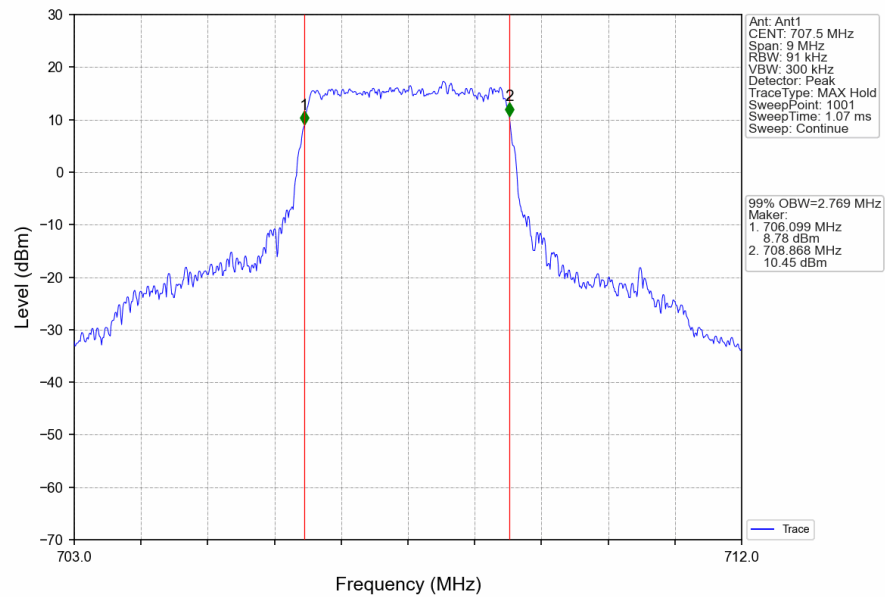
# Band12\_3MHz\_QPSK\_HCH\_714.5MHz\_RB\_15\_0\_NTNV



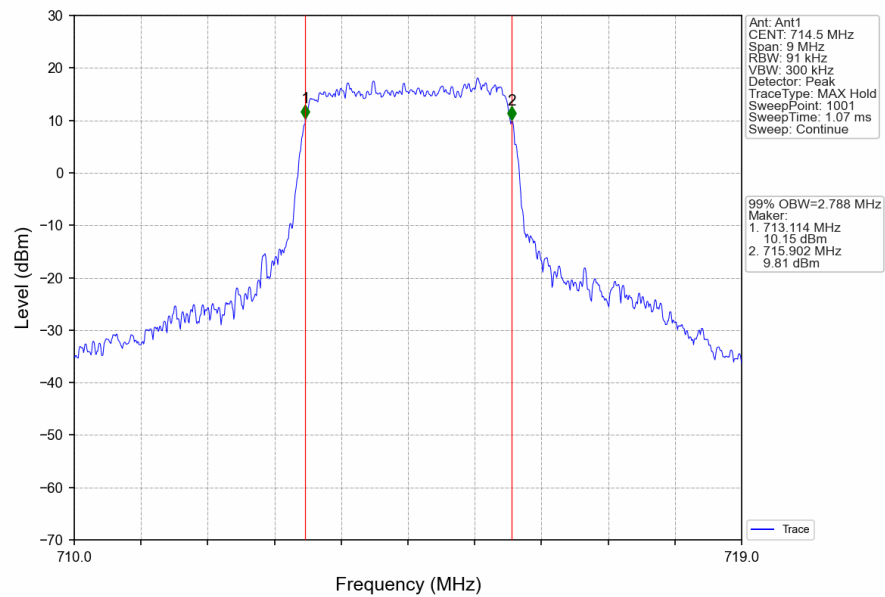
# Band12\_3MHz\_16QAM\_LCH\_700.5MHz\_RB\_15\_0\_NTNV



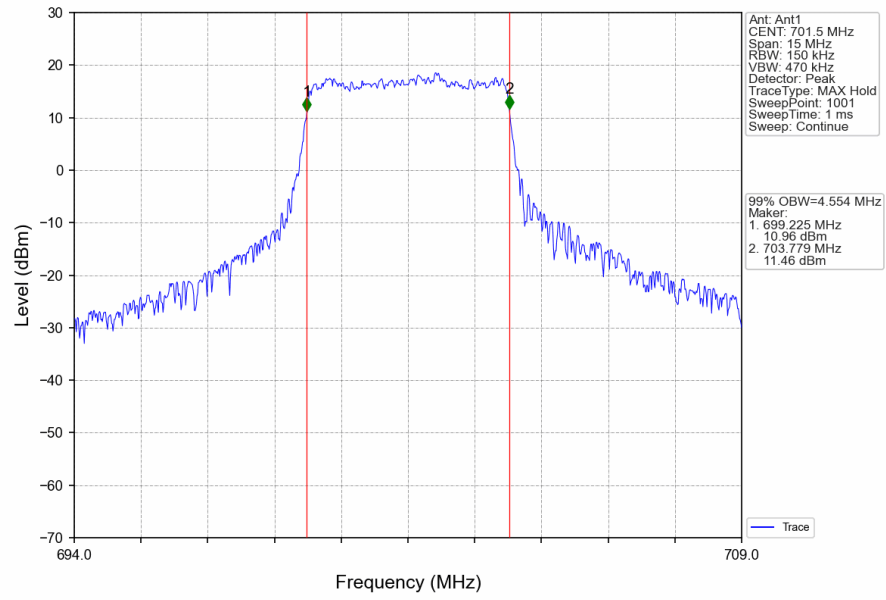
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTNV



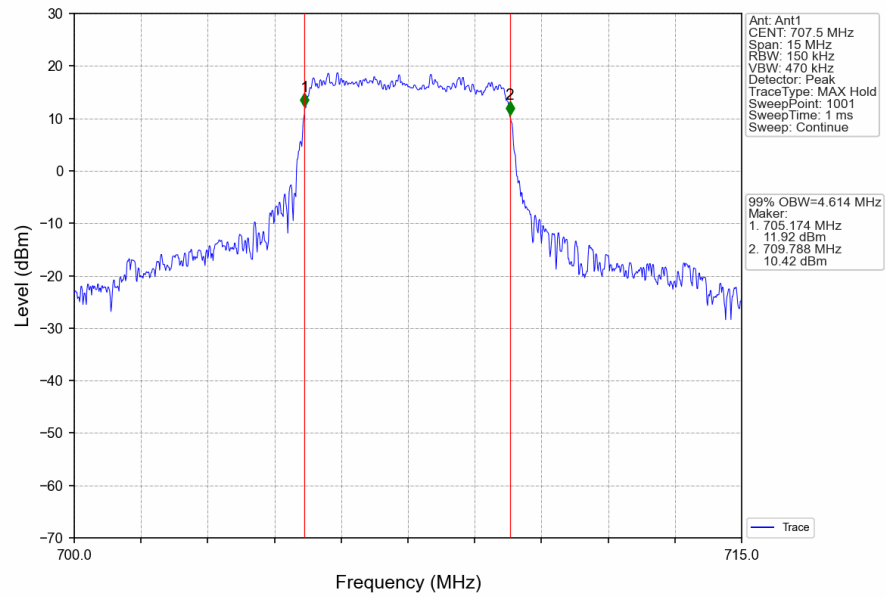
Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTNV



Band12\_5MHz\_QPSK\_LCH\_701.5MHz\_RB\_25\_0\_NTNV

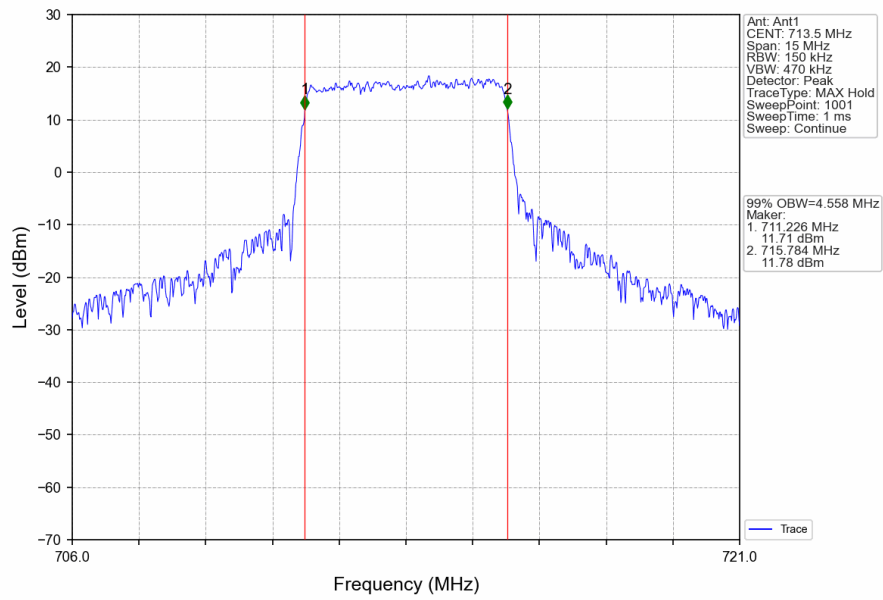


Band12\_5MHz\_QPSK\_MCH\_707.5MHz\_RB\_25\_0\_NTNV

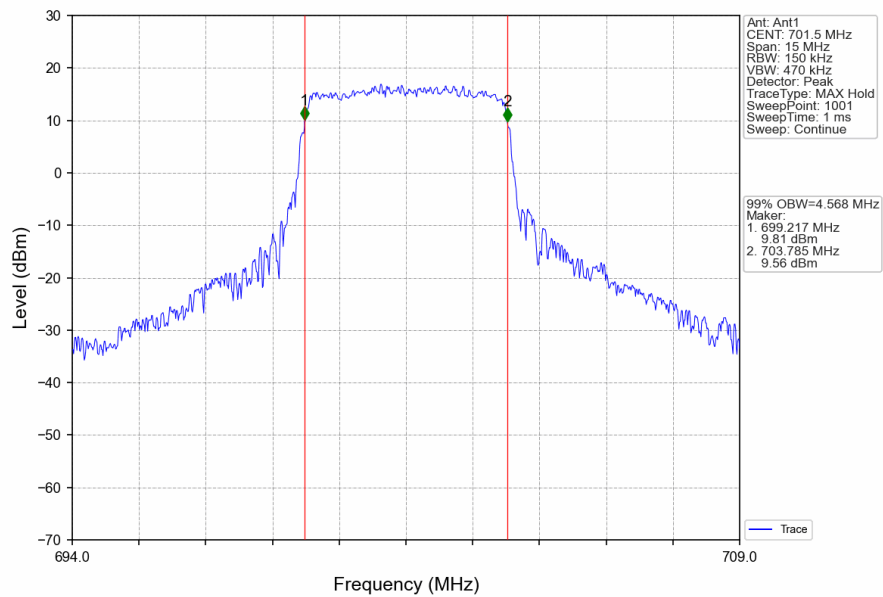




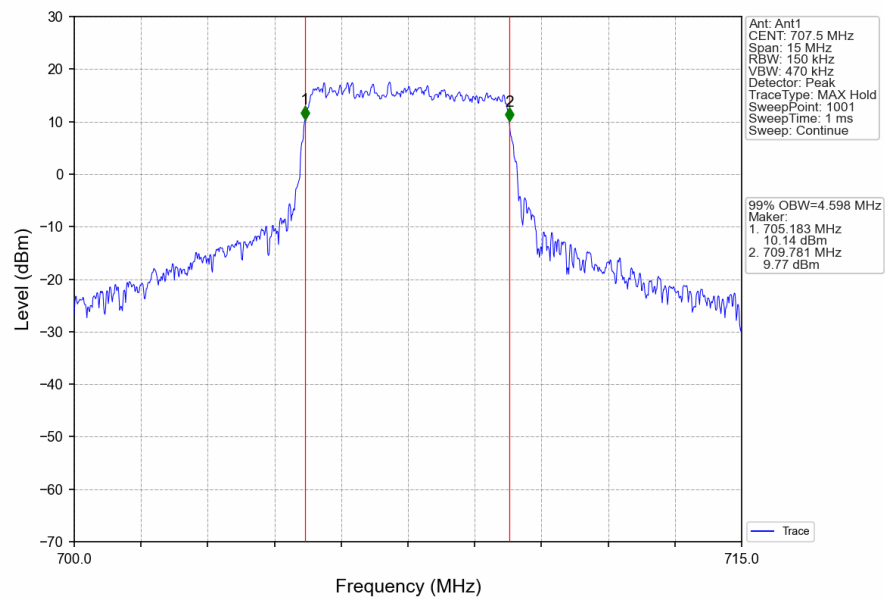
Band12\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



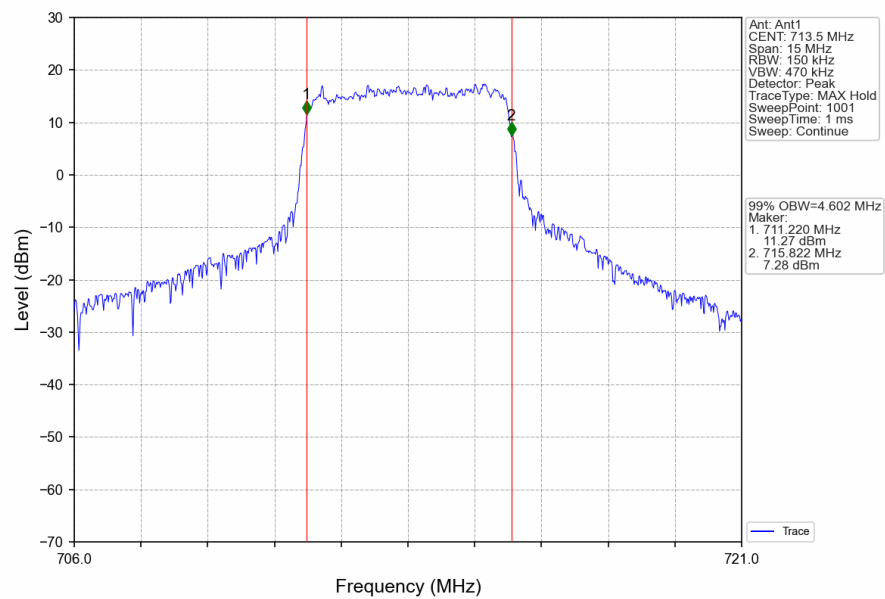
Band12\_5MHz\_16QAM\_LCH\_701.5MHz\_RB\_25\_0\_NTNV



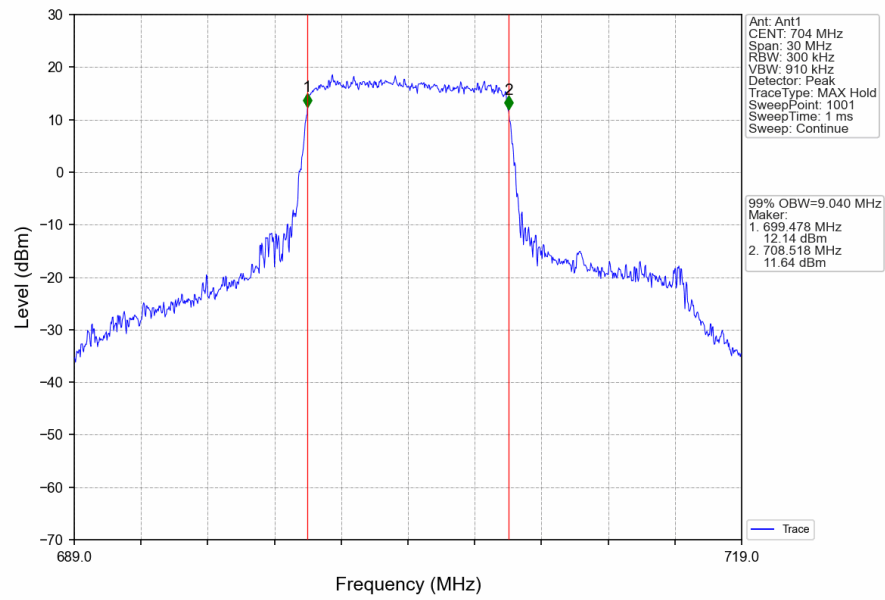
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTNV



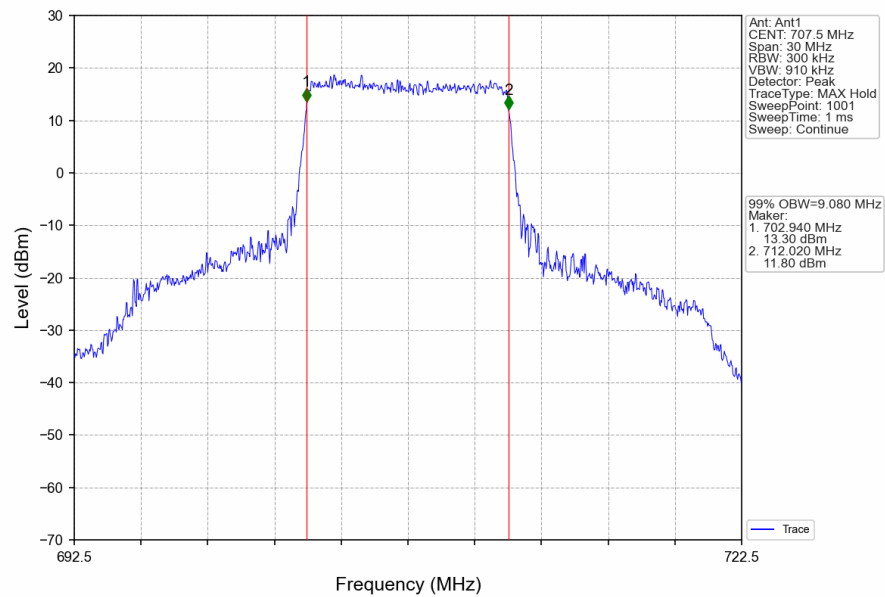
Band12\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



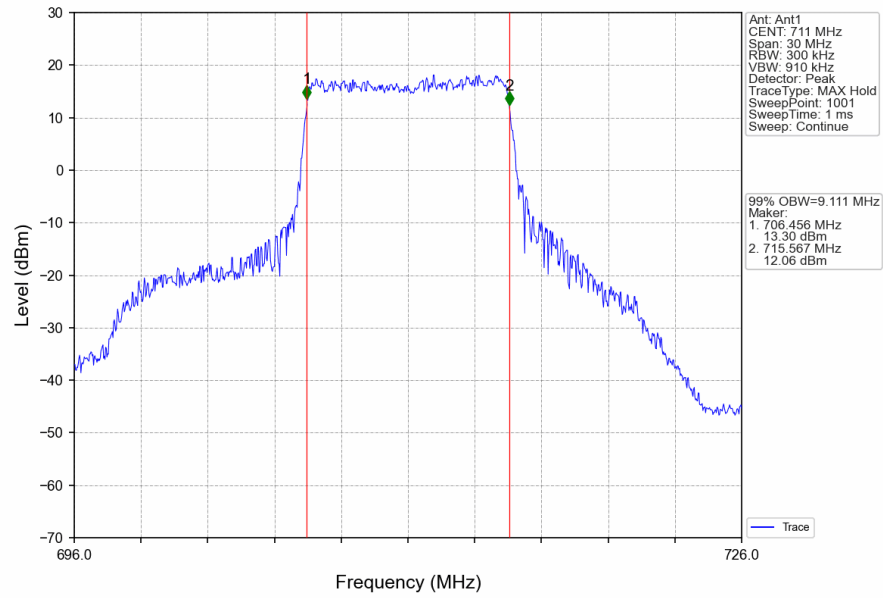
# Band12 10MHz QPSK LCH 704MHz RB 50 0 NTN



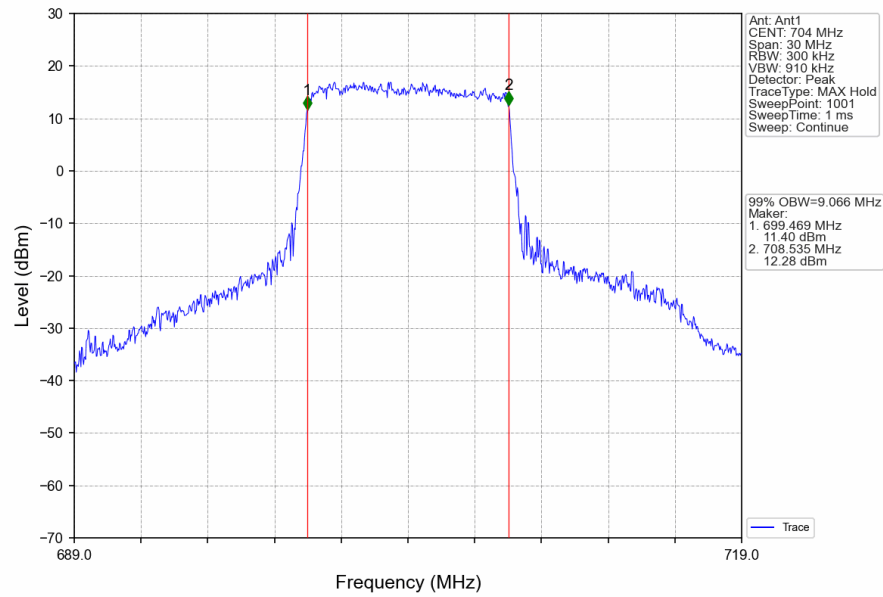
# Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTN



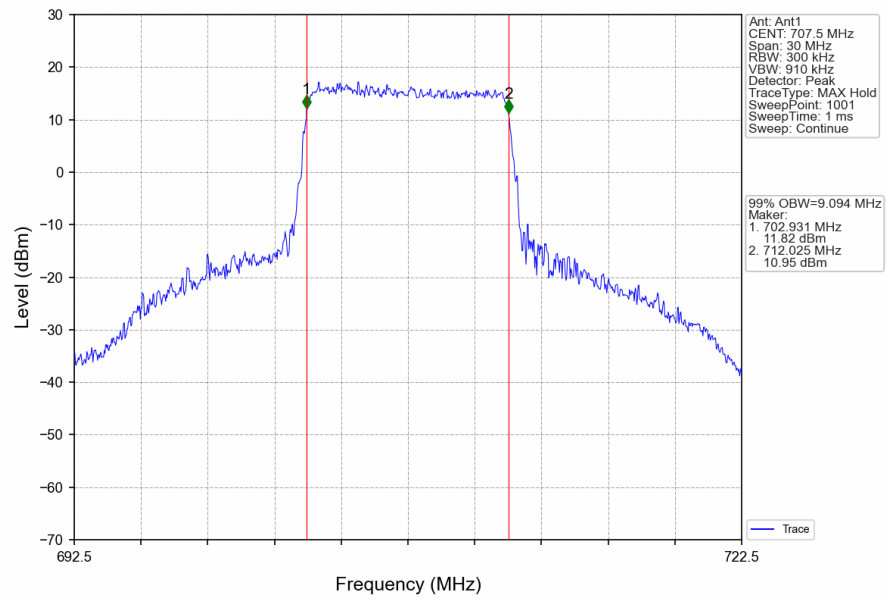
# Band12\_10MHz\_QPSK\_HCH\_711MHz\_RB\_50\_0\_NTNV



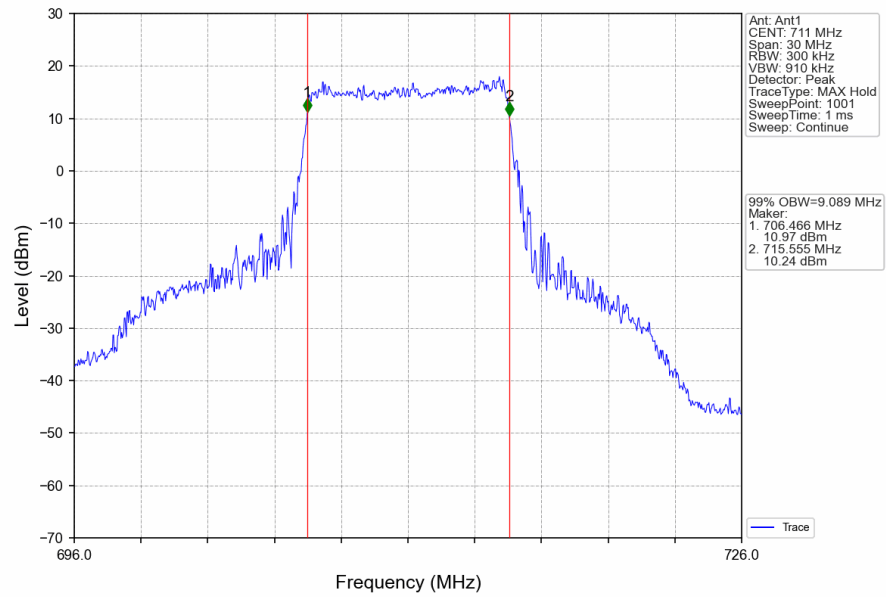
# Band12\_10MHz\_16QAM\_LCH\_704MHz\_RB\_50\_0\_NTNV



Band12\_10MHz\_16QAM\_MCH\_707.5MHz\_RB\_50\_0\_NTNV



Band12\_10MHz\_16QAM\_HCH\_711MHz\_RB\_50\_0\_NTNV

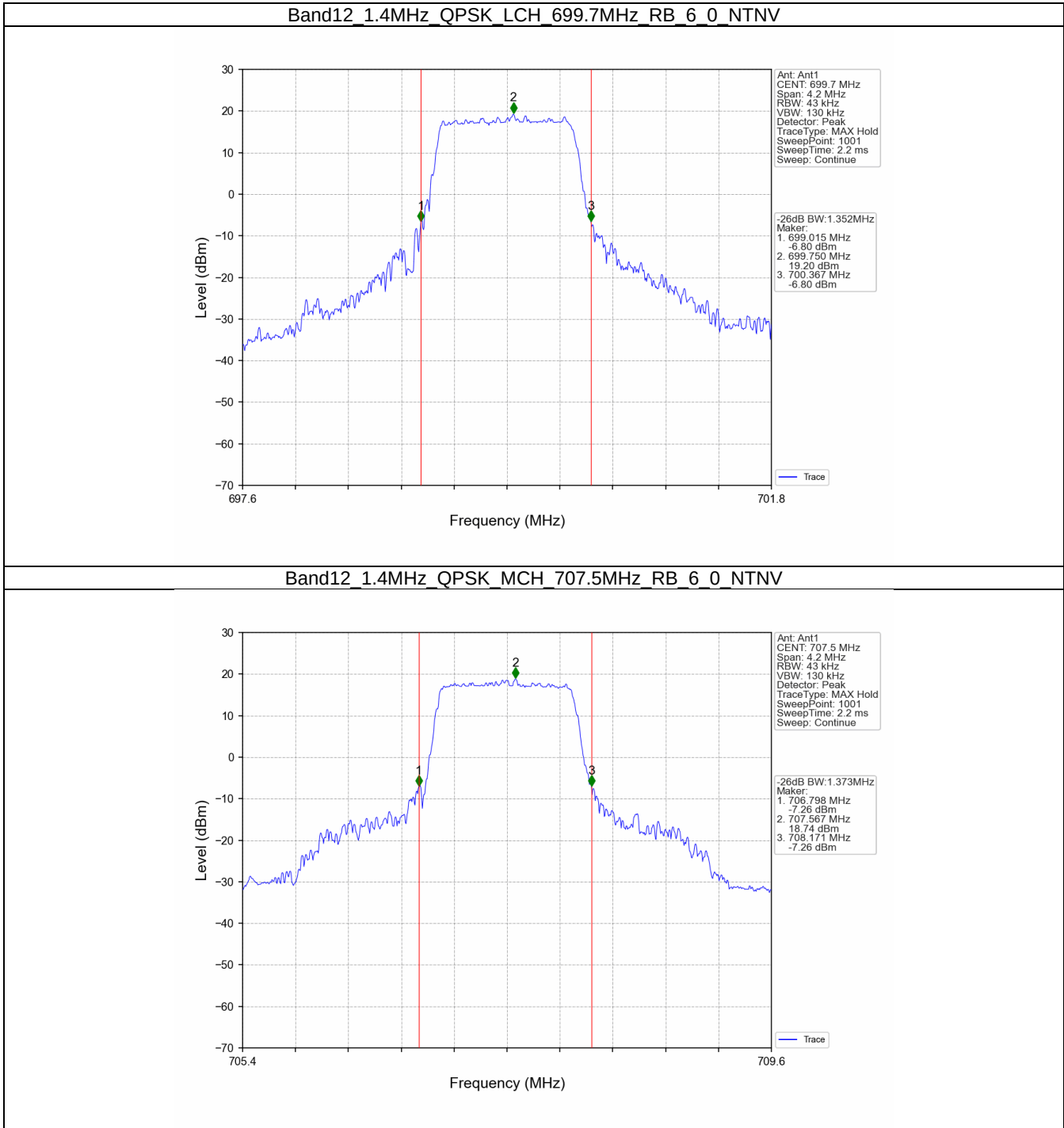


## 1.2 Band12\_XDB

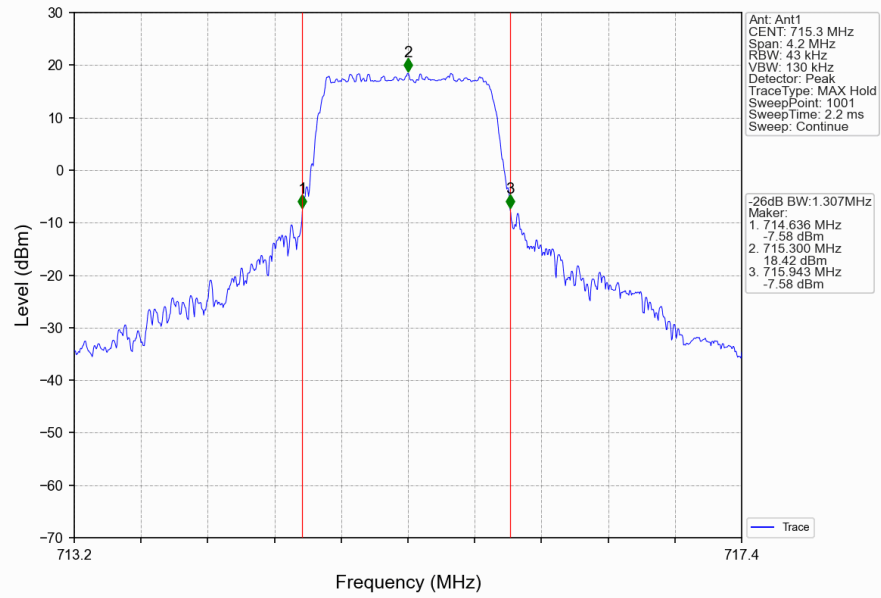
### 1.2.1 Test Result

| Band: 12 / NTNV |            |                 |               |        |                      |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) | Verdict |
|                 |            |                 | Size          | Offset | Result               |         |
| 1.4             | QPSK       | 699.7           | 6             | 0      | 1.352                | Pass    |
|                 |            | 707.5           | 6             | 0      | 1.373                | Pass    |
|                 |            | 715.3           | 6             | 0      | 1.307                | Pass    |
|                 | 16QAM      | 699.7           | 6             | 0      | 1.310                | Pass    |
|                 |            | 707.5           | 6             | 0      | 1.374                | Pass    |
|                 |            | 715.3           | 6             | 0      | 1.288                | Pass    |
| 3               | QPSK       | 700.5           | 15            | 0      | 3.105                | Pass    |
|                 |            | 707.5           | 15            | 0      | 3.143                | Pass    |
|                 |            | 714.5           | 15            | 0      | 3.174                | Pass    |
|                 | 16QAM      | 700.5           | 15            | 0      | 3.177                | Pass    |
|                 |            | 707.5           | 15            | 0      | 3.311                | Pass    |
|                 |            | 714.5           | 15            | 0      | 3.096                | Pass    |
| 5               | QPSK       | 701.5           | 25            | 0      | 5.604                | Pass    |
|                 |            | 707.5           | 25            | 0      | 5.669                | Pass    |
|                 |            | 713.5           | 25            | 0      | 5.381                | Pass    |
|                 | 16QAM      | 701.5           | 25            | 0      | 5.544                | Pass    |
|                 |            | 707.5           | 25            | 0      | 5.712                | Pass    |
|                 |            | 713.5           | 25            | 0      | 5.752                | Pass    |
| 10              | QPSK       | 704             | 50            | 0      | 10.155               | Pass    |
|                 |            | 707.5           | 50            | 0      | 10.258               | Pass    |
|                 |            | 711             | 50            | 0      | 10.526               | Pass    |
|                 | 16QAM      | 704             | 50            | 0      | 10.367               | Pass    |
|                 |            | 707.5           | 50            | 0      | 10.054               | Pass    |
|                 |            | 711             | 50            | 0      | 10.924               | Pass    |

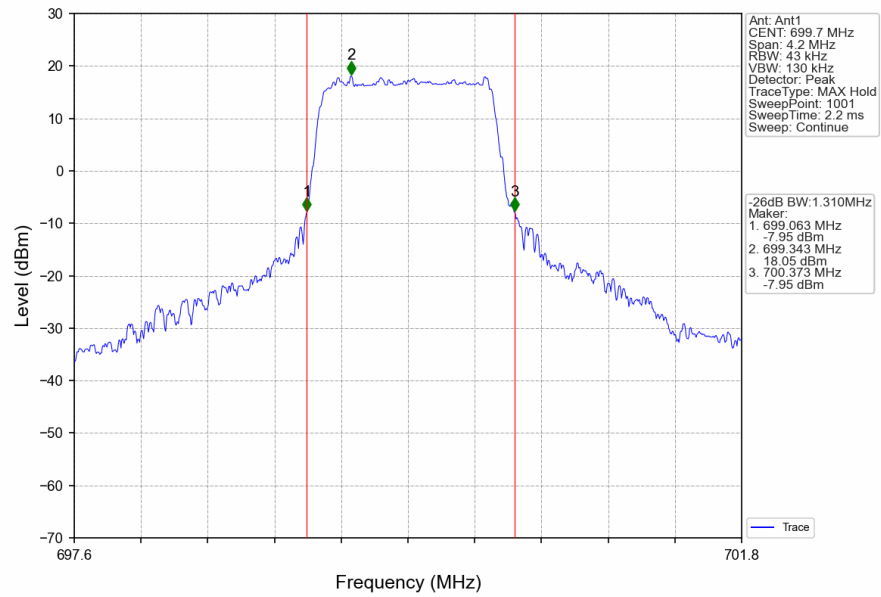
1.2.2 Test Graph



Band12\_1.4MHz\_QPSK\_HCH\_715.3MHz\_RB\_6\_0\_NTNV

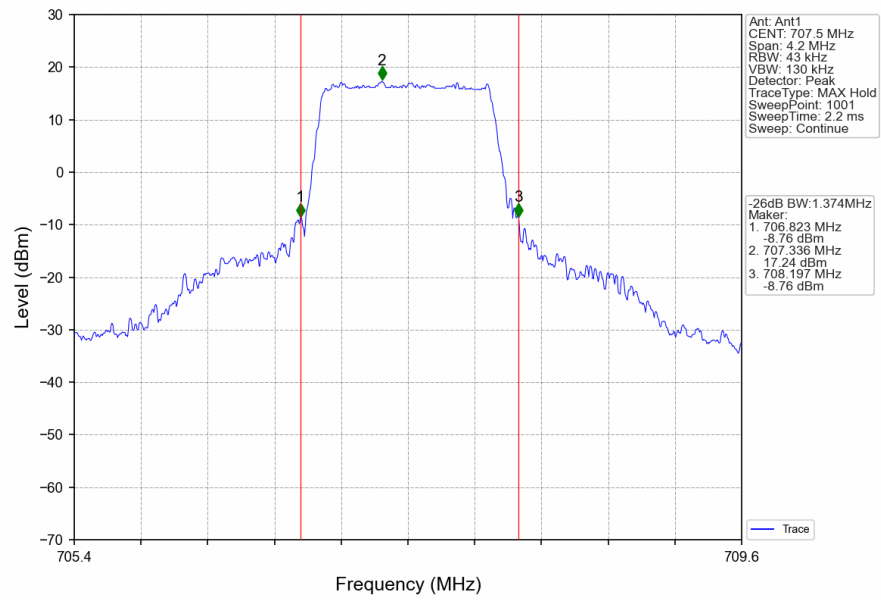


Band12\_1.4MHz\_16QAM\_LCH\_699.7MHz\_RB\_6\_0\_NTNV

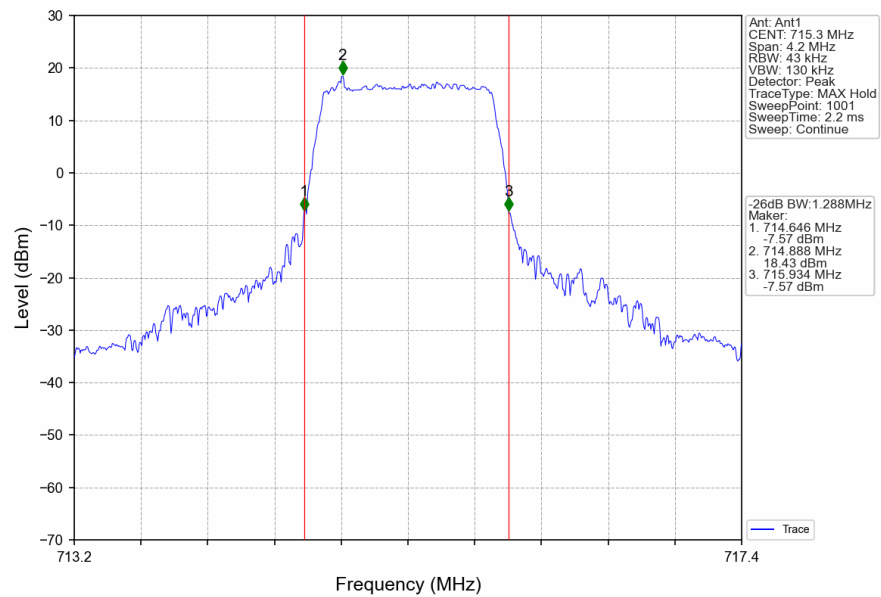




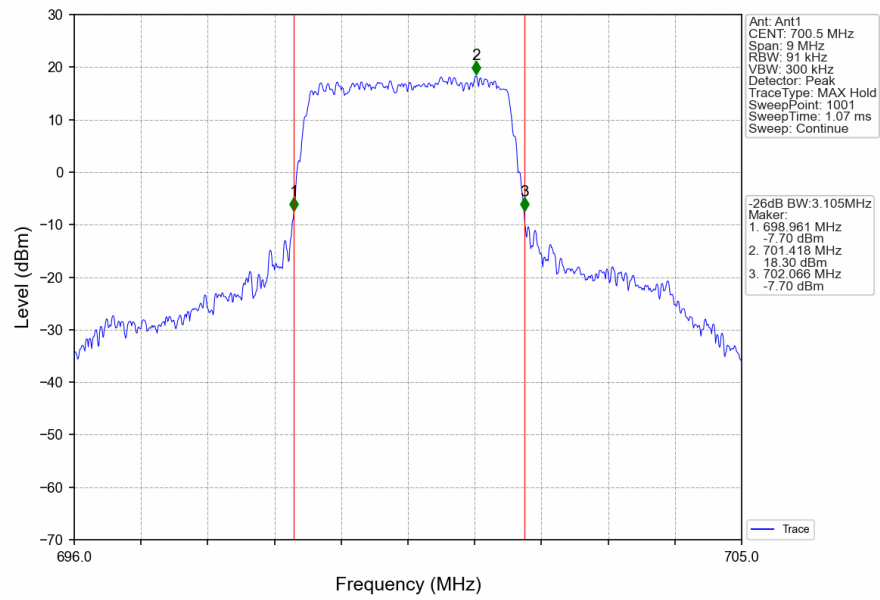
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTN



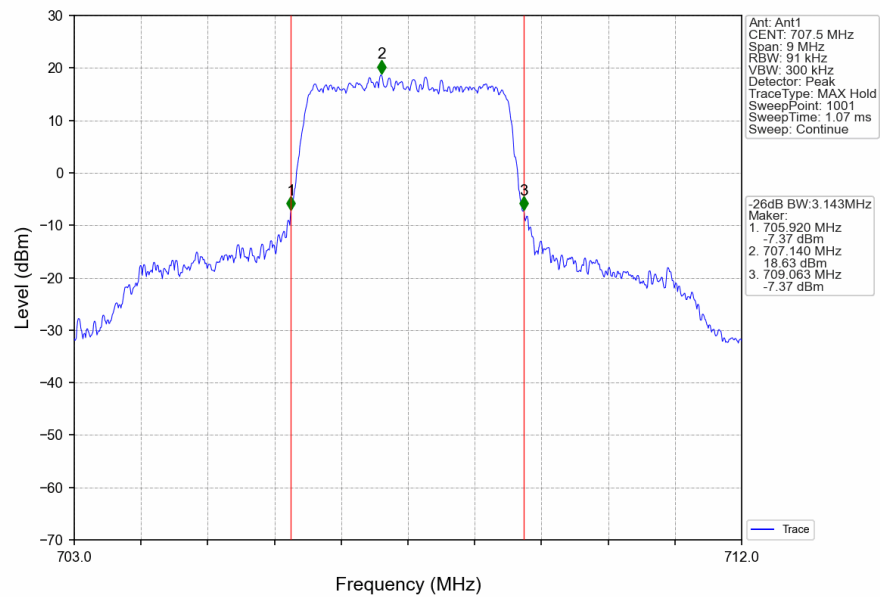
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTN



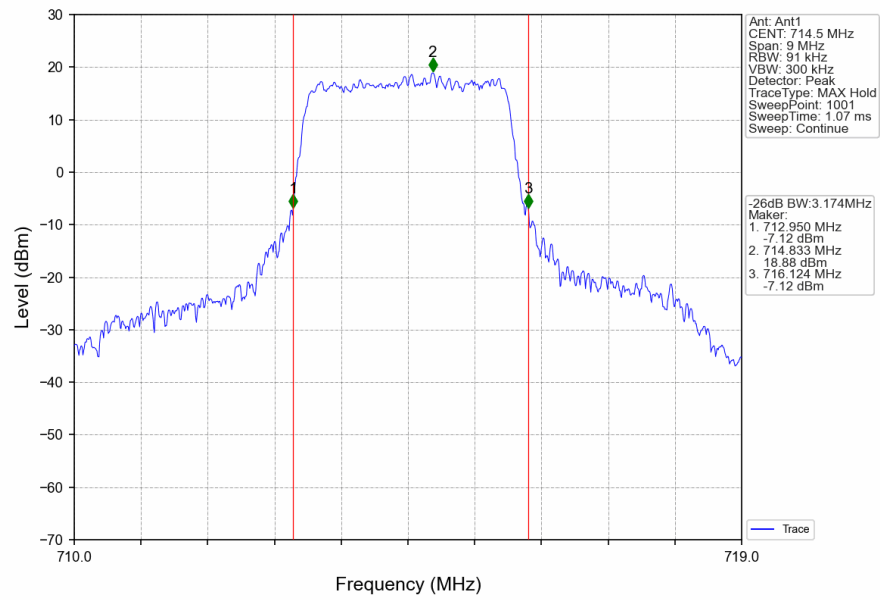
# Band12\_3MHz\_QPSK\_LCH\_700.5MHz\_RB\_15\_0\_NTNV



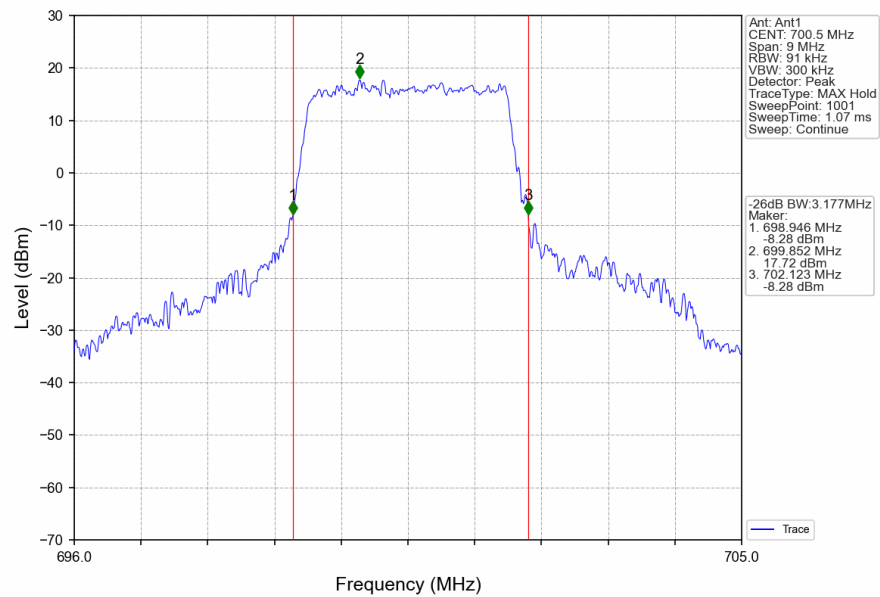
# Band12\_3MHz\_QPSK\_MCH\_707.5MHz\_RB\_15\_0\_NTNV



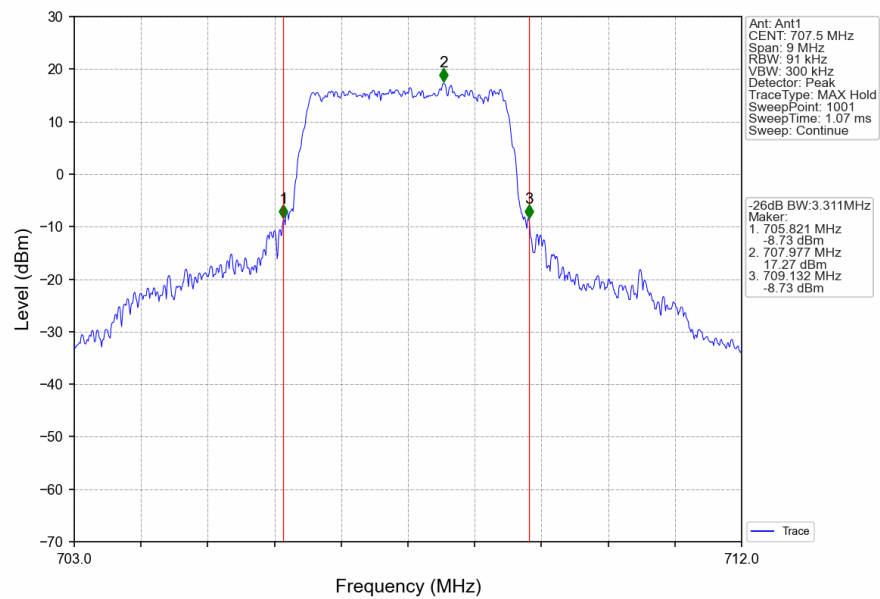
Band12\_3MHz\_QPSK\_HCH\_714.5MHz\_RB\_15\_0\_NTNV



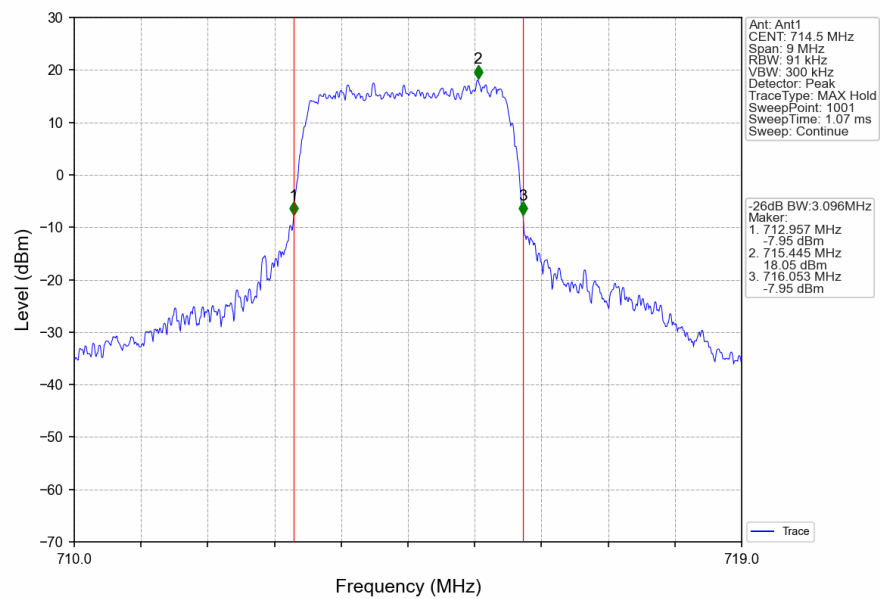
Band12\_3MHz\_16QAM\_LCH\_700.5MHz\_RB\_15\_0\_NTNV



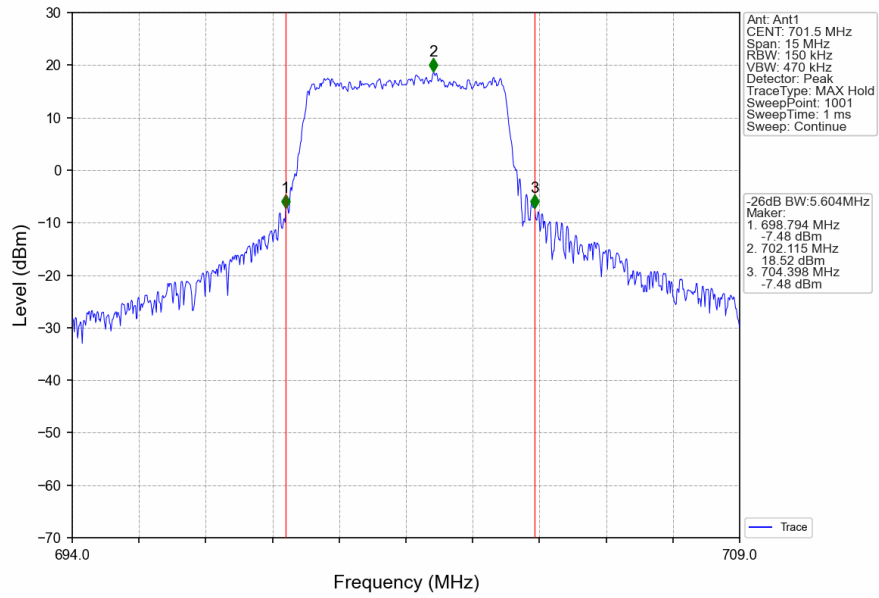
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTNV



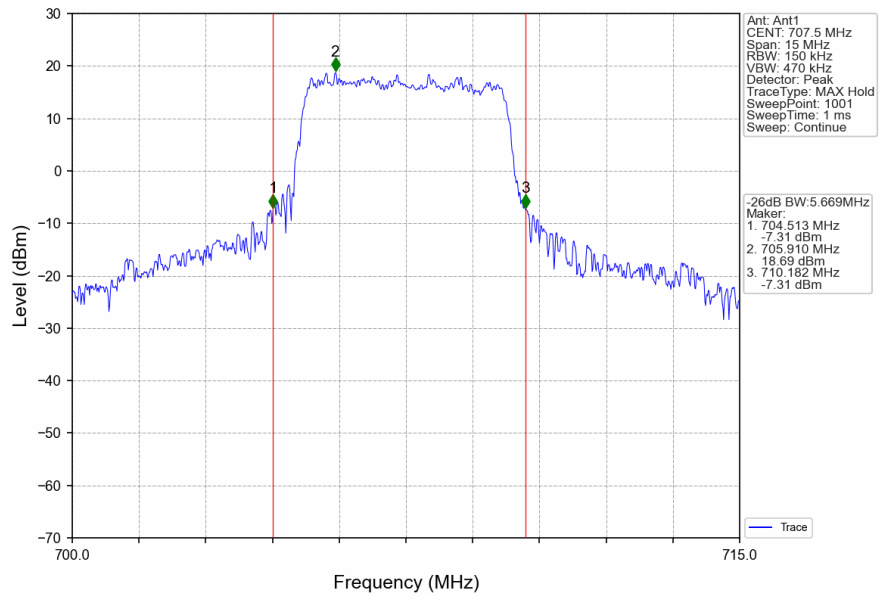
Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTNV



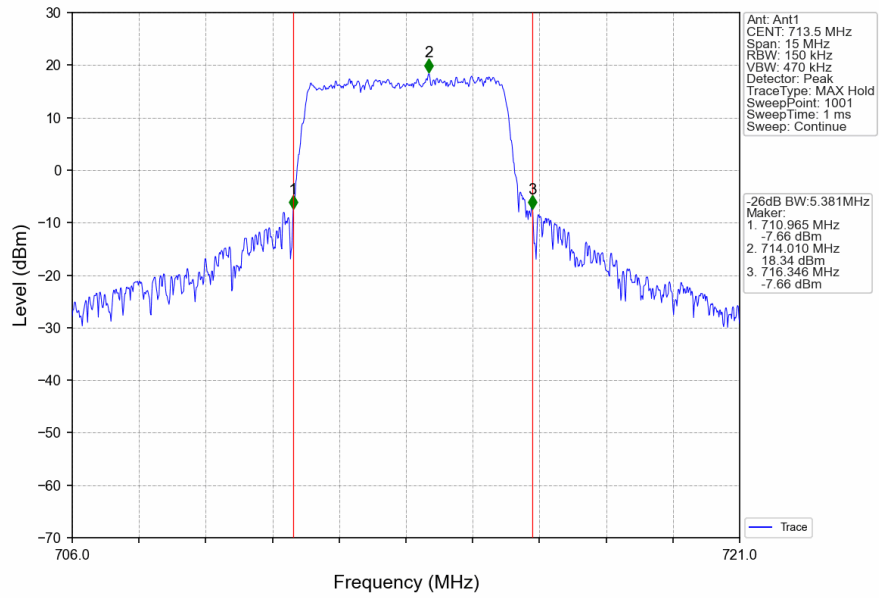
# Band12 5MHz QPSK LCH 701.5MHz RB 25\_0 NTN



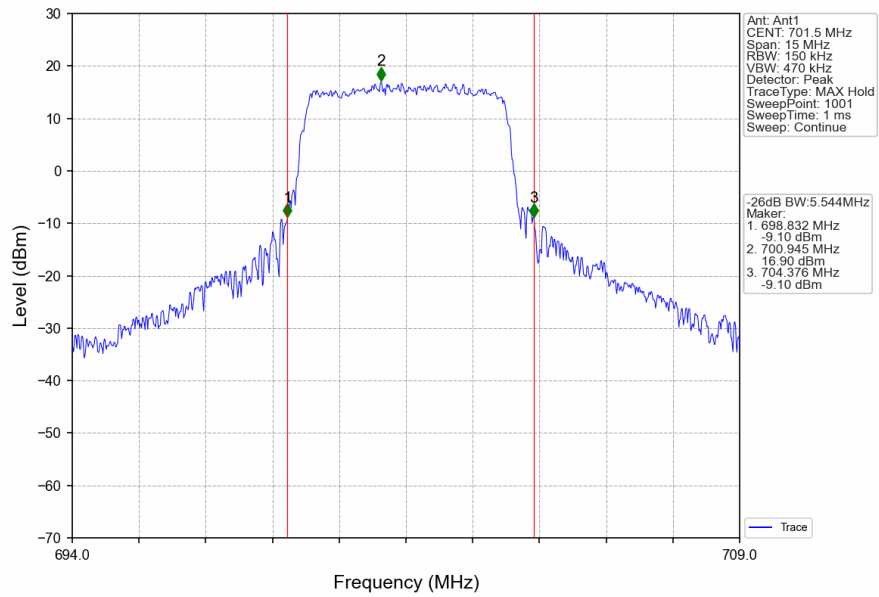
# Band12 5MHz QPSK MCH 707.5MHz RB 25\_0 NTN



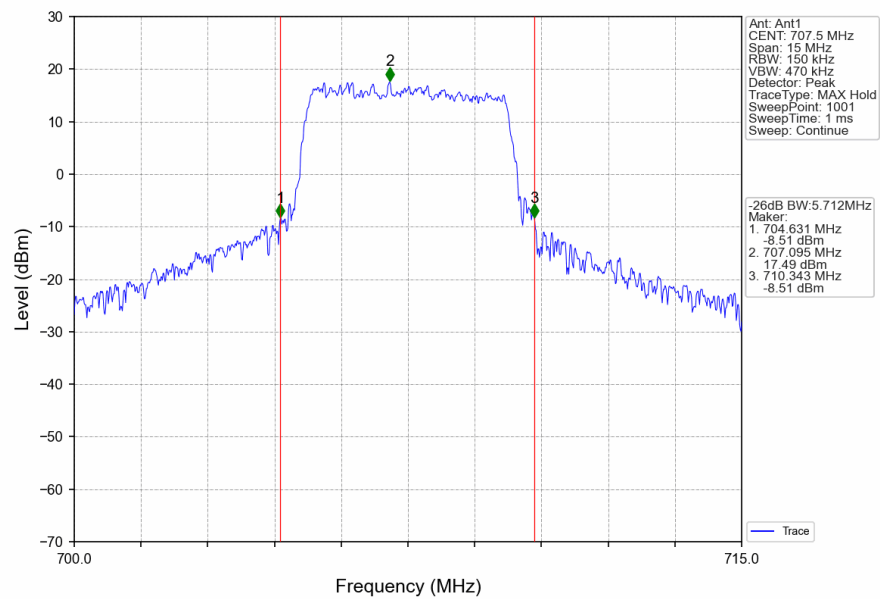
# Band12\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



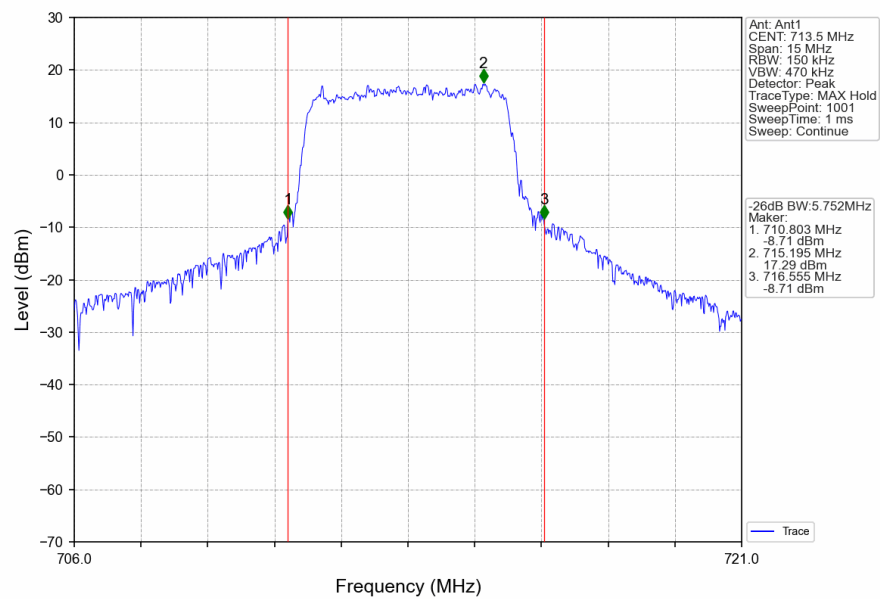
# Band12\_5MHz\_16QAM\_LCH\_701.5MHz\_RB\_25\_0\_NTNV



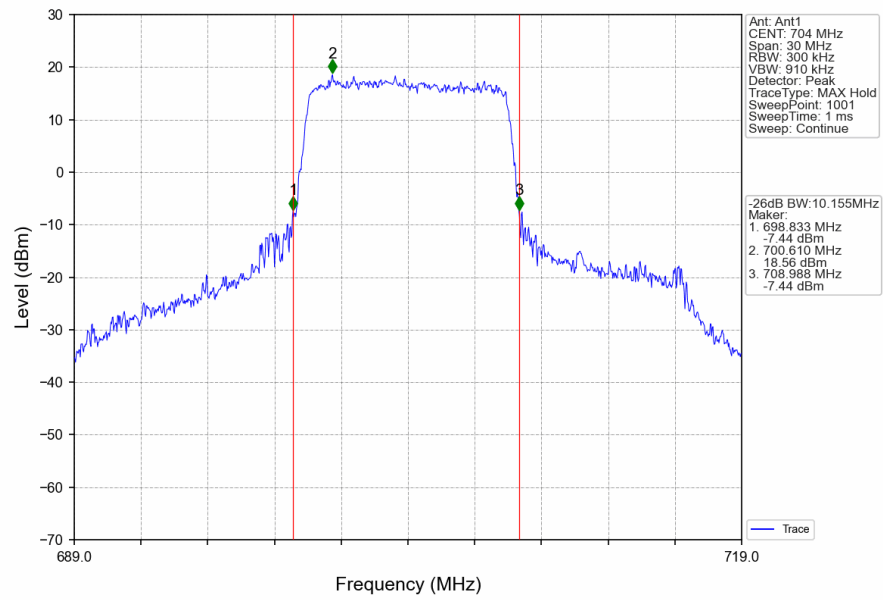
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTNV



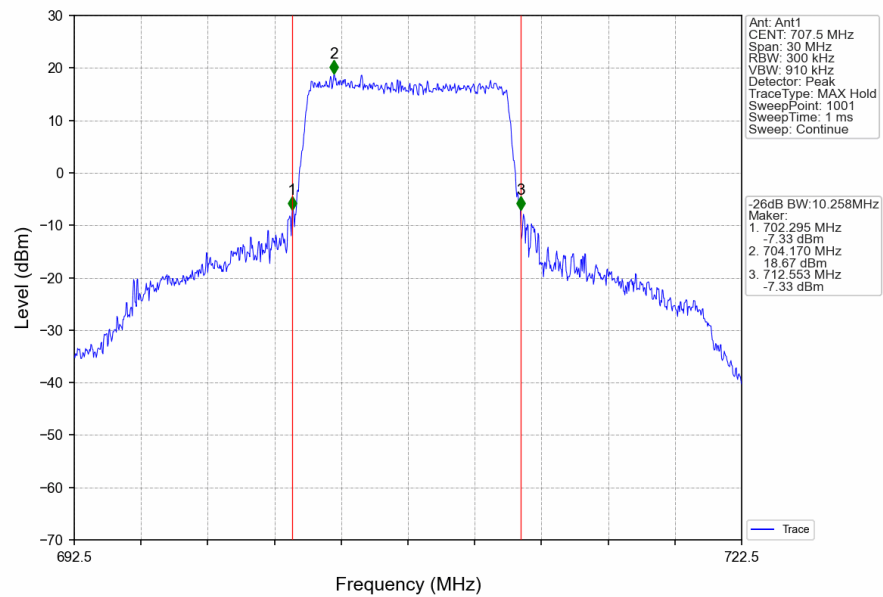
Band12\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



# Band12 10MHz QPSK LCH 704MHz RB 50 0 NTN

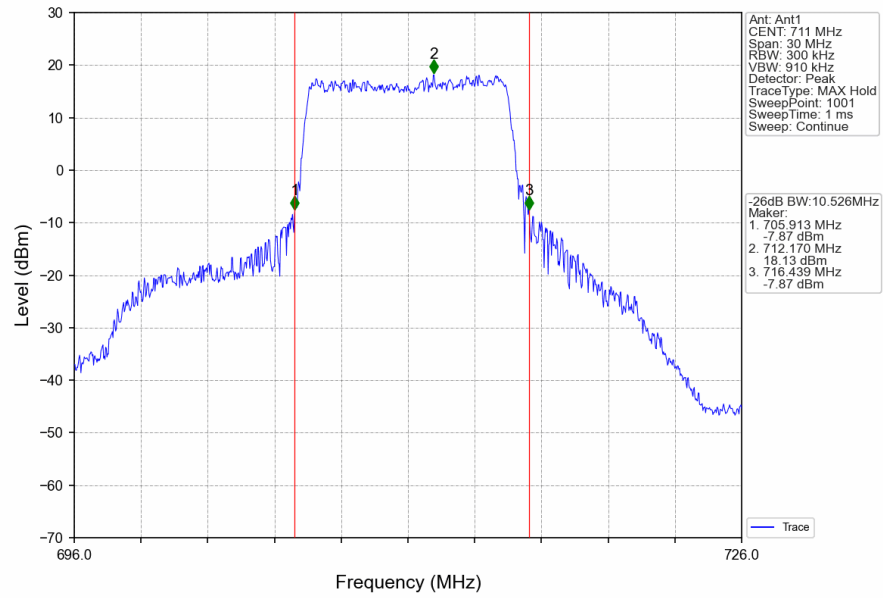


# Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTN

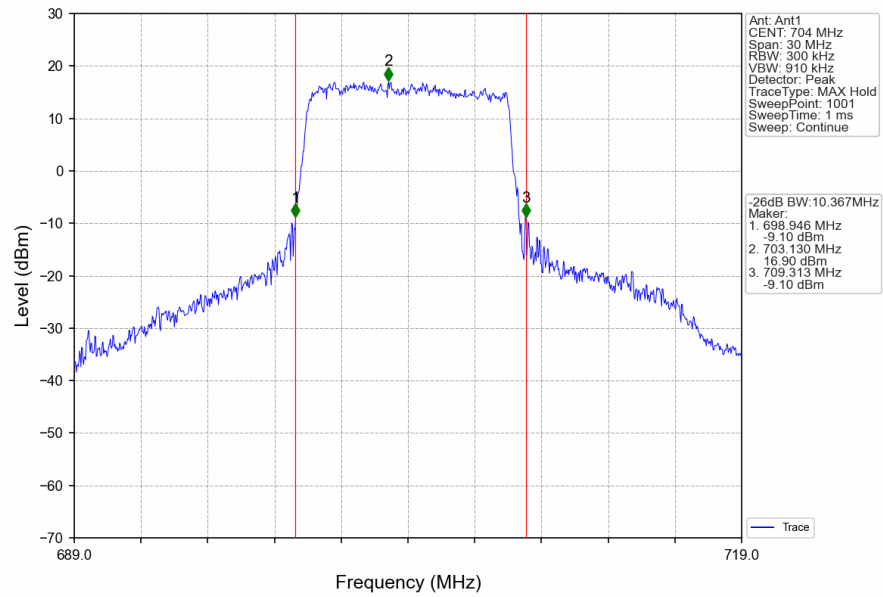




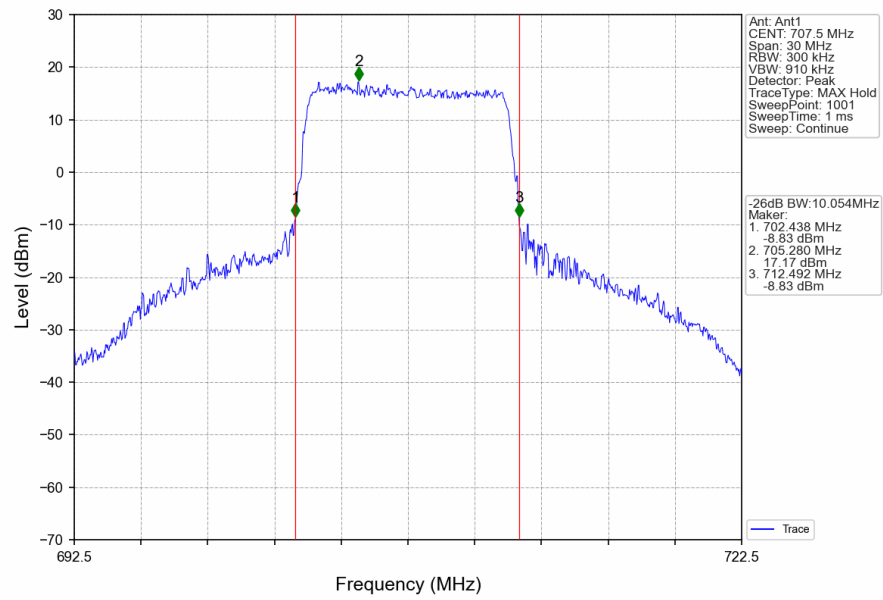
Band12\_10MHz\_QPSK\_HCH\_711MHz\_RB\_50\_0\_NTNV



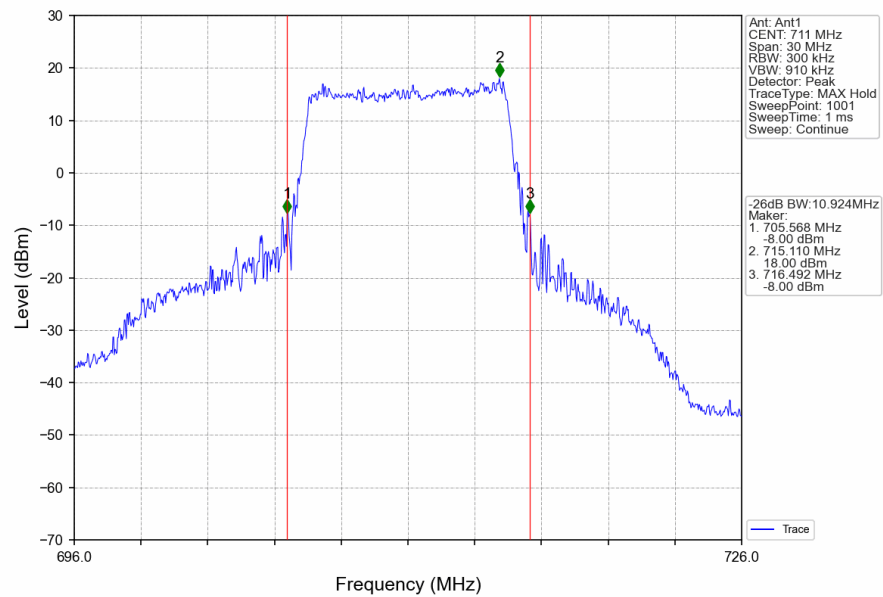
Band12\_10MHz\_16QAM\_LCH\_704MHz\_RB\_50\_0\_NTNV



Band12\_10MHz\_16QAM\_MCH\_707.5MHz\_RB\_50\_0\_NTNV



Band12\_10MHz\_16QAM\_HCH\_711MHz\_RB\_50\_0\_NTNV



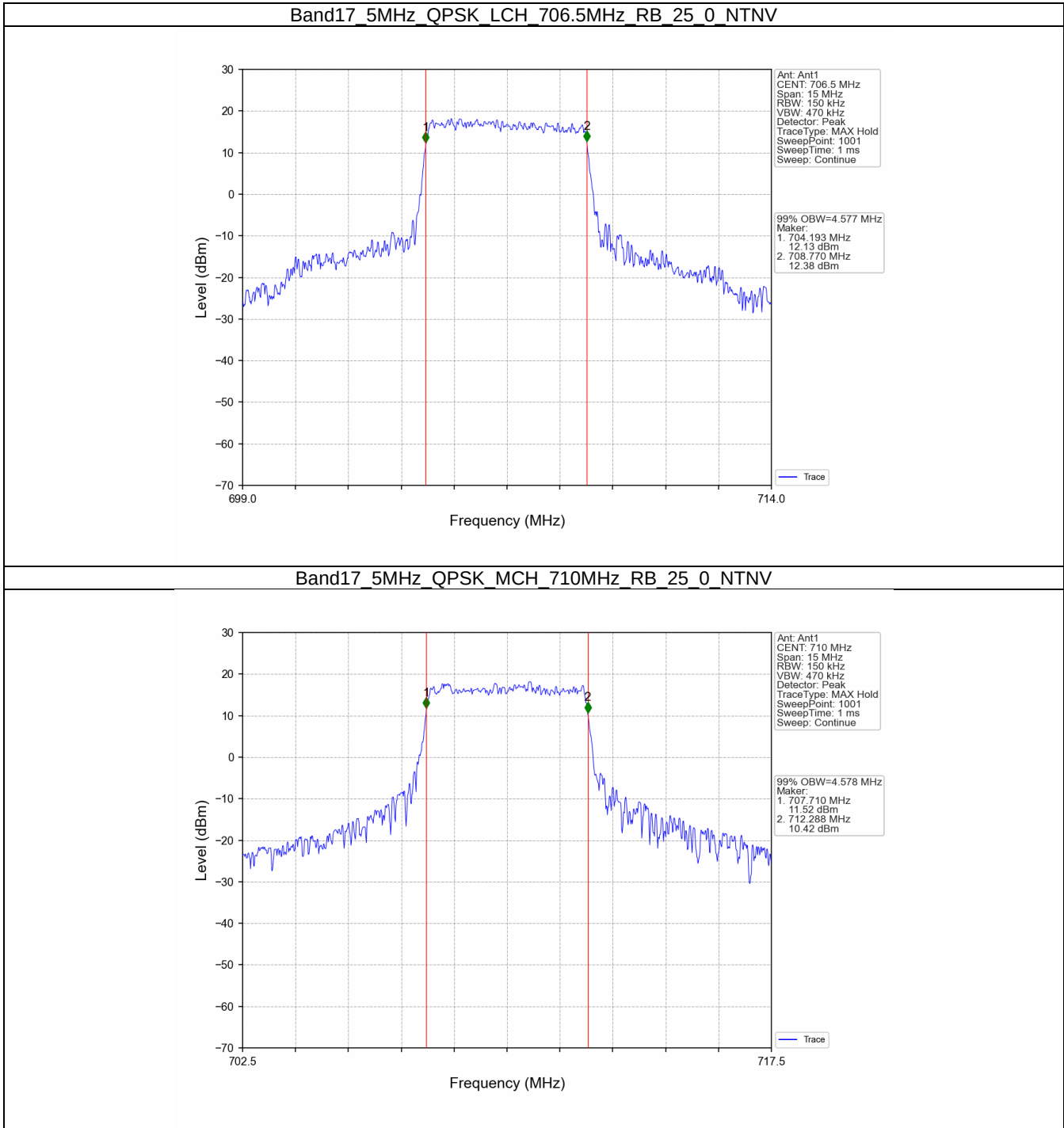
## 2. 99% & 26dB Bandwidth

### 2.1 Band17\_OBW

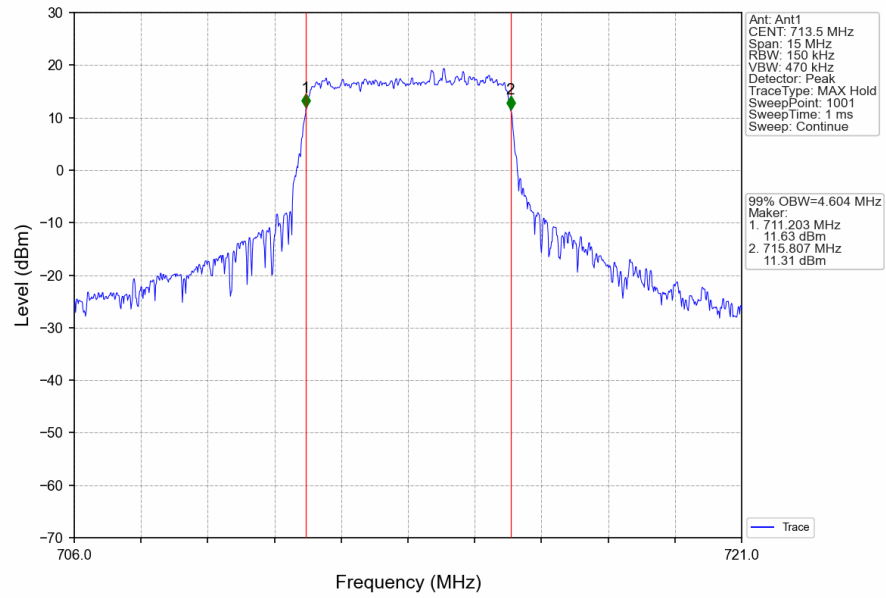
#### 2.1.1 Test Result

| Band: 17 / NTNV |            |                 |               |        |                              |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) | Verdict |
|                 |            |                 | Size          | Offset | Result                       |         |
| 5               | QPSK       | 706.5           | 25            | 0      | 4.577                        | Pass    |
|                 |            | 710             | 25            | 0      | 4.578                        | Pass    |
|                 |            | 713.5           | 25            | 0      | 4.604                        | Pass    |
|                 | 16QAM      | 706.5           | 25            | 0      | 4.616                        | Pass    |
|                 |            | 710             | 25            | 0      | 4.630                        | Pass    |
|                 |            | 713.5           | 25            | 0      | 4.586                        | Pass    |
| 10              | QPSK       | 709             | 50            | 0      | 9.125                        | Pass    |
|                 |            | 710             | 50            | 0      | 9.103                        | Pass    |
|                 |            | 711             | 50            | 0      | 9.137                        | Pass    |
|                 | 16QAM      | 709             | 50            | 0      | 9.099                        | Pass    |
|                 |            | 710             | 50            | 0      | 9.116                        | Pass    |
|                 |            | 711             | 50            | 0      | 9.129                        | Pass    |

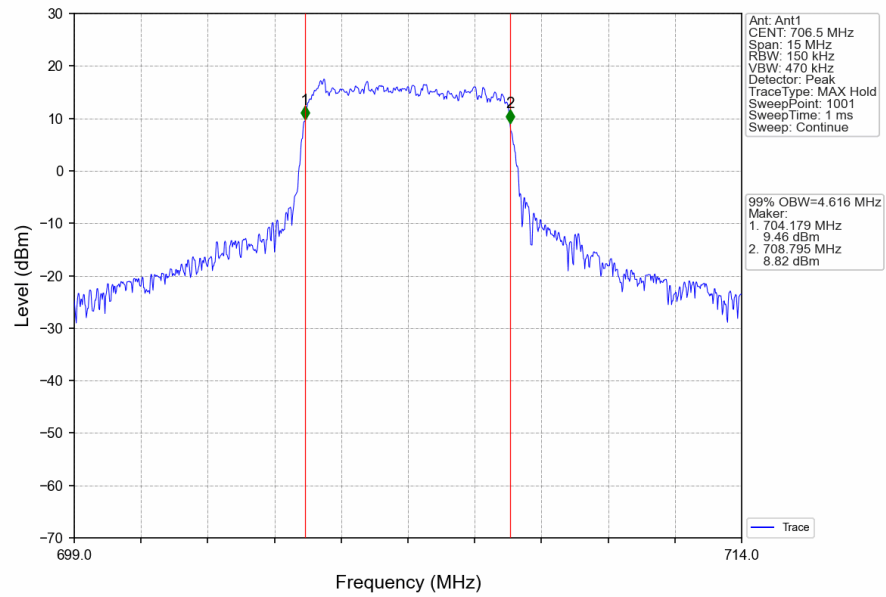
2.1.2 Test Graph



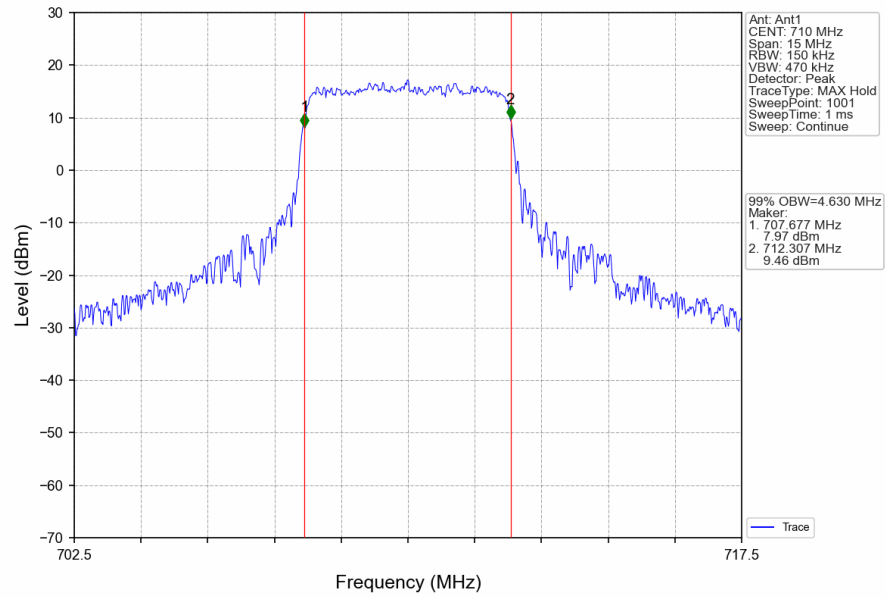
Band17\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



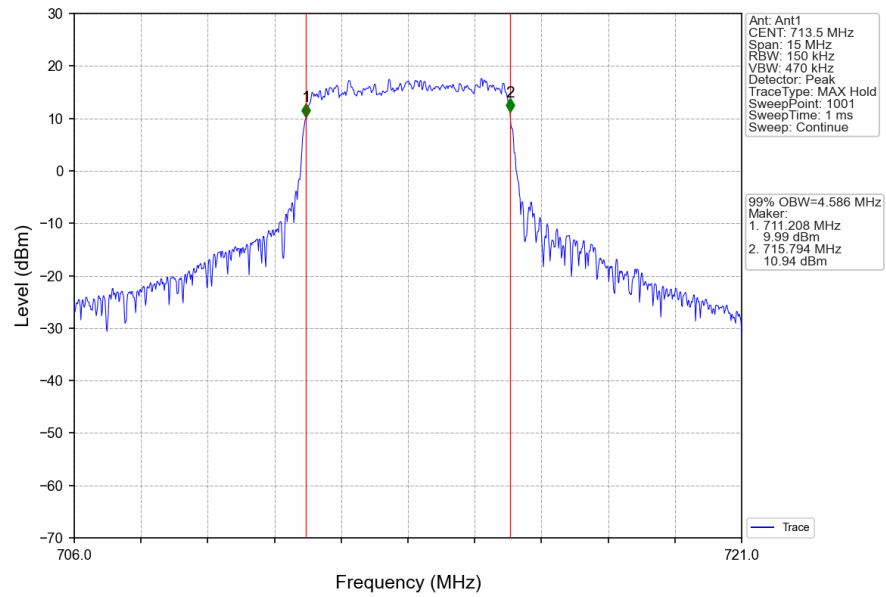
Band17\_5MHz\_16QAM\_LCH\_706.5MHz\_RB\_25\_0\_NTNV



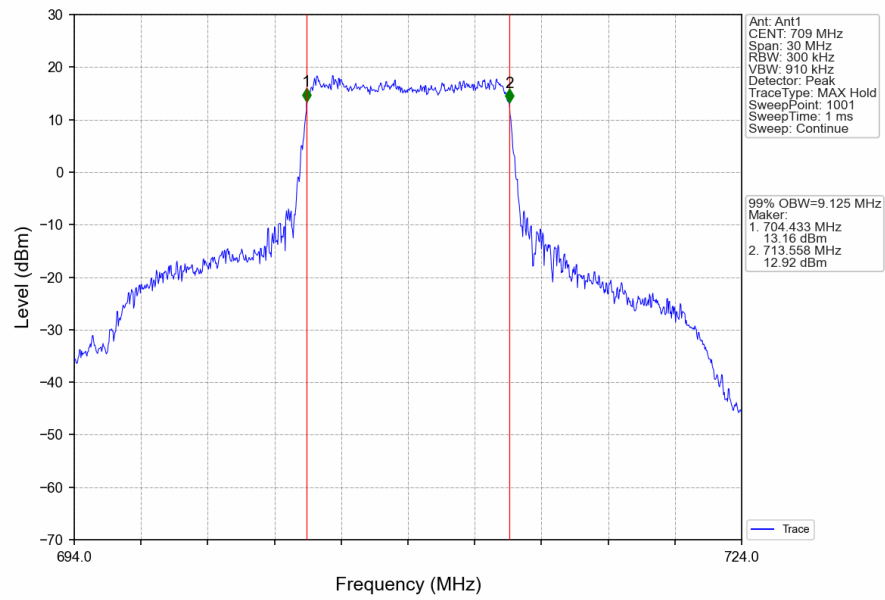
Band17\_5MHz\_16QAM\_MCH\_710MHz\_RB\_25\_0\_NTNV



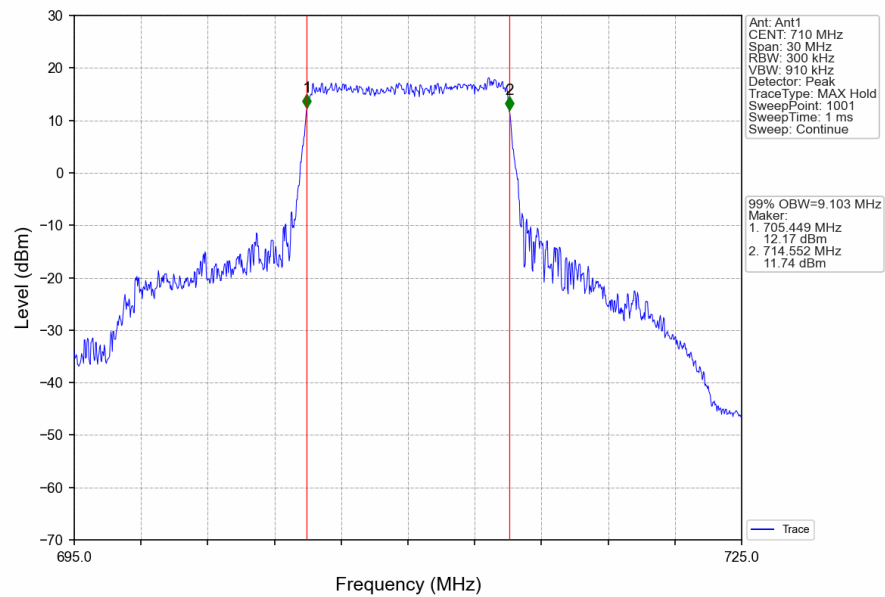
Band17\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



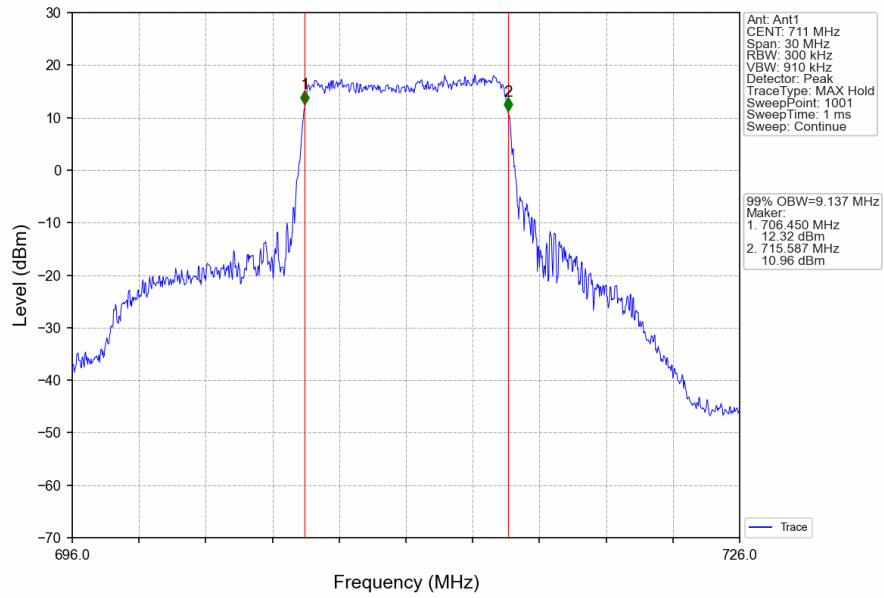
# Band17\_10MHz\_QPSK\_LCH\_709MHz\_RB\_50\_0\_NTNV



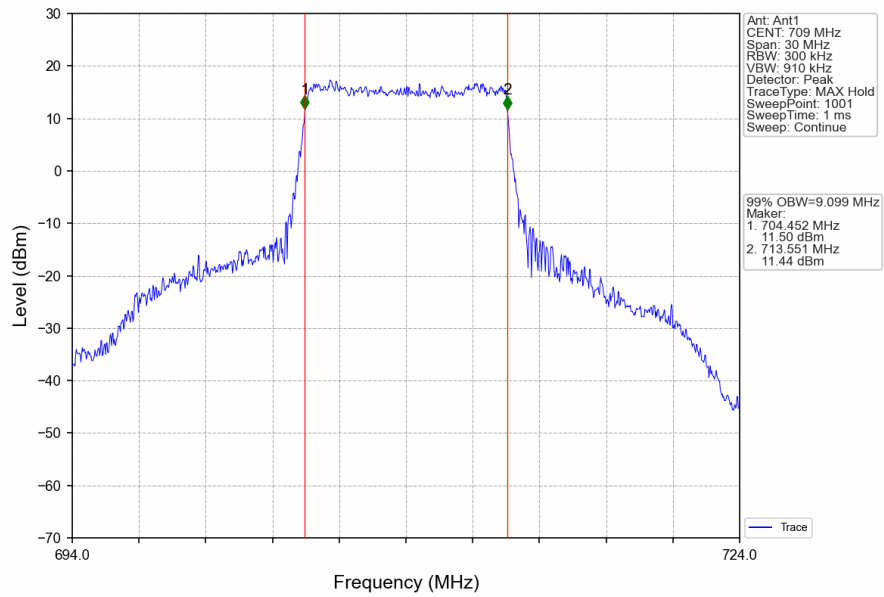
# Band17\_10MHz\_QPSK\_MCH\_710MHz\_RB\_50\_0\_NTNV



# Band17\_10MHz\_QPSK\_HCH\_711MHz\_RB\_50\_0\_NTNV

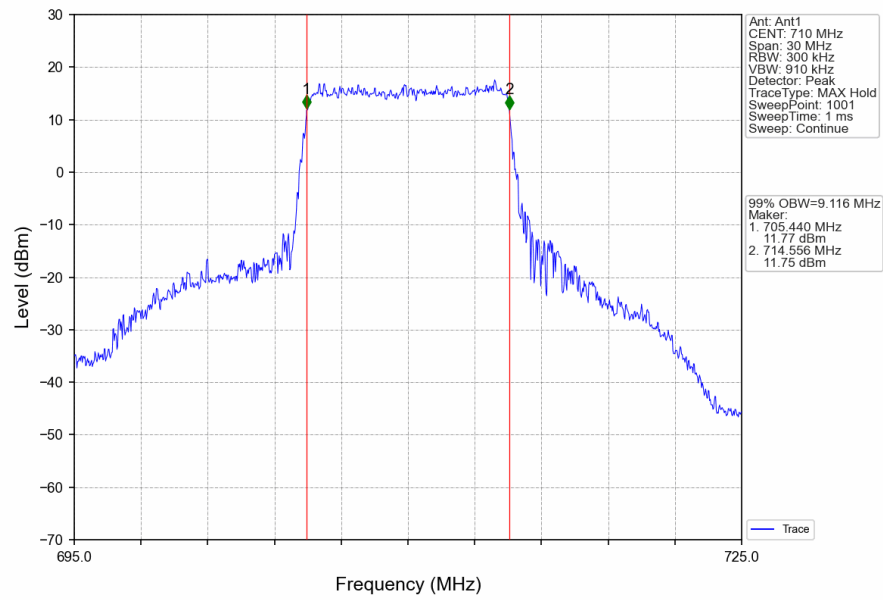


# Band17\_10MHz\_16QAM\_LCH\_709MHz\_RB\_50\_0\_NTNV

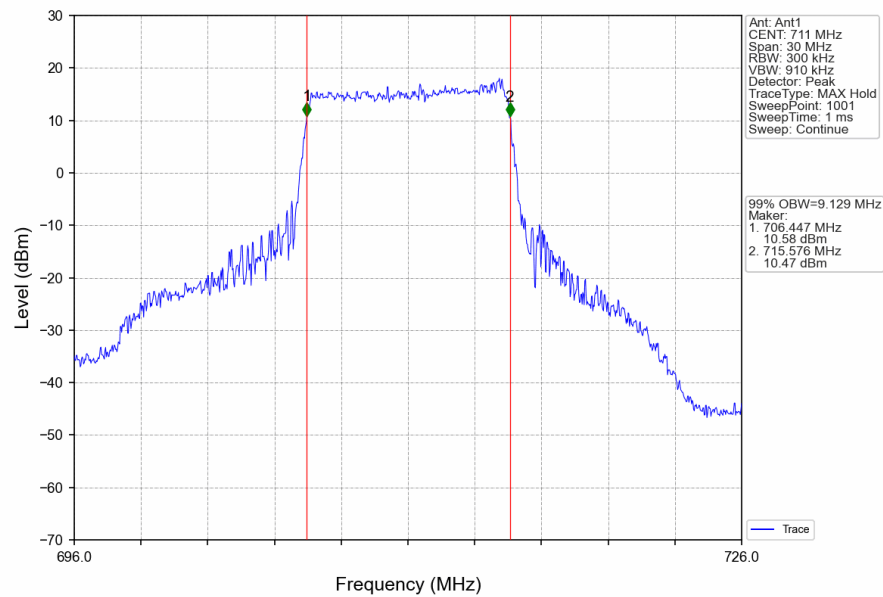




Band17\_10MHz\_16QAM\_MCH\_710MHz\_RB\_50\_0\_NTNV



Band17\_10MHz\_16QAM\_HCH\_711MHz\_RB\_50\_0\_NTNV

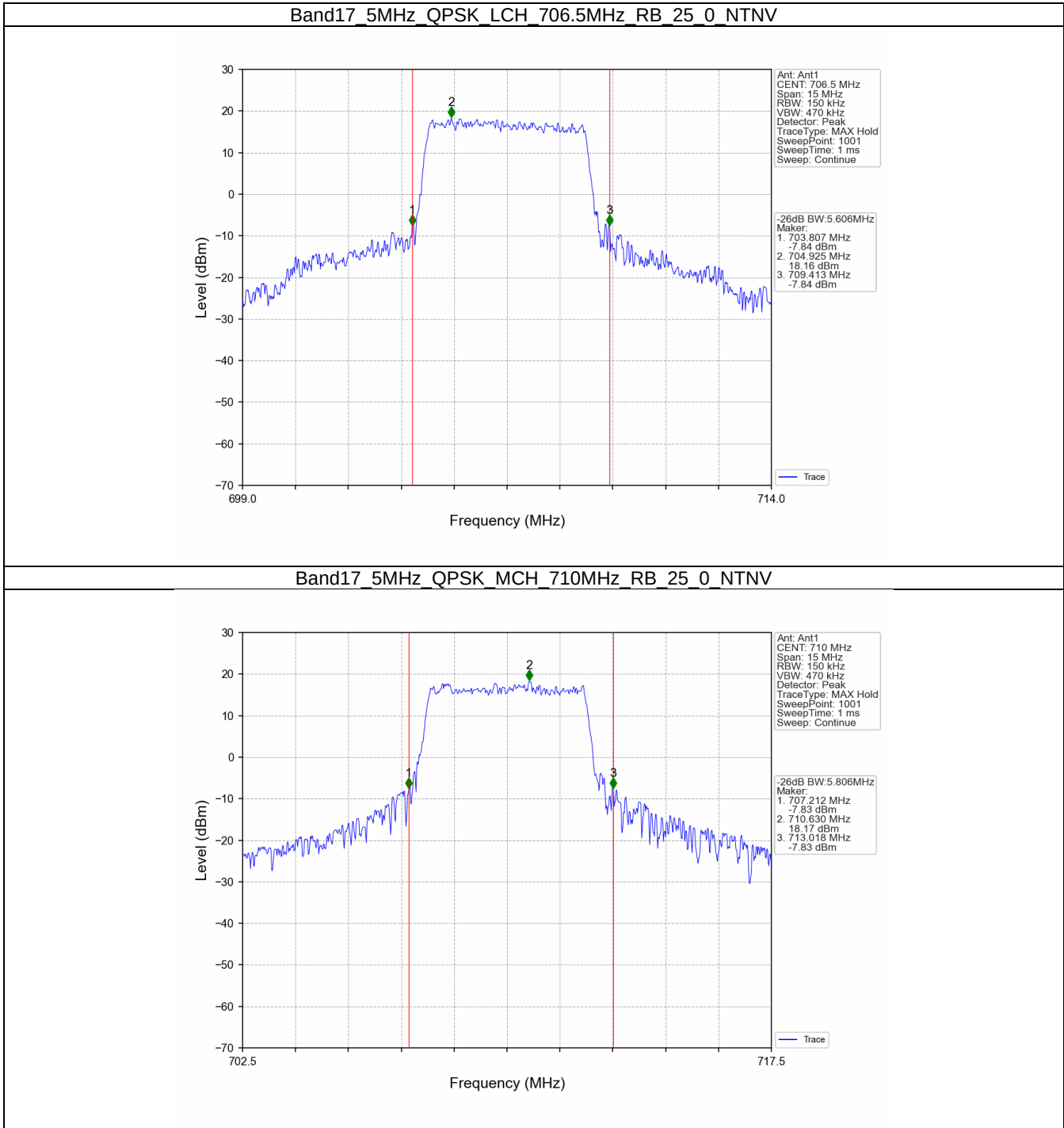


## 2.2 Band17\_XDB

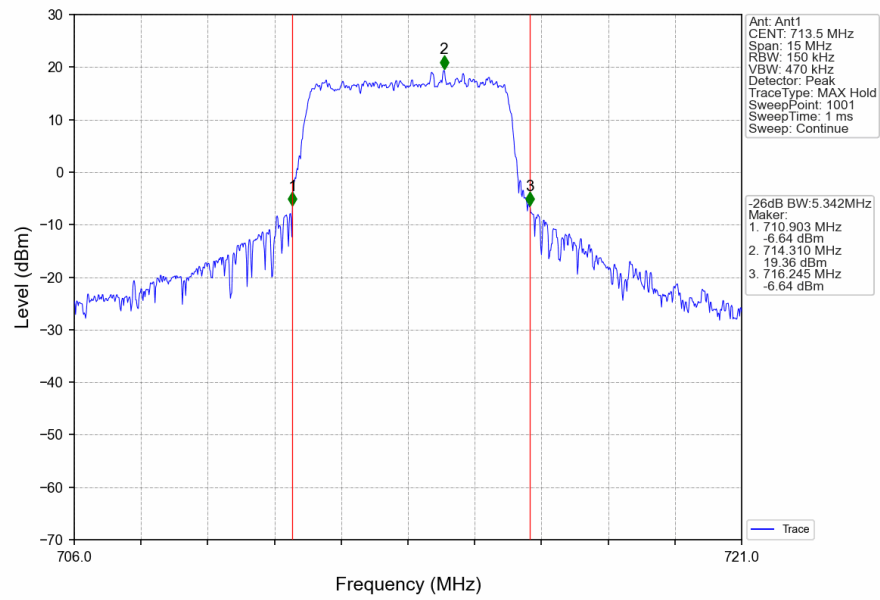
### 2.2.1 Test Result

| Band: 17 / NTNV |            |                 |               |        |                      |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) | Verdict |
|                 |            |                 | Size          | Offset | Result               |         |
| 5               | QPSK       | 706.5           | 25            | 0      | 5.606                | Pass    |
|                 |            | 710             | 25            | 0      | 5.806                | Pass    |
|                 |            | 713.5           | 25            | 0      | 5.342                | Pass    |
|                 | 16QAM      | 706.5           | 25            | 0      | 5.596                | Pass    |
|                 |            | 710             | 25            | 0      | 5.732                | Pass    |
|                 |            | 713.5           | 25            | 0      | 5.586                | Pass    |
| 10              | QPSK       | 709             | 50            | 0      | 10.694               | Pass    |
|                 |            | 710             | 50            | 0      | 10.389               | Pass    |
|                 |            | 711             | 50            | 0      | 10.554               | Pass    |
|                 | 16QAM      | 709             | 50            | 0      | 10.620               | Pass    |
|                 |            | 710             | 50            | 0      | 10.421               | Pass    |
|                 |            | 711             | 50            | 0      | 10.590               | Pass    |

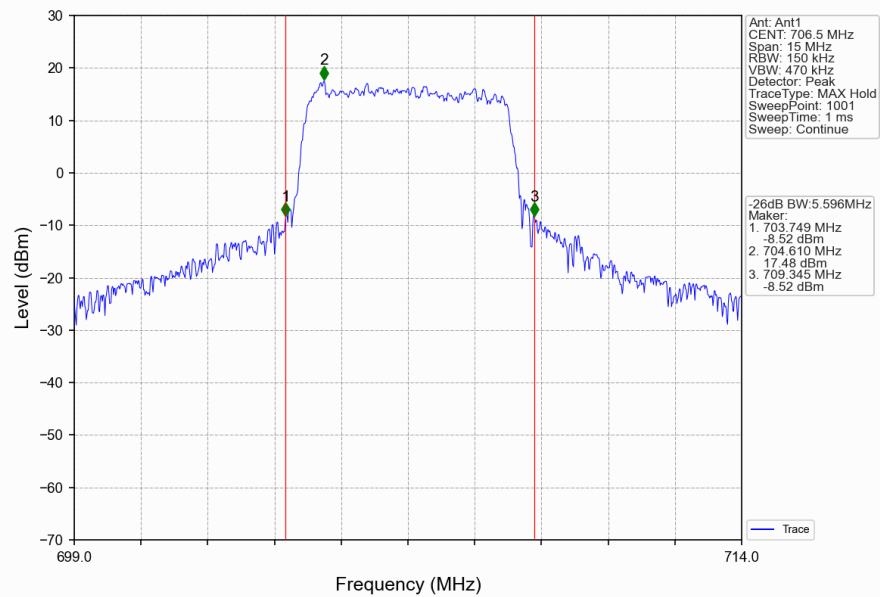
2.2.2 Test Graph



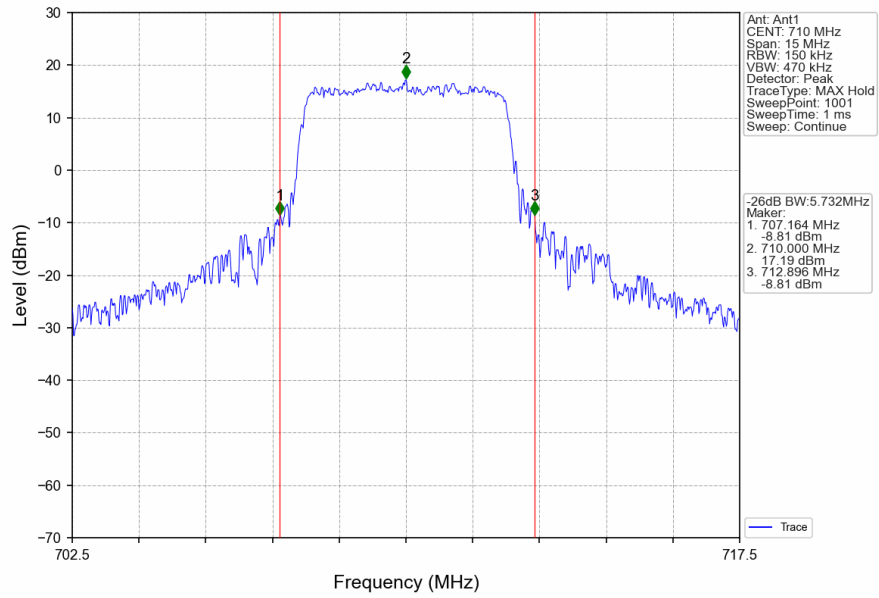
Band17\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



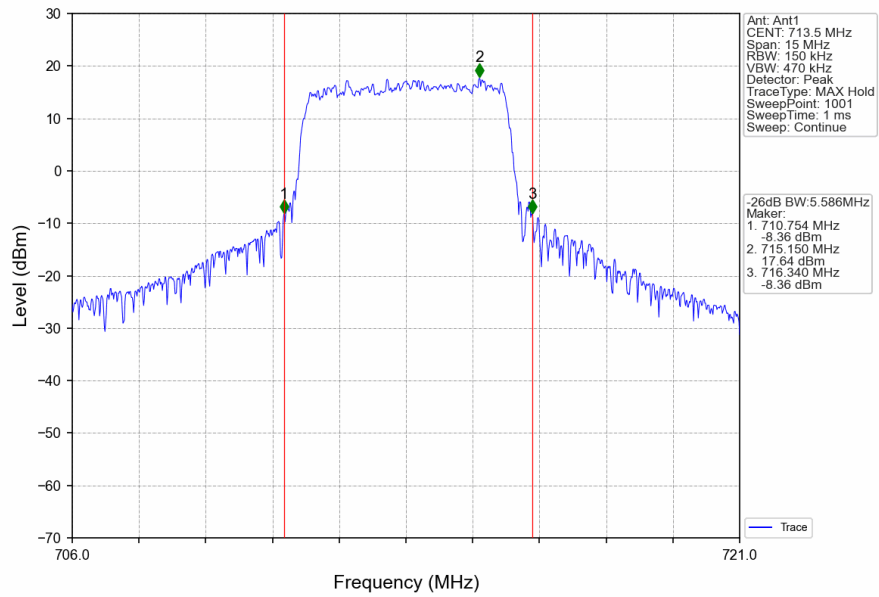
Band17\_5MHz\_16QAM\_LCH\_706.5MHz\_RB\_25\_0\_NTNV



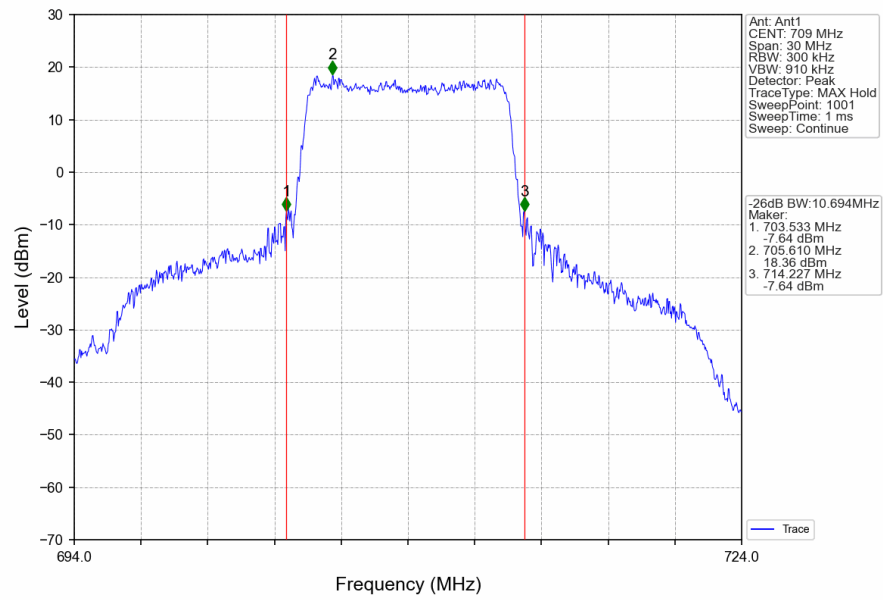
Band17\_5MHz\_16QAM\_MCH\_710MHz\_RB\_25\_0\_NTNV



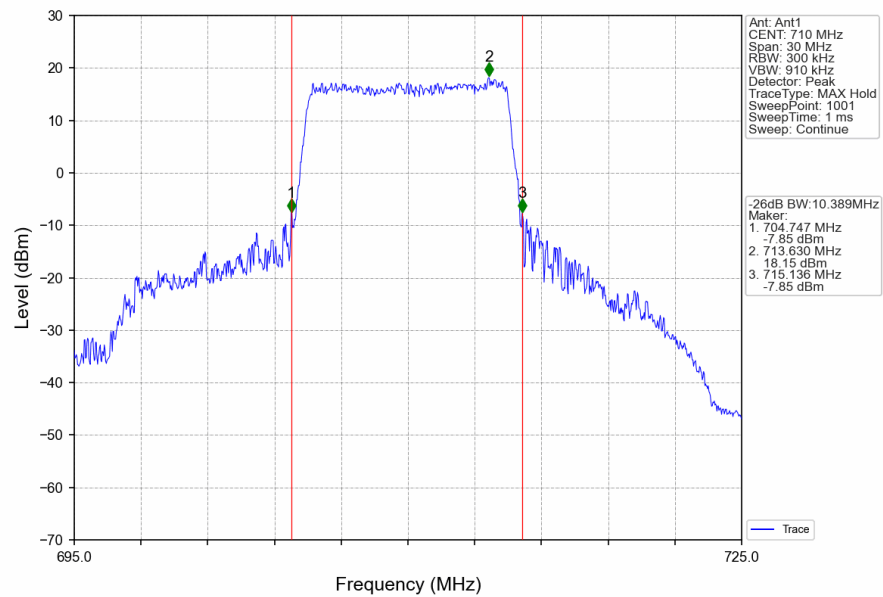
Band17\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



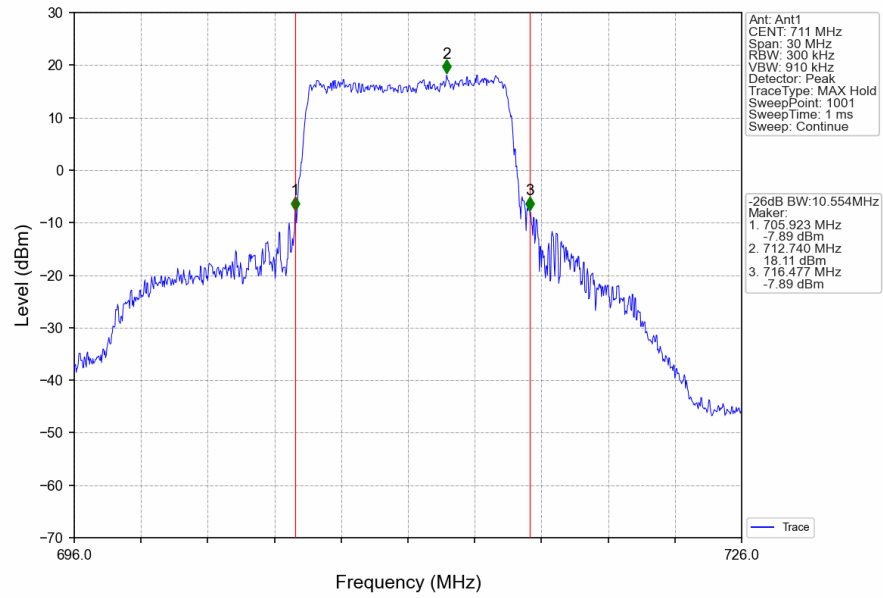
# Band17\_10MHz\_QPSK\_LCH\_709MHz\_RB\_50\_0\_NTNV



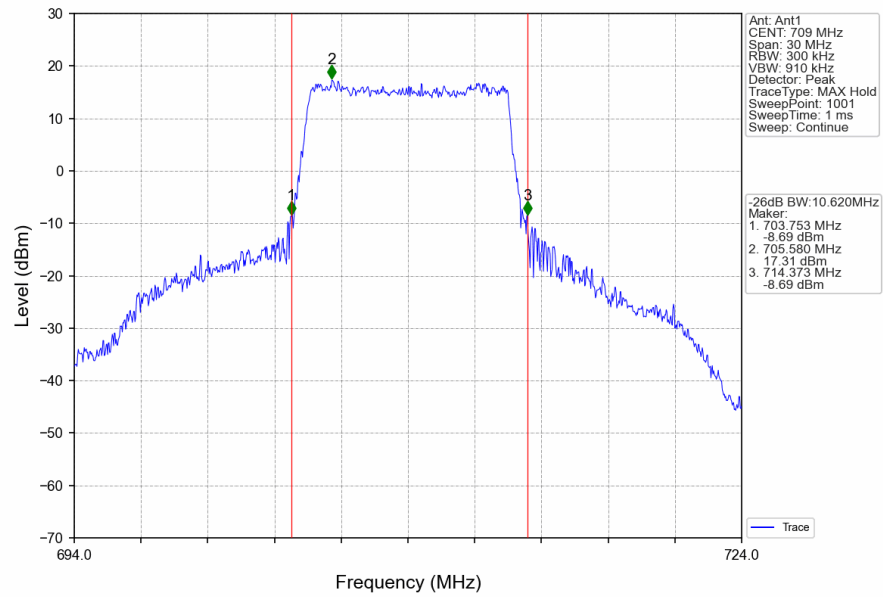
# Band17\_10MHz\_QPSK\_MCH\_710MHz\_RB\_50\_0\_NTNV



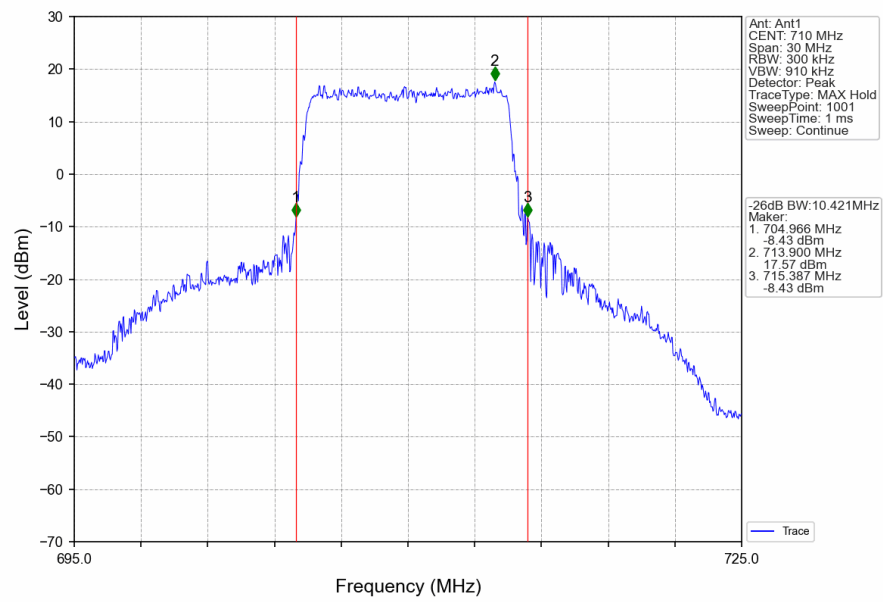
Band17\_10MHz\_QPSK\_HCH\_711MHz\_RB\_50\_0\_NTNV



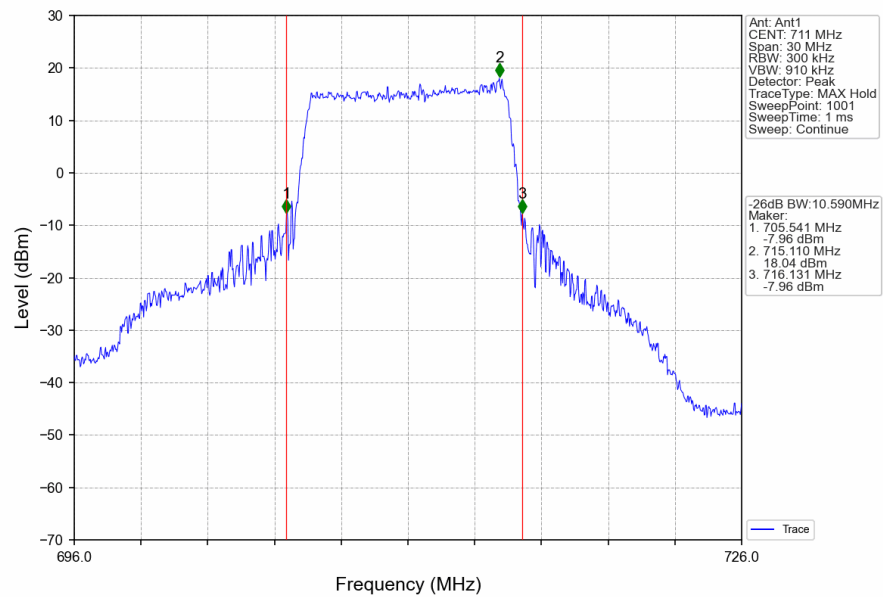
Band17\_10MHz\_16QAM\_LCH\_709MHz\_RB\_50\_0\_NTNV



Band17\_10MHz\_16QAM\_MCH\_710MHz\_RB\_50\_0\_NTNV



Band17\_10MHz\_16QAM\_HCH\_711MHz\_RB\_50\_0\_NTNV





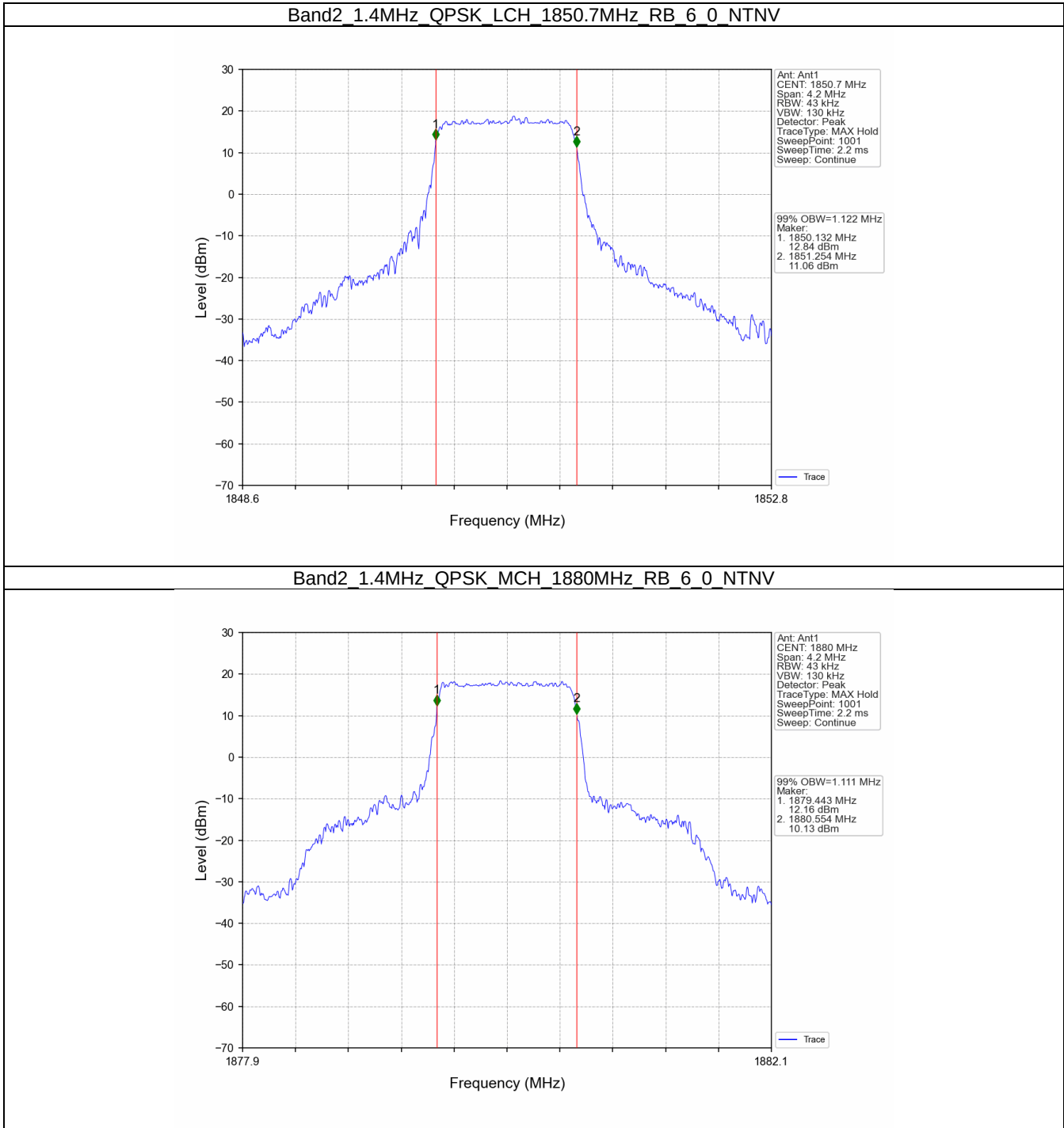
### 3. 99% & 26dB Bandwidth

#### 3.1 Band2\_OBW

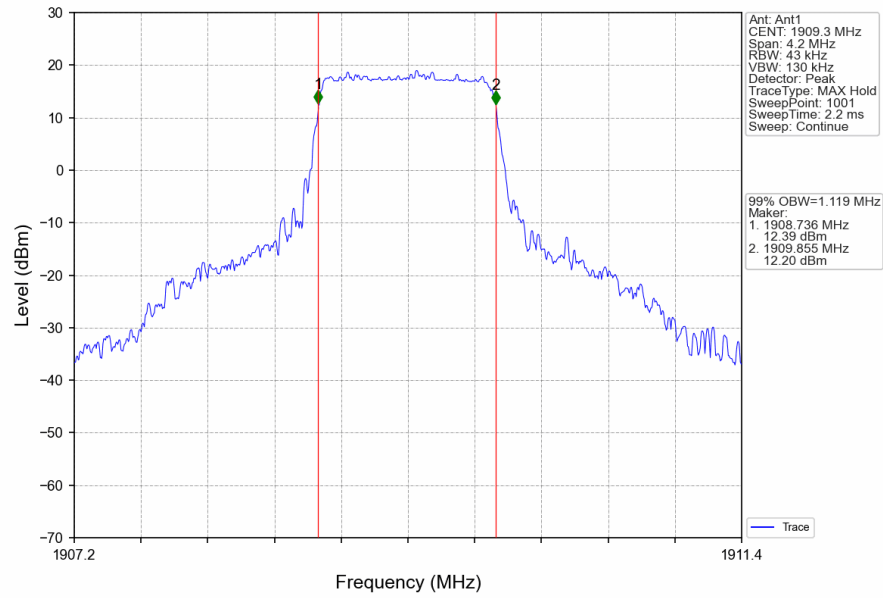
##### 3.1.1 Test Result

| Band: 2 / NTNV  |            |                 |               |        |                              |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) | Verdict |
|                 |            |                 | Size          | Offset | Result                       |         |
| 1.4             | QPSK       | 1850.7          | 6             | 0      | 1.122                        | Pass    |
|                 |            | 1880            | 6             | 0      | 1.111                        | Pass    |
|                 |            | 1909.3          | 6             | 0      | 1.119                        | Pass    |
|                 | 16QAM      | 1850.7          | 6             | 0      | 1.121                        | Pass    |
|                 |            | 1880            | 6             | 0      | 1.126                        | Pass    |
|                 |            | 1909.3          | 6             | 0      | 1.116                        | Pass    |
| 3               | QPSK       | 1851.5          | 15            | 0      | 2.772                        | Pass    |
|                 |            | 1880            | 15            | 0      | 2.769                        | Pass    |
|                 |            | 1908.5          | 15            | 0      | 2.781                        | Pass    |
|                 | 16QAM      | 1851.5          | 15            | 0      | 2.760                        | Pass    |
|                 |            | 1880            | 15            | 0      | 2.778                        | Pass    |
|                 |            | 1908.5          | 15            | 0      | 2.756                        | Pass    |
| 5               | QPSK       | 1852.5          | 25            | 0      | 4.582                        | Pass    |
|                 |            | 1880            | 25            | 0      | 4.578                        | Pass    |
|                 |            | 1907.5          | 25            | 0      | 4.579                        | Pass    |
|                 | 16QAM      | 1852.5          | 25            | 0      | 4.562                        | Pass    |
|                 |            | 1880            | 25            | 0      | 4.611                        | Pass    |
|                 |            | 1907.5          | 25            | 0      | 4.617                        | Pass    |
| 10              | QPSK       | 1855            | 50            | 0      | 9.072                        | Pass    |
|                 |            | 1880            | 50            | 0      | 9.075                        | Pass    |
|                 |            | 1905            | 50            | 0      | 9.076                        | Pass    |
|                 | 16QAM      | 1855            | 50            | 0      | 9.087                        | Pass    |
|                 |            | 1880            | 50            | 0      | 9.131                        | Pass    |
|                 |            | 1905            | 50            | 0      | 9.086                        | Pass    |
| 15              | QPSK       | 1857.5          | 75            | 0      | 13.630                       | Pass    |
|                 |            | 1880            | 75            | 0      | 13.601                       | Pass    |
|                 |            | 1902.5          | 75            | 0      | 13.627                       | Pass    |
|                 | 16QAM      | 1857.5          | 75            | 0      | 13.637                       | Pass    |
|                 |            | 1880            | 75            | 0      | 13.655                       | Pass    |
|                 |            | 1902.5          | 75            | 0      | 13.643                       | Pass    |
| 20              | QPSK       | 1860            | 100           | 0      | 18.139                       | Pass    |
|                 |            | 1880            | 100           | 0      | 18.150                       | Pass    |
|                 |            | 1900            | 100           | 0      | 18.141                       | Pass    |
|                 | 16QAM      | 1860            | 100           | 0      | 18.203                       | Pass    |
|                 |            | 1880            | 100           | 0      | 18.192                       | Pass    |
|                 |            | 1900            | 100           | 0      | 18.162                       | Pass    |

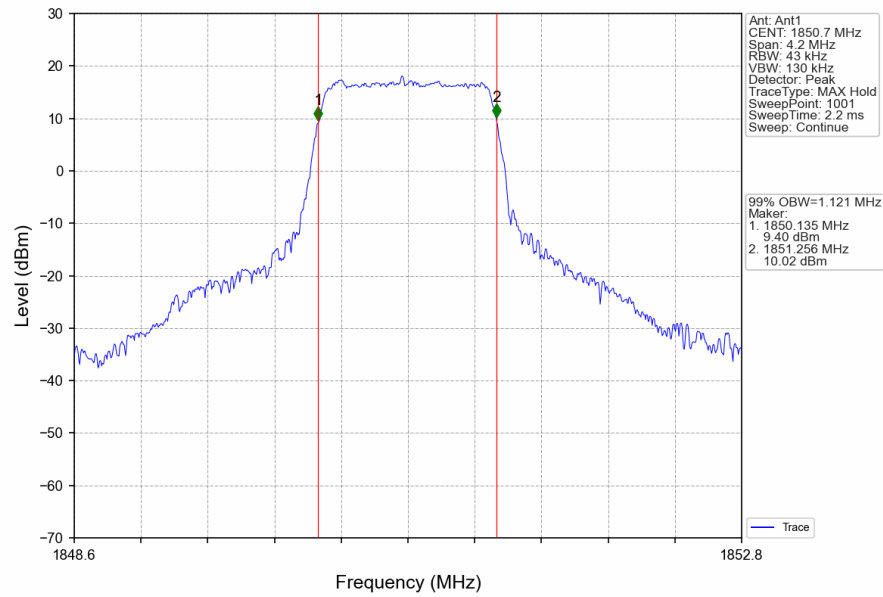
3.1.2 Test Graph



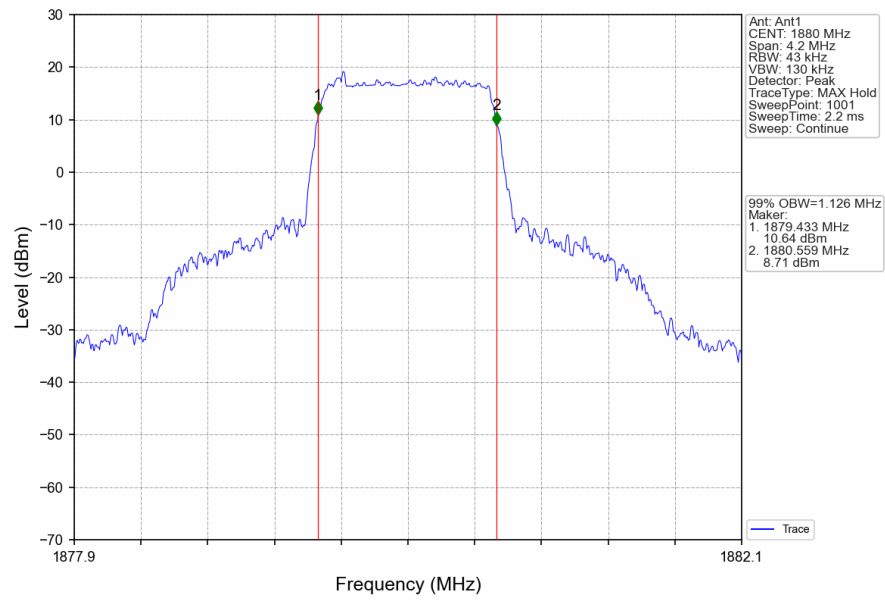
Band2\_1.4MHz\_QPSK\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV



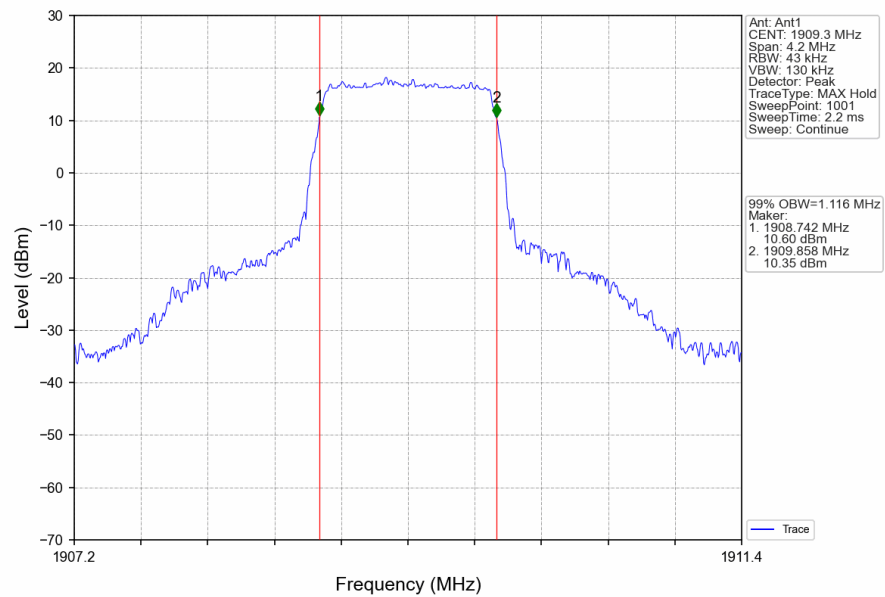
Band2\_1.4MHz\_16QAM\_LCH\_1850.7MHz\_RB\_6\_0\_NTNV



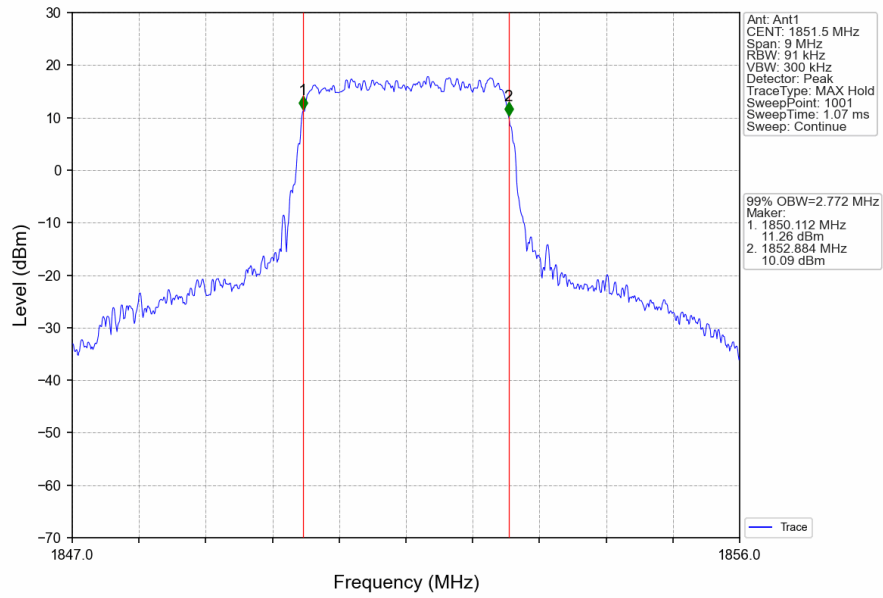
Band2\_1.4MHz\_16QAM\_MCH\_1880MHz\_RB\_6\_0\_NTNV



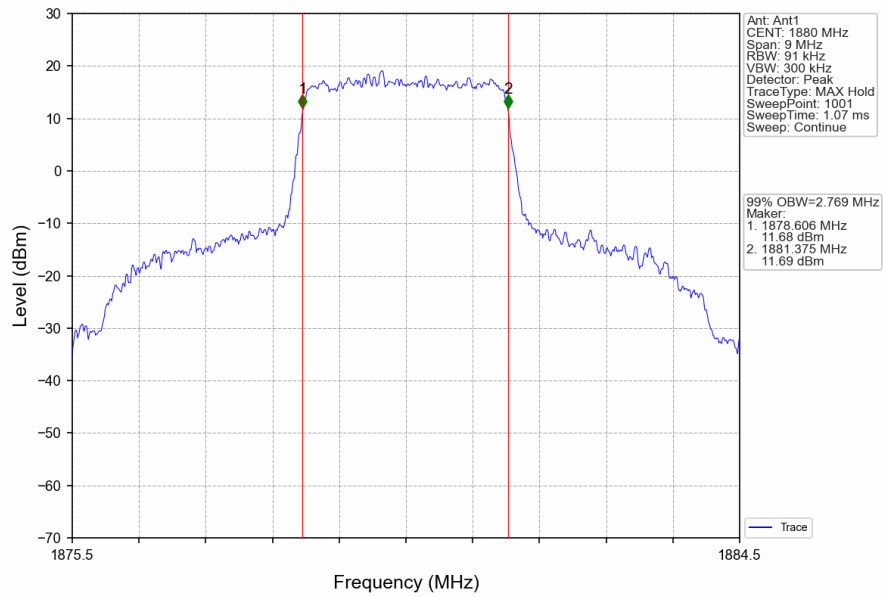
Band2\_1.4MHz\_16QAM\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV



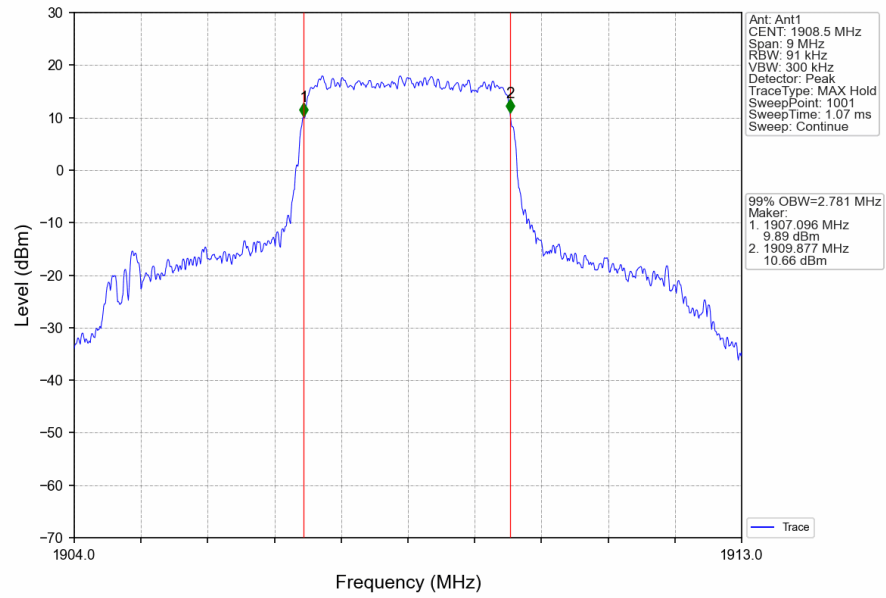
# Band2\_3MHz\_QPSK\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV



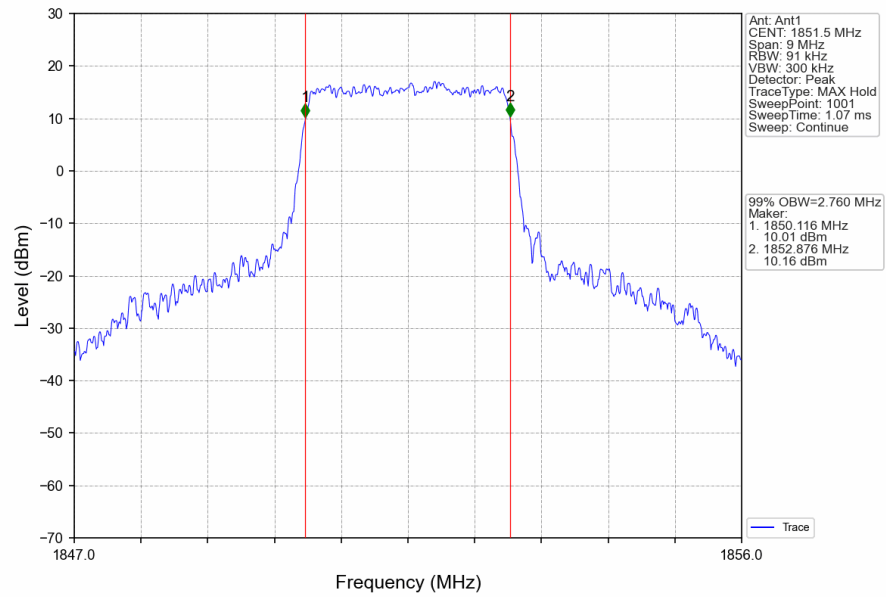
# Band2\_3MHz\_QPSK\_MCH\_1880MHz\_RB\_15\_0\_NTNV



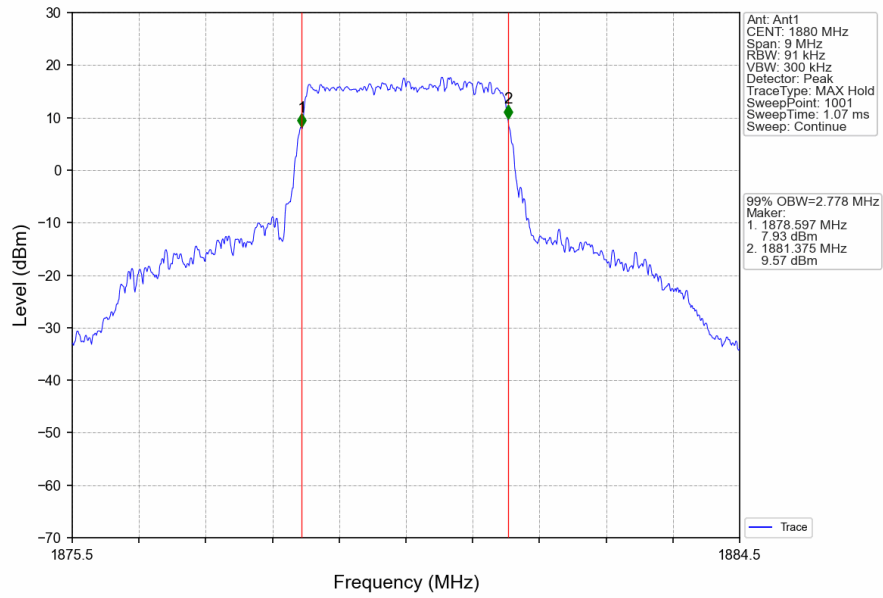
Band2\_3MHz\_QPSK\_HCH\_1908.5MHz\_RB\_15\_0\_NTNV



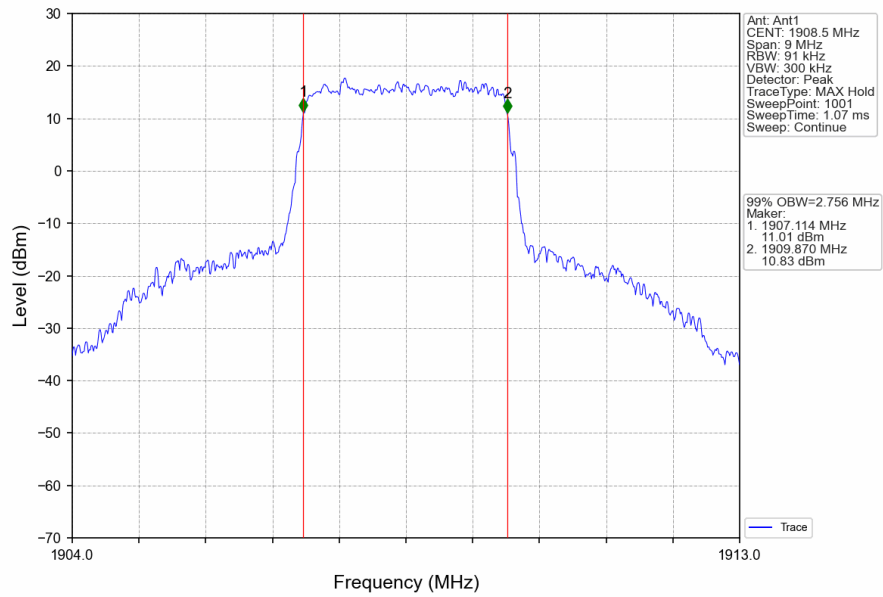
Band2\_3MHz\_16QAM\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV



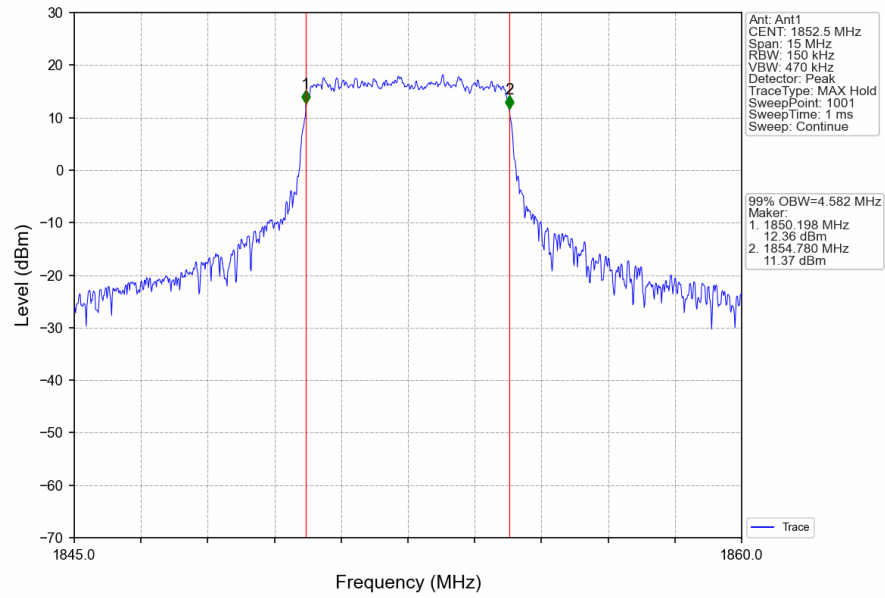
# Band2\_3MHz\_16QAM\_MCH\_1880MHz\_RB\_15\_0\_NTNV



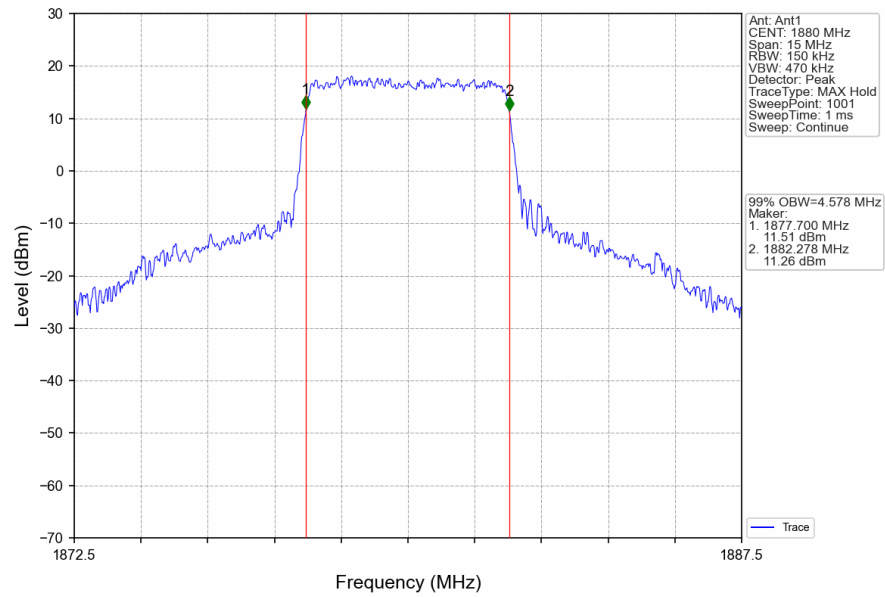
# Band2\_3MHz\_16QAM\_HCH\_1908.5MHz\_RB\_15\_0\_NTNV



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

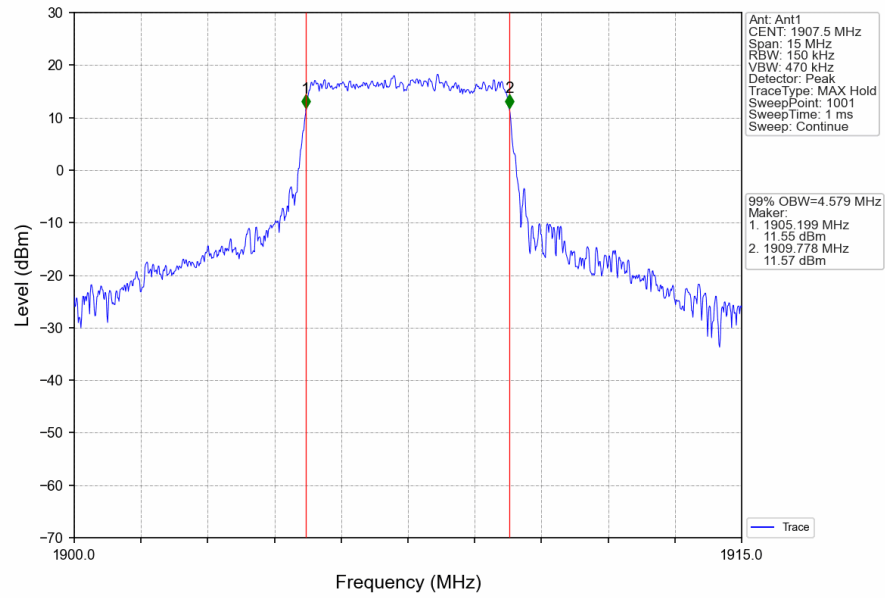


# Band2\_5MHz\_QPSK\_MCH\_1880MHz\_RB\_25\_0\_NTNV

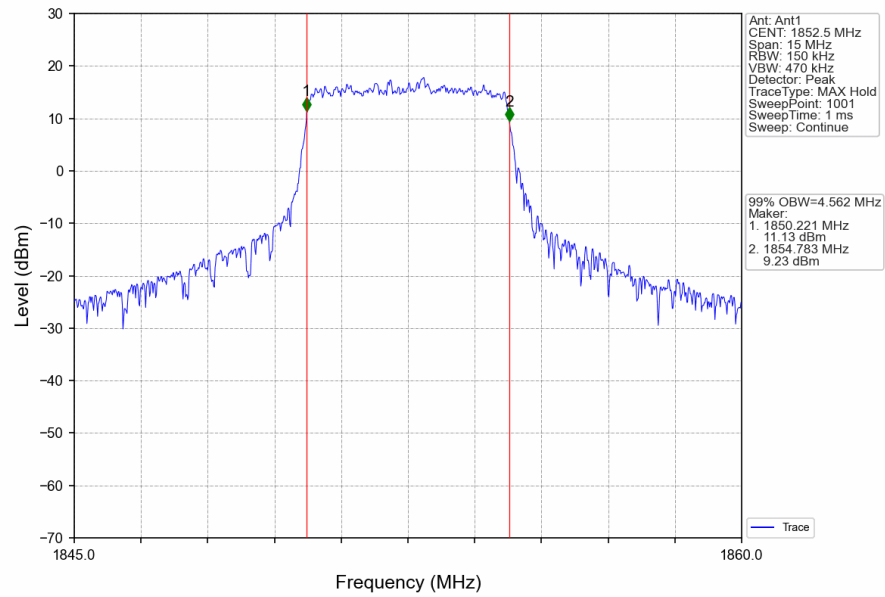




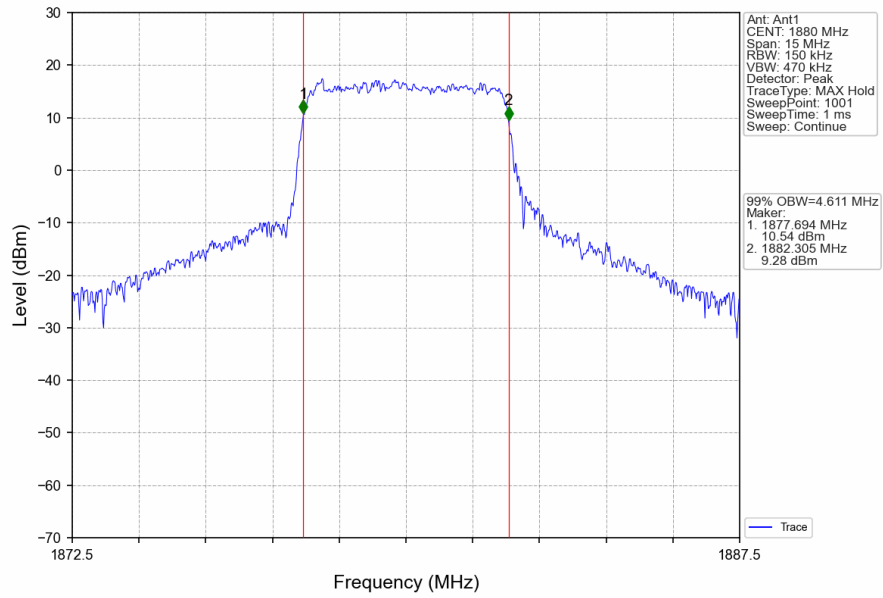
Band2\_5MHz\_QPSK\_HCH\_1907.5MHz\_RB\_25\_0\_NTNV



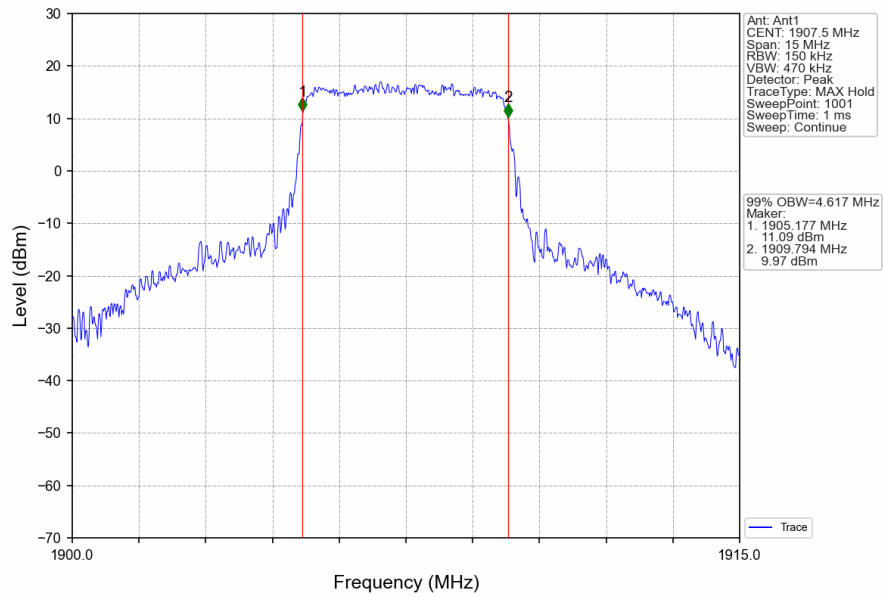
Band2\_5MHz\_16QAM\_LCH\_1852.5MHz\_RB\_25\_0\_NTNV



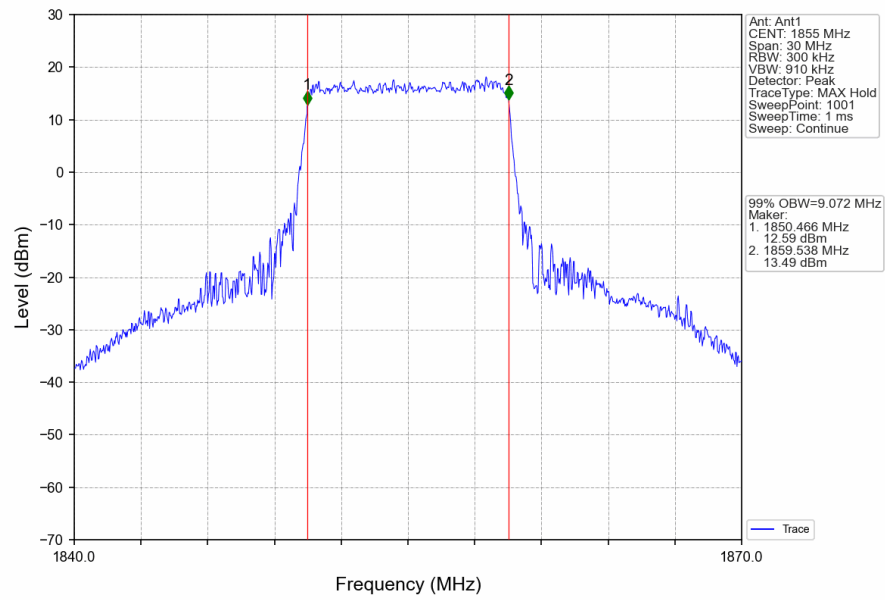
# Band2 5MHz 16QAM MCH 1880MHz RB 25\_0 NTN



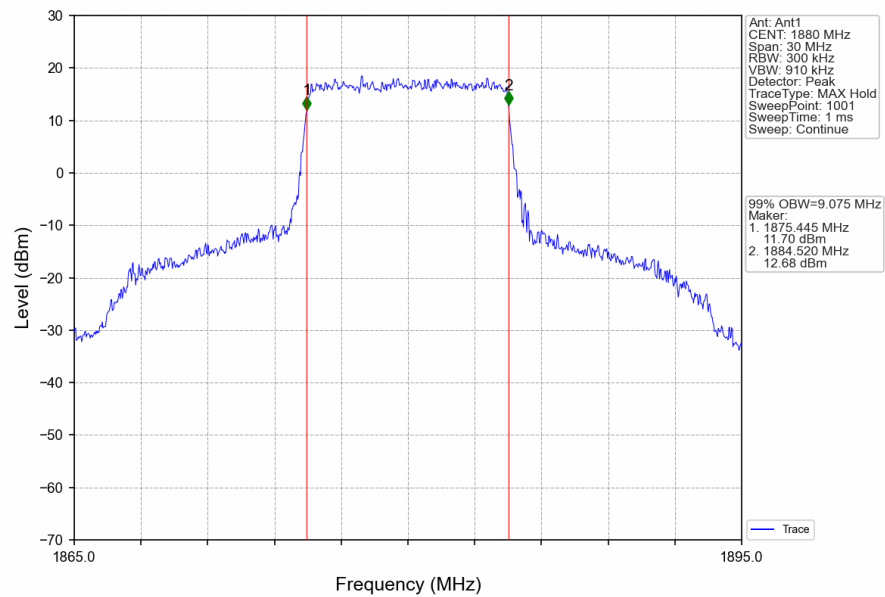
# Band2\_5MHz\_16QAM\_HCH\_1907.5MHz\_RB\_25\_0 NTN



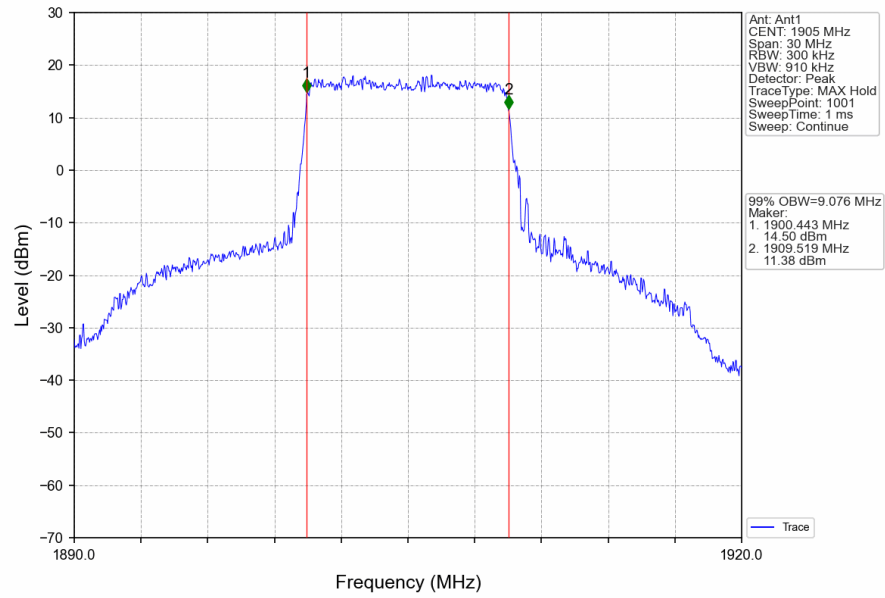
# Band2 10MHz QPSK LCH 1855MHz RB 50 0 NTN



# Band2 10MHz QPSK MCH 1880MHz RB 50 0 NTN



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



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

