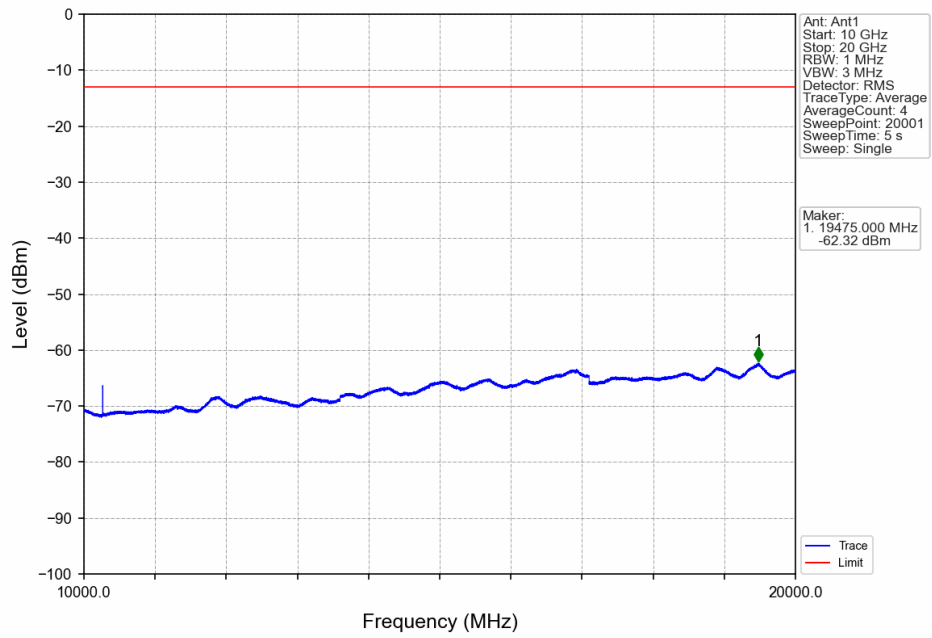
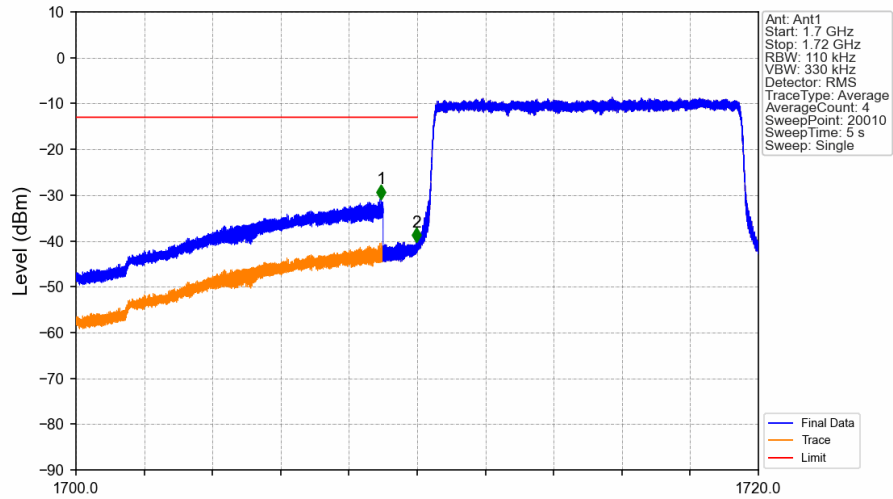


Band4 10MHz 16QAM LCH 1715MHz RB 1 0 NTNV

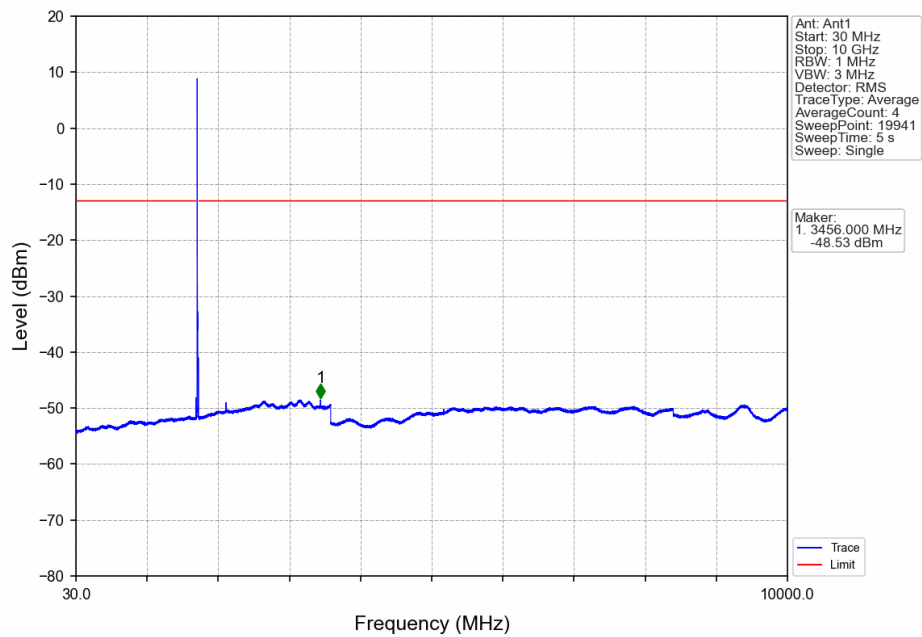


Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTNV

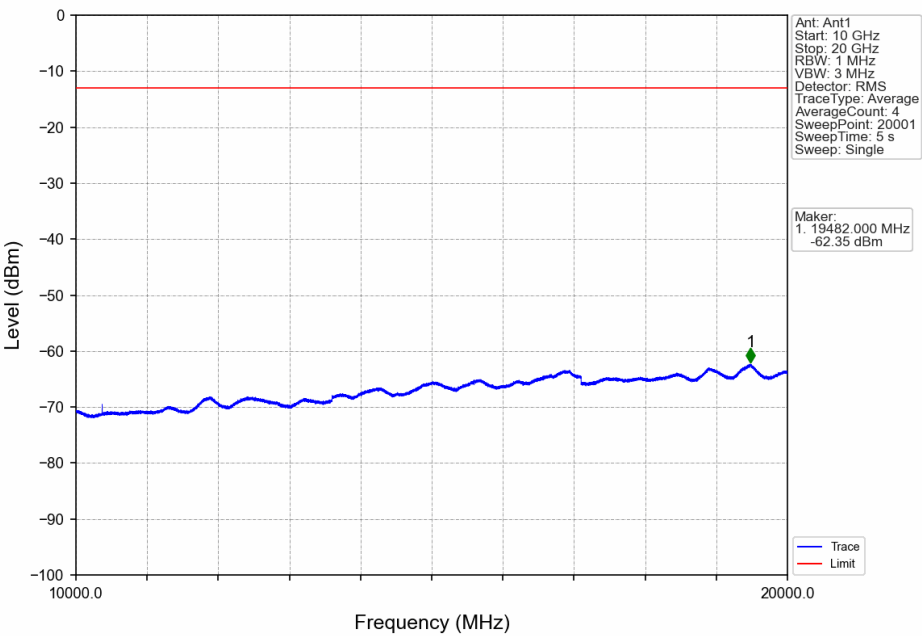


| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 1700        | 1709       | 1         | 9.59           | 1          | 1708.944   | -30.83      | -13         | Pass   |
| 1709        | 1710       | 0.11      | 0              | 2          | 1709.976   | -40.24      | -13         | Pass   |
| 1710        | 1720       | 0.11      | 0              | /          | /          | /           | /           | /      |

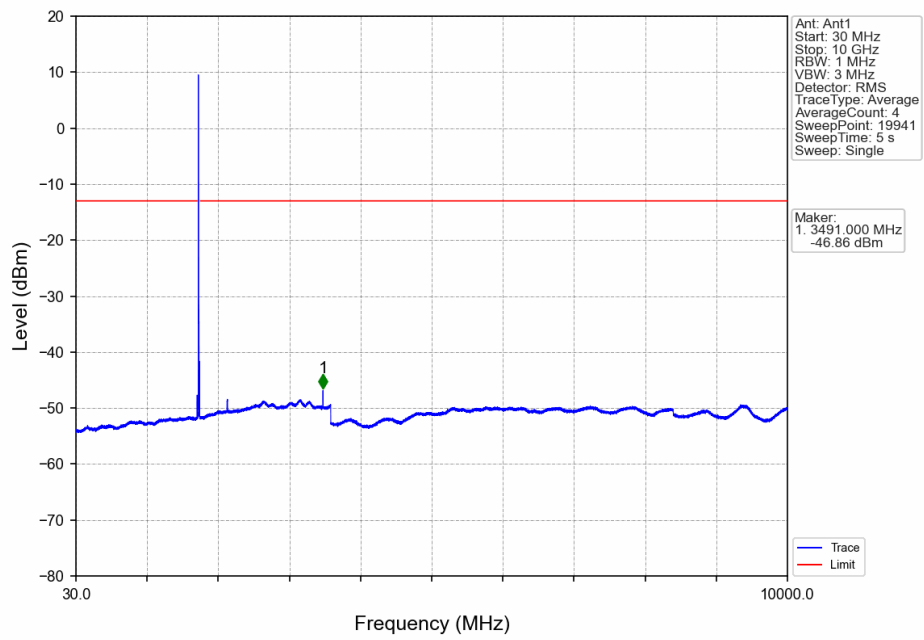
Band4 10MHz 16QAM MCH 1732.5MHz RB 1 0 NTV



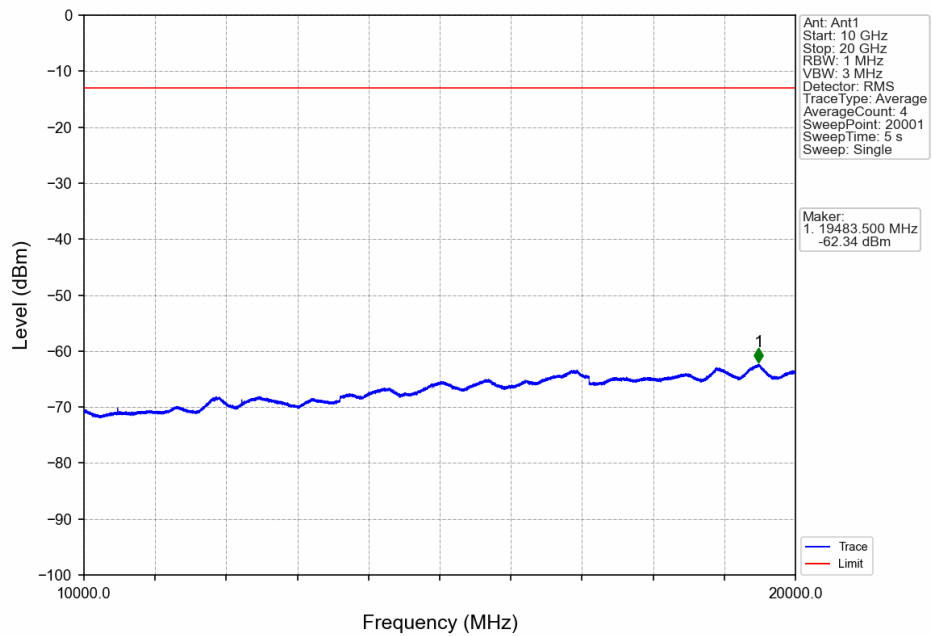
Band4 10MHz 16QAM MCH 1732.5MHz RB 1 0 NTV



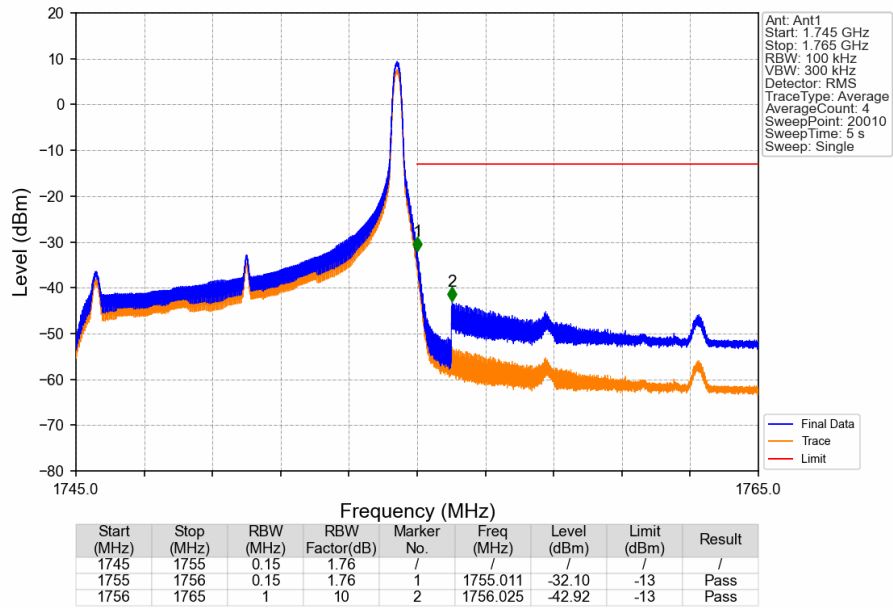
Band4 10MHz 16QAM HCH 1750MHz RB 1 0 NTNV



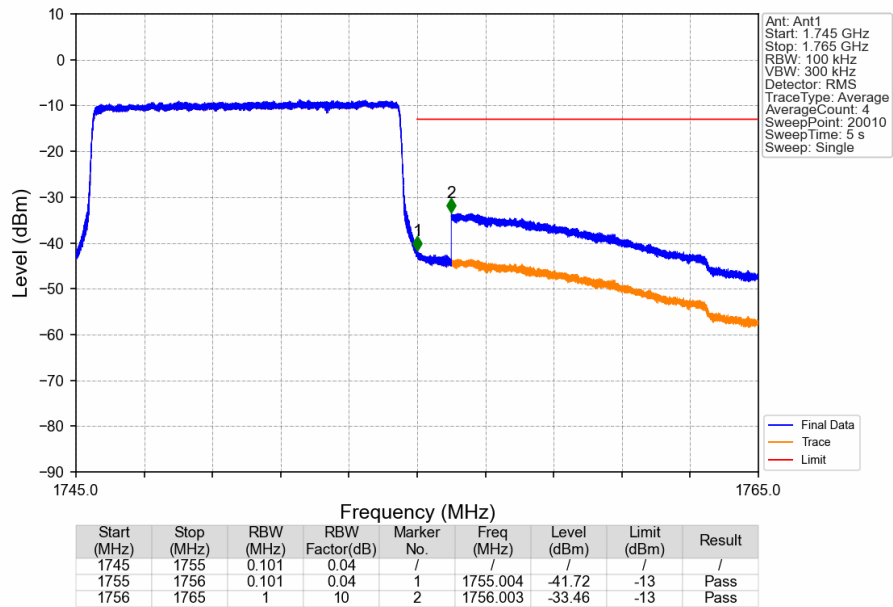
Band4 10MHz 16QAM HCH 1750MHz RB 1 0 NTNV



Band4 10MHz 16QAM HCH 1750MHz RB 1 49 NTNV



Band4 10MHz 16QAM HCH 1750MHz RB 50 0 NTNV

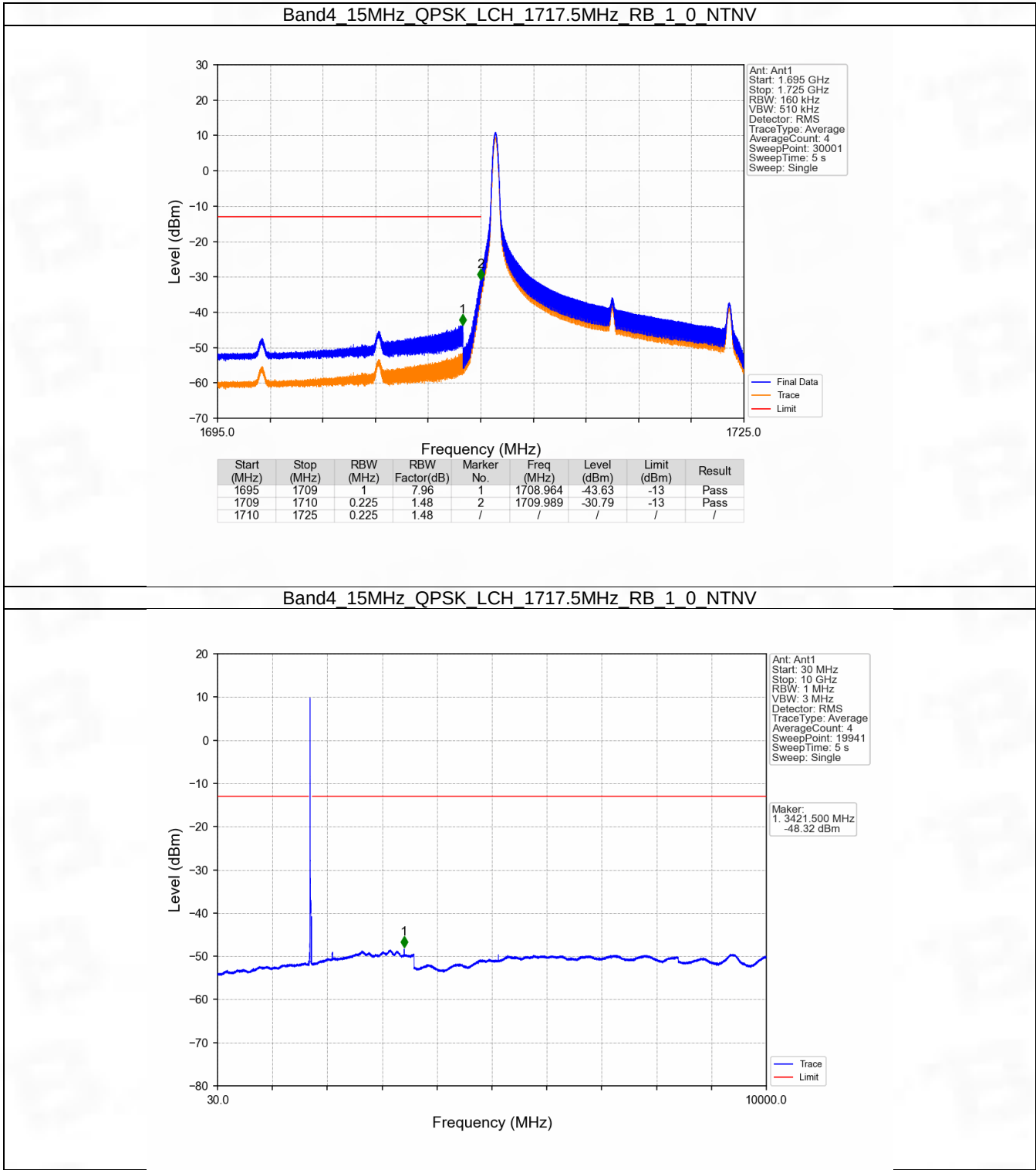


## 6.5 B4\_15MHz

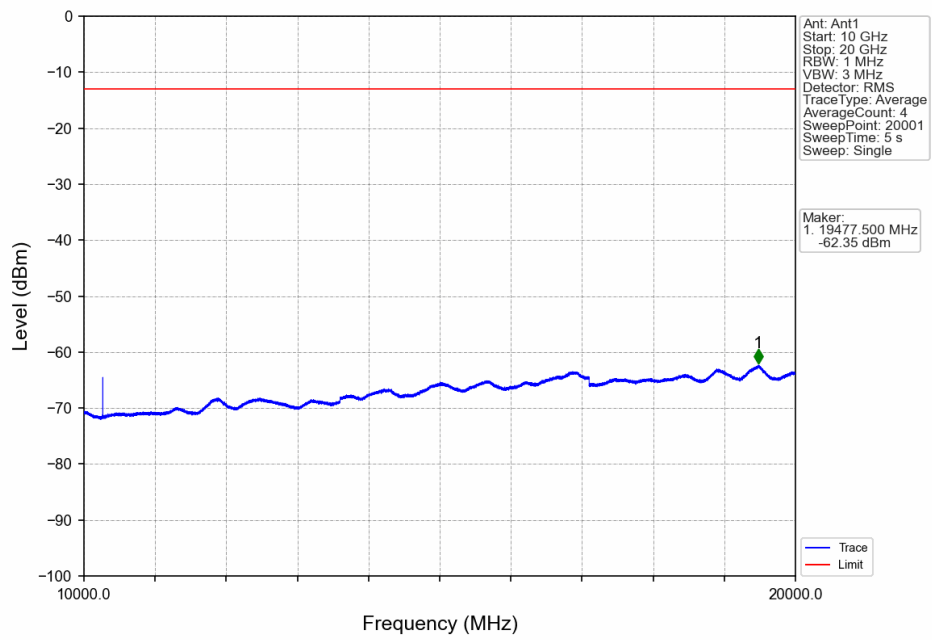
### 6.5.1 Test Result

| Band: 4 / Bandwidth: 15MHz / NTVN |                 |               |        |                     |       |         |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                   |                 | Size          | Offset | Result              | Limit |         |
| QPSK                              | 1717.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 75            | 0      | Refer To Test Graph |       | Pass    |
|                                   | 1732.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   | 1747.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 74     | Refer To Test Graph |       | Pass    |
|                                   |                 | 75            | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                             | 1717.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 75            | 0      | Refer To Test Graph |       | Pass    |
|                                   | 1732.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   | 1747.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 74     | Refer To Test Graph |       | Pass    |
|                                   |                 | 75            | 0      | Refer To Test Graph |       | Pass    |

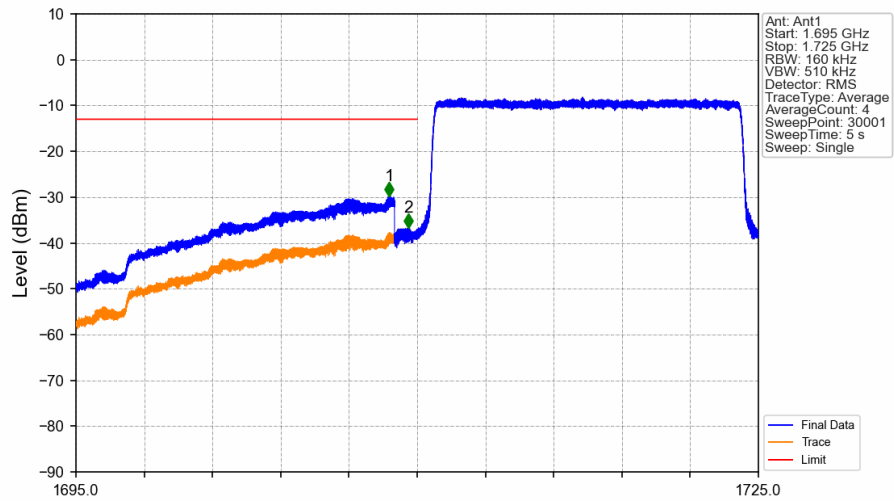
6.5.2 Test Graph



# Band4 15MHz QPSK LCH 1717.5MHz RB 1 0 NTNV

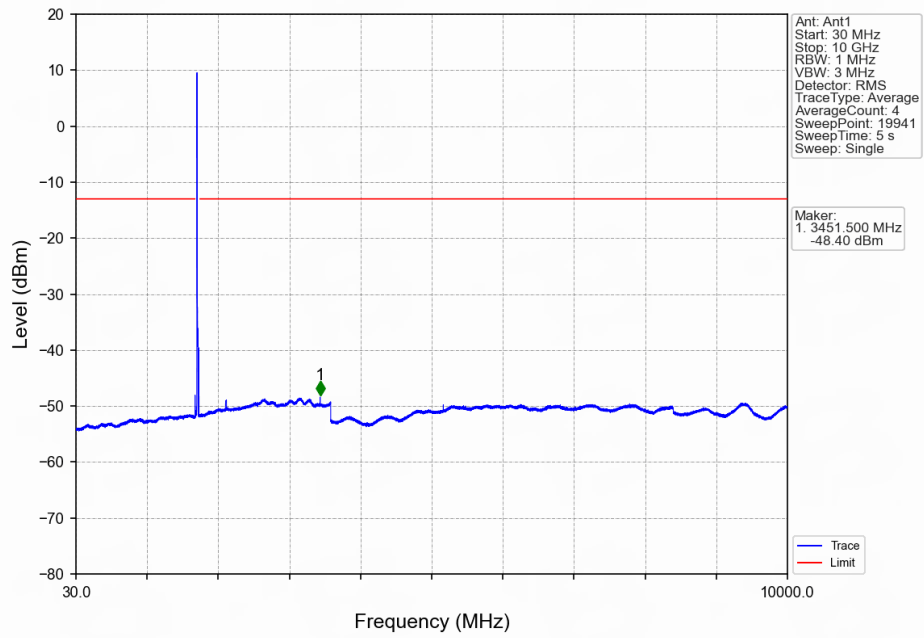


# Band4 15MHz QPSK LCH 1717.5MHz RB 75 0 NTNV

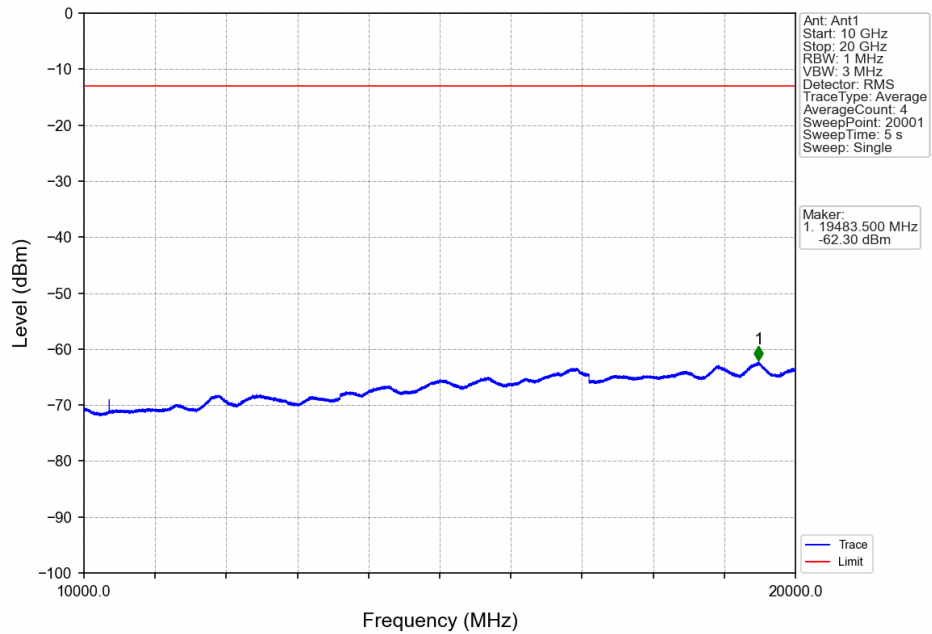


| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 1695        | 1709       | 1         | 7.96           | 1          | 1708.767   | -29.76      | -13         | Pass   |
| 1709        | 1710       | 0.16      | 0              | 2          | 1709.613   | -36.67      | -13         | Pass   |
| 1710        | 1725       | 0.16      | 0              | /          | /          | /           | /           | /      |

Band4\_15MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV

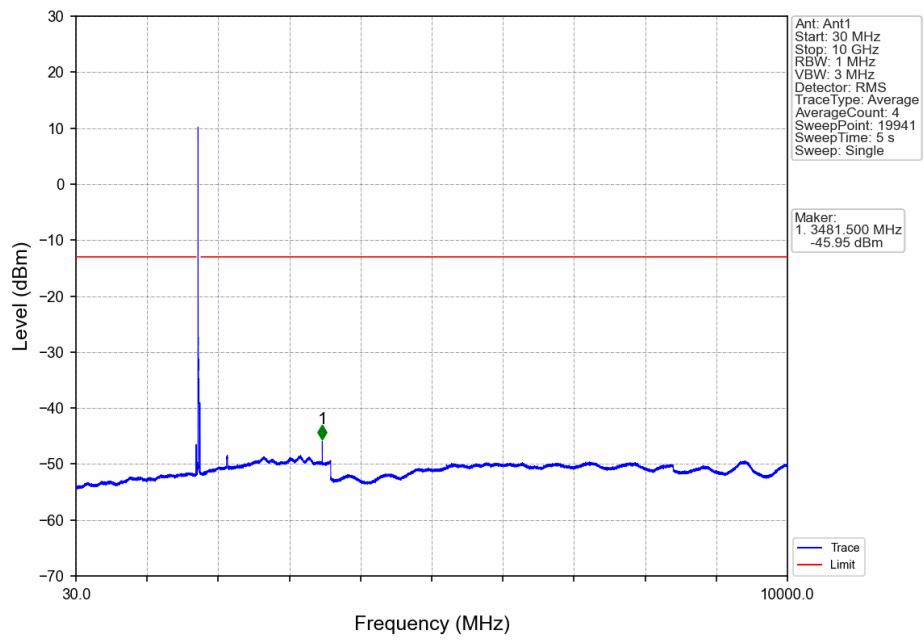


Band4\_15MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV

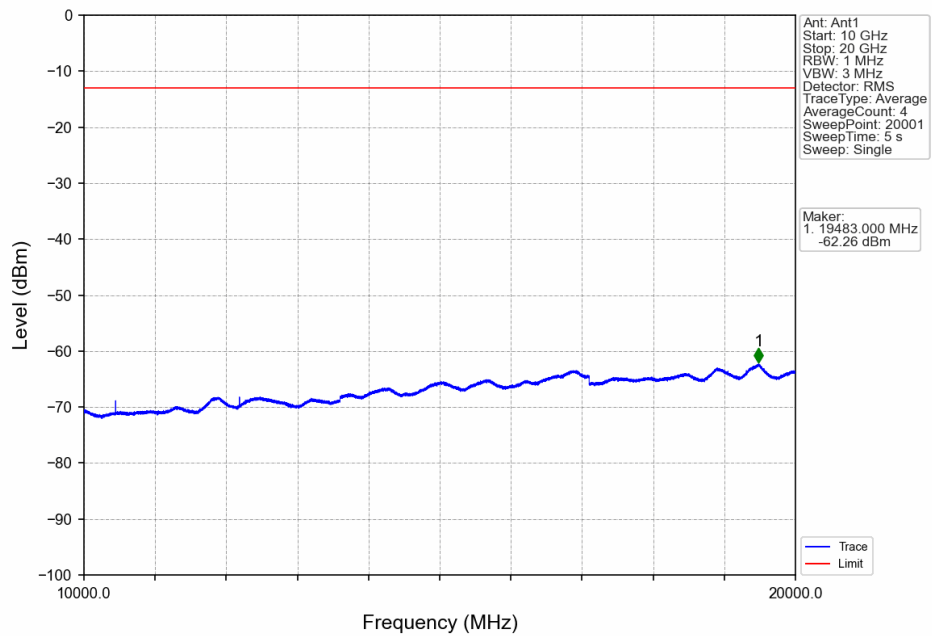




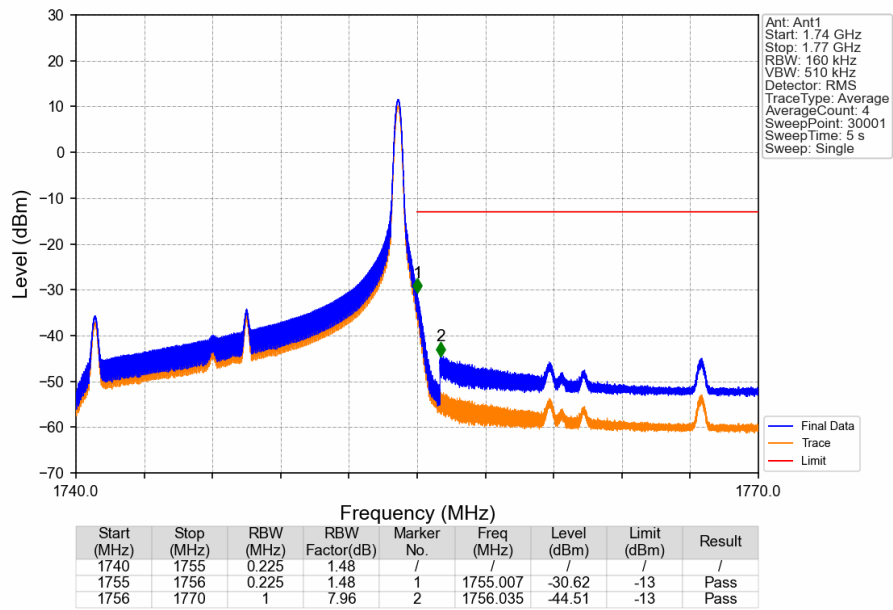
Band4 15MHz QPSK HCH 1747.5MHz RB 1 0 NTNV



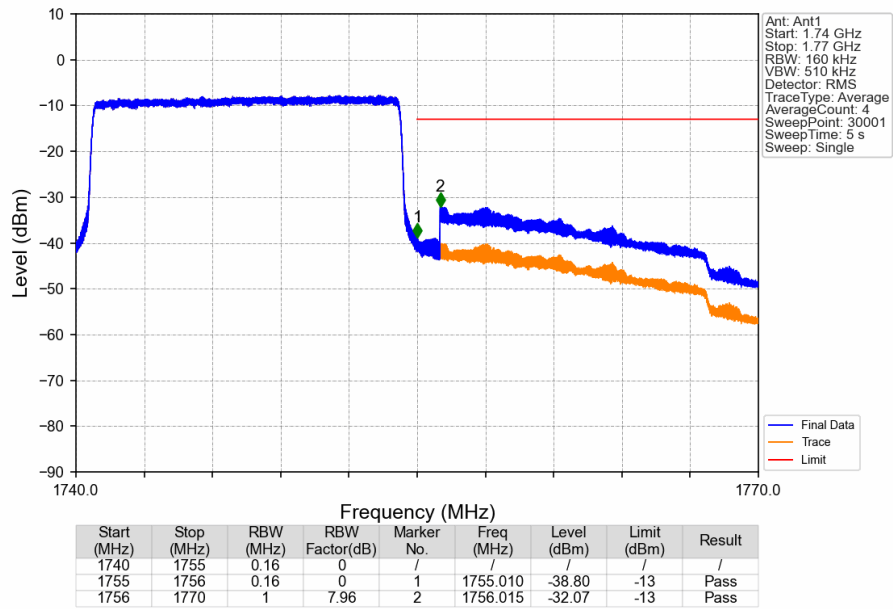
Band4 15MHz QPSK HCH 1747.5MHz RB 1 0 NTNV



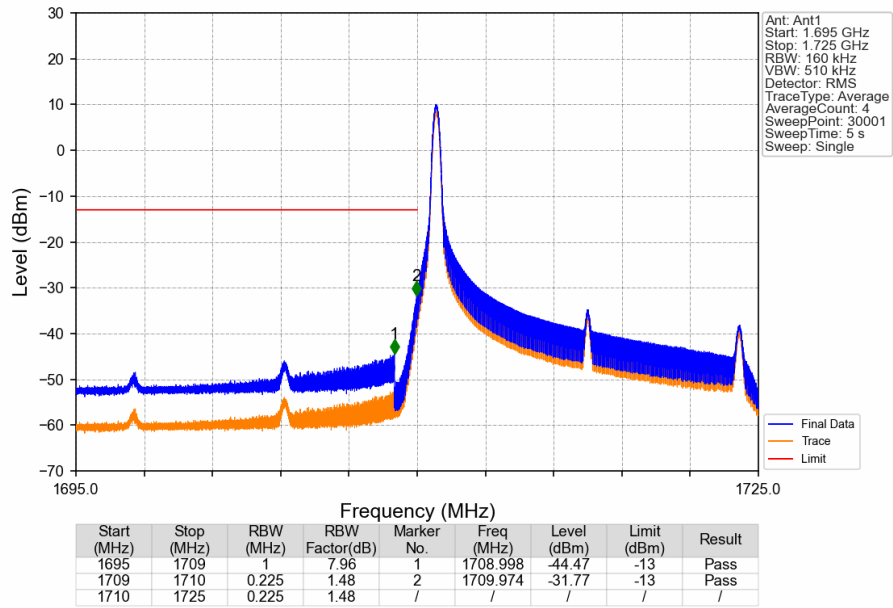
# Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_1\_74\_NTNV



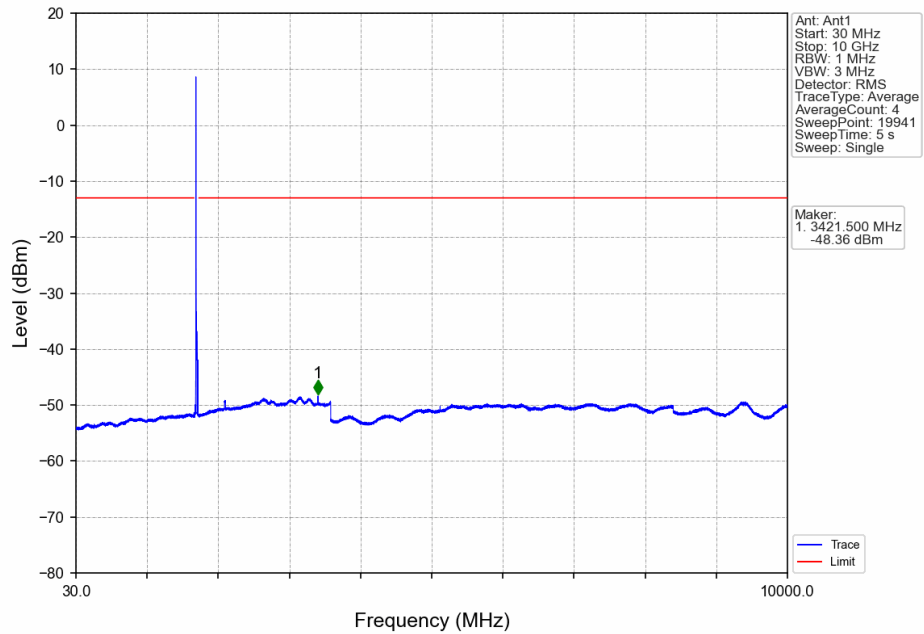
# Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV



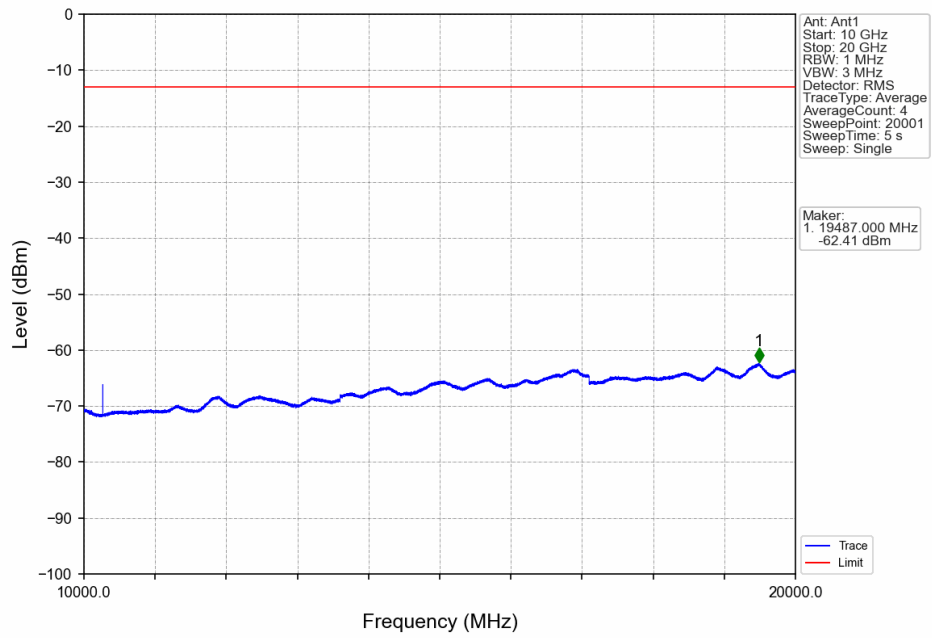
Band4\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_1\_0\_NTNV



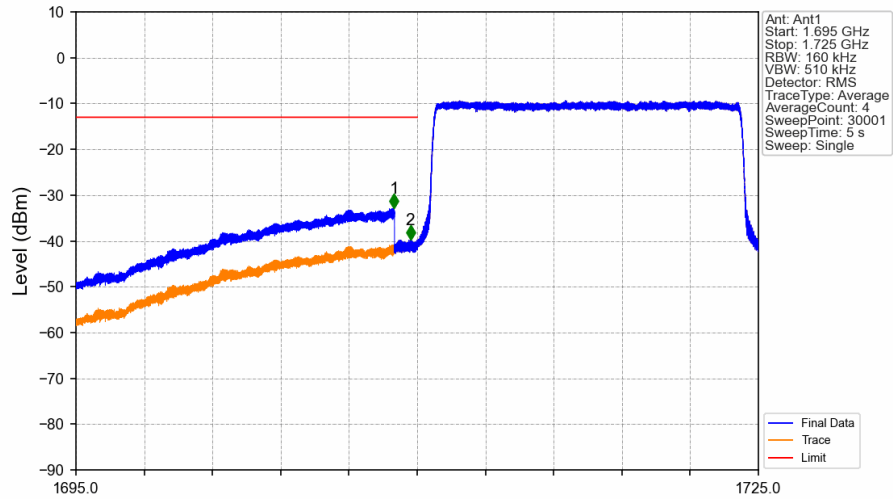
Band4\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_1\_0\_NTNV



Band4\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_1\_0\_NTNV

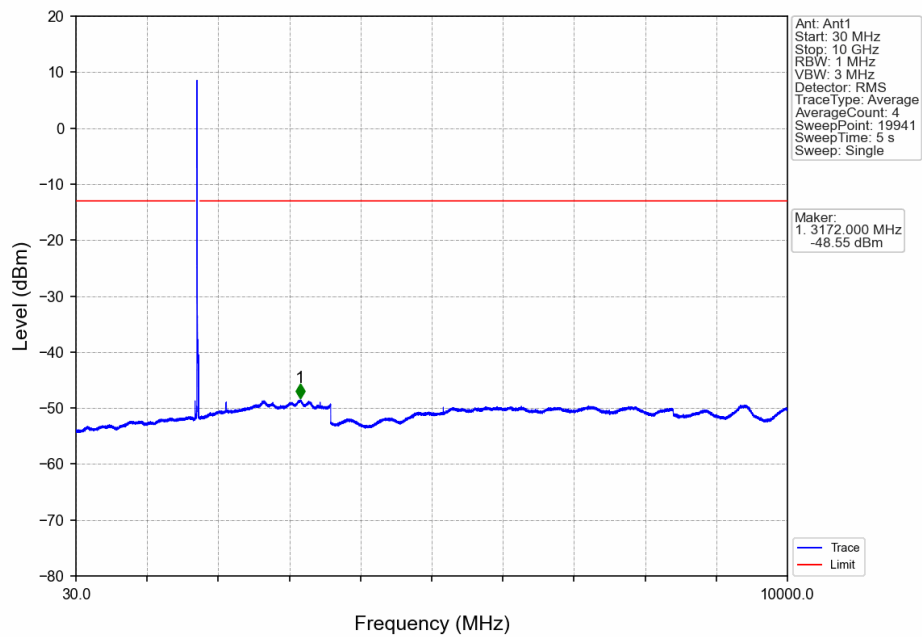


Band4\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV

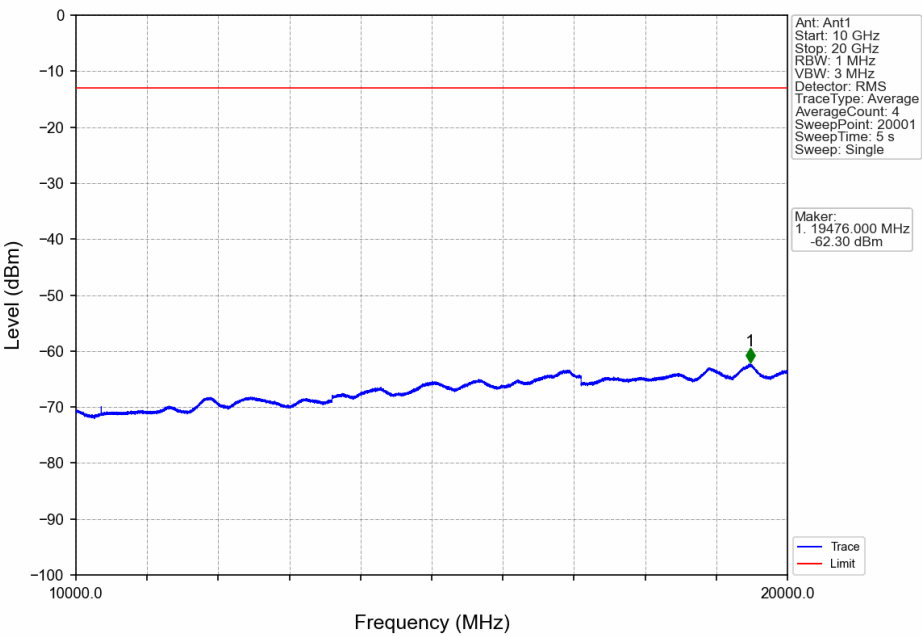


| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 1695        | 1709       | 1         | 7.96           | 1          | 1708.977   | -32.91      | -13         | Pass   |
| 1709        | 1710       | 0.16      | 0              | 2          | 1709.700   | -39.77      | -13         | Pass   |
| 1710        | 1725       | 0.16      | 0              | /          | /          | /           | /           | /      |

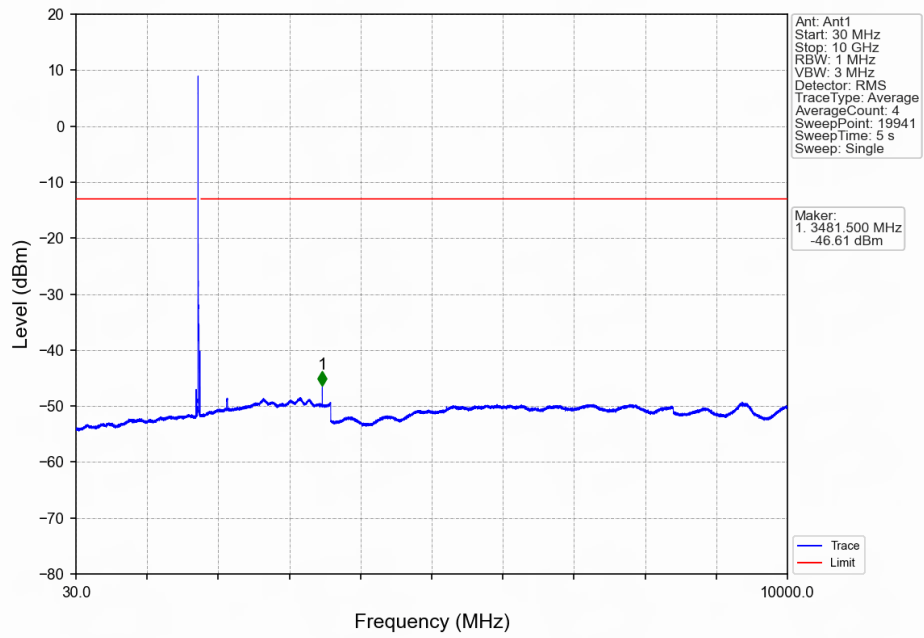
Band4 15MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



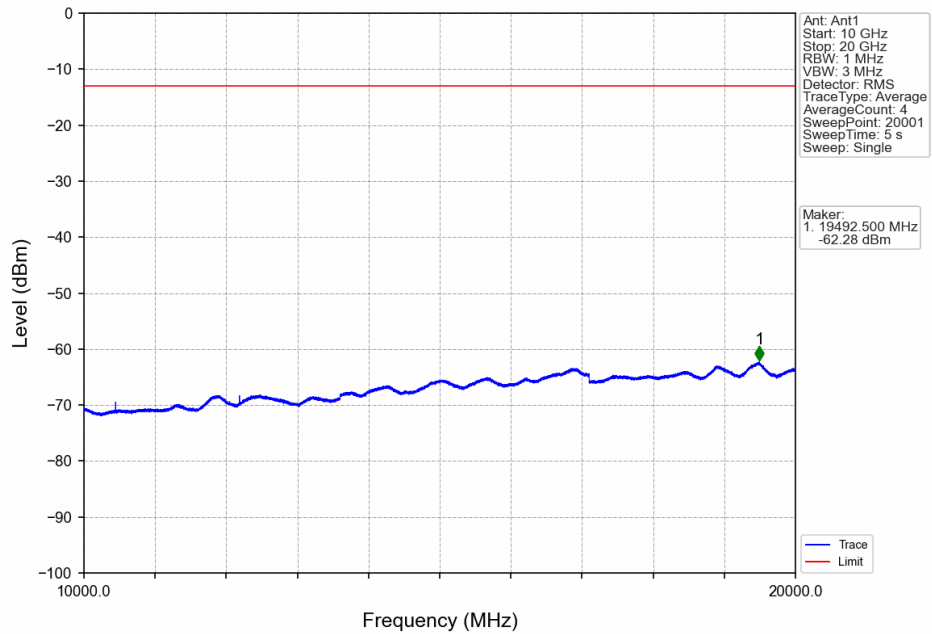
Band4 15MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



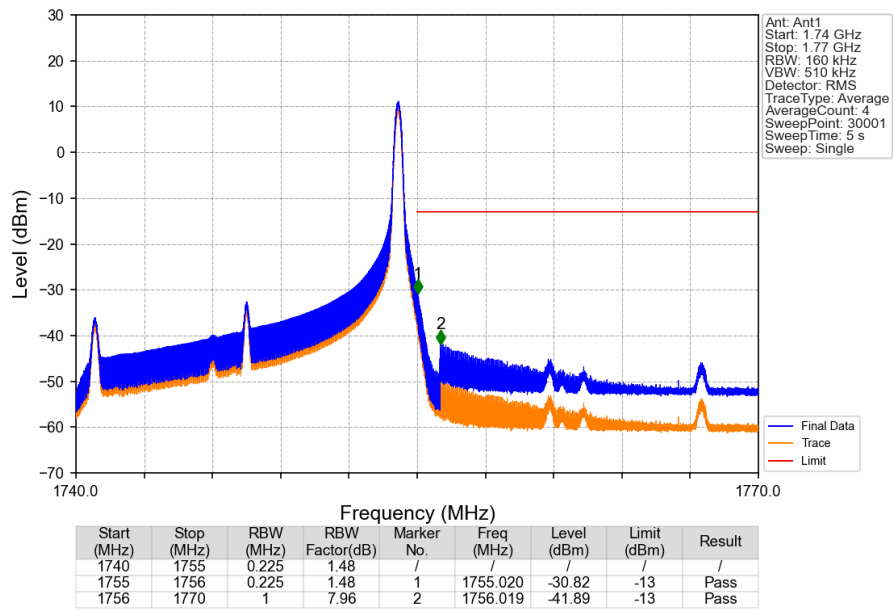
Band4 15MHz 16QAM HCH 1747.5MHz RB 1 0 NTVN



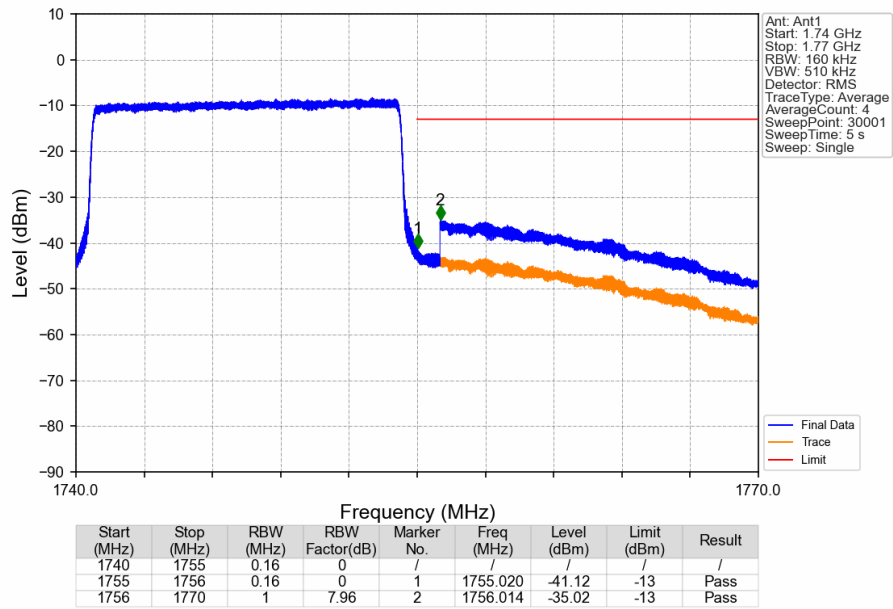
Band4 15MHz 16QAM HCH 1747.5MHz RB 1 0 NTVN



Band4 15MHz 16QAM HCH 1747.5MHz RB 1 74 NTN



Band4 15MHz 16QAM HCH 1747.5MHz RB 75 0 NTN



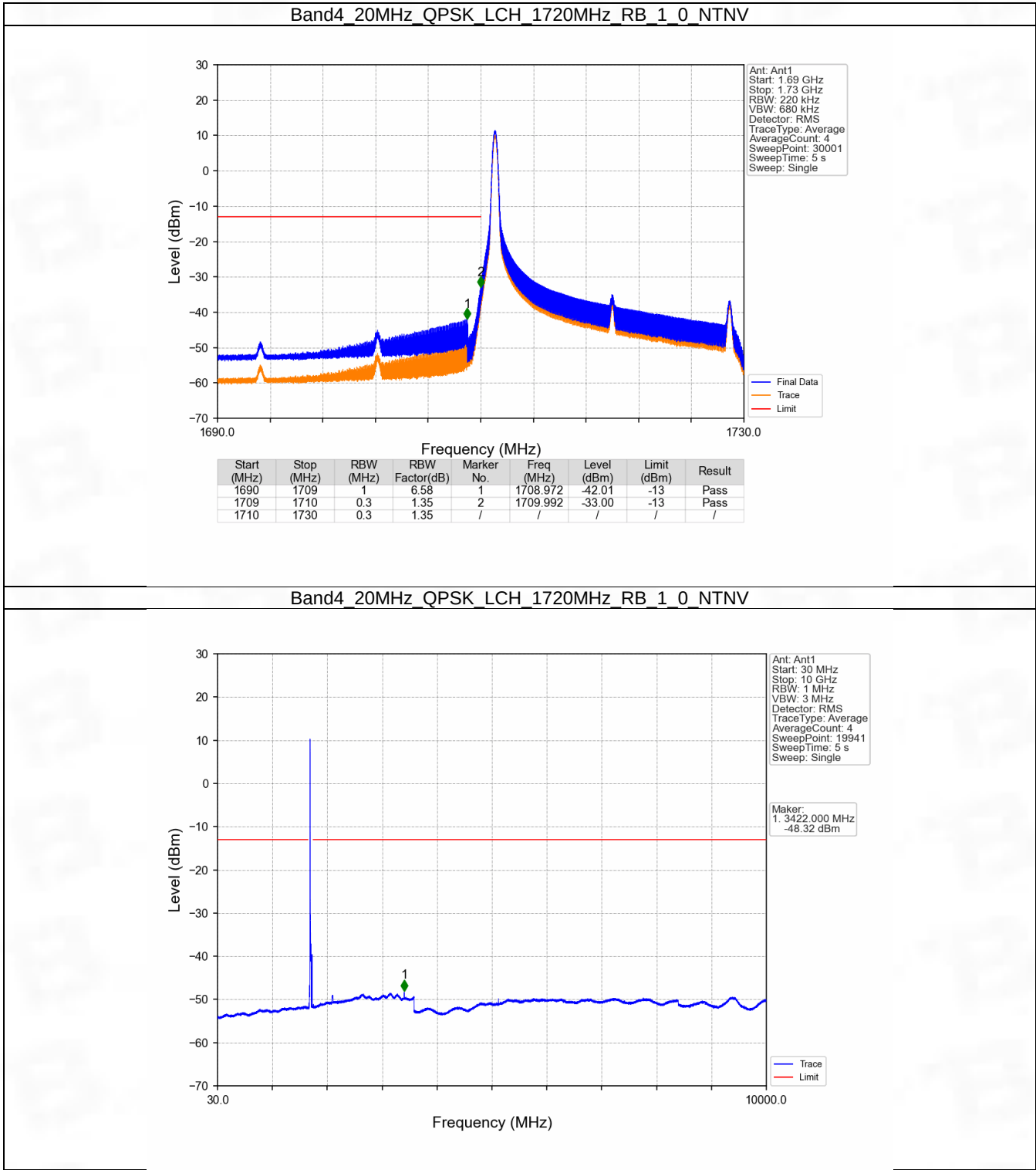
## 6.6 B4\_20MHz

### 6.6.1 Test Result

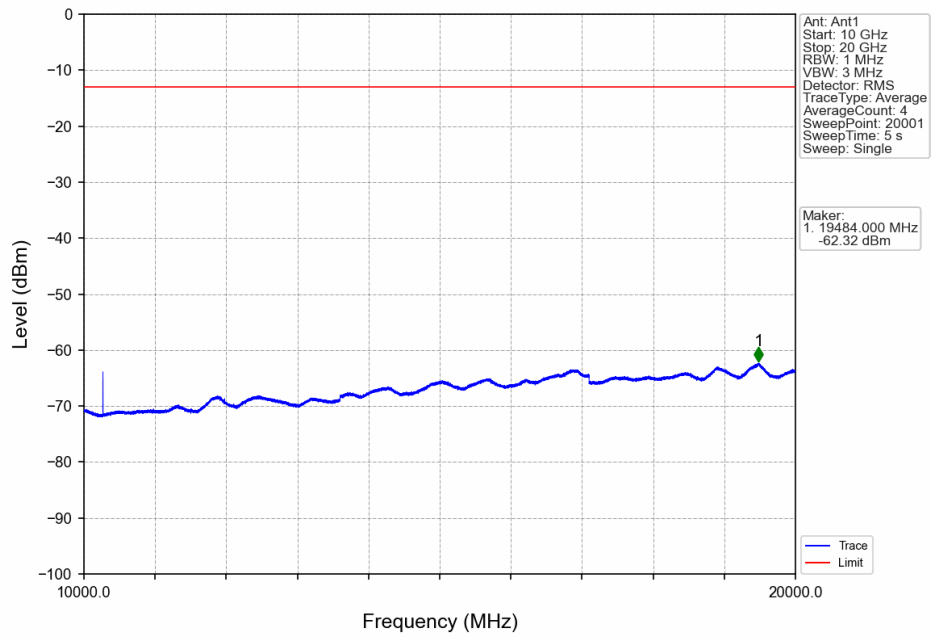
| Band: 4 / Bandwidth: 20MHz / NTVN |                 |               |        |                     |       |         |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                   |                 | Size          | Offset | Result              | Limit |         |
| QPSK                              | 1720            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 100           | 0      | Refer To Test Graph |       | Pass    |
|                                   | 1732.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   | 1745            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 99     | Refer To Test Graph |       | Pass    |
|                                   |                 | 100           | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                             | 1720            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 100           | 0      | Refer To Test Graph |       | Pass    |
|                                   | 1732.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   | 1745            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 99     | Refer To Test Graph |       | Pass    |
|                                   |                 | 100           | 0      | Refer To Test Graph |       | Pass    |



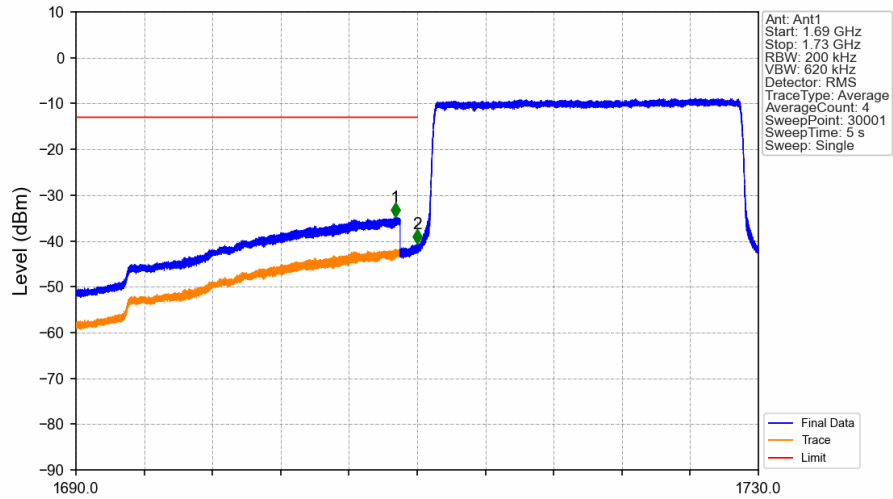
6.6.2 Test Graph



Band4 20MHz QPSK LCH 1720MHz RB 1 0 NTN

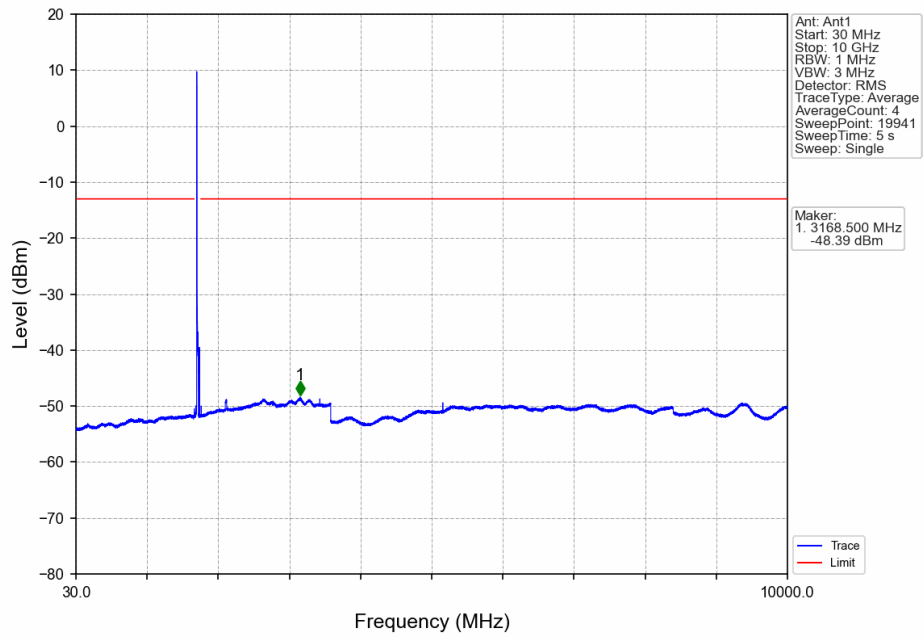


Band4 20MHz QPSK LCH 1720MHz RB 100 0 NTN

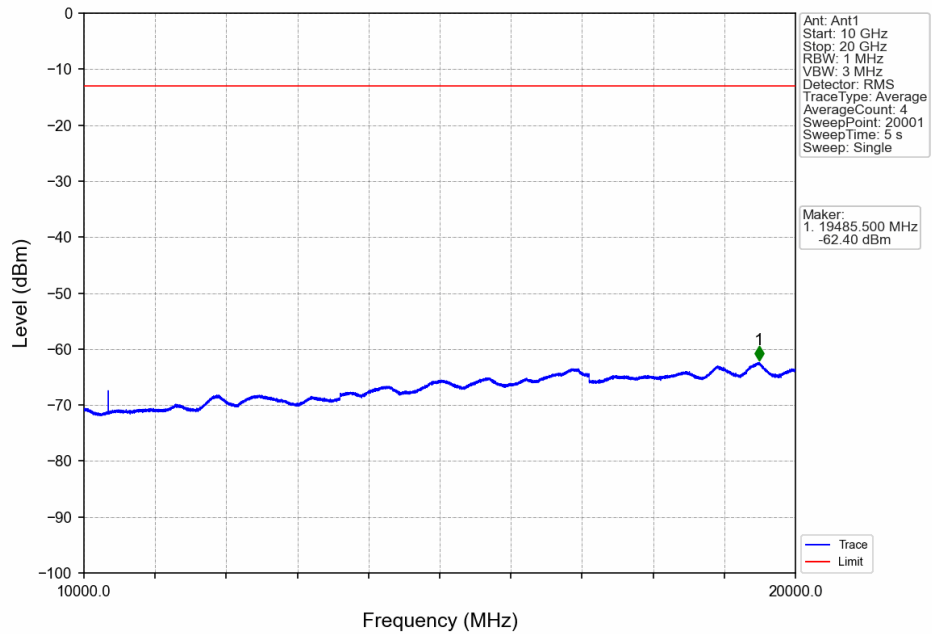


| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 1690        | 1709       | 1         | 6.99           | 1          | 1708.725   | -34.78      | -13         | Pass   |
| 1709        | 1710       | 0.201     | 0.02           | 2          | 1709.989   | -40.67      | -13         | Pass   |
| 1710        | 1730       | 0.201     | 0.02           | /          | /          | /           | /           | /      |

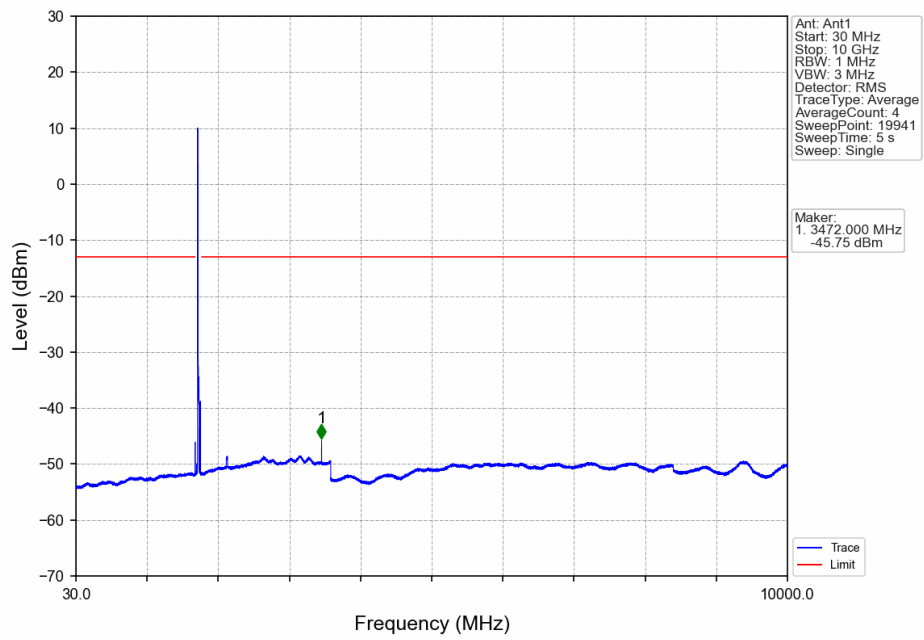
Band4 20MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



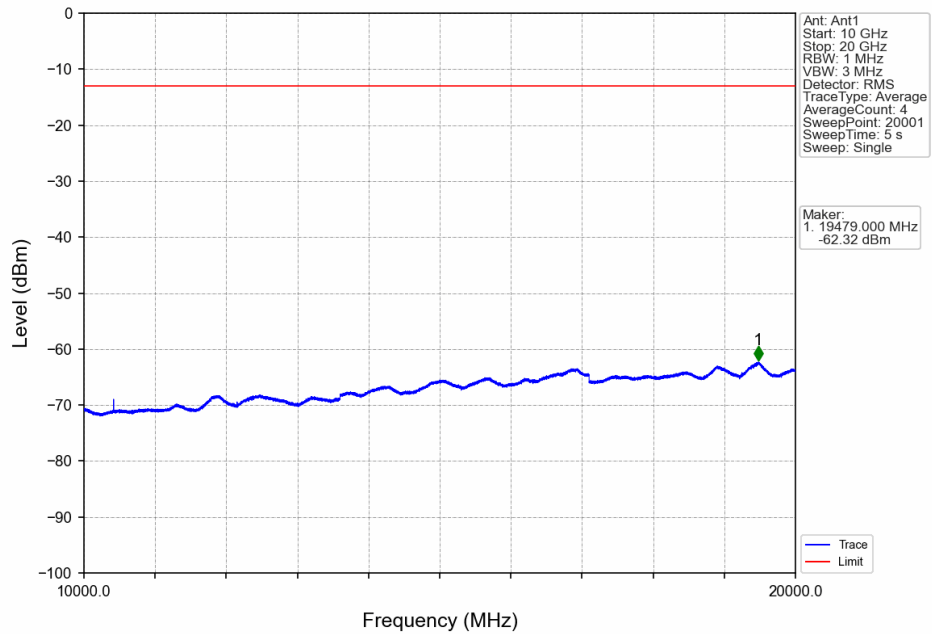
Band4 20MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



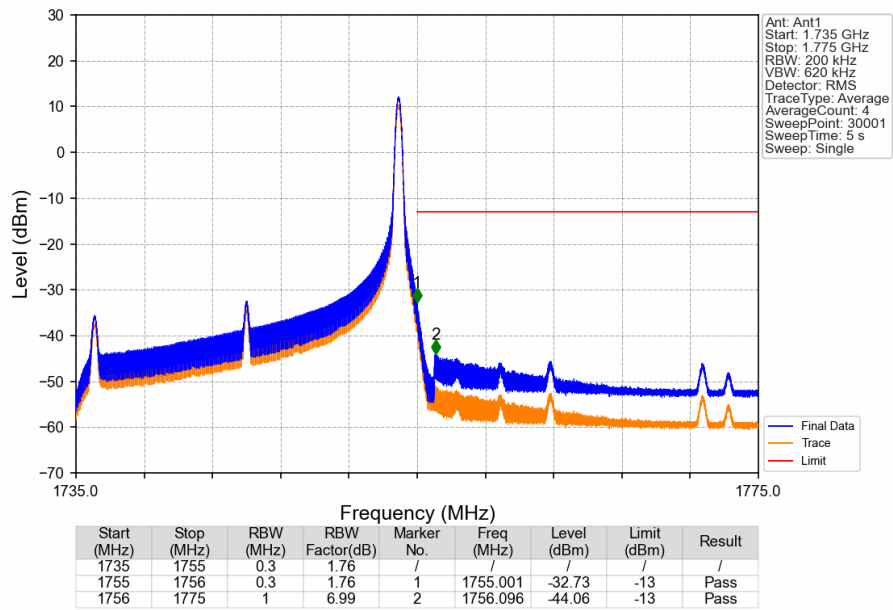
Band4 20MHz QPSK HCH 1745MHz RB 1 0 NTNV



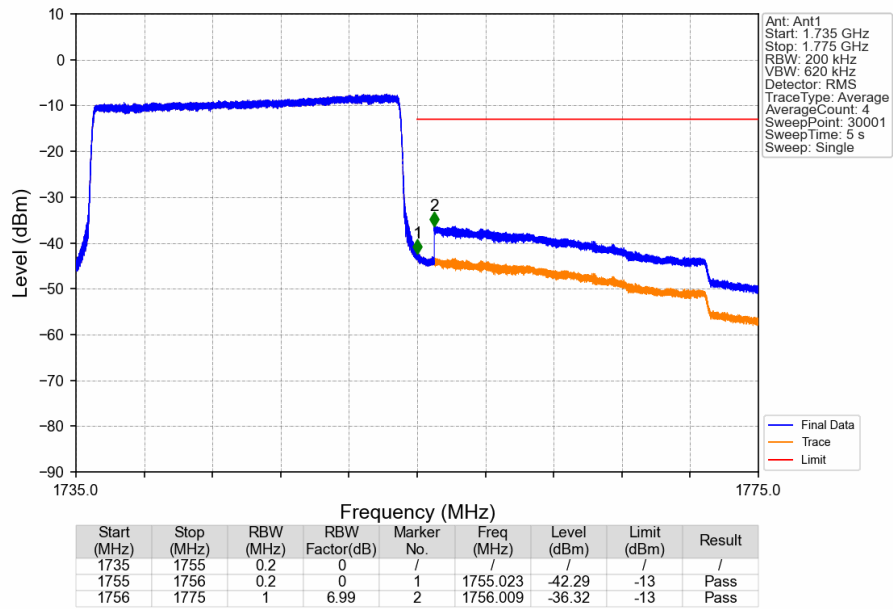
Band4 20MHz QPSK HCH 1745MHz RB 1 0 NTNV



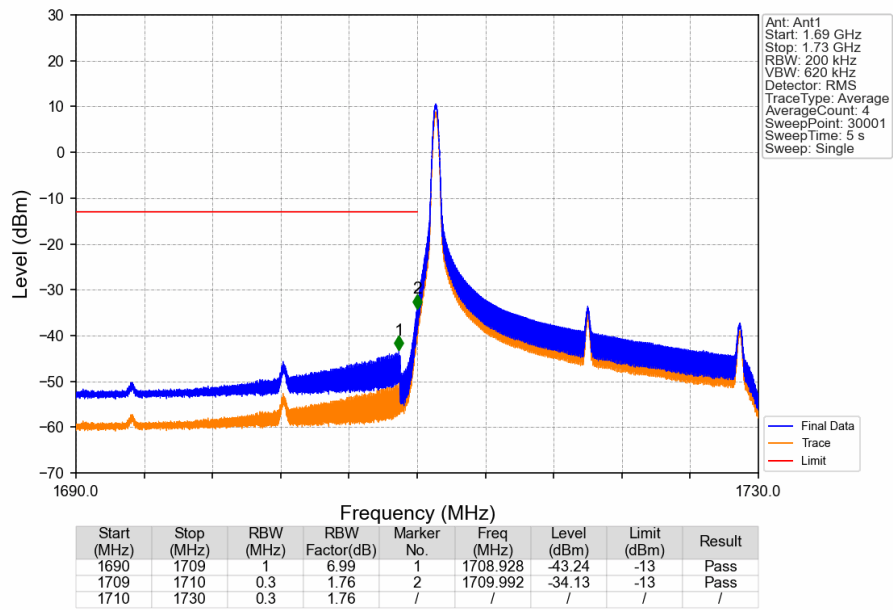
# Band4 20MHz QPSK HCH 1745MHz RB 1 99 NTNV



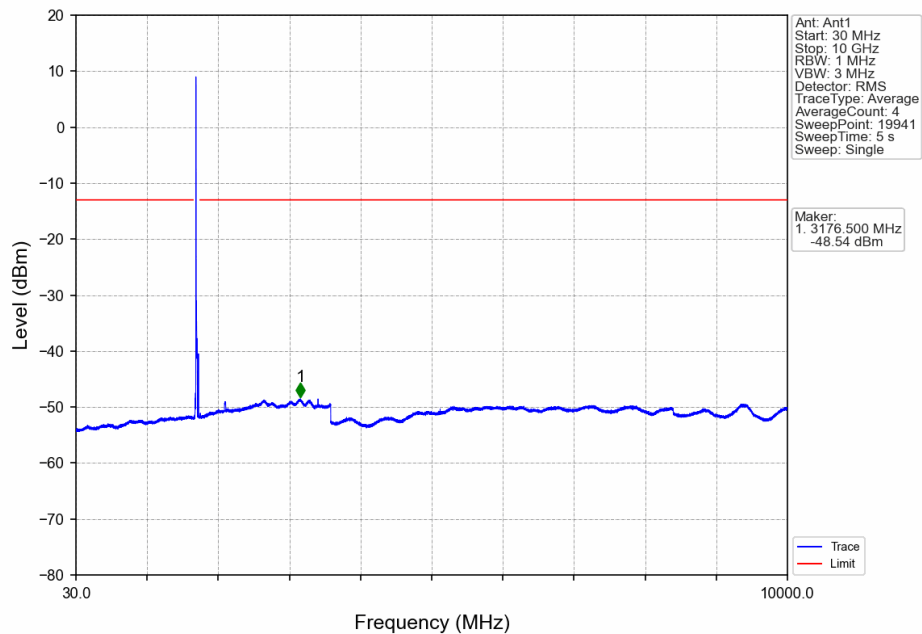
# Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTNV



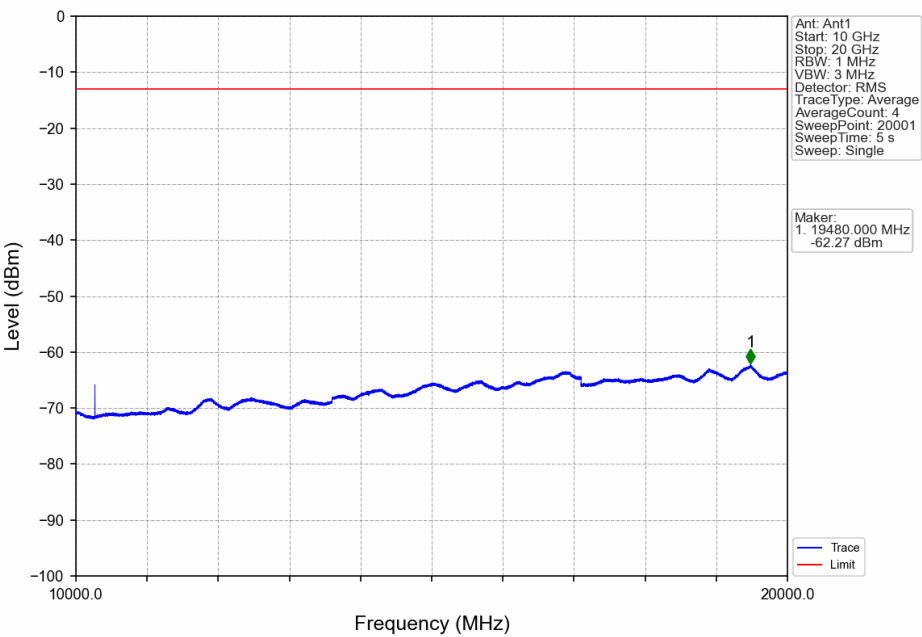
Band4 20MHz 16QAM LCH 1720MHz RB 1 0 NTNV



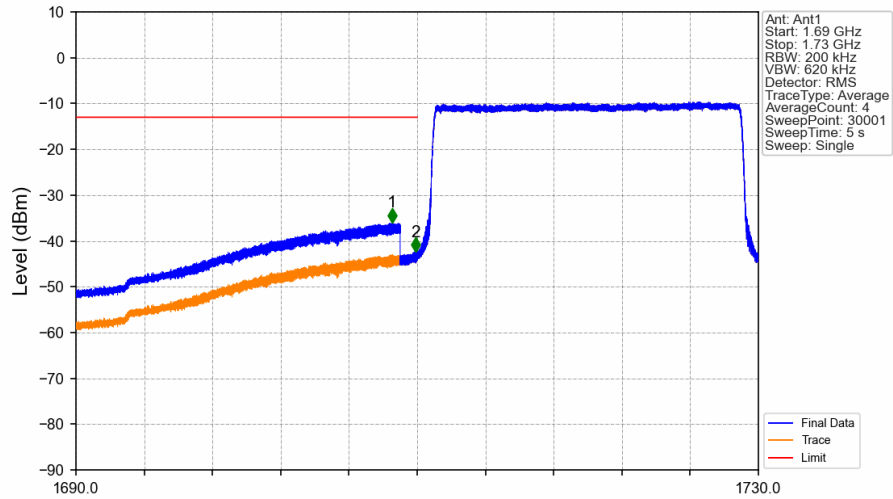
Band4 20MHz 16QAM LCH 1720MHz RB 1 0 NTNV



Band4 20MHz 16QAM LCH 1720MHz RB 1 0 NTNV

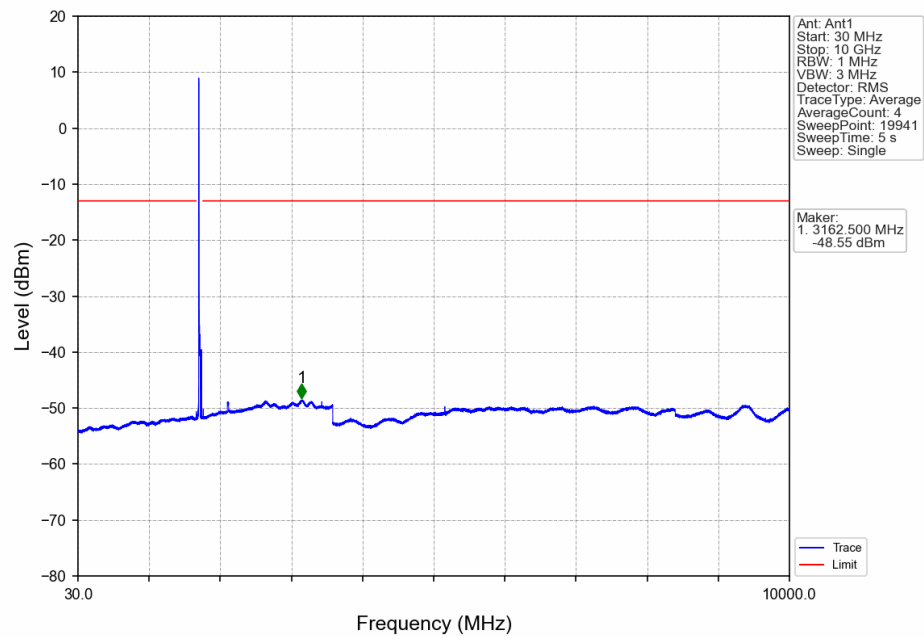


Band4 20MHz 16QAM LCH 1720MHz RB 100 0 NTNV

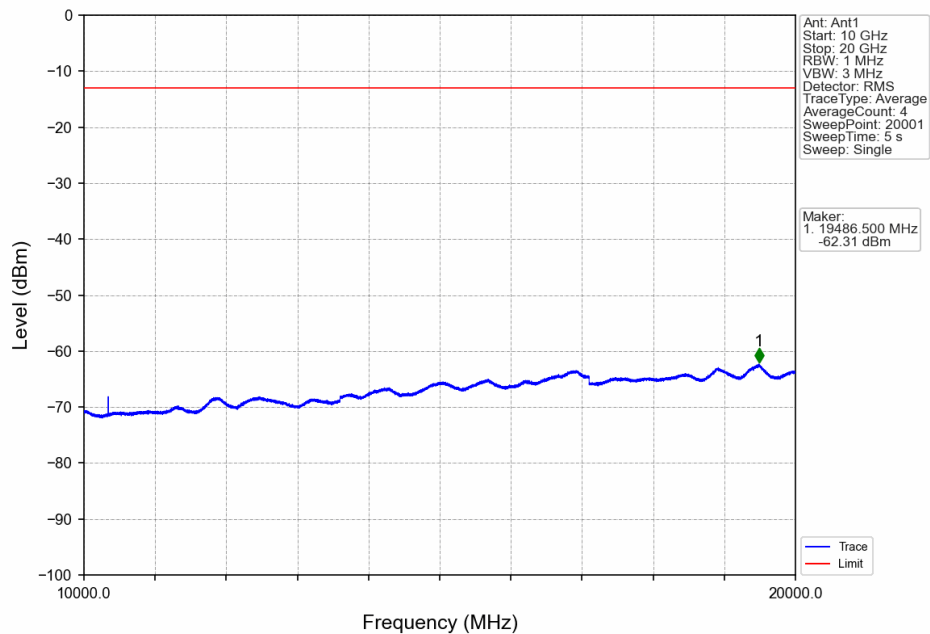


| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 1690        | 1709       | 1         | 6.99           | 1          | 1708.535   | -35.95      | -13         | Pass   |
| 1709        | 1710       | 0.201     | 0.02           | 2          | 1709.911   | -42.37      | -13         | Pass   |
| 1710        | 1730       | 0.201     | 0.02           | /          | /          | /           | /           | /      |

Band4 20MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV

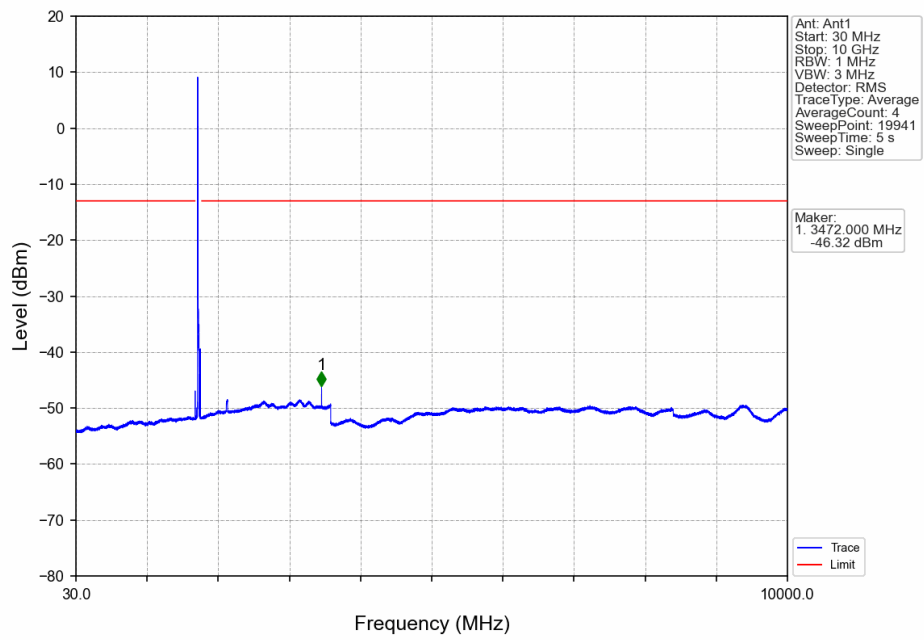


Band4 20MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV

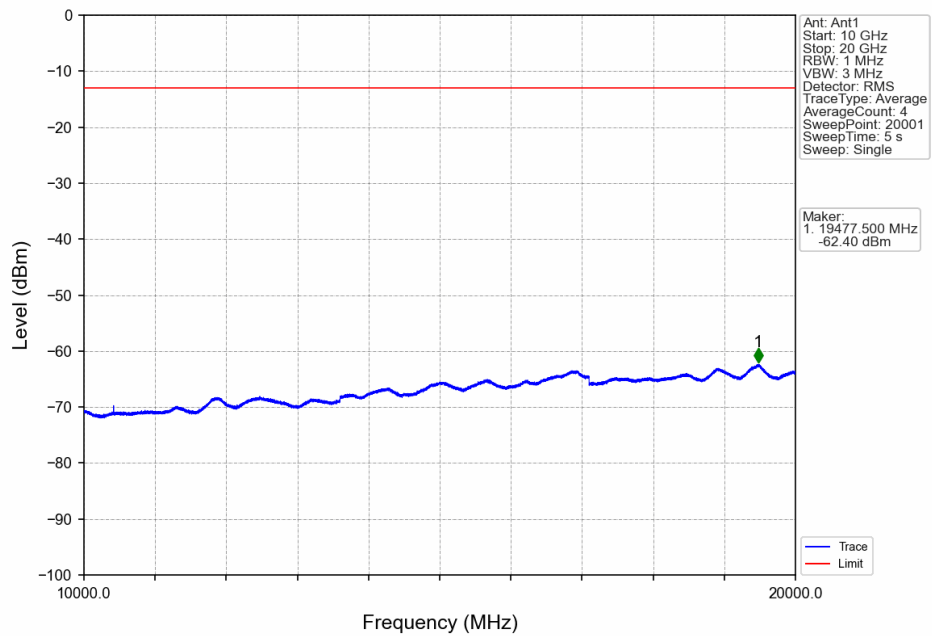




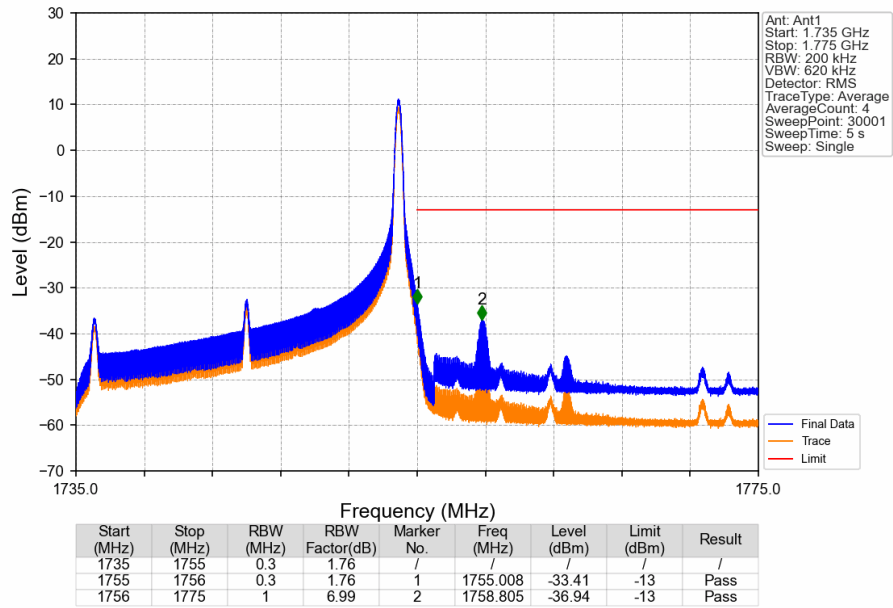
Band4 20MHz 16QAM HCH 1745MHz RB 1 0 NTNV



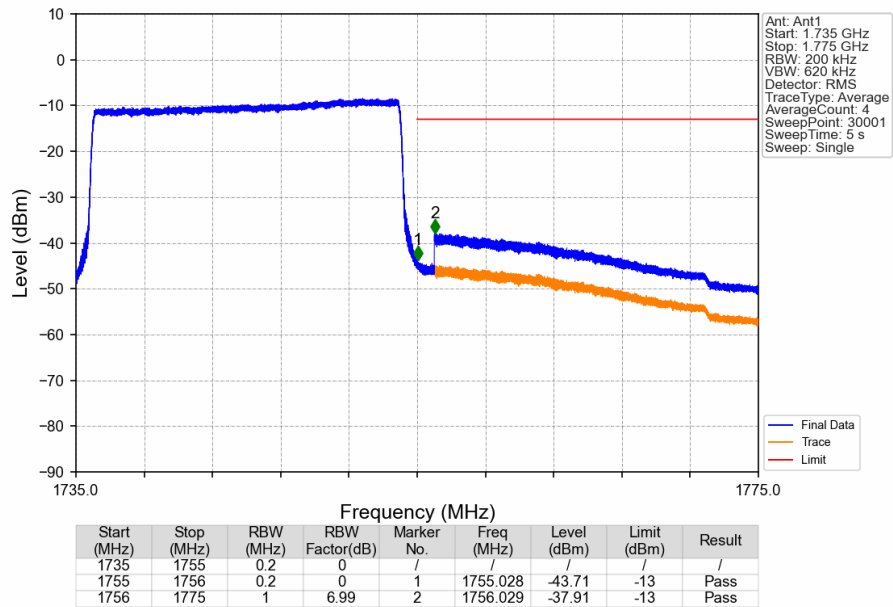
Band4 20MHz 16QAM HCH 1745MHz RB 1 0 NTNV



Band4 20MHz 16QAM HCH 1745MHz RB 1 99 NTNV



Band4 20MHz 16QAM HCH 1745MHz RB 100 0 NTNV



## 7. Form731

### 7.1 Form731\_Power

#### 7.1.1 Test Result

| Band | BW  | Lower Freq | High Freq | MAX Power (W) | Value  | Hz/ppm | Emission Designator | Rule Parts | MAX Power (dBm) |
|------|-----|------------|-----------|---------------|--------|--------|---------------------|------------|-----------------|
| 4    | 1.4 | 1710.7     | 1754.3    | 0.1905        | 0.0229 | ppm    | 1M12G7D             | 24E        | 22.80           |
| 4    | 1.4 | 1710.7     | 1754.3    | 0.1589        | 0.0247 | ppm    | 1M11W7D             | 24E        | 22.01           |
| 4    | 3   | 1711.5     | 1753.5    | 0.1892        | 0.0278 | ppm    | 2M77G7D             | 24E        | 22.77           |
| 4    | 3   | 1711.5     | 1753.5    | 0.1782        | 0.0201 | ppm    | 2M77W7D             | 24E        | 22.51           |
| 4    | 5   | 1712.5     | 1752.5    | 0.1875        | 0.0244 | ppm    | 4M57G7D             | 24E        | 22.73           |
| 4    | 5   | 1712.5     | 1752.5    | 0.1538        | 0.0188 | ppm    | 4M59W7D             | 24E        | 21.87           |
| 4    | 10  | 1715       | 1750      | 0.1945        | 0.0255 | ppm    | 9M11G7D             | 24E        | 22.89           |
| 4    | 10  | 1715       | 1750      | 0.1603        | 0.0202 | ppm    | 9M10W7D             | 24E        | 22.05           |
| 4    | 15  | 1717.5     | 1747.5    | 0.1919        | 0.0242 | ppm    | 13M6G7D             | 24E        | 22.83           |
| 4    | 15  | 1717.5     | 1747.5    | 0.1603        | 0.0208 | ppm    | 13M7W7D             | 24E        | 22.05           |
| 4    | 20  | 1720       | 1745      | 0.2037        | 0.0203 | ppm    | 18M2G7D             | 24E        | 23.09           |
| 4    | 20  | 1720       | 1745      | 0.1774        | 0.0214 | ppm    | 18M2W7D             | 24E        | 22.49           |

## 7.2 Form731\_EIRP

#### 7.2.1 Test Result

| Band | BW  | Lower Freq | High Freq | MAX Power (W) | Value  | Hz/ppm | Emission Designator | Rule Parts | MAX Power (dBm) |
|------|-----|------------|-----------|---------------|--------|--------|---------------------|------------|-----------------|
| 4    | 1.4 | 1710.7     | 1754.3    | 0.2355        | 0.0229 | ppm    | 1M12G7D             | 24E        | 23.72           |
| 4    | 1.4 | 1710.7     | 1754.3    | 0.1963        | 0.0247 | ppm    | 1M11W7D             | 24E        | 22.93           |
| 4    | 3   | 1711.5     | 1753.5    | 0.2339        | 0.0278 | ppm    | 2M77G7D             | 24E        | 23.69           |
| 4    | 3   | 1711.5     | 1753.5    | 0.2203        | 0.0201 | ppm    | 2M77W7D             | 24E        | 23.43           |
| 4    | 5   | 1712.5     | 1752.5    | 0.2317        | 0.0244 | ppm    | 4M57G7D             | 24E        | 23.65           |
| 4    | 5   | 1712.5     | 1752.5    | 0.1901        | 0.0188 | ppm    | 4M59W7D             | 24E        | 22.79           |
| 4    | 10  | 1715       | 1750      | 0.2404        | 0.0255 | ppm    | 9M11G7D             | 24E        | 23.81           |
| 4    | 10  | 1715       | 1750      | 0.1982        | 0.0202 | ppm    | 9M10W7D             | 24E        | 22.97           |
| 4    | 15  | 1717.5     | 1747.5    | 0.2371        | 0.0242 | ppm    | 13M6G7D             | 24E        | 23.75           |
| 4    | 15  | 1717.5     | 1747.5    | 0.1982        | 0.0208 | ppm    | 13M7W7D             | 24E        | 22.97           |
| 4    | 20  | 1720       | 1745      | 0.2518        | 0.0203 | ppm    | 18M2G7D             | 24E        | 24.01           |
| 4    | 20  | 1720       | 1745      | 0.2193        | 0.0214 | ppm    | 18M2W7D             | 24E        | 23.41           |