

## 1. Out of band rejection

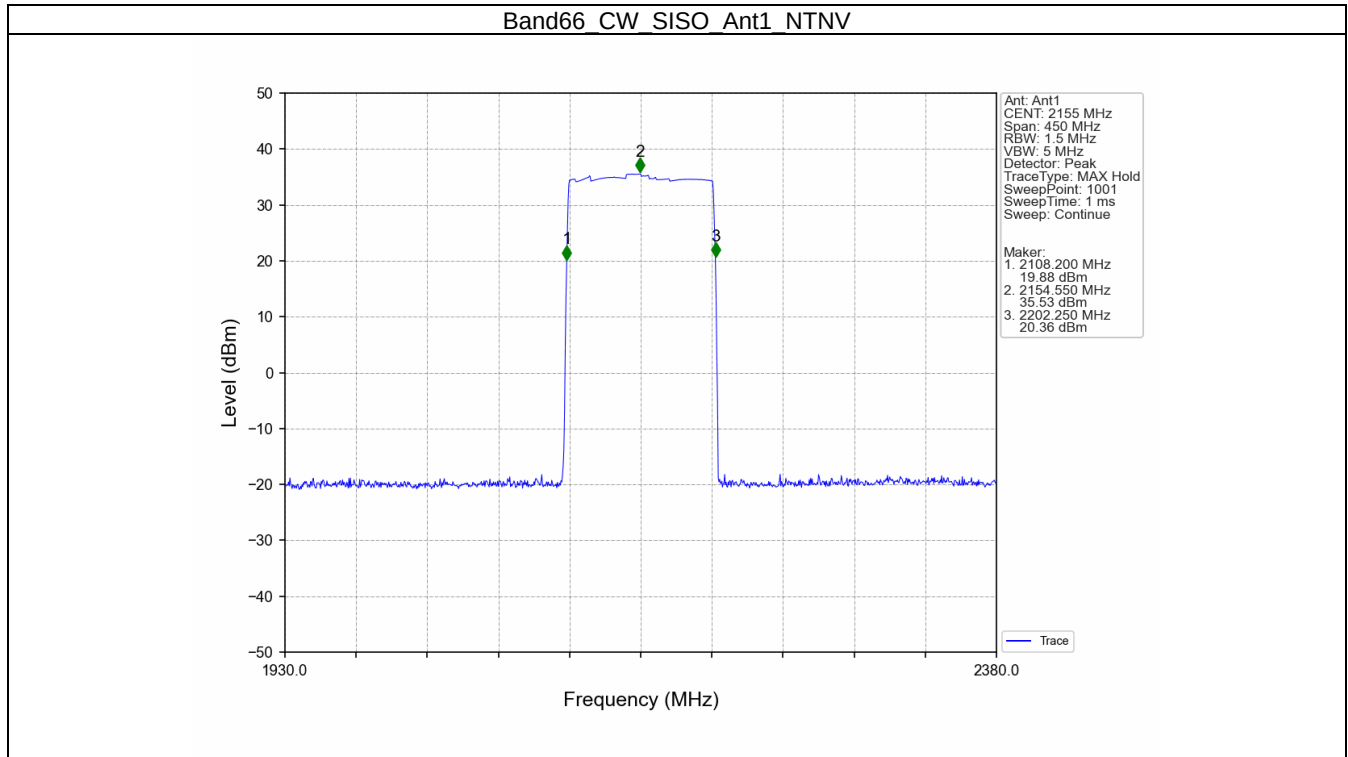
### 1.1 Test Result

#### 1.1.1 Band66

| Band: 66 / NTNV |                             |         |     |          |          |          |         |
|-----------------|-----------------------------|---------|-----|----------|----------|----------|---------|
| Signal          | Sweep Frequency Range (MHz) | TX Type | ANT | F0 (MHz) | FL (MHz) | FH (MHz) | Verdict |
| CW              | 1930 - 2380                 | SISO    | 1   | 2154.550 | 2108.200 | 2202.250 | Pass    |

## 1.2 Test Graph

## 1.2.1 Band66



## 2. AGC threshold

### 2.1 Test Result

#### 2.1.1 Band66

| Band: 66 / NTNV |                 |         |     |                     |         |
|-----------------|-----------------|---------|-----|---------------------|---------|
| Signal          | Frequency (MHz) | TX Type | ANT | AGC Threshold (dBm) | Verdict |
| GMSK<br>0.2MHz  | 2154.55         | SISO    | 1   | -0.30               | Pass    |
| AWGN<br>5MHz    | 2154.55         | SISO    | 1   | -0.30               | Pass    |
| AWGN<br>100MHz  | 2154.55         | SISO    | 1   | -0.30               | Pass    |

## 3. Input-versus-output signal comparison

### 3.1 Test Result

#### 3.1.1 Band66\_OBW

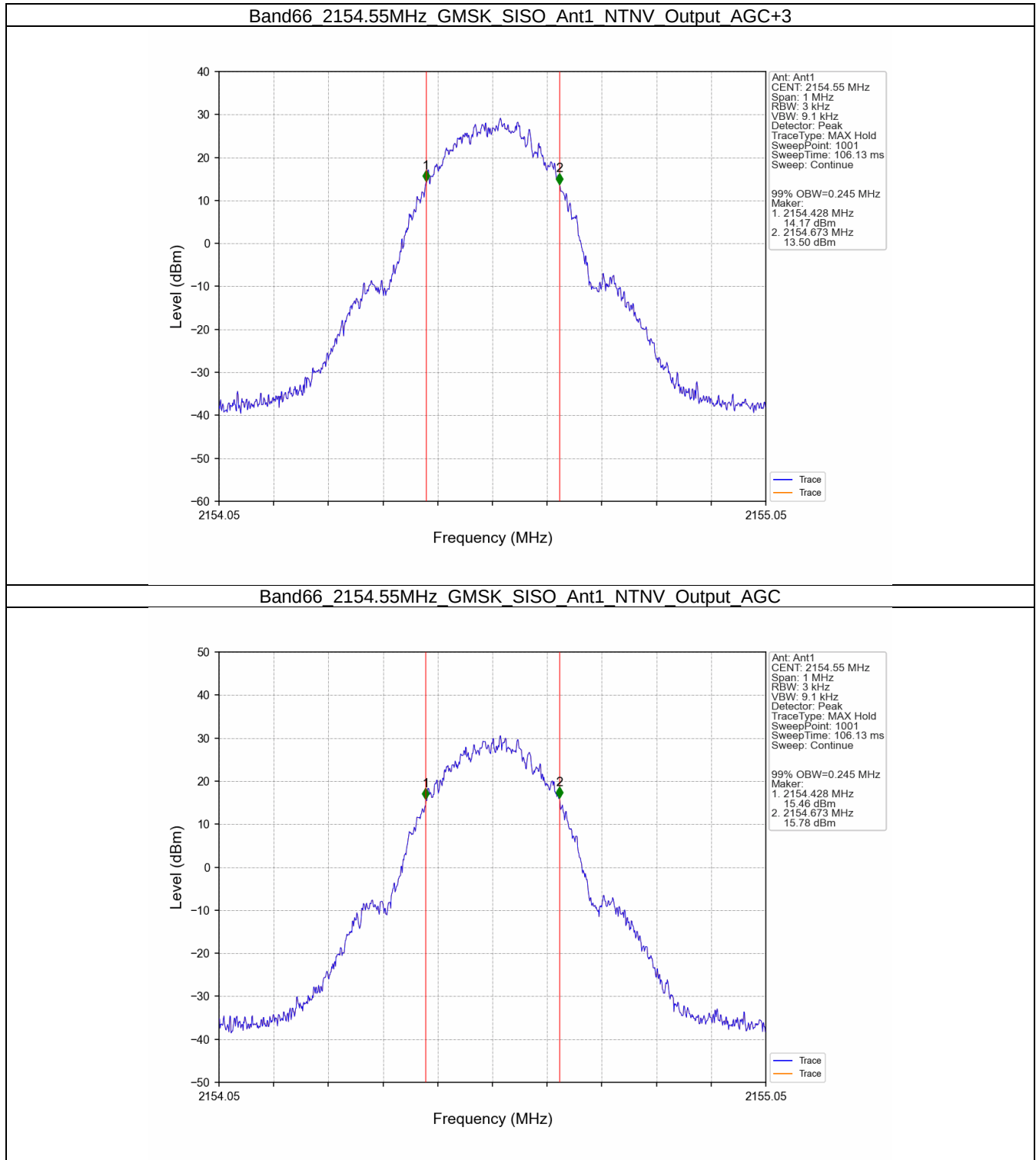
| Band: 66 / NTNV |             |                 |         |     |               |        |         |
|-----------------|-------------|-----------------|---------|-----|---------------|--------|---------|
| Signal          |             |                 | TX Type | ANT | 99% OBW (MHz) |        | Verdict |
| Type            | Level (dBm) | Frequency (MHz) |         |     | Output        | Input  |         |
| GMSK<br>0.2MHz  | 2.7         | 2154.55         | SISO    | 1   | 0.245         | 0.245  | Pass    |
|                 | -0.3        | 2154.55         | SISO    | 1   | 0.245         | 0.245  | Pass    |
| AWGN<br>5MHz    | 2.7         | 2154.55         | SISO    | 1   | 4.543         | 4.547  | Pass    |
|                 | -0.3        | 2154.55         | SISO    | 1   | 4.544         | 4.539  | Pass    |
| AWGN<br>100MHz  | 2.7         | 2154.55         | SISO    | 1   | 90.222        | 97.239 | Pass    |
|                 | -0.3        | 2154.55         | SISO    | 1   | 90.279        | 97.346 | Pass    |

#### 3.1.2 Band66\_EBW

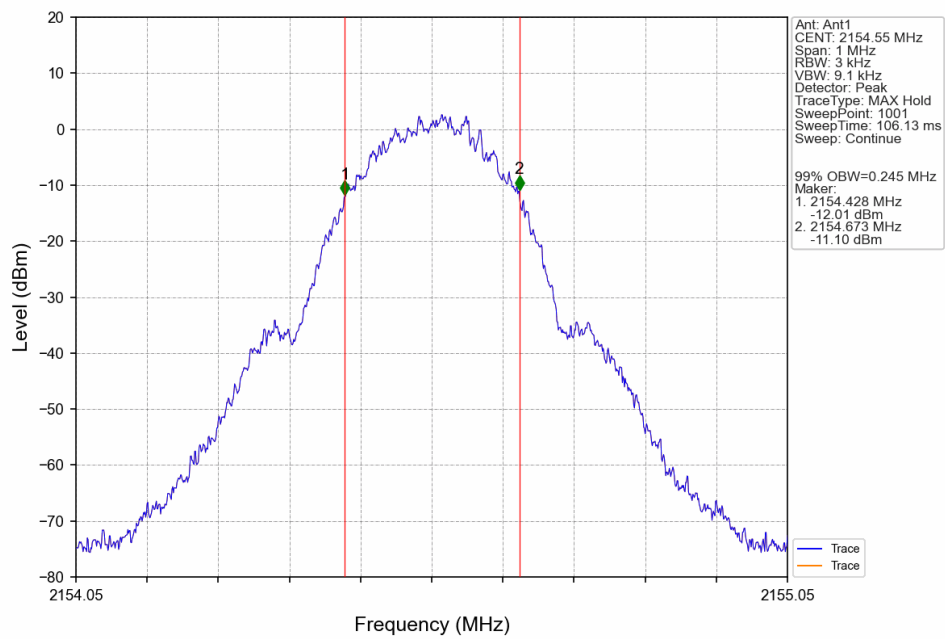
| Band: 66 / NTNV |             |                 |         |     |                |         |         |
|-----------------|-------------|-----------------|---------|-----|----------------|---------|---------|
| Signal          |             |                 | TX Type | ANT | 26dB EBW (MHz) |         | Verdict |
| Type            | Level (dBm) | Frequency (MHz) |         |     | Output         | Input   |         |
| GMSK<br>0.2MHz  | 2.7         | 2154.55         | SISO    | 1   | 0.317          | 0.312   | Pass    |
|                 | -0.3        | 2154.55         | SISO    | 1   | 0.315          | 0.317   | Pass    |
| AWGN<br>5MHz    | 2.7         | 2154.55         | SISO    | 1   | 5.143          | 5.132   | Pass    |
|                 | -0.3        | 2154.55         | SISO    | 1   | 5.157          | 5.153   | Pass    |
| AWGN<br>100MHz  | 2.7         | 2154.55         | SISO    | 1   | 93.757         | 100.782 | Pass    |
|                 | -0.3        | 2154.55         | SISO    | 1   | 93.741         | 100.690 | Pass    |

## 3.2 Test Graph

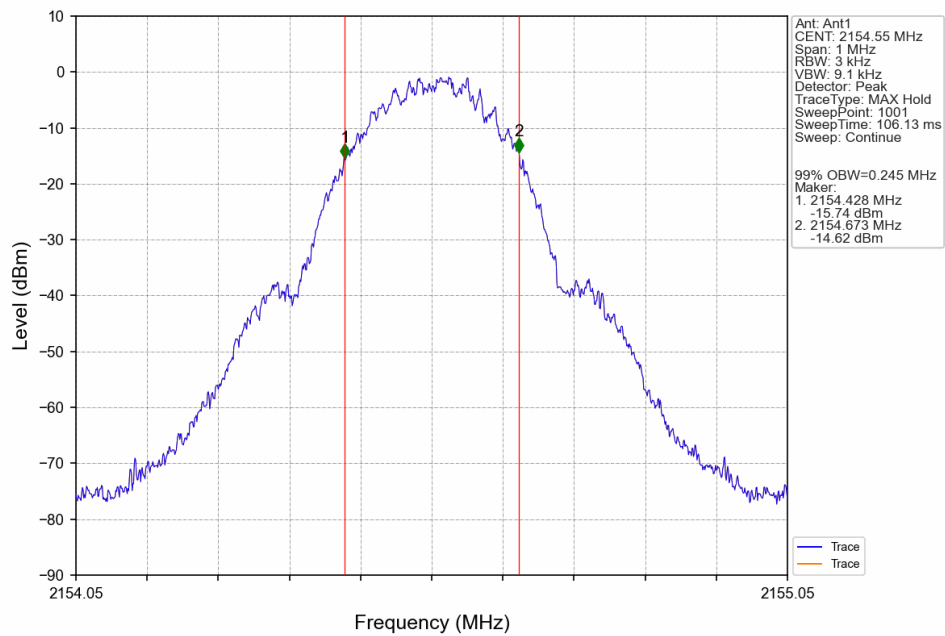
### 3.2.1 Band66\_OBW



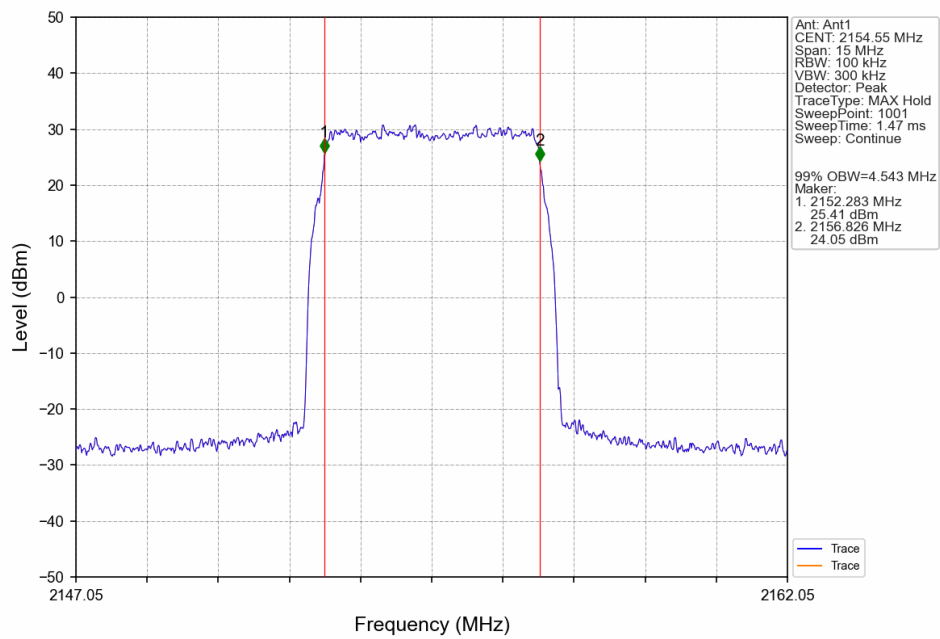
Band66\_2154.55MHz\_GMSK\_SISO\_Ant1\_NTNV\_Input\_AGC+3



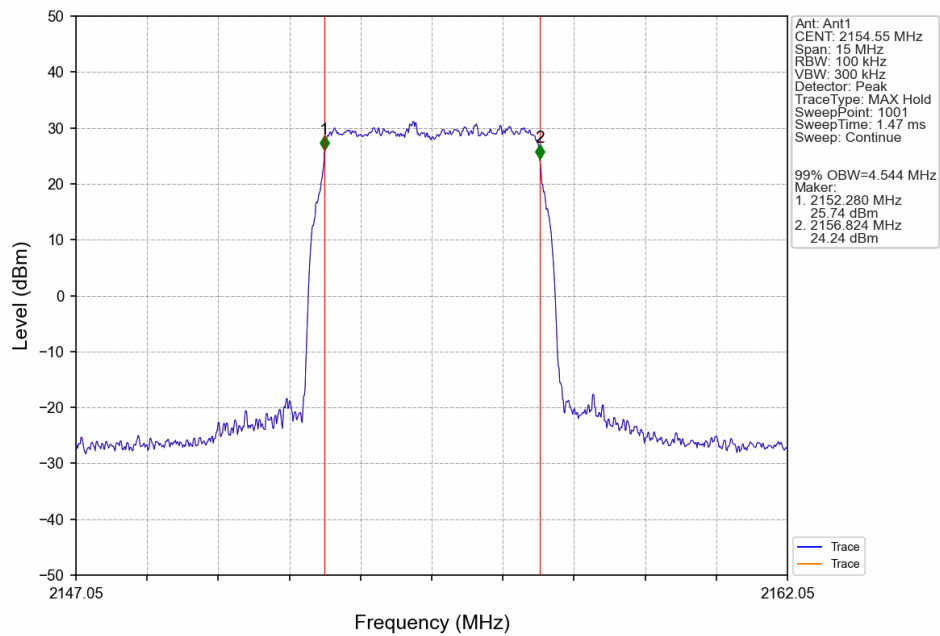
Band66\_2154.55MHz\_GMSK\_SISO\_Ant1\_NTNV\_Input\_AGC



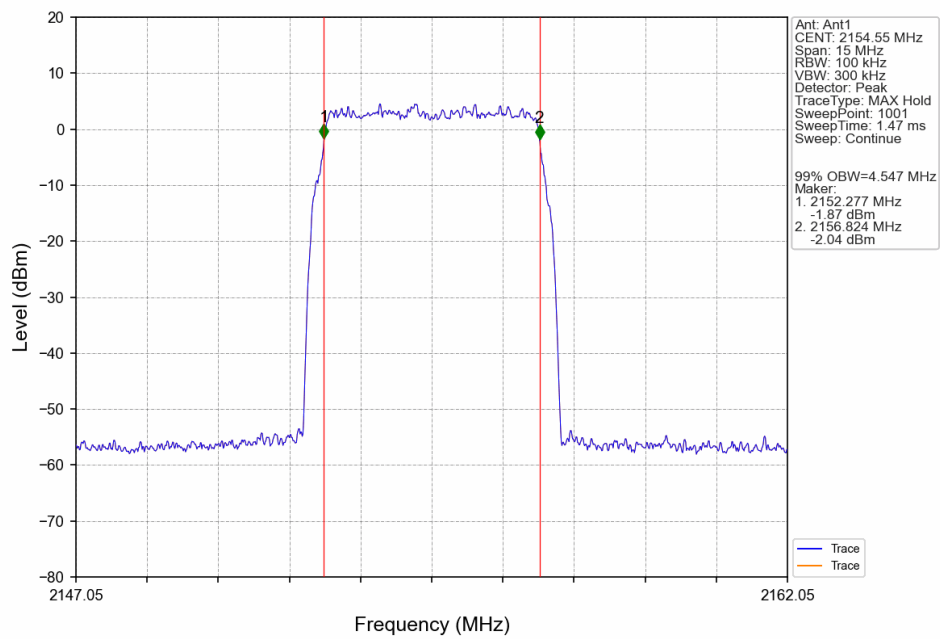
Band66\_2154.55MHz\_AWGN\_SISO\_Ant1\_NTNV\_Output\_AGC+3



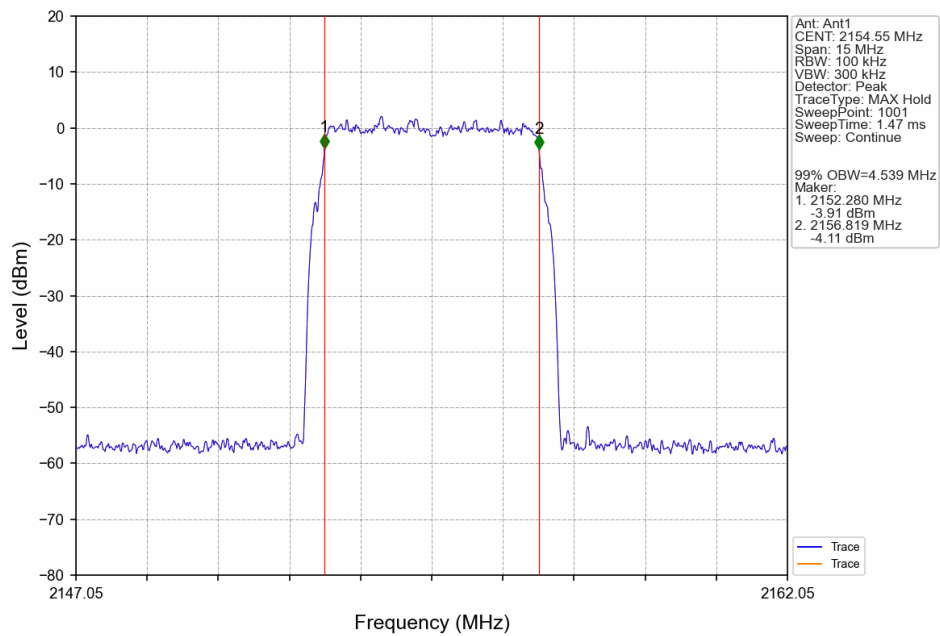
Band66\_2154.55MHz\_AWGN\_SISO\_Ant1\_NTNV\_Output\_AGC



Band66\_2154.55MHz\_AWGN\_SISO\_Ant1\_NTNV\_Input\_AGC+3

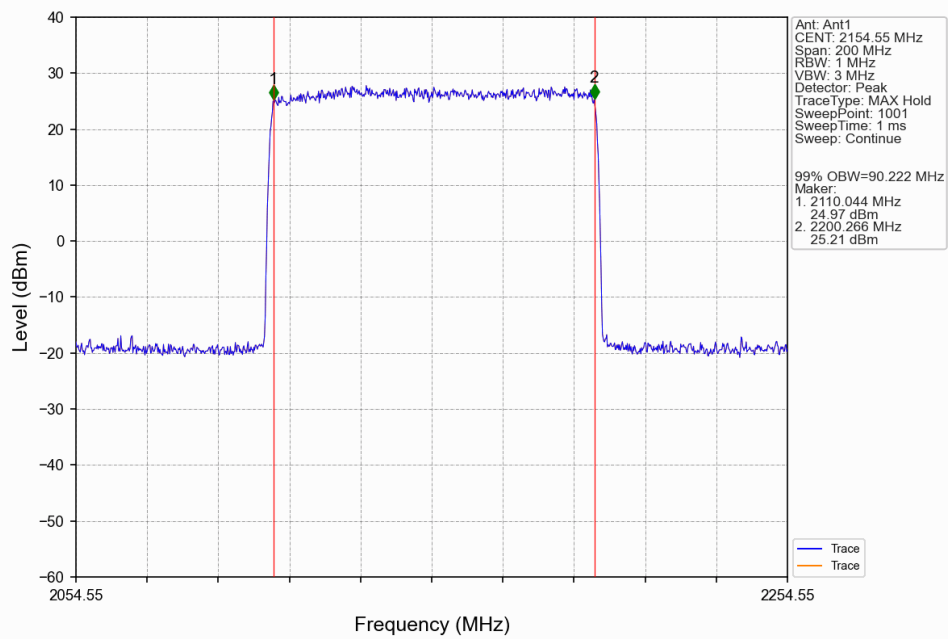


Band66\_2154.55MHz\_AWGN\_SISO\_Ant1\_NTNV\_Input\_AGC

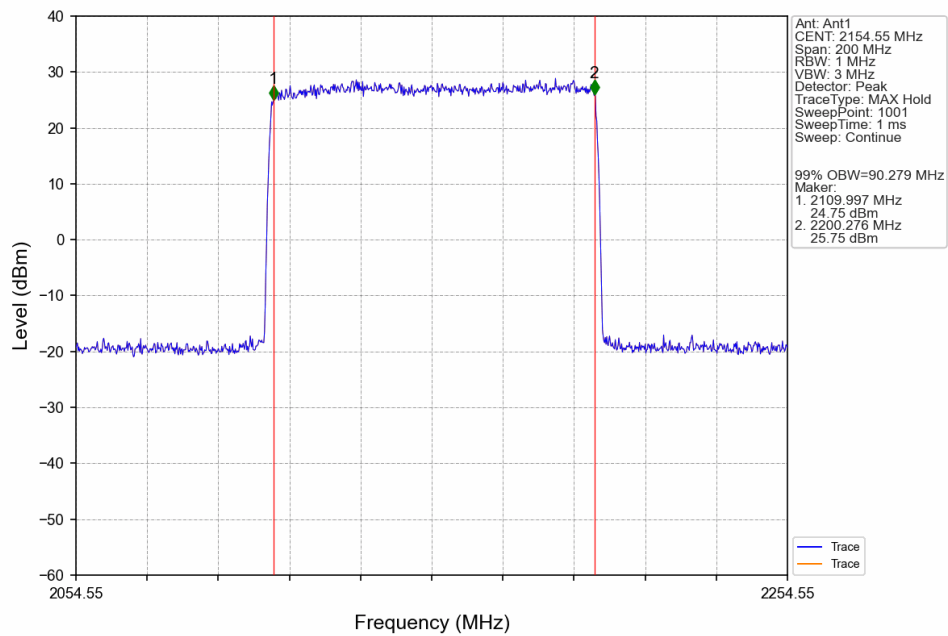




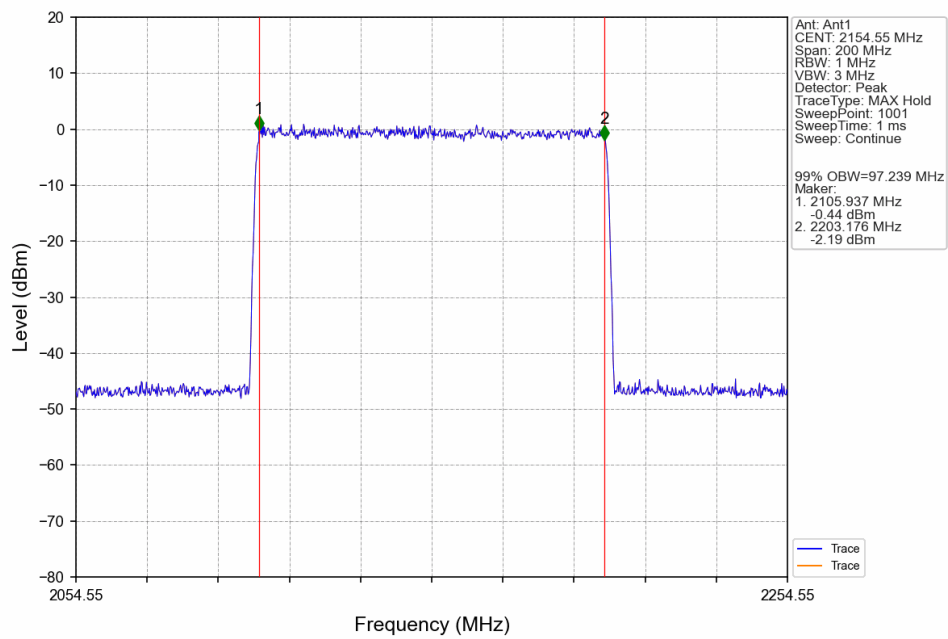
Band66\_2154.55MHz\_Broad100MHz\_SISO\_Ant1\_NTNV\_Output\_AGC+3



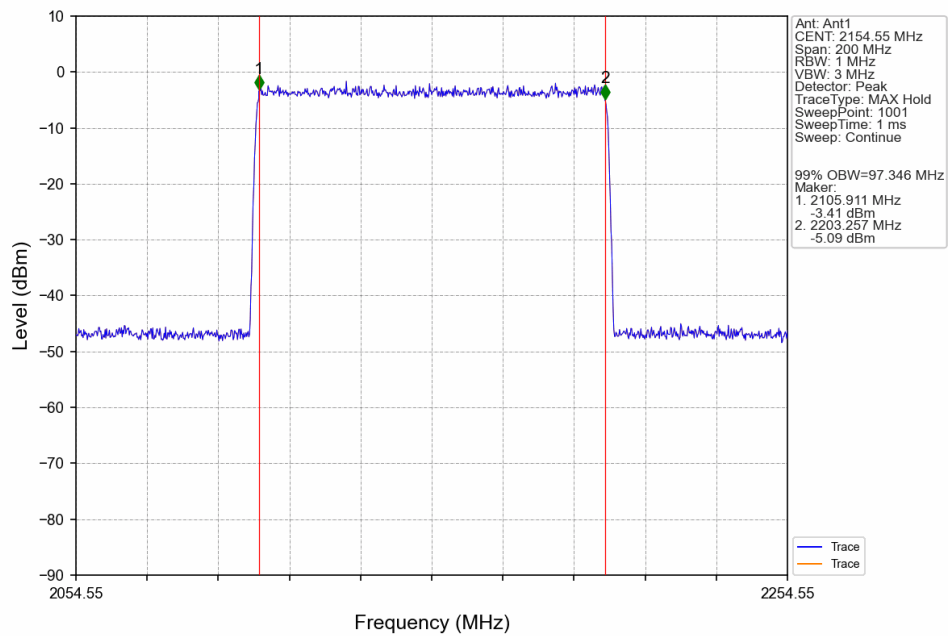
Band66\_2154.55MHz\_Broad100MHz\_SISO\_Ant1\_NTNV\_Output\_AGC



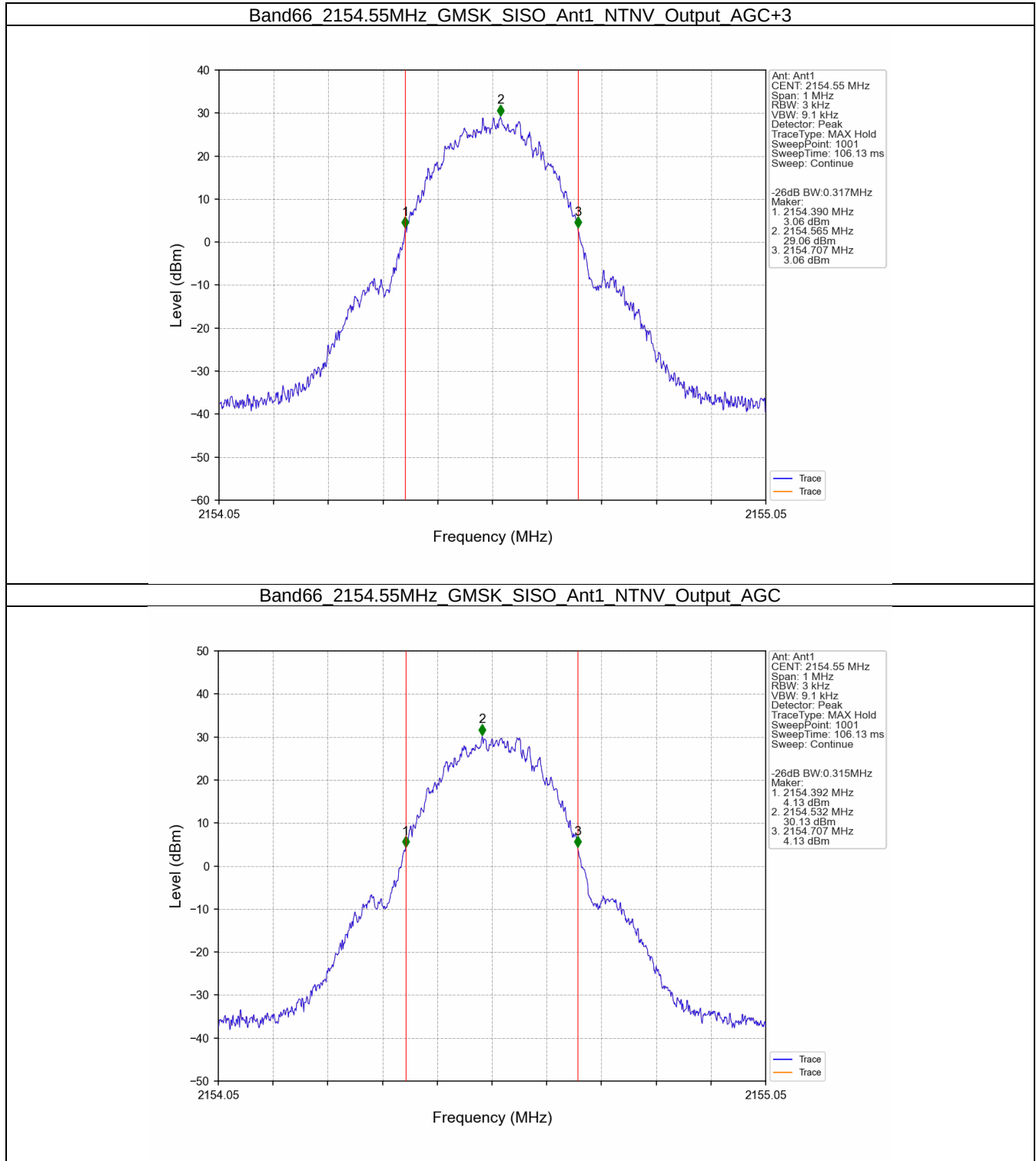
Band66\_2154.55MHz\_Broad100MHz\_SISO\_Ant1\_NTNV\_Input\_AGC+3



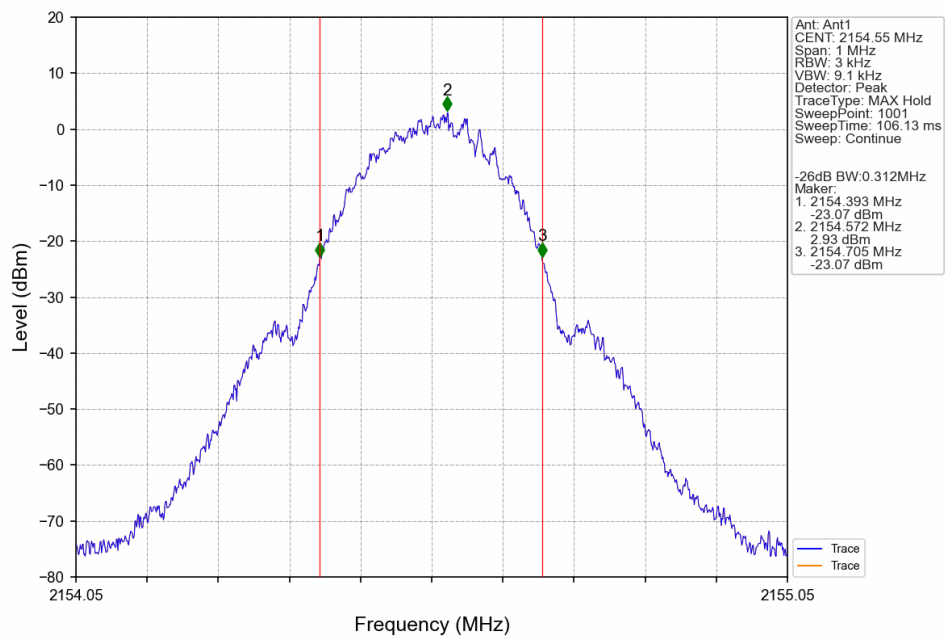
Band66\_2154.55MHz\_Broad100MHz\_SISO\_Ant1\_NTNV\_Input\_AGC



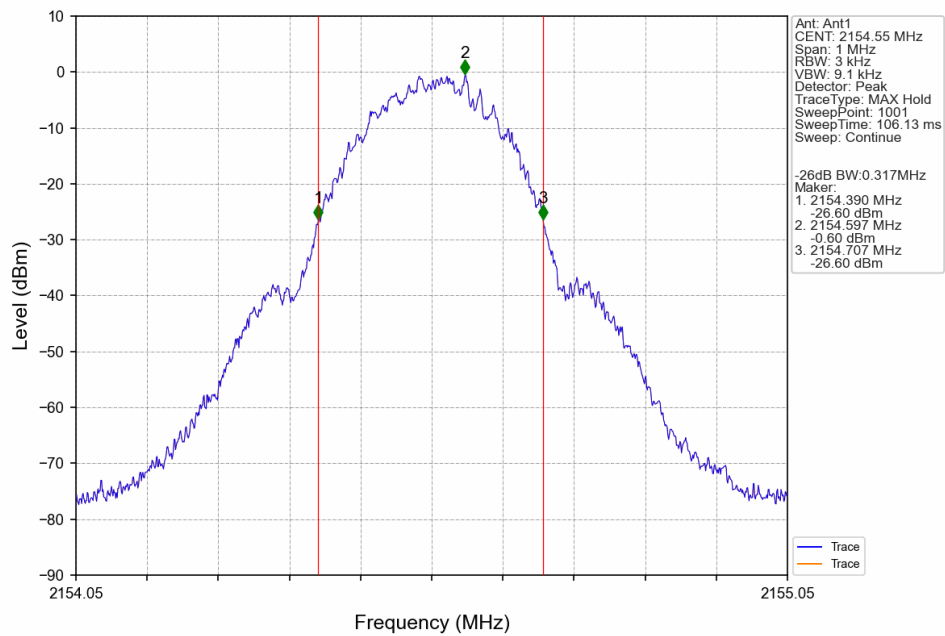
## 3.2.2 Band66\_EBW



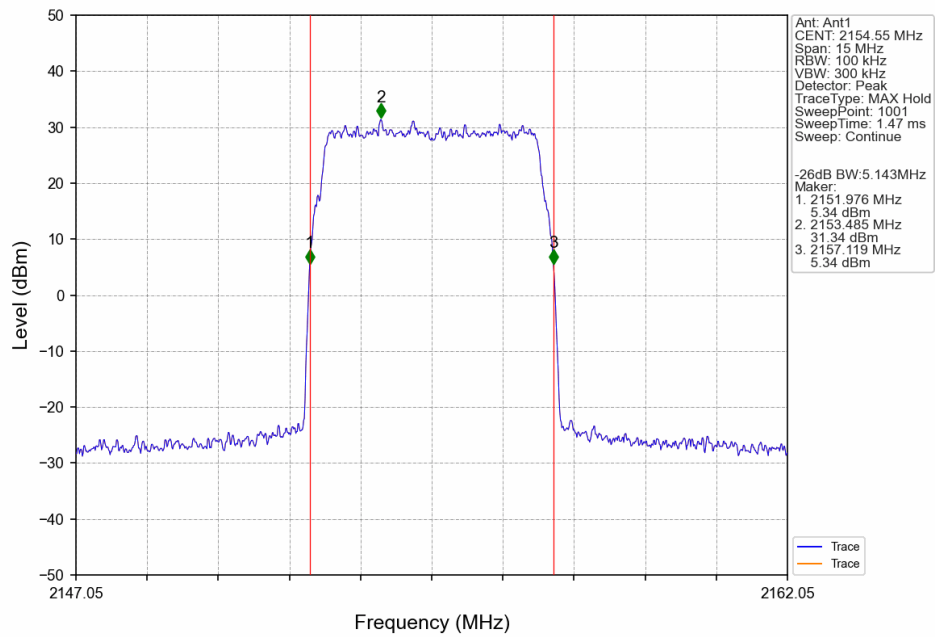
Band66\_2154.55MHz\_GMSK\_SISO\_Ant1\_NTNV\_Input\_AGC+3



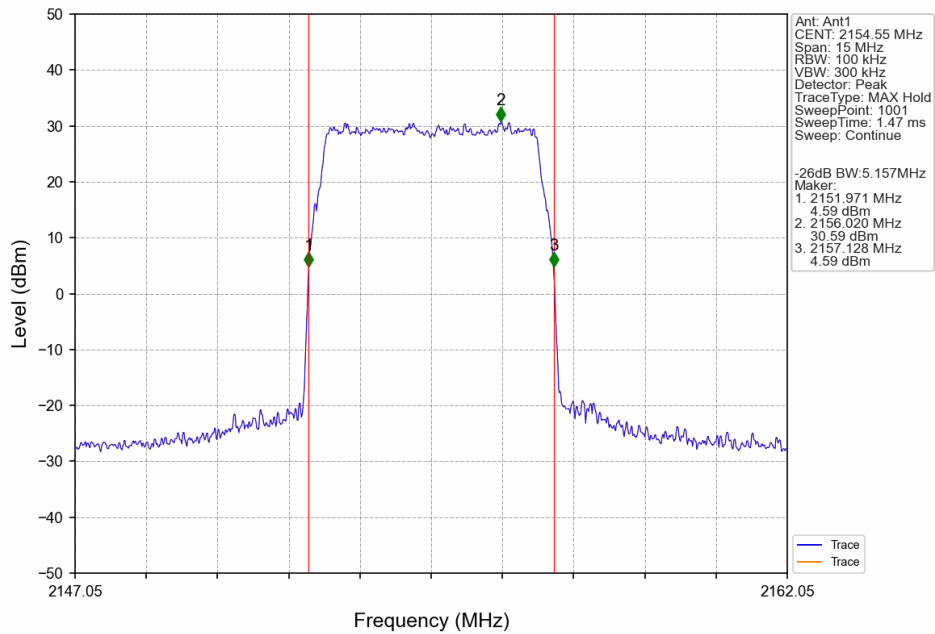
Band66\_2154.55MHz\_GMSK\_SISO\_Ant1\_NTNV\_Input\_AGC



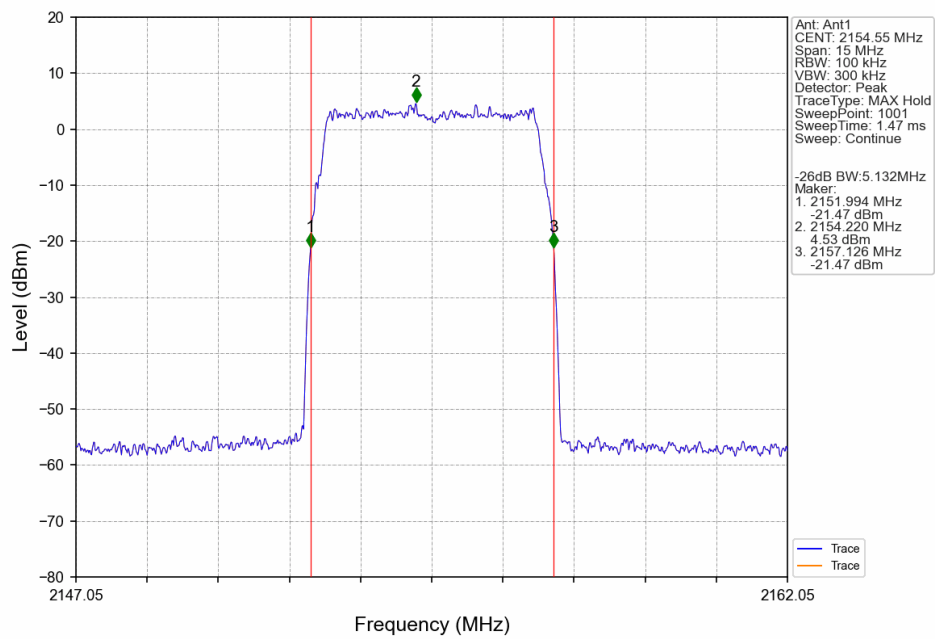
Band66\_2154.55MHz\_AWGN\_SISO\_Ant1\_NTNV\_Output\_AGC+3



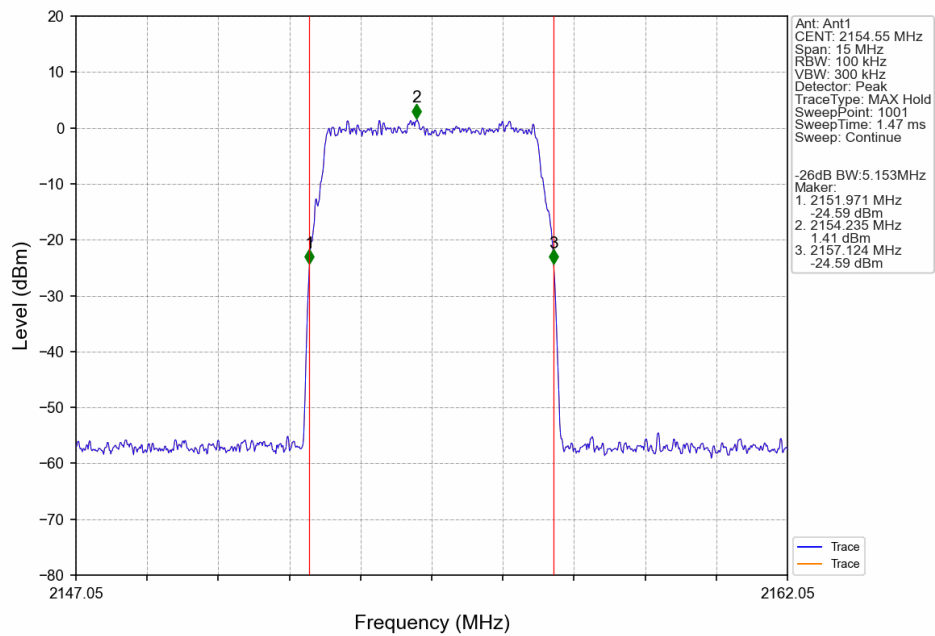
Band66\_2154.55MHz\_AWGN\_SISO\_Ant1\_NTNV\_Output\_AGC+3



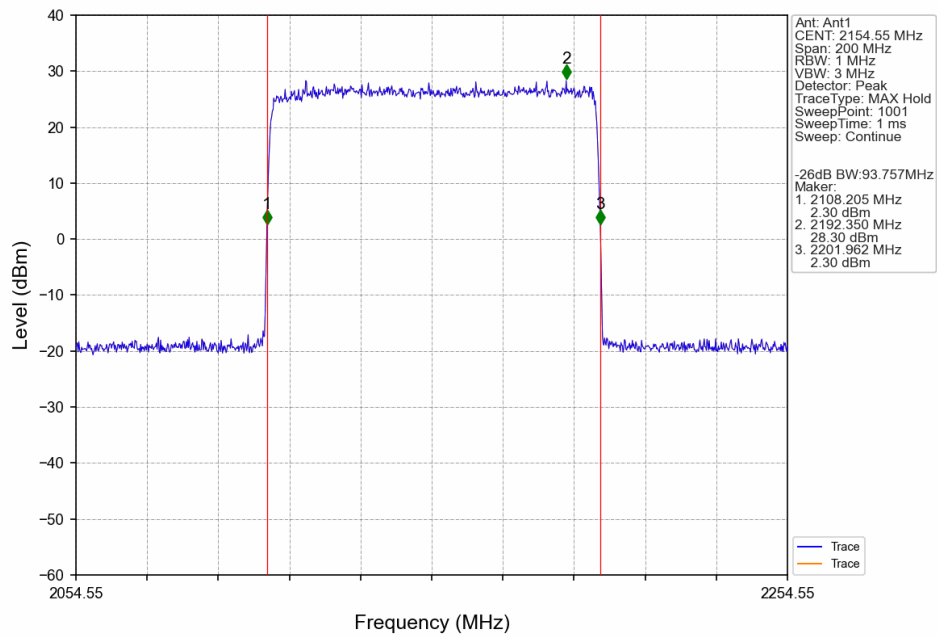
Band66\_2154.55MHz\_AWGN\_SISO\_Ant1\_NTNV\_Input\_AGC+3



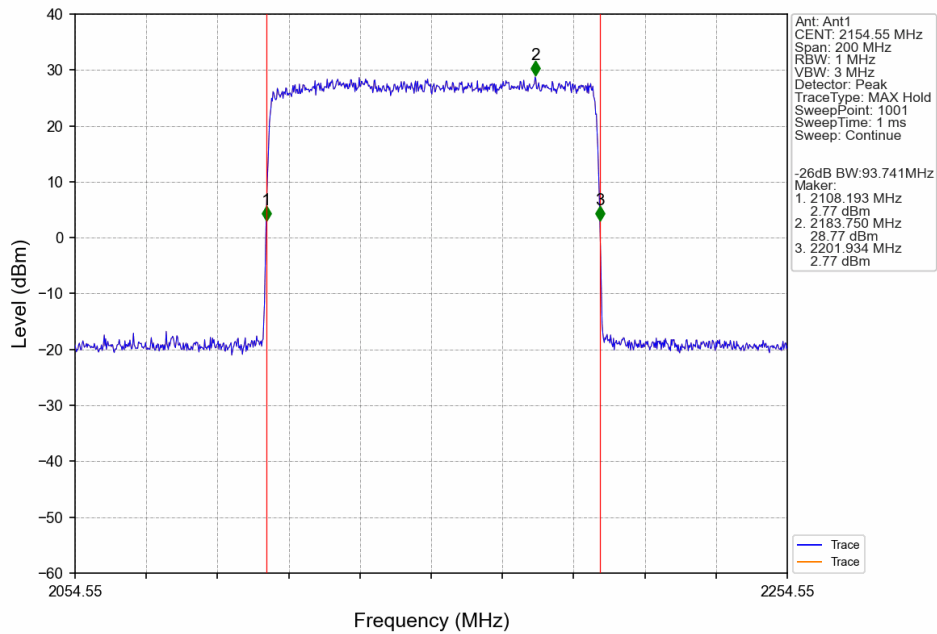
Band66\_2154.55MHz\_AWGN\_SISO\_Ant1\_NTNV\_Input\_AGC



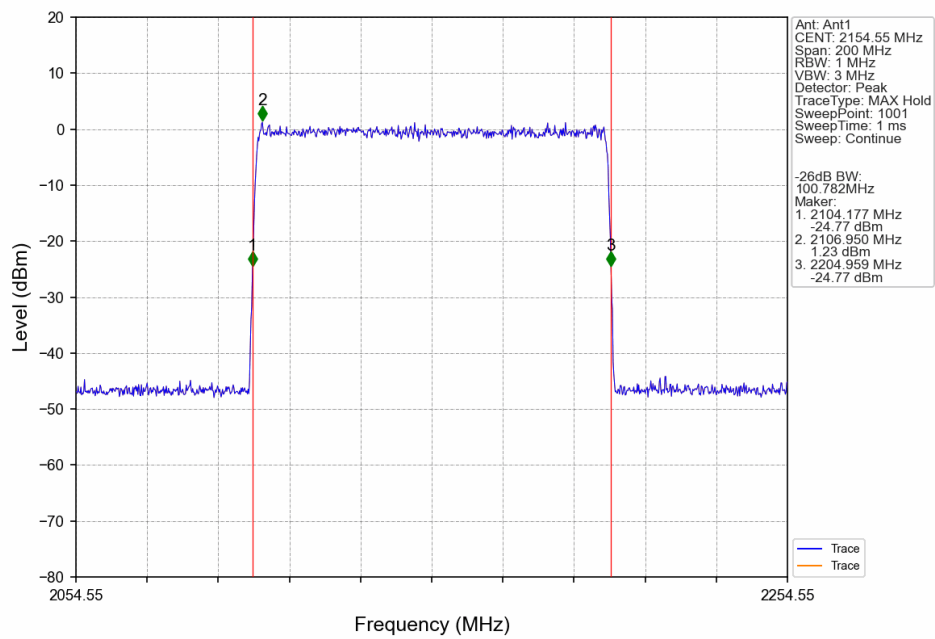
Band66\_2154.55MHz\_Broad100MHz\_SISO\_Ant1\_NTNV\_Output\_AGC+3



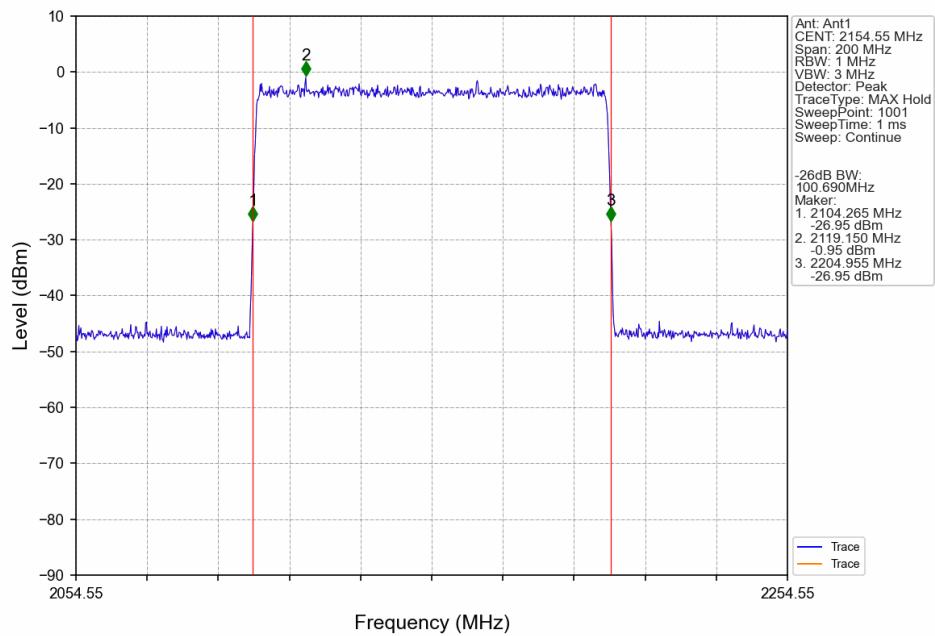
Band66\_2154.55MHz\_Broad100MHz\_SISO\_Ant1\_NTNV\_Output\_AGC



Band66\_2154.55MHz\_Broad100MHz\_SISO\_Ant1\_NTNV\_Input\_AGC+3



Band66\_2154.55MHz\_Broad100MHz\_SISO\_Ant1\_NTNV\_Input\_AGC





## 4. Input/output power and amplifier/booster gain

### 4.1 Test Result

#### 4.1.1 Band66\_EIRP

| Band: 66 / NTNV |             |                 |         |     |                           |        |                 |       |                   |         |
|-----------------|-------------|-----------------|---------|-----|---------------------------|--------|-----------------|-------|-------------------|---------|
| Signal          |             |                 | TX Type | ANT | Conducted Power (dBm/MHz) |        | EIRP (dBm/ MHz) |       | Booster Gain (dB) | Verdict |
| Type            | Level (dBm) | Frequency (MHz) |         |     | Output                    | Input  | Result          | Limit |                   |         |
| GMSK<br>0.2MHz  | -0.3        | 2154.55         | SISO    | 1   | 37.05                     | -0.55  | 49.05           | <=65  | 37.60             | Pass    |
|                 | 2.7         | 2154.55         | SISO    | 1   | 37.24                     | 2.54   | 49.24           | <=65  | /                 | Pass    |
| AWGN<br>5MHz    | -0.3        | 2154.55         | SISO    | 1   | 30.66                     | -7.10  | 42.66           | <=65  | 37.76             | Pass    |
|                 | 2.7         | 2154.55         | SISO    | 1   | 30.88                     | -4.09  | 42.88           | <=65  | /                 | Pass    |
| AWGN<br>100MHz  | -0.3        | 2154.55         | SISO    | 1   | 17.22                     | -20.31 | 29.22           | <=65  | 37.53             | Pass    |
|                 | 2.7         | 2154.55         | SISO    | 1   | 17.25                     | -17.33 | 29.25           | <=65  | /                 | Pass    |

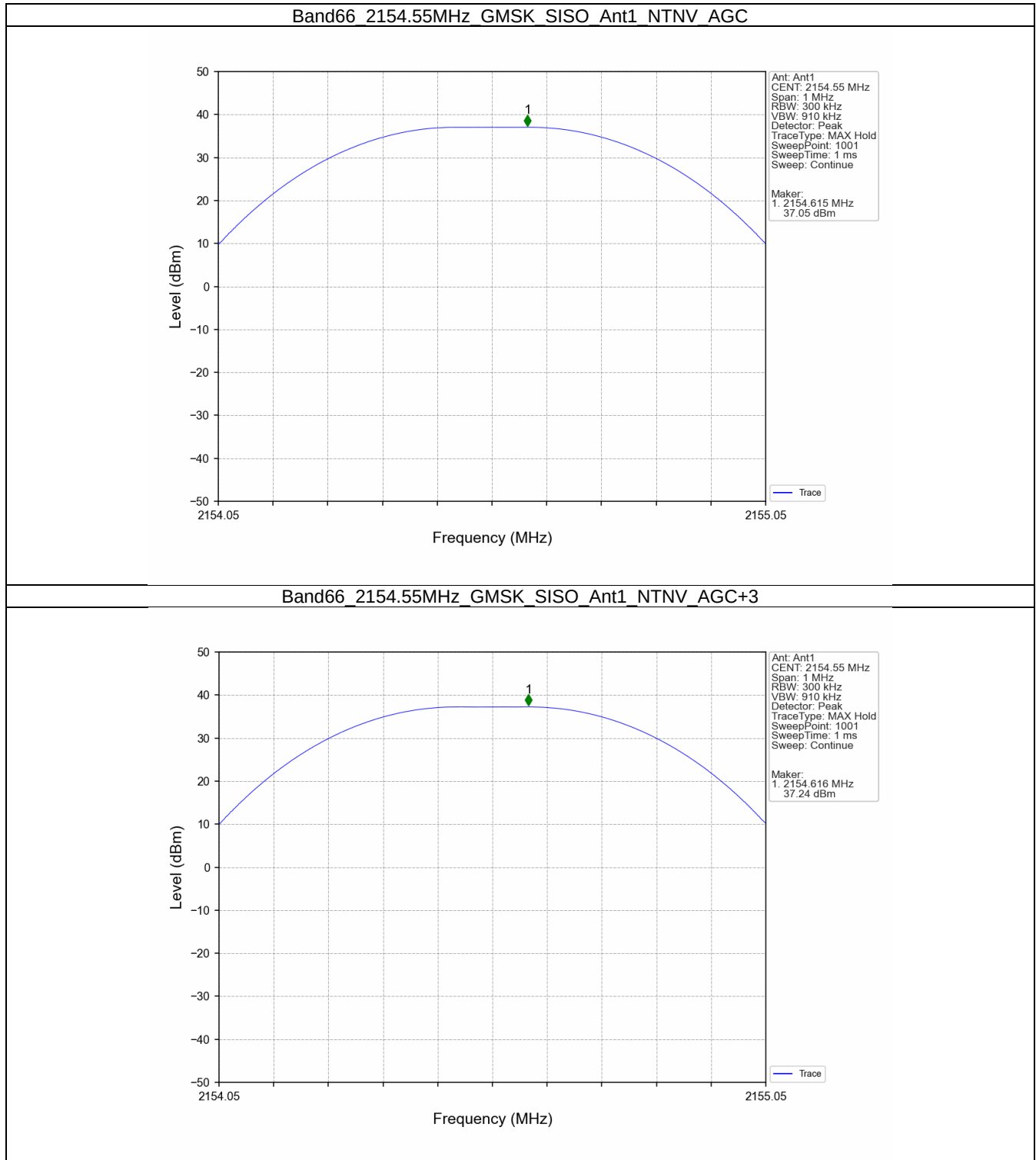
| Signal         |             |                 | ANT | Conducted Power (dBm) | EIRP (dBm) | Limit | Verdict |
|----------------|-------------|-----------------|-----|-----------------------|------------|-------|---------|
| Type           | Level (dBm) | Frequency (MHz) |     | SISO                  | SISO       |       |         |
| GMSK<br>0.2MHz | -0.3        | 2154.55         | 1   | 37.05                 | 49.05      | /     | Pass    |
|                | 2.7         | 2154.55         | 1   | 37.24                 | 49.24      | /     | Pass    |
| AWGN<br>5MHz   | -0.3        | 2154.55         | 1   | 37.65                 | 49.65      | /     | Pass    |
|                | 2.7         | 2154.55         | 1   | 37.87                 | 49.87      | /     | Pass    |
| AWGN<br>100MHz | -0.3        | 2154.55         | 1   | 37.22                 | 49.22      | /     | Pass    |
|                | 2.7         | 2154.55         | 1   | 37.25                 | 49.25      | /     | Pass    |

#### 4.1.2 Band66\_PAPR

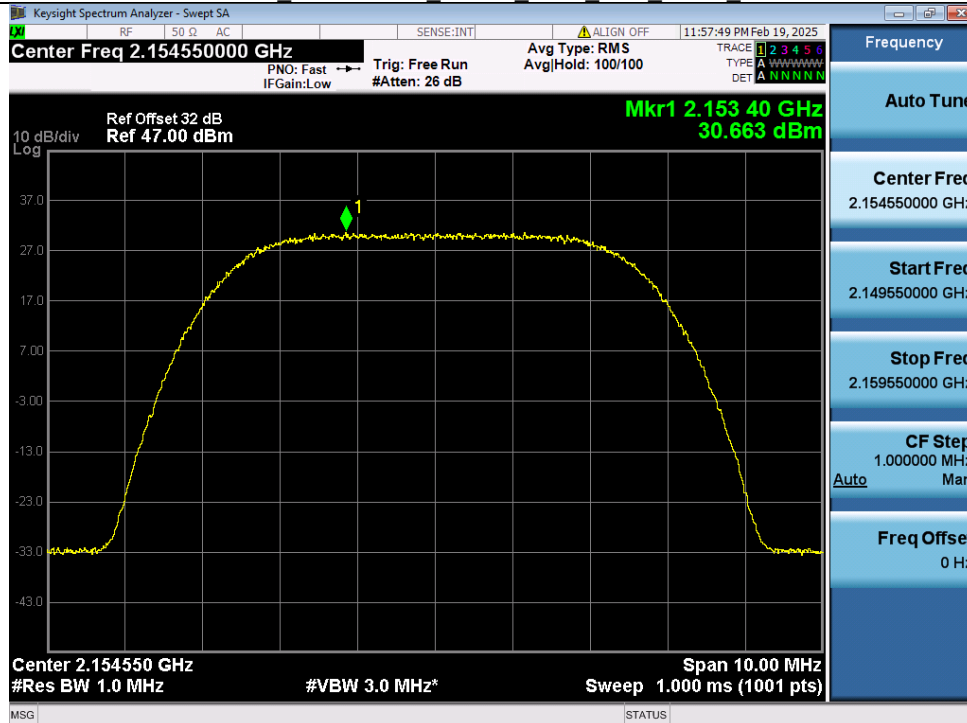
| Band: 66 / NTNV |             |                 |         |     |           |       |         |
|-----------------|-------------|-----------------|---------|-----|-----------|-------|---------|
| Signal          |             |                 | TX Type | ANT | PAPR (dB) |       | Verdict |
| Type            | Level (dBm) | Frequency (MHz) |         |     | Result    | Limit |         |
| GMSK<br>0.2MHz  | -0.3        | 2154.55         | SISO    | 1   | 0.22      | <=13  | Pass    |
|                 | 2.7         | 2154.55         | SISO    | 1   | 0.39      | <=13  | Pass    |
| AWGN<br>5MHz    | -0.3        | 2154.55         | SISO    | 1   | 8.28      | <=13  | Pass    |
|                 | 2.7         | 2154.55         | SISO    | 1   | 8.23      | <=13  | Pass    |
| AWGN<br>100MHz  | -0.3        | 2154.55         | SISO    | 1   | 8.42      | <=13  | Pass    |
|                 | 2.7         | 2154.55         | SISO    | 1   | 8.41      | <=13  | Pass    |

## 4.2 Test Graph

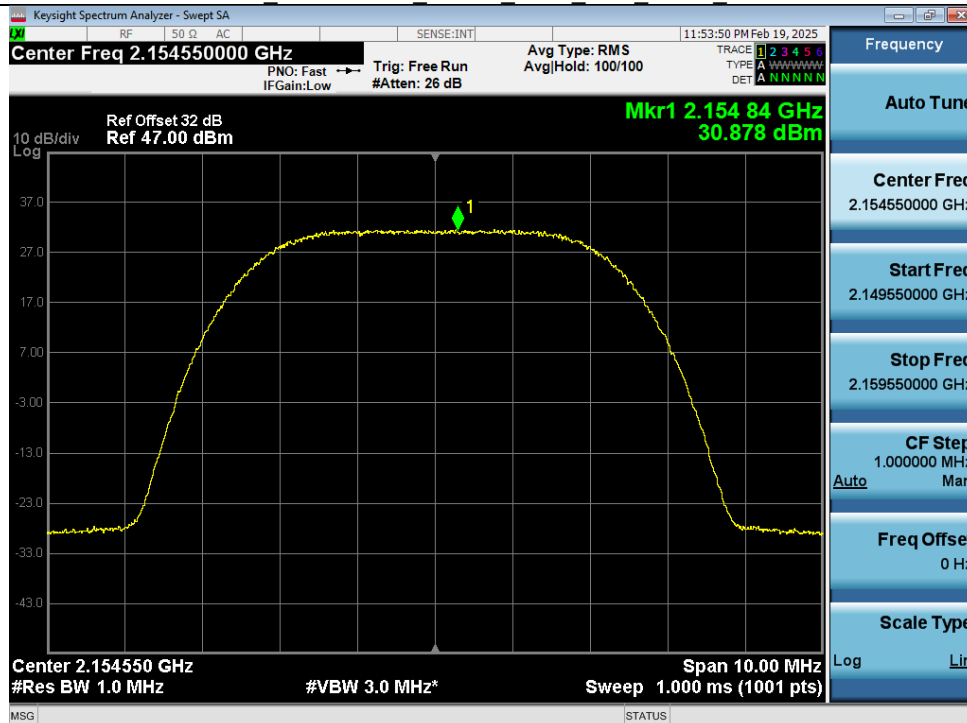
### 4.2.1 Band66\_EIRP



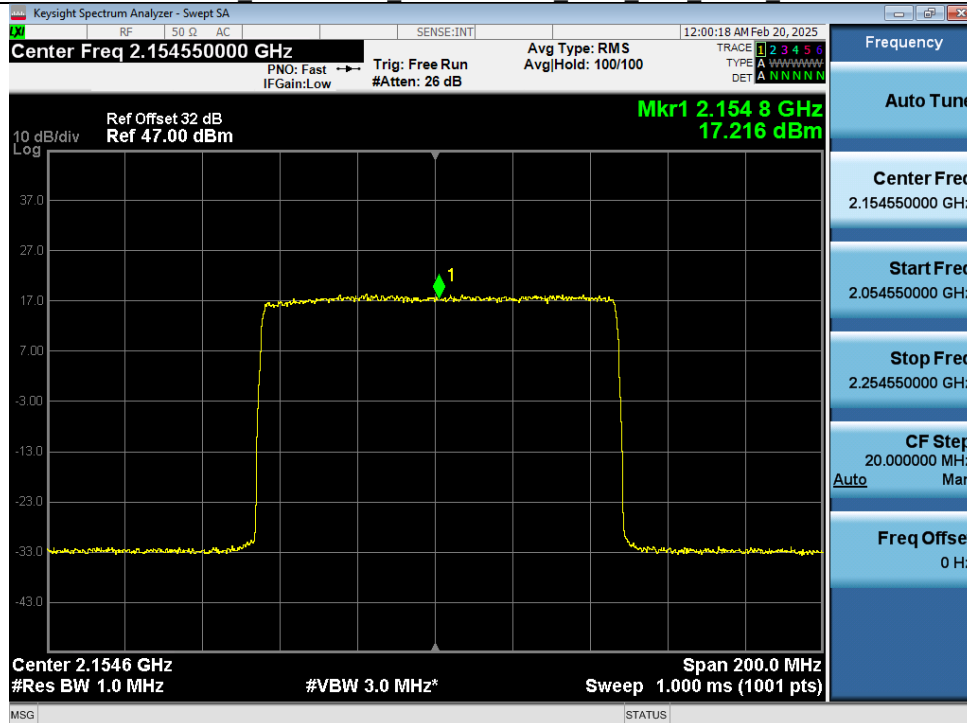
Band66\_2154.55MHz\_AWGN\_SISO\_Ant1\_NTNV\_AGC



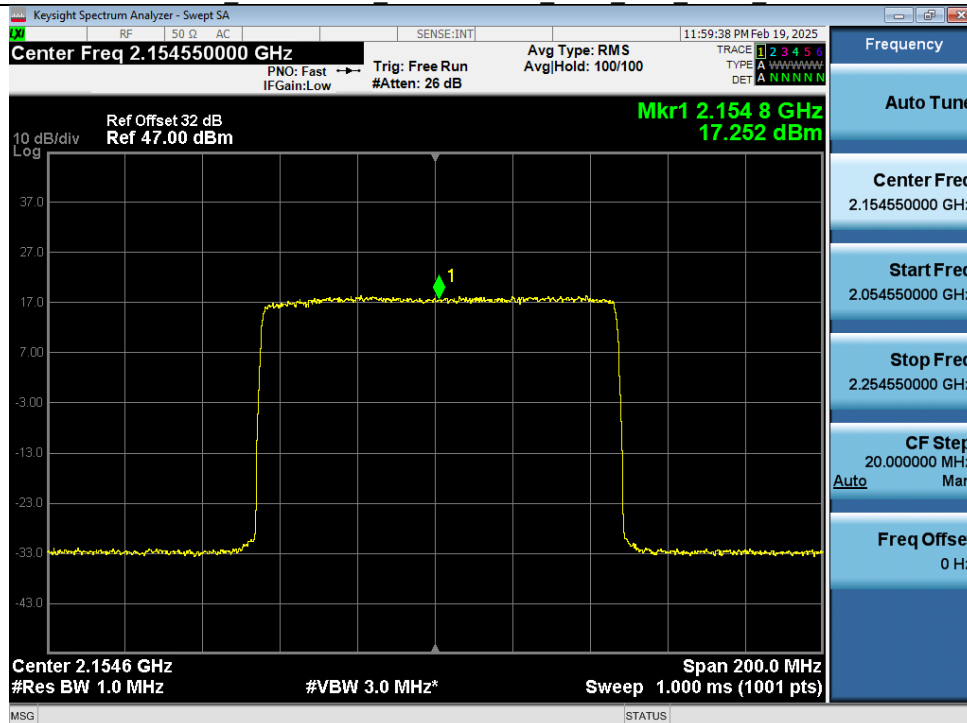
Band66\_2154.55MHz\_AWGN\_SISO\_Ant1\_NTNV\_AGC+3



Band66 2154.55MHz\_Broad100MHz\_SISO\_Ant1\_NTNV\_AGC

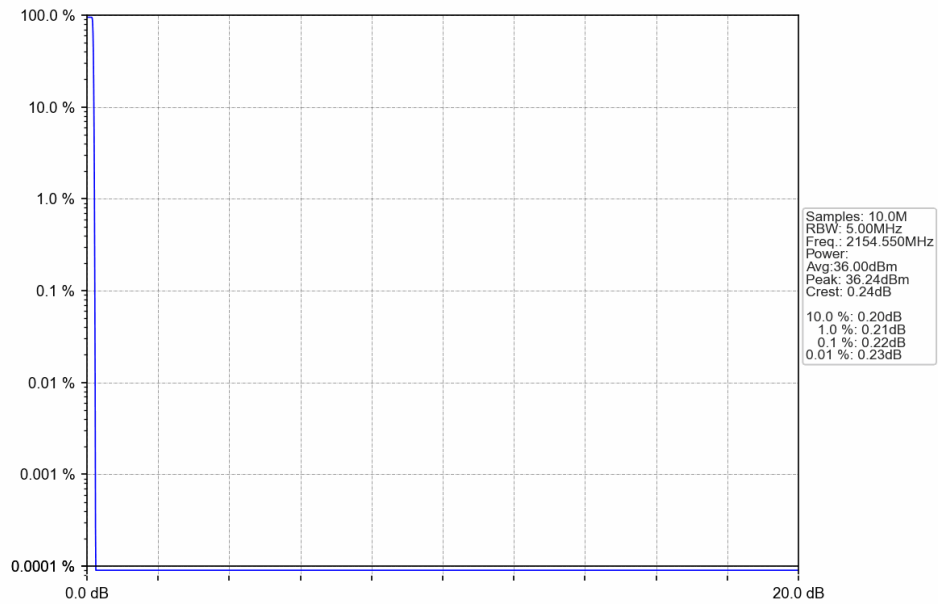


Band66 2154.55MHz\_Broad100MHz\_SISO\_Ant1\_NTNV\_AGC+3

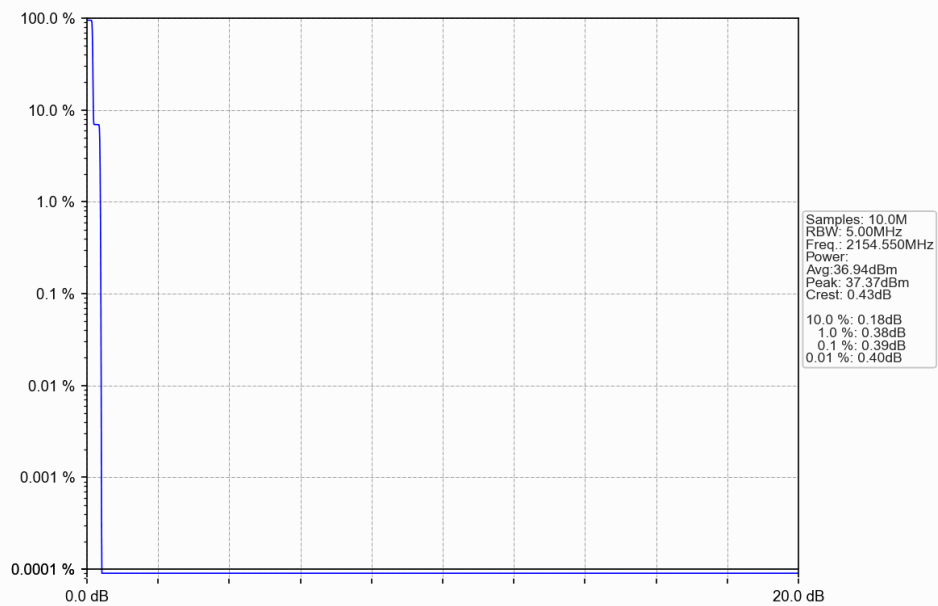


## 4.2.2 Band66\_PAPR

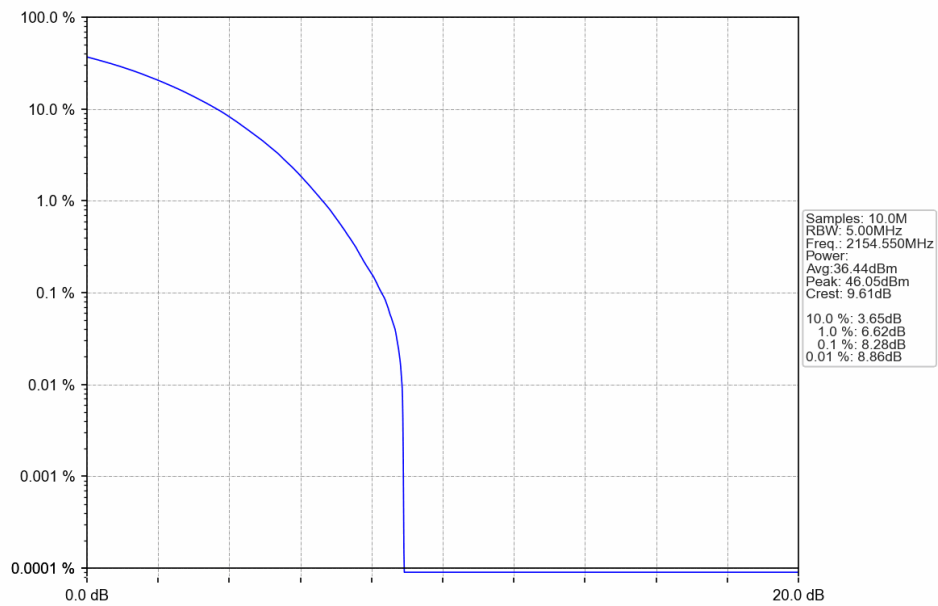
Band66\_2154.55MHz\_GMSK\_SISO\_Ant1\_NTNV\_AGC



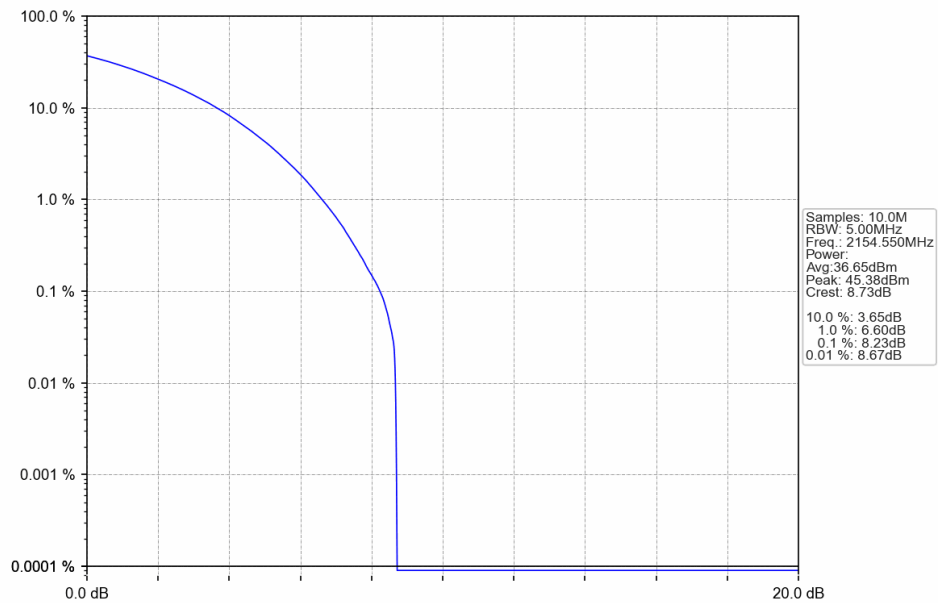
Band66\_2154.55MHz\_GMSK\_SISO\_Ant1\_NTNV\_AGC+3



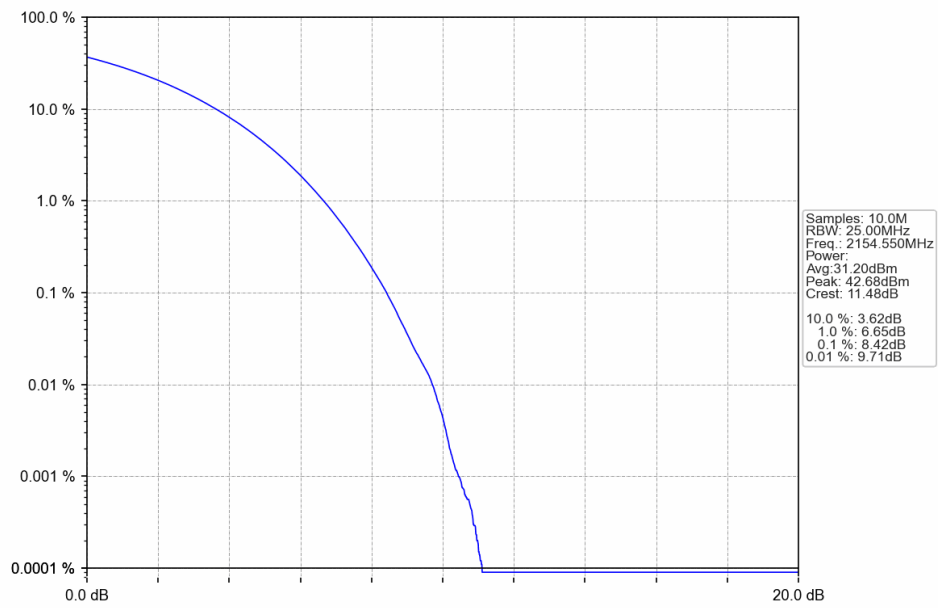
Band66\_2154.55MHz\_AWGN\_SISO\_Ant1\_NTNV\_AGC



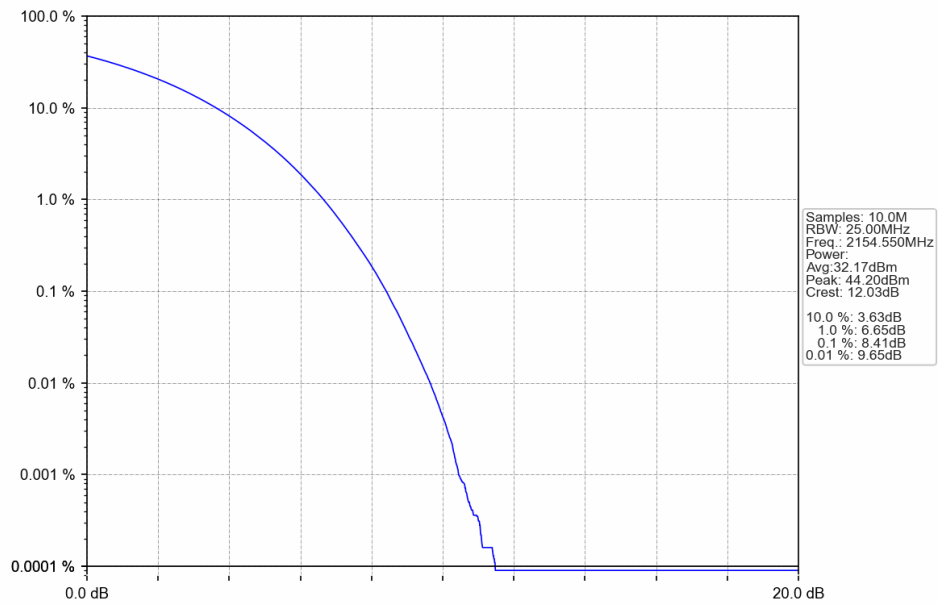
Band66\_2154.55MHz\_AWGN\_SISO\_Ant1\_NTNV\_AGC+3



Band66\_2154.55MHz\_Broad100MHz\_SISO\_Ant1\_NTNV\_AGC



Band66\_2154.55MHz\_Broad100MHz\_SISO\_Ant1\_NTNV\_AGC+3



## 5. Out-of-band/out-of-block (including intermodulation) emissions

### 5.1 Test Result

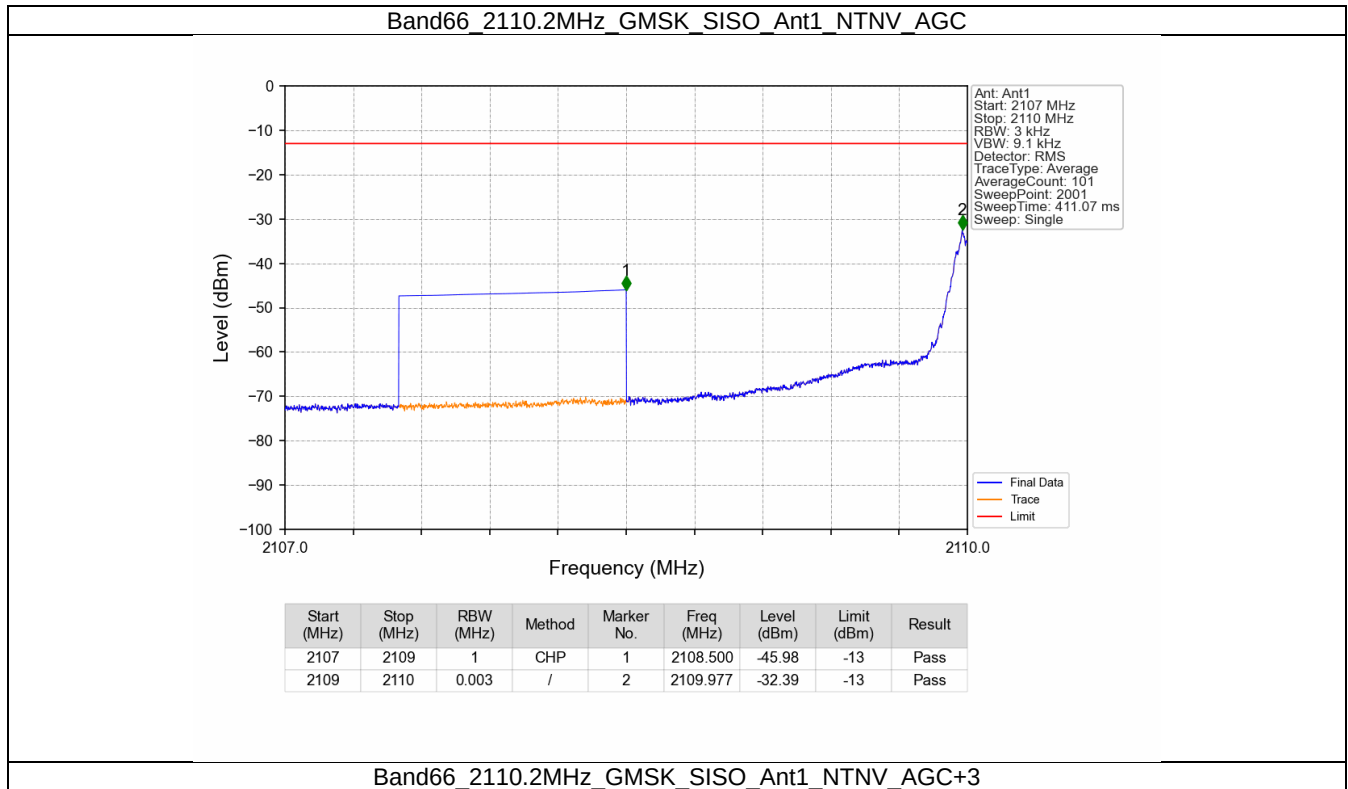
#### 5.1.1 Band66

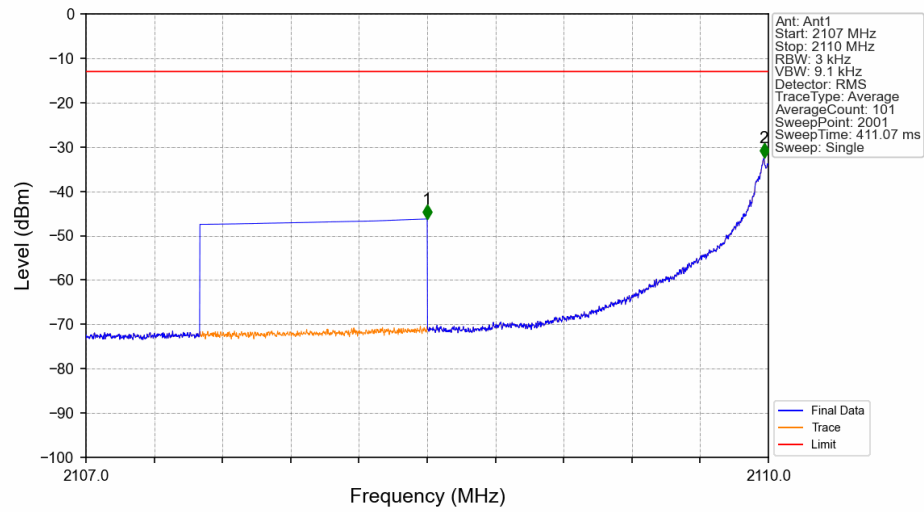
| Band: 66 / NTNV |                |             |                 |         |         |     |           |                     |         |
|-----------------|----------------|-------------|-----------------|---------|---------|-----|-----------|---------------------|---------|
| Input           | Type           | Signal      |                 | Channel | TX Type | ANT | OOB (dBm) |                     | Verdict |
|                 |                | Level (dBm) | Frequency (MHz) |         |         |     | Result    | Limit               |         |
| Two             | GMSK<br>0.2MHz | -0.3        | 2110.2          | LCH     | SISO    | 1   | -32.39    | Refer To Test Graph | Pass    |
|                 |                | 2.7         | 2110.2          | LCH     | SISO    | 1   | -32.41    | Refer To Test Graph | Pass    |
| One             | GMSK<br>0.2MHz | -0.3        | 2110.2          | LCH     | SISO    | 1   | -32.45    | Refer To Test Graph | Pass    |
|                 |                | 2.7         | 2110.2          | LCH     | SISO    | 1   | -30.59    | Refer To Test Graph | Pass    |
| Two             | GMSK<br>0.2MHz | -0.3        | 2199.8          | HCH     | SISO    | 1   | -26.98    | Refer To Test Graph | Pass    |
|                 |                | 2.7         | 2199.8          | HCH     | SISO    | 1   | -27.32    | Refer To Test Graph | Pass    |
| One             | GMSK<br>0.2MHz | -0.3        | 2199.8          | HCH     | SISO    | 1   | -29.83    | Refer To Test Graph | Pass    |
|                 |                | 2.7         | 2199.8          | HCH     | SISO    | 1   | -29.77    | Refer To Test Graph | Pass    |
| Two             | AWGN<br>5MHz   | -0.3        | 2112.5          | LCH     | SISO    | 1   | -24.61    | Refer To Test Graph | Pass    |
|                 |                | 2.7         | 2112.5          | LCH     | SISO    | 1   | -24.51    | Refer To Test Graph | Pass    |
| One             | AWGN<br>5MHz   | -0.3        | 2112.5          | LCH     | SISO    | 1   | -23.50    | Refer To Test Graph | Pass    |
|                 |                | 2.7         | 2112.5          | LCH     | SISO    | 1   | -23.27    | Refer To Test Graph | Pass    |
| Two             | AWGN<br>5MHz   | -0.3        | 2197.5          | HCH     | SISO    | 1   | -23.13    | Refer To Test Graph | Pass    |
|                 |                | 2.7         | 2197.5          | HCH     | SISO    | 1   | -22.63    | Refer To Test Graph | Pass    |
| One             | AWGN<br>5MHz   | -0.3        | 2197.5          | HCH     | SISO    | 1   | -23.44    | Refer To Test Graph | Pass    |
|                 |                | 2.7         | 2197.5          | HCH     | SISO    | 1   | -24.62    | Refer To Test Graph | Pass    |
| Two             | AWGN<br>100MHz | -0.3        | 2160            | LCH     | SISO    | 1   | -14.62    | Refer To Test Graph | Pass    |
|                 |                | 2.7         | 2160            | LCH     | SISO    | 1   | -15.74    | Refer To Test Graph | Pass    |
| One             | AWGN<br>100MHz | -0.3        | 2160            | LCH     | SISO    | 1   | -15.84    | Refer To Test Graph | Pass    |
|                 |                | 2.7         | 2160            | LCH     | SISO    | 1   | -15.49    | Refer To Test Graph | Pass    |
| Two             | AWGN<br>100MHz | -0.3        | 2150            | HCH     | SISO    | 1   | -16.06    | Refer To Test Graph | Pass    |
|                 |                | 2.7         | 2150            | HCH     | SISO    | 1   | -15.31    | Refer To Test Graph | Pass    |
| One             | AWGN<br>100MHz | -0.3        | 2150            | HCH     | SISO    | 1   | -15.99    | Refer To Test Graph | Pass    |
|                 |                | 2.7         | 2150            | HCH     | SISO    | 1   | -14.84    | Refer To Test Graph | Pass    |



## 5.2 Test Graph

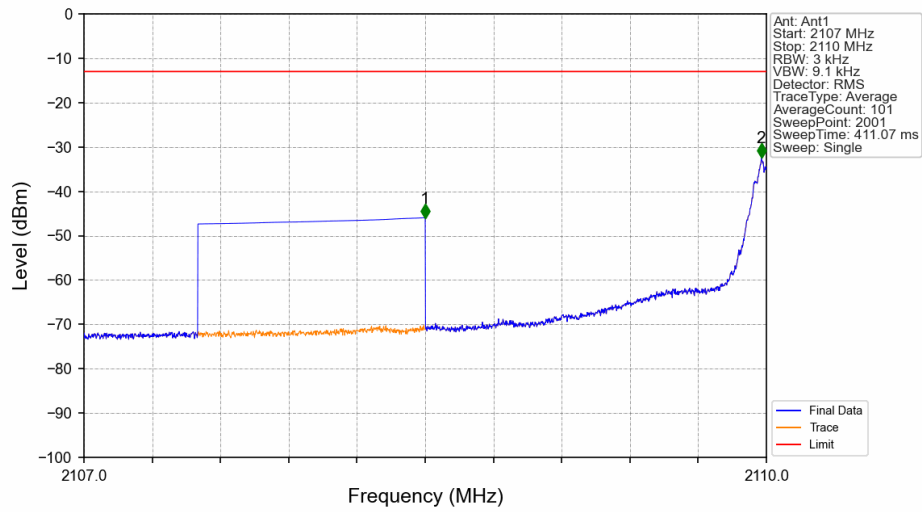
### 5.2.1 Band66





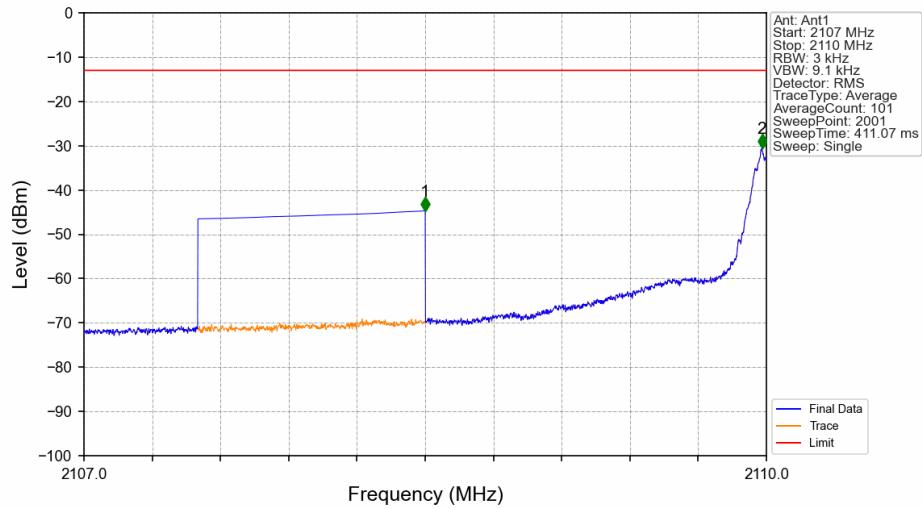
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2107        | 2109       | 1         | CHP    | 1          | 2108.500   | -46.23      | -13         | Pass   |
| 2109        | 2110       | 0.003     | /      | 2          | 2109.981   | -32.41      | -13         | Pass   |

Band66\_2110.2MHz\_GMSK\_SISO\_Ant1\_NTNV\_AGC



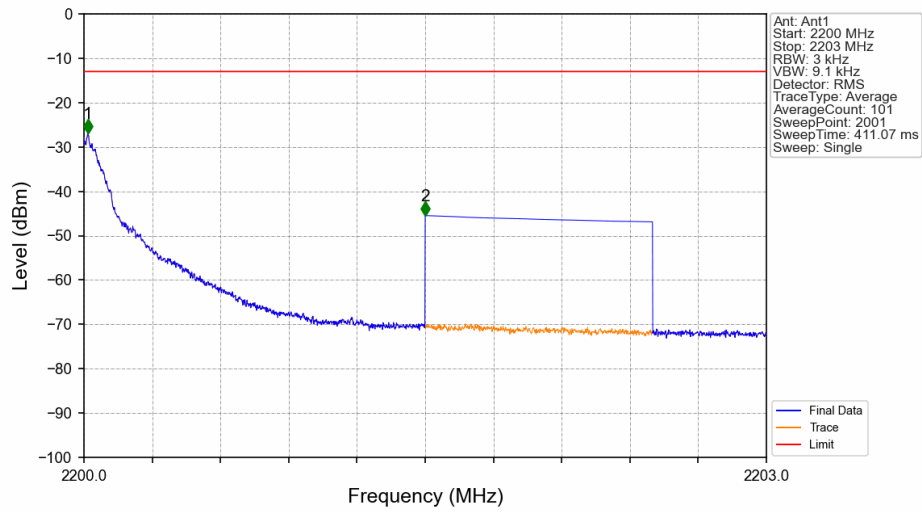
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2107        | 2109       | 1         | CHP    | 1          | 2108.499   | -45.97      | -13         | Pass   |
| 2109        | 2110       | 0.003     | /      | 2          | 2109.977   | -32.45      | -13         | Pass   |

Band66\_2110.2MHz\_GMSK\_SISO\_Ant1\_NTNV\_AGC+3

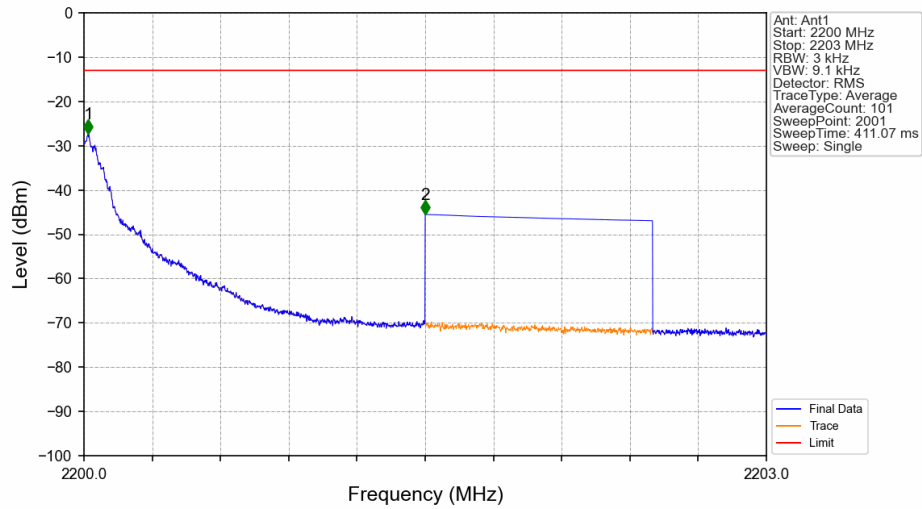


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2107        | 2109       | 1         | CHP    | 1          | 2108.499   | -44.72      | -13         | Pass   |
| 2109        | 2110       | 0.003     | /      | 2          | 2109.981   | -30.59      | -13         | Pass   |

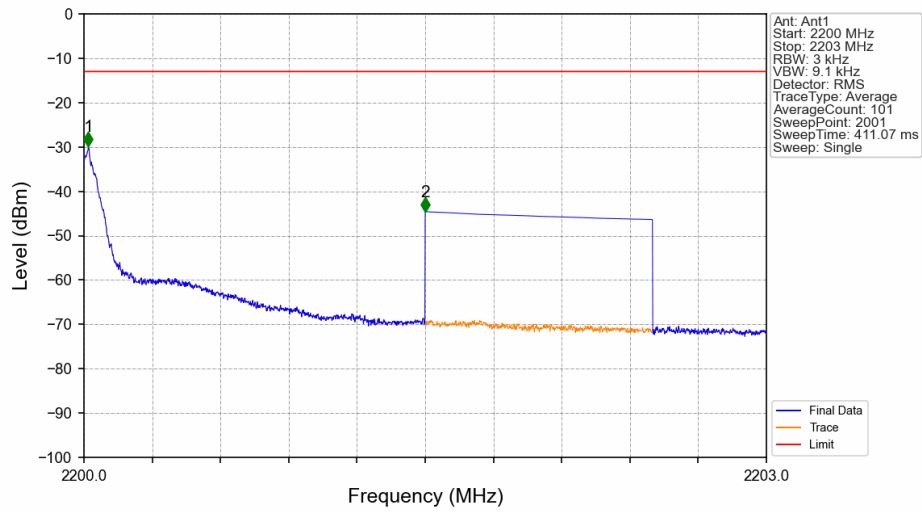
Band66\_2199.8MHz\_GMSK\_SISO\_Ant1\_NTNV\_AGC



Band66\_2199.8MHz\_GMSK\_SISO\_Ant1\_NTNV\_AGC+3

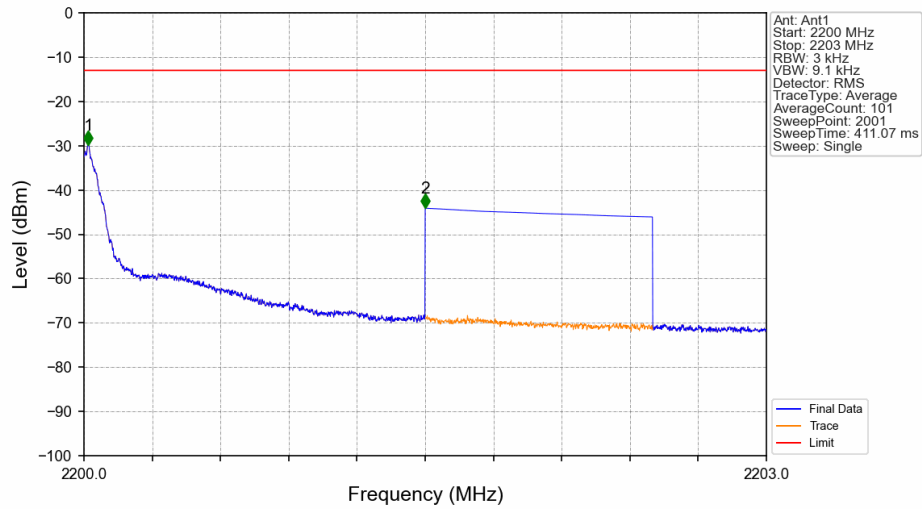


Band66\_2199.8MHz\_GMSK\_SISO\_Ant1\_NTNV\_AGC



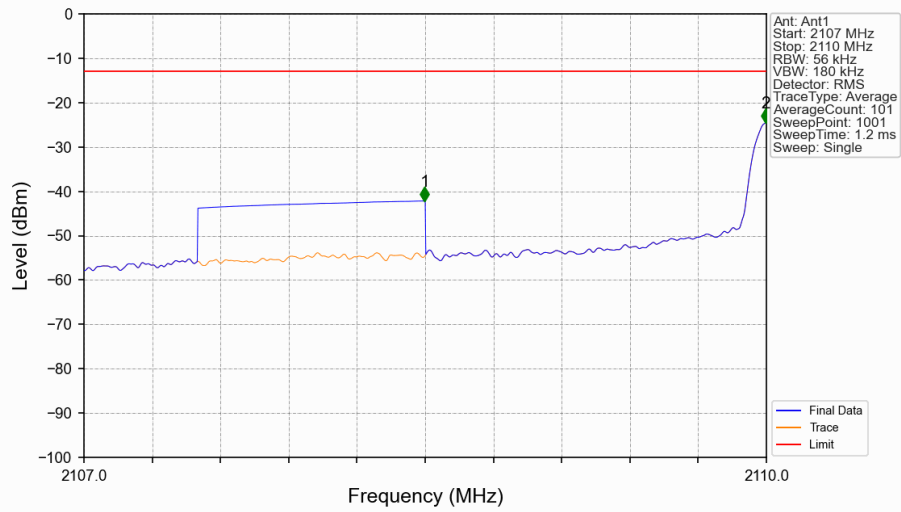
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2200        | 2201       | 0.003     | /      | 1          | 2200.019   | -29.83      | -13         | Pass   |
| 2201        | 2203       | 1         | CHP    | 2          | 2201.500   | -44.59      | -13         | Pass   |

Band66\_2199.8MHz\_GMSK\_SISO\_Ant1\_NTNV\_AGC+3



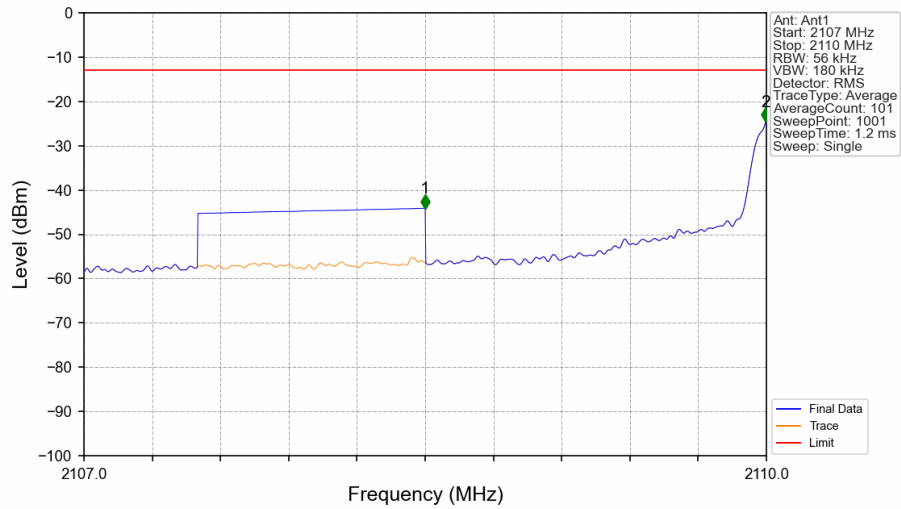
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2200        | 2201       | 0.003     | /      | 1          | 2200.018   | -29.77      | -13         | Pass   |
| 2201        | 2203       | 1         | CHP    | 2          | 2201.500   | -44.11      | -13         | Pass   |

Band66\_2112.5MHz\_AWGN\_SISO\_Ant1\_NTNV\_AGC



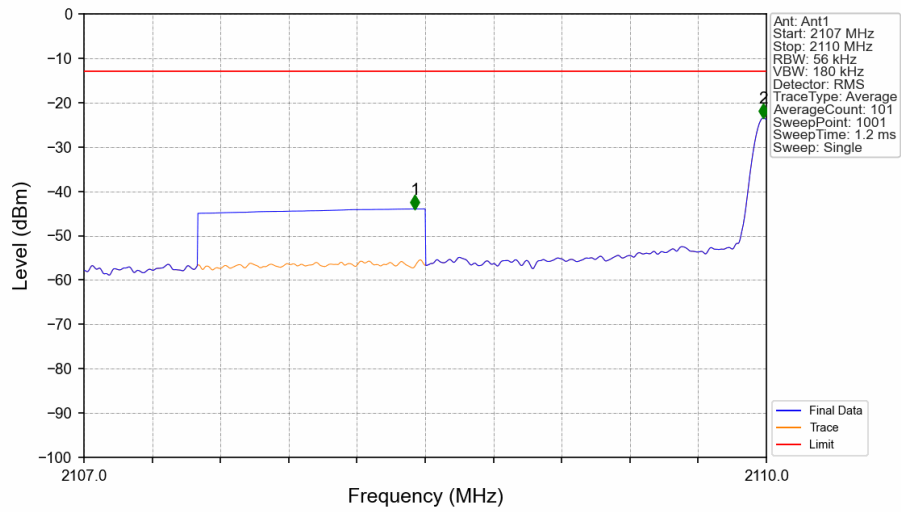
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2107        | 2109       | 1         | CHP    | 1          | 2108.497   | -42.18      | -13         | Pass   |
| 2109        | 2110       | 0.056     | /      | 2          | 2109.997   | -24.61      | -13         | Pass   |

Band66\_2112.5MHz\_AWGN\_SISO\_Ant1\_NTNV\_AGC+3



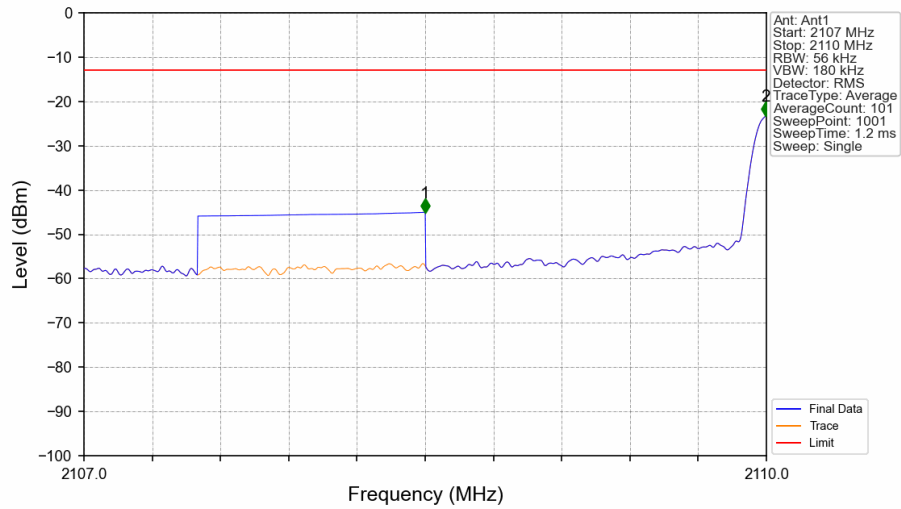
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2107        | 2109       | 1         | CHP    | 1          | 2108.500   | -44.12      | -13         | Pass   |
| 2109        | 2110       | 0.056     | /      | 2          | 2109.997   | -24.51      | -13         | Pass   |

Band66\_2112.5MHz\_AWGN\_SISO\_Ant1\_NTNV\_AGC



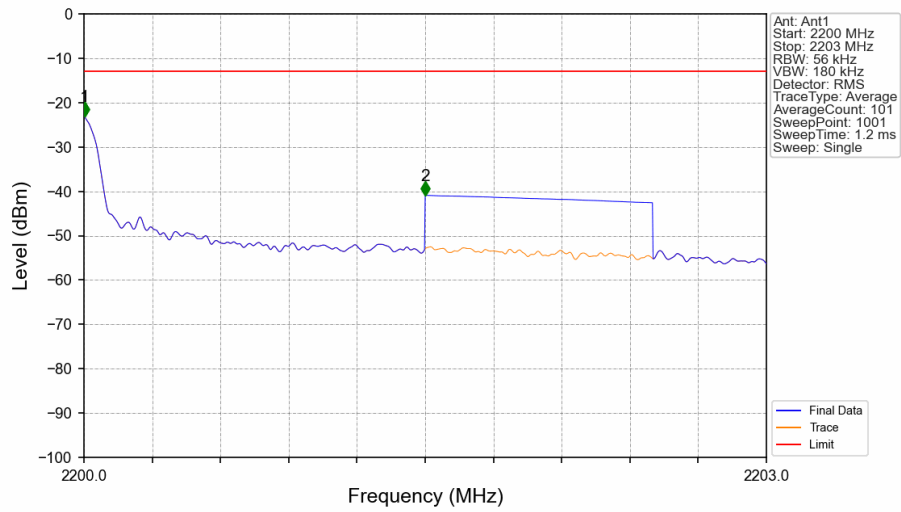
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2107        | 2109       | 1         | CHP    | 1          | 2108.455   | -43.98      | -13         | Pass   |
| 2109        | 2110       | 0.056     | /      | 2          | 2109.985   | -23.50      | -13         | Pass   |

Band66\_2112.5MHz\_AWGN\_SISO\_Ant1\_NTNV\_AGC+3



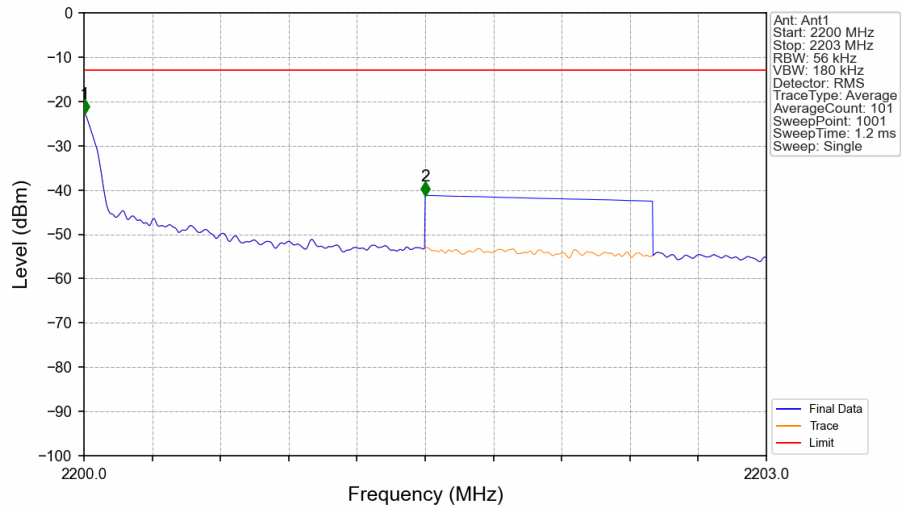
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2107        | 2109       | 1         | CHP    | 1          | 2108.500   | -45.04      | -13         | Pass   |
| 2109        | 2110       | 0.056     | /      | 2          | 2109.997   | -23.27      | -13         | Pass   |

Band66\_2197.5MHz\_AWGN\_SISO\_Ant1\_NTNV\_AGC



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2200        | 2201       | 0.056     | /      | 1          | 2200.003   | -23.13      | -13         | Pass   |
| 2201        | 2203       | 1         | CHP    | 2          | 2201.500   | -40.90      | -13         | Pass   |

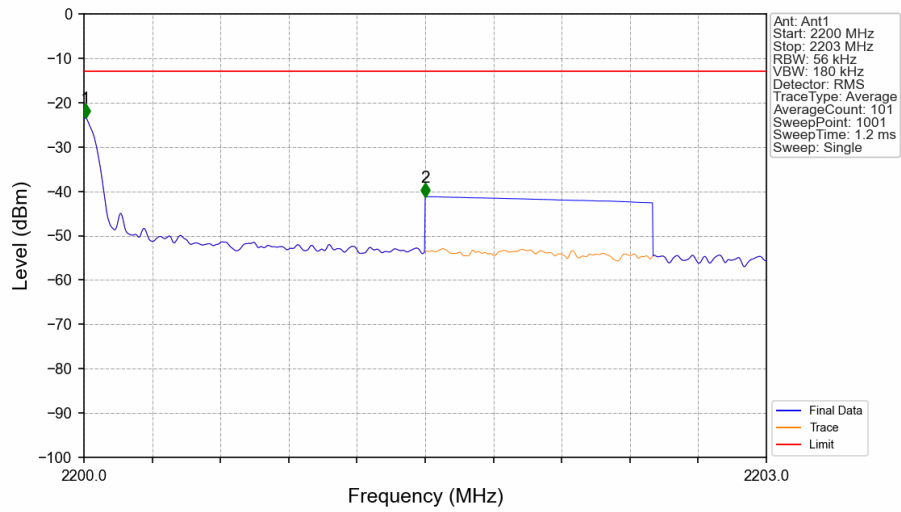
Band66\_2197.5MHz\_AWGN\_SISO\_Ant1\_NTNV\_AGC+3



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2200        | 2201       | 0.056     | /      | 1          | 2200.003   | -22.63      | -13         | Pass   |
| 2201        | 2203       | 1         | CHP    | 2          | 2201.500   | -41.21      | -13         | Pass   |

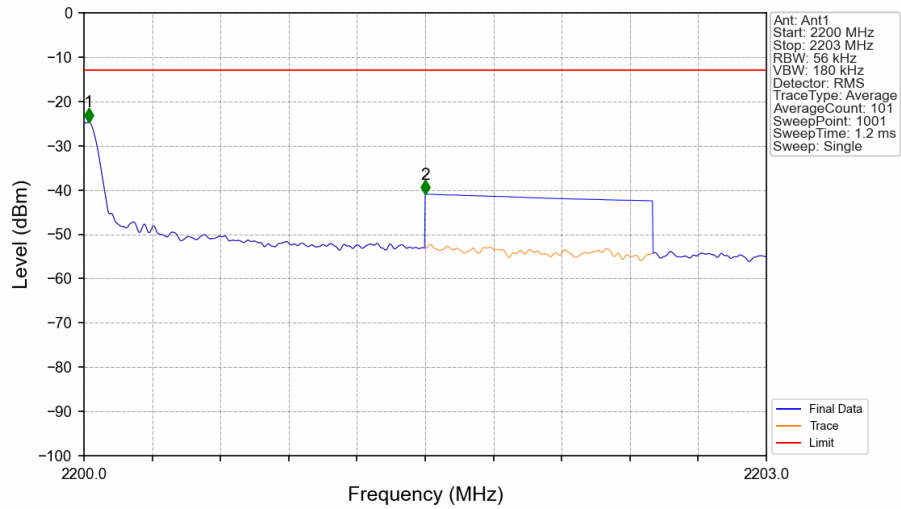


Band66\_2197.5MHz\_AWGN\_SISO\_Ant1\_NTNV\_AGC



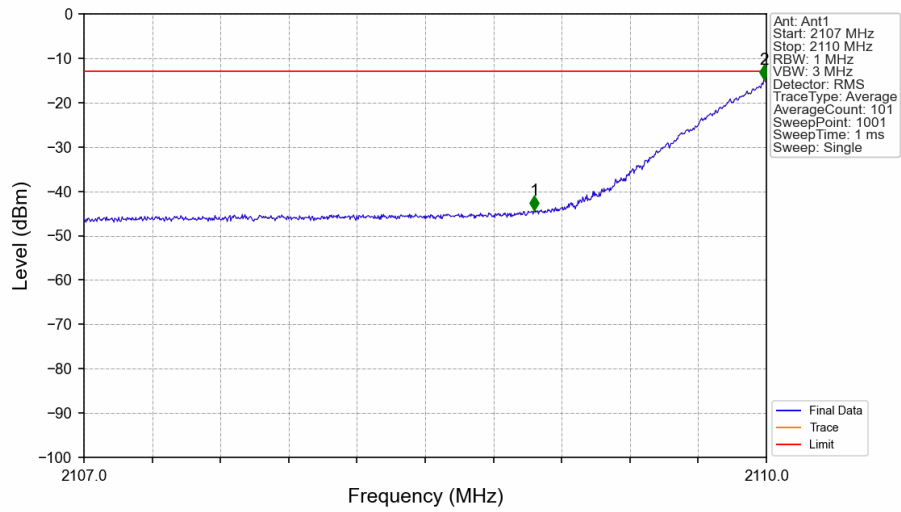
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2200        | 2201       | 0.056     | /      | 1          | 2200.006   | -23.44      | -13         | Pass   |
| 2201        | 2203       | 1         | CHP    | 2          | 2201.500   | -41.22      | -13         | Pass   |

Band66\_2197.5MHz\_AWGN\_SISO\_Ant1\_NTNV\_AGC+3



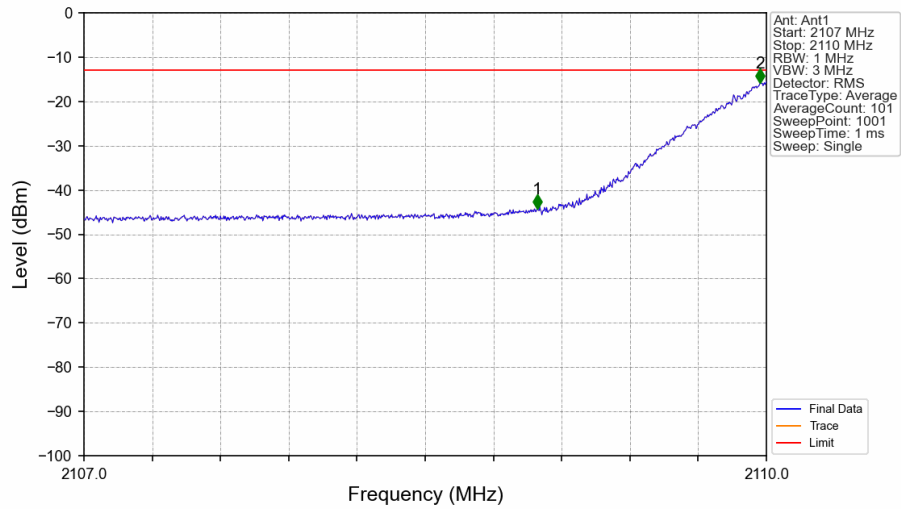
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2200        | 2201       | 0.056     | /      | 1          | 2200.021   | -24.62      | -13         | Pass   |
| 2201        | 2203       | 1         | CHP    | 2          | 2201.500   | -40.94      | -13         | Pass   |

Band66\_2160MHz\_Broad100MHz\_SISO\_Ant1\_NTNV\_AGC



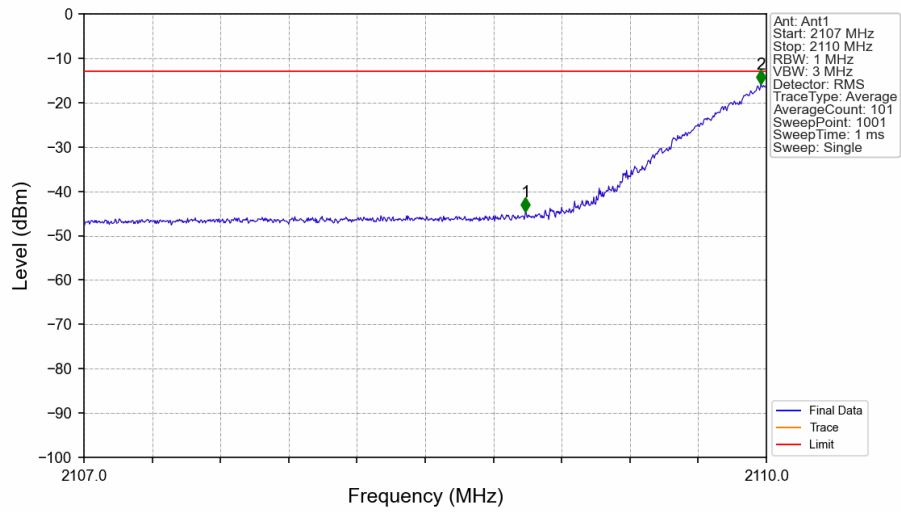
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2107        | 2109       | 1         | /      | 1          | 2108.980   | -44.25      | -13         | Pass   |
| 2109        | 2110       | 1.007     | /      | 2          | 2109.991   | -14.61      | -13         | Pass   |

Band66\_2160MHz\_Broad100MHz\_SISO\_Ant1\_NTNV\_AGC+3



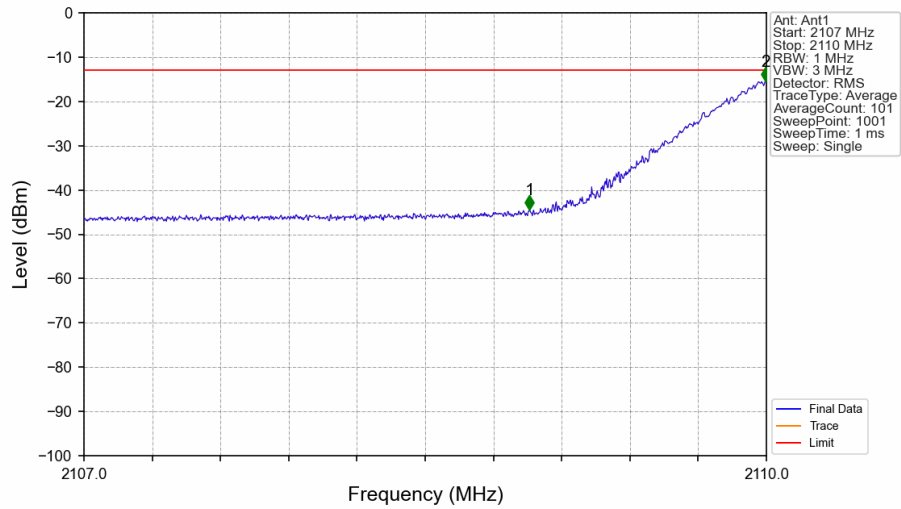
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2107        | 2109       | 1         | /      | 1          | 2108.992   | -44.22      | -13         | Pass   |
| 2109        | 2110       | 1.007     | /      | 2          | 2109.973   | -15.74      | -13         | Pass   |

Band66\_2160MHz\_Broad100MHz\_SISO\_Ant1\_NTNV\_AGC



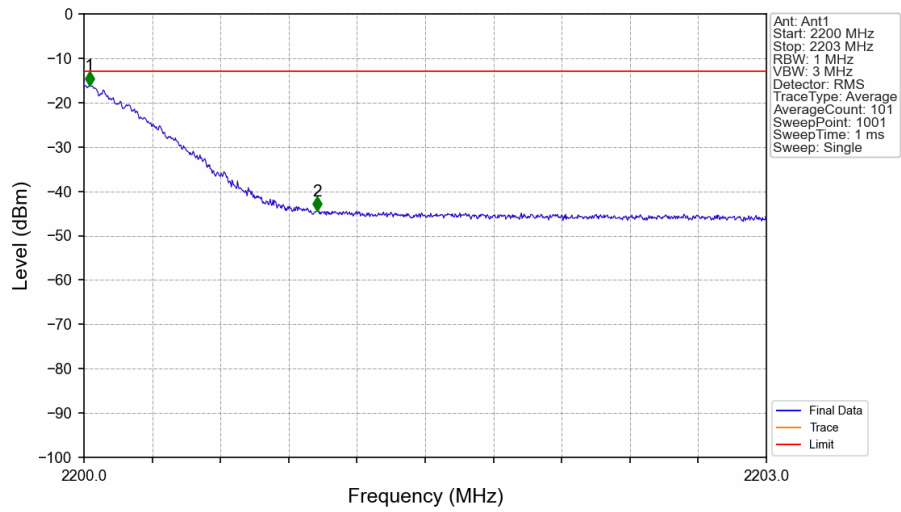
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2107        | 2109       | 1         | /      | 1          | 2108.941   | -44.51      | -13         | Pass   |
| 2109        | 2110       | 1.007     | /      | 2          | 2109.976   | -15.84      | -13         | Pass   |

Band66\_2160MHz\_Broad100MHz\_SISO\_Ant1\_NTNV\_AGC+3

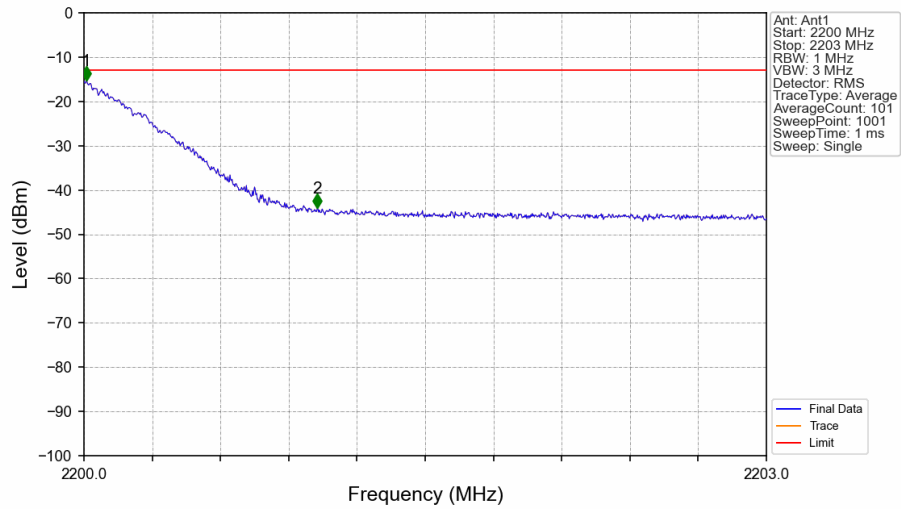


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2107        | 2109       | 1         | /      | 1          | 2108.959   | -44.40      | -13         | Pass   |
| 2109        | 2110       | 1.007     | /      | 2          | 2109.997   | -15.49      | -13         | Pass   |

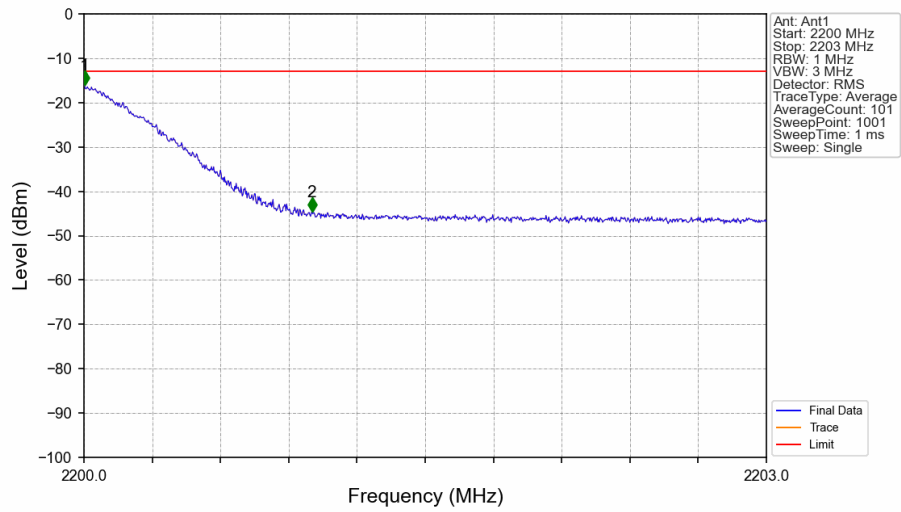
Band66\_2150MHz\_Broad100MHz\_SISO\_Ant1\_NTNV\_AGC



Band66\_2150MHz\_Broad100MHz\_SISO\_Ant1\_NTNV\_AGC+3

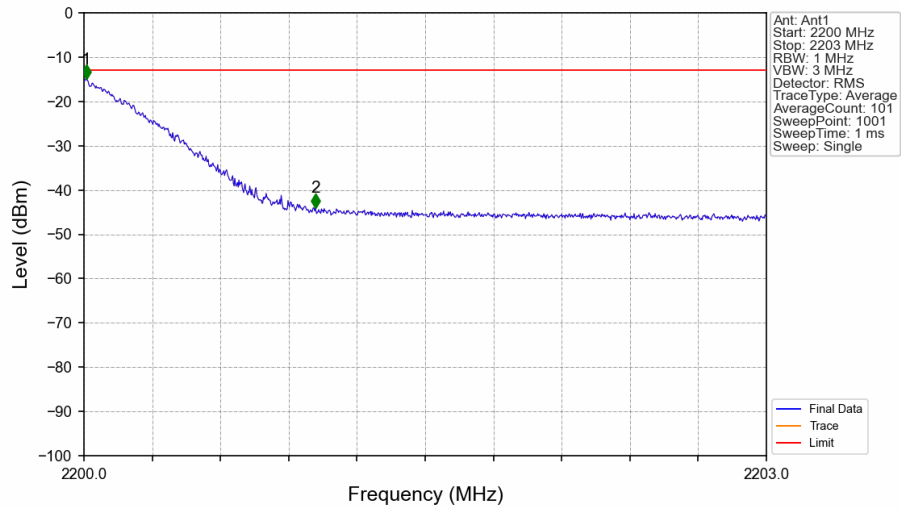


Band66\_2150MHz\_Broad100MHz\_SISO\_Ant1\_NTNV\_AGC



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2200        | 2201       | 1.007     | /      | 1          | 2200.003   | -15.99      | -13         | Pass   |
| 2201        | 2203       | 1         | /      | 2          | 2201.002   | -44.51      | -13         | Pass   |

Band66\_2150MHz\_Broad100MHz\_SISO\_Ant1\_NTNV\_AGC+3



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2200        | 2201       | 1.007     | /      | 1          | 2200.009   | -14.84      | -13         | Pass   |
| 2201        | 2203       | 1         | /      | 2          | 2201.017   | -43.94      | -13         | Pass   |

## 6. Spurious emissions

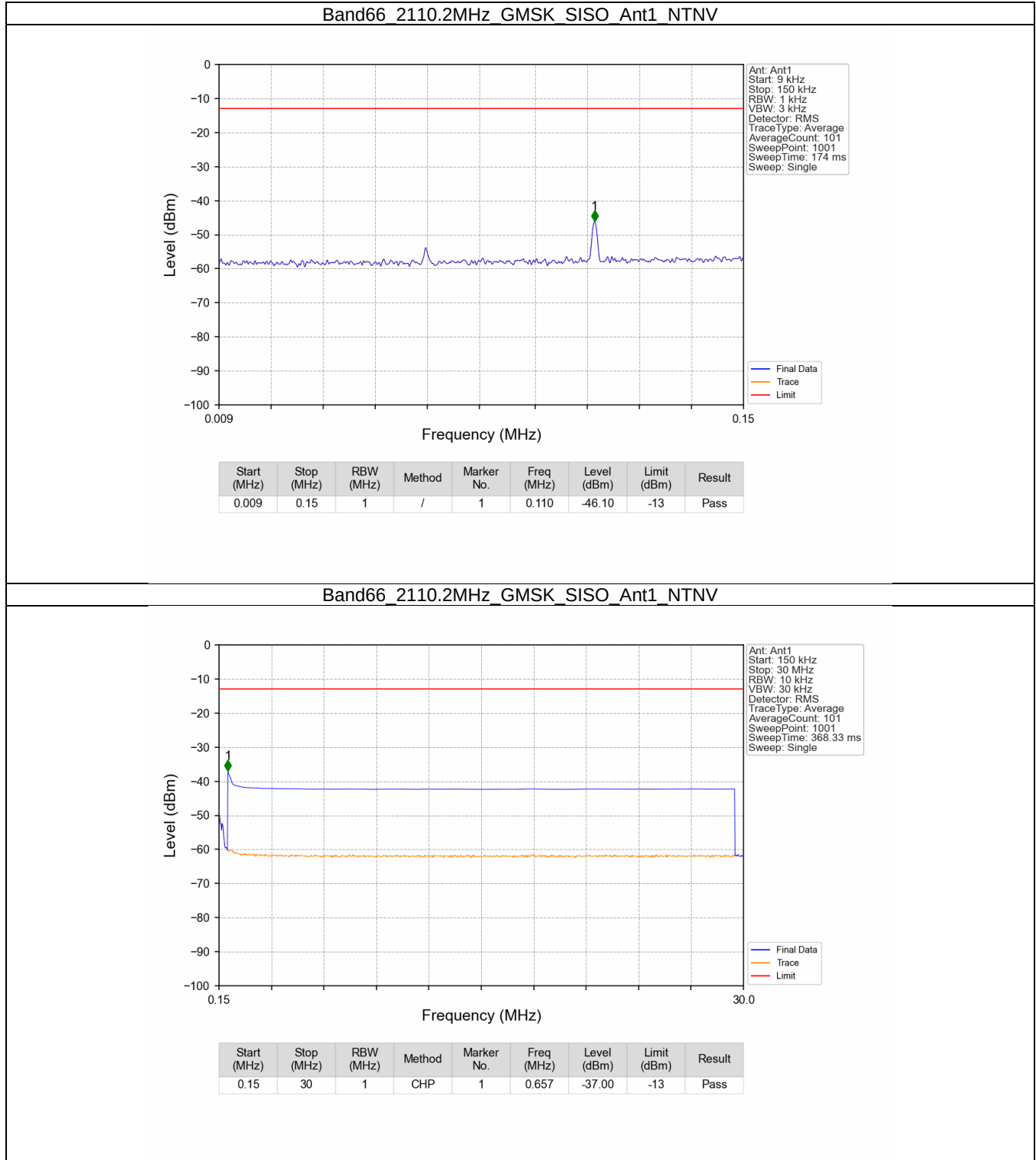
### 6.1 Test Result

#### 6.1.1 Band66

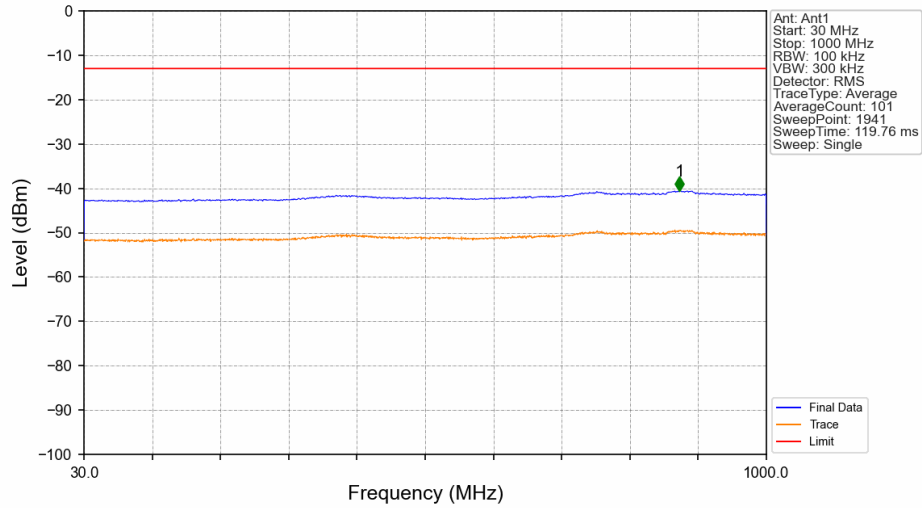
| Band: 66 / NTNV |             |                 |         |         |     |                     |       |         |
|-----------------|-------------|-----------------|---------|---------|-----|---------------------|-------|---------|
| Signal          |             |                 | Channel | TX Type | ANT | SE (dBm)            |       | Verdict |
| Type            | Level (dBm) | Frequency (MHz) |         |         |     | Result              | Limit |         |
| GMSK<br>0.2MHz  | -0.3        | 2110.2          | LCH     | SISO    | 1   | Refer To Test Graph |       | Pass    |
|                 |             | 2155            | MCH     | SISO    | 1   | Refer To Test Graph |       | Pass    |
|                 |             | 2199.8          | HCH     | SISO    | 1   | Refer To Test Graph |       | Pass    |
| AWGN<br>5MHz    | -0.3        | 2112.5          | LCH     | SISO    | 1   | Refer To Test Graph |       | Pass    |
|                 |             | 2155            | MCH     | SISO    | 1   | Refer To Test Graph |       | Pass    |
|                 |             | 2197.5          | HCH     | SISO    | 1   | Refer To Test Graph |       | Pass    |
| AWGN<br>100MHz  | -0.3        | 2160            | LCH     | SISO    | 1   | Refer To Test Graph |       | Pass    |
|                 |             | 2155            | MCH     | SISO    | 1   | Refer To Test Graph |       | Pass    |
|                 |             | 2150            | HCH     | SISO    | 1   | Refer To Test Graph |       | Pass    |

## 6.2 Test Graph

### 6.2.1 Band66

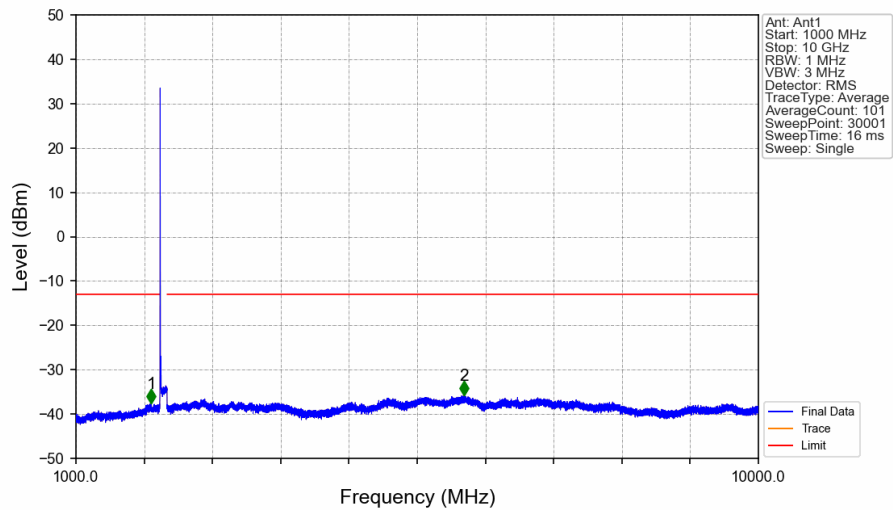


Band66 2110.2MHz GMSK SISO Ant1 NTN



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 30          | 1000       | 1         | CHP    | 1          | 876.500    | -40.56      | -13         | Pass   |

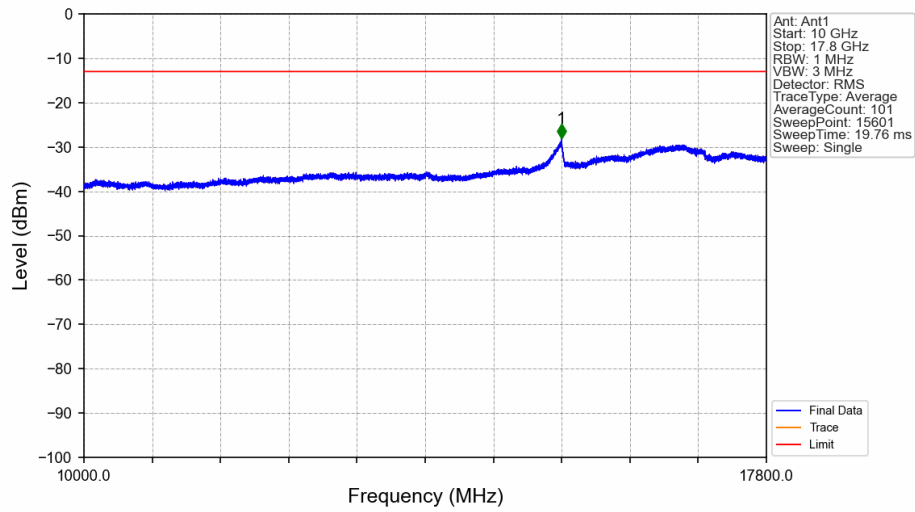
Band66 2110.2MHz GMSK SISO Ant1 NTN



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1000        | 2106       | 1         | /      | 1          | 1994.500   | -37.60      | -13         | Pass   |
| 2106        | 2206       | 1         | /      | /          | /          | /           | /           | /      |
| 2206        | 10000      | 1         | /      | 2          | 6120.700   | -35.79      | -13         | Pass   |

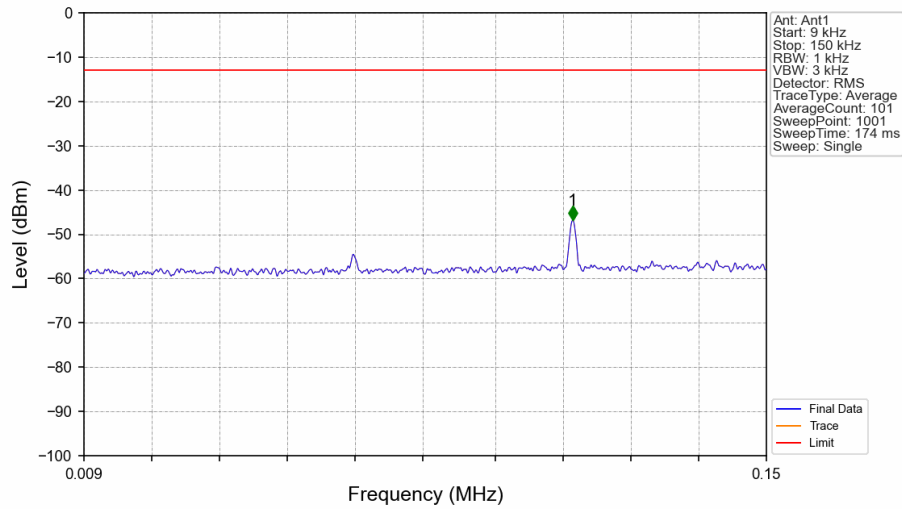


### Band66\_2110.2MHz\_GMSK\_SISO\_Ant1\_NTNV



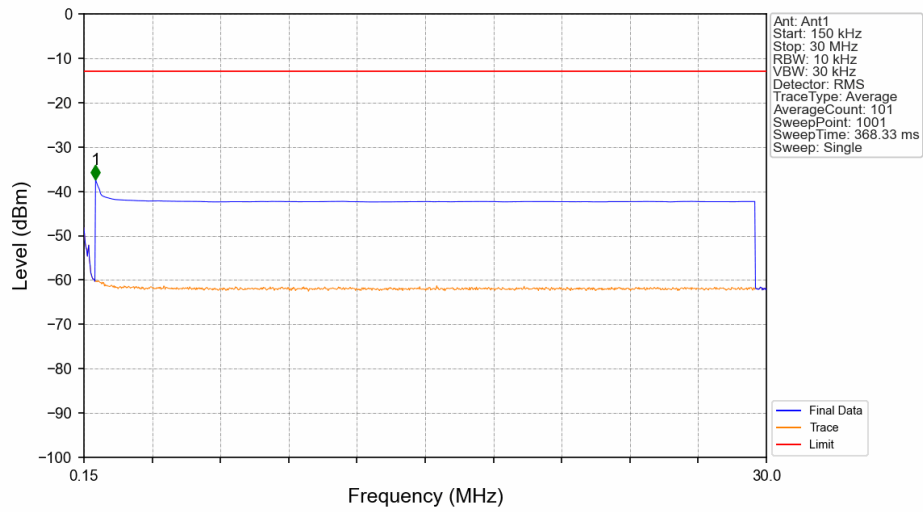
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 10000       | 17800      | 1         | /      | 1          | 15458.000  | -28.01      | -13         | Pass   |

### Band66\_2155MHz\_GMSK\_SISO\_Ant1\_NTNV



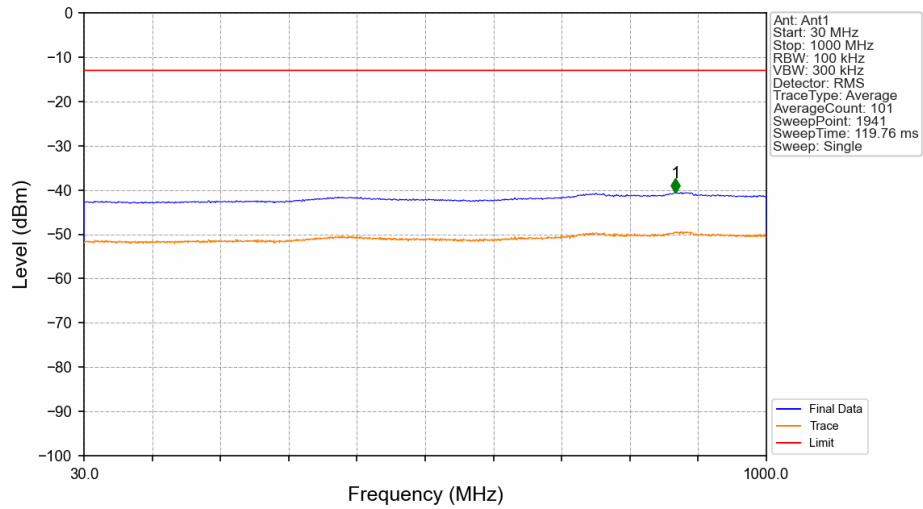
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 0.009       | 0.15       | 1         | /      | 1          | 0.110      | -46.81      | -13         | Pass   |

Band66\_2155MHz\_GMSK\_SISO\_Ant1\_NTNV



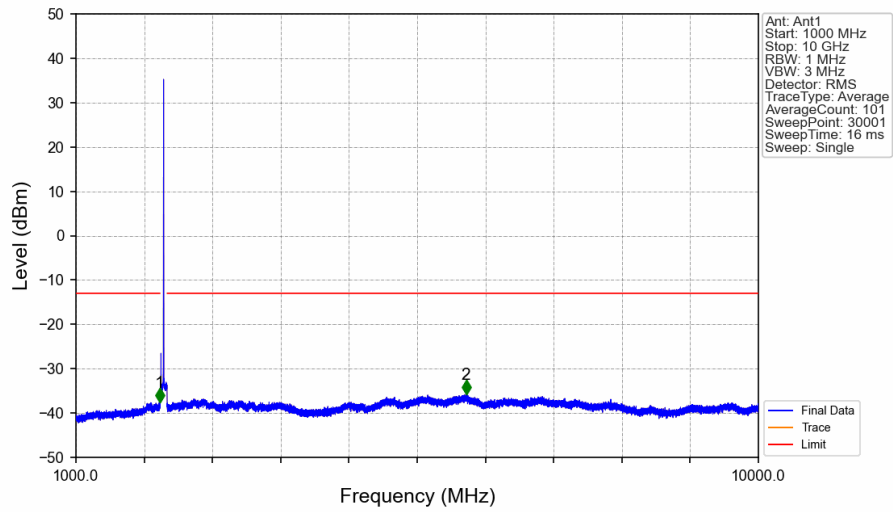
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 0.15        | 30         | 1         | CHP    | 1          | 0.657      | -37.21      | -13         | Pass   |

Band66\_2155MHz\_GMSK\_SISO\_Ant1\_NTNV



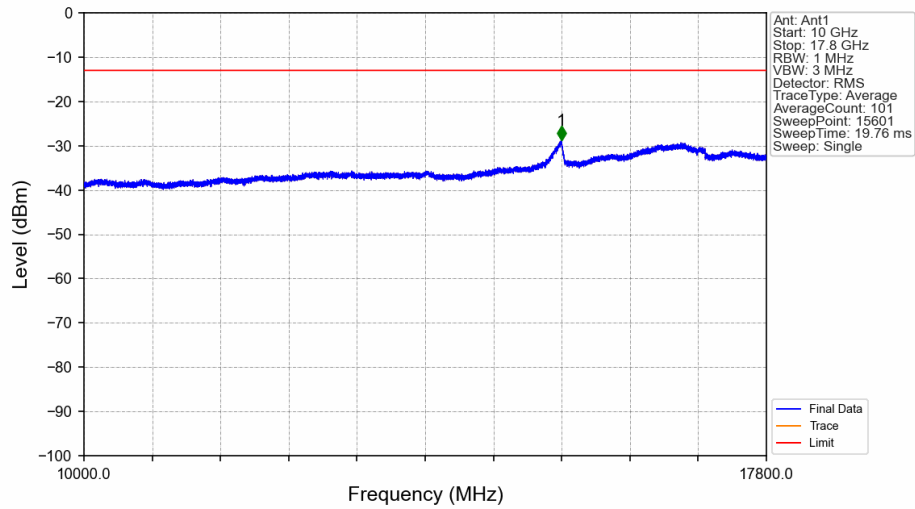
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 30          | 1000       | 1         | CHP    | 1          | 871.000    | -40.56      | -13         | Pass   |

Band66\_2155MHz\_GMSK\_SISO\_Ant1\_NTNV



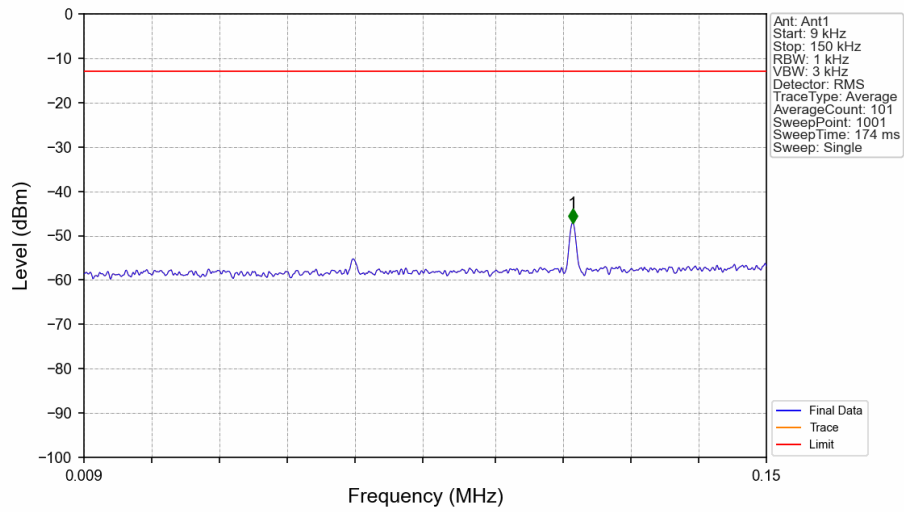
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1000        | 2106       | 1         | /      | 1          | 2103.700   | -37.55      | -13         | Pass   |
| 2106        | 2206       | 1         | /      | /          | /          | /           | /           | /      |
| 2206        | 10000      | 1         | /      | 2          | 6145.600   | -35.71      | -13         | Pass   |

Band66\_2155MHz\_GMSK\_SISO\_Ant1\_NTNV

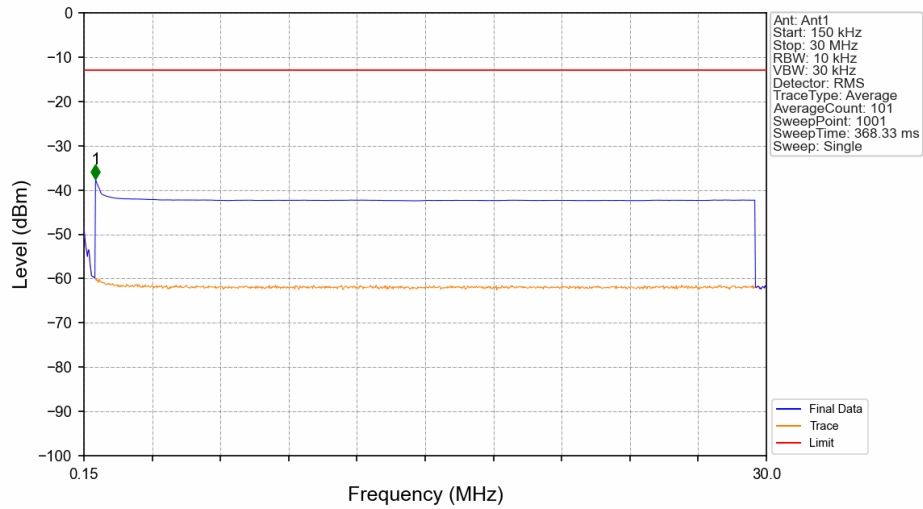


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 10000       | 17800      | 1         | /      | 1          | 15454.000  | -28.68      | -13         | Pass   |

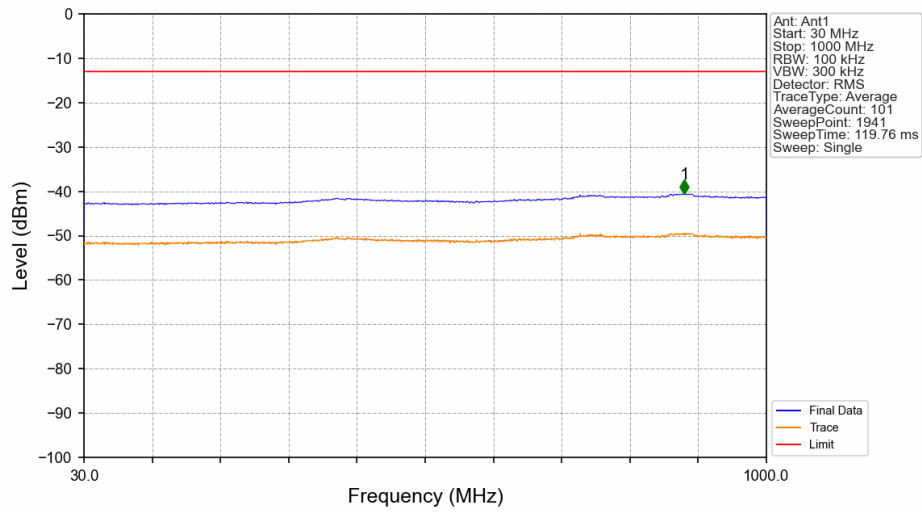
Band66\_2199.8MHz\_GMSK\_SISO\_Ant1\_NTNV



Band66\_2199.8MHz\_GMSK\_SISO\_Ant1\_NTNV

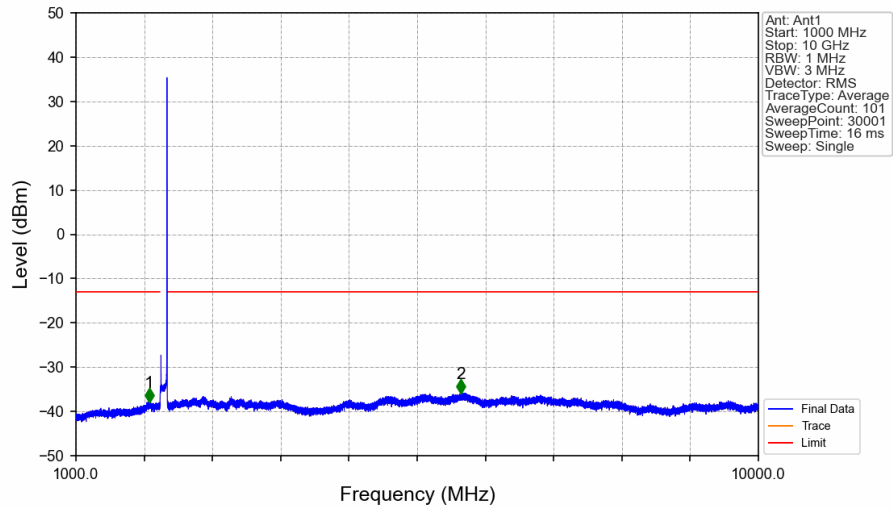


### Band66\_2199.8MHz\_GMSK\_SISO\_Ant1\_NTNV



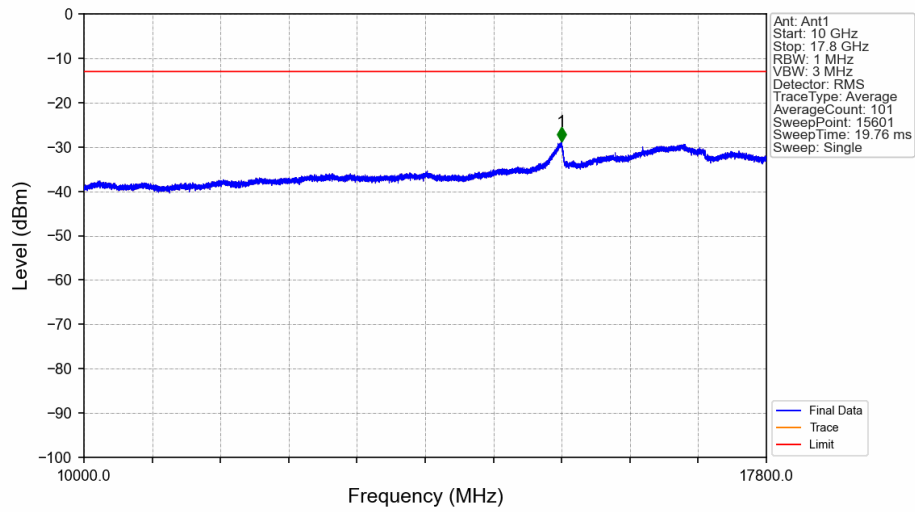
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 30          | 1000       | 1         | CHP    | 1          | 883.500    | -40.61      | -13         | Pass   |

### Band66\_2199.8MHz\_GMSK\_SISO\_Ant1\_NTNV



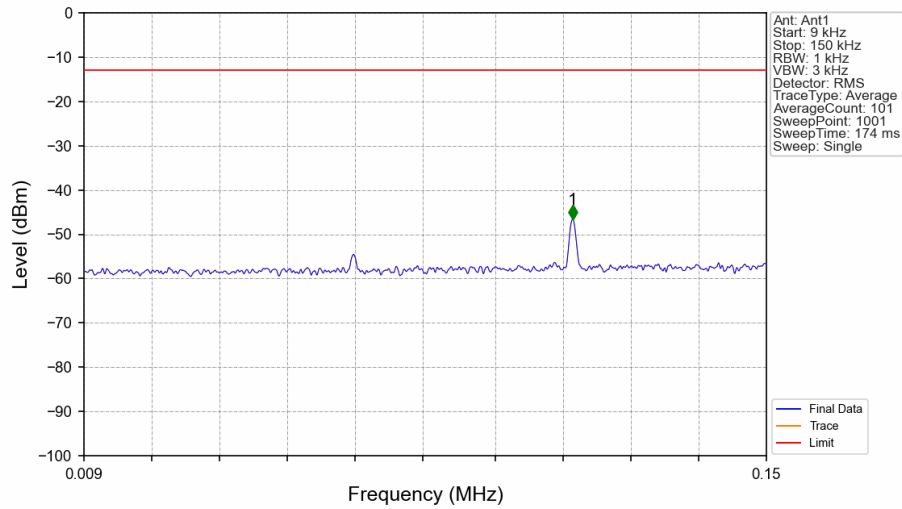
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1000        | 2106       | 1         | /      | 1          | 1966.300   | -37.85      | -13         | Pass   |
| 2106        | 2206       | 1         | /      | /          | /          | /           | /           | /      |
| 2206        | 10000      | 1         | /      | 2          | 6079.000   | -35.84      | -13         | Pass   |

### Band66\_2199.8MHz\_GMSK\_SISO\_Ant1\_NTNV



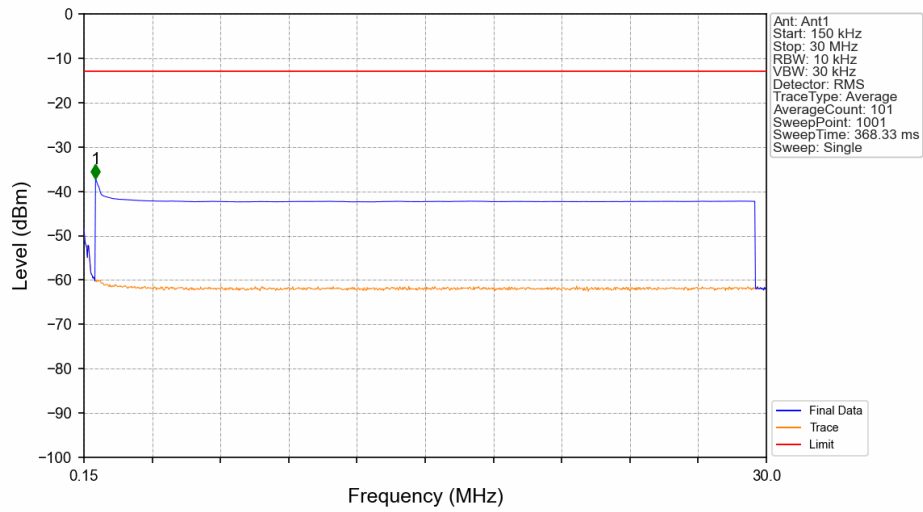
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 10000       | 17800      | 1         | /      | 1          | 15457.500  | -28.77      | -13         | Pass   |

### Band66\_2112.5MHz\_AWGN\_SISO\_Ant1\_NTNV



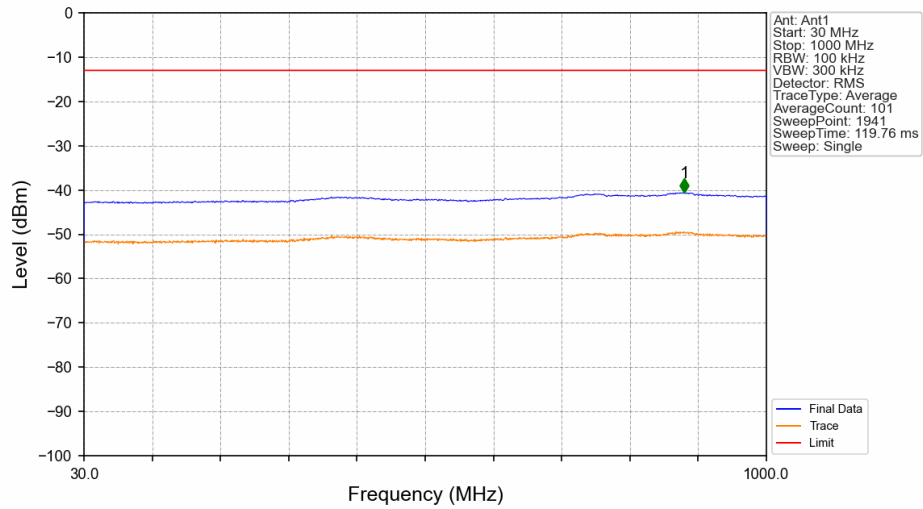
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 0.009       | 0.15       | 1         | /      | 1          | 0.110      | -46.58      | -13         | Pass   |

Band66\_2112.5MHz\_AWGN\_SISO\_Ant1\_NTNV



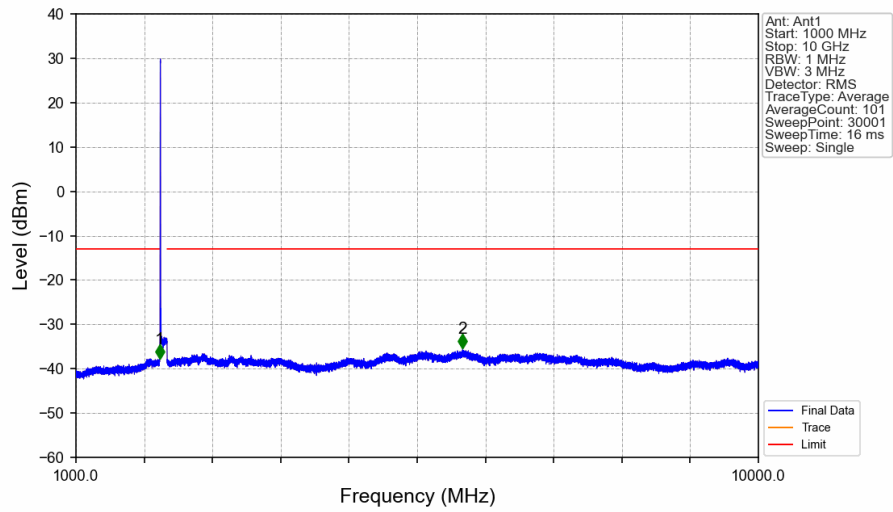
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 0.15        | 30         | 1         | CHP    | 1          | 0.657      | -37.02      | -13         | Pass   |

Band66\_2112.5MHz\_AWGN\_SISO\_Ant1\_NTNV



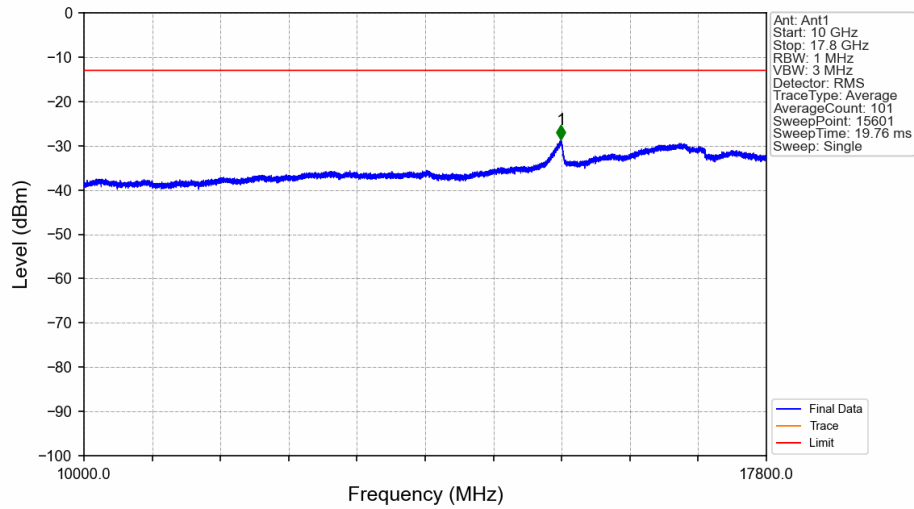
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 30          | 1000       | 1         | CHP    | 1          | 883.500    | -40.56      | -13         | Pass   |

## Band66\_2112.5MHz\_AWGN\_SISO\_Ant1\_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1000        | 2106       | 1         | /      | 1          | 2103.700   | -37.68      | -13         | Pass   |
| 2106        | 2206       | 1         | /      | /          | /          | /           | /           | /      |
| 2206        | 10000      | 1         | /      | 2          | 6100.600   | -35.42      | -13         | Pass   |

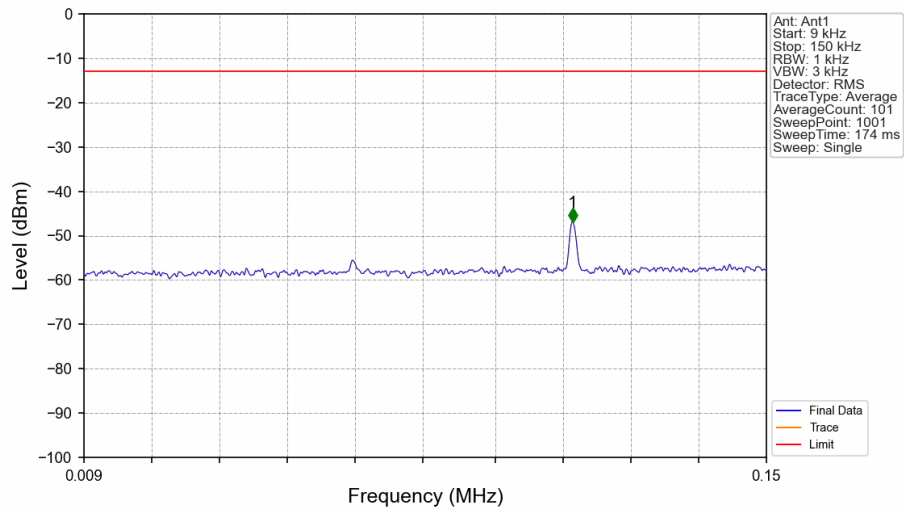
## Band66\_2112.5MHz\_AWGN\_SISO\_Ant1\_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 10000       | 17800      | 1         | /      | 1          | 15451.500  | -28.55      | -13         | Pass   |

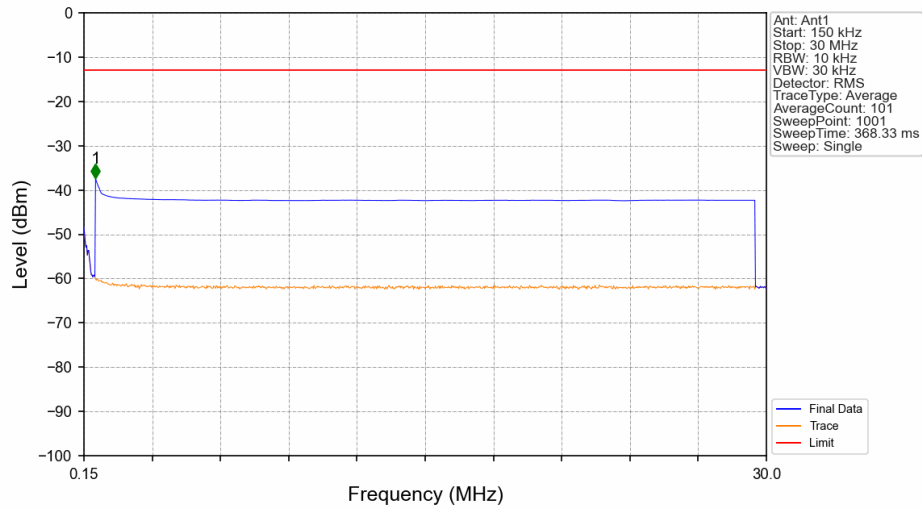


Band66\_2155MHz\_AWGN\_SISO\_Ant1\_NTNV



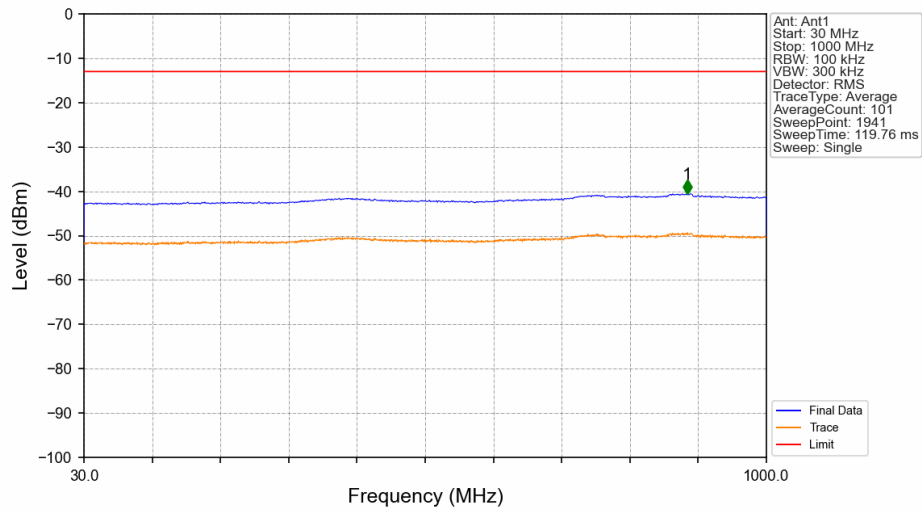
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 0.009       | 0.15       | 1         | /      | 1          | 0.110      | -46.89      | -13         | Pass   |

Band66\_2155MHz\_AWGN\_SISO\_Ant1\_NTNV



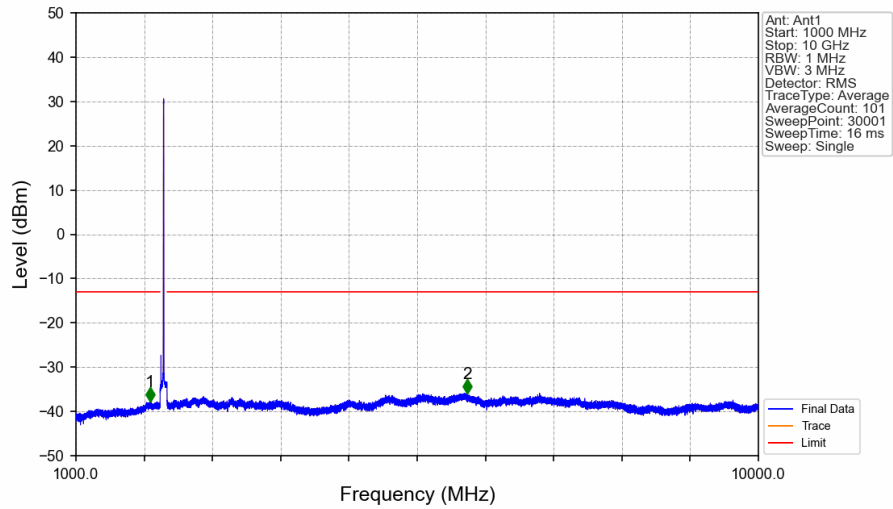
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 0.15        | 30         | 1         | CHP    | 1          | 0.657      | -37.33      | -13         | Pass   |

### Band66\_2155MHz\_AWGN\_SISO\_Ant1\_NTNV



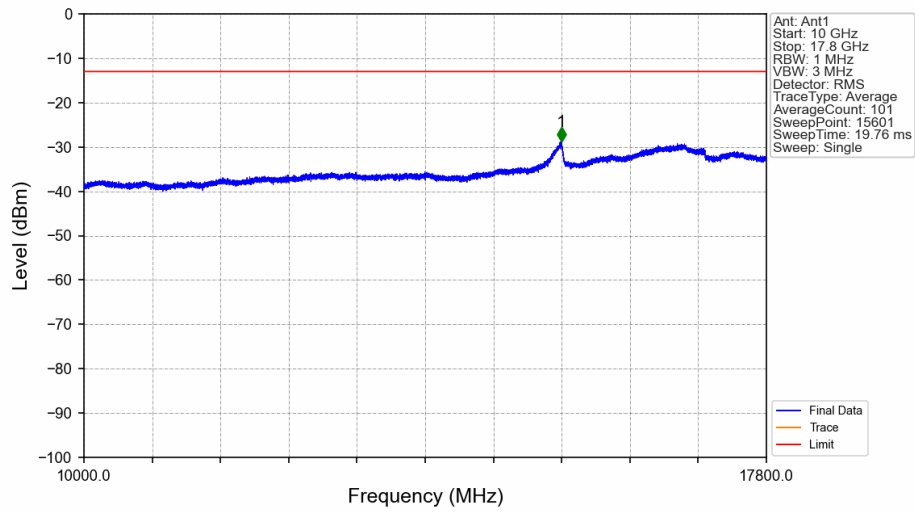
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 30          | 1000       | 1         | CHP    | 1          | 887.500    | -40.56      | -13         | Pass   |

### Band66\_2155MHz\_AWGN\_SISO\_Ant1\_NTNV



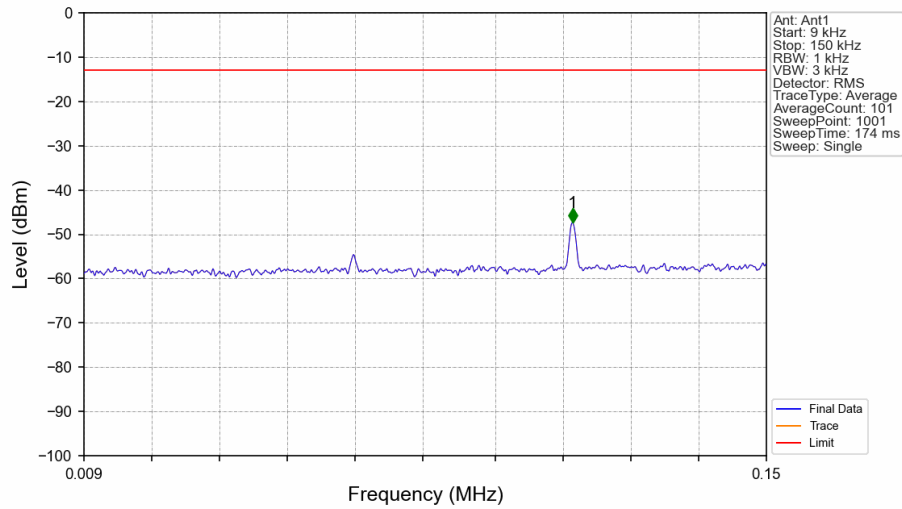
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1000        | 2106       | 1         | /      | 1          | 1976.500   | -37.81      | -13         | Pass   |
| 2106        | 2206       | 1         | /      | /          | /          | /           | /           | /      |
| 2206        | 10000      | 1         | /      | 2          | 6156.400   | -35.90      | -13         | Pass   |

Band66\_2155MHz\_AWGN\_SISO\_Ant1\_NTNV



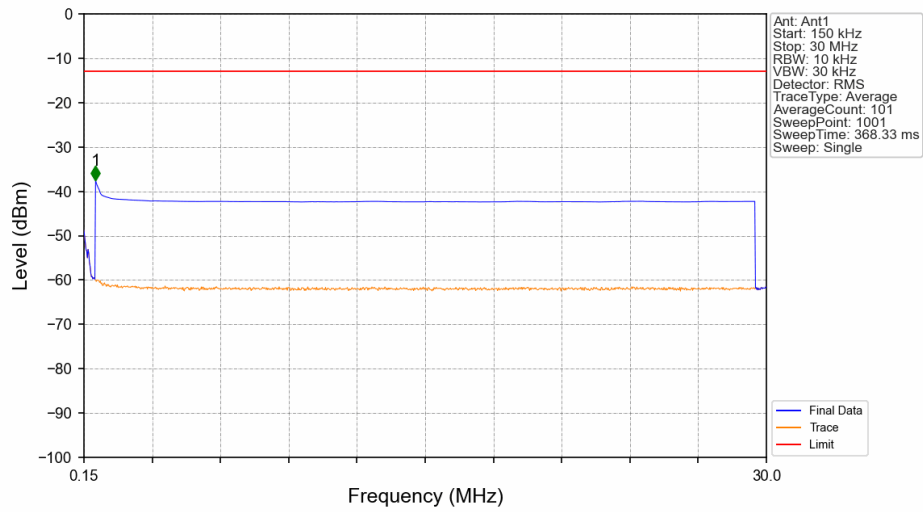
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 10000       | 17800      | 1         | /      | 1          | 15457.500  | -28.75      | -13         | Pass   |

Band66\_2197.5MHz\_AWGN\_SISO\_Ant1\_NTNV

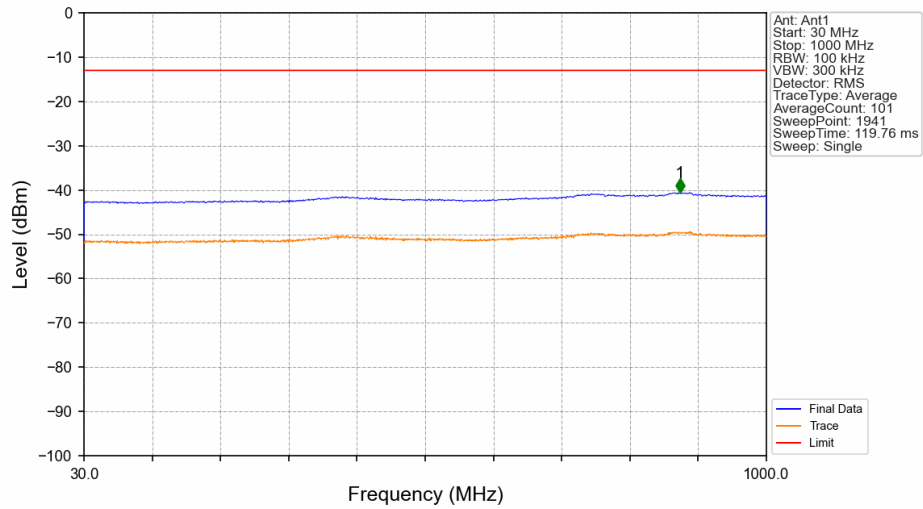


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 0.009       | 0.15       | 1         | /      | 1          | 0.110      | -47.38      | -13         | Pass   |

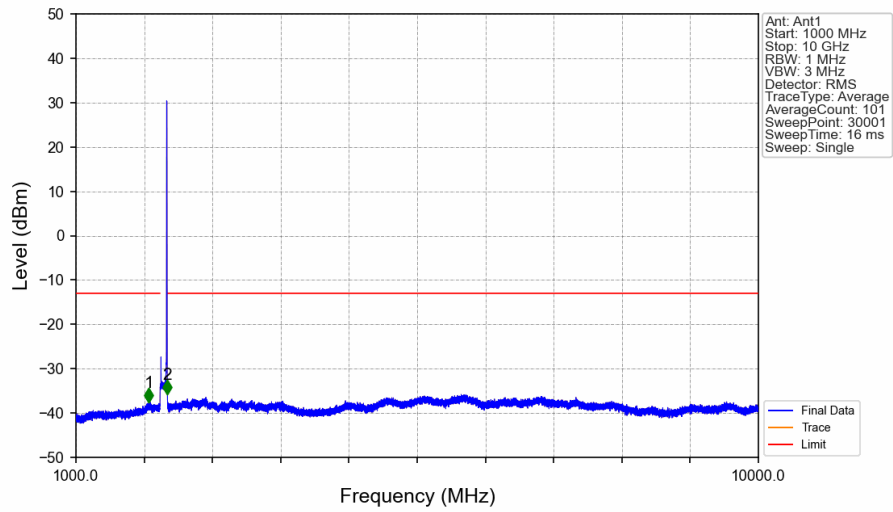
Band66\_2197.5MHz\_AWGN\_SISO\_Ant1\_NTNV



Band66\_2197.5MHz\_AWGN\_SISO\_Ant1\_NTNV

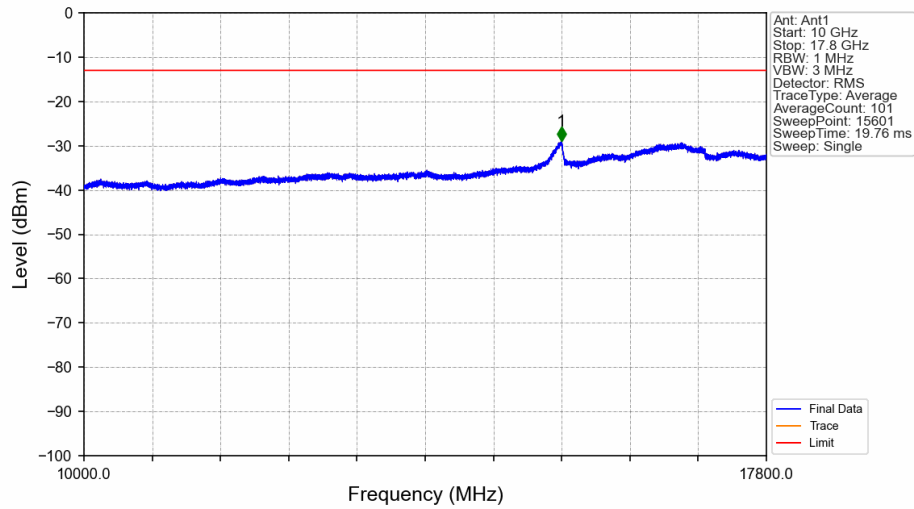


Band66\_2197.5MHz\_AWGN\_SISO\_Ant1\_NTNV



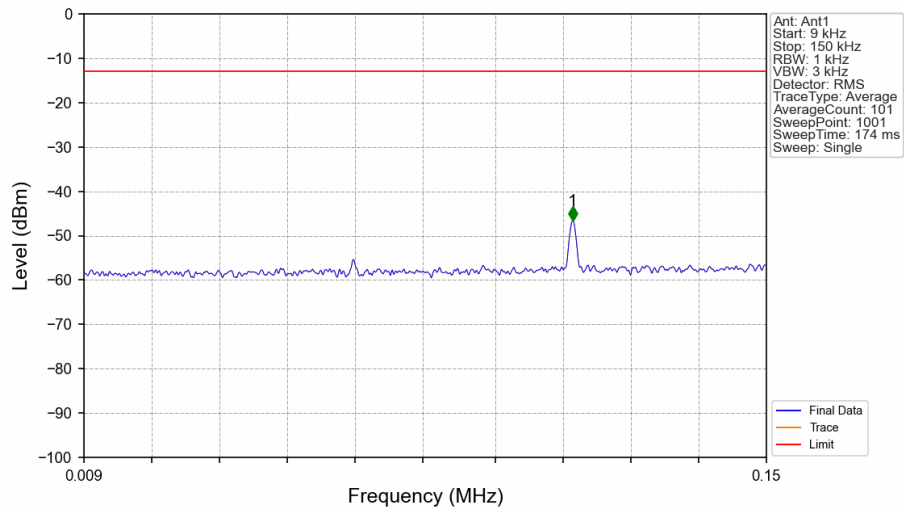
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1000        | 2106       | 1         | /      | 1          | 1961.800   | -37.58      | -13         | Pass   |
| 2106        | 2206       | 1         | /      | /          | /          | /           | /           | /      |
| 2206        | 10000      | 1         | /      | 2          | 2206.300   | -35.74      | -13         | Pass   |

Band66\_2197.5MHz\_AWGN\_SISO\_Ant1\_NTNV

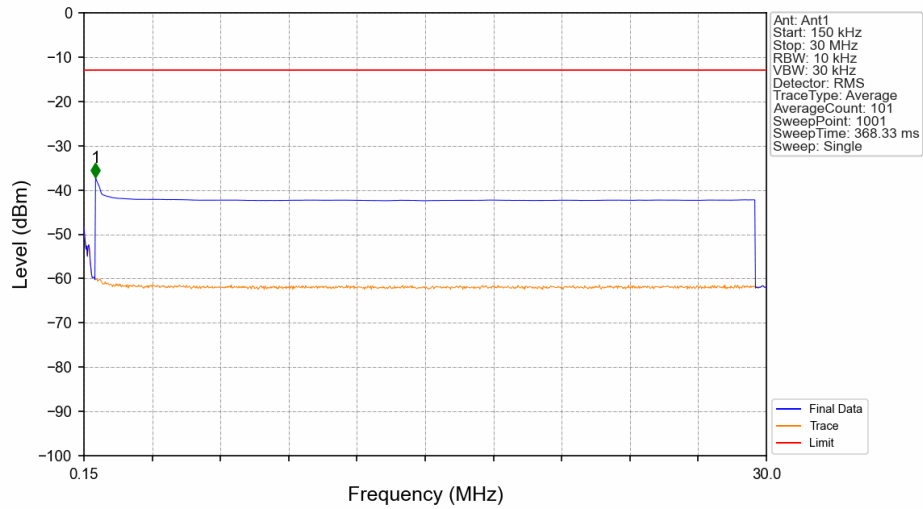


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 10000       | 17800      | 1         | /      | 1          | 15455.500  | -28.98      | -13         | Pass   |

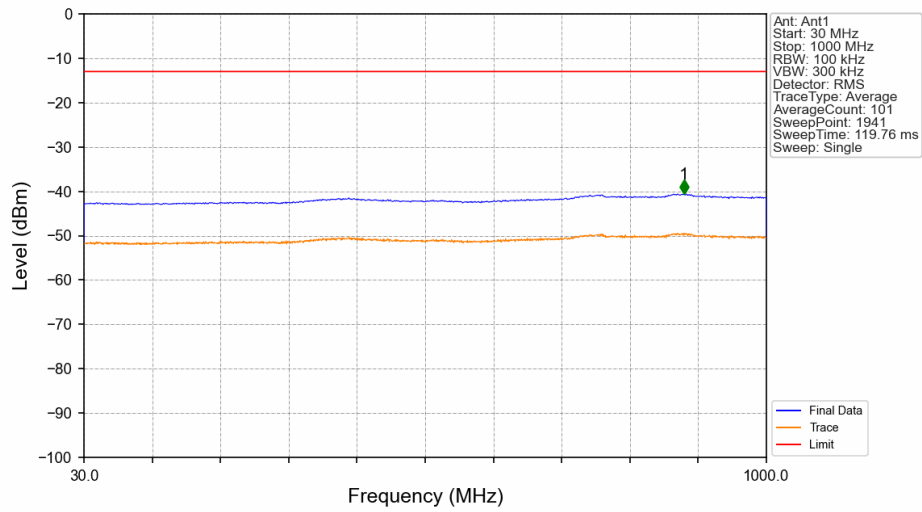
Band66\_2160MHz\_Broad100MHz\_SISO\_Ant1\_NTNV



Band66\_2160MHz\_Broad100MHz\_SISO\_Ant1\_NTNV

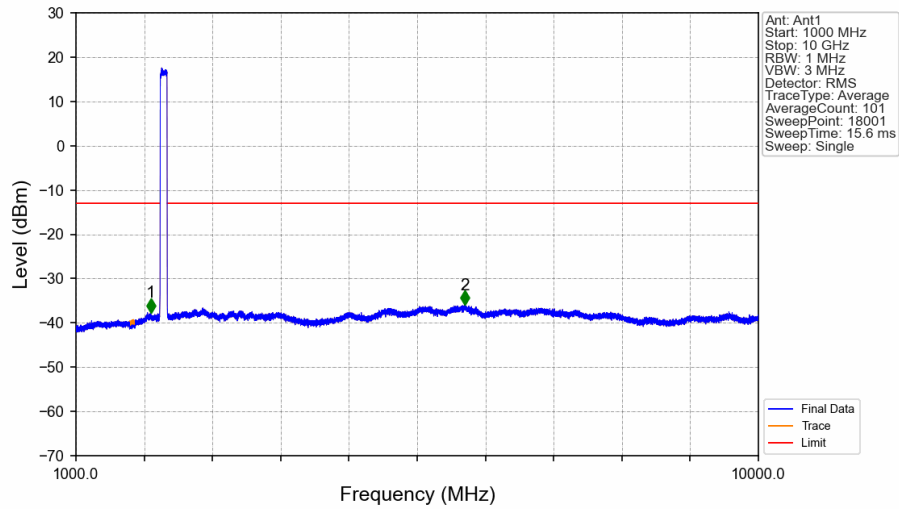


Band66\_2160MHz\_Broad100MHz\_SISO\_Ant1\_NTNV



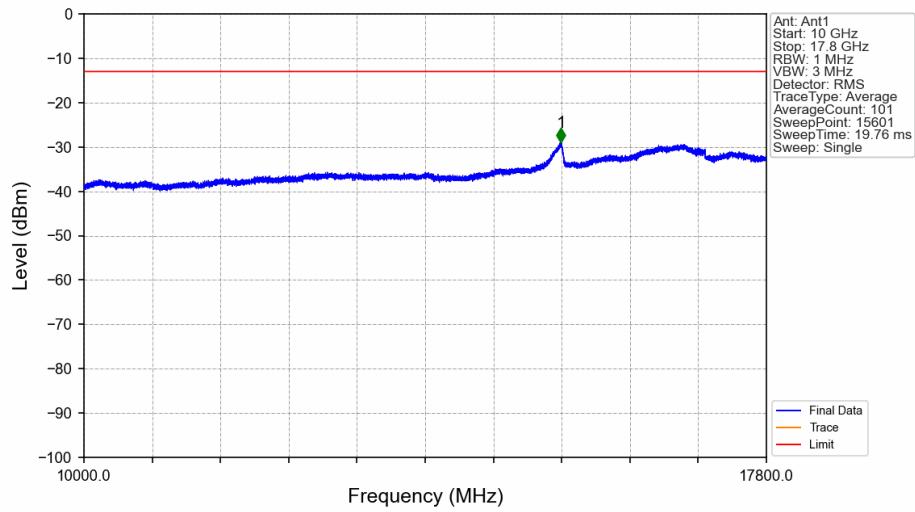
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 30          | 1000       | 1         | CHP    | 1          | 883.000    | -40.60      | -13         | Pass   |

Band66\_2160MHz\_Broad100MHz\_SISO\_Ant1\_NTNV

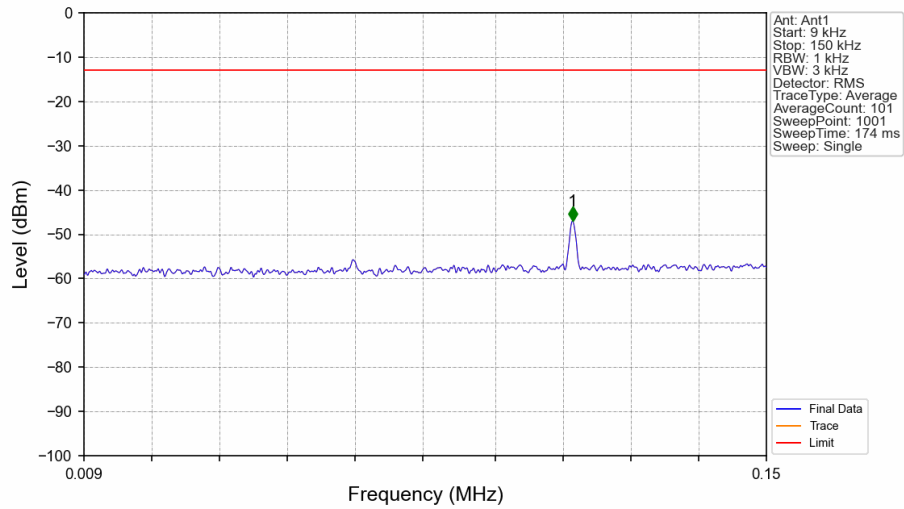


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1000        | 2106       | 1         | /      | 1          | 1986.000   | -37.62      | -13         | Pass   |
| 2106        | 2206       | 1         | /      | /          | /          | /           | /           | /      |
| 2206        | 10000      | 1         | /      | 2          | 6128.000   | -35.96      | -13         | Pass   |

Band66\_2160MHz\_Broad100MHz\_SISO\_Ant1\_NTNV

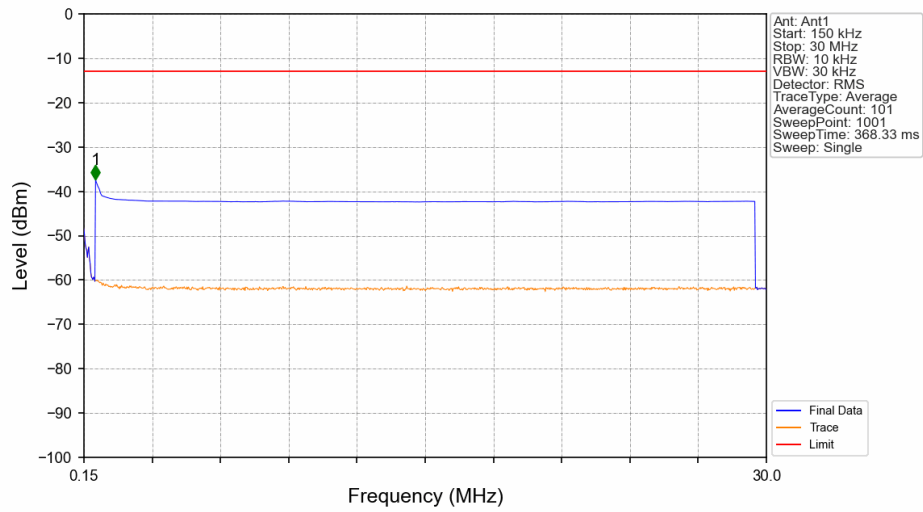


Band66\_2155MHz\_Broad100MHz\_SISO\_Ant1\_NTNV

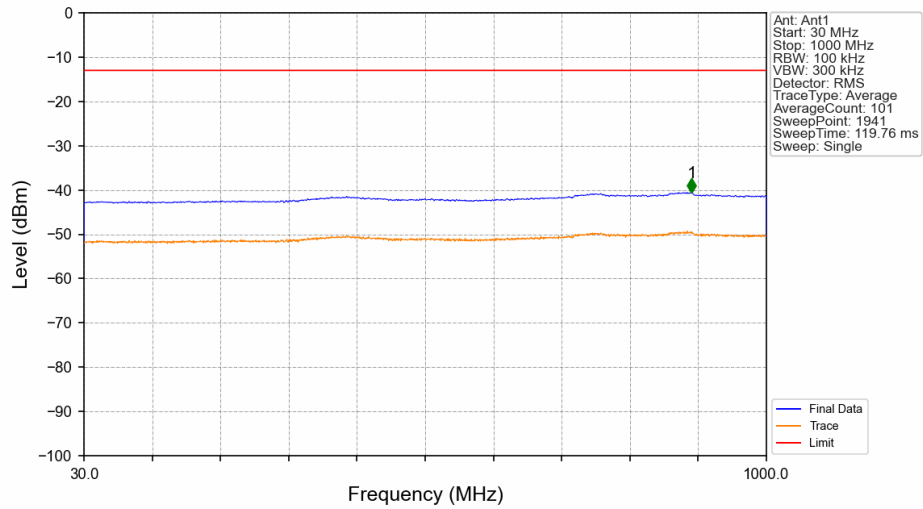




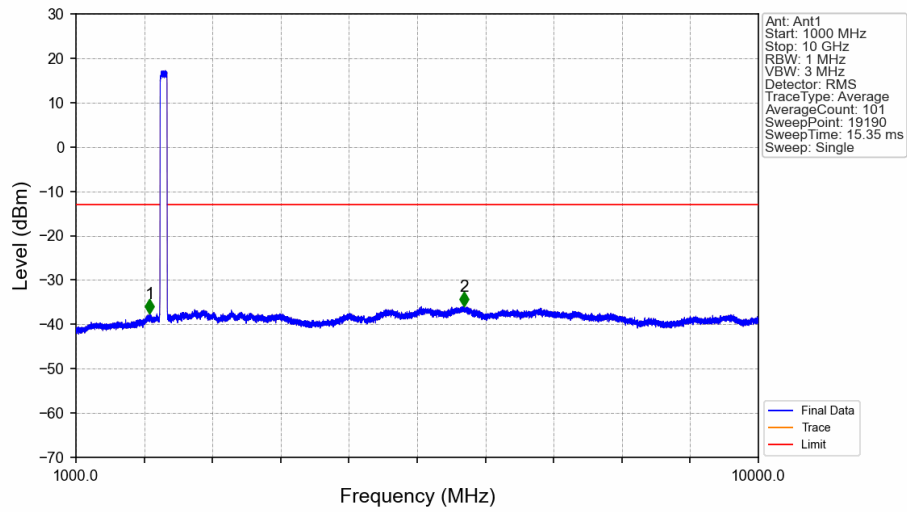
Band66\_2155MHz\_Broad100MHz\_SISO\_Ant1\_NTNV



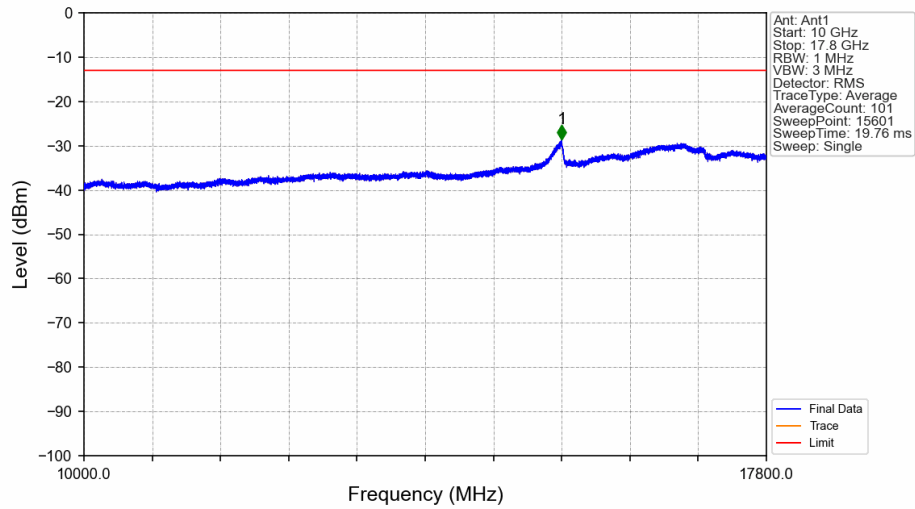
Band66\_2155MHz\_Broad100MHz\_SISO\_Ant1\_NTNV



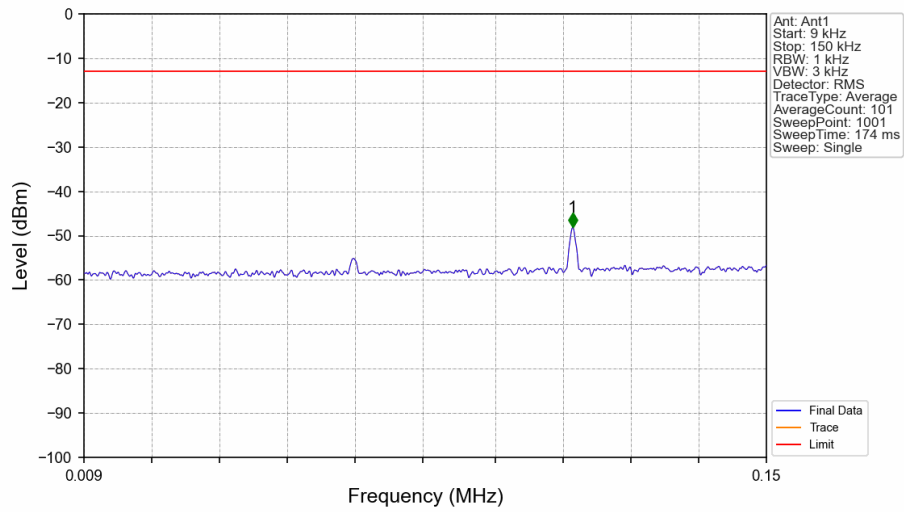
Band66\_2155MHz\_Broad100MHz\_SISO\_Ant1\_NTNV



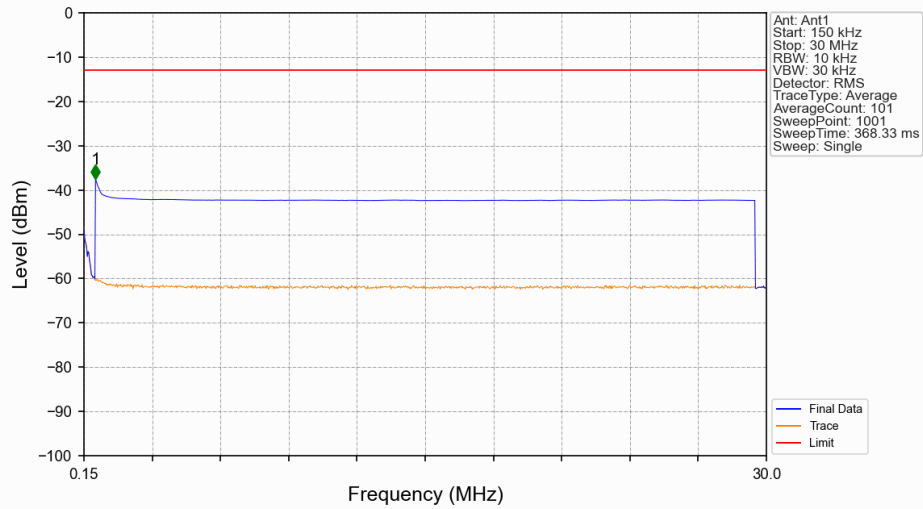
Band66\_2155MHz\_Broad100MHz\_SISO\_Ant1\_NTNV



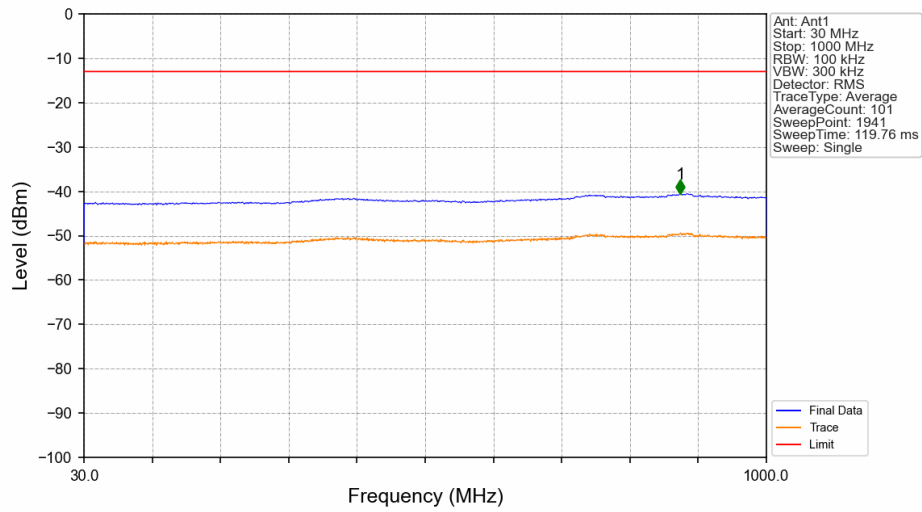
Band66\_2150MHz\_Broad100MHz\_SISO\_Ant1\_NTNV



Band66\_2150MHz\_Broad100MHz\_SISO\_Ant1\_NTNV

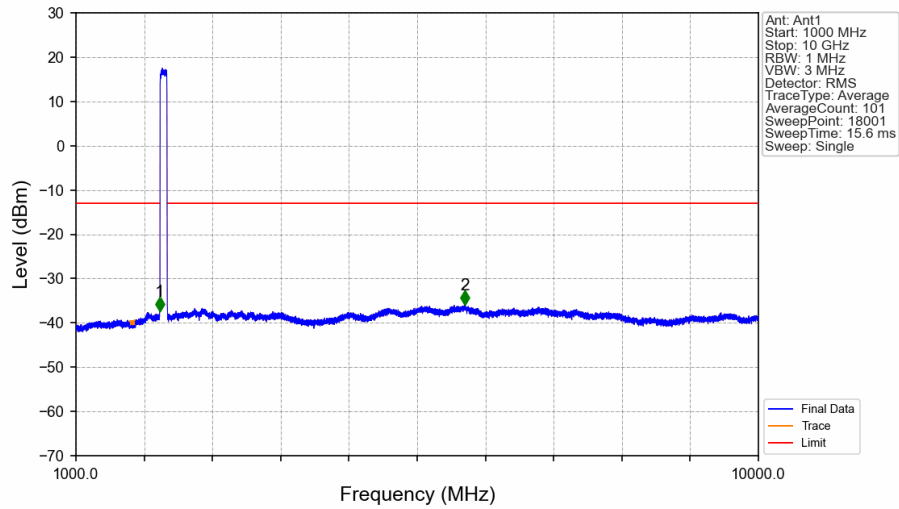


Band66\_2150MHz\_Broad100MHz\_SISO\_Ant1\_NTNV



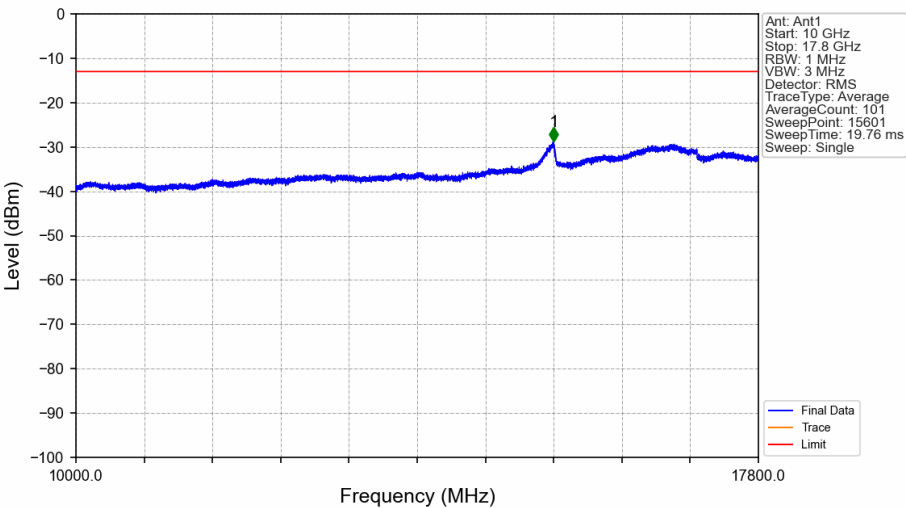
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 30          | 1000       | 1         | CHP    | 1          | 877.500    | -40.49      | -13         | Pass   |

Band66\_2150MHz\_Broad100MHz\_SISO\_Ant1\_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1000        | 2106       | 1         | /      | 1          | 2103.000   | -37.30      | -13         | Pass   |
| 2106        | 2206       | 1         | /      | /          | /          | /           | /           | /      |
| 2206        | 10000      | 1         | /      | 2          | 6125.500   | -35.96      | -13         | Pass   |

Band66\_2150MHz\_Broad100MHz\_SISO\_Ant1\_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 10000       | 17800      | 1         | /      | 1          | 15459.000  | -28.80      | -13         | Pass   |

## 7. Frequency stability measurements

### 7.1 Test Result

#### 7.1.1 Band66\_Ant1

| Band: 66 / NTNV |             |                 |              |                  |                     |                    |         |
|-----------------|-------------|-----------------|--------------|------------------|---------------------|--------------------|---------|
| Signal          |             |                 | Temp<br>(°C) | Voltage<br>(VAC) | Freq. Error<br>(Hz) | Tolerance<br>(ppm) | Verdict |
| Type            | Level (dBm) | Frequency (MHz) |              |                  |                     |                    |         |
| CW              | -0.3        | 2110.1          | 20           | 102              | 13                  | 0.0062             | Pass    |
|                 |             |                 |              | 120              | 10                  | 0.0047             | Pass    |
|                 |             |                 |              | 138              | 8                   | 0.0038             | Pass    |
|                 |             |                 | -40          | 120              | 9                   | 0.0043             | Pass    |
|                 |             |                 | -30          | 120              | 11                  | 0.0052             | Pass    |
|                 |             |                 | -20          | 120              | 13                  | 0.0062             | Pass    |
|                 |             |                 | -10          | 120              | 12                  | 0.0057             | Pass    |
|                 |             |                 | 0            | 120              | 8                   | 0.0038             | Pass    |
|                 |             |                 | 10           | 120              | 7                   | 0.0033             | Pass    |
|                 |             |                 | 30           | 120              | 11                  | 0.0052             | Pass    |
|                 |             |                 | 40           | 120              | 9                   | 0.0043             | Pass    |
|                 |             |                 | 50           | 120              | 9                   | 0.0043             | Pass    |
|                 |             |                 | 55           | 120              | 14                  | 0.0066             | Pass    |
|                 |             | 2155            | 20           | 102              | 9                   | 0.0042             | Pass    |
|                 |             |                 |              | 120              | 8                   | 0.0037             | Pass    |
|                 |             |                 |              | 138              | 11                  | 0.0051             | Pass    |
|                 |             |                 | -40          | 120              | 12                  | 0.0056             | Pass    |
|                 |             |                 | -30          | 120              | 12                  | 0.0056             | Pass    |
|                 |             |                 | -20          | 120              | 11                  | 0.0051             | Pass    |
|                 |             |                 | -10          | 120              | 10                  | 0.0046             | Pass    |
|                 |             |                 | 0            | 120              | 8                   | 0.0037             | Pass    |
|                 |             |                 | 10           | 120              | 9                   | 0.0042             | Pass    |
|                 |             |                 | 30           | 120              | 8                   | 0.0037             | Pass    |
|                 |             |                 | 40           | 120              | 11                  | 0.0051             | Pass    |
|                 |             |                 | 50           | 120              | 12                  | 0.0056             | Pass    |
|                 |             |                 | 55           | 120              | 12                  | 0.0056             | Pass    |
|                 |             | 2199.9          | 20           | 102              | 11                  | 0.0050             | Pass    |
|                 |             |                 |              | 120              | 12                  | 0.0055             | Pass    |
|                 |             |                 |              | 138              | 10                  | 0.0045             | Pass    |
|                 |             |                 | -40          | 120              | 9                   | 0.0041             | Pass    |
|                 |             |                 | -30          | 120              | 8                   | 0.0036             | Pass    |
|                 |             |                 | -20          | 120              | 11                  | 0.0050             | Pass    |
|                 |             |                 | -10          | 120              | 11                  | 0.0050             | Pass    |
|                 |             |                 | 0            | 120              | 12                  | 0.0055             | Pass    |
|                 |             |                 | 10           | 120              | 11                  | 0.0050             | Pass    |
|                 |             |                 | 30           | 120              | 13                  | 0.0059             | Pass    |
|                 |             |                 | 40           | 120              | 12                  | 0.0055             | Pass    |
|                 |             |                 | 50           | 120              | 9                   | 0.0041             | Pass    |
|                 |             |                 | 55           | 120              | 8                   | 0.0036             | Pass    |

## 8. Radiated Spurious Emissions

### 8.1 Band66\_Ant1

#### 8.1.1 Test Result

| GMSK 2110.02MHz |                                          |        |       |            |         |
|-----------------|------------------------------------------|--------|-------|------------|---------|
| Frequency       | Spurious Emission Polarization and Level |        | Limit | Over Limit | Verdict |
| MHz             | Polarization                             | dBm    | dBm   | dB         |         |
| 118.314         | Horizontal                               | -63.25 | -13   | -50.25     | Pass    |
| 376.072         | Horizontal                               | -67.56 | -13   | -54.56     | Pass    |
| 791.885         | Horizontal                               | -65.18 | -13   | -52.18     | Pass    |
| 2585.600        | Horizontal                               | -64.60 | -13   | -51.60     | Pass    |
| 4139.500        | Horizontal                               | -60.34 | -13   | -47.34     | Pass    |
| 5827.170        | Horizontal                               | -66.23 | -13   | -53.23     | Pass    |
| 103.134         | Vertical                                 | -65.83 | -13   | -52.83     | Pass    |
| 386.292         | Vertical                                 | -69.00 | -13   | -56.00     | Pass    |
| 813.085         | Vertical                                 | -66.42 | -13   | -53.42     | Pass    |
| 2073.600        | Vertical                                 | -61.52 | -13   | -48.52     | Pass    |
| 4275.300        | Vertical                                 | -65.01 | -13   | -52.01     | Pass    |
| 6182.910        | Vertical                                 | -64.26 | -13   | -51.26     | Pass    |

| GMSK 2155MHz |                                          |        |       |            |         |
|--------------|------------------------------------------|--------|-------|------------|---------|
| Frequency    | Spurious Emission Polarization and Level |        | Limit | Over Limit | Verdict |
| MHz          | Polarization                             | dBm    | dBm   | dB         |         |
| 86.014       | Horizontal                               | -61.98 | -13   | -48.98     | Pass    |
| 362.762      | Horizontal                               | -67.27 | -13   | -54.27     | Pass    |
| 780.705      | Horizontal                               | -65.96 | -13   | -52.96     | Pass    |
| 1930.000     | Horizontal                               | -66.44 | -13   | -53.44     | Pass    |
| 3994.000     | Horizontal                               | -65.62 | -13   | -52.62     | Pass    |
| 7070.110     | Horizontal                               | -69.54 | -13   | -56.54     | Pass    |
| 89.584       | Vertical                                 | -61.66 | -13   | -48.66     | Pass    |
| 405.402      | Vertical                                 | -71.28 | -13   | -58.28     | Pass    |
| 784.795      | Vertical                                 | -70.57 | -13   | -57.57     | Pass    |
| 2450.300     | Vertical                                 | -67.82 | -13   | -54.82     | Pass    |
| 3930.300     | Vertical                                 | -61.69 | -13   | -48.69     | Pass    |
| 7079.940     | Vertical                                 | -64.92 | -13   | -51.92     | Pass    |

| GMSK 2199.8MHz |                                          |        |       |            |         |
|----------------|------------------------------------------|--------|-------|------------|---------|
| Frequency      | Spurious Emission Polarization and Level |        | Limit | Over Limit | Verdict |
| MHz            | Polarization                             | dBm    | dBm   | dB         |         |
| 112.974        | Horizontal                               | -63.73 | -13   | -50.73     | Pass    |
| 387.302        | Horizontal                               | -65.64 | -13   | -52.64     | Pass    |
| 805.335        | Horizontal                               | -63.53 | -13   | -50.53     | Pass    |
| 2507.500       | Horizontal                               | -67.15 | -13   | -54.15     | Pass    |
| 4039.300       | Horizontal                               | -61.05 | -13   | -48.05     | Pass    |
| 7211.480       | Horizontal                               | -69.48 | -13   | -56.48     | Pass    |
| 124.394        | Vertical                                 | -68.52 | -13   | -55.52     | Pass    |
| 381.262        | Vertical                                 | -71.50 | -13   | -58.50     | Pass    |
| 786.145        | Vertical                                 | -63.77 | -13   | -50.77     | Pass    |
| 2188.300       | Vertical                                 | -63.30 | -13   | -50.30     | Pass    |
| 4273.800       | Vertical                                 | -60.14 | -13   | -47.14     | Pass    |
| 6652.380       | Vertical                                 | -63.13 | -13   | -50.13     | Pass    |

| AWGN 2112.5MHz |                                          |        |       |            |         |
|----------------|------------------------------------------|--------|-------|------------|---------|
| Frequency      | Spurious Emission Polarization and Level |        | Limit | Over Limit | Verdict |
| MHz            | Polarization                             | dBm    | dBm   | dB         |         |
| 116.414        | Horizontal                               | -64.67 | -13   | -51.67     | Pass    |
| 409.562        | Horizontal                               | -67.35 | -13   | -54.35     | Pass    |
| 822.355        | Horizontal                               | -67.86 | -13   | -54.86     | Pass    |
| 2176.900       | Horizontal                               | -62.77 | -13   | -49.77     | Pass    |
| 4082.600       | Horizontal                               | -65.91 | -13   | -52.91     | Pass    |
| 5348.620       | Horizontal                               | -63.37 | -13   | -50.37     | Pass    |
| 88.214         | Vertical                                 | -62.90 | -13   | -49.90     | Pass    |
| 388.722        | Vertical                                 | -66.25 | -13   | -53.25     | Pass    |
| 812.175        | Vertical                                 | -69.17 | -13   | -56.17     | Pass    |
| 2043.800       | Vertical                                 | -61.02 | -13   | -48.02     | Pass    |
| 3857.700       | Vertical                                 | -64.59 | -13   | -51.59     | Pass    |
| 6304.250       | Vertical                                 | -69.41 | -13   | -56.41     | Pass    |



| AWGN 2115MHz |                                          |        |       |            |         |
|--------------|------------------------------------------|--------|-------|------------|---------|
| Frequency    | Spurious Emission Polarization and Level |        | Limit | Over Limit | Verdict |
| MHz          | Polarization                             | dBm    | dBm   | dB         |         |
| 78.304       | Horizontal                               | -67.47 | -13   | -54.47     | Pass    |
| 365.972      | Horizontal                               | -67.75 | -13   | -54.75     | Pass    |
| 776.545      | Horizontal                               | -70.78 | -13   | -57.78     | Pass    |
| 1848.200     | Horizontal                               | -63.97 | -13   | -50.97     | Pass    |
| 4274.000     | Horizontal                               | -64.95 | -13   | -51.95     | Pass    |
| 7220.120     | Horizontal                               | -68.09 | -13   | -55.09     | Pass    |
| 92.974       | Vertical                                 | -63.74 | -13   | -50.74     | Pass    |
| 378.692      | Vertical                                 | -64.75 | -13   | -51.75     | Pass    |
| 809.215      | Vertical                                 | -65.59 | -13   | -52.59     | Pass    |
| 2444.300     | Vertical                                 | -63.52 | -13   | -50.52     | Pass    |
| 4010.900     | Vertical                                 | -66.61 | -13   | -53.61     | Pass    |
| 7214.800     | Vertical                                 | -68.67 | -13   | -55.67     | Pass    |

| AWGN 2197.5MHz |                                          |        |       |            |         |
|----------------|------------------------------------------|--------|-------|------------|---------|
| Frequency      | Spurious Emission Polarization and Level |        | Limit | Over Limit | Verdict |
| MHz            | Polarization                             | dBm    | dBm   | dB         |         |
| 90.634         | Horizontal                               | -66.84 | -13   | -53.84     | Pass    |
| 382.842        | Horizontal                               | -63.85 | -13   | -50.85     | Pass    |
| 784.515        | Horizontal                               | -63.74 | -13   | -50.74     | Pass    |
| 1862.100       | Horizontal                               | -66.32 | -13   | -53.32     | Pass    |
| 3989.800       | Horizontal                               | -63.98 | -13   | -50.98     | Pass    |
| 6569.160       | Horizontal                               | -69.42 | -13   | -56.42     | Pass    |
| 114.974        | Vertical                                 | -62.69 | -13   | -49.69     | Pass    |
| 380.072        | Vertical                                 | -65.79 | -13   | -52.79     | Pass    |
| 777.165        | Vertical                                 | -65.11 | -13   | -52.11     | Pass    |
| 2128.000       | Vertical                                 | -63.89 | -13   | -50.89     | Pass    |
| 3617.100       | Vertical                                 | -59.04 | -13   | -46.04     | Pass    |
| 6902.010       | Vertical                                 | -66.47 | -13   | -53.47     | Pass    |

| 100M 2160MHz |                                          |        |       |            |         |
|--------------|------------------------------------------|--------|-------|------------|---------|
| Frequency    | Spurious Emission Polarization and Level |        | Limit | Over Limit | Verdict |
| MHz          | Polarization                             | dBm    | dBm   | dB         |         |
| 116.694      | Horizontal                               | -65.28 | -13   | -52.28     | Pass    |
| 395.272      | Horizontal                               | -64.51 | -13   | -51.51     | Pass    |
| 823.055      | Horizontal                               | -65.46 | -13   | -52.46     | Pass    |
| 2625.600     | Horizontal                               | -62.92 | -13   | -49.92     | Pass    |
| 4142.000     | Horizontal                               | -66.19 | -13   | -53.19     | Pass    |
| 5439.790     | Horizontal                               | -68.03 | -13   | -55.03     | Pass    |
| 115.204      | Vertical                                 | -67.58 | -13   | -54.58     | Pass    |
| 367.292      | Vertical                                 | -64.97 | -13   | -51.97     | Pass    |
| 806.415      | Vertical                                 | -65.97 | -13   | -52.97     | Pass    |
| 1937.000     | Vertical                                 | -66.21 | -13   | -53.21     | Pass    |
| 4080.200     | Vertical                                 | -60.79 | -13   | -47.79     | Pass    |
| 7072.440     | Vertical                                 | -69.07 | -13   | -56.07     | Pass    |

| 100M 2155MHz |                                          |        |       |            |         |
|--------------|------------------------------------------|--------|-------|------------|---------|
| Frequency    | Spurious Emission Polarization and Level |        | Limit | Over Limit | Verdict |
| MHz          | Polarization                             | dBm    | dBm   | dB         |         |
| 87.974       | Horizontal                               | -69.25 | -13   | -56.25     | Pass    |
| 382.832      | Horizontal                               | -63.84 | -13   | -50.84     | Pass    |
| 777.495      | Horizontal                               | -67.49 | -13   | -54.49     | Pass    |
| 2607.500     | Horizontal                               | -64.71 | -13   | -51.71     | Pass    |
| 4015.000     | Horizontal                               | -61.75 | -13   | -48.75     | Pass    |
| 5209.020     | Horizontal                               | -62.42 | -13   | -49.42     | Pass    |
| 93.144       | Vertical                                 | -61.62 | -13   | -48.62     | Pass    |
| 368.042      | Vertical                                 | -70.38 | -13   | -57.38     | Pass    |
| 790.475      | Vertical                                 | -64.82 | -13   | -51.82     | Pass    |
| 2535.300     | Vertical                                 | -61.32 | -13   | -48.32     | Pass    |
| 3765.800     | Vertical                                 | -62.02 | -13   | -49.02     | Pass    |
| 6908.350     | Vertical                                 | -62.06 | -13   | -49.06     | Pass    |

| 100M 2150MHz |                                          |        |       |            |         |
|--------------|------------------------------------------|--------|-------|------------|---------|
| Frequency    | Spurious Emission Polarization and Level |        | Limit | Over Limit | Verdict |
| MHz          | Polarization                             | dBm    | dBm   | dB         |         |
| 118.664      | Horizontal                               | -67.15 | -13   | -54.15     | Pass    |
| 404.352      | Horizontal                               | -66.85 | -13   | -53.85     | Pass    |
| 782.675      | Horizontal                               | -62.91 | -13   | -49.91     | Pass    |
| 2052.300     | Horizontal                               | -67.97 | -13   | -54.97     | Pass    |
| 3704.800     | Horizontal                               | -59.89 | -13   | -46.89     | Pass    |
| 5113.010     | Horizontal                               | -65.21 | -13   | -52.21     | Pass    |
| 78.254       | Vertical                                 | -62.27 | -13   | -49.27     | Pass    |
| 366.282      | Vertical                                 | -71.43 | -13   | -58.43     | Pass    |
| 806.955      | Vertical                                 | -66.64 | -13   | -53.64     | Pass    |
| 2648.200     | Vertical                                 | -67.61 | -13   | -54.61     | Pass    |
| 4106.900     | Vertical                                 | -62.30 | -13   | -49.30     | Pass    |
| 7185.730     | Vertical                                 | -68.76 | -13   | -55.76     | Pass    |