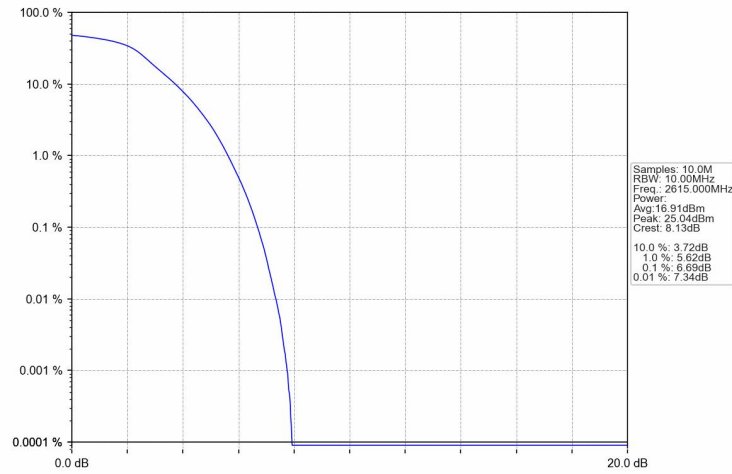
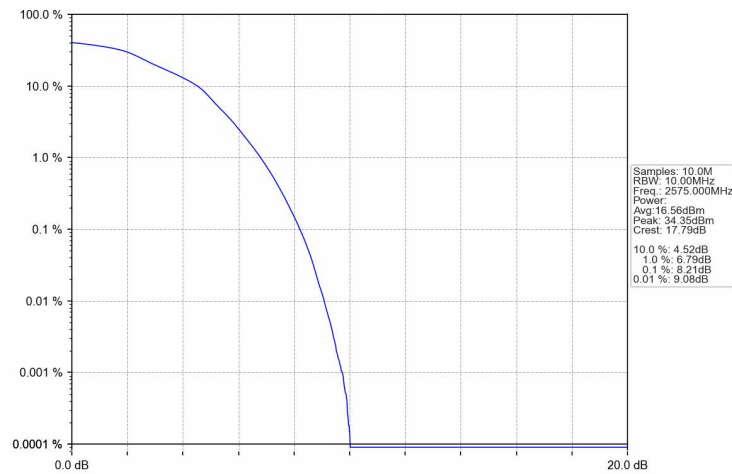


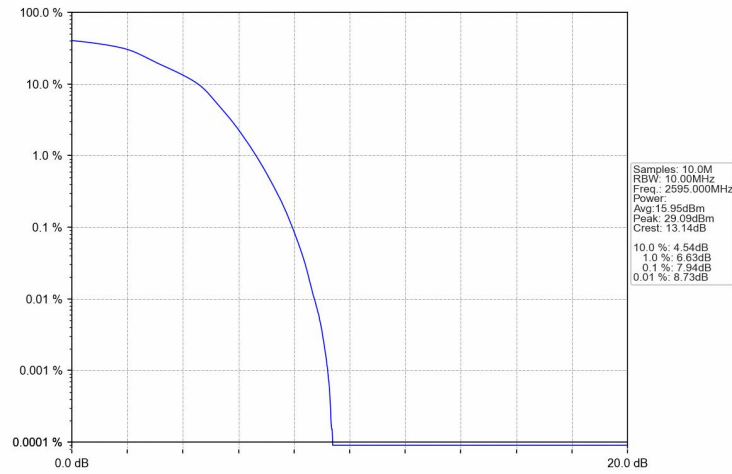
Band38\_10MHz\_QPSK\_HCH\_2615MHz\_RB\_50\_0\_NTNV



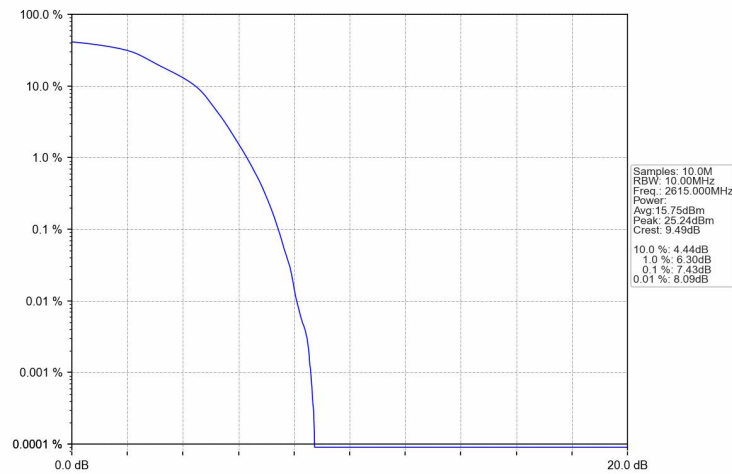
Band38\_10MHz\_16QAM\_LCH\_2575MHz\_RB\_50\_0\_NTNV



Band38 10MHz 16QAM MCH 2595MHz RB 50 0 NTN

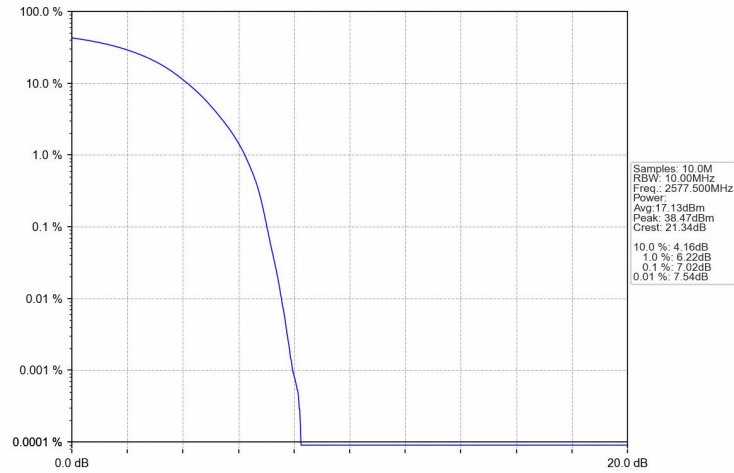


Band38 10MHz 16QAM HCH 2615MHz RB 50 0 NTN

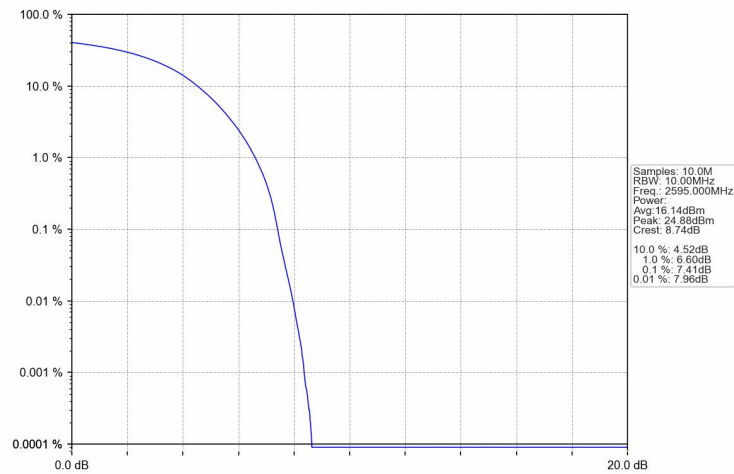


### 5.2.3 B38\_15MHz

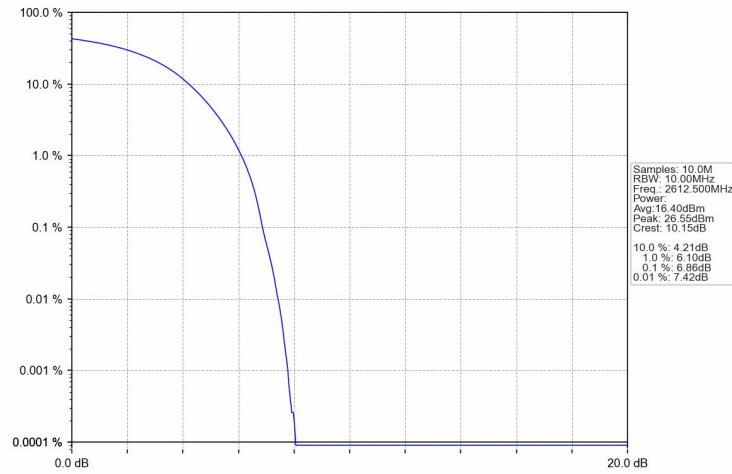
Band38\_15MHz\_QPSK\_LCH\_2577.5MHz\_RB\_75\_0\_NTNV



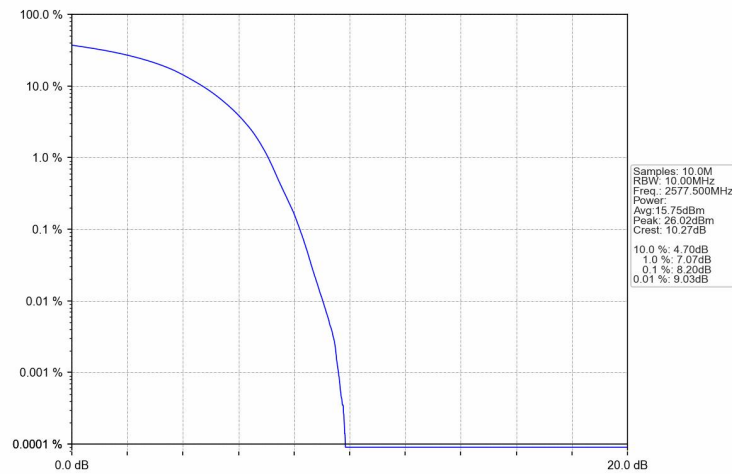
Band38\_15MHz\_QPSK\_MCH\_2595MHz\_RB\_75\_0\_NTNV



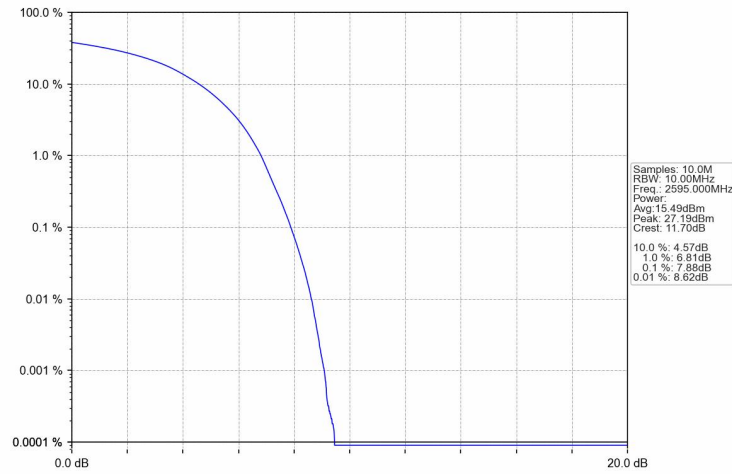
Band38\_15MHz\_QPSK\_HCH\_2612.5MHz\_RB\_75\_0\_NTNV



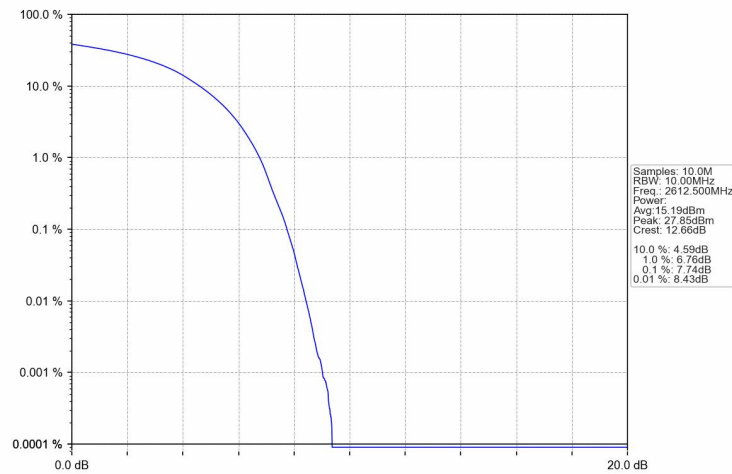
Band38\_15MHz\_16QAM\_LCH\_2577.5MHz\_RB\_75\_0\_NTNV



Band38\_15MHz\_16QAM\_MCH\_2595MHz\_RB\_75\_0\_NTNV

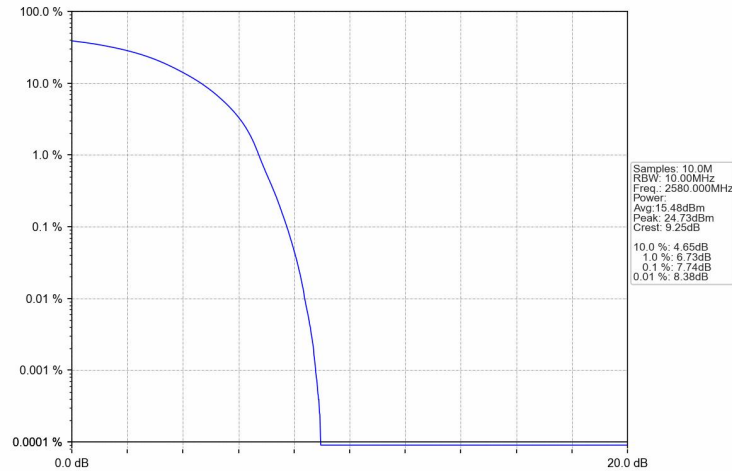


Band38\_15MHz\_16QAM\_HCH\_2612.5MHz\_RB\_75\_0\_NTNV

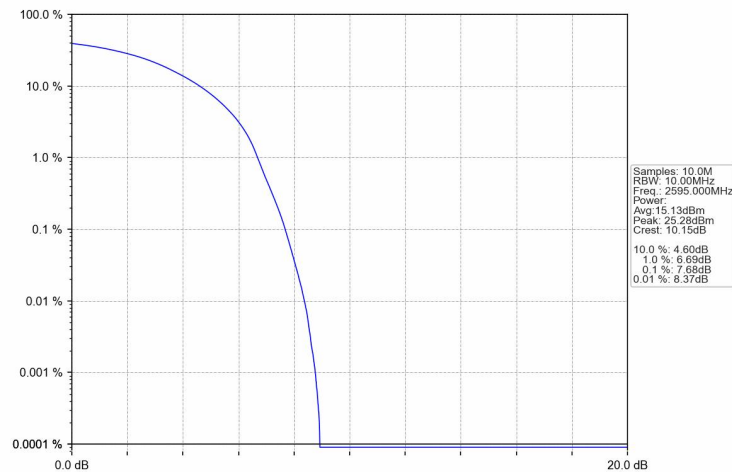


## 5.2.4 B38\_20MHz

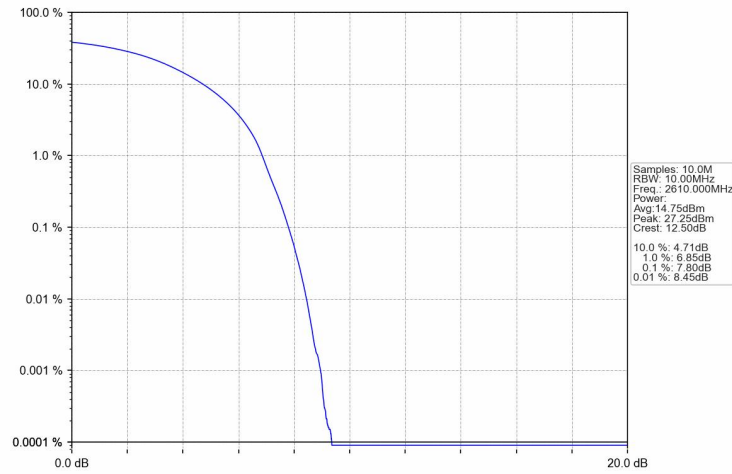
Band38 20MHz QPSK LCH 2580MHz RB 100 0 NTN



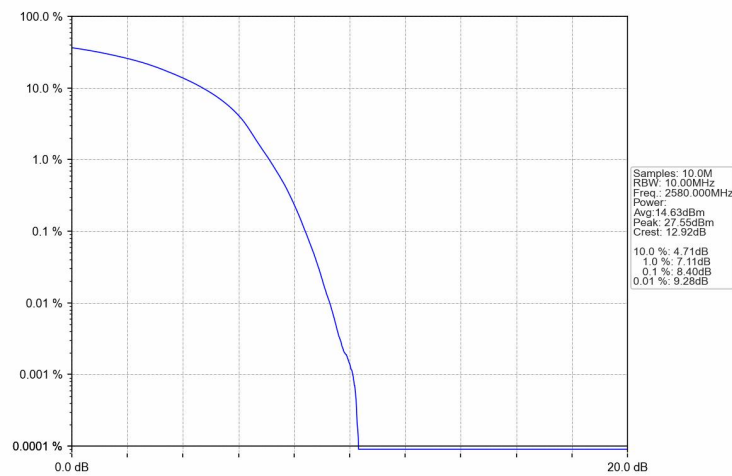
Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTN



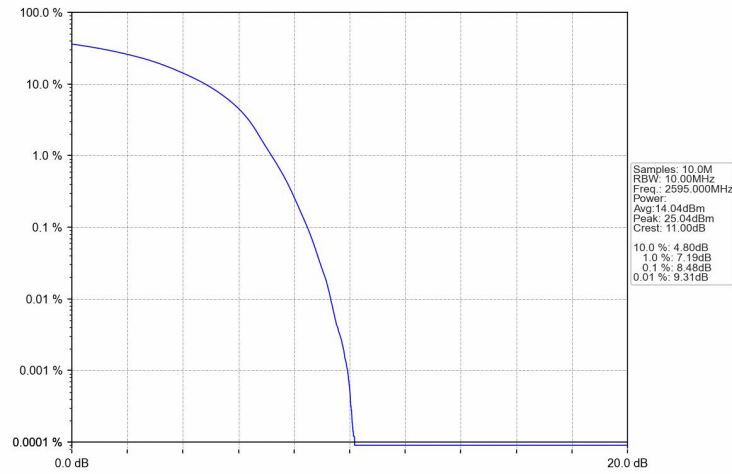
Band38\_20MHz\_QPSK\_HCH\_2610MHz\_RB\_100\_0\_NTNV



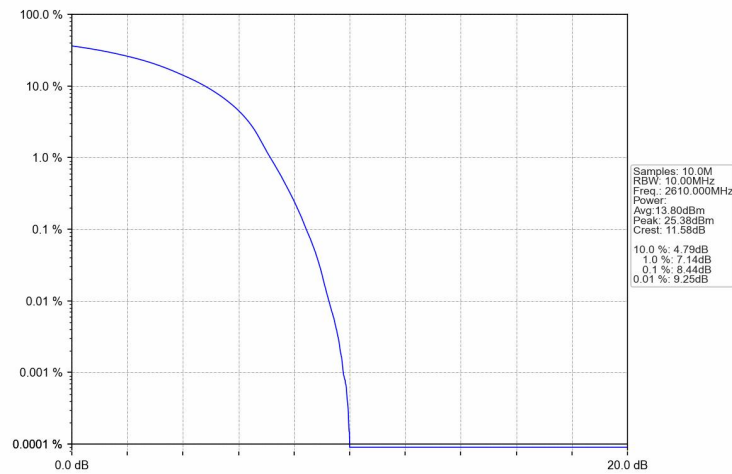
Band38\_20MHz\_16QAM\_LCH\_2580MHz\_RB\_100\_0\_NTNV



Band38\_20MHz\_16QAM\_MCH\_2595MHz\_RB\_100\_0\_NTNV



Band38\_20MHz\_16QAM\_HCH\_2610MHz\_RB\_100\_0\_NTNV





## 6. Spurious Emission

### 6.1 Test Result

#### 6.1.1 B38\_5MHz

| Band: 38 / Bandwidth: 5MHz / NTV |                 |               |        |                     |       |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       |
|                                  |                 | Size          | Offset | Result              | Limit |
| QPSK                             | 2572.5          | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 25            | 0      | Refer To Test Graph | Pass  |
|                                  | 2617.5          | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 1             | 24     | Refer To Test Graph | Pass  |
|                                  |                 | 25            | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 25            | 0      | Refer To Test Graph | Pass  |
| 16QAM                            | 2572.5          | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 25            | 0      | Refer To Test Graph | Pass  |
|                                  | 2617.5          | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 1             | 24     | Refer To Test Graph | Pass  |
|                                  |                 | 25            | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 25            | 0      | Refer To Test Graph | Pass  |

#### 6.1.2 B38\_10MHz

| Band: 38 / Bandwidth: 10MHz / NTV |                 |               |        |                     |       |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       |
|                                   |                 | Size          | Offset | Result              | Limit |
| QPSK                              | 2575            | 1             | 0      | Refer To Test Graph | Pass  |
|                                   |                 | 50            | 0      | Refer To Test Graph | Pass  |
|                                   | 2615            | 1             | 0      | Refer To Test Graph | Pass  |
|                                   |                 | 1             | 49     | Refer To Test Graph | Pass  |
|                                   |                 | 50            | 0      | Refer To Test Graph | Pass  |
|                                   |                 | 50            | 0      | Refer To Test Graph | Pass  |
| 16QAM                             | 2575            | 1             | 0      | Refer To Test Graph | Pass  |
|                                   |                 | 50            | 0      | Refer To Test Graph | Pass  |
|                                   | 2615            | 1             | 0      | Refer To Test Graph | Pass  |
|                                   |                 | 1             | 49     | Refer To Test Graph | Pass  |
|                                   |                 | 50            | 0      | Refer To Test Graph | Pass  |
|                                   |                 | 50            | 0      | Refer To Test Graph | Pass  |

#### 6.1.3 B38\_15MHz

| Band: 38 / Bandwidth: 15MHz / NTV |                 |               |        |                     |       |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       |
|                                   |                 | Size          | Offset | Result              | Limit |
| QPSK                              | 2577.5          | 1             | 0      | Refer To Test Graph | Pass  |
|                                   |                 | 75            | 0      | Refer To Test Graph | Pass  |
|                                   | 2612.5          | 1             | 0      | Refer To Test Graph | Pass  |
|                                   |                 | 1             | 74     | Refer To Test Graph | Pass  |
|                                   |                 | 75            | 0      | Refer To Test Graph | Pass  |
|                                   |                 | 75            | 0      | Refer To Test Graph | Pass  |
| 16QAM                             | 2577.5          | 1             | 0      | Refer To Test Graph | Pass  |
|                                   |                 | 75            | 0      | Refer To Test Graph | Pass  |
|                                   | 2612.5          | 1             | 0      | Refer To Test Graph | Pass  |
|                                   |                 | 1             | 74     | Refer To Test Graph | Pass  |
|                                   |                 | 75            | 0      | Refer To Test Graph | Pass  |
|                                   |                 | 75            | 0      | Refer To Test Graph | Pass  |

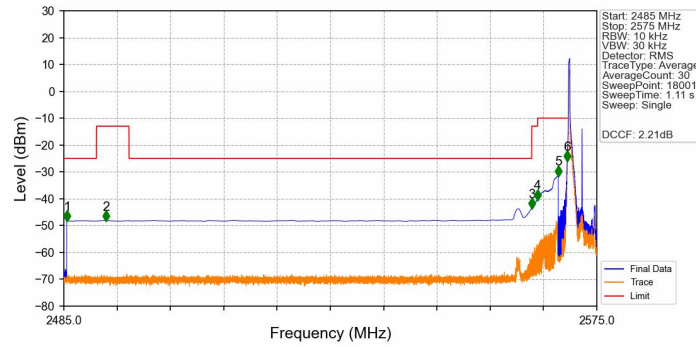
#### 6.1.4 B38\_20MHz

| Band: 38 / Bandwidth: 20MHz / NTNV |                 |               |        |                     |       |         |
|------------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                    |                 | Size          | Offset | Result              | Limit |         |
| QPSK                               | 2580            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 | 100           | 0      | Refer To Test Graph |       | Pass    |
|                                    | 2595            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    | 2610            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 |               | 99     | Refer To Test Graph |       | Pass    |
|                                    |                 | 100           | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                              | 2580            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 | 100           | 0      | Refer To Test Graph |       | Pass    |
|                                    | 2595            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    | 2610            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 |               | 99     | Refer To Test Graph |       | Pass    |
|                                    |                 | 100           | 0      | Refer To Test Graph |       | Pass    |

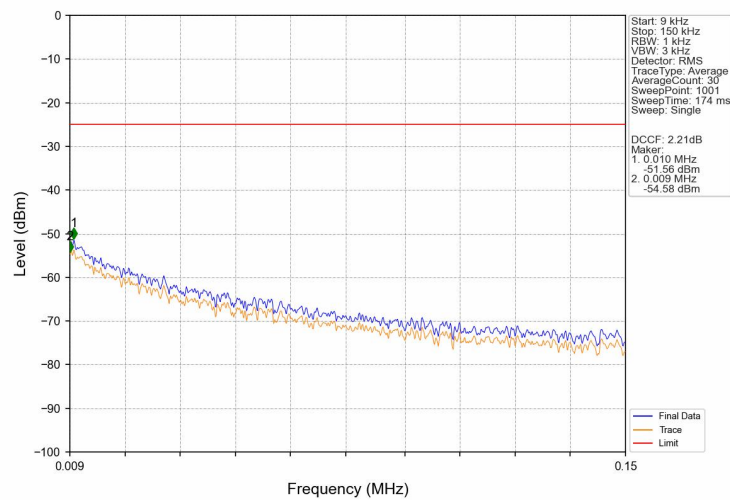
## 6.2 Test Graph

### 6.2.1 B38\_5MHz

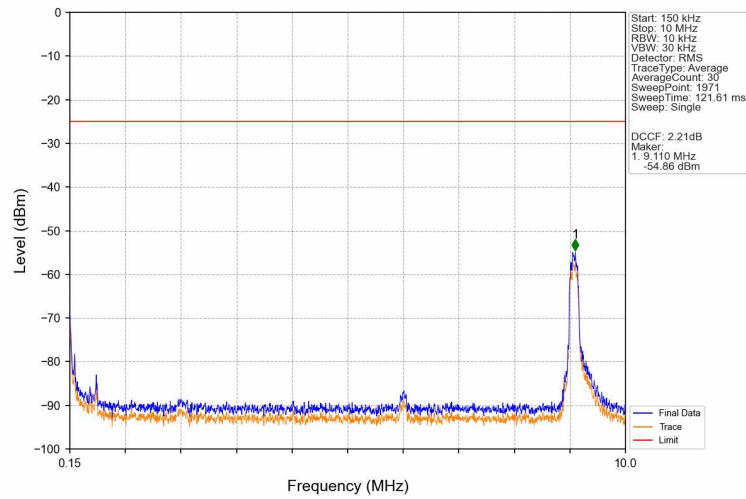
Band38\_5MHz\_QPSK\_LCH\_2572.5MHz\_RB\_1\_0\_NTNV



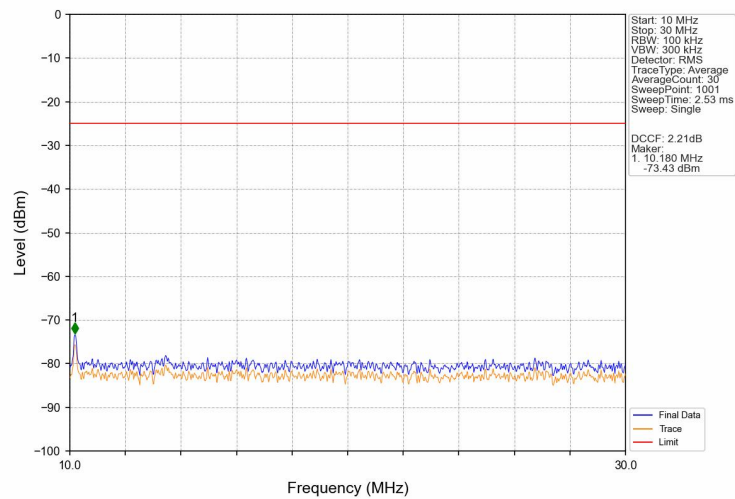
Band38\_5MHz\_QPSK\_LCH\_2572.5MHz\_RB\_1\_0\_NTNV



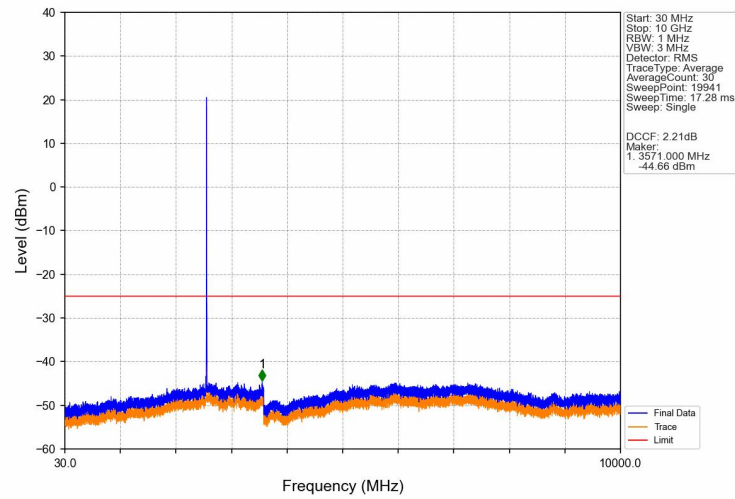
### Band38\_5MHz\_QPSK\_LCH\_2572.5MHz\_RB\_1\_0\_NTNV



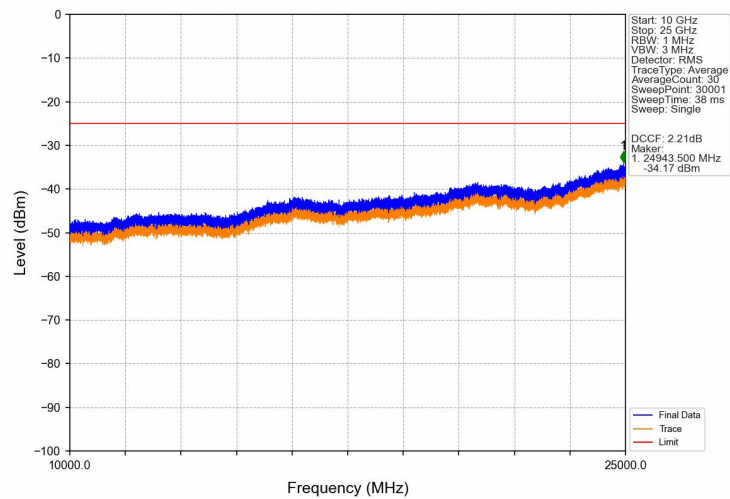
### Band38\_5MHz\_QPSK\_LCH\_2572.5MHz\_RB\_1\_0\_NTNV



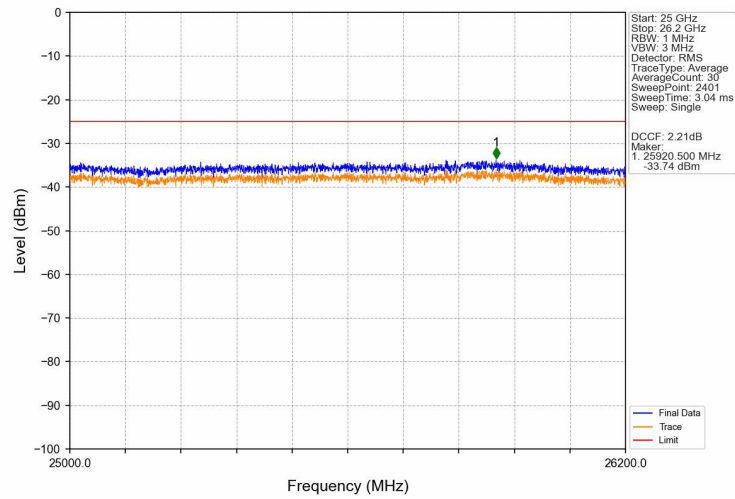
### Band38\_5MHz\_QPSK\_LCH\_2572.5MHz\_RB\_1\_0\_NTNV



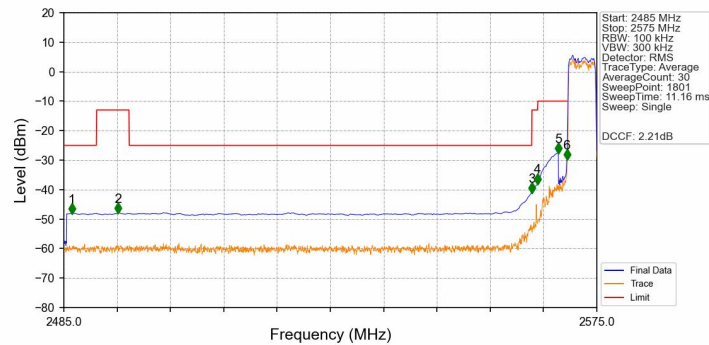
### Band38\_5MHz\_QPSK\_LCH\_2572.5MHz\_RB\_1\_0\_NTNV



### Band38\_5MHz\_QPSK\_LCH\_2572.5MHz\_RB\_1\_0\_NTNV

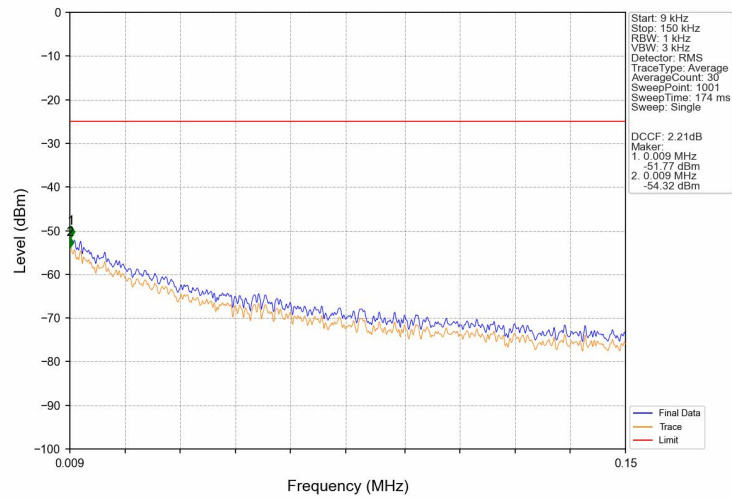


### Band38\_5MHz\_QPSK\_LCH\_2572.5MHz\_RB\_25\_0\_NTNV

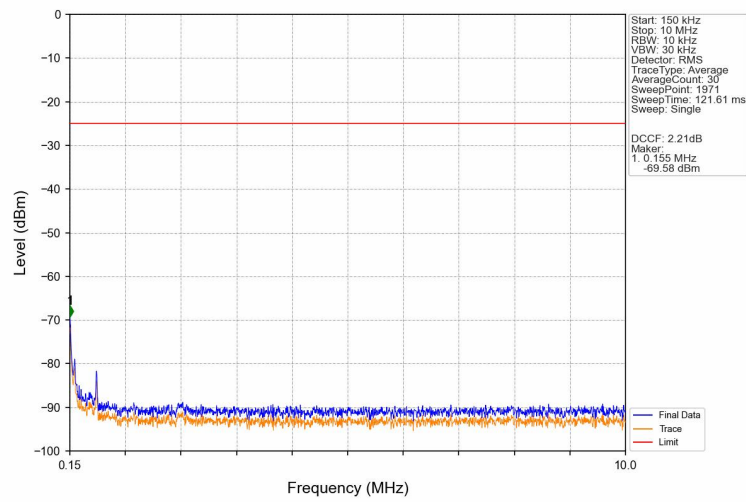


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2486.350   | -48.00      | -25         | Pass   |
| 2490.5      | 2496       | 1         | CHP    | 2          | 2494.200   | -47.80      | -13         | Pass   |
| 2496        | 2564       | 1         | CHP    | 3          | 2564.000   | -41.08      | -25         | Pass   |
| 2564        | 2565       | 1         | CHP    | 4          | 2565.000   | -37.94      | -13         | Pass   |
| 2565        | 2569       | 1         | CHP    | 5          | 2568.500   | -27.59      | -10         | Pass   |
| 2569        | 2570       | 0.103     | CHP    | 6          | 2569.950   | -29.70      | -10         | Pass   |
| 2570        | 2575       | 0.103     | CHP    | /          | /          | /           | /           | /      |

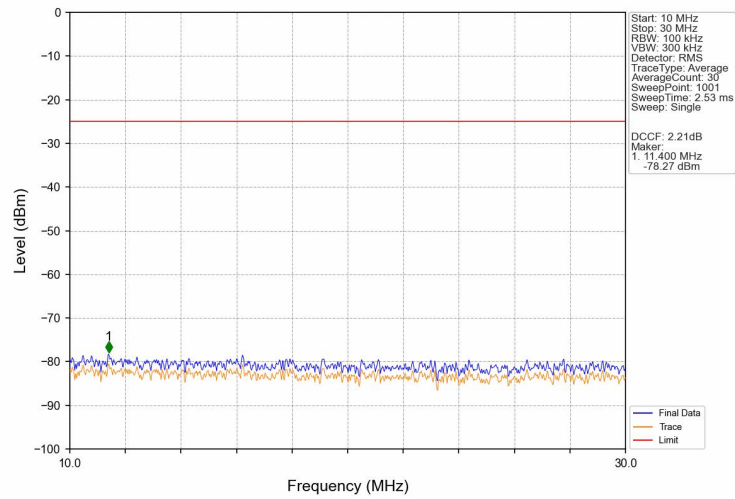
### Band38\_5MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV



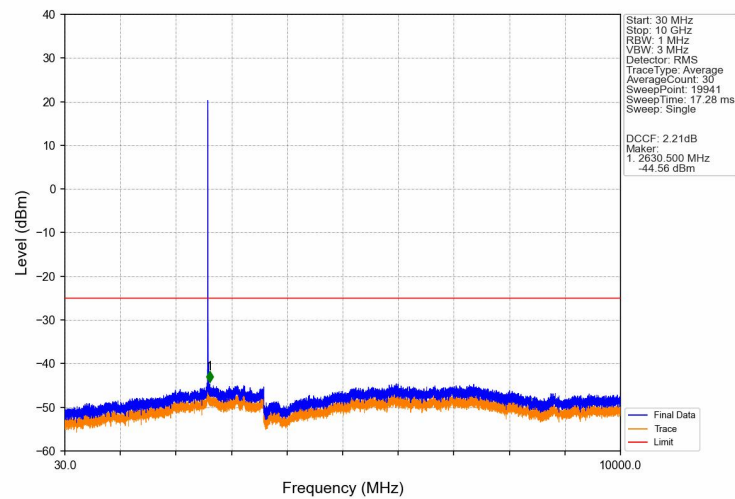
### Band38\_5MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV



### Band38\_5MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV

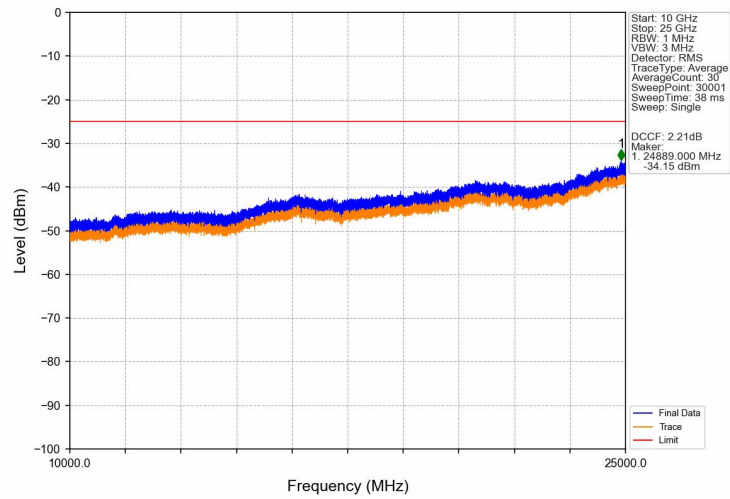


### Band38\_5MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV

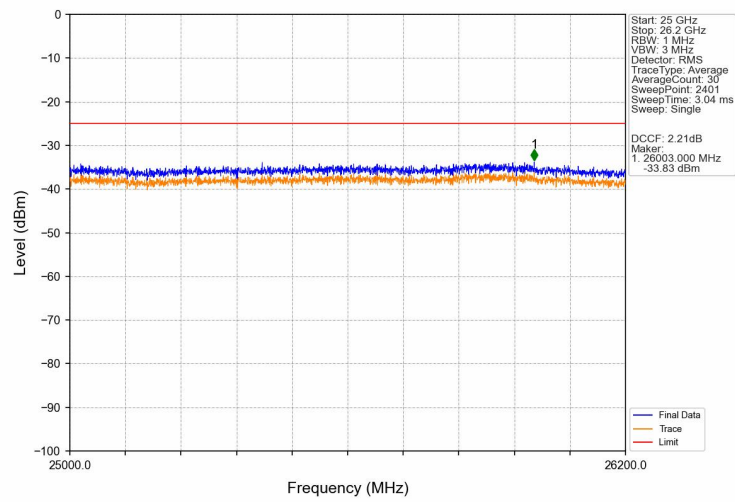




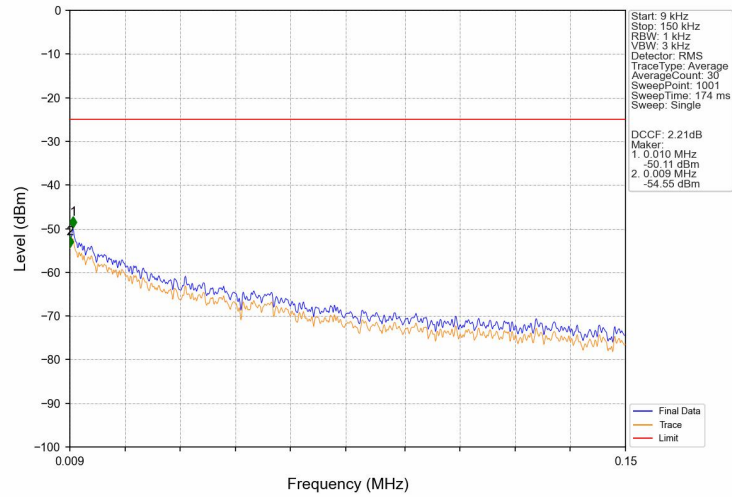
### Band38\_5MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV



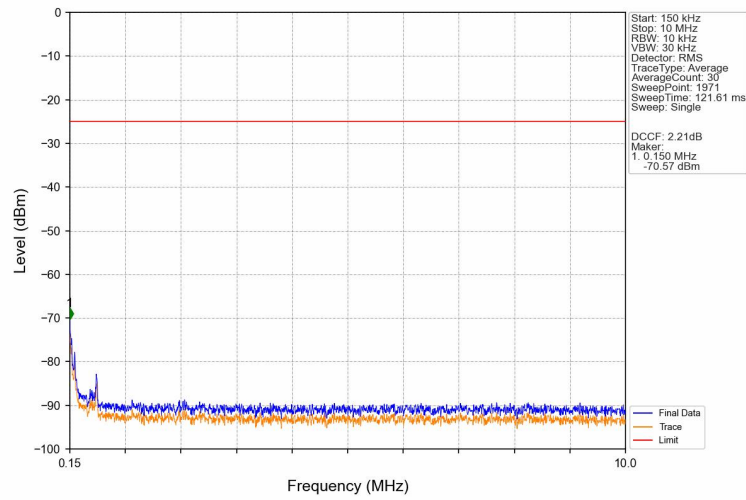
### Band38\_5MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV



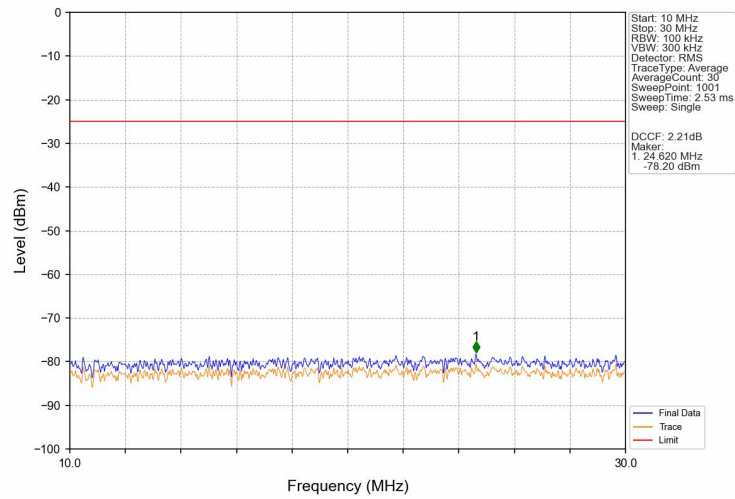
### Band38\_5MHz\_QPSK\_HCH\_2617.5MHz\_RB\_1\_0\_NTNV



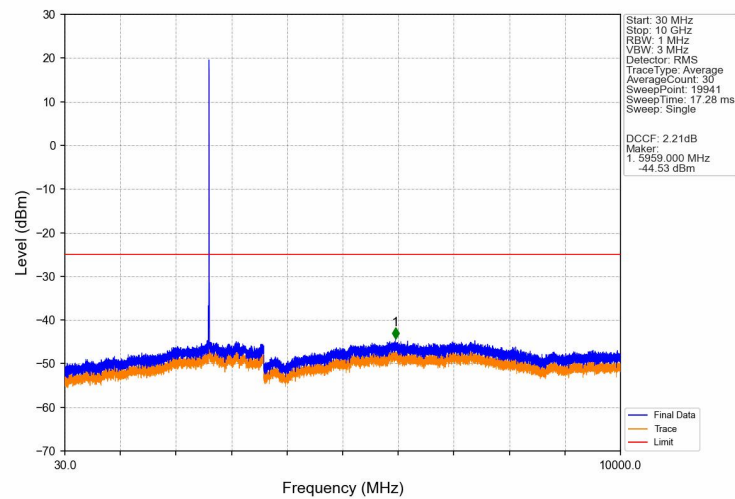
### Band38\_5MHz\_QPSK\_HCH\_2617.5MHz\_RB\_1\_0\_NTNV



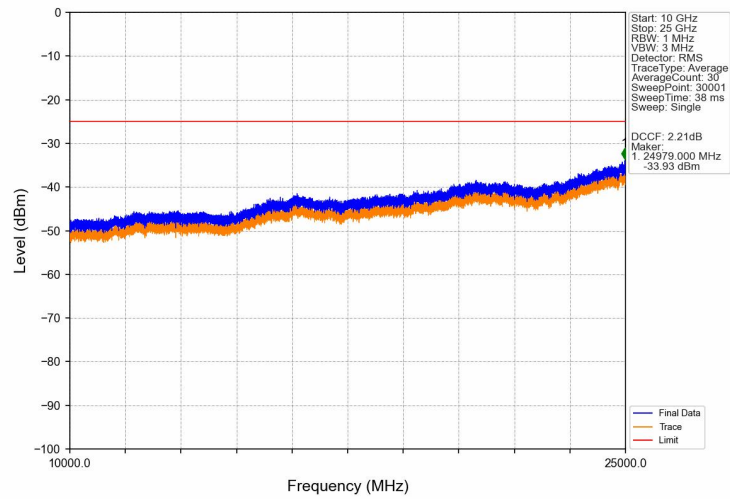
### Band38\_5MHz\_QPSK\_HCH\_2617.5MHz\_RB\_1\_0\_NTNV



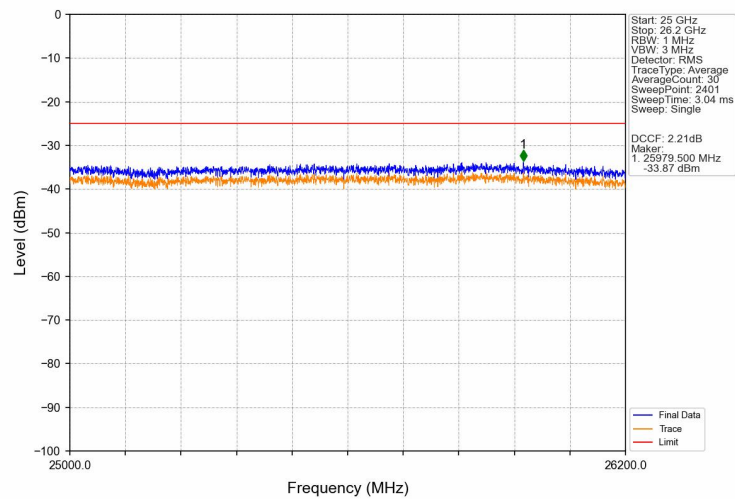
### Band38\_5MHz\_QPSK\_HCH\_2617.5MHz\_RB\_1\_0\_NTNV



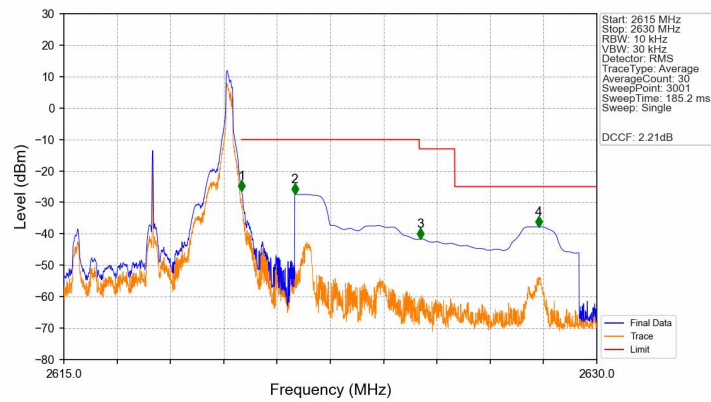
### Band38\_5MHz\_QPSK\_HCH\_2617.5MHz\_RB\_1\_0\_NTNV



### Band38\_5MHz\_QPSK\_HCH\_2617.5MHz\_RB\_1\_0\_NTNV

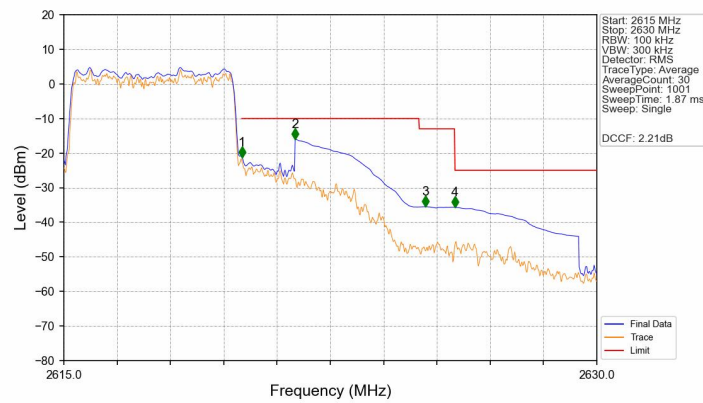


### Band38\_5MHz\_QPSK\_HCH\_2617.5MHz\_RB\_1\_24\_NTNV



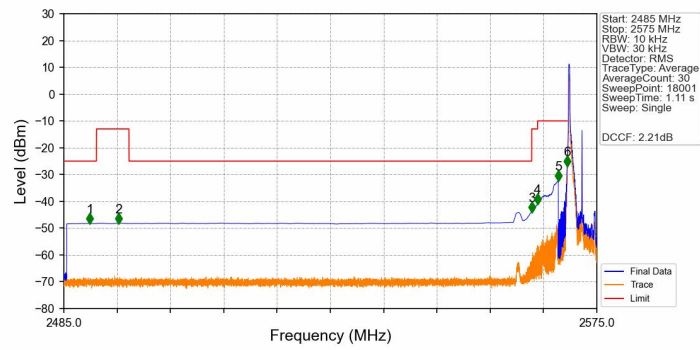
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2615        | 2620       | 0.02      | CHP    | /          | /          | /           | /           | /      |
| 2620        | 2621       | 0.02      | CHP    | 1          | 2620.005   | -26.39      | -10         | Pass   |
| 2621        | 2625       | 1         | CHP    | 2          | 2621.500   | -27.41      | -10         | Pass   |
| 2625        | 2626       | 1         | CHP    | 3          | 2625.040   | -41.64      | -13         | Pass   |
| 2626        | 2630       | 1         | CHP    | 4          | 2628.360   | -37.77      | -25         | Pass   |

### Band38\_5MHz\_QPSK\_HCH\_2617.5MHz\_RB\_25\_0\_NTNV

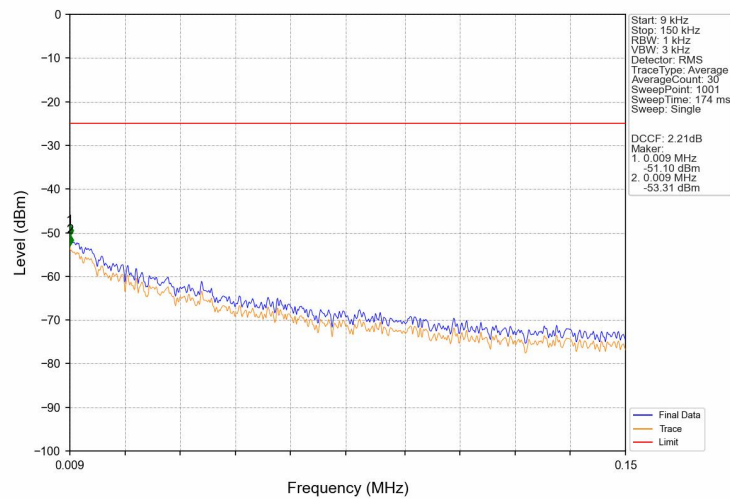


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2615        | 2620       | 0.104     | CHP    | /          | /          | /           | /           | /      |
| 2620        | 2621       | 0.104     | CHP    | 1          | 2620.010   | -21.24      | -10         | Pass   |
| 2621        | 2625       | 1         | CHP    | 2          | 2621.510   | -16.07      | -10         | Pass   |
| 2625        | 2626       | 1         | CHP    | 3          | 2625.185   | -35.51      | -13         | Pass   |
| 2626        | 2630       | 1         | CHP    | 4          | 2626.010   | -35.73      | -25         | Pass   |

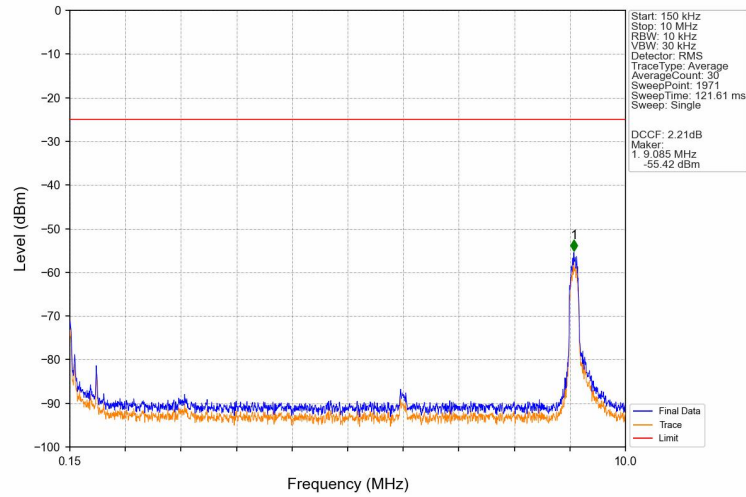
### Band38\_5MHz\_16QAM\_LCH\_2572.5MHz\_RB\_1\_0\_NTNV



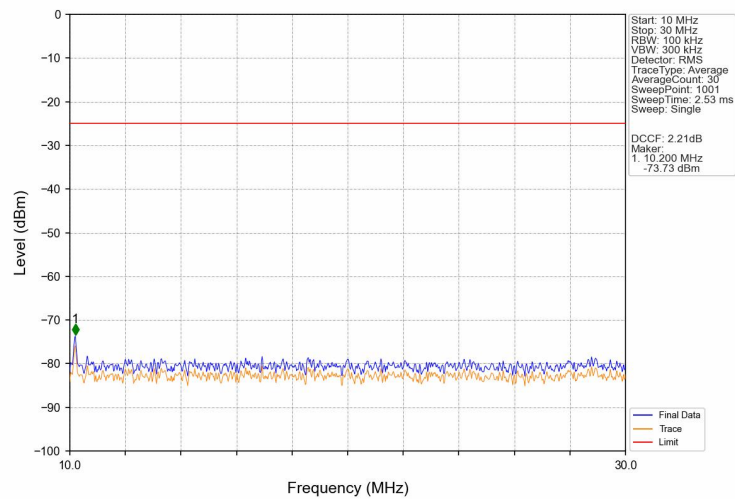
### Band38\_5MHz\_16QAM\_LCH\_2572.5MHz\_RB\_1\_0\_NTNV



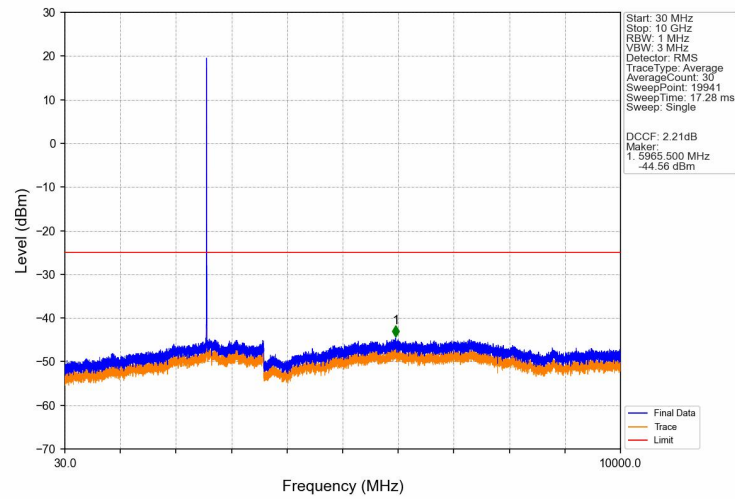
### Band38\_5MHz\_16QAM\_LCH\_2572.5MHz\_RB\_1\_0\_NTNV



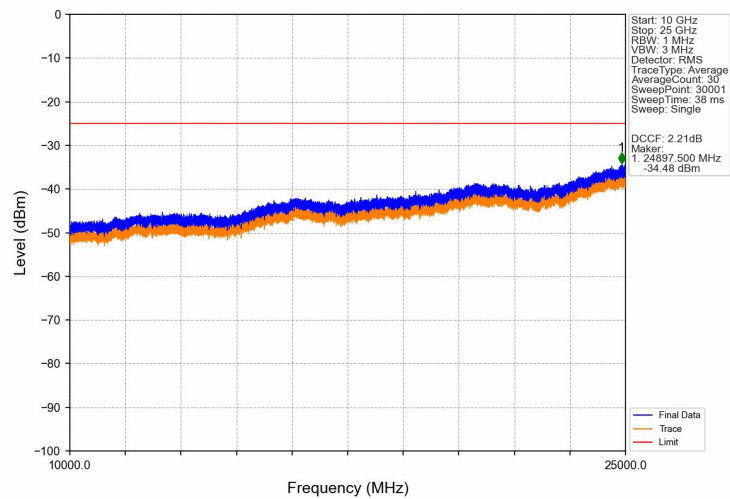
### Band38\_5MHz\_16QAM\_LCH\_2572.5MHz\_RB\_1\_0\_NTNV



### Band38\_5MHz\_16QAM\_LCH\_2572.5MHz\_RB\_1\_0\_NTNV

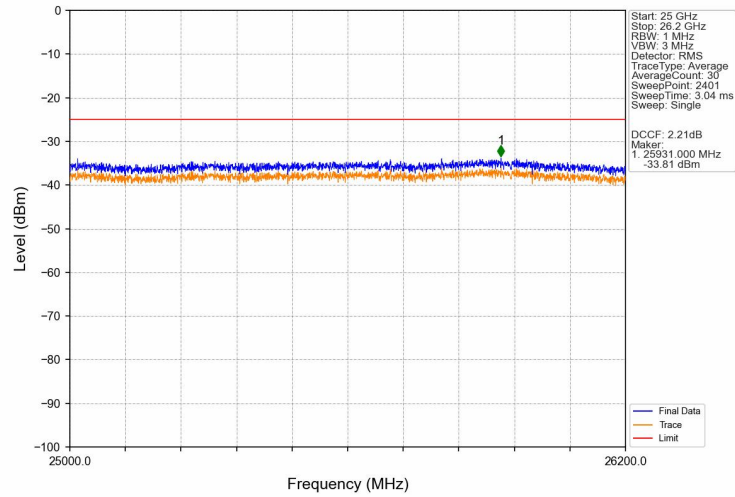


### Band38\_5MHz\_16QAM\_LCH\_2572.5MHz\_RB\_1\_0\_NTNV

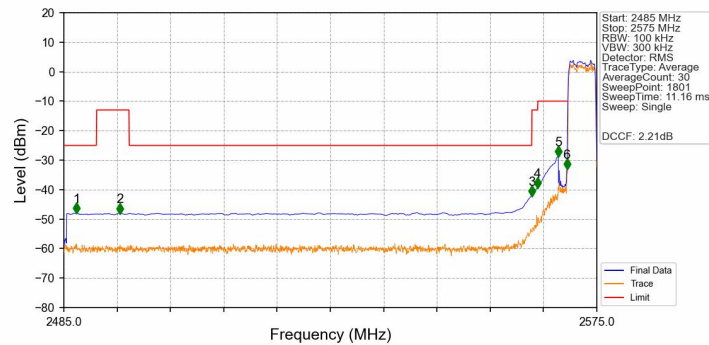




### Band38\_5MHz\_16QAM\_LCH\_2572.5MHz\_RB\_1\_0\_NTNV

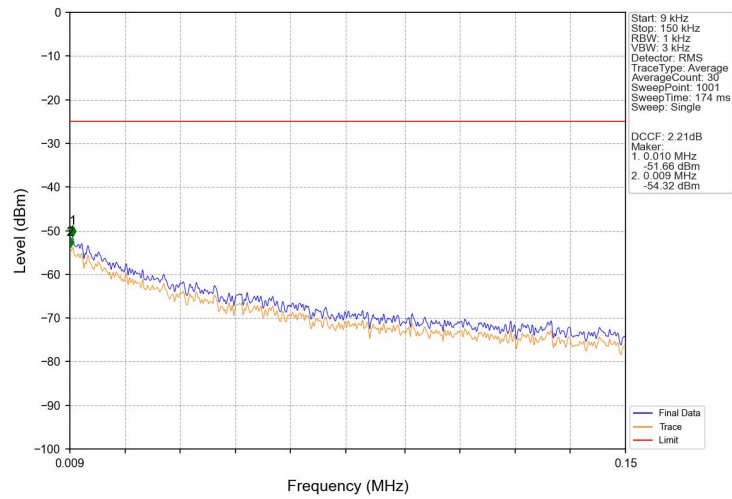


### Band38\_5MHz\_16QAM\_LCH\_2572.5MHz\_RB\_25\_0\_NTNV

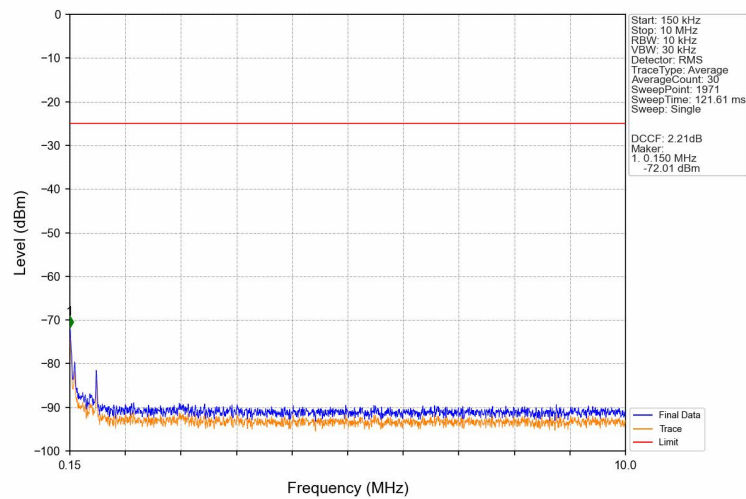


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2487.150   | -47.91      | -25         | Pass   |
| 2490.5      | 2496       | 1         | CHP    | 2          | 2494.450   | -47.98      | -13         | Pass   |
| 2496        | 2564       | 1         | CHP    | 3          | 2564.000   | -42.12      | -25         | Pass   |
| 2564        | 2565       | 1         | CHP    | 4          | 2565.000   | -39.32      | -13         | Pass   |
| 2565        | 2569       | 1         | CHP    | 5          | 2568.500   | -28.65      | -10         | Pass   |
| 2569        | 2570       | 0.102     | CHP    | 6          | 2569.950   | -32.84      | -10         | Pass   |
| 2570        | 2575       | 0.102     | CHP    | /          | /          | /           | /           | /      |

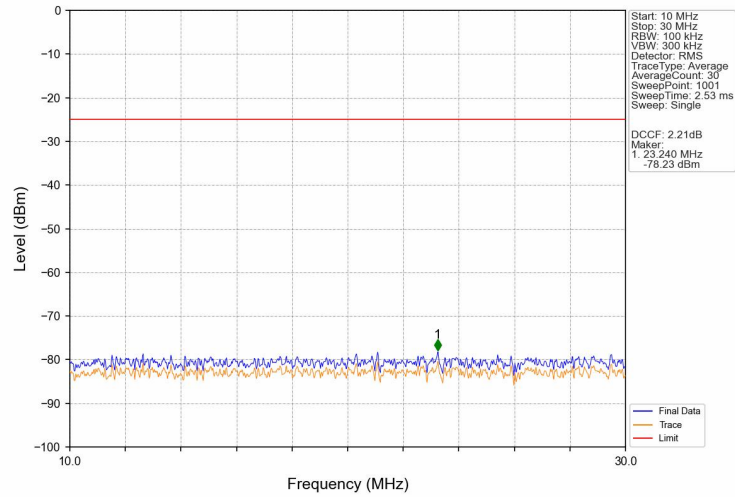
### Band38\_5MHz\_16QAM\_MCH\_2595MHz\_RB\_1\_0\_NTNV



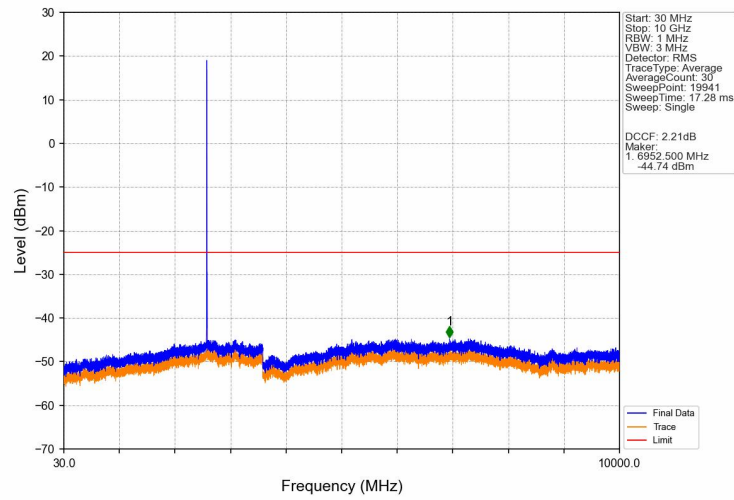
### Band38\_5MHz\_16QAM\_MCH\_2595MHz\_RB\_1\_0\_NTNV



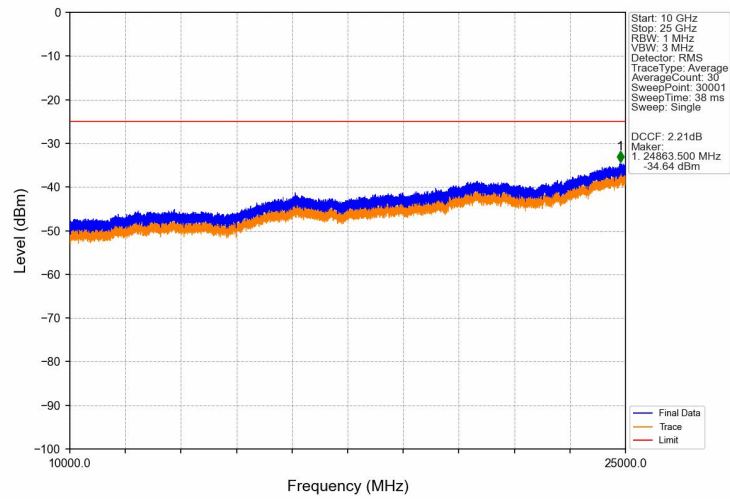
### Band38\_5MHz\_16QAM\_MCH\_2595MHz\_RB\_1\_0\_NTNV



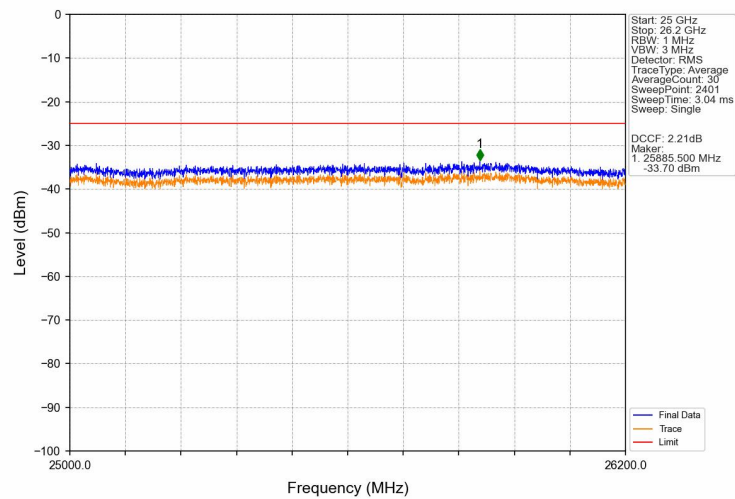
### Band38\_5MHz\_16QAM\_MCH\_2595MHz\_RB\_1\_0\_NTNV



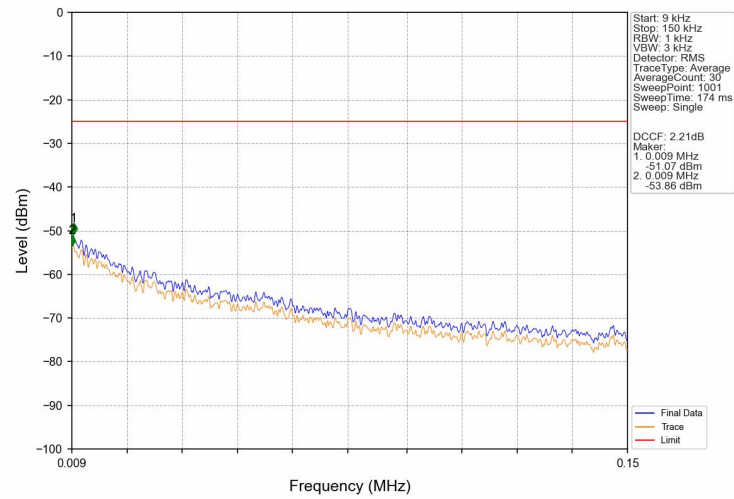
### Band38\_5MHz\_16QAM\_MCH\_2595MHz\_RB\_1\_0\_NTNV



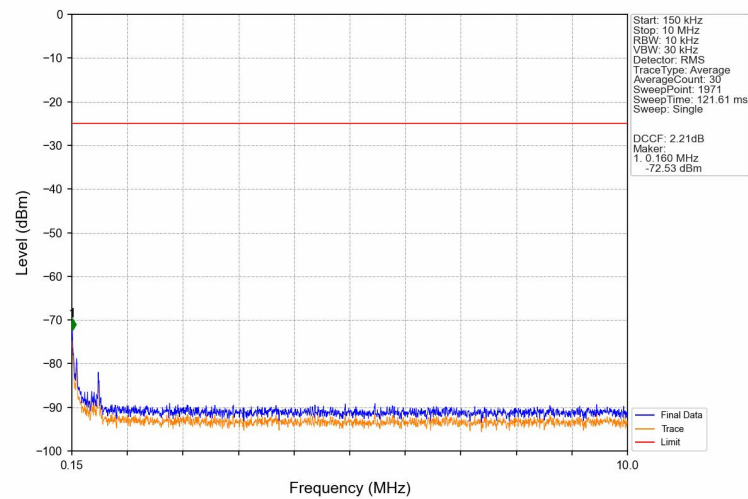
### Band38\_5MHz\_16QAM\_MCH\_2595MHz\_RB\_1\_0\_NTNV



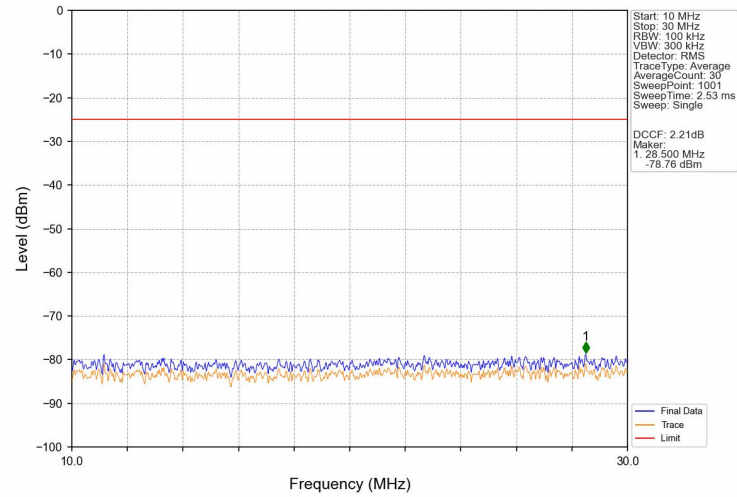
### Band38\_5MHz\_16QAM\_HCH\_2617.5MHz\_RB\_1\_0\_NTNV



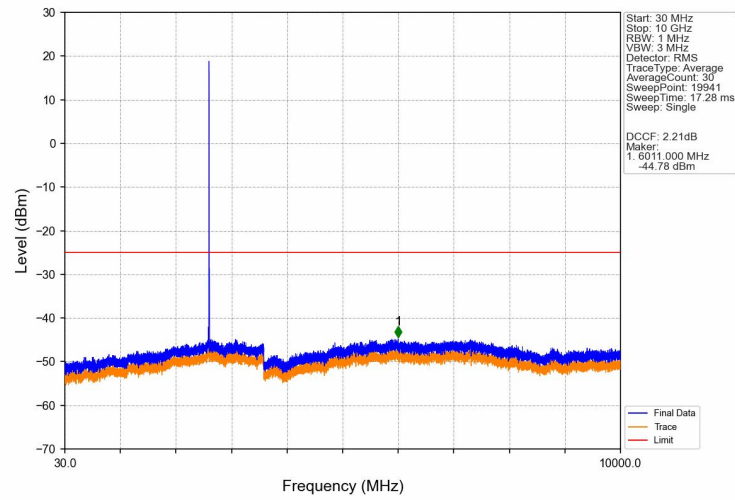
### Band38\_5MHz\_16QAM\_HCH\_2617.5MHz\_RB\_1\_0\_NTNV



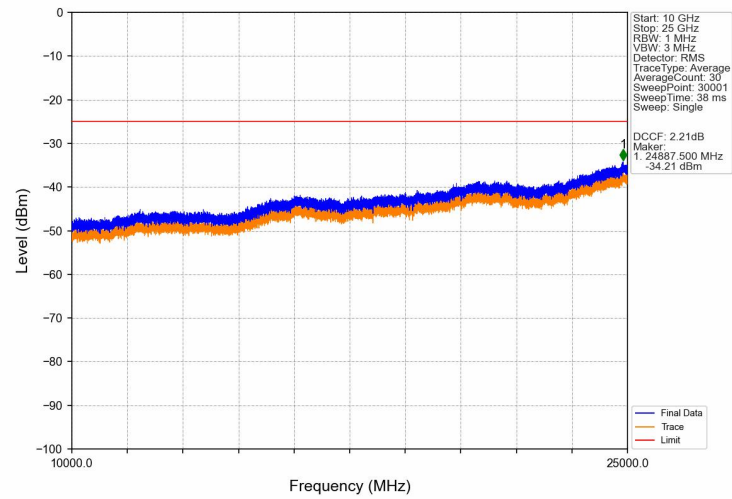
### Band38\_5MHz\_16QAM\_HCH\_2617.5MHz\_RB\_1\_0\_NTNV



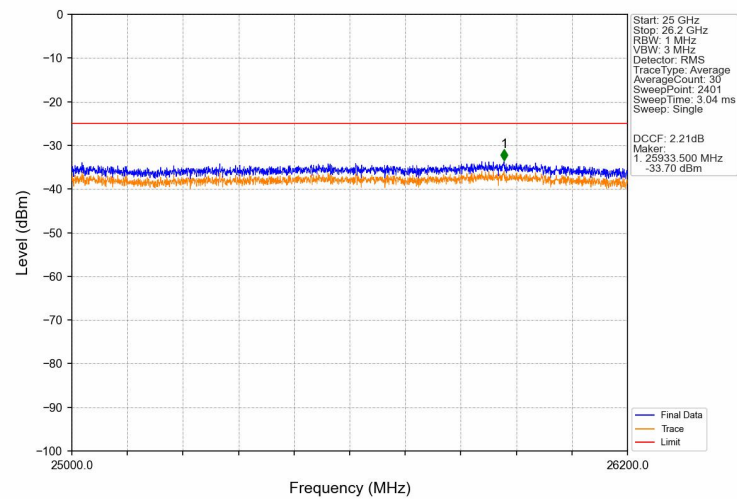
### Band38\_5MHz\_16QAM\_HCH\_2617.5MHz\_RB\_1\_0\_NTNV



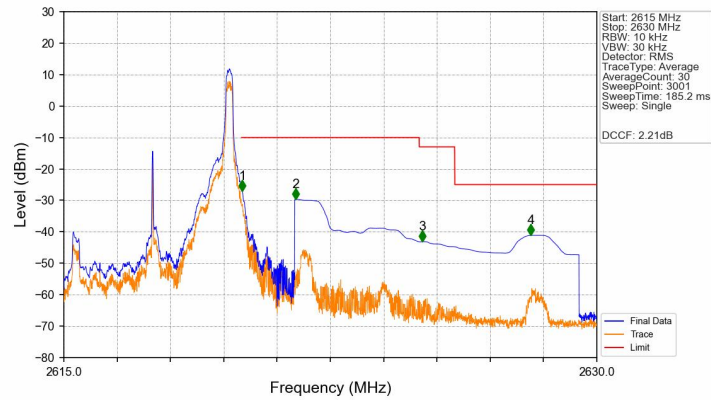
### Band38\_5MHz\_16QAM\_HCH\_2617.5MHz\_RB\_1\_0\_NTNV



### Band38\_5MHz\_16QAM\_HCH\_2617.5MHz\_RB\_1\_0\_NTNV

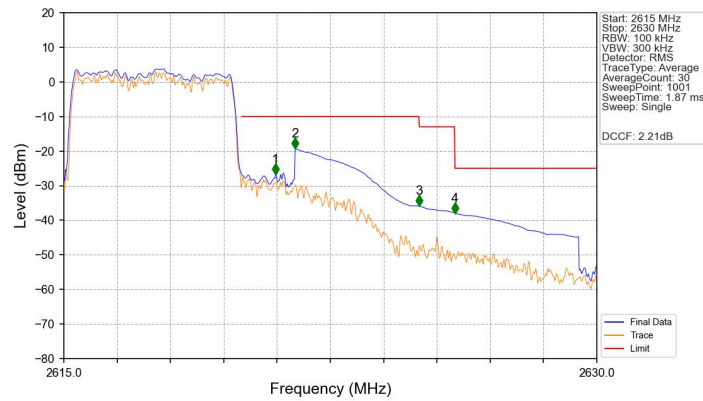


### Band38\_5MHz\_16QAM\_HCH\_2617.5MHz\_RB\_1\_24\_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2615        | 2620       | 0.02      | CHP    | /          | /          | /           | /           | /      |
| 2620        | 2621       | 0.02      | CHP    | 1          | 2620.020   | -27.00      | -10         | Pass   |
| 2621        | 2625       | 1         | CHP    | 2          | 2621.530   | -29.67      | -10         | Pass   |
| 2625        | 2626       | 1         | CHP    | 3          | 2625.090   | -43.12      | -13         | Pass   |
| 2626        | 2630       | 1         | CHP    | 4          | 2628.145   | -41.12      | -25         | Pass   |

### Band38\_5MHz\_16QAM\_HCH\_2617.5MHz\_RB\_25\_0\_NTNV

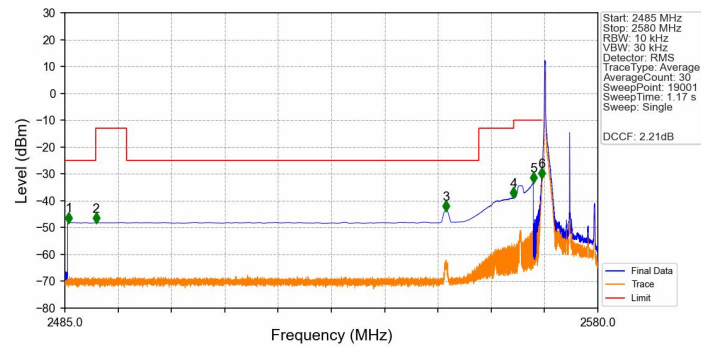


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2615        | 2620       | 0.103     | CHP    | /          | /          | /           | /           | /      |
| 2620        | 2621       | 0.103     | CHP    | 1          | 2620.955   | -26.79      | -10         | Pass   |
| 2621        | 2625       | 1         | CHP    | 2          | 2621.510   | -19.37      | -10         | Pass   |
| 2625        | 2626       | 1         | CHP    | 3          | 2625.005   | -35.92      | -13         | Pass   |
| 2626        | 2630       | 1         | CHP    | 4          | 2626.010   | -38.03      | -25         | Pass   |



## 6.2.2 B38\_10MHz

Band38\_10MHz\_QPSK\_LCH\_2575MHz\_RB\_1\_0\_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2485.725   | -48.04      | -25         | Pass   |
| 2490.5      | 2496       | 1         | CHP    | 2          | 2490.575   | -48.14      | -13         | Pass   |
| 2496        | 2558.785   | 1         | CHP    | 3          | 2552.955   | -43.75      | -25         | Pass   |
| 2558.785    | 2565       | 1         | CHP    | 4          | 2565.000   | -38.84      | -13         | Pass   |
| 2565        | 2569       | 1         | CHP    | 5          | 2568.500   | -33.16      | -10         | Pass   |
| 2569        | 2570       | 0.02      | CHP    | 6          | 2569.995   | -31.50      | -10         | Pass   |
| 2570        | 2580       | 0.02      | CHP    | /          | /          | /           | /           | /      |

Band38\_10MHz\_QPSK\_LCH\_2575MHz\_RB\_1\_0\_NTNV

