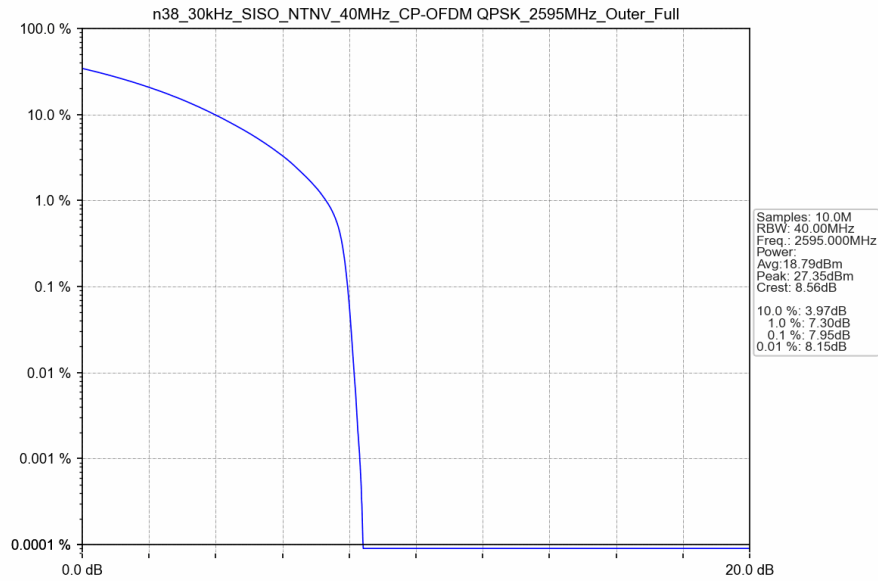


n38\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_2595MHz\_Outer\_Full\_Ant4



## 5. Spurious Emission

### 5.1 Test Result

#### 5.1.1 30\_S\_20M\_NTNV

| 5G NR n38 SCS=30kHz SISO 20MHz NTN |                 |               |                     |                     |     |       |         |
|------------------------------------|-----------------|---------------|---------------------|---------------------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation | Spurious Emission   |                     |     |       | Verdict |
|                                    |                 |               | Ant4                | Ant2                | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK               | 2580            | Edge_1RB_Left | Refer To Test Graph |                     |     |       | Pass    |
|                                    |                 | Outer_Full    | Refer To Test Graph |                     |     |       | Pass    |
|                                    | 2595            | Edge_1RB_Left | Refer To Test Graph |                     |     |       | Pass    |
|                                    |                 | 2610          | Edge_1RB_Right      | Refer To Test Graph |     |       |         |
|                                    | Outer_Full      |               | Refer To Test Graph |                     |     |       | Pass    |
|                                    | DFT-s-OFDM QPSK | 2580          | Edge_1RB_Left       | Refer To Test Graph |     |       |         |
| Outer_Full                         |                 |               | Refer To Test Graph |                     |     |       | Pass    |
| 2595                               |                 | Edge_1RB_Left | Refer To Test Graph |                     |     |       | Pass    |
|                                    |                 | 2610          | Edge_1RB_Right      | Refer To Test Graph |     |       |         |
| Outer_Full                         |                 |               | Refer To Test Graph |                     |     |       | Pass    |
| CP-OFDM QPSK                       |                 | 2580          | Edge_1RB_Left       | Refer To Test Graph |     |       |         |
|                                    | Outer_Full      |               | Refer To Test Graph |                     |     |       | Pass    |
|                                    | 2595            | Edge_1RB_Left | Refer To Test Graph |                     |     |       | Pass    |
|                                    |                 | 2610          | Edge_1RB_Right      | Refer To Test Graph |     |       |         |
|                                    | Outer_Full      |               | Refer To Test Graph |                     |     |       | Pass    |

#### 5.1.2 30\_S\_30M\_NTNV

| 5G NR n38 SCS=30kHz SISO 30MHz NTN |                 |               |                     |                     |     |       |         |
|------------------------------------|-----------------|---------------|---------------------|---------------------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation | Spurious Emission   |                     |     |       | Verdict |
|                                    |                 |               | Ant4                | Ant2                | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK               | 2585            | Edge_1RB_Left | Refer To Test Graph |                     |     |       | Pass    |
|                                    |                 | Outer_Full    | Refer To Test Graph |                     |     |       | Pass    |
|                                    | 2595            | Edge_1RB_Left | Refer To Test Graph |                     |     |       | Pass    |
|                                    |                 | 2605          | Edge_1RB_Right      | Refer To Test Graph |     |       |         |
|                                    | Outer_Full      |               | Refer To Test Graph |                     |     |       | Pass    |
|                                    | DFT-s-OFDM QPSK | 2585          | Edge_1RB_Left       | Refer To Test Graph |     |       |         |
| Outer_Full                         |                 |               | Refer To Test Graph |                     |     |       | Pass    |
| 2595                               |                 | Edge_1RB_Left | Refer To Test Graph |                     |     |       | Pass    |
|                                    |                 | 2605          | Edge_1RB_Right      | Refer To Test Graph |     |       |         |
| Outer_Full                         |                 |               | Refer To Test Graph |                     |     |       | Pass    |
| CP-OFDM QPSK                       |                 | 2585          | Edge_1RB_Left       | Refer To Test Graph |     |       |         |
|                                    | Outer_Full      |               | Refer To Test Graph |                     |     |       | Pass    |
|                                    | 2595            | Edge_1RB_Left | Refer To Test Graph |                     |     |       | Pass    |
|                                    |                 | 2605          | Edge_1RB_Right      | Refer To Test Graph |     |       |         |
|                                    | Outer_Full      |               | Refer To Test Graph |                     |     |       | Pass    |



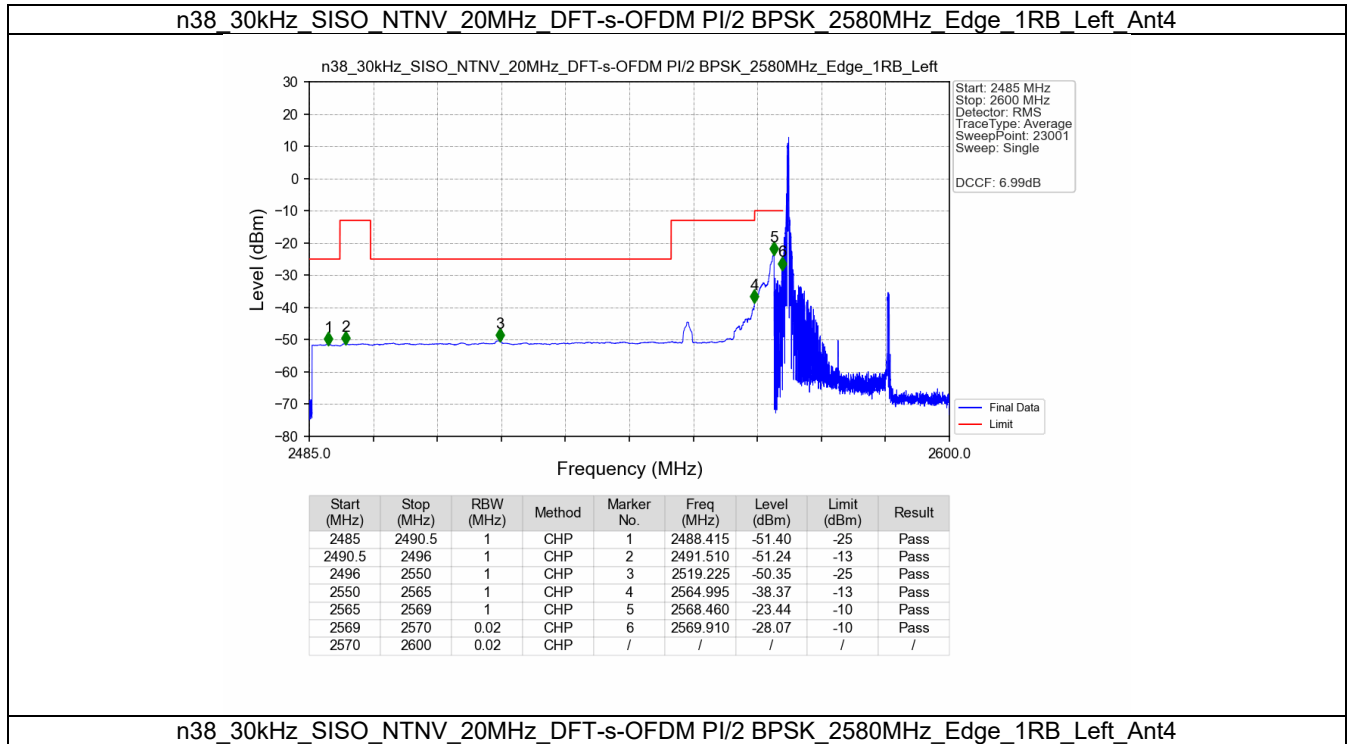
Report No.: SUCR260400031710  
Page: 36 of 84

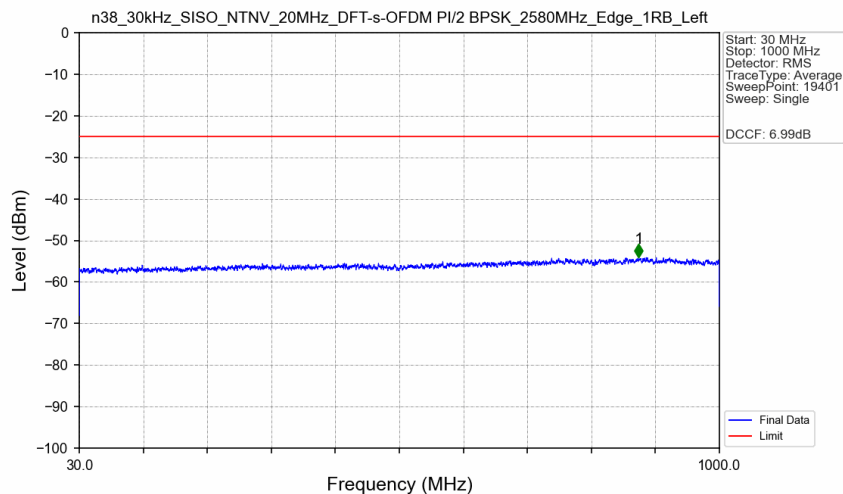
### 5.1.3 30\_S\_40M\_NTNV

| 5G NR n38 SCS=30kHz SISO 40MHz NTN |                 |               |                     |                     |                     |       |         |      |
|------------------------------------|-----------------|---------------|---------------------|---------------------|---------------------|-------|---------|------|
| Modulation                         | Frequency (MHz) | RB Allocation | Spurious Emission   |                     |                     |       | Verdict |      |
|                                    |                 |               | Ant4                | Ant2                | Sum                 | Limit |         |      |
| DFT-s-OFDM PI/2 BPSK               | 2590            | Edge_1RB_Left | Refer To Test Graph |                     |                     |       | Pass    |      |
|                                    |                 | Outer_Full    | Refer To Test Graph |                     |                     |       | Pass    |      |
|                                    | 2595            | Edge_1RB_Left | Refer To Test Graph |                     |                     |       | Pass    |      |
|                                    |                 | 2600          | Edge_1RB_Right      | Refer To Test Graph |                     |       |         | Pass |
|                                    |                 |               | Outer_Full          | Refer To Test Graph |                     |       |         | Pass |
|                                    |                 |               |                     | Outer_Full          | Refer To Test Graph |       |         |      |
| DFT-s-OFDM QPSK                    | 2590            | Edge_1RB_Left | Refer To Test Graph |                     |                     |       | Pass    |      |
|                                    |                 | Outer_Full    | Refer To Test Graph |                     |                     |       | Pass    |      |
|                                    | 2595            | Edge_1RB_Left | Refer To Test Graph |                     |                     |       | Pass    |      |
|                                    |                 | 2600          | Edge_1RB_Right      | Refer To Test Graph |                     |       |         | Pass |
|                                    | Outer_Full      |               | Refer To Test Graph |                     |                     |       | Pass    |      |
|                                    |                 |               | Outer_Full          | Refer To Test Graph |                     |       |         | Pass |
| CP-OFDM QPSK                       | 2590            | Edge_1RB_Left | Refer To Test Graph |                     |                     |       | Pass    |      |
|                                    |                 | Outer_Full    | Refer To Test Graph |                     |                     |       | Pass    |      |
|                                    | 2595            | Edge_1RB_Left | Refer To Test Graph |                     |                     |       | Pass    |      |
|                                    |                 | 2600          | Edge_1RB_Right      | Refer To Test Graph |                     |       |         | Pass |
|                                    | Outer_Full      |               | Refer To Test Graph |                     |                     |       | Pass    |      |
|                                    |                 |               | Outer_Full          | Refer To Test Graph |                     |       |         | Pass |

## 5.2 Test Graph

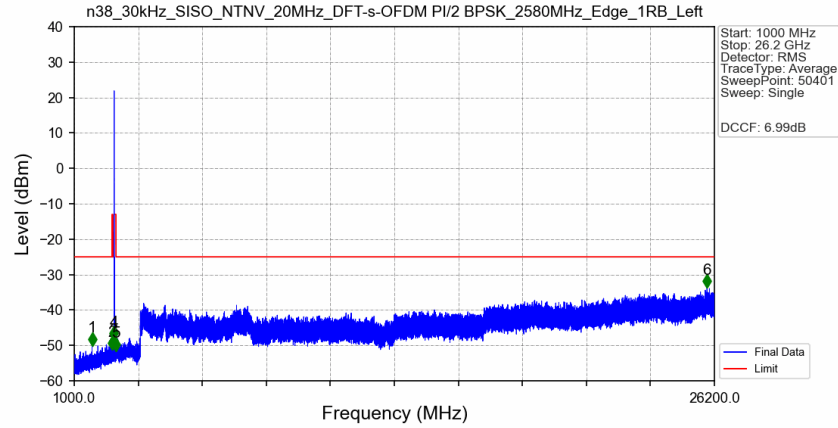
### 5.2.1 30\_S\_20M\_NTNV





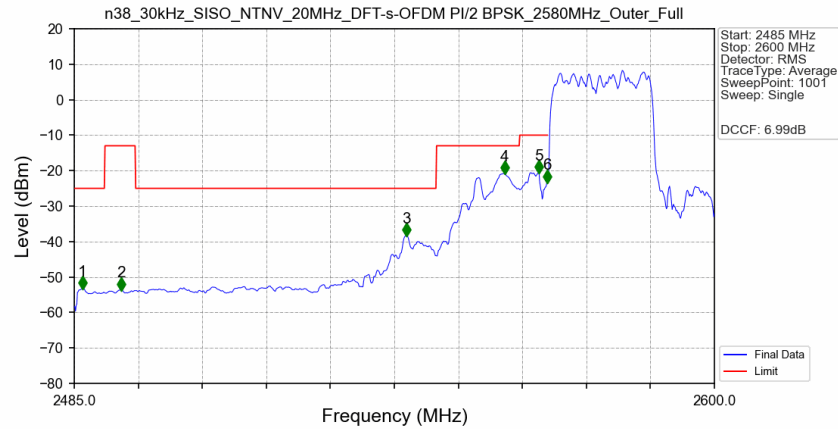
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 30          | 1000       | 1         | CHP    | 1          | 877.800    | -54.13      | -25         | Pass   |

## n38\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_2580MHz\_Edge\_1RB\_Left\_Ant4



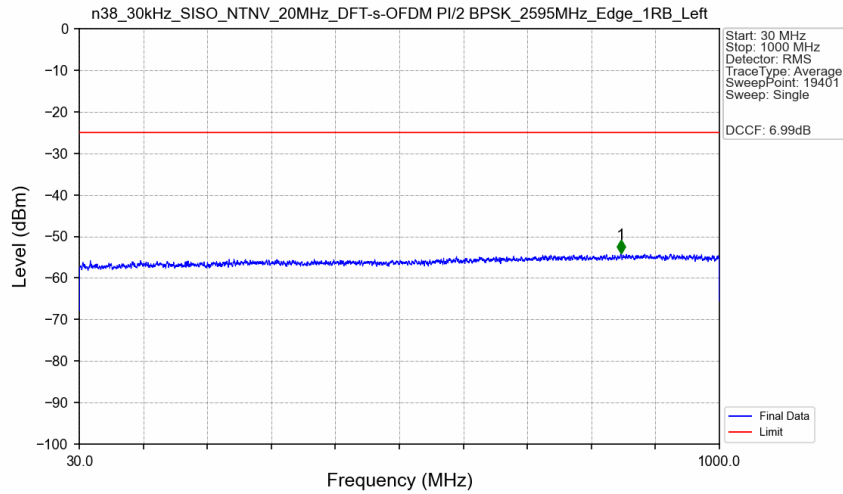
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1000        | 2490.5     | 1         | /      | 1          | 1700.000   | -49.75      | -25         | Pass   |
| 2490.5      | 2496       | 1         | /      | 2          | 2493.000   | -50.99      | -13         | Pass   |
| 2496        | 2550       | 1         | /      | 3          | 2538.500   | -50.23      | -25         | Pass   |
| 2550        | 2565       | 1         | /      | 4          | 2553.000   | -48.10      | -13         | Pass   |
| 2565        | 2625       | 1         | /      | /          | /          | /           | /           | /      |
| 2625        | 2640       | 1         | /      | 5          | 2638.500   | -51.24      | -13         | Pass   |
| 2640        | 26200      | 1         | /      | 6          | 25909.000  | -33.48      | -25         | Pass   |

## n38\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_2580MHz\_Outer\_Full\_Ant4

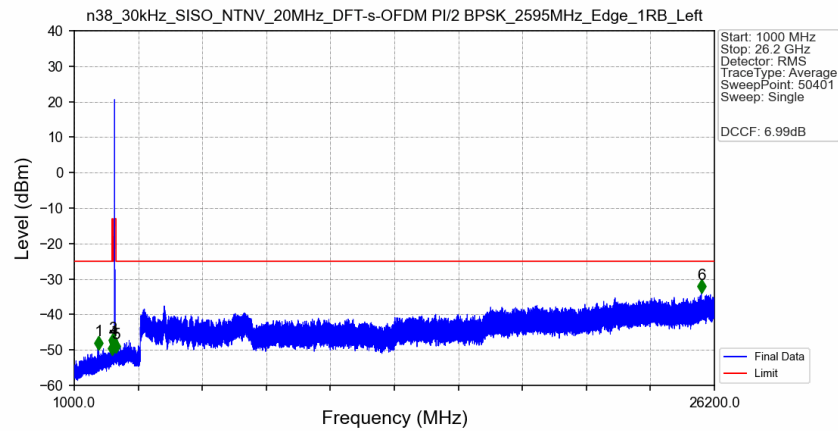


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2486.495   | -53.13      | -25         | Pass   |
| 2490.5      | 2496       | 1         | CHP    | 2          | 2493.395   | -53.49      | -13         | Pass   |
| 2496        | 2550       | 1         | CHP    | 3          | 2544.685   | -38.31      | -25         | Pass   |
| 2550        | 2565       | 1         | CHP    | 4          | 2562.280   | -20.73      | -13         | Pass   |
| 2565        | 2569       | 1         | CHP    | 5          | 2568.490   | -20.45      | -10         | Pass   |
| 2569        | 2570       | 0.389     | CHP    | 6          | 2569.985   | -23.20      | -10         | Pass   |
| 2570        | 2600       | 0.389     | CHP    | /          | /          | /           | /           | /      |

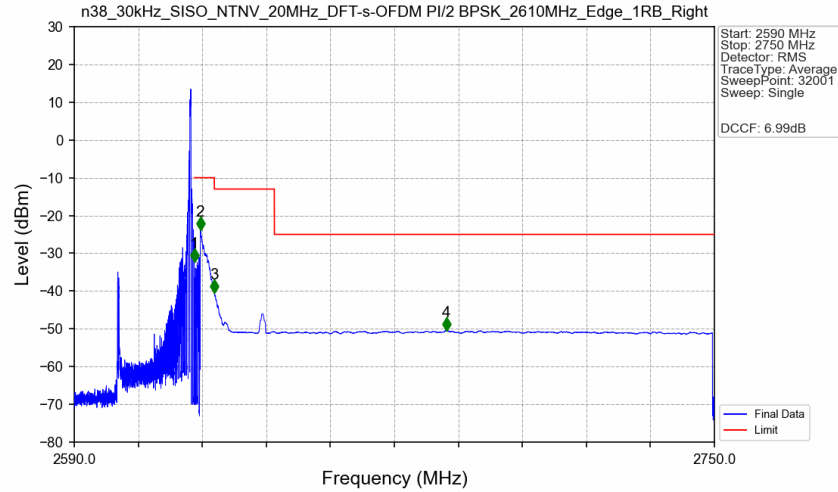
## n38\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_2595MHz\_Edge\_1RB\_Left\_Ant4



## n38\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_2595MHz\_Edge\_1RB\_Left\_Ant4

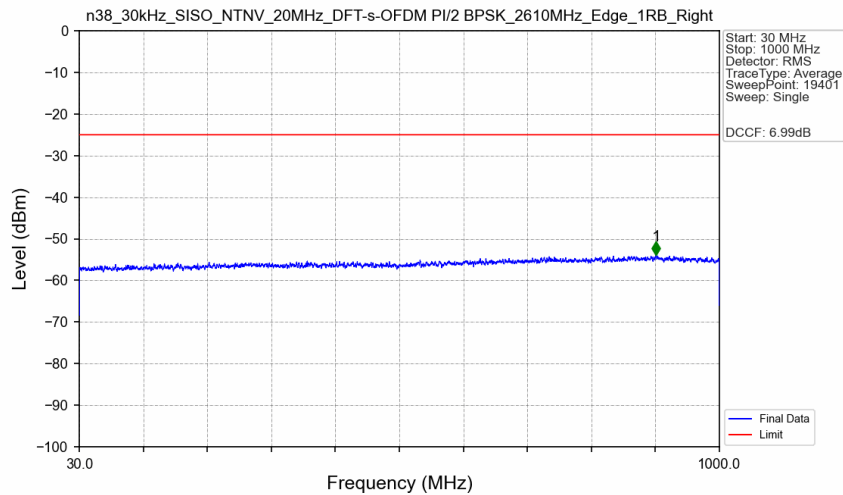


## n38\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_2610MHz\_Edge\_1RB\_Right\_Ant4



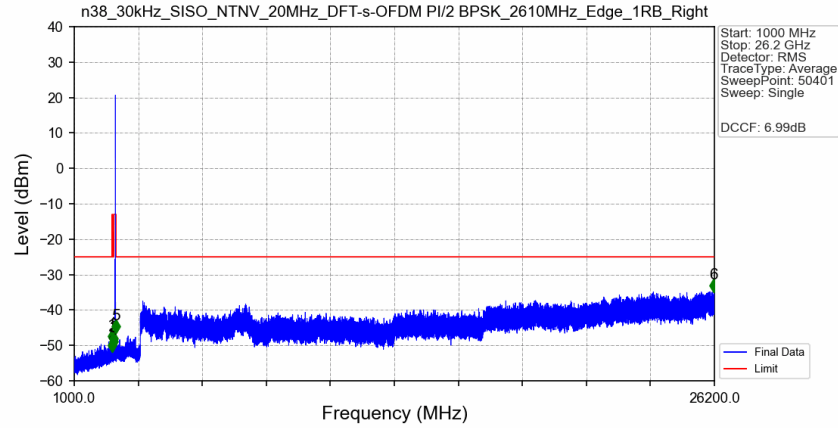
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2590        | 2620       | 0.02      | CHP    | /          | /          | /           | /           | /      |
| 2620        | 2621       | 0.02      | CHP    | 1          | 2620.005   | -32.29      | -10         | Pass   |
| 2621        | 2625       | 1         | CHP    | 2          | 2621.505   | -23.77      | -10         | Pass   |
| 2625        | 2640       | 1         | CHP    | 3          | 2625.060   | -40.40      | -13         | Pass   |
| 2640        | 2750       | 1         | CHP    | 4          | 2683.060   | -50.44      | -25         | Pass   |

## n38\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_2610MHz\_Edge\_1RB\_Right\_Ant4



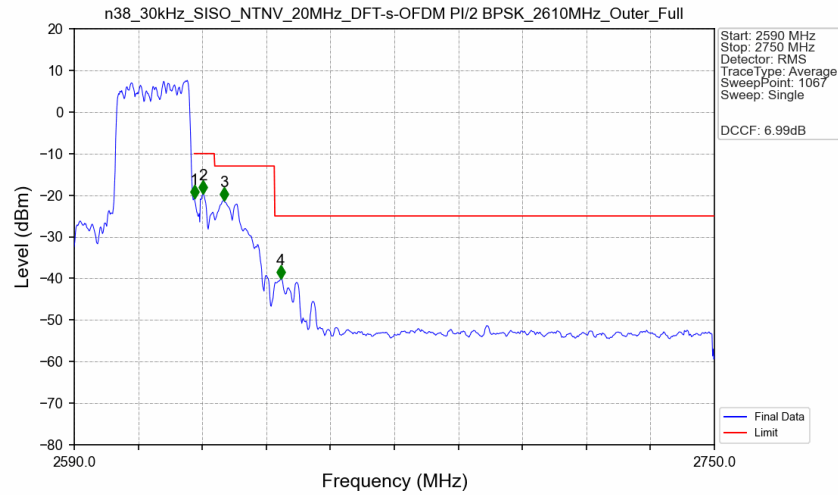
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 30          | 1000       | 1         | CHP    | 1          | 903.950    | -53.86      | -25         | Pass   |

## n38\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_2610MHz\_Edge\_1RB\_Right\_Ant4



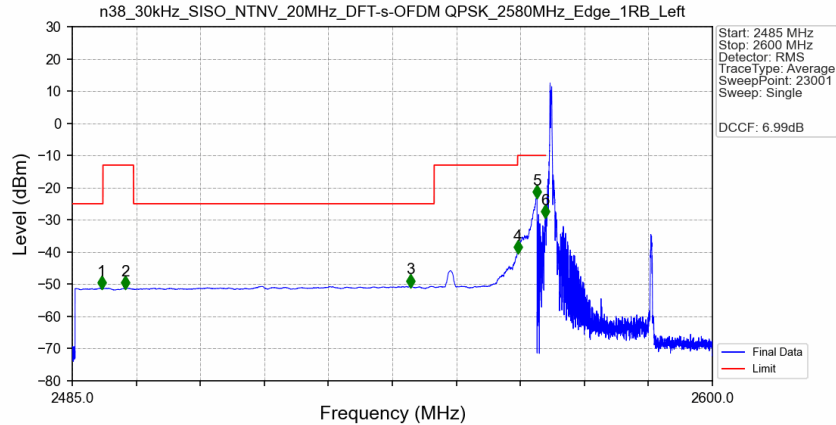
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1000        | 2490.5     | 1         | /      | 1          | 2476.000   | -48.92      | -25         | Pass   |
| 2490.5      | 2496       | 1         | /      | 2          | 2491.500   | -51.58      | -13         | Pass   |
| 2496        | 2550       | 1         | /      | 3          | 2541.000   | -49.72      | -25         | Pass   |
| 2550        | 2565       | 1         | /      | 4          | 2558.500   | -50.36      | -13         | Pass   |
| 2565        | 2625       | 1         | /      | /          | /          | /           | /           | /      |
| 2625        | 2640       | 1         | /      | 5          | 2637.500   | -46.19      | -13         | Pass   |
| 2640        | 26200      | 1         | /      | 6          | 26180.500  | -34.66      | -25         | Pass   |

## n38\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_2610MHz\_Outer\_Full\_Ant4



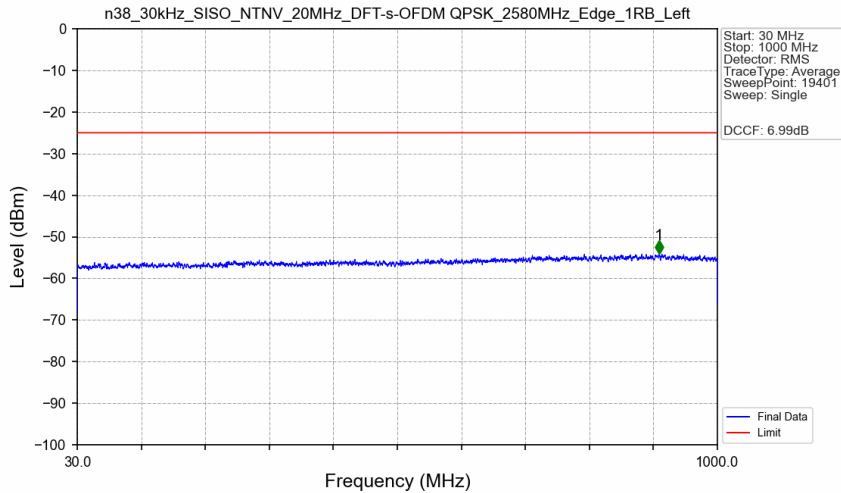
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2590        | 2620       | 0.389     | CHP    | /          | /          | /           | /           | /      |
| 2620        | 2621       | 0.389     | CHP    | 1          | 2620.019   | -20.77      | -10         | Pass   |
| 2621        | 2625       | 1         | CHP    | 2          | 2622.120   | -19.67      | -10         | Pass   |
| 2625        | 2640       | 1         | CHP    | 3          | 2627.373   | -21.27      | -13         | Pass   |
| 2640        | 2750       | 1         | CHP    | 4          | 2641.632   | -40.08      | -25         | Pass   |

n38\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_2580MHz\_Edge\_1RB\_Left\_Ant4



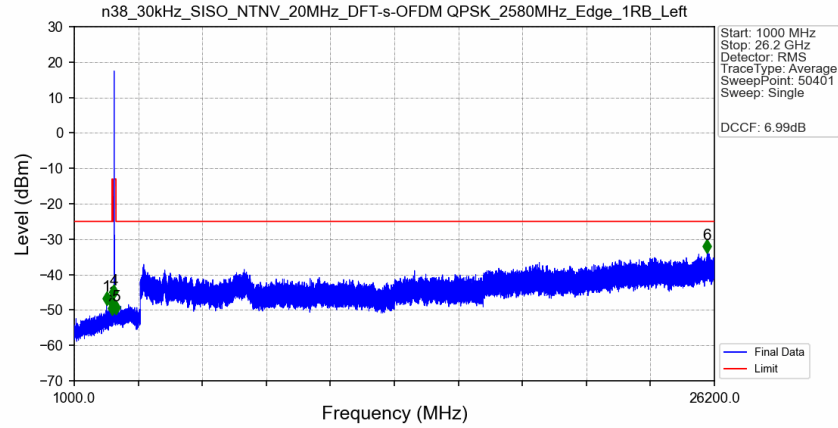
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2490.285   | -51.18      | -25         | Pass   |
| 2490.5      | 2496       | 1         | CHP    | 2          | 2494.525   | -51.18      | -13         | Pass   |
| 2496        | 2550       | 1         | CHP    | 3          | 2545.705   | -50.65      | -25         | Pass   |
| 2550        | 2565       | 1         | CHP    | 4          | 2565.000   | -40.17      | -13         | Pass   |
| 2565        | 2569       | 1         | CHP    | 5          | 2568.500   | -22.97      | -10         | Pass   |
| 2569        | 2570       | 0.02      | CHP    | 6          | 2569.995   | -29.18      | -10         | Pass   |
| 2570        | 2600       | 0.02      | CHP    | /          | /          | /           | /           | /      |

n38\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_2580MHz\_Edge\_1RB\_Left\_Ant4



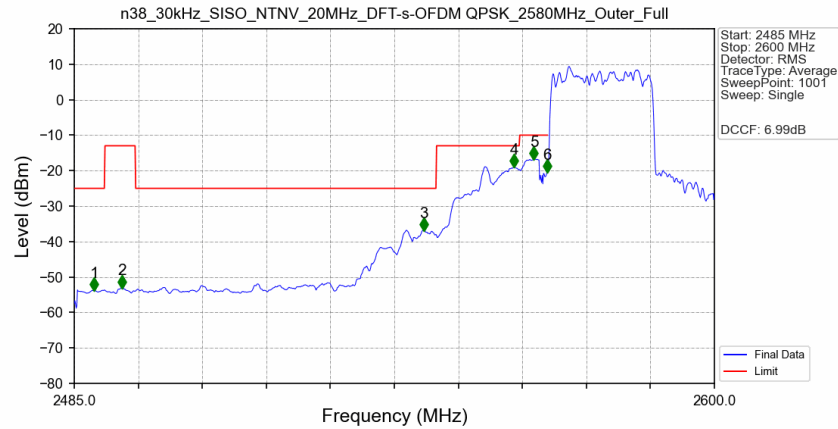
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 30          | 1000       | 1         | CHP    | 1          | 911.350    | -54.08      | -25         | Pass   |

## n38\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_2580MHz\_Edge\_1RB\_Left\_Ant4



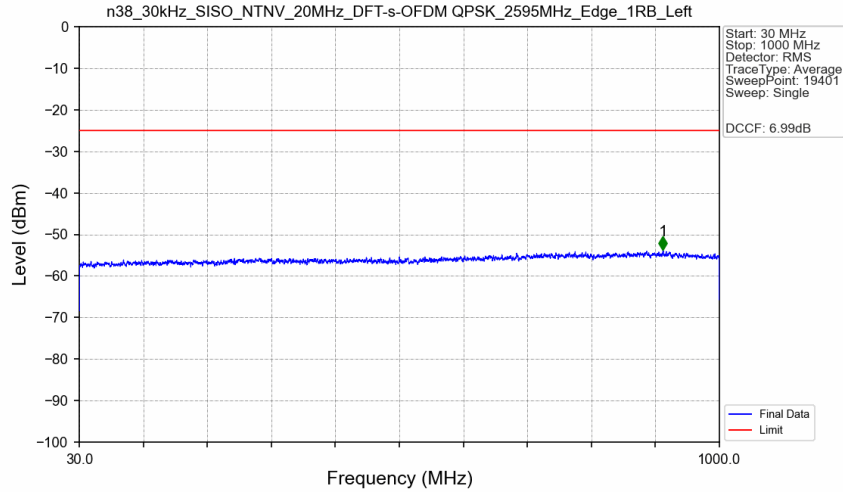
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1000        | 2490.5     | 1         | /      | 1          | 2269.500   | -48.22      | -25         | Pass   |
| 2490.5      | 2496       | 1         | /      | 2          | 2491.000   | -50.97      | -13         | Pass   |
| 2496        | 2550       | 1         | /      | 3          | 2504.500   | -49.81      | -25         | Pass   |
| 2550        | 2565       | 1         | /      | 4          | 2561.500   | -46.46      | -13         | Pass   |
| 2565        | 2625       | 1         | /      | /          | /          | /           | /           | /      |
| 2625        | 2640       | 1         | /      | 5          | 2634.500   | -50.83      | -13         | Pass   |
| 2640        | 26200      | 1         | /      | 6          | 25915.500  | -33.52      | -25         | Pass   |

## n38\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_2580MHz\_Outer\_Full\_Ant4



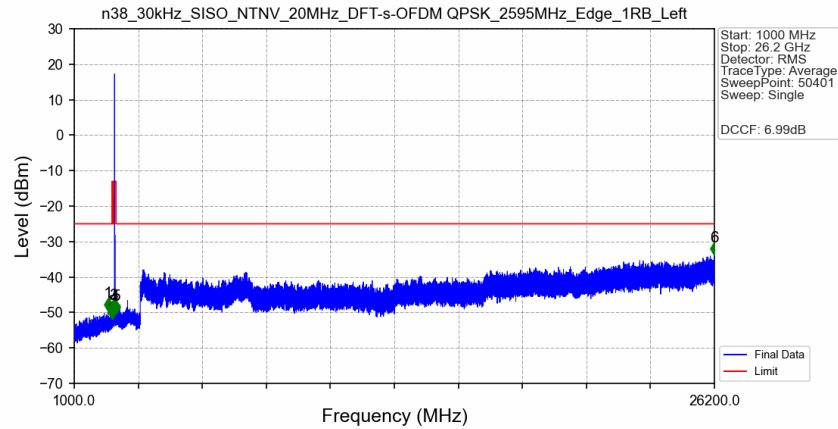
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2488.565   | -53.65      | -25         | Pass   |
| 2490.5      | 2496       | 1         | CHP    | 2          | 2493.625   | -52.86      | -13         | Pass   |
| 2496        | 2550       | 1         | CHP    | 3          | 2547.790   | -36.74      | -25         | Pass   |
| 2550        | 2565       | 1         | CHP    | 4          | 2564.005   | -18.77      | -13         | Pass   |
| 2565        | 2569       | 1         | CHP    | 5          | 2567.570   | -16.72      | -10         | Pass   |
| 2569        | 2570       | 0.389     | CHP    | 6          | 2569.985   | -20.36      | -10         | Pass   |
| 2570        | 2600       | 0.389     | CHP    | /          | /          | /           | /           | /      |

## n38\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_2595MHz\_Edge\_1RB\_Left\_Ant4



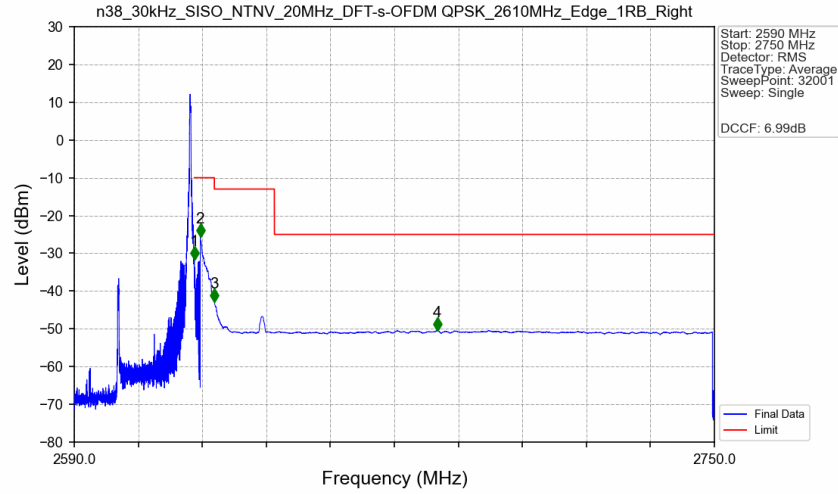
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 30          | 1000       | 1         | CHP    | 1          | 914.500    | -53.72      | -25         | Pass   |

## n38\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_2595MHz\_Edge\_1RB\_Left\_Ant4



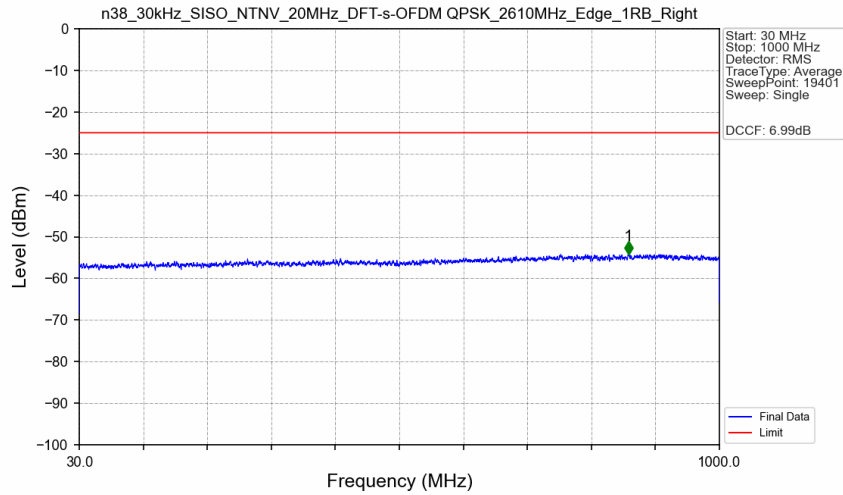
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1000        | 2490.5     | 1         | /      | 1          | 2328.000   | -49.29      | -25         | Pass   |
| 2490.5      | 2496       | 1         | /      | 2          | 2495.500   | -51.58      | -13         | Pass   |
| 2496        | 2550       | 1         | /      | 3          | 2544.000   | -49.76      | -25         | Pass   |
| 2550        | 2565       | 1         | /      | 4          | 2553.000   | -50.53      | -13         | Pass   |
| 2565        | 2625       | 1         | /      | /          | /          | /           | /           | /      |
| 2625        | 2640       | 1         | /      | 5          | 2634.500   | -50.04      | -13         | Pass   |
| 2640        | 26200      | 1         | /      | 6          | 26192.000  | -33.60      | -25         | Pass   |

n38\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM QPSK\_2610MHz\_Edge\_1RB\_Right\_Ant4



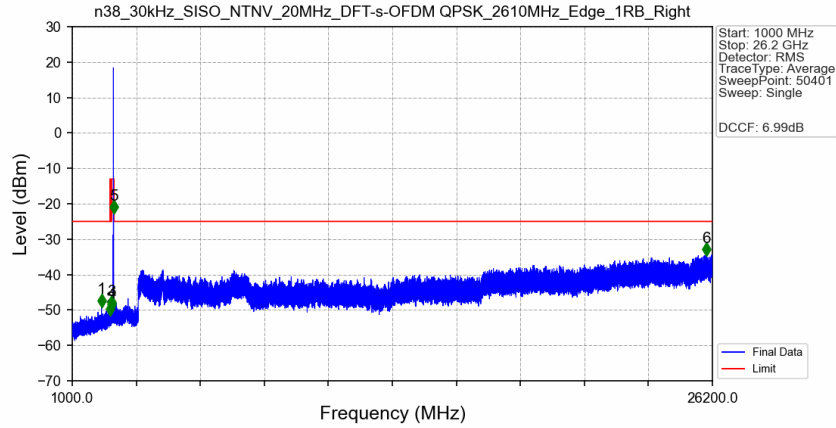
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2590        | 2620       | 0.02      | CHP    | /          | /          | /           | /           | /      |
| 2620        | 2621       | 0.02      | CHP    | 1          | 2620.005   | -31.67      | -10         | Pass   |
| 2621        | 2625       | 1         | CHP    | 2          | 2621.500   | -25.64      | -10         | Pass   |
| 2625        | 2640       | 1         | CHP    | 3          | 2625.050   | -42.83      | -13         | Pass   |
| 2640        | 2750       | 1         | CHP    | 4          | 2680.770   | -50.44      | -25         | Pass   |

n38\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM QPSK\_2610MHz\_Edge\_1RB\_Right\_Ant4



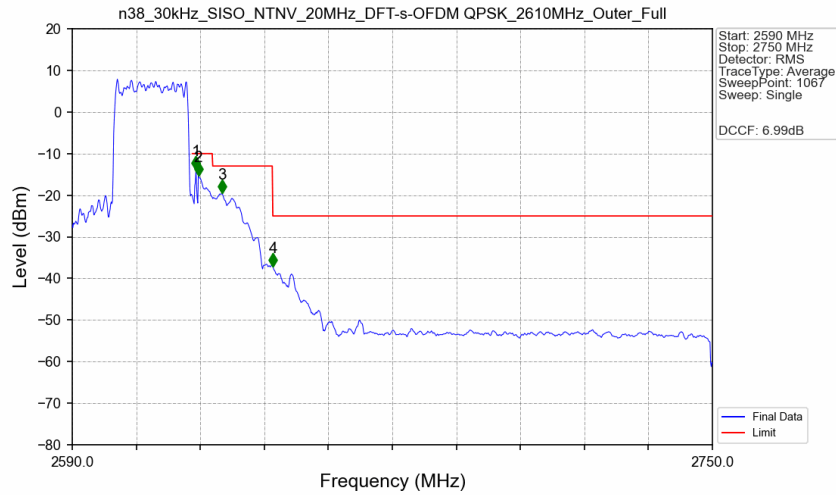
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 30          | 1000       | 1         | CHP    | 1          | 861.900    | -54.18      | -25         | Pass   |

## n38\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM QPSK\_2610MHz\_Edge\_1RB\_Right\_Ant4



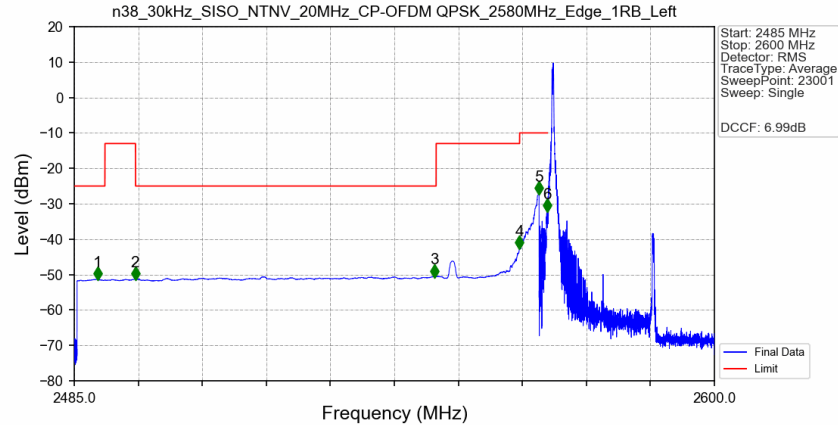
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1000        | 2490.5     | 1         | /      | 1          | 2149.500   | -48.86      | -25         | Pass   |
| 2490.5      | 2496       | 1         | /      | 2          | 2496.000   | -51.34      | -13         | Pass   |
| 2496        | 2550       | 1         | /      | 3          | 2547.500   | -49.38      | -25         | Pass   |
| 2550        | 2565       | 1         | /      | 4          | 2557.500   | -50.07      | -13         | Pass   |
| 2565        | 2625       | 1         | /      | /          | /          | /           | /           | /      |
| 2625        | 2640       | 1         | /      | 5          | 2626.500   | -22.42      | -13         | Pass   |
| 2640        | 26200      | 1         | /      | 6          | 25958.500  | -34.47      | -25         | Pass   |

## n38\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM QPSK\_2610MHz\_Outer\_Full\_Ant4



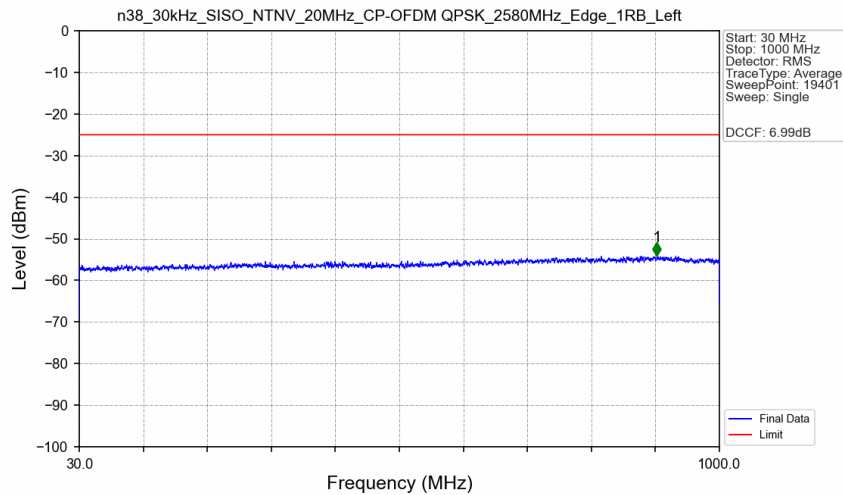
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2590        | 2620       | 0.389     | CHP    | /          | /          | /           | /           | /      |
| 2620        | 2621       | 0.389     | CHP    | 1          | 2620.919   | -13.82      | -10         | Pass   |
| 2621        | 2625       | 1         | CHP    | 2          | 2621.520   | -15.35      | -10         | Pass   |
| 2625        | 2640       | 1         | CHP    | 3          | 2627.373   | -19.55      | -13         | Pass   |
| 2640        | 2750       | 1         | CHP    | 4          | 2640.131   | -37.15      | -25         | Pass   |

n38\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_2580MHz\_Edge\_1RB\_Left\_Ant4



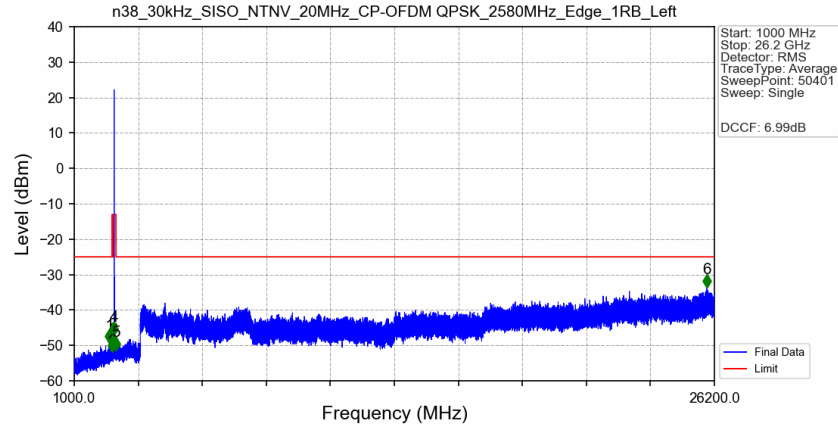
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2489.205   | -51.33      | -25         | Pass   |
| 2490.5      | 2496       | 1         | CHP    | 2          | 2495.965   | -51.21      | -13         | Pass   |
| 2496        | 2550       | 1         | CHP    | 3          | 2549.655   | -50.53      | -25         | Pass   |
| 2550        | 2565       | 1         | CHP    | 4          | 2564.985   | -42.48      | -13         | Pass   |
| 2565        | 2569       | 1         | CHP    | 5          | 2568.450   | -27.13      | -10         | Pass   |
| 2569        | 2570       | 0.02      | CHP    | 6          | 2569.980   | -32.00      | -10         | Pass   |
| 2570        | 2600       | 0.02      | CHP    | /          | /          | /           | /           | /      |

n38\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_2580MHz\_Edge\_1RB\_Left\_Ant4



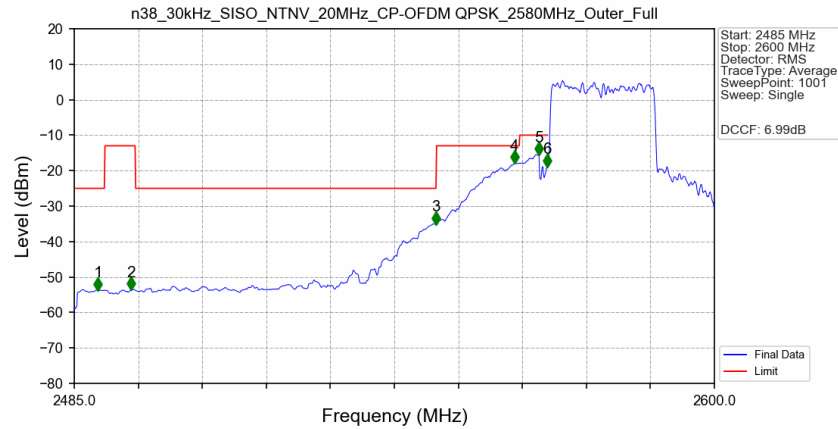
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 30          | 1000       | 1         | CHP    | 1          | 905.400    | -54.12      | -25         | Pass   |

## n38\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_2580MHz\_Edge\_1RB\_Left\_Ant4



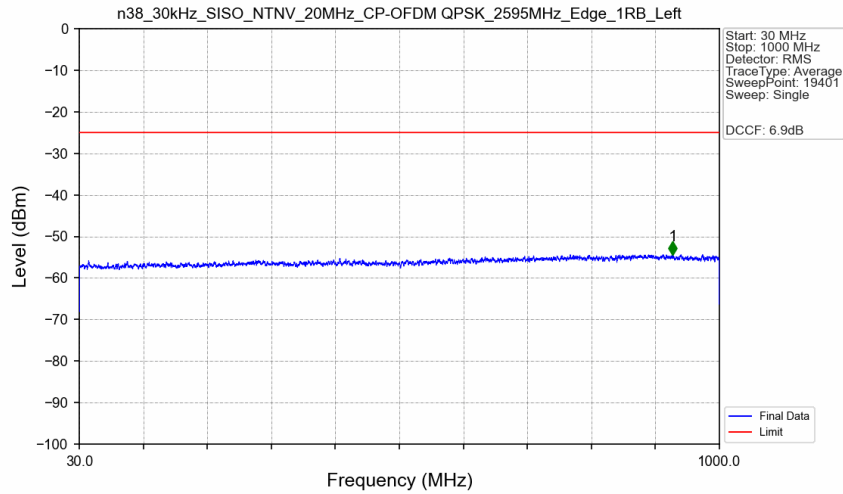
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1000        | 2490.5     | 1         | /      | 1          | 2383.500   | -48.97      | -25         | Pass   |
| 2490.5      | 2496       | 1         | /      | 2          | 2496.000   | -51.48      | -13         | Pass   |
| 2496        | 2550       | 1         | /      | 3          | 2546.000   | -50.05      | -25         | Pass   |
| 2550        | 2565       | 1         | /      | 4          | 2553.500   | -46.76      | -13         | Pass   |
| 2565        | 2625       | 1         | /      | /          | /          | /           | /           | /      |
| 2625        | 2640       | 1         | /      | 5          | 2633.500   | -51.04      | -13         | Pass   |
| 2640        | 26200      | 1         | /      | 6          | 25897.500  | -33.33      | -25         | Pass   |

## n38\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_2580MHz\_Outer\_Full\_Ant4

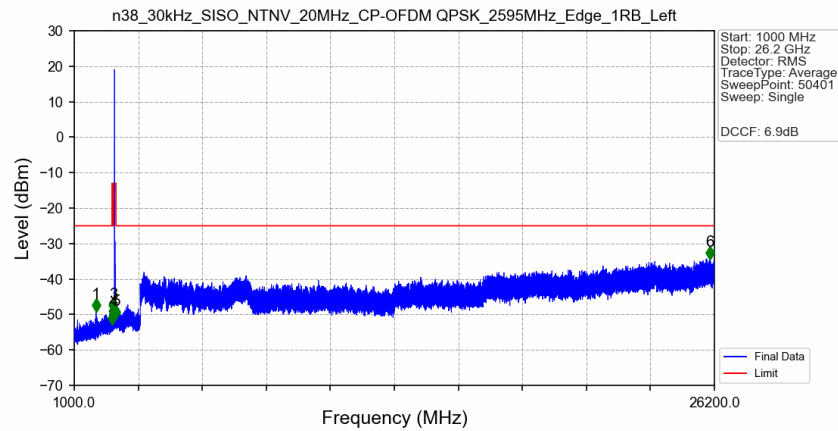


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2489.255   | -53.49      | -25         | Pass   |
| 2490.5      | 2496       | 1         | CHP    | 2          | 2495.235   | -53.46      | -13         | Pass   |
| 2496        | 2550       | 1         | CHP    | 3          | 2549.975   | -34.90      | -25         | Pass   |
| 2550        | 2565       | 1         | CHP    | 4          | 2564.120   | -17.79      | -13         | Pass   |
| 2565        | 2569       | 1         | CHP    | 5          | 2568.490   | -15.44      | -10         | Pass   |
| 2569        | 2570       | 0.389     | CHP    | 6          | 2569.985   | -18.71      | -10         | Pass   |
| 2570        | 2600       | 0.389     | CHP    | /          | /          | /           | /           | /      |

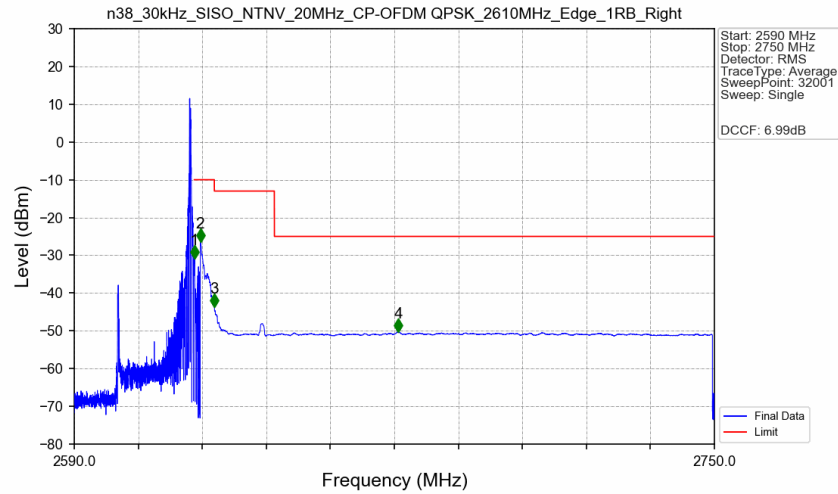
## n38\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_2595MHz\_Edge\_1RB\_Left\_Ant4



## n38\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_2595MHz\_Edge\_1RB\_Left\_Ant4

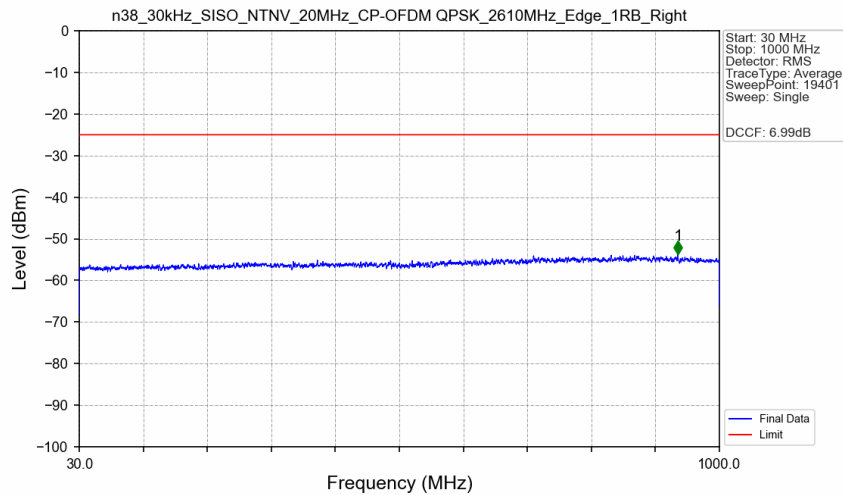


n38\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_2610MHz\_Edge\_1RB\_Right\_Ant4



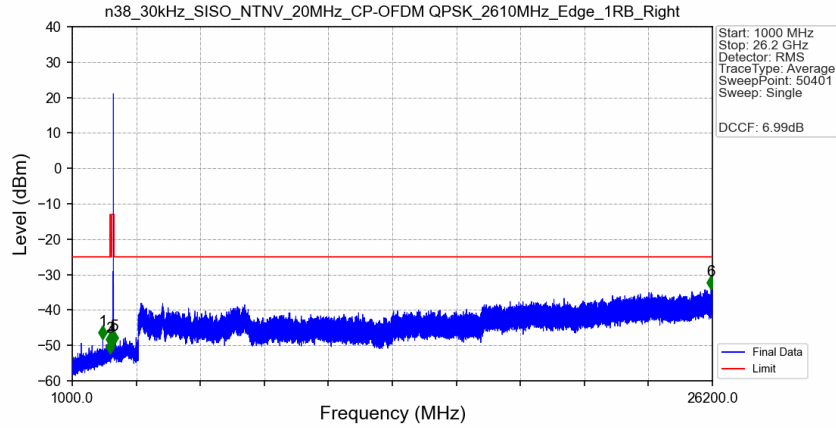
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2590        | 2620       | 0.02      | CHP    | /          | /          | /           | /           | /      |
| 2620        | 2621       | 0.02      | CHP    | 1          | 2620.055   | -30.83      | -10         | Pass   |
| 2621        | 2625       | 1         | CHP    | 2          | 2621.520   | -26.35      | -10         | Pass   |
| 2625        | 2640       | 1         | CHP    | 3          | 2625.005   | -43.62      | -13         | Pass   |
| 2640        | 2750       | 1         | CHP    | 4          | 2670.970   | -50.31      | -25         | Pass   |

n38\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_2610MHz\_Edge\_1RB\_Right\_Ant4



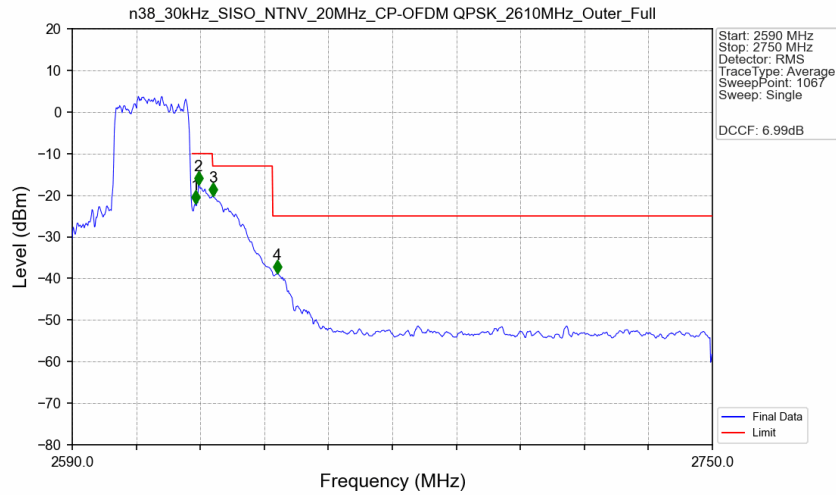
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 30          | 1000       | 1         | CHP    | 1          | 937.050    | -53.75      | -25         | Pass   |

## n38\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM QPSK\_2610MHz\_Edge\_1RB\_Right\_Ant4



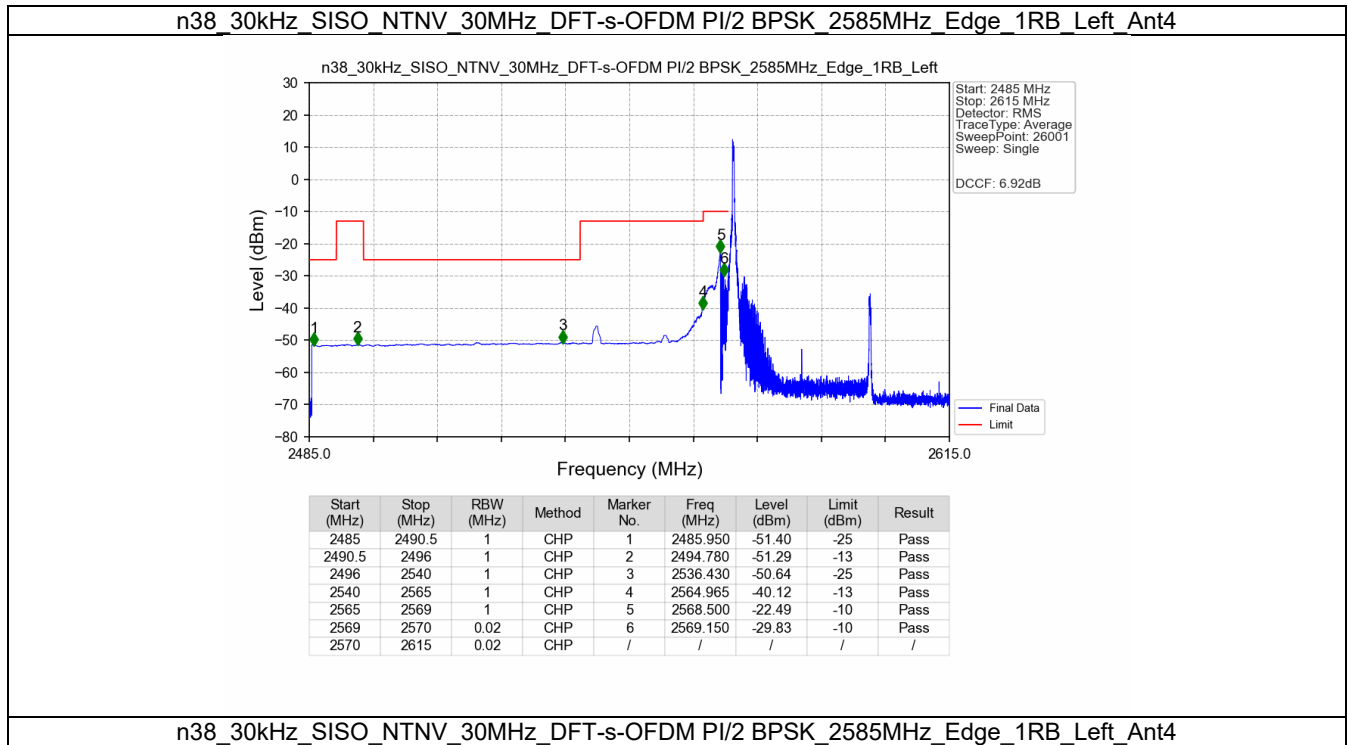
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1000        | 2490.5     | 1         | /      | 1          | 2203.500   | -47.94      | -25         | Pass   |
| 2490.5      | 2496       | 1         | /      | 2          | 2492.500   | -52.00      | -13         | Pass   |
| 2496        | 2550       | 1         | /      | 3          | 2500.000   | -49.92      | -25         | Pass   |
| 2550        | 2565       | 1         | /      | 4          | 2552.500   | -50.17      | -13         | Pass   |
| 2565        | 2625       | 1         | /      | /          | /          | /           | /           | /      |
| 2625        | 2640       | 1         | /      | 5          | 2636.500   | -49.33      | -13         | Pass   |
| 2640        | 26200      | 1         | /      | 6          | 26146.000  | -33.81      | -25         | Pass   |

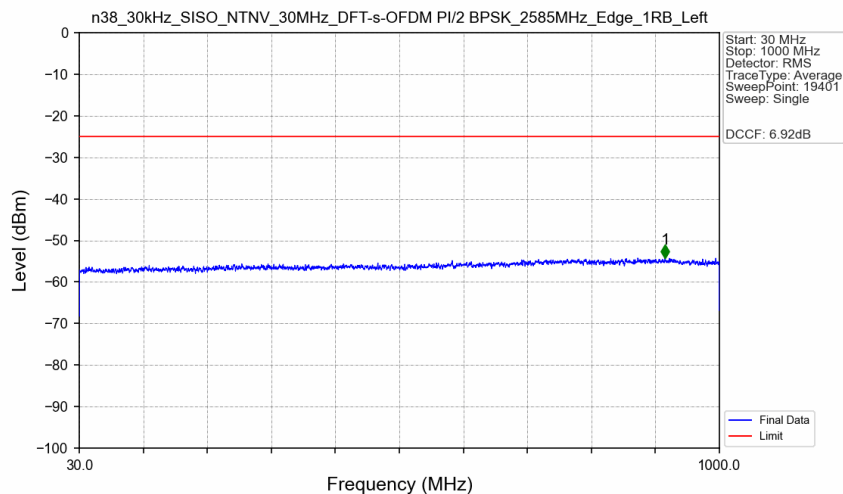
## n38\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM QPSK\_2610MHz\_Outer\_Full\_Ant4



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2590        | 2620       | 0.389     | CHP    | /          | /          | /           | /           | /      |
| 2620        | 2621       | 0.389     | CHP    | 1          | 2620.769   | -21.99      | -10         | Pass   |
| 2621        | 2625       | 1         | CHP    | 2          | 2621.520   | -17.45      | -10         | Pass   |
| 2625        | 2640       | 1         | CHP    | 3          | 2625.122   | -20.26      | -13         | Pass   |
| 2640        | 2750       | 1         | CHP    | 4          | 2641.182   | -38.76      | -25         | Pass   |

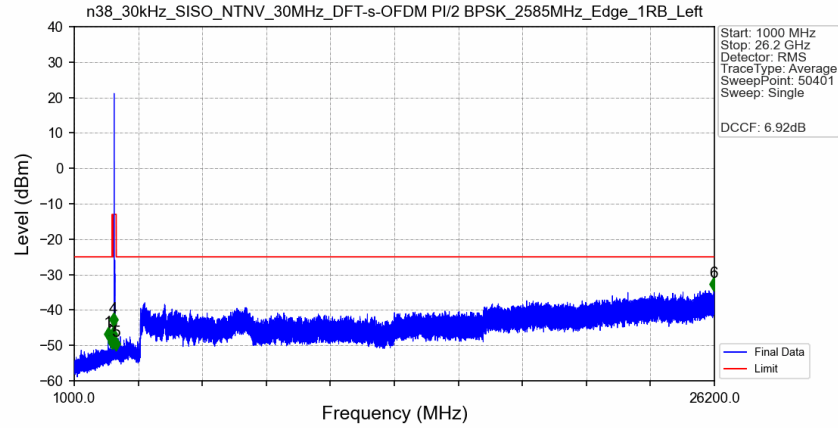
## 5.2.2 30\_S\_30M\_NTNV





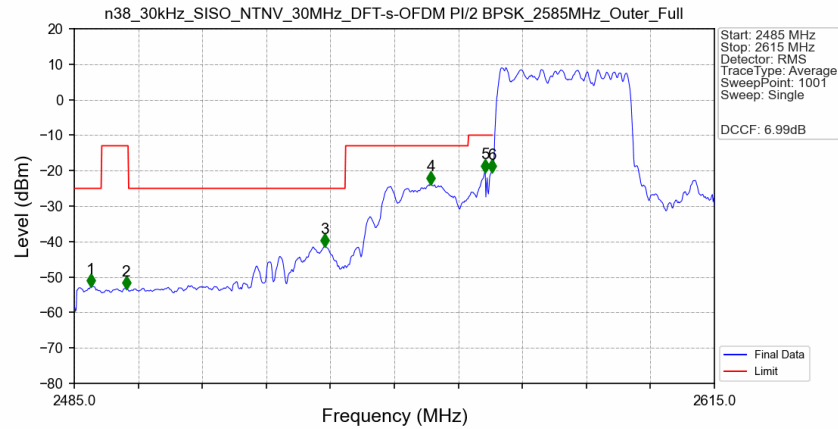
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 30          | 1000       | 1         | CHP    | 1          | 917.800    | -54.17      | -25         | Pass   |

## n38\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM PI/2 BPSK\_2585MHz\_Edge\_1RB\_Left\_Ant4



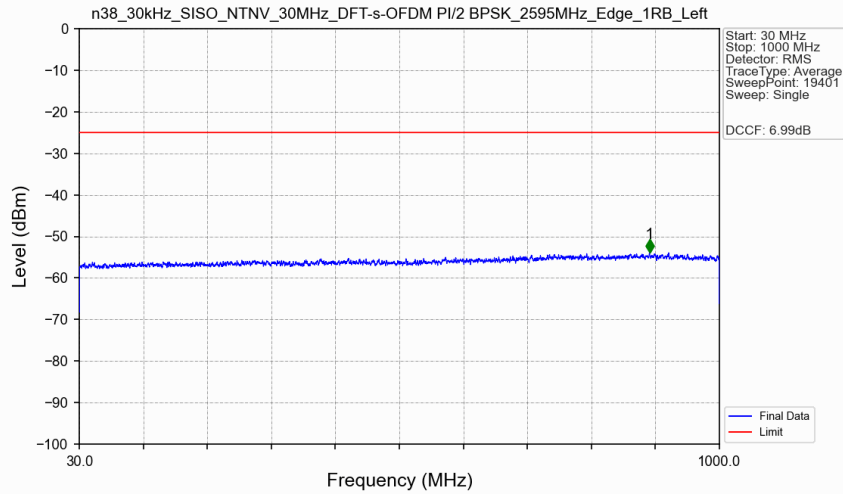
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1000        | 2490.5     | 1         | /      | 1          | 2332.000   | -48.27      | -25         | Pass   |
| 2490.5      | 2496       | 1         | /      | 2          | 2492.500   | -50.64      | -13         | Pass   |
| 2496        | 2540       | 1         | /      | 3          | 2504.500   | -48.28      | -25         | Pass   |
| 2540        | 2565       | 1         | /      | 4          | 2543.500   | -44.35      | -13         | Pass   |
| 2565        | 2625       | 1         | /      | /          | /          | /           | /           | /      |
| 2625        | 2650       | 1         | /      | 5          | 2629.000   | -51.04      | -13         | Pass   |
| 2650        | 26200      | 1         | /      | 6          | 26175.000  | -34.27      | -25         | Pass   |

## n38\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM PI/2 BPSK\_2585MHz\_Outer\_Full\_Ant4



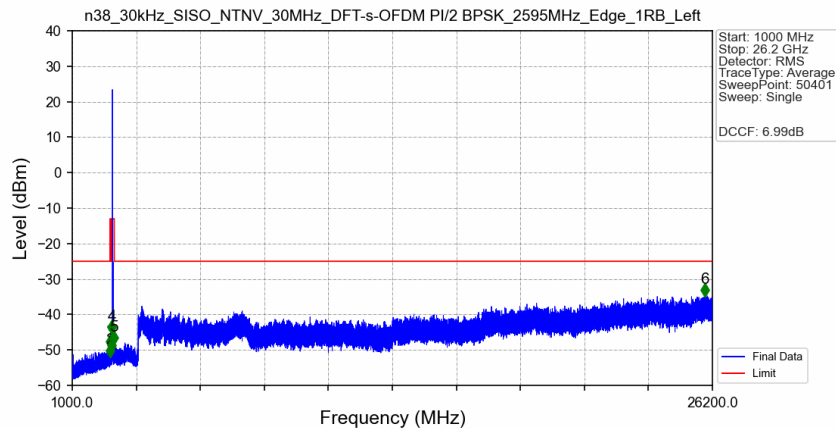
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2488.380   | -52.54      | -25         | Pass   |
| 2490.5      | 2496       | 1         | CHP    | 2          | 2495.530   | -53.18      | -13         | Pass   |
| 2496        | 2540       | 1         | CHP    | 3          | 2535.830   | -41.26      | -25         | Pass   |
| 2540        | 2565       | 1         | CHP    | 4          | 2557.410   | -23.59      | -13         | Pass   |
| 2565        | 2569       | 1         | CHP    | 5          | 2568.460   | -20.18      | -10         | Pass   |
| 2569        | 2570       | 0.63      | CHP    | 6          | 2569.890   | -20.31      | -10         | Pass   |
| 2570        | 2615       | 0.63      | CHP    | /          | /          | /           | /           | /      |

## n38\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM PI/2 BPSK\_2595MHz\_Edge\_1RB\_Left\_Ant4



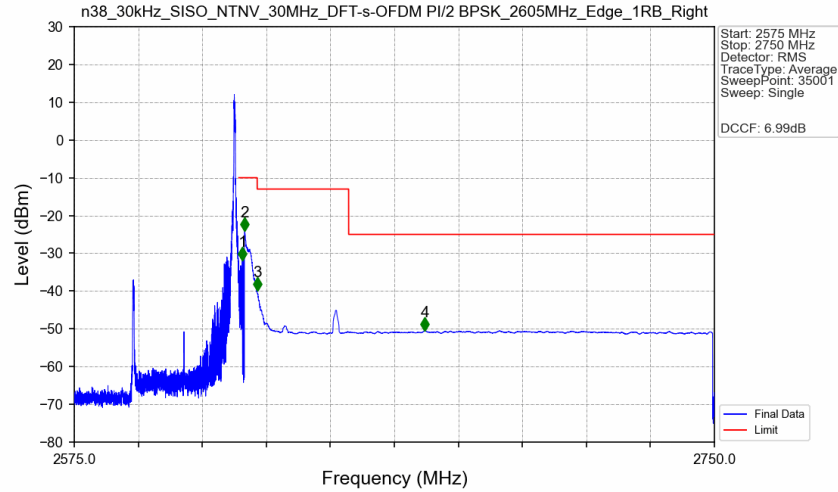
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 30          | 1000       | 1         | CHP    | 1          | 893.950    | -53.89      | -25         | Pass   |

## n38\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM PI/2 BPSK\_2595MHz\_Edge\_1RB\_Left\_Ant4



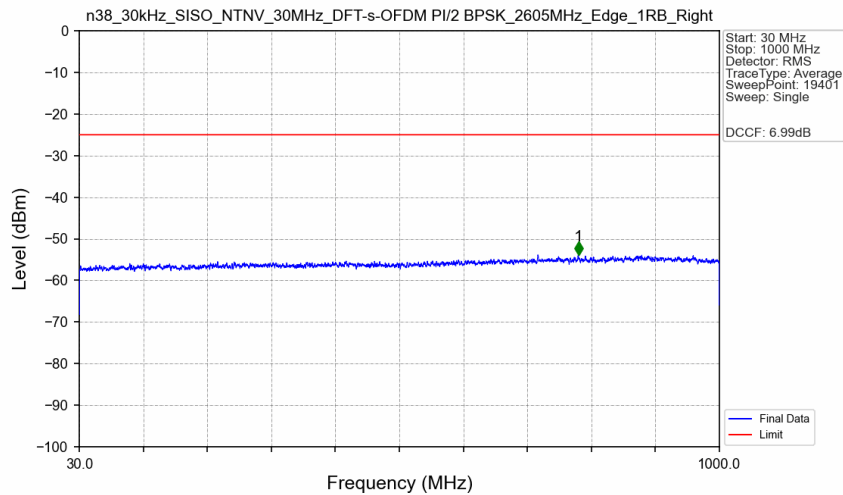
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1000        | 2490.5     | 1         | /      | 1          | 2485.000   | -49.10      | -25         | Pass   |
| 2490.5      | 2496       | 1         | /      | 2          | 2495.000   | -51.75      | -13         | Pass   |
| 2496        | 2540       | 1         | /      | 3          | 2537.000   | -50.32      | -25         | Pass   |
| 2540        | 2565       | 1         | /      | 4          | 2553.500   | -45.17      | -13         | Pass   |
| 2565        | 2625       | 1         | /      | /          | /          | /           | /           | /      |
| 2625        | 2650       | 1         | /      | 5          | 2629.500   | -48.18      | -13         | Pass   |
| 2650        | 26200      | 1         | /      | 6          | 25895.000  | -34.70      | -25         | Pass   |

## n38\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM PI/2 BPSK\_2605MHz\_Edge\_1RB\_Right\_Ant4



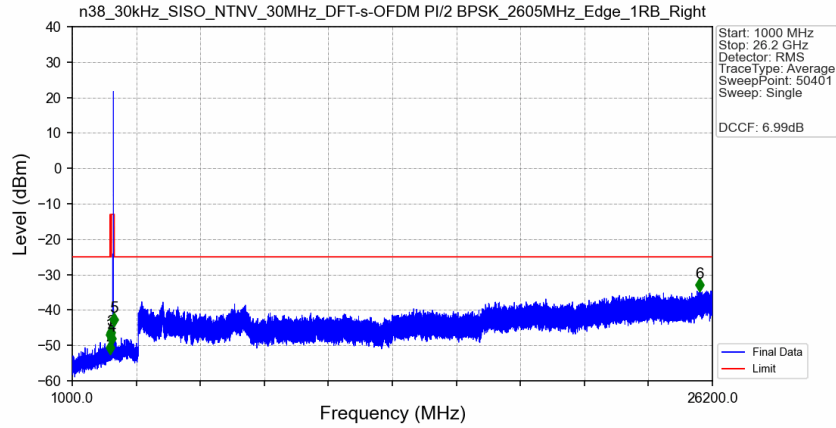
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2575        | 2620       | 0.02      | CHP    | /          | /          | /           | /           | /      |
| 2620        | 2621       | 0.02      | CHP    | 1          | 2620.940   | -31.92      | -10         | Pass   |
| 2621        | 2625       | 1         | CHP    | 2          | 2621.590   | -24.13      | -10         | Pass   |
| 2625        | 2650       | 1         | CHP    | 3          | 2625.005   | -39.87      | -13         | Pass   |
| 2650        | 2750       | 1         | CHP    | 4          | 2670.835   | -50.53      | -25         | Pass   |

## n38\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM PI/2 BPSK\_2605MHz\_Edge\_1RB\_Right\_Ant4



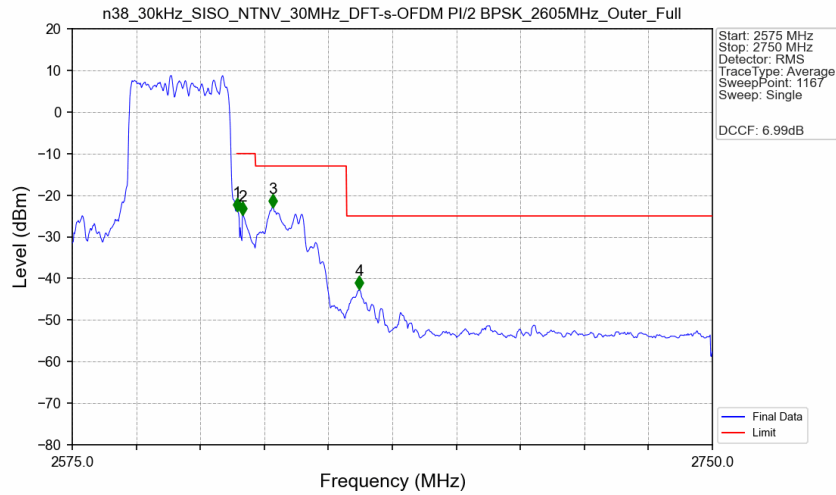
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 30          | 1000       | 1         | CHP    | 1          | 786.300    | -53.80      | -25         | Pass   |

## n38\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM\_PI/2\_BPSK\_2605MHz\_Edge\_1RB\_Right\_Ant4



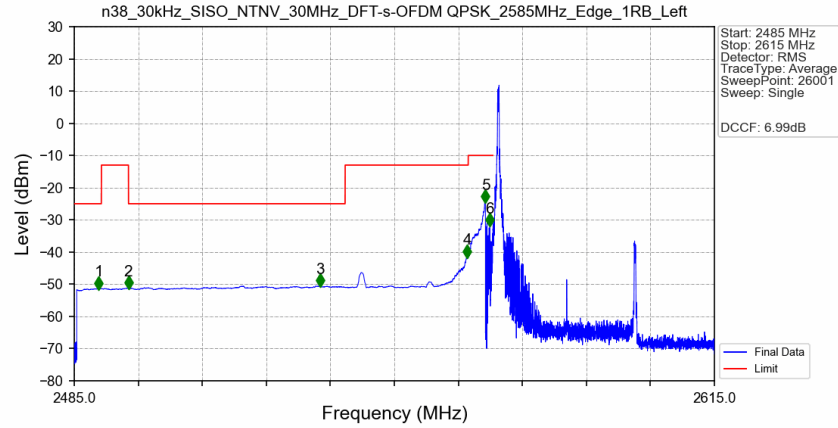
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1000        | 2490.5     | 1         | /      | 1          | 2476.500   | -48.52      | -25         | Pass   |
| 2490.5      | 2496       | 1         | /      | 2          | 2494.000   | -52.16      | -13         | Pass   |
| 2496        | 2540       | 1         | /      | 3          | 2514.000   | -47.91      | -25         | Pass   |
| 2540        | 2565       | 1         | /      | 4          | 2563.500   | -49.52      | -13         | Pass   |
| 2565        | 2625       | 1         | /      | /          | /          | /           | /           | /      |
| 2625        | 2650       | 1         | /      | 5          | 2646.000   | -44.18      | -13         | Pass   |
| 2650        | 26200      | 1         | /      | 6          | 25698.500  | -34.51      | -25         | Pass   |

## n38\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM\_PI/2\_BPSK\_2605MHz\_Outer\_Full\_Ant4



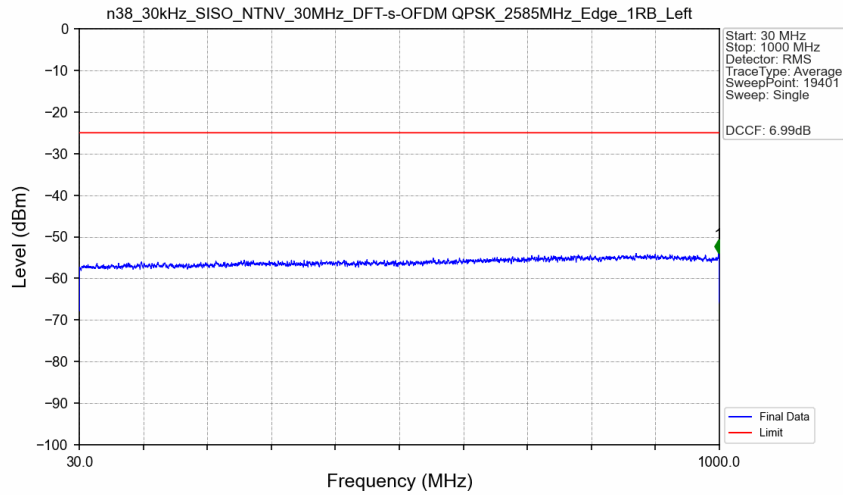
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2575        | 2620       | 0.63      | CHP    | /          | /          | /           | /           | /      |
| 2620        | 2621       | 0.63      | CHP    | 1          | 2620.026   | -23.77      | -10         | Pass   |
| 2621        | 2625       | 1         | CHP    | 2          | 2621.527   | -24.71      | -10         | Pass   |
| 2625        | 2650       | 1         | CHP    | 3          | 2629.781   | -22.87      | -13         | Pass   |
| 2650        | 2750       | 1         | CHP    | 4          | 2653.495   | -42.68      | -25         | Pass   |

n38\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM\_QPSK\_2585MHz\_Edge\_1RB\_Left\_Ant4



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2489.960   | -51.37      | -25         | Pass   |
| 2490.5      | 2496       | 1         | CHP    | 2          | 2495.990   | -51.20      | -13         | Pass   |
| 2496        | 2540       | 1         | CHP    | 3          | 2534.870   | -50.53      | -25         | Pass   |
| 2540        | 2565       | 1         | CHP    | 4          | 2564.770   | -41.47      | -13         | Pass   |
| 2565        | 2569       | 1         | CHP    | 5          | 2568.500   | -24.41      | -10         | Pass   |
| 2569        | 2570       | 0.02      | CHP    | 6          | 2569.430   | -31.63      | -10         | Pass   |
| 2570        | 2615       | 0.02      | CHP    | /          | /          | /           | /           | /      |

n38\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM\_QPSK\_2585MHz\_Edge\_1RB\_Left\_Ant4



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 30          | 1000       | 1         | CHP    | 1          | 998.750    | -53.81      | -25         | Pass   |

