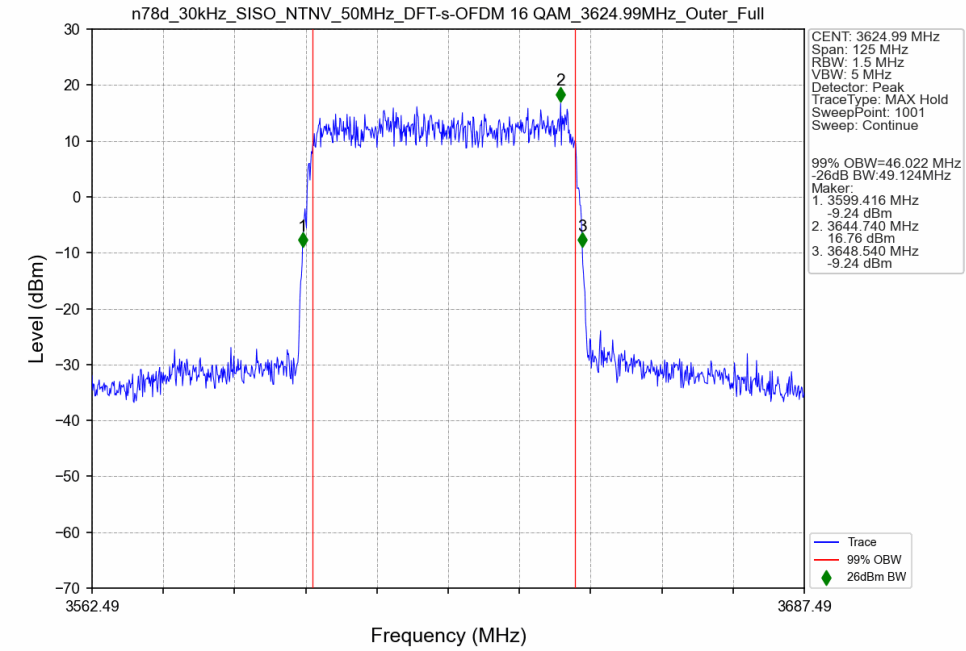
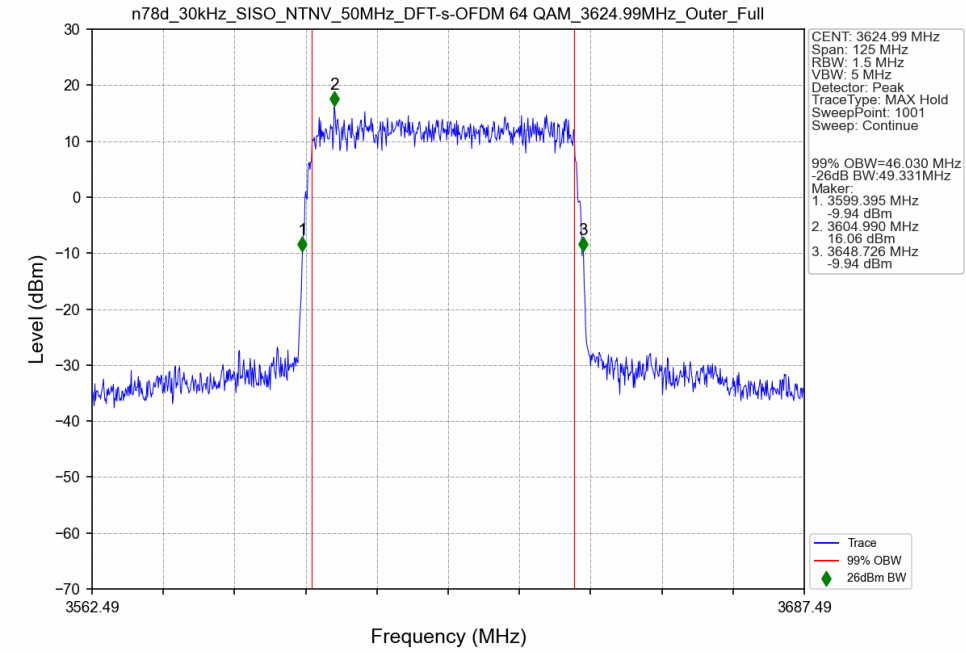
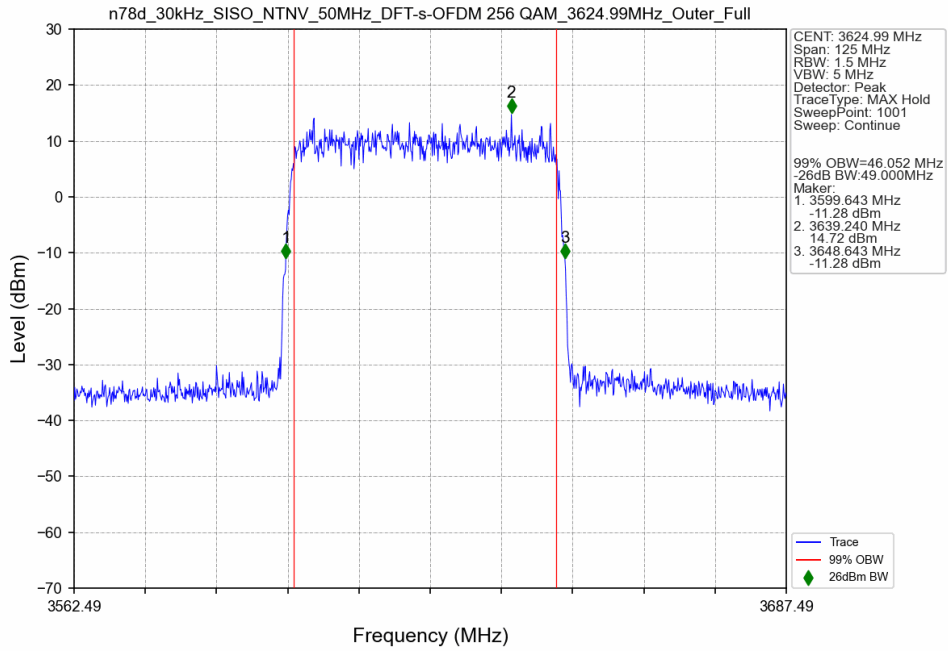
n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 16 QAM_3624.99MHz_Outer_Full_Ant2



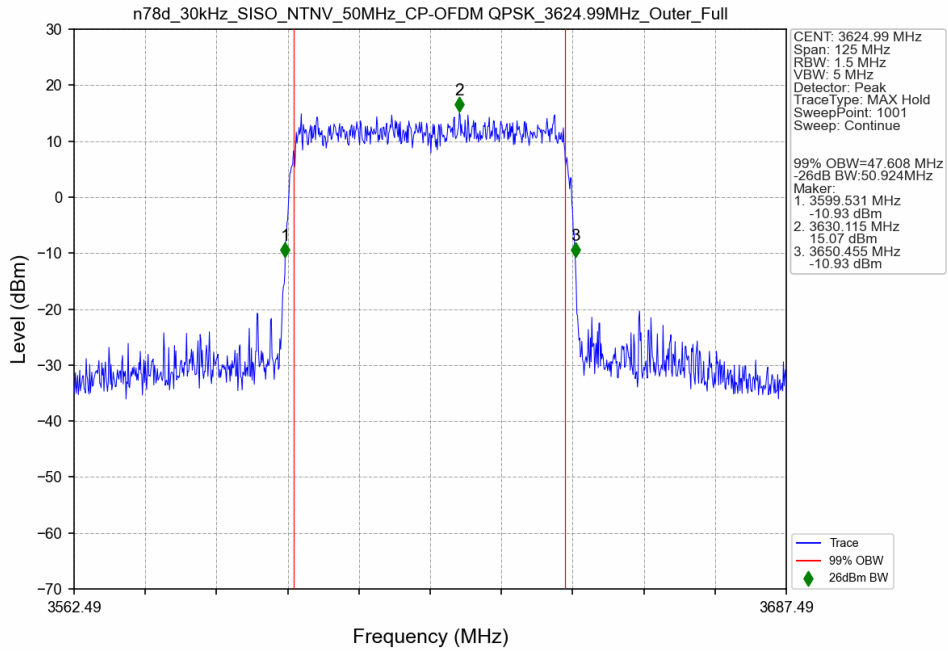

n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 64 QAM_3624.99MHz_Outer_Full_Ant2



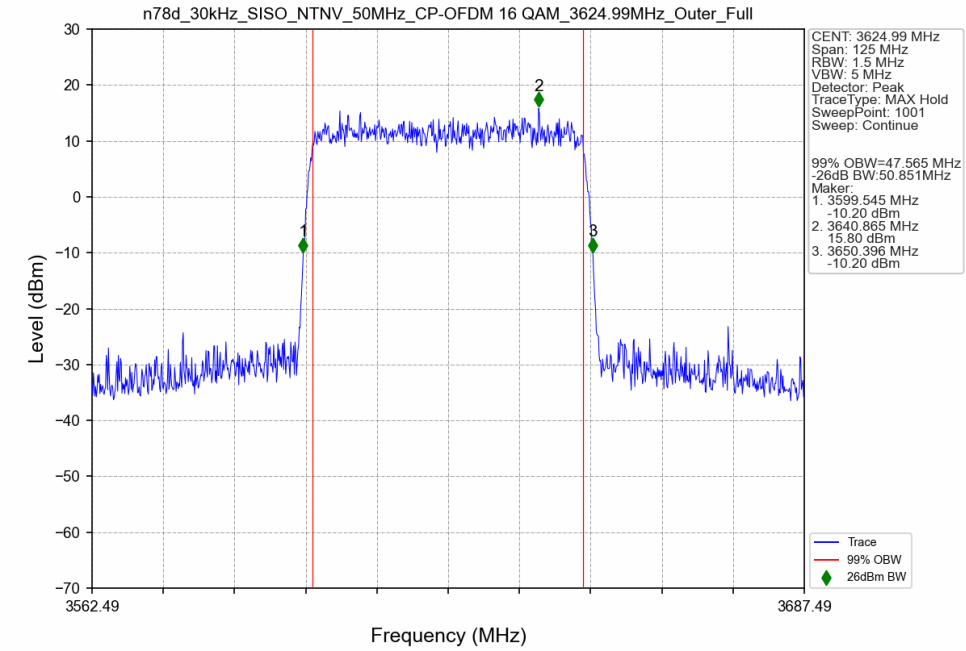
n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 256 QAM_3624.99MHz_Outer_Full_Ant2



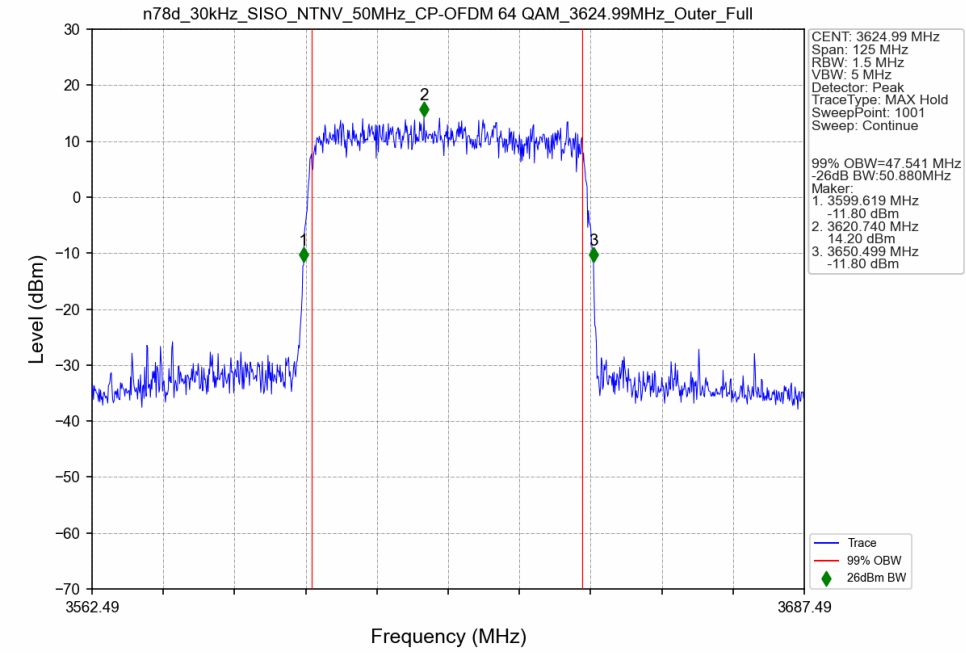

n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full_Ant2



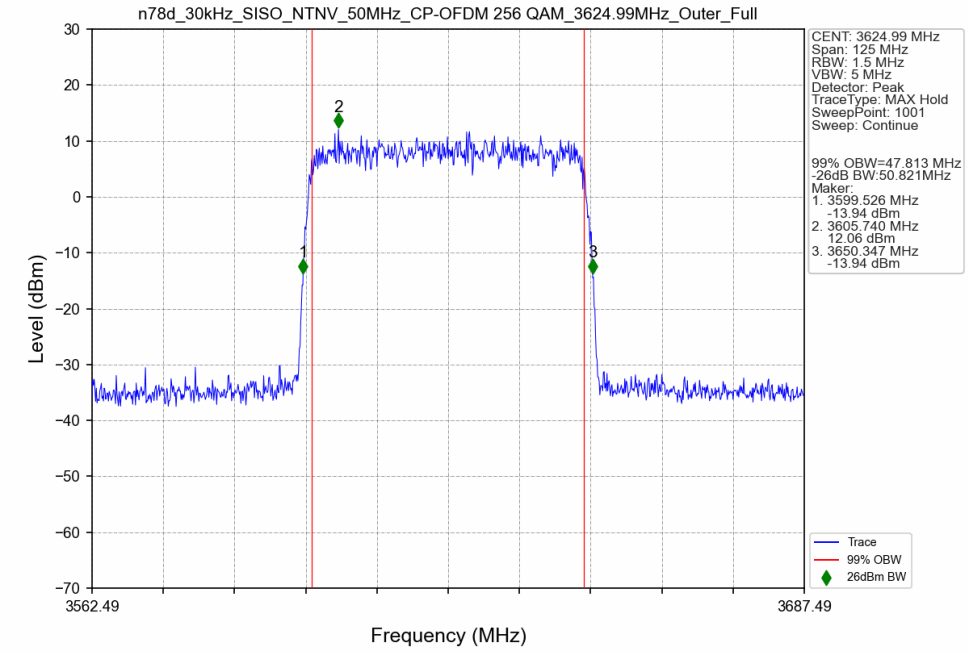
n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM 16 QAM_3624.99MHz_Outer_Full_Ant2




n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full_Ant2

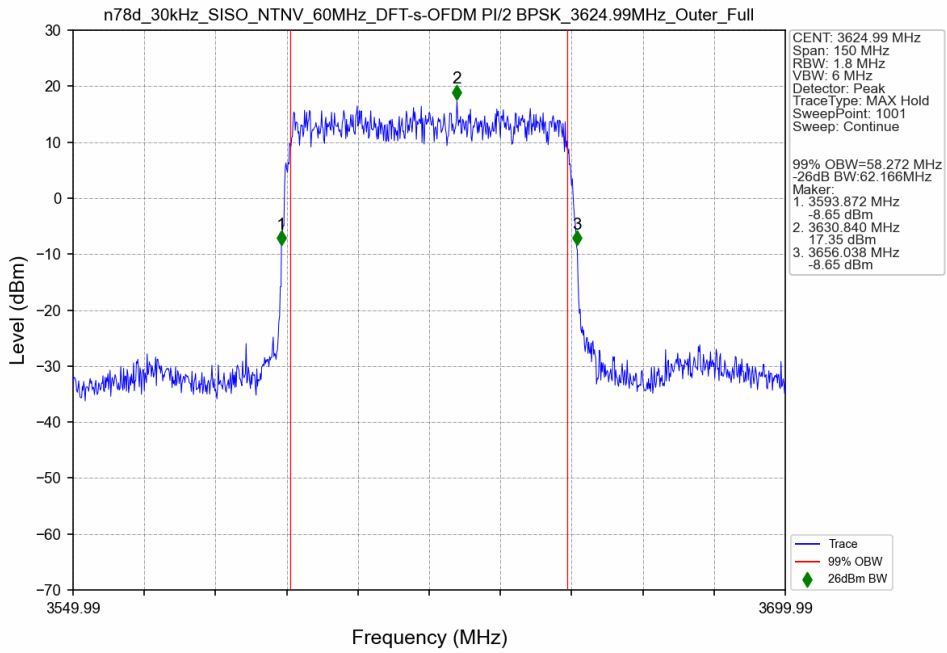


n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full_Ant2

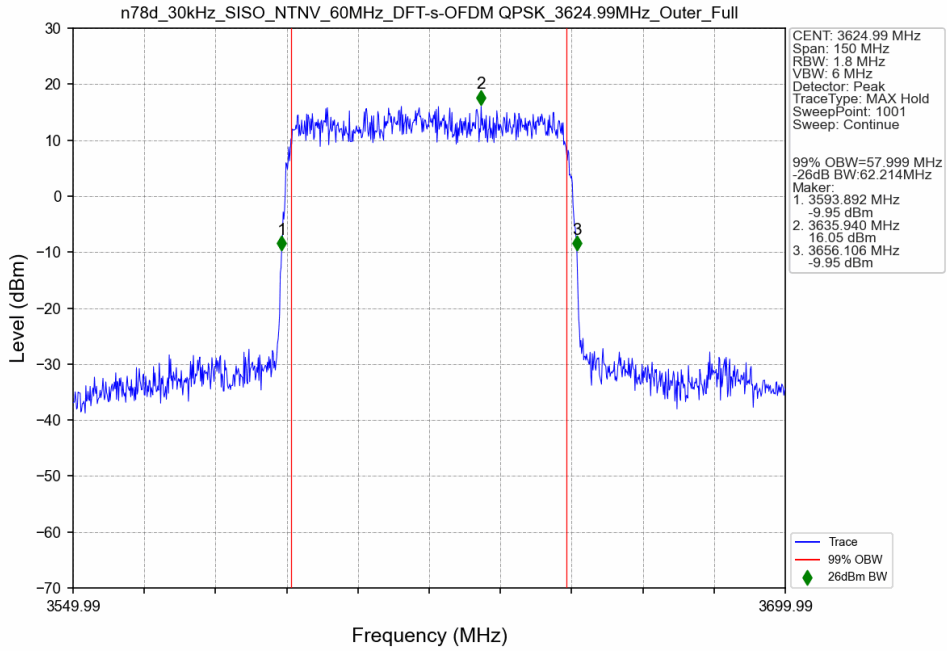


## 3.2.8 30k_SISO_60MHz_NTNV

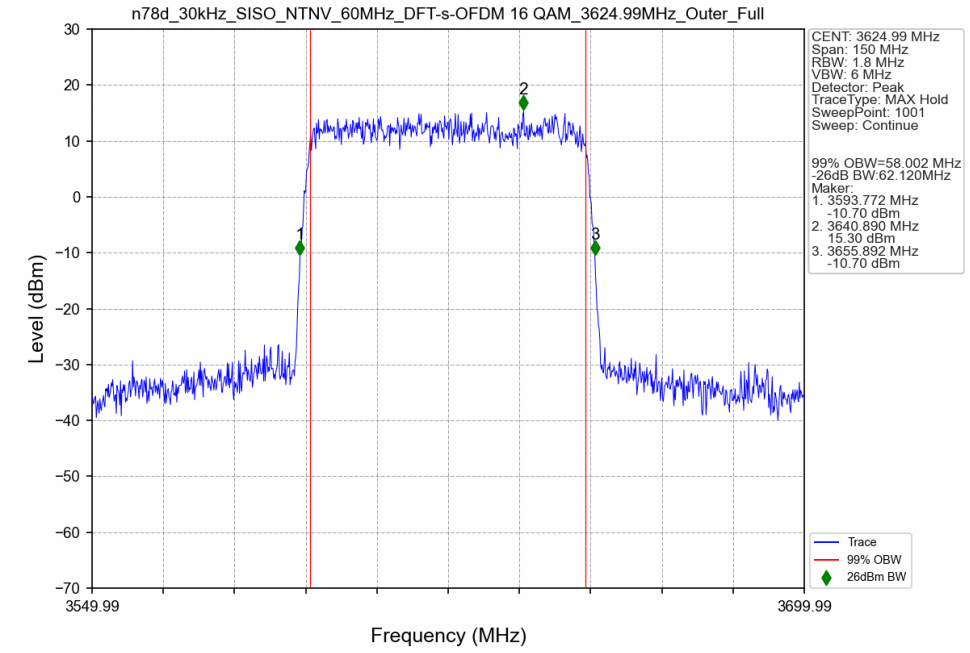
n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Outer_Full_Ant2



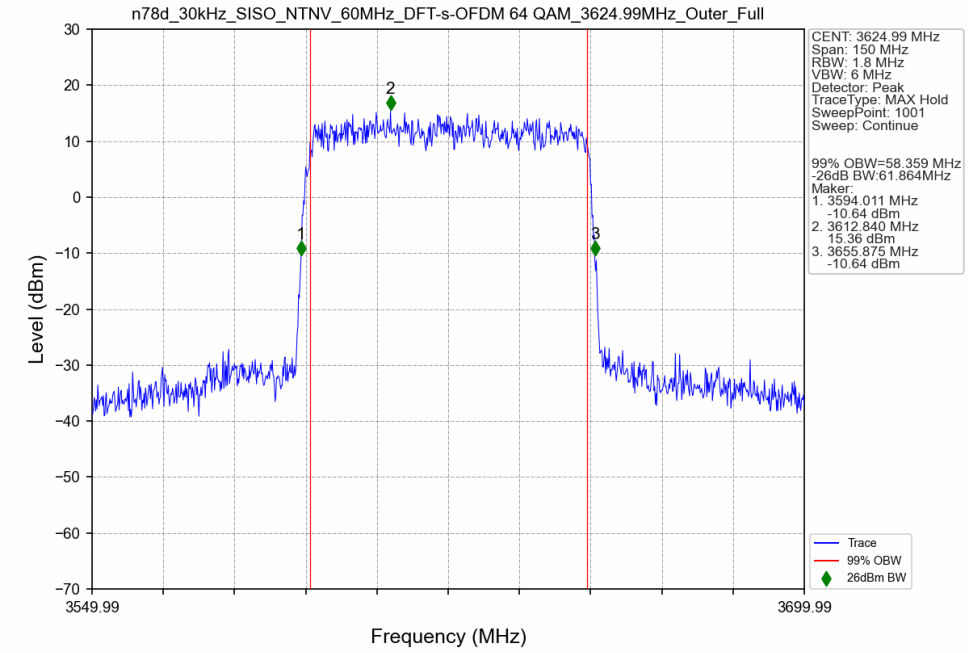

n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM QPSK_3624.99MHz_Outer_Full_Ant2



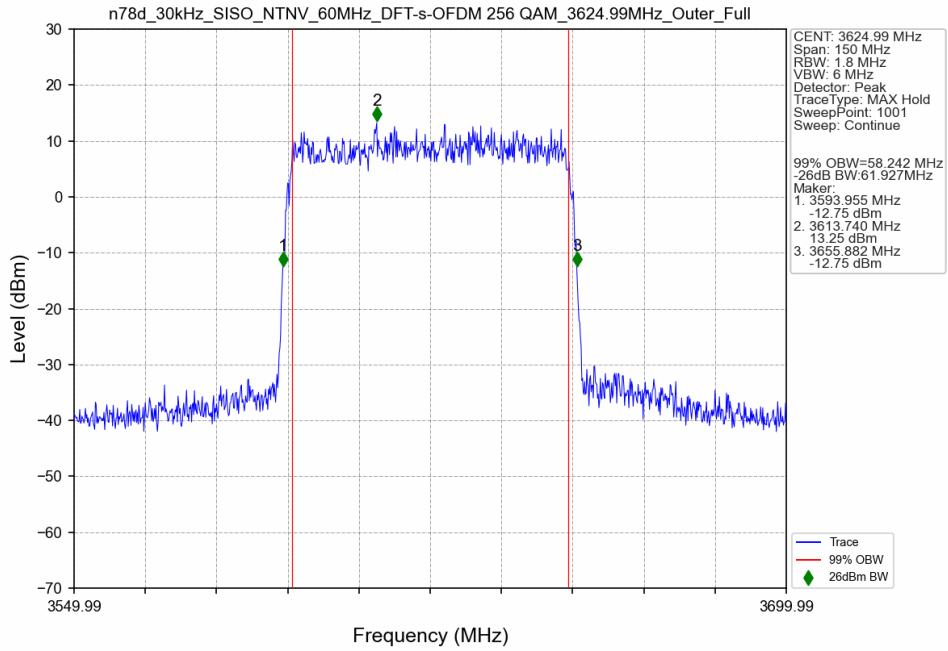
n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM 16 QAM_3624.99MHz_Outer_Full_Ant2



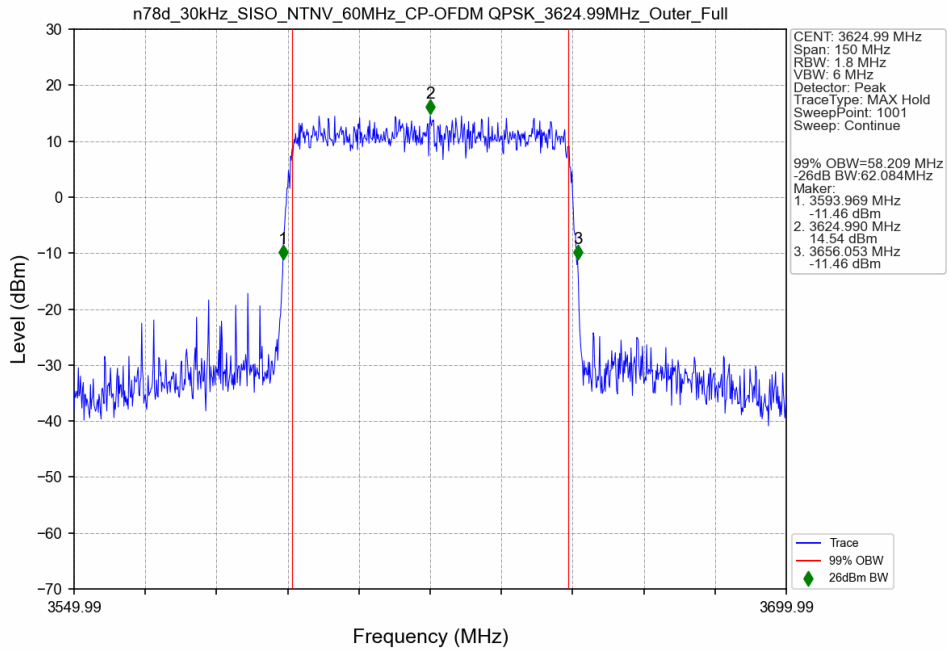

n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM 64 QAM_3624.99MHz_Outer_Full_Ant2



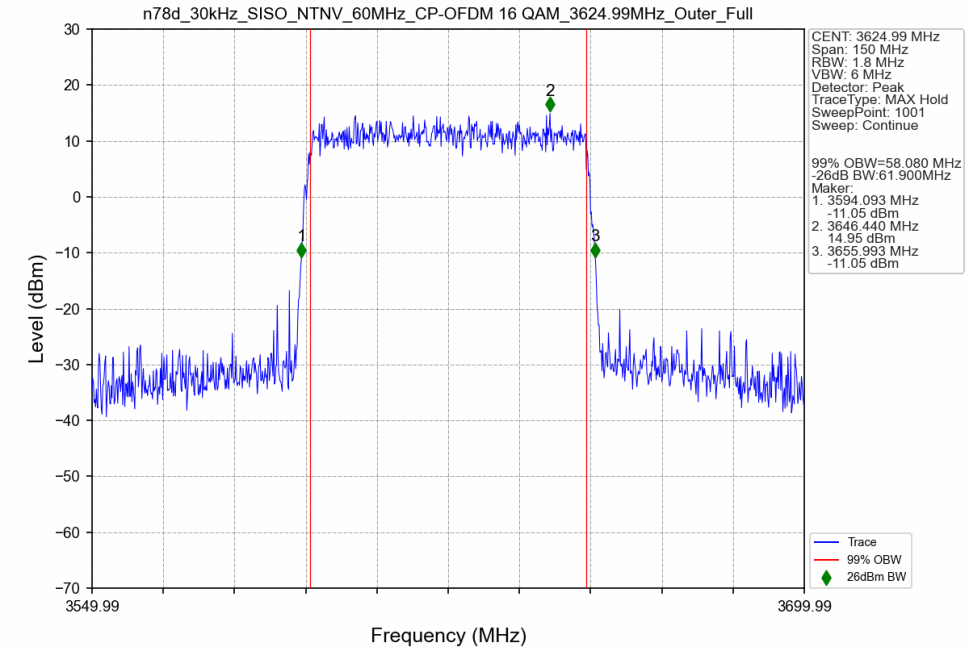
n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM 256 QAM_3624.99MHz_Outer_Full_Ant2



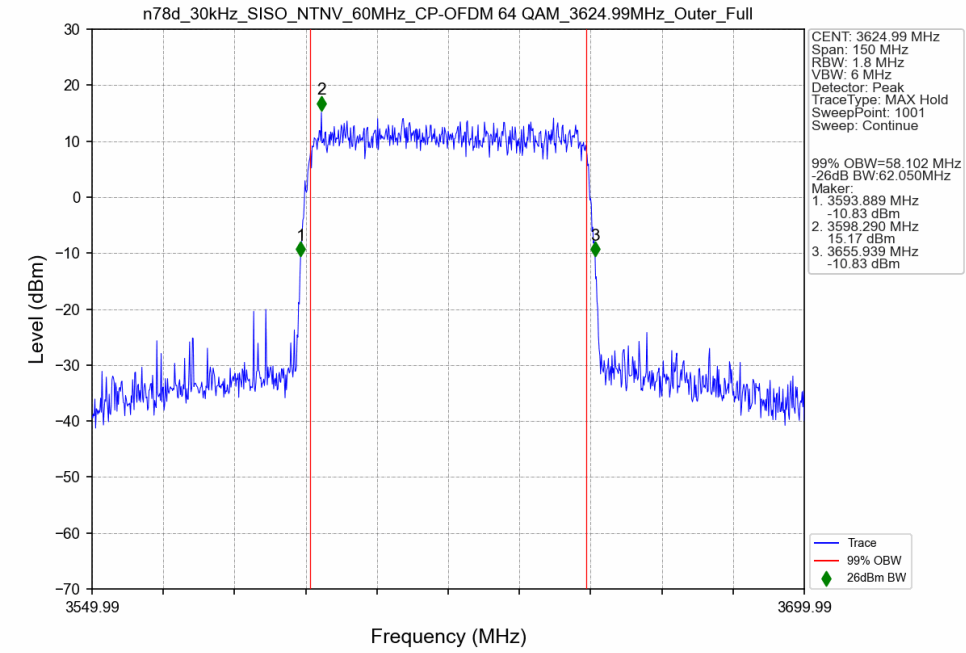

n78d_30kHz_SISO_NTNV_60MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full_Ant2



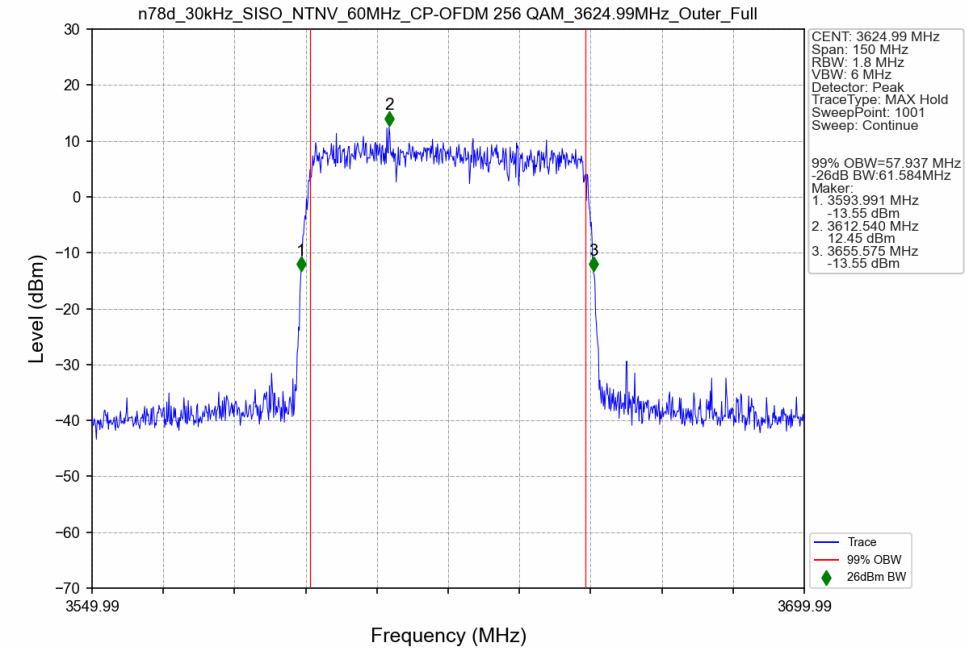
n78d_30kHz_SISO_NTNV_60MHz_CP-OFDM 16 QAM_3624.99MHz_Outer_Full_Ant2




n78d_30kHz_SISO_NTNV_60MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full_Ant2

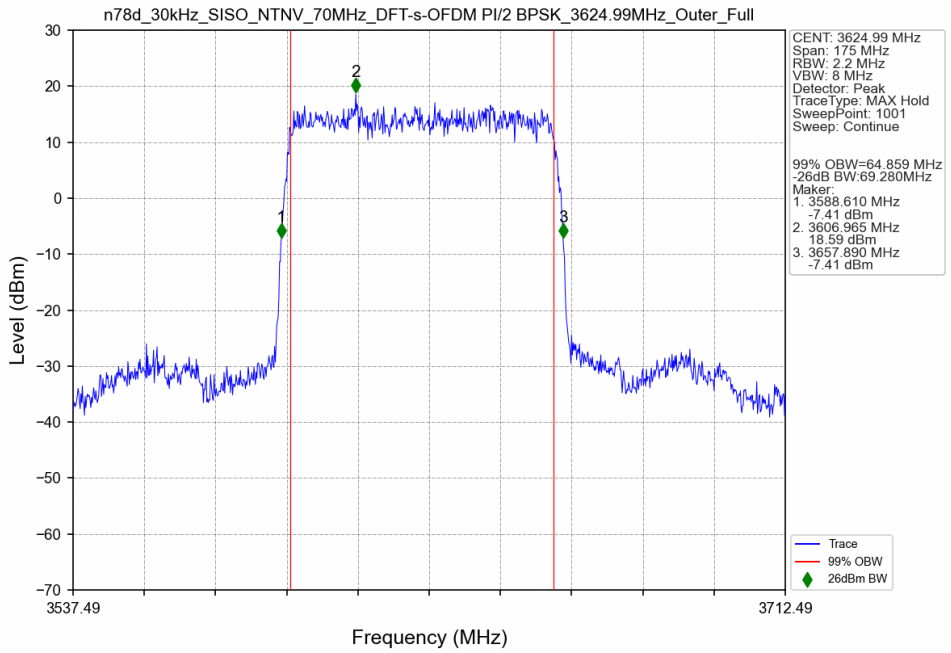


n78d_30kHz_SISO_NTNV_60MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full_Ant2

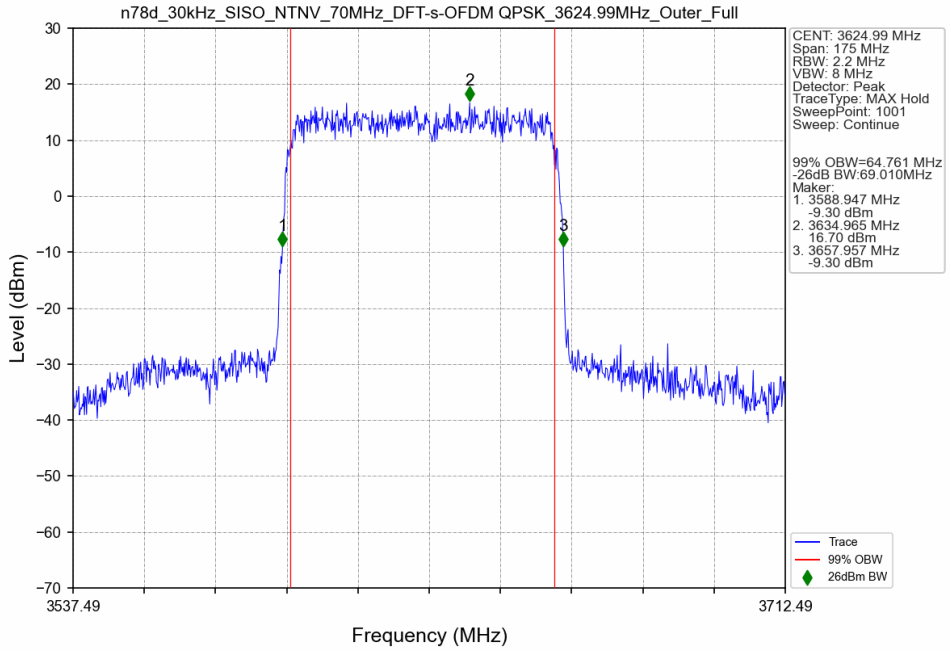


## 3.2.9 30k_SISO_70MHz_NTNV

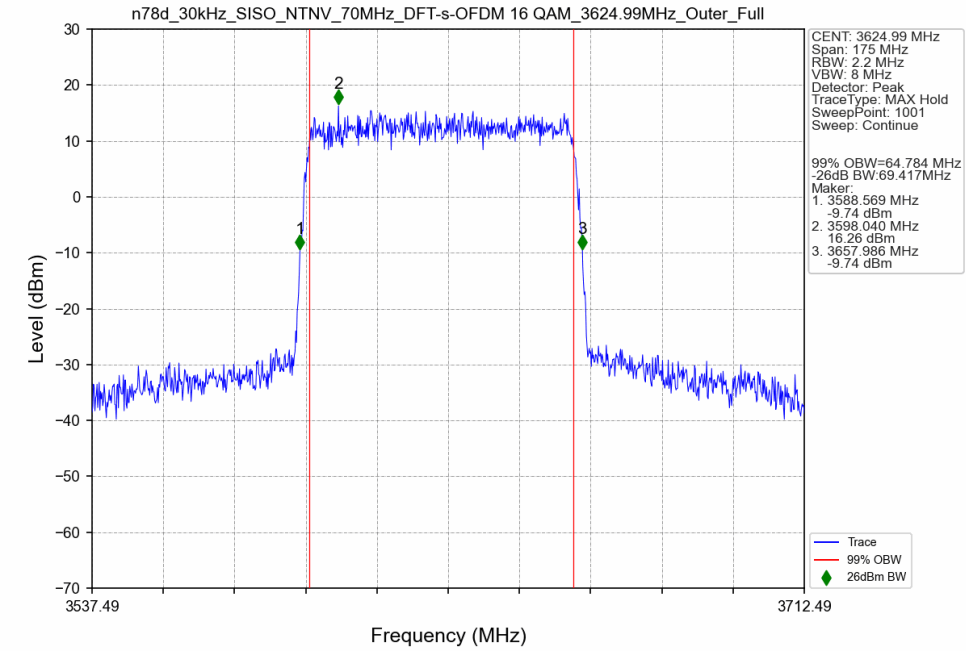
n78d_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Outer_Full_Ant2



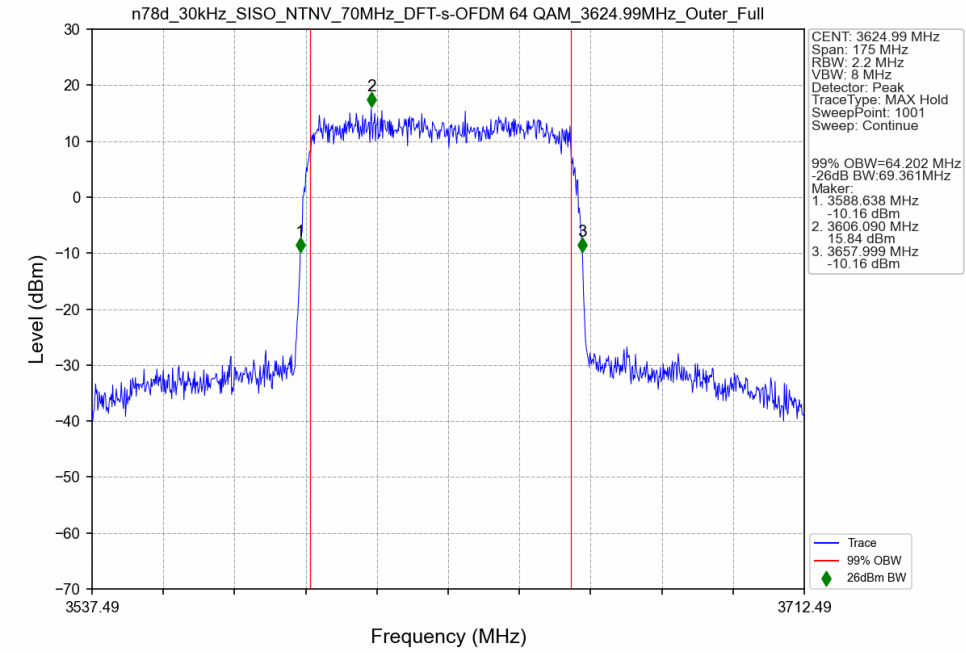

n78d_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM QPSK_3624.99MHz_Outer_Full_Ant2



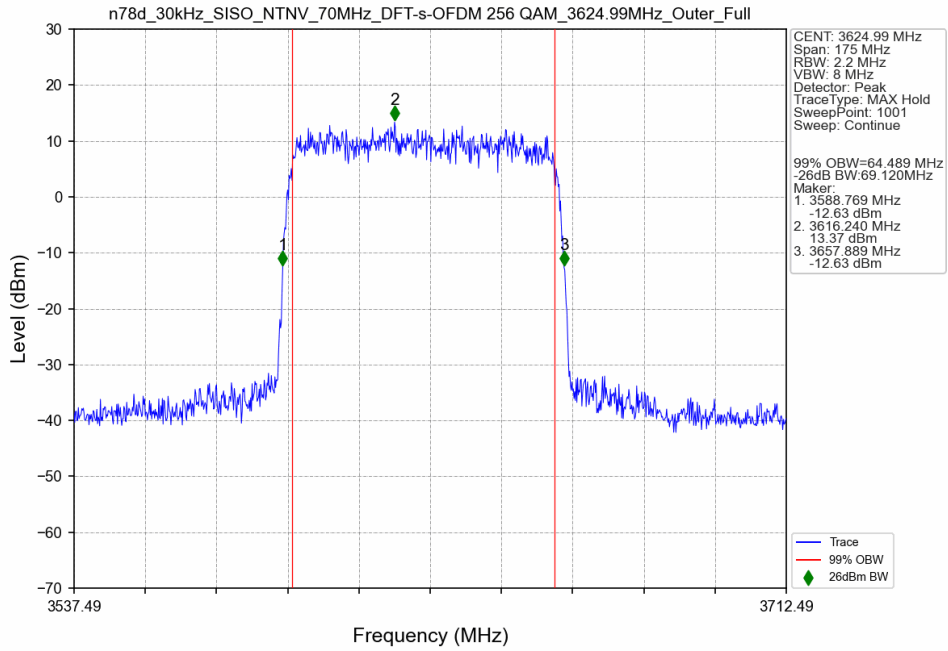
n78d_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM 16 QAM_3624.99MHz_Outer_Full_Ant2



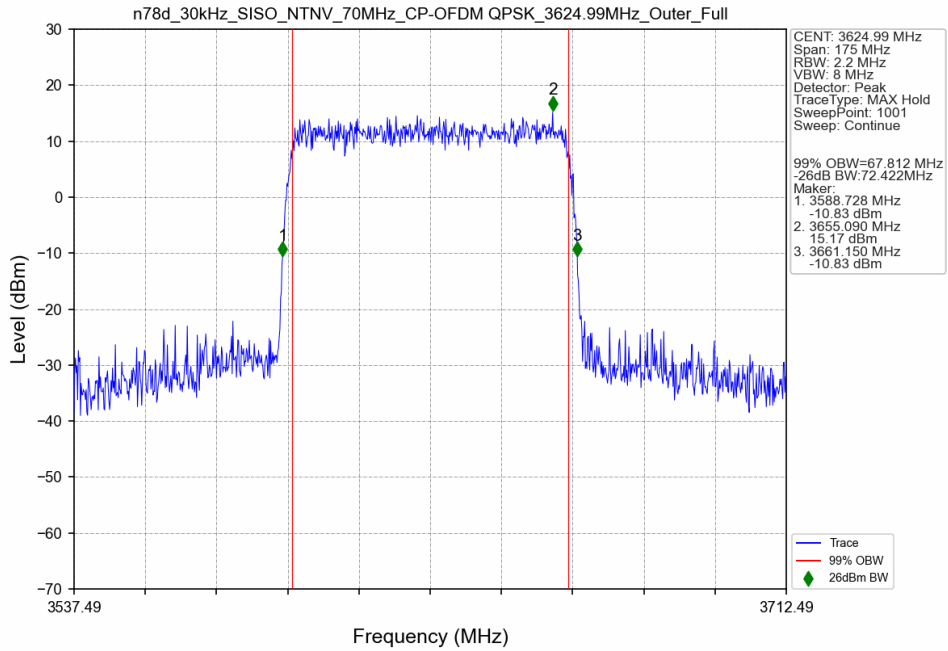

n78d_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM 64 QAM_3624.99MHz_Outer_Full_Ant2



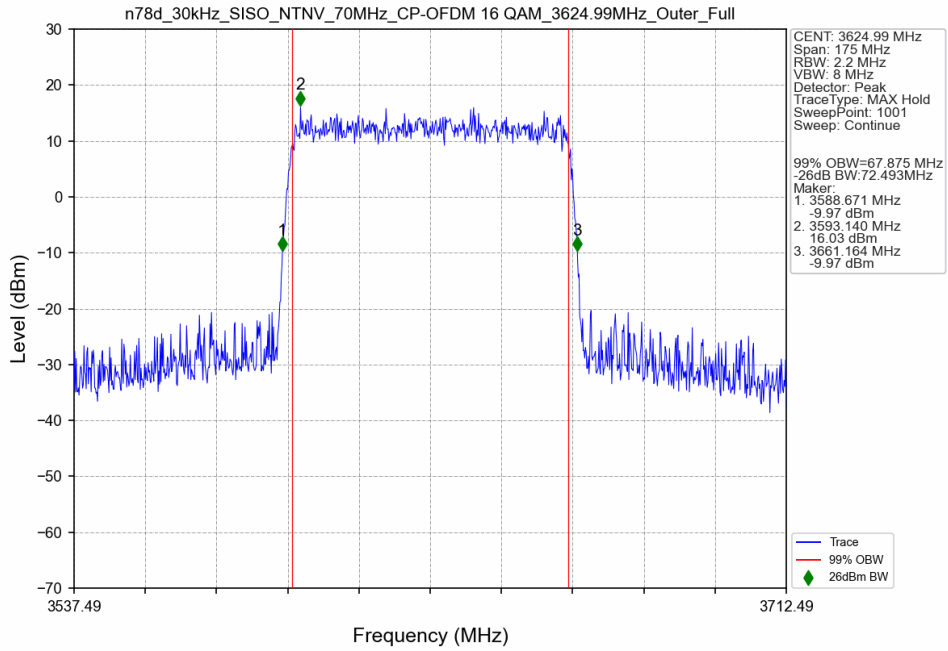
n78d_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM 256 QAM_3624.99MHz_Outer_Full_Ant2



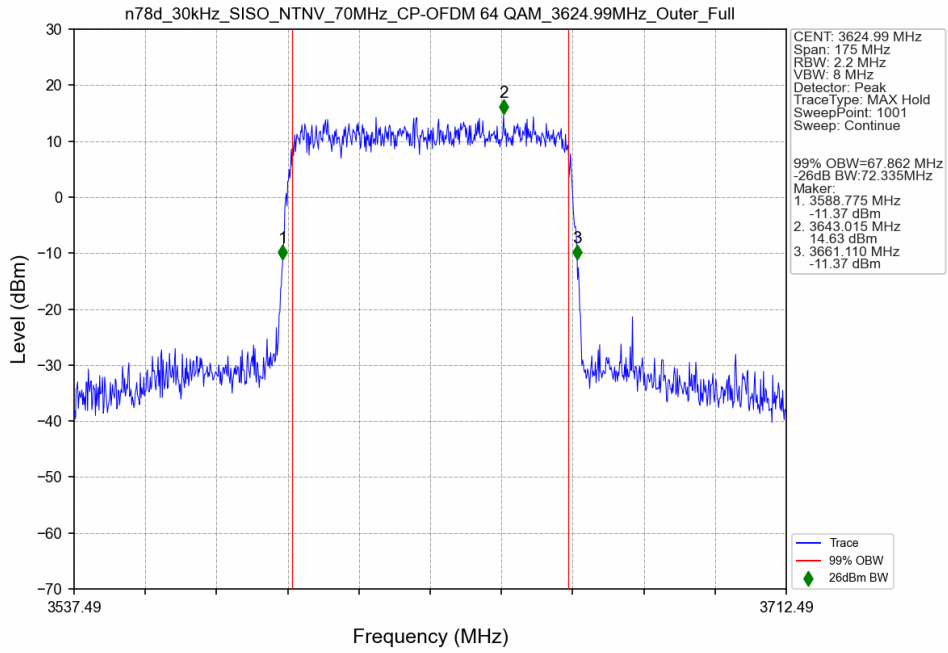

n78d_30kHz_SISO_NTNV_70MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full_Ant2



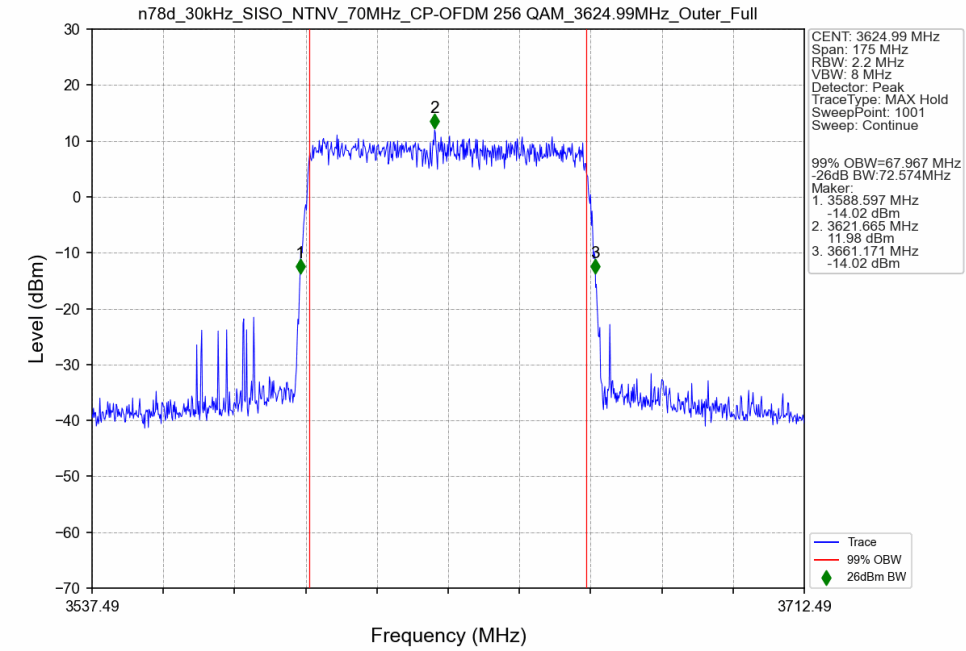
n78d_30kHz_SISO_NTNV_70MHz_CP-OFDM 16 QAM_3624.99MHz_Outer_Full_Ant2




n78d_30kHz_SISO_NTNV_70MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full_Ant2

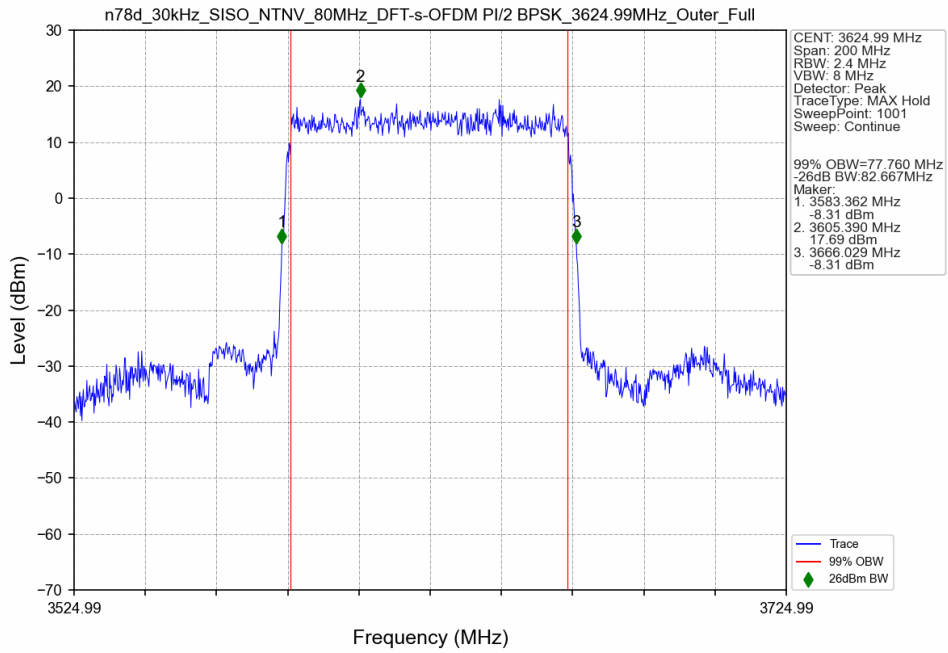


n78d_30kHz_SISO_NTNV_70MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full_Ant2

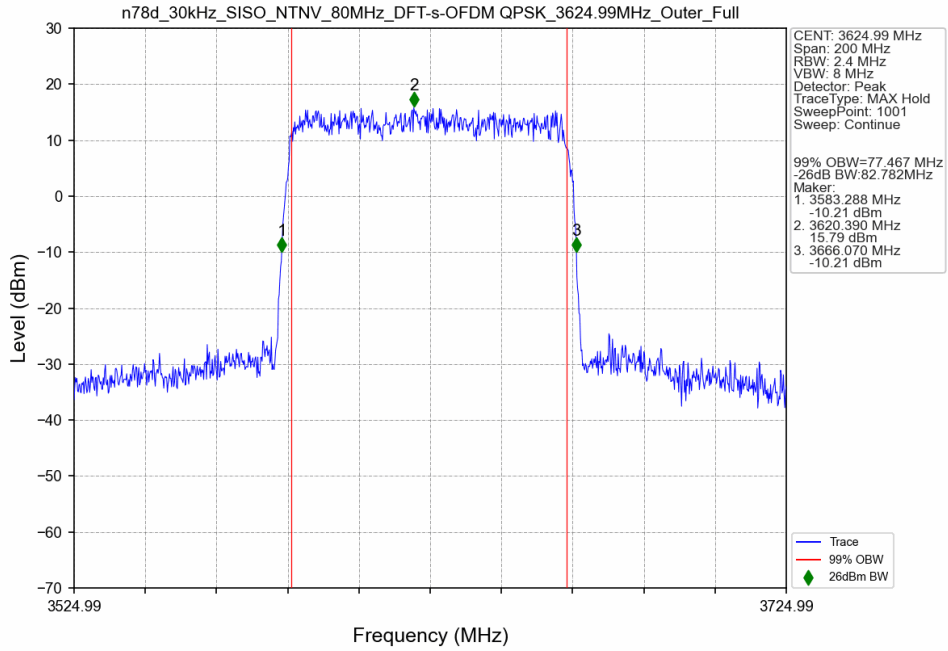


## 3.2.10 30k_SISO_80MHz_NTNV

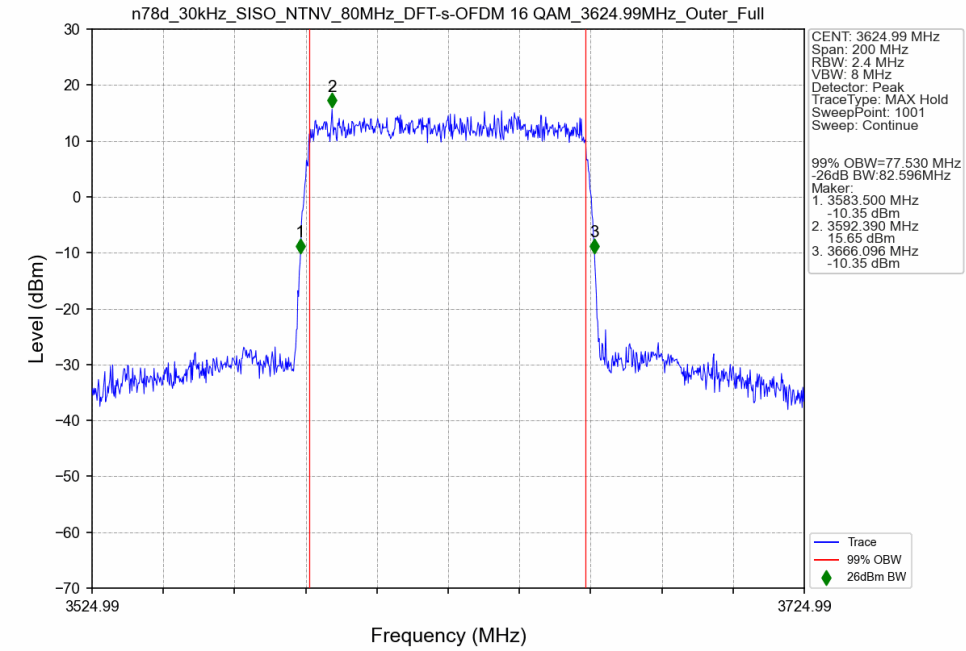
n78d_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Outer_Full_Ant2



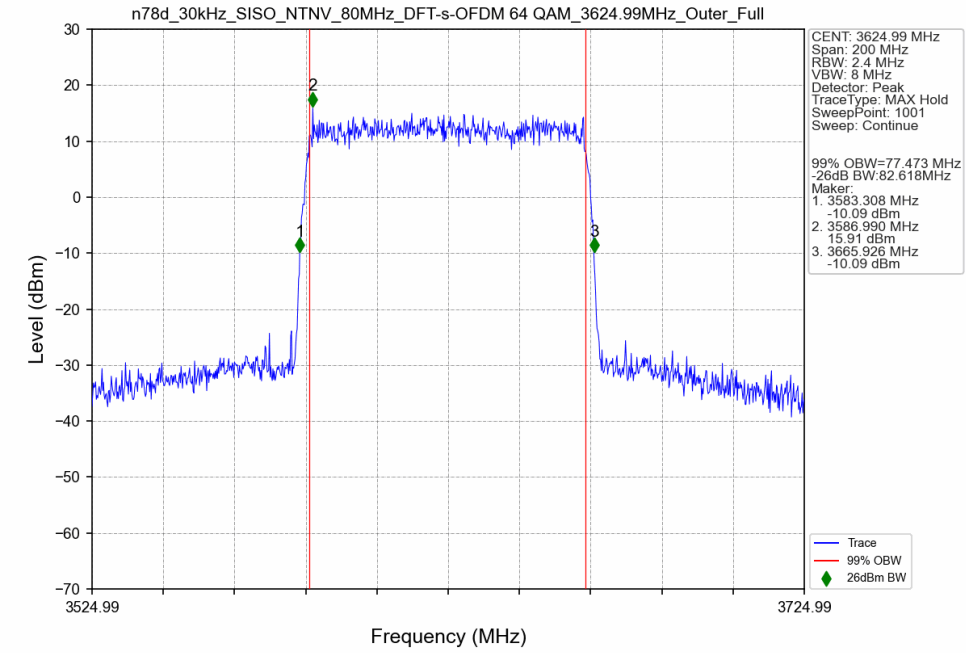

n78d_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM QPSK_3624.99MHz_Outer_Full_Ant2



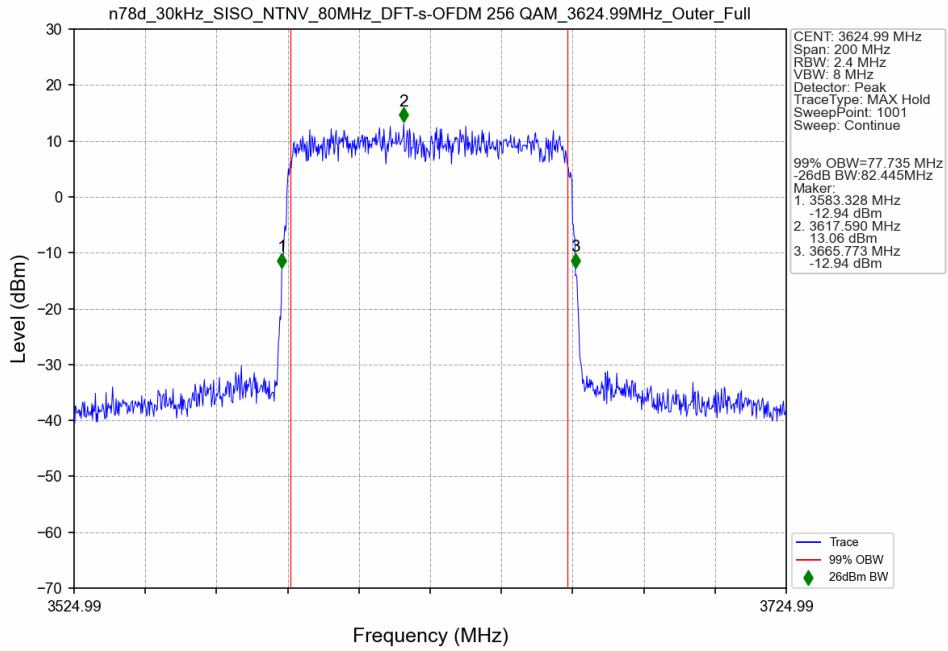
n78d_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM 16 QAM_3624.99MHz_Outer_Full_Ant2



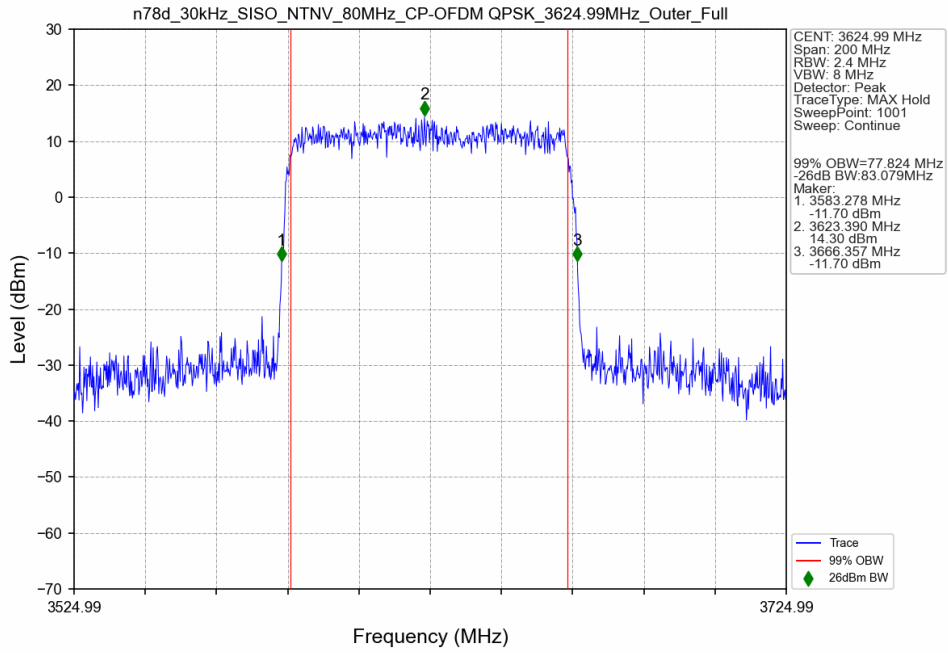

n78d_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM 64 QAM_3624.99MHz_Outer_Full_Ant2



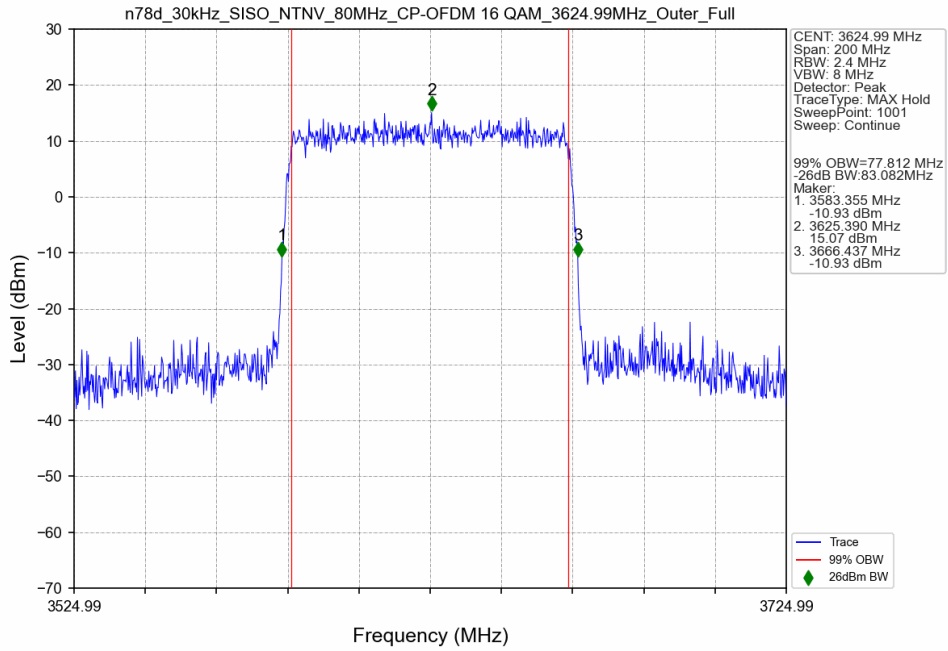
n78d_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM 256 QAM_3624.99MHz_Outer_Full_Ant2



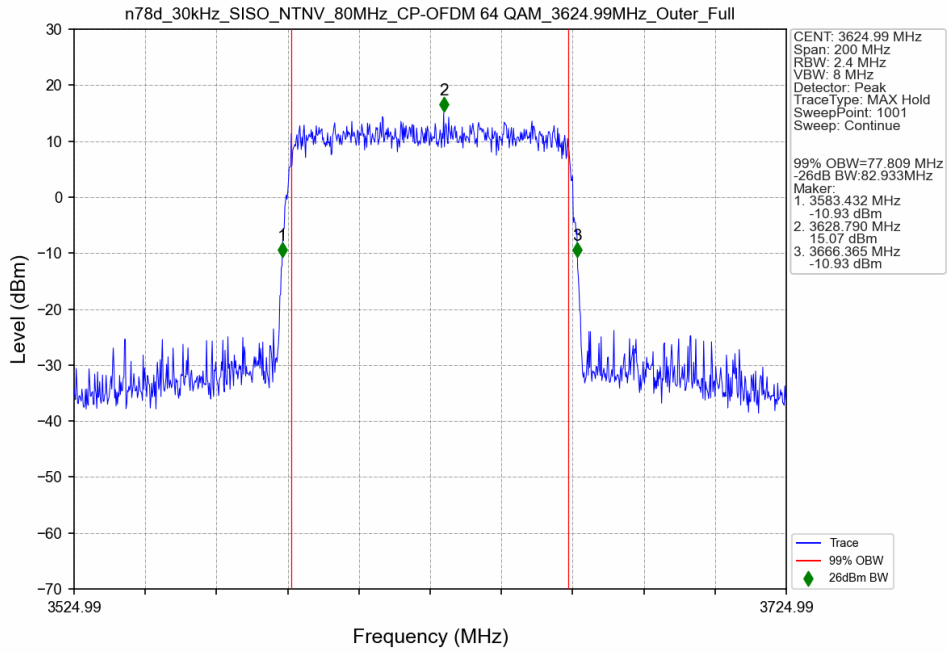

n78d_30kHz_SISO_NTNV_80MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full_Ant2



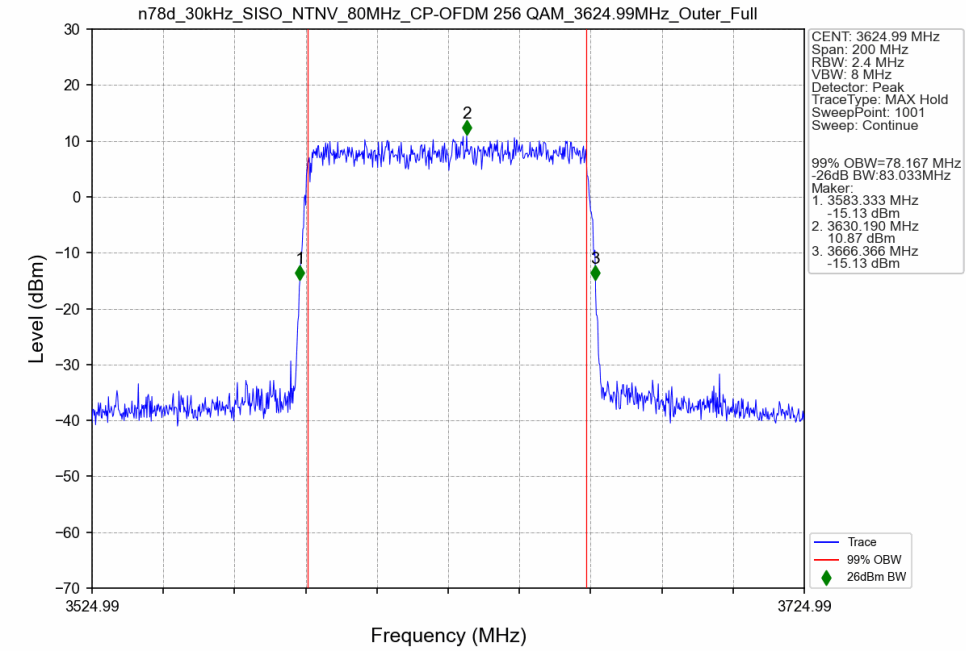
n78d_30kHz_SISO_NTNV_80MHz_CP-OFDM 16 QAM_3624.99MHz_Outer_Full_Ant2




n78d_30kHz_SISO_NTNV_80MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full_Ant2

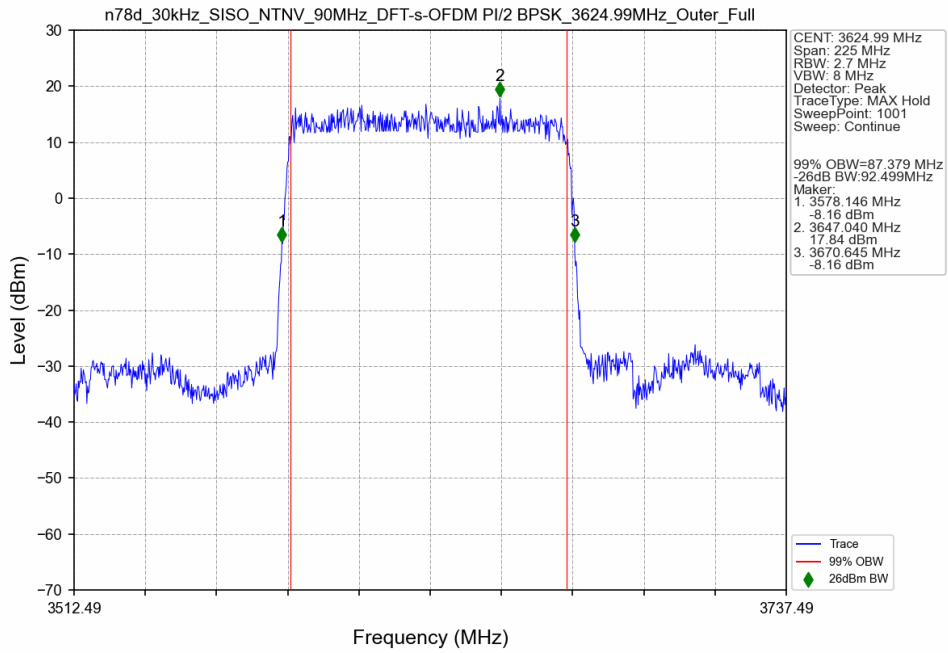


n78d_30kHz_SISO_NTNV_80MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full_Ant2

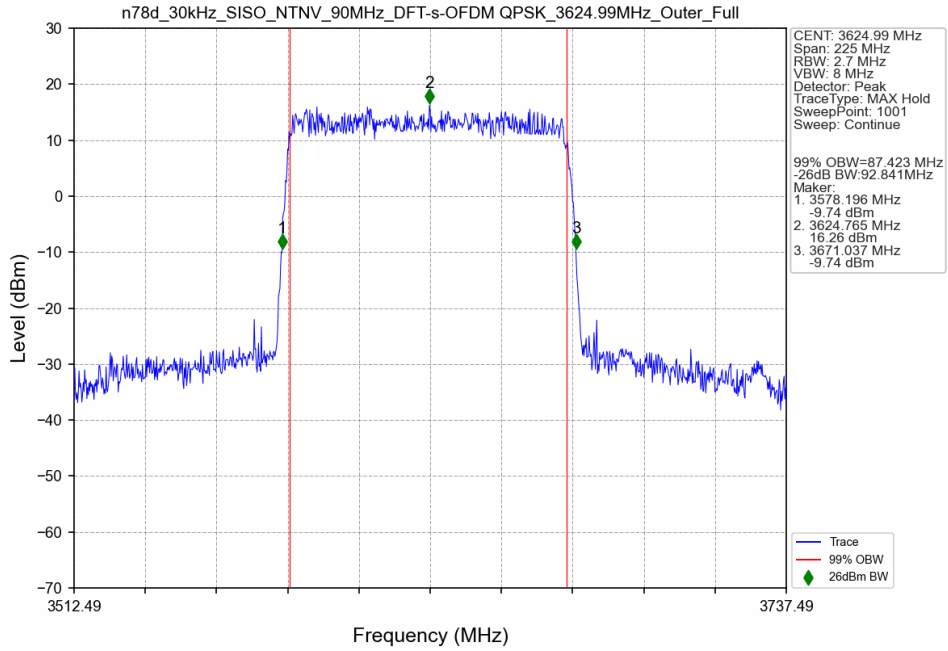


## 3.2.11 30k_SISO_90MHz_NTNV

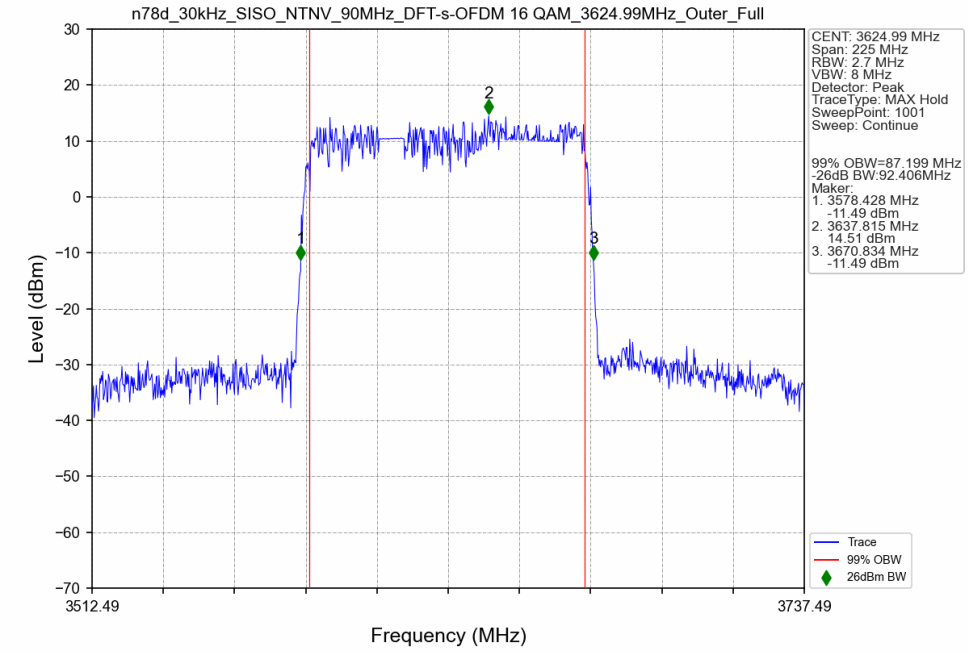
n78d_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Outer_Full_Ant2



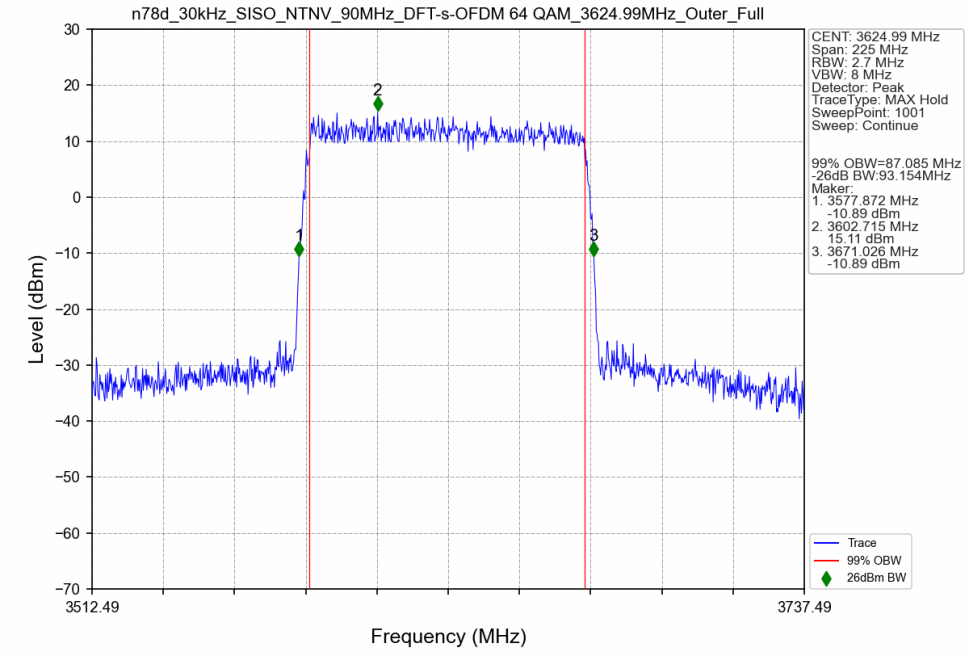

n78d_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM QPSK_3624.99MHz_Outer_Full_Ant2



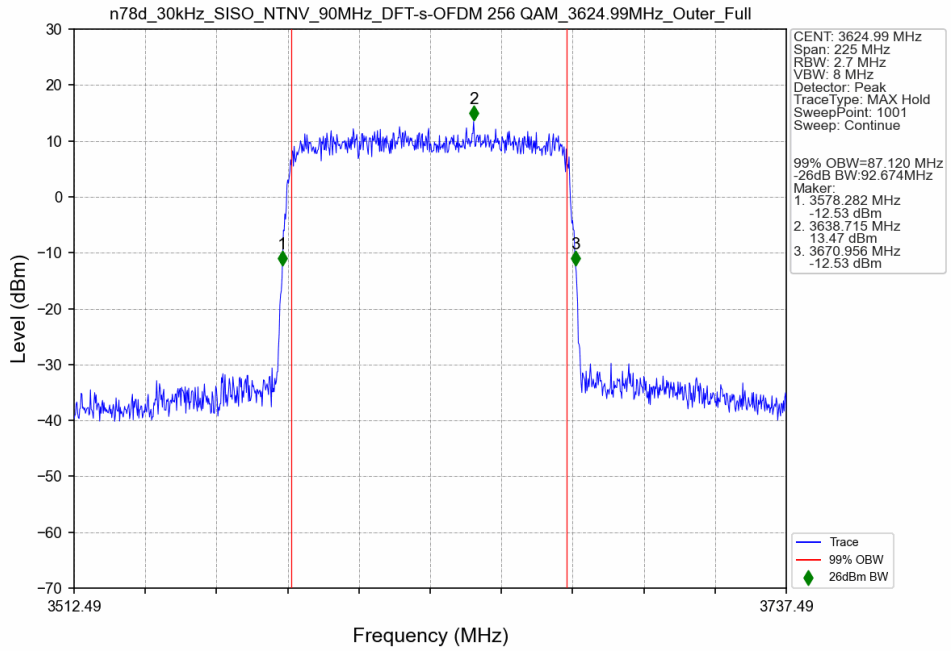
n78d_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM 16 QAM_3624.99MHz_Outer_Full_Ant2



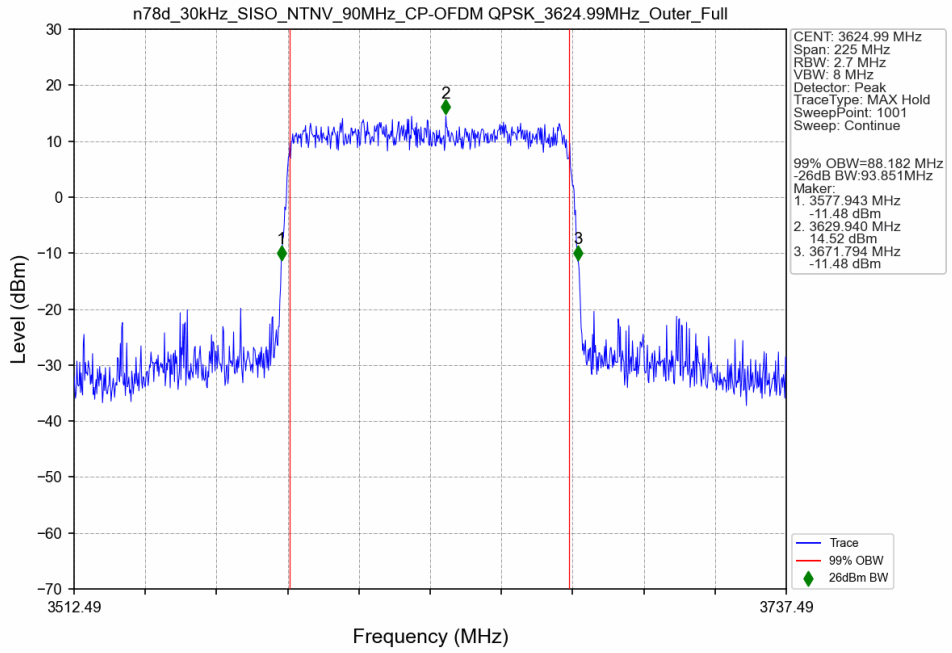

n78d_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM 64 QAM_3624.99MHz_Outer_Full_Ant2



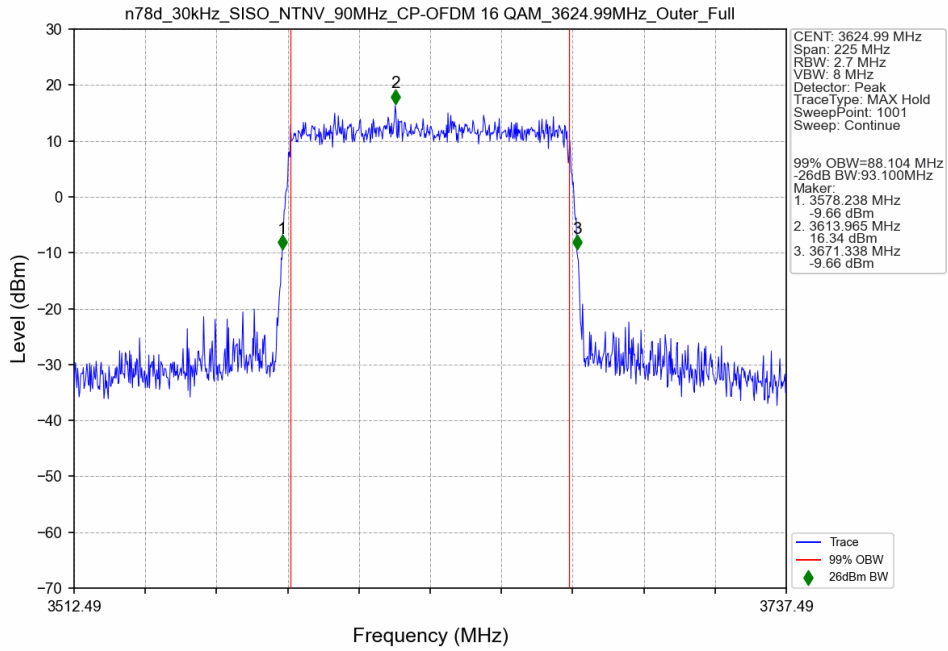
n78d_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM 256 QAM_3624.99MHz_Outer_Full_Ant2



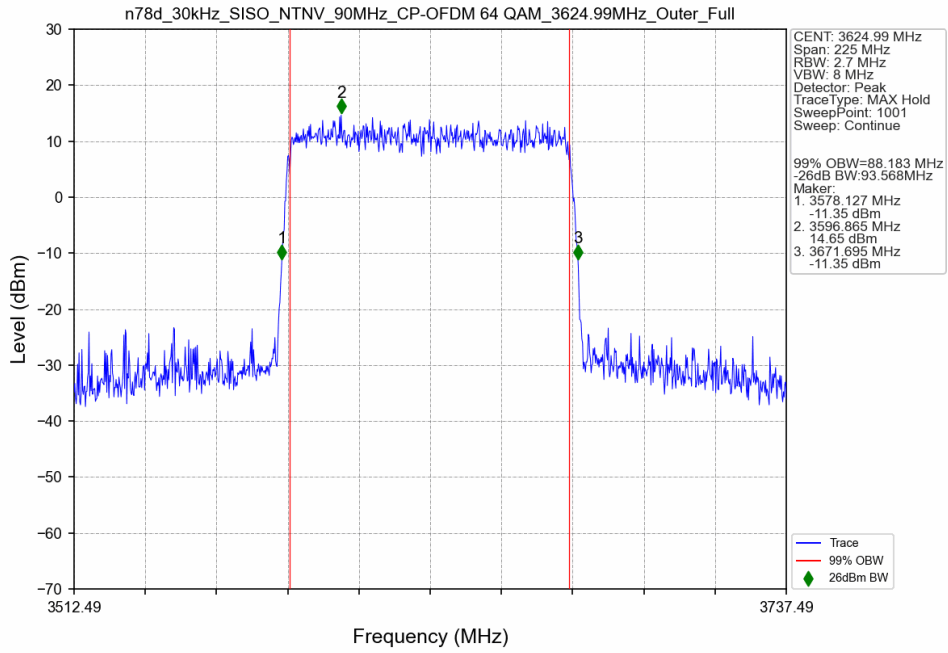

n78d_30kHz_SISO_NTNV_90MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full_Ant2



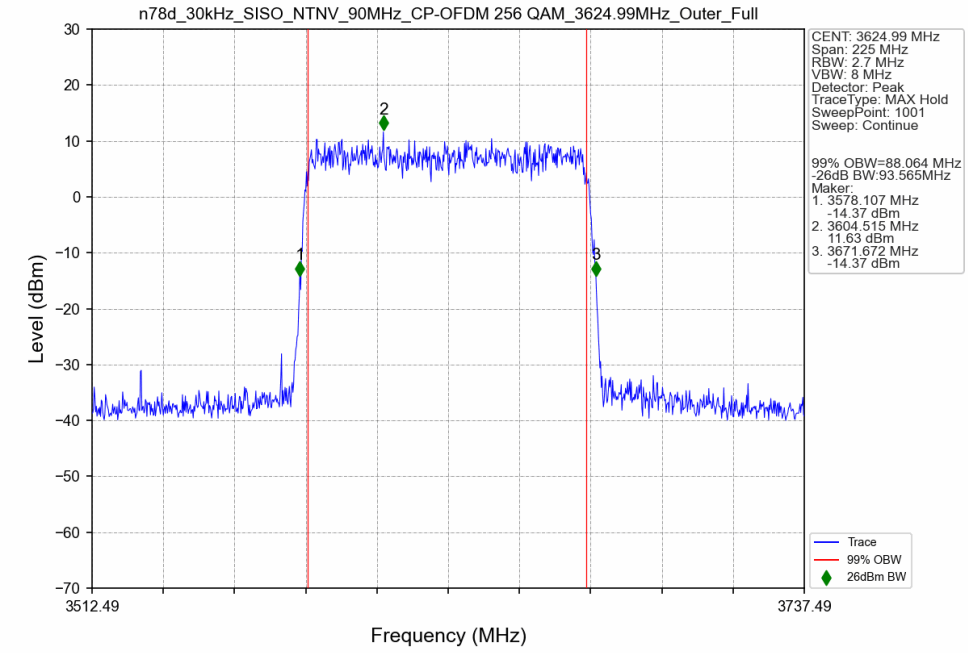
n78d_30kHz_SISO_NTNV_90MHz_CP-OFDM 16 QAM_3624.99MHz_Outer_Full_Ant2




n78d_30kHz_SISO_NTNV_90MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full_Ant2

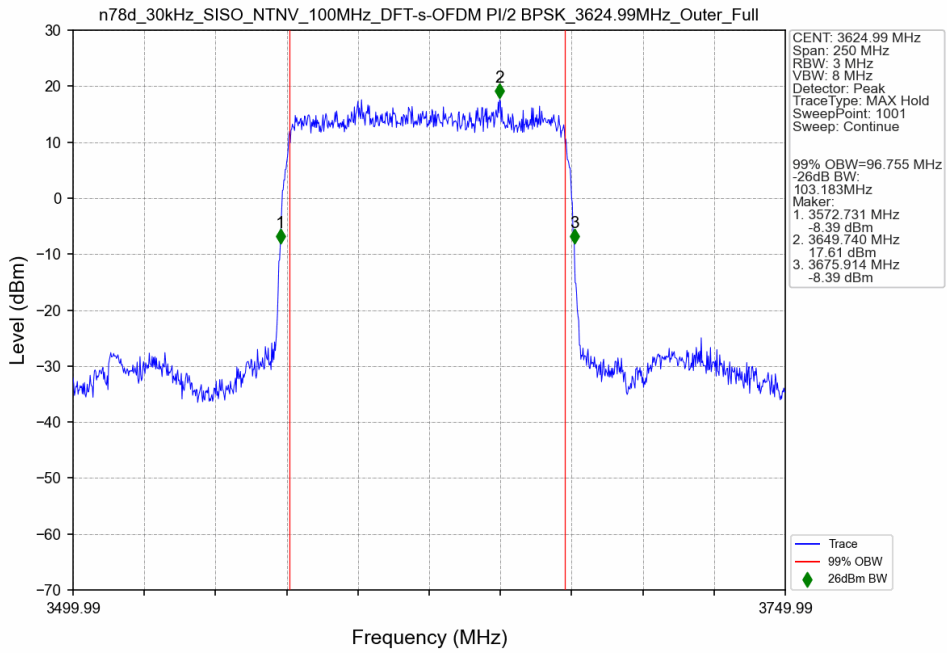


n78d_30kHz_SISO_NTNV_90MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full_Ant2

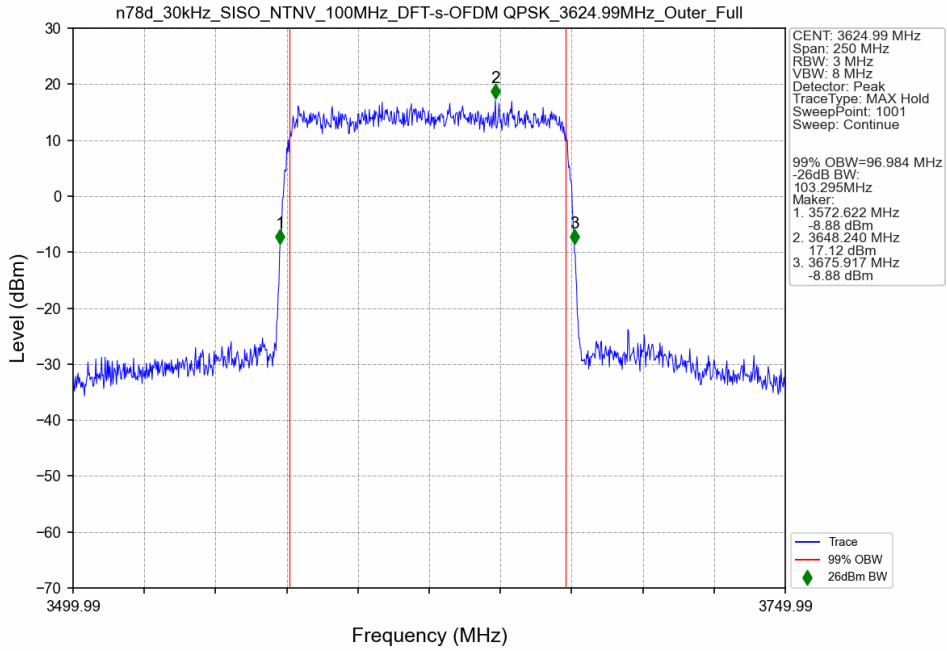


## 3.2.12 30k_SISO_100MHz_NTNV

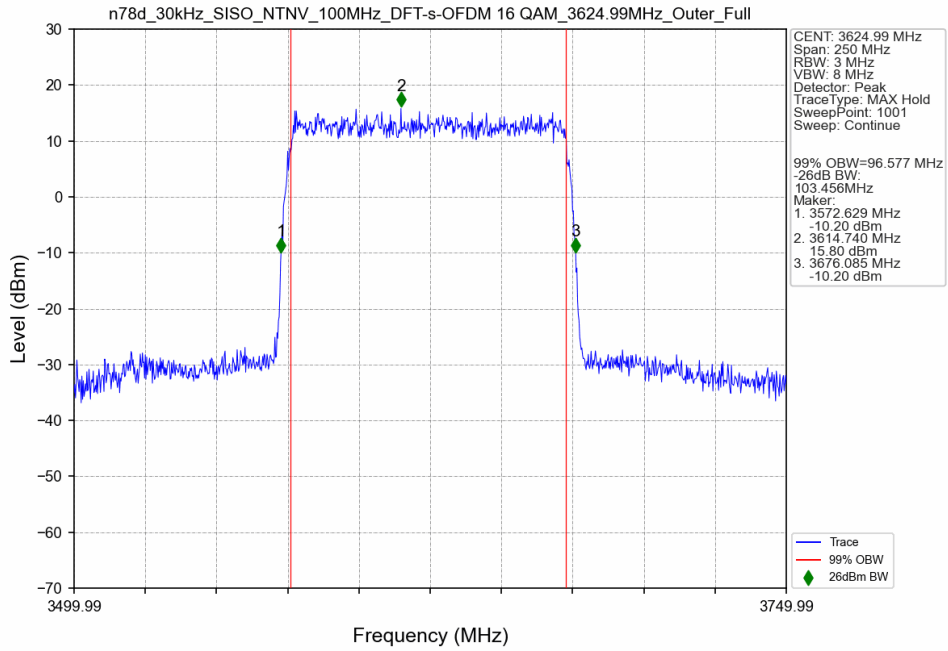
n78d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Outer_Full_Ant2



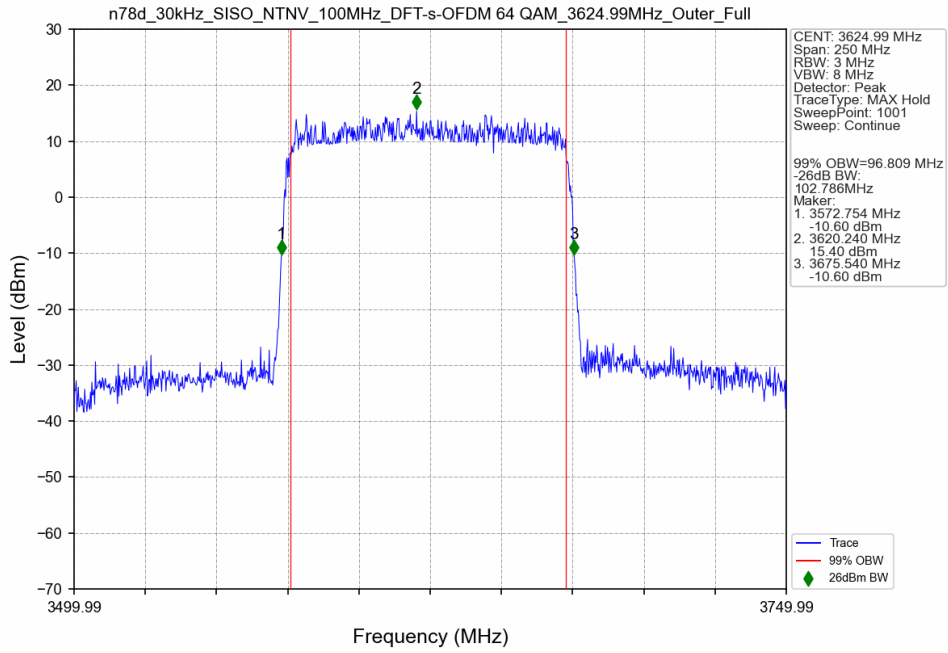

n78d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM QPSK_3624.99MHz_Outer_Full_Ant2



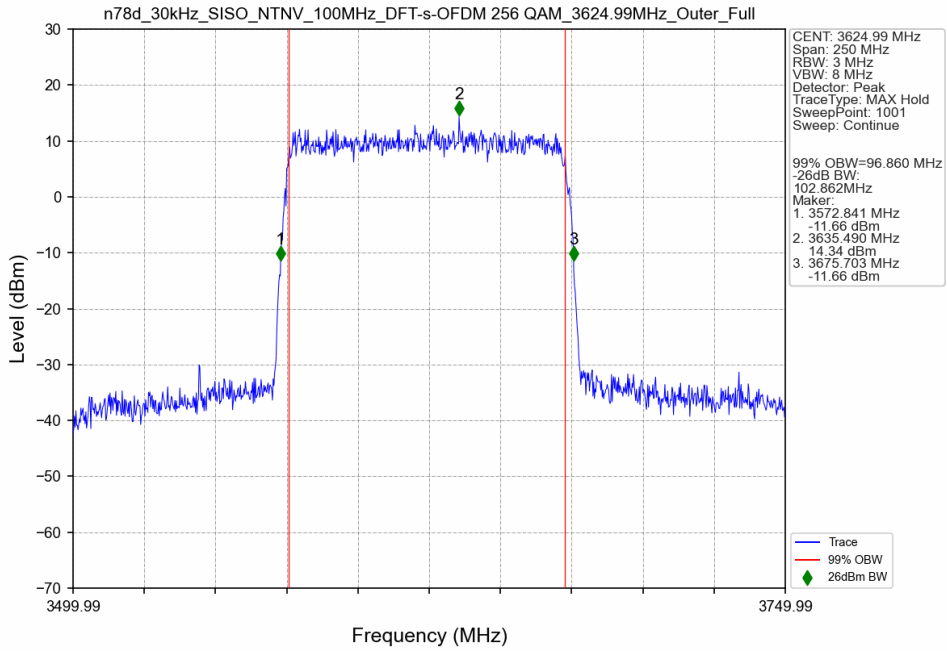
n78d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM 16 QAM_3624.99MHz_Outer_Full_Ant2



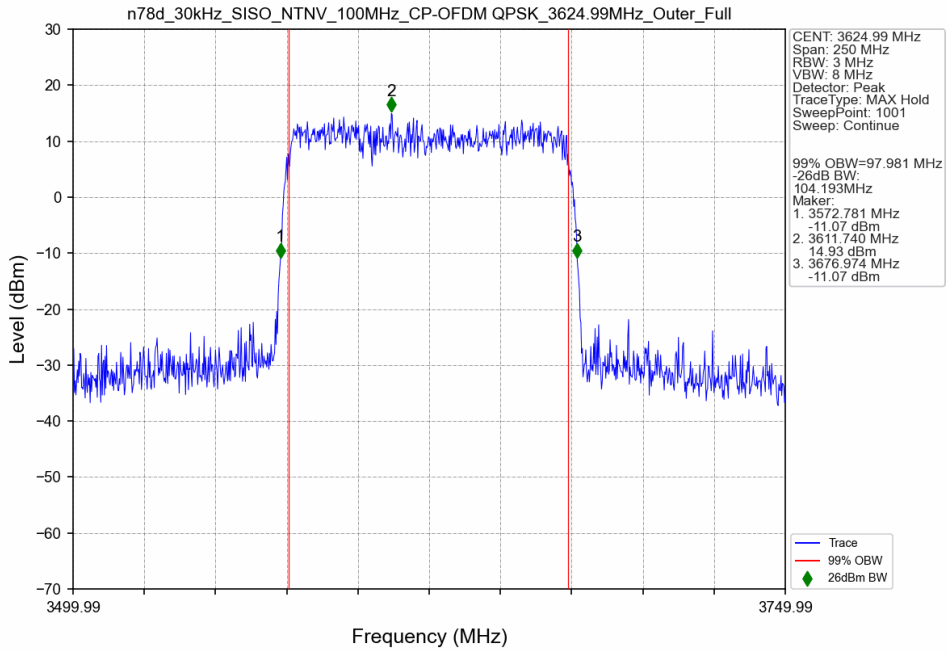

n78d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM 64 QAM_3624.99MHz_Outer_Full_Ant2



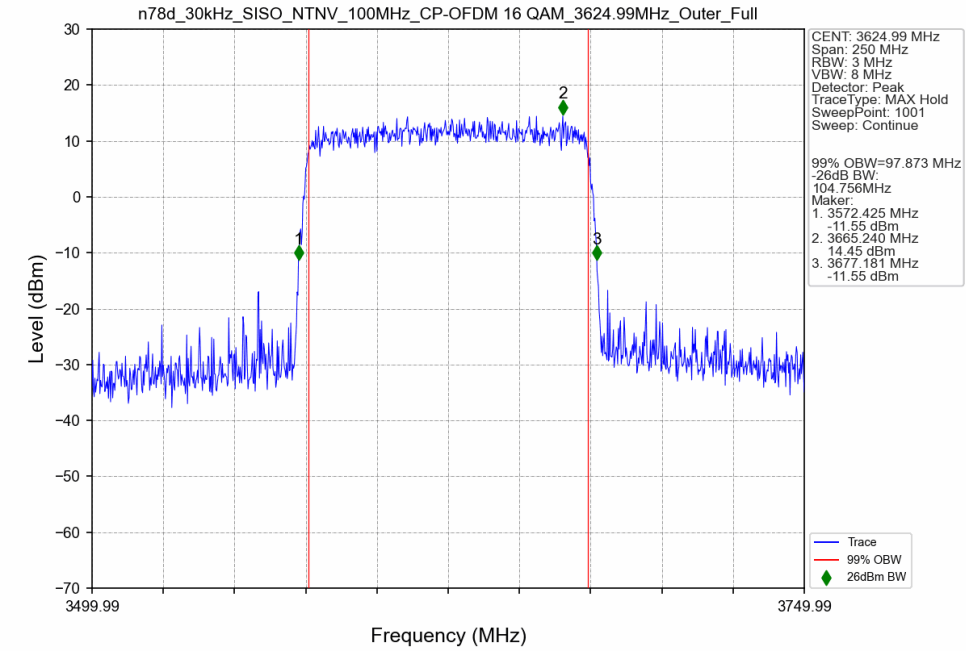
n78d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM 256 QAM_3624.99MHz_Outer_Full_Ant2



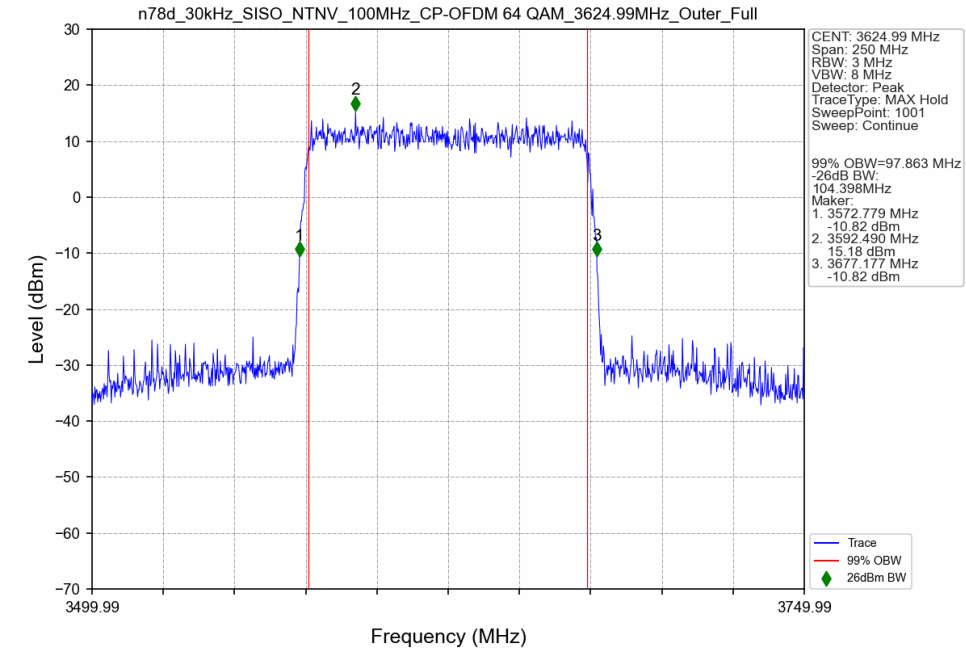

n78d_30kHz_SISO_NTNV_100MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full_Ant2



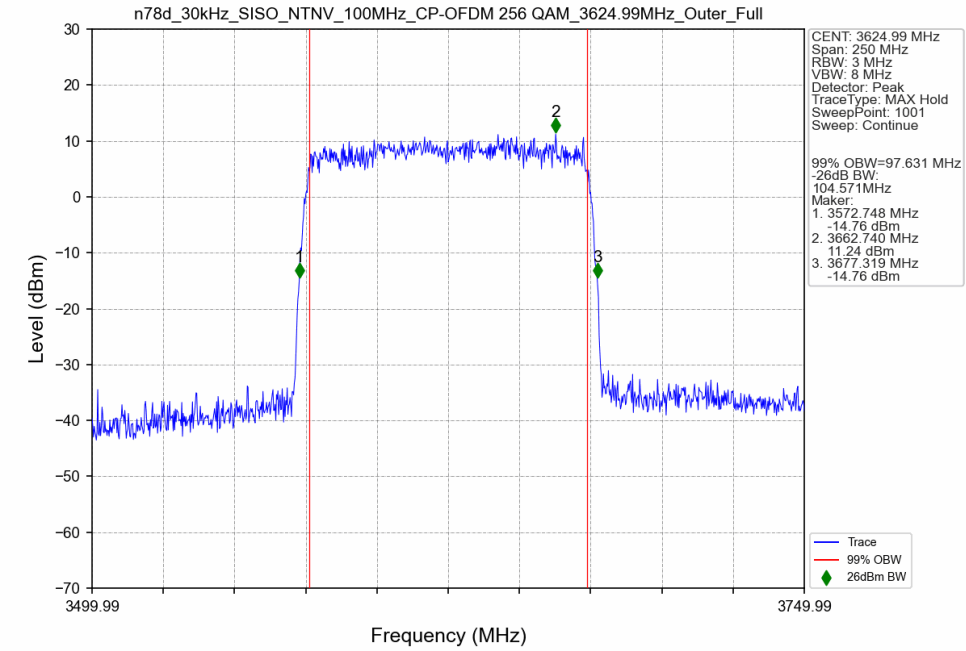
n78d_30kHz_SISO_NTNV_100MHz_CP-OFDM 16 QAM_3624.99MHz_Outer_Full_Ant2




n78d_30kHz_SISO_NTNV_100MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full_Ant2



n78d_30kHz_SISO_NTNV_100MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full_Ant2



# 4. Peak-Average Ratio

## 4.1 Test Result

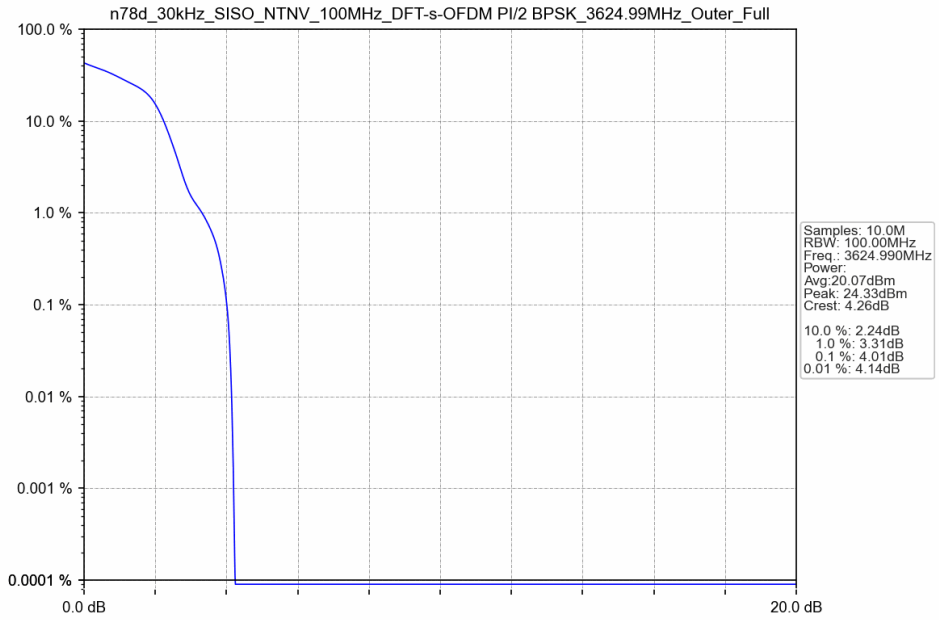
### 4.1.1 30k_SISO_100MHz_NTNV

| 5G NR n78d SCS=30kHz SISO 100MHz NTNV | | | | | | | |
|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | Peak-Average Ratio (dB) | | | | Verdict |
| | | | Ant2 | Ant2* | Sum | Limit | |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | Outer_Full | 4.01 | / | / | <=13 | Pass |
| DFT-s-OFDM QPSK | 3624.99 | Outer_Full | 4.84 | / | / | <=13 | Pass |
| CP-OFDM QPSK | 3624.99 | Outer_Full | 8.33 | / | / | <=13 | Pass |

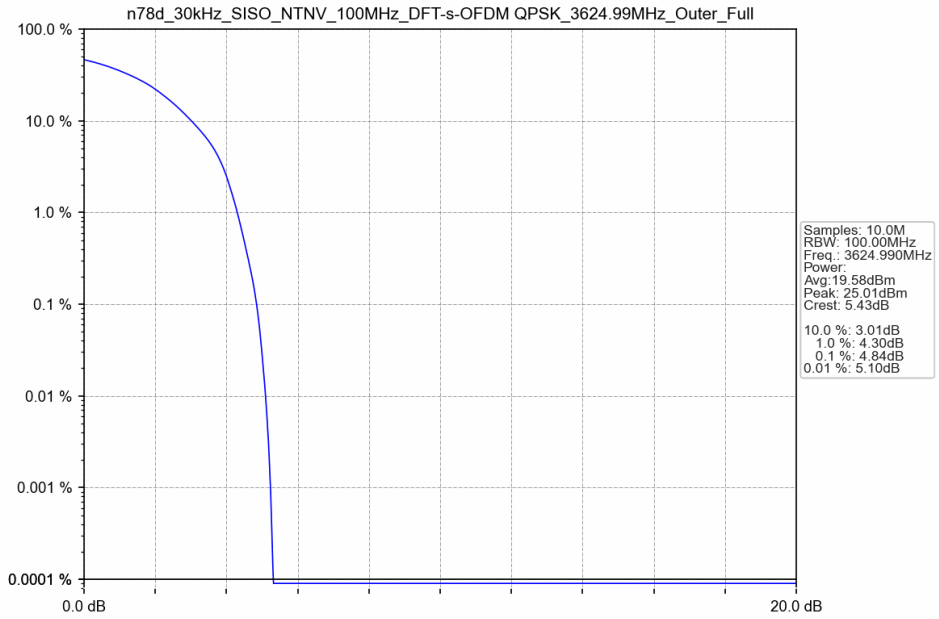
## 4.2 Test Graph

### 4.2.1 30k_SISO_100MHz_NTNV

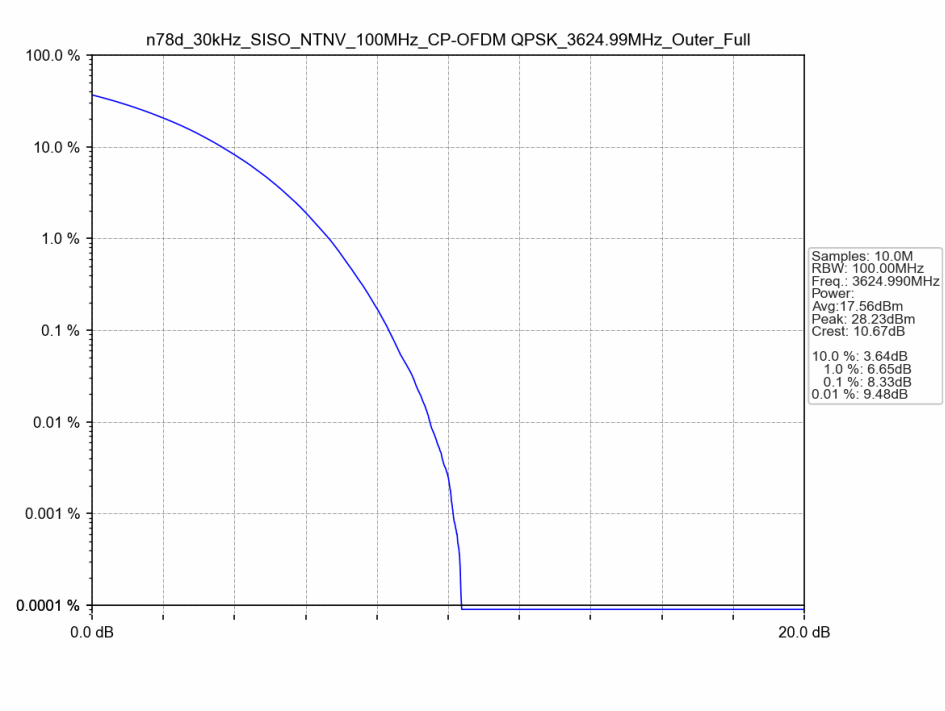
n78d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Outer_Full_Ant2




n78d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM QPSK_3624.99MHz_Outer_Full_Ant2



n78d_30kHz_SISO_NTNV_100MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full_Ant2



# 5. Spurious Emission

## 5.1 Test Result

### 5.1.1 30k_SISO_10MHz_NTNV

| 5G NR n78d SCS=30kHz SISO 10MHz NTNV | | | | | | | |
|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | Spurious Emission | | | | Verdict |
| | | | Ant2 | Ant2* | Sum | Limit | |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | Edge_1RB_Left | Refer To Test Graph | | | | Pass |
| | 3555 | Edge_1RB_Left | Refer To Test Graph | | | | Pass |
| | | Edge_1RB_Right | Refer To Test Graph | | | | Pass |
| | | Outer_Full | Refer To Test Graph | | | | Pass |
| | 3694.98 | Edge_1RB_Left | Refer To Test Graph | | | | Pass |
| | | Edge_1RB_Right | Refer To Test Graph | | | | Pass |
| | | Outer_Full | Refer To Test Graph | | | | Pass |
| DFT-s-OFDM QPSK | 3624.99 | Edge_1RB_Left | Refer To Test Graph | | | | Pass |
| | 3555 | Edge_1RB_Left | Refer To Test Graph | | | | Pass |
| | | Edge_1RB_Right | Refer To Test Graph | | | | Pass |
| | | Outer_Full | Refer To Test Graph | | | | Pass |
| | 3694.98 | Edge_1RB_Left | Refer To Test Graph | | | | Pass |
| | | Edge_1RB_Right | Refer To Test Graph | | | | Pass |
| | | Outer_Full | Refer To Test Graph | | | | Pass |
| CP-OFDM QPSK | 3624.99 | Edge_1RB_Left | Refer To Test Graph | | | | Pass |
| | 3555 | Edge_1RB_Left | Refer To Test Graph | | | | Pass |
| | | Edge_1RB_Right | Refer To Test Graph | | | | Pass |
| | | Outer_Full | Refer To Test Graph | | | | Pass |
| | 3694.98 | Edge_1RB_Left | Refer To Test Graph | | | | Pass |
| | | Edge_1RB_Right | Refer To Test Graph | | | | Pass |
| | | Outer_Full | Refer To Test Graph | | | | Pass |

### 5.1.2 30k_SISO_50MHz_NTNV

| 5G NR n78d SCS=30kHz SISO 50MHz NTNV | | | | | | | |
|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | Spurious Emission | | | | Verdict |
| | | | Ant2 | Ant2* | Sum | Limit | |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | Edge_1RB_Left | Refer To Test Graph | | | | Pass |
| | 3575.01 | Edge_1RB_Left | Refer To Test Graph | | | | Pass |
| | | Edge_1RB_Right | Refer To Test Graph | | | | Pass |
| | | Outer_Full | Refer To Test Graph | | | | Pass |
| | 3675 | Edge_1RB_Left | Refer To Test Graph | | | | Pass |
| | | Edge_1RB_Right | Refer To Test Graph | | | | Pass |
| | | Outer_Full | Refer To Test Graph | | | | Pass |
| DFT-s-OFDM QPSK | 3624.99 | Edge_1RB_Left | Refer To Test Graph | | | | Pass |
| | 3575.01 | Edge_1RB_Left | Refer To Test Graph | | | | Pass |
| | | Edge_1RB_Right | Refer To Test Graph | | | | Pass |
| | | Outer_Full | Refer To Test Graph | | | | Pass |
| | 3675 | Edge_1RB_Left | Refer To Test Graph | | | | Pass |
| | | Edge_1RB_Right | Refer To Test Graph | | | | Pass |
| | | Outer_Full | Refer To Test Graph | | | | Pass |
| CP-OFDM QPSK | 3624.99 | Edge_1RB_Left | Refer To Test Graph | | | | Pass |
| | 3575.01 | Edge_1RB_Left | Refer To Test Graph | | | | Pass |
| | | Edge_1RB_Right | Refer To Test Graph | | | | Pass |
| | | Outer_Full | Refer To Test Graph | | | | Pass |

| | | | | |
|---|---|---|---|---|
| | 3675 | Edge_1RB_Left | Refer To Test Graph | Pass |
| | | Edge_1RB_Right | Refer To Test Graph | Pass |
| | | Outer_Full | Refer To Test Graph | Pass |

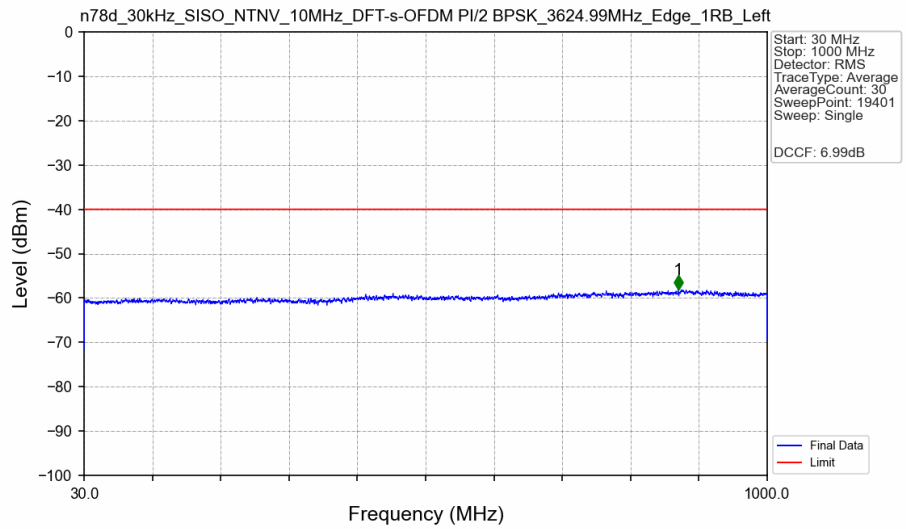
### 5.1.3 30k_SISO_100MHz_NTNV

| 5G NR n78d SCS=30kHz SISO 100MHz NTNV | | | | | | | |
|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | Spurious Emission | | | | Verdict |
| | | | Ant2 | Ant2* | Sum | Limit | |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | Edge_1RB_Left | Refer To Test Graph | | | | Pass |
| | 3600 | Edge_1RB_Left | Refer To Test Graph | | | | Pass |
| | | Edge_1RB_Right | Refer To Test Graph | | | | Pass |
| | | Outer_Full | Refer To Test Graph | | | | Pass |
| | 3649.98 | Edge_1RB_Left | Refer To Test Graph | | | | Pass |
| | | Edge_1RB_Right | Refer To Test Graph | | | | Pass |
| | | Outer_Full | Refer To Test Graph | | | | Pass |
| DFT-s-OFDM QPSK | 3624.99 | Edge_1RB_Left | Refer To Test Graph | | | | Pass |
| | 3600 | Edge_1RB_Left | Refer To Test Graph | | | | Pass |
| | | Edge_1RB_Right | Refer To Test Graph | | | | Pass |
| | | Outer_Full | Refer To Test Graph | | | | Pass |
| | 3649.98 | Edge_1RB_Left | Refer To Test Graph | | | | Pass |
| | | Edge_1RB_Right | Refer To Test Graph | | | | Pass |
| | | Outer_Full | Refer To Test Graph | | | | Pass |
| CP-OFDM QPSK | 3624.99 | Edge_1RB_Left | Refer To Test Graph | | | | Pass |
| | 3600 | Edge_1RB_Left | Refer To Test Graph | | | | Pass |
| | | Edge_1RB_Right | Refer To Test Graph | | | | Pass |
| | | Outer_Full | Refer To Test Graph | | | | Pass |
| | 3649.98 | Edge_1RB_Left | Refer To Test Graph | | | | Pass |
| | | Edge_1RB_Right | Refer To Test Graph | | | | Pass |
| | | Outer_Full | Refer To Test Graph | | | | Pass |

## 4.2 Test Graph

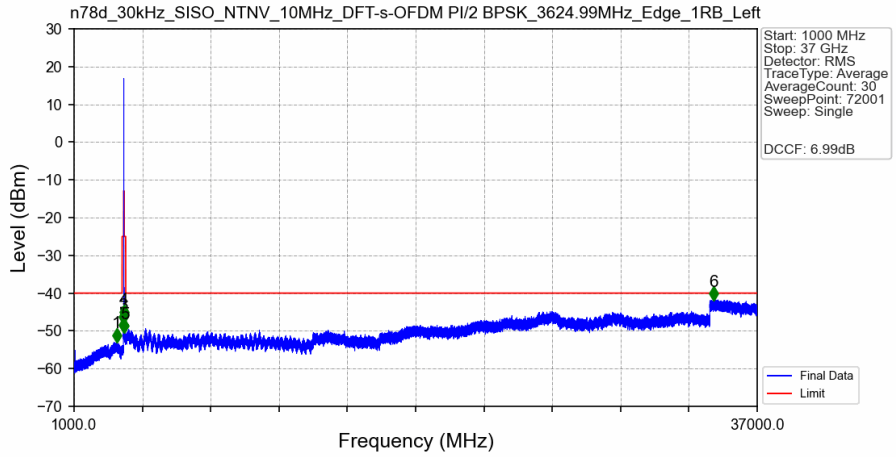
### 5.2.1 30k_SISO_10MHz_NTNV

n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Edge_1RB_Left_Ant2



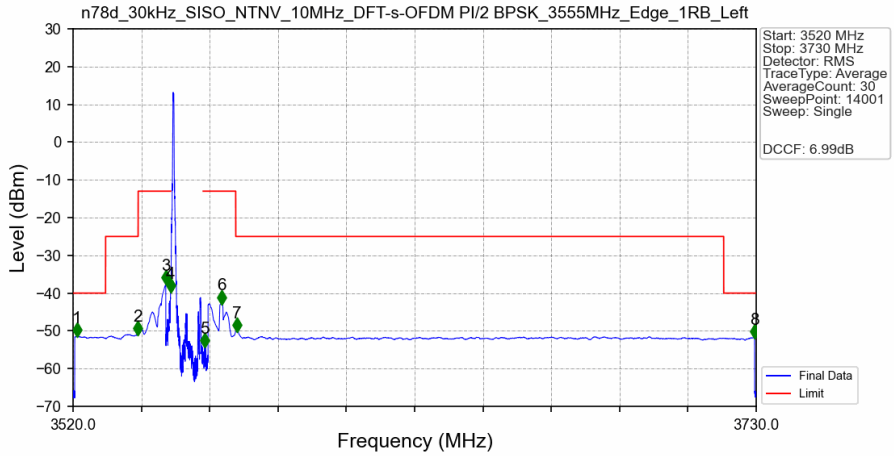

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 30 | 1000 | 1 | CHP | 1 | 873.500 | -58.03 | -40 | Pass |

n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Edge_1RB_Left_Ant2



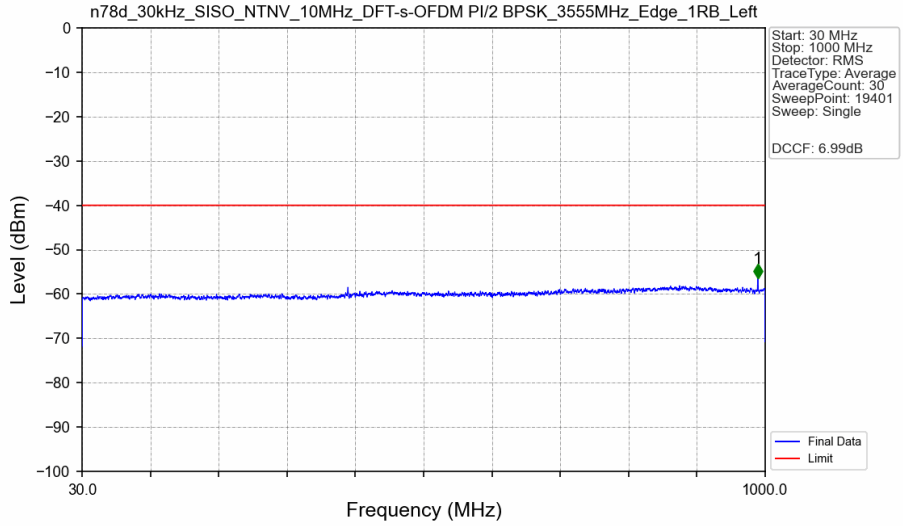

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1000 | 3530 | 1 | / | 1 | 3248.500 | -52.71 | -40 | Pass |
| 3530 | 3609.99 | 1 | / | 2 | 3606.500 | -50.00 | -25 | Pass |
| 3609.99 | 3618.99 | 1 | / | 3 | 3614.500 | -47.84 | -13 | Pass |
| 3618.99 | 3634.99 | 1 | / | / | / | / | / | / |
| 3634.99 | 3639.99 | 1 | / | 4 | 3635.500 | -46.50 | -13 | Pass |
| 3639.99 | 3720 | 1 | / | 5 | 3655.000 | -50.21 | -25 | Pass |
| 3720 | 37000 | 1 | / | 6 | 34689.000 | -41.70 | -40 | Pass |

## n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3555MHz_Edge_1RB_Left_Ant2



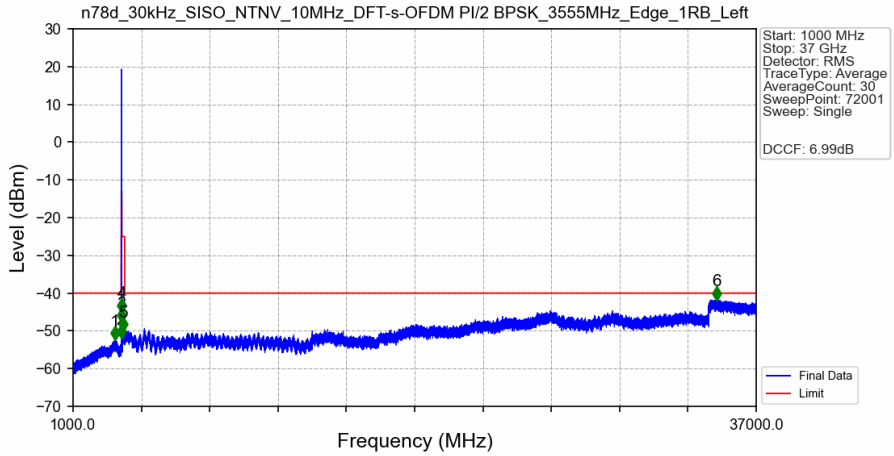

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 3520 | 3530 | 1 | CHP | 1 | 3521.245 | -51.38 | -40 | Pass |
| 3530 | 3540 | 1 | CHP | 2 | 3539.815 | -50.83 | -25 | Pass |
| 3540 | 3549 | 1 | CHP | 3 | 3548.500 | -37.44 | -13 | Pass |
| 3549 | 3550 | 0.03 | / | 4 | 3549.985 | -39.55 | -13 | Pass |
| 3550 | 3560 | 0.03 | / | / | / | / | / | / |
| 3560 | 3561 | 0.03 | / | 5 | 3560.425 | -54.13 | -13 | Pass |
| 3561 | 3570 | 1 | CHP | 6 | 3565.780 | -42.67 | -13 | Pass |
| 3570 | 3720 | 1 | CHP | 7 | 3570.415 | -50.02 | -25 | Pass |
| 3720 | 3730 | 1 | CHP | 8 | 3729.475 | -51.74 | -40 | Pass |

## n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3555MHz_Edge_1RB_Left_Ant2



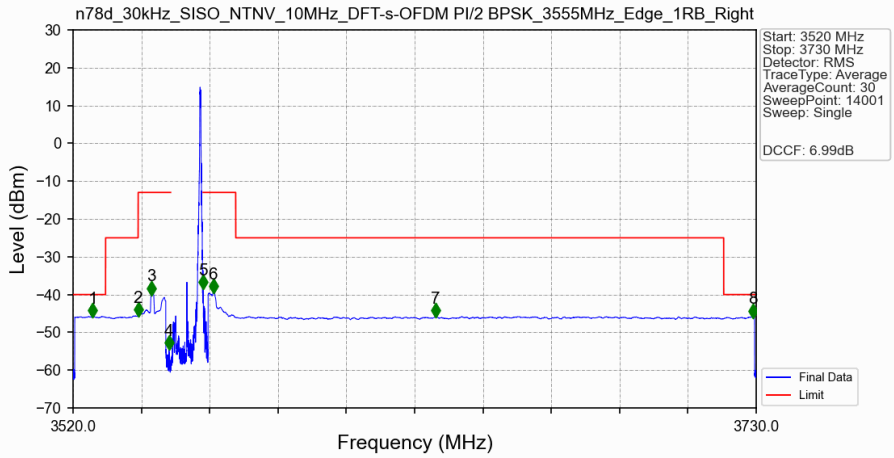

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 30 | 1000 | 1 | CHP | 1 | 989.300 | -56.38 | -40 | Pass |

## n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3555MHz_Edge_1RB_Left_Ant2



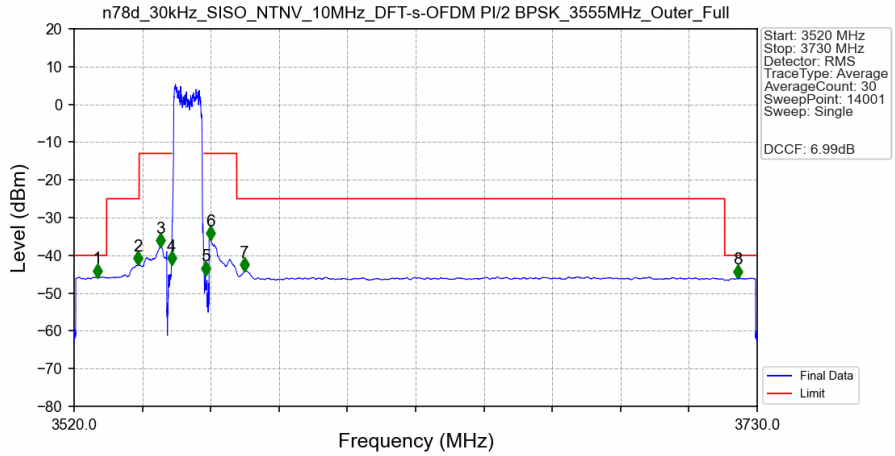

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1000 | 3530 | 1 | / | 1 | 3196.500 | -52.13 | -40 | Pass |
| 3530 | 3540 | 1 | / | 2 | 3539.500 | -51.69 | -25 | Pass |
| 3540 | 3549 | 1 | / | 3 | 3544.000 | -47.50 | -13 | Pass |
| 3549 | 3565 | 1 | / | / | / | / | / | / |
| 3565 | 3570 | 1 | / | 4 | 3565.500 | -44.79 | -13 | Pass |
| 3570 | 3720 | 1 | / | 5 | 3641.500 | -49.84 | -25 | Pass |
| 3720 | 37000 | 1 | / | 6 | 34930.000 | -41.62 | -40 | Pass |

## n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3555MHz_Edge_1RB_Right_Ant2



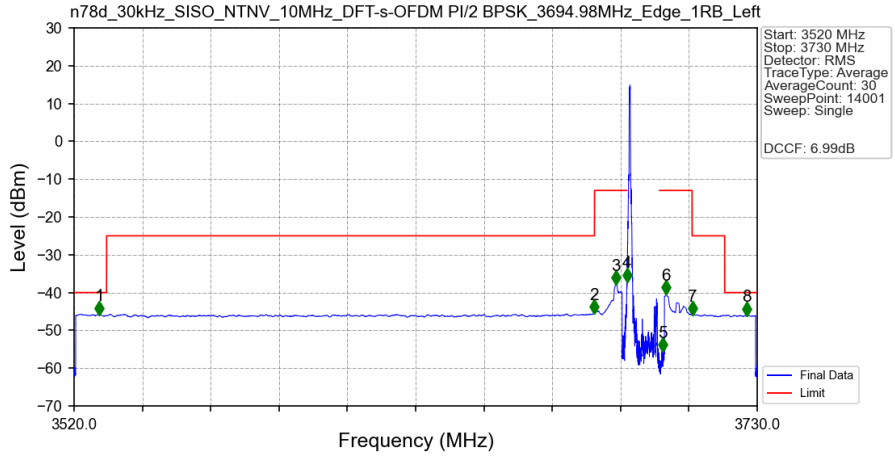

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 3520 | 3530 | 1 | CHP | 1 | 3526.000 | -45.79 | -40 | Pass |
| 3530 | 3540 | 1 | CHP | 2 | 3539.995 | -45.50 | -25 | Pass |
| 3540 | 3549 | 1 | CHP | 3 | 3544.075 | -39.87 | -13 | Pass |
| 3549 | 3550 | 0.03 | / | 4 | 3549.505 | -54.29 | -13 | Pass |
| 3550 | 3560 | 0.03 | / | / | / | / | / | / |
| 3560 | 3561 | 0.03 | / | 5 | 3560.005 | -38.24 | -13 | Pass |
| 3561 | 3570 | 1 | CHP | 6 | 3563.080 | -39.38 | -13 | Pass |
| 3570 | 3720 | 1 | CHP | 7 | 3631.525 | -45.75 | -25 | Pass |
| 3720 | 3730 | 1 | CHP | 8 | 3729.070 | -45.86 | -40 | Pass |

## n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3555MHz_Outer_Full_Ant2



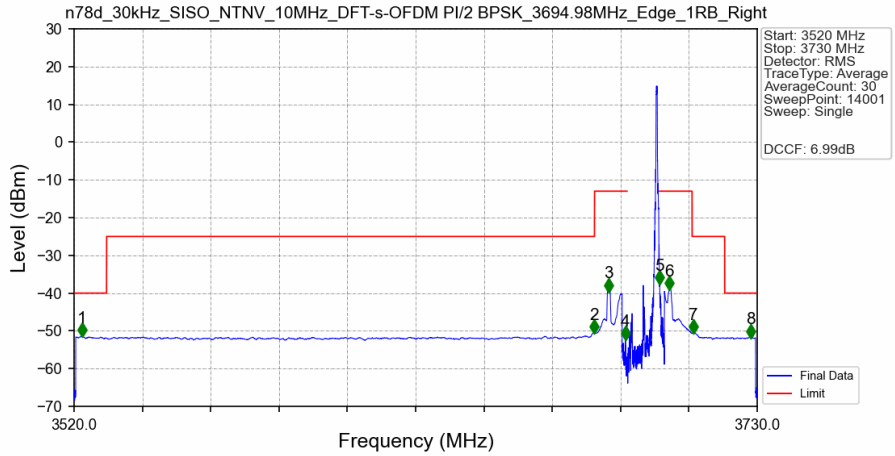

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 3520 | 3530 | 1 | CHP | 1 | 3527.110 | -45.64 | -40 | Pass |
| 3530 | 3540 | 1 | CHP | 2 | 3539.680 | -42.35 | -25 | Pass |
| 3540 | 3549 | 1 | CHP | 3 | 3546.610 | -37.65 | -13 | Pass |
| 3549 | 3550 | 0.09283 | CHP | 4 | 3549.985 | -42.23 | -13 | Pass |
| 3550 | 3560 | 0.09283 | CHP | / | / | / | / | / |
| 3560 | 3561 | 0.09283 | CHP | 5 | 3560.365 | -44.99 | -13 | Pass |
| 3561 | 3570 | 1 | CHP | 6 | 3561.865 | -35.62 | -13 | Pass |
| 3570 | 3720 | 1 | CHP | 7 | 3572.395 | -43.96 | -25 | Pass |
| 3720 | 3730 | 1 | CHP | 8 | 3724.120 | -45.83 | -40 | Pass |

## n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3694.98MHz_Edge_1RB_Left_Ant2



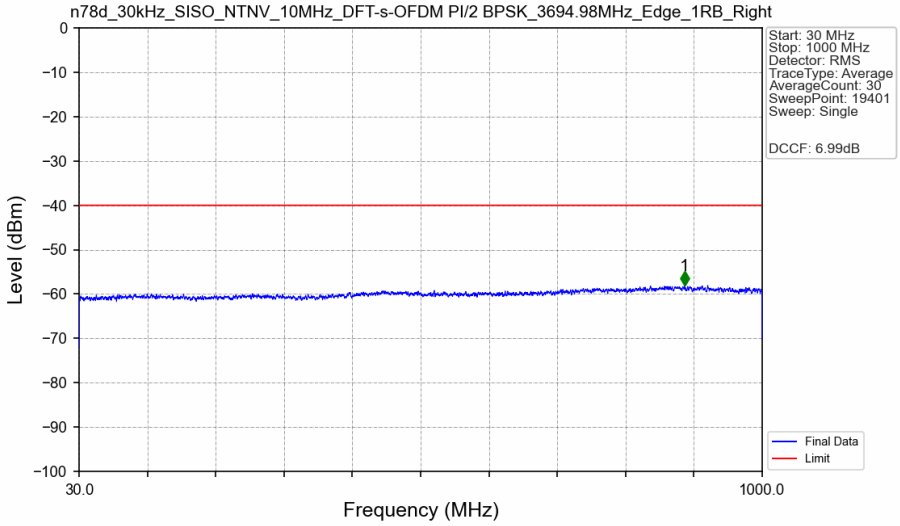

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 3520 | 3530 | 1 | CHP | 1 | 3527.740 | -45.66 | -40 | Pass |
| 3530 | 3679.98 | 1 | CHP | 2 | 3679.975 | -45.40 | -25 | Pass |
| 3679.98 | 3688.98 | 1 | CHP | 3 | 3686.485 | -37.60 | -13 | Pass |
| 3688.98 | 3689.98 | 0.03 | / | 4 | 3689.920 | -36.91 | -13 | Pass |
| 3689.98 | 3699.98 | 0.03 | / | / | / | / | / | / |
| 3699.98 | 3700.98 | 0.03 | / | 5 | 3700.975 | -55.41 | -13 | Pass |
| 3700.98 | 3709.98 | 1 | CHP | 6 | 3701.950 | -40.24 | -13 | Pass |
| 3709.98 | 3720 | 1 | CHP | 7 | 3710.080 | -45.74 | -25 | Pass |
| 3720 | 3730 | 1 | CHP | 8 | 3726.775 | -45.85 | -40 | Pass |

## n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3694.98MHz_Edge_1RB_Right_Ant2



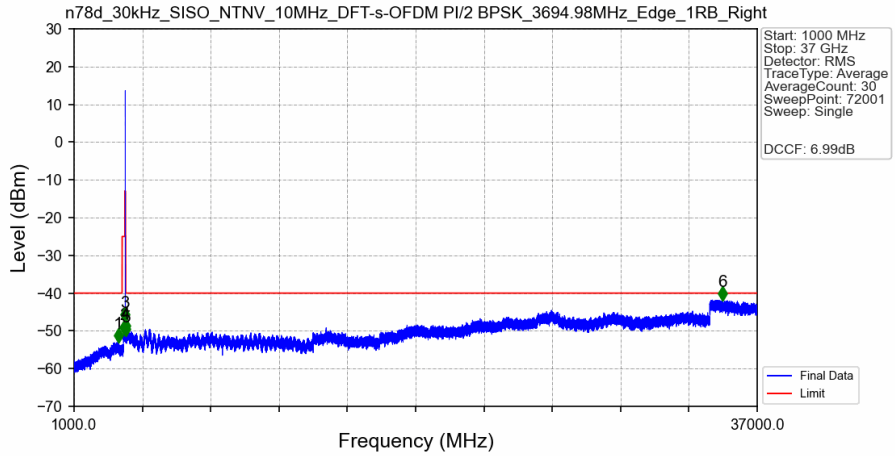

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 3520 | 3530 | 1 | CHP | 1 | 3522.445 | -51.38 | -40 | Pass |
| 3530 | 3679.98 | 1 | CHP | 2 | 3679.915 | -50.44 | -25 | Pass |
| 3679.98 | 3688.98 | 1 | CHP | 3 | 3684.220 | -39.44 | -13 | Pass |
| 3688.98 | 3689.98 | 0.03 | / | 4 | 3689.500 | -52.20 | -13 | Pass |
| 3689.98 | 3699.98 | 0.03 | / | / | / | / | / | / |
| 3699.98 | 3700.98 | 0.03 | / | 5 | 3700.030 | -37.40 | -13 | Pass |
| 3700.98 | 3709.98 | 1 | CHP | 6 | 3703.030 | -38.85 | -13 | Pass |
| 3709.98 | 3720 | 1 | CHP | 7 | 3710.290 | -50.50 | -25 | Pass |
| 3720 | 3730 | 1 | CHP | 8 | 3728.005 | -51.63 | -40 | Pass |

## n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3694.98MHz_Edge_1RB_Right_Ant2



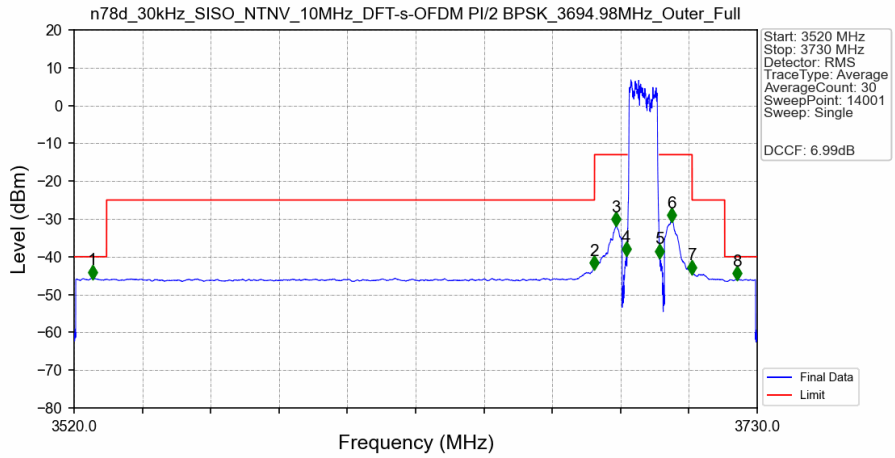

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 30 | 1000 | 1 | CHP | 1 | 889.700 | -58.05 | -40 | Pass |

## n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3694.98MHz_Edge_1RB_Right_Ant2



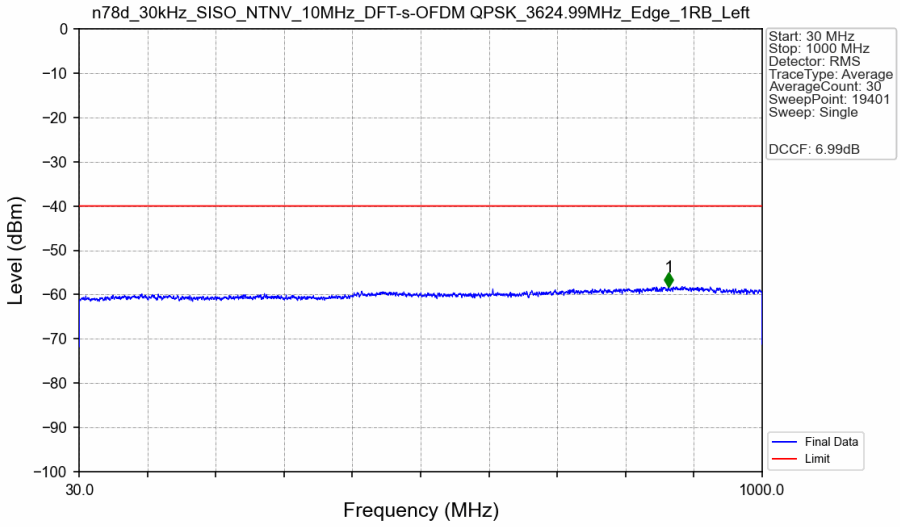

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1000 | 3530 | 1 | / | 1 | 3326.500 | -52.87 | -40 | Pass |
| 3530 | 3679.98 | 1 | / | 2 | 3626.000 | -50.59 | -25 | Pass |
| 3679.98 | 3688.98 | 1 | / | 3 | 3684.000 | -47.20 | -13 | Pass |
| 3688.98 | 3704.98 | 1 | / | / | / | / | / | / |
| 3704.98 | 3709.98 | 1 | / | 4 | 3706.500 | -50.28 | -13 | Pass |
| 3709.98 | 3720 | 1 | / | 5 | 3715.000 | -51.04 | -25 | Pass |
| 3720 | 37000 | 1 | / | 6 | 35186.500 | -41.76 | -40 | Pass |

## n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3694.98MHz_Outer_Full_Ant2



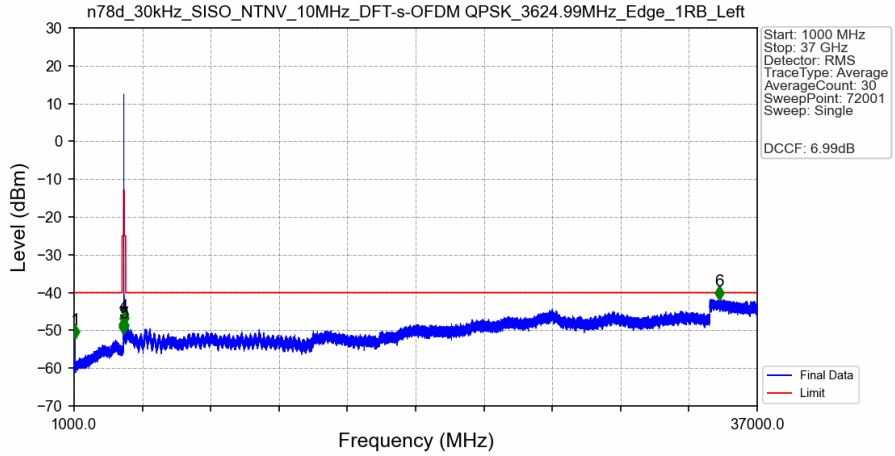

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 3520 | 3530 | 1 | CHP | 1 | 3525.685 | -45.62 | -40 | Pass |
| 3530 | 3679.98 | 1 | CHP | 2 | 3679.975 | -43.12 | -25 | Pass |
| 3679.98 | 3688.98 | 1 | CHP | 3 | 3686.635 | -31.67 | -13 | Pass |
| 3688.98 | 3689.98 | 0.09449 | CHP | 4 | 3689.800 | -39.53 | -13 | Pass |
| 3689.98 | 3699.98 | 0.09449 | CHP | / | / | / | / | / |
| 3699.98 | 3700.98 | 0.09449 | CHP | 5 | 3700.000 | -40.04 | -13 | Pass |
| 3700.98 | 3709.98 | 1 | CHP | 6 | 3703.645 | -30.60 | -13 | Pass |
| 3709.98 | 3720 | 1 | CHP | 7 | 3709.990 | -44.33 | -25 | Pass |
| 3720 | 3730 | 1 | CHP | 8 | 3723.760 | -45.90 | -40 | Pass |

## n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3624.99MHz_Edge_1RB_Left_Ant2



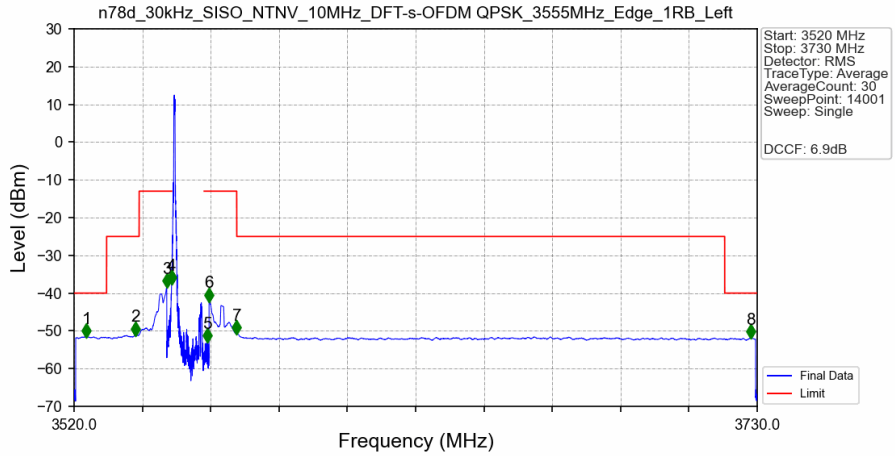

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 30 | 1000 | 1 | CHP | 1 | 867.300 | -58.15 | -40 | Pass |

## n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3624.99MHz_Edge_1RB_Left_Ant2



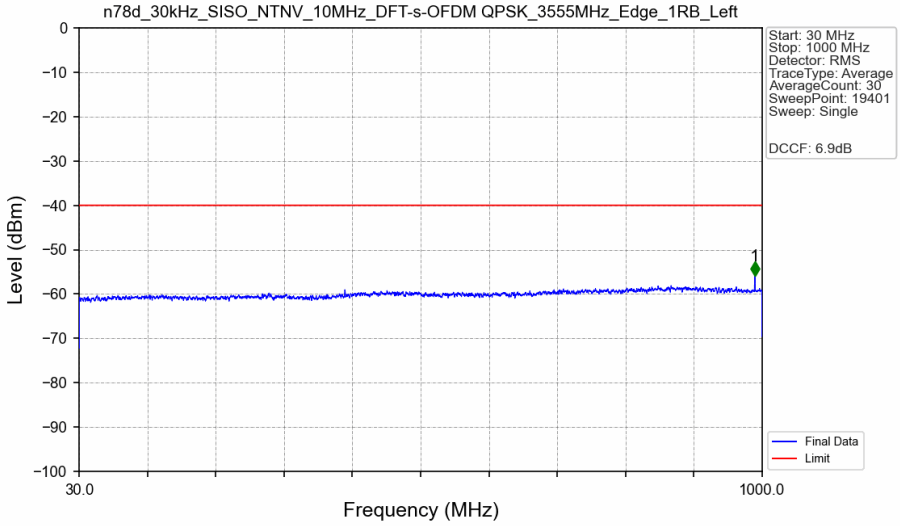

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1000 | 3530 | 1 | / | 1 | 1059.500 | -52.03 | -40 | Pass |
| 3530 | 3609.99 | 1 | / | 2 | 3605.000 | -50.54 | -25 | Pass |
| 3609.99 | 3618.99 | 1 | / | 3 | 3613.000 | -50.06 | -13 | Pass |
| 3618.99 | 3634.99 | 1 | / | / | / | / | / | / |
| 3634.99 | 3639.99 | 1 | / | 4 | 3635.000 | -48.34 | -13 | Pass |
| 3639.99 | 3720 | 1 | / | 5 | 3645.500 | -50.29 | -25 | Pass |
| 3720 | 37000 | 1 | / | 6 | 34988.500 | -41.72 | -40 | Pass |

## n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3555MHz_Edge_1RB_Left_Ant2



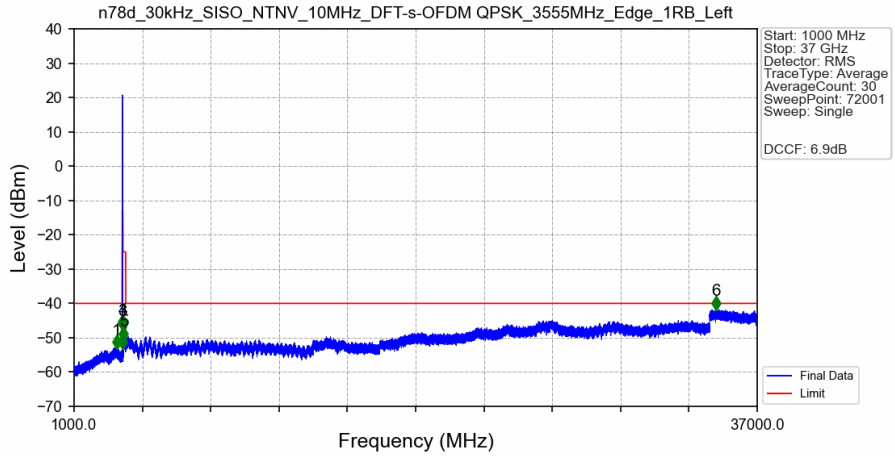

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 3520 | 3530 | 1 | CHP | 1 | 3523.750 | -51.54 | -40 | Pass |
| 3530 | 3540 | 1 | CHP | 2 | 3538.825 | -50.98 | -25 | Pass |
| 3540 | 3549 | 1 | CHP | 3 | 3548.440 | -38.34 | -13 | Pass |
| 3549 | 3550 | 0.03 | / | 4 | 3549.985 | -37.41 | -13 | Pass |
| 3550 | 3560 | 0.03 | / | / | / | / | / | / |
| 3560 | 3561 | 0.03 | / | 5 | 3560.965 | -52.76 | -13 | Pass |
| 3561 | 3570 | 1 | CHP | 6 | 3561.505 | -42.05 | -13 | Pass |
| 3570 | 3720 | 1 | CHP | 7 | 3570.010 | -50.72 | -25 | Pass |
| 3720 | 3730 | 1 | CHP | 8 | 3728.065 | -51.80 | -40 | Pass |

## n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3555MHz_Edge_1RB_Left_Ant2



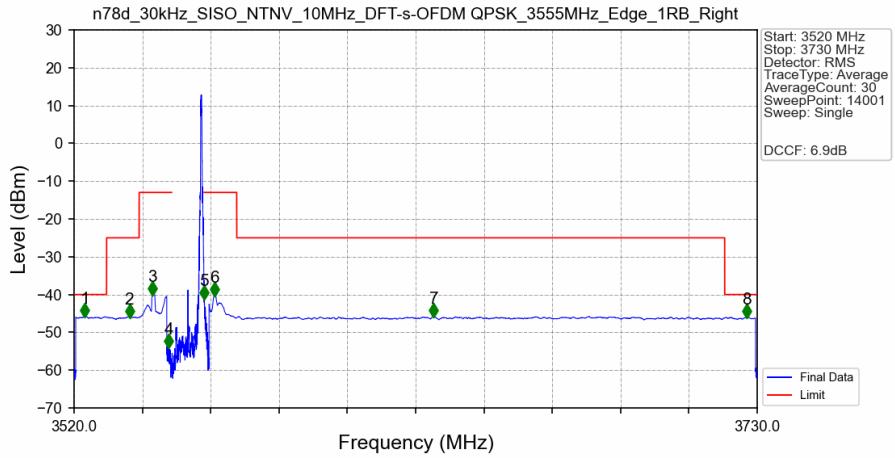

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 30 | 1000 | 1 | CHP | 1 | 989.700 | -55.78 | -40 | Pass |

## n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3555MHz_Edge_1RB_Left_Ant2



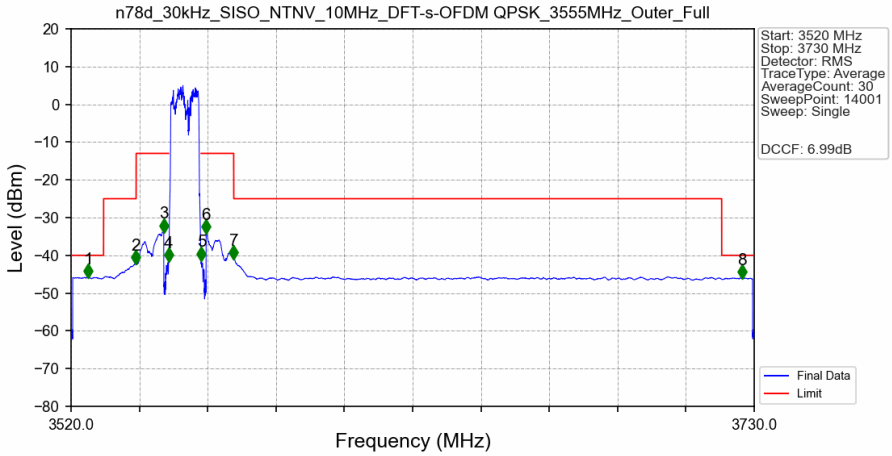

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1000 | 3530 | 1 | / | 1 | 3242.500 | -52.94 | -40 | Pass |
| 3530 | 3540 | 1 | / | 2 | 3540.000 | -52.98 | -25 | Pass |
| 3540 | 3549 | 1 | / | 3 | 3544.500 | -47.48 | -13 | Pass |
| 3549 | 3565 | 1 | / | / | / | / | / | / |
| 3565 | 3570 | 1 | / | 4 | 3565.500 | -47.02 | -13 | Pass |
| 3570 | 3720 | 1 | / | 5 | 3613.500 | -50.50 | -25 | Pass |
| 3720 | 37000 | 1 | / | 6 | 34826.500 | -41.58 | -40 | Pass |

## n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3555MHz_Edge_1RB_Right_Ant2



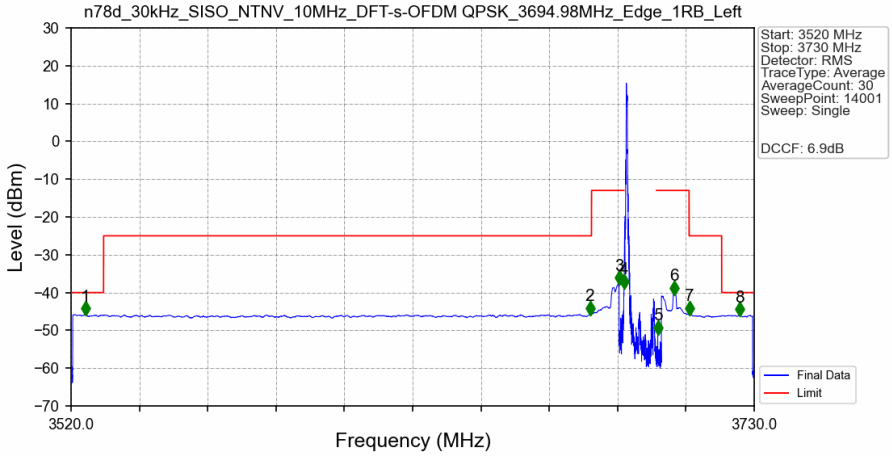

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 3520 | 3530 | 1 | CHP | 1 | 3523.315 | -45.75 | -40 | Pass |
| 3530 | 3540 | 1 | CHP | 2 | 3537.040 | -45.90 | -25 | Pass |
| 3540 | 3549 | 1 | CHP | 3 | 3544.075 | -40.05 | -13 | Pass |
| 3549 | 3550 | 0.03 | / | 4 | 3549.145 | -53.90 | -13 | Pass |
| 3550 | 3560 | 0.03 | / | / | / | / | / | / |
| 3560 | 3561 | 0.03 | / | 5 | 3560.035 | -41.06 | -13 | Pass |
| 3561 | 3570 | 1 | CHP | 6 | 3563.290 | -40.18 | -13 | Pass |
| 3570 | 3720 | 1 | CHP | 7 | 3630.565 | -45.77 | -25 | Pass |
| 3720 | 3730 | 1 | CHP | 8 | 3726.760 | -45.97 | -40 | Pass |

## n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3555MHz_Outer_Full_Ant2



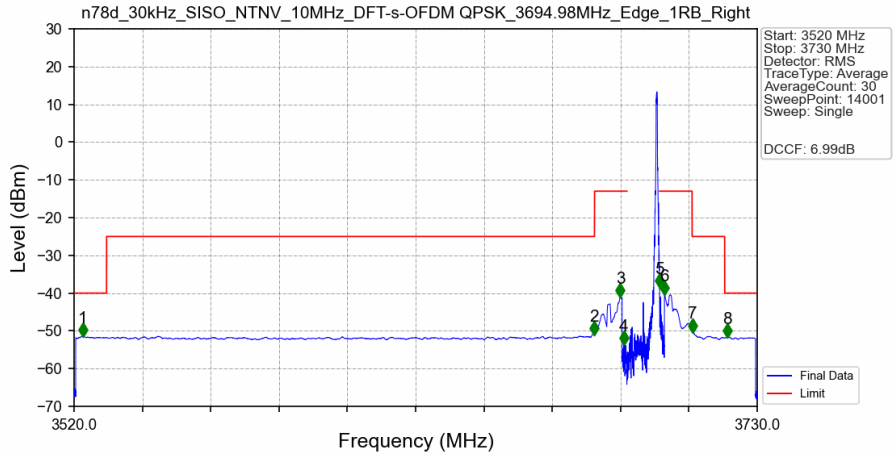

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 3520 | 3530 | 1 | CHP | 1 | 3525.325 | -45.77 | -40 | Pass |
| 3530 | 3540 | 1 | CHP | 2 | 3539.815 | -42.07 | -25 | Pass |
| 3540 | 3549 | 1 | CHP | 3 | 3548.500 | -33.61 | -13 | Pass |
| 3549 | 3550 | 0.0937 | CHP | 4 | 3549.985 | -41.48 | -13 | Pass |
| 3550 | 3560 | 0.0937 | CHP | / | / | / | / | / |
| 3560 | 3561 | 0.0937 | CHP | 5 | 3560.080 | -41.15 | -13 | Pass |
| 3561 | 3570 | 1 | CHP | 6 | 3561.535 | -33.95 | -13 | Pass |
| 3570 | 3720 | 1 | CHP | 7 | 3570.010 | -40.73 | -25 | Pass |
| 3720 | 3730 | 1 | CHP | 8 | 3726.160 | -45.93 | -40 | Pass |

## n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3694.98MHz_Edge_1RB_Left_Ant2



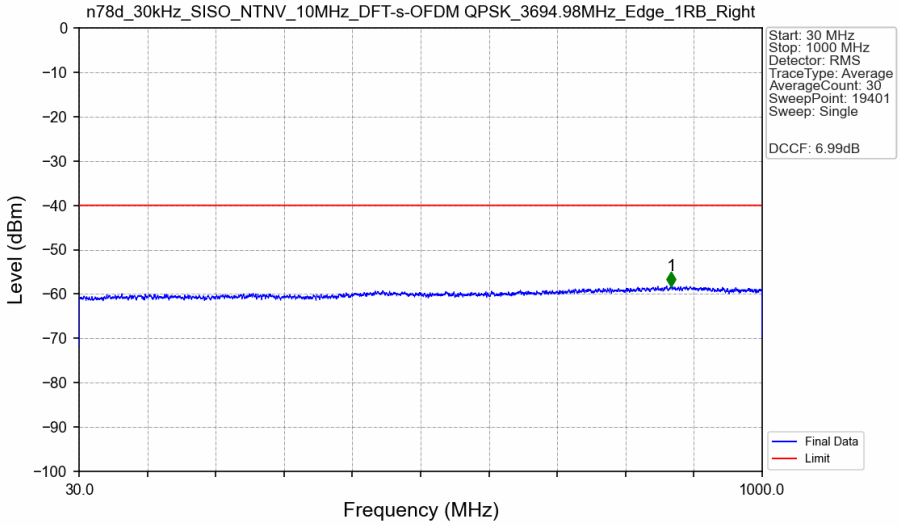

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 3520 | 3530 | 1 | CHP | 1 | 3524.410 | -45.81 | -40 | Pass |
| 3530 | 3679.98 | 1 | CHP | 2 | 3679.495 | -45.68 | -25 | Pass |
| 3679.98 | 3688.98 | 1 | CHP | 3 | 3688.480 | -37.64 | -13 | Pass |
| 3688.98 | 3689.98 | 0.03 | / | 4 | 3689.965 | -38.57 | -13 | Pass |
| 3689.98 | 3699.98 | 0.03 | / | / | / | / | / | / |
| 3699.98 | 3700.98 | 0.03 | / | 5 | 3700.345 | -50.76 | -13 | Pass |
| 3700.98 | 3709.98 | 1 | CHP | 6 | 3705.490 | -40.33 | -13 | Pass |
| 3709.98 | 3720 | 1 | CHP | 7 | 3710.125 | -45.67 | -25 | Pass |
| 3720 | 3730 | 1 | CHP | 8 | 3725.620 | -45.98 | -40 | Pass |

## n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3694.98MHz_Edge_1RB_Right_Ant2



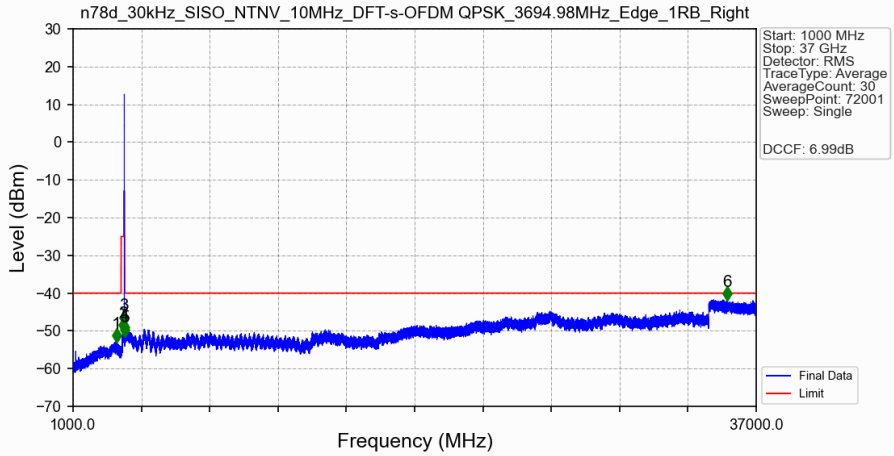

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 3520 | 3530 | 1 | CHP | 1 | 3522.625 | -51.36 | -40 | Pass |
| 3530 | 3679.98 | 1 | CHP | 2 | 3679.930 | -50.83 | -25 | Pass |
| 3679.98 | 3688.98 | 1 | CHP | 3 | 3687.925 | -40.87 | -13 | Pass |
| 3688.98 | 3689.98 | 0.03 | / | 4 | 3689.050 | -53.44 | -13 | Pass |
| 3689.98 | 3699.98 | 0.03 | / | / | / | / | / | / |
| 3699.98 | 3700.98 | 0.03 | / | 5 | 3699.985 | -38.26 | -13 | Pass |
| 3700.98 | 3709.98 | 1 | CHP | 6 | 3701.485 | -40.27 | -13 | Pass |
| 3709.98 | 3720 | 1 | CHP | 7 | 3710.065 | -50.12 | -25 | Pass |
| 3720 | 3730 | 1 | CHP | 8 | 3720.820 | -51.60 | -40 | Pass |

## n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3694.98MHz_Edge_1RB_Right_Ant2



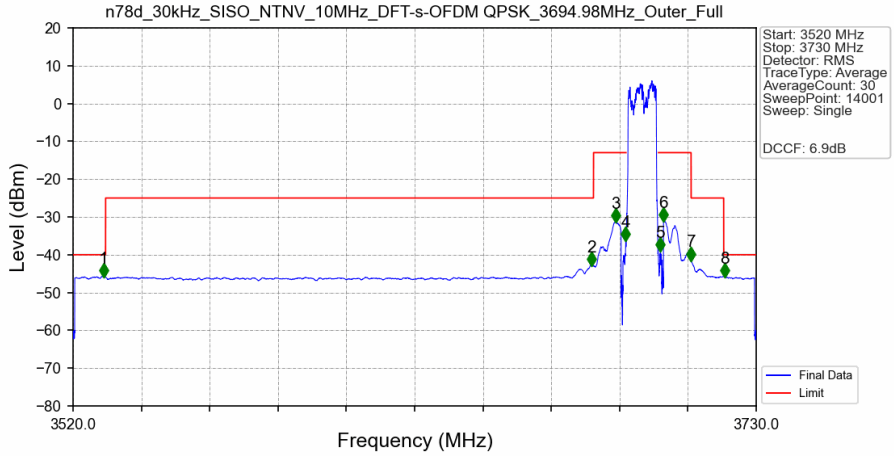

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 30 | 1000 | 1 | CHP | 1 | 870.950 | -58.14 | -40 | Pass |

## n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3694.98MHz_Edge_1RB_Right_Ant2




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1000 | 3530 | 1 | / | 1 | 3291.000 | -52.79 | -40 | Pass |
| 3530 | 3679.98 | 1 | / | 2 | 3658.500 | -50.03 | -25 | Pass |
| 3679.98 | 3688.98 | 1 | / | 3 | 3684.500 | -48.01 | -13 | Pass |
| 3688.98 | 3704.98 | 1 | / | / | / | / | / | / |
| 3704.98 | 3709.98 | 1 | / | 4 | 3707.000 | -50.65 | -13 | Pass |
| 3709.98 | 3720 | 1 | / | 5 | 3719.000 | -51.22 | -25 | Pass |
| 3720 | 37000 | 1 | / | 6 | 35455.000 | -41.73 | -40 | Pass |

## n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3694.98MHz_Outer_Full_Ant2




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 3520 | 3530 | 1 | CHP | 1 | 3529.405 | -45.71 | -40 | Pass |
| 3530 | 3679.98 | 1 | CHP | 2 | 3679.480 | -42.66 | -25 | Pass |
| 3679.98 | 3688.98 | 1 | CHP | 3 | 3686.815 | -31.23 | -13 | Pass |
| 3688.98 | 3689.98 | 0.09409 | CHP | 4 | 3689.905 | -36.09 | -13 | Pass |
| 3689.98 | 3699.98 | 0.09409 | CHP | / | / | / | / | / |
| 3699.98 | 3700.98 | 0.09409 | CHP | 5 | 3700.555 | -38.86 | -13 | Pass |
| 3700.98 | 3709.98 | 1 | CHP | 6 | 3701.500 | -30.96 | -13 | Pass |
| 3709.98 | 3720 | 1 | CHP | 7 | 3709.990 | -41.33 | -25 | Pass |
| 3720 | 3730 | 1 | CHP | 8 | 3720.415 | -45.71 | -40 | Pass |