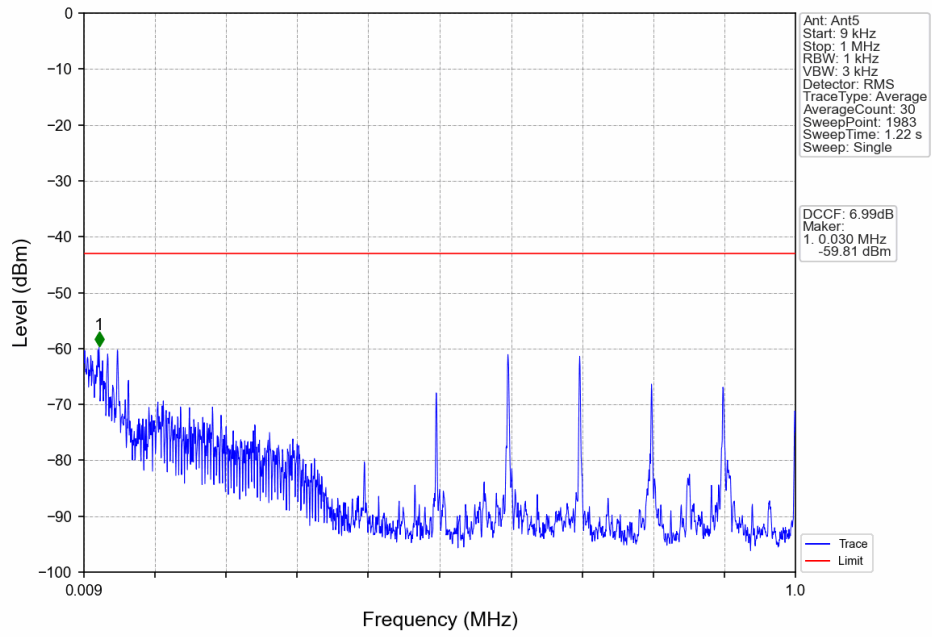
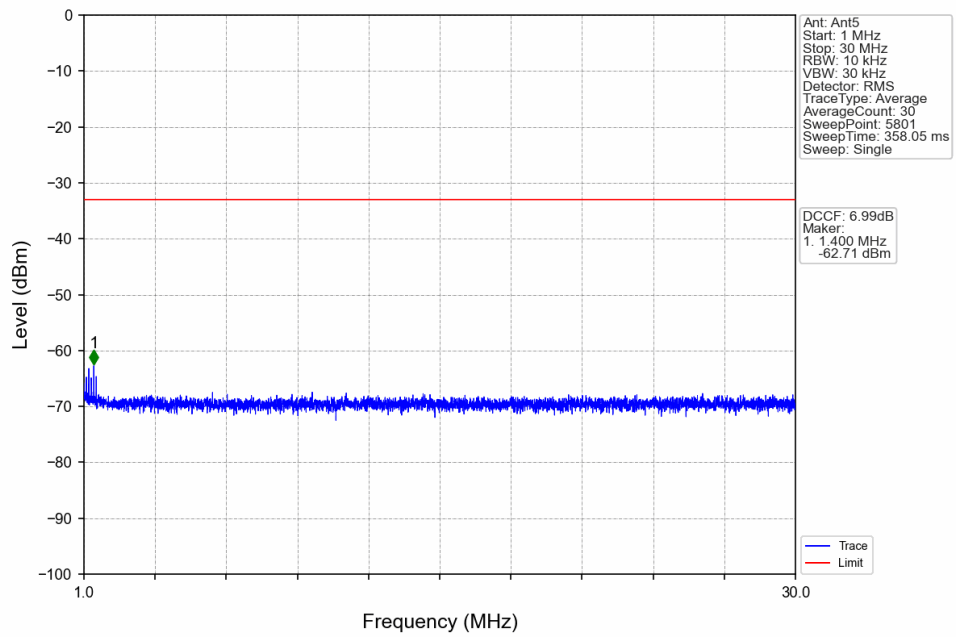


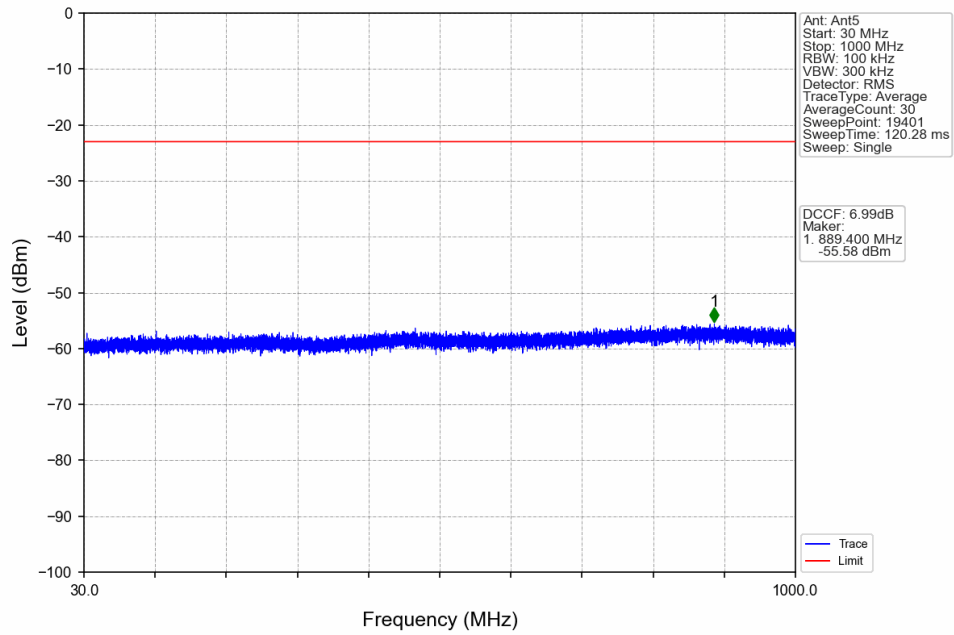
n77a 30kHz SISO NTN 40MHz CP-OFDM QPSK 3960MHz Edge 1RB Right



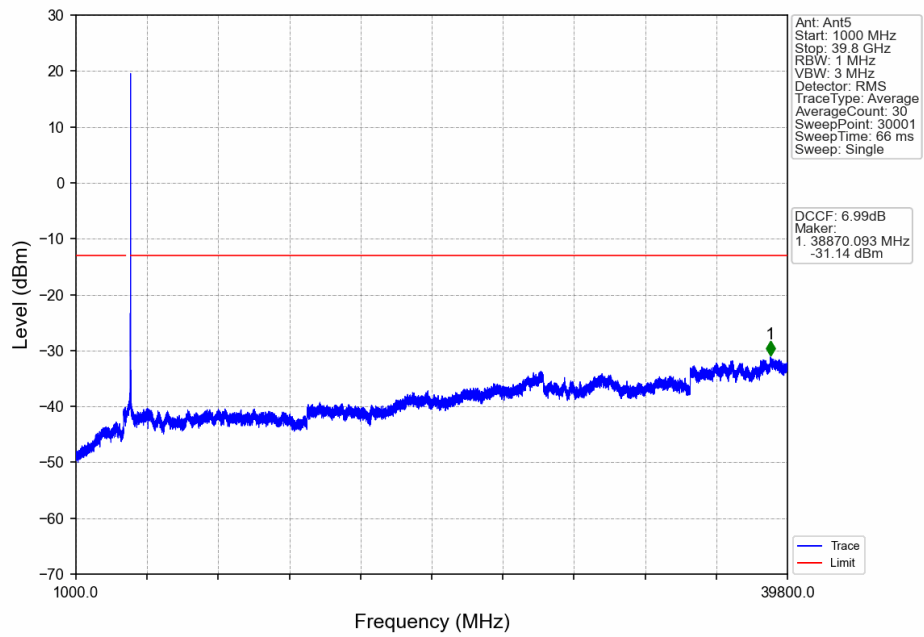
n77a 30kHz SISO NTN 40MHz CP-OFDM QPSK 3960MHz Edge 1RB Right



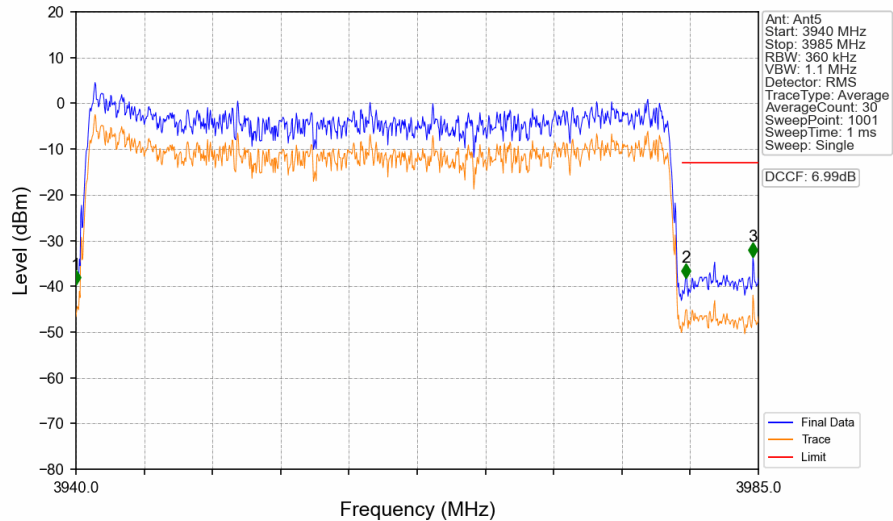
n77a 30kHz SISO NTN 40MHz CP-OFDM QPSK 3960MHz Edge 1RB Right



n77a 30kHz SISO NTN 40MHz CP-OFDM QPSK 3960MHz Edge 1RB Right

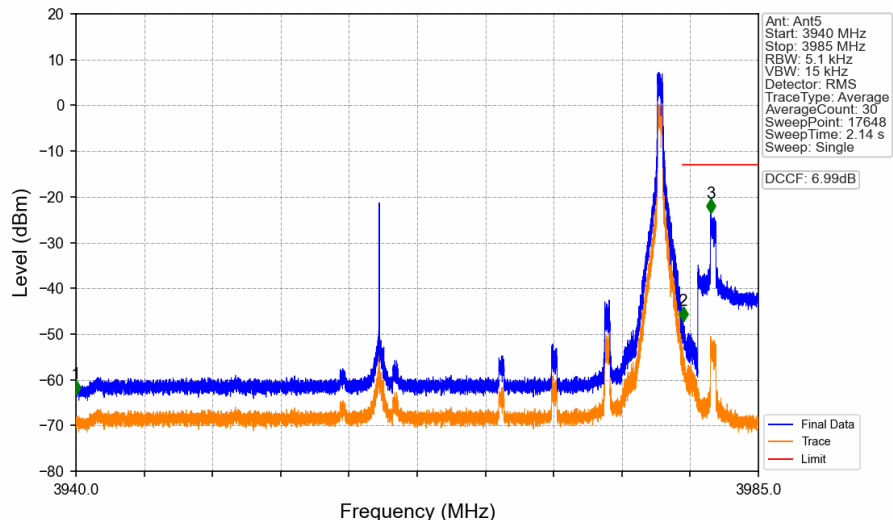


n77a 30kHz SISO NTN 40MHz CP-OFDM QPSK 3960MHz Outer Full



| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3940        | 3980       | 0.36      | 0              | 1          | 3940.000   | -39.64      | -13         | Pass   |
| 3980        | 3980       | 0.36      | 0              | /          | /          | /           | /           | /      |
| 3980        | 3981       | 0.36      | 0              | 2          | 3980.230   | -38.11      | -13         | Pass   |
| 3981        | 3985       | 0.5       | 1.43           | 3          | 3984.640   | -33.53      | -13         | Pass   |

n77a 30kHz SISO NTN 40MHz CP-OFDM QPSK 3960MHz Inner 1RB Right



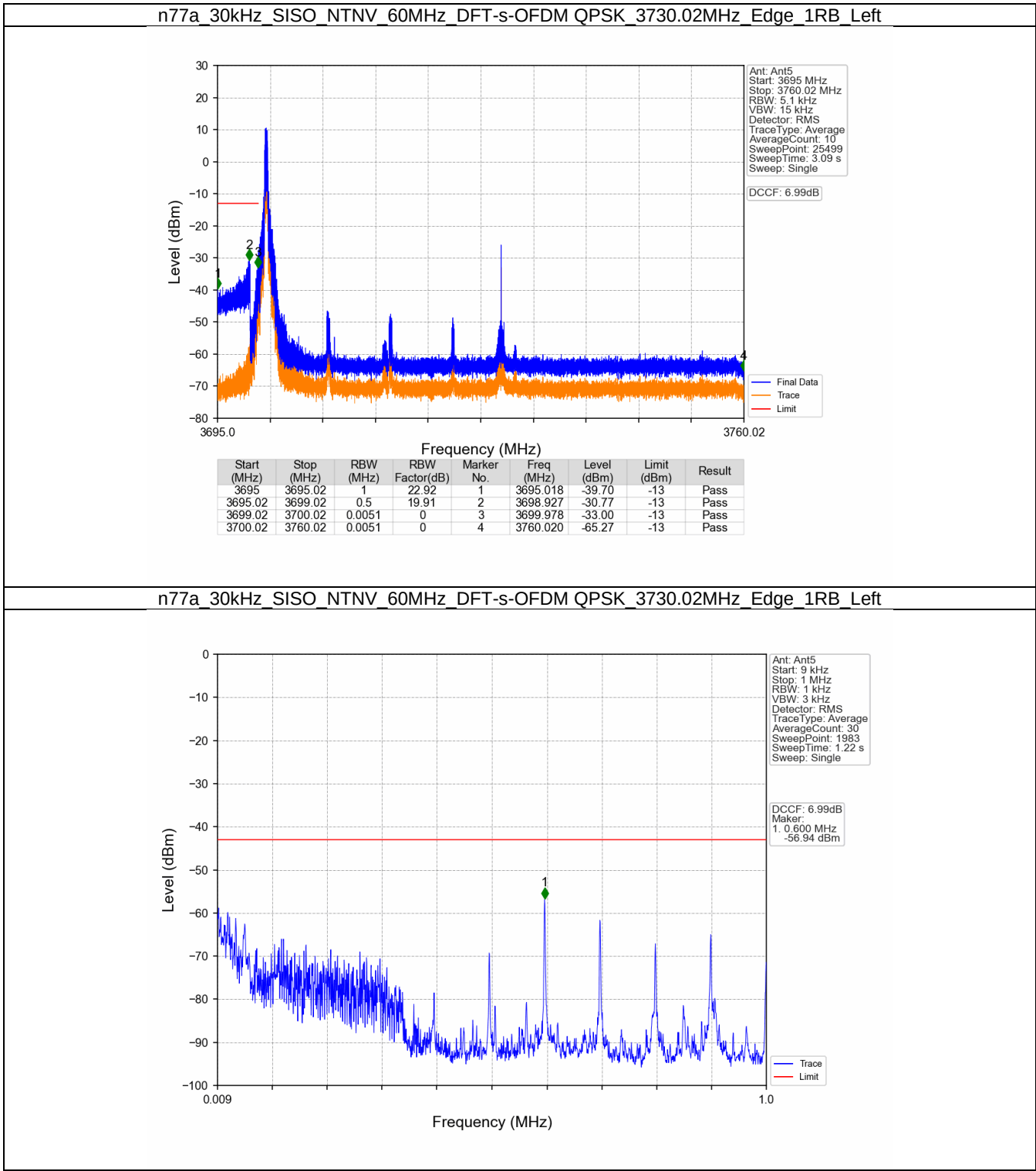
| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3940        | 3980       | 0.0051    | 0              | 1          | 3940.000   | -63.16      | -13         | Pass   |
| 3980        | 3980       | 0.0051    | 0              | /          | /          | /           | /           | /      |
| 3980        | 3981       | 0.0051    | 0              | 2          | 3980.027   | -47.11      | -13         | Pass   |
| 3981        | 3985       | 0.5       | 19.91          | 3          | 3981.851   | -23.60      | -13         | Pass   |

## 1.4 30k\_SISO\_60MHz\_NTNV

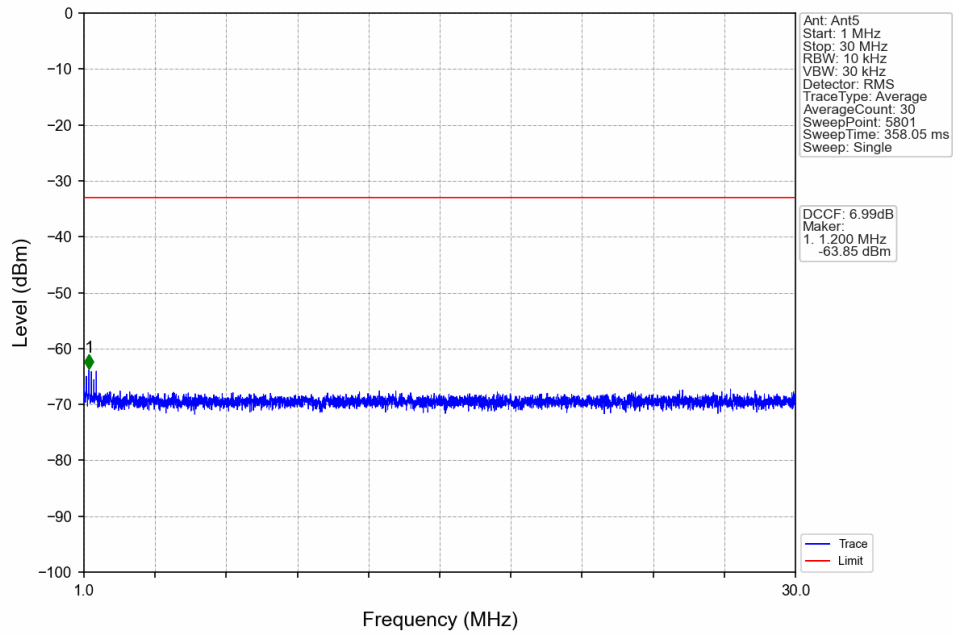
### 1.4.1 Test Result

| 5G NR n77a SCS=30kHz SISO 60MHz NTNv |                    |                  |                     |                     |     |       |         |      |
|--------------------------------------|--------------------|------------------|---------------------|---------------------|-----|-------|---------|------|
| Modulation                           | Frequency<br>(MHz) | RB<br>Allocation | Spurious Emission   |                     |     |       | Verdict |      |
|                                      |                    |                  | Ant5                | Ant2                | Sum | Limit |         |      |
| DFT-s-OFDM<br>QPSK                   | 3730.02            | Edge_1RB_Left    | Refer To Test Graph |                     |     |       | Pass    |      |
|                                      |                    | Outer_Full       | Refer To Test Graph |                     |     |       | Pass    |      |
|                                      |                    | Inner_1RB_Left   | Refer To Test Graph |                     |     |       | Pass    |      |
|                                      | 3840               | Edge_1RB_Left    | Refer To Test Graph |                     |     |       | Pass    |      |
|                                      |                    | 3949.98          | Edge_1RB_Right      | Refer To Test Graph |     |       |         | Pass |
|                                      |                    |                  | Outer_Full          | Refer To Test Graph |     |       |         | Pass |
|                                      |                    |                  | Inner_1RB_Right     | Refer To Test Graph |     |       |         | Pass |
| CP-OFDM QPSK                         | 3730.02            | Edge_1RB_Left    | Refer To Test Graph |                     |     |       | Pass    |      |
|                                      |                    | Outer_Full       | Refer To Test Graph |                     |     |       | Pass    |      |
|                                      |                    | Inner_1RB_Left   | Refer To Test Graph |                     |     |       | Pass    |      |
|                                      | 3840               | Edge_1RB_Left    | Refer To Test Graph |                     |     |       | Pass    |      |
|                                      |                    | 3949.98          | Edge_1RB_Right      | Refer To Test Graph |     |       |         | Pass |
|                                      |                    |                  | Outer_Full          | Refer To Test Graph |     |       |         | Pass |
|                                      |                    |                  | Inner_1RB_Right     | Refer To Test Graph |     |       |         | Pass |

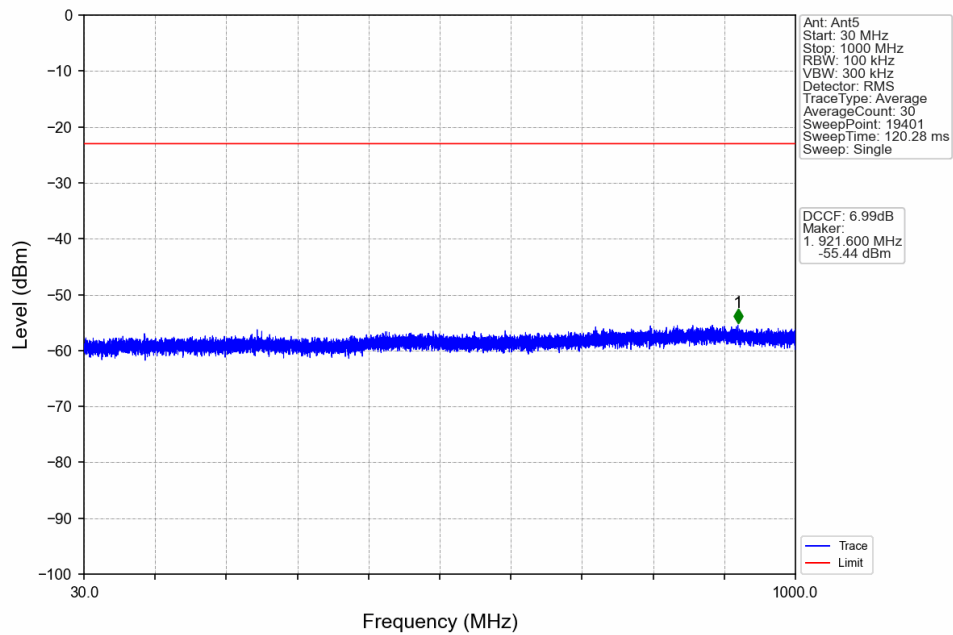
1.4.2 Test Graph



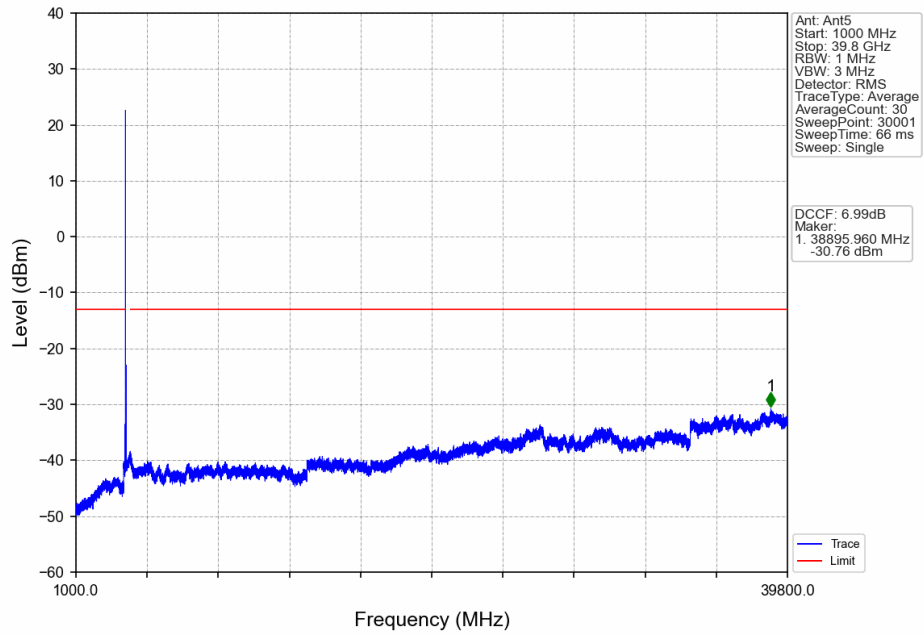
n77a 30kHz SISO NTN 60MHz DFT-s-OFDM QPSK 3730.02MHz Edge 1RB Left



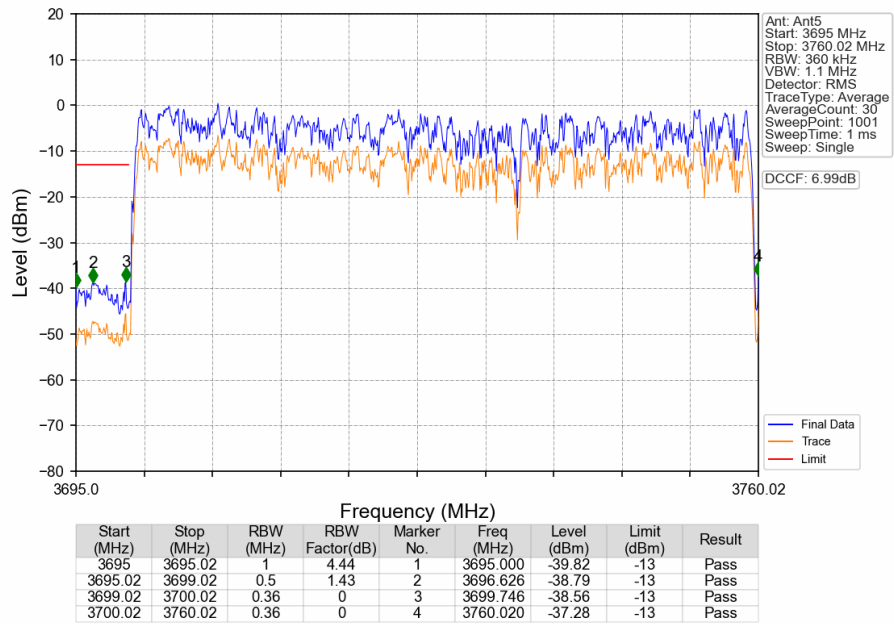
n77a 30kHz SISO NTN 60MHz DFT-s-OFDM QPSK 3730.02MHz Edge 1RB Left



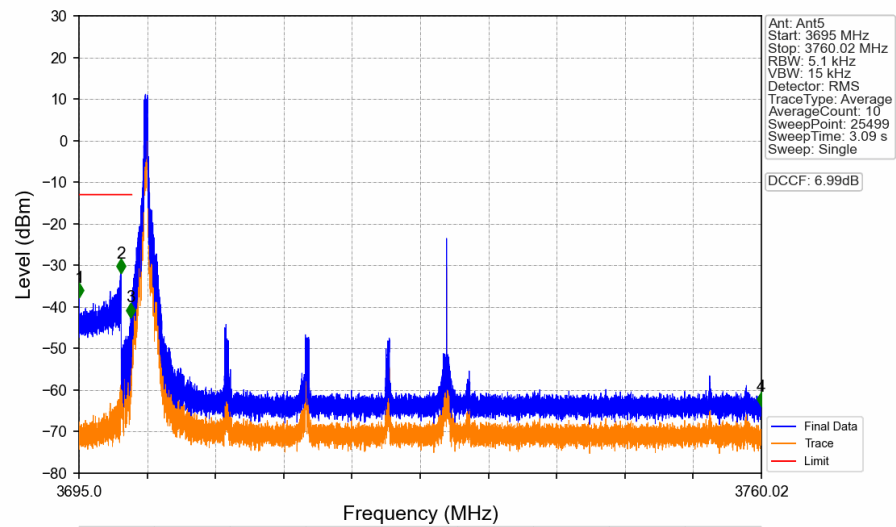
n77a 30kHz SISO NTN 60MHz DFT-s-OFDM QPSK 3730.02MHz Edge 1RB Left



n77a 30kHz SISO NTN 60MHz DFT-s-OFDM QPSK 3730.02MHz Outer Full

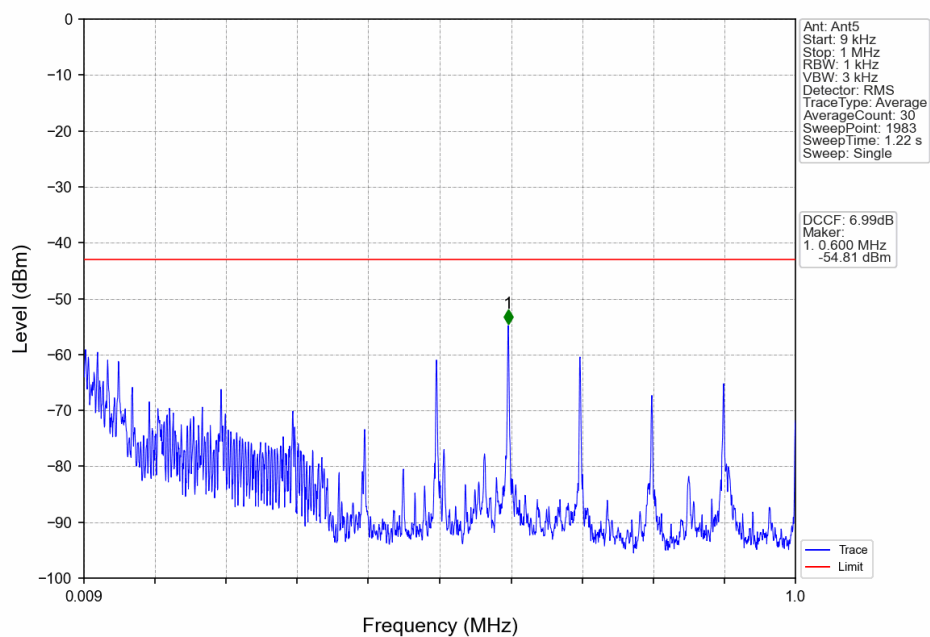


n77a 30kHz SISO NTN 60MHz DFT-s-OFDM QPSK 3730.02MHz Inner 1RB Left

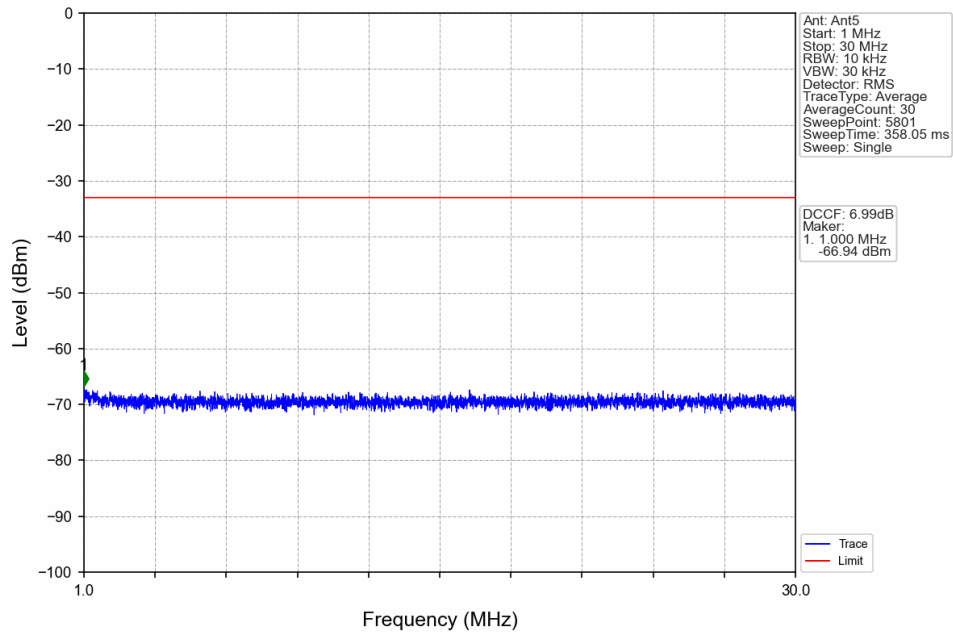


| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3695        | 3695.02    | 1         | 22.92          | 1          | 3695.010   | -37.73      | -13         | Pass   |
| 3695.02     | 3699.02    | 0.5       | 19.91          | 2          | 3698.993   | -31.89      | -13         | Pass   |
| 3699.02     | 3700.02    | 0.0051    | 0              | 3          | 3699.934   | -42.48      | -13         | Pass   |
| 3700.02     | 3760.02    | 0.0051    | 0              | 4          | 3760.020   | -63.89      | -13         | Pass   |

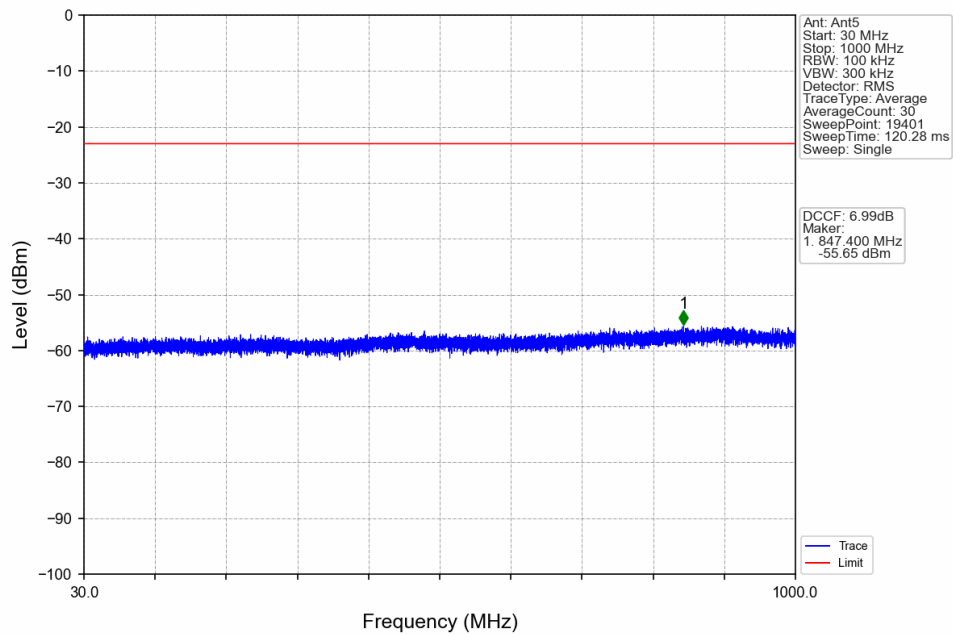
n77a 30kHz SISO NTN 60MHz DFT-s-OFDM QPSK 3840MHz Edge 1RB Left



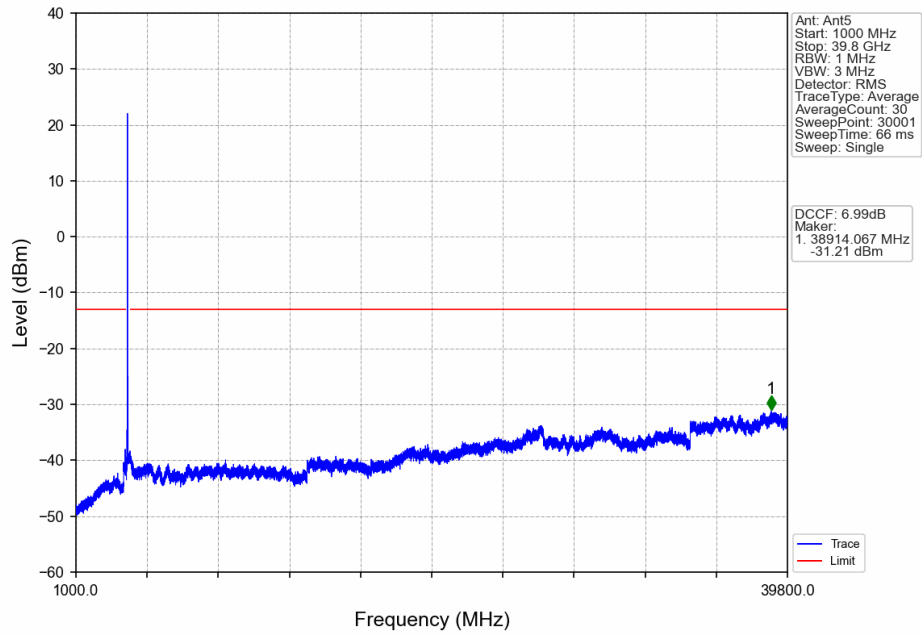
n77a 30kHz SISO NTN 60MHz DFT-s-OFDM QPSK 3840MHz Edge 1RB Left



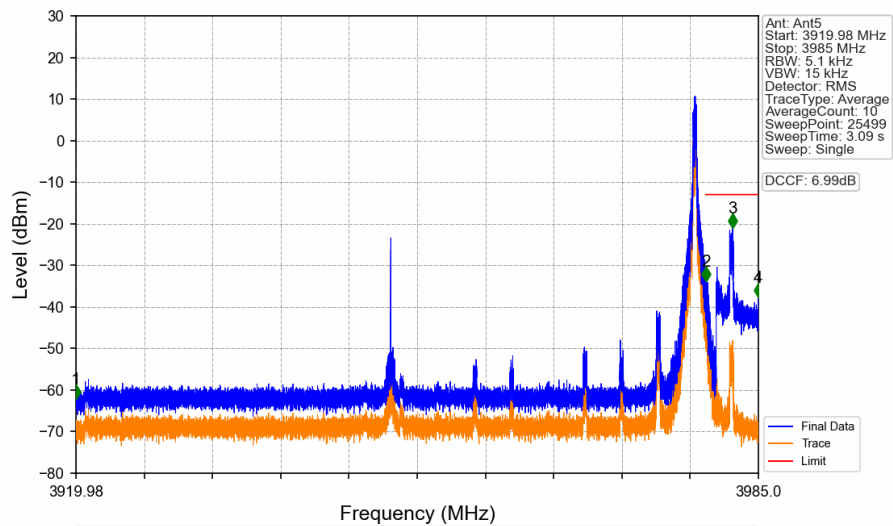
n77a 30kHz SISO NTN 60MHz DFT-s-OFDM QPSK 3840MHz Edge 1RB Left



n77a 30kHz SISO NTN 60MHz DFT-s-OFDM QPSK 3840MHz Edge 1RB Left

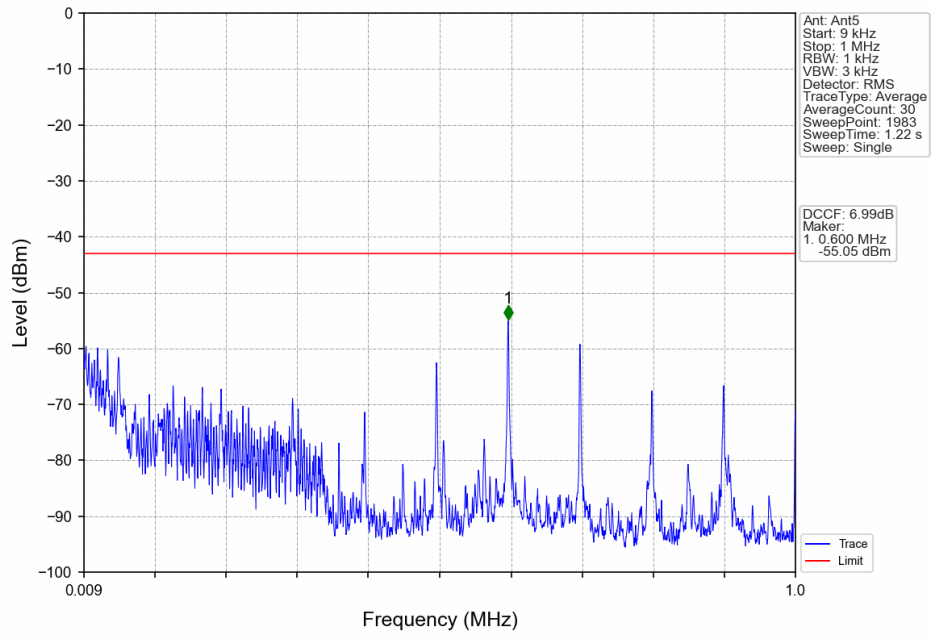


n77a 30kHz SISO NTN 60MHz DFT-s-OFDM QPSK 3949.98MHz Edge 1RB Right

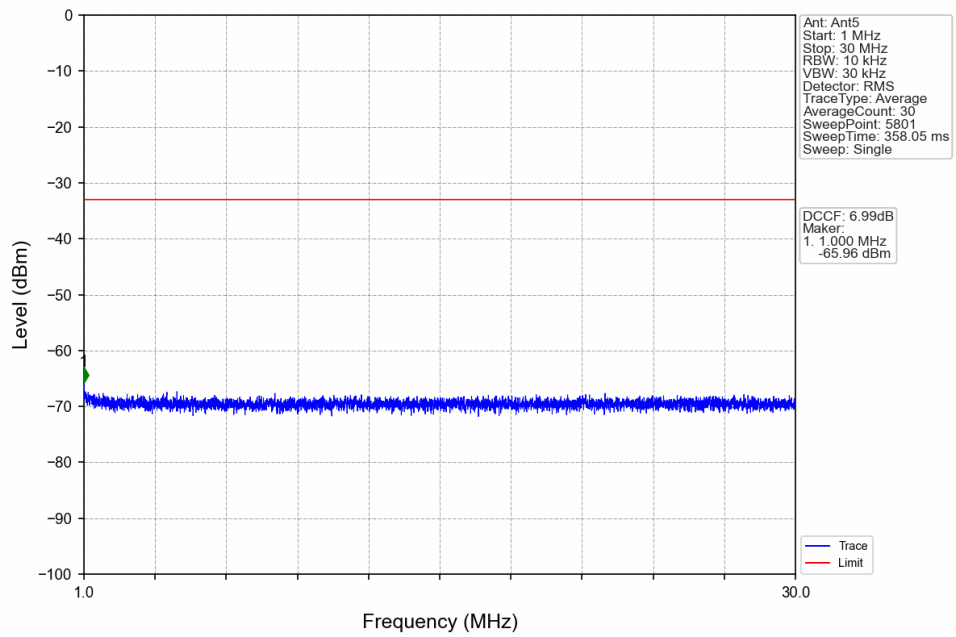


| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3919.98     | 3979.98    | 0.0051    | 0              | 1          | 3919.980   | -62.12      | -13         | Pass   |
| 3979.98     | 3979.98    | 0.0051    | 0              | /          | /          | /           | /           | /      |
| 3979.98     | 3980.98    | 0.0051    | 0              | 2          | 3979.999   | -33.79      | -13         | Pass   |
| 3980.98     | 3984.98    | 0.5       | 19.91          | 3          | 3982.526   | -21.10      | -13         | Pass   |
| 3984.98     | 3985       | 1         | 22.92          | 4          | 3985.000   | -37.65      | -13         | Pass   |

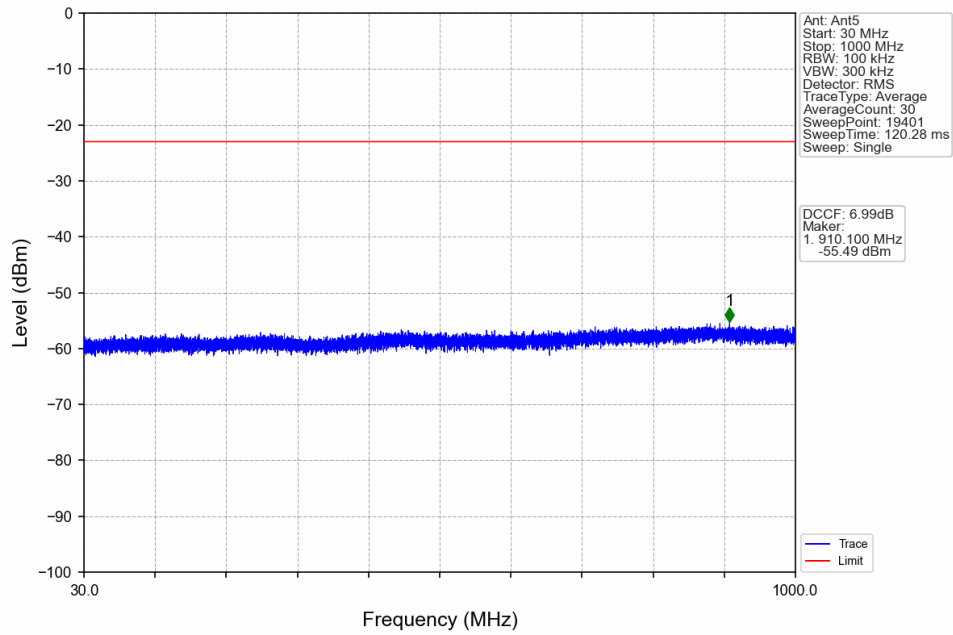
n77a 30kHz SISO NTN 60MHz DFT-s-OFDM QPSK 3949.98MHz Edge 1RB Right



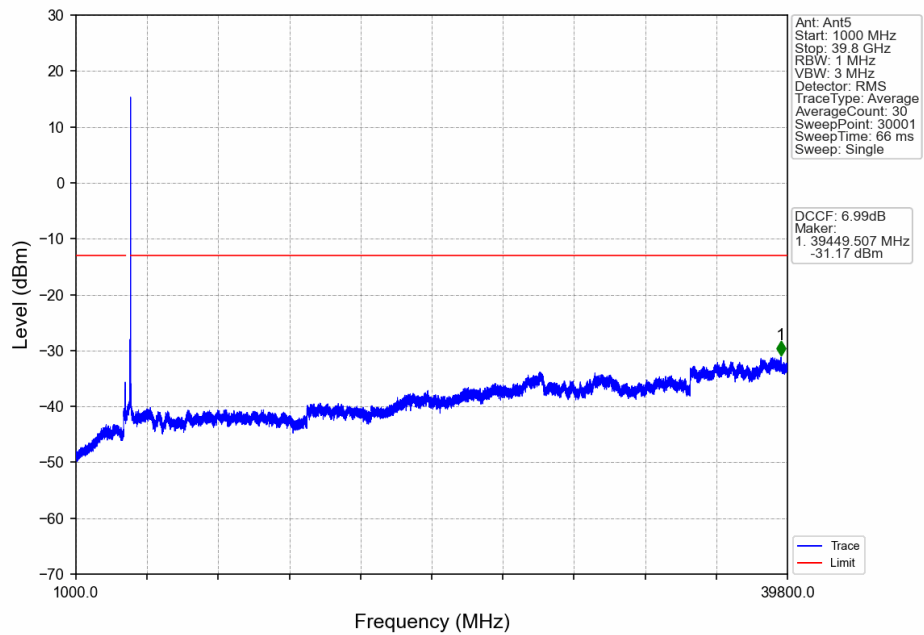
n77a 30kHz SISO NTN 60MHz DFT-s-OFDM QPSK 3949.98MHz Edge 1RB Right



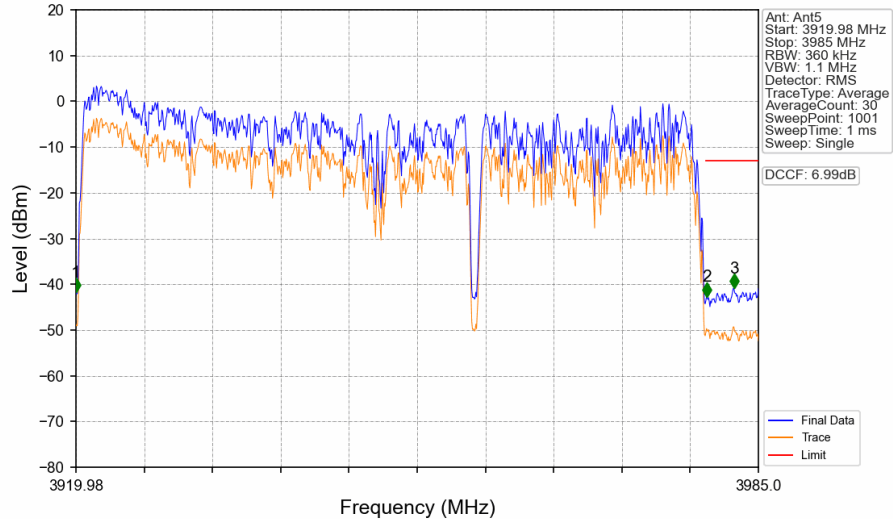
n77a 30kHz SISO NTN 60MHz DFT-s-OFDM QPSK 3949.98MHz Edge 1RB Right



n77a 30kHz SISO NTN 60MHz DFT-s-OFDM QPSK 3949.98MHz Edge 1RB Right

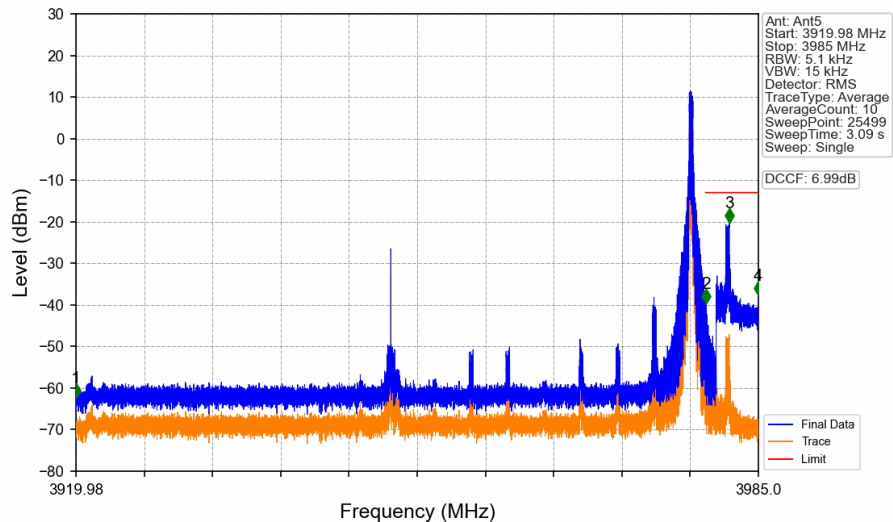


n77a 30kHz SISO NTN 60MHz DFT-s-OFDM QPSK 3949.98MHz Outer Full



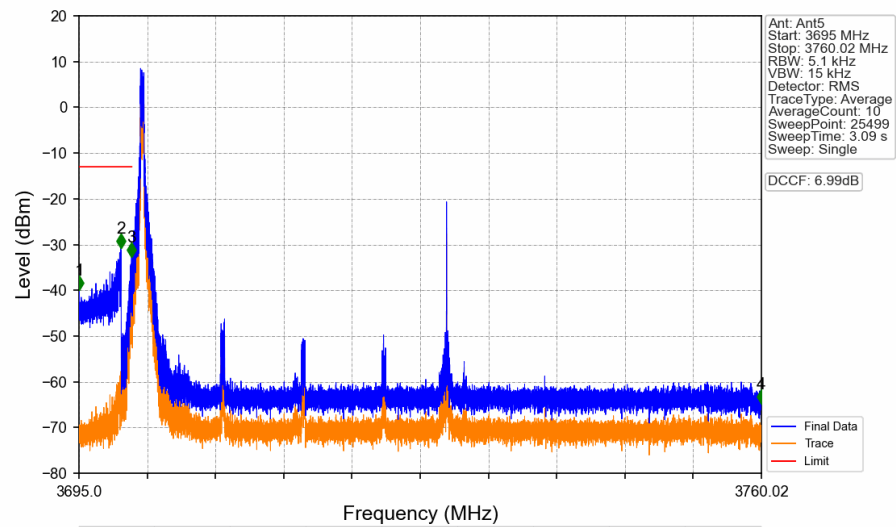
| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3919.98     | 3979.98    | 0.36      | 0              | 1          | 3919.980   | -41.80      | -13         | Pass   |
| 3979.98     | 3979.98    | 0.36      | 0              | /          | /          | /           | /           | /      |
| 3979.98     | 3980.98    | 0.36      | 0              | 2          | 3980.058   | -42.72      | -13         | Pass   |
| 3980.98     | 3984.98    | 0.5       | 1.43           | 3          | 3982.659   | -40.91      | -13         | Pass   |

n77a 30kHz SISO NTN 60MHz DFT-s-OFDM QPSK 3949.98MHz Inner 1RB Right



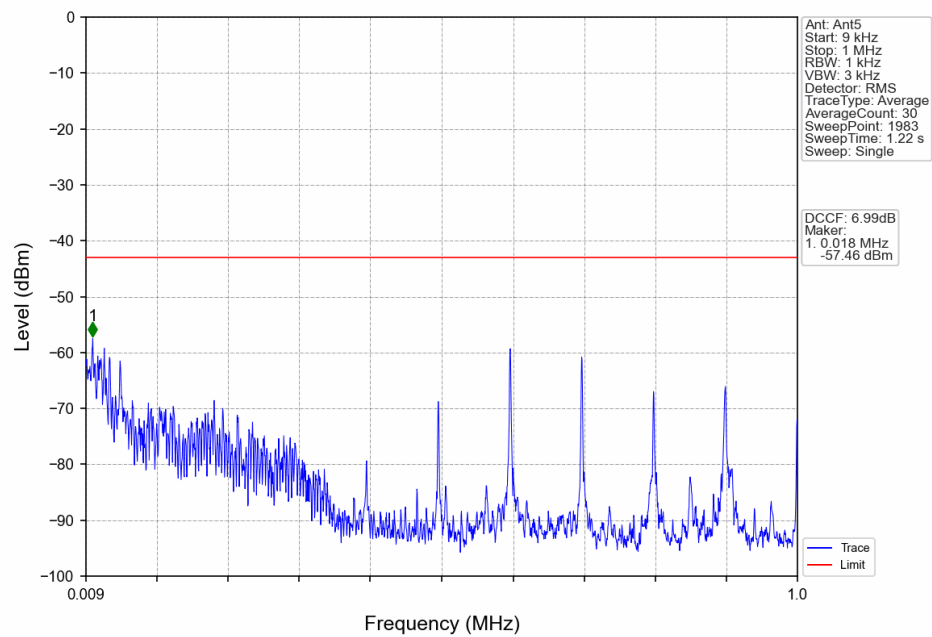
| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3919.98     | 3979.98    | 0.0051    | 0              | 1          | 3919.980   | -62.35      | -13         | Pass   |
| 3979.98     | 3979.98    | 0.0051    | 0              | /          | /          | /           | /           | /      |
| 3979.98     | 3980.98    | 0.0051    | 0              | 2          | 3979.999   | -39.71      | -13         | Pass   |
| 3980.98     | 3984.98    | 0.5       | 19.91          | 3          | 3982.215   | -20.20      | -13         | Pass   |
| 3984.98     | 3985       | 1         | 22.92          | 4          | 3984.990   | -37.79      | -13         | Pass   |

n77a 30kHz SISO NTN 60MHz CP-OFDM QPSK 3730.02MHz Edge 1RB Left

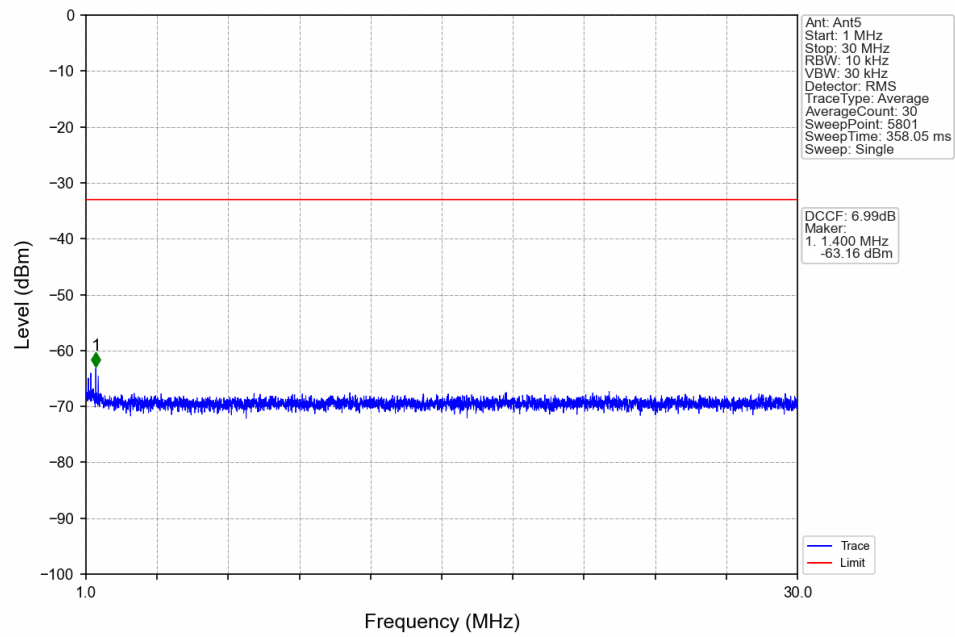


| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3695        | 3695.02    | 1         | 22.92          | 1          | 3695.013   | -40.03      | -13         | Pass   |
| 3695.02     | 3699.02    | 0.5       | 19.91          | 2          | 3698.981   | -30.83      | -13         | Pass   |
| 3699.02     | 3700.02    | 0.0051    | 0              | 3          | 3700.011   | -32.75      | -13         | Pass   |
| 3700.02     | 3760.02    | 0.0051    | 0              | 4          | 3760.020   | -64.78      | -13         | Pass   |

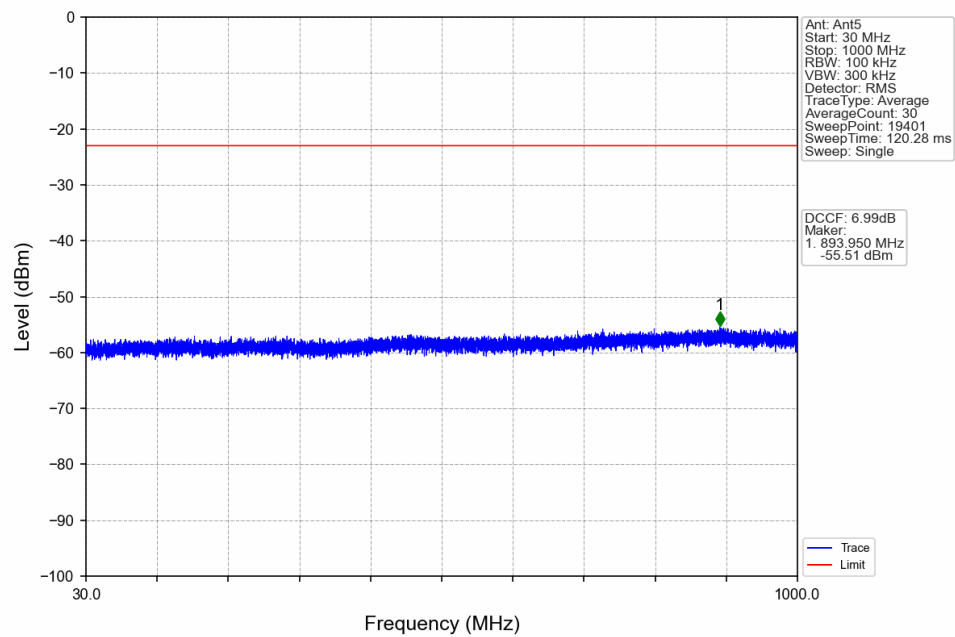
n77a 30kHz SISO NTN 60MHz CP-OFDM QPSK 3730.02MHz Edge 1RB Left



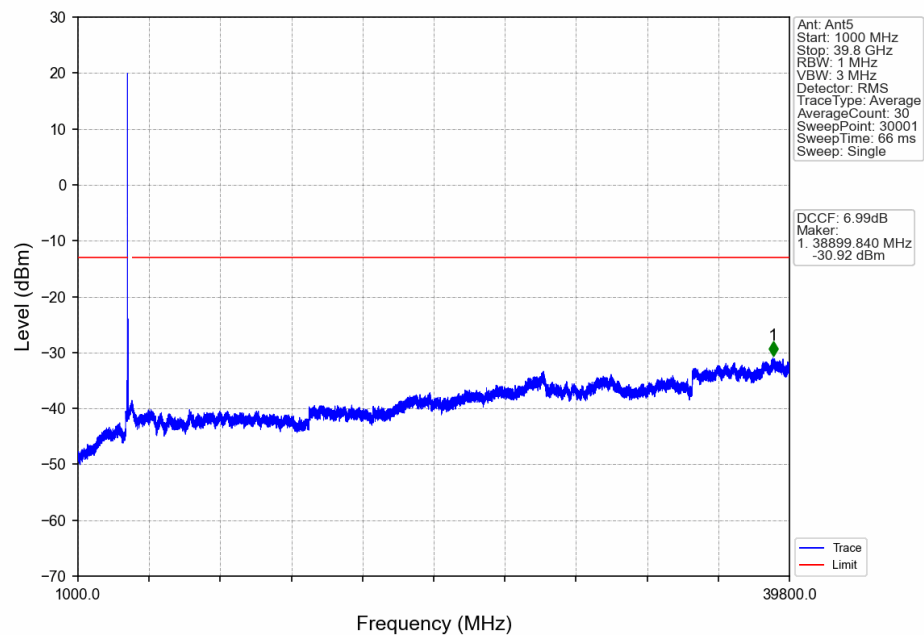
n77a 30kHz SISO NTN 60MHz CP-OFDM QPSK 3730.02MHz Edge 1RB Left



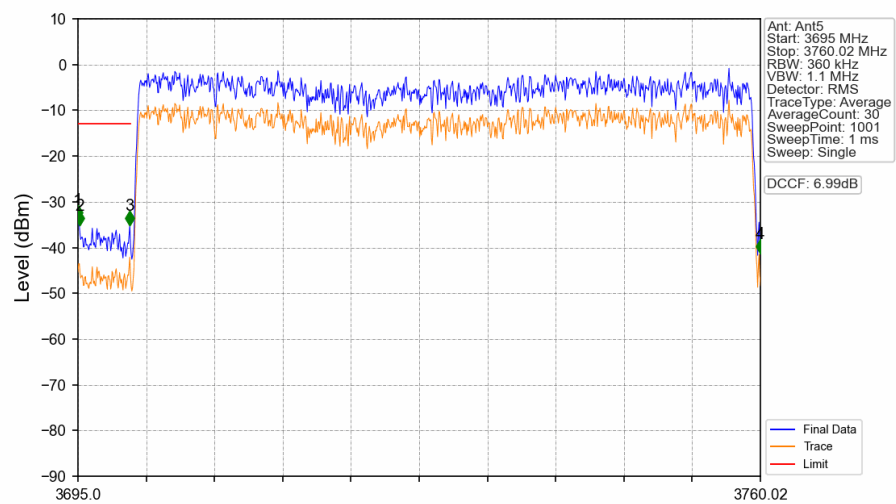
n77a 30kHz SISO NTN 60MHz CP-OFDM QPSK 3730.02MHz Edge 1RB Left



n77a 30kHz SISO NTN 60MHz CP-OFDM QPSK 3730.02MHz Edge 1RB Left

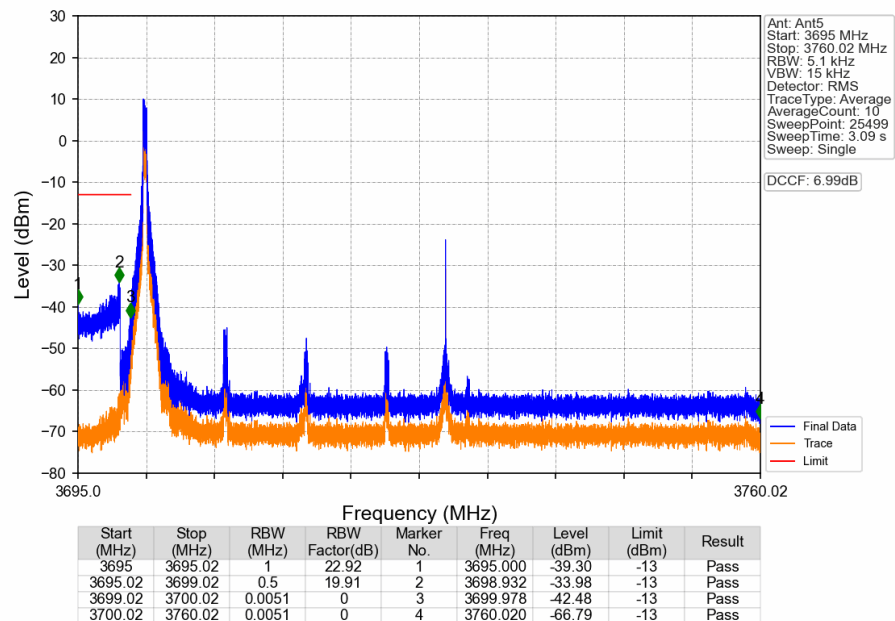


n77a 30kHz SISO NTN 60MHz CP-OFDM QPSK 3730.02MHz Outer Full

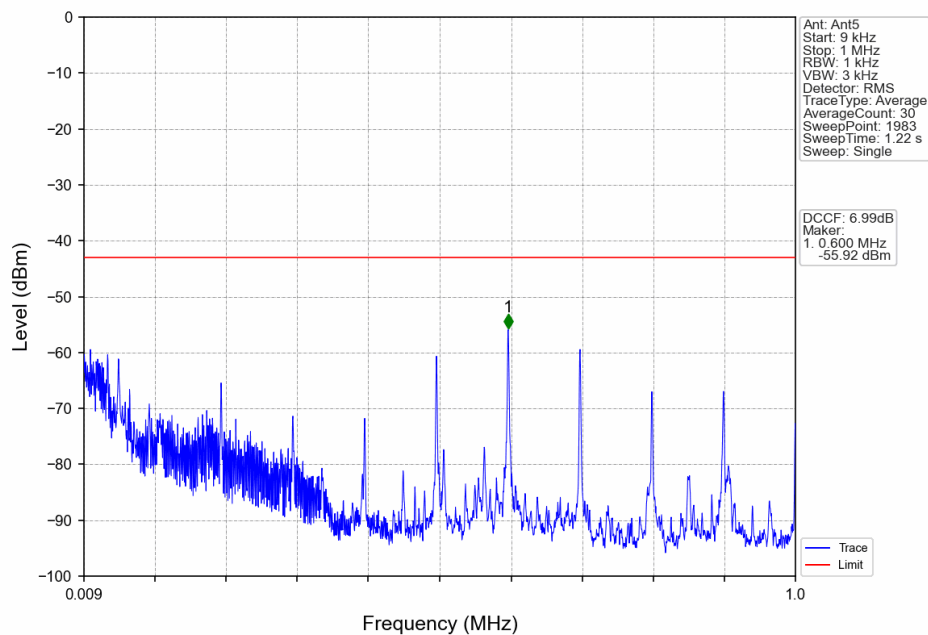


| Frequency (MHz) |            |           |                |            |            |             |             |        |
|-----------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| Start (MHz)     | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
| 3695            | 3695.02    | 1         | 4.44           | 1          | 3695.000   | -33.94      | -13         | Pass   |
| 3695.02         | 3699.02    | 0.5       | 1.43           | 2          | 3695.130   | -35.12      | -13         | Pass   |
| 3699.02         | 3700.02    | 0.36      | 0              | 3          | 3699.942   | -35.09      | -13         | Pass   |
| 3700.02         | 3760.02    | 0.36      | 0              | 4          | 3760.020   | -41.33      | -13         | Pass   |

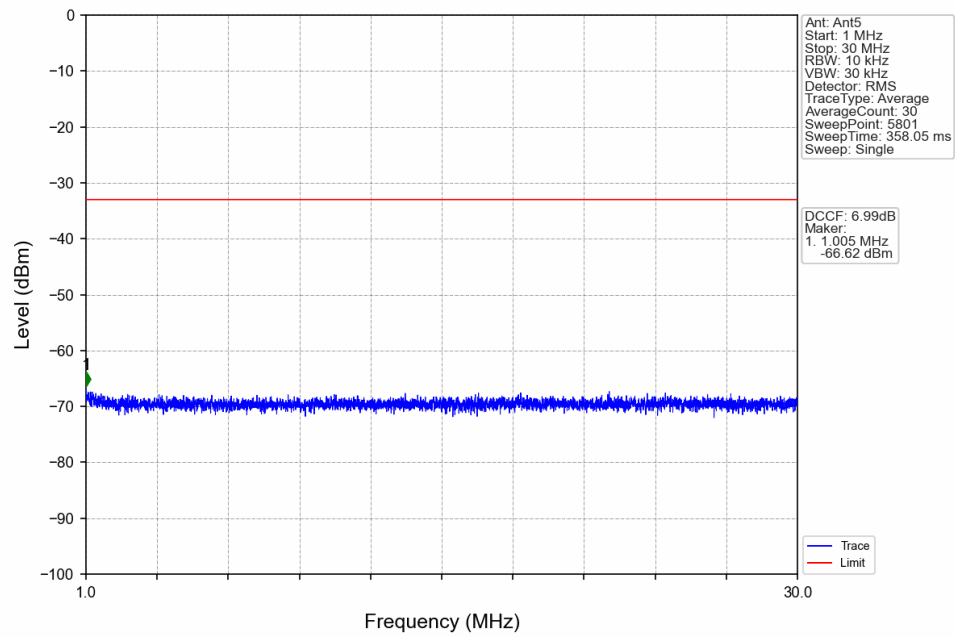
n77a 30kHz SISO NTN 60MHz CP-OFDM QPSK 3730.02MHz Inner 1RB Left



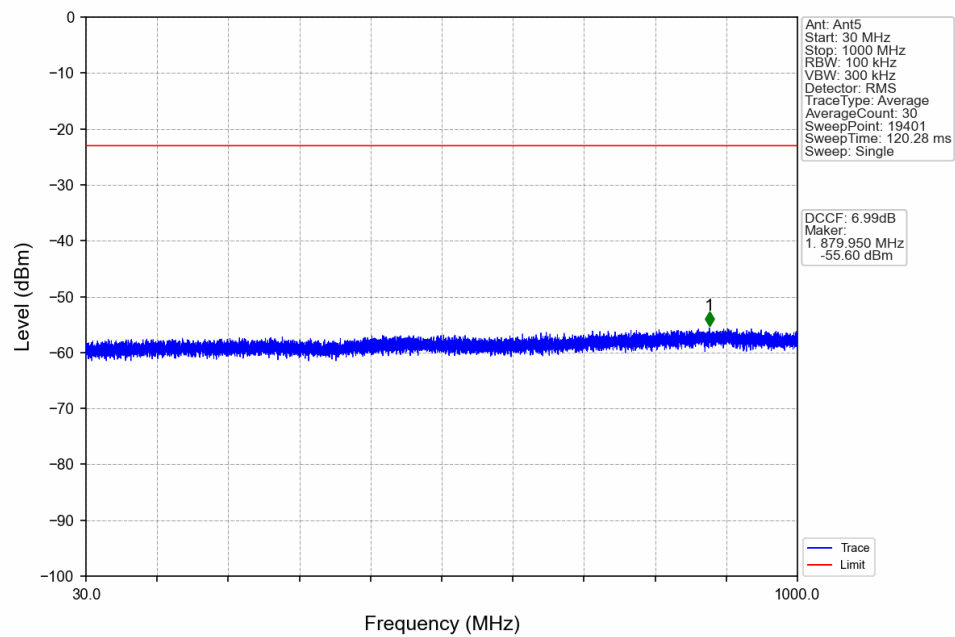
n77a 30kHz SISO NTN 60MHz CP-OFDM QPSK 3840MHz Edge 1RB Left



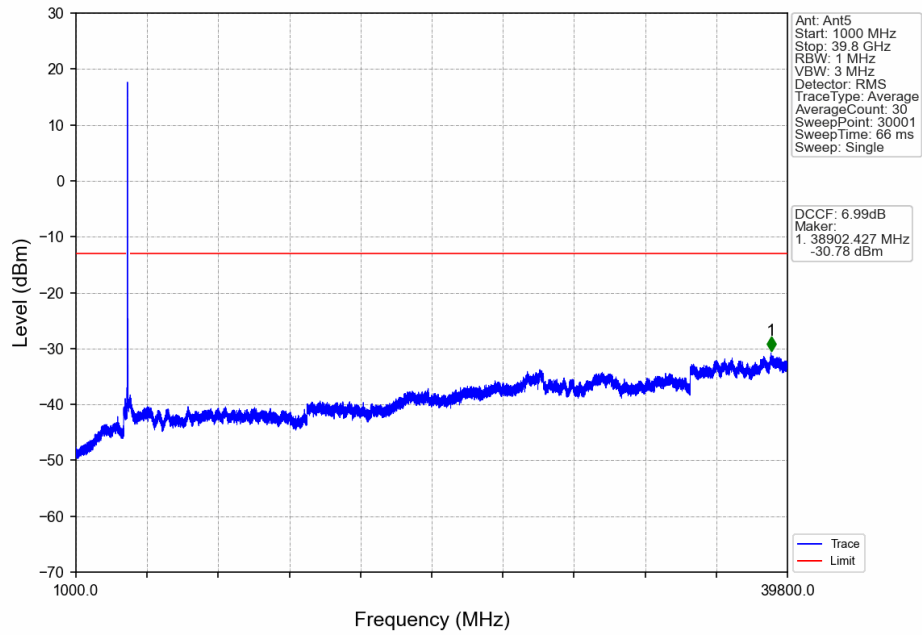
n77a 30kHz SISO NTN 60MHz CP-OFDM QPSK 3840MHz Edge 1RB Left



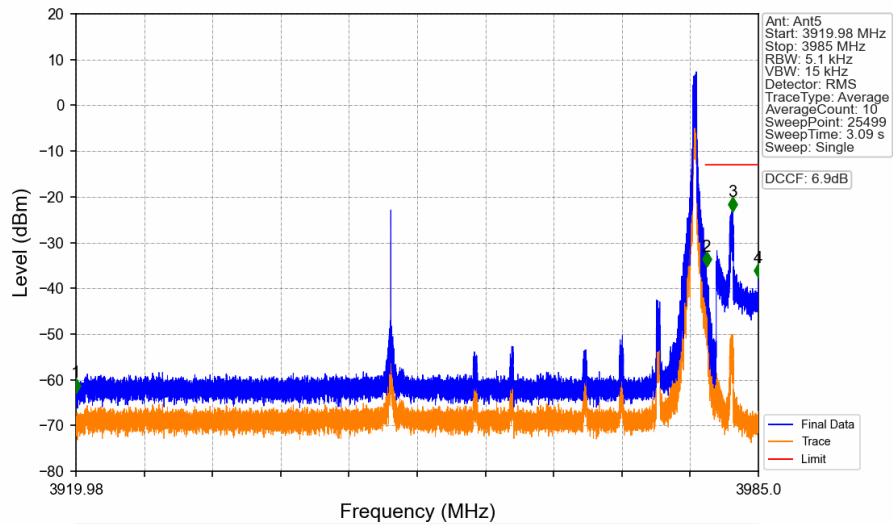
n77a 30kHz SISO NTN 60MHz CP-OFDM QPSK 3840MHz Edge 1RB Left



n77a 30kHz SISO NTN 60MHz CP-OFDM QPSK 3840MHz Edge 1RB Left

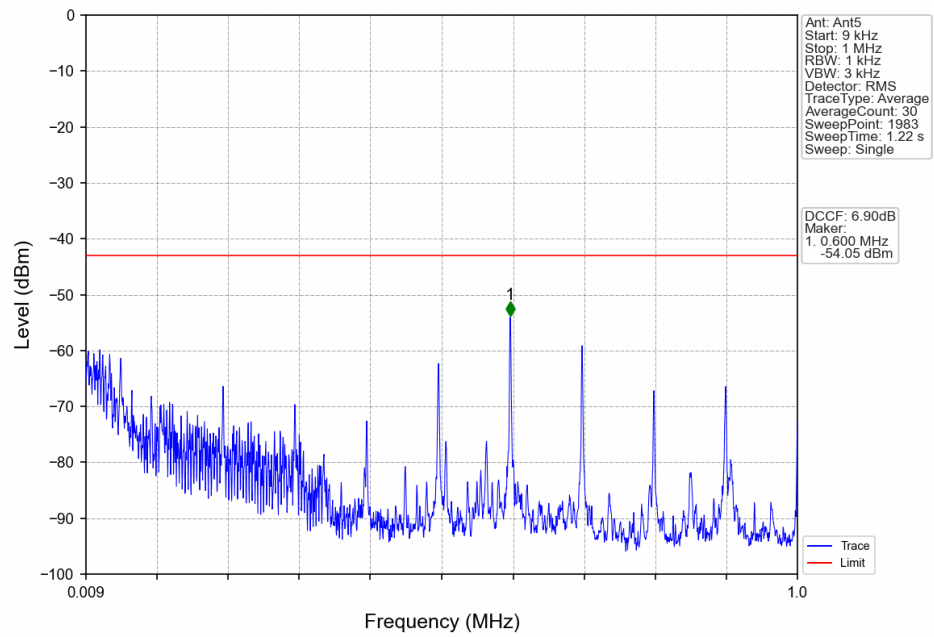


n77a 30kHz SISO NTN 60MHz CP-OFDM QPSK 3949.98MHz Edge 1RB Right

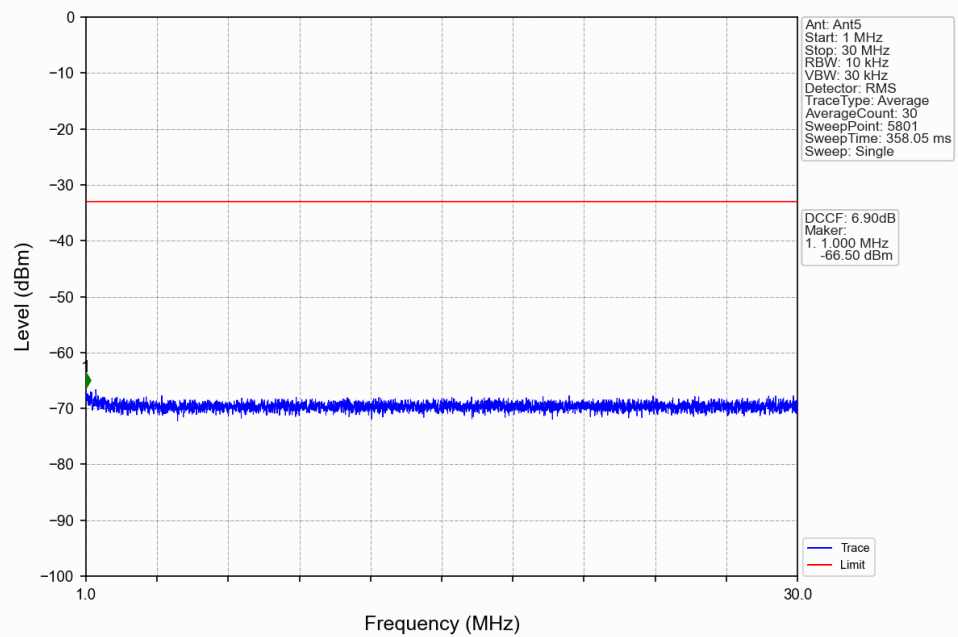


| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3919.98     | 3979.98    | 0.0051    | 0              | 1          | 3919.980   | -62.83      | -13         | Pass   |
| 3979.98     | 3979.98    | 0.0051    | 0              | /          | /          | /           | /           | /      |
| 3979.98     | 3980.98    | 0.0051    | 0              | 2          | 3980.045   | -35.23      | -13         | Pass   |
| 3980.98     | 3984.98    | 0.5       | 19.91          | 3          | 3982.562   | -23.20      | -13         | Pass   |
| 3984.98     | 3985       | 1         | 22.92          | 4          | 3984.995   | -37.72      | -13         | Pass   |

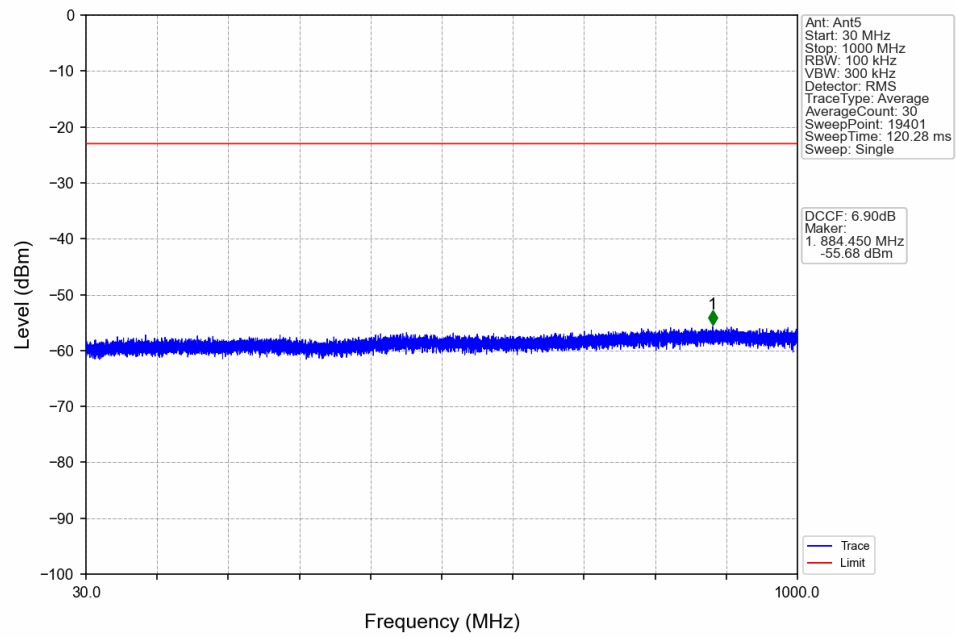
n77a 30kHz SISO NTN 60MHz CP-OFDM QPSK 3949.98MHz Edge 1RB Right



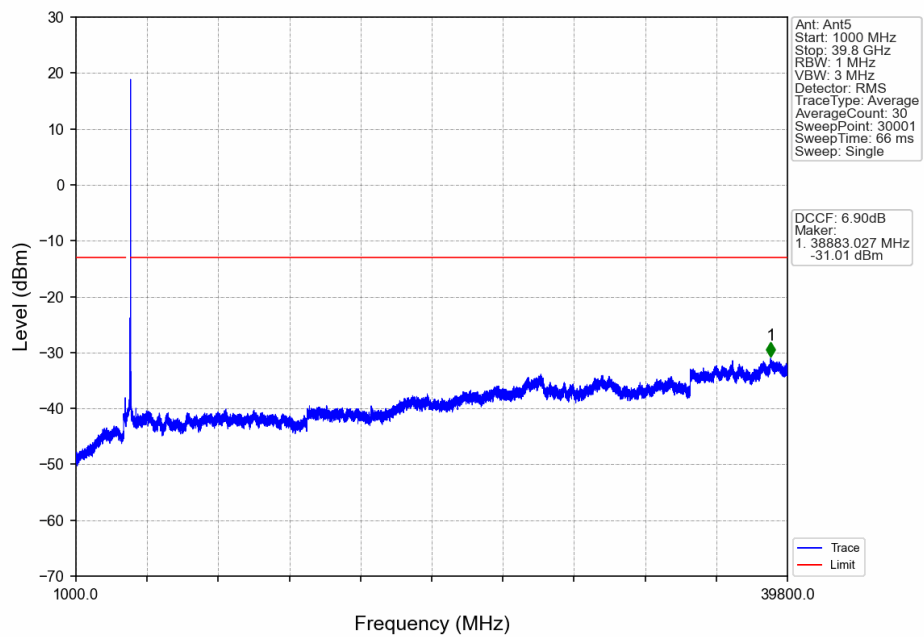
n77a 30kHz SISO NTN 60MHz CP-OFDM QPSK 3949.98MHz Edge 1RB Right



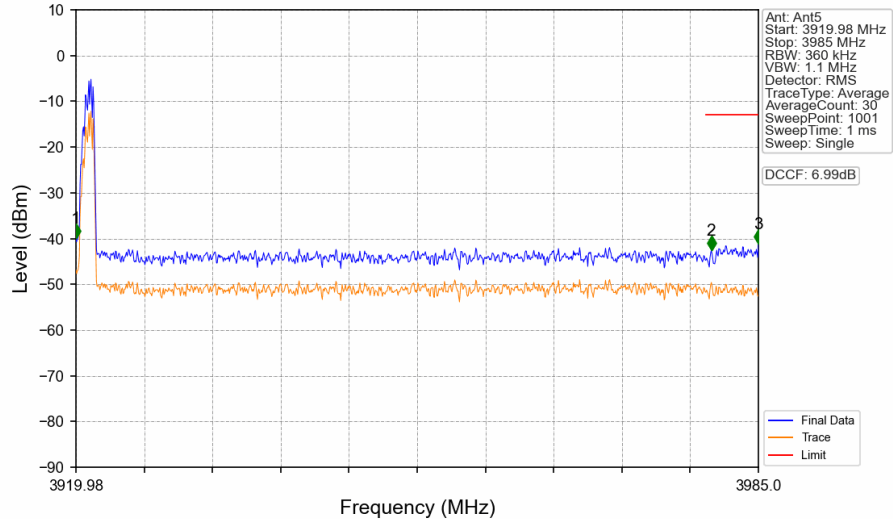
n77a 30kHz SISO NTN 60MHz CP-OFDM QPSK 3949.98MHz Edge 1RB Right



n77a 30kHz SISO NTN 60MHz CP-OFDM QPSK 3949.98MHz Edge 1RB Right

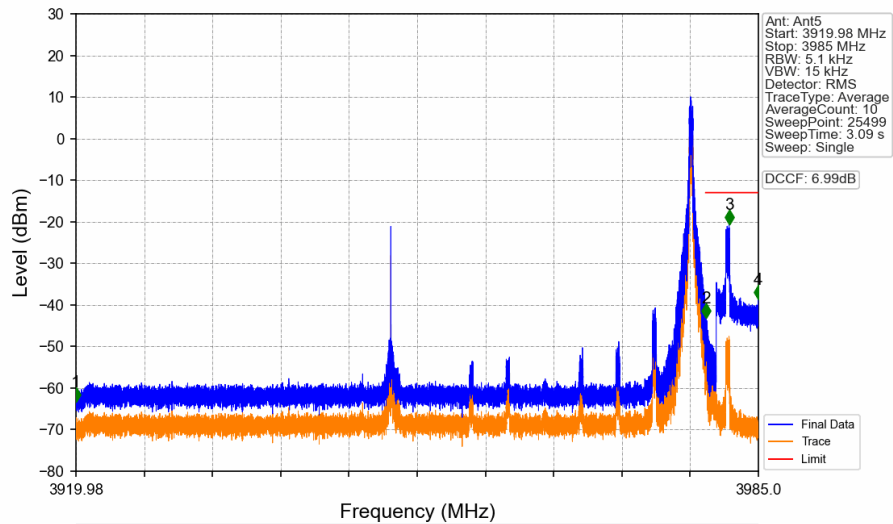


n77a 30kHz SISO NTN 60MHz CP-OFDM QPSK 3949.98MHz Outer Full



| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3919.98     | 3979.98    | 0.36      | 0              | 1          | 3919.980   | -39.86      | -13         | Pass   |
| 3979.98     | 3979.98    | 0.36      | 0              | /          | /          | /           | /           | /      |
| 3979.98     | 3980.98    | 0.36      | 0              | 2          | 3980.514   | -42.61      | -13         | Pass   |
| 3980.98     | 3984.98    | 0.5       | 1.43           | 3          | 3985.000   | -41.12      | -13         | Pass   |

n77a 30kHz SISO NTN 60MHz CP-OFDM QPSK 3949.98MHz Inner 1RB Right



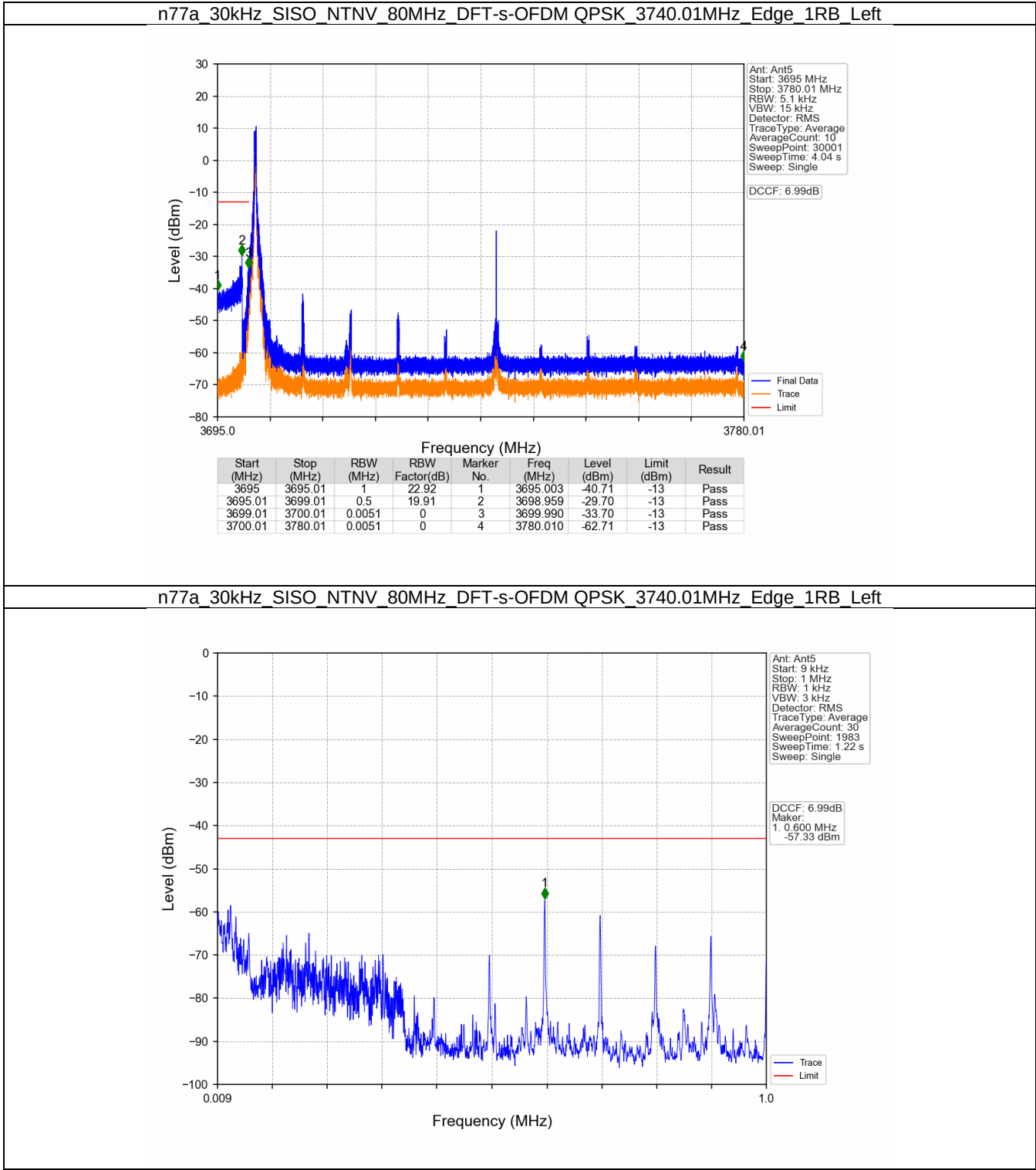
| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3919.98     | 3979.98    | 0.0051    | 0              | 1          | 3919.980   | -63.30      | -13         | Pass   |
| 3979.98     | 3979.98    | 0.0051    | 0              | /          | /          | /           | /           | /      |
| 3979.98     | 3980.98    | 0.0051    | 0              | 2          | 3980.010   | -43.16      | -13         | Pass   |
| 3980.98     | 3984.98    | 0.5       | 19.91          | 3          | 3982.200   | -20.66      | -13         | Pass   |
| 3984.98     | 3985       | 1         | 22.92          | 4          | 3984.985   | -38.75      | -13         | Pass   |

## 1.5 30k\_SISO\_80MHz\_NTNV

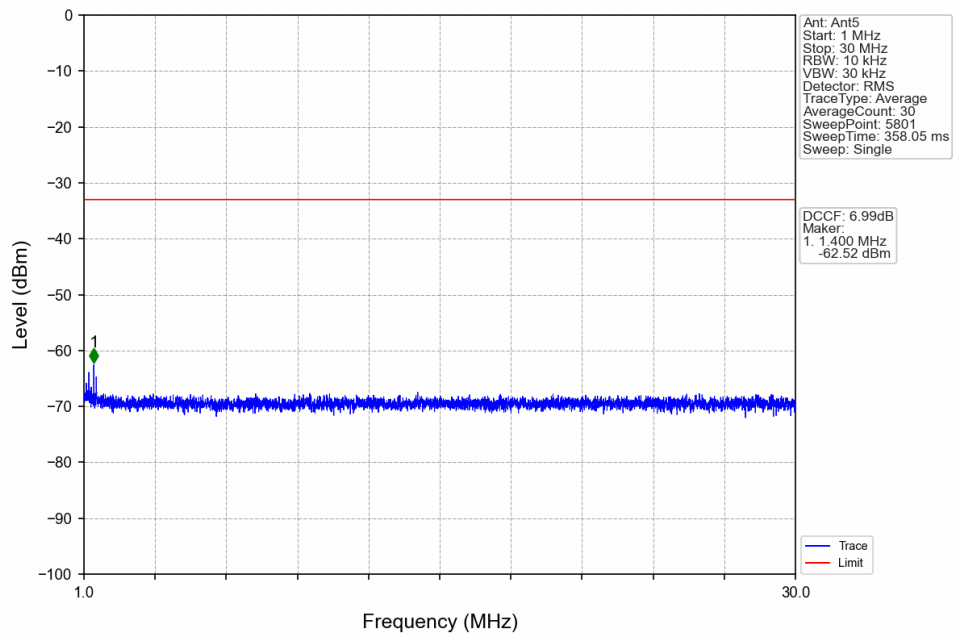
### 1.5.1 Test Result

| 5G NR n77a SCS=30kHz SISO 80MHz NTNv |                 |                |                     |                     |     |       |         |      |
|--------------------------------------|-----------------|----------------|---------------------|---------------------|-----|-------|---------|------|
| Modulation                           | Frequency (MHz) | RB Allocation  | Spurious Emission   |                     |     |       | Verdict |      |
|                                      |                 |                | Ant5                | Ant2                | Sum | Limit |         |      |
| DFT-s-OFDM QPSK                      | 3740.01         | Edge_1RB_Left  | Refer To Test Graph |                     |     |       | Pass    |      |
|                                      |                 | Outer_Full     | Refer To Test Graph |                     |     |       | Pass    |      |
|                                      |                 | Inner_1RB_Left | Refer To Test Graph |                     |     |       | Pass    |      |
|                                      | 3840            | Edge_1RB_Left  | Refer To Test Graph |                     |     |       | Pass    |      |
|                                      |                 | 3939.99        | Edge_1RB_Right      | Refer To Test Graph |     |       |         | Pass |
|                                      |                 |                | Outer_Full          | Refer To Test Graph |     |       |         | Pass |
|                                      |                 |                | Inner_1RB_Right     | Refer To Test Graph |     |       |         | Pass |
| CP-OFDM QPSK                         | 3740.01         | Edge_1RB_Left  | Refer To Test Graph |                     |     |       | Pass    |      |
|                                      |                 | Outer_Full     | Refer To Test Graph |                     |     |       | Pass    |      |
|                                      |                 | Inner_1RB_Left | Refer To Test Graph |                     |     |       | Pass    |      |
|                                      | 3840            | Edge_1RB_Left  | Refer To Test Graph |                     |     |       | Pass    |      |
|                                      |                 | 3939.99        | Edge_1RB_Right      | Refer To Test Graph |     |       |         | Pass |
|                                      |                 |                | Outer_Full          | Refer To Test Graph |     |       |         | Pass |
|                                      |                 |                | Inner_1RB_Right     | Refer To Test Graph |     |       |         | Pass |

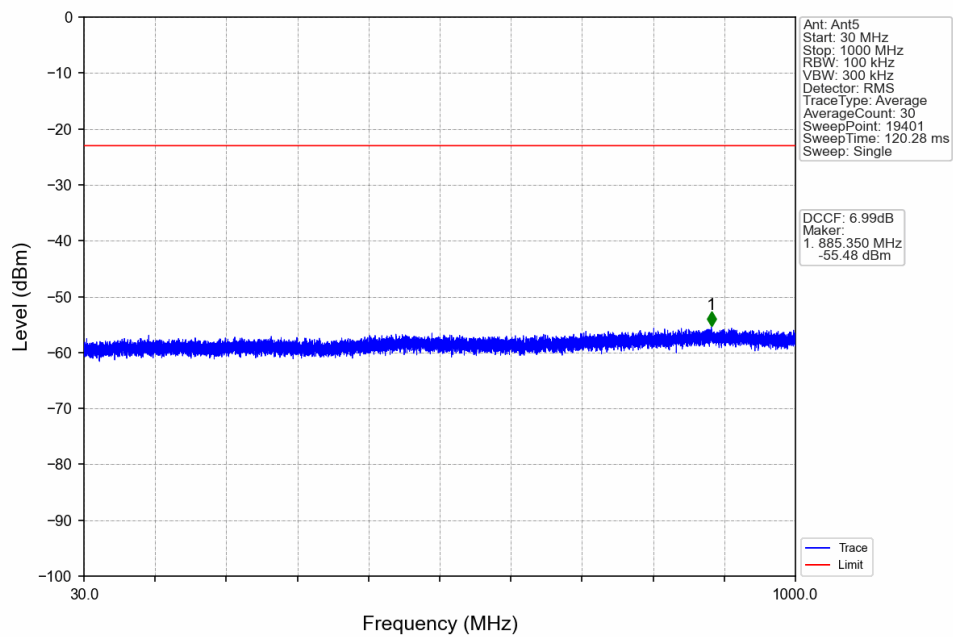
1.5.2 Test Graph



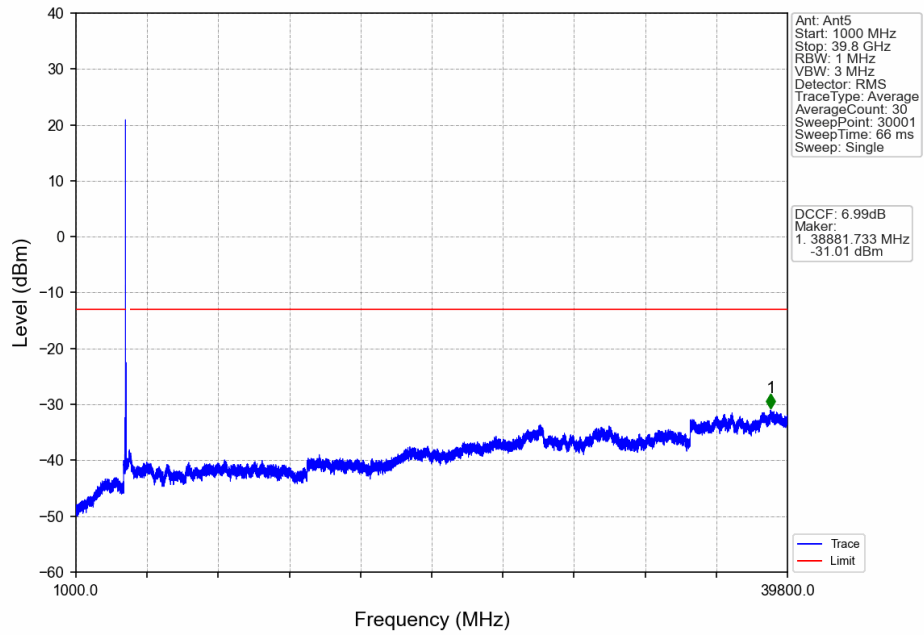
n77a 30kHz SISO NTN 80MHz DFT-s-OFDM QPSK 3740.01MHz Edge 1RB Left



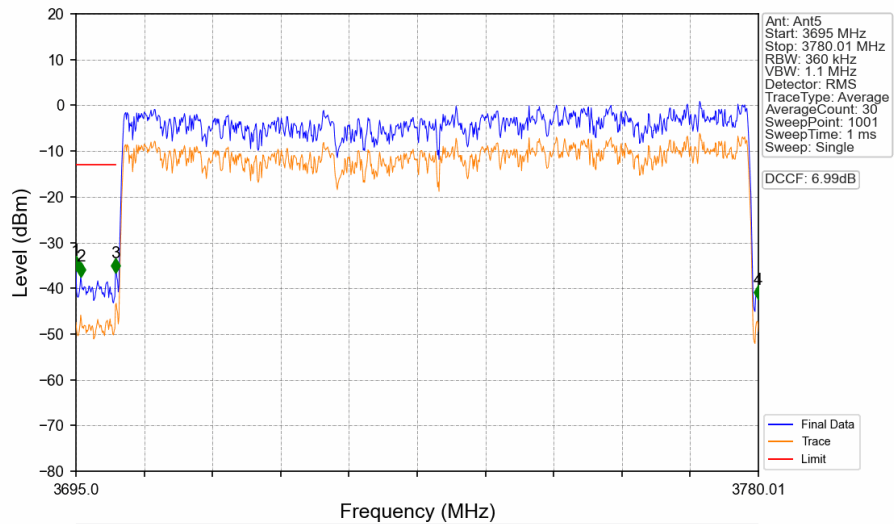
n77a 30kHz SISO NTN 80MHz DFT-s-OFDM QPSK 3740.01MHz Edge 1RB Left



n77a 30kHz SISO NTN 80MHz DFT-s-OFDM QPSK 3740.01MHz Edge 1RB Left

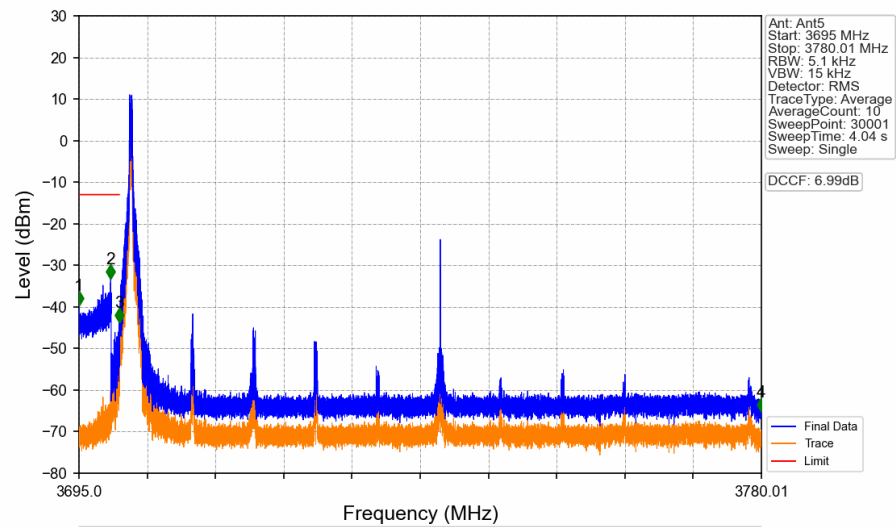


n77a 30kHz SISO NTN 80MHz DFT-s-OFDM QPSK 3740.01MHz Outer Full



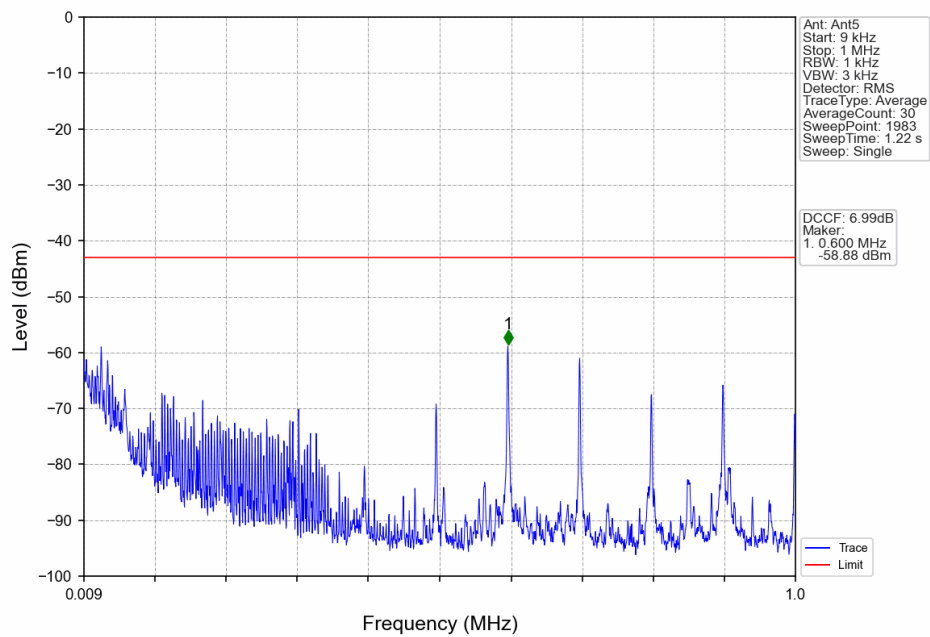
| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3695        | 3695.01    | 1         | 4.44           | 1          | 3695.000   | -36.05      | -13         | Pass   |
| 3695.01     | 3699.01    | 0.5       | 1.43           | 2          | 3695.595   | -37.40      | -13         | Pass   |
| 3699.01     | 3700.01    | 0.36      | 0              | 3          | 3699.931   | -36.64      | -13         | Pass   |
| 3700.01     | 3780.01    | 0.36      | 0              | 4          | 3780.010   | -42.48      | -13         | Pass   |

n77a 30kHz SISO NTN 80MHz DFT-s-OFDM QPSK 3740.01MHz Inner 1RB Left

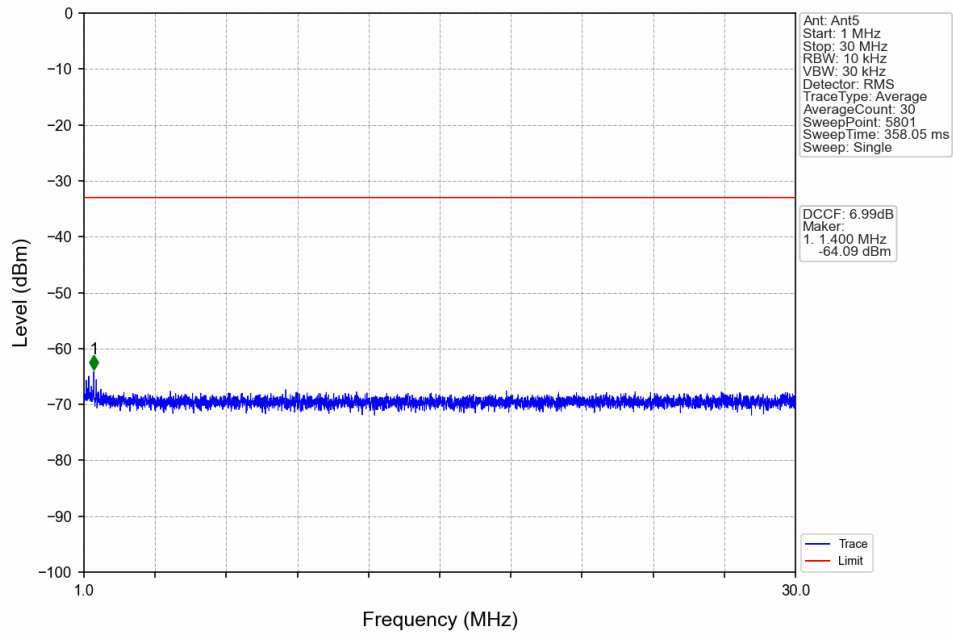


| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3695        | 3695.01    | 1         | 22.92          | 1          | 3695.003   | -39.63      | -13         | Pass   |
| 3695.01     | 3699.01    | 0.5       | 19.91          | 2          | 3698.944   | -33.30      | -13         | Pass   |
| 3699.01     | 3700.01    | 0.0051    | 0              | 3          | 3700.010   | -43.80      | -13         | Pass   |
| 3700.01     | 3780.01    | 0.0051    | 0              | 4          | 3780.010   | -65.26      | -13         | Pass   |

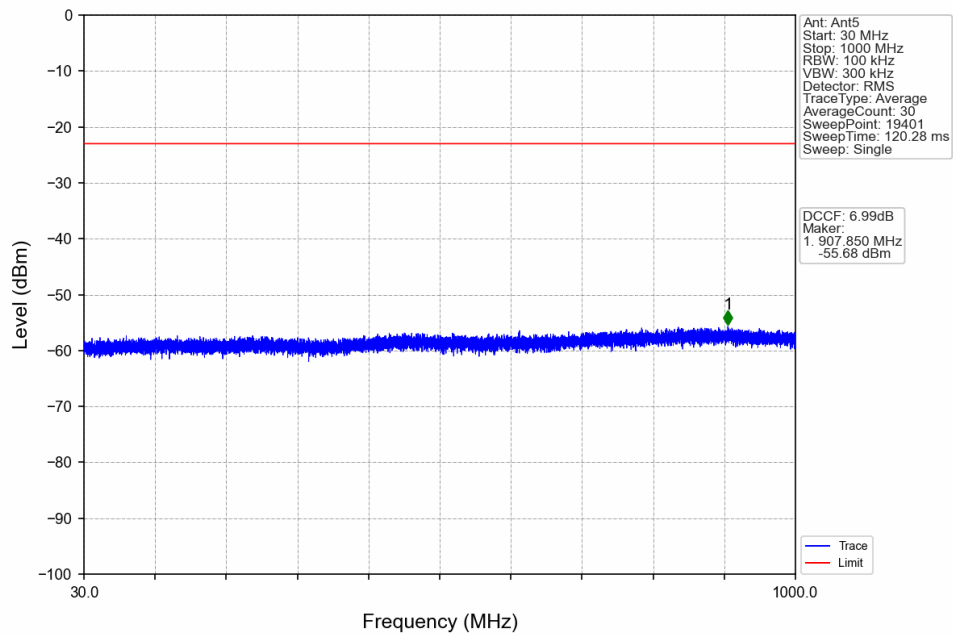
n77a 30kHz SISO NTN 80MHz DFT-s-OFDM QPSK 3840MHz Edge 1RB Left



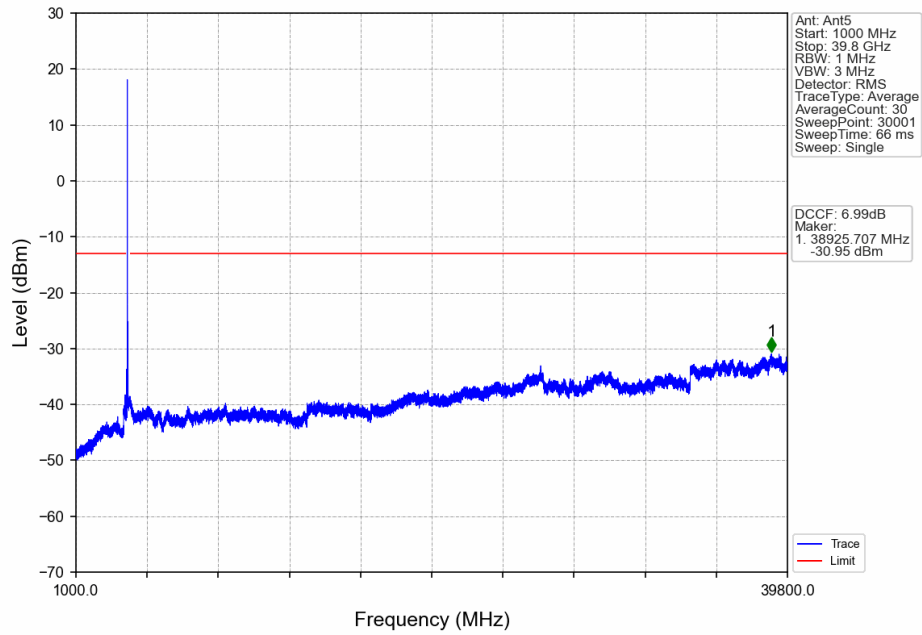
n77a 30kHz SISO NTN 80MHz DFT-s-OFDM QPSK 3840MHz Edge 1RB Left



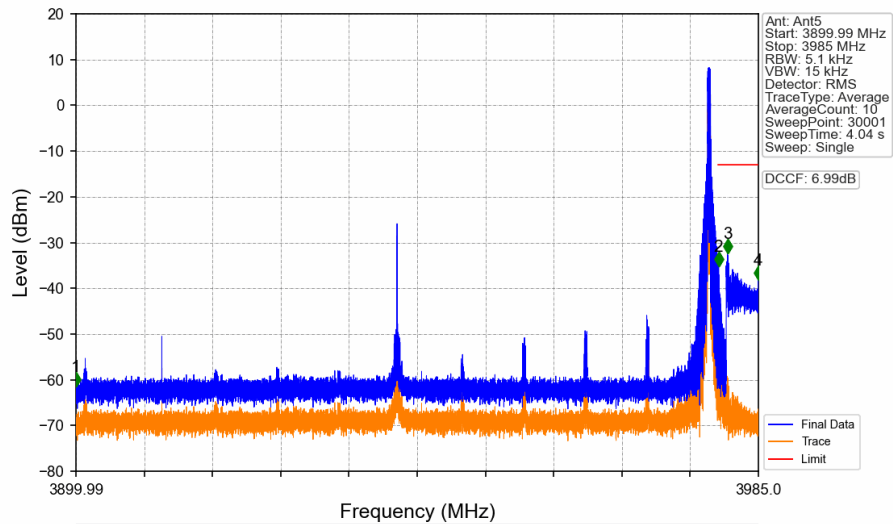
n77a 30kHz SISO NTN 80MHz DFT-s-OFDM QPSK 3840MHz Edge 1RB Left



n77a 30kHz SISO NTN 80MHz DFT-s-OFDM QPSK 3840MHz Edge 1RB Left

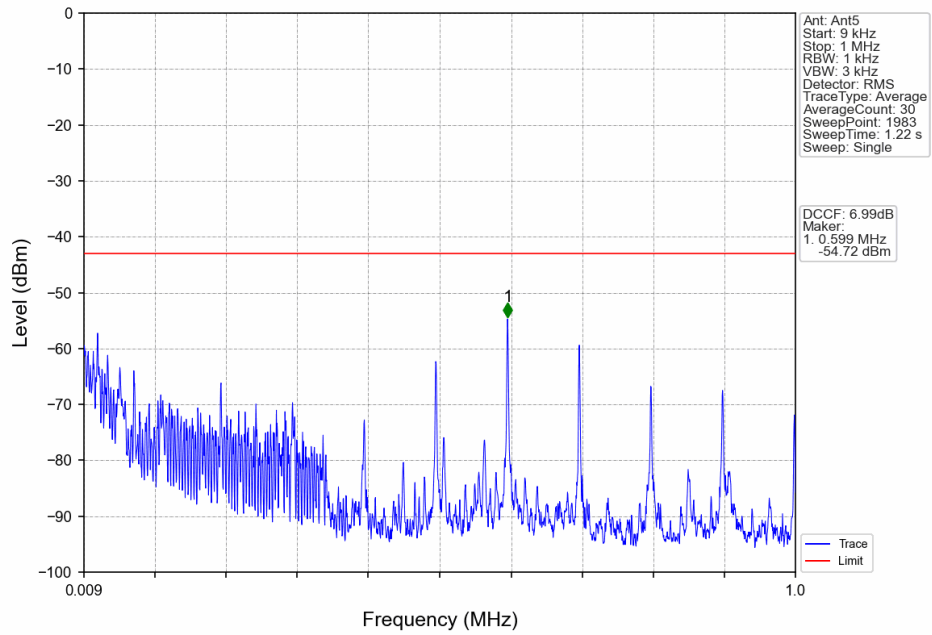


n77a 30kHz SISO NTN 80MHz DFT-s-OFDM QPSK 3939.99MHz Edge 1RB Right

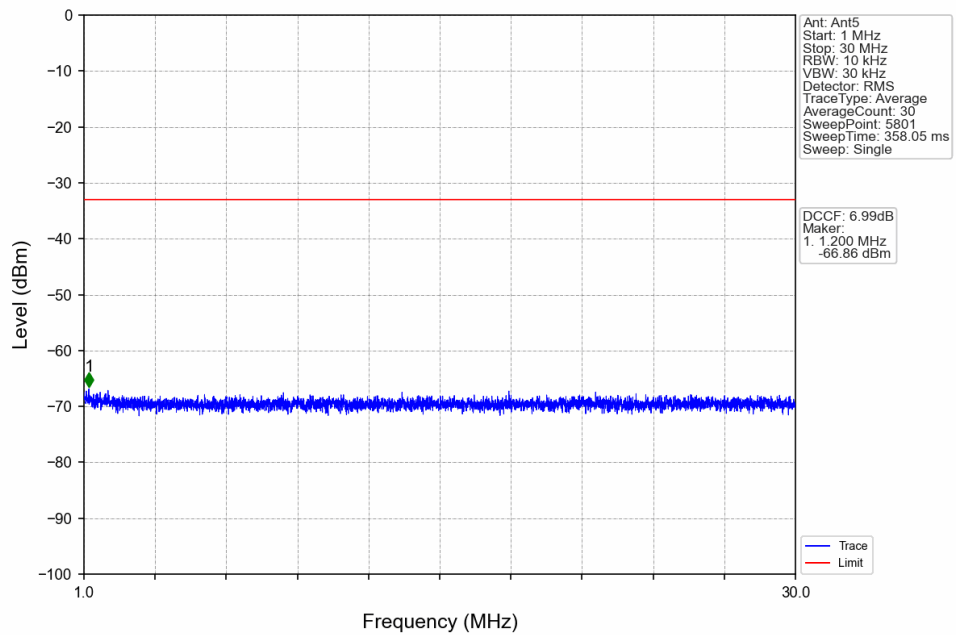


| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3899.99     | 3979.99    | 0.0051    | 0              | 1          | 3899.990   | -61.52      | -13         | Pass   |
| 3979.99     | 3979.99    | 0.0051    | 0              | /          | /          | /           | /           | /      |
| 3979.99     | 3980.99    | 0.0051    | 0              | 2          | 3980.044   | -35.18      | -13         | Pass   |
| 3980.99     | 3984.99    | 0.5       | 19.91          | 3          | 3981.135   | -32.33      | -13         | Pass   |
| 3984.99     | 3985       | 1         | 22.92          | 4          | 3984.991   | -38.24      | -13         | Pass   |

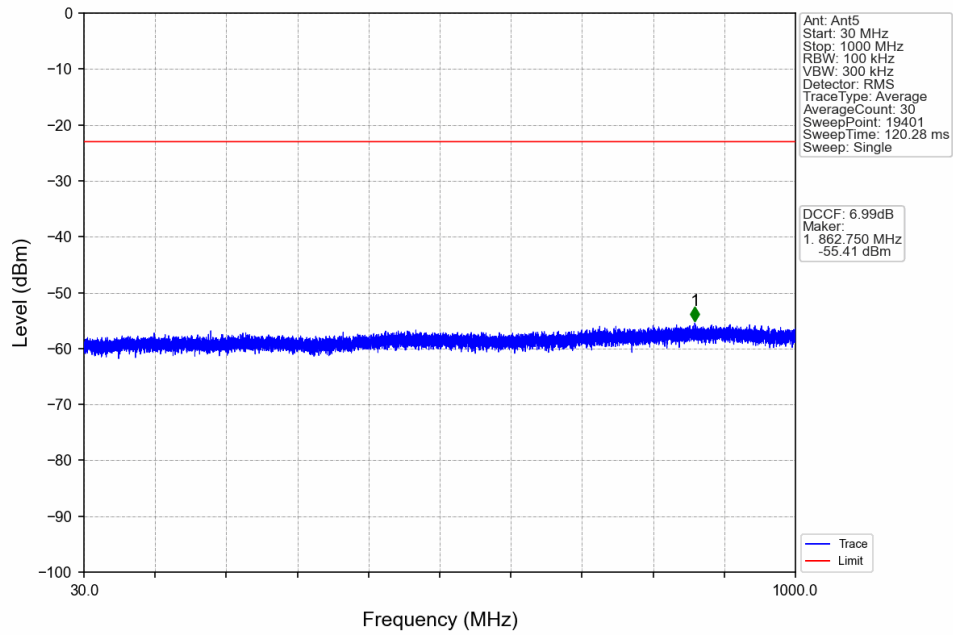
n77a 30kHz SISO NTN 80MHz DFT-s-OFDM QPSK 3939.99MHz Edge 1RB Right



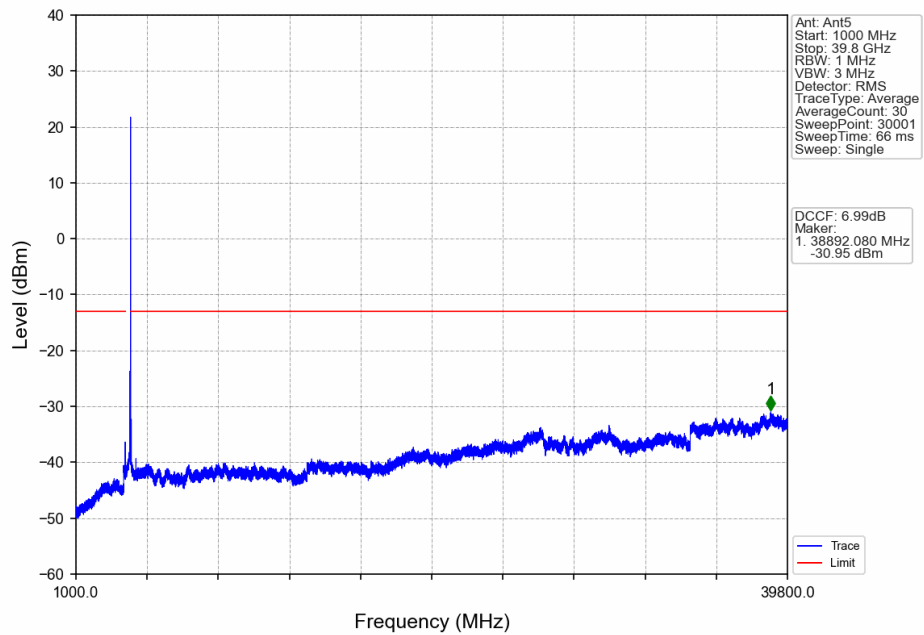
n77a 30kHz SISO NTN 80MHz DFT-s-OFDM QPSK 3939.99MHz Edge 1RB Right



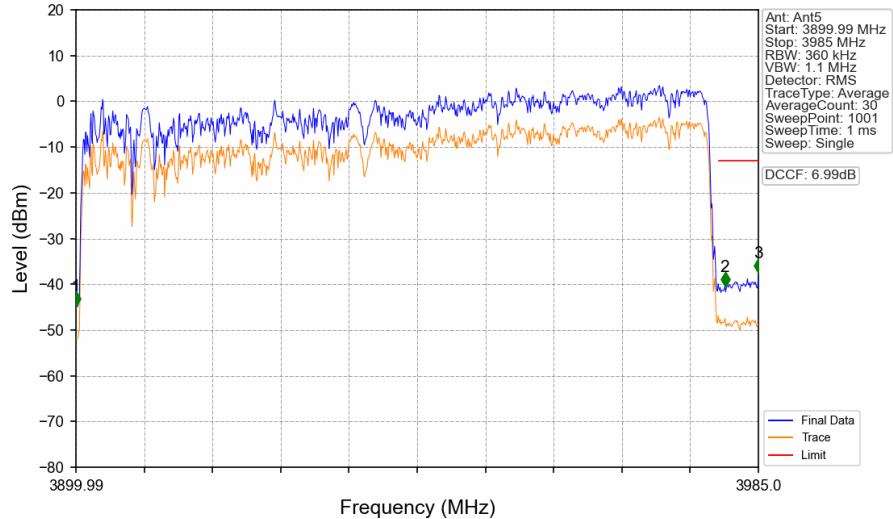
n77a 30kHz SISO NTN 80MHz DFT-s-OFDM QPSK 3939.99MHz Edge 1RB Right



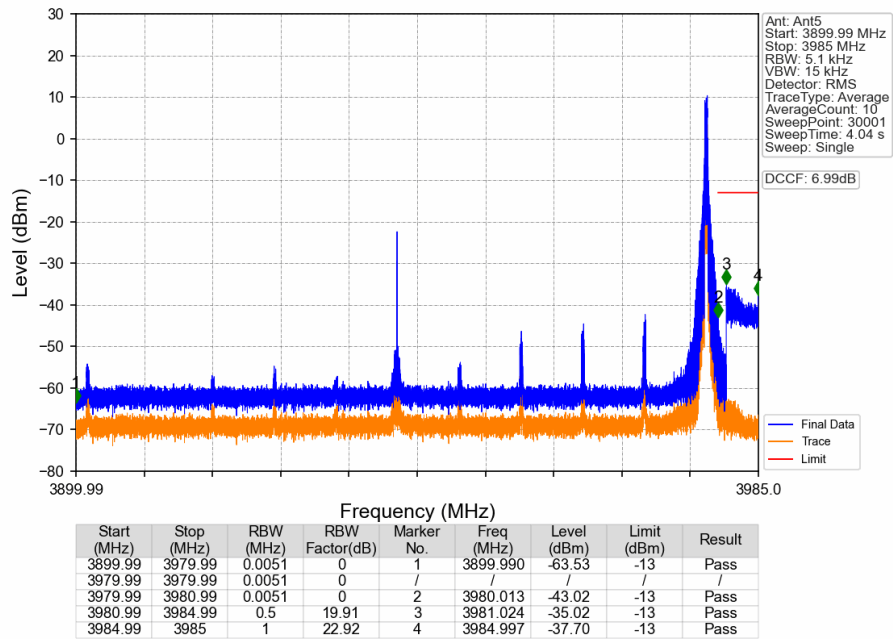
n77a 30kHz SISO NTN 80MHz DFT-s-OFDM QPSK 3939.99MHz Edge 1RB Right



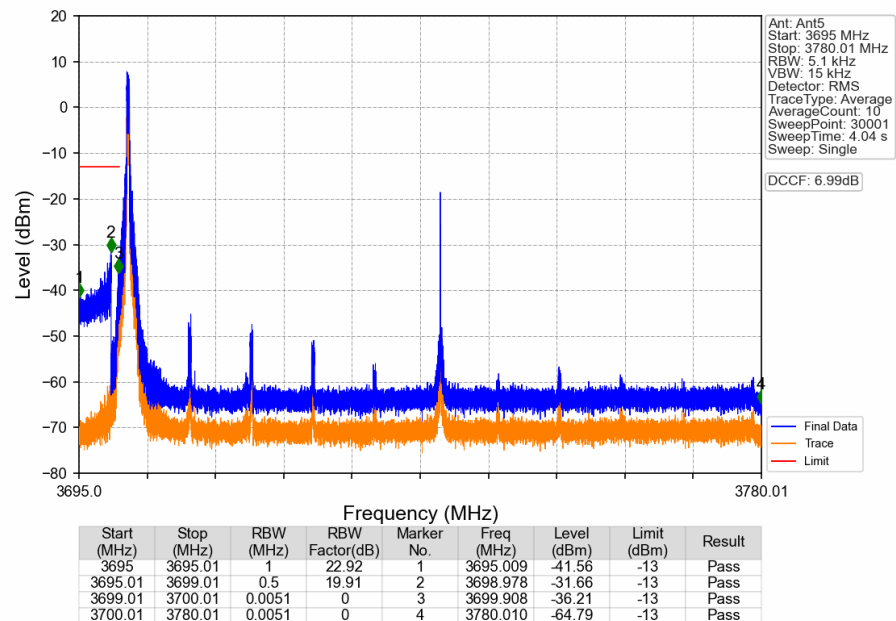
n77a 30kHz SISO NTN 80MHz DFT-s-OFDM QPSK 3939.99MHz Outer Full



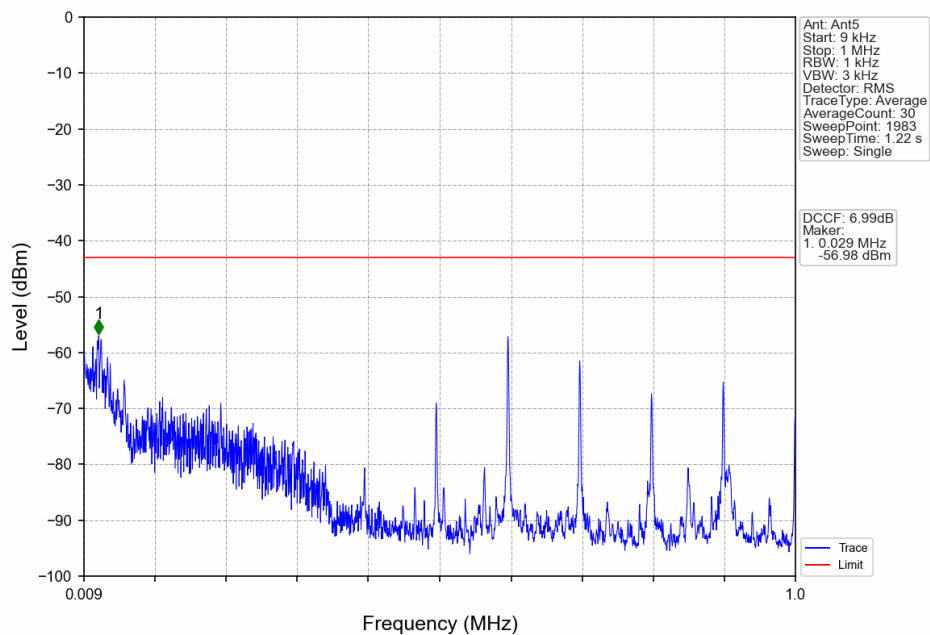
n77a 30kHz SISO NTN 80MHz DFT-s-OFDM QPSK 3939.99MHz Inner 1RB Right



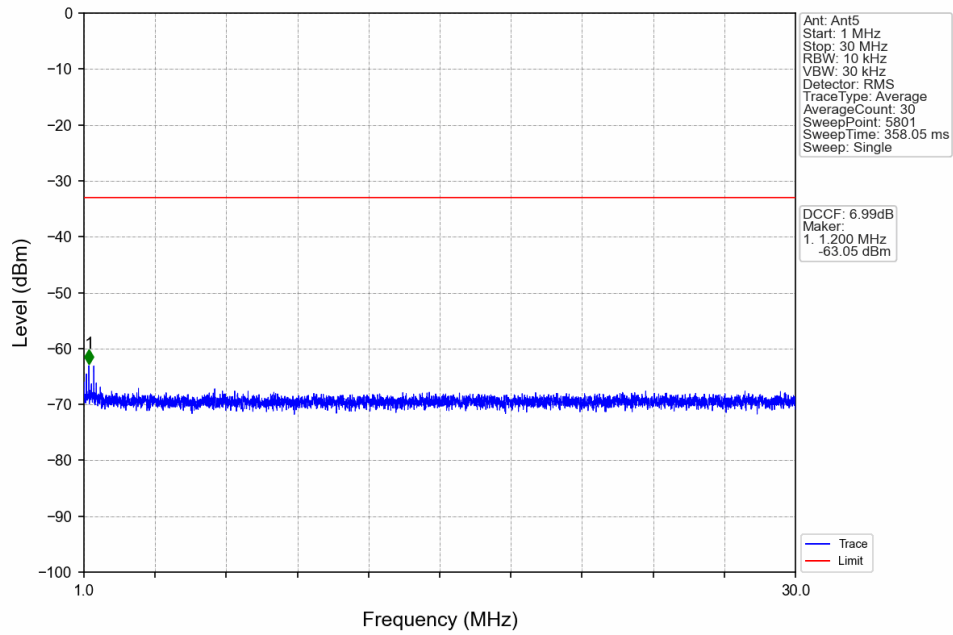
n77a 30kHz SISO NTN 80MHz CP-OFDM QPSK 3740.01MHz Edge 1RB Left



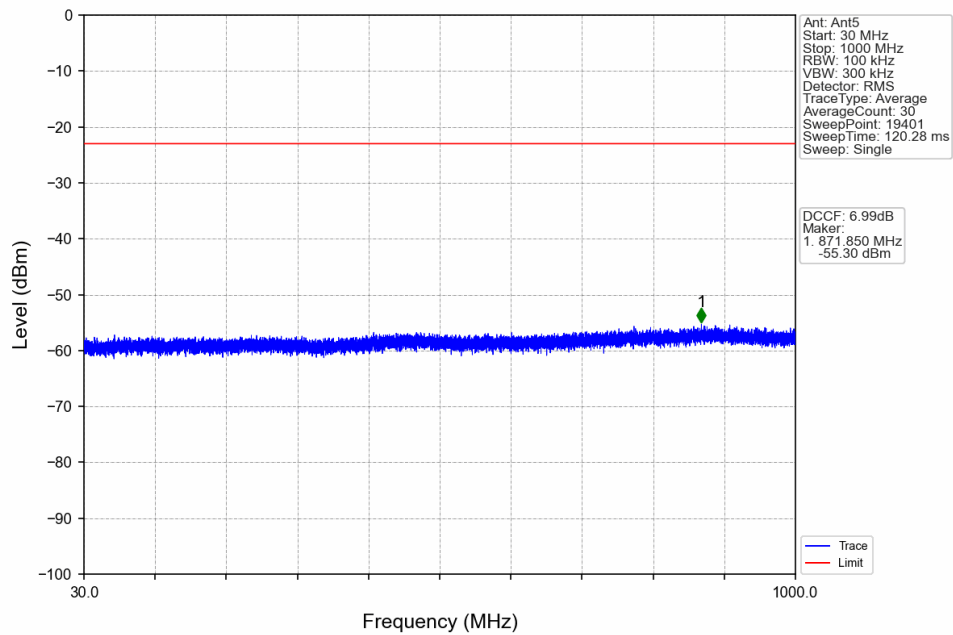
n77a 30kHz SISO NTN 80MHz CP-OFDM QPSK 3740.01MHz Edge 1RB Left



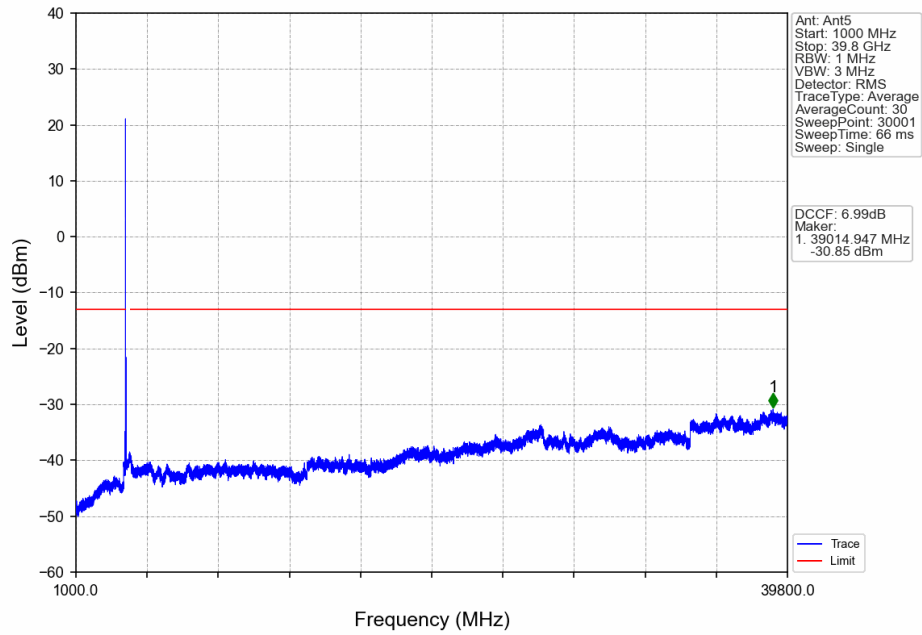
n77a 30kHz SISO NTN 80MHz CP-OFDM QPSK 3740.01MHz Edge 1RB Left



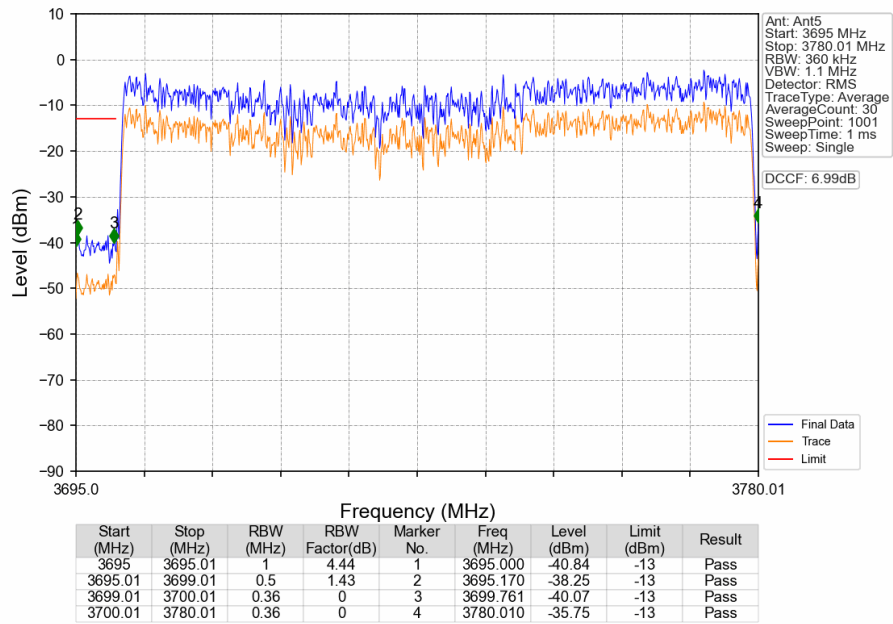
n77a 30kHz SISO NTN 80MHz CP-OFDM QPSK 3740.01MHz Edge 1RB Left



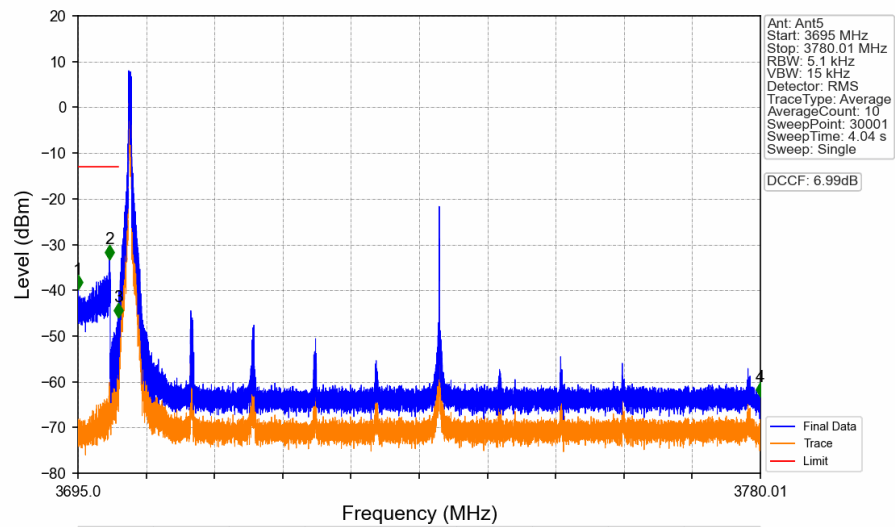
n77a 30kHz SISO NTN 80MHz CP-OFDM QPSK 3740.01MHz Edge 1RB Left



n77a 30kHz SISO NTN 80MHz CP-OFDM QPSK 3740.01MHz Outer Full

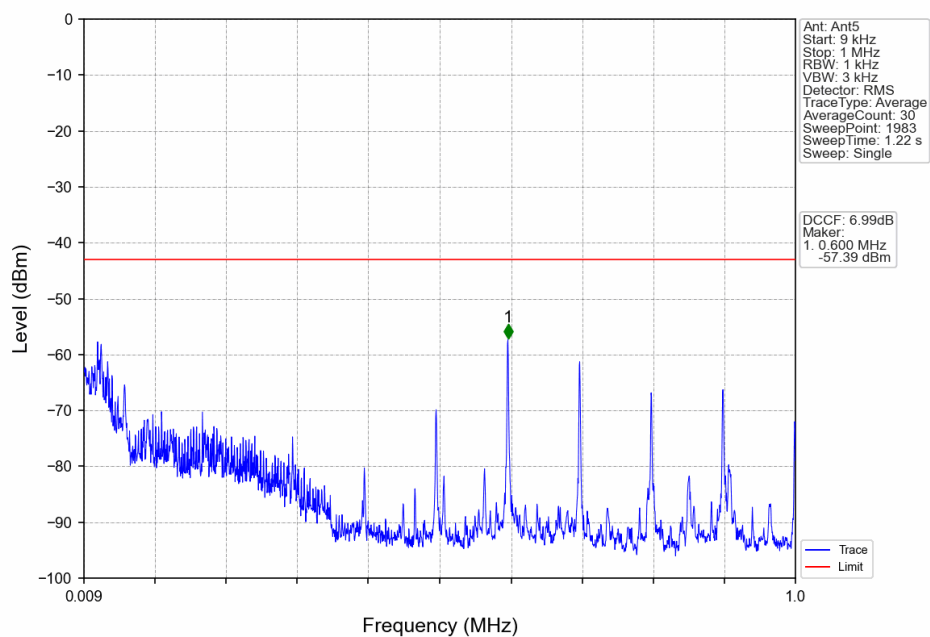


n77a 30kHz SISO NTN 80MHz CP-OFDM QPSK 3740.01MHz Inner 1RB Left

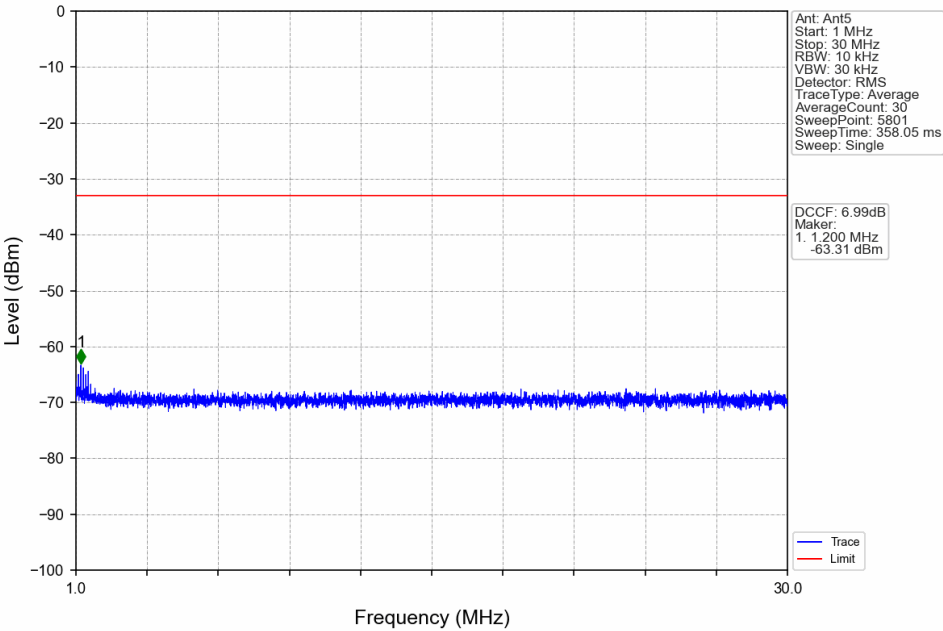


| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3695        | 3695.01    | 1         | 22.92          | 1          | 3695.006   | -39.84      | -13         | Pass   |
| 3695.01     | 3699.01    | 0.5       | 19.91          | 2          | 3698.925   | -33.19      | -13         | Pass   |
| 3699.01     | 3700.01    | 0.0051    | 0              | 3          | 3700.001   | -45.88      | -13         | Pass   |
| 3700.01     | 3780.01    | 0.0051    | 0              | 4          | 3780.010   | -63.22      | -13         | Pass   |

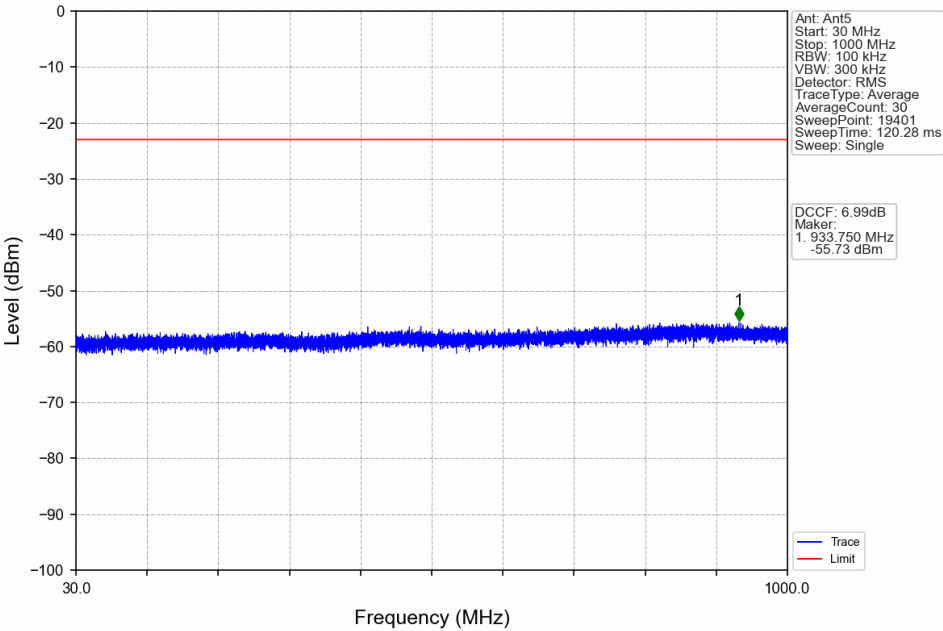
n77a 30kHz SISO NTN 80MHz CP-OFDM QPSK 3840MHz Edge 1RB Left



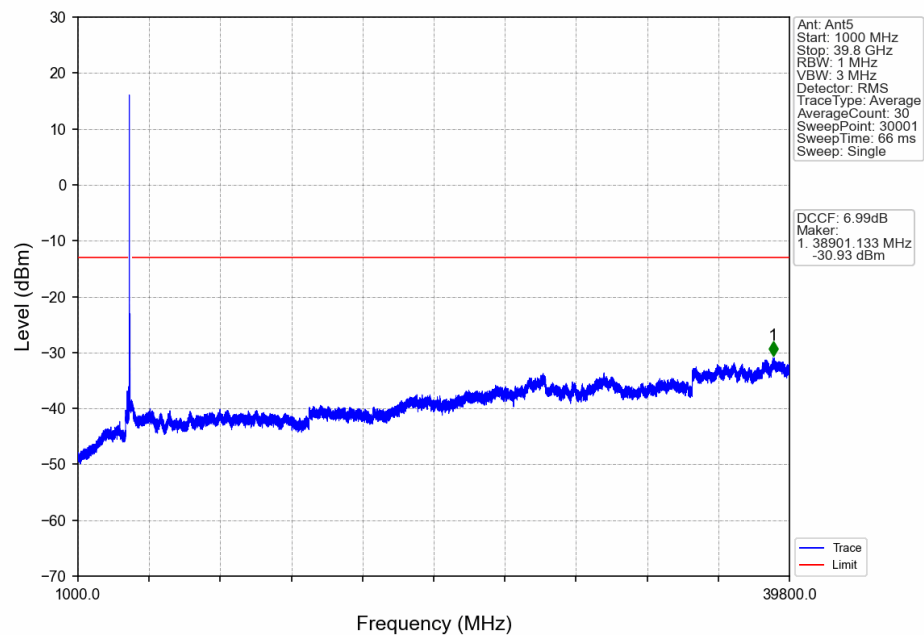
n77a 30kHz SISO NTN 80MHz CP-OFDM QPSK 3840MHz Edge 1RB Left



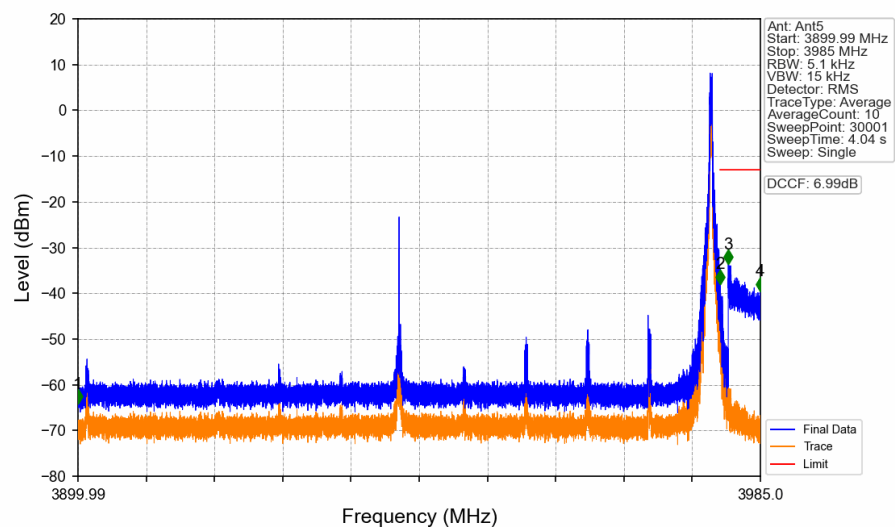
n77a 30kHz SISO NTN 80MHz CP-OFDM QPSK 3840MHz Edge 1RB Left



n77a 30kHz SISO NTN 80MHz CP-OFDM QPSK 3840MHz Edge 1RB Left

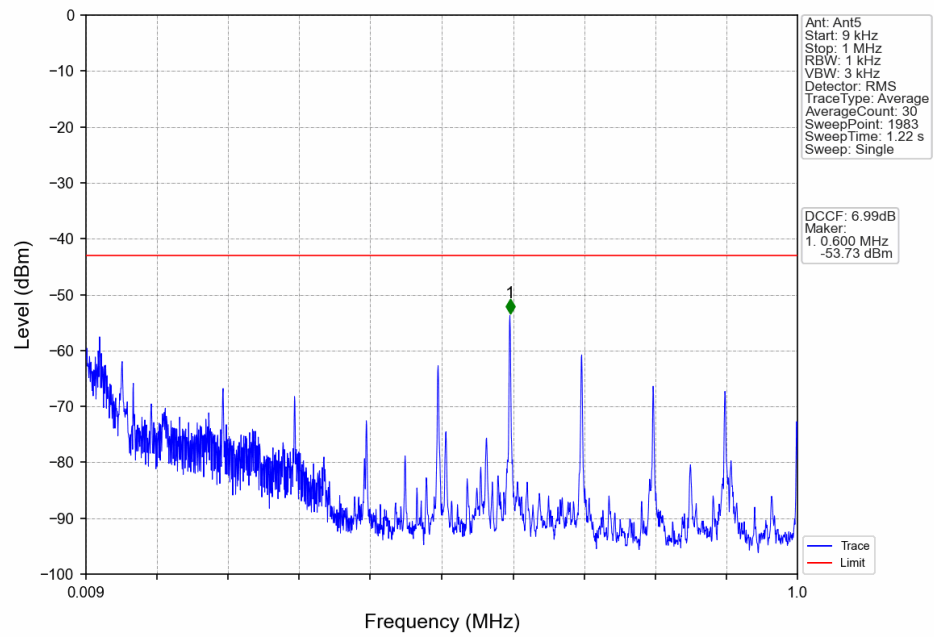


n77a 30kHz SISO NTN 80MHz CP-OFDM QPSK 3939.99MHz Edge 1RB Right

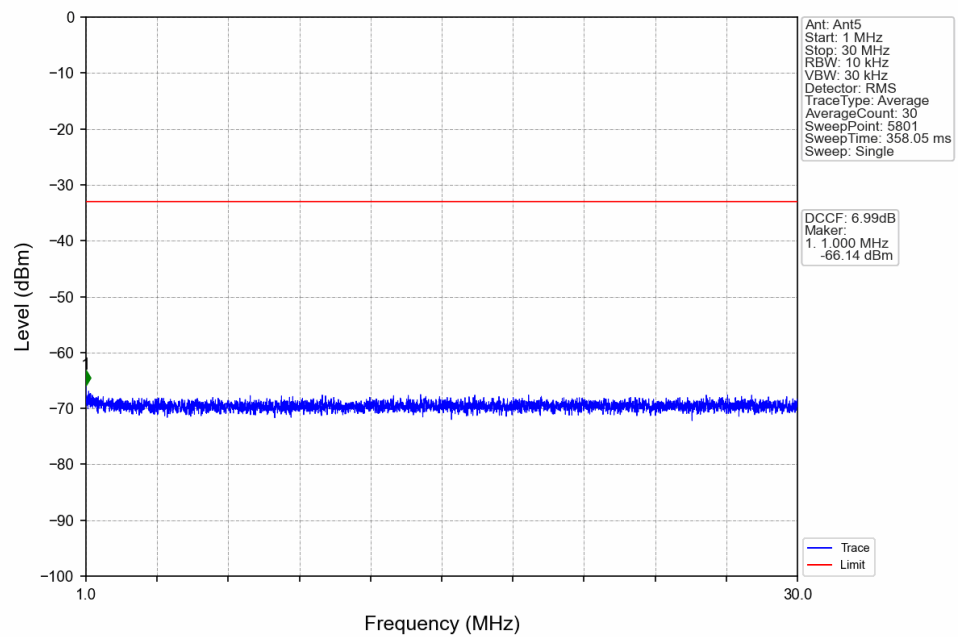


| Frequency (MHz) |            |           |                |            |            |             |             |        |
|-----------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| Start (MHz)     | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
| 3899.99         | 3979.99    | 0.0051    | 0              | 1          | 3899.990   | -64.07      | -13         | Pass   |
| 3979.99         | 3979.99    | 0.0051    | 0              | /          | /          | /           | /           | /      |
| 3979.99         | 3980.99    | 0.0051    | 0              | 2          | 3980.007   | -37.95      | -13         | Pass   |
| 3980.99         | 3984.99    | 0.5       | 19.91          | 3          | 3980.999   | -33.64      | -13         | Pass   |
| 3984.99         | 3985       | 1         | 22.92          | 4          | 3985.000   | -39.52      | -13         | Pass   |

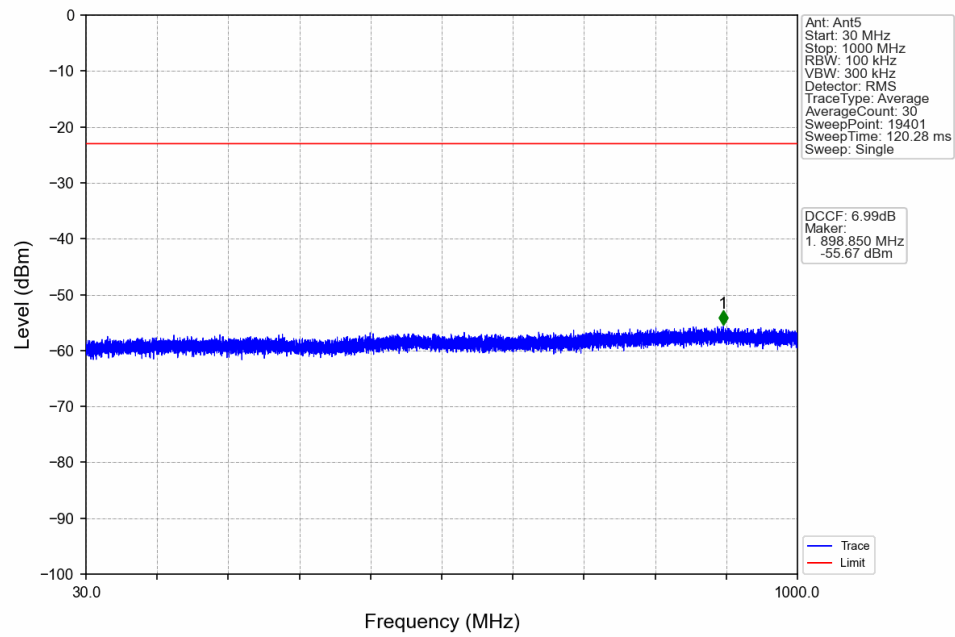
n77a 30kHz SISO NTN 80MHz CP-OFDM QPSK 3939.99MHz Edge 1RB Right



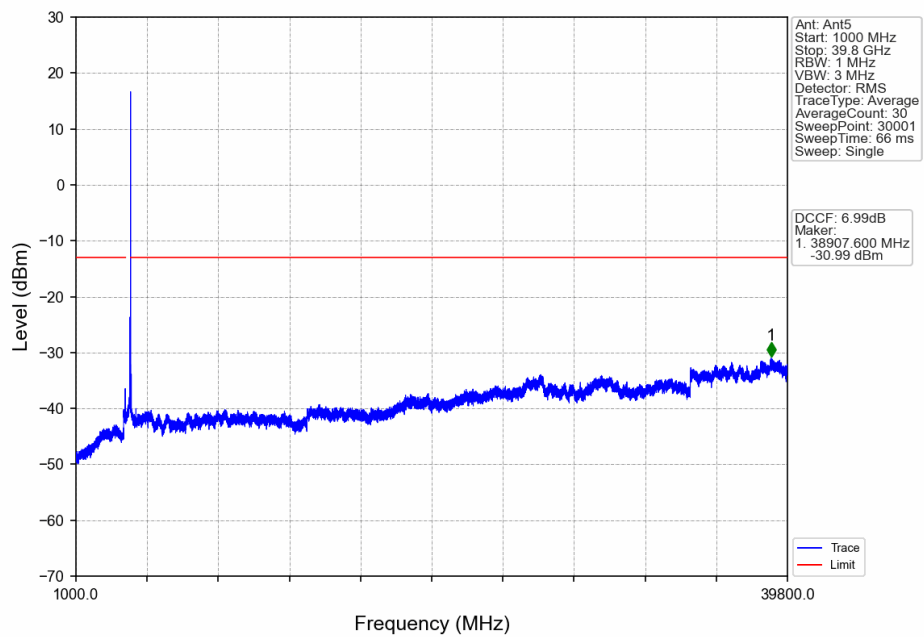
n77a 30kHz SISO NTN 80MHz CP-OFDM QPSK 3939.99MHz Edge 1RB Right



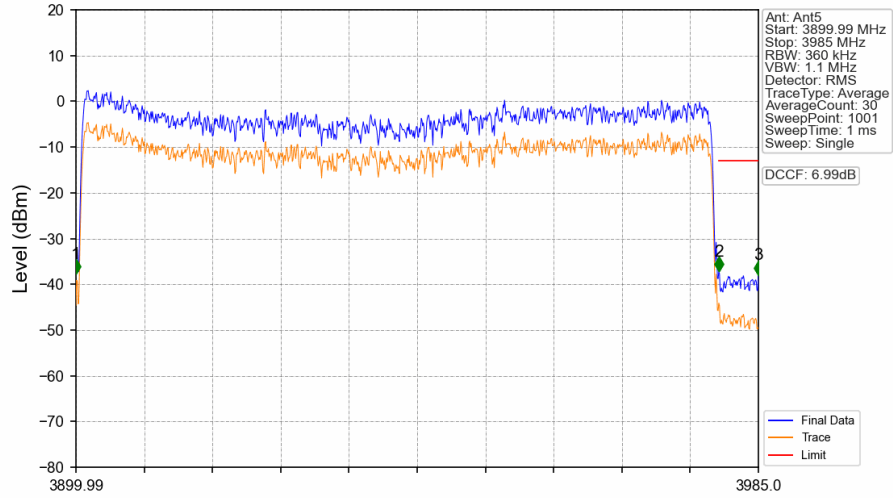
n77a 30kHz SISO NTN 80MHz CP-OFDM QPSK 3939.99MHz Edge 1RB Right



n77a 30kHz SISO NTN 80MHz CP-OFDM QPSK 3939.99MHz Edge 1RB Right

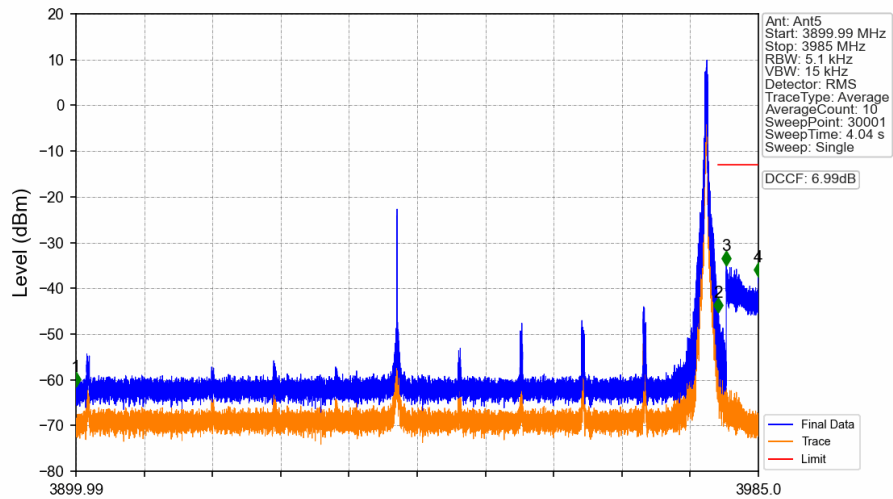


n77a 30kHz SISO NTN 80MHz CP-OFDM QPSK 3939.99MHz Outer Full



| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3899.99     | 3979.99    | 0.36      | 0              | 1          | 3899.990   | -37.64      | -13         | Pass   |
| 3979.99     | 3979.99    | 0.36      | 0              | /          | /          | /           | /           | /      |
| 3979.99     | 3980.99    | 0.36      | 0              | 2          | 3980.069   | -37.10      | -13         | Pass   |
| 3980.99     | 3984.99    | 0.5       | 1.43           | 3          | 3985.000   | -37.95      | -13         | Pass   |

n77a 30kHz SISO NTN 80MHz CP-OFDM QPSK 3939.99MHz Inner 1RB Right



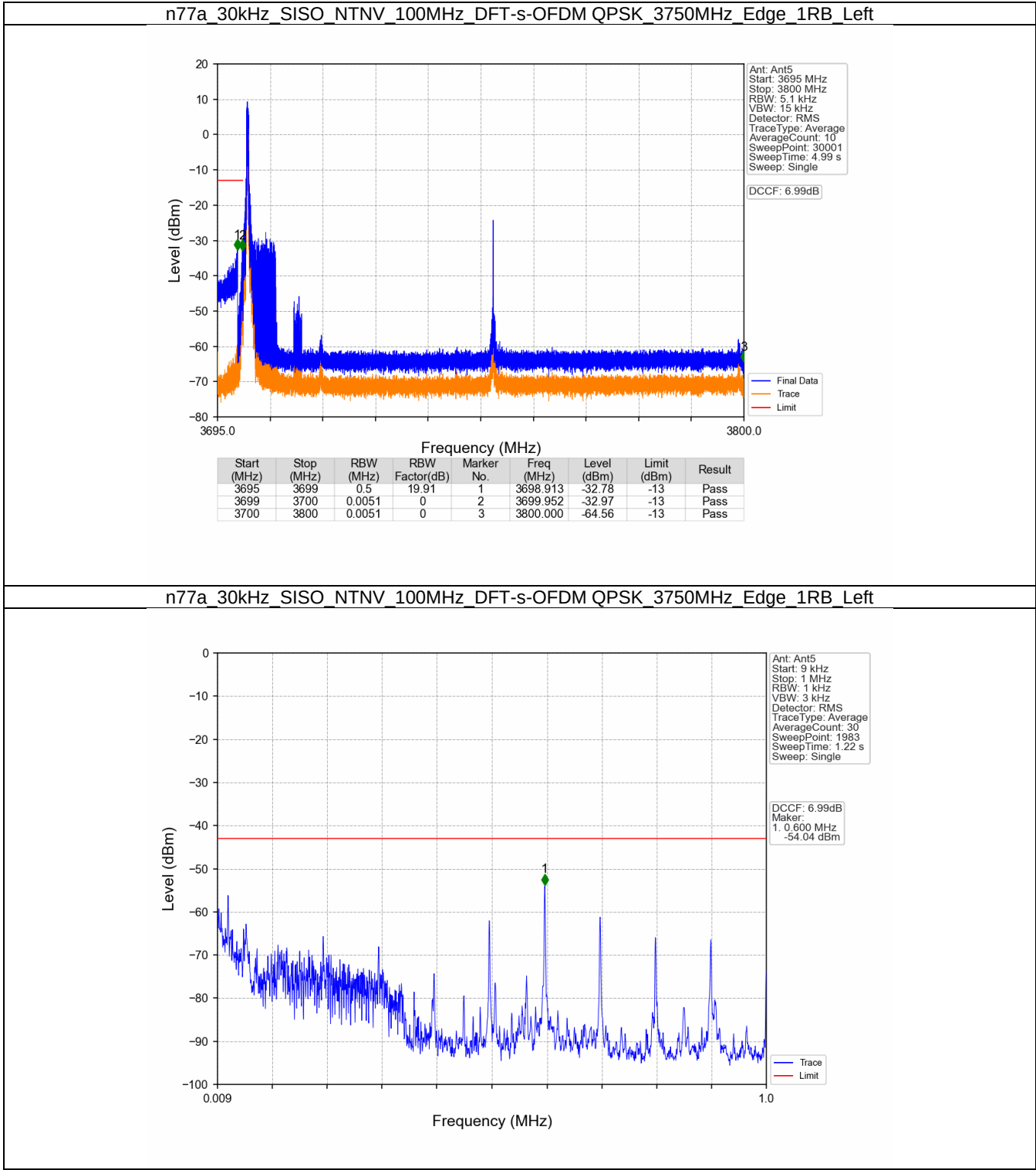
| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3899.99     | 3979.99    | 0.0051    | 0              | 1          | 3899.990   | -61.56      | -13         | Pass   |
| 3979.99     | 3979.99    | 0.0051    | 0              | /          | /          | /           | /           | /      |
| 3979.99     | 3980.99    | 0.0051    | 0              | 2          | 3979.990   | -45.25      | -13         | Pass   |
| 3980.99     | 3984.99    | 0.5       | 19.91          | 3          | 3980.996   | -34.98      | -13         | Pass   |
| 3984.99     | 3985       | 1         | 22.92          | 4          | 3984.994   | -37.45      | -13         | Pass   |

## 1.6 30k\_SISO\_100MHz\_NTNV

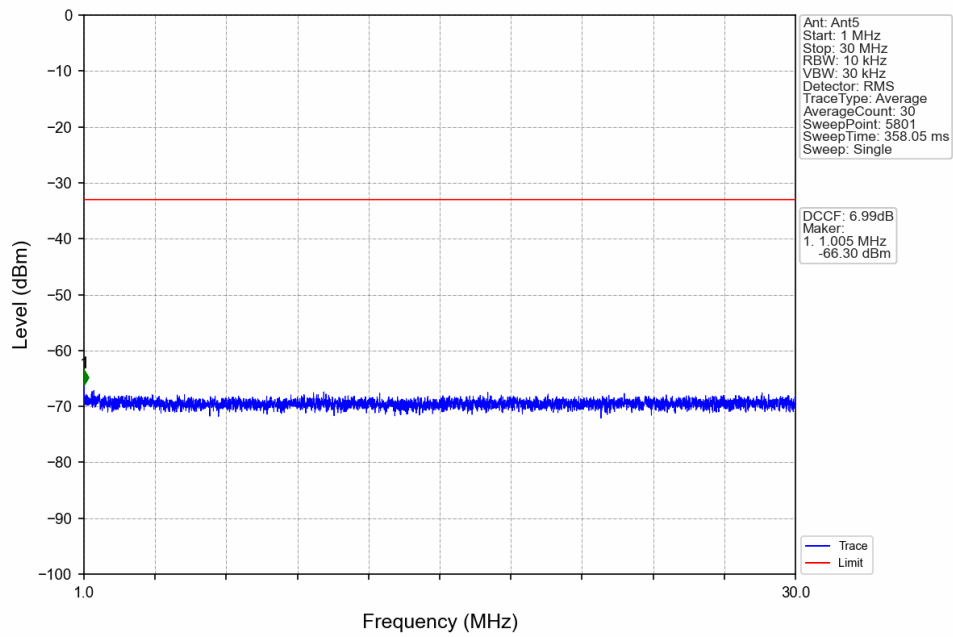
### 1.6.1 Test Result

| 5G NR n77a SCS=30kHz SISO 100MHz NTNv |                    |                  |                     |                     |     |       |         |      |
|---------------------------------------|--------------------|------------------|---------------------|---------------------|-----|-------|---------|------|
| Modulation                            | Frequency<br>(MHz) | RB<br>Allocation | Spurious Emission   |                     |     |       | Verdict |      |
|                                       |                    |                  | Ant5                | Ant2                | Sum | Limit |         |      |
| DFT-s-OFDM<br>QPSK                    | 3750               | Edge_1RB_Left    | Refer To Test Graph |                     |     |       | Pass    |      |
|                                       |                    | Outer_Full       | Refer To Test Graph |                     |     |       | Pass    |      |
|                                       |                    | Inner_1RB_Left   | Refer To Test Graph |                     |     |       | Pass    |      |
|                                       | 3840               | Edge_1RB_Left    | Refer To Test Graph |                     |     |       | Pass    |      |
|                                       |                    | 3930             | Edge_1RB_Right      | Refer To Test Graph |     |       |         | Pass |
|                                       |                    |                  | Outer_Full          | Refer To Test Graph |     |       |         | Pass |
|                                       |                    |                  | Inner_1RB_Right     | Refer To Test Graph |     |       |         | Pass |
| CP-OFDM QPSK                          | 3750               | Edge_1RB_Left    | Refer To Test Graph |                     |     |       | Pass    |      |
|                                       |                    | Outer_Full       | Refer To Test Graph |                     |     |       | Pass    |      |
|                                       |                    | Inner_1RB_Left   | Refer To Test Graph |                     |     |       | Pass    |      |
|                                       | 3840               | Edge_1RB_Left    | Refer To Test Graph |                     |     |       | Pass    |      |
|                                       |                    | 3930             | Edge_1RB_Right      | Refer To Test Graph |     |       |         | Pass |
|                                       |                    |                  | Outer_Full          | Refer To Test Graph |     |       |         | Pass |
|                                       |                    |                  | Inner_1RB_Right     | Refer To Test Graph |     |       |         | Pass |

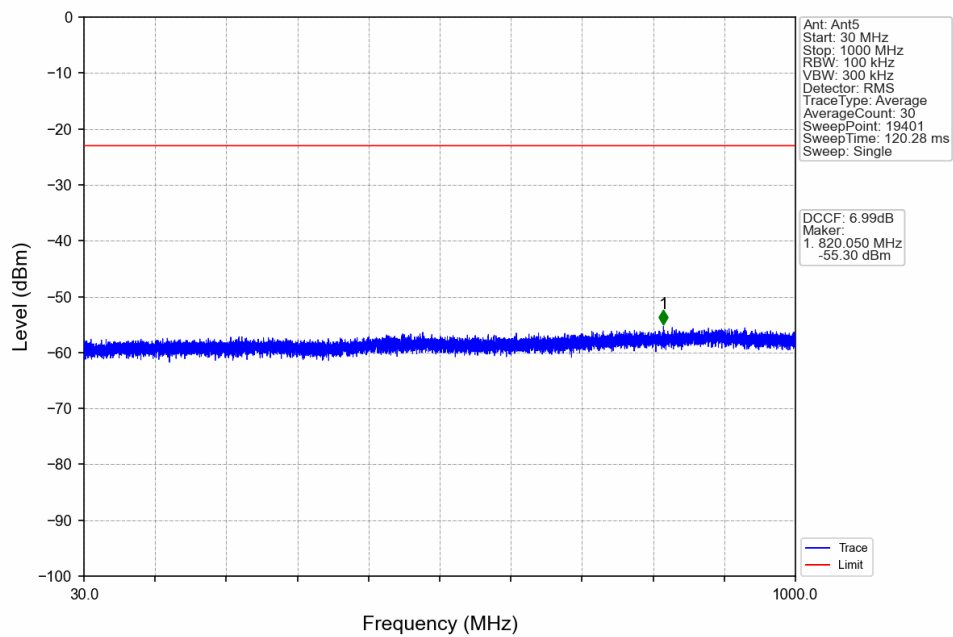
1.6.2 Test Graph



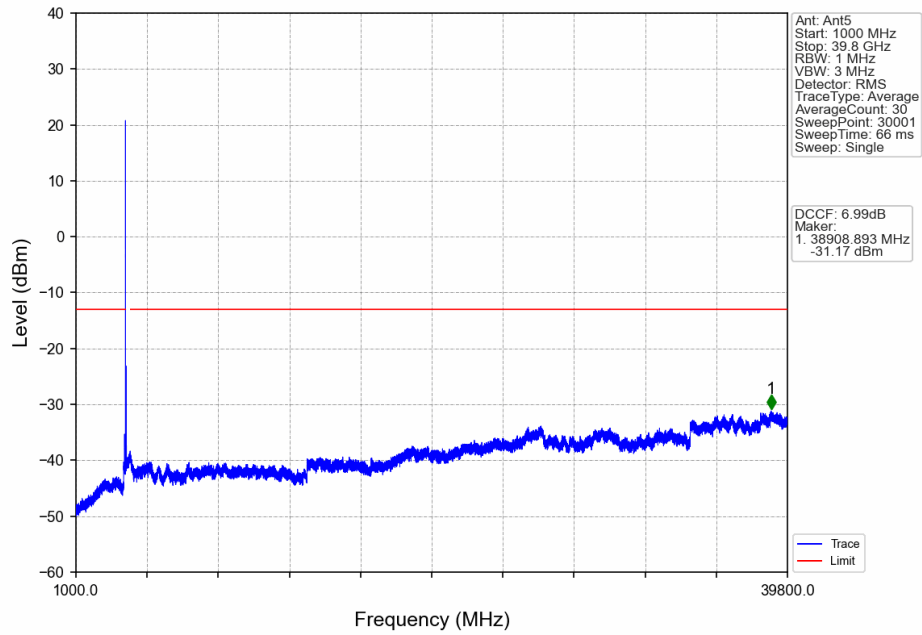
n77a 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 3750MHz Edge 1RB Left



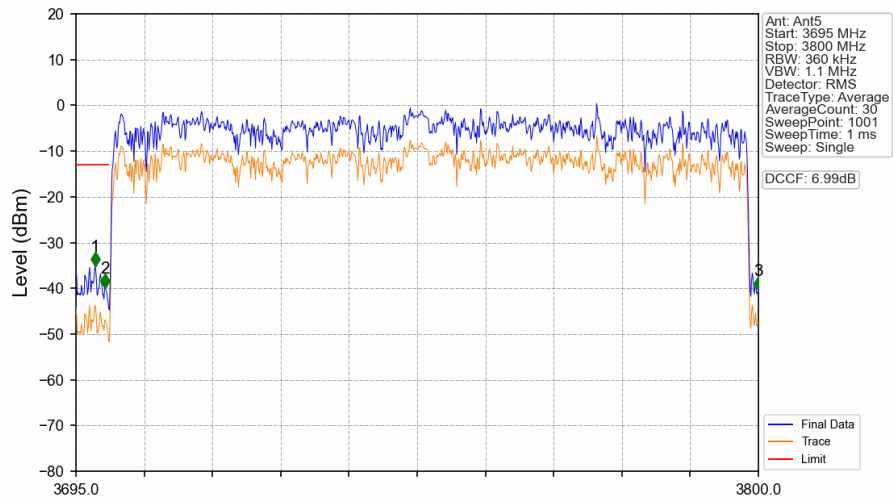
n77a 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 3750MHz Edge 1RB Left



# n77a 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 3750MHz Edge 1RB Left

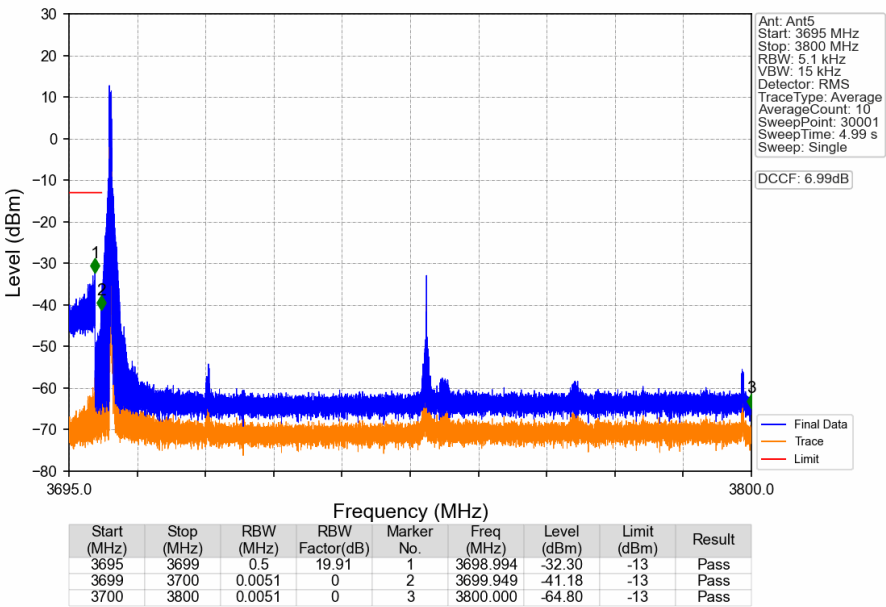


# n77a 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 3750MHz Outer Full

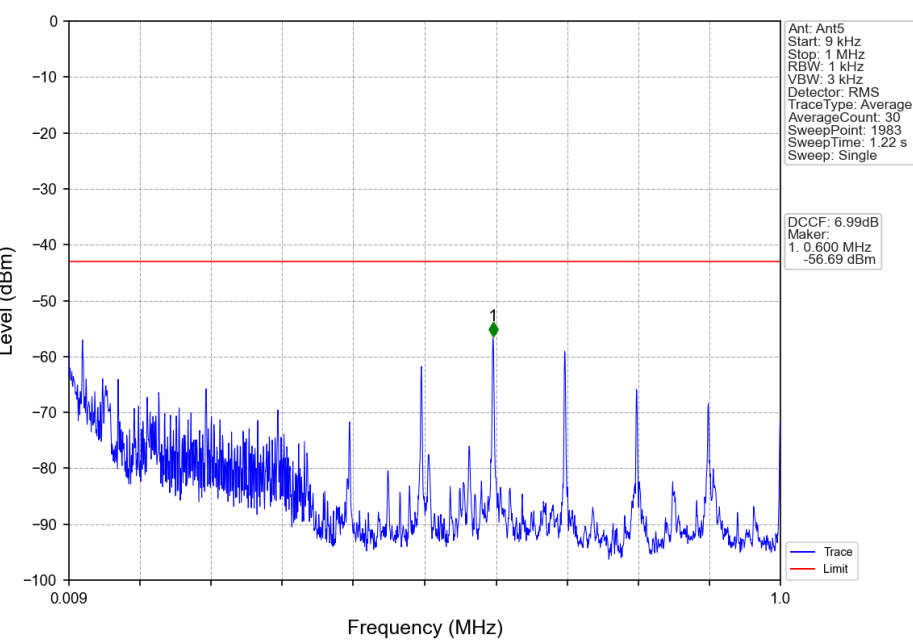


| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3695        | 3699       | 0.5       | 1.43           | 1          | 3697.940   | -35.26      | -13         | Pass   |
| 3699        | 3700       | 0.36      | 0              | 2          | 3699.515   | -39.98      | -13         | Pass   |
| 3700        | 3800       | 0.36      | 0              | 3          | 3800.000   | -40.52      | -13         | Pass   |

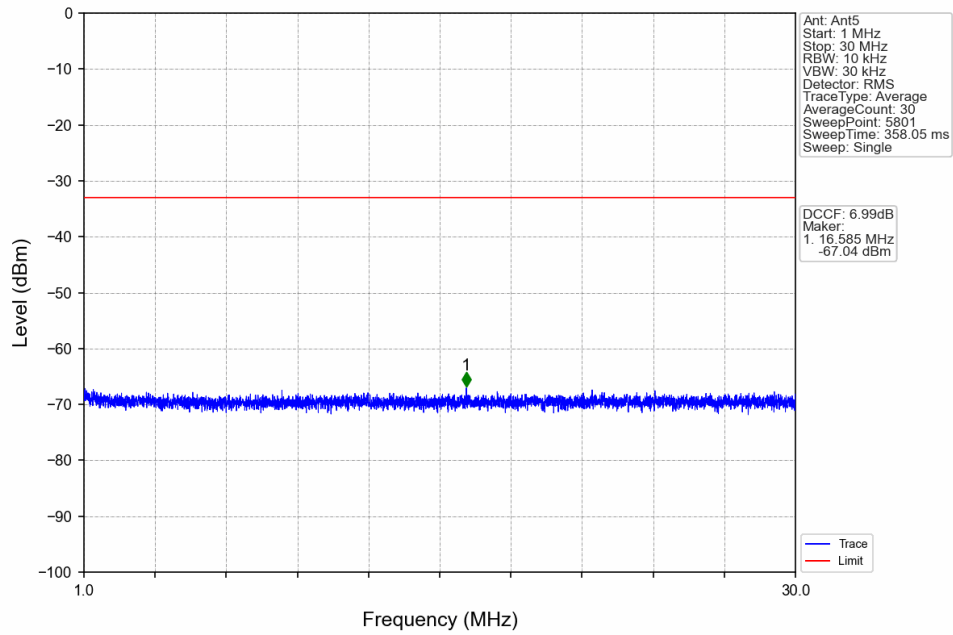
n77a 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 3750MHz Inner 1RB Left



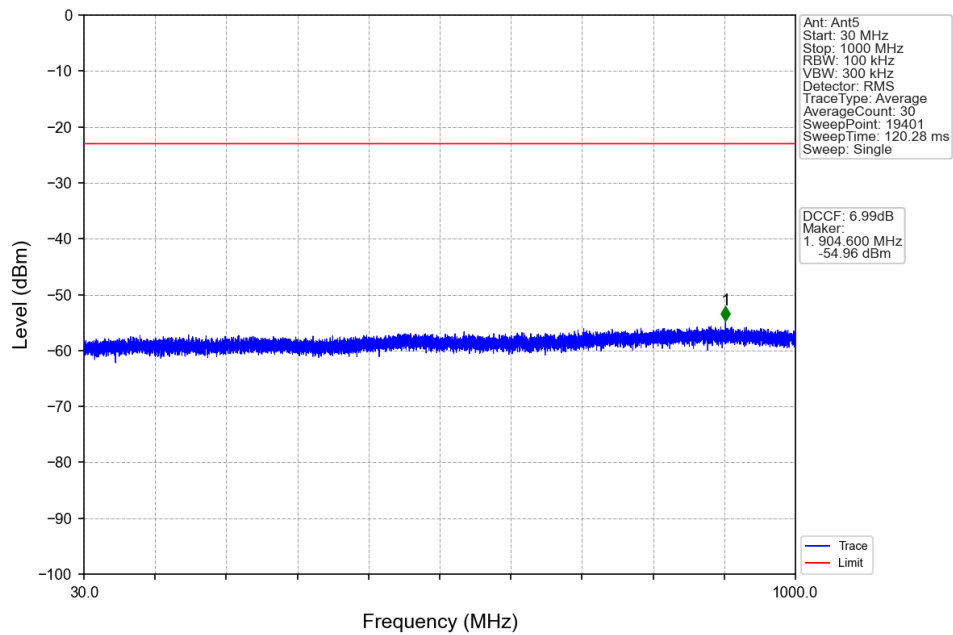
n77a 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 3840MHz Edge 1RB Left



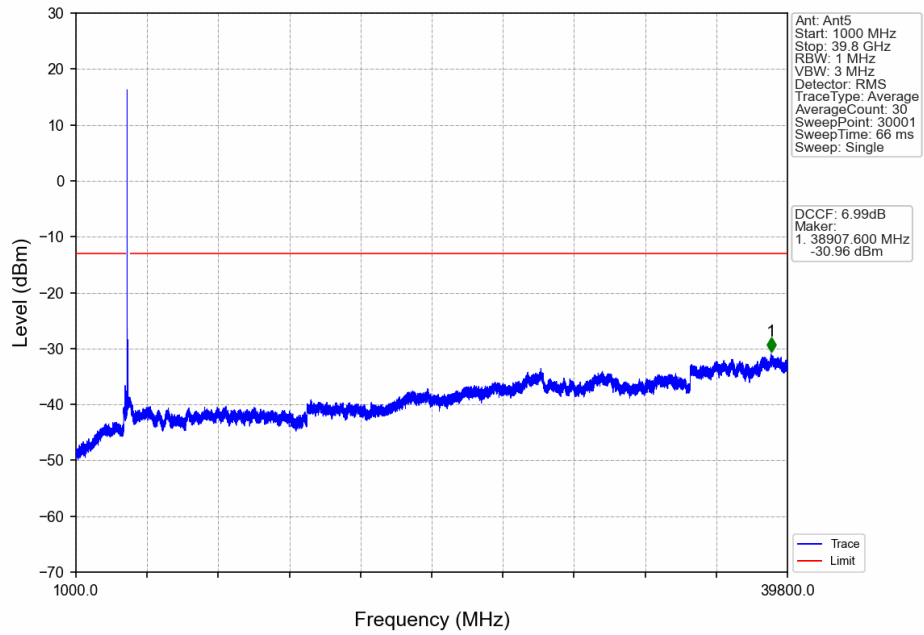
n77a 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 3840MHz Edge 1RB Left



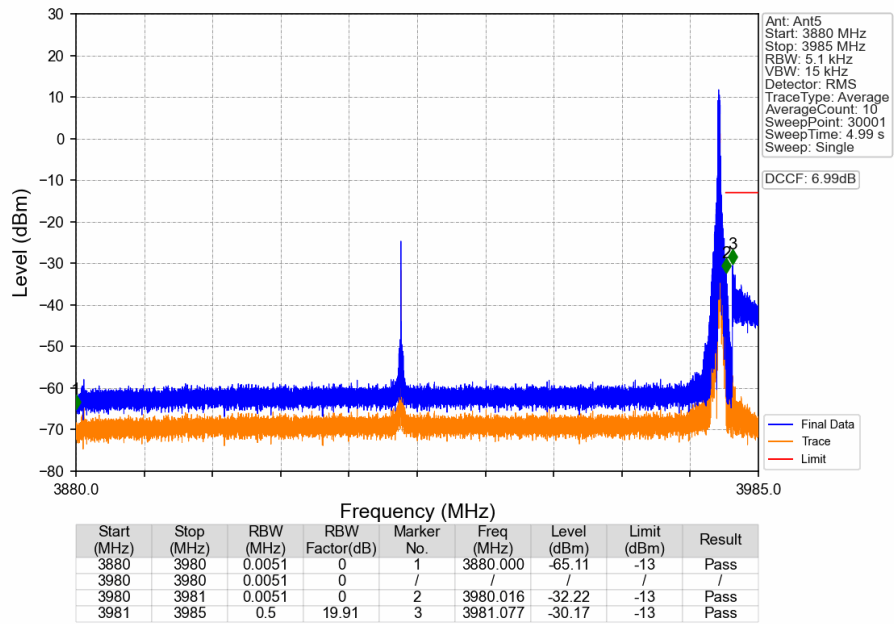
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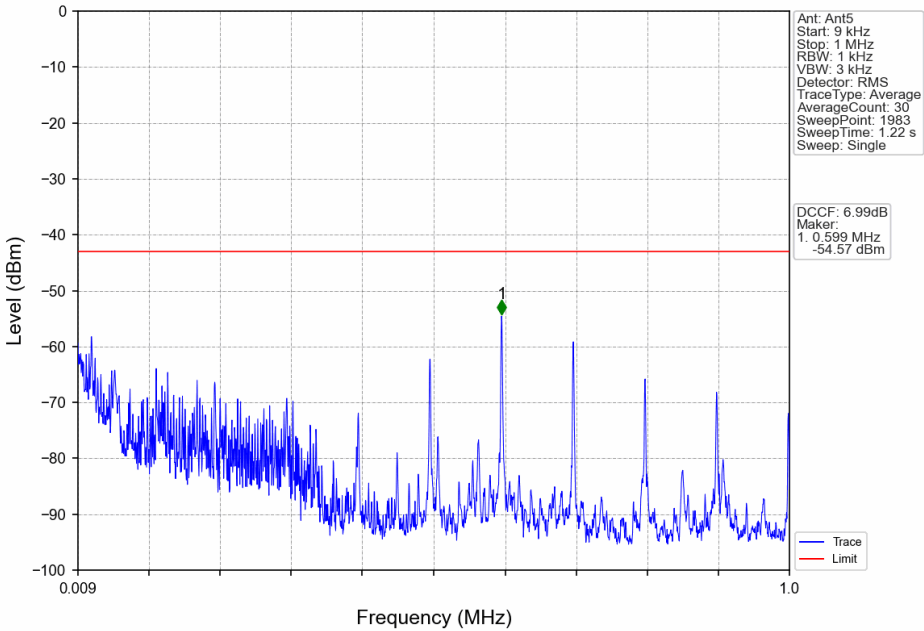
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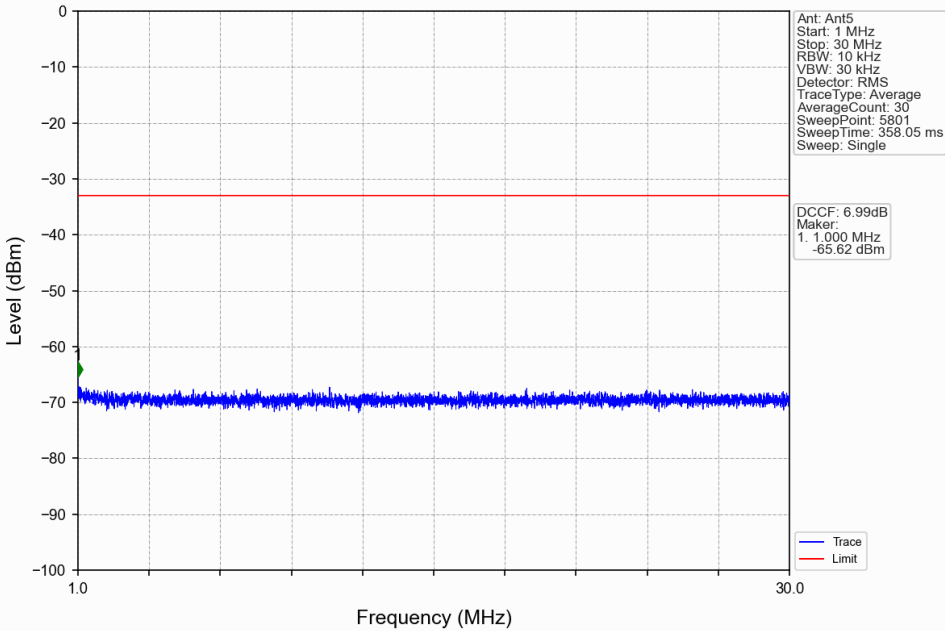
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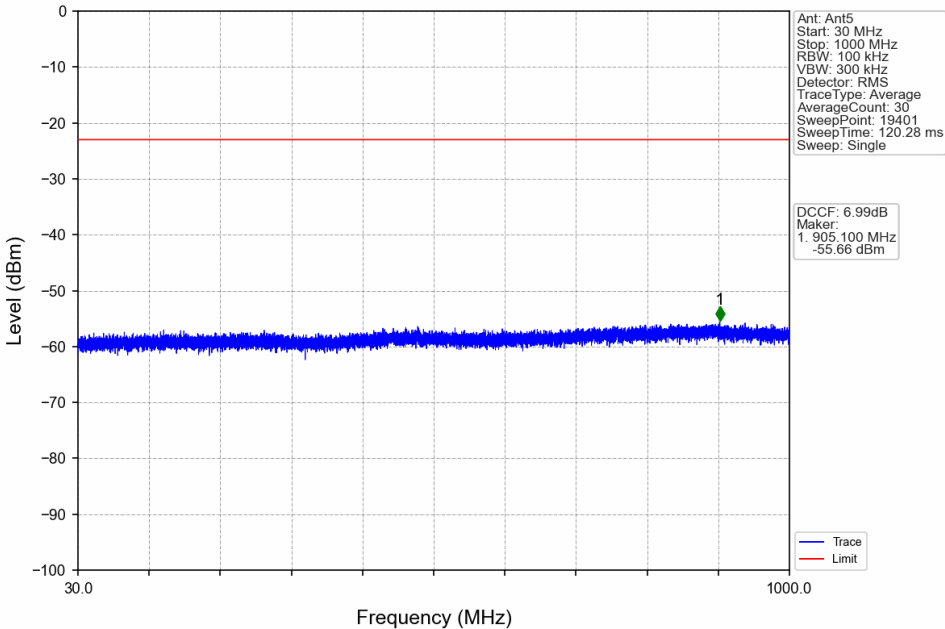
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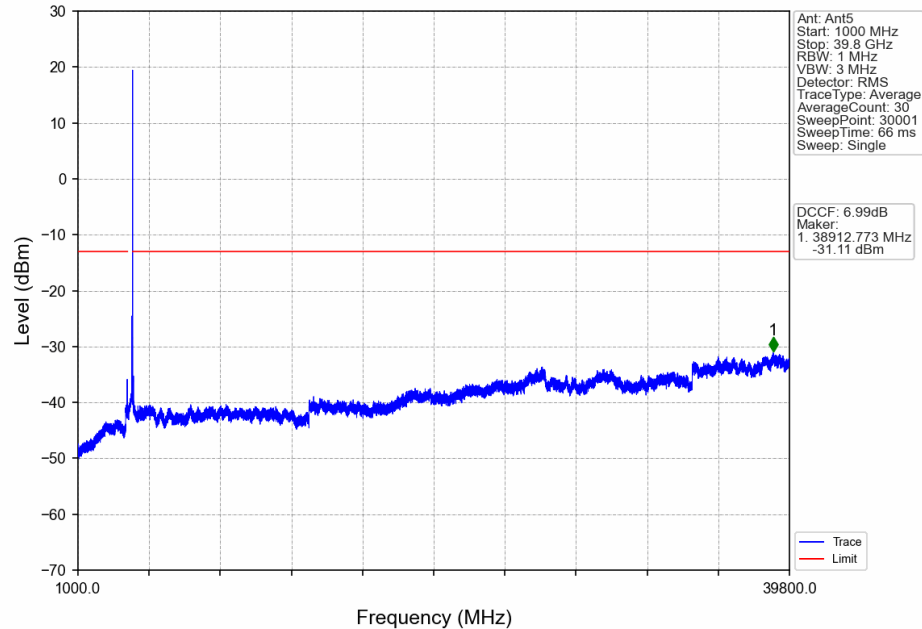
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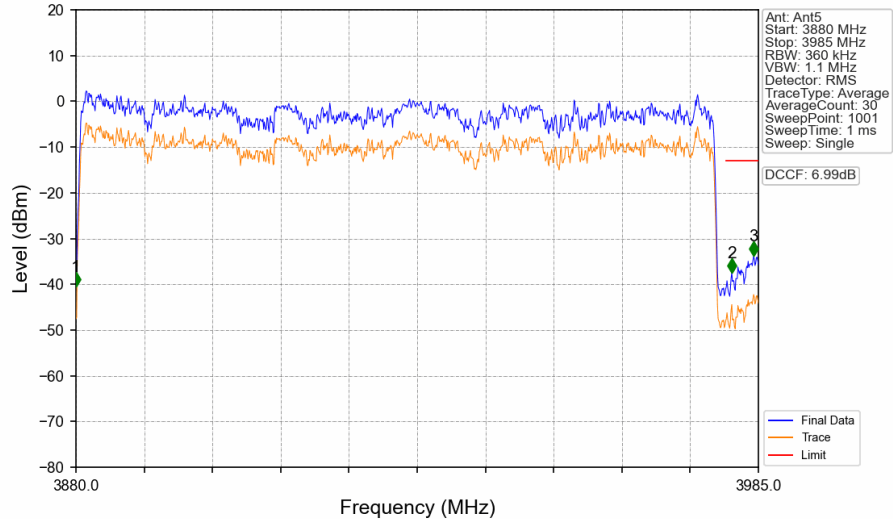
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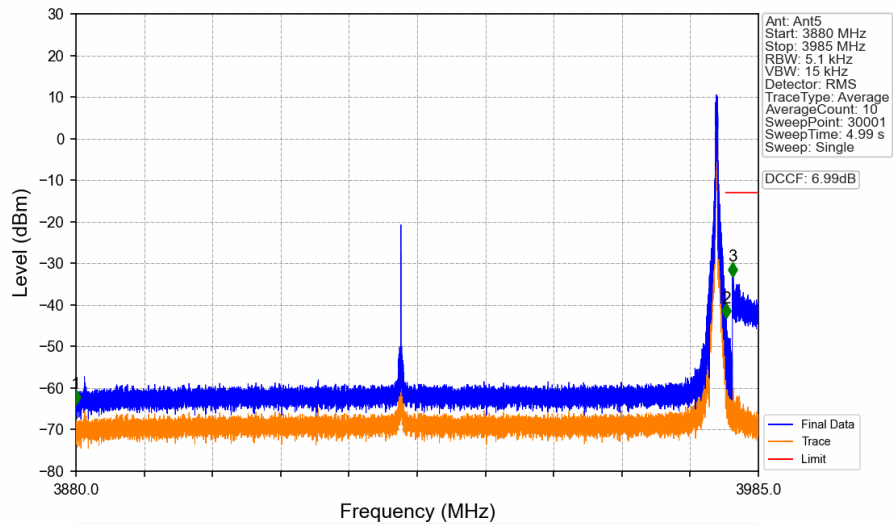
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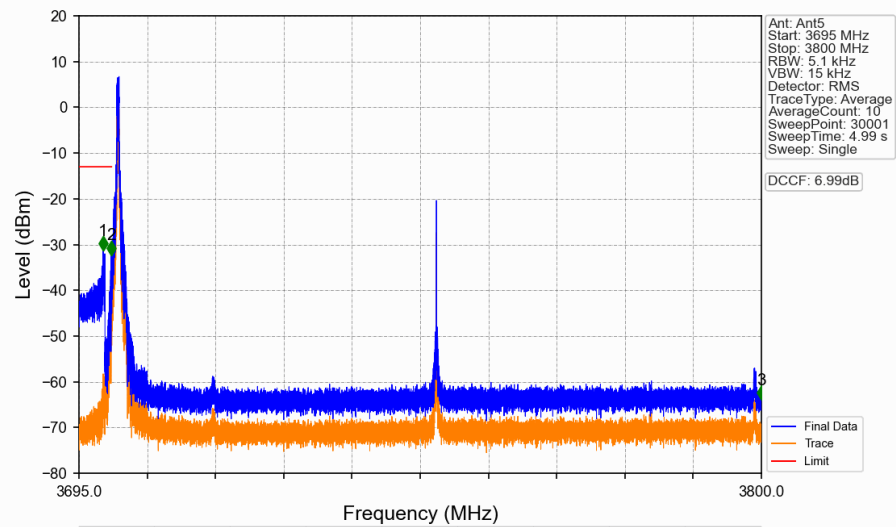
n77a 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 3930MHz Outer Full



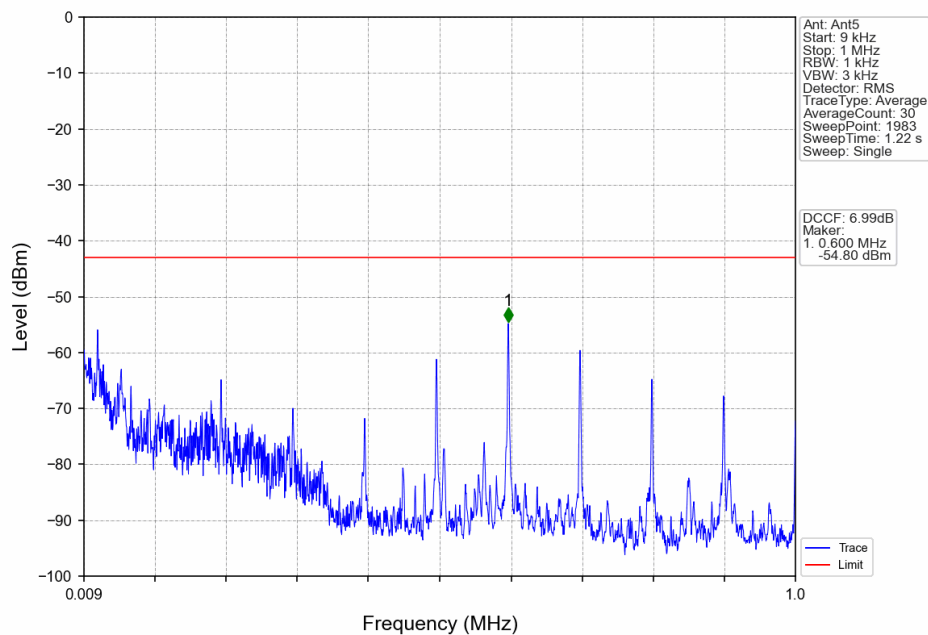
n77a 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 3930MHz Inner 1RB Right



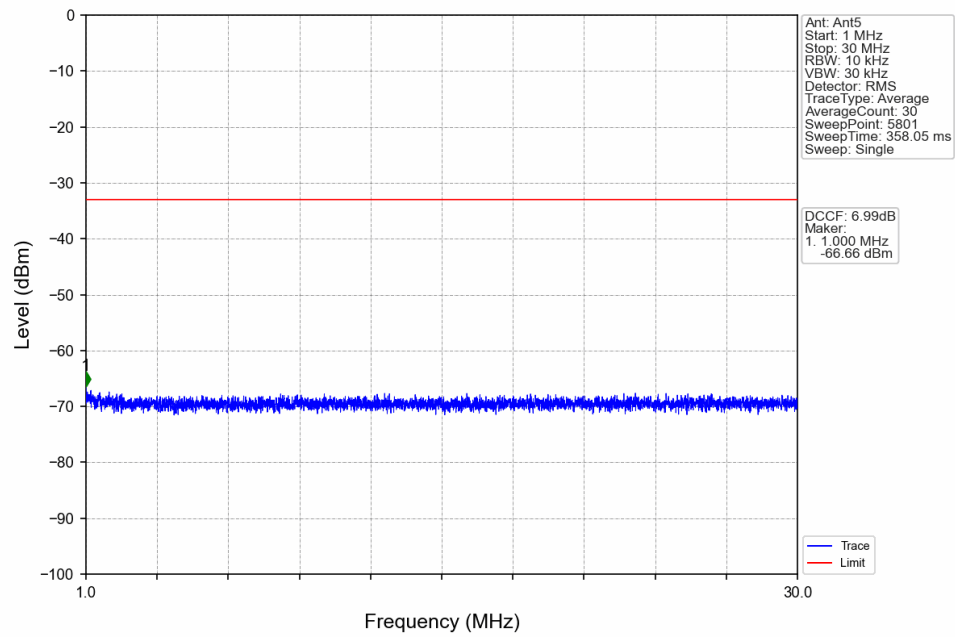
n77a 30kHz SISO NTN 100MHz CP-OFDM QPSK 3750MHz Edge 1RB Left



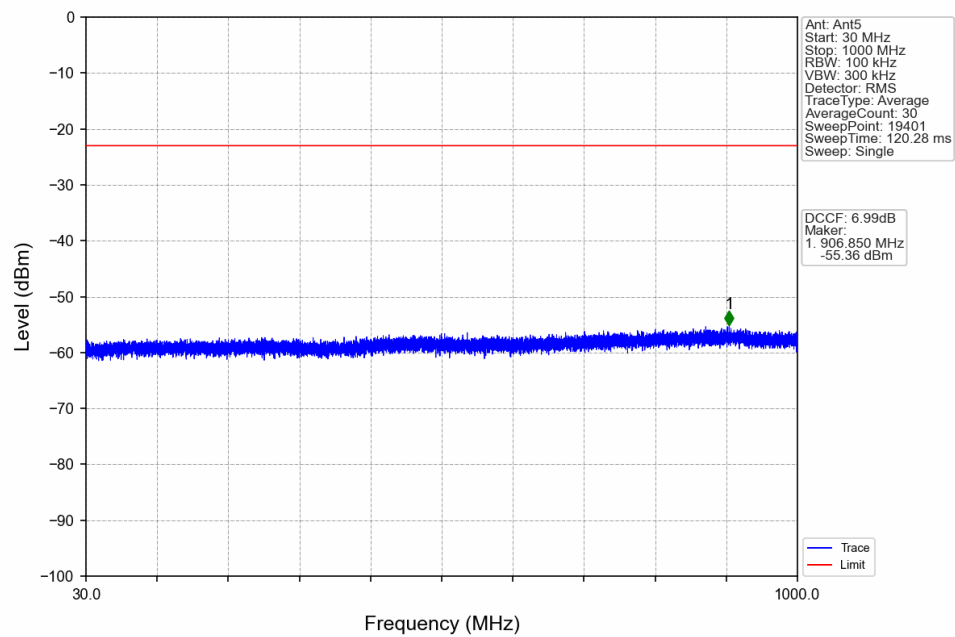
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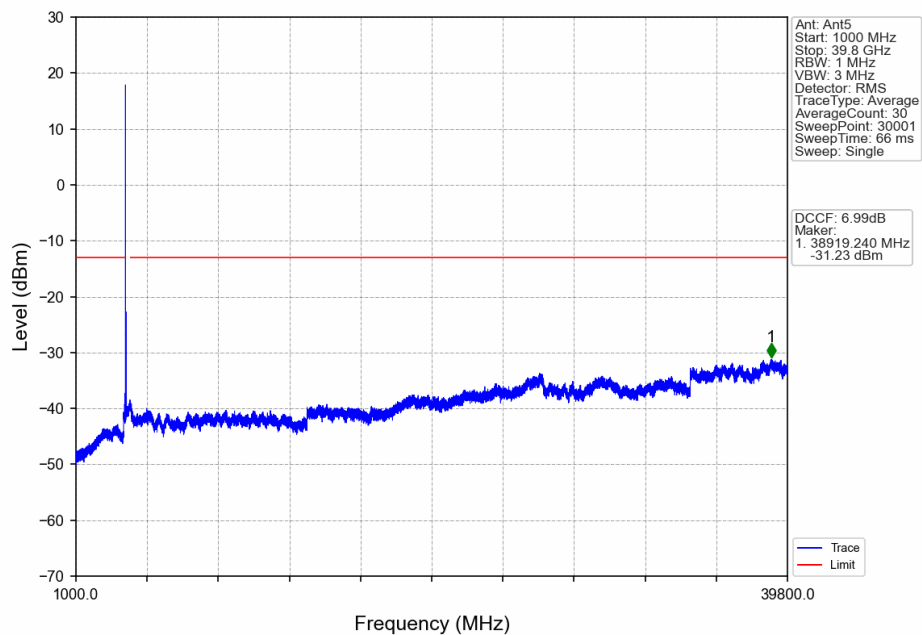
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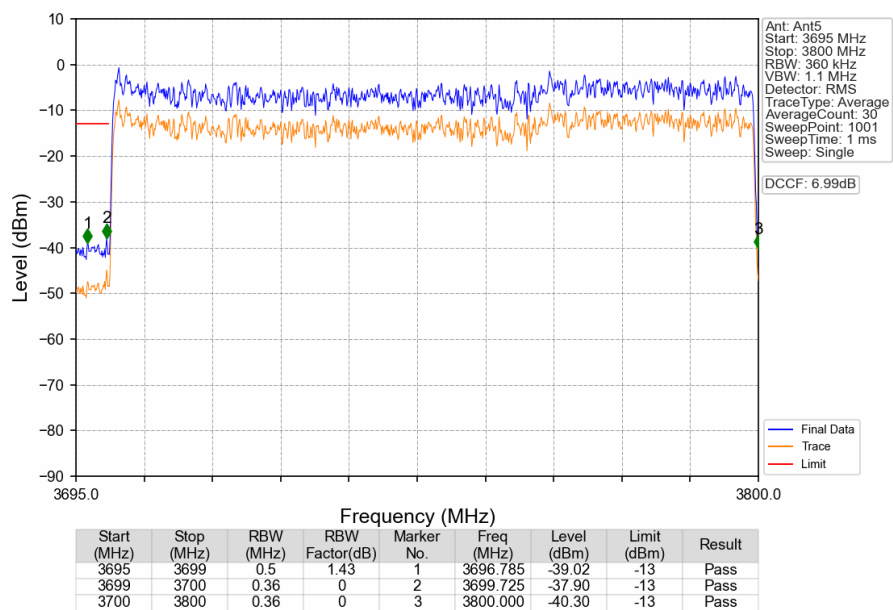
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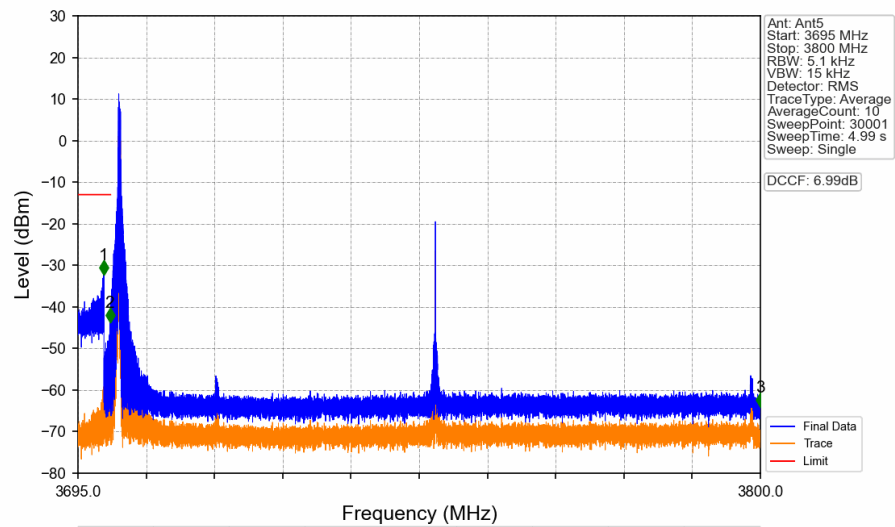
n77a 30kHz SISO NTN 100MHz CP-OFDM QPSK 3750MHz Edge 1RB Left



n77a 30kHz SISO NTN 100MHz CP-OFDM QPSK 3750MHz Outer Full



n77a 30kHz SISO NTN 100MHz CP-OFDM QPSK 3750MHz Inner 1RB Left



| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3695        | 3699       | 0.5       | 19.91          | 1          | 3698.965   | -32.30      | -13         | Pass   |
| 3699        | 3700       | 0.0051    | 0              | 2          | 3699.910   | -43.72      | -13         | Pass   |
| 3700        | 3800       | 0.0051    | 0              | 3          | 3800.000   | -64.03      | -13         | Pass   |

n77a 30kHz SISO NTN 100MHz CP-OFDM QPSK 3840MHz Edge 1RB Left

