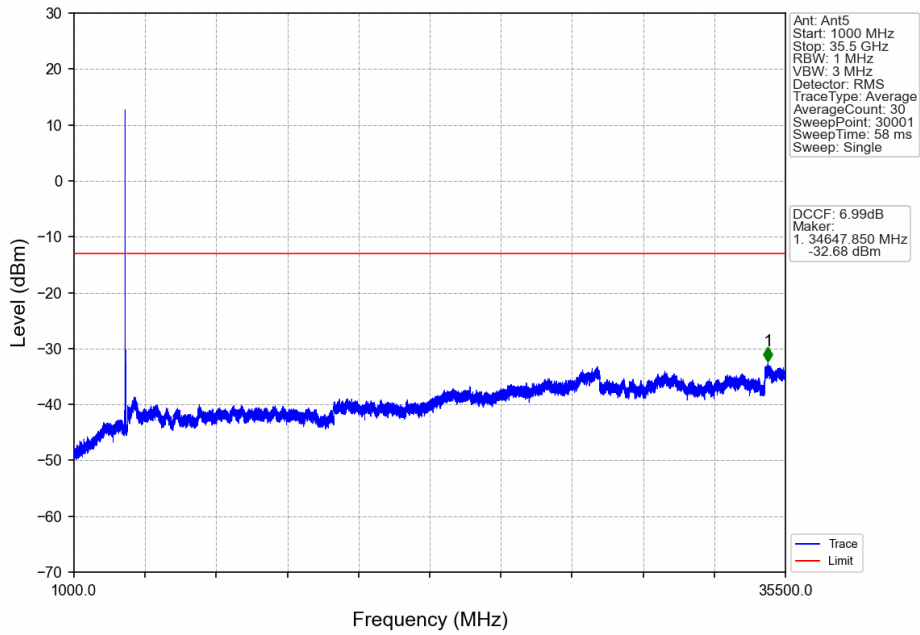
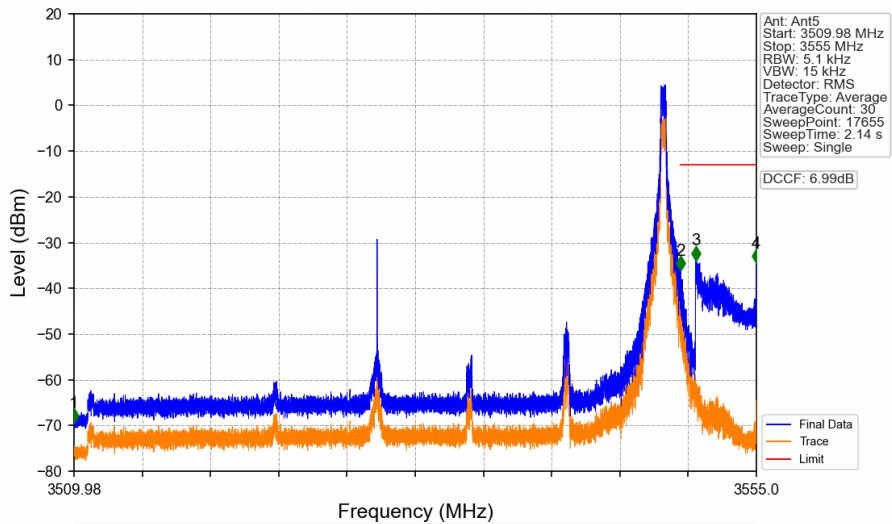


n78e\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3500.01MHz\_Edge\_1RB\_Left

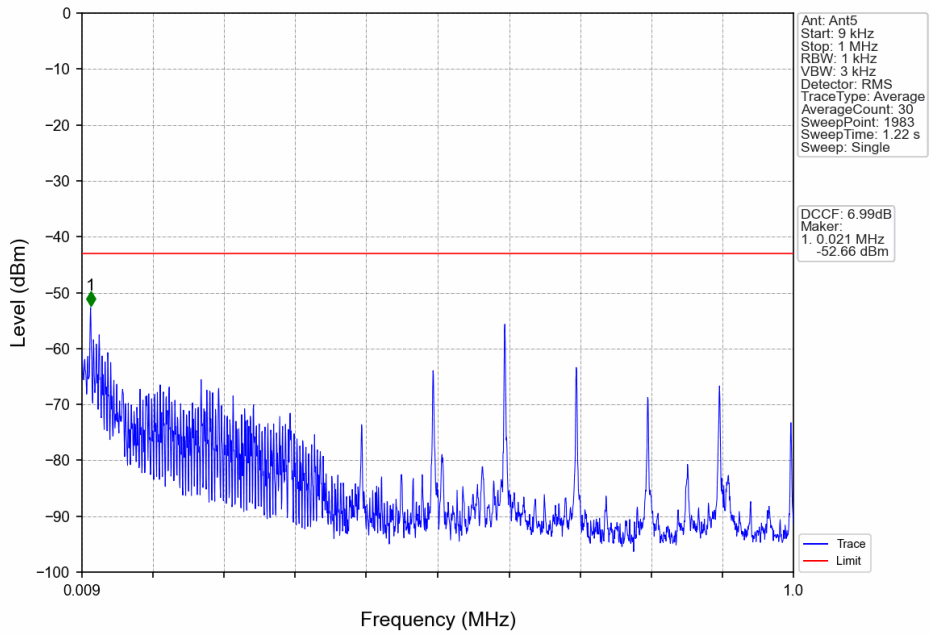


n78e\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3529.98MHz\_Edge\_1RB\_Right

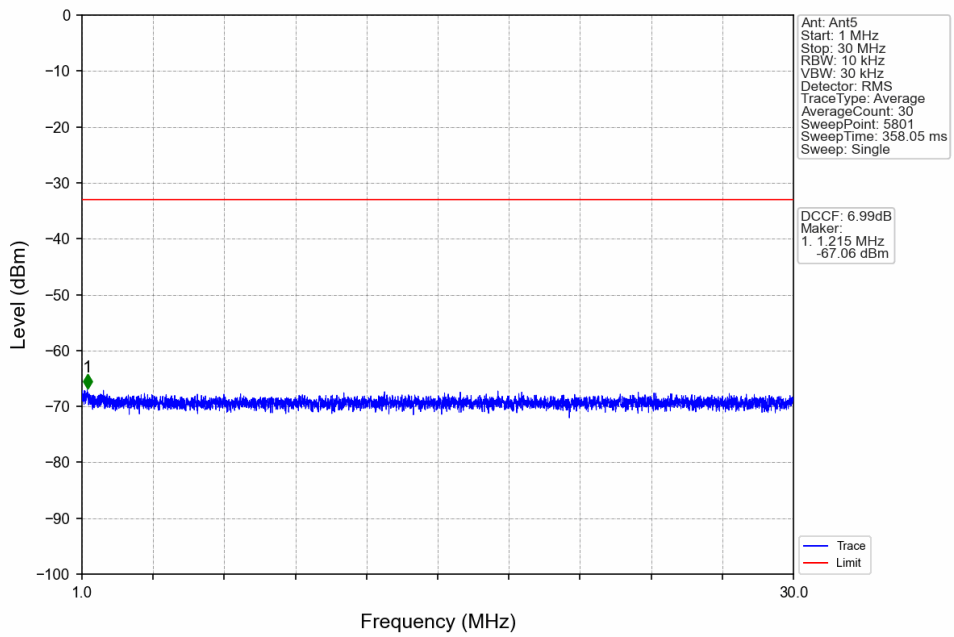


| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3509.98     | 3549.98    | 0.0051    | 0              | 1          | 3509.980   | -69.50      | -13         | Pass   |
| 3549.98     | 3549.98    | 0.0051    | 0              | /          | /          | /           | /           | /      |
| 3549.98     | 3550.98    | 0.0051    | 0              | 2          | 3549.999   | -36.12      | -13         | Pass   |
| 3550.98     | 3554.98    | 0.5       | 19.91          | 3          | 3550.991   | -33.90      | -13         | Pass   |
| 3554.98     | 3555       | 1         | 22.92          | 4          | 3554.990   | -34.54      | -13         | Pass   |

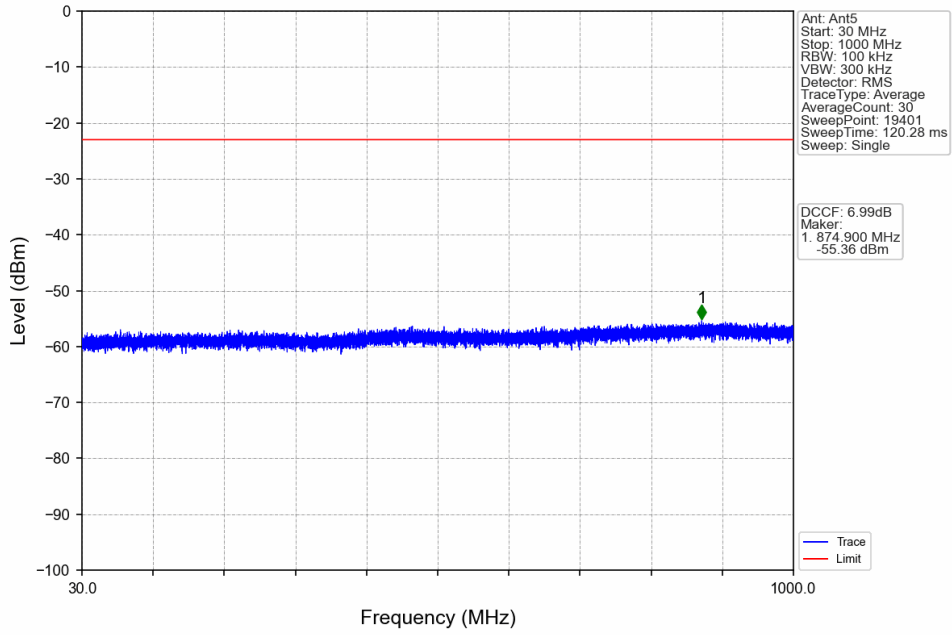
n78e\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM\_QPSK\_3529.98MHz\_Edge\_1RB\_Right



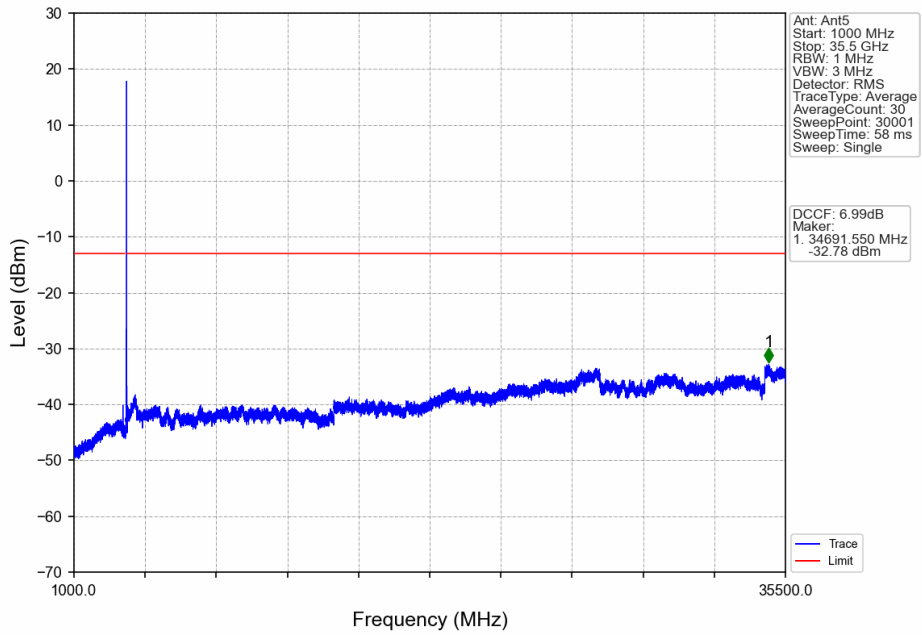
n78e\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM\_QPSK\_3529.98MHz\_Edge\_1RB\_Right



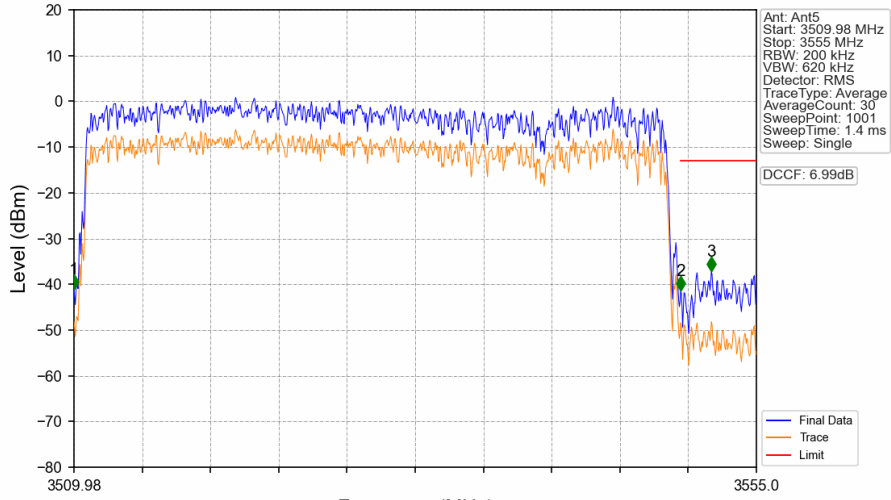
n78e\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM\_QPSK\_3529.98MHz\_Edge\_1RB\_Right



n78e\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM\_QPSK\_3529.98MHz\_Edge\_1RB\_Right

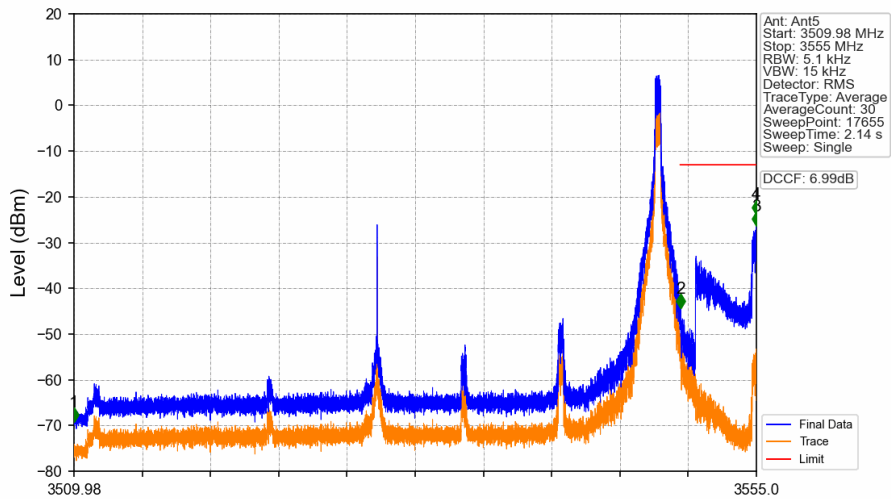


n78e\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3529.98MHz\_Outer\_Full



| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3509.98     | 3549.98    | 0.2       | 0              | 1          | 3509.980   | -41.09      | -13         | Pass   |
| 3549.98     | 3549.98    | 0.2       | 0              | /          | /          | /           | /           | /      |
| 3549.98     | 3550.98    | 0.2       | 0              | 2          | 3550.003   | -41.45      | -13         | Pass   |
| 3550.98     | 3554.98    | 0.5       | 3.98           | 3          | 3552.029   | -37.18      | -13         | Pass   |

n78e\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3529.98MHz\_Inner\_1RB\_Right



| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3509.98     | 3549.98    | 0.0051    | 0              | 1          | 3509.980   | -69.28      | -13         | Pass   |
| 3549.98     | 3549.98    | 0.0051    | 0              | /          | /          | /           | /           | /      |
| 3549.98     | 3550.98    | 0.0051    | 0              | 2          | 3550.002   | -44.36      | -13         | Pass   |
| 3550.98     | 3554.98    | 0.5       | 19.91          | 3          | 3554.980   | -26.42      | -13         | Pass   |
| 3554.98     | 3555       | 1         | 22.92          | 4          | 3554.982   | -23.85      | -13         | Pass   |

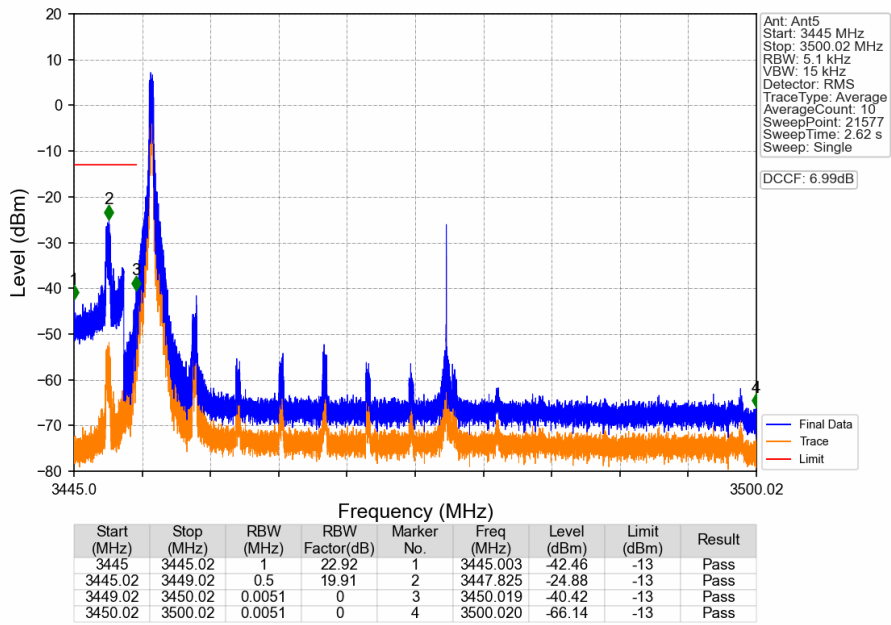
## 1.4 30k\_SISO\_50MHz\_NTNV

### 1.4.1 Test Result

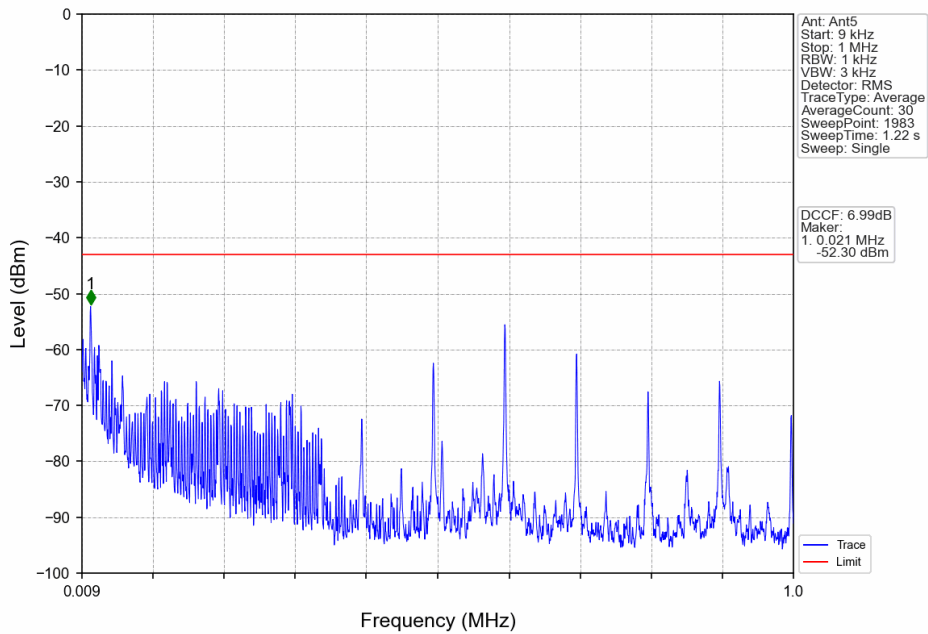
| 5G NR n78e SCS=30kHz SISO 50MHz NTN |                     |                 |                     |                     |     |         |       |
|-------------------------------------|---------------------|-----------------|---------------------|---------------------|-----|---------|-------|
| Modulation                          | Frequency (MHz)     | RB Allocation   | Spurious Emission   |                     |     | Verdict |       |
|                                     |                     |                 | Ant5                | Ant2                | Sum |         | Limit |
| DFT-s-OFDM QPSK                     | 3475.02             | Edge_1RB_Left   | Refer To Test Graph |                     |     | Pass    |       |
|                                     |                     | Outer_Full      | Refer To Test Graph |                     |     | Pass    |       |
|                                     |                     | Inner_1RB_Left  | Refer To Test Graph |                     |     | Pass    |       |
|                                     | 3500.01             | Edge_1RB_Left   | Refer To Test Graph |                     |     | Pass    |       |
|                                     |                     | 3525            | Edge_1RB_Right      | Refer To Test Graph |     |         | Pass  |
|                                     |                     |                 | Outer_Full          | Refer To Test Graph |     |         | Pass  |
| CP-OFDM QPSK                        | 3475.02             | Inner_1RB_Right | Refer To Test Graph |                     |     | Pass    |       |
|                                     |                     | Edge_1RB_Left   | Refer To Test Graph |                     |     | Pass    |       |
|                                     |                     | Outer_Full      | Refer To Test Graph |                     |     | Pass    |       |
|                                     | 3500.01             | Inner_1RB_Left  | Refer To Test Graph |                     |     | Pass    |       |
|                                     |                     | Edge_1RB_Left   | Refer To Test Graph |                     |     | Pass    |       |
|                                     |                     | 3525            | 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

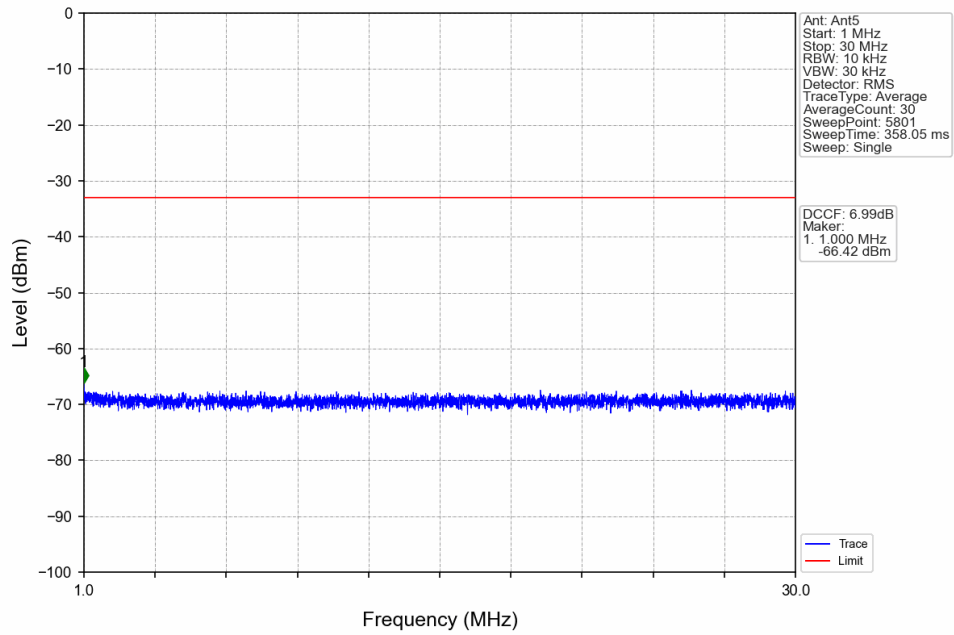
n78e\_30kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM QPSK\_3475.02MHz\_Edge\_1RB\_Left



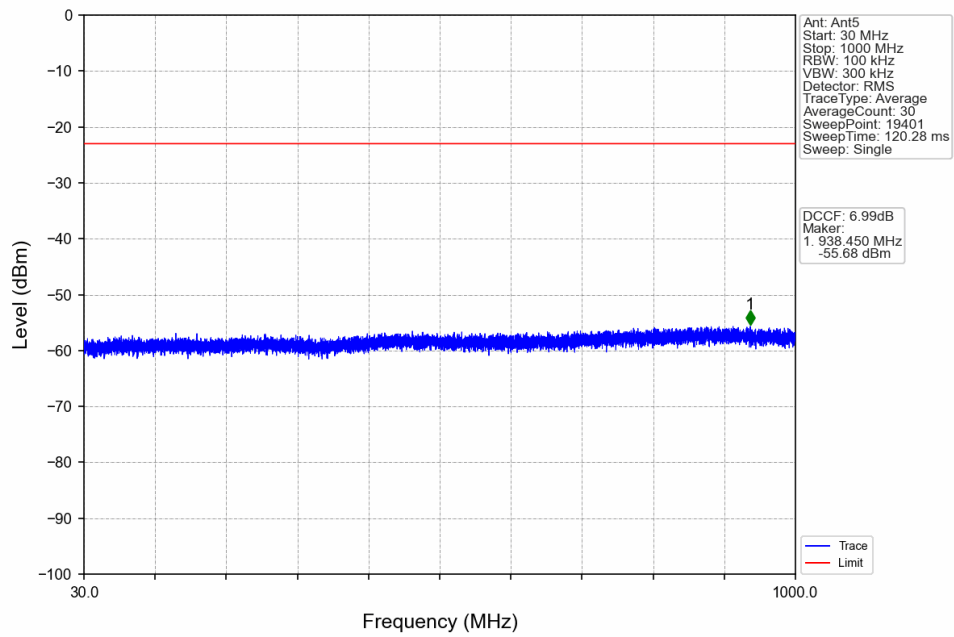
n78e\_30kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM QPSK\_3475.02MHz\_Edge\_1RB\_Left



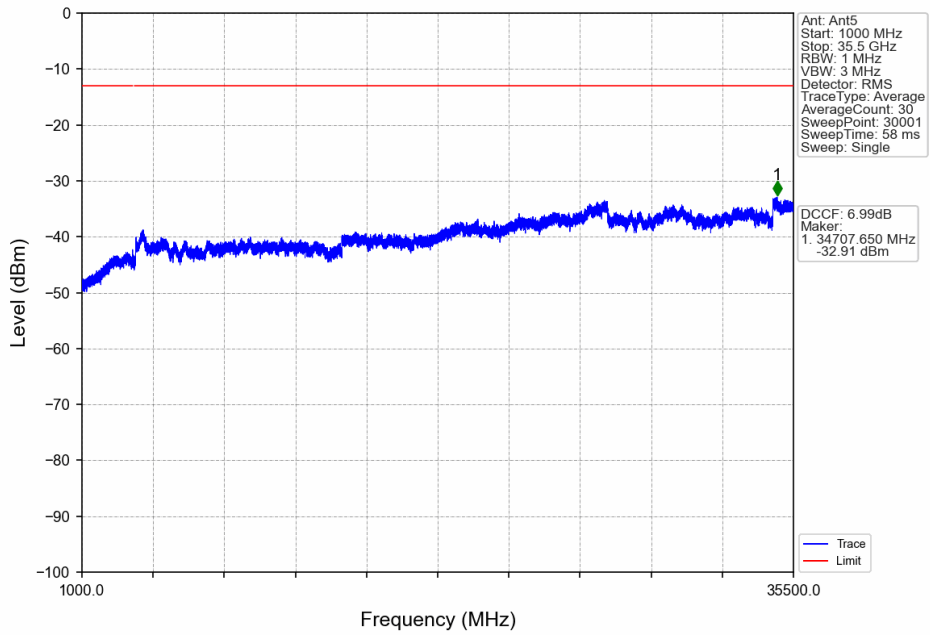
n78e\_30kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM\_QPSK\_3475.02MHz\_Edge\_1RB\_Left



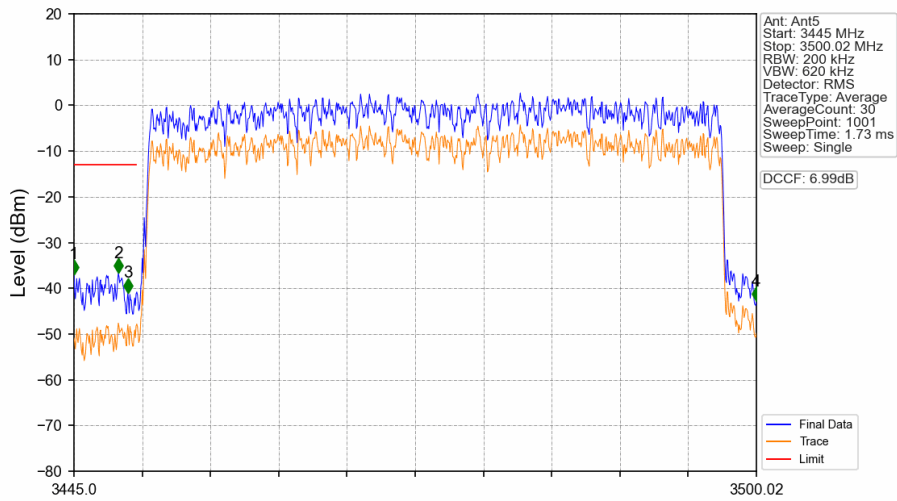
n78e\_30kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM\_QPSK\_3475.02MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM\_QPSK\_3475.02MHz\_Edge\_1RB\_Left



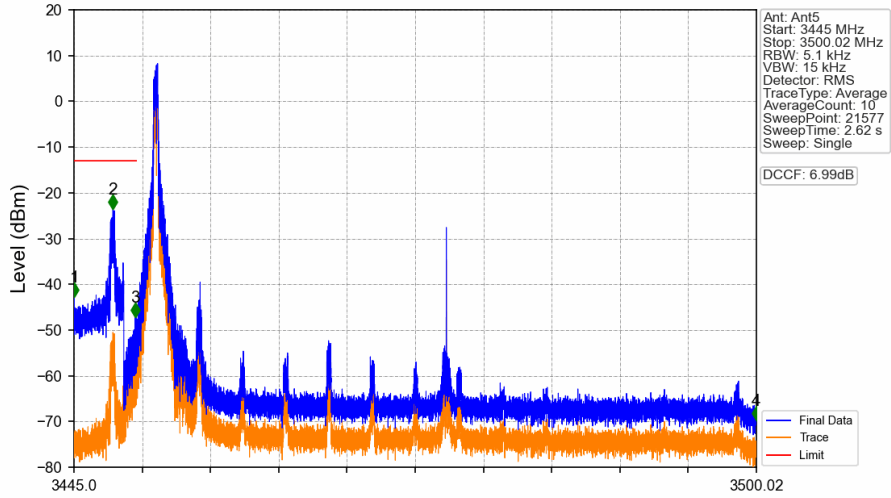
n78e\_30kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM\_QPSK\_3475.02MHz\_Outer\_Full



| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3445        | 3445.02    | 1         | 6.99           | 1          | 3445.000   | -36.91      | -13         | Pass   |
| 3445.02     | 3449.02    | 0.5       | 3.98           | 2          | 3448.576   | -36.62      | -13         | Pass   |
| 3449.02     | 3450.02    | 0.2       | 0              | 3          | 3449.347   | -40.94      | -13         | Pass   |
| 3450.02     | 3500.02    | 0.2       | 0              | 4          | 3500.020   | -42.83      | -13         | Pass   |

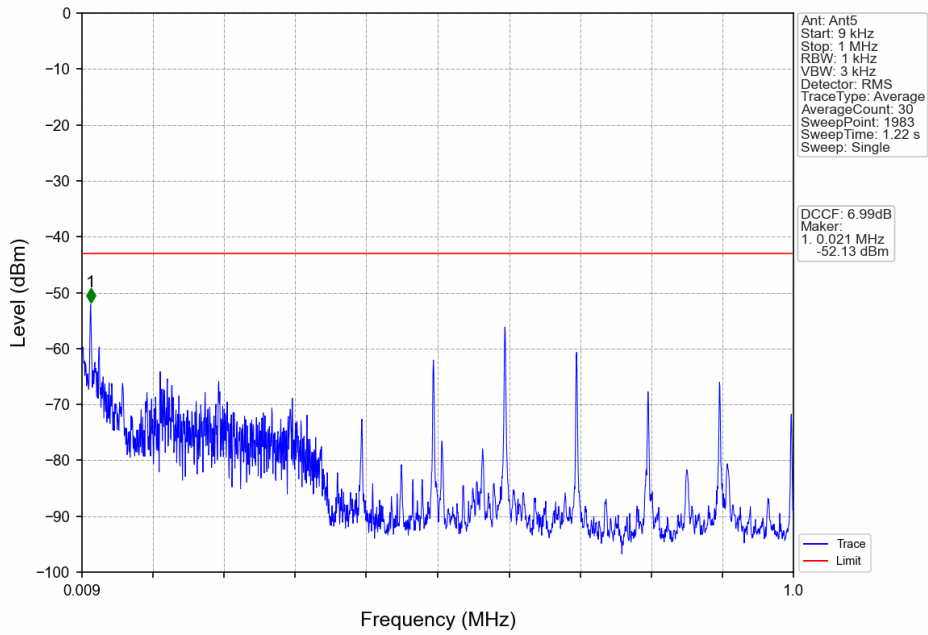


n78e\_30kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM\_QPSK\_3475.02MHz\_Inner\_1RB\_Left

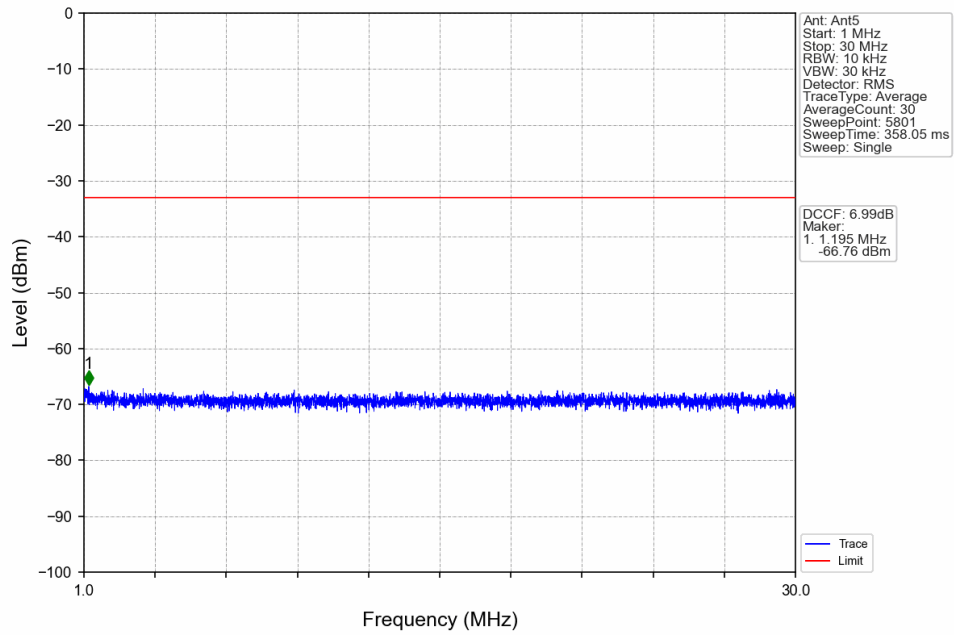


| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3445        | 3445.02    | 1         | 22.92          | 1          | 3445.005   | -42.76      | -13         | Pass   |
| 3445.02     | 3449.02    | 0.5       | 19.91          | 2          | 3448.139   | -23.59      | -13         | Pass   |
| 3449.02     | 3450.02    | 0.0051    | 0              | 3          | 3449.934   | -47.20      | -13         | Pass   |
| 3450.02     | 3500.02    | 0.0051    | 0              | 4          | 3500.020   | -69.74      | -13         | Pass   |

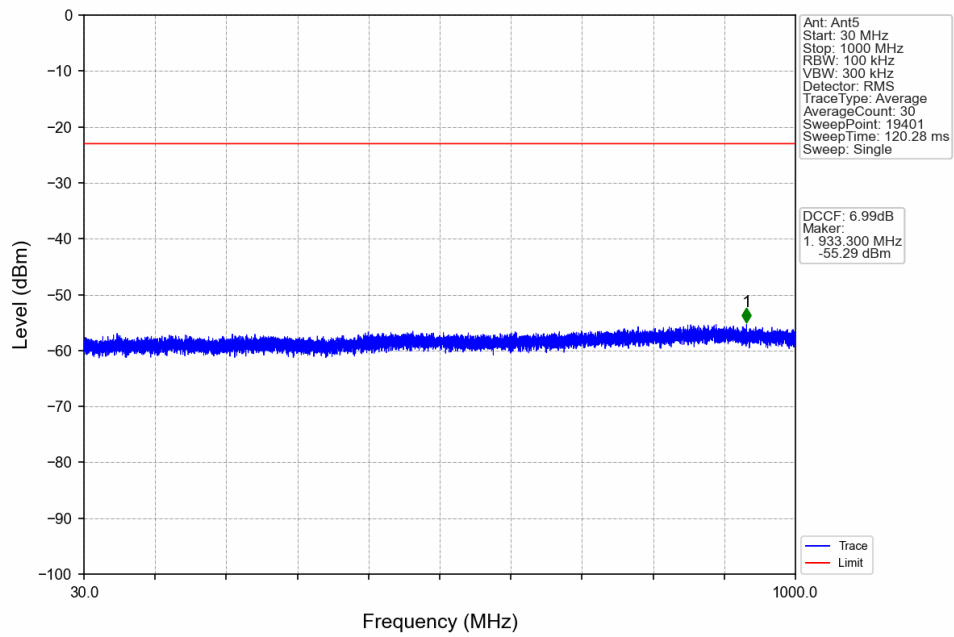
n78e\_30kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left



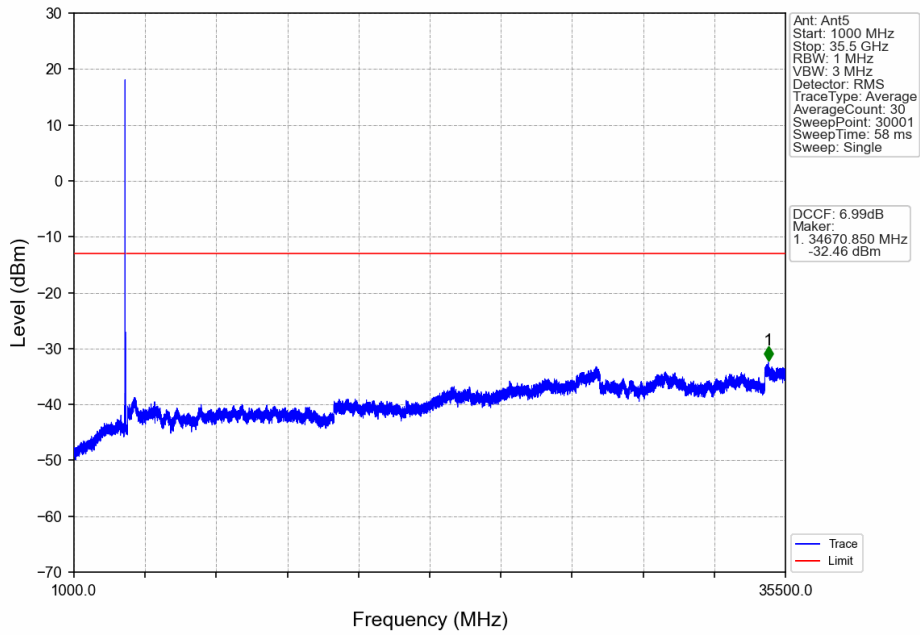
n78e\_30kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left



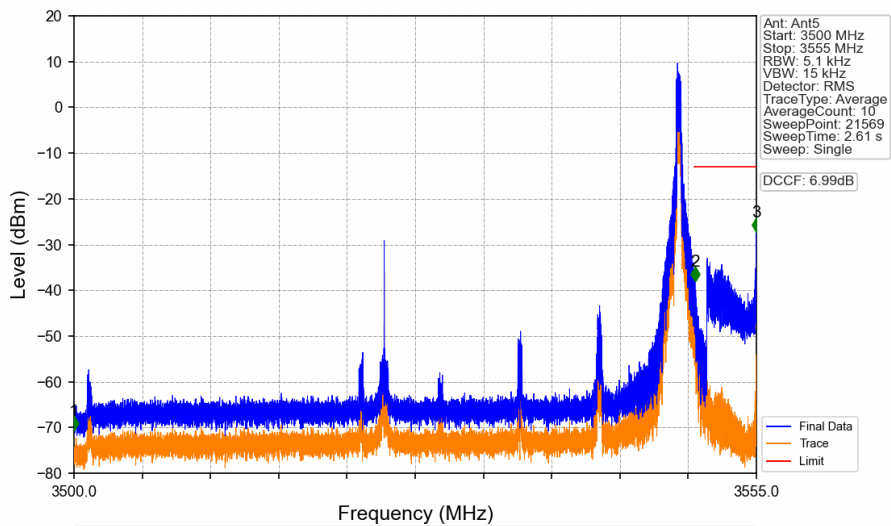
n78e\_30kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left

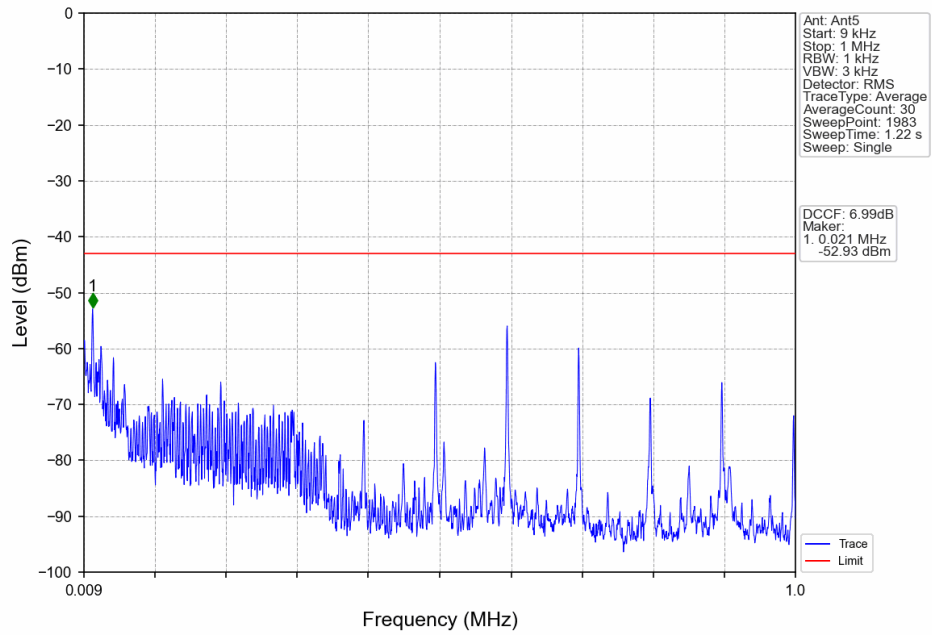


n78e\_30kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM\_QPSK\_3525MHz\_Edge\_1RB\_Right

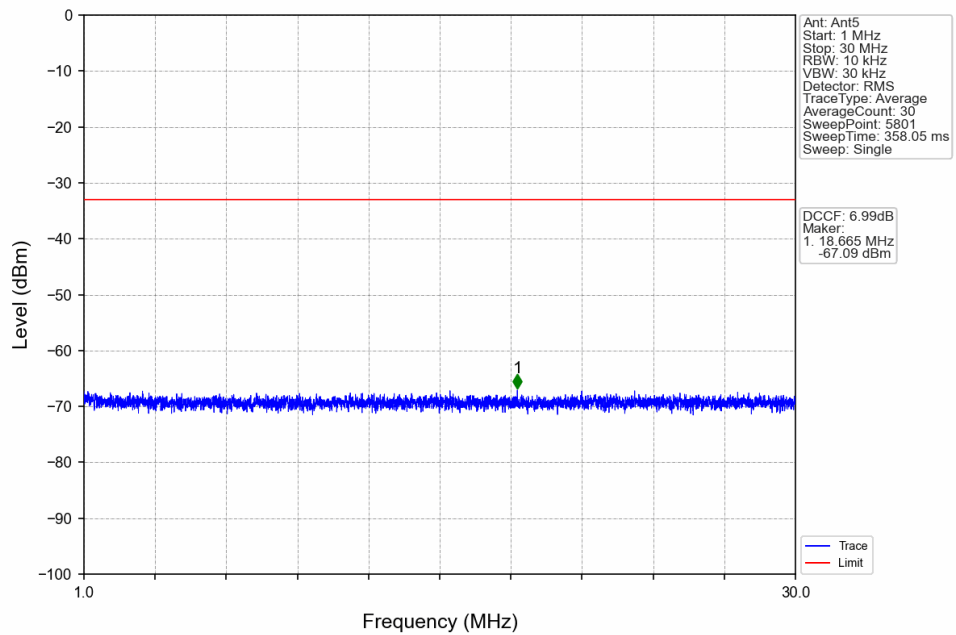


| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3500        | 3550       | 0.0051    | 0              | 1          | 3500.000   | -70.63      | -13         | Pass   |
| 3550        | 3550       | 0.0051    | 0              | /          | /          | /           | /           | /      |
| 3550        | 3551       | 0.0051    | 0              | 2          | 3550.050   | -37.98      | -13         | Pass   |
| 3551        | 3555       | 0.5       | 19.91          | 3          | 3554.977   | -27.28      | -13         | Pass   |

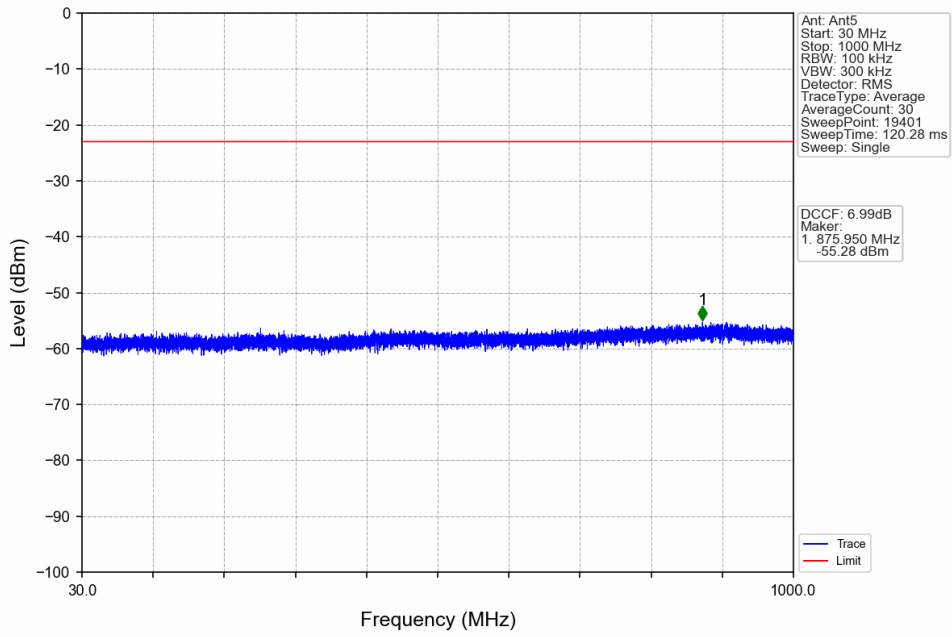
n78e\_30kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM\_QPSK\_3525MHz\_Edge\_1RB\_Right



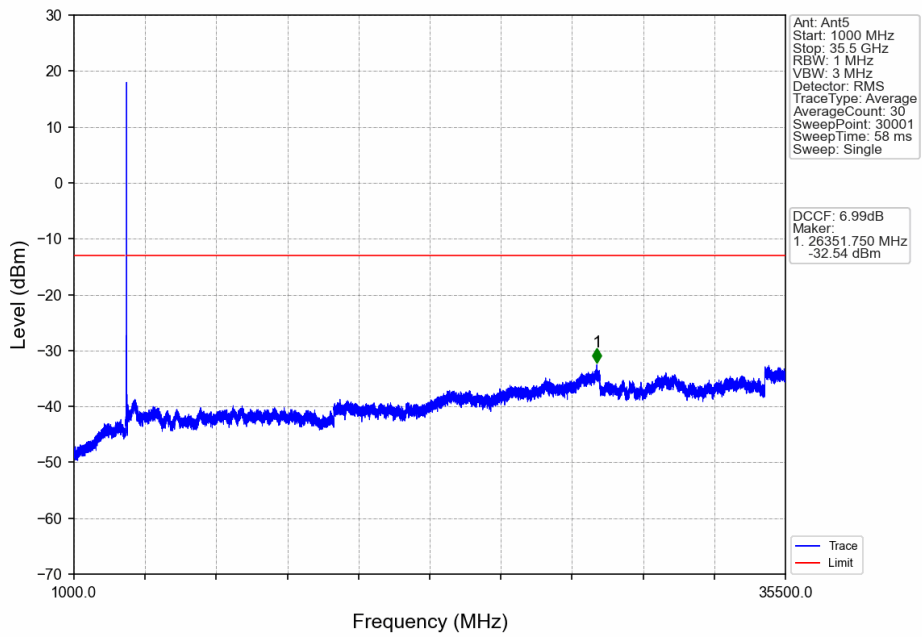
n78e\_30kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM\_QPSK\_3525MHz\_Edge\_1RB\_Right



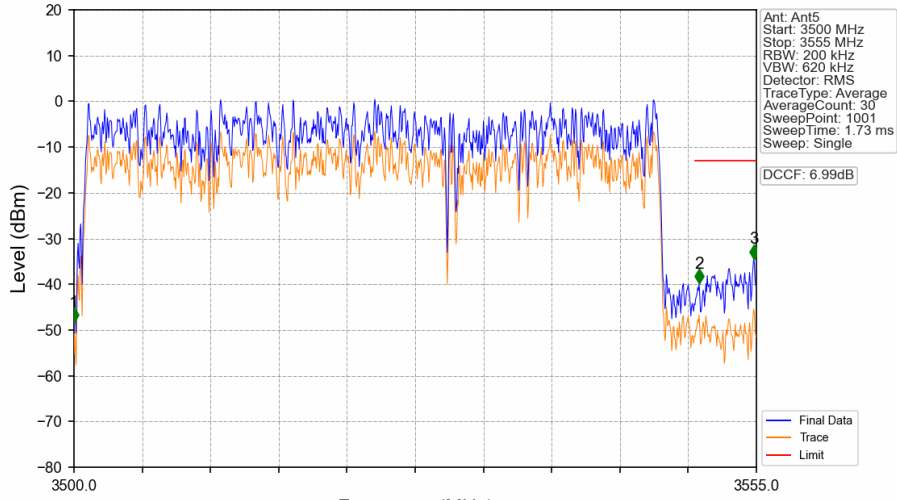
n78e\_30kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM\_QPSK\_3525MHz\_Edge\_1RB\_Right



n78e\_30kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM\_QPSK\_3525MHz\_Edge\_1RB\_Right

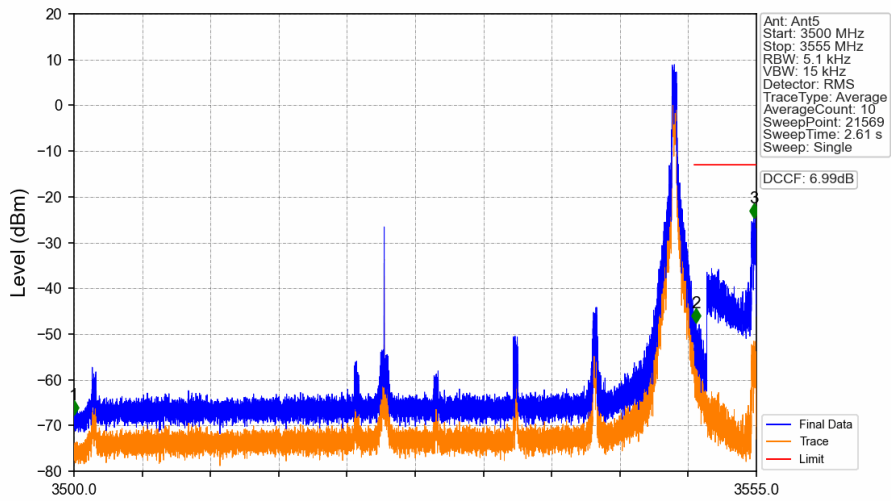


n78e\_30kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM\_QPSK\_3525MHz\_Outer\_Full



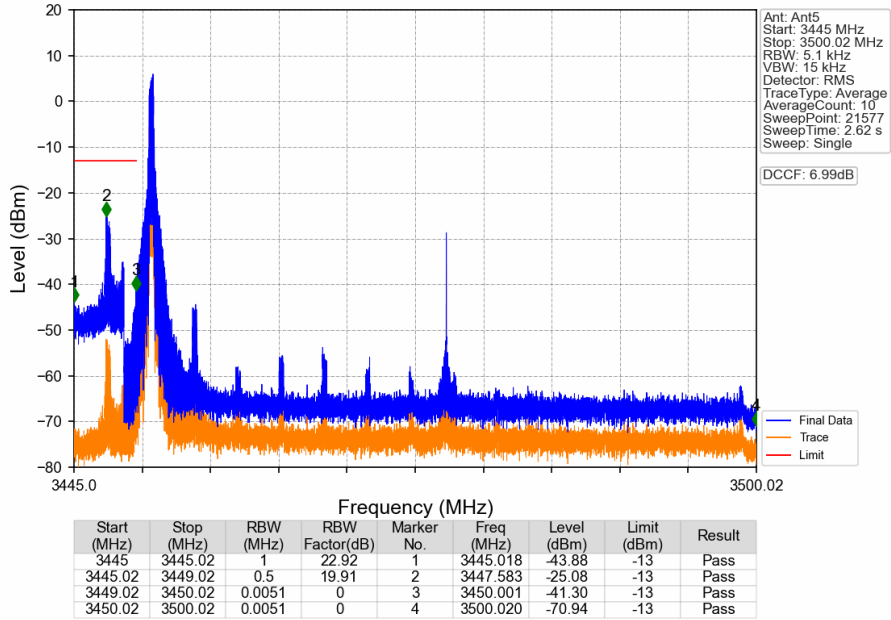
| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3500        | 3550       | 0.2       | 0              | 1          | 3500.000   | -48.22      | -13         | Pass   |
| 3550        | 3550       | 0.2       | 0              | /          | /          | /           | /           | /      |
| 3550        | 3551       | 0.2       | 0              | 2          | 3550.380   | -39.77      | -13         | Pass   |
| 3551        | 3555       | 0.5       | 3.98           | 3          | 3554.780   | -34.41      | -13         | Pass   |

n78e\_30kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM\_QPSK\_3525MHz\_Inner\_1RB\_Right

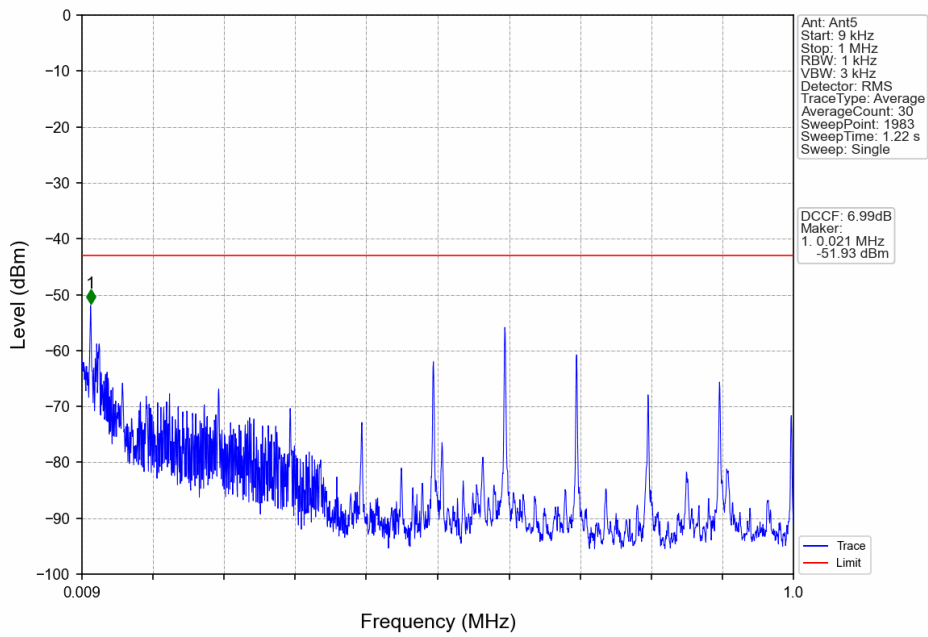


| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3500        | 3550       | 0.0051    | 0              | 1          | 3500.000   | -67.61      | -13         | Pass   |
| 3550        | 3550       | 0.0051    | 0              | /          | /          | /           | /           | /      |
| 3550        | 3551       | 0.0051    | 0              | 2          | 3550.104   | -47.59      | -13         | Pass   |
| 3551        | 3555       | 0.5       | 19.91          | 3          | 3554.793   | -24.65      | -13         | Pass   |

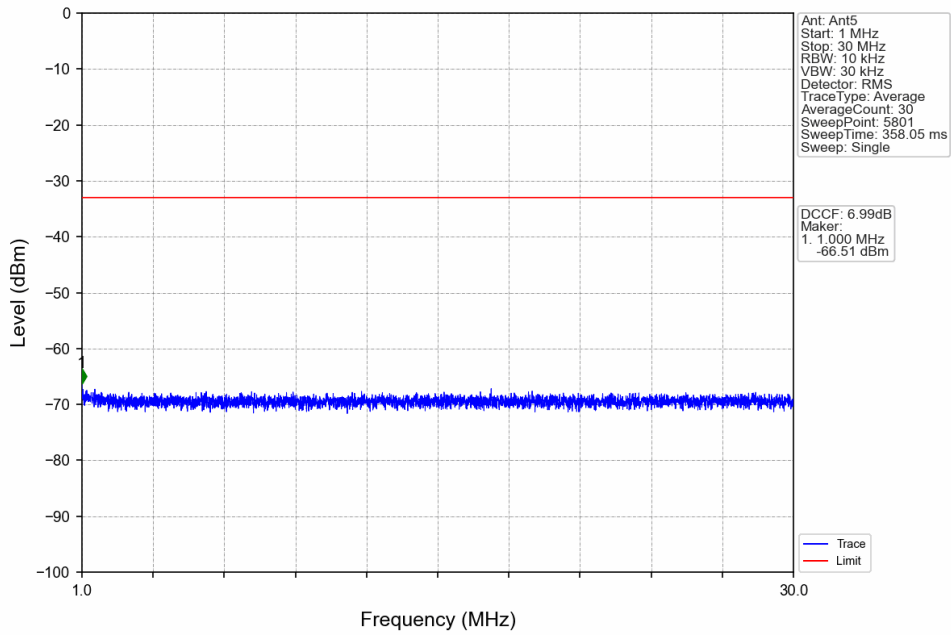
n78e\_30kHz\_SISO\_NTNV\_50MHz\_CP-OFDM\_QPSK\_3475.02MHz\_Edge\_1RB\_Left



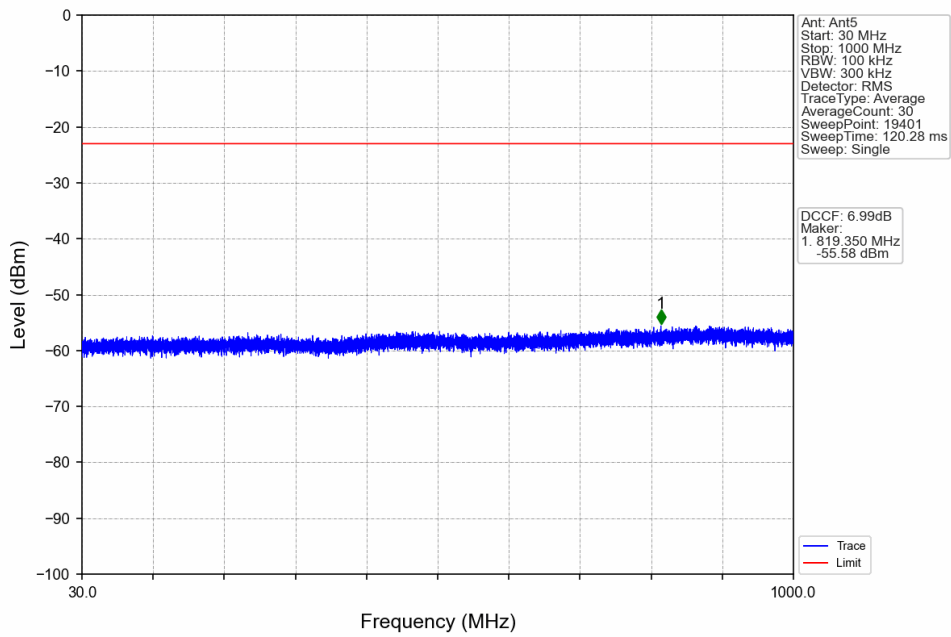
n78e\_30kHz\_SISO\_NTNV\_50MHz\_CP-OFDM\_QPSK\_3475.02MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_50MHz\_CP-OFDM\_QPSK\_3475.02MHz\_Edge\_1RB\_Left

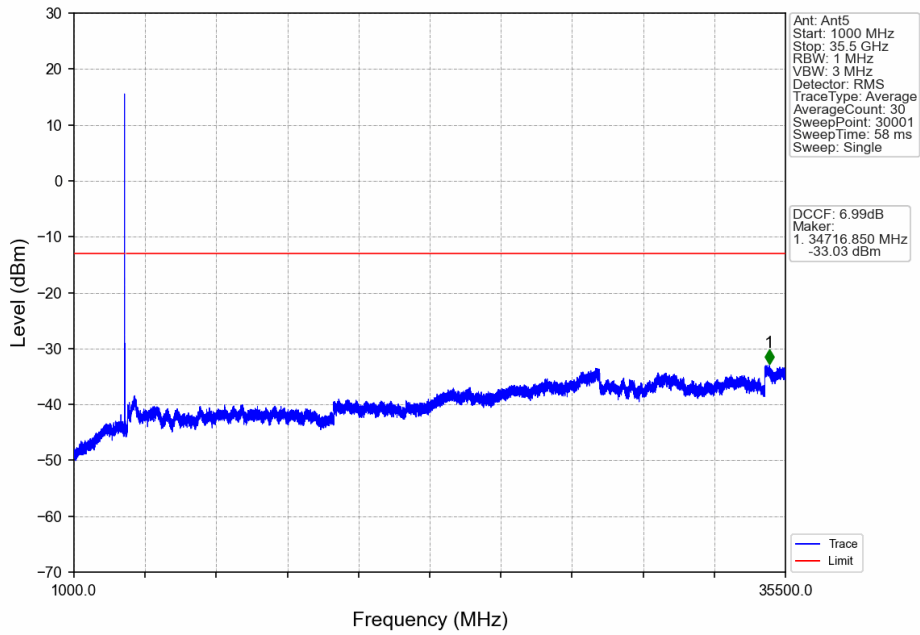


n78e\_30kHz\_SISO\_NTNV\_50MHz\_CP-OFDM\_QPSK\_3475.02MHz\_Edge\_1RB\_Left

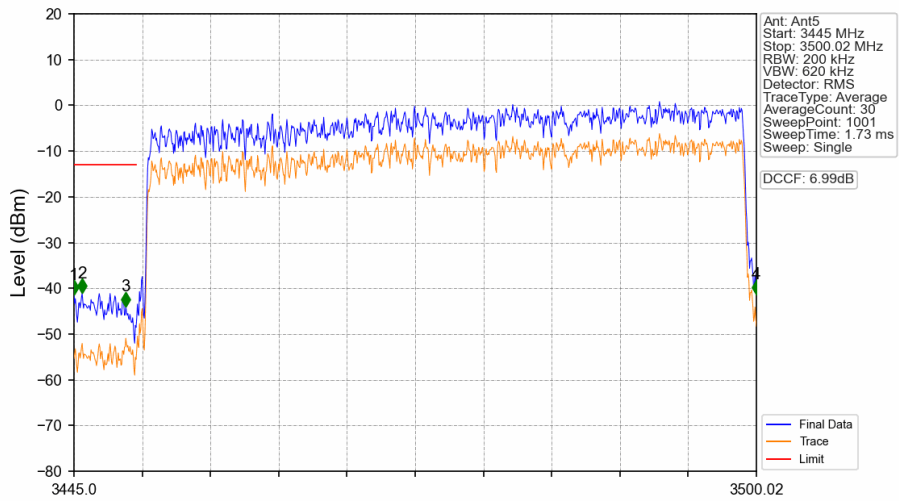




n78e\_30kHz\_SISO\_NTNV\_50MHz\_CP-OFDM\_QPSK\_3475.02MHz\_Edge\_1RB\_Left

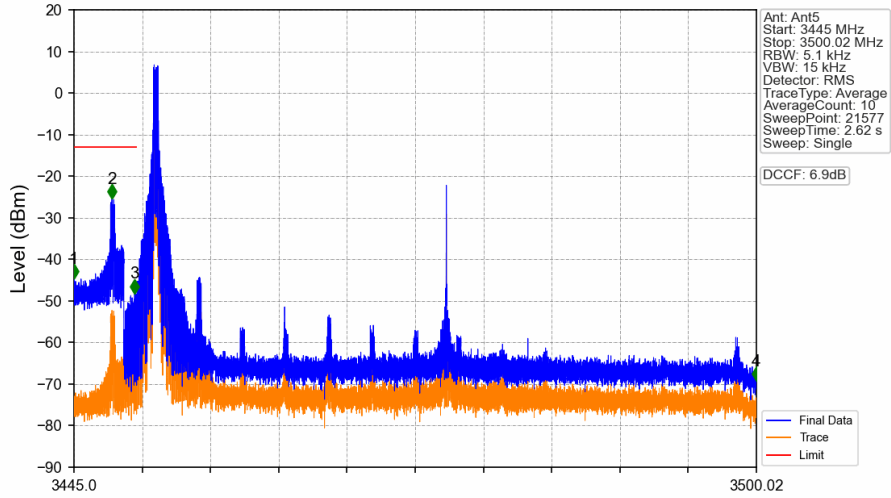


n78e\_30kHz\_SISO\_NTNV\_50MHz\_CP-OFDM\_QPSK\_3475.02MHz\_Outer\_Full



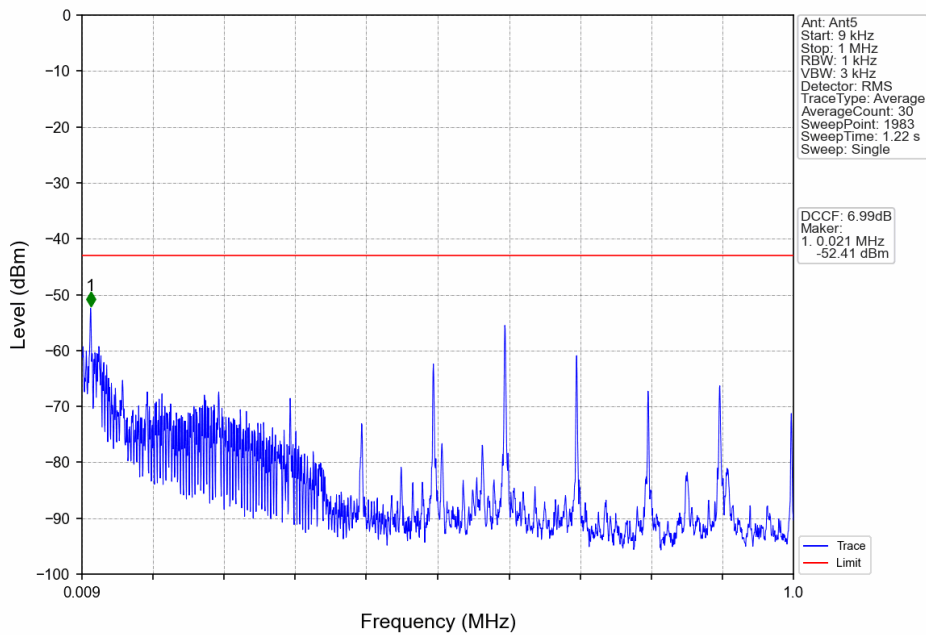
| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3445        | 3445.02    | 1         | 6.99           | 1          | 3445.000   | -41.42      | -13         | Pass   |
| 3445.02     | 3449.02    | 0.5       | 3.98           | 2          | 3445.660   | -41.09      | -13         | Pass   |
| 3449.02     | 3450.02    | 0.2       | 0              | 3          | 3449.182   | -43.93      | -13         | Pass   |
| 3450.02     | 3500.02    | 0.2       | 0              | 4          | 3500.020   | -41.32      | -13         | Pass   |

n78e\_30kHz\_SISO\_NTNV\_50MHz\_CP-OFDM\_QPSK\_3475.02MHz\_Inner\_1RB\_Left

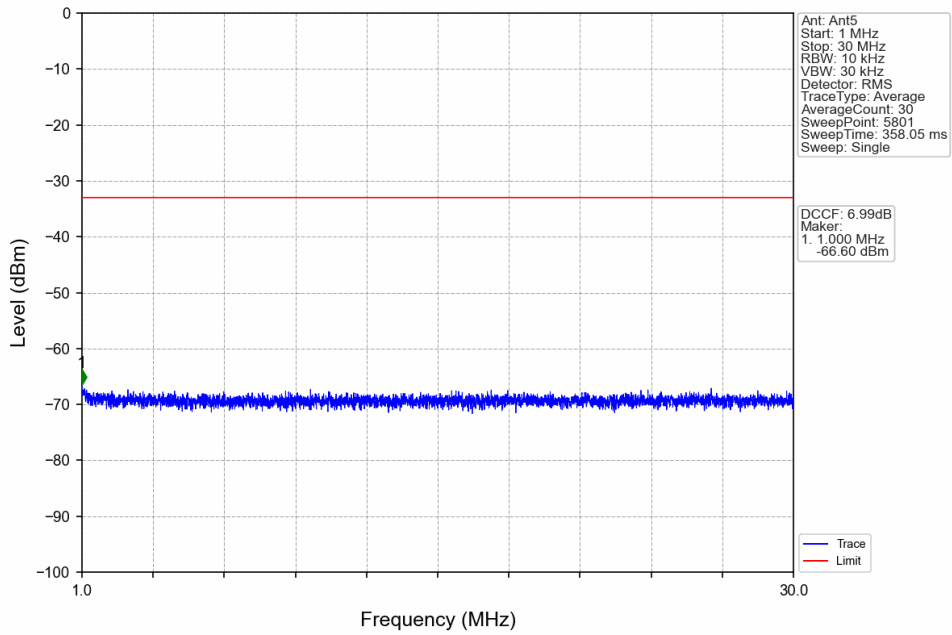


| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3445        | 3445.02    | 1         | 22.92          | 1          | 3445.003   | -44.66      | -13         | Pass   |
| 3445.02     | 3449.02    | 0.5       | 19.91          | 2          | 3448.063   | -25.45      | -13         | Pass   |
| 3449.02     | 3450.02    | 0.0051    | 0              | 3          | 3449.891   | -48.20      | -13         | Pass   |
| 3450.02     | 3500.02    | 0.0051    | 0              | 4          | 3500.020   | -69.18      | -13         | Pass   |

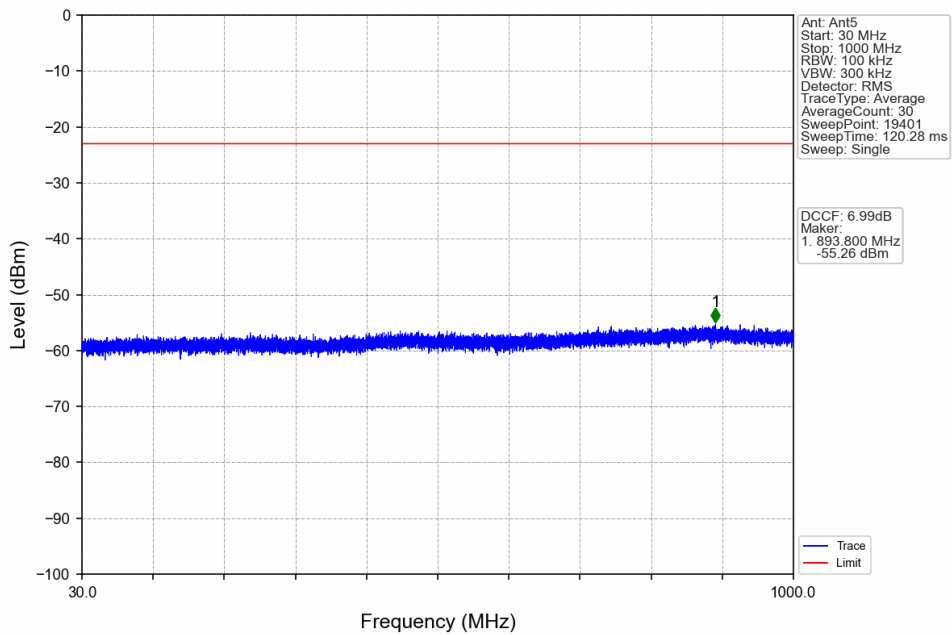
n78e\_30kHz\_SISO\_NTNV\_50MHz\_CP-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left



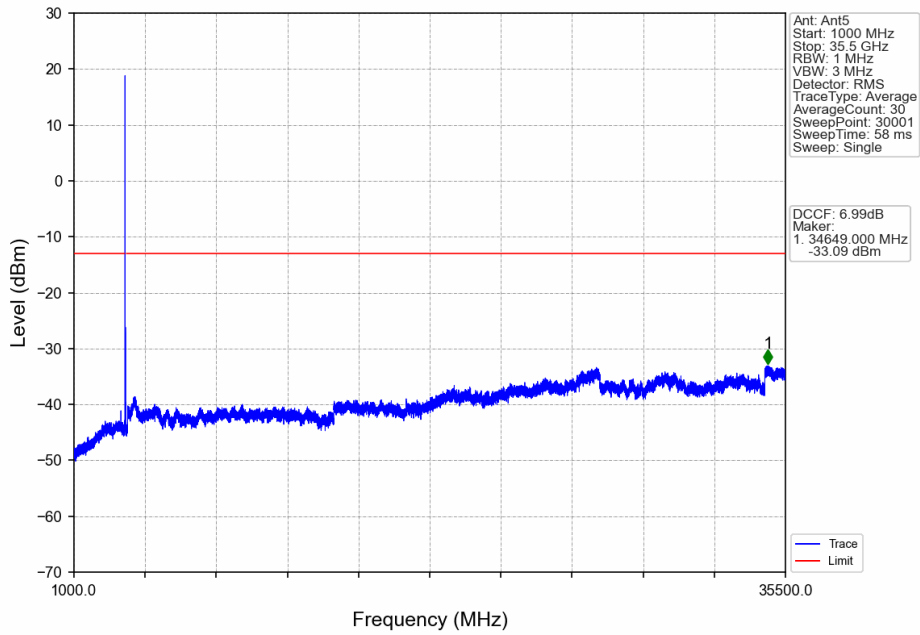
n78e\_30kHz\_SISO\_NTNV\_50MHz\_CP-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left



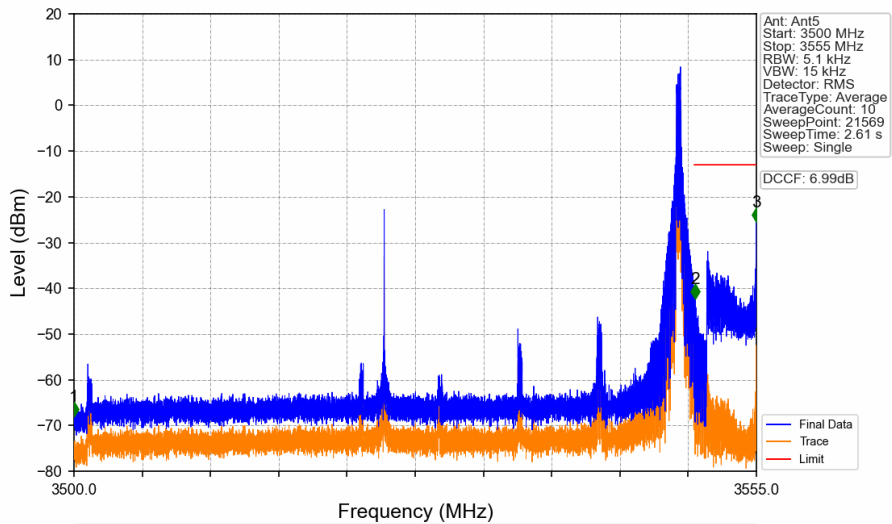
n78e\_30kHz\_SISO\_NTNV\_50MHz\_CP-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_50MHz\_CP-OFDM QPSK\_3500.01MHz\_Edge\_1RB\_Left

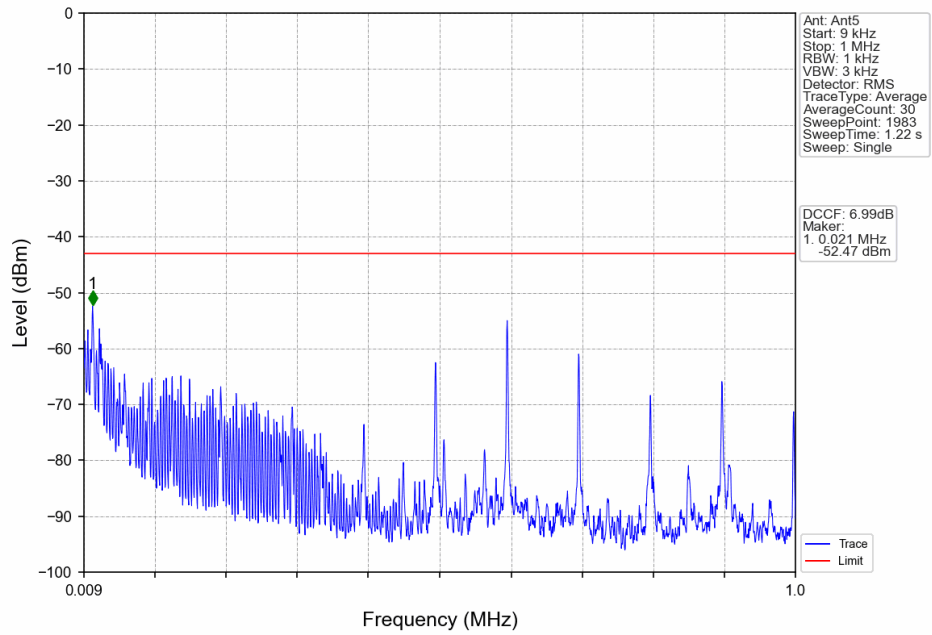


n78e\_30kHz\_SISO\_NTNV\_50MHz\_CP-OFDM QPSK\_3525MHz\_Edge\_1RB\_Right

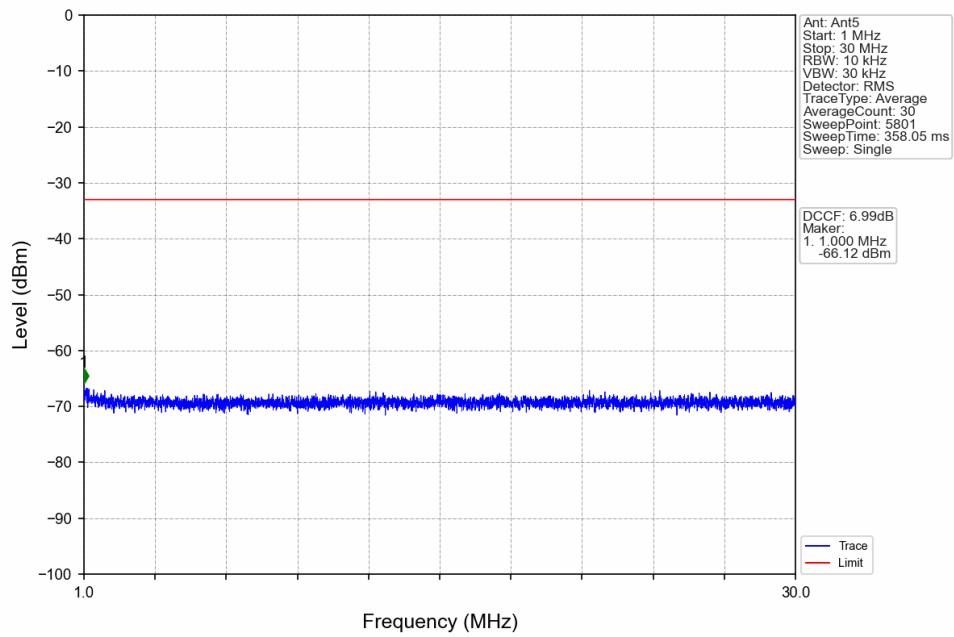


| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3500        | 3550       | 0.0051    | 0              | 1          | 3500.000   | -68.00      | -13         | Pass   |
| 3550        | 3550       | 0.0051    | 0              | /          | /          | /           | /           | /      |
| 3550        | 3551       | 0.0051    | 0              | 2          | 3550.089   | -42.27      | -13         | Pass   |
| 3551        | 3555       | 0.5       | 19.91          | 3          | 3554.977   | -25.57      | -13         | Pass   |

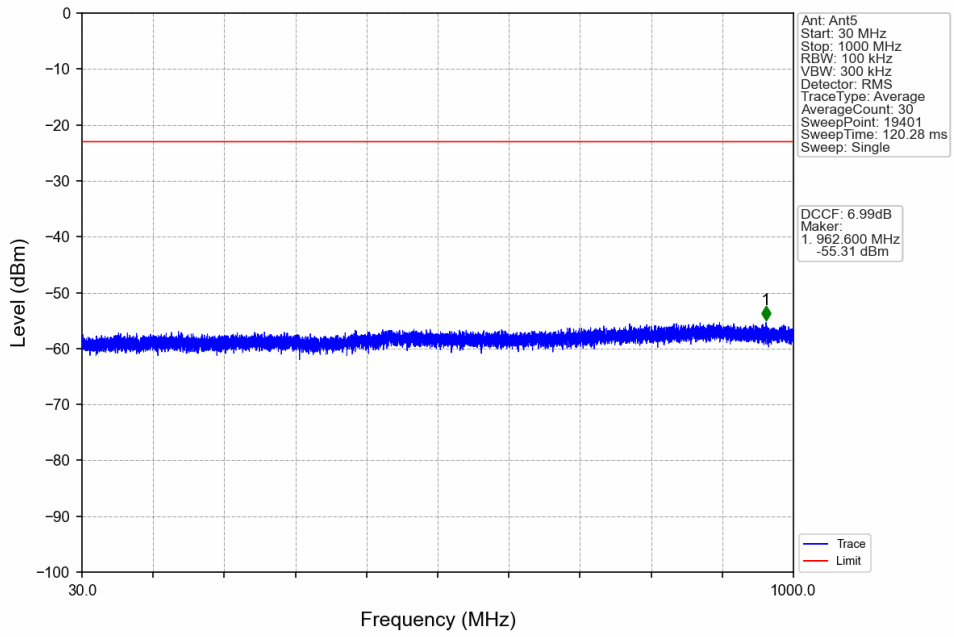
n78e\_30kHz\_SISO\_NTNV\_50MHz\_CP-OFDM\_QPSK\_3525MHz\_Edge\_1RB\_Right



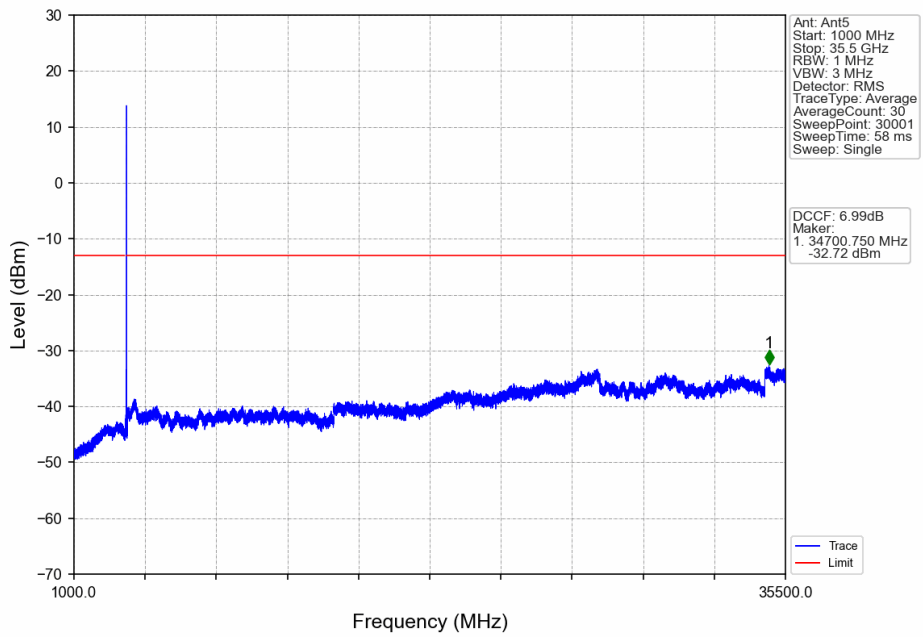
n78e\_30kHz\_SISO\_NTNV\_50MHz\_CP-OFDM\_QPSK\_3525MHz\_Edge\_1RB\_Right



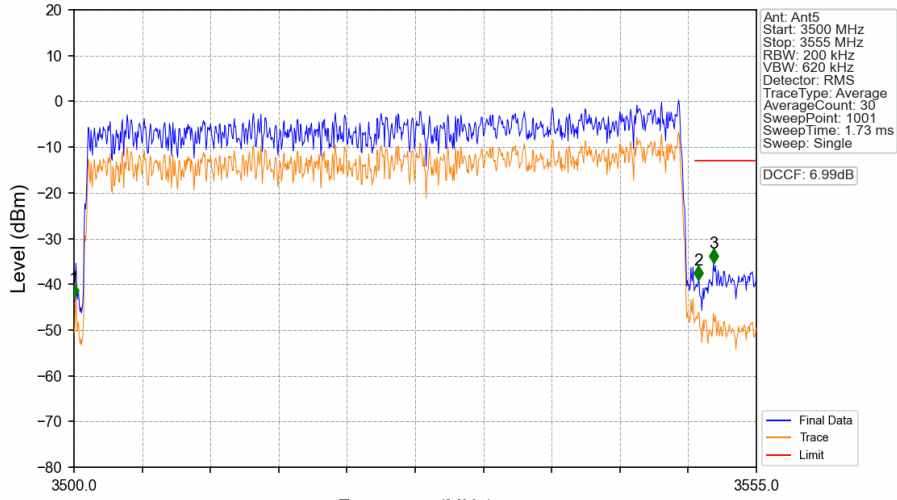
n78e\_30kHz\_SISO\_NTNV\_50MHz\_CP-OFDM\_QPSK\_3525MHz\_Edge\_1RB\_Right



n78e\_30kHz\_SISO\_NTNV\_50MHz\_CP-OFDM\_QPSK\_3525MHz\_Edge\_1RB\_Right

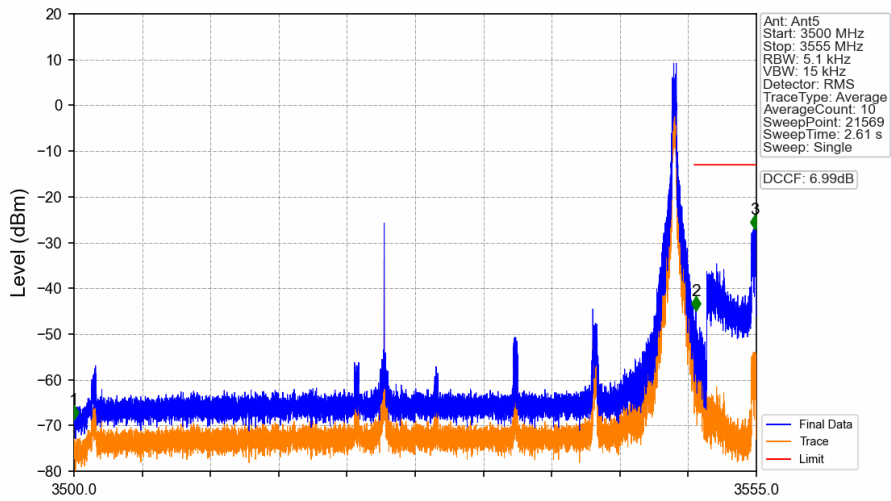


n78e\_30kHz\_SISO\_NTNV\_50MHz\_CP-OFDM QPSK\_3525MHz\_Outer\_Full



| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3500        | 3550       | 0.2       | 0              | 1          | 3500.000   | -42.95      | -13         | Pass   |
| 3550        | 3550       | 0.2       | 0              | /          | /          | /           | /           | /      |
| 3550        | 3551       | 0.2       | 0              | 2          | 3550.325   | -39.12      | -13         | Pass   |
| 3551        | 3555       | 0.5       | 3.98           | 3          | 3551.535   | -35.35      | -13         | Pass   |

n78e\_30kHz\_SISO\_NTNV\_50MHz\_CP-OFDM QPSK\_3525MHz\_Inner\_1RB\_Right



| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3500        | 3550       | 0.0051    | 0              | 1          | 3500.000   | -68.79      | -13         | Pass   |
| 3550        | 3550       | 0.0051    | 0              | /          | /          | /           | /           | /      |
| 3550        | 3551       | 0.0051    | 0              | 2          | 3550.124   | -44.94      | -13         | Pass   |
| 3551        | 3555       | 0.5       | 19.91          | 3          | 3554.865   | -27.06      | -13         | Pass   |

## 1.5 30k\_SISO\_60MHz\_NTNV

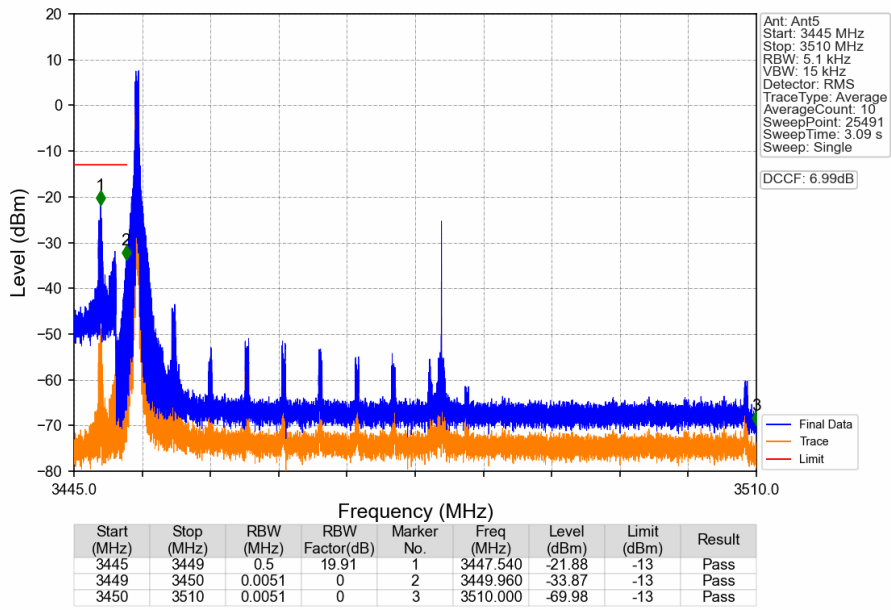
### 1.5.1 Test Result

| 5G NR n78e SCS=30kHz SISO 60MHz NTN |                 |                 |                     |                     |     |         |       |
|-------------------------------------|-----------------|-----------------|---------------------|---------------------|-----|---------|-------|
| Modulation                          | Frequency (MHz) | RB Allocation   | Spurious Emission   |                     |     | Verdict |       |
|                                     |                 |                 | Ant5                | Ant2                | Sum |         | Limit |
| DFT-s-OFDM QPSK                     | 3480            | Edge_1RB_Left   | Refer To Test Graph |                     |     | Pass    |       |
|                                     |                 | Outer_Full      | Refer To Test Graph |                     |     | Pass    |       |
|                                     |                 | Inner_1RB_Left  | Refer To Test Graph |                     |     | Pass    |       |
|                                     | 3500.01         | Edge_1RB_Left   | Refer To Test Graph |                     |     | Pass    |       |
|                                     |                 | 3519.99         | Edge_1RB_Right      | Refer To Test Graph |     |         | Pass  |
|                                     |                 |                 | Outer_Full          | Refer To Test Graph |     |         | Pass  |
| CP-OFDM QPSK                        | 3480            | Inner_1RB_Right | Refer To Test Graph |                     |     | Pass    |       |
|                                     |                 | Edge_1RB_Left   | Refer To Test Graph |                     |     | Pass    |       |
|                                     |                 | Outer_Full      | Refer To Test Graph |                     |     | Pass    |       |
|                                     | 3500.01         | Inner_1RB_Left  | Refer To Test Graph |                     |     | Pass    |       |
|                                     |                 | Edge_1RB_Left   | Refer To Test Graph |                     |     | Pass    |       |
|                                     |                 | 3519.99         | Edge_1RB_Right      | Refer To Test Graph |     |         | Pass  |
|                                     | Outer_Full      |                 | Refer To Test Graph |                     |     | Pass    |       |
|                                     | Inner_1RB_Right |                 | Refer To Test Graph |                     |     | Pass    |       |

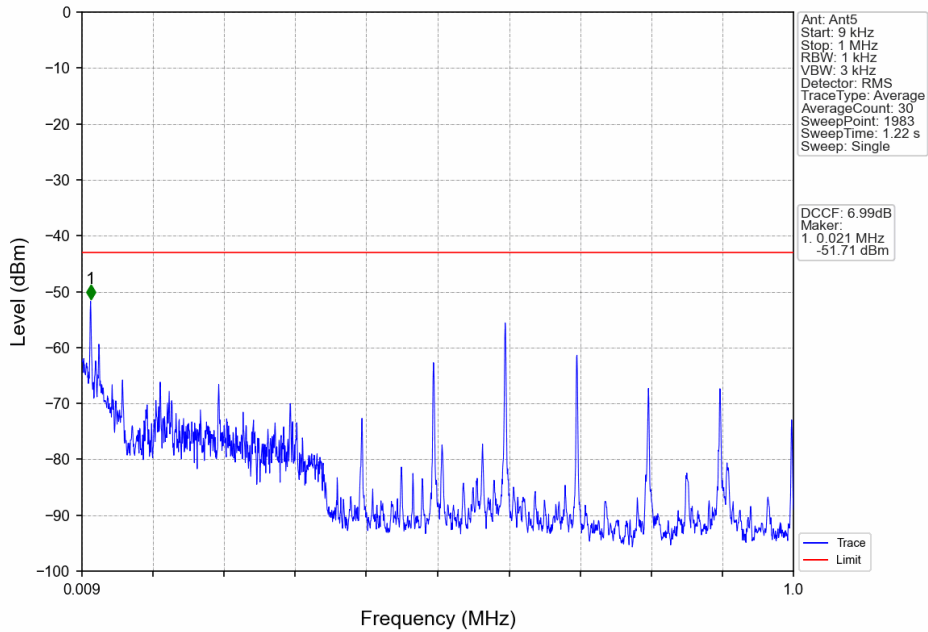


### 1.5.2 Test Graph

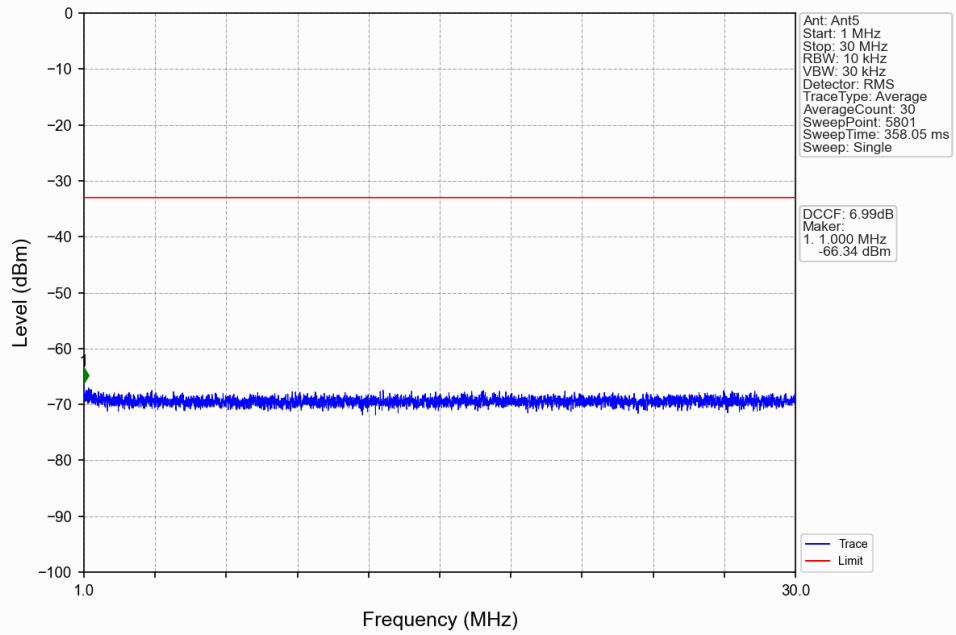
n78e\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM QPSK\_3480MHz\_Edge\_1RB\_Left



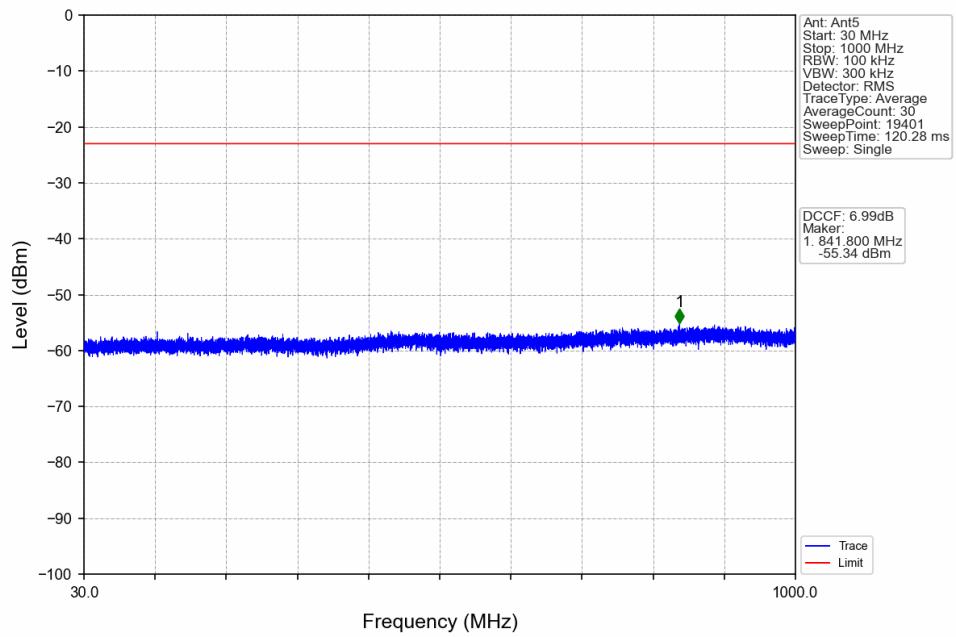
n78e\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM QPSK\_3480MHz\_Edge\_1RB\_Left



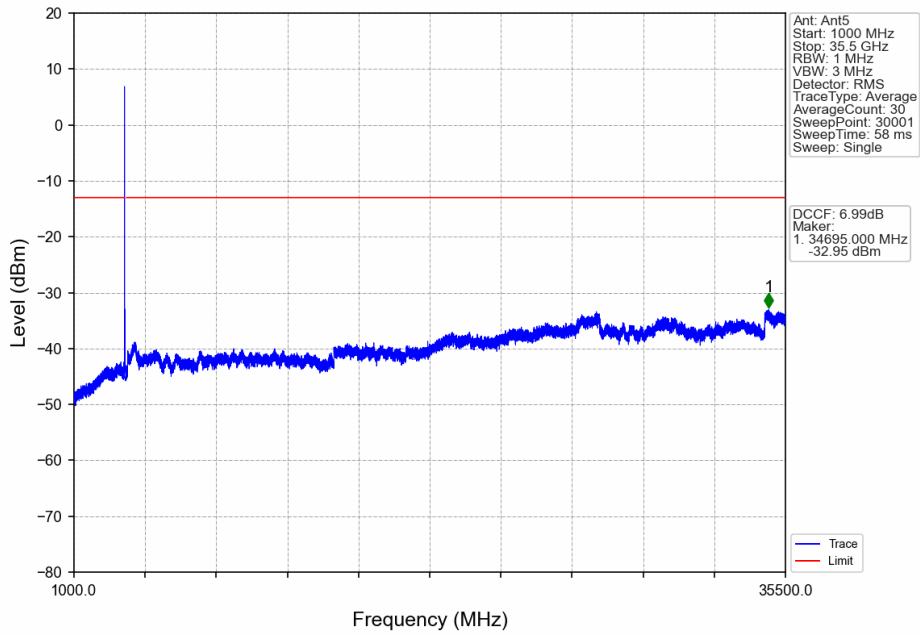
n78e\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM\_QPSK\_3480MHz\_Edge\_1RB\_Left



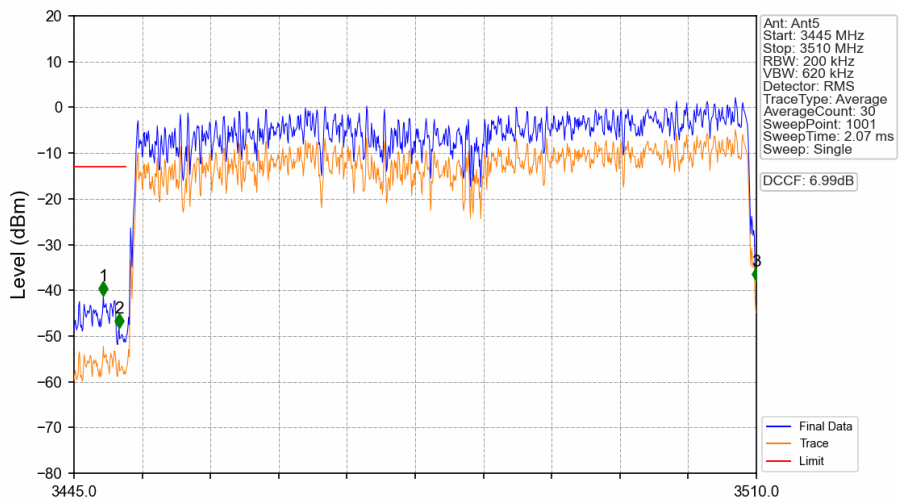
n78e\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM\_QPSK\_3480MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTV\_60MHz\_DFT-s-OFDM\_QPSK\_3480MHz\_Edge\_1RB\_Left

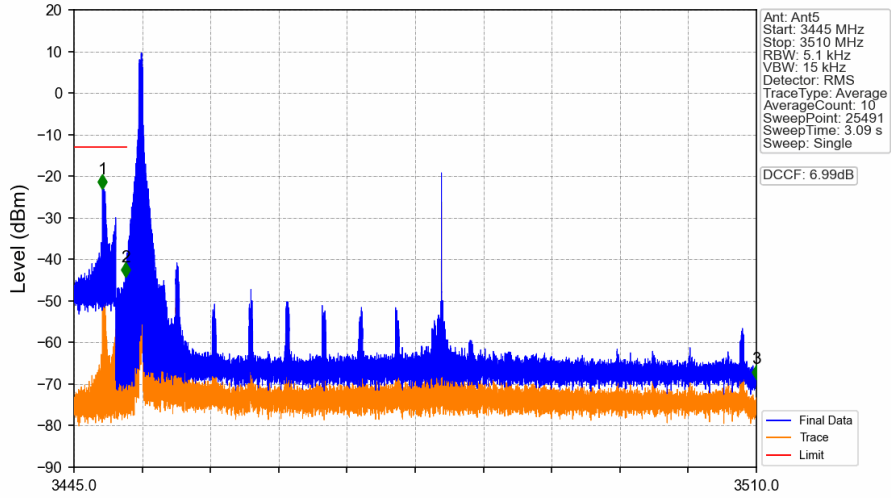


n78e\_30kHz\_SISO\_NTV\_60MHz\_DFT-s-OFDM\_QPSK\_3480MHz\_Outer\_Full



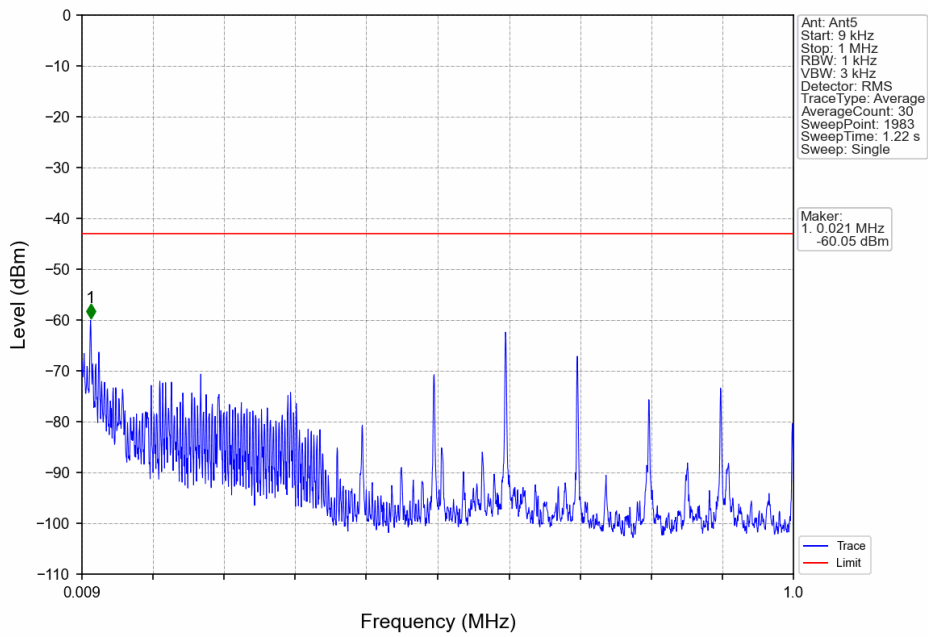
| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3445        | 3449       | 0.5       | 3.98           | 1          | 3447.795   | -41.23      | -13         | Pass   |
| 3449        | 3450       | 0.2       | 0              | 2          | 3449.290   | -48.23      | -13         | Pass   |
| 3450        | 3510       | 0.2       | 0              | 3          | 3510.000   | -37.98      | -13         | Pass   |

n78e\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM\_QPSK\_3480MHz\_Inner\_1RB\_Left

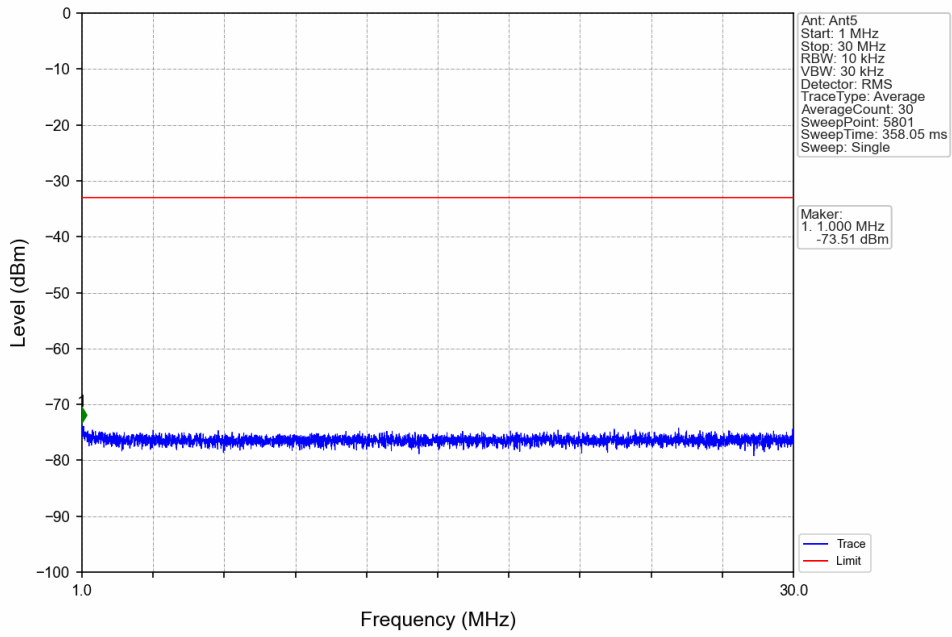


| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3445        | 3449       | 0.5       | 19.91          | 1          | 3447.711   | -23.06      | -13         | Pass   |
| 3449        | 3450       | 0.0051    | 0              | 2          | 3449.924   | -44.19      | -13         | Pass   |
| 3450        | 3510       | 0.0051    | 0              | 3          | 3510.000   | -68.78      | -13         | Pass   |

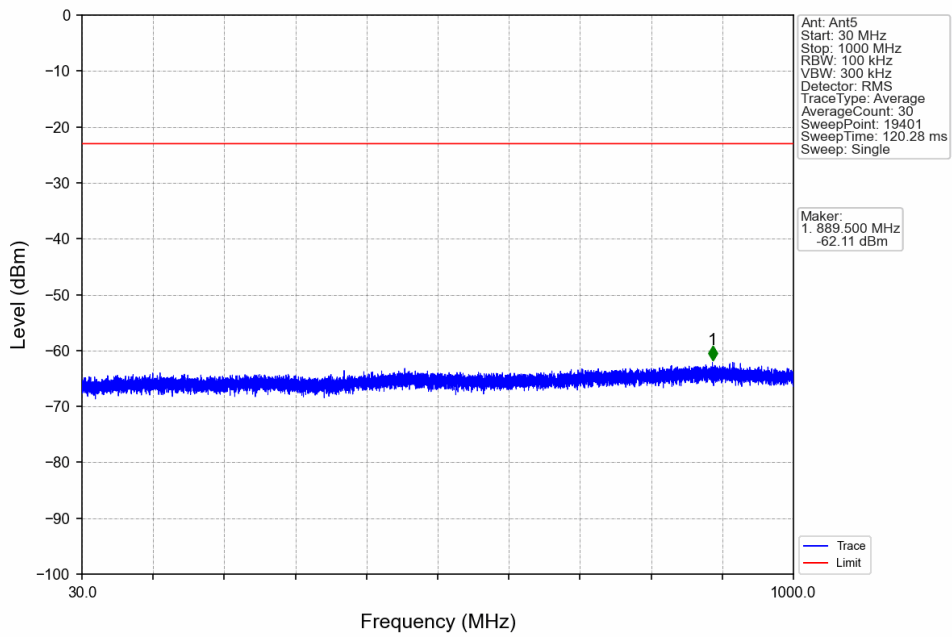
n78e\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left



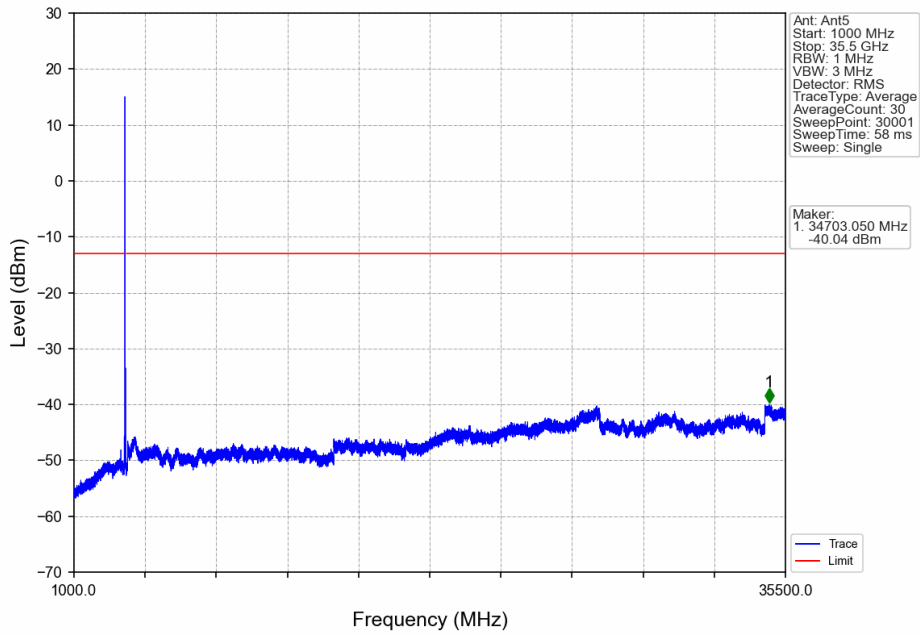
n78e\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left



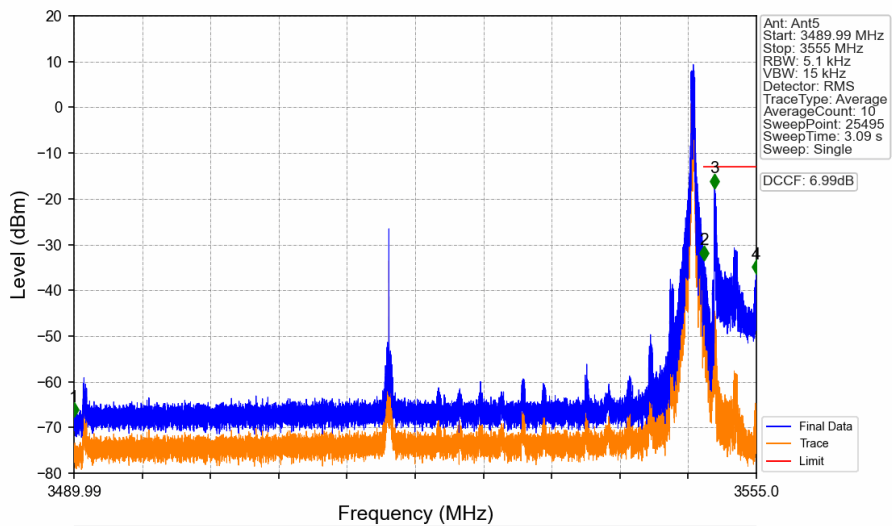
n78e\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left

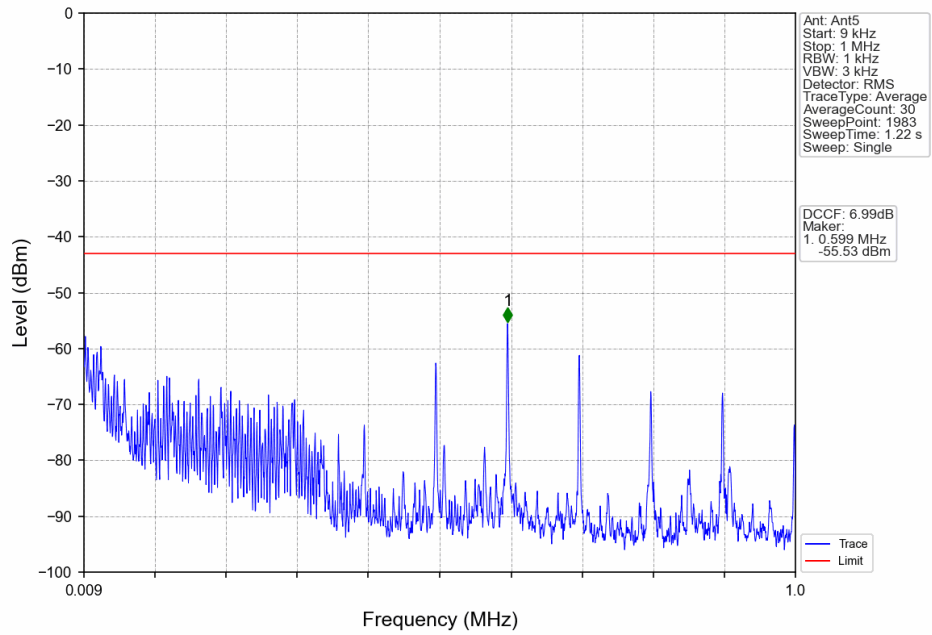


n78e\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM\_QPSK\_3519.99MHz\_Edge\_1RB\_Right

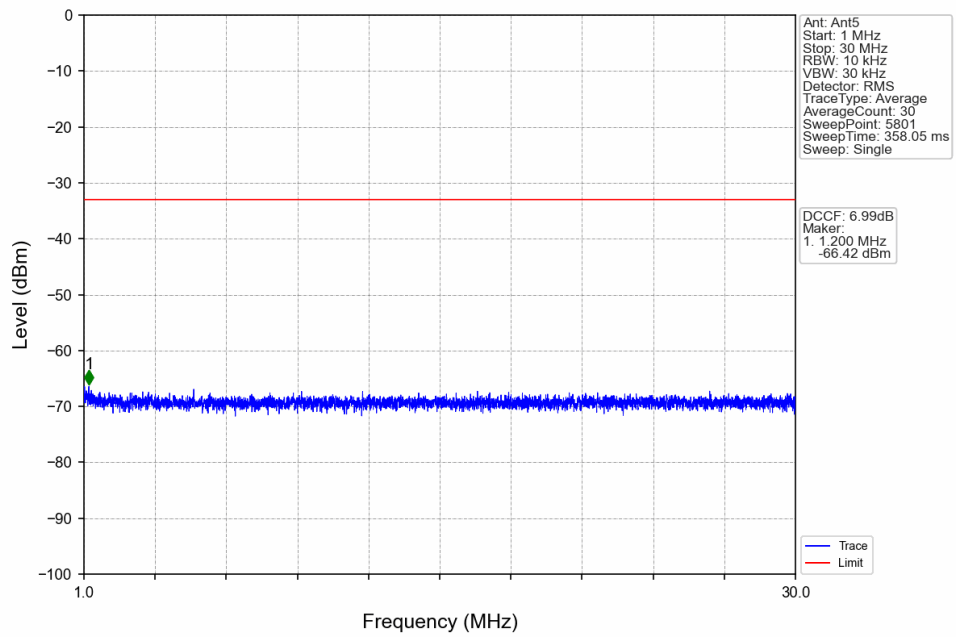


| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3489.99     | 3549.99    | 0.0051    | 0              | 1          | 3489.990   | -67.63      | -13         | Pass   |
| 3549.99     | 3549.99    | 0.0051    | 0              | /          | /          | /           | /           | /      |
| 3549.99     | 3550.99    | 0.0051    | 0              | 2          | 3549.997   | -33.35      | -13         | Pass   |
| 3550.99     | 3554.99    | 0.5       | 19.91          | 3          | 3551.014   | -17.66      | -13         | Pass   |
| 3554.99     | 3555       | 1         | 22.92          | 4          | 3554.992   | -36.39      | -13         | Pass   |

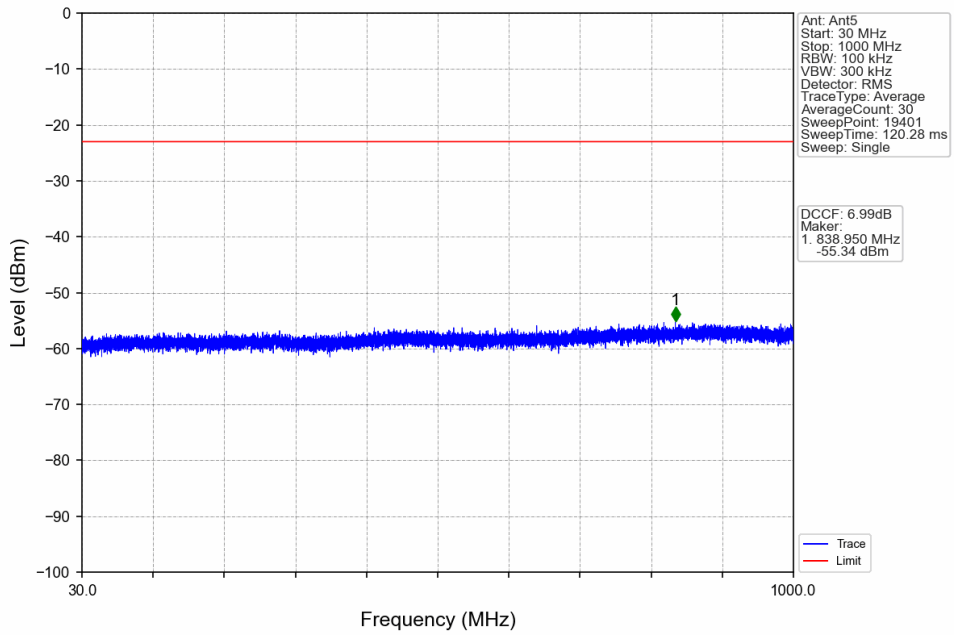
n78e\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM\_QPSK\_3519.99MHz\_Edge\_1RB\_Right



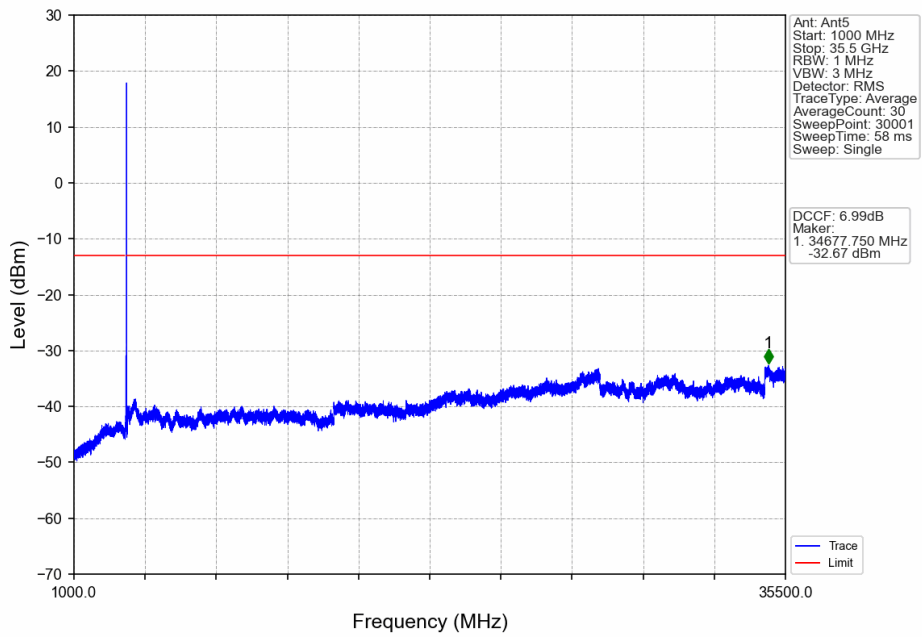
n78e\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM\_QPSK\_3519.99MHz\_Edge\_1RB\_Right



n78e\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM QPSK\_3519.99MHz\_Edge\_1RB\_Right

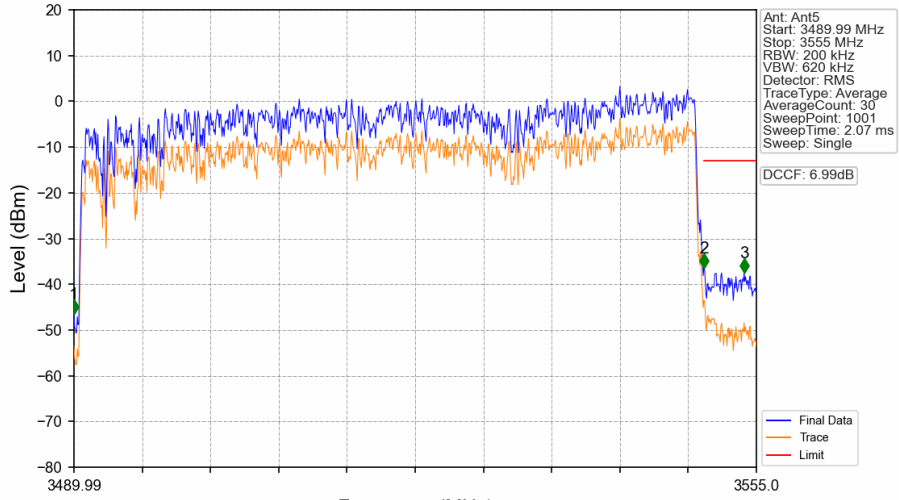


n78e\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM QPSK\_3519.99MHz\_Edge\_1RB\_Right



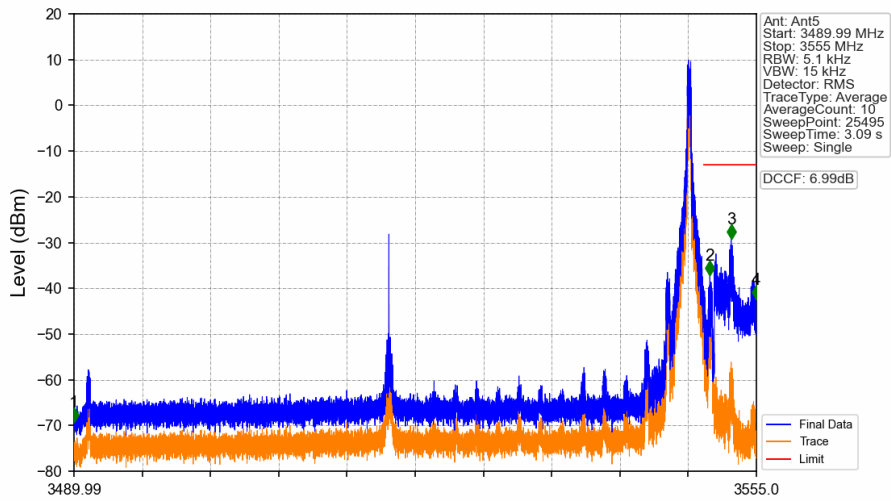


n78e\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM QPSK 3519.99MHz\_Outer\_Full



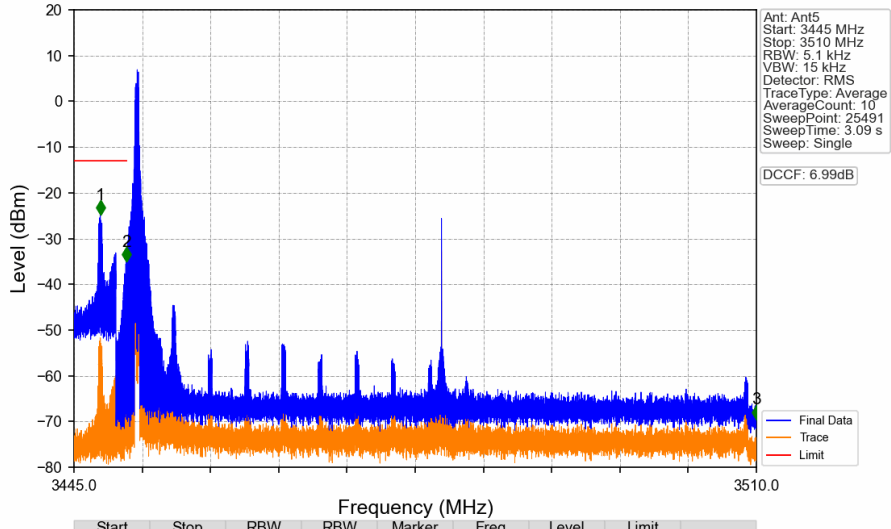
| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3489.99     | 3549.99    | 0.2       | 0              | 1          | 3489.990   | -46.55      | -13         | Pass   |
| 3549.99     | 3549.99    | 0.2       | 0              | /          | /          | /           | /           | /      |
| 3549.99     | 3550.99    | 0.2       | 0              | 2          | 3549.994   | -36.49      | -13         | Pass   |
| 3550.99     | 3554.99    | 0.5       | 3.98           | 3          | 3553.830   | -37.44      | -13         | Pass   |

n78e\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM QPSK 3519.99MHz\_Inner\_1RB\_Right



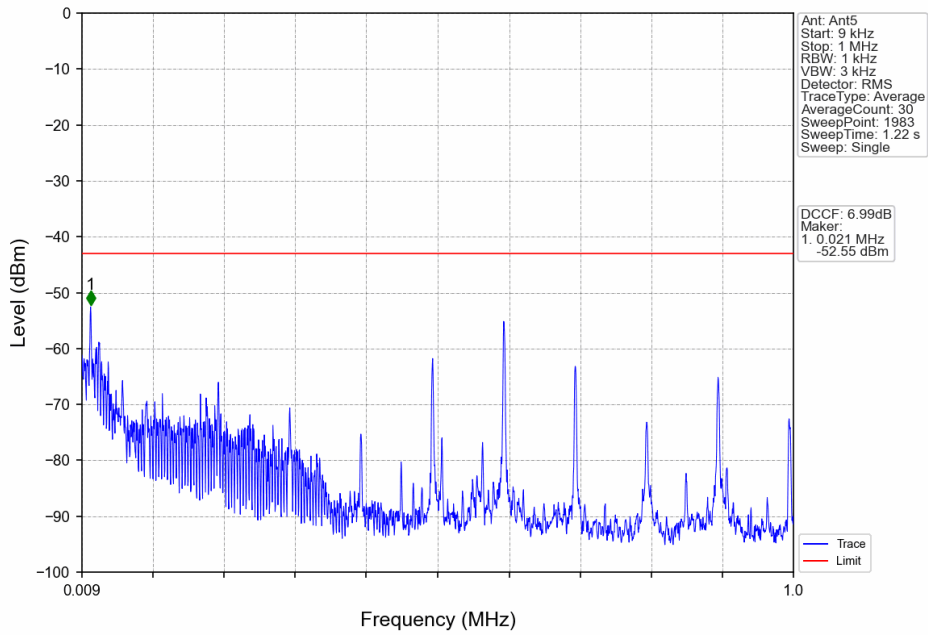
| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3489.99     | 3549.99    | 0.0051    | 0              | 1          | 3489.990   | -69.32      | -13         | Pass   |
| 3549.99     | 3549.99    | 0.0051    | 0              | /          | /          | /           | /           | /      |
| 3549.99     | 3550.99    | 0.0051    | 0              | 2          | 3550.568   | -37.13      | -13         | Pass   |
| 3550.99     | 3554.99    | 0.5       | 19.91          | 3          | 3552.593   | -29.25      | -13         | Pass   |
| 3554.99     | 3555       | 1         | 22.92          | 4          | 3554.995   | -42.39      | -13         | Pass   |

n78e\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM\_QPSK\_3480MHz\_Edge\_1RB\_Left

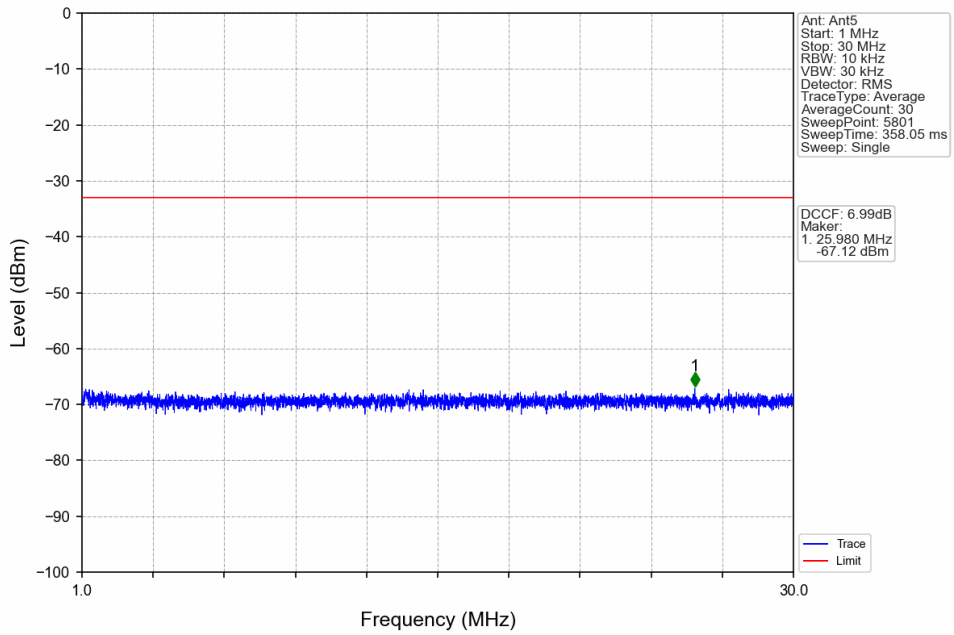


| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3445        | 3449       | 0.5       | 19.91          | 1          | 3447.507   | -24.83      | -13         | Pass   |
| 3449        | 3450       | 0.0051    | 0              | 2          | 3449.985   | -35.05      | -13         | Pass   |
| 3450        | 3510       | 0.0051    | 0              | 3          | 3510.000   | -69.50      | -13         | Pass   |

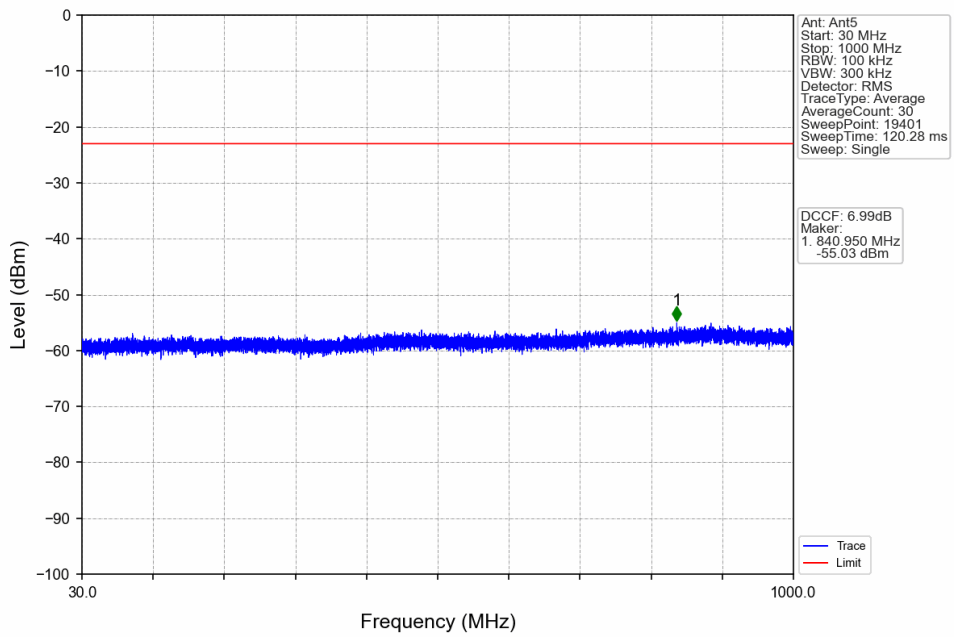
n78e\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM\_QPSK\_3480MHz\_Edge\_1RB\_Left



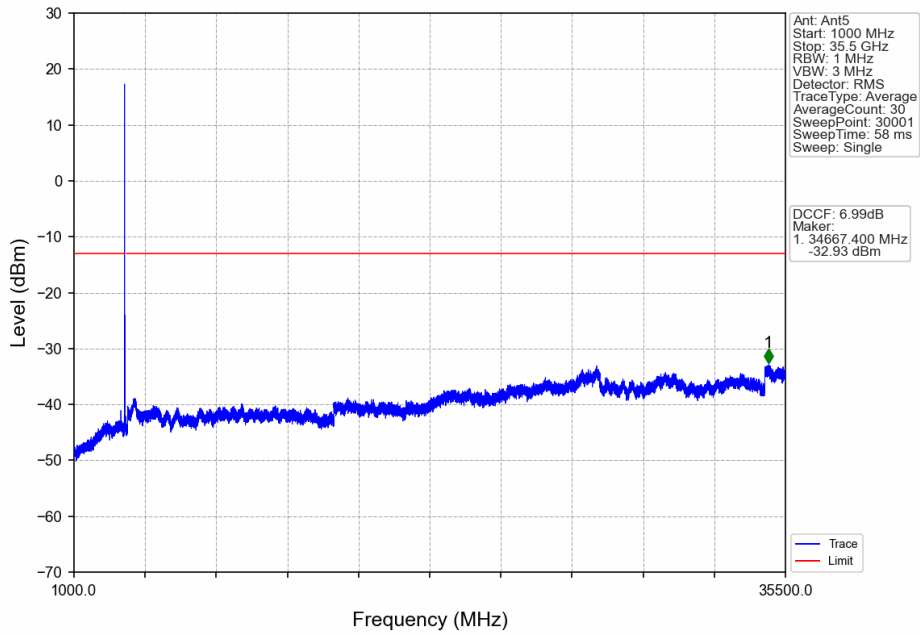
n78e\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM QPSK\_3480MHz\_Edge\_1RB\_Left



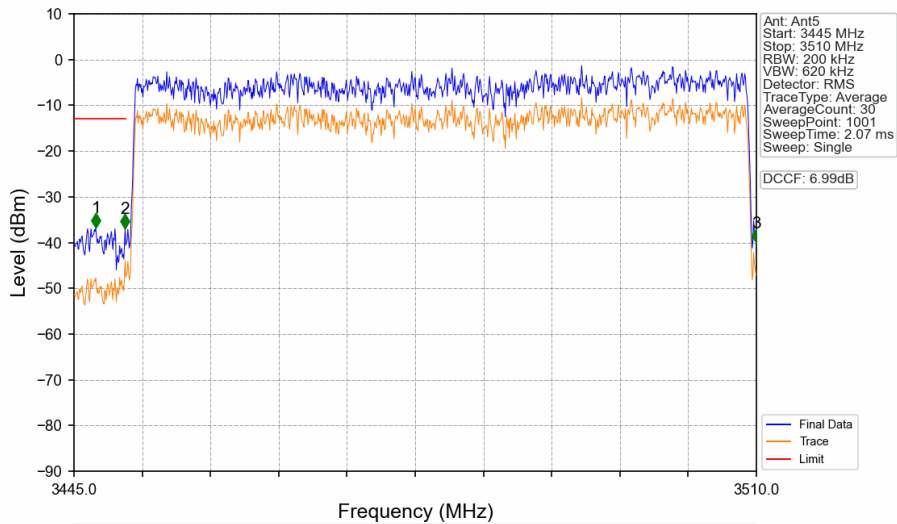
n78e\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM QPSK\_3480MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTV\_60MHz\_CP-OFDM\_QPSK\_3480MHz\_Edge\_1RB\_Left

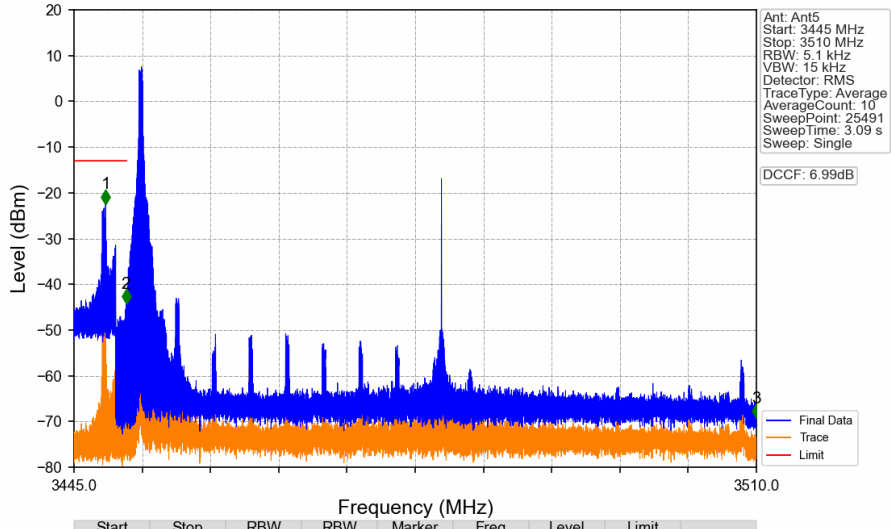


n78e\_30kHz\_SISO\_NTV\_60MHz\_CP-OFDM\_QPSK\_3480MHz\_Outer\_Full

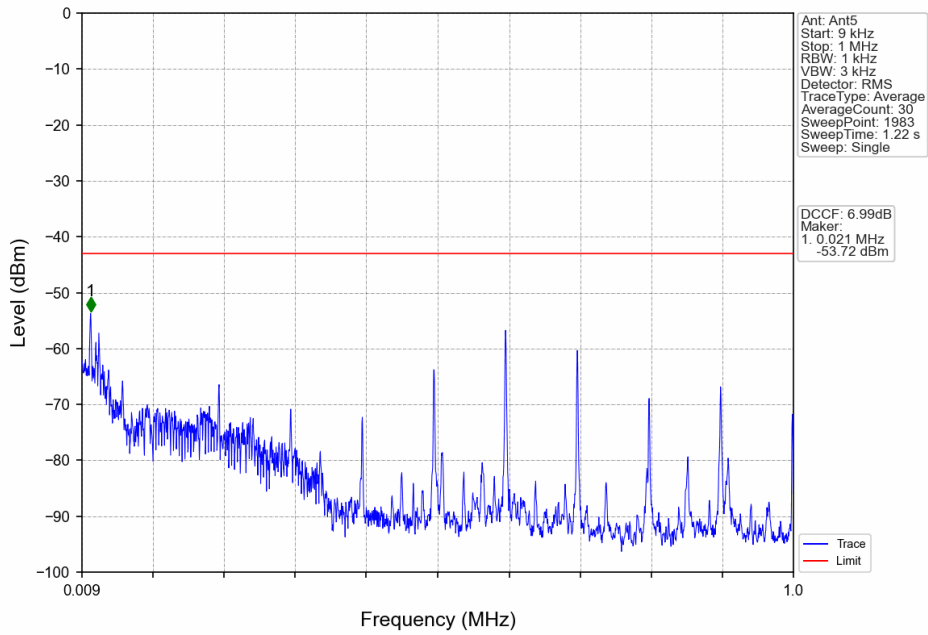


| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3445        | 3449       | 0.5       | 3.98           | 1          | 3447.080   | -36.76      | -13         | Pass   |
| 3449        | 3450       | 0.2       | 0              | 2          | 3449.875   | -36.88      | -13         | Pass   |
| 3450        | 3510       | 0.2       | 0              | 3          | 3510.000   | -40.16      | -13         | Pass   |

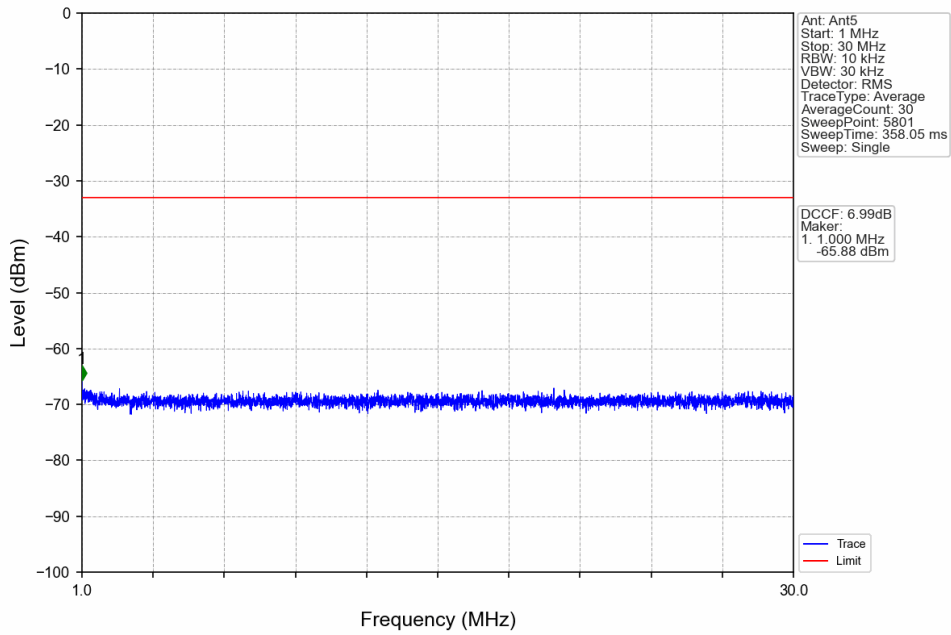
n78e\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM\_QPSK\_3480MHz\_Inner\_1RB\_Left



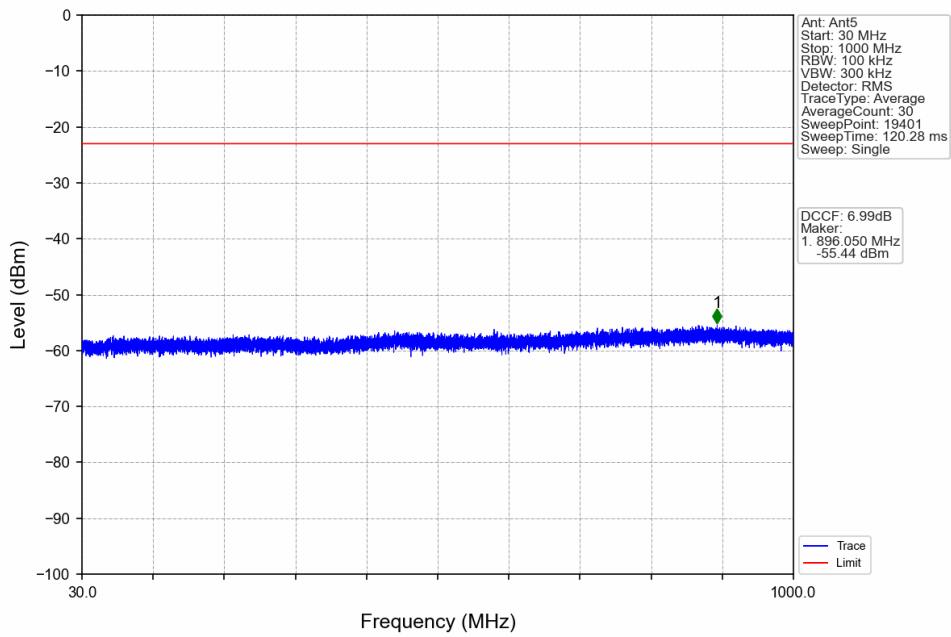
n78e\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left



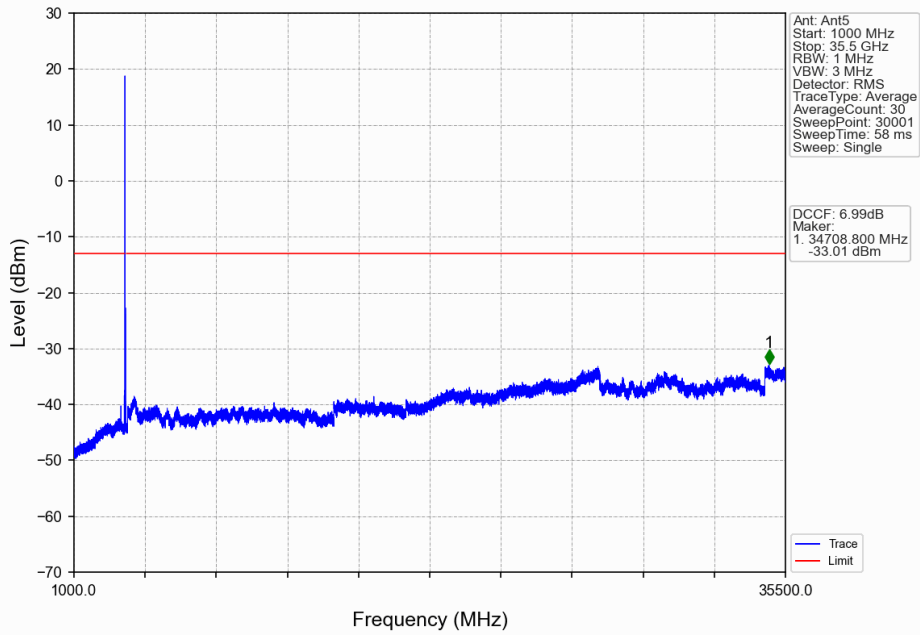
n78e\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left



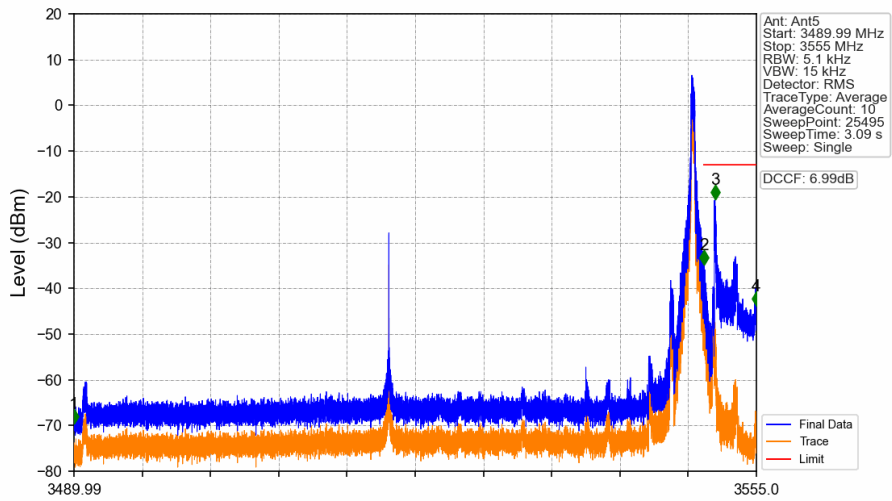
n78e\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM QPSK\_3500.01MHz\_Edge\_1RB\_Left

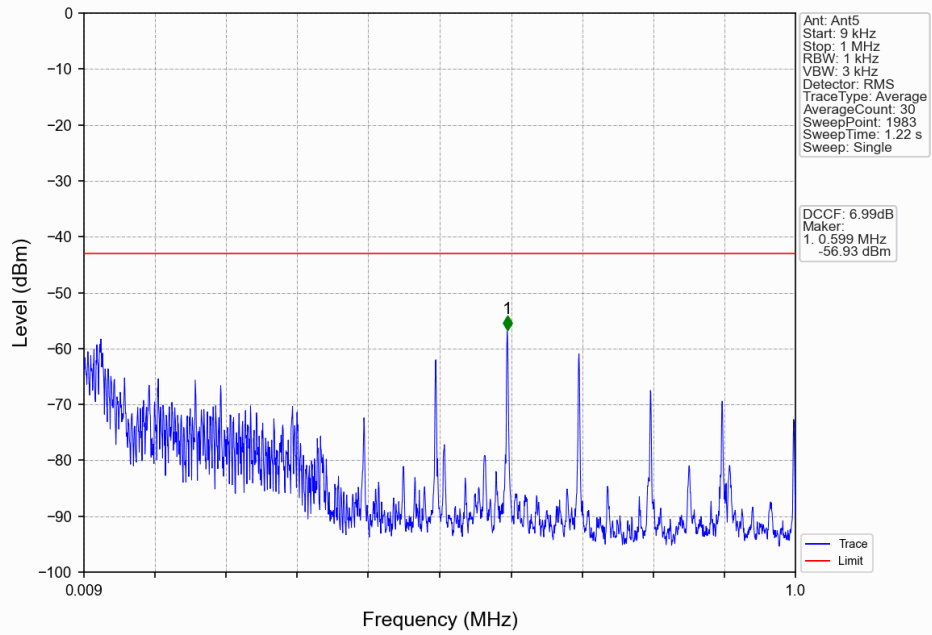


n78e\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM QPSK\_3519.99MHz\_Edge\_1RB\_Right

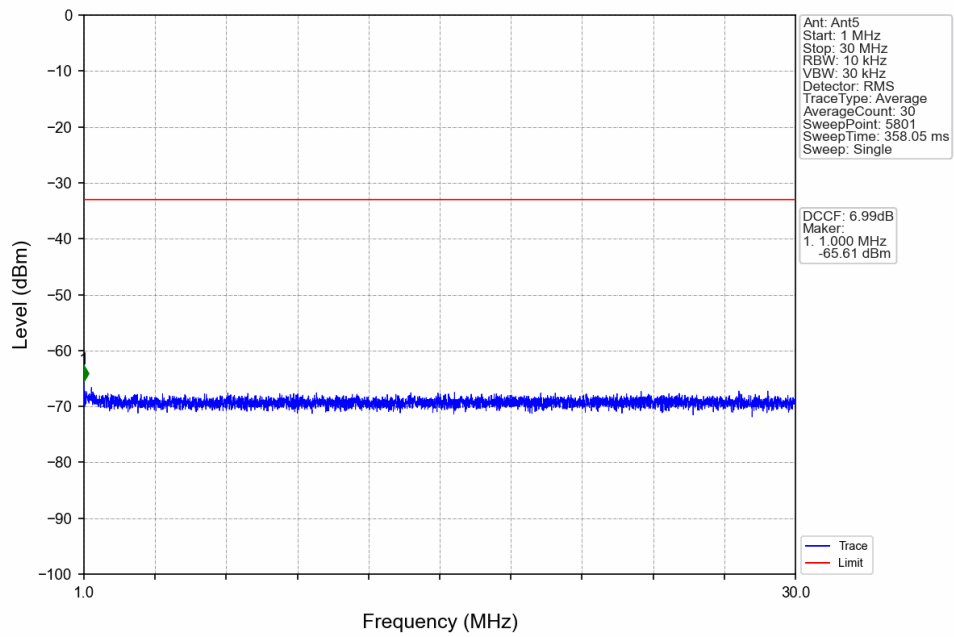


| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3489.99     | 3549.99    | 0.0051    | 0              | 1          | 3489.990   | -69.55      | -13         | Pass   |
| 3549.99     | 3549.99    | 0.0051    | 0              | /          | /          | /           | /           | /      |
| 3549.99     | 3550.99    | 0.0051    | 0              | 2          | 3550.007   | -34.84      | -13         | Pass   |
| 3550.99     | 3554.99    | 0.5       | 19.91          | 3          | 3551.055   | -20.61      | -13         | Pass   |
| 3554.99     | 3555       | 1         | 22.92          | 4          | 3555.000   | -43.81      | -13         | Pass   |

n78e\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM QPSK\_3519.99MHz\_Edge\_1RB\_Right

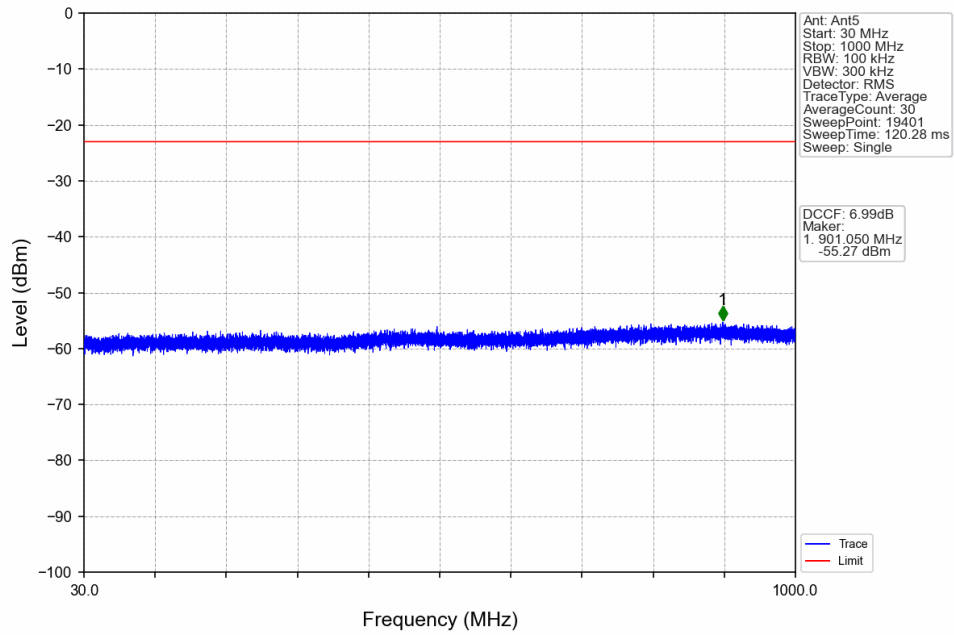


n78e\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM QPSK\_3519.99MHz\_Edge\_1RB\_Right

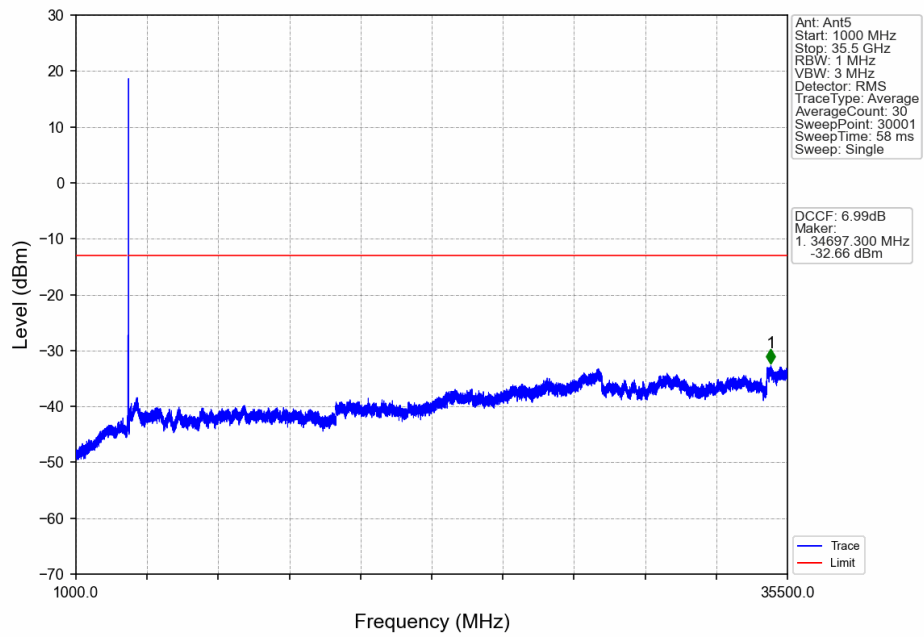




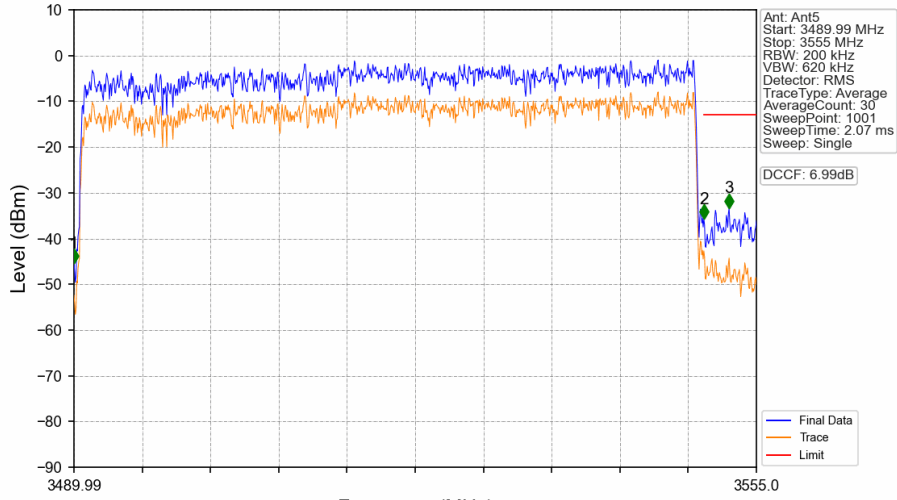
n78e\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM QPSK\_3519.99MHz\_Edge\_1RB\_Right



n78e\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM QPSK\_3519.99MHz\_Edge\_1RB\_Right

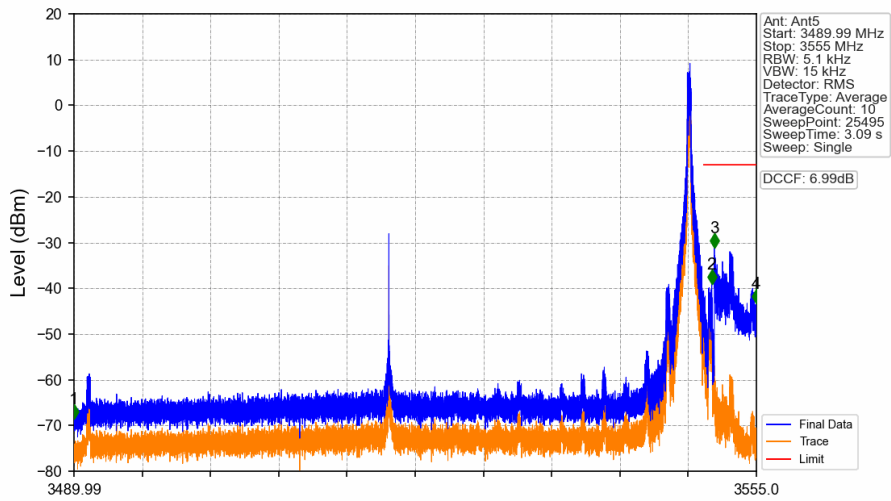


n78e\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM QPSK\_3519.99MHz\_Outer\_Full



| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3489.99     | 3549.99    | 0.2       | 0              | 1          | 3489.990   | -45.36      | -13         | Pass   |
| 3549.99     | 3549.99    | 0.2       | 0              | /          | /          | /           | /           | /      |
| 3549.99     | 3550.99    | 0.2       | 0              | 2          | 3549.994   | -35.72      | -13         | Pass   |
| 3550.99     | 3554.99    | 0.5       | 3.98           | 3          | 3552.400   | -33.30      | -13         | Pass   |

n78e\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM QPSK\_3519.99MHz\_Inner\_1RB\_Right



| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3489.99     | 3549.99    | 0.0051    | 0              | 1          | 3489.990   | -68.62      | -13         | Pass   |
| 3549.99     | 3549.99    | 0.0051    | 0              | /          | /          | /           | /           | /      |
| 3549.99     | 3550.99    | 0.0051    | 0              | 2          | 3550.747   | -39.16      | -13         | Pass   |
| 3550.99     | 3554.99    | 0.5       | 19.91          | 3          | 3550.991   | -31.19      | -13         | Pass   |
| 3554.99     | 3555       | 1         | 22.92          | 4          | 3554.997   | -43.29      | -13         | Pass   |

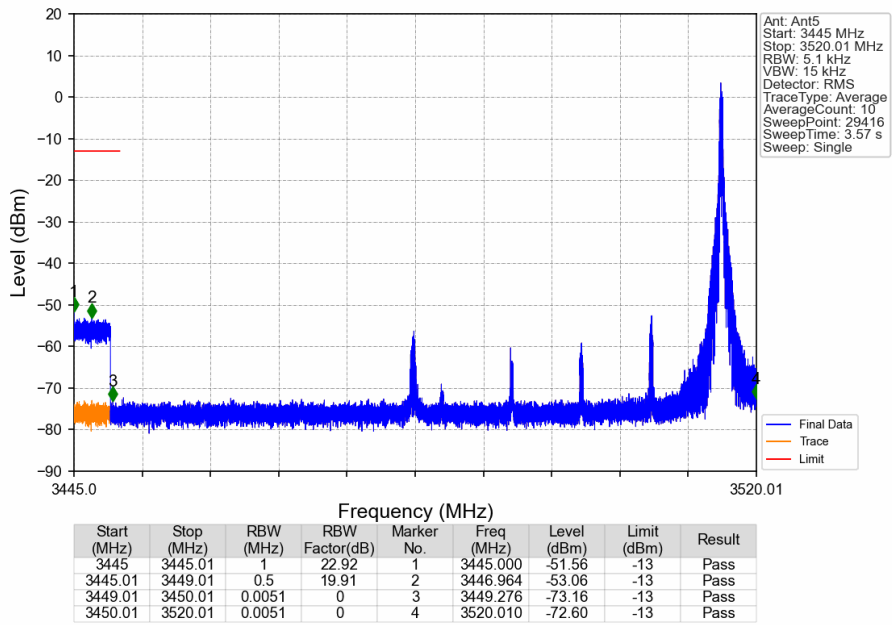
## 1.6 30k\_SISO\_70MHz\_NTNV

### 1.6.1 Test Result

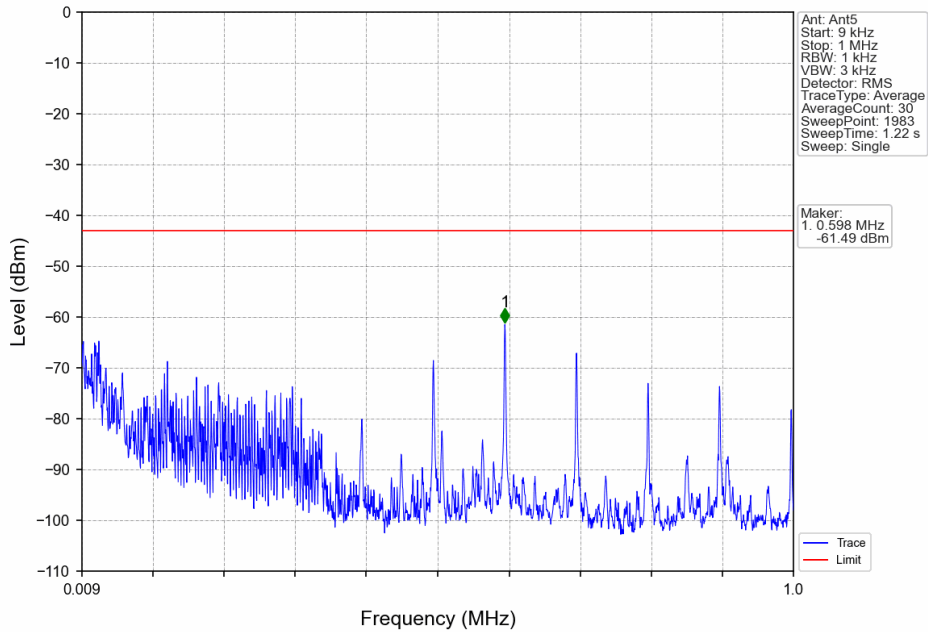
| 5G NR n78e SCS=30kHz SISO 70MHz NTN |                     |                 |                     |                     |     |         |       |
|-------------------------------------|---------------------|-----------------|---------------------|---------------------|-----|---------|-------|
| Modulation                          | Frequency (MHz)     | RB Allocation   | Spurious Emission   |                     |     | Verdict |       |
|                                     |                     |                 | Ant5                | Ant2                | Sum |         | Limit |
| DFT-s-OFDM QPSK                     | 3485.01             | Edge_1RB_Left   | Refer To Test Graph |                     |     | Pass    |       |
|                                     |                     | Outer_Full      | Refer To Test Graph |                     |     | Pass    |       |
|                                     |                     | Inner_1RB_Left  | Refer To Test Graph |                     |     | Pass    |       |
|                                     | 3500.01             | Edge_1RB_Left   | Refer To Test Graph |                     |     | Pass    |       |
|                                     |                     | 3514.98         | Edge_1RB_Right      | Refer To Test Graph |     |         | Pass  |
|                                     |                     |                 | Outer_Full          | Refer To Test Graph |     |         | Pass  |
| CP-OFDM QPSK                        | 3485.01             | Inner_1RB_Right | Refer To Test Graph |                     |     | Pass    |       |
|                                     |                     | Edge_1RB_Left   | Refer To Test Graph |                     |     | Pass    |       |
|                                     |                     | Outer_Full      | Refer To Test Graph |                     |     | Pass    |       |
|                                     | 3500.01             | Inner_1RB_Left  | Refer To Test Graph |                     |     | Pass    |       |
|                                     |                     | Edge_1RB_Left   | Refer To Test Graph |                     |     | Pass    |       |
|                                     |                     | 3514.98         | Edge_1RB_Right      | Refer To Test Graph |     |         | Pass  |
| Outer_Full                          | Refer To Test Graph |                 |                     | Pass                |     |         |       |
|                                     |                     | Inner_1RB_Right | Refer To Test Graph |                     |     | Pass    |       |

## 1.6.2 Test Graph

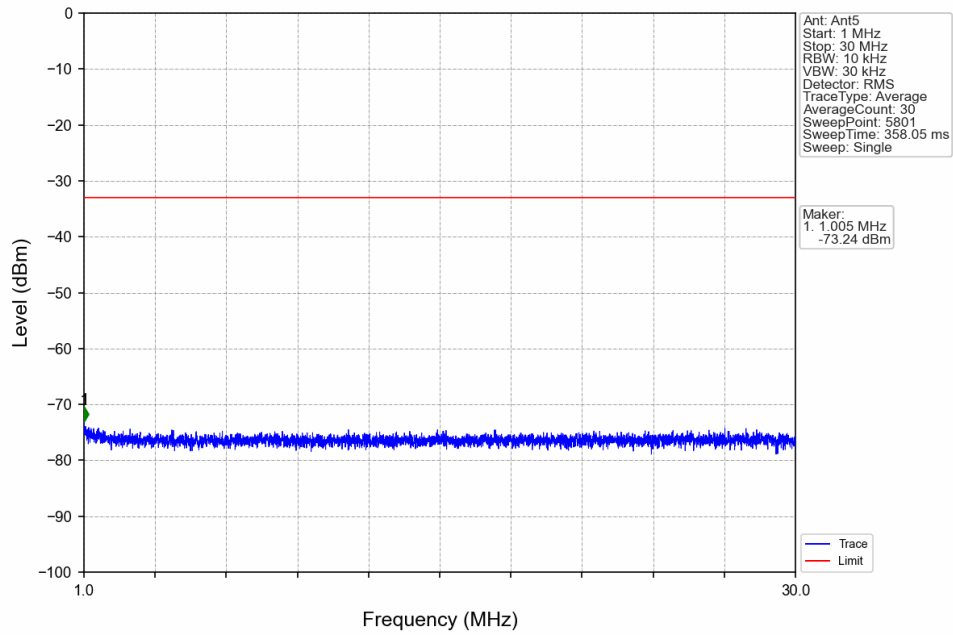
n78e\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM\_QPSK\_3485.01MHz\_Edge\_1RB\_Left



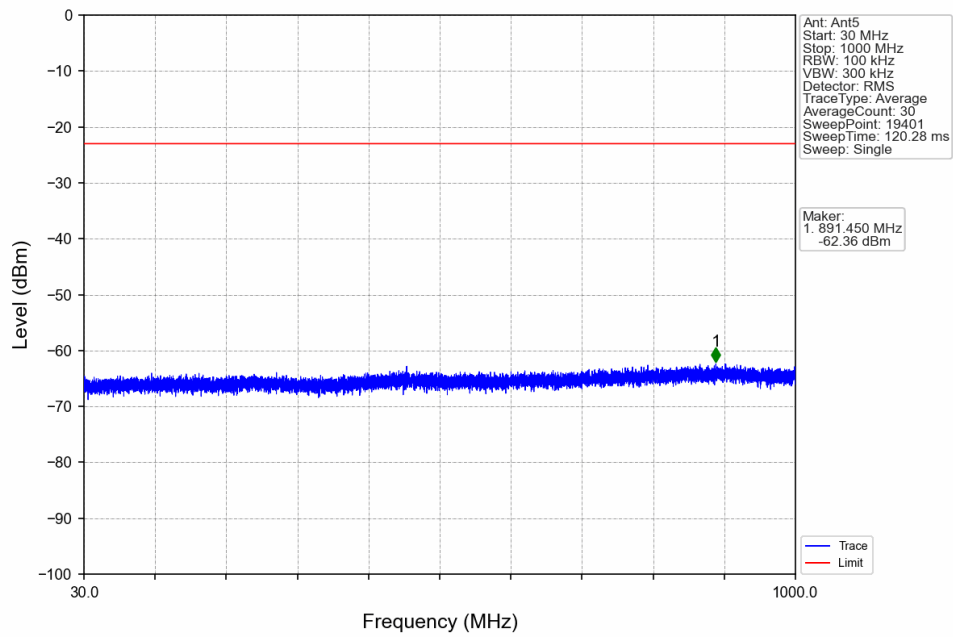
n78e\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM\_QPSK\_3485.01MHz\_Edge\_1RB\_Left



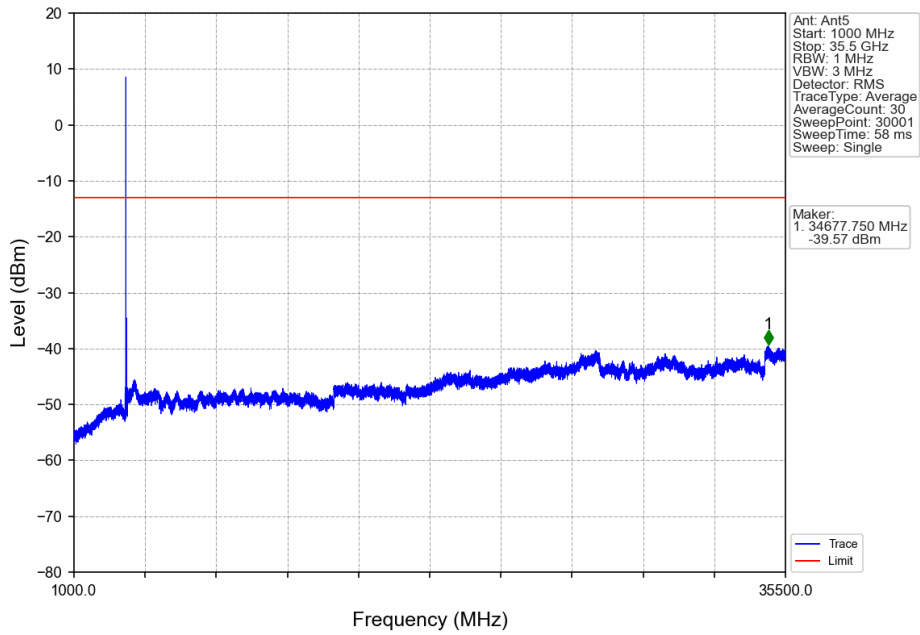
n78e\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM\_QPSK\_3485.01MHz\_Edge\_1RB\_Left



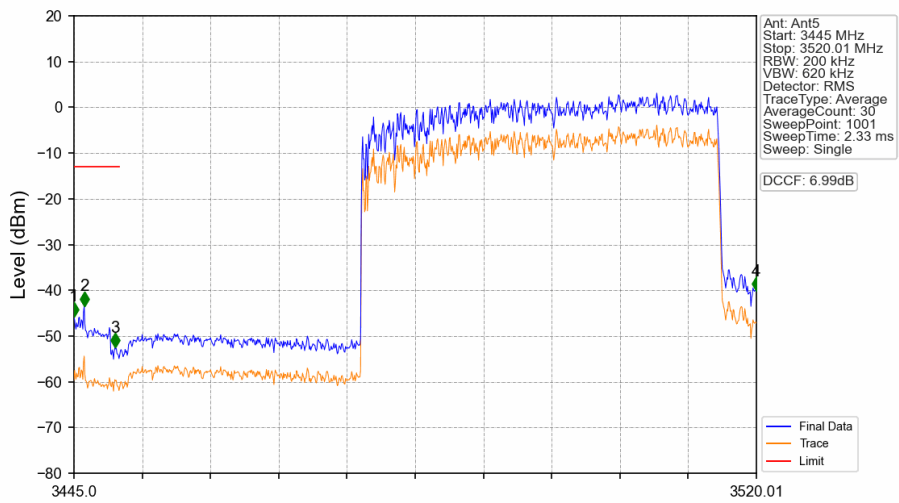
n78e\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM\_QPSK\_3485.01MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM\_QPSK\_3485.01MHz\_Edge\_1RB\_Left

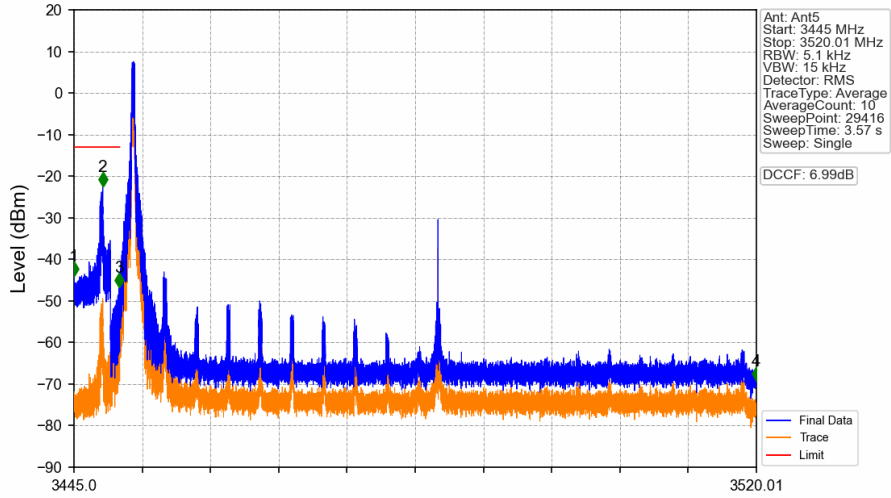


n78e\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM\_QPSK\_3485.01MHz\_Outer\_Full



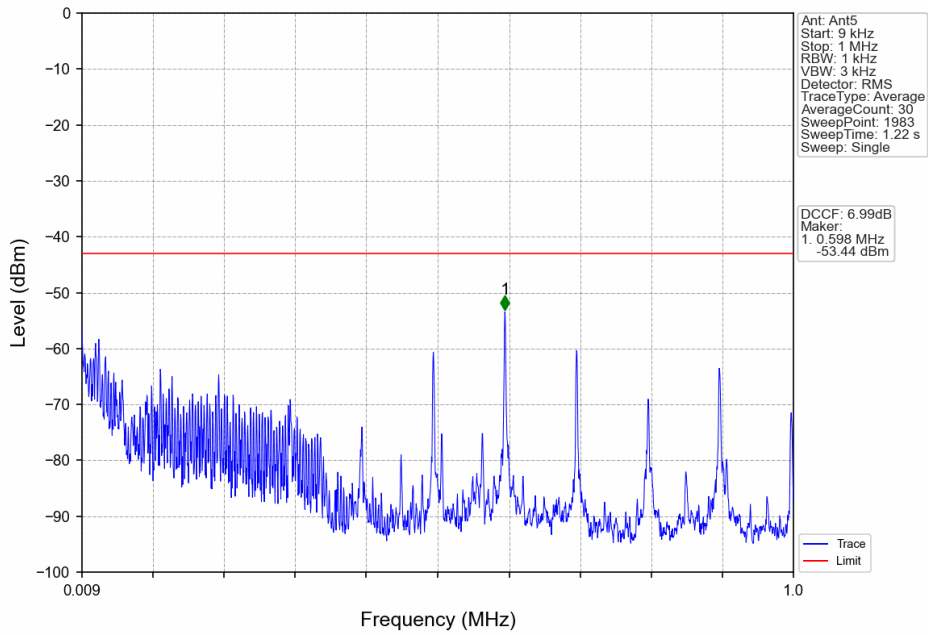
| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3445        | 3445.01    | 1         | 6.99           | 1          | 3445.000   | -45.73      | -13         | Pass   |
| 3445.01     | 3449.01    | 0.5       | 3.98           | 2          | 3446.125   | -43.41      | -13         | Pass   |
| 3449.01     | 3450.01    | 0.2       | 0              | 3          | 3449.501   | -52.54      | -13         | Pass   |
| 3450.01     | 3520.01    | 0.2       | 0              | 4          | 3520.010   | -40.21      | -13         | Pass   |

n78e\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM\_QPSK\_3485.01MHz\_Inner\_1RB\_Left

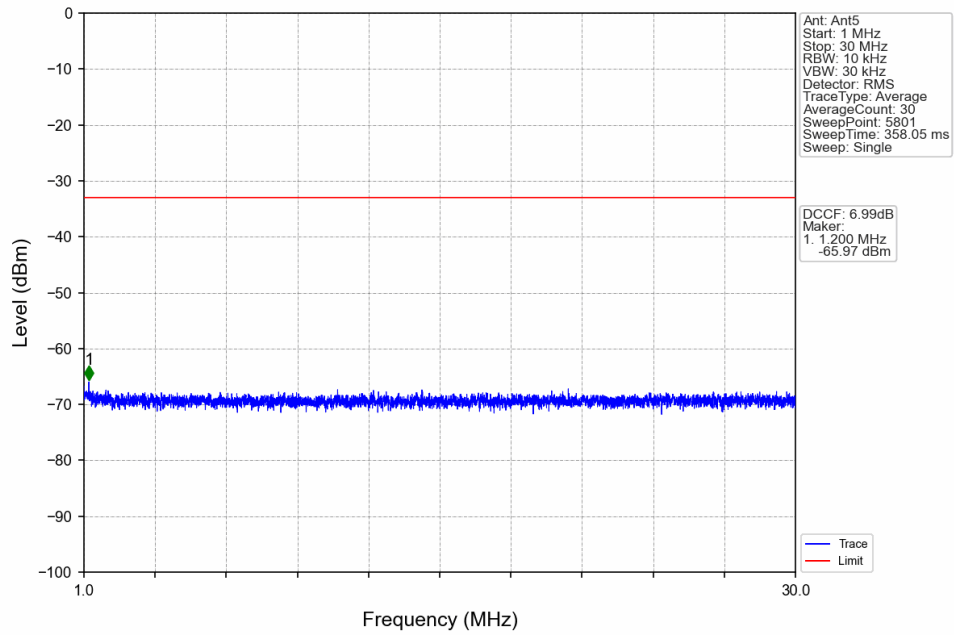


| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3445        | 3445.01    | 1         | 22.92          | 1          | 3445.005   | -43.98      | -13         | Pass   |
| 3445.01     | 3449.01    | 0.5       | 19.91          | 2          | 3448.157   | -22.48      | -13         | Pass   |
| 3449.01     | 3450.01    | 0.0051    | 0              | 3          | 3449.962   | -46.79      | -13         | Pass   |
| 3450.01     | 3520.01    | 0.0051    | 0              | 4          | 3520.010   | -69.22      | -13         | Pass   |

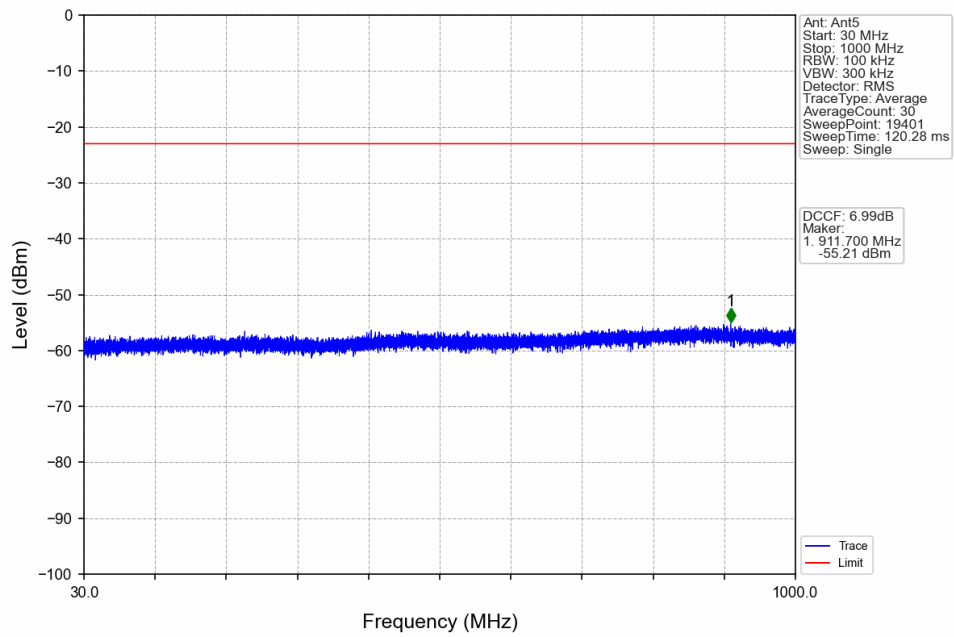
n78e\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left

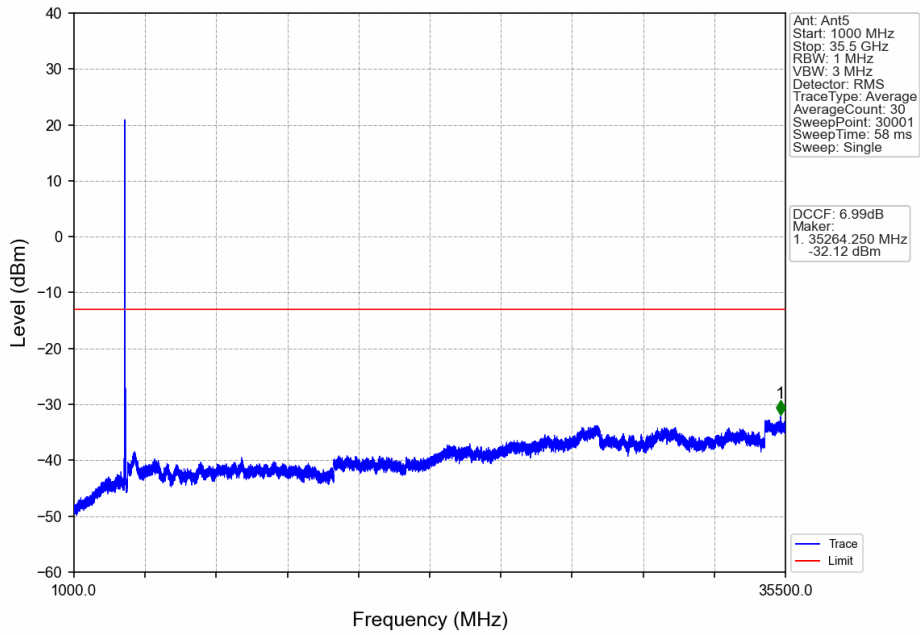


n78e\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left

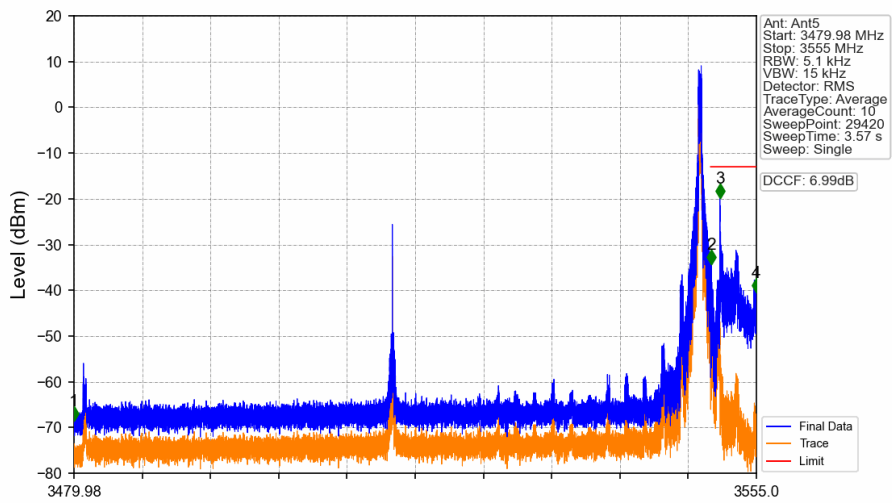




n78e\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left

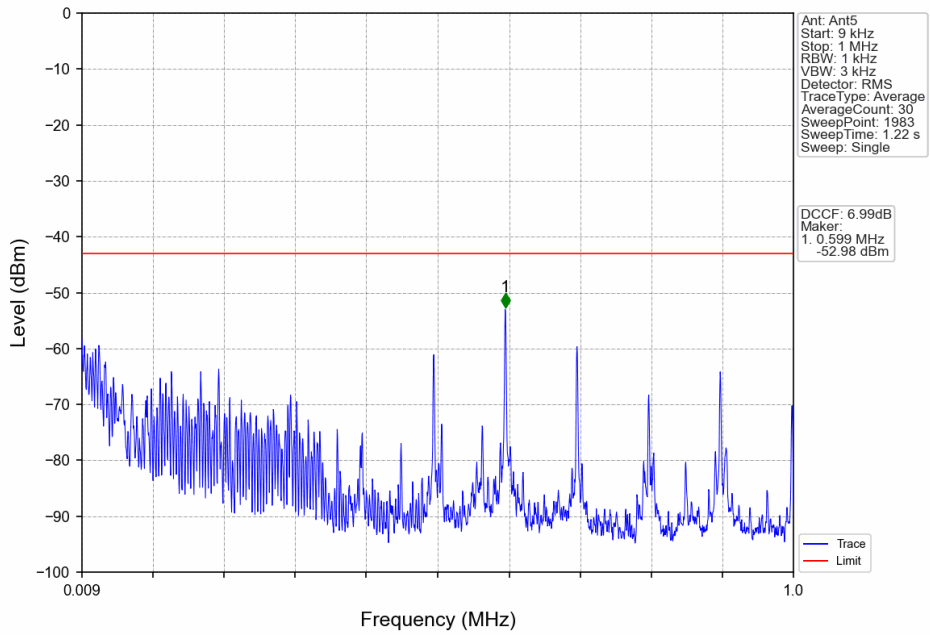


n78e\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM\_QPSK\_3514.98MHz\_Edge\_1RB\_Right

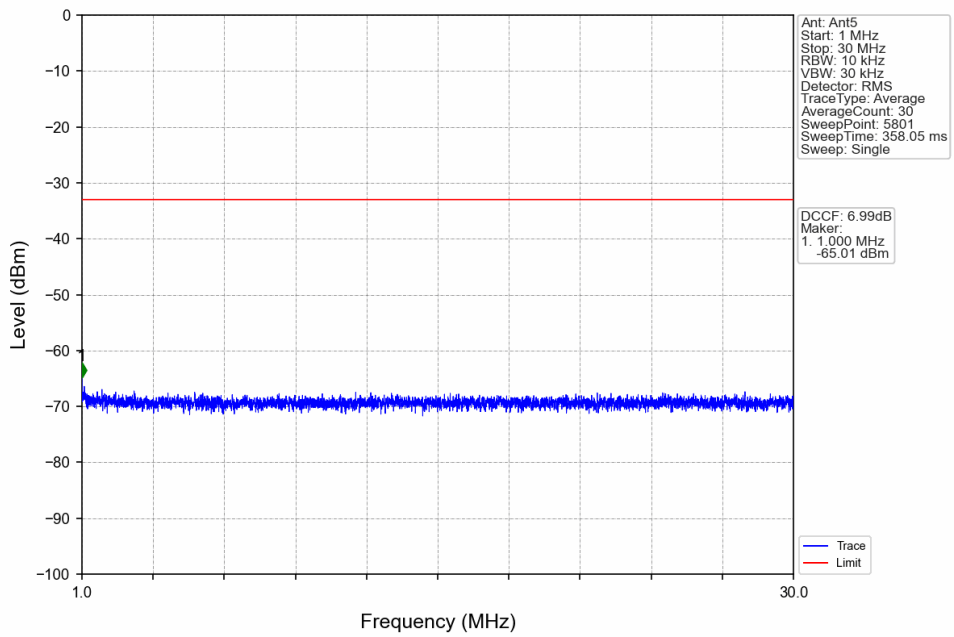


| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3479.98     | 3549.98    | 0.0051    | 0              | 1          | 3479.980   | -68.53      | -13         | Pass   |
| 3549.98     | 3549.98    | 0.0051    | 0              | /          | /          | /           | /           | /      |
| 3549.98     | 3550.98    | 0.0051    | 0              | 2          | 3550.020   | -34.34      | -13         | Pass   |
| 3550.98     | 3554.98    | 0.5       | 19.91          | 3          | 3550.986   | -19.93      | -13         | Pass   |
| 3554.98     | 3555       | 1         | 22.92          | 4          | 3554.997   | -40.49      | -13         | Pass   |

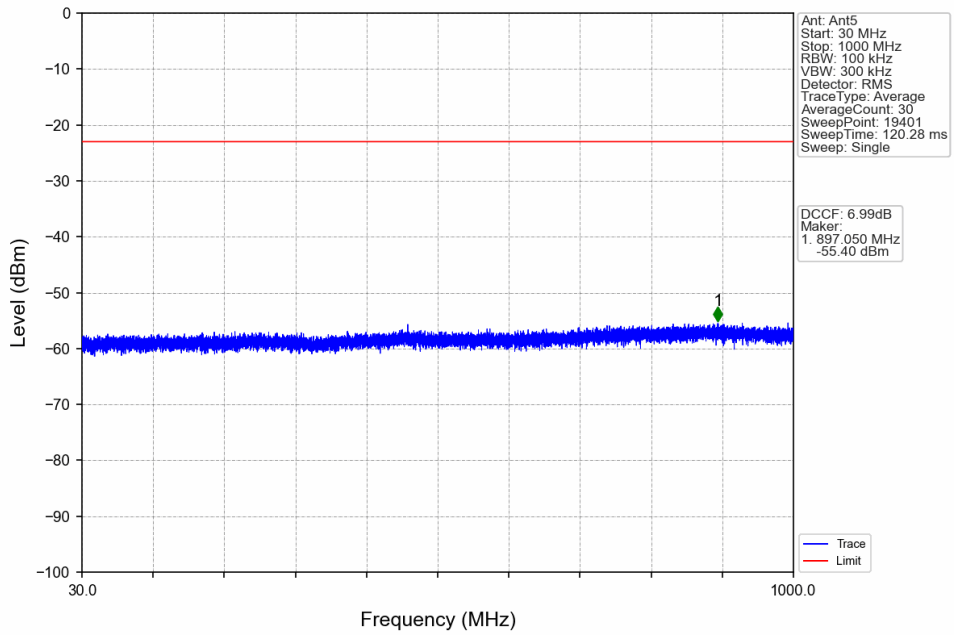
n78e\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM QPSK\_3514.98MHz\_Edge\_1RB\_Right



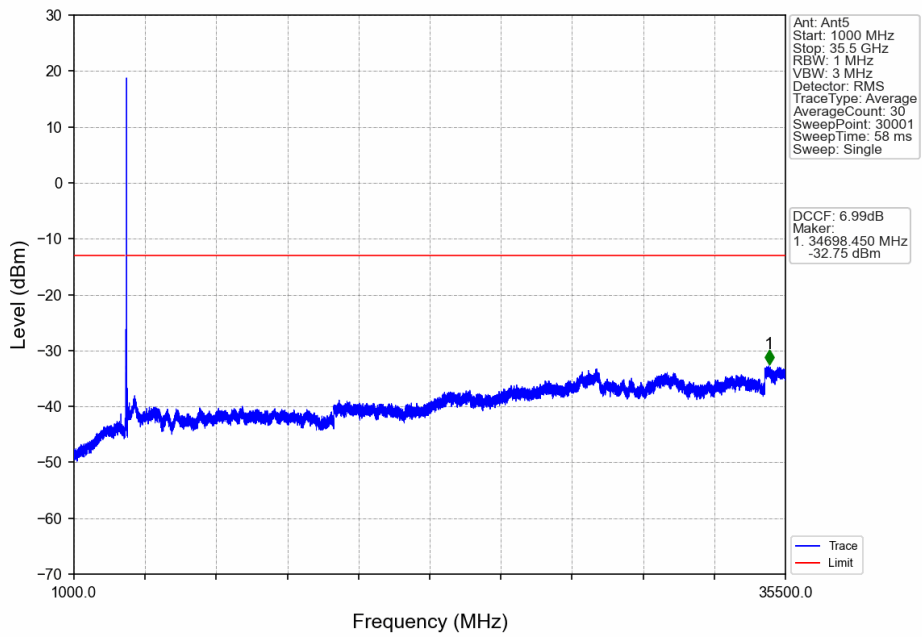
n78e\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM QPSK\_3514.98MHz\_Edge\_1RB\_Right



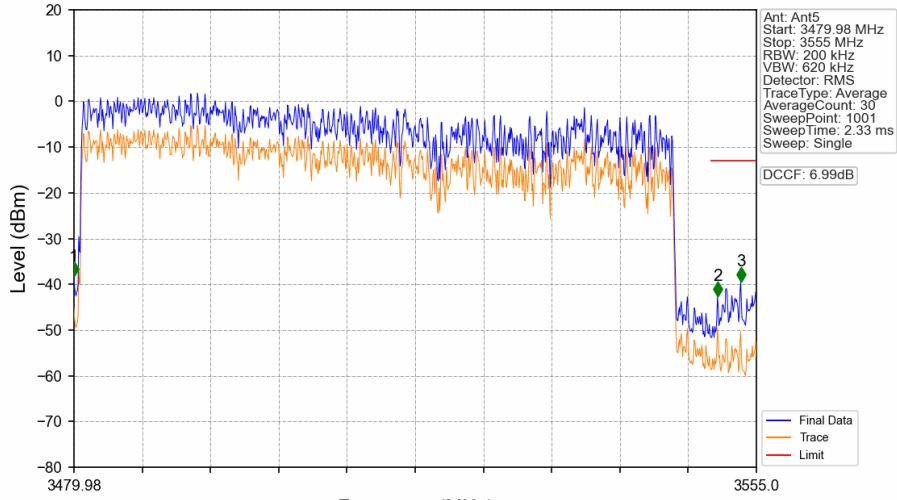
n78e\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM QPSK\_3514.98MHz\_Edge\_1RB\_Right



n78e\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM QPSK\_3514.98MHz\_Edge\_1RB\_Right

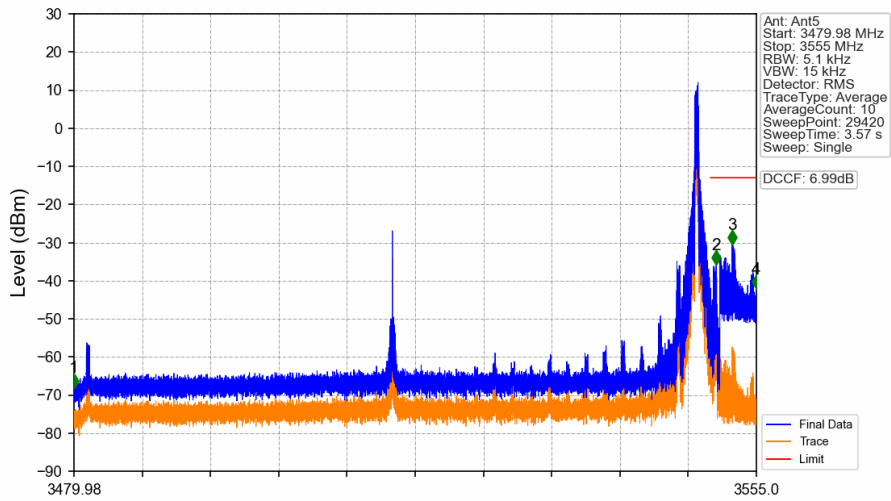


n78e\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM QPSK 3514.98MHz\_Outer\_Full



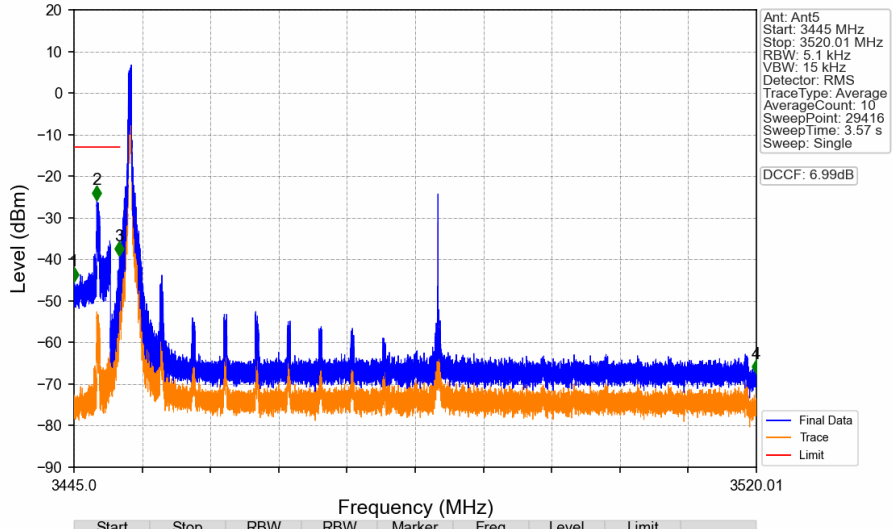
| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3479.98     | 3549.98    | 0.2       | 0              | 1          | 3479.980   | -38.17      | -13         | Pass   |
| 3549.98     | 3549.98    | 0.2       | 0              | /          | /          | /           | /           | /      |
| 3549.98     | 3550.98    | 0.2       | 0              | 2          | 3550.724   | -42.55      | -13         | Pass   |
| 3550.98     | 3554.98    | 0.5       | 3.98           | 3          | 3553.275   | -39.35      | -13         | Pass   |

n78e\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM QPSK 3514.98MHz\_Inner\_1RB\_Right



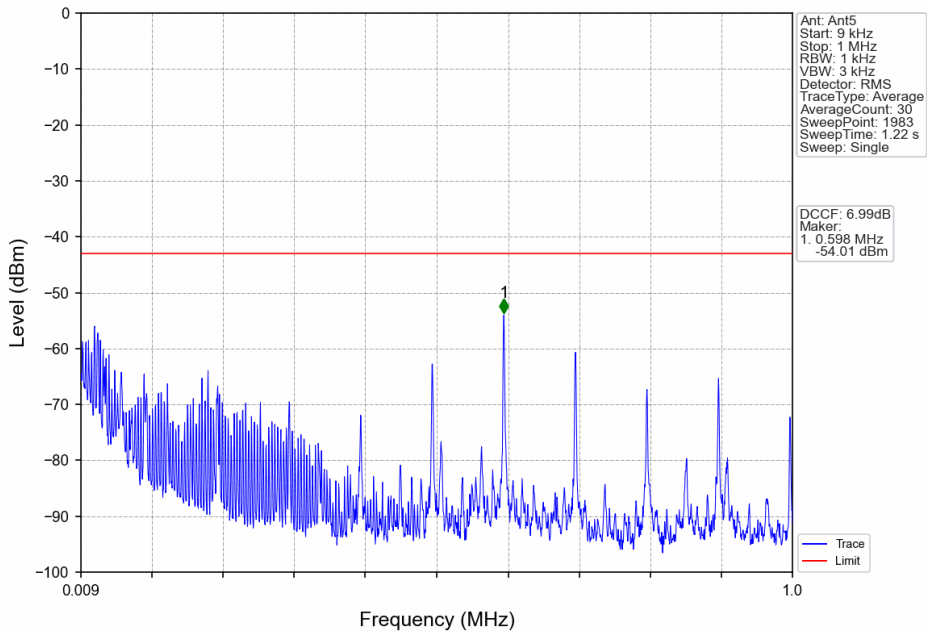
| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3479.98     | 3549.98    | 0.0051    | 0              | 1          | 3479.980   | -68.12      | -13         | Pass   |
| 3549.98     | 3549.98    | 0.0051    | 0              | /          | /          | /           | /           | /      |
| 3549.98     | 3550.98    | 0.0051    | 0              | 2          | 3550.578   | -35.78      | -13         | Pass   |
| 3550.98     | 3554.98    | 0.5       | 19.91          | 3          | 3552.345   | -30.51      | -13         | Pass   |
| 3554.98     | 3555       | 1         | 22.92          | 4          | 3554.997   | -42.20      | -13         | Pass   |

n78e\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM\_QPSK\_3485.01MHz\_Edge\_1RB\_Left

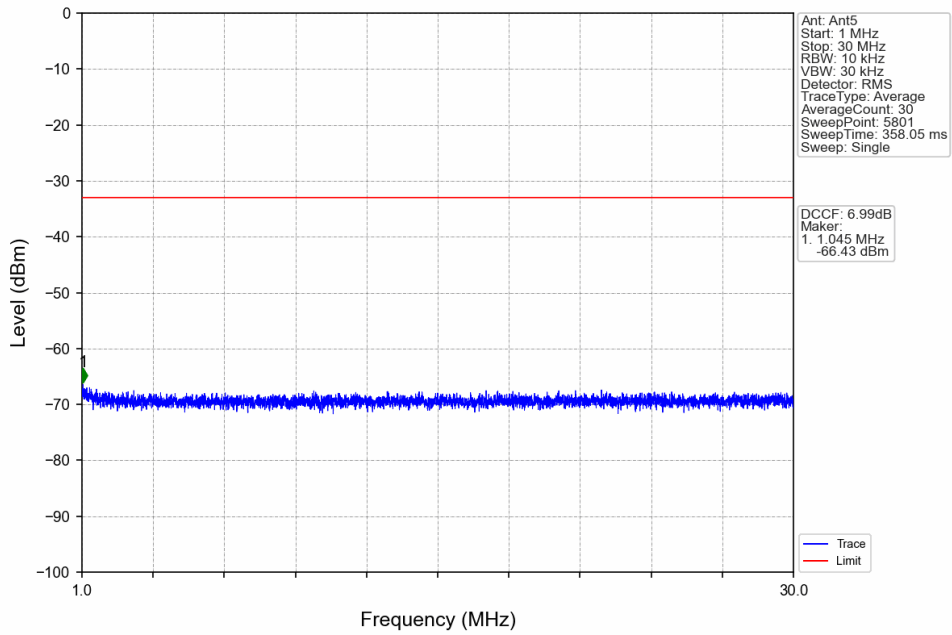


| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3445        | 3445.01    | 1         | 22.92          | 1          | 3445.005   | -45.31      | -13         | Pass   |
| 3445.01     | 3449.01    | 0.5       | 19.91          | 2          | 3447.514   | -25.69      | -13         | Pass   |
| 3449.01     | 3450.01    | 0.0051    | 0              | 3          | 3449.998   | -39.26      | -13         | Pass   |
| 3450.01     | 3520.01    | 0.0051    | 0              | 4          | 3520.010   | -67.50      | -13         | Pass   |

n78e\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM\_QPSK\_3485.01MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM\_QPSK\_3485.01MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM\_QPSK\_3485.01MHz\_Edge\_1RB\_Left

