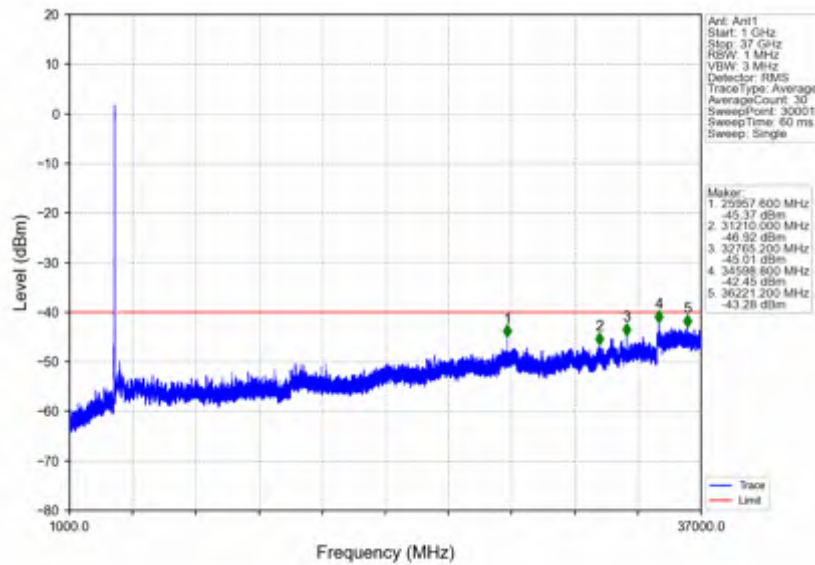
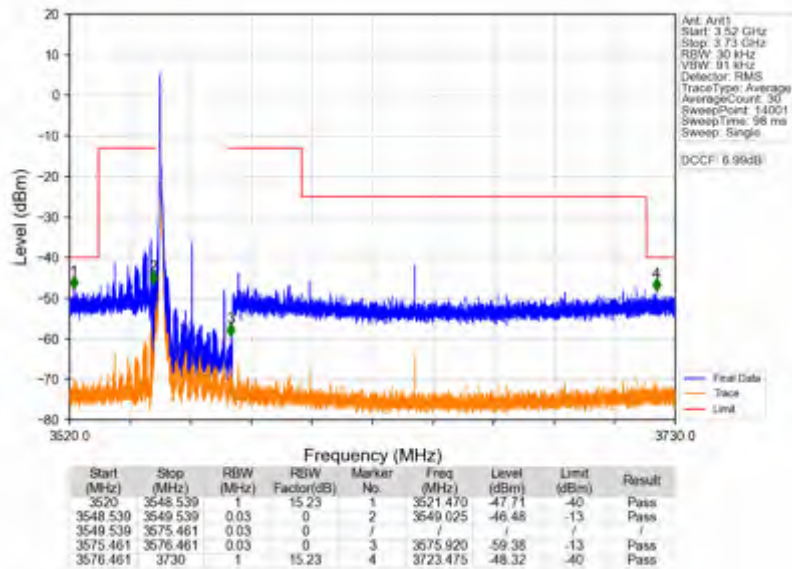


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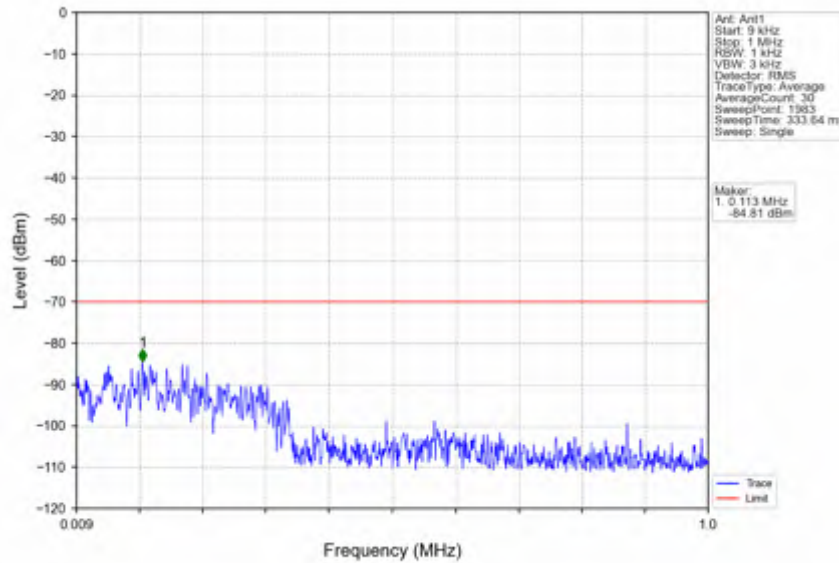


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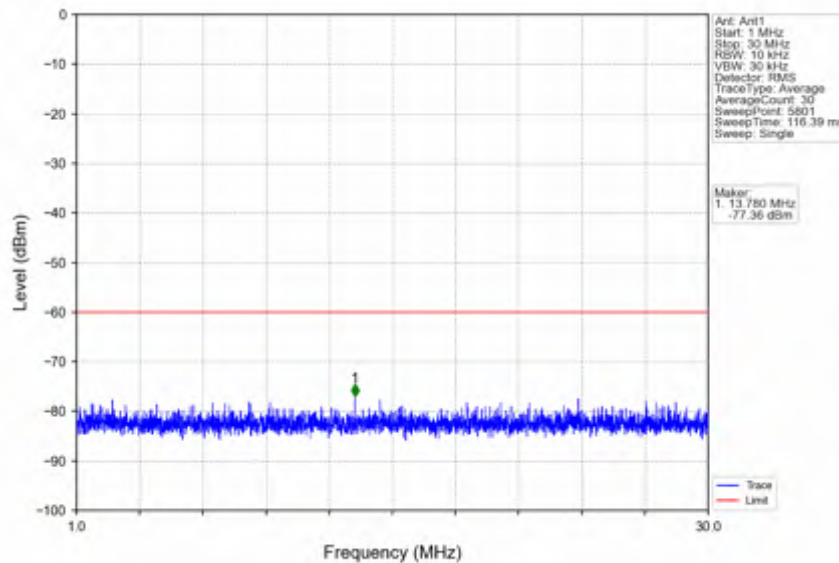
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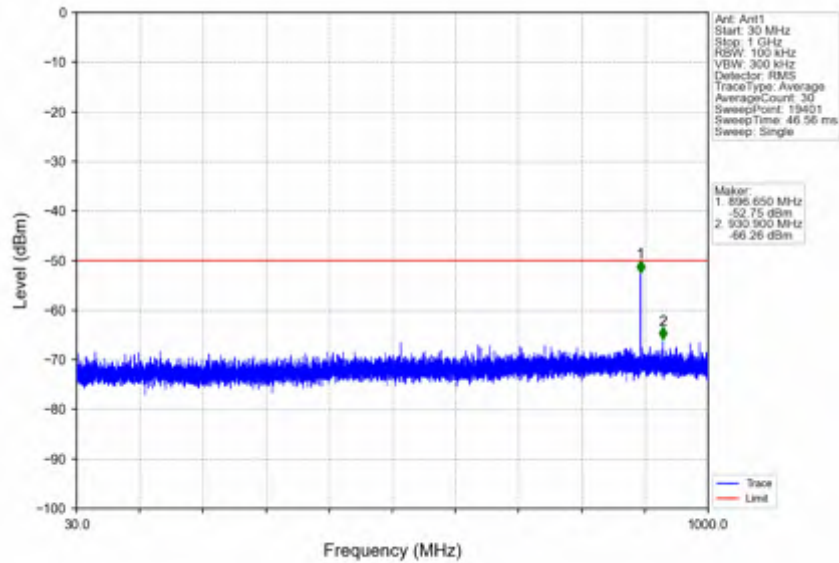
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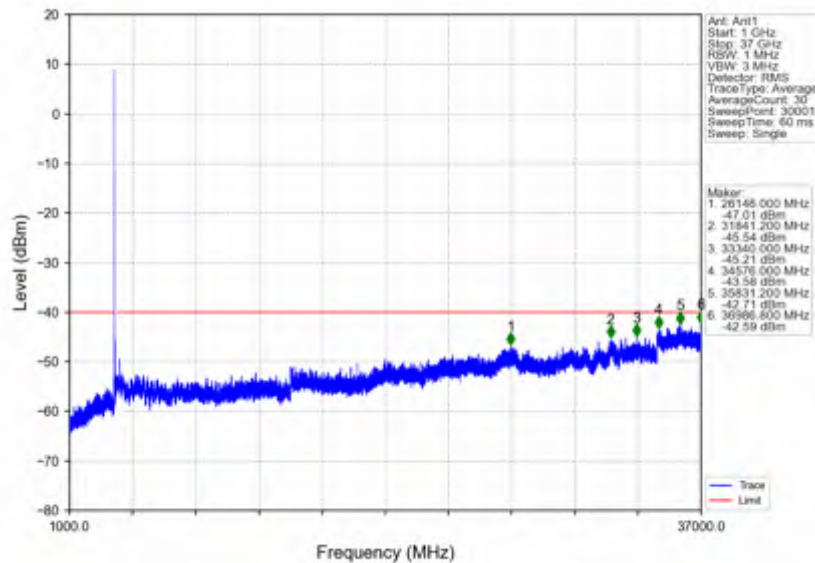
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n78d_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM QPSK_3562.5MHz_Inner_1RB_Left



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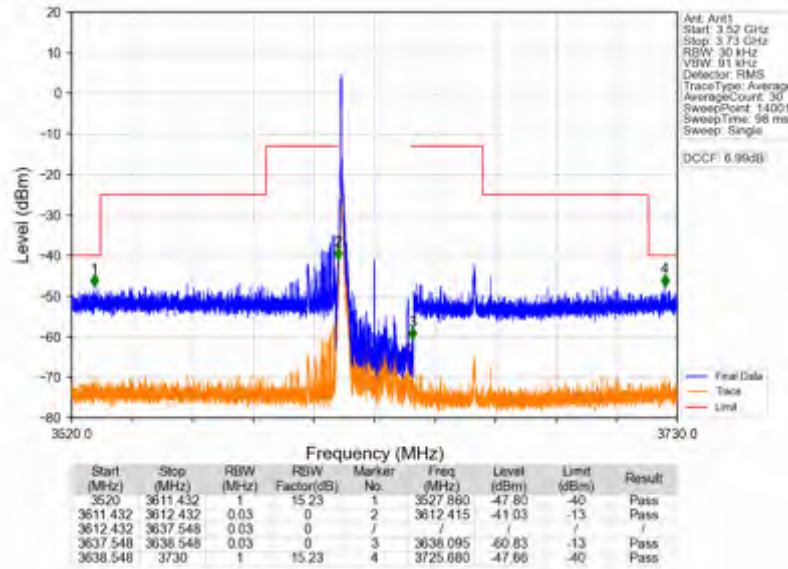
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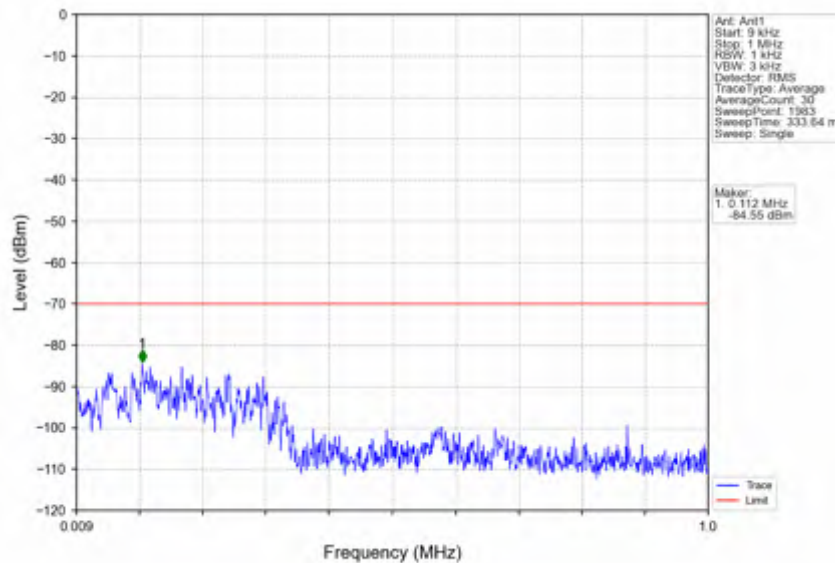
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n78d_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM QPSK_3624.99MHz_Edge_1RB_Left



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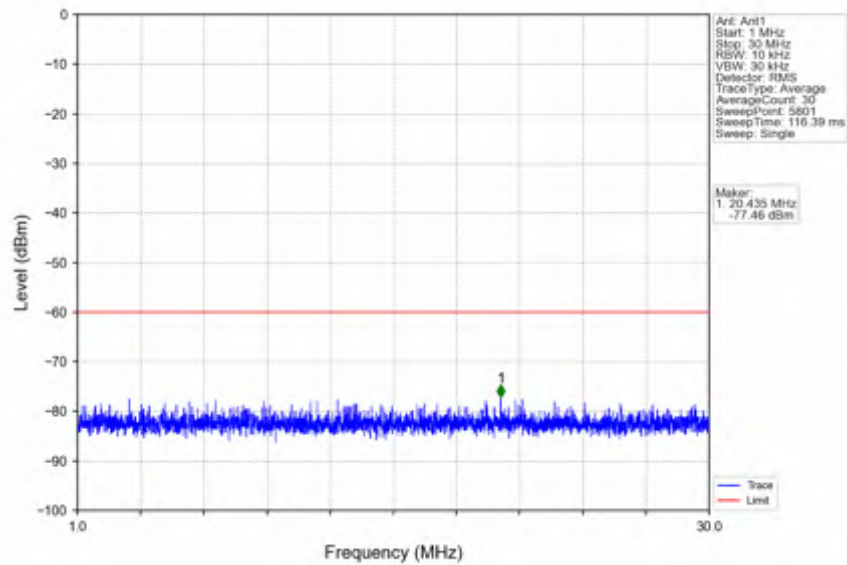


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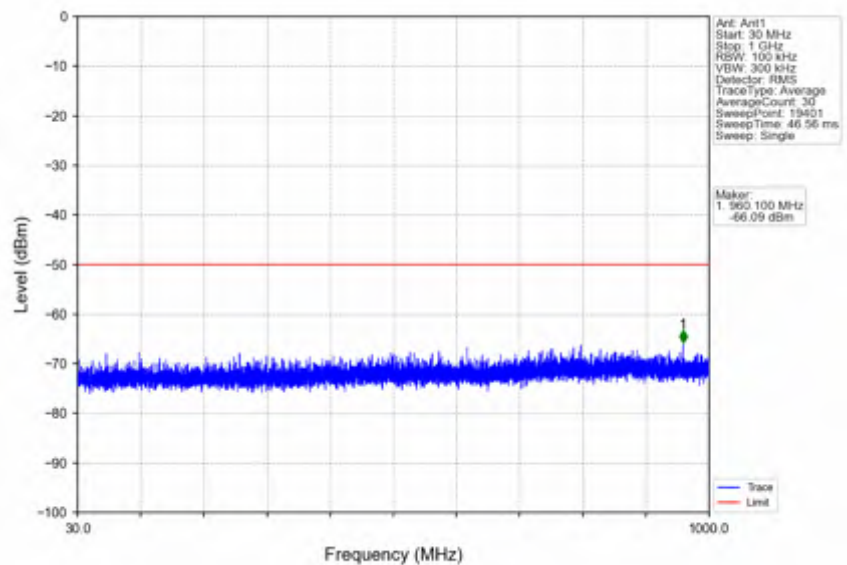
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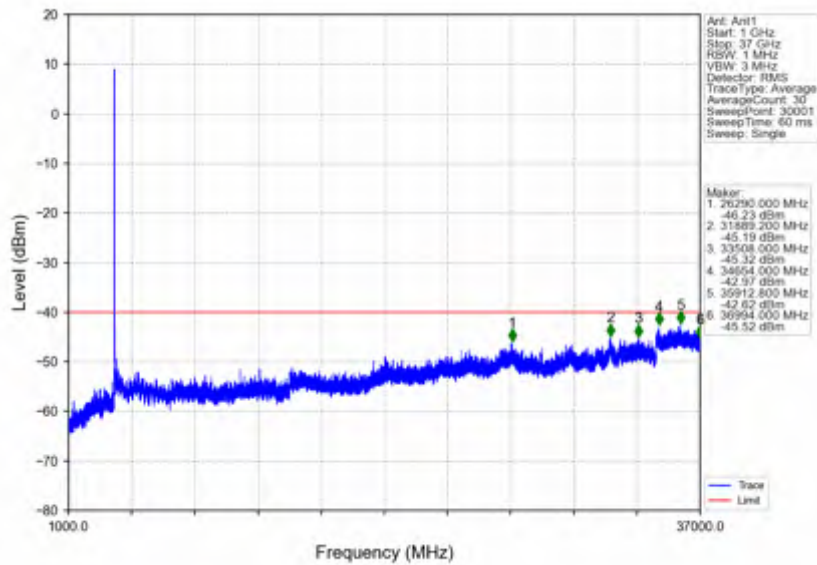
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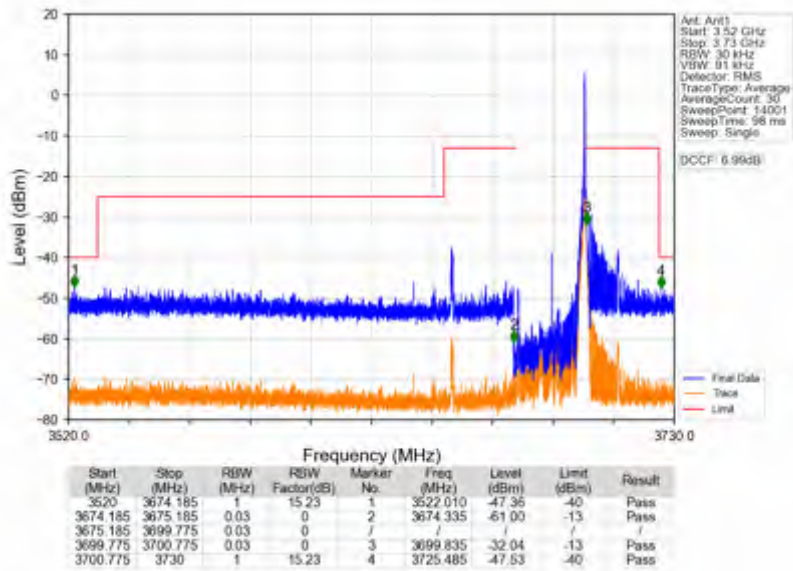
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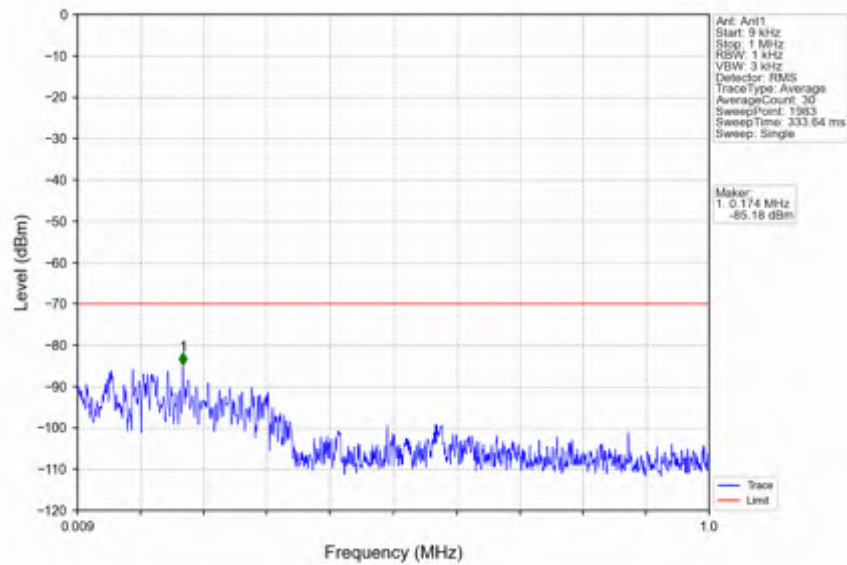
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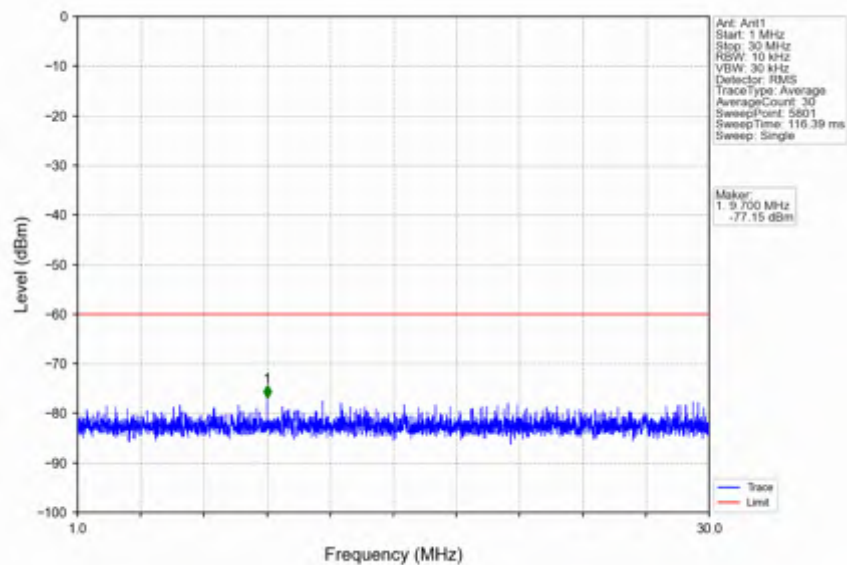
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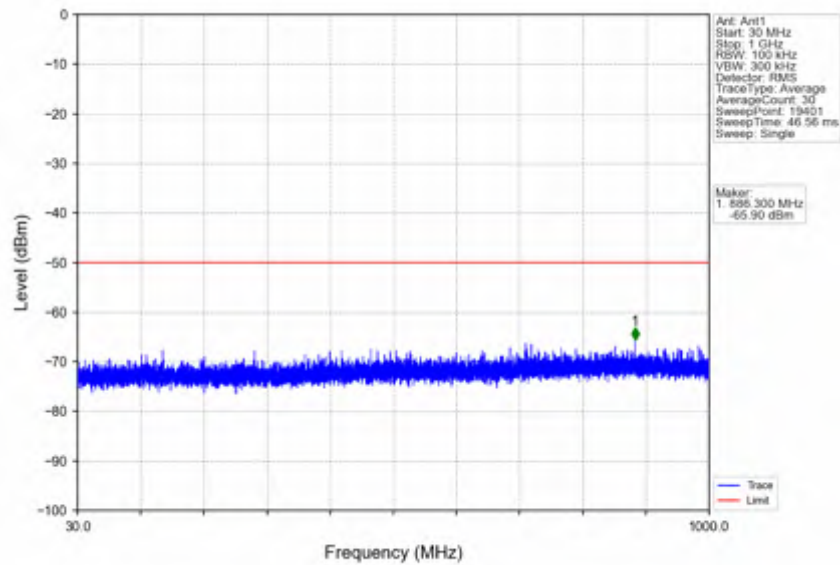
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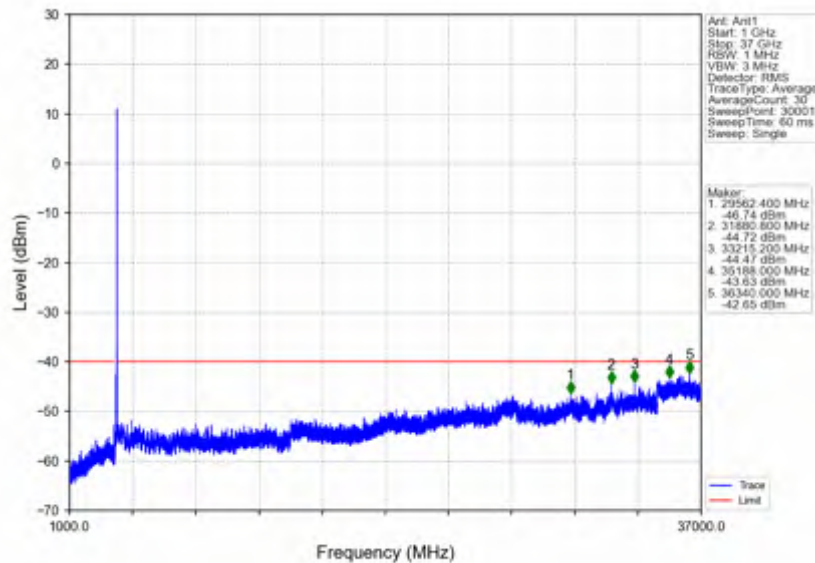
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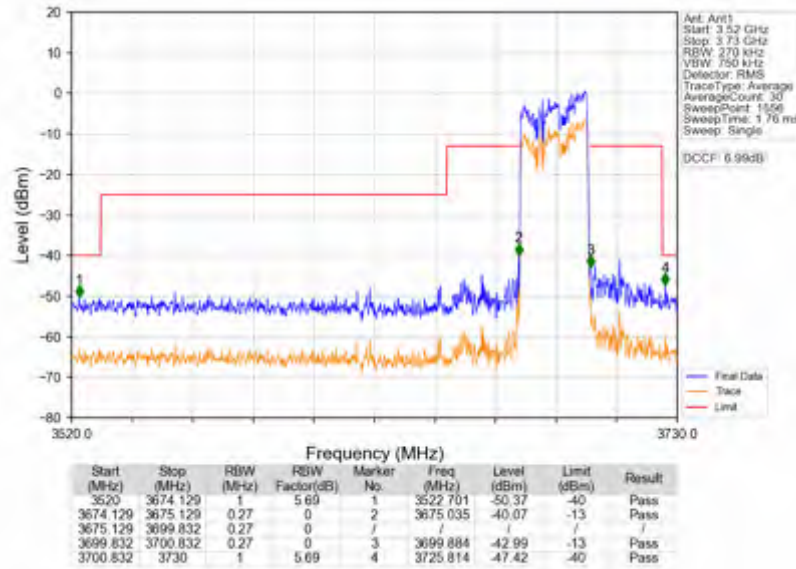
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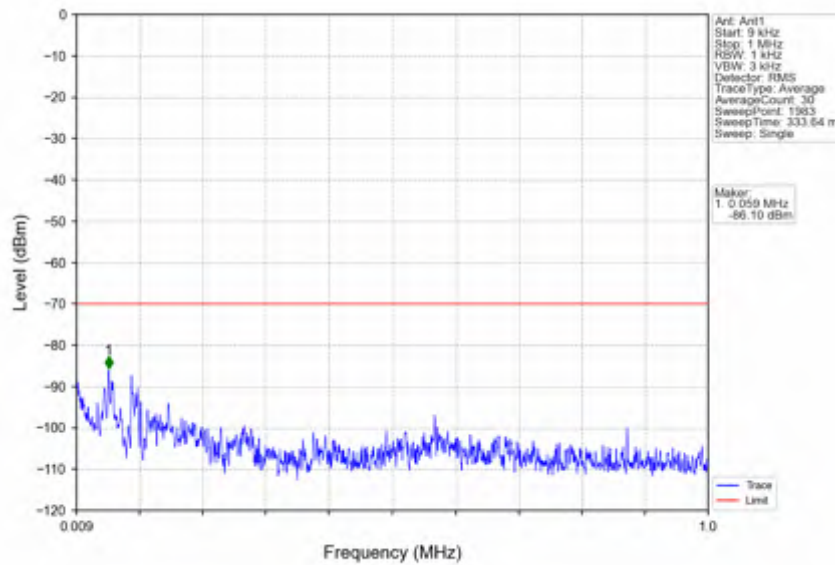
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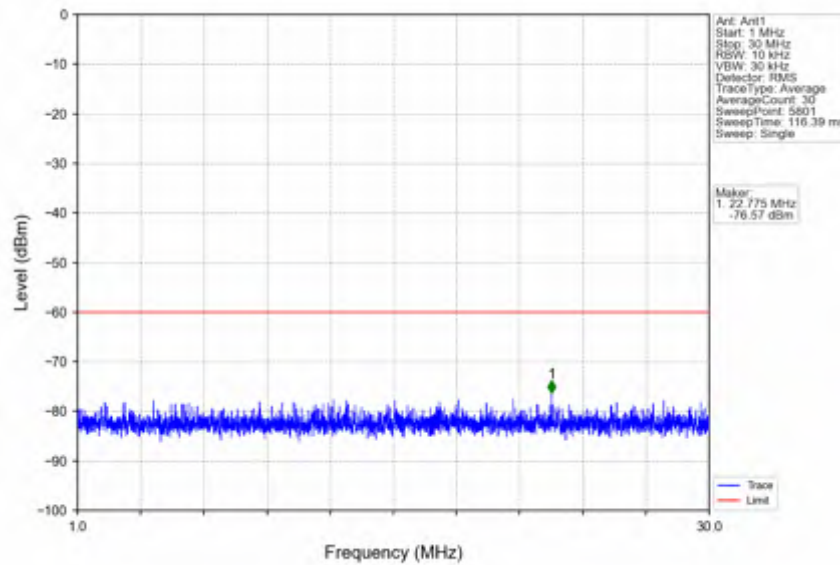


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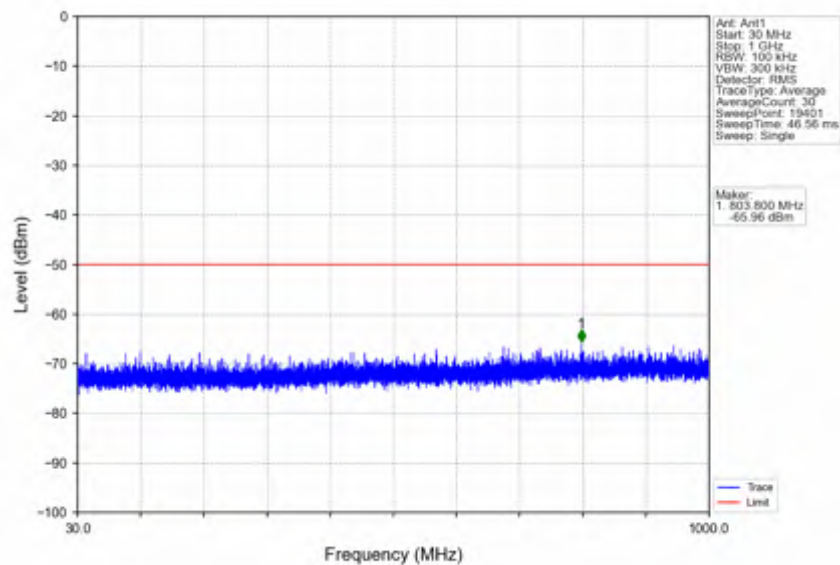
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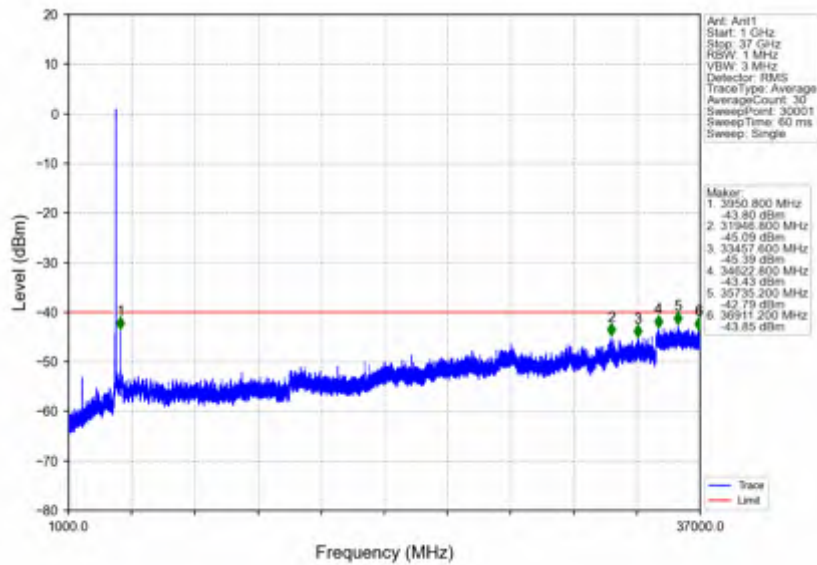
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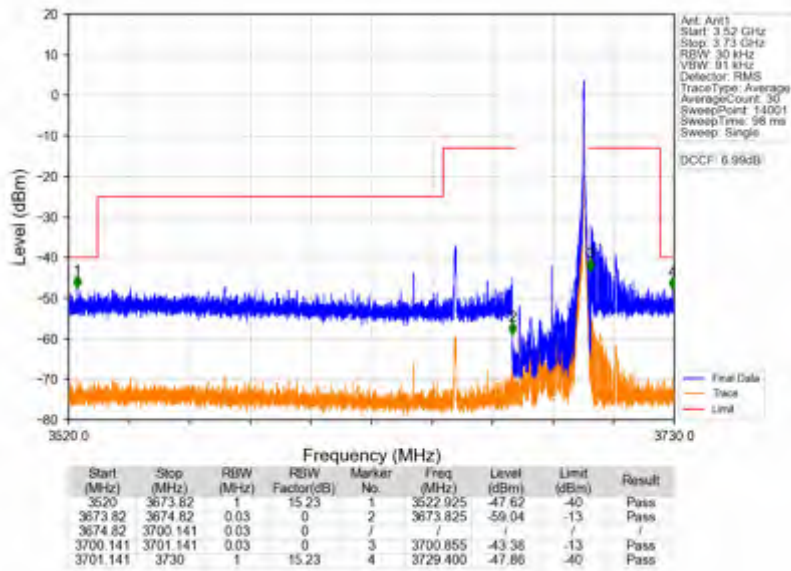
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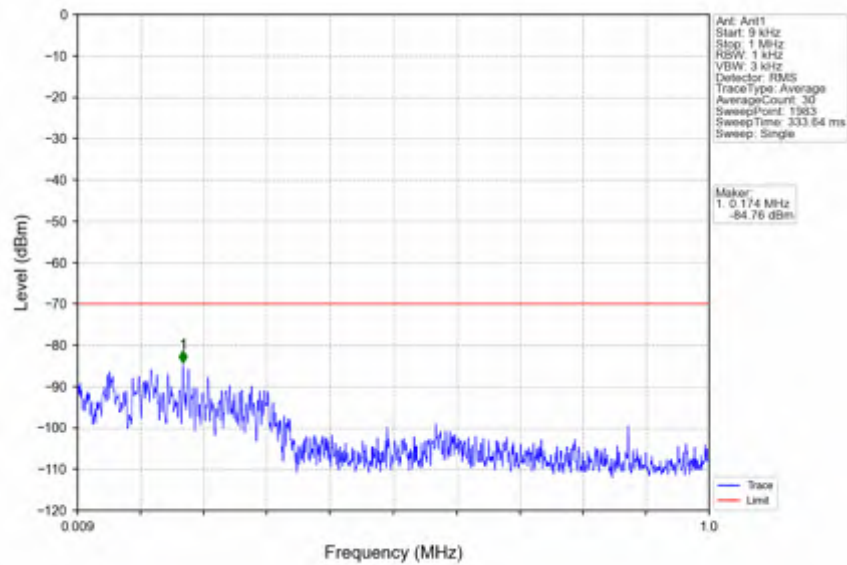


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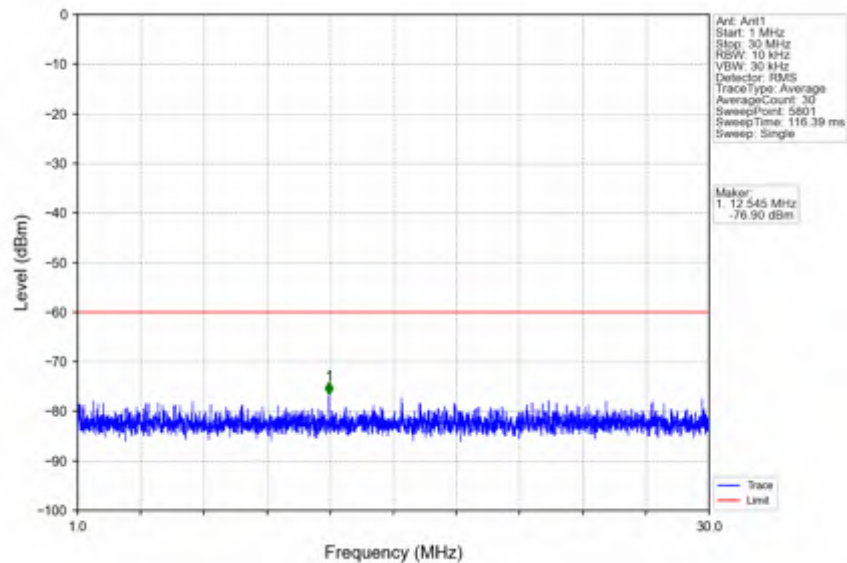
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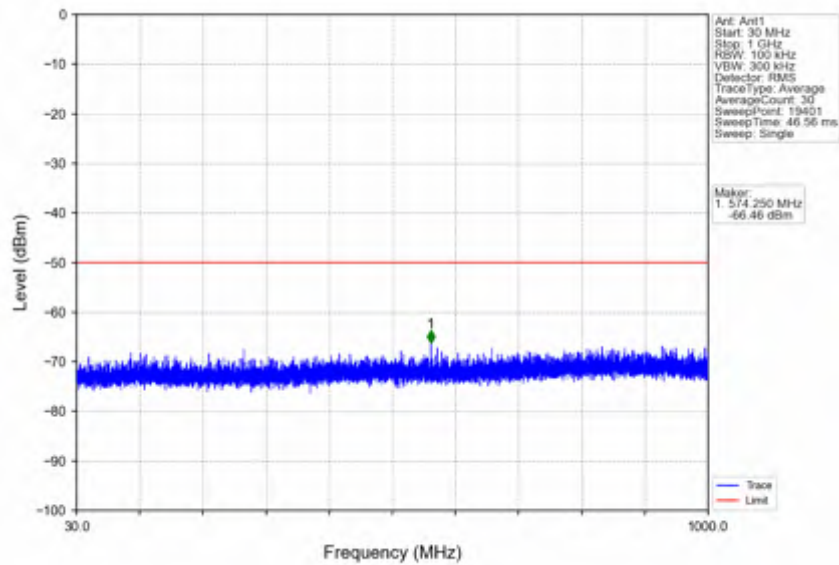
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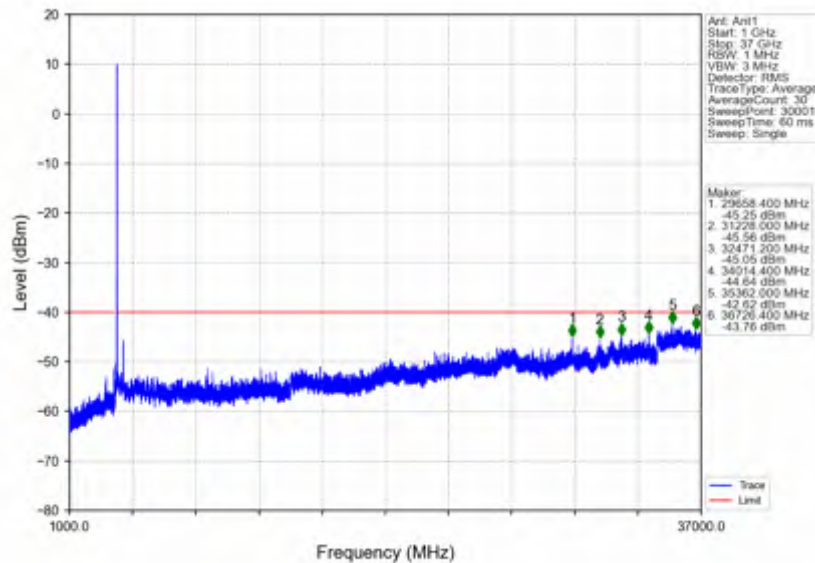
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n78d_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM QPSK_3687.48MHz_Inner_1RB_Right



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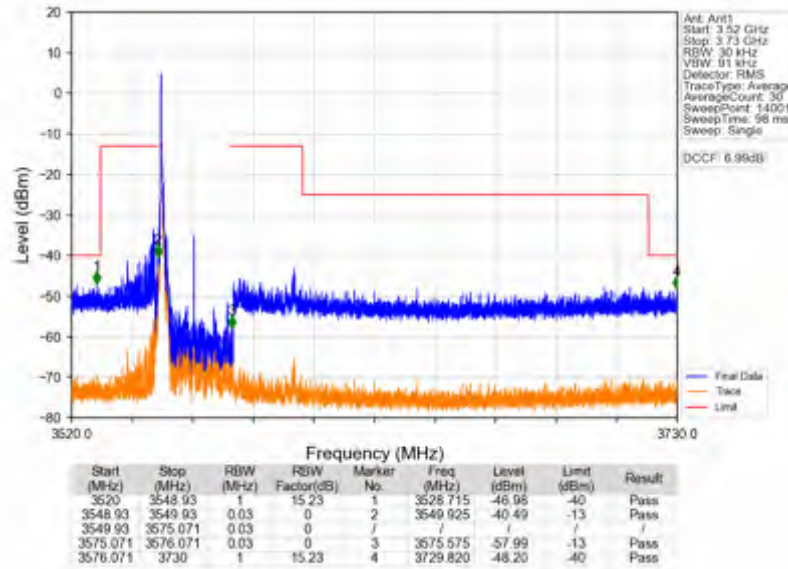


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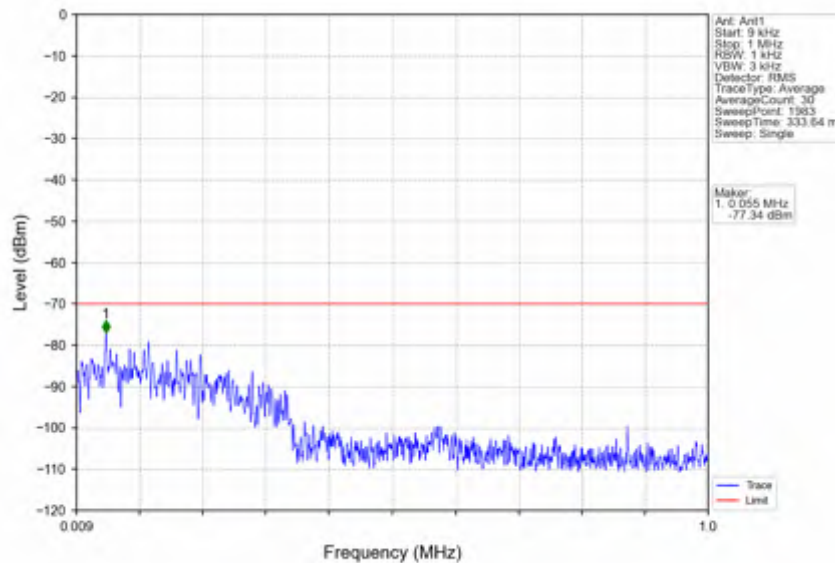
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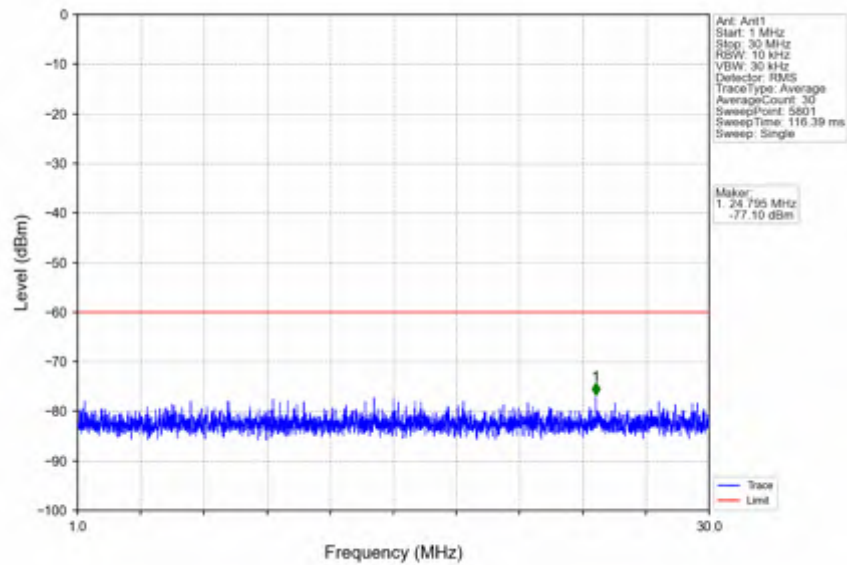


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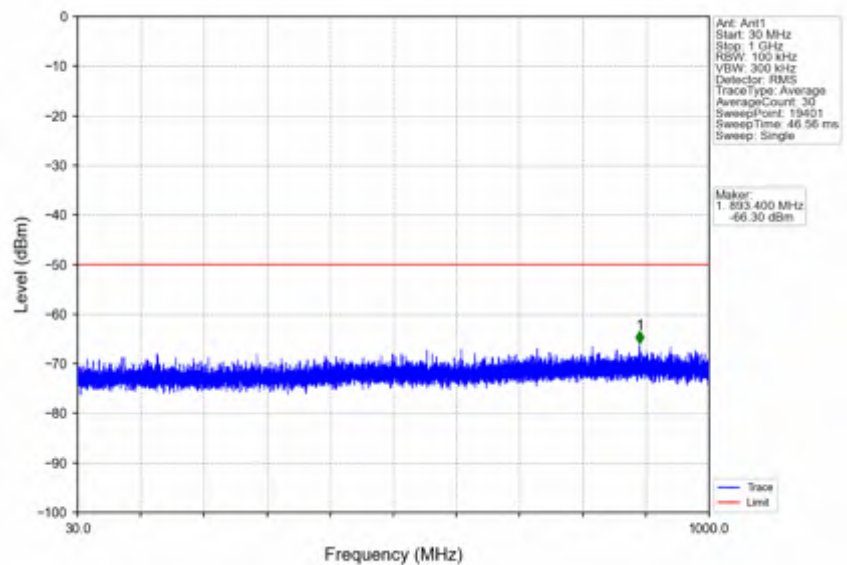
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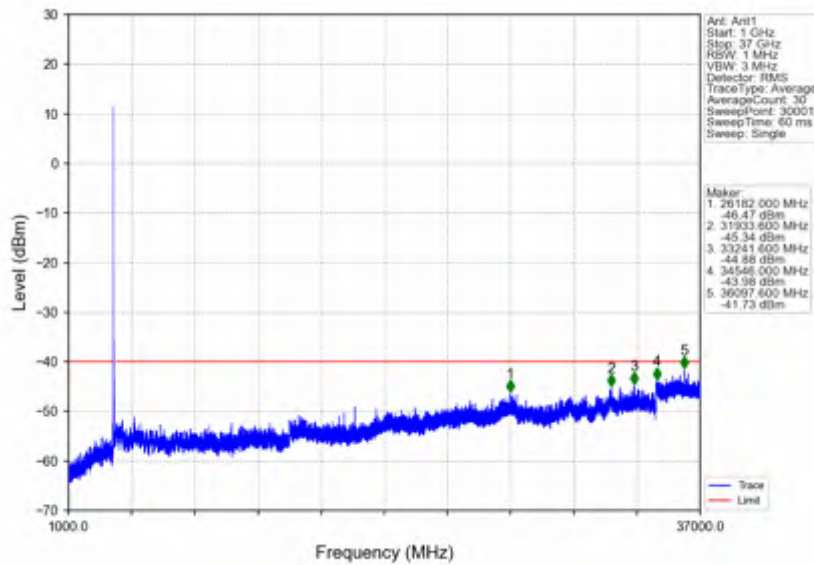
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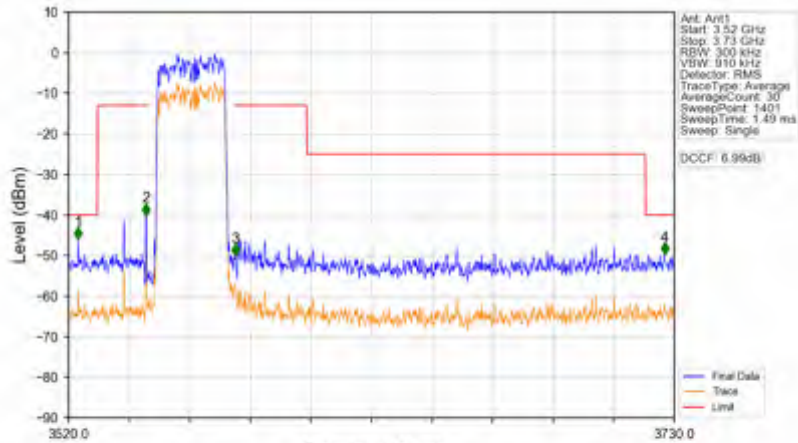
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n78d_30kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_3562.5MHz_Edge_1RB_Left



n78d_30kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_3562.5MHz_Outer_Full



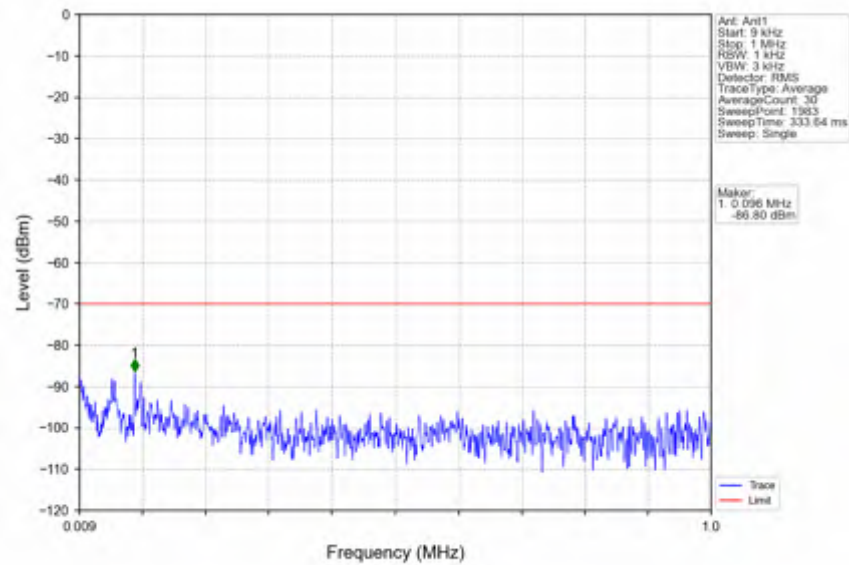
| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3520 | 3546.45 | 1 | 5.23 | 1 | 3523.300 | -46.13 | -40 | Pass |
| 3546.45 | 3547.45 | 0.301 | 0.01 | 2 | 3546.850 | -40.20 | -13 | Pass |
| 3547.45 | 3577.55 | 0.301 | 0.01 | 3 | 3577.900 | -50.13 | -13 | Pass |
| 3577.55 | 3578.55 | 0.301 | 0.01 | 4 | 3578.700 | -49.77 | -40 | Pass |



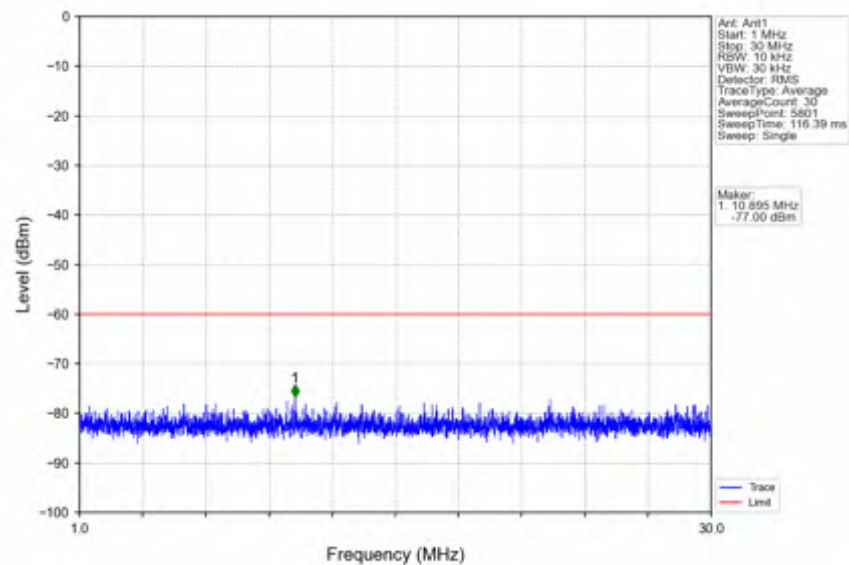
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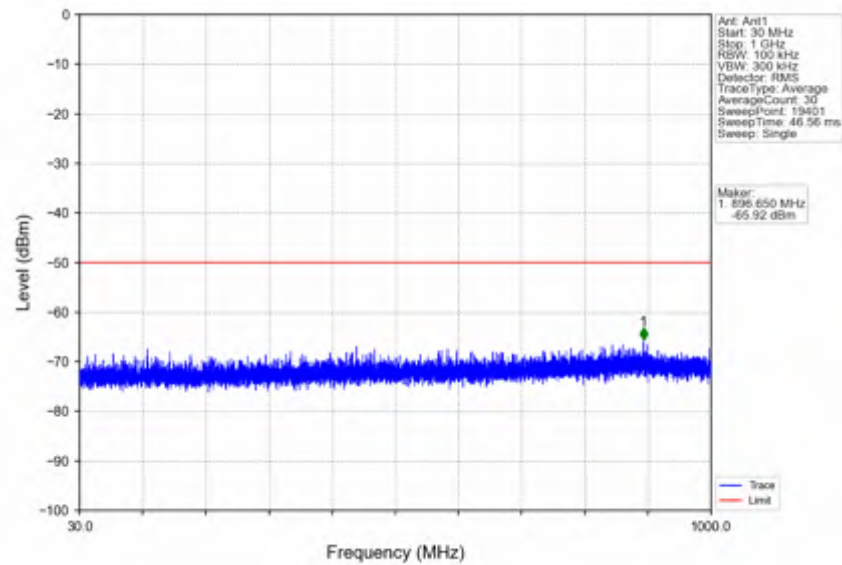


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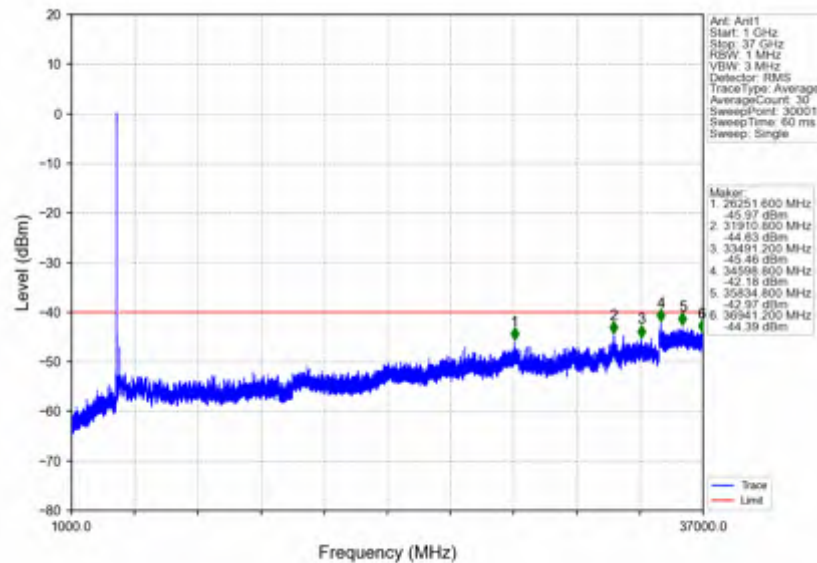
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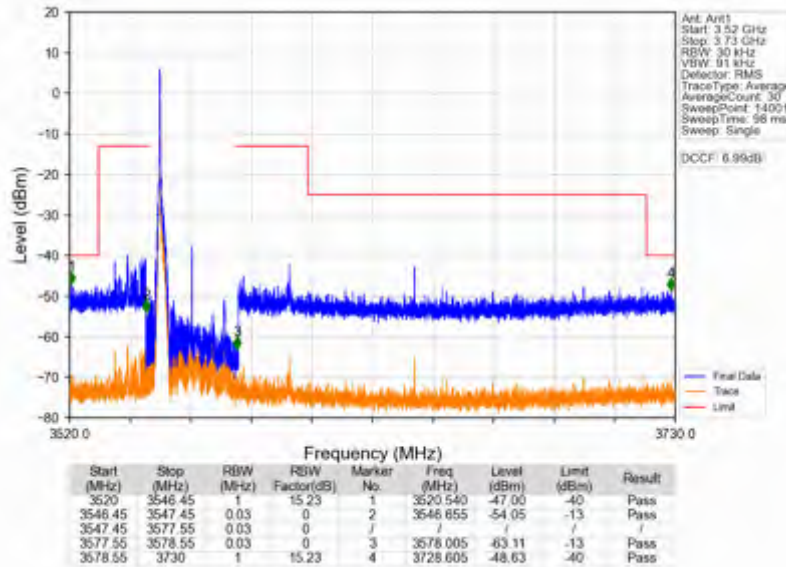
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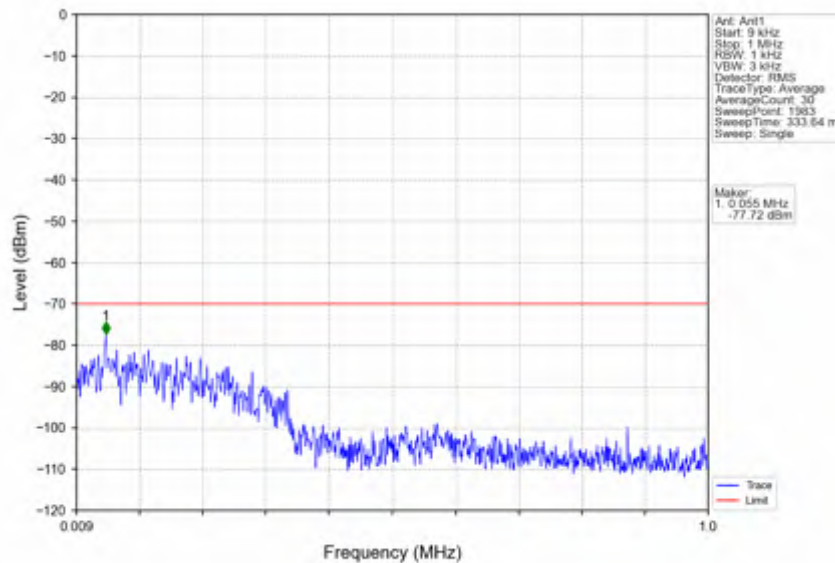
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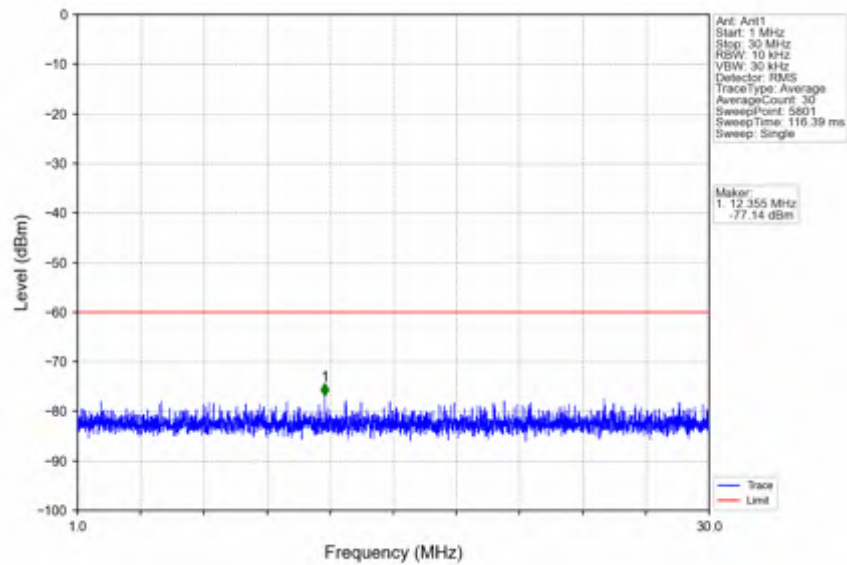


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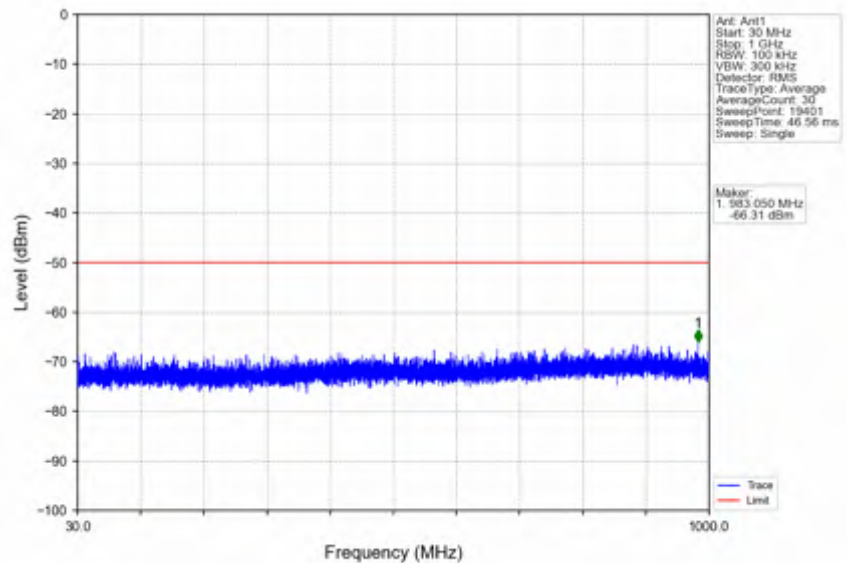
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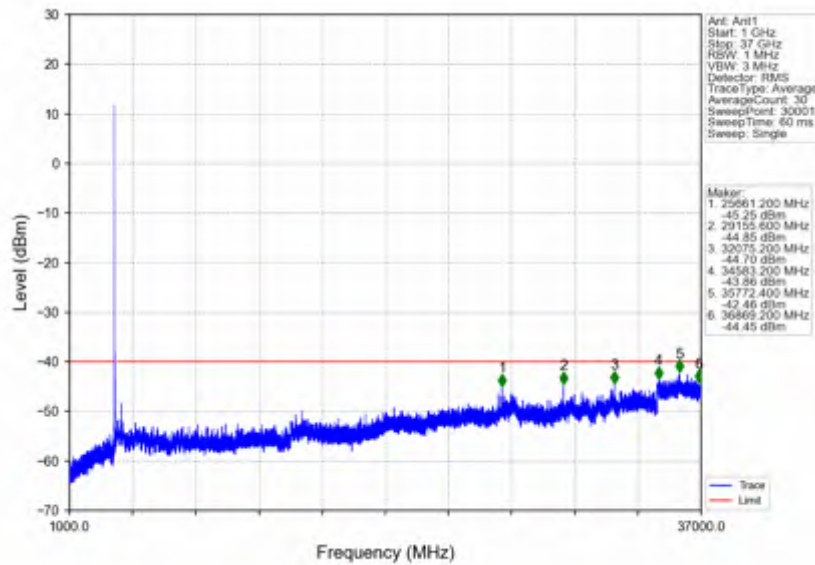
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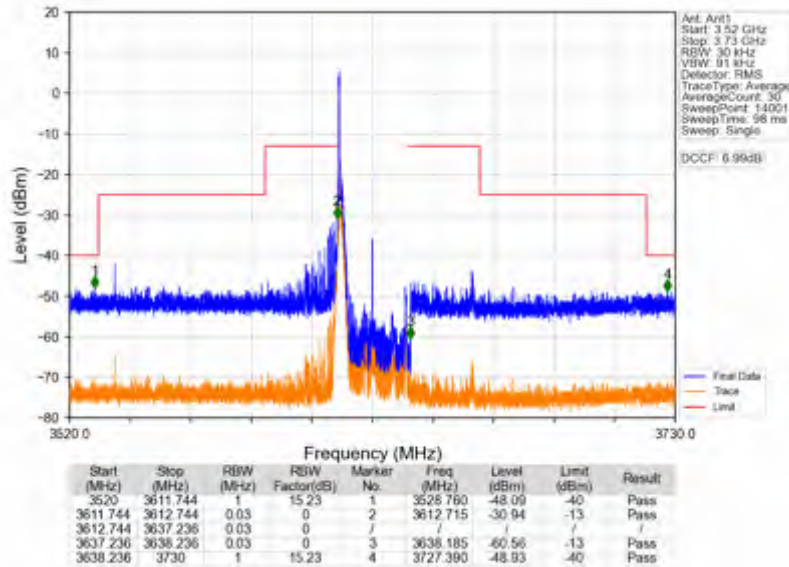
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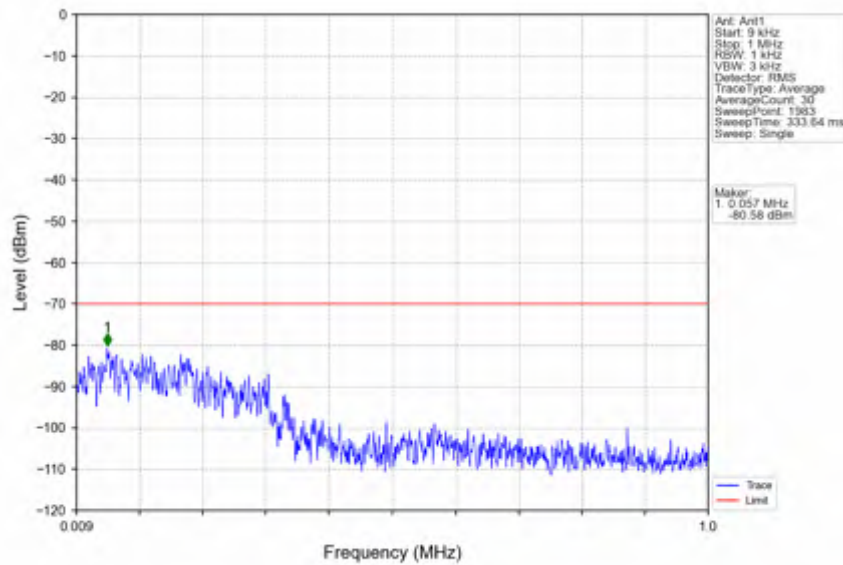
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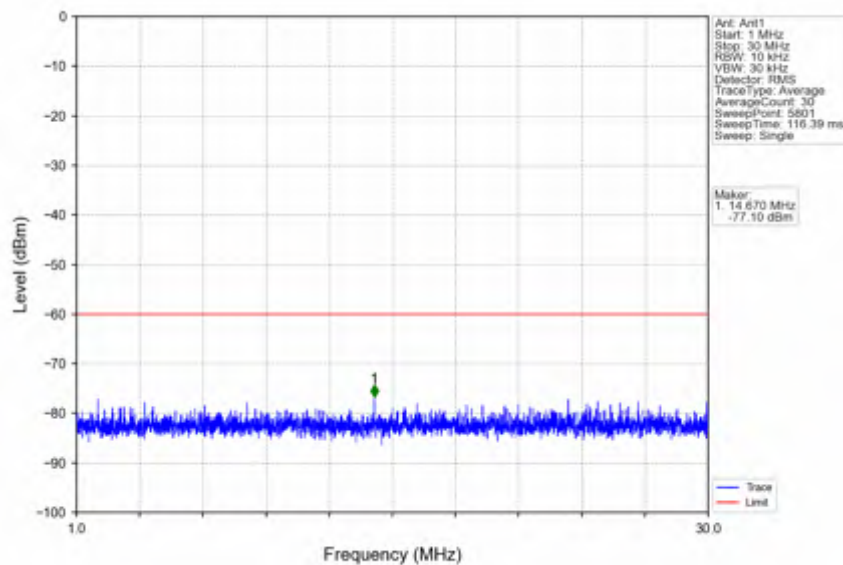
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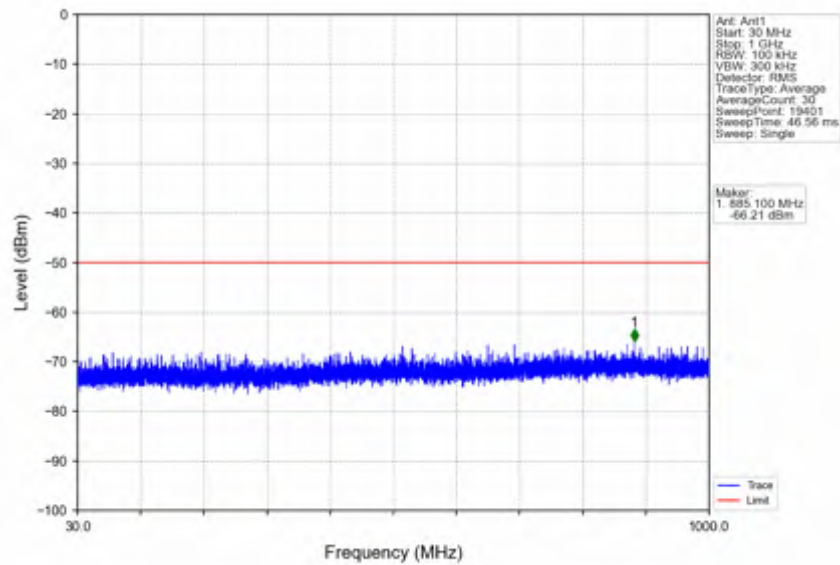
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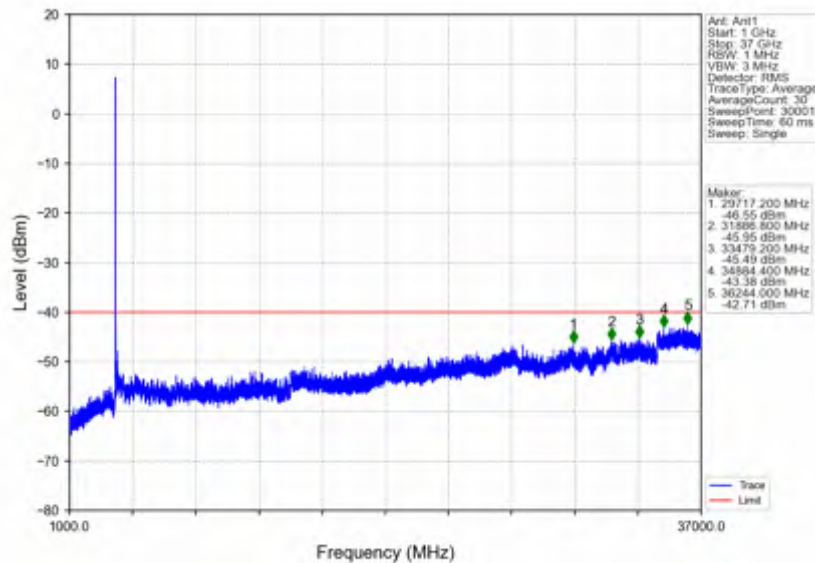
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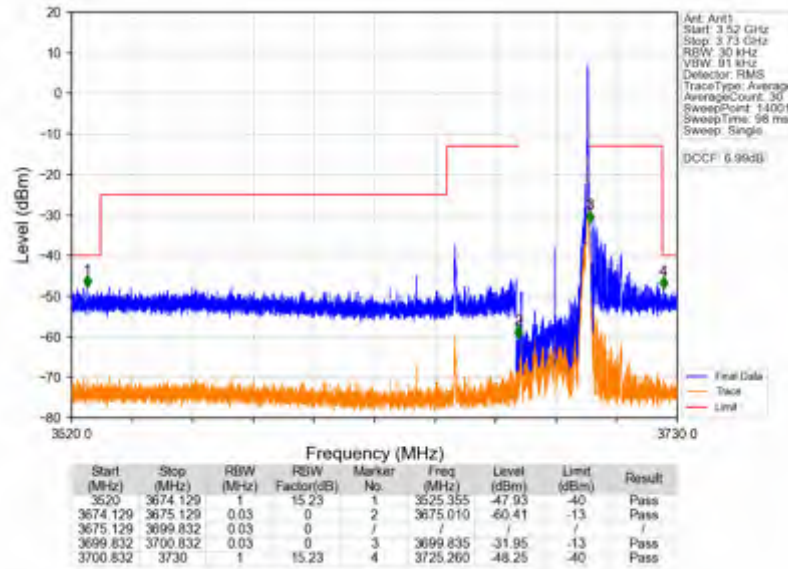
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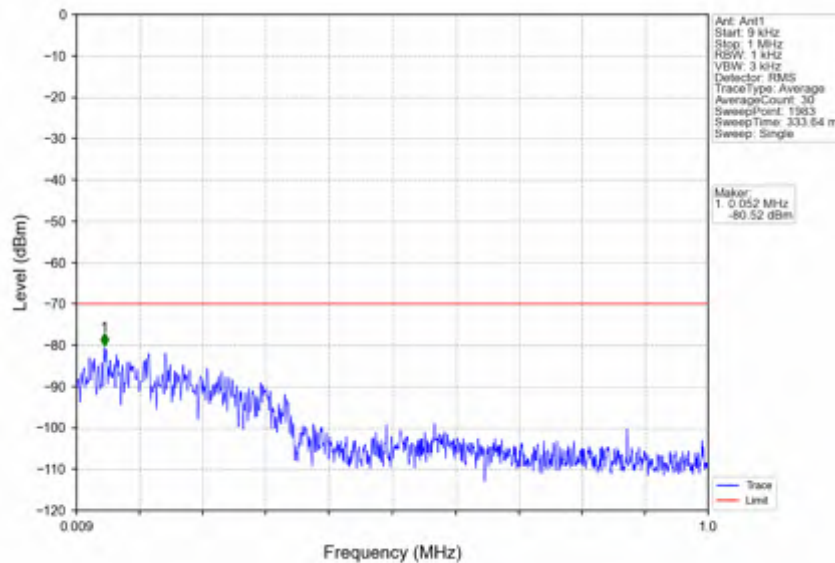
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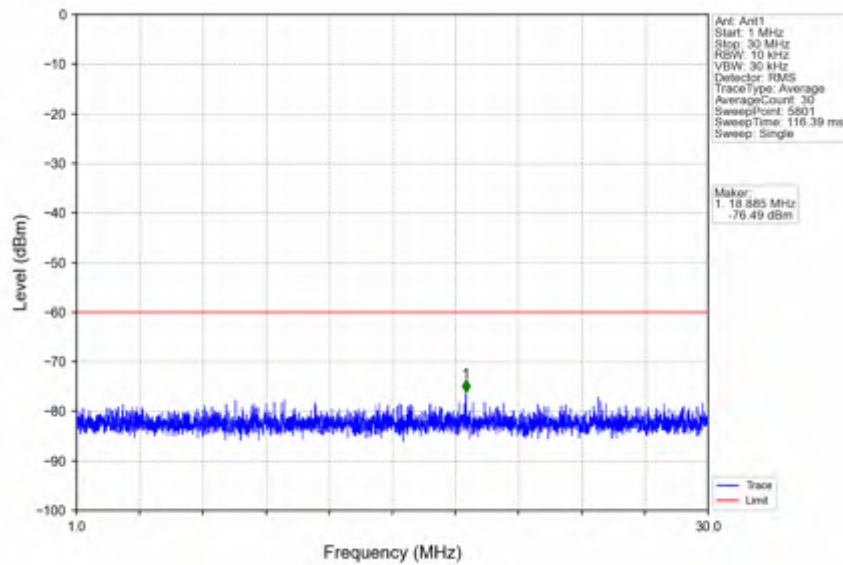
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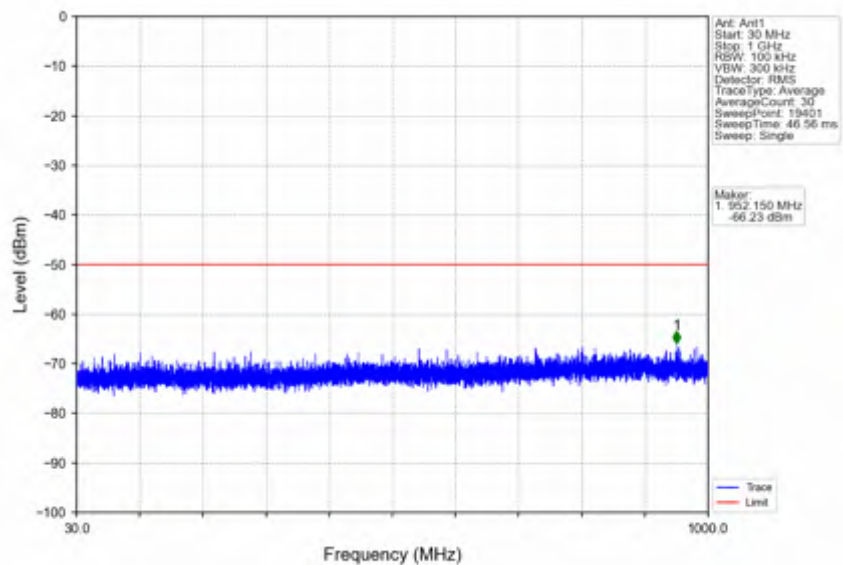
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n78d_30kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_3687.48MHz_Edge_1RB_Right



n78d_30kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_3687.48MHz_Edge_1RB_Right



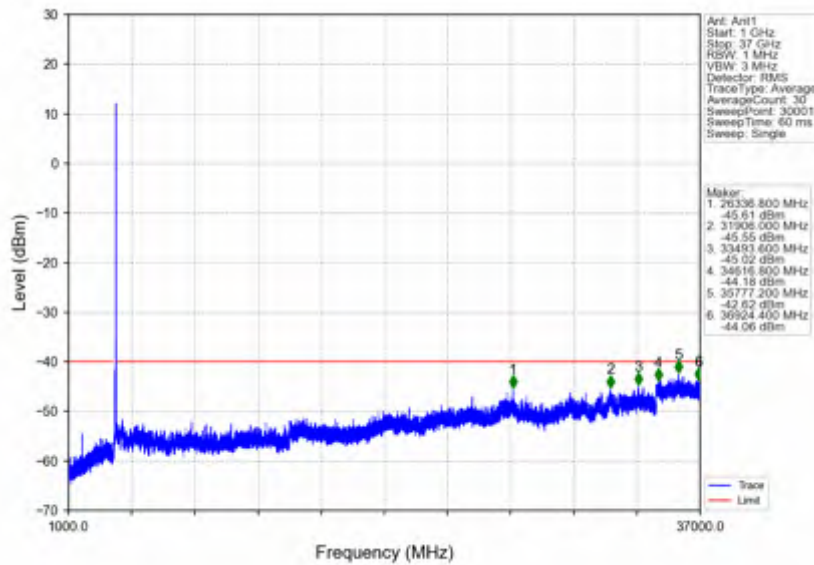
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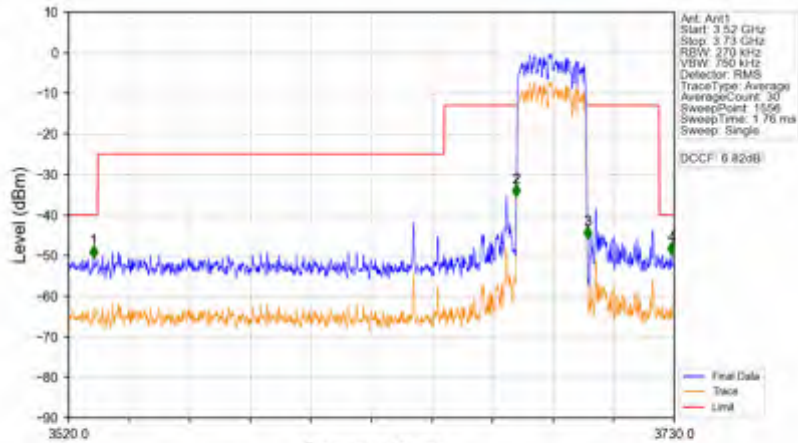
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n78d_30kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_3687.48MHz_Outer_Full



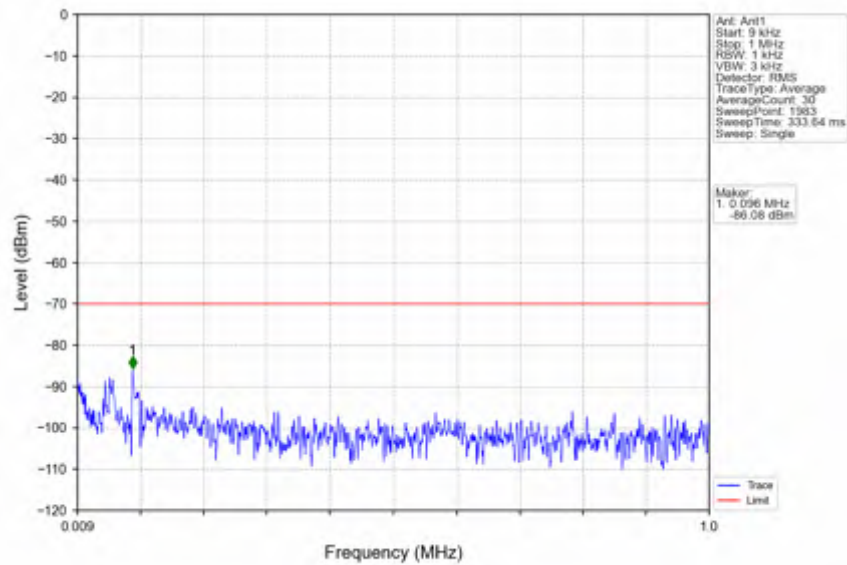
| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor (dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------------|------------|------------|-------------|-------------|--------|
| 3520 | 3674.202 | 1 | 5.69 | 1 | 3528.643 | -50.58 | -40 | Pass |
| 3674.202 | 3675.202 | 0.27 | 0 | 2 | 3675.170 | -35.55 | -13 | Pass |
| 3675.202 | 3699.758 | 0.27 | 0 | 3 | 3699.884 | -45.90 | -13 | Pass |
| 3699.758 | 3700.758 | 0.27 | 0 | 4 | 3729.055 | -49.83 | -40 | Pass |



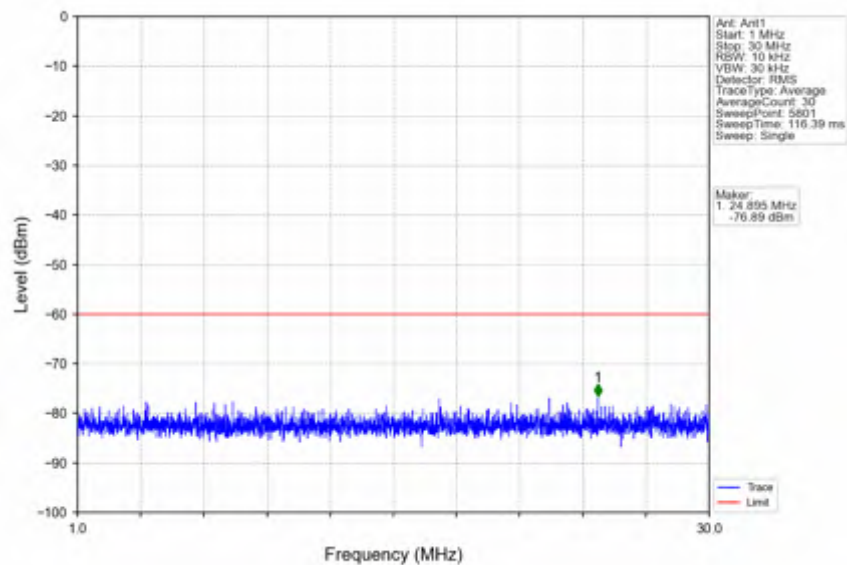
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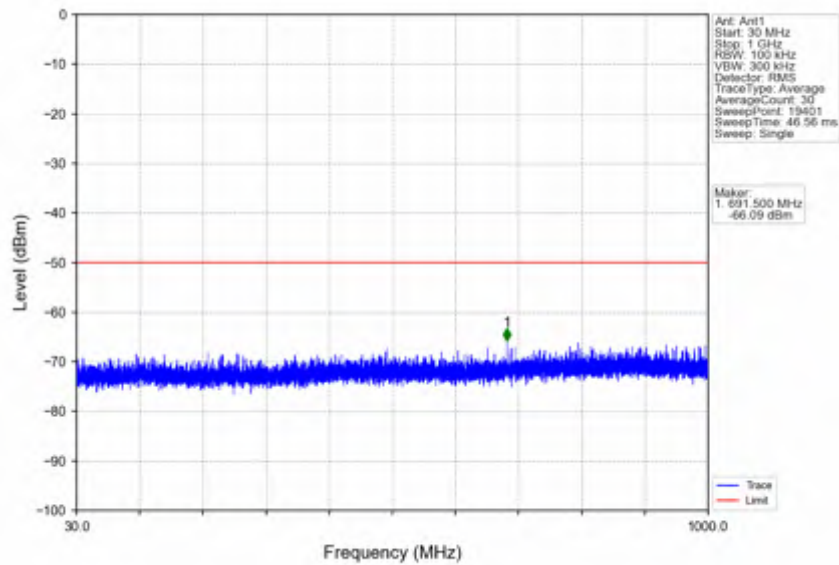
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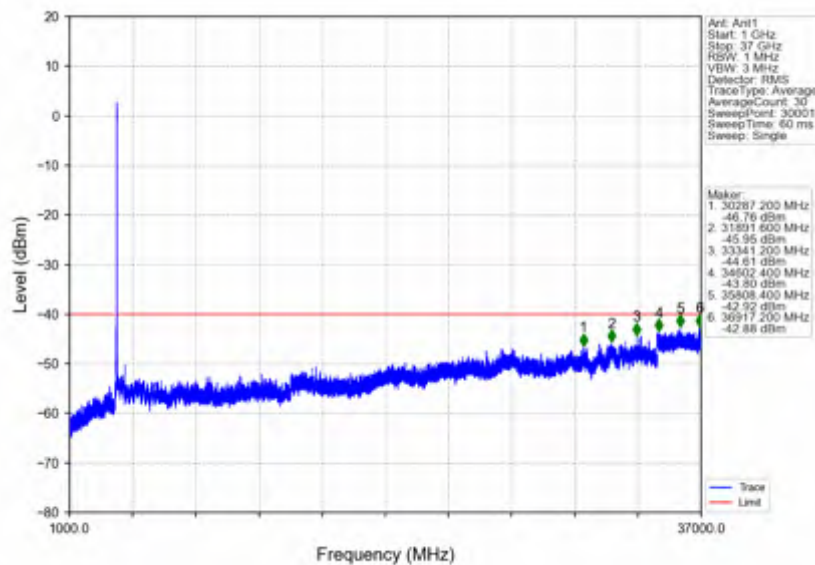
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n78d_30kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_3687.48MHz_Outer_Full



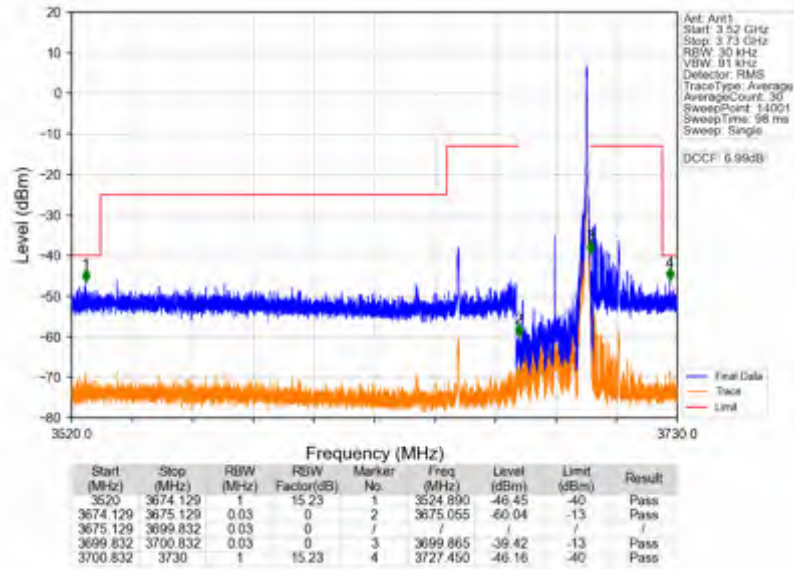
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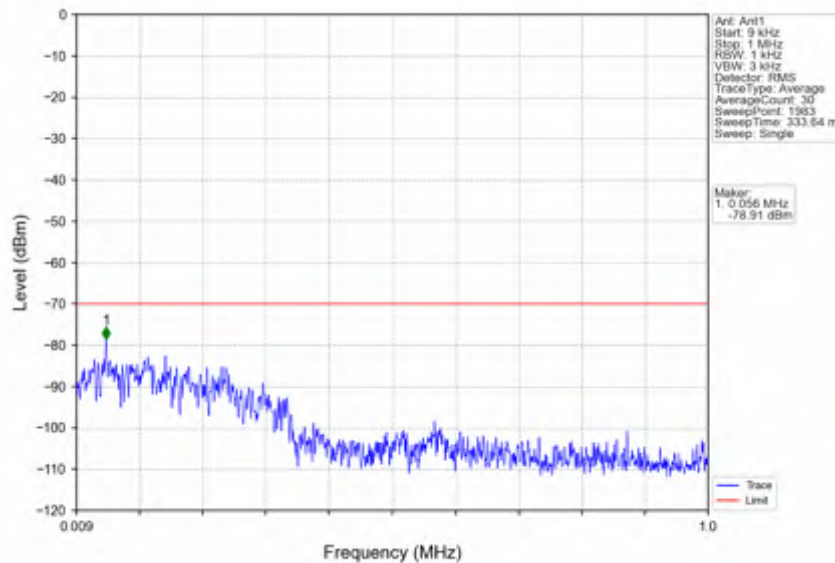
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n78d_30kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_3687.48MHz_Inner_1RB_Right



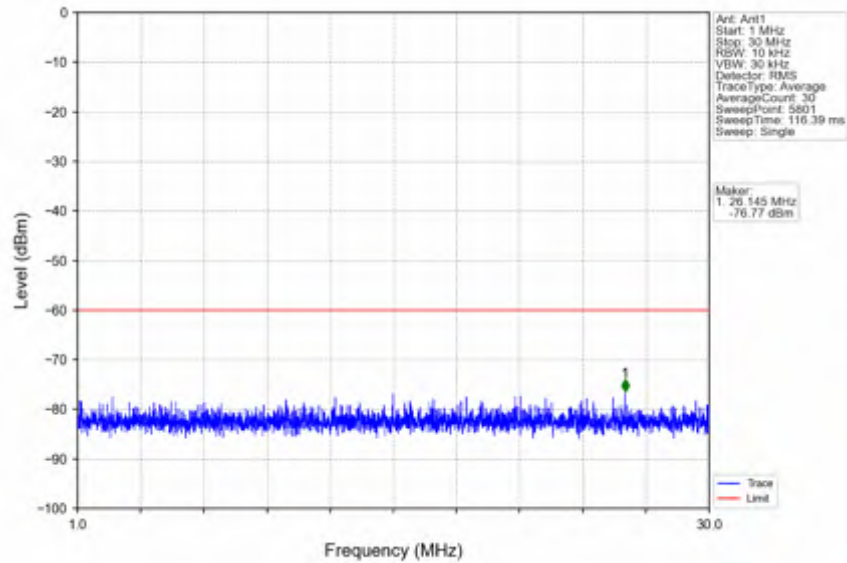
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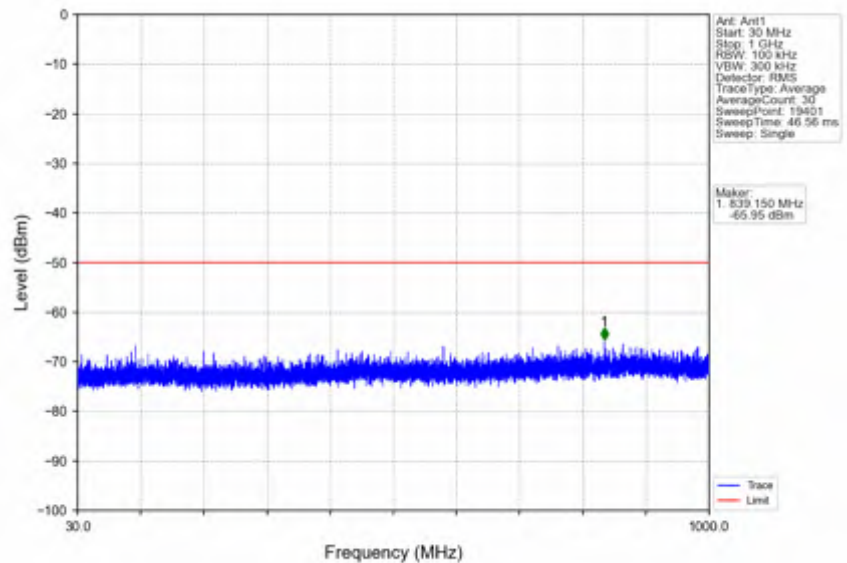
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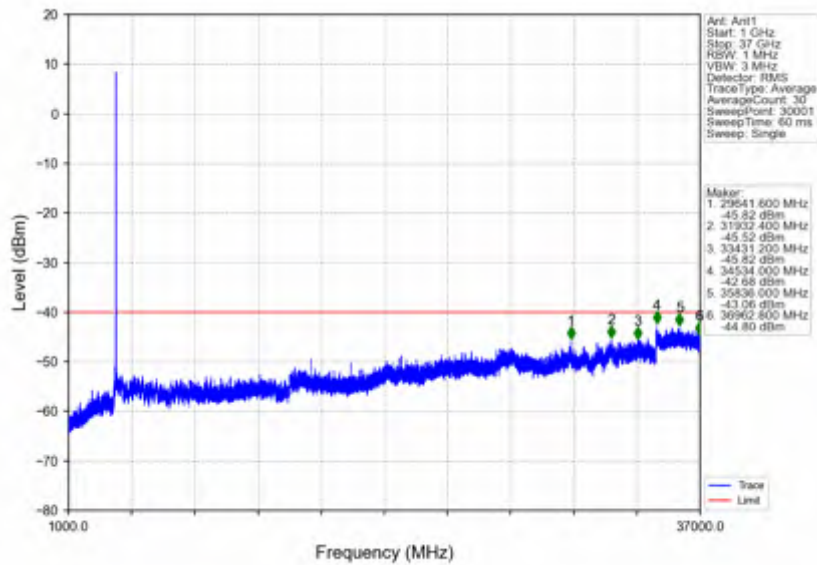
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8.12 30k_SISO_30MHz_NTNV

8.12.1 Test Result

| 5G NR n78d SCS=30kHz SISO 30MHz NTN | | | | | | |
|-------------------------------------|-----------------|-----------------|---------------------|------|-----|---------|
| Modulation | Frequency (MHz) | RB Allocation | Spurious Emission | | | Verdict |
| | | | Ant1 | Ant2 | Sum | |
| DFT-s-OFDM PI/2 BPSK | 3565.02 | Edge_1RB_Left | Refer To Test Graph | | | Pass |
| | | Outer_Full | Refer To Test Graph | | | Pass |
| | | Inner_1RB_Left | Refer To Test Graph | | | Pass |
| | 3684.99 | Edge_1RB_Left | Refer To Test Graph | | | Pass |
| | | Edge_1RB_Right | Refer To Test Graph | | | Pass |
| | | Outer_Full | Refer To Test Graph | | | Pass |
| DFT-s-OFDM QPSK | 3565.02 | Edge_1RB_Left | Refer To Test Graph | | | Pass |
| | | Outer_Full | Refer To Test Graph | | | Pass |
| | | Inner_1RB_Left | Refer To Test Graph | | | Pass |
| | 3684.99 | Edge_1RB_Left | Refer To Test Graph | | | Pass |
| | | Edge_1RB_Right | Refer To Test Graph | | | Pass |
| | | Outer_Full | Refer To Test Graph | | | Pass |
| CP-OFDM QPSK | 3565.02 | Edge_1RB_Left | Refer To Test Graph | | | Pass |
| | | Outer_Full | Refer To Test Graph | | | Pass |
| | | Inner_1RB_Left | Refer To Test Graph | | | Pass |
| | 3684.99 | Edge_1RB_Left | Refer To Test Graph | | | Pass |
| | | Edge_1RB_Right | Refer To Test Graph | | | Pass |
| | | Outer_Full | Refer To Test Graph | | | Pass |
| | | Inner_1RB_Right | Refer To Test Graph | | | Pass |



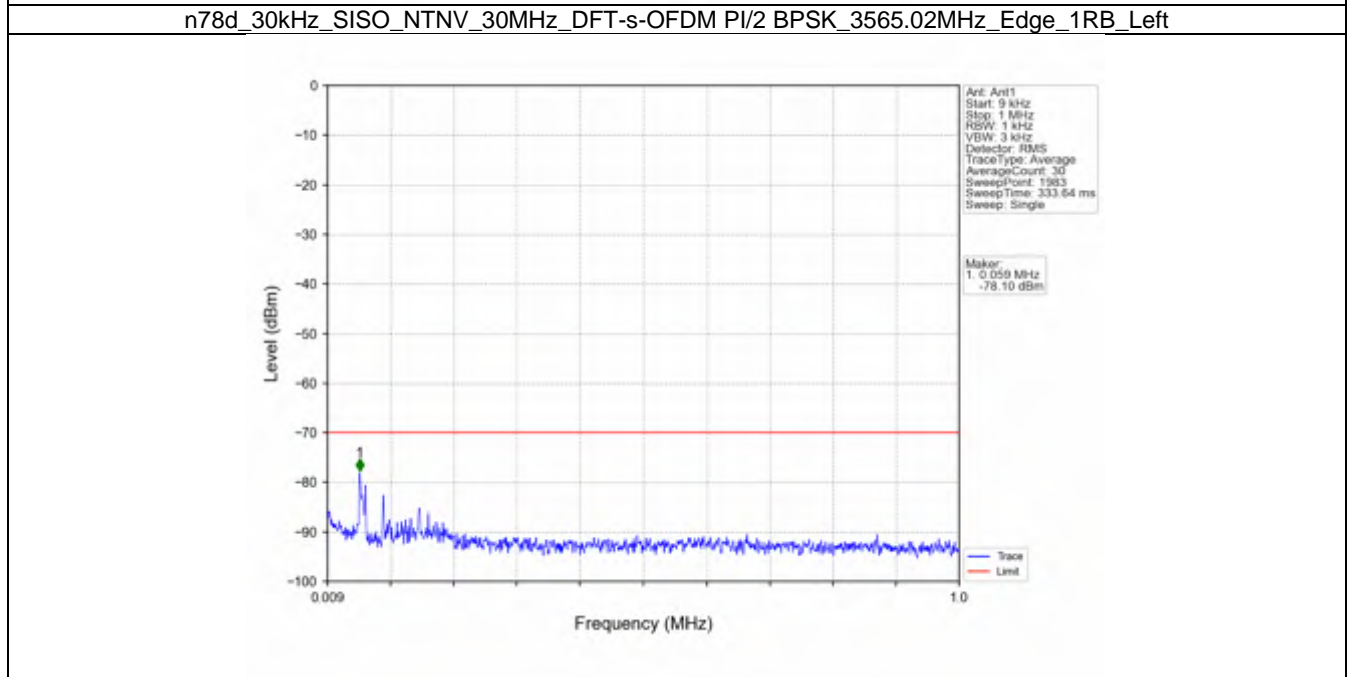
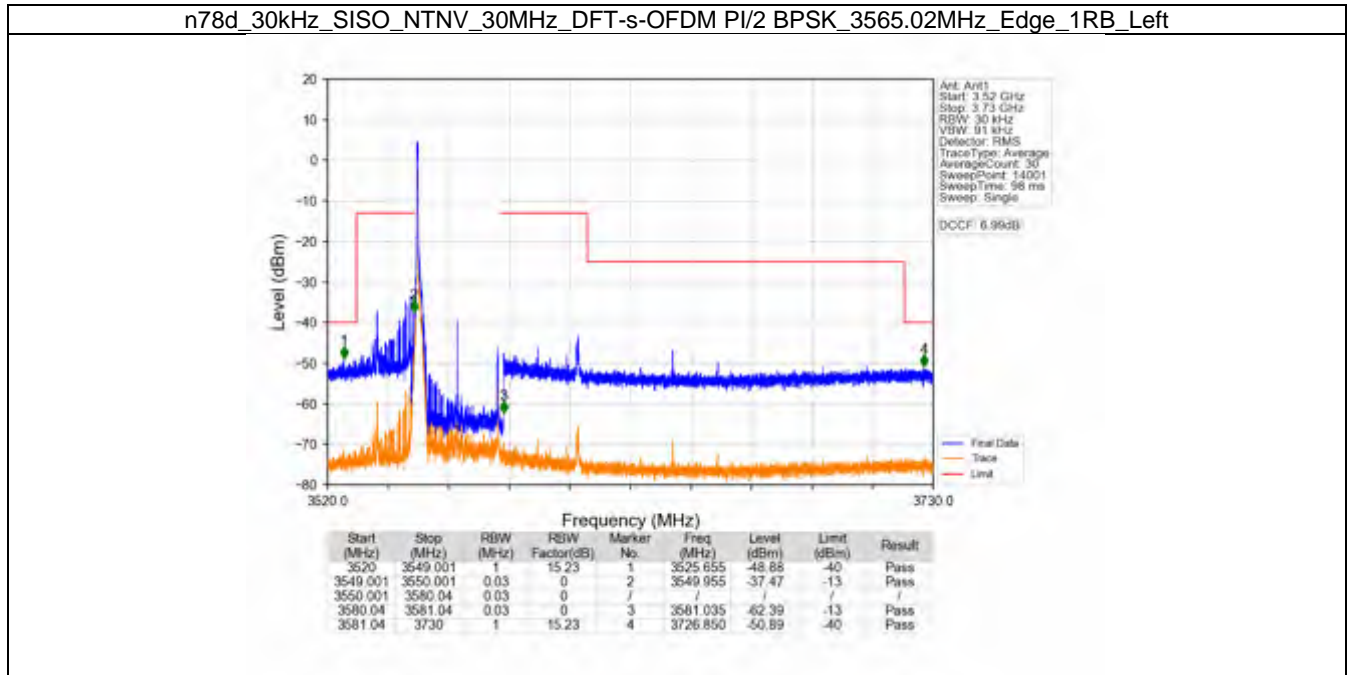
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8.12.2 Test Graph

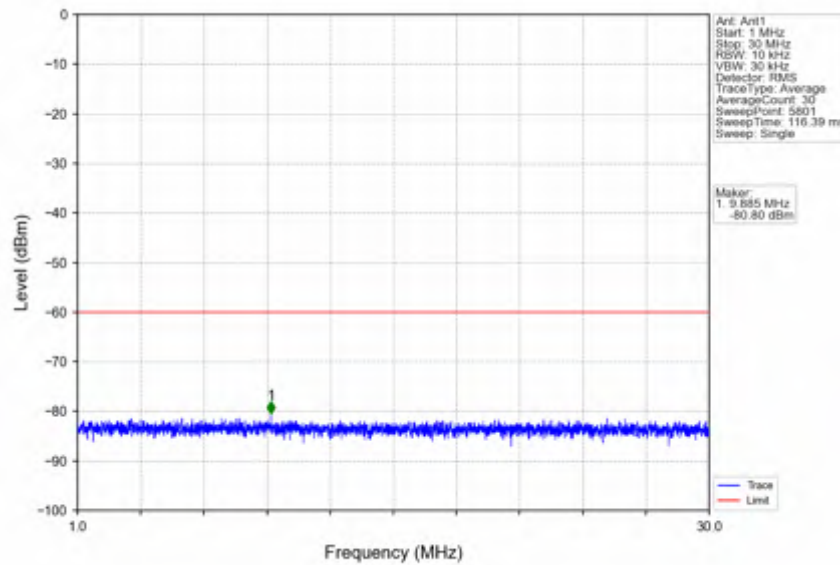


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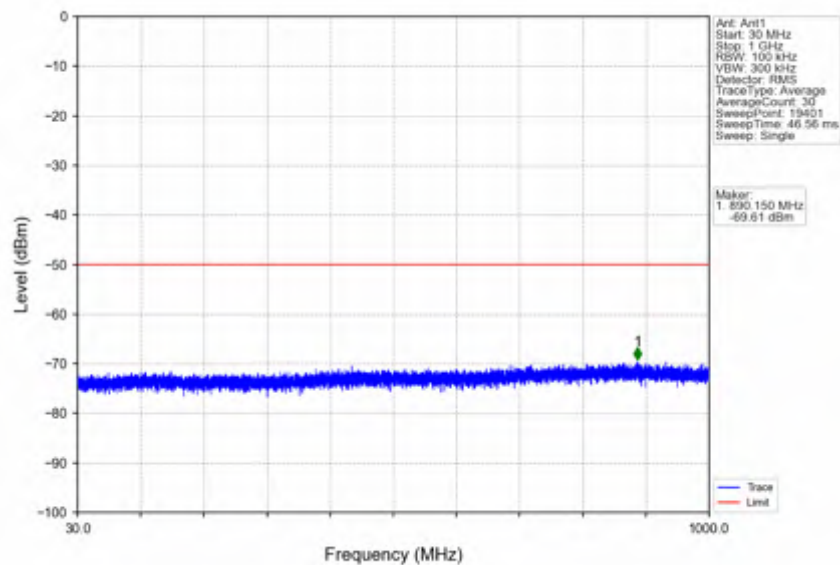
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n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3565.02MHz_Edge_1RB_Left

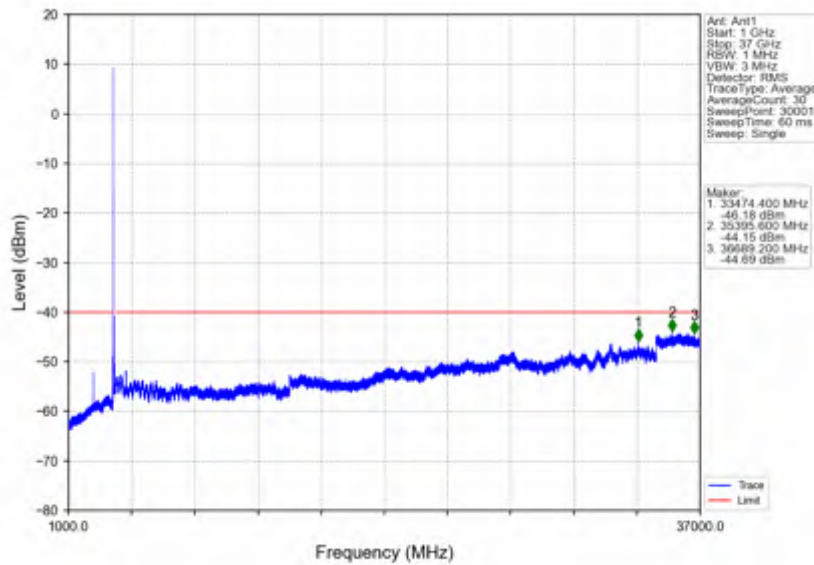


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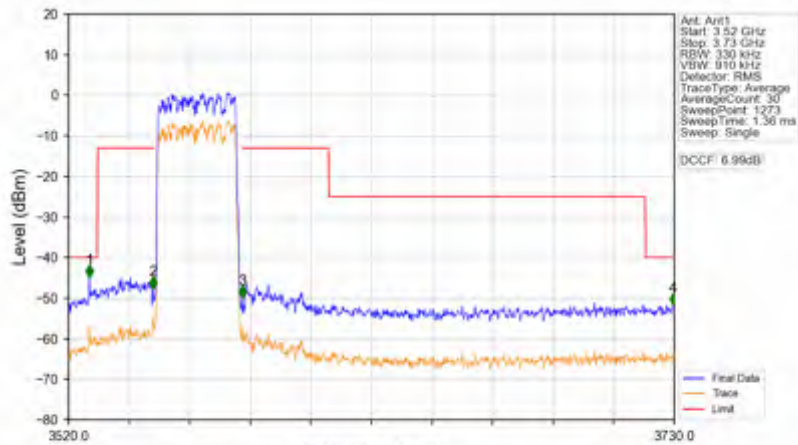
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n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3565.02MHz_Outer_Full



| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3520 | 3548.867 | 1 | 4.81 | 1 | 3527.264 | -44.94 | -40 | Pass |
| 3548.867 | 3549.867 | 0.33 | 0 | 2 | 3549.387 | -47.79 | -13 | Pass |
| 3549.867 | 3580.173 | 0.33 | 0 | 3 | 3580.259 | -50.08 | -13 | Pass |
| 3580.173 | 3581.173 | 0.33 | 0 | 3 | 3580.259 | -50.08 | -13 | Pass |
| 3581.173 | 3730 | 1 | 4.81 | 4 | 3729.670 | -51.74 | -40 | Pass |



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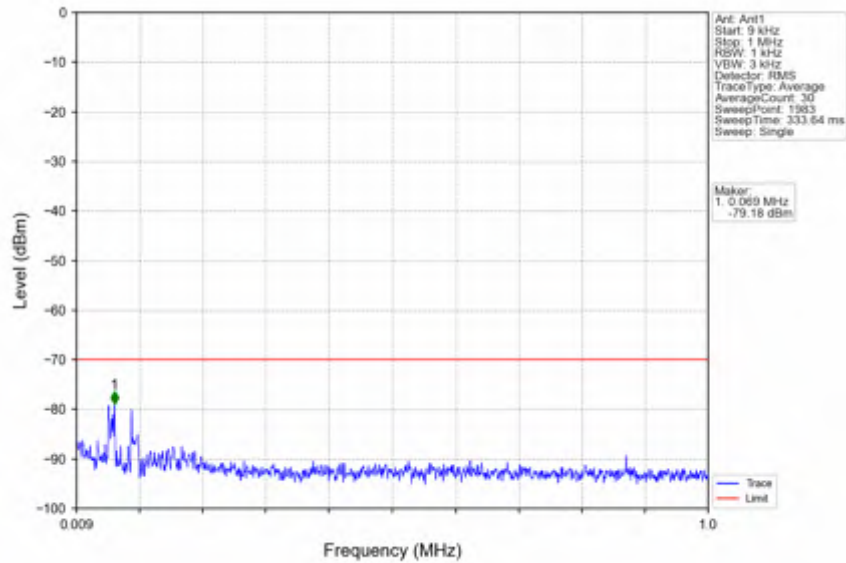
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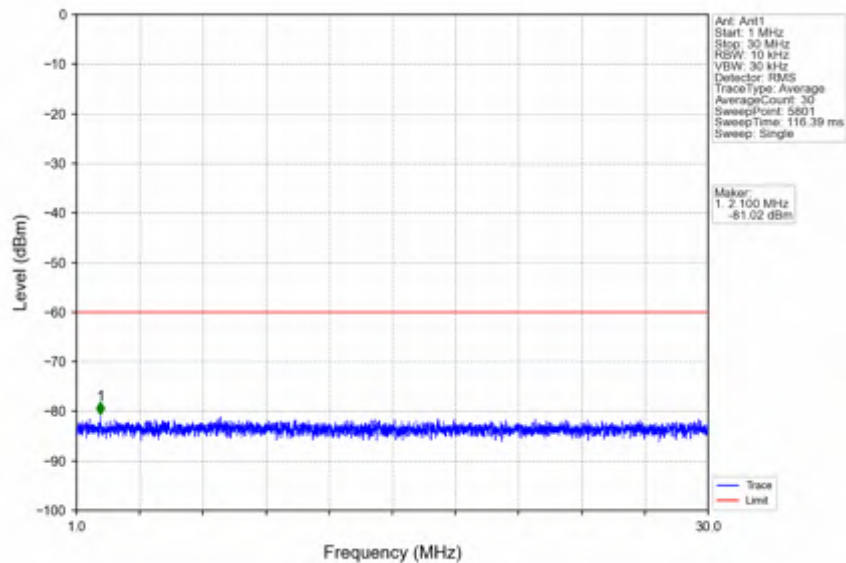
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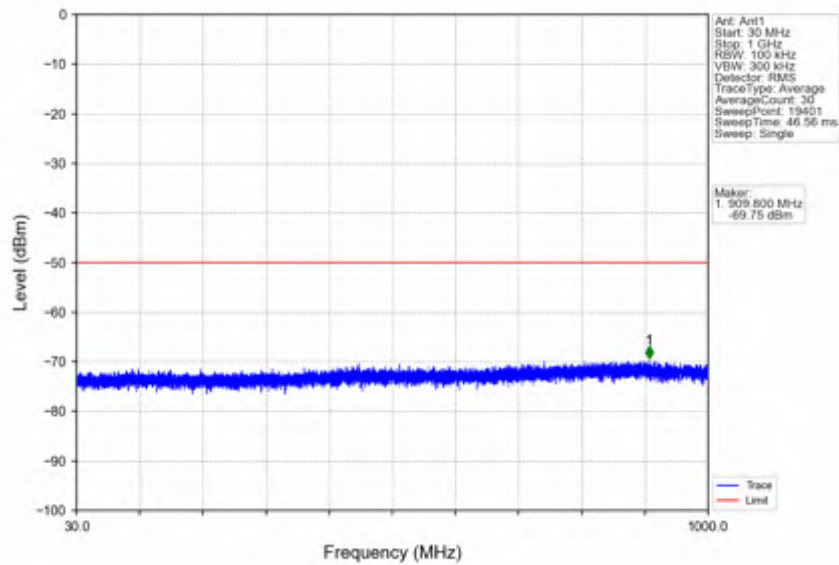
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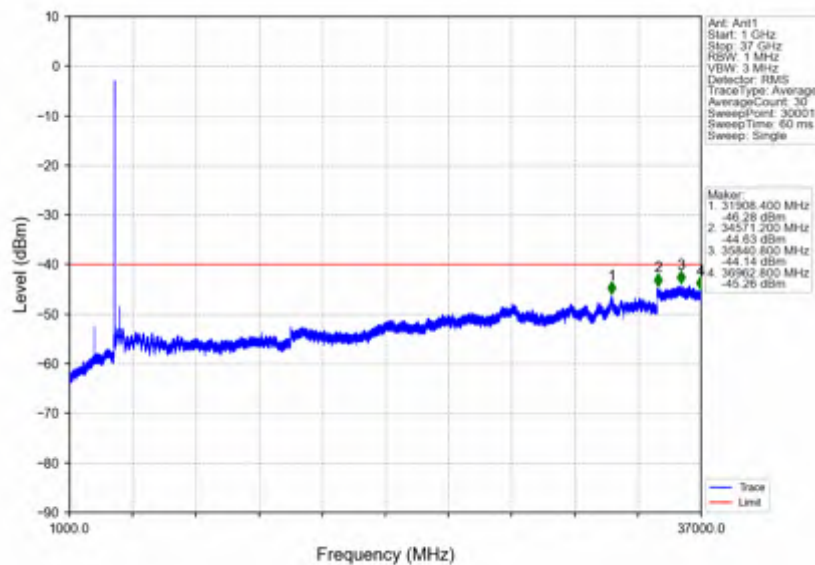
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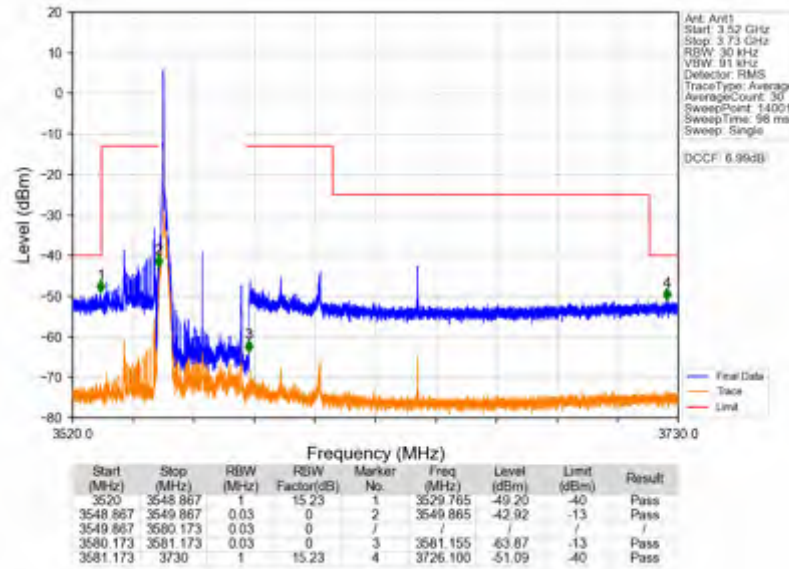
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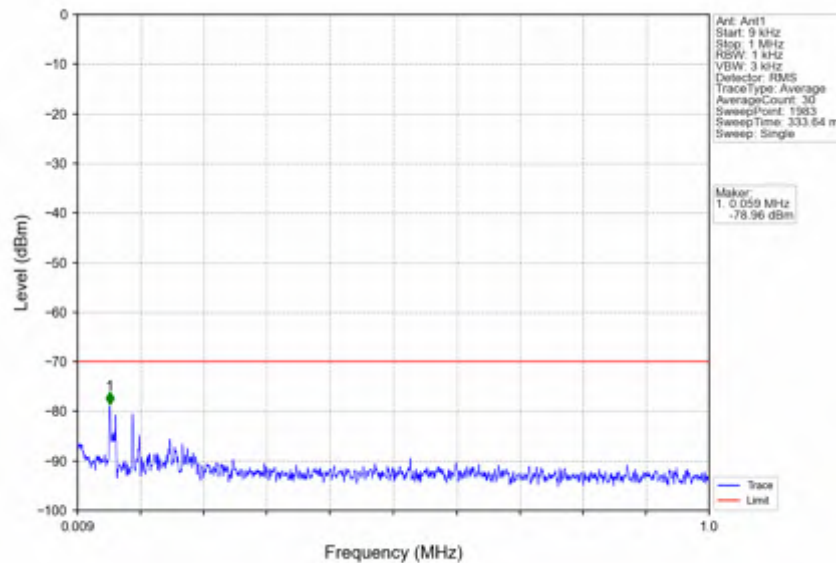
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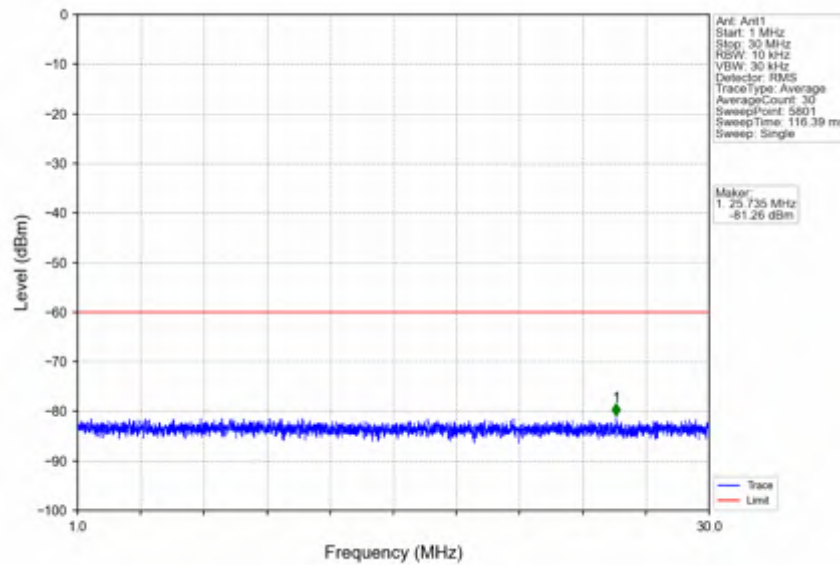


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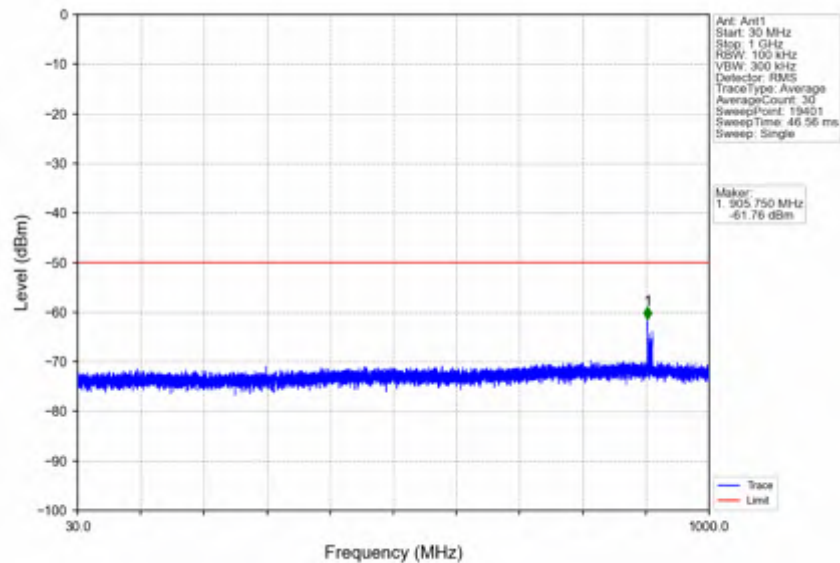
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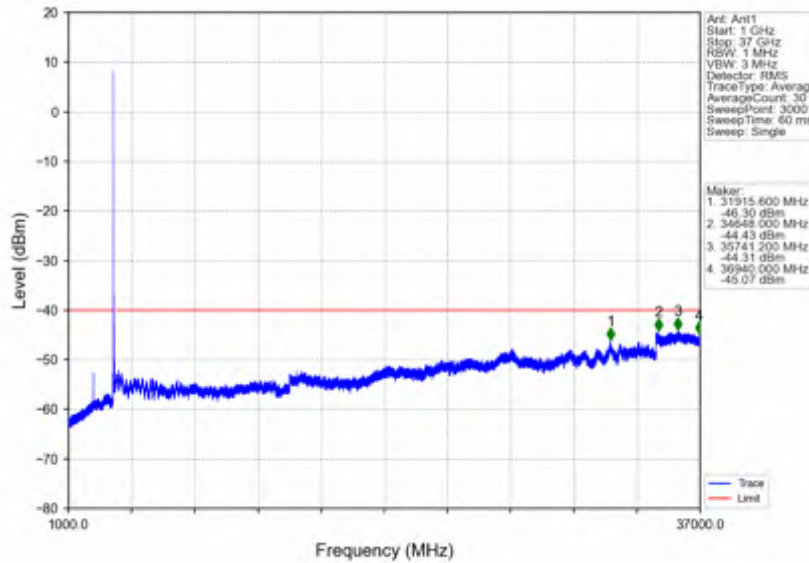
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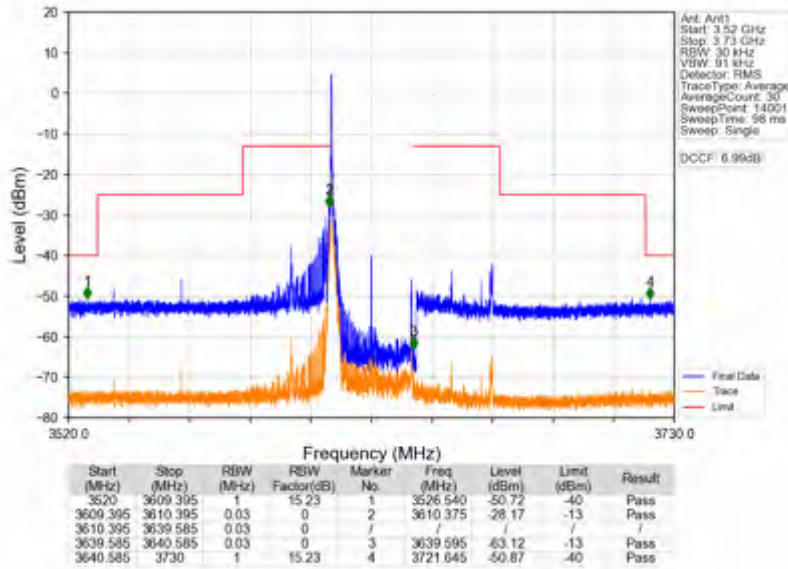
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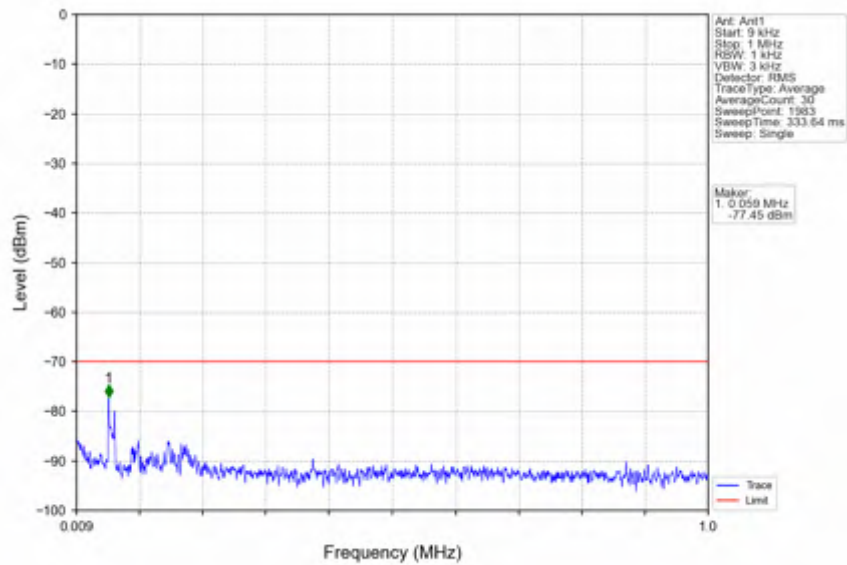


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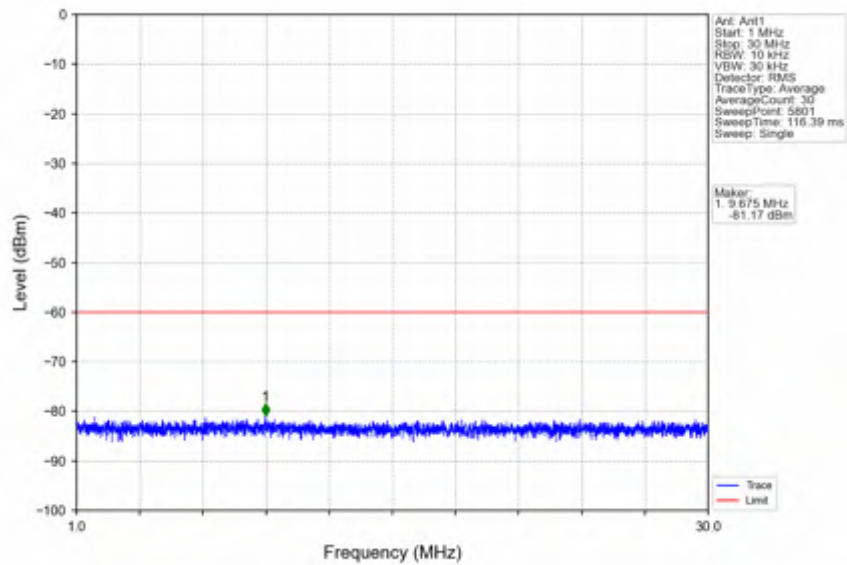
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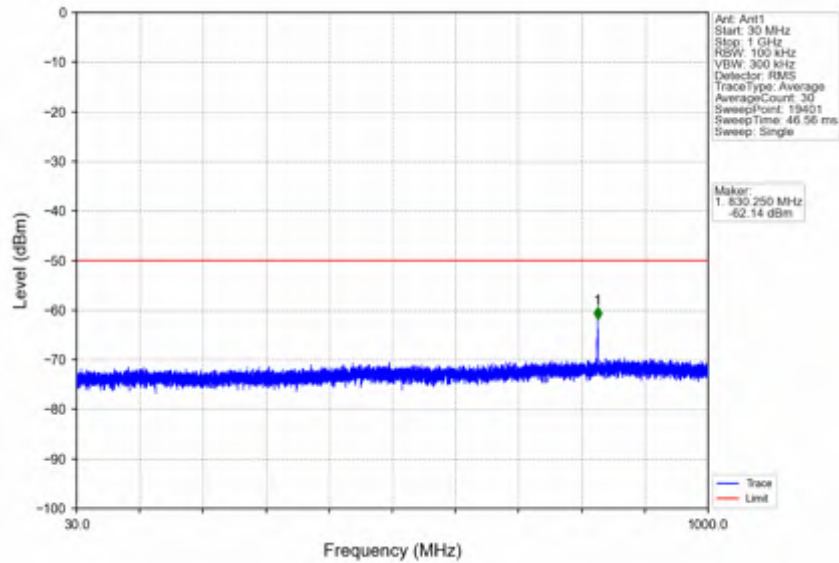


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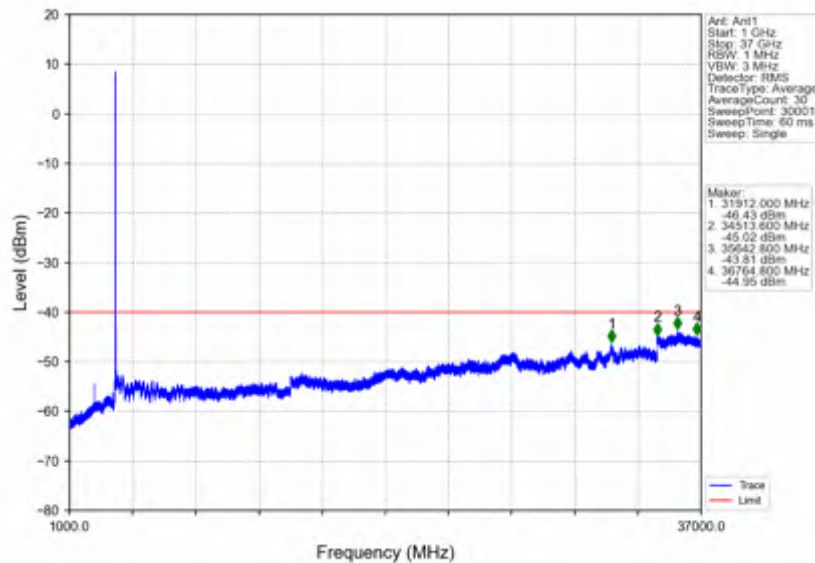
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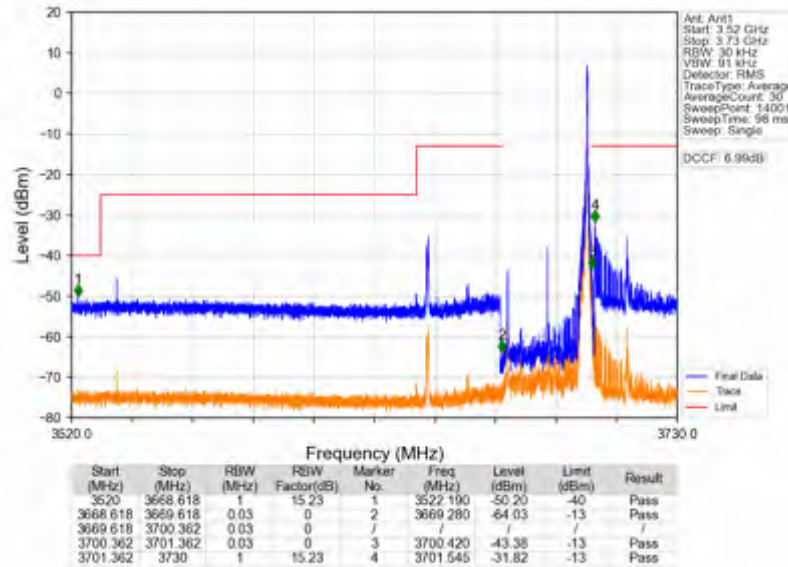
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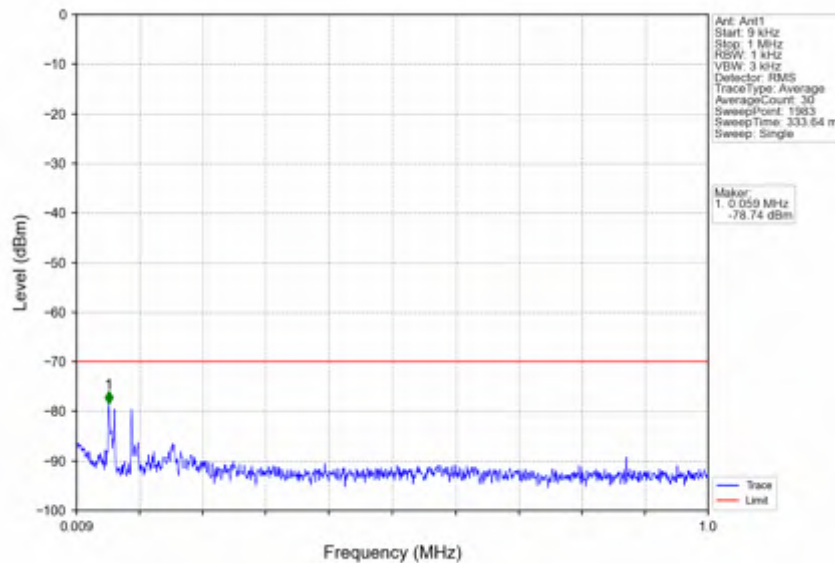
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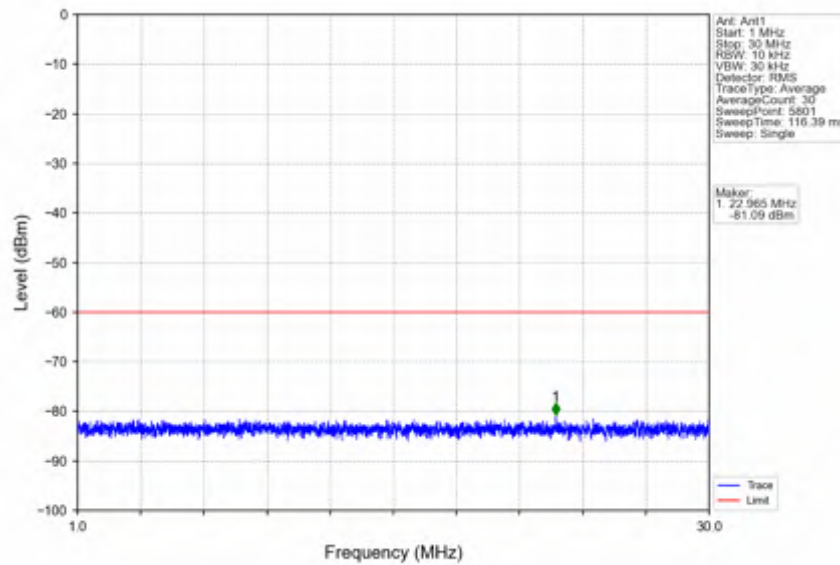


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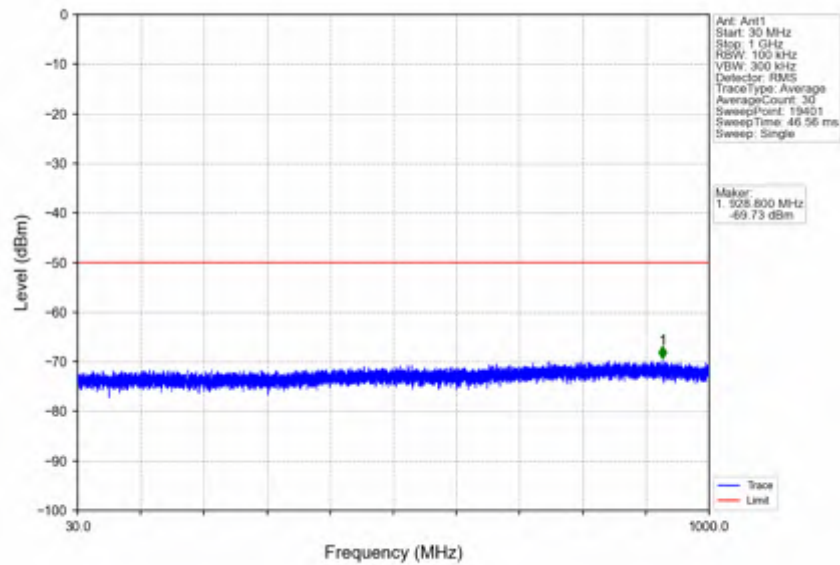
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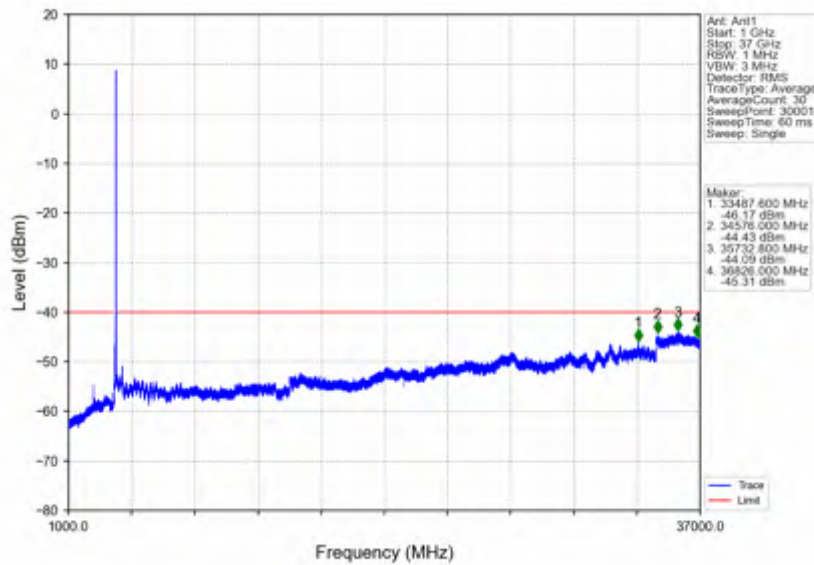
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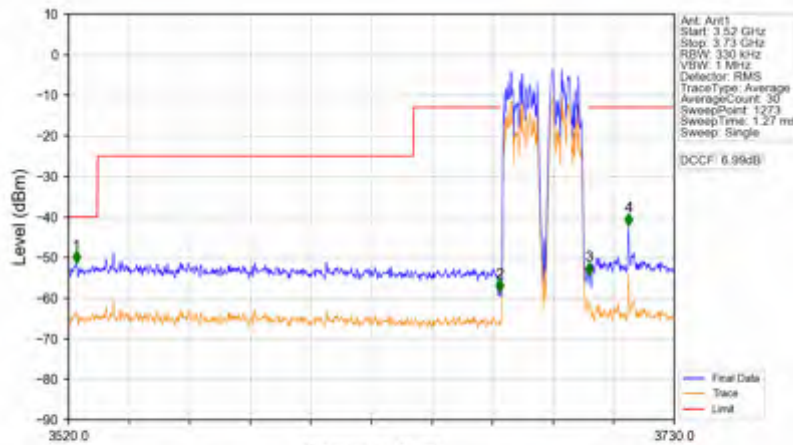
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n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3684.99MHz_Outer_Full



| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3520 | 3668.618 | 1 | 4.81 | 1 | 3522.642 | -51.39 | -40 | Pass |
| 3668.618 | 3669.618 | 0.33 | 0 | 2 | 3669.410 | -53.48 | -13 | Pass |
| 3669.618 | 3700.362 | 0.33 | 0 | 3 | 3700.448 | -54.30 | -13 | Pass |
| 3700.362 | 3701.362 | 0.33 | 0 | 3 | 3700.448 | -54.30 | -13 | Pass |
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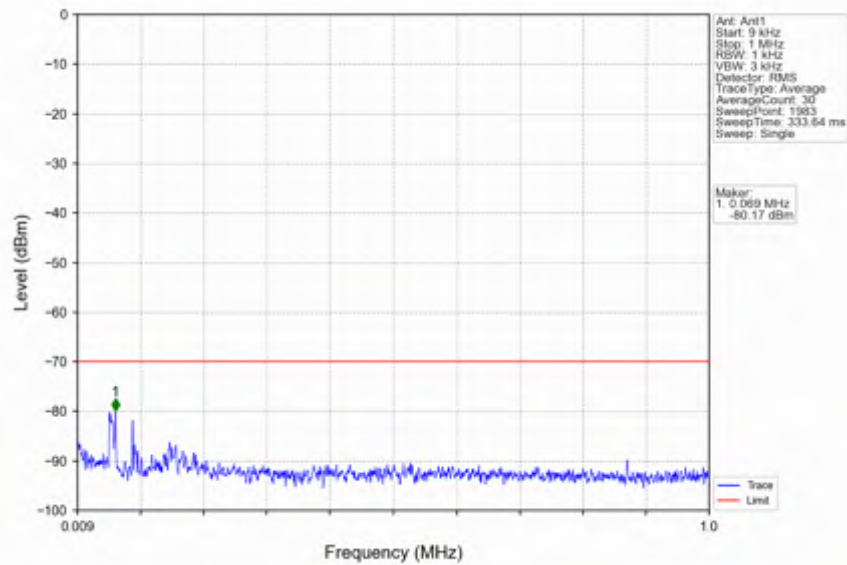
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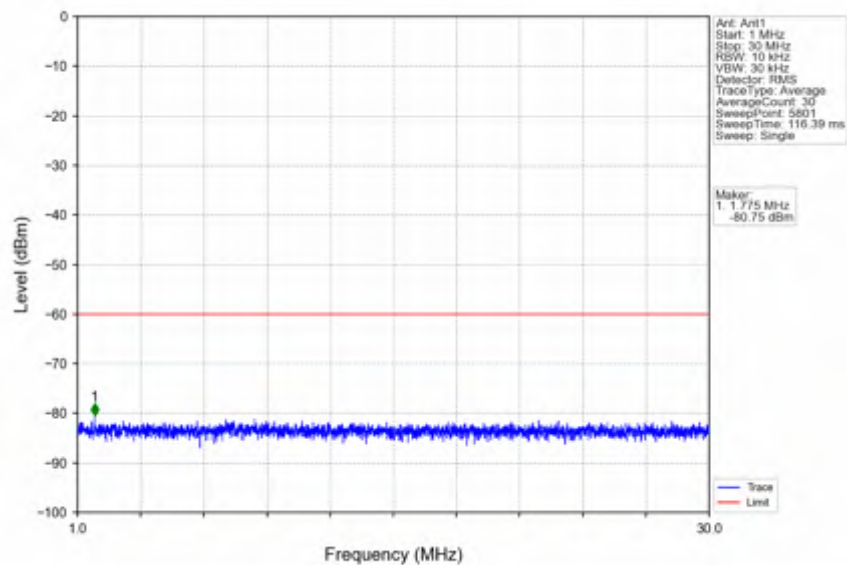
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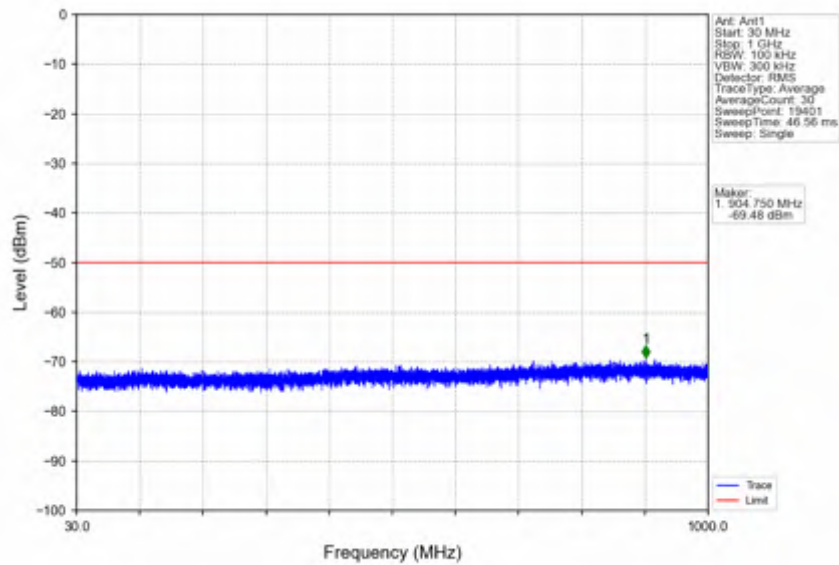
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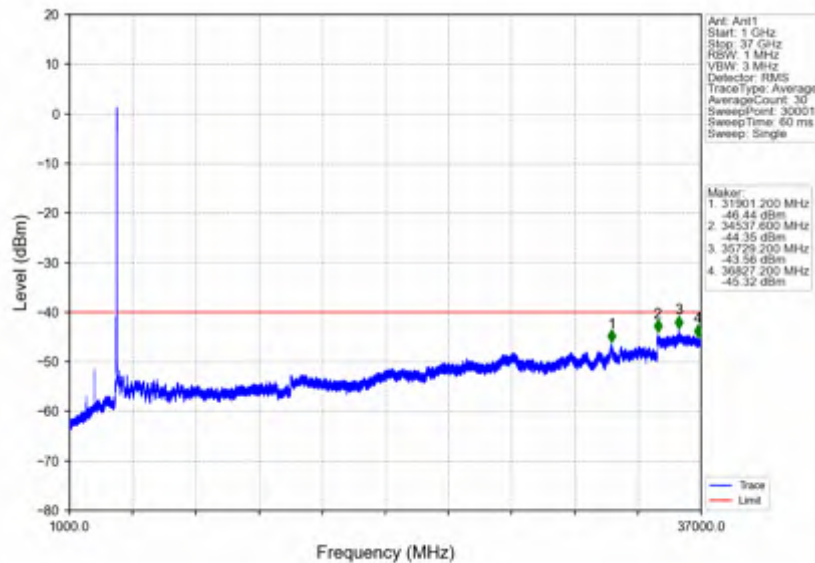
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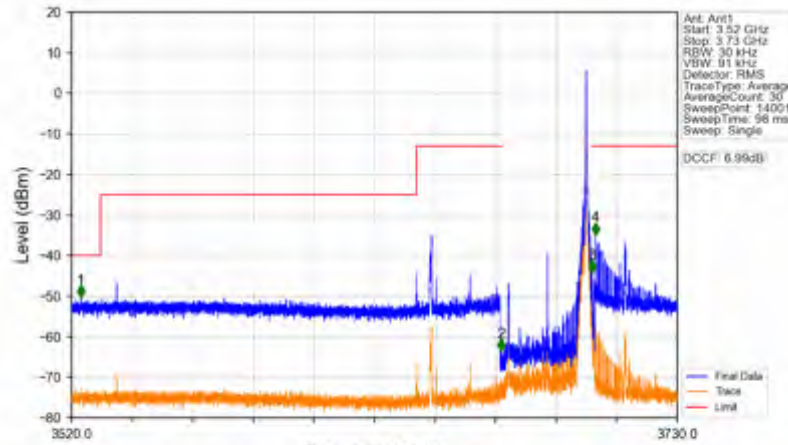
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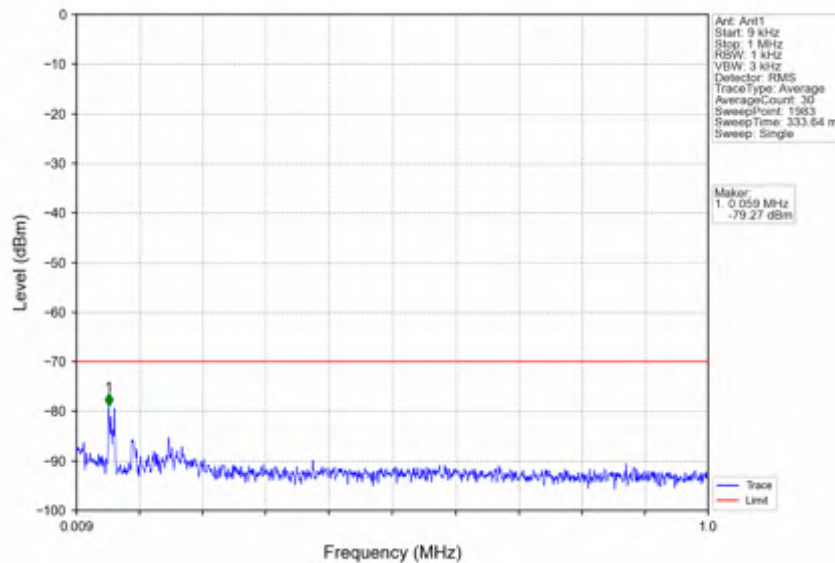
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n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3684.99MHz_Inner_1RB_Right



| Start (MHz) | Stop (MHz) | RBW (MHz) | RSW Factor (dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------------|------------|------------|-------------|-------------|--------|
| 3520 | 3668.591 | 1 | 15.23 | 1 | 3523.180 | -50.39 | -40 | Pass |
| 3668.591 | 3669.591 | 0.03 | 0 | 2 | 3668.995 | -63.61 | -13 | Pass |
| 3669.591 | 3700.39 | 0.03 | 0 | / | / | / | / | / |
| 3700.39 | 3701.39 | 0.03 | 0 | 3 | 3700.480 | -44.19 | -13 | Pass |
| 3701.39 | 3730 | 1 | 15.23 | 4 | 3701.605 | -34.95 | -13 | Pass |

n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3684.99MHz_Inner_1RB_Right



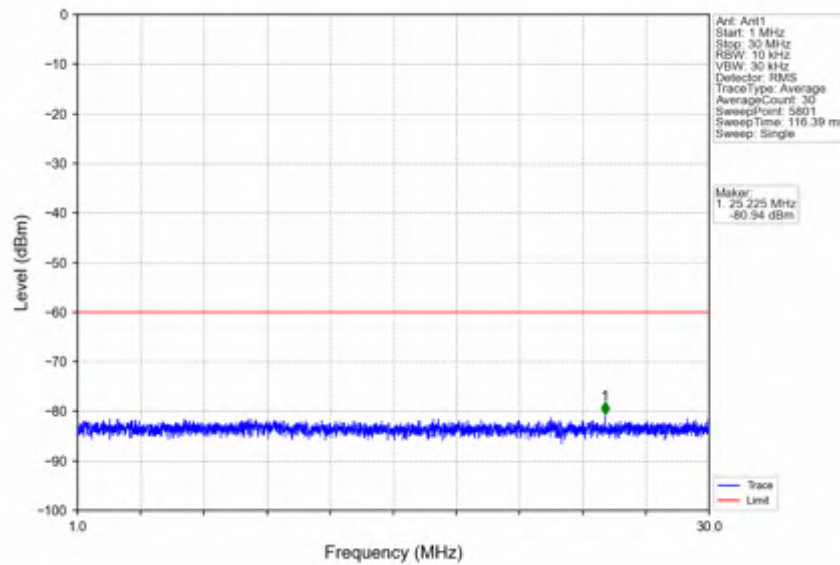
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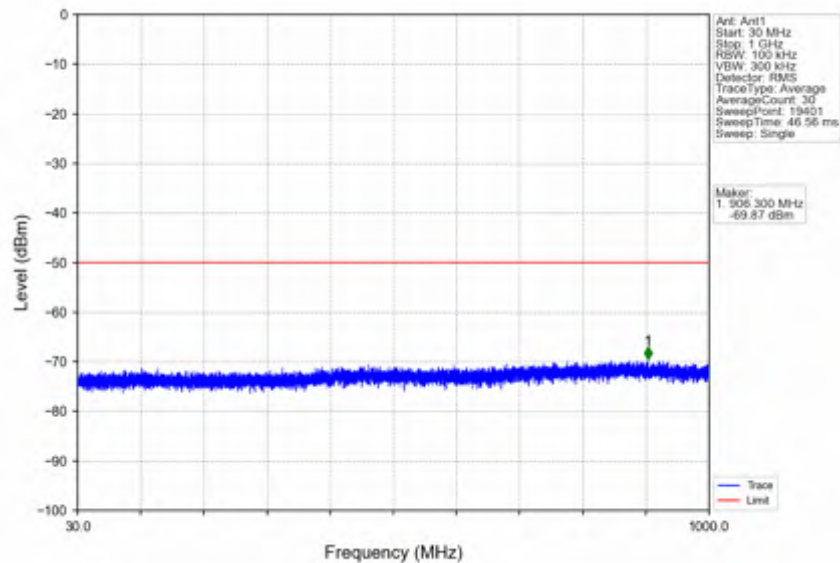
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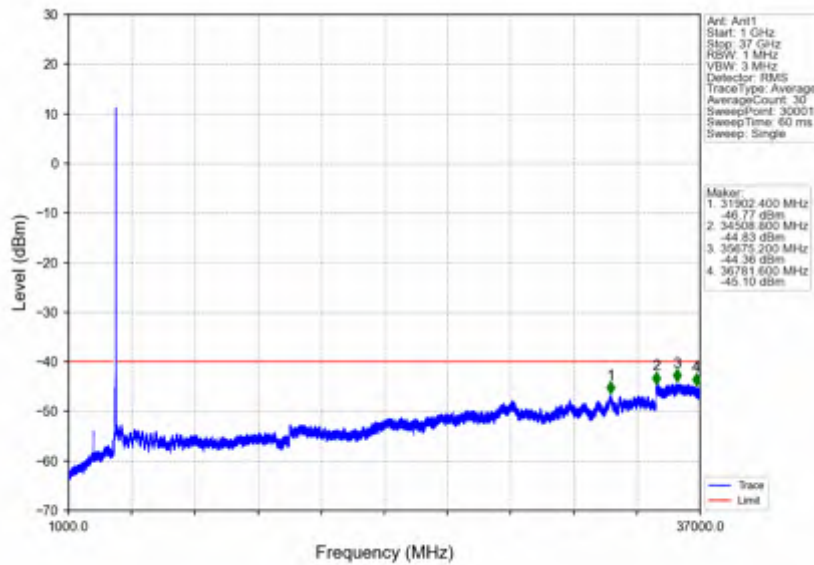
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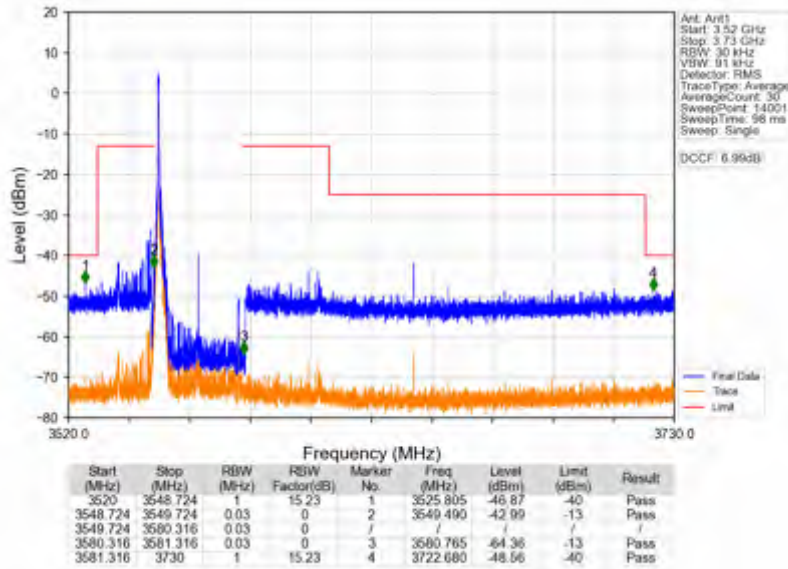
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n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3565.02MHz_Edge_1RB_Left

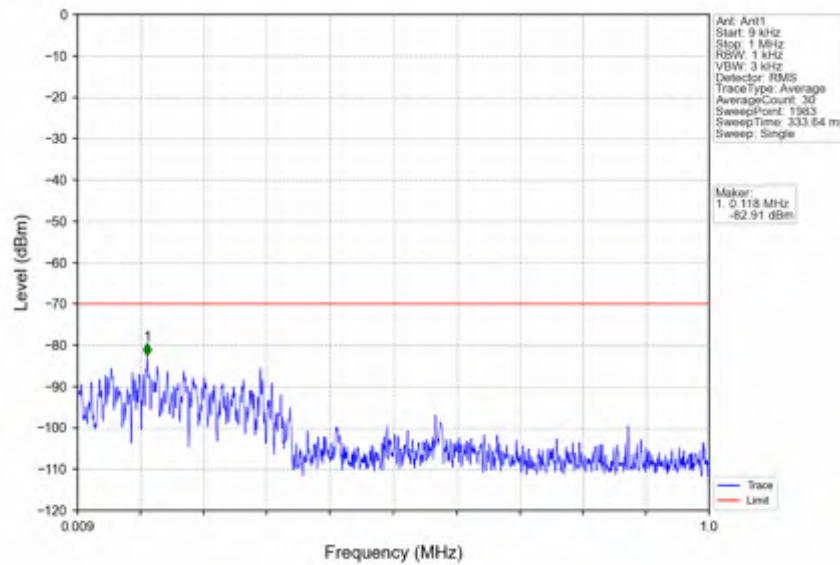


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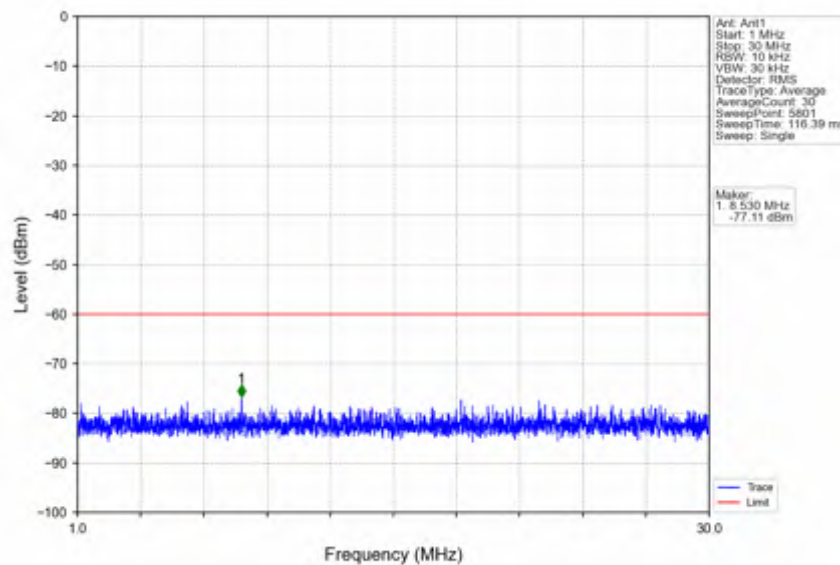
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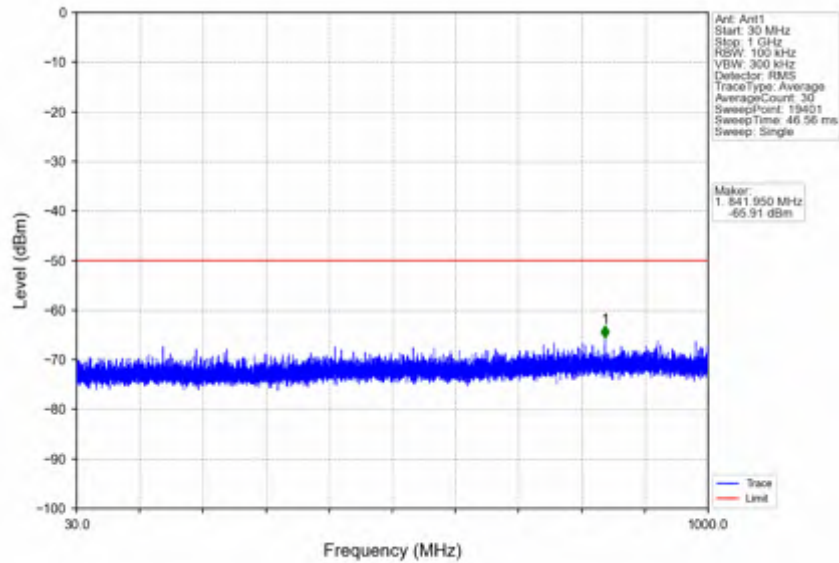
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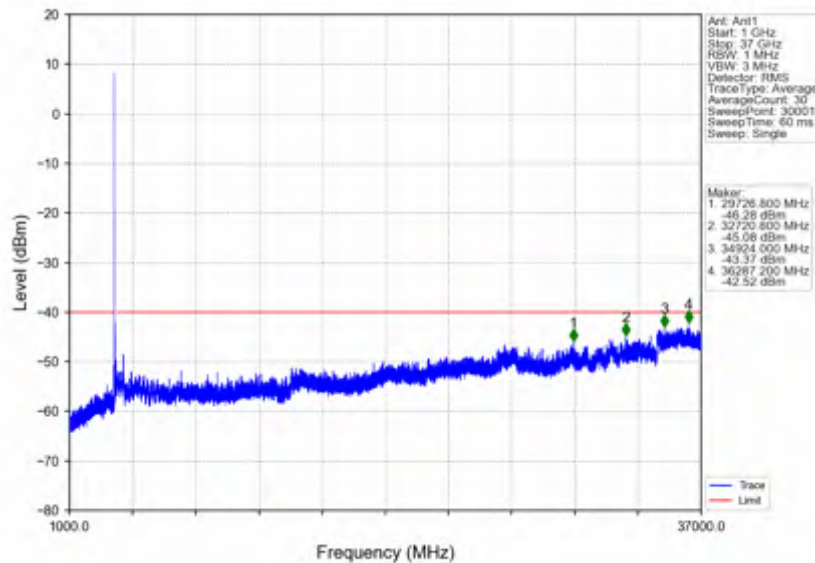
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n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3565.02MHz_Edge_1RB_Left



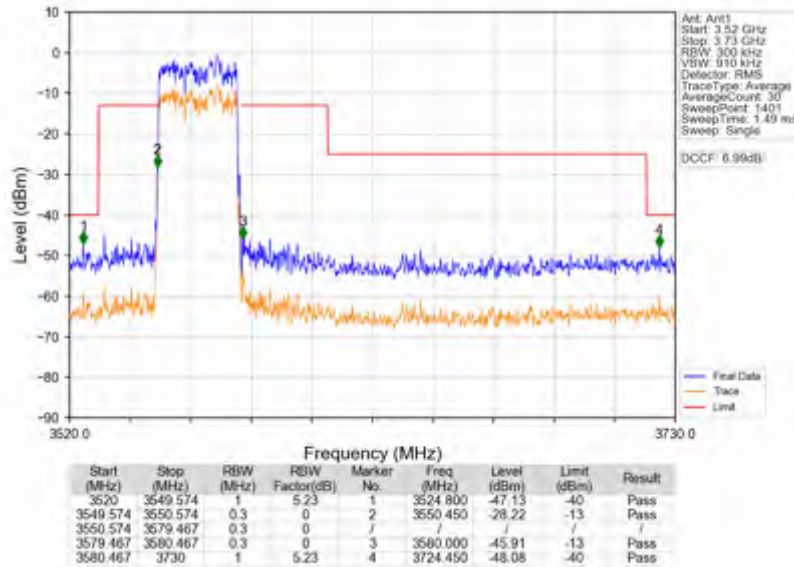
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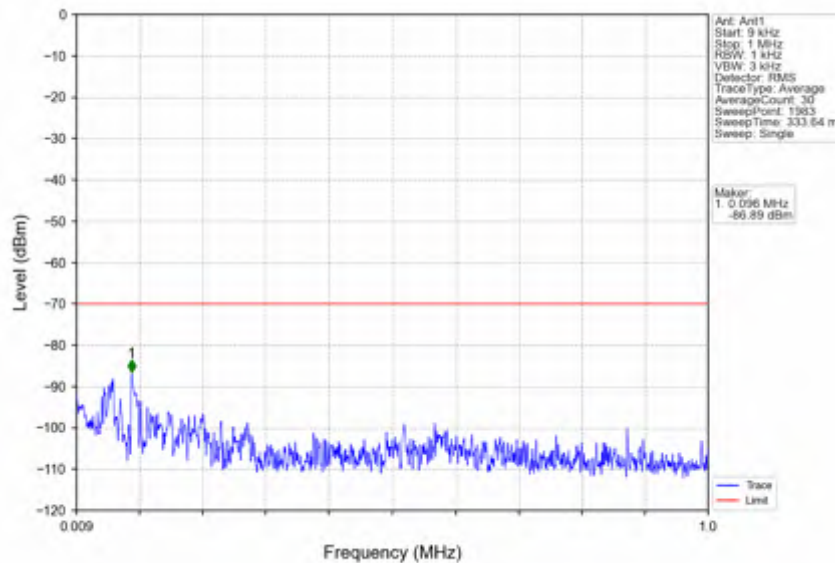
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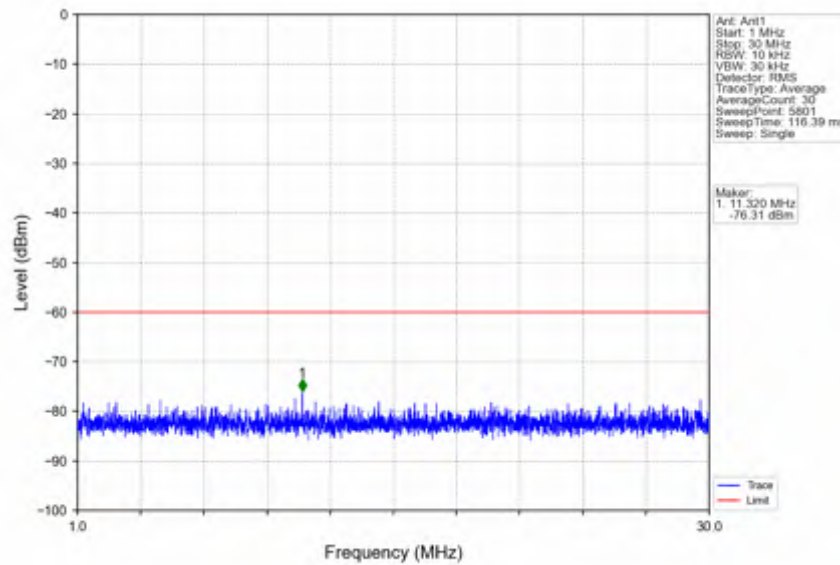


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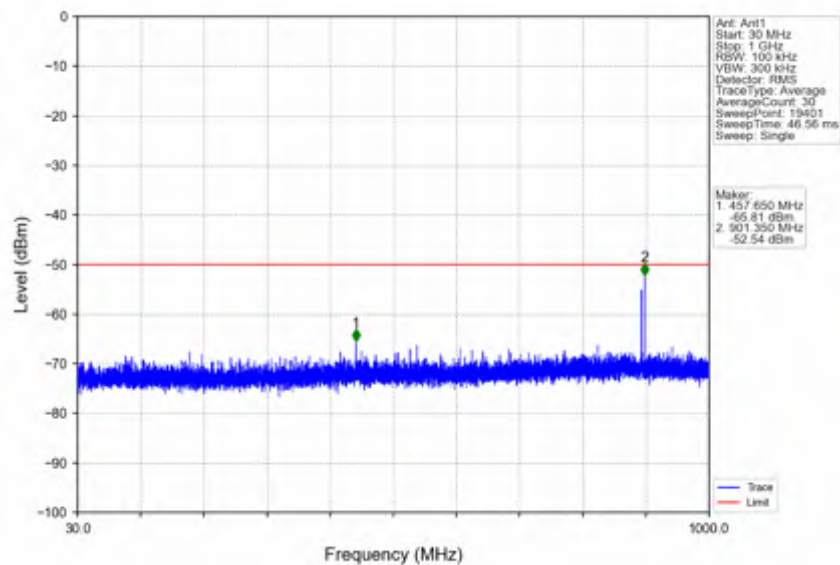
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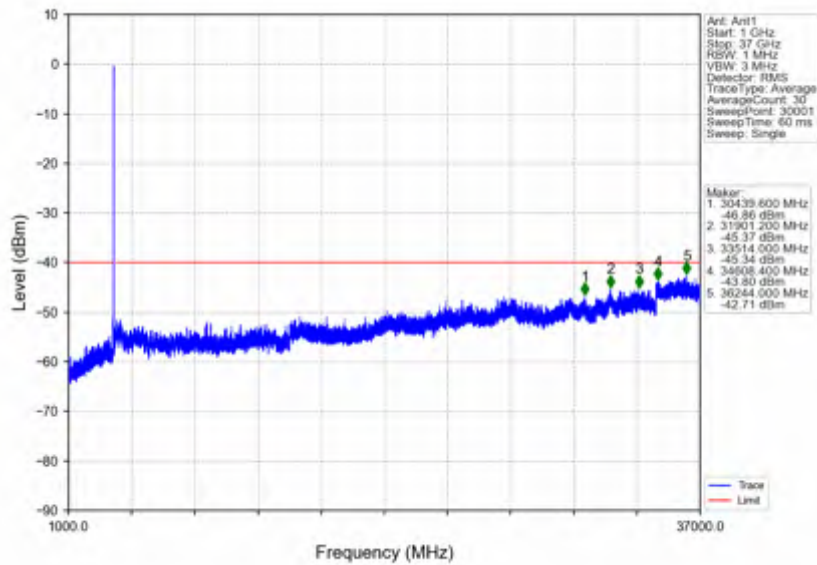
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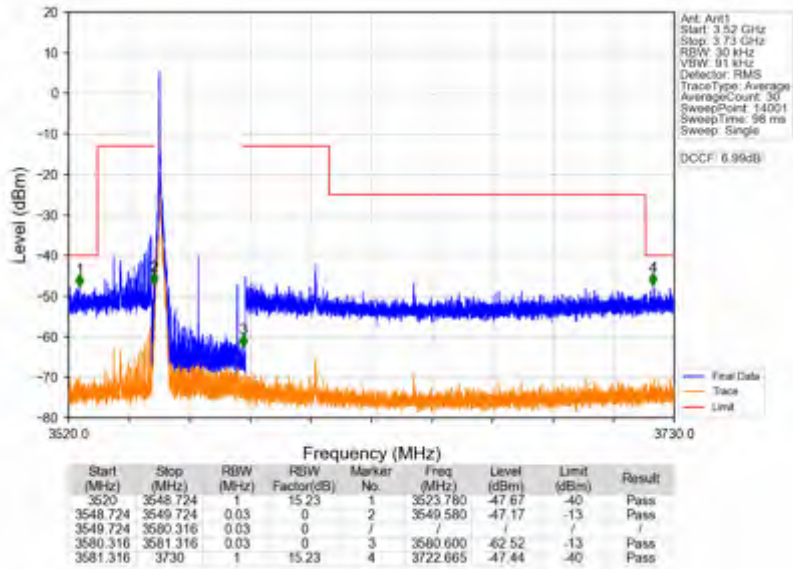
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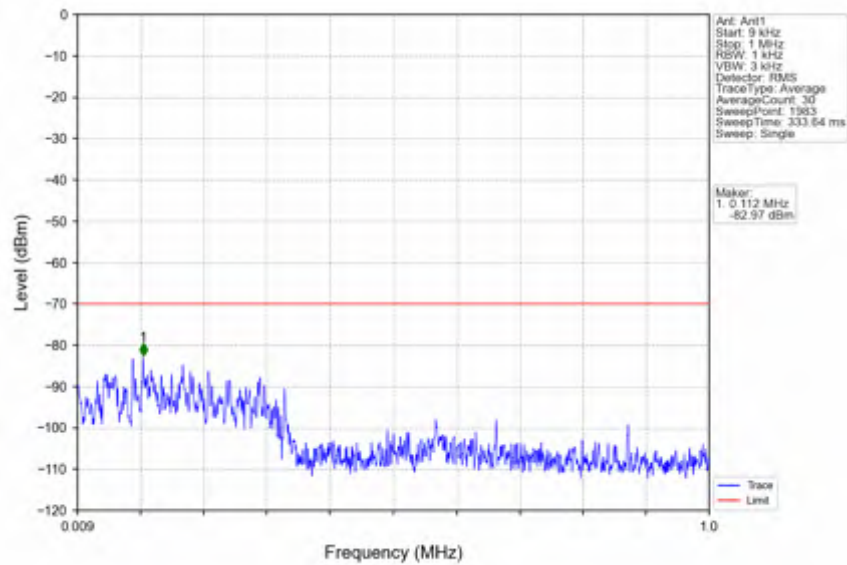


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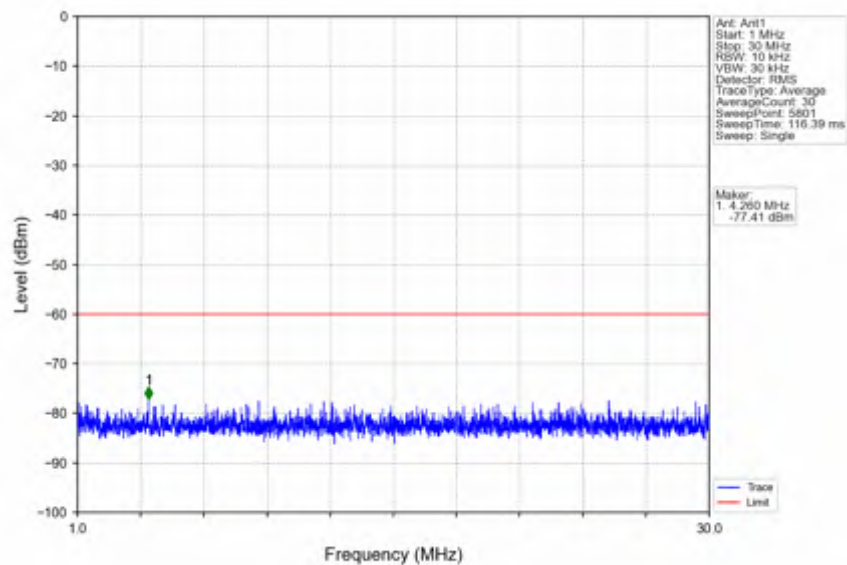
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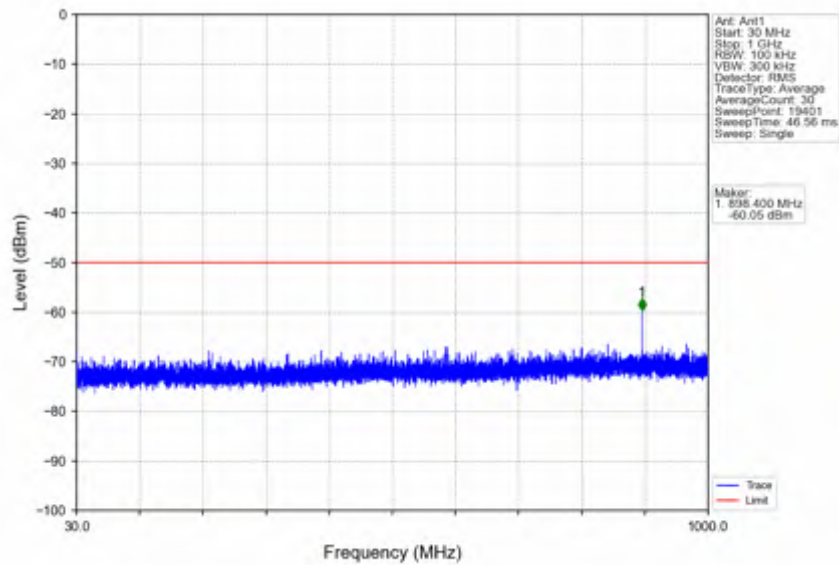
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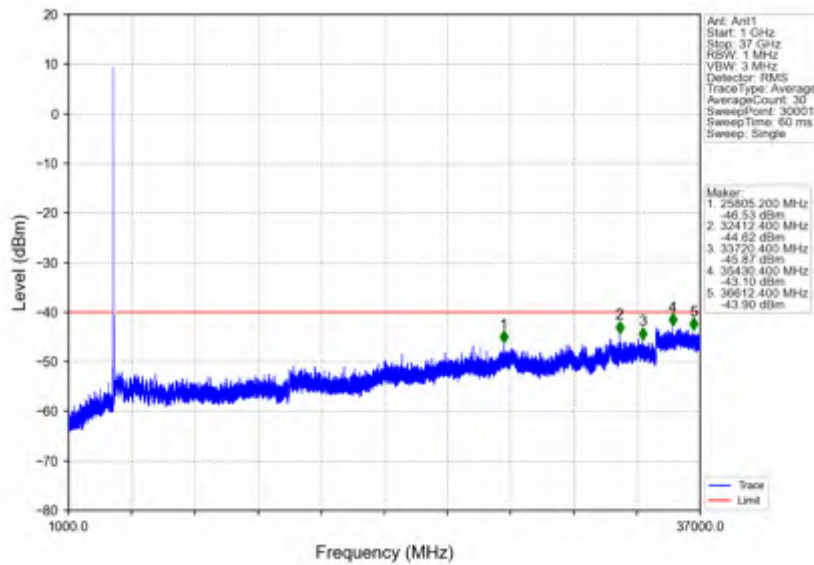
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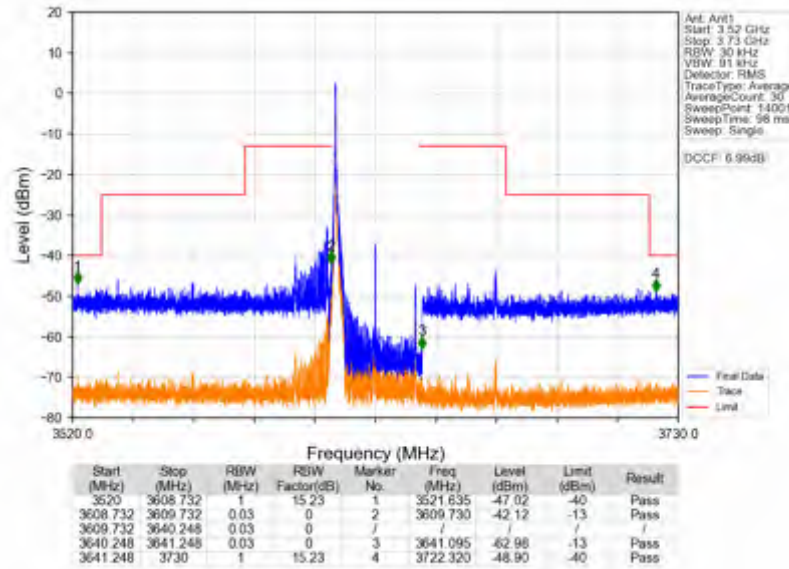
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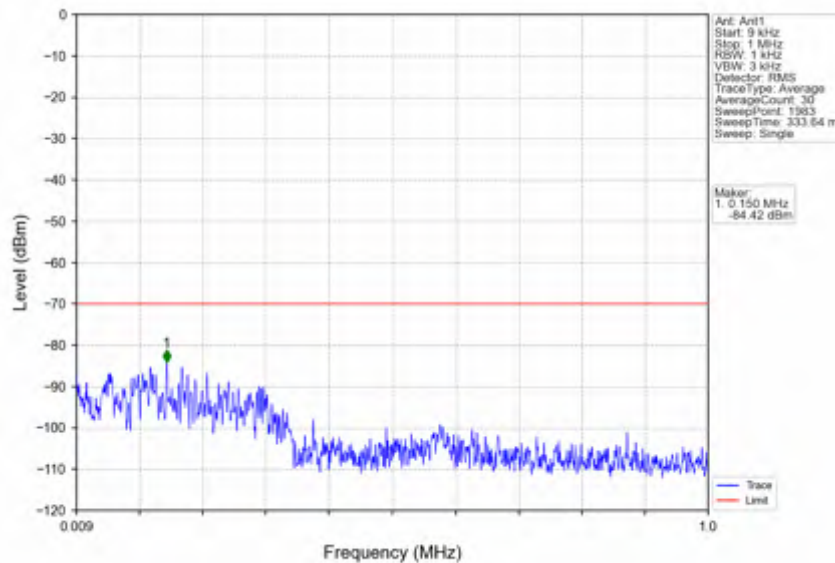
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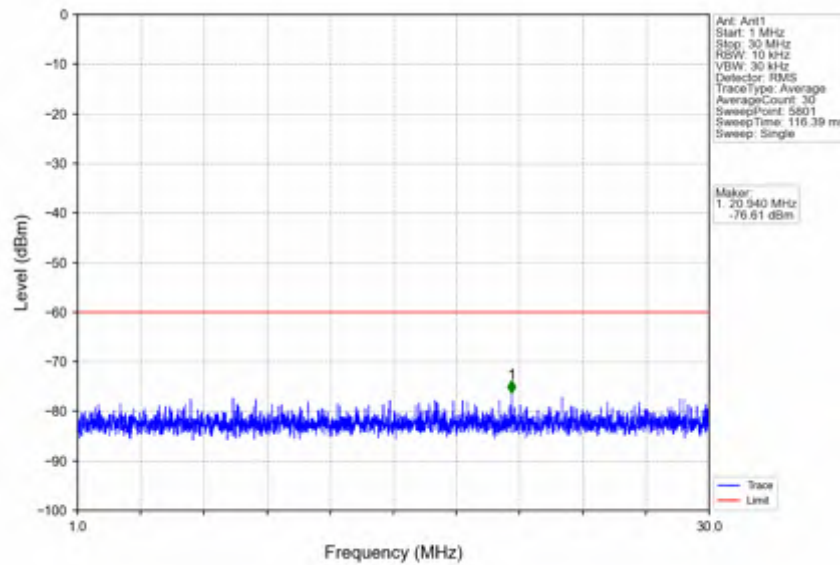


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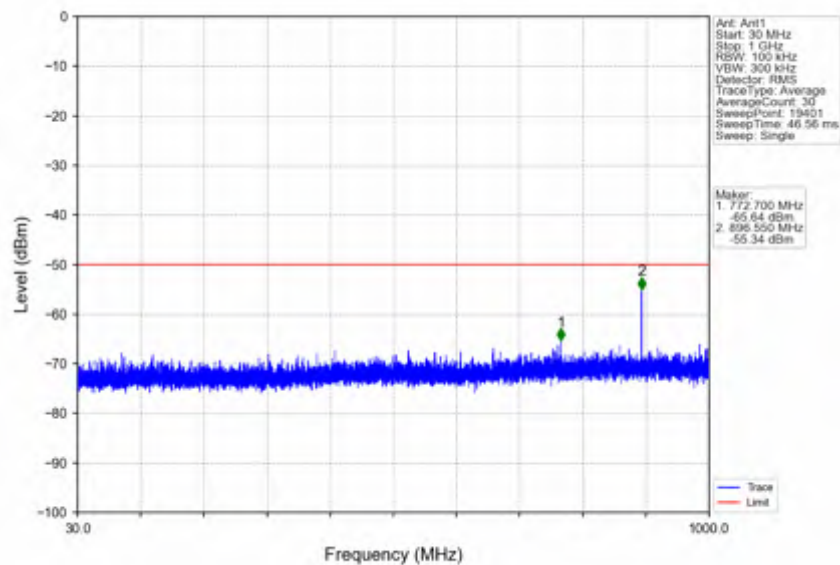
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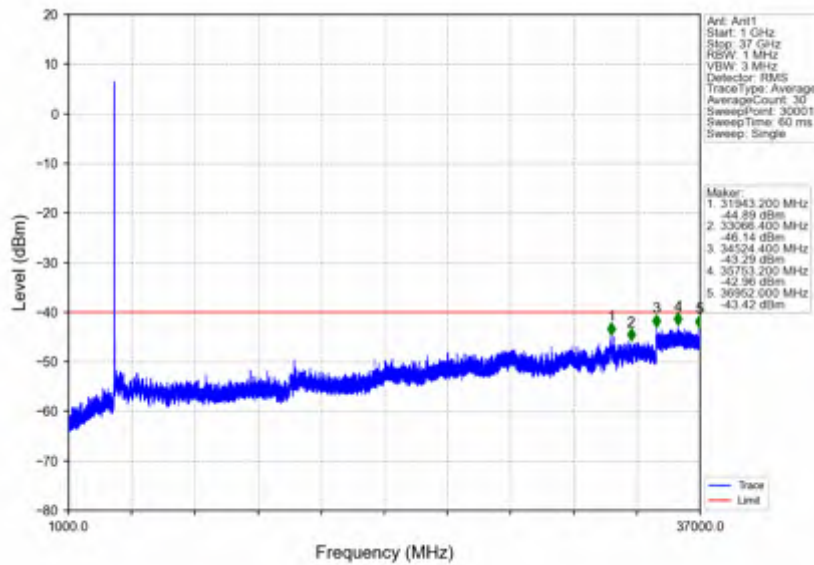
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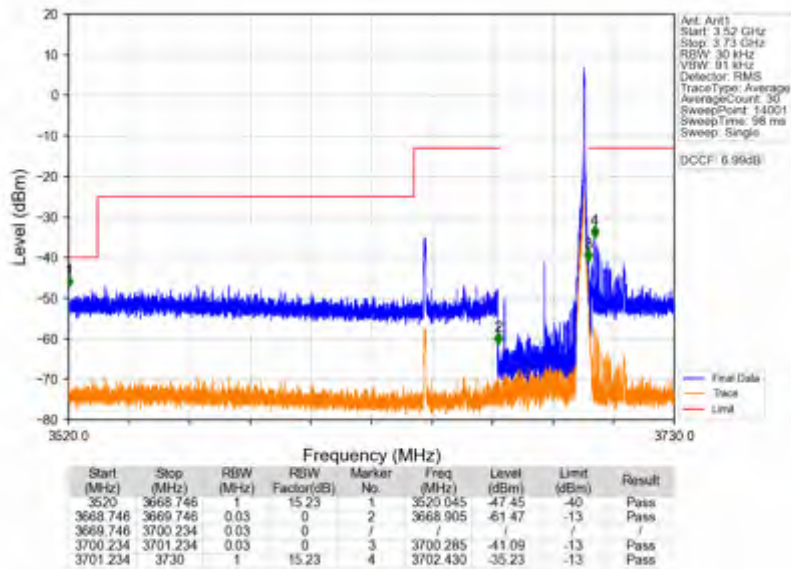
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n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3624.99MHz_Edge_1RB_Left



n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3684.99MHz_Edge_1RB_Right



| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3520 | 3668.746 | 1 | 15.23 | 1 | 3520.045 | -47.45 | -40 | Pass |
| 3668.746 | 3669.746 | 0.03 | 0 | 2 | 3668.905 | -61.47 | -13 | Pass |
| 3669.746 | 3700.234 | 0.03 | 0 | 3 | 3700.285 | -41.09 | -13 | Pass |
| 3700.234 | 3701.234 | 0.03 | 0 | 4 | 3702.430 | -35.23 | -13 | Pass |



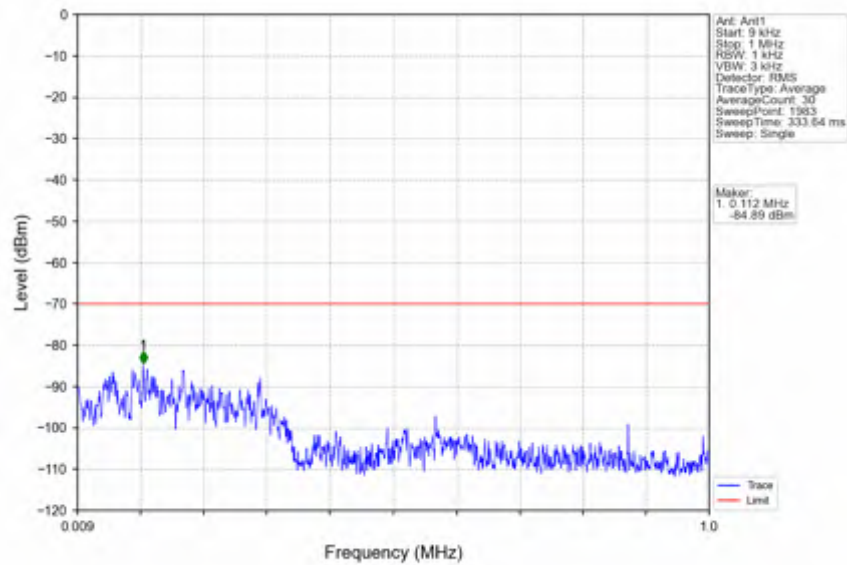
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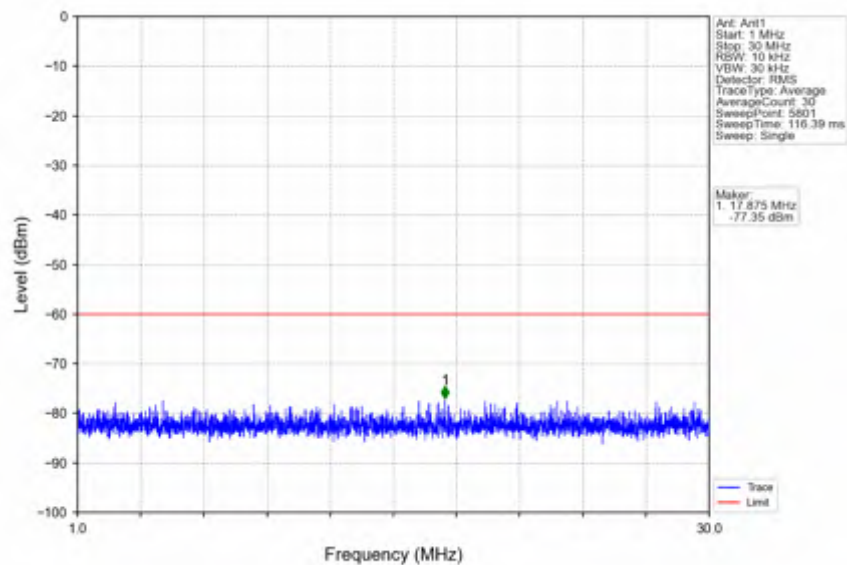
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n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3684.99MHz_Edge_1RB_Right



n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3684.99MHz_Edge_1RB_Right



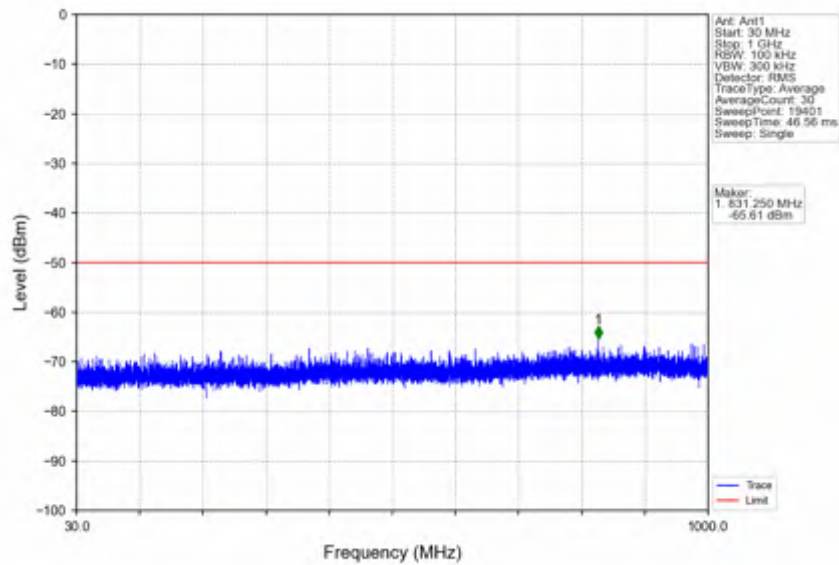
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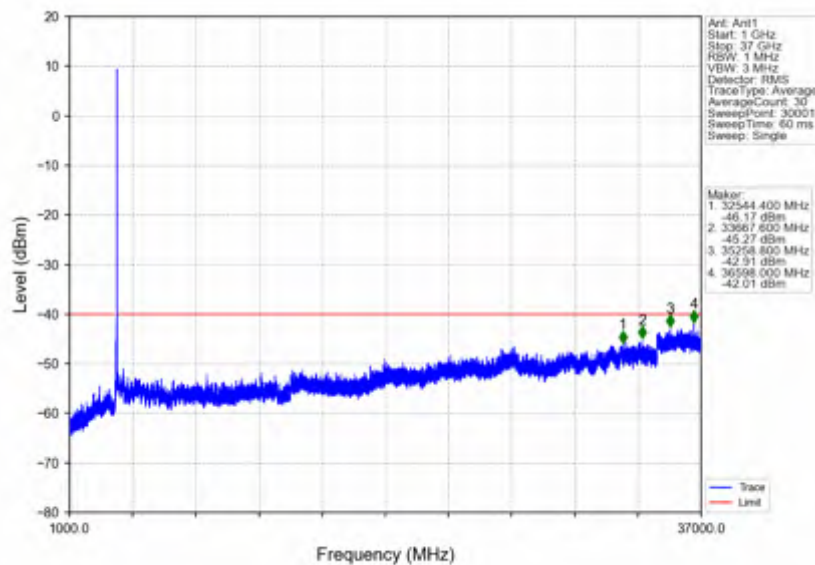
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n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3684.99MHz_Edge_1RB_Right



n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3684.99MHz_Edge_1RB_Right

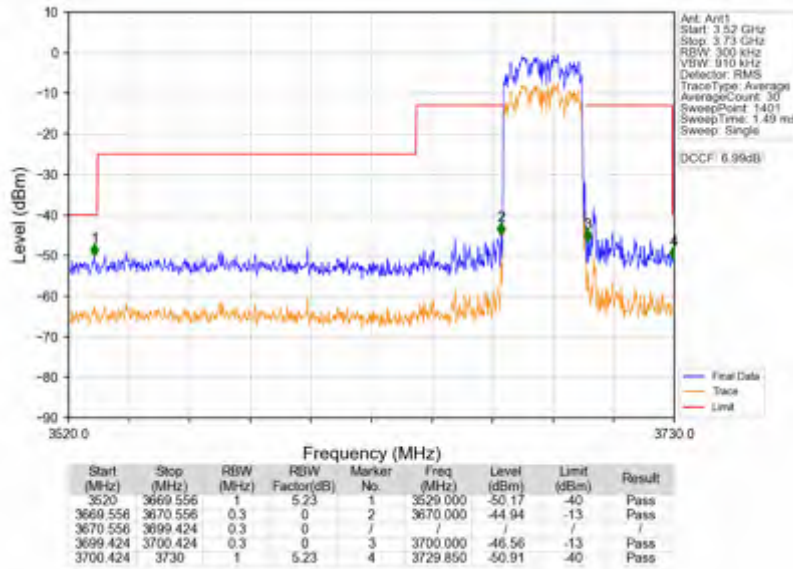


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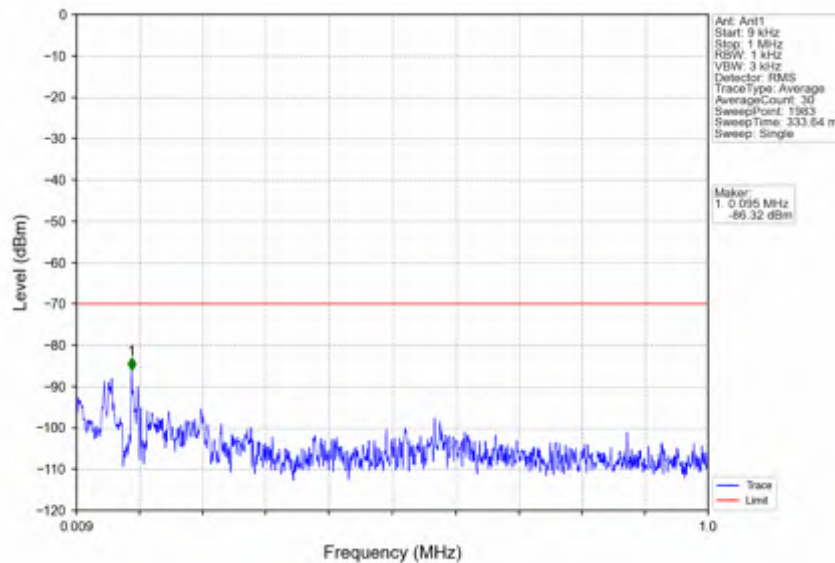
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n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3684.99MHz_Outer_Full



n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3684.99MHz_Outer_Full

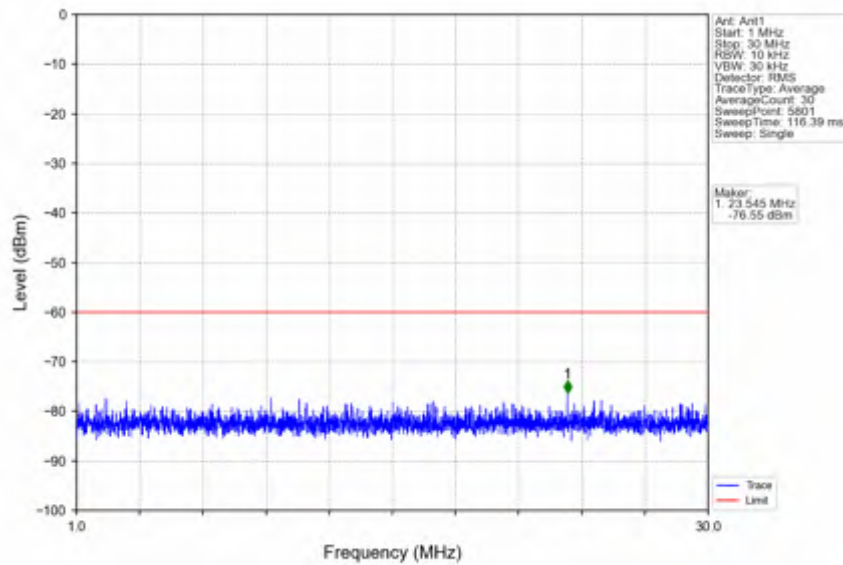


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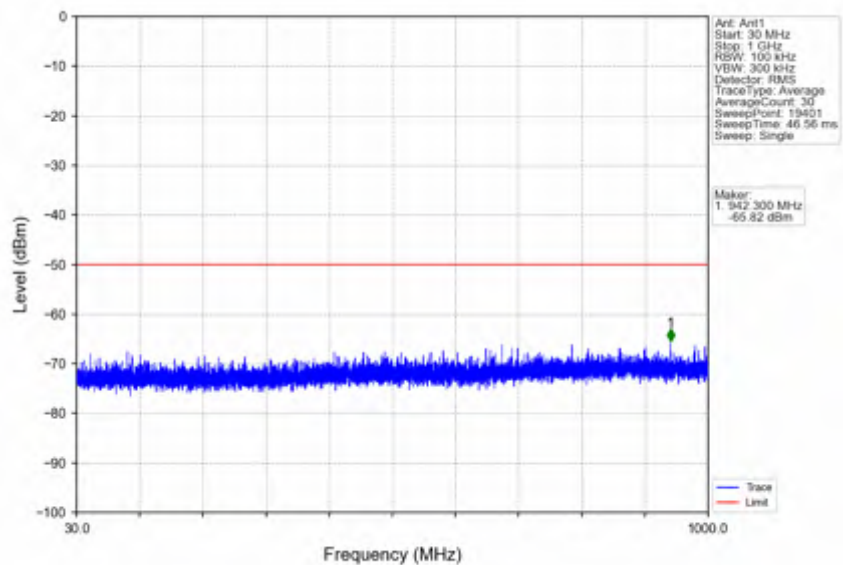
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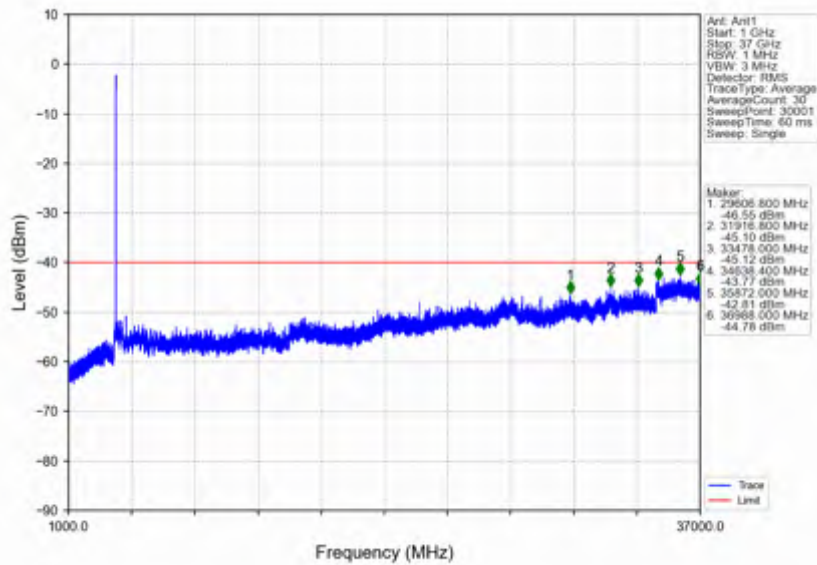
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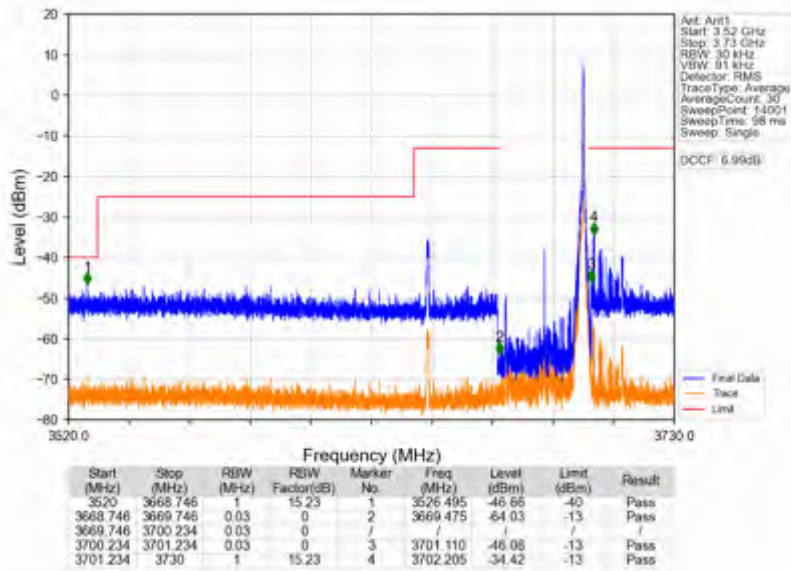
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n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3684.99MHz_Inner_1RB_Right

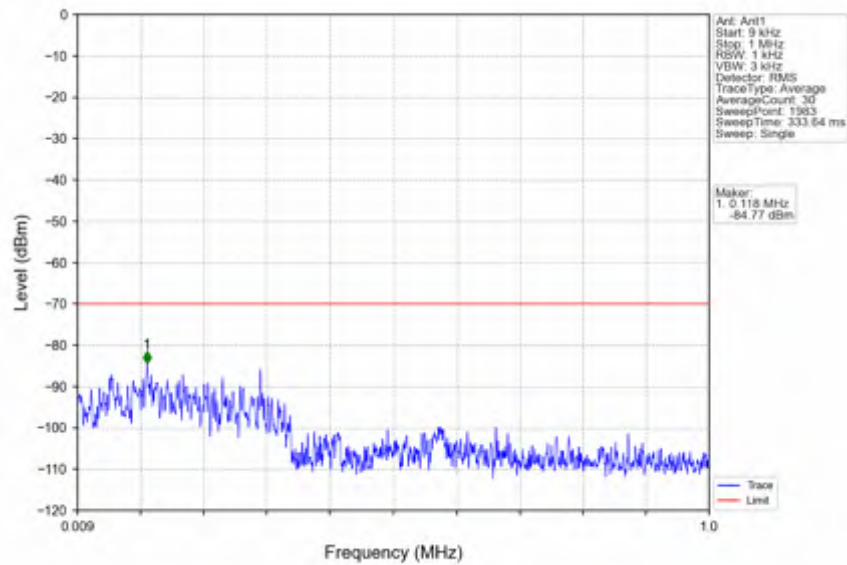


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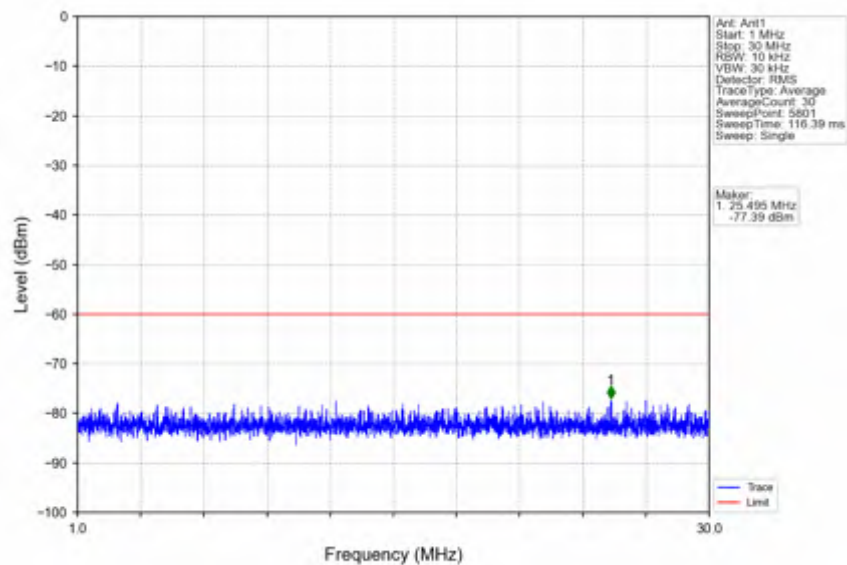
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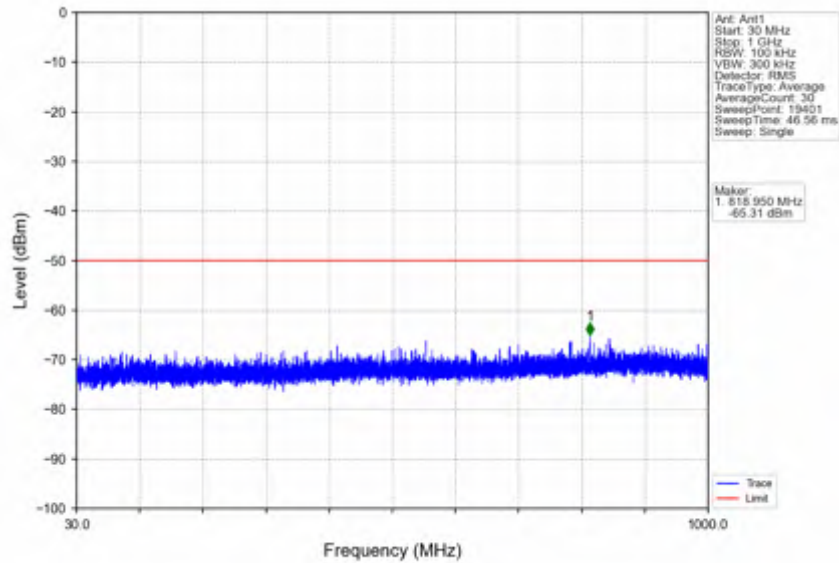


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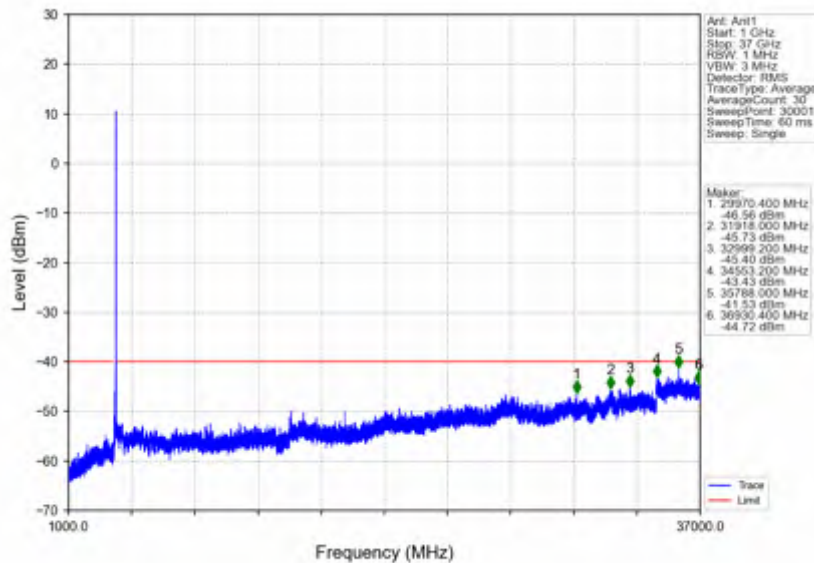
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n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3684.99MHz_Inner_1RB_Right



n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3684.99MHz_Inner_1RB_Right



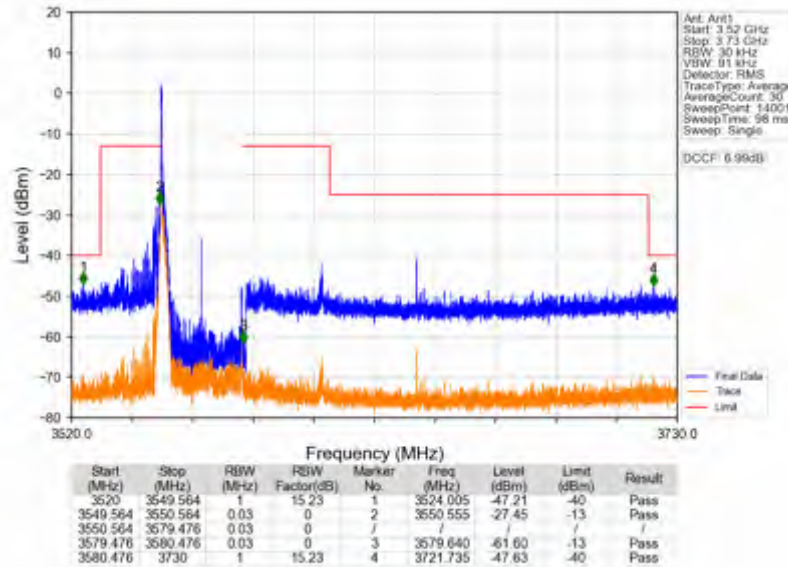
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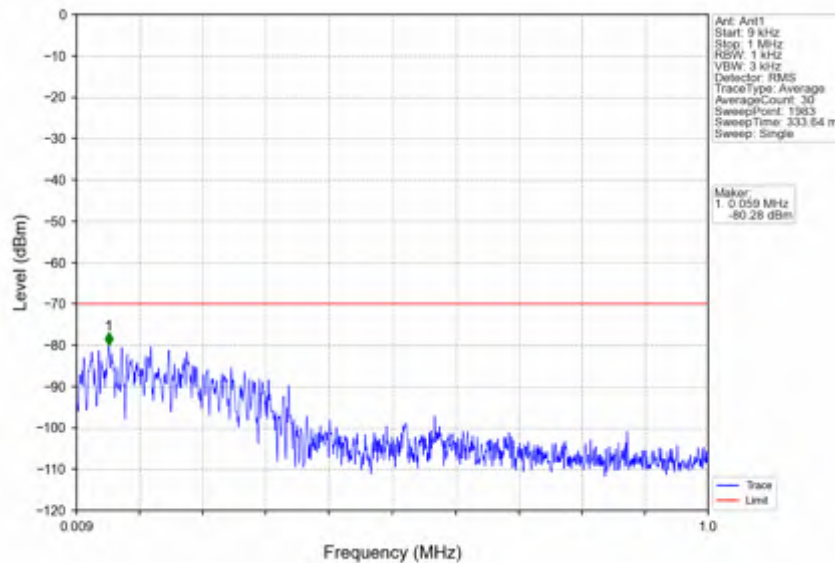
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n78d_30kHz_SISO_NTV_30MHz_CP-OFDM QPSK_3565.02MHz_Edge_1RB_Left

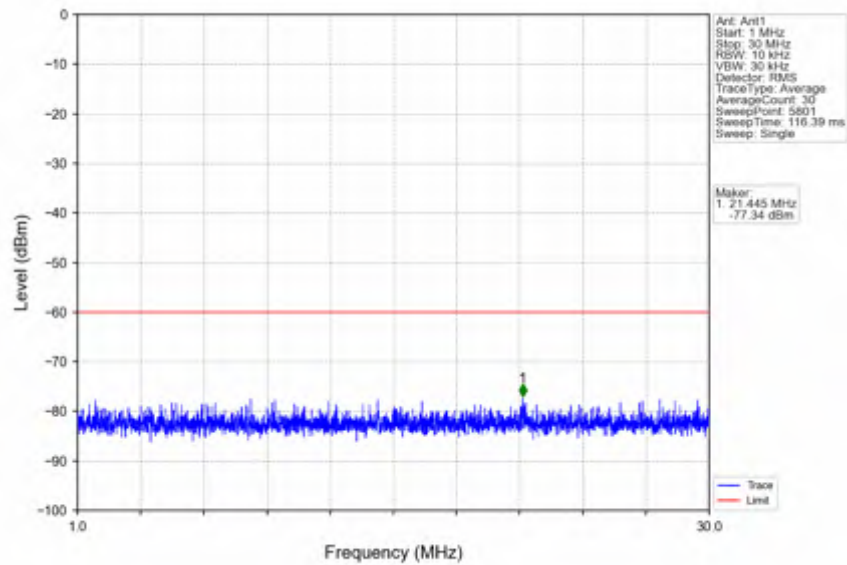


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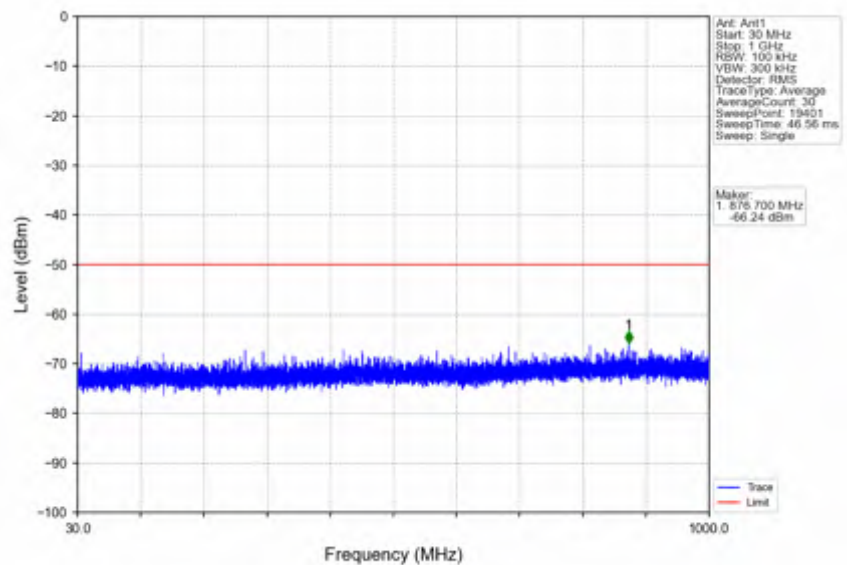
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n78d_30kHz_SISO_NTVV_30MHz_CP-OFDM QPSK_3565.02MHz_Edge_1RB_Left



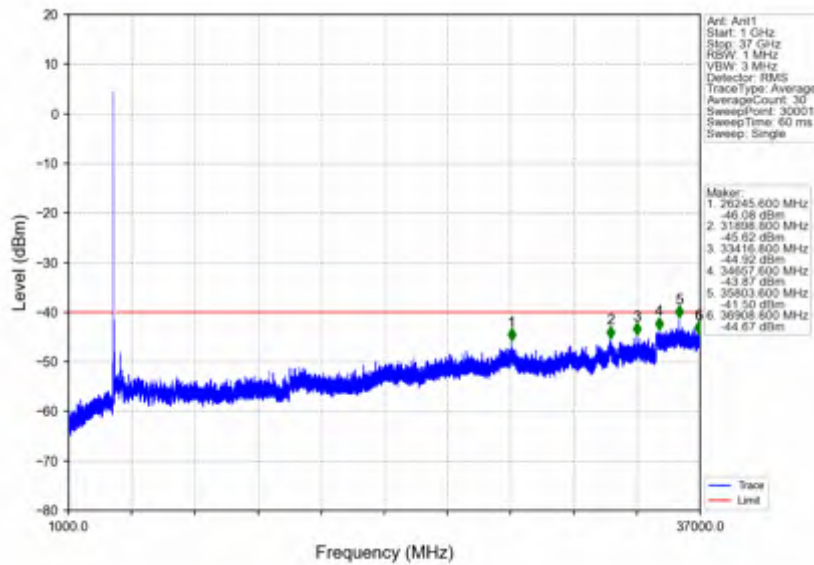
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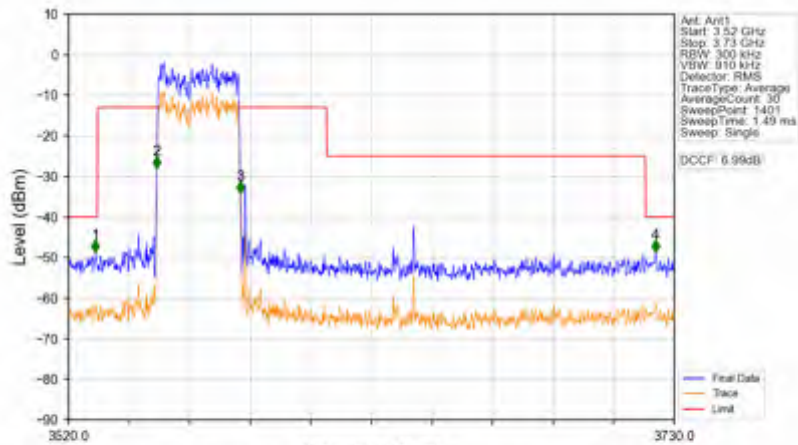
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n78d_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3565.02MHz_Outer_Full



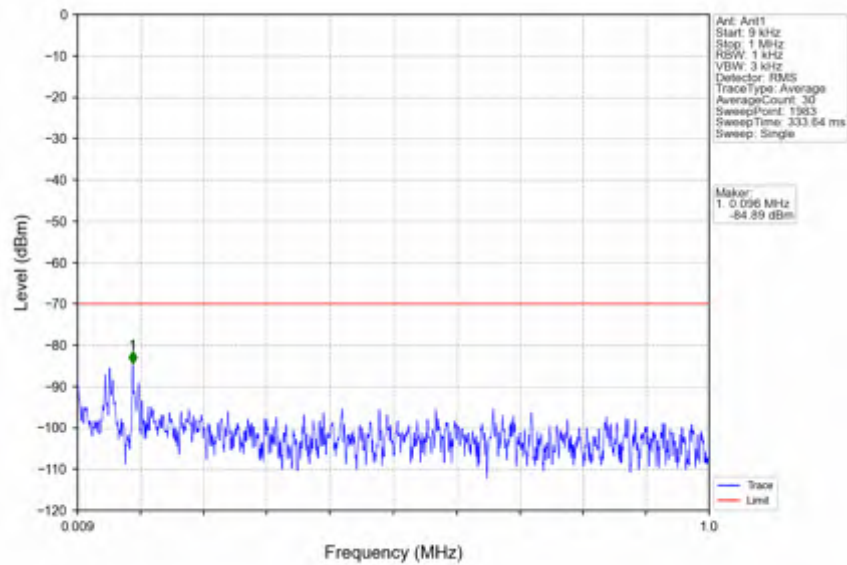
| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor (dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------------|------------|------------|-------------|-------------|--------|
| 3520 | 3549.637 | 1 | 5.23 | 1 | 3529.300 | -48.81 | -40 | Pass |
| 3549.637 | 3550.637 | 0.3 | 0 | 2 | 3550.600 | -28.15 | -13 | Pass |
| 3550.637 | 3579.403 | 0.3 | 0 | 3 | 3579.550 | -34.34 | -13 | Pass |
| 3579.403 | 3680.403 | 0.3 | 0 | 4 | 3723.550 | -48.72 | -40 | Pass |



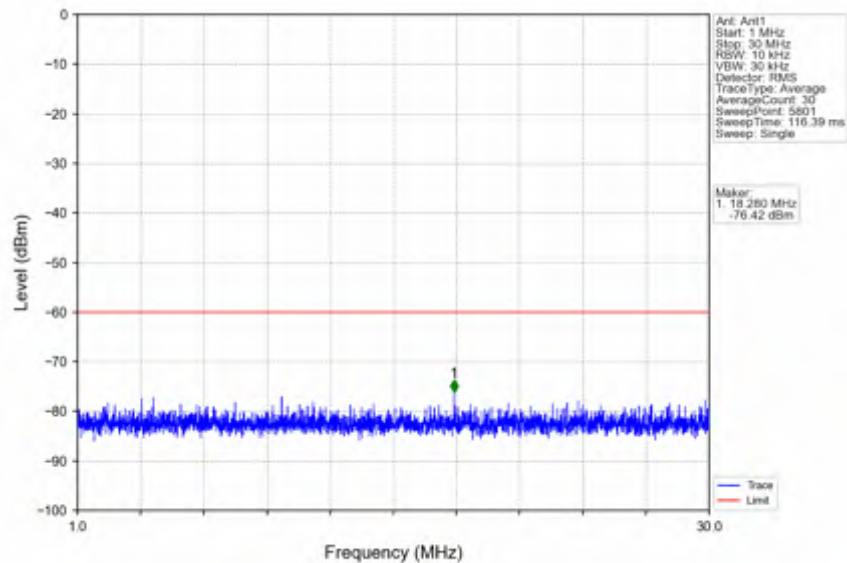
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n78d_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3565.02MHz_Outer_Full



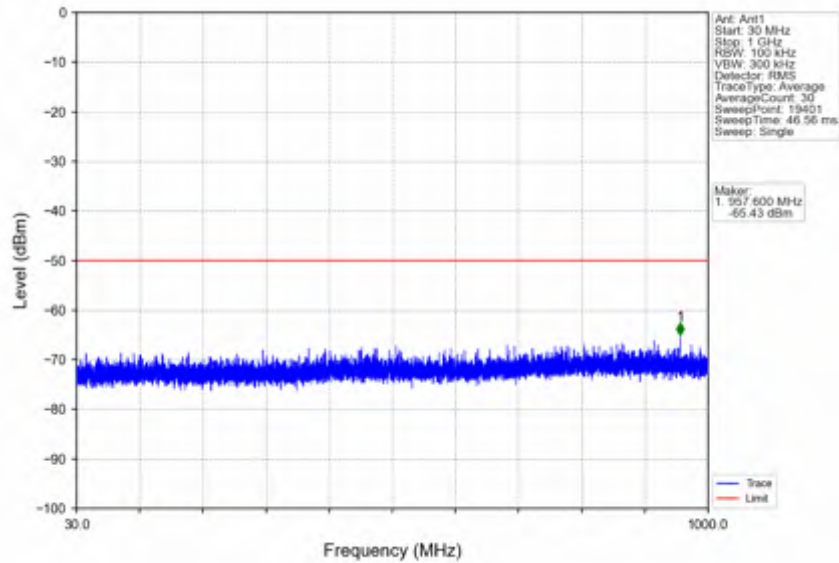
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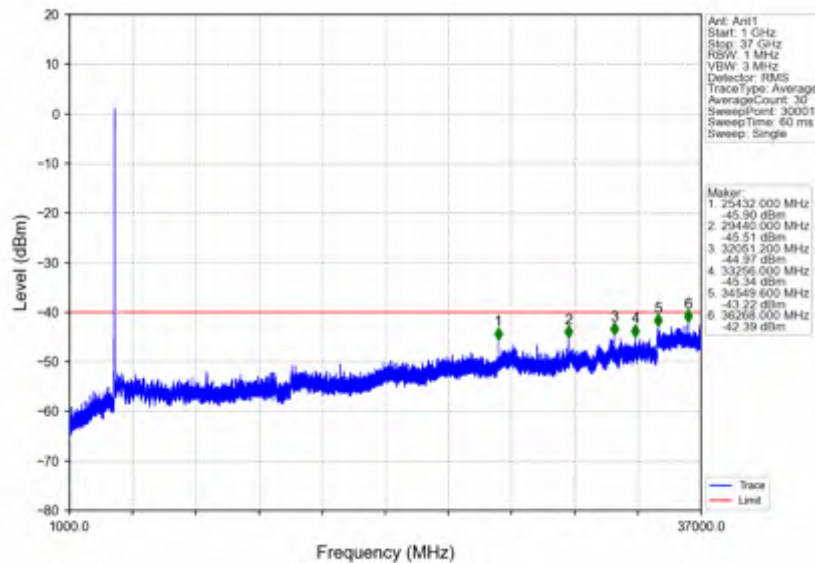
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n78d_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3565.02MHz_Outer_Full



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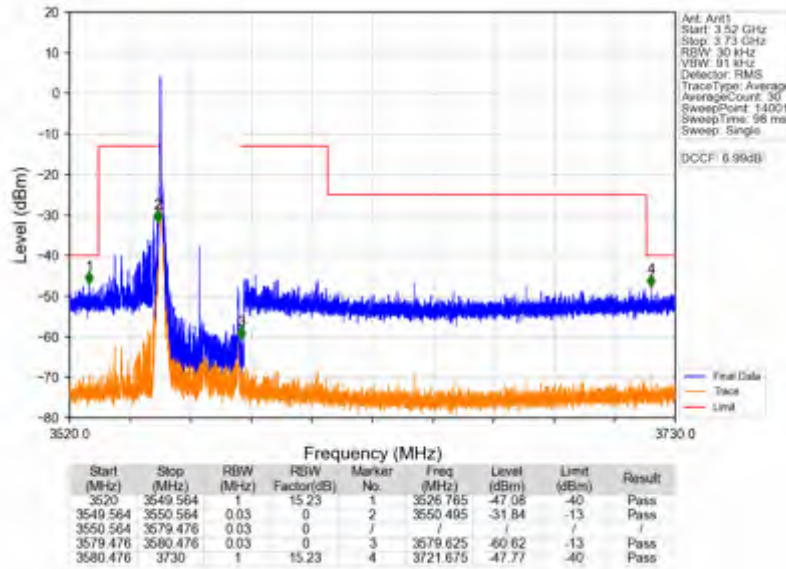


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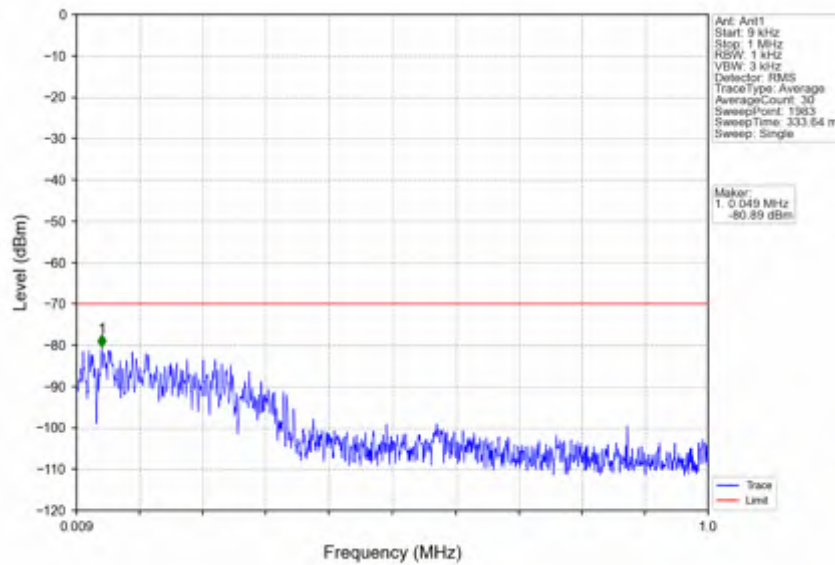
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n78d_30kHz_SISO_NTV_30MHz_CP-OFDM_QPSK_3565.02MHz_Inner_1RB_Left



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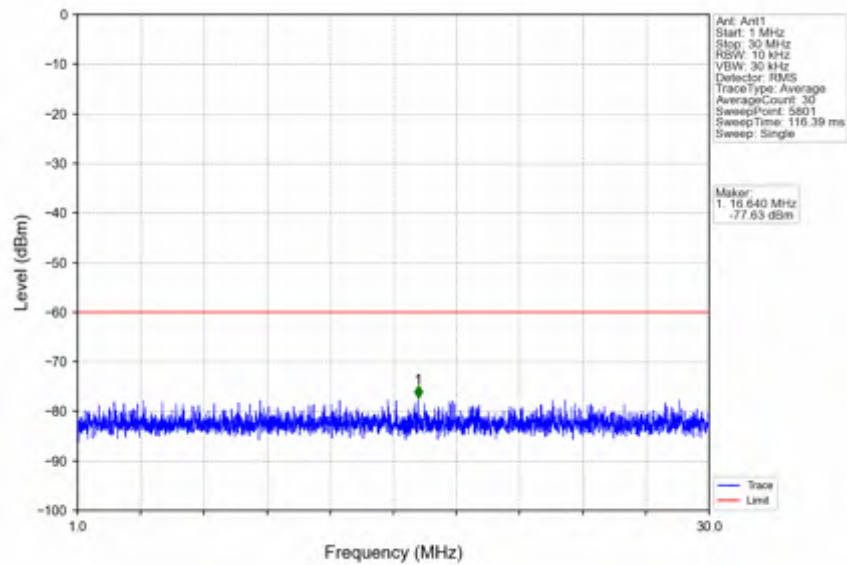


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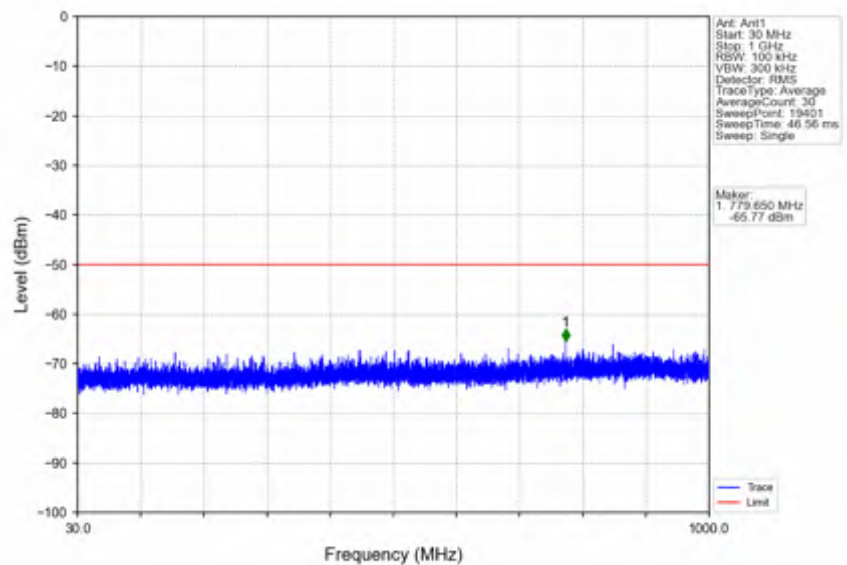
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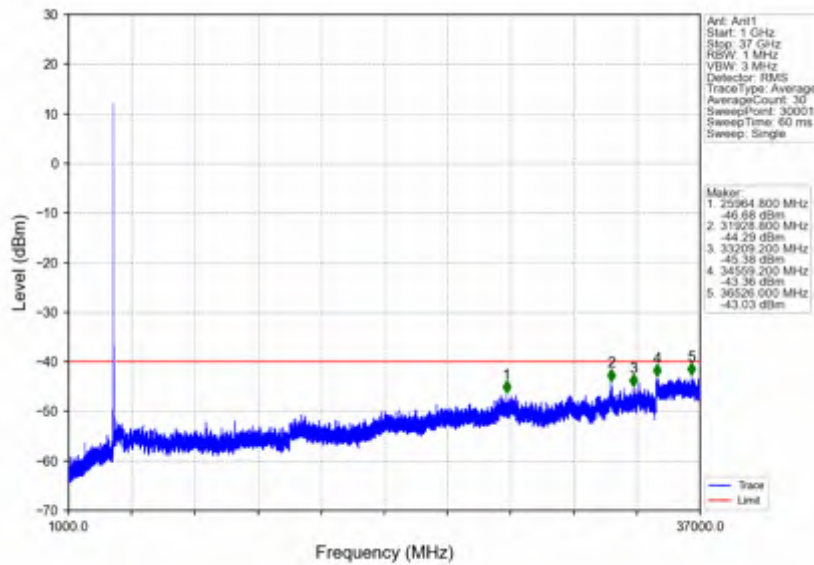
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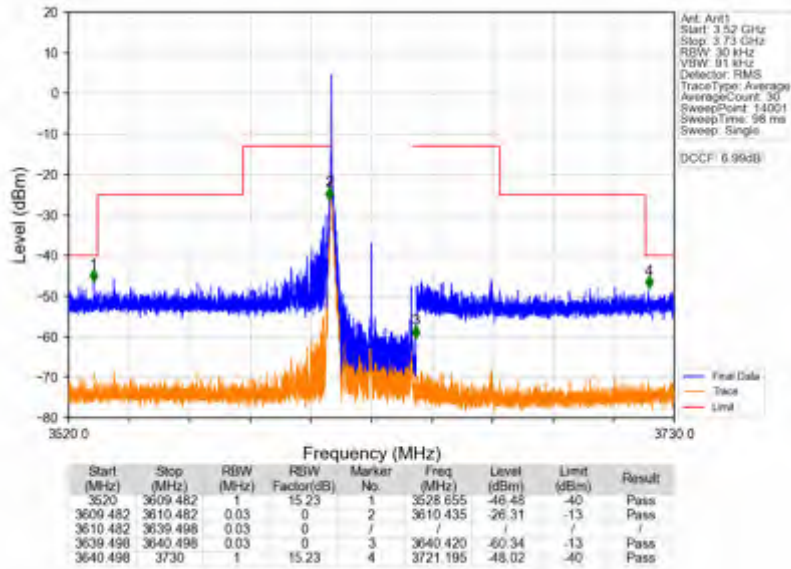
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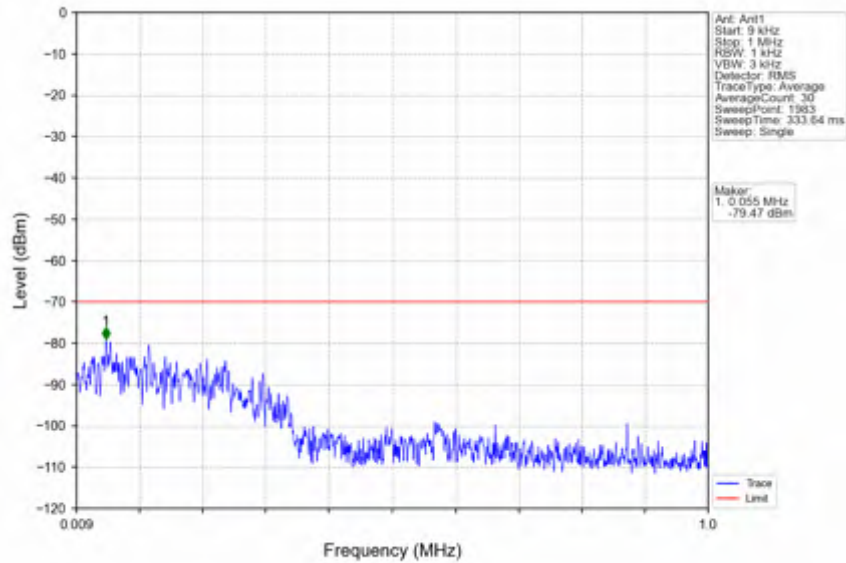
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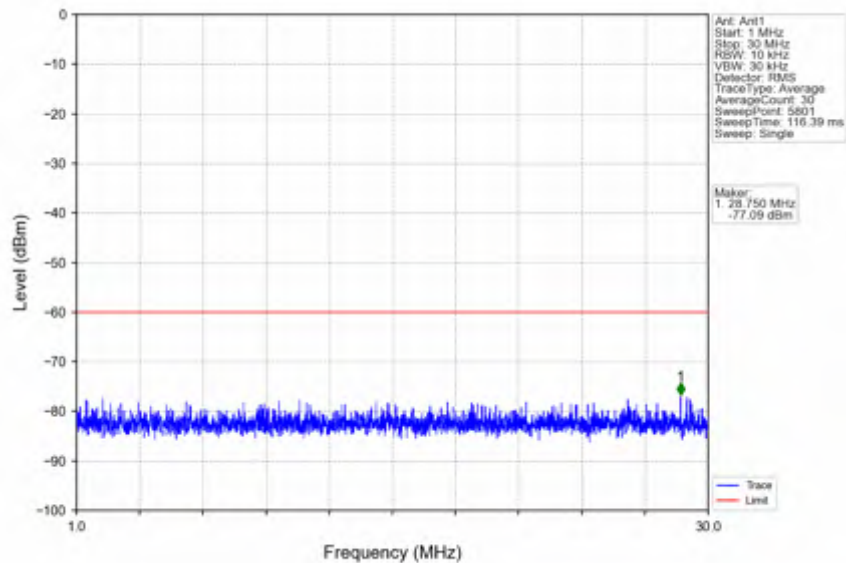
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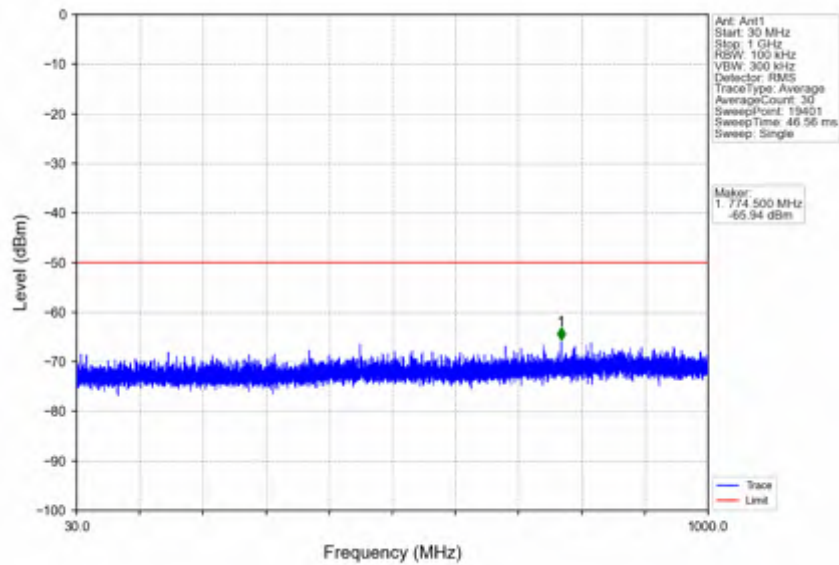
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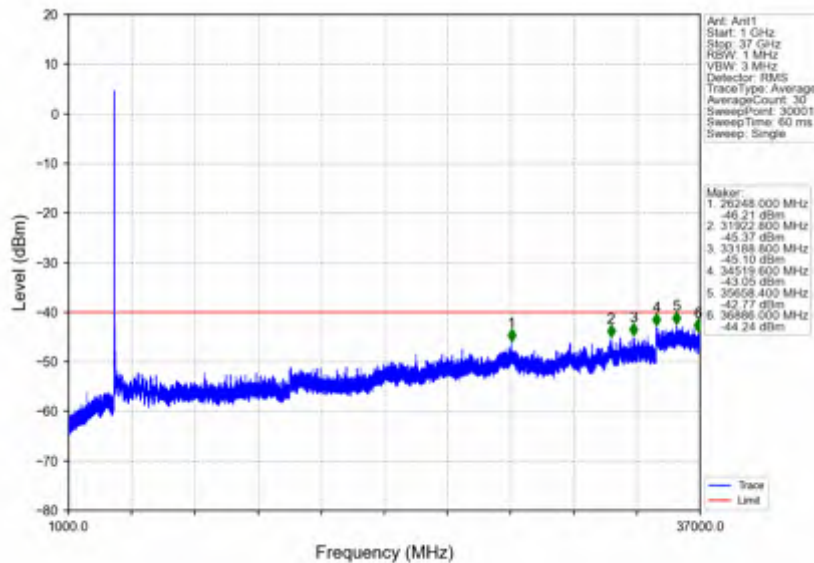
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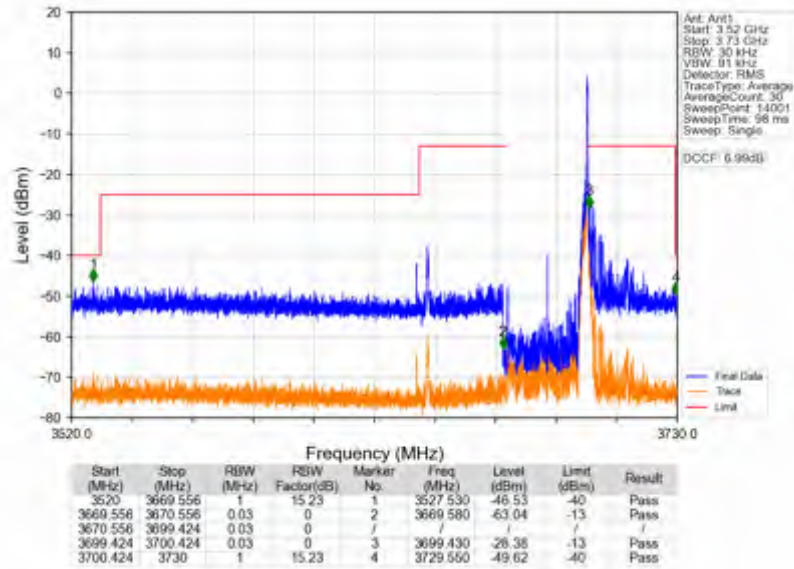
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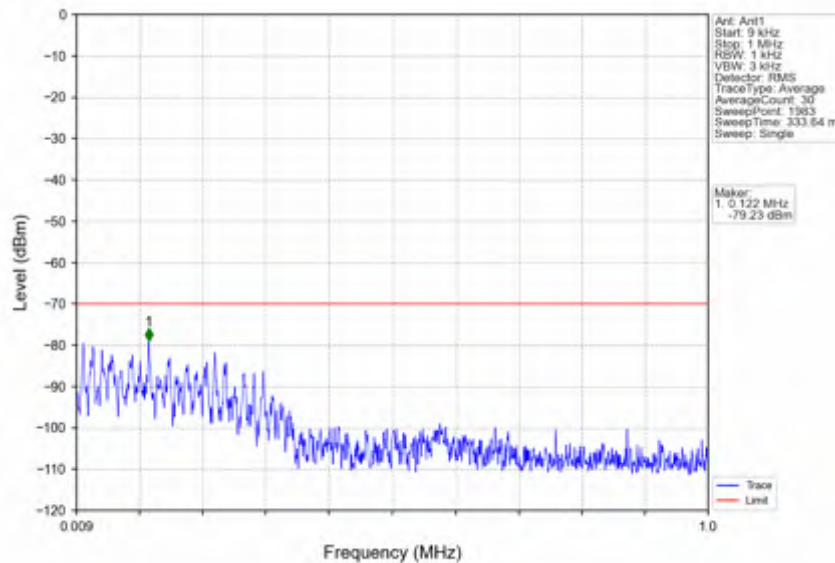
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n78d_30kHz_SISO_NTV_30MHz_CP-OFDM QPSK_3684.99MHz_Edge_1RB_Right



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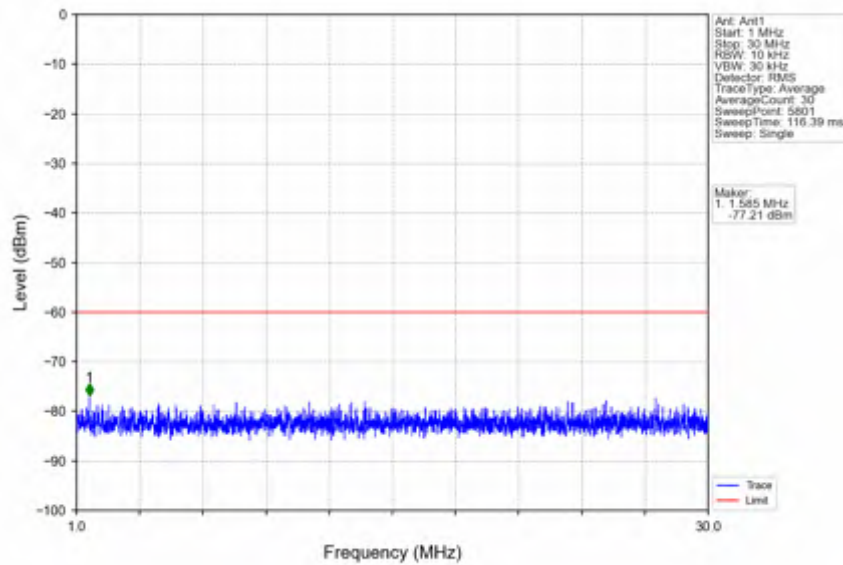


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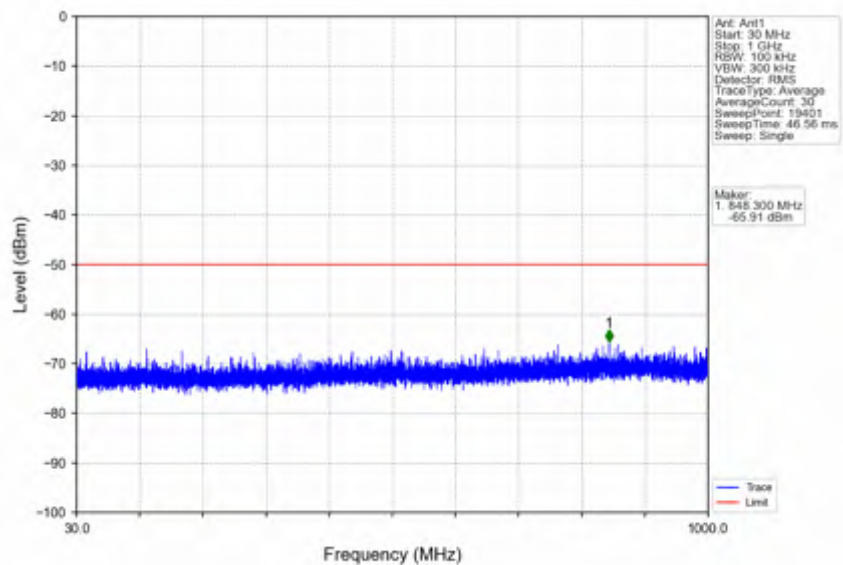
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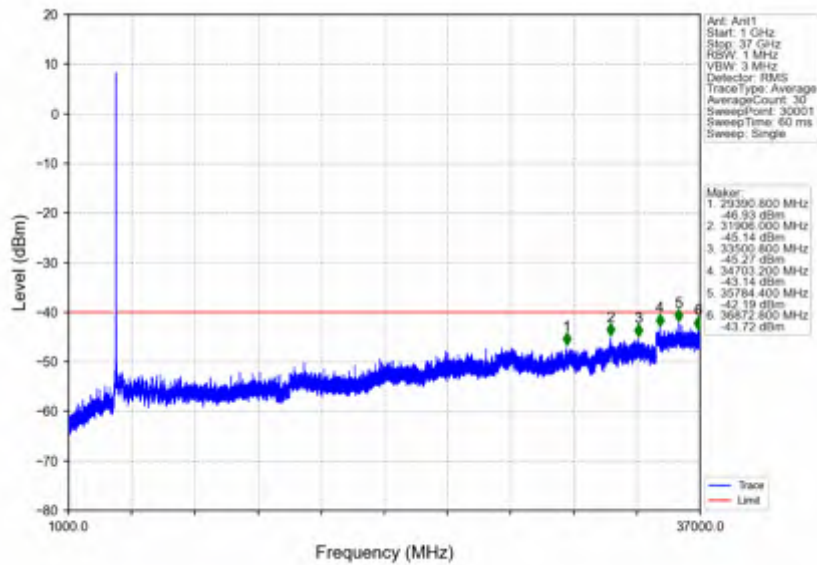


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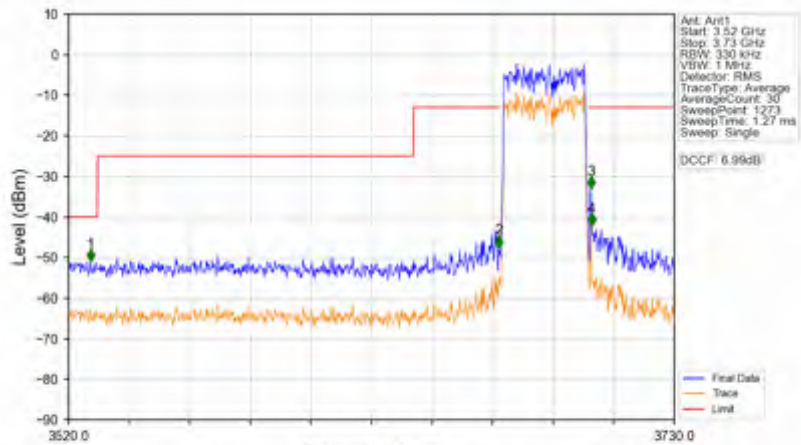
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n78d_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3684.99MHz_Edge_1RB_Right



n78d_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3684.99MHz_Outer_Full



| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3520 | 3668.668 | 1 | 4.81 | 1 | 3527.594 | -50.99 | -40 | Pass |
| 3668.668 | 3669.668 | 0.33 | 0 | 2 | 3669.245 | -47.61 | -13 | Pass |
| 3700.312 | 3701.312 | 0.33 | 0 | 3 | 3701.108 | -33.06 | -13 | Pass |
| 3701.312 | 3730 | 1 | 4.81 | 4 | 3701.439 | -42.18 | -13 | Pass |

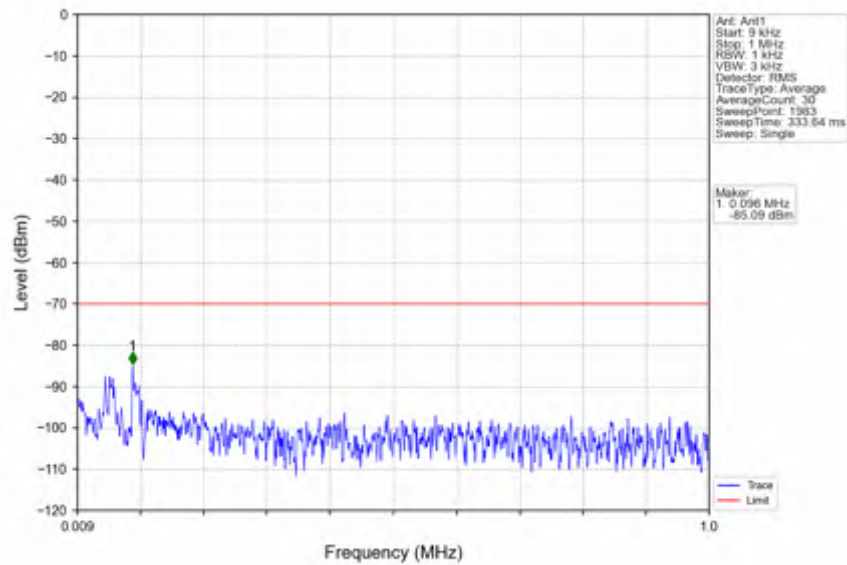


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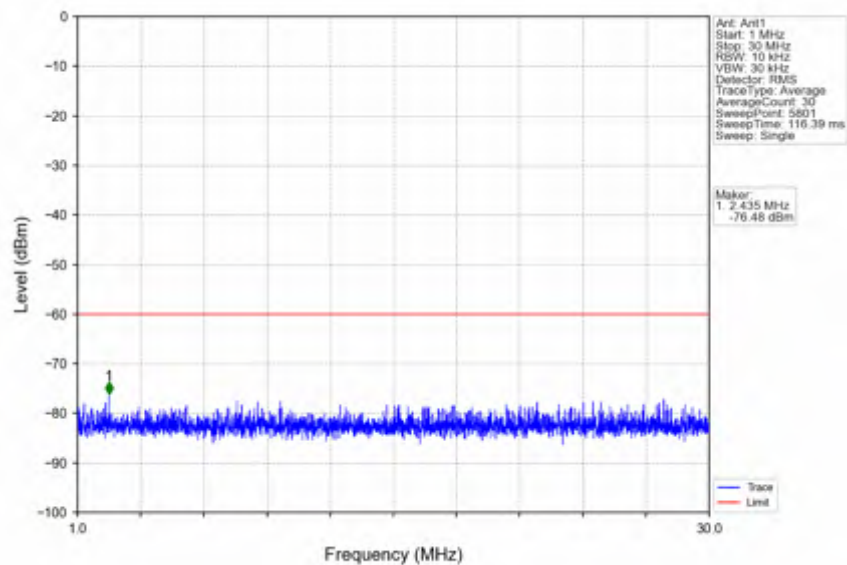
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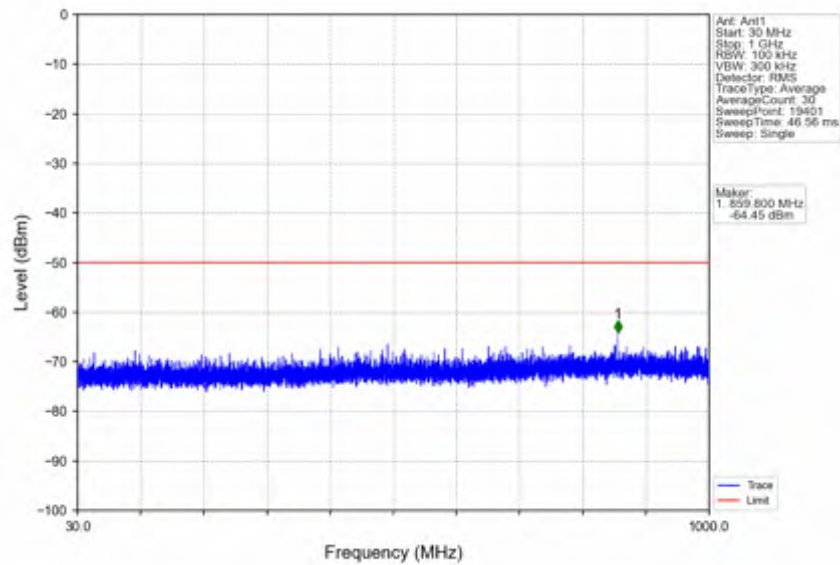
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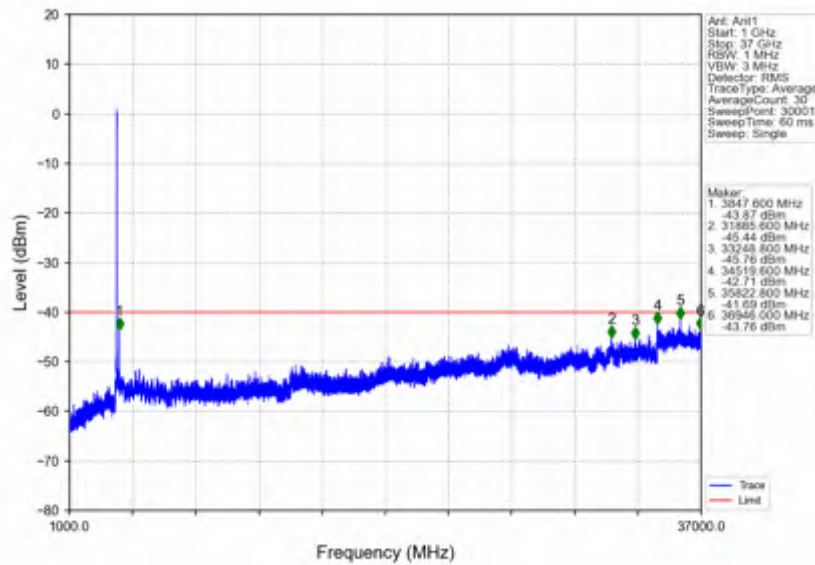
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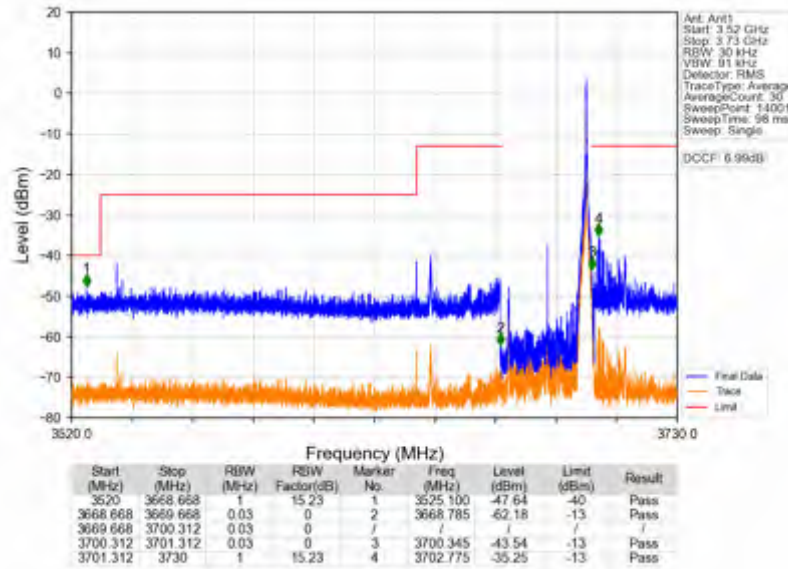
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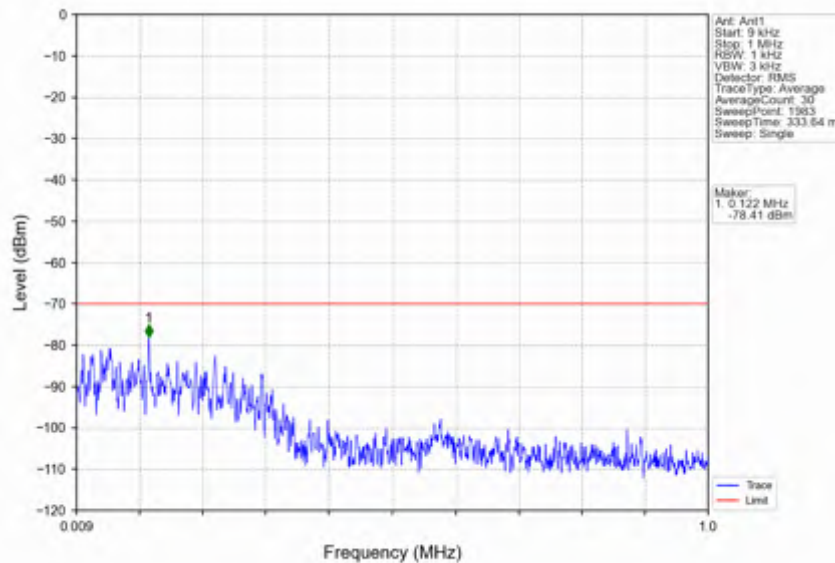
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n78d_30kHz_SISO_NTV_30MHz_CP-OFDM QPSK_3684.99MHz_Inner_1RB_Right



n78d_30kHz_SISO_NTV_30MHz_CP-OFDM QPSK_3684.99MHz_Inner_1RB_Right

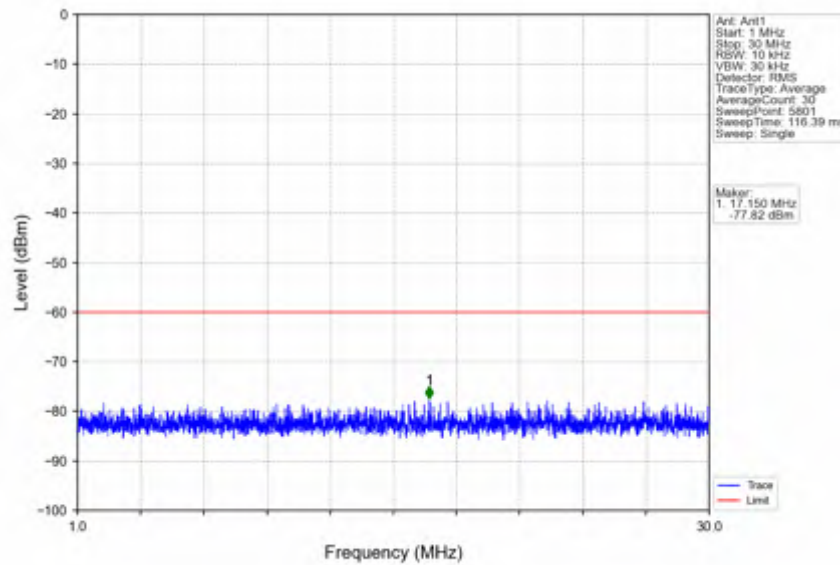


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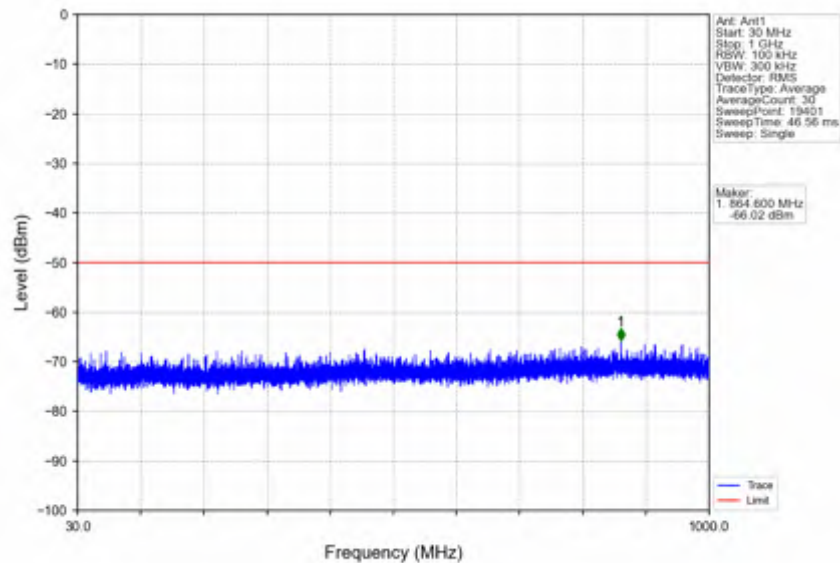
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n78d_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3684.99MHz_Inner_1RB_Right



n78d_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3684.99MHz_Inner_1RB_Right



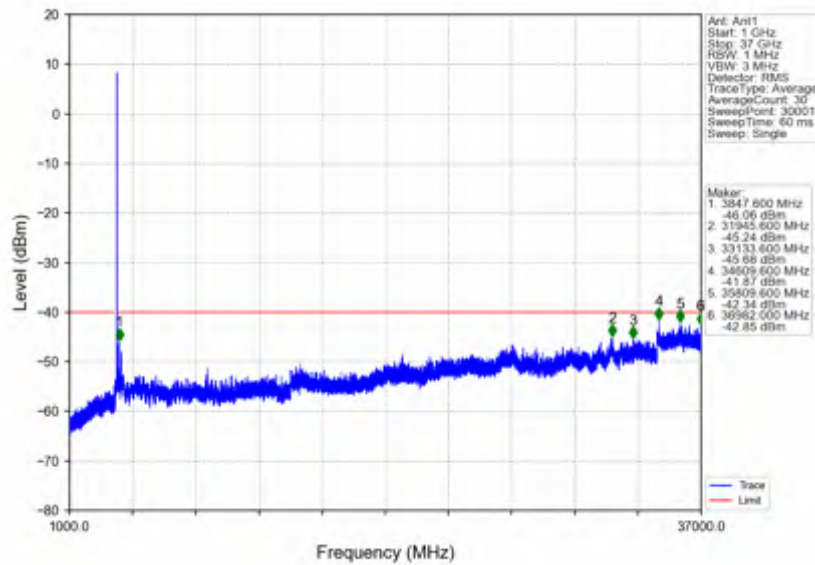
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n78d_30kHz_SISO_NTV_30MHz_CP-OFDM QPSK_3684.99MHz_Inner_1RB_Right



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8.13 30k_SISO_40MHz_NTNV

8.13.1 Test Result

| 5G NR n78d SCS=30kHz SISO 40MHz NTV | | | | | | |
|-------------------------------------|-----------------|---------------------|---------------------|------|------|---------|
| Modulation | Frequency (MHz) | RB Allocation | Spurious Emission | | | Verdict |
| | | | Ant1 | Ant2 | Sum | |
| DFT-s-OFDM PI/2 BPSK | 3570 | Edge_1RB_Left | Refer To Test Graph | | | Pass |
| | | Outer_Full | Refer To Test Graph | | | Pass |
| | | Inner_1RB_Left | Refer To Test Graph | | | Pass |
| | 3624.99 | Edge_1RB_Left | Refer To Test Graph | | | Pass |
| | | Edge_1RB_Right | Refer To Test Graph | | | Pass |
| | | Outer_Full | Refer To Test Graph | | | Pass |
| 3679.98 | Inner_1RB_Right | Refer To Test Graph | | | Pass | |
| | Edge_1RB_Left | Refer To Test Graph | | | Pass | |
| | Outer_Full | Refer To Test Graph | | | Pass | |
| DFT-s-OFDM QPSK | 3570 | Inner_1RB_Left | Refer To Test Graph | | | Pass |
| | | Edge_1RB_Left | Refer To Test Graph | | | Pass |
| | | Edge_1RB_Right | Refer To Test Graph | | | Pass |
| | 3624.99 | Outer_Full | Refer To Test Graph | | | Pass |
| | | Inner_1RB_Right | Refer To Test Graph | | | Pass |
| | | Edge_1RB_Left | Refer To Test Graph | | | Pass |
| CP-OFDM QPSK | 3570 | Outer_Full | Refer To Test Graph | | | Pass |
| | | Inner_1RB_Left | Refer To Test Graph | | | Pass |
| | | Edge_1RB_Left | Refer To Test Graph | | | Pass |
| | 3624.99 | Edge_1RB_Right | Refer To Test Graph | | | Pass |
| | | Outer_Full | Refer To Test Graph | | | Pass |
| | | Inner_1RB_Right | Refer To Test Graph | | | Pass |

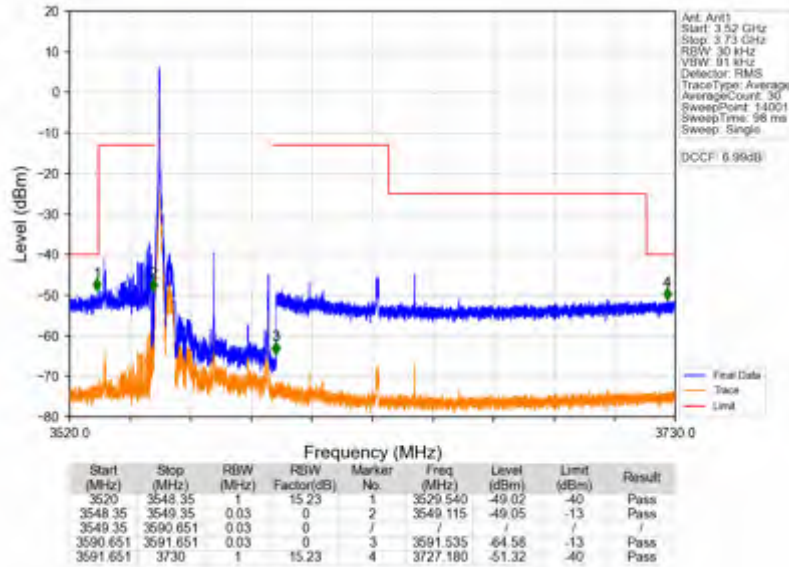


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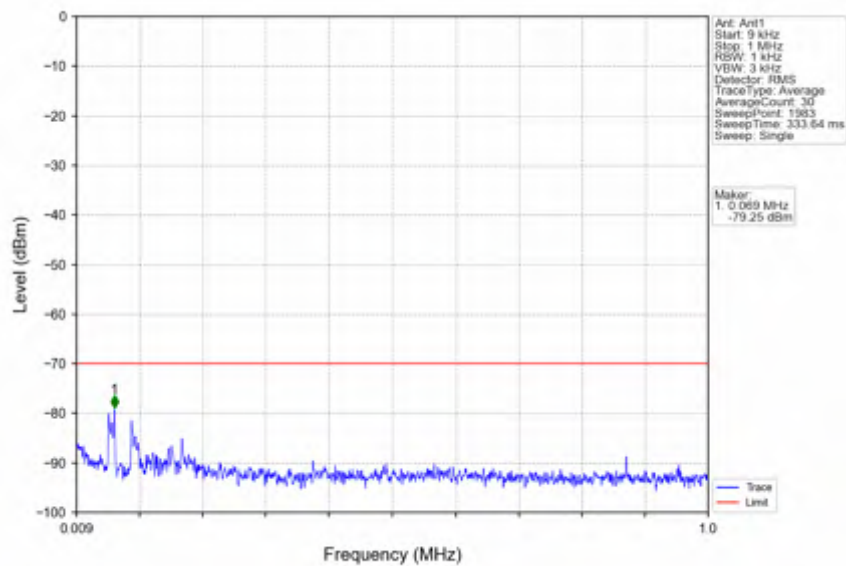
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8.13.2 Test Graph

n78d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3570MHz_Edge_1RB_Left



n78d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3570MHz_Edge_1RB_Left

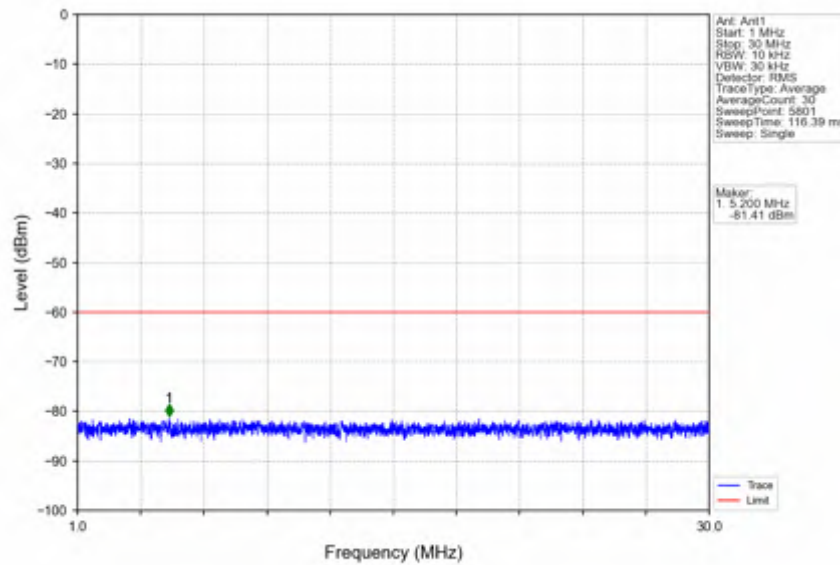


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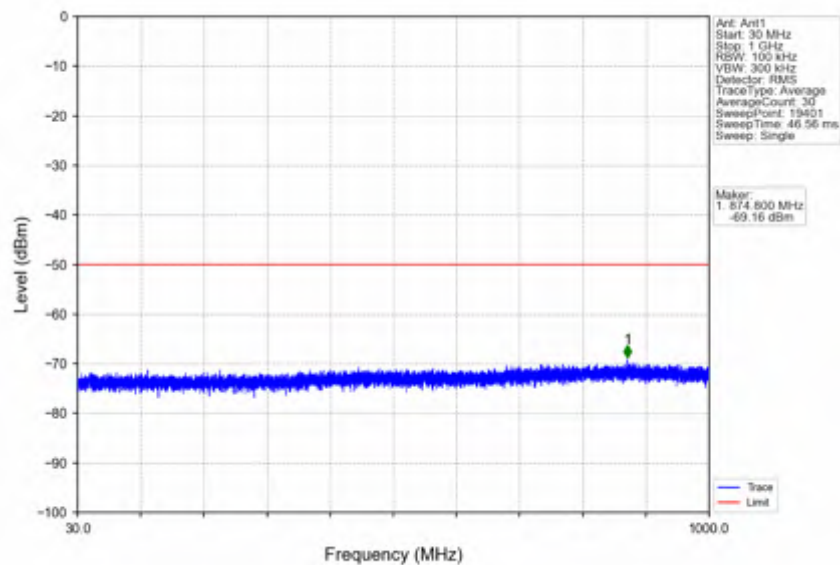
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n78d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3570MHz_Edge_1RB_Left



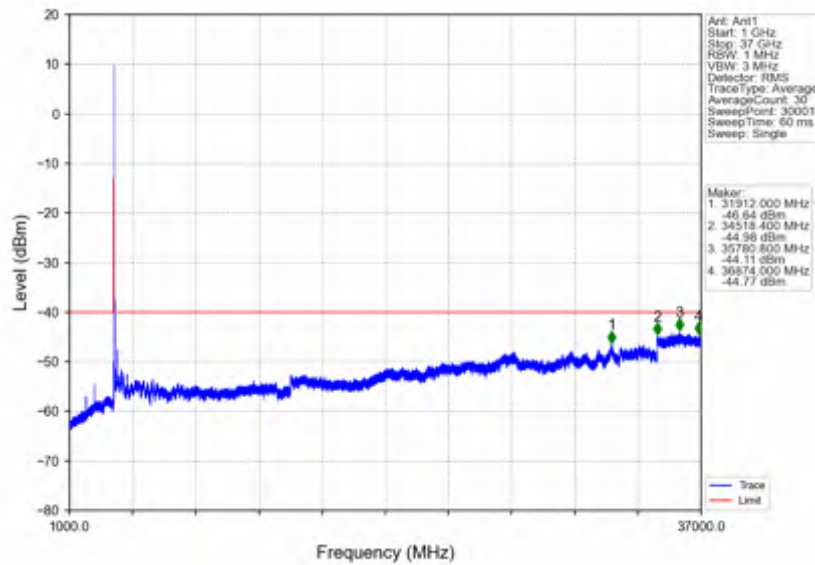
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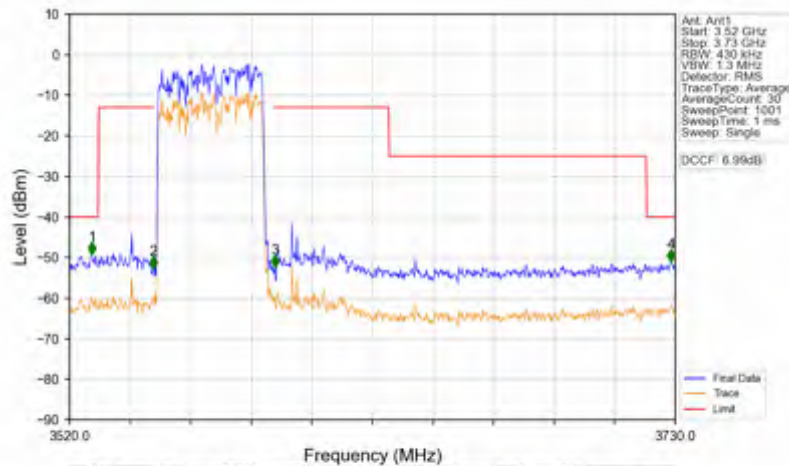
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n78d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3570MHz_Edge_1RB_Left



n78d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3570MHz_Outer_Full



| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3520 | 3548.208 | 1 | 3.67 | 1 | 3527.770 | -49.31 | -40 | Pass |
| 3548.208 | 3549.208 | 0.43 | 0 | 2 | 3548.980 | -52.83 | -13 | Pass |
| 3549.208 | 3590.793 | 0.43 | 0 | 3 | 3591.190 | -52.50 | -13 | Pass |
| 3590.793 | 3591.793 | 0.43 | 0 | 4 | 3728.530 | -51.01 | -40 | Pass |

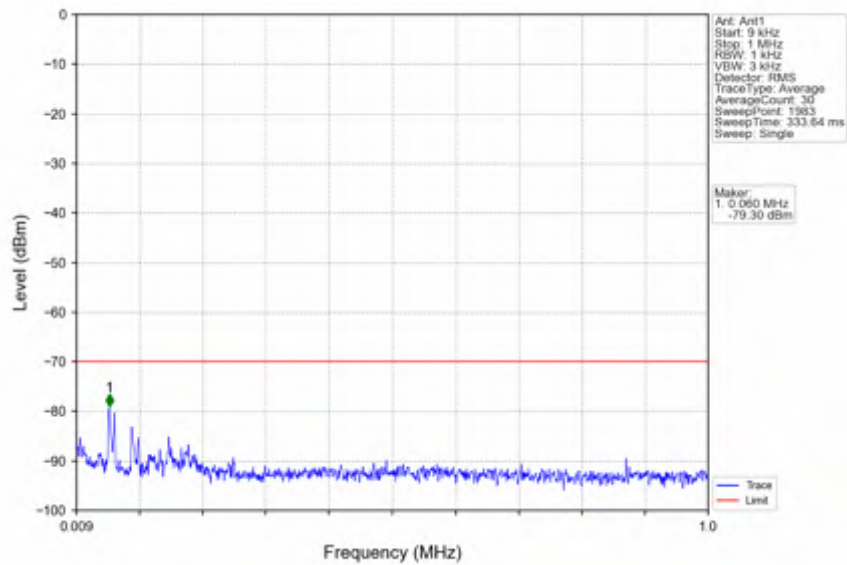


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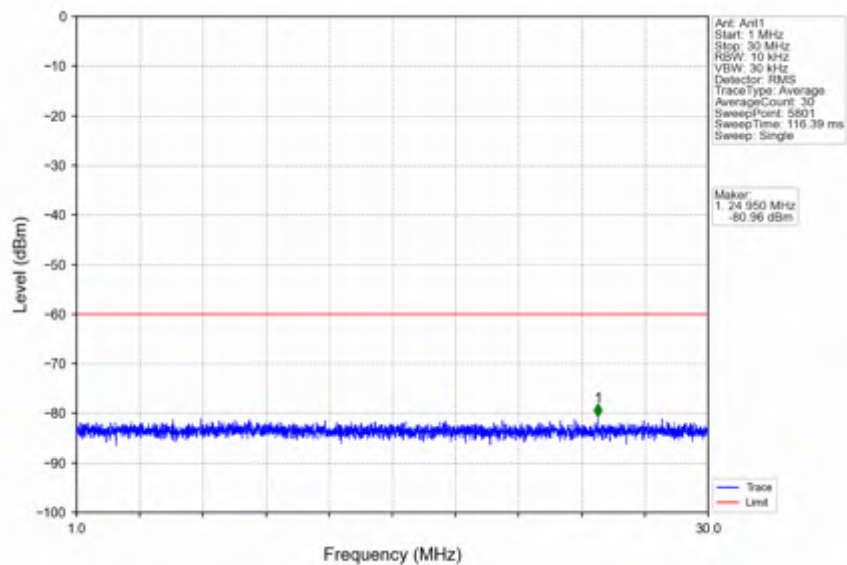
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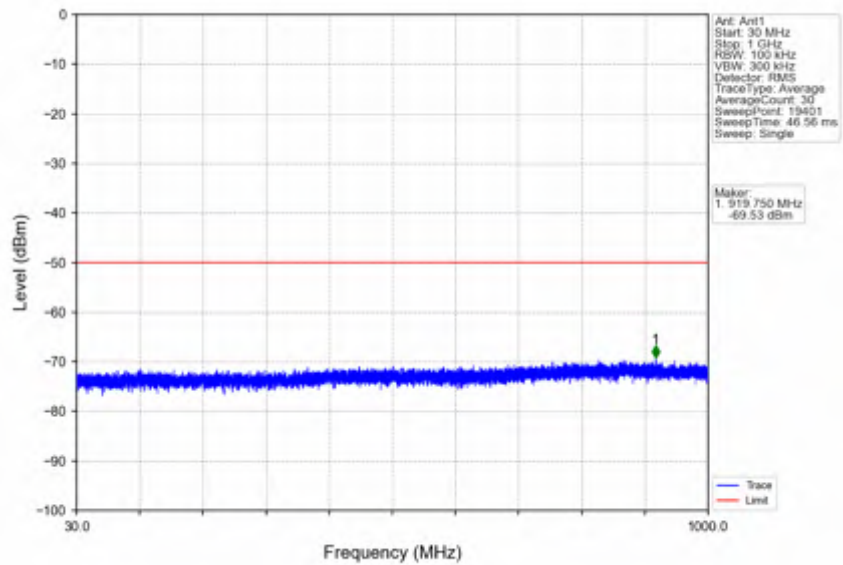
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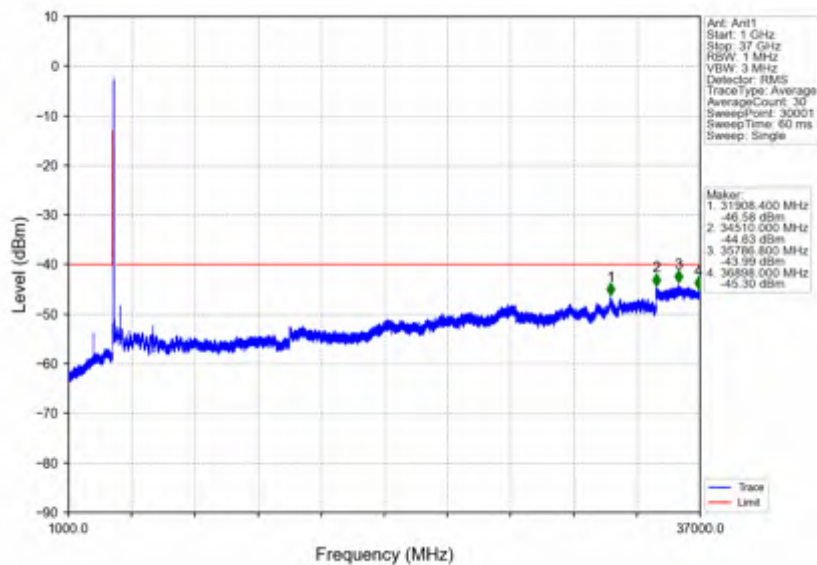
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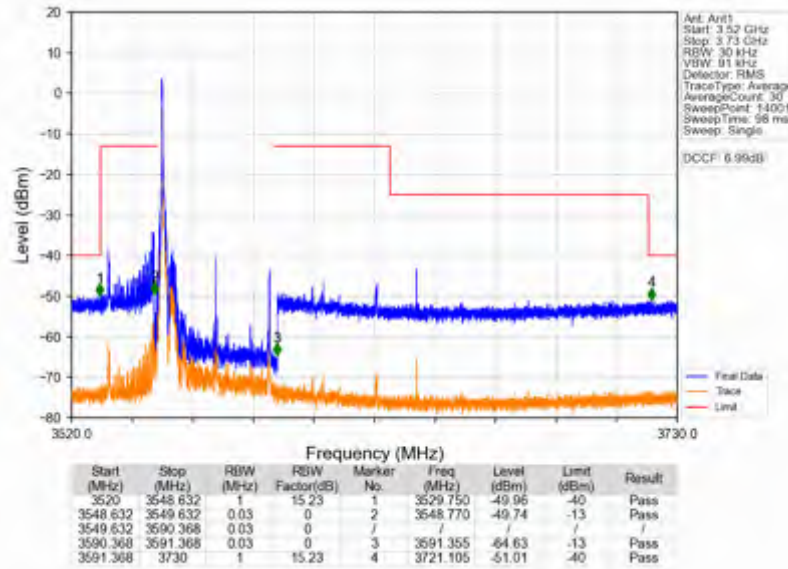


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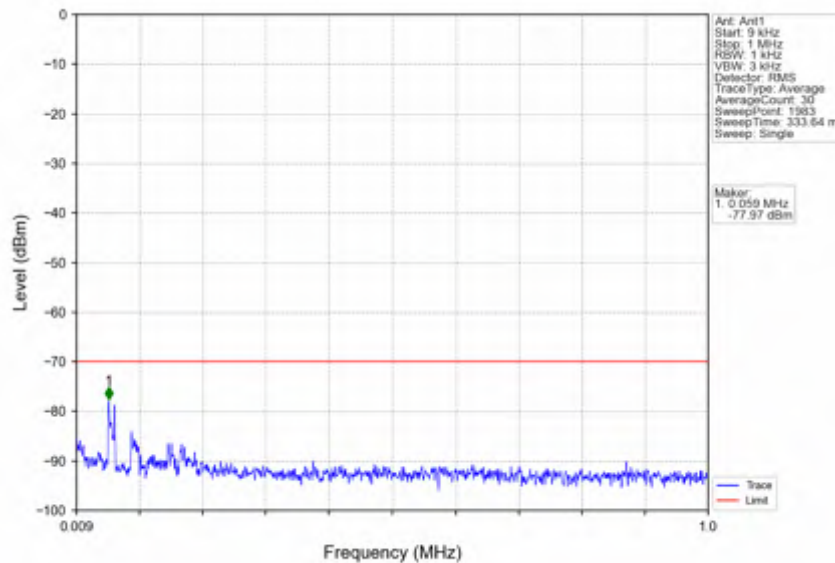
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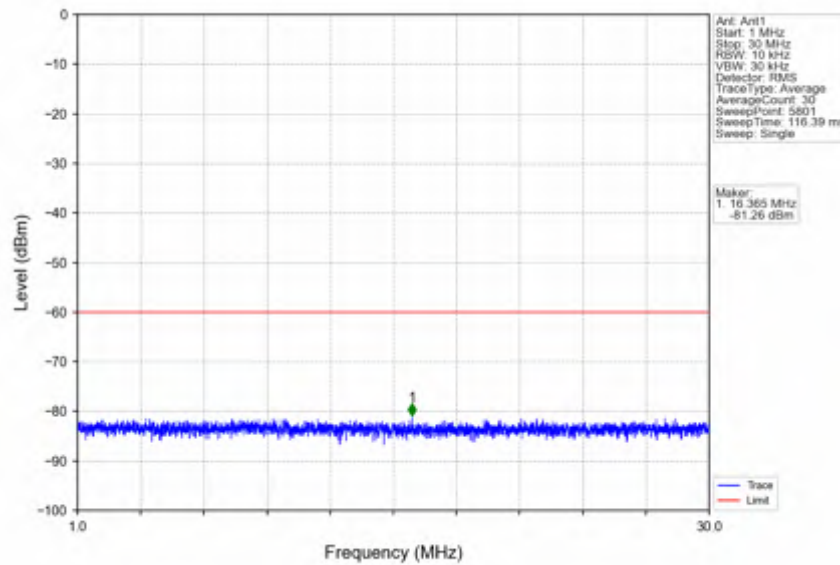


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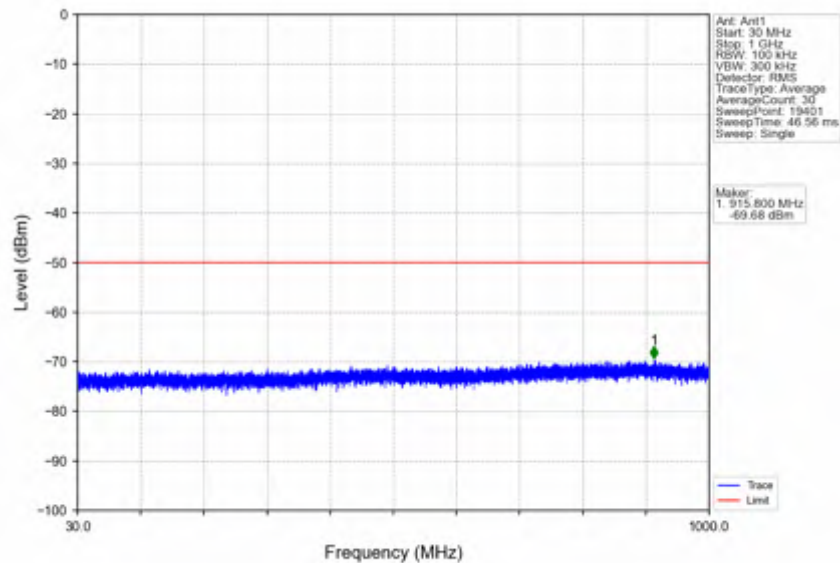
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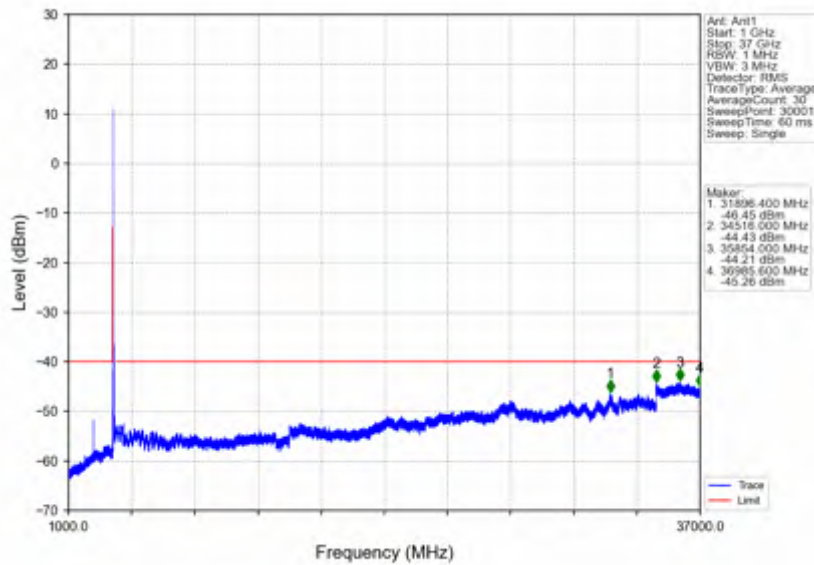
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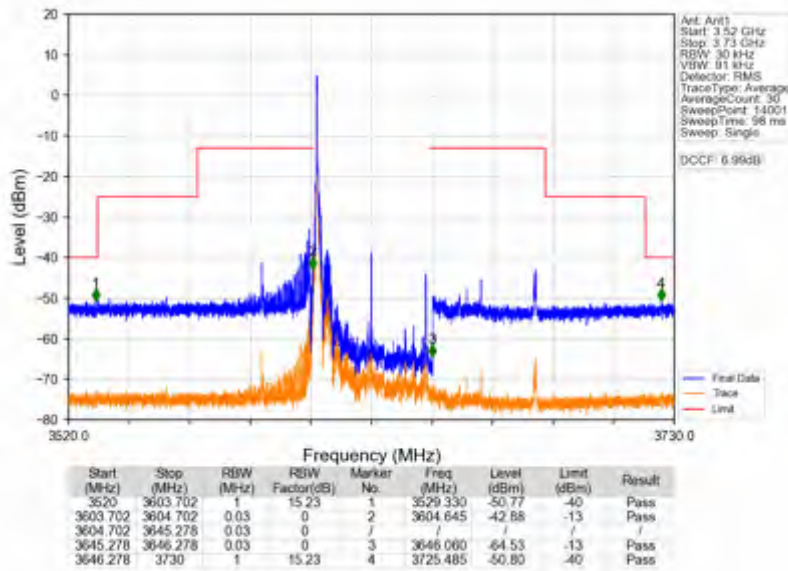
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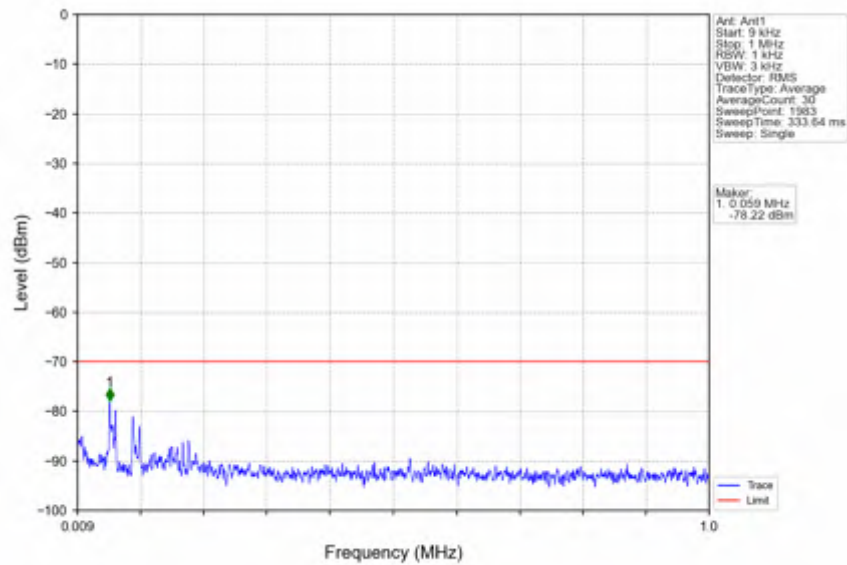


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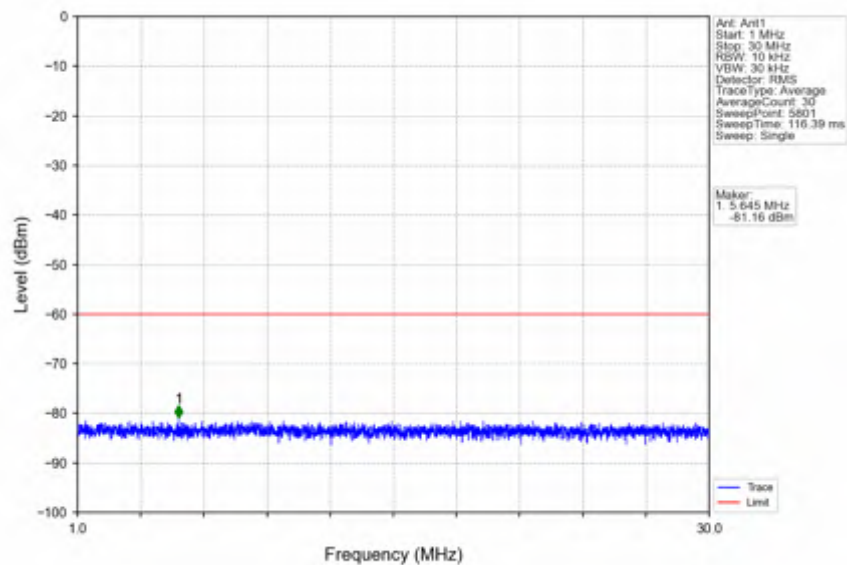
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n78d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Edge_1RB_Left



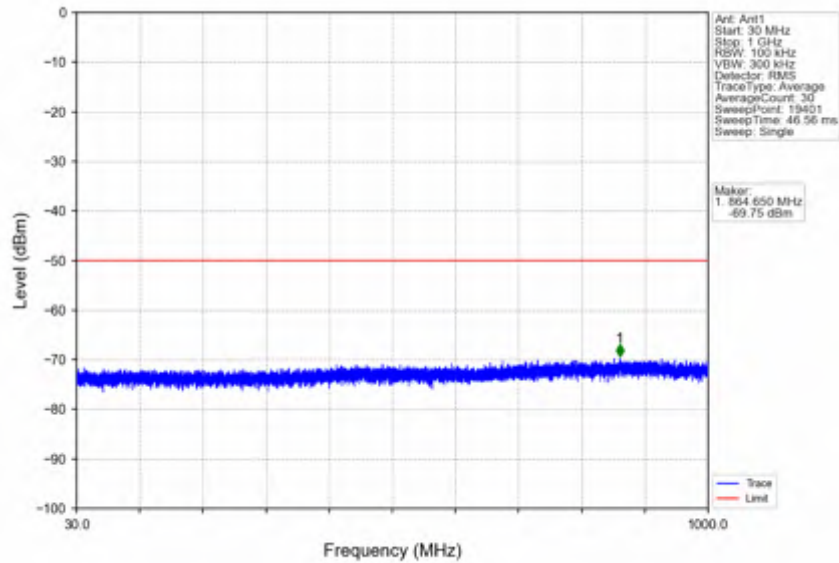
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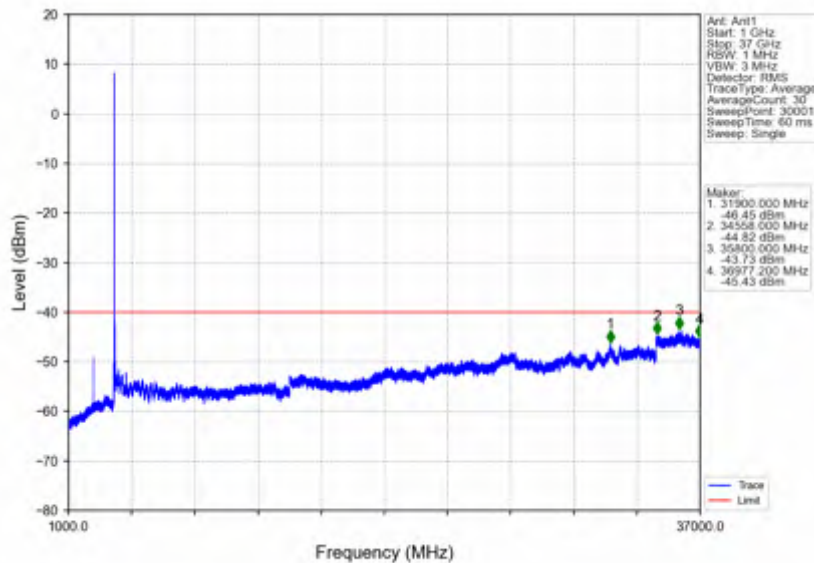
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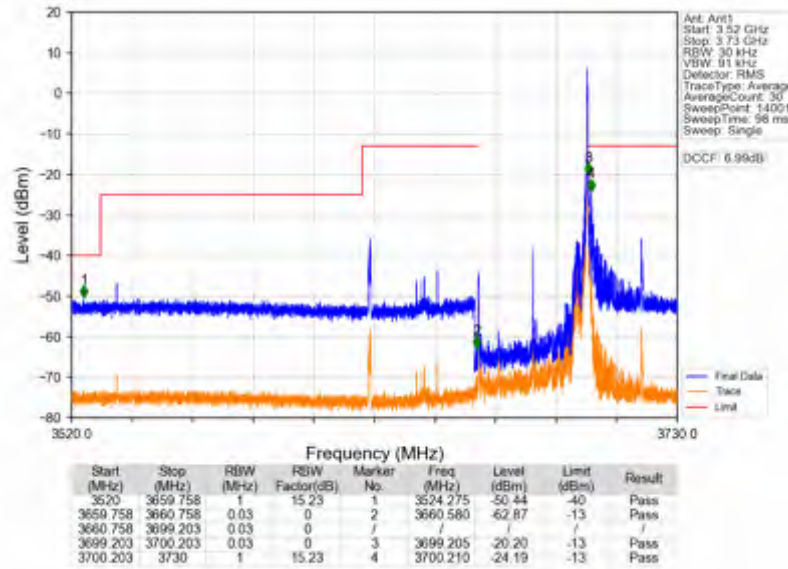


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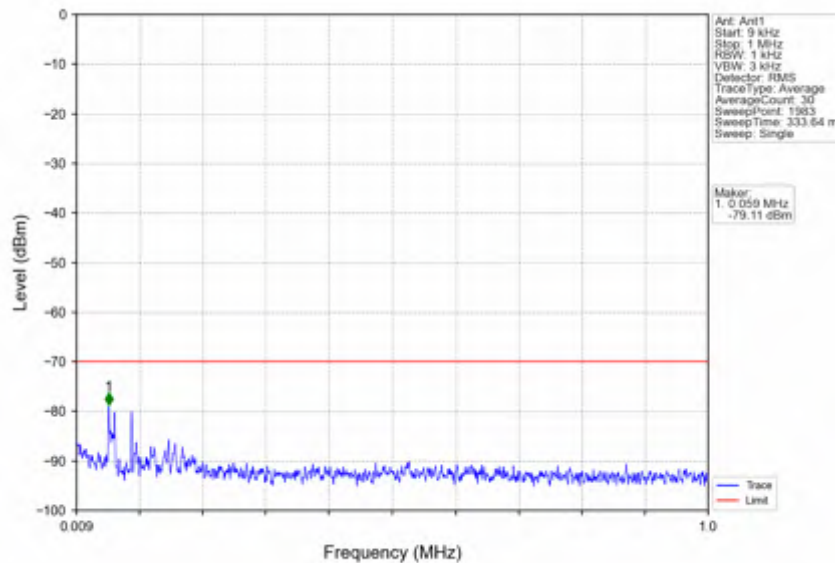
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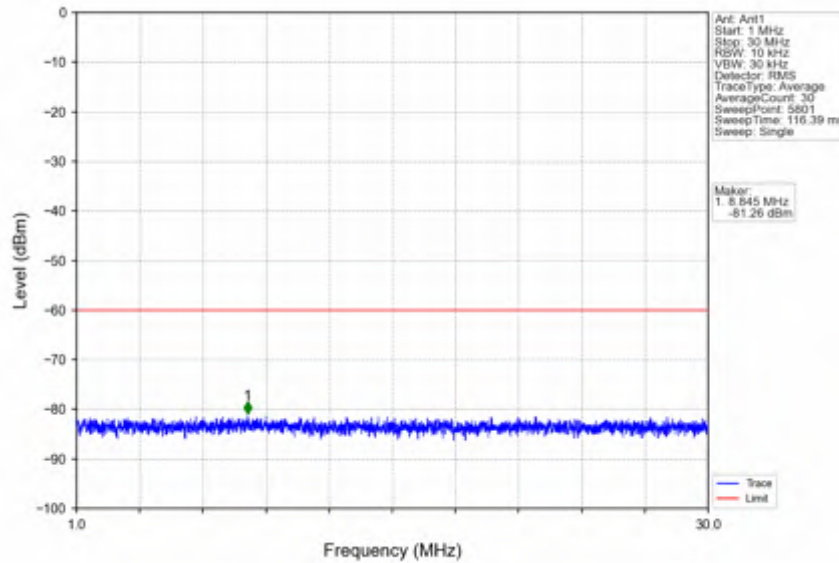


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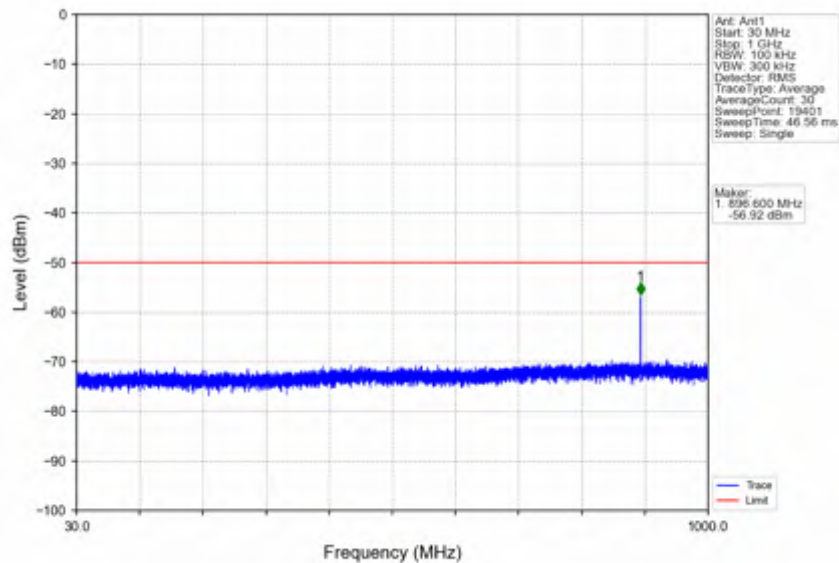
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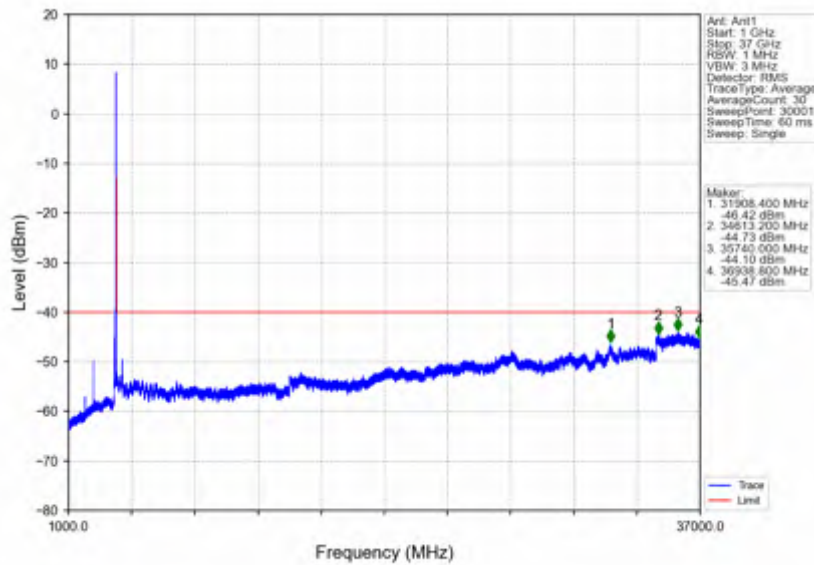


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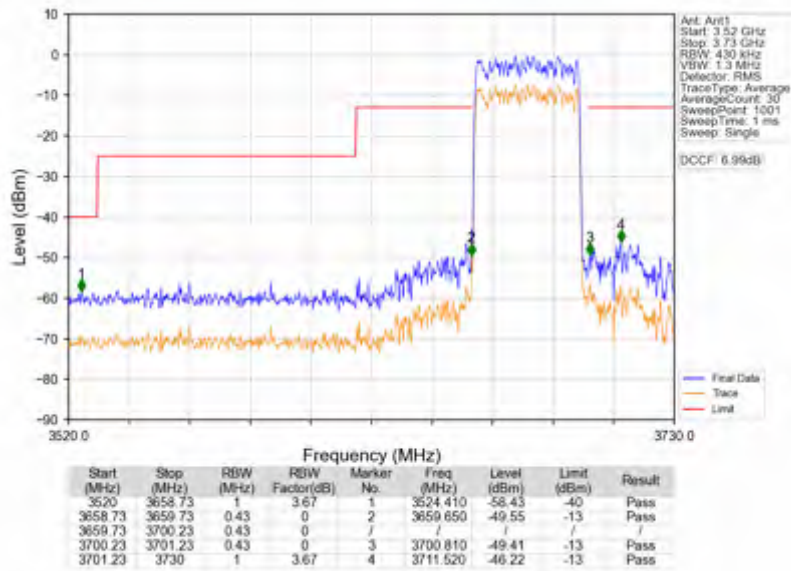
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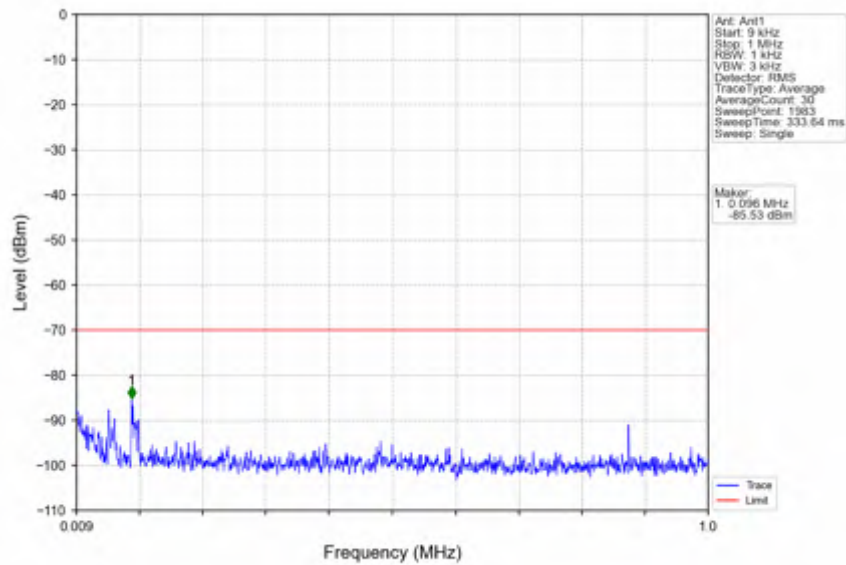


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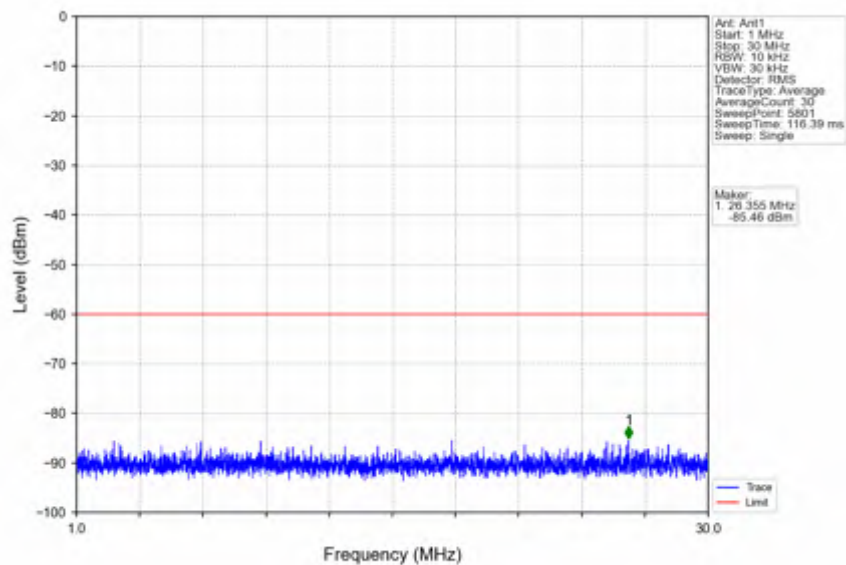
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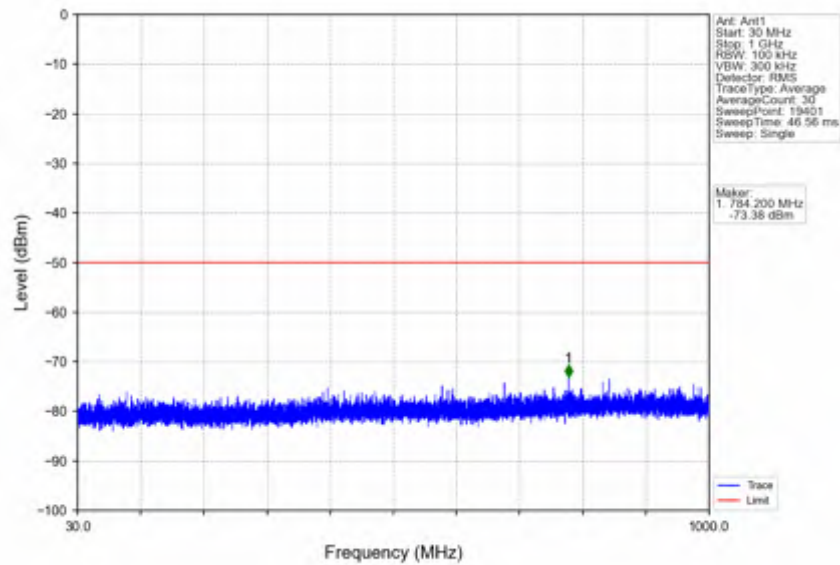
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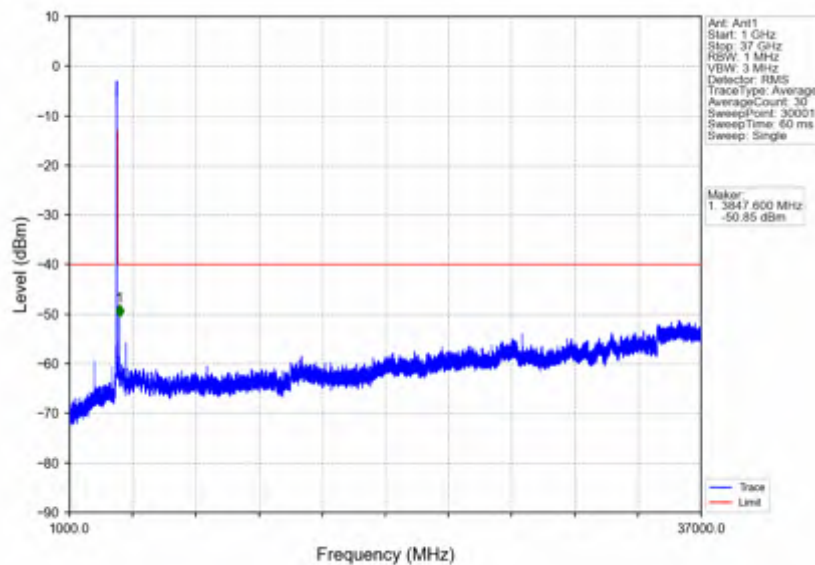
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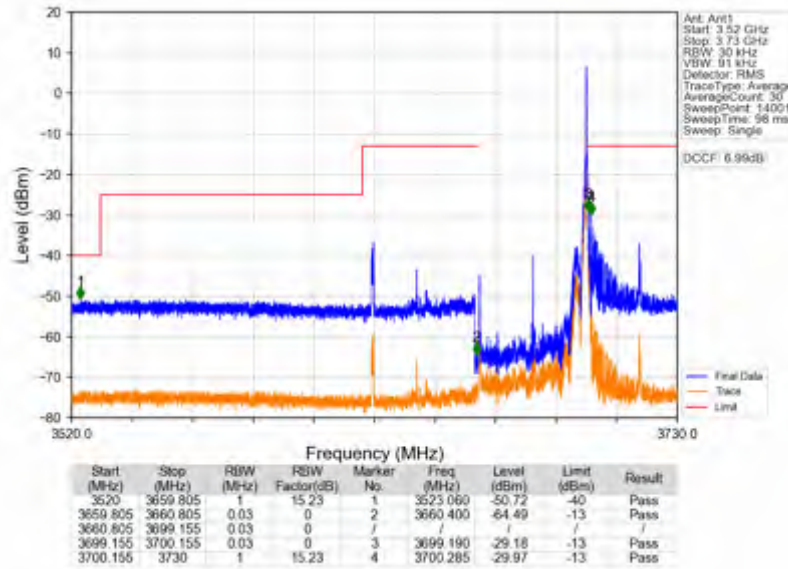
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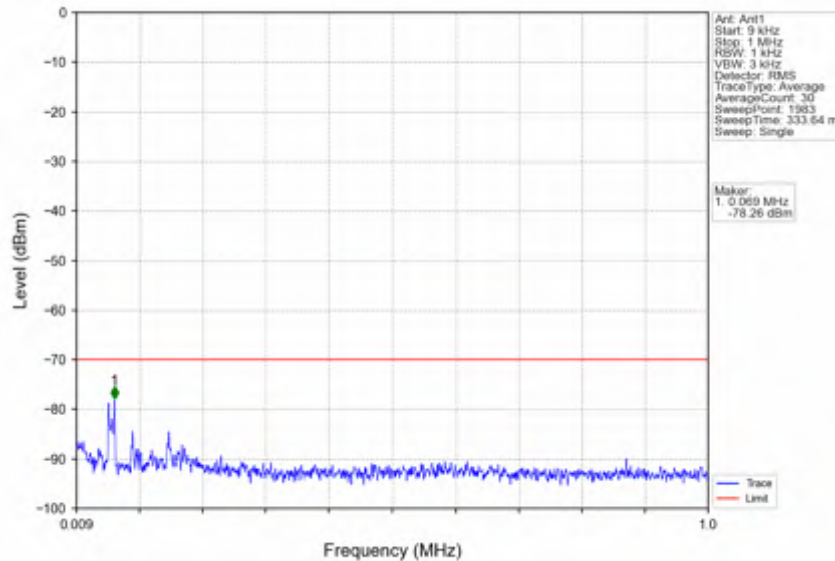
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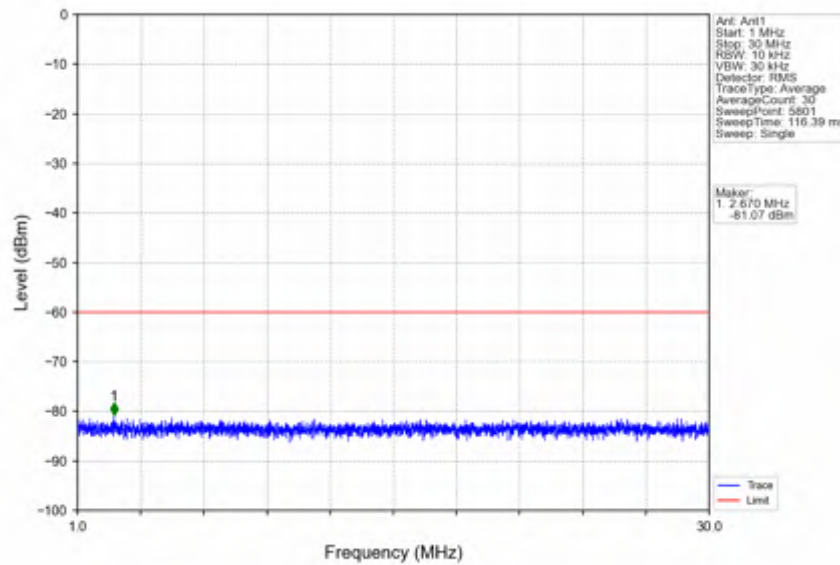


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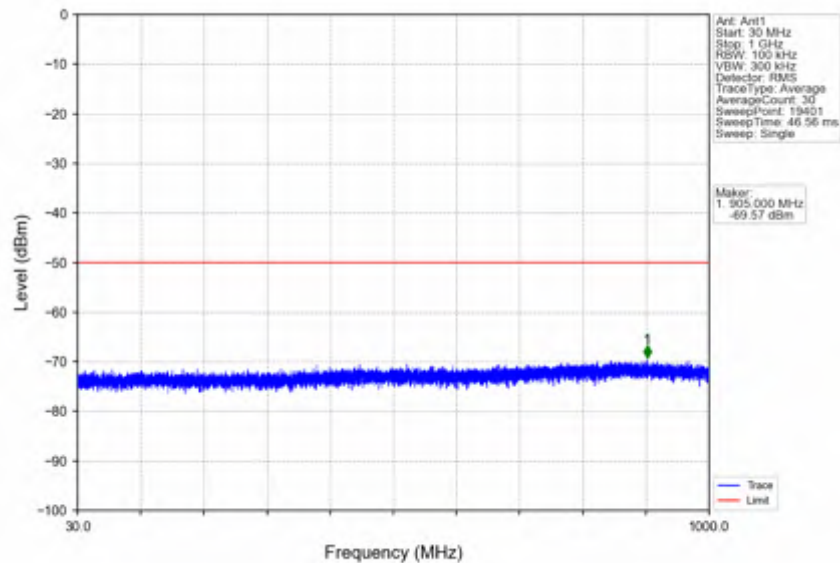
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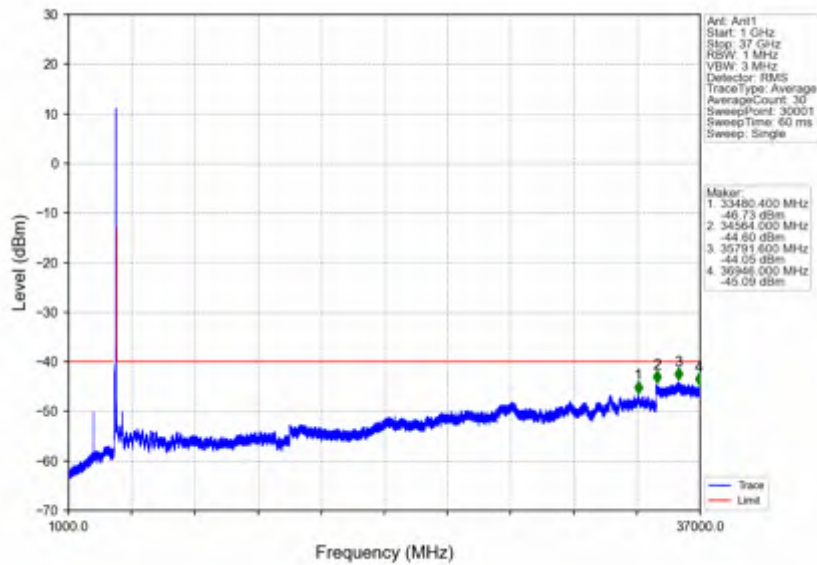


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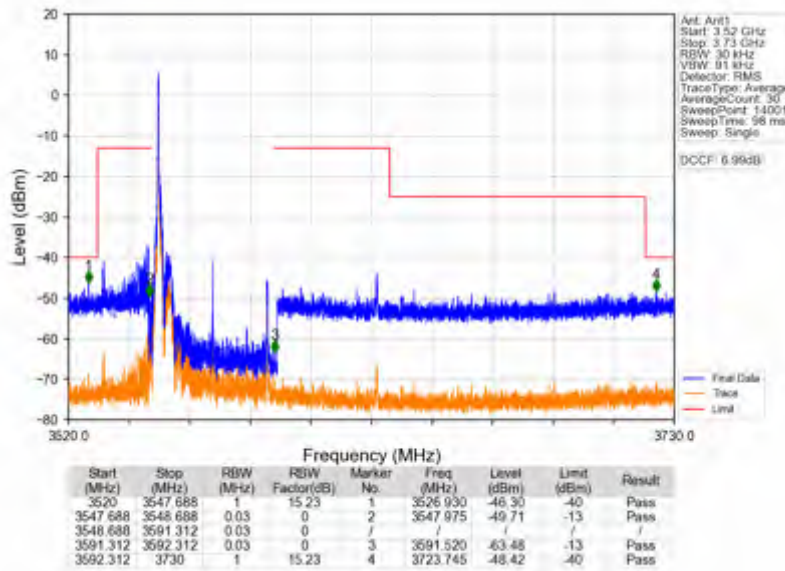
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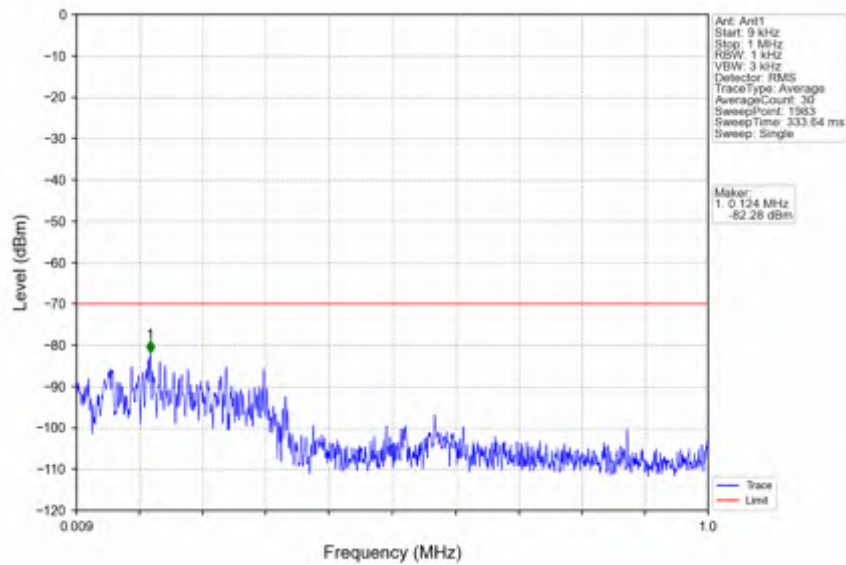


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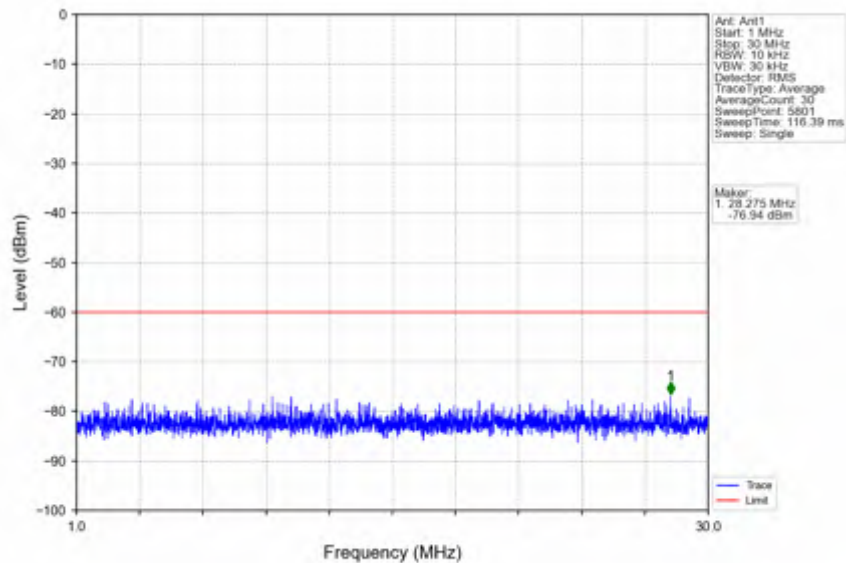
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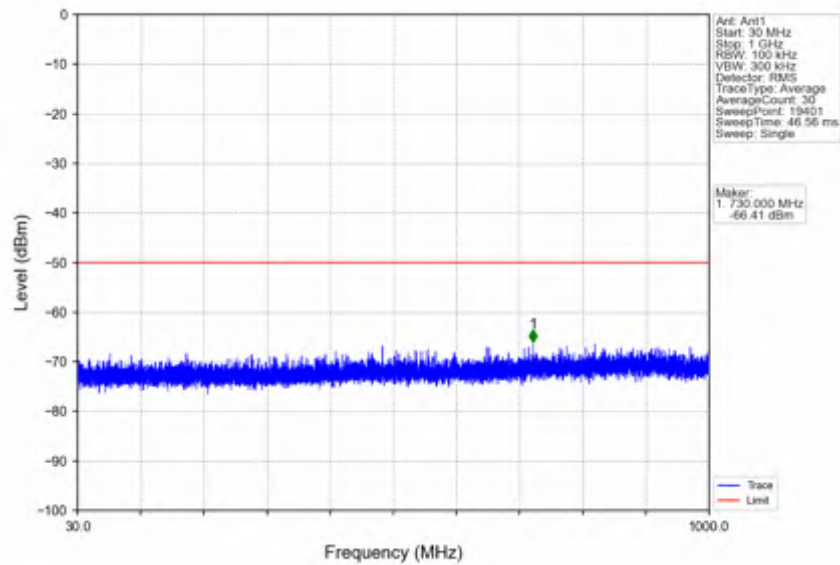
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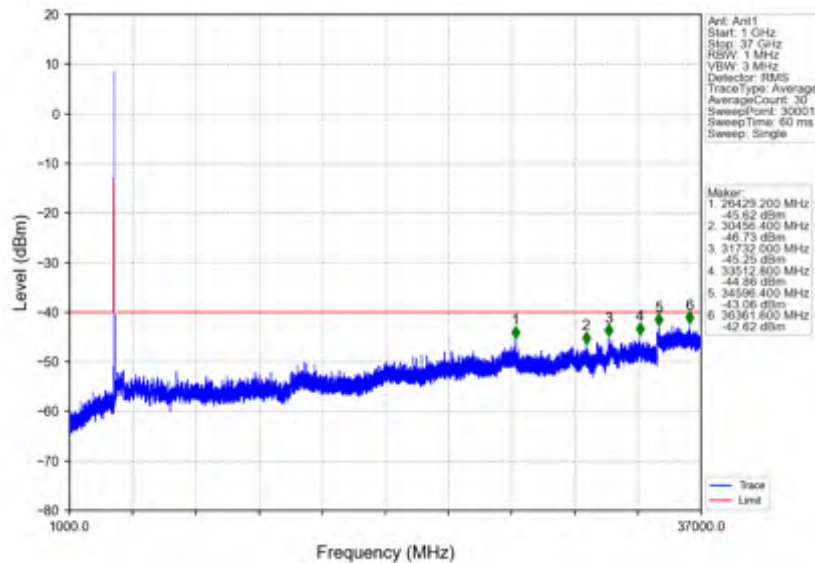
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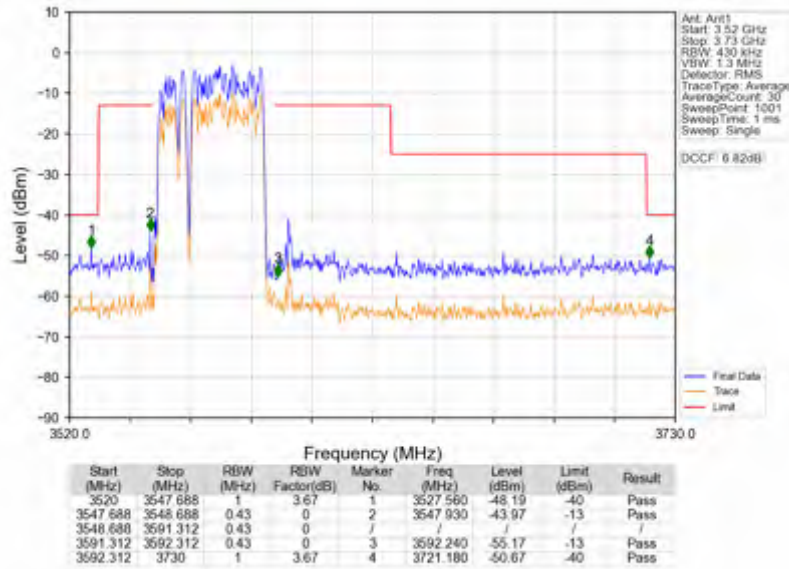
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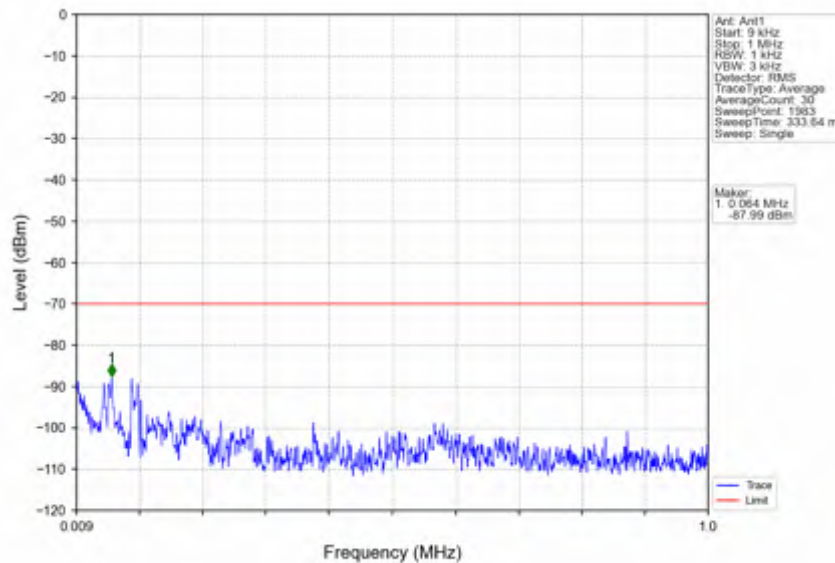
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n78d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_QPSK_3570MHz_Outer_Full



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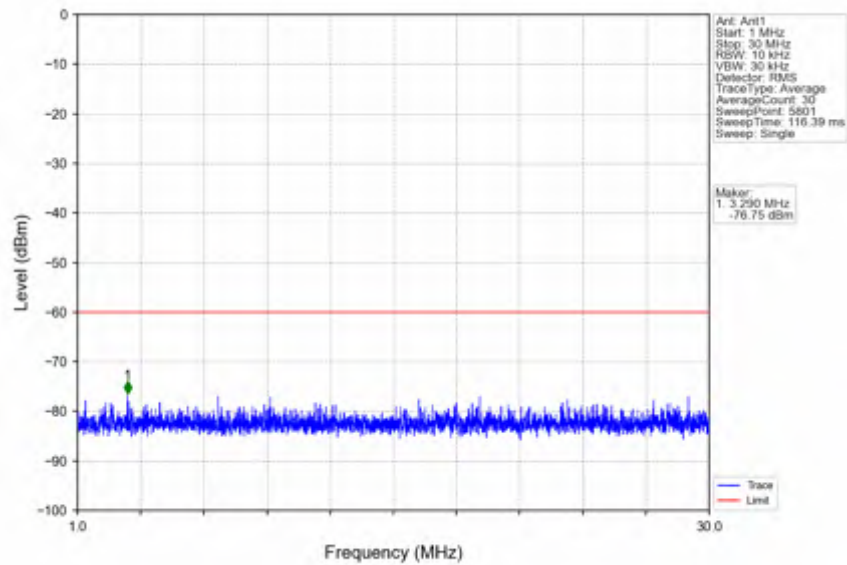


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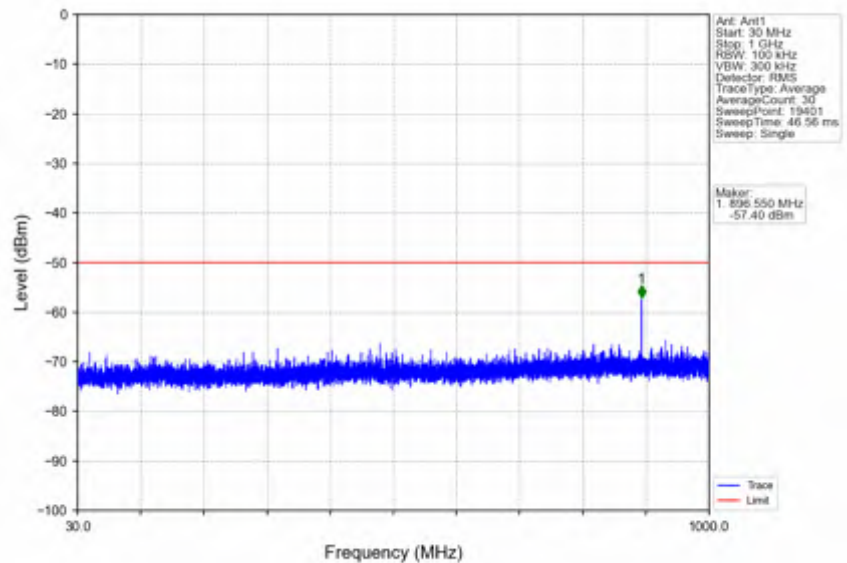
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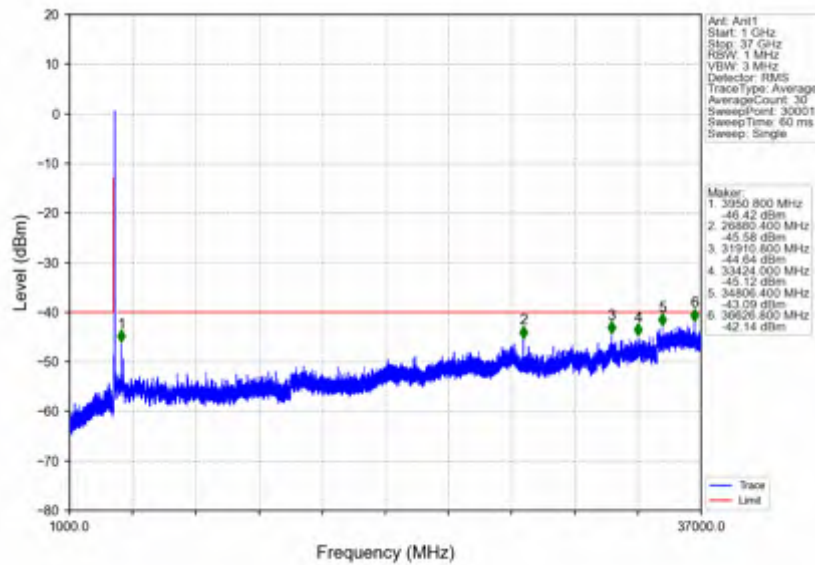
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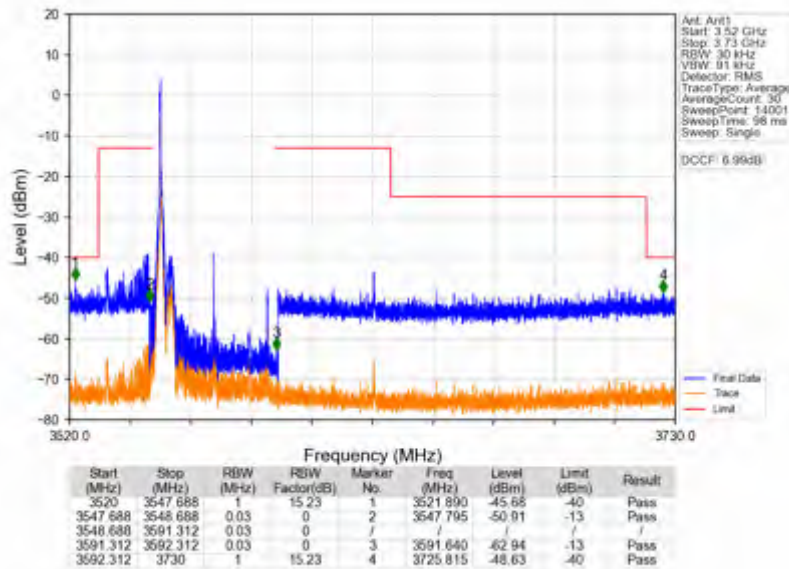
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n78d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_3570MHz_Outer_Full



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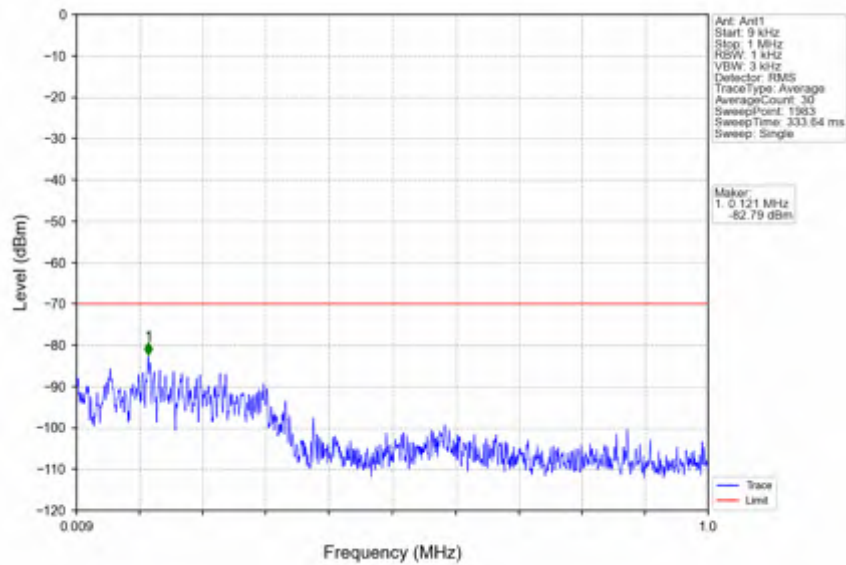
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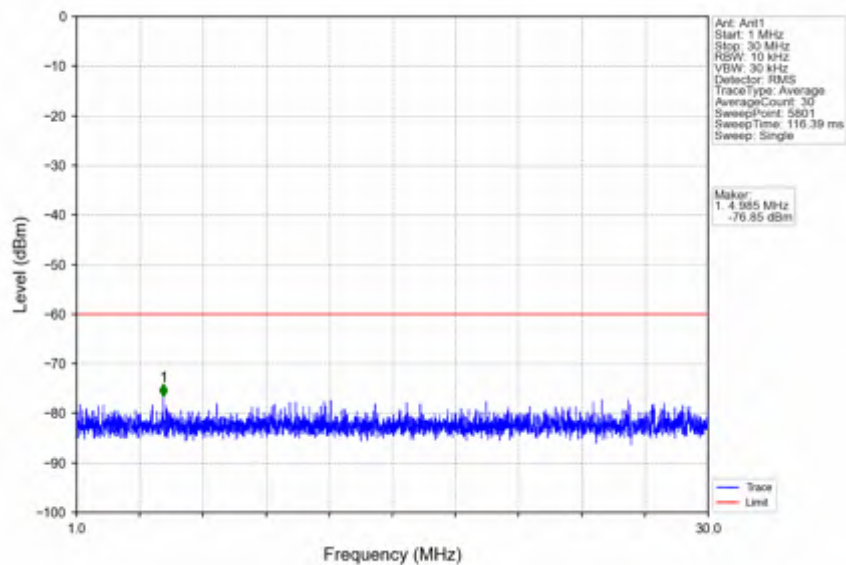
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n78d_30kHz_SISO_NTV_40MHz_DFT-s-OFDM QPSK_3570MHz_Inner_1RB_Left



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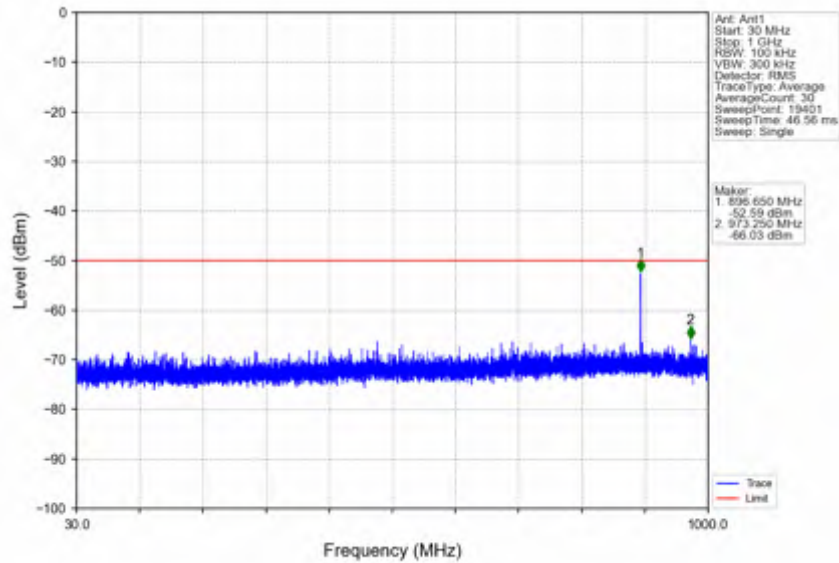
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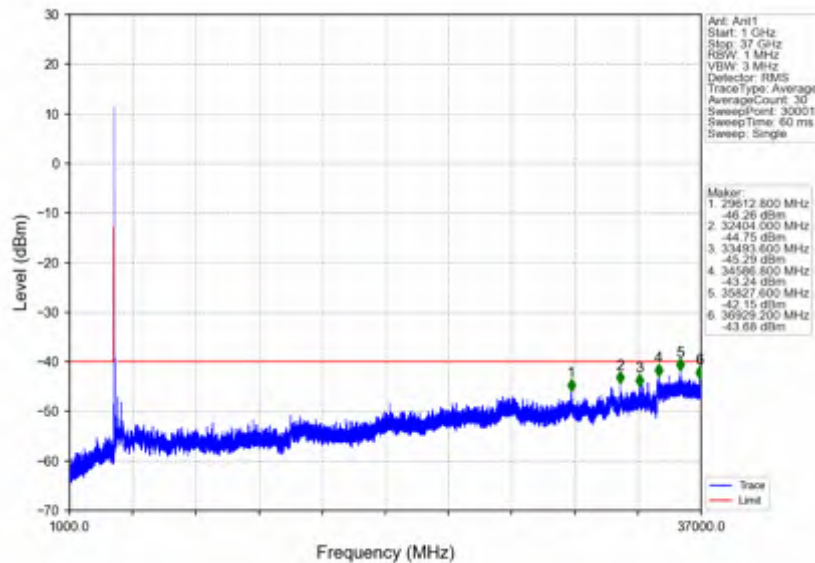
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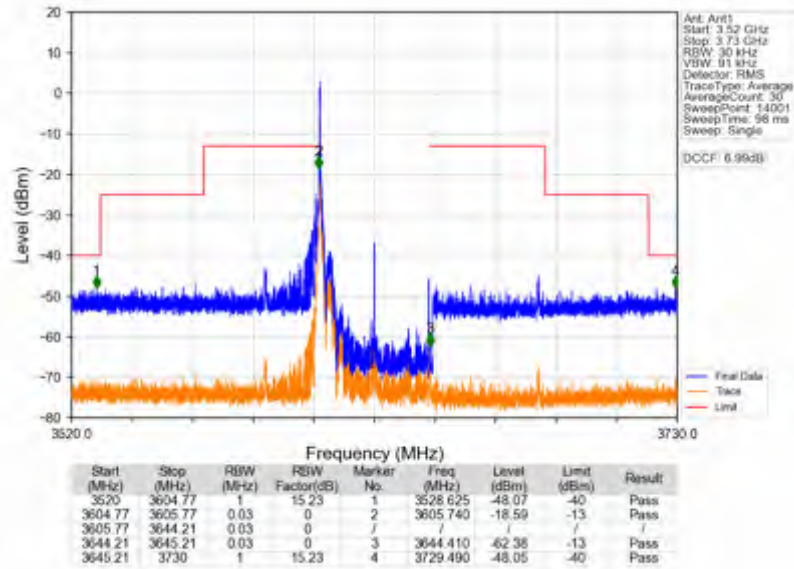
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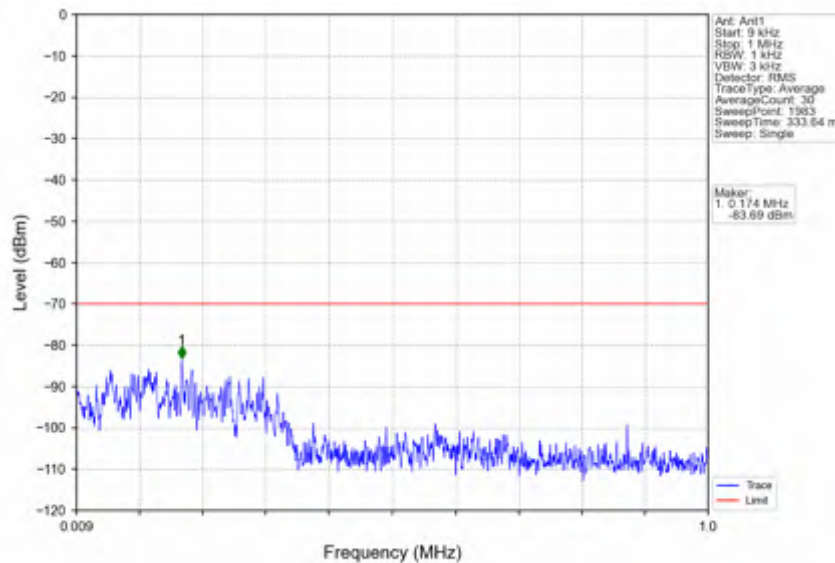
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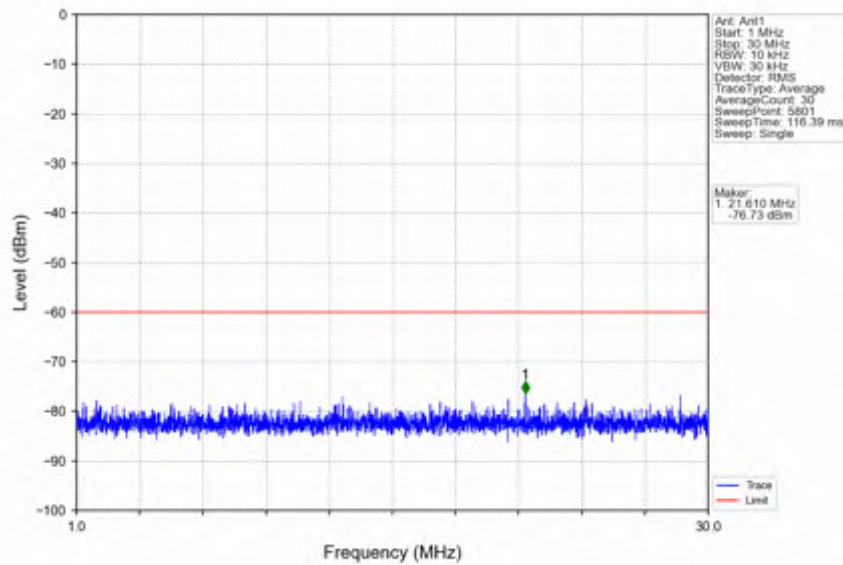
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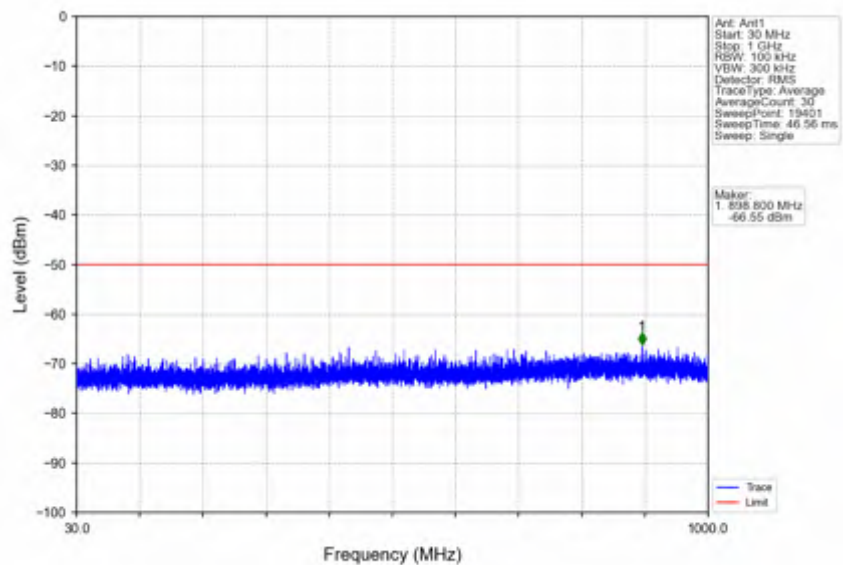
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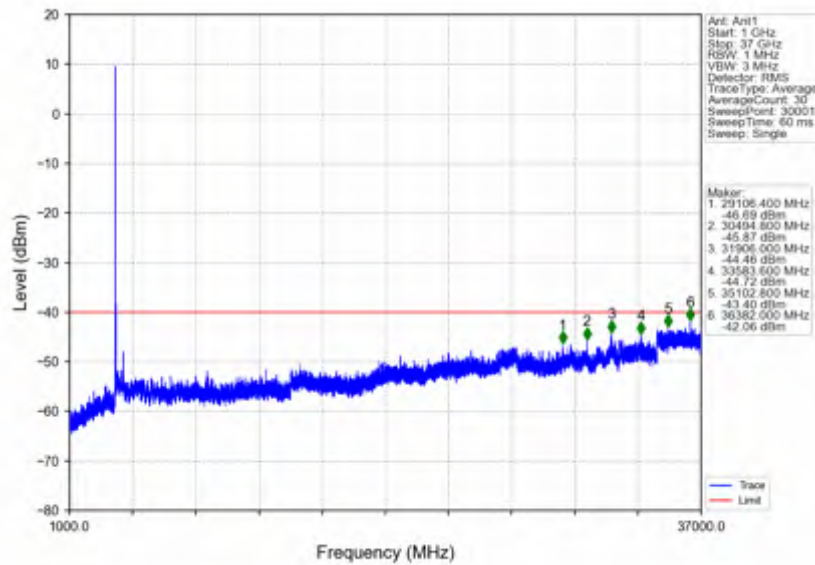
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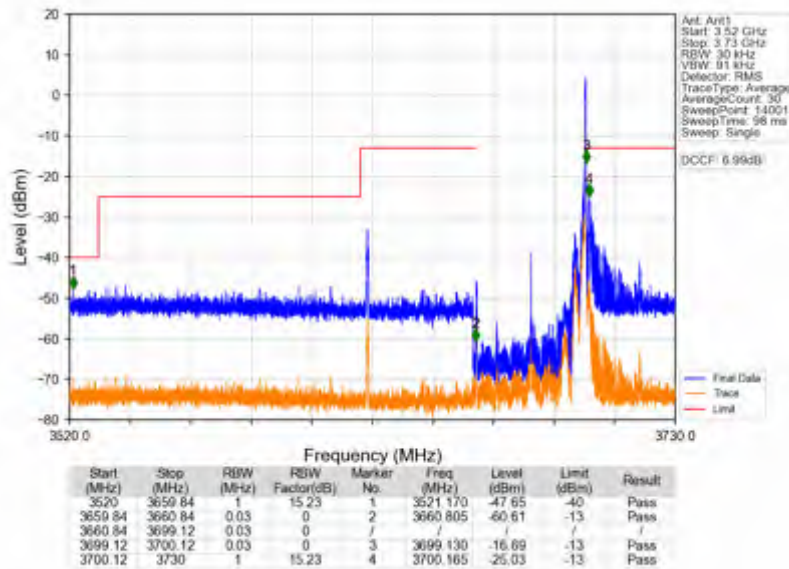
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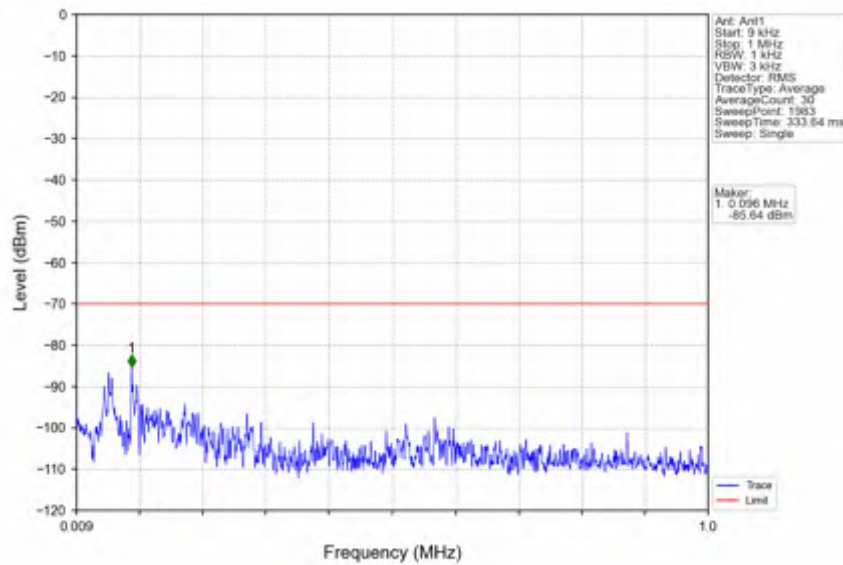


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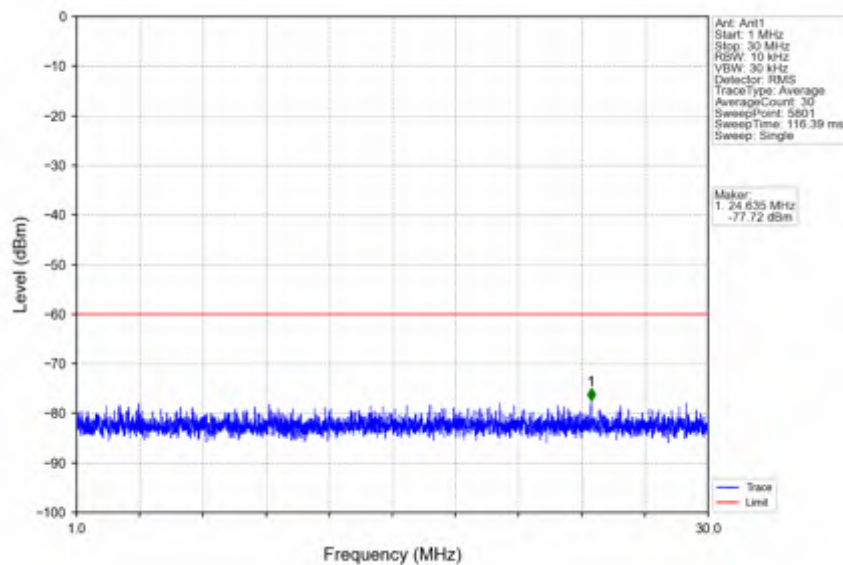
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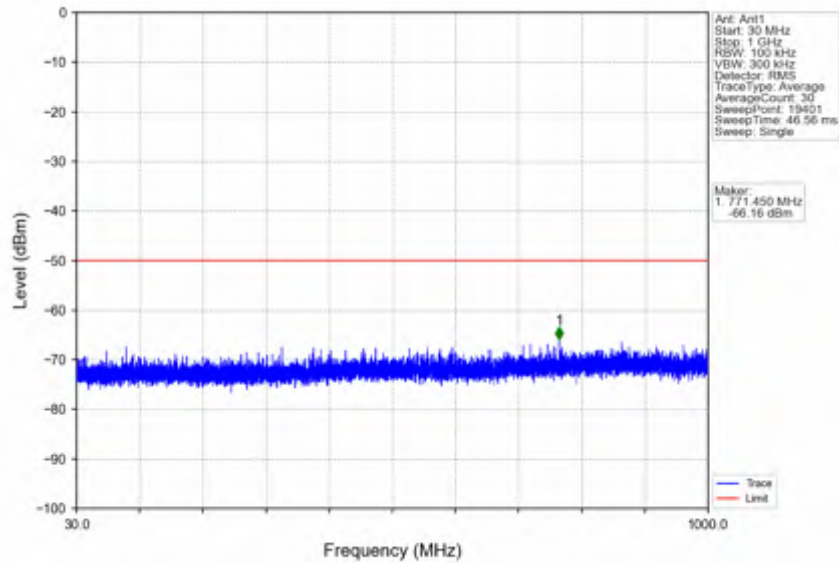
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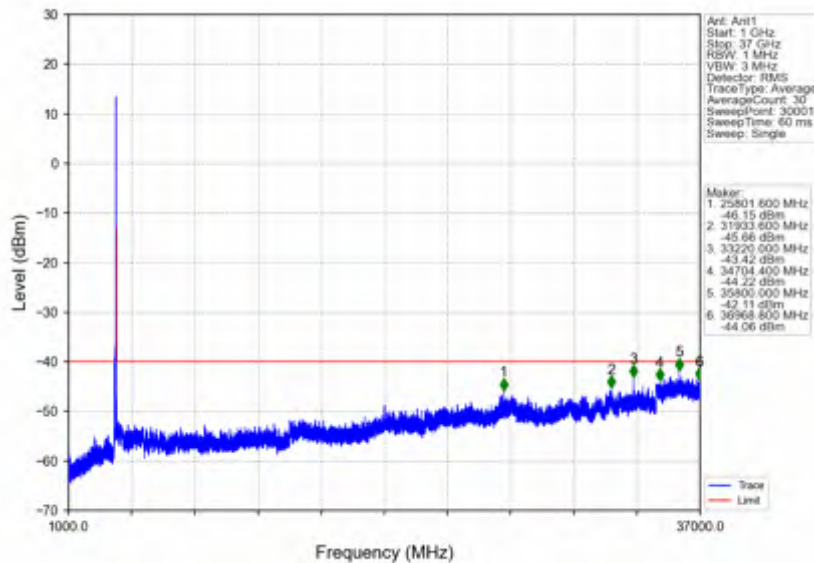
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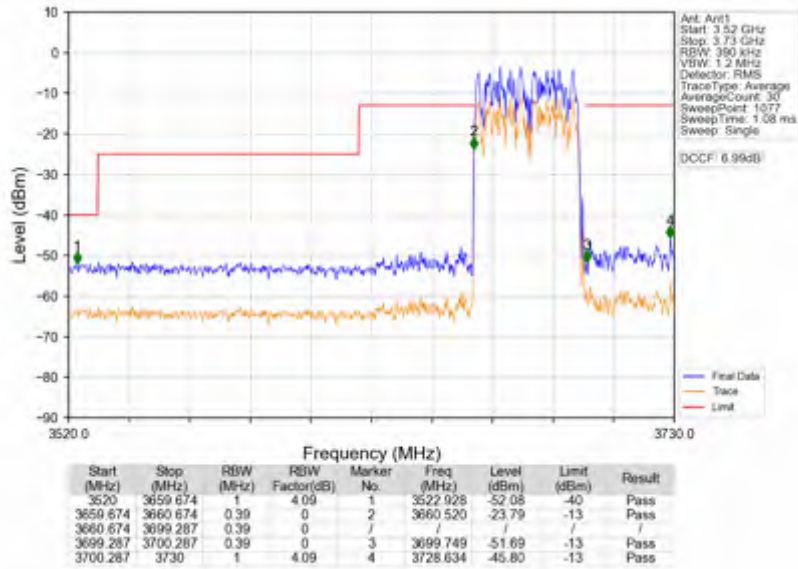
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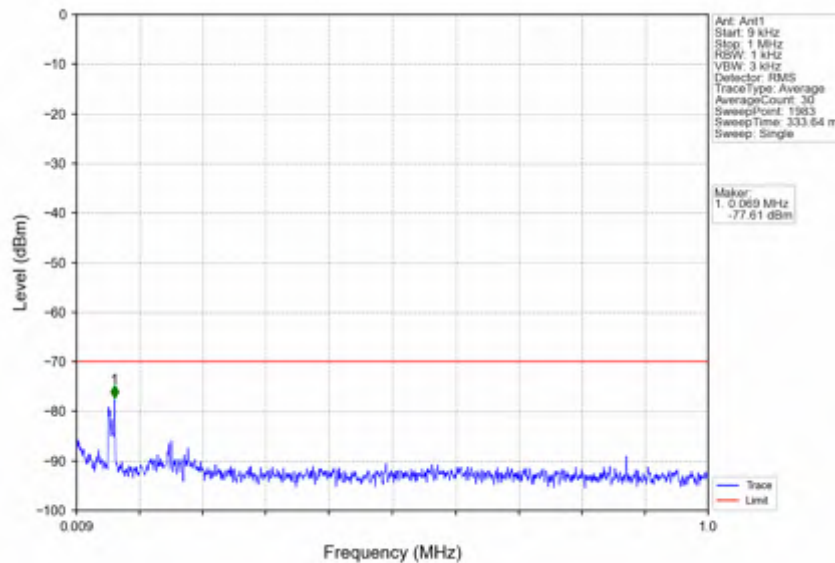
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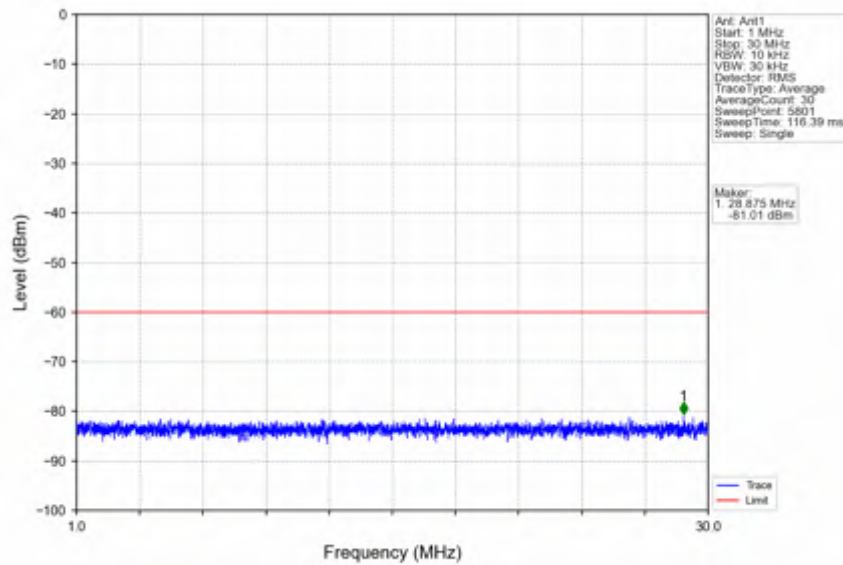


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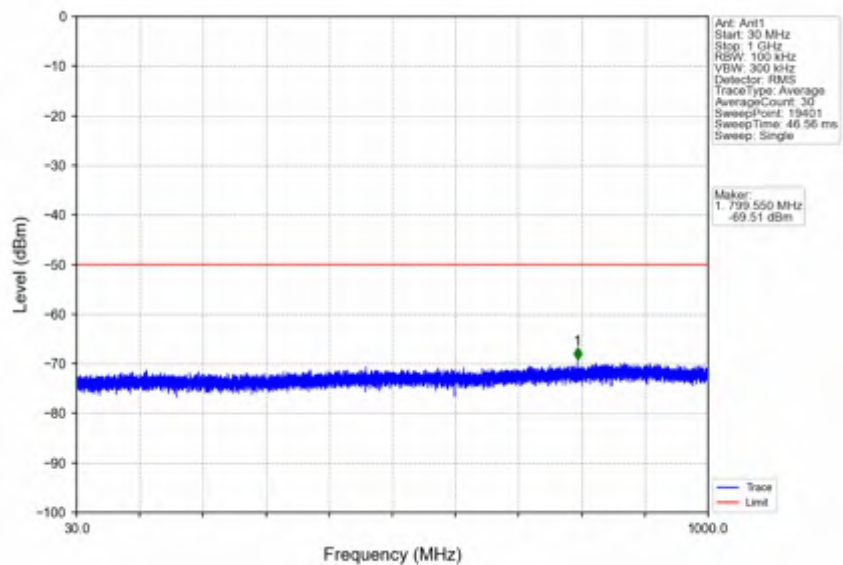
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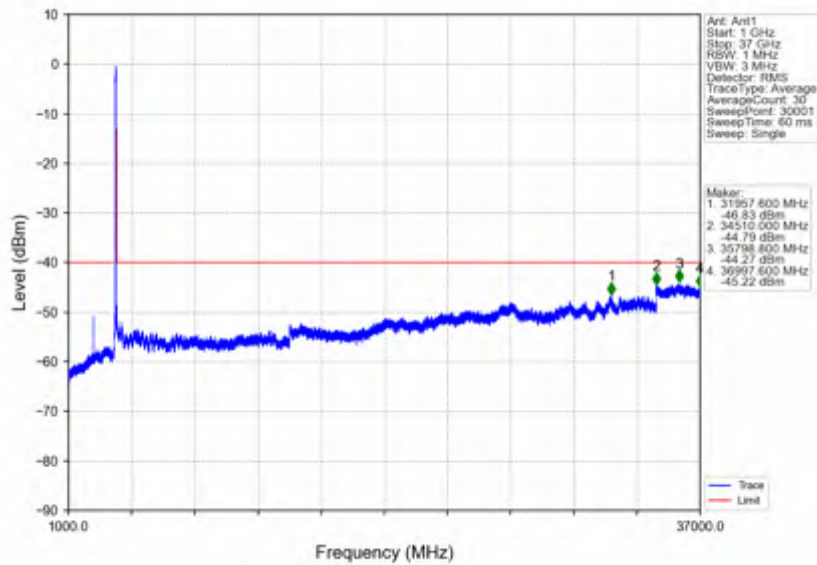


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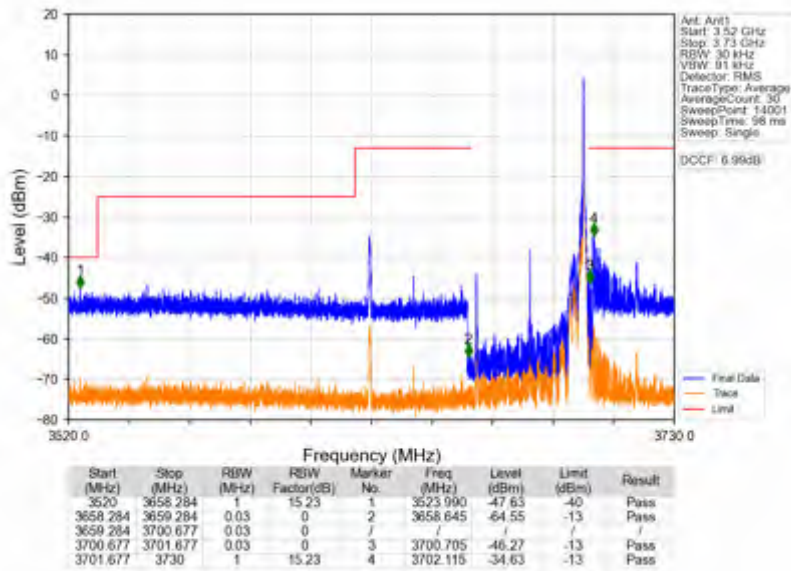
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n78d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_3679.98MHz_Outer_Full



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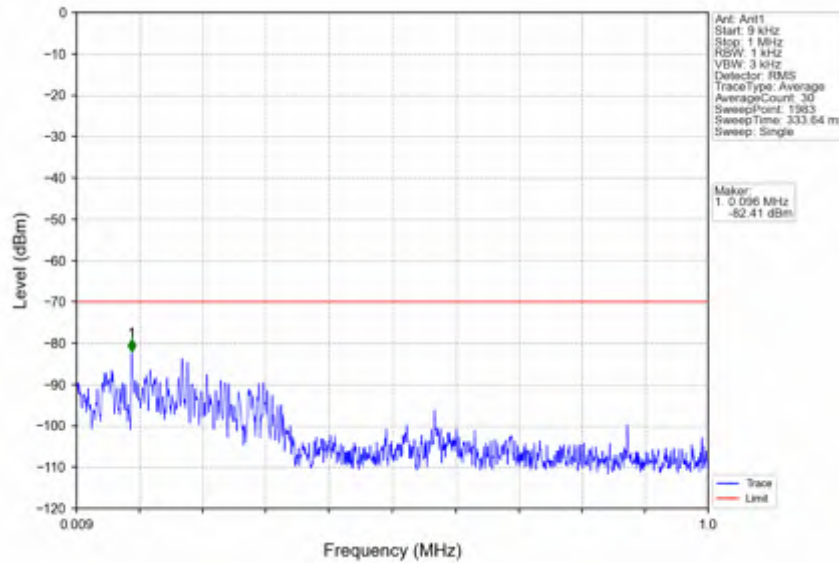


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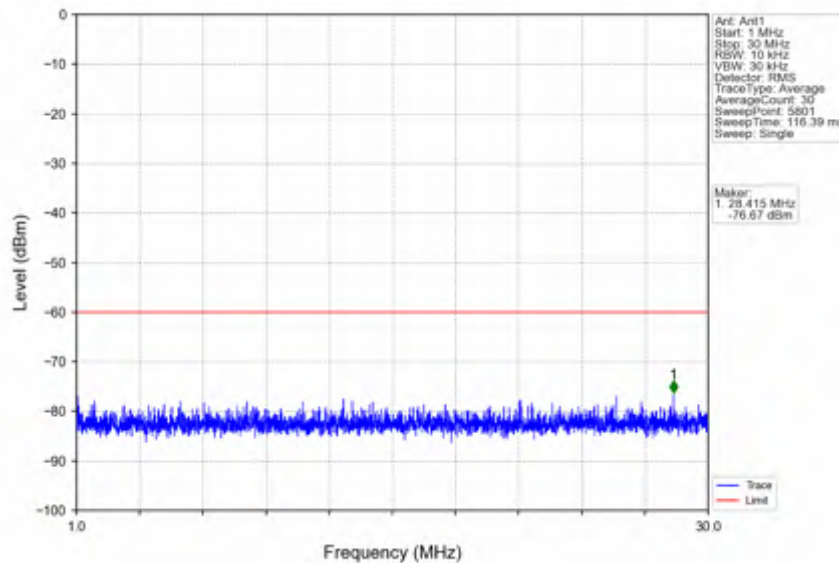
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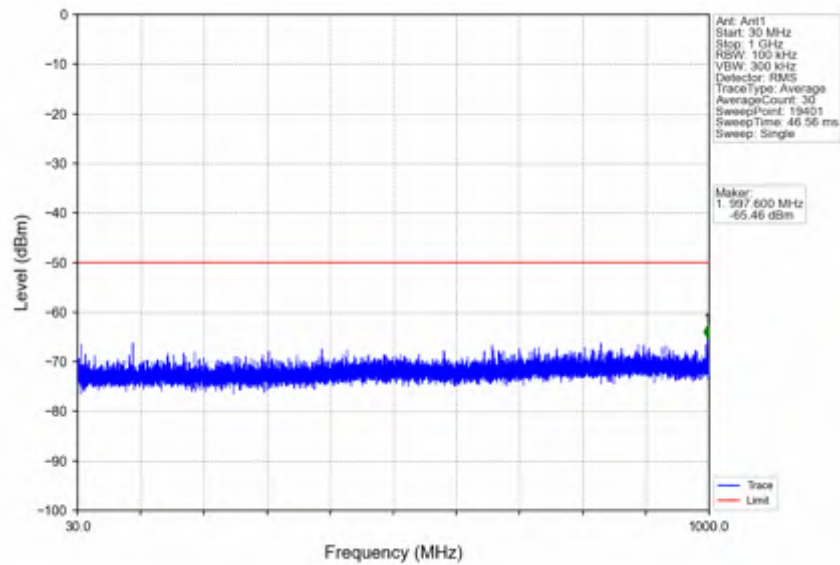
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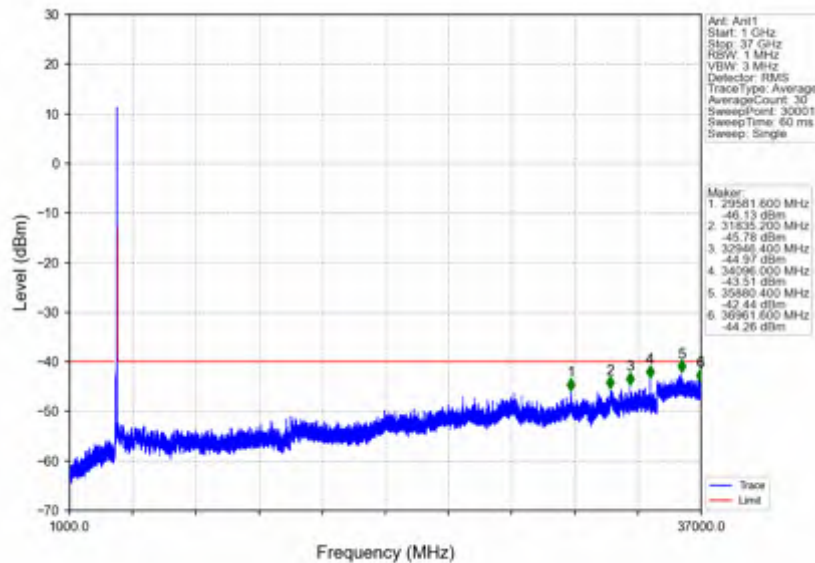
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n78d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_3679.98MHz_Inner_1RB_Right



n78d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_3679.98MHz_Inner_1RB_Right



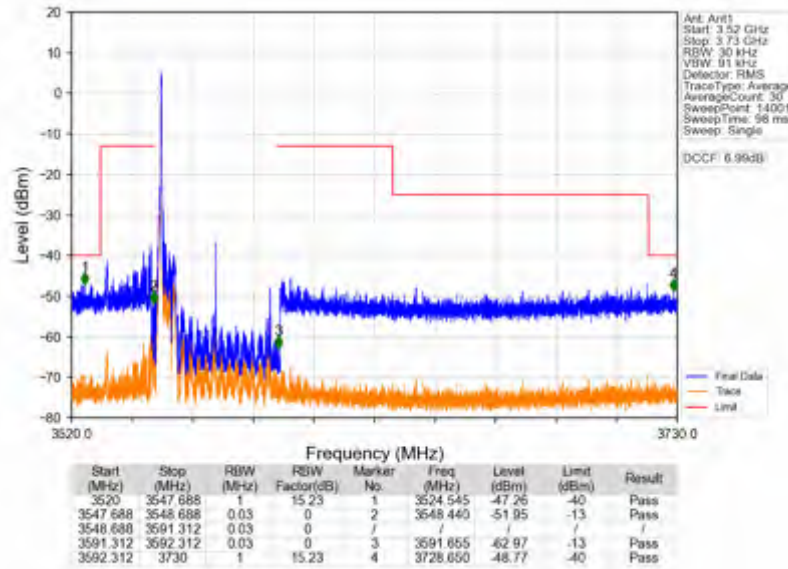
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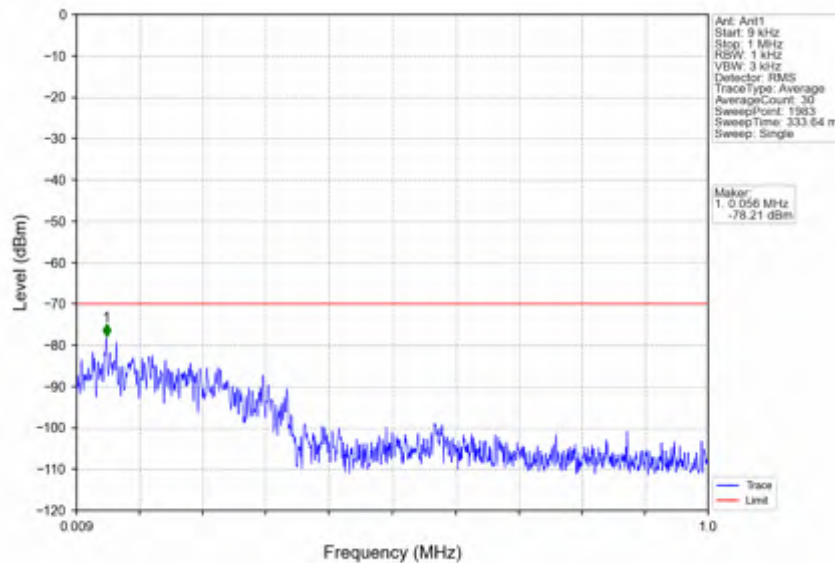
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n78d_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3570MHz_Edge_1RB_Left



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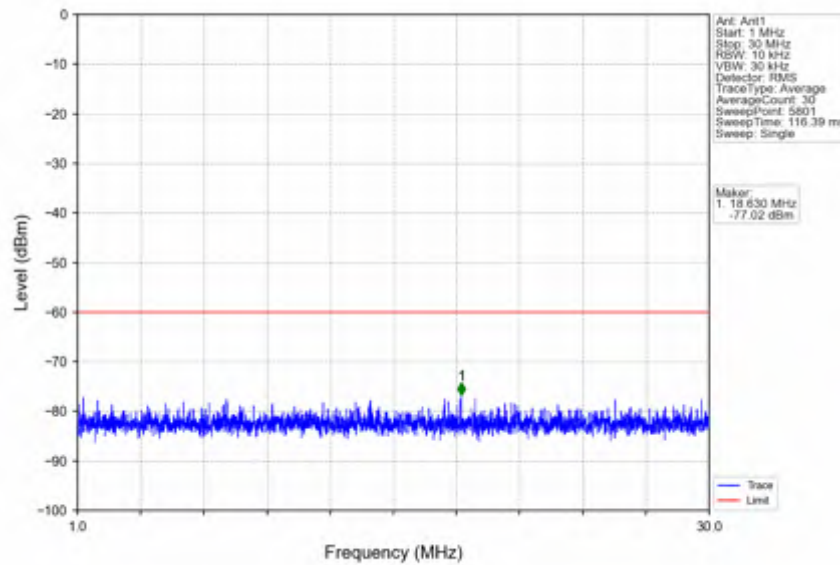


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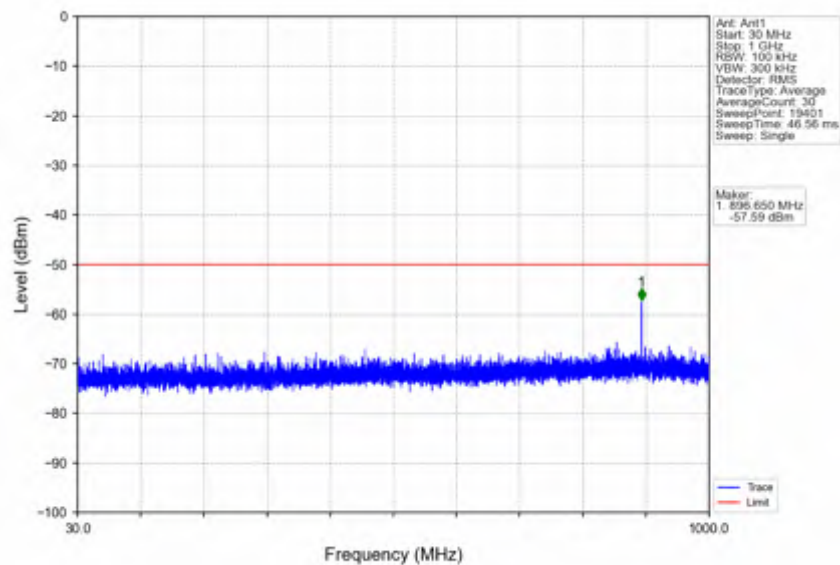
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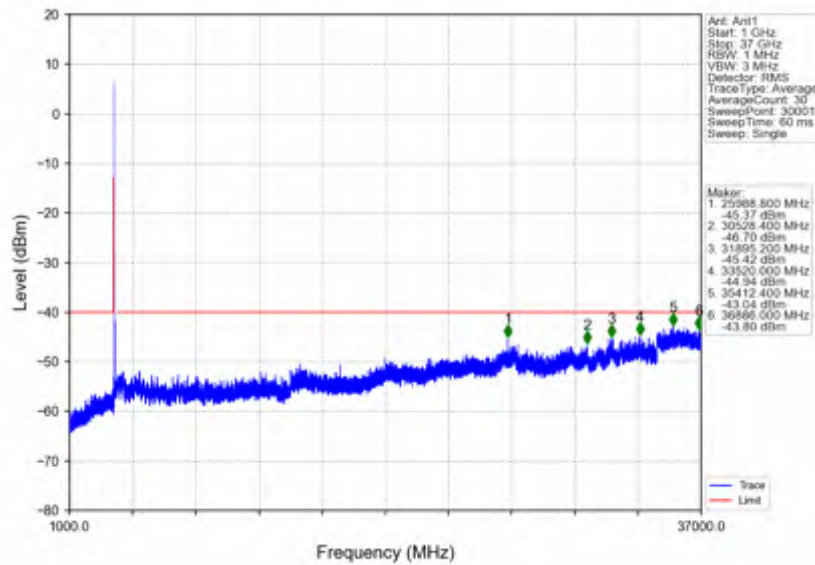
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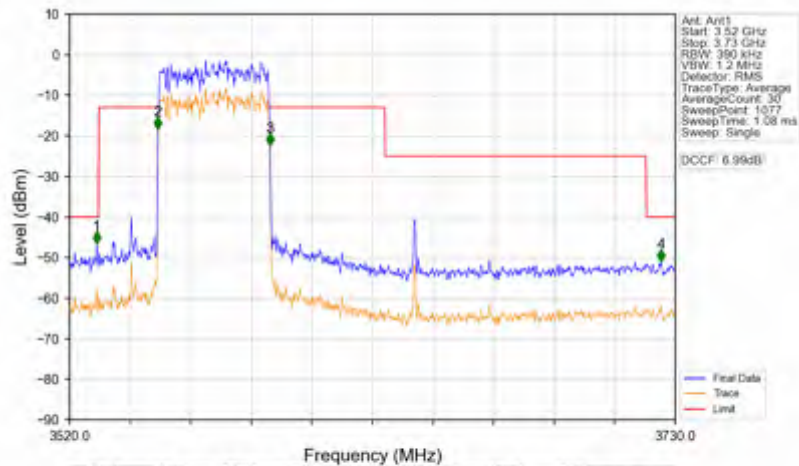
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n78d_30kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_3570MHz_Outer_Full



| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3520 | 3549.656 | 1 | 4.09 | 1 | 3529.368 | -46.65 | -40 | Pass |
| 3549.656 | 3550.656 | 0.39 | 0 | 2 | 3550.641 | -18.38 | -13 | Pass |
| 3550.656 | 3589.345 | 0.39 | 0 | 3 | 3589.480 | -22.41 | -13 | Pass |
| 3589.345 | 3690.345 | 0.39 | 0 | 3 | 3589.480 | -22.41 | -13 | Pass |
| 3590.345 | 3730 | 1 | 4.09 | 4 | 3725.121 | -51.03 | -40 | Pass |



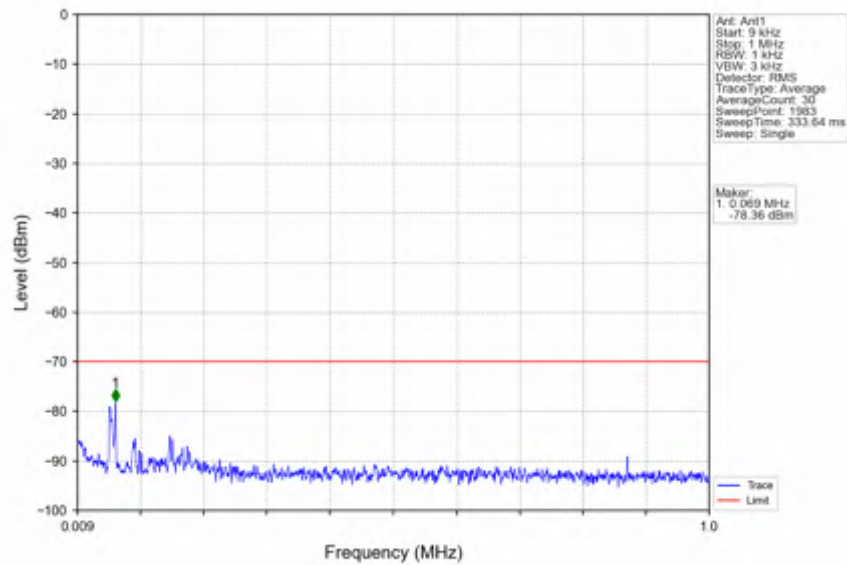
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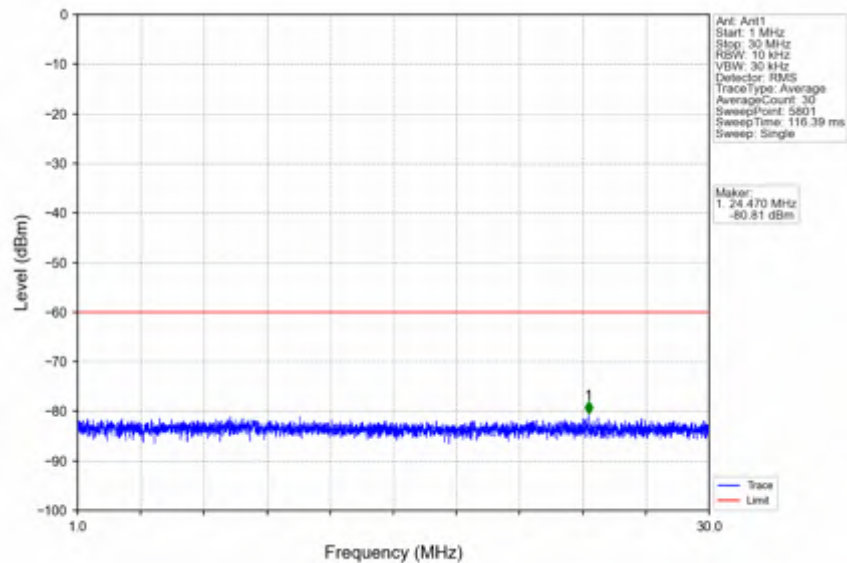
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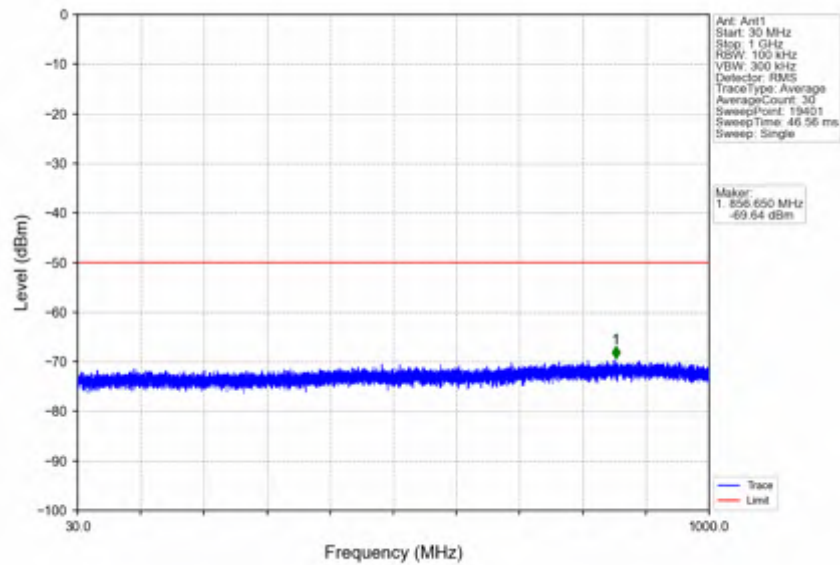
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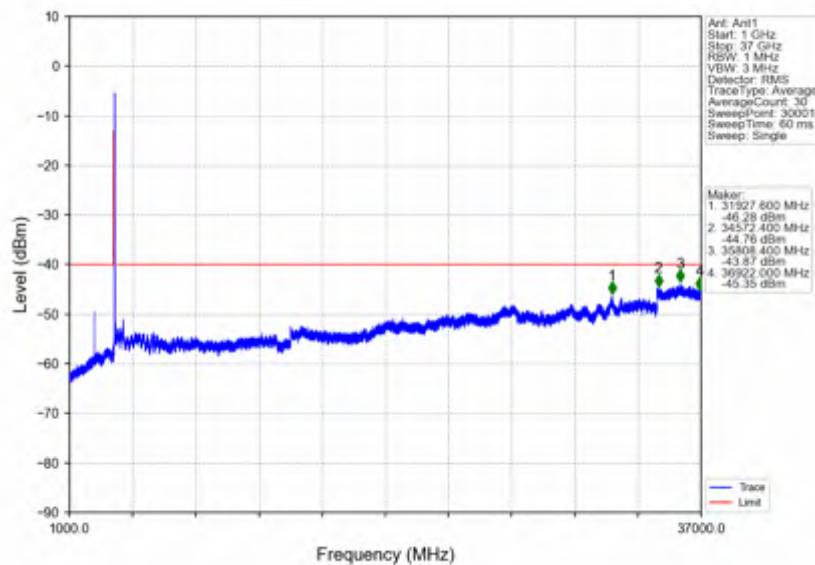
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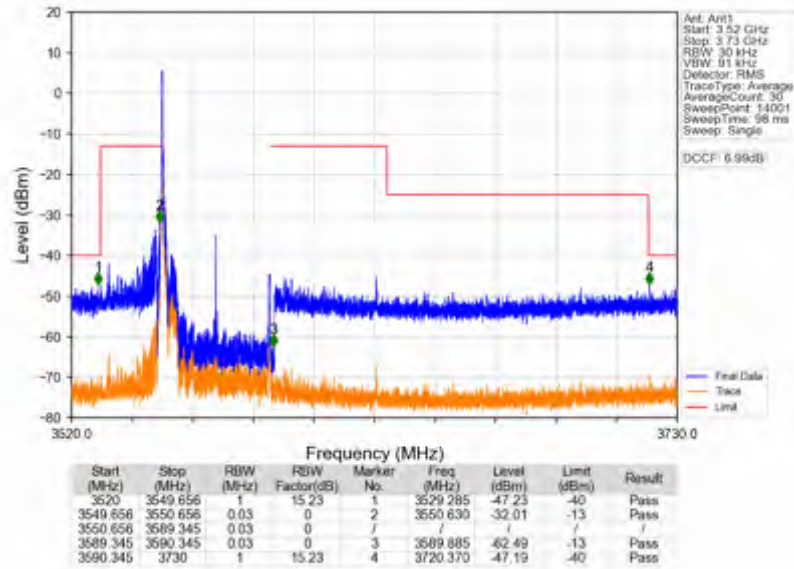
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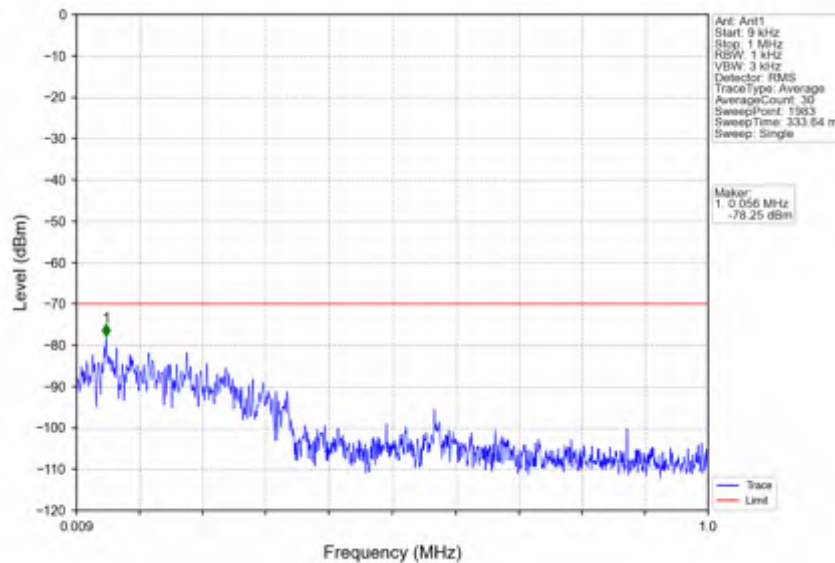
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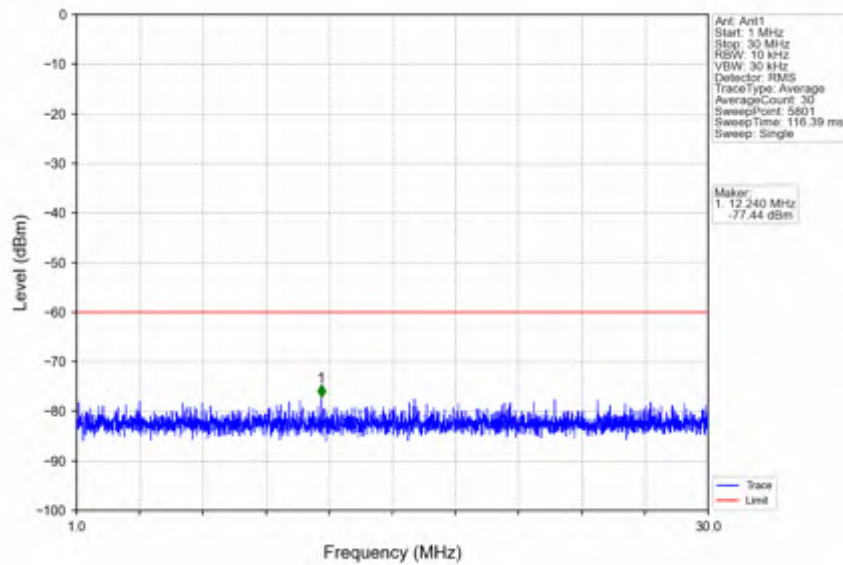


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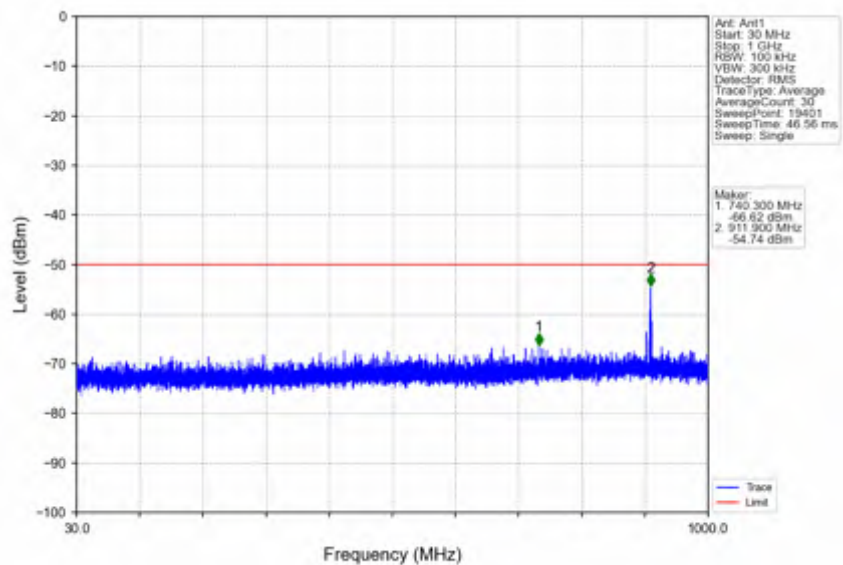
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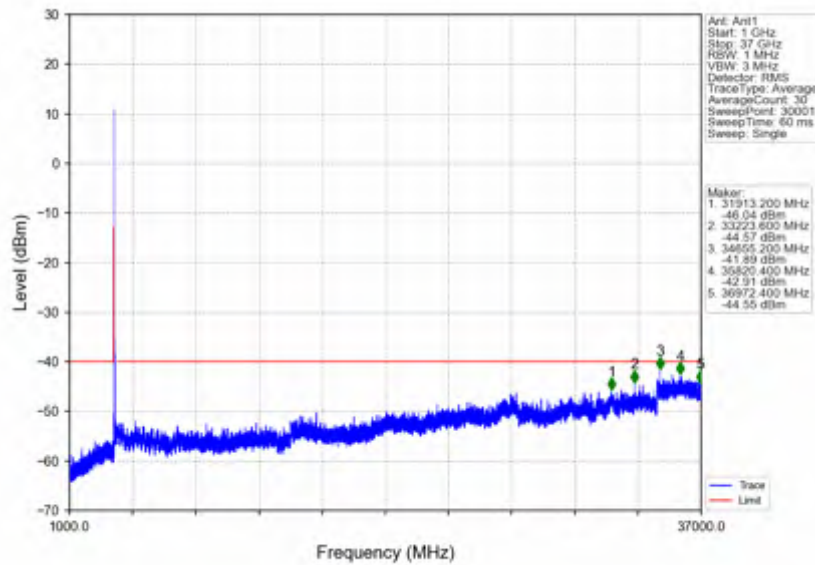
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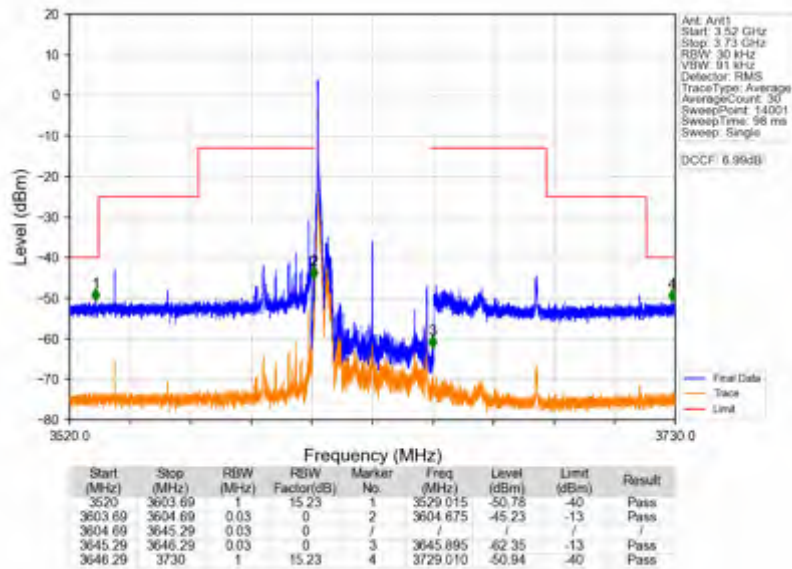
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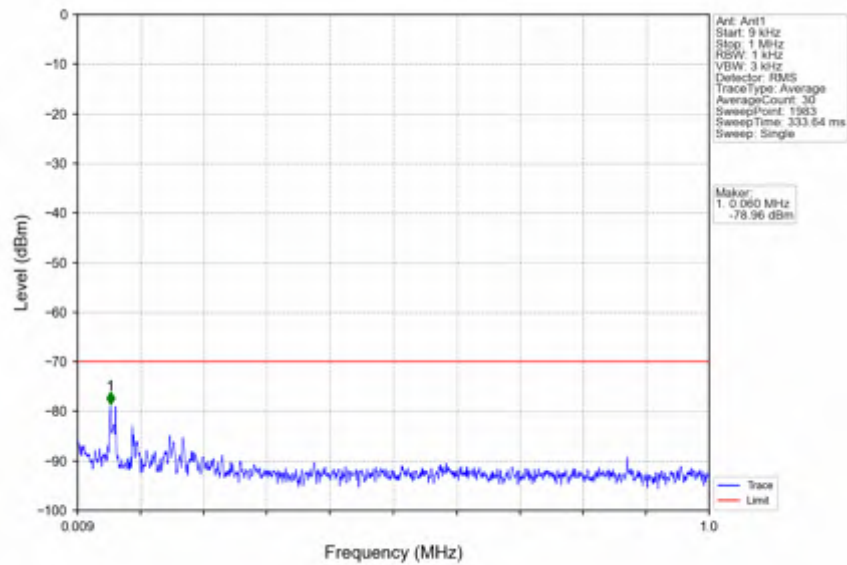


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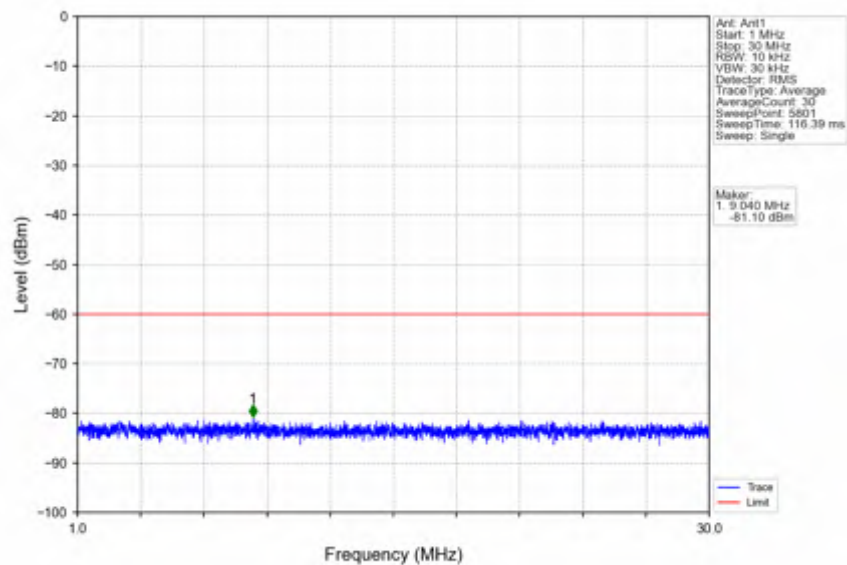
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n78d_30kHz_SISO_NTVV_40MHz_CP-OFDM QPSK_3624.99MHz_Edge_1RB_Left



n78d_30kHz_SISO_NTVV_40MHz_CP-OFDM QPSK_3624.99MHz_Edge_1RB_Left



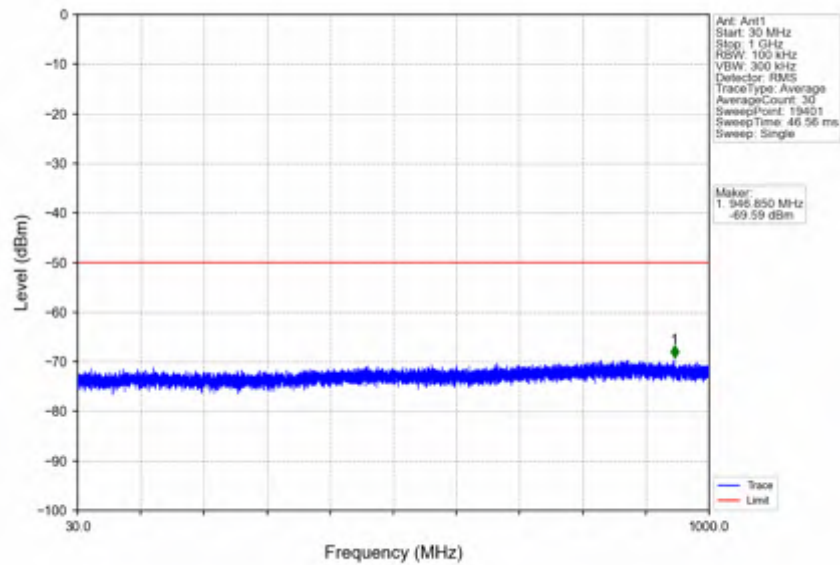
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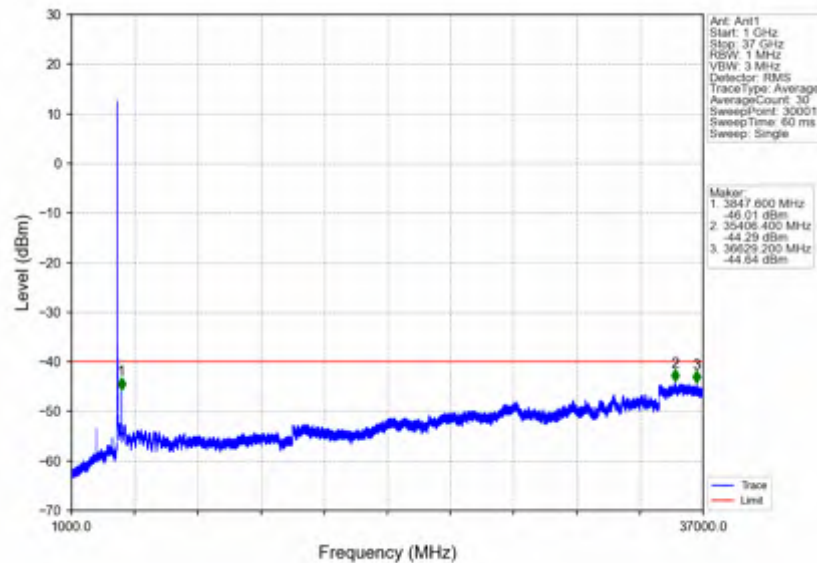
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n78d_30kHz_SISO_NTVV_40MHz_CP-OFDM QPSK_3624.99MHz_Edge_1RB_Left



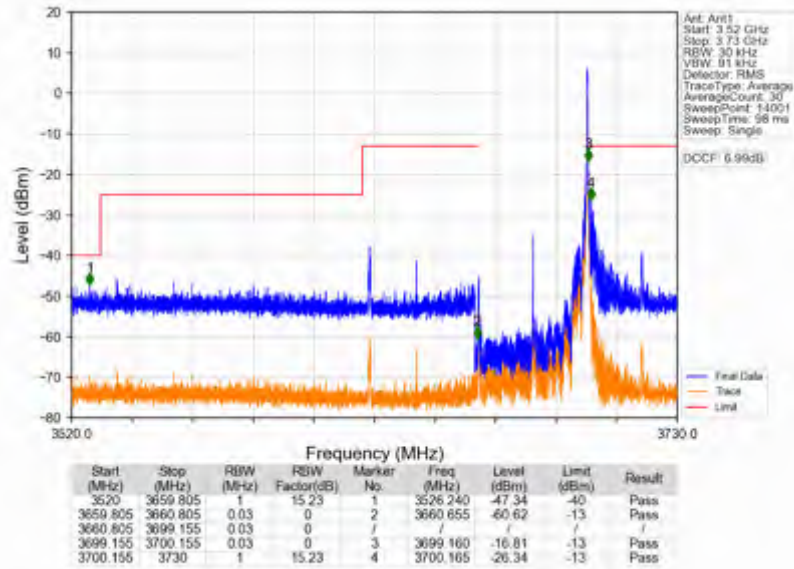
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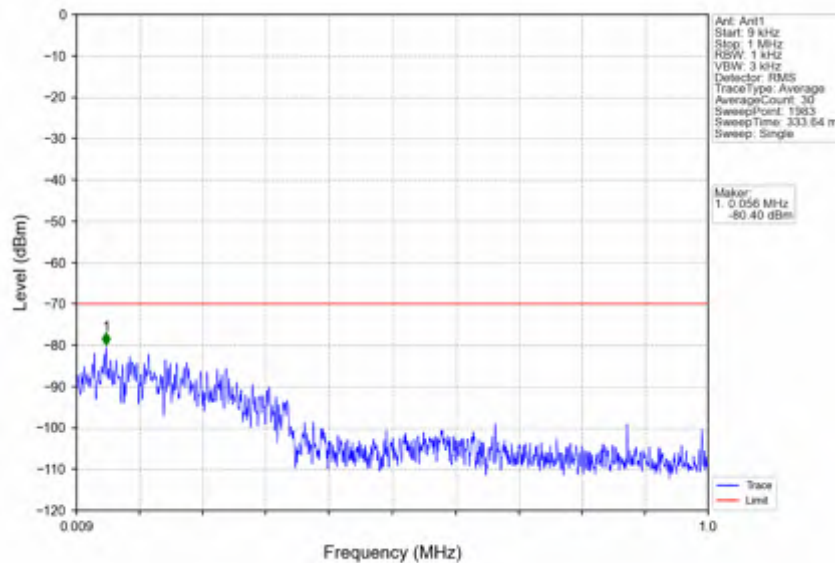
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n78d_30kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_3679.98MHz_Edge_1RB_Right



n78d_30kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_3679.98MHz_Edge_1RB_Right

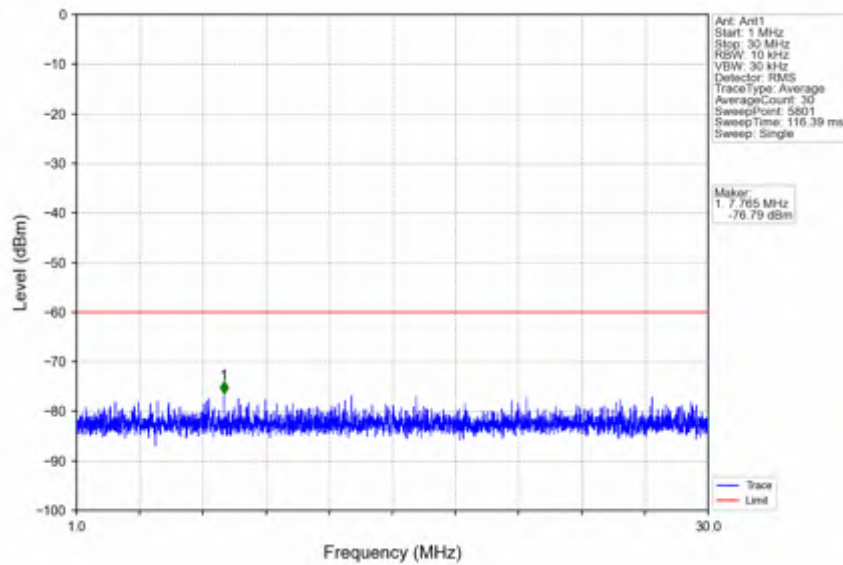


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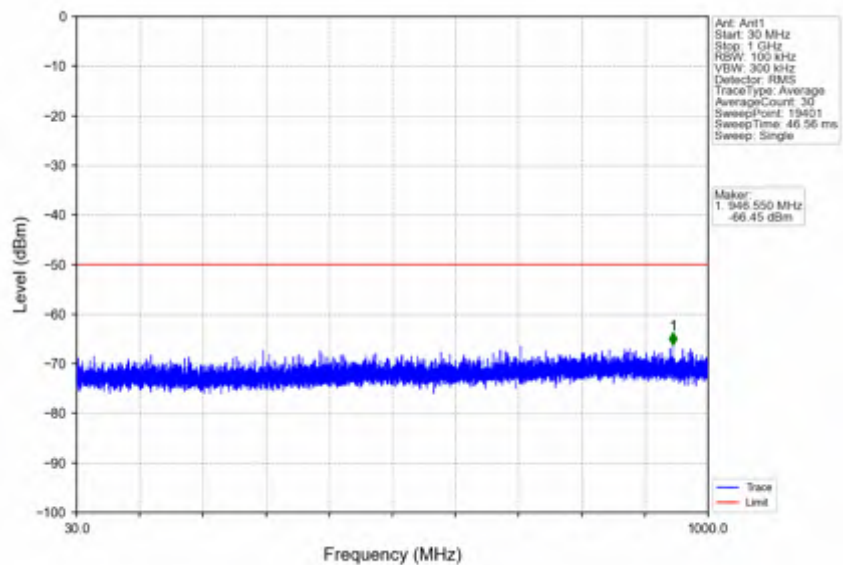
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n78d_30kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_3679.98MHz_Edge_1RB_Right



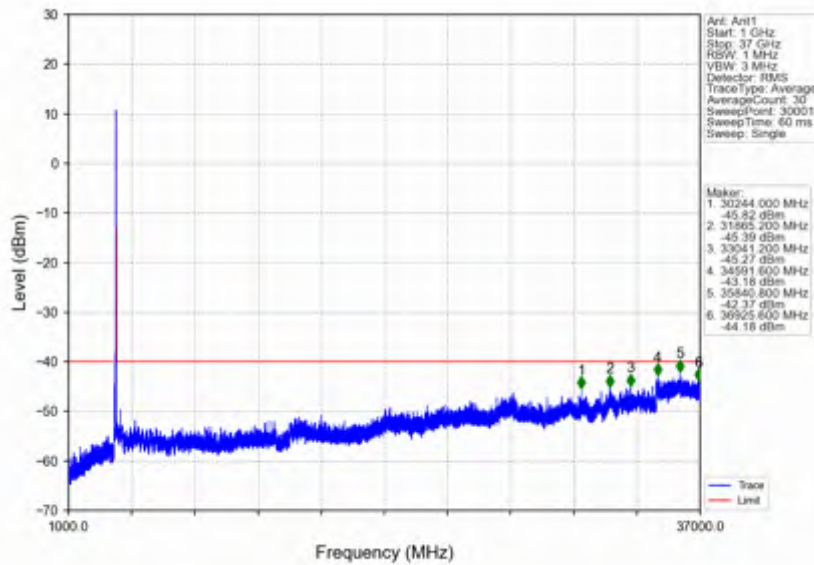
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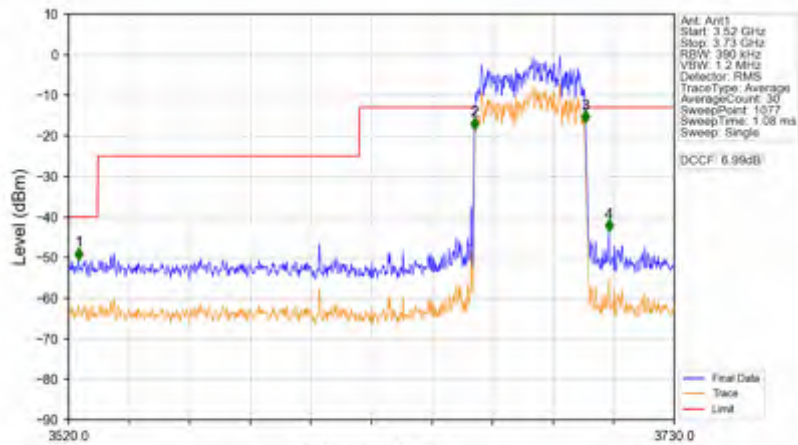
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n78d_30kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_3679.98MHz_Outer_Full



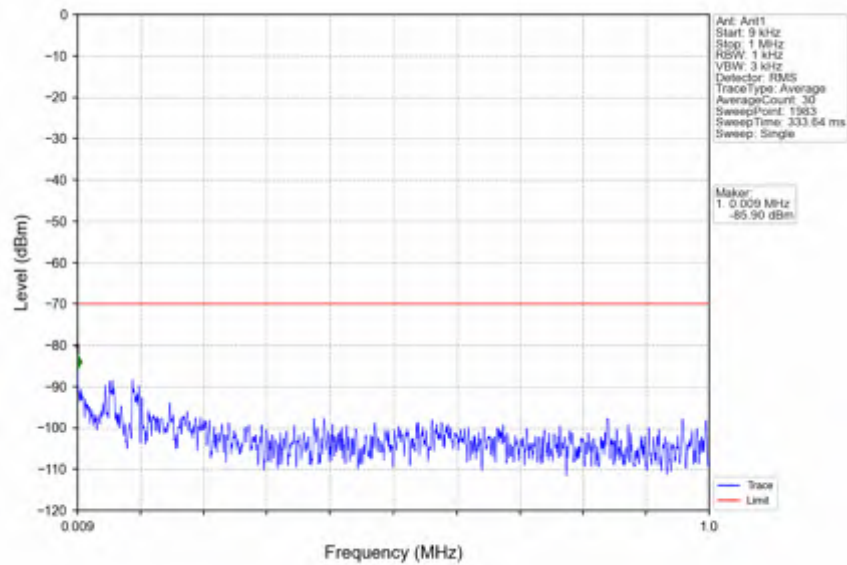
| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor (dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|-----------------|------------|------------|-------------|-------------|--------|
| 3520 | 3659.805 | 1 | 4.09 | 1 | 3523.513 | -50.58 | -40 | Pass |
| 3659.805 | 3660.805 | 0.39 | 0 | 2 | 3660.716 | -18.50 | -13 | Pass |
| 3660.805 | 3699.155 | 0.39 | 0 | 3 | 3699.164 | -16.83 | -13 | Pass |
| 3699.155 | 3700.155 | 0.39 | 0 | 4 | 3707.361 | -43.63 | -13 | Pass |



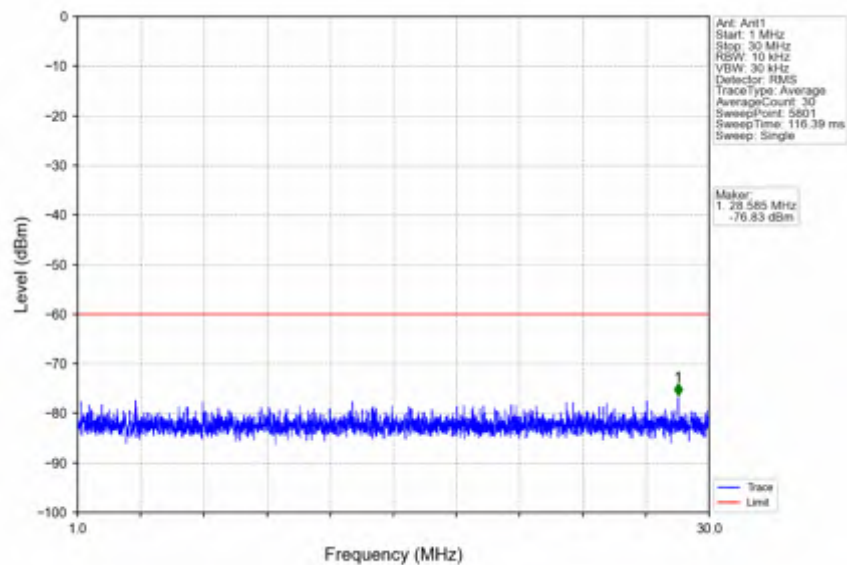
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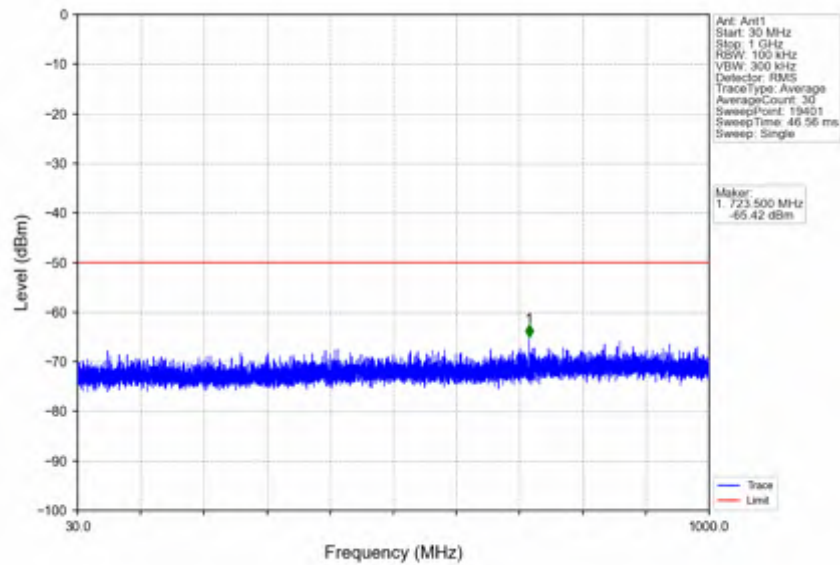
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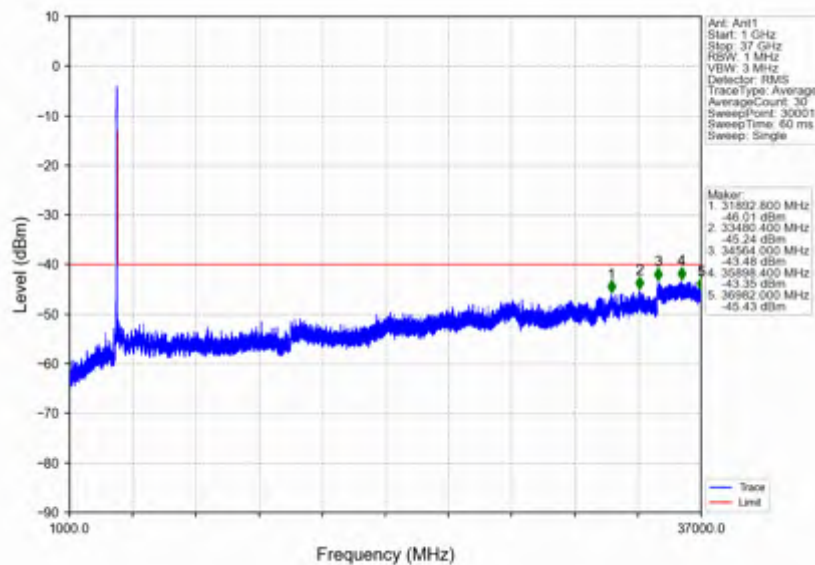
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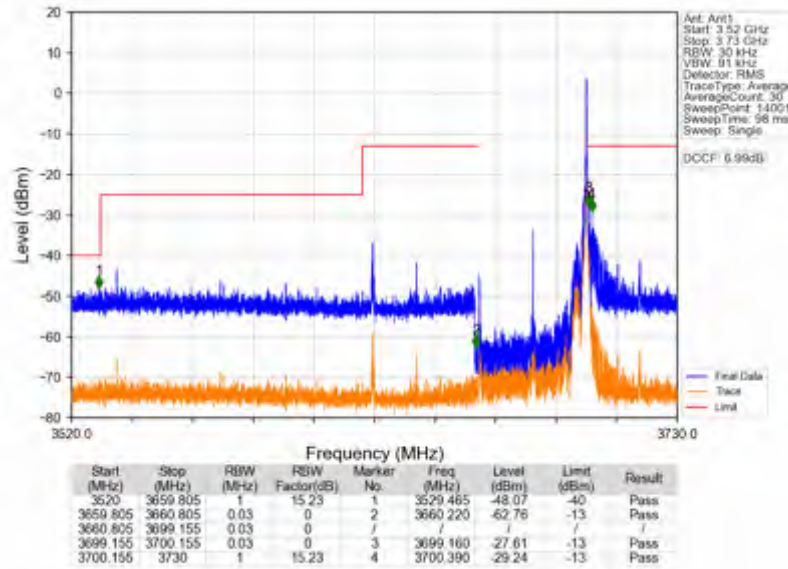
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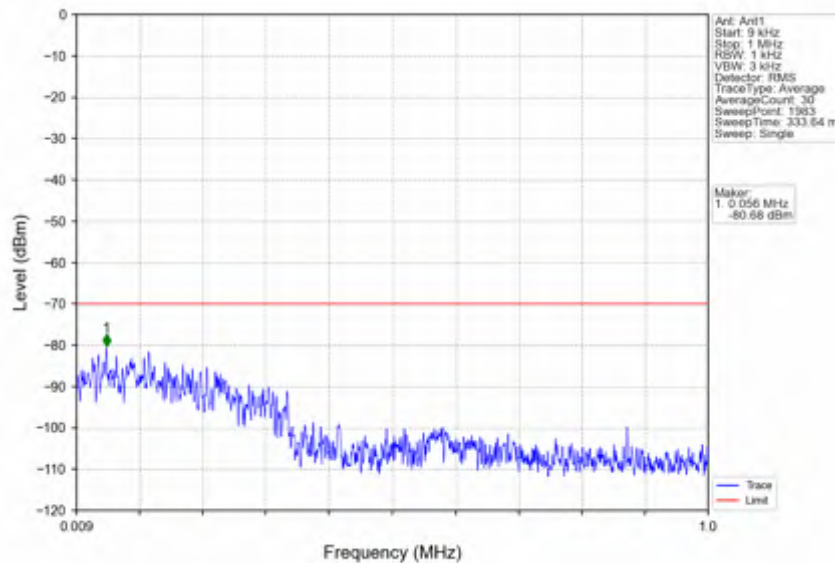
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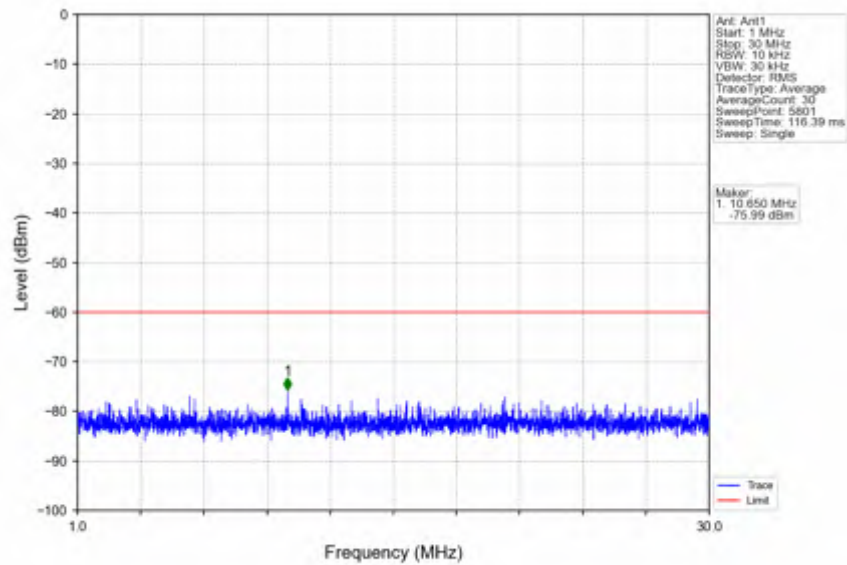


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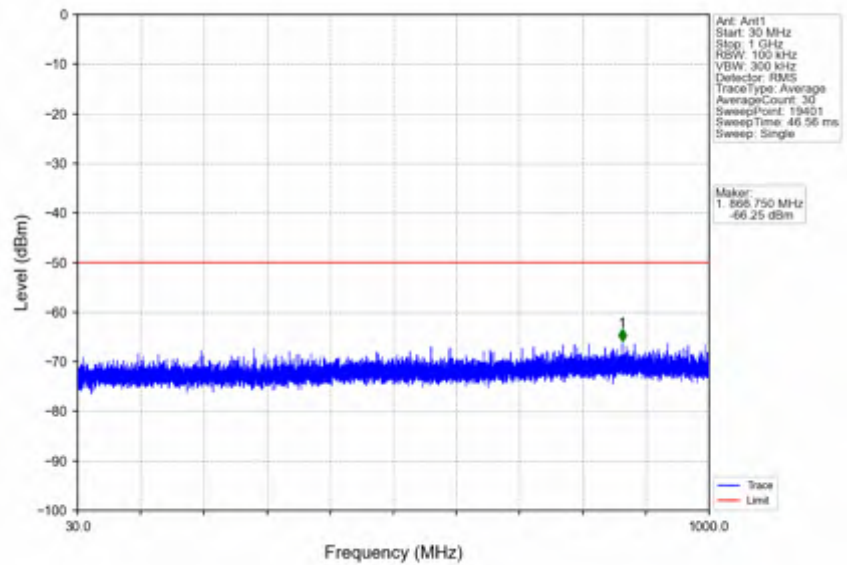
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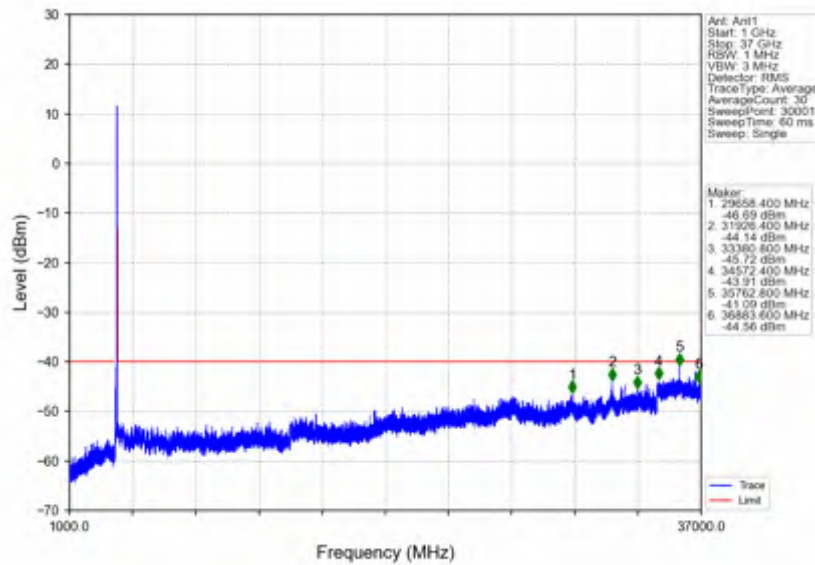
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8.14 30k_SISO_50MHz_NTNV

8.14.1 Test Result

| 5G NR n78d SCS=30kHz SISO 50MHz NTNv | | | | | | |
|--------------------------------------|-----------------|---------------------|---------------------|------|------|---------|
| Modulation | Frequency (MHz) | RB Allocation | Spurious Emission | | | Verdict |
| | | | Ant1 | Ant2 | Sum | |
| DFT-s-OFDM PI/2 BPSK | 3575.01 | Edge_1RB_Left | Refer To Test Graph | | | Pass |
| | | Outer_Full | Refer To Test Graph | | | Pass |
| | | Inner_1RB_Left | Refer To Test Graph | | | Pass |
| | 3624.99 | Edge_1RB_Left | Refer To Test Graph | | | Pass |
| | | Edge_1RB_Right | Refer To Test Graph | | | Pass |
| | | Outer_Full | Refer To Test Graph | | | Pass |
| DFT-s-OFDM QPSK | 3575.01 | Edge_1RB_Left | Refer To Test Graph | | | Pass |
| | | Outer_Full | Refer To Test Graph | | | Pass |
| | | Inner_1RB_Left | Refer To Test Graph | | | Pass |
| | 3624.99 | Edge_1RB_Left | Refer To Test Graph | | | Pass |
| | | Edge_1RB_Right | Refer To Test Graph | | | Pass |
| | | Outer_Full | Refer To Test Graph | | | Pass |
| CP-OFDM QPSK | 3575.01 | Edge_1RB_Left | Refer To Test Graph | | | Pass |
| | | Outer_Full | Refer To Test Graph | | | Pass |
| | | Inner_1RB_Left | Refer To Test Graph | | | Pass |
| | 3624.99 | Edge_1RB_Left | Refer To Test Graph | | | Pass |
| | | Edge_1RB_Right | Refer To Test Graph | | | Pass |
| | | Outer_Full | Refer To Test Graph | | | Pass |
| 3675 | Edge_1RB_Right | Refer To Test Graph | | | Pass | |
| | Outer_Full | Refer To Test Graph | | | Pass | |
| | Inner_1RB_Right | Refer To Test Graph | | | Pass | |



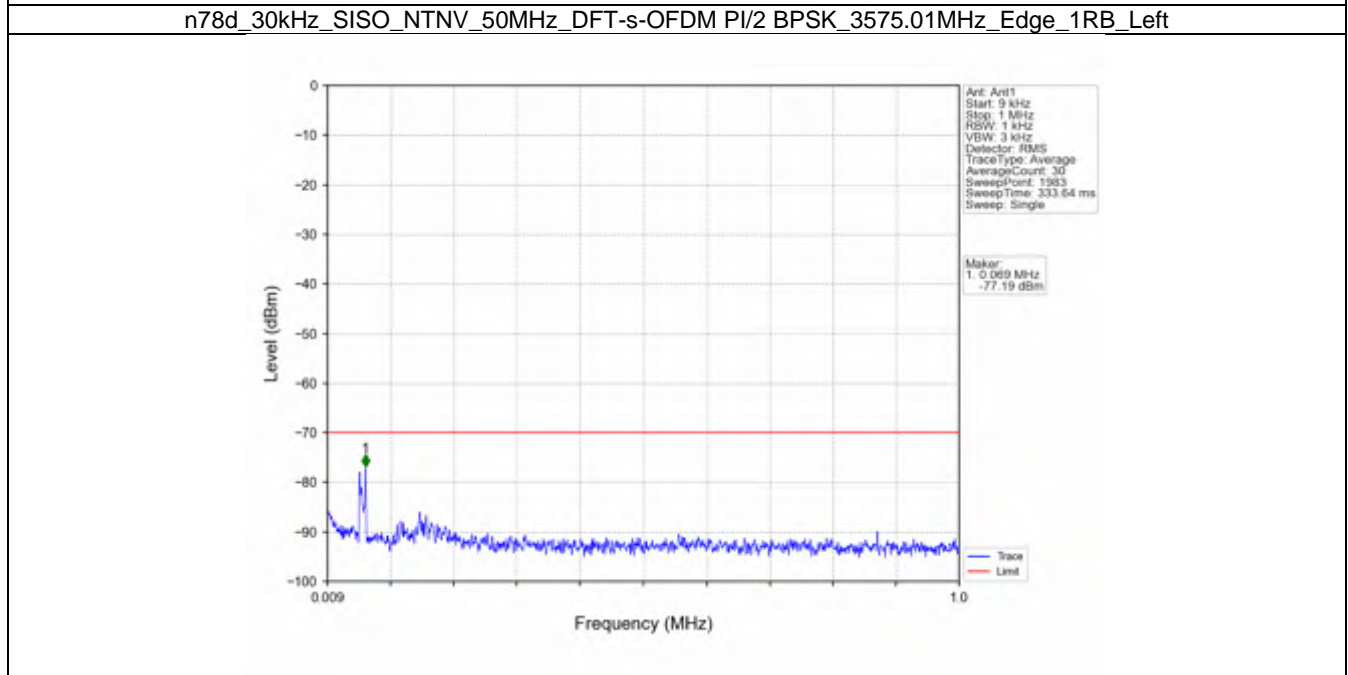
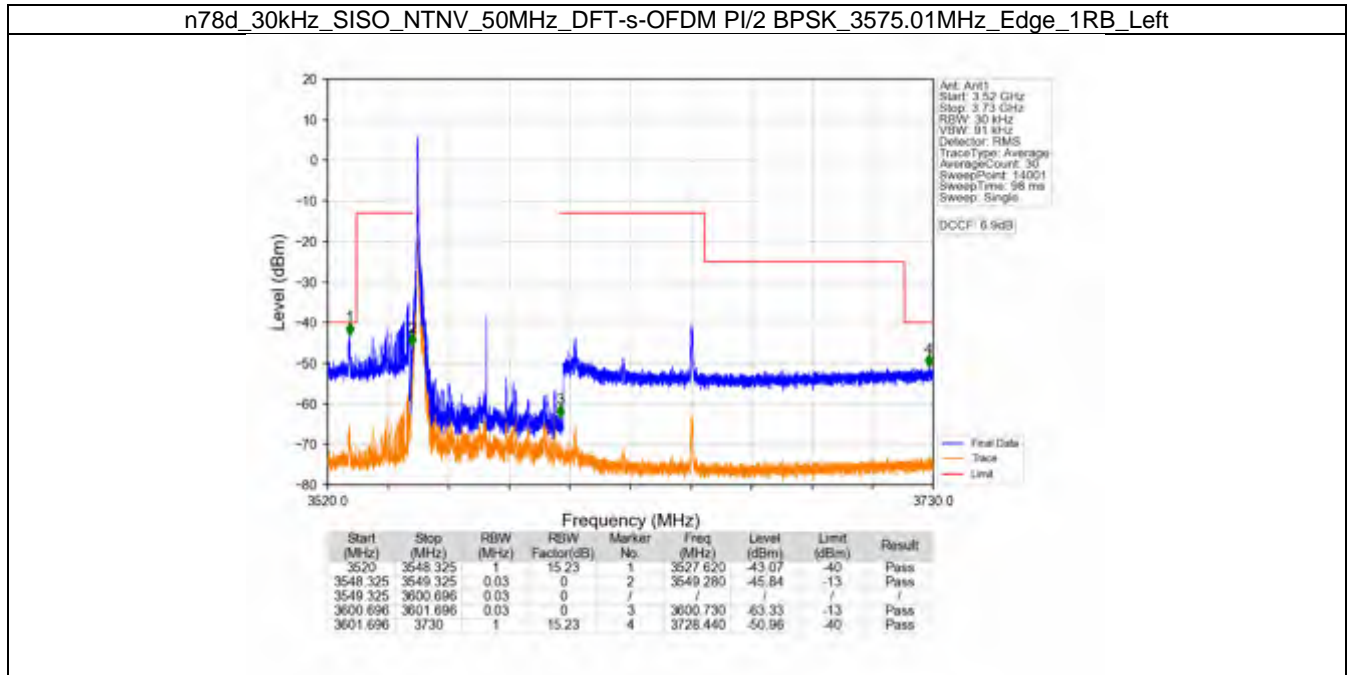
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8.14.2 Test Graph



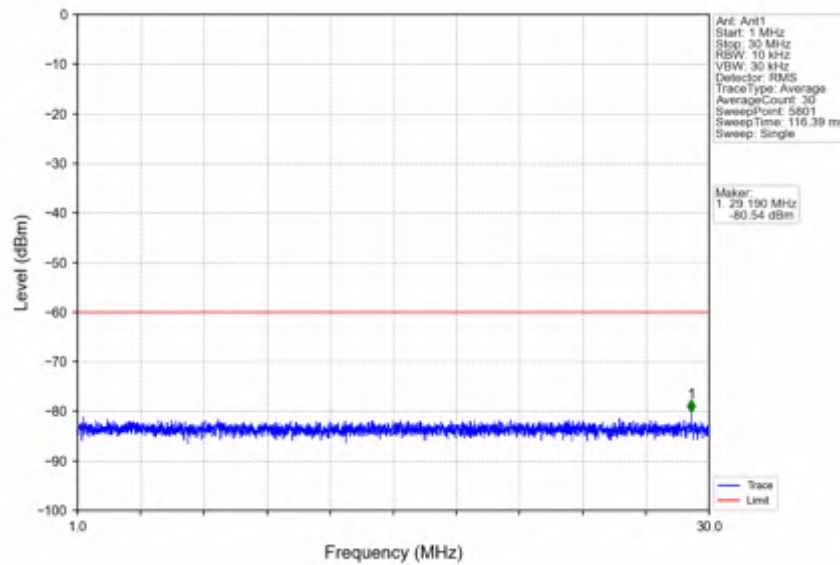
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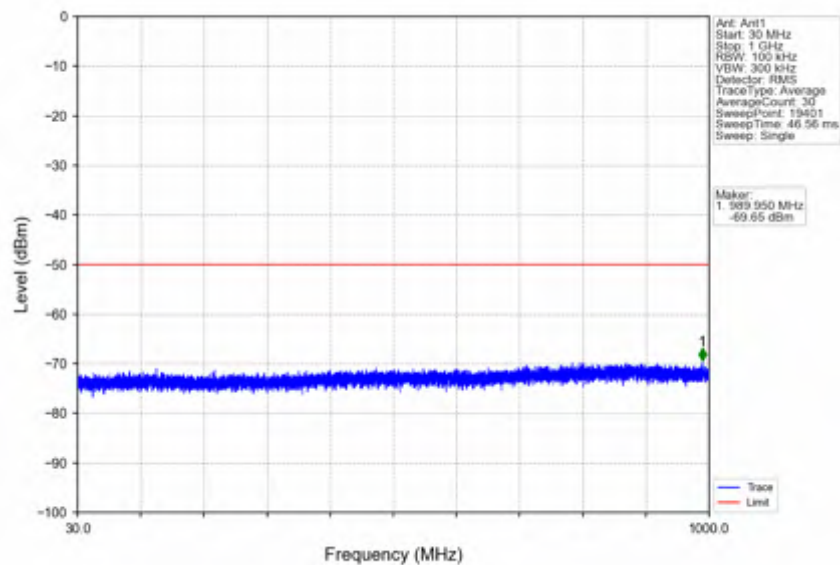
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n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3575.01MHz_Edge_1RB_Left



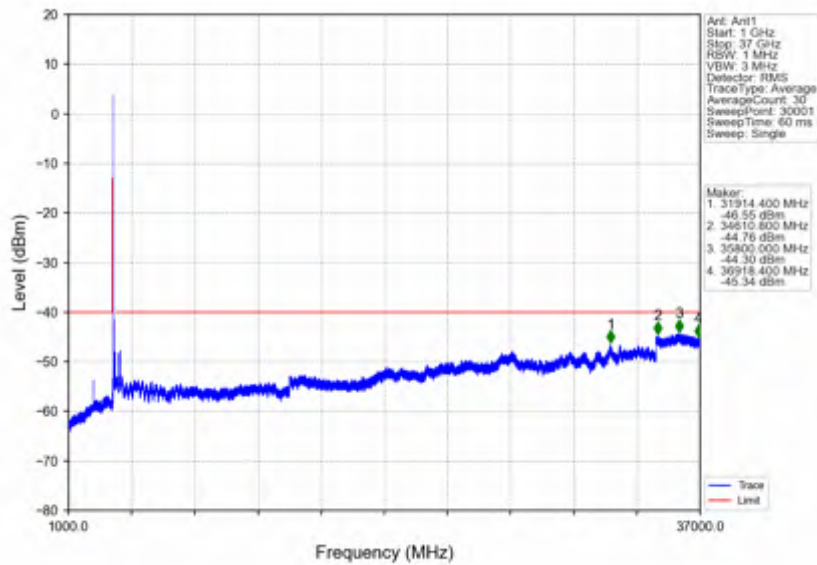
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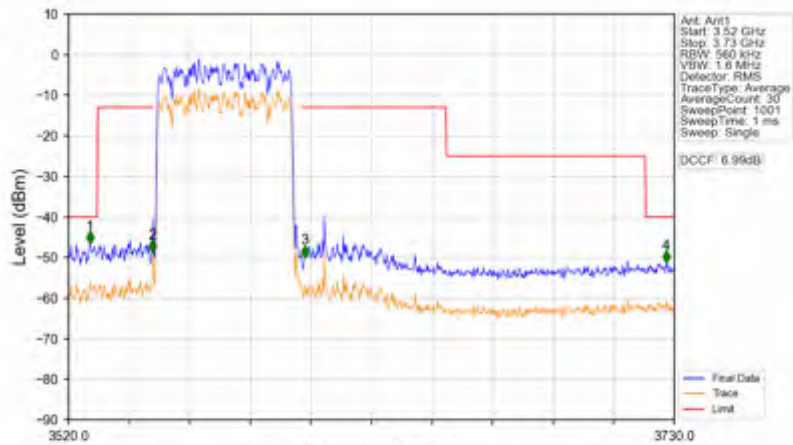
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n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3575.01MHz_Edge_1RB_Left



n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3575.01MHz_Outer_Full



| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3520 | 3548.108 | 1 | 2.52 | 1 | 3527.350 | -46.58 | -40 | Pass |
| 3548.108 | 3549.108 | 0.56 | 0 | 2 | 3548.980 | -48.68 | -13 | Pass |
| 3549.108 | 3600.912 | 0.56 | 0 | 3 | 3601.900 | -50.07 | -13 | Pass |
| 3600.912 | 3601.912 | 0.56 | 0 | 3 | 3601.900 | -50.07 | -13 | Pass |
| 3601.912 | 3730 | 1 | 2.52 | 4 | 3727.270 | -51.32 | -40 | Pass |

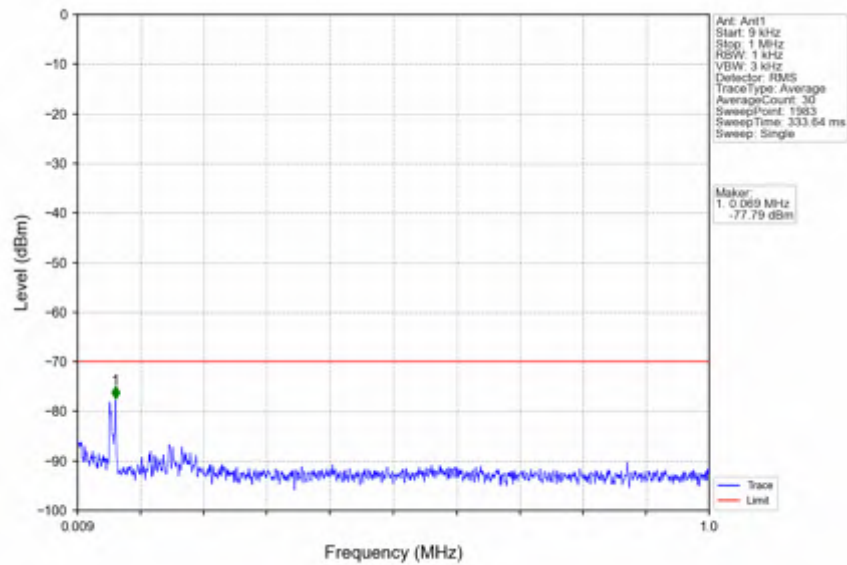


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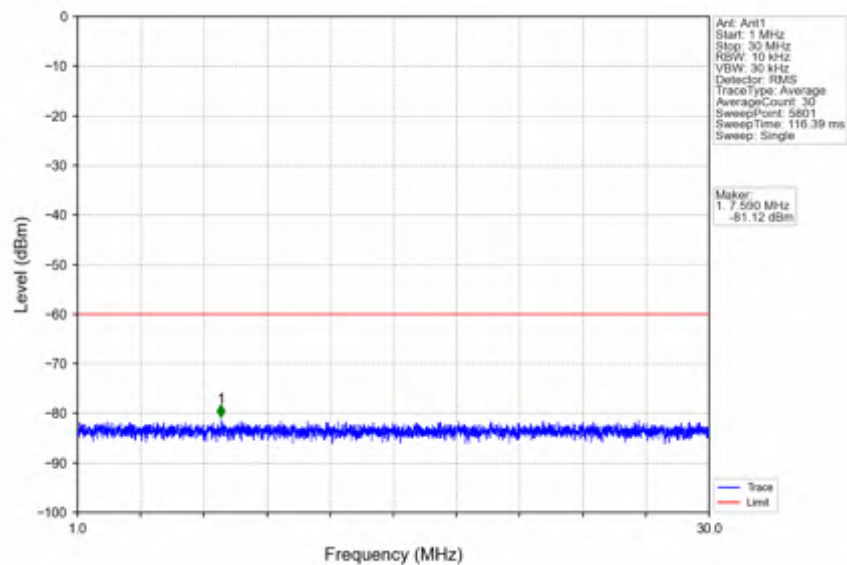
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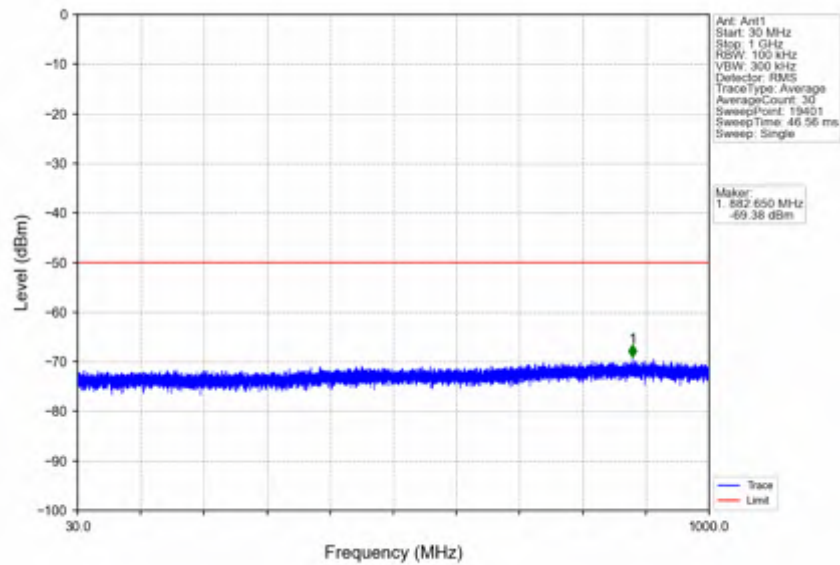
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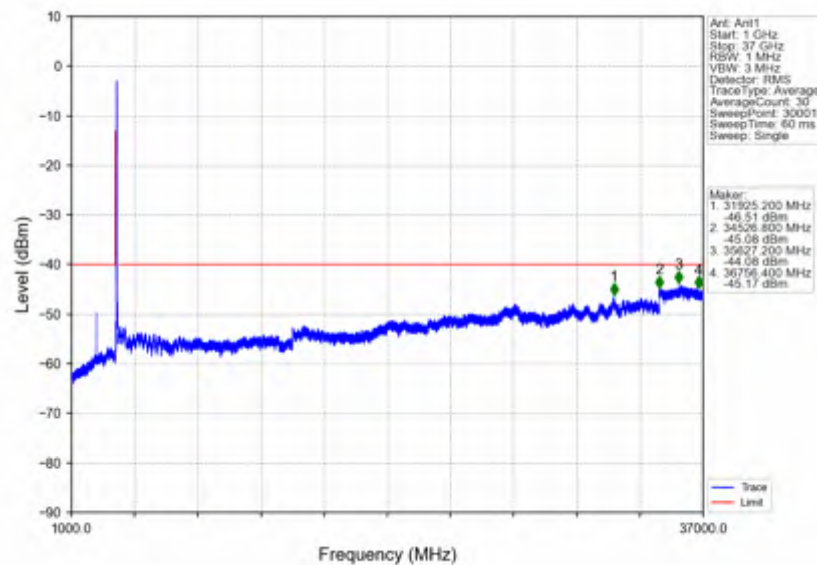
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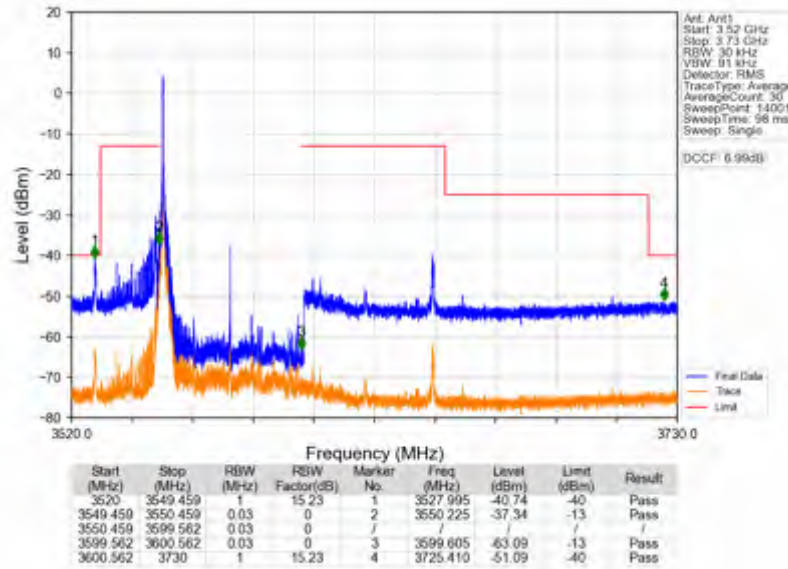


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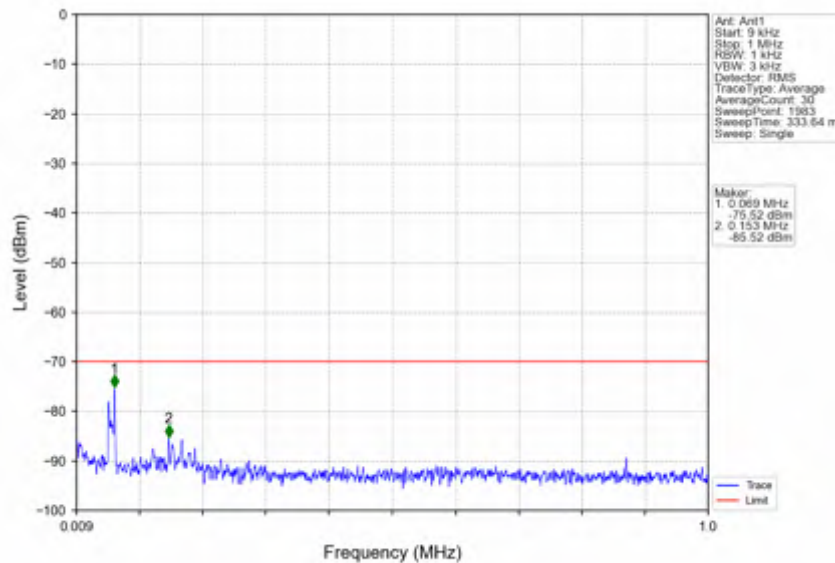
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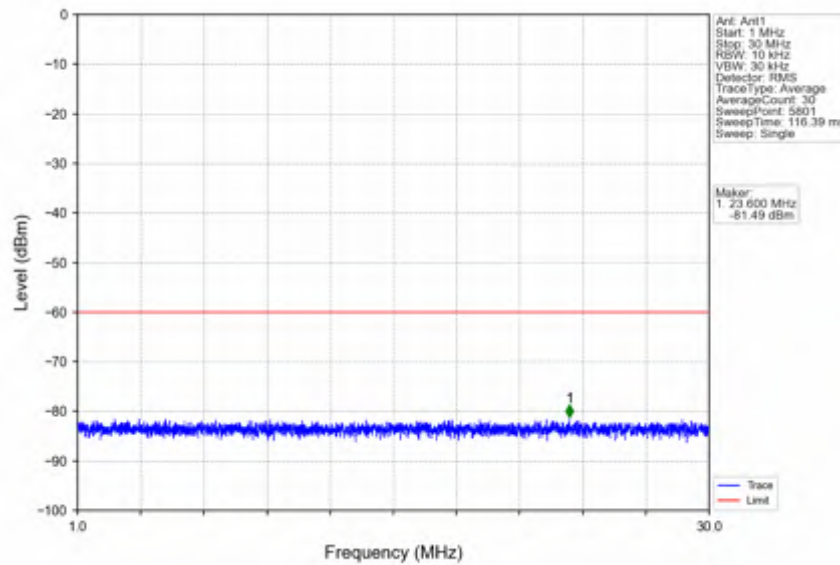


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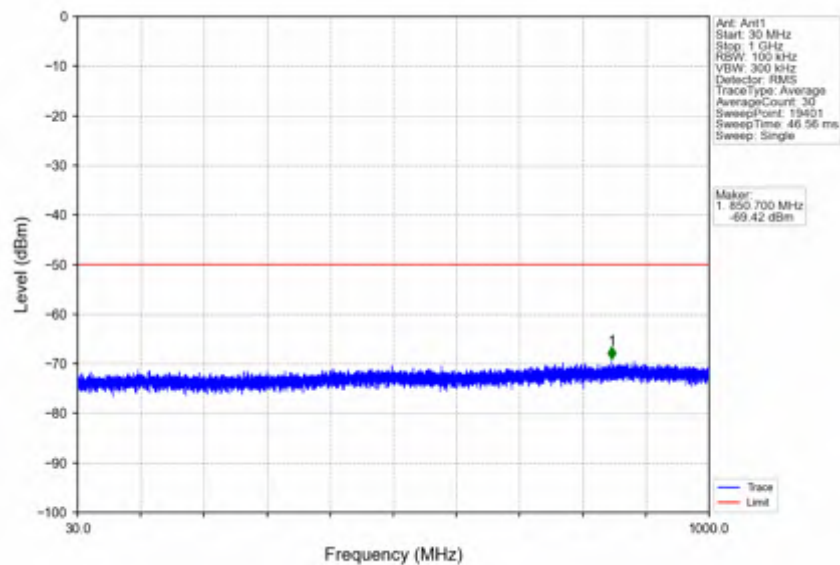
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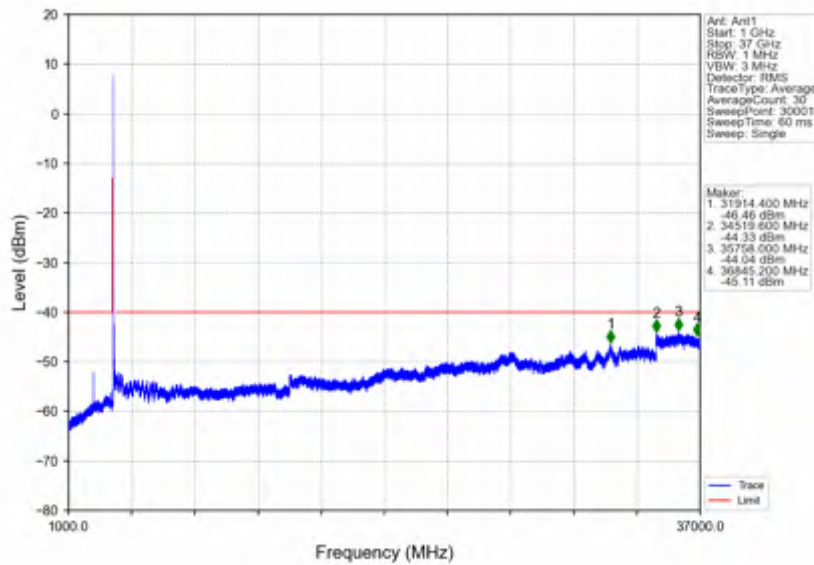


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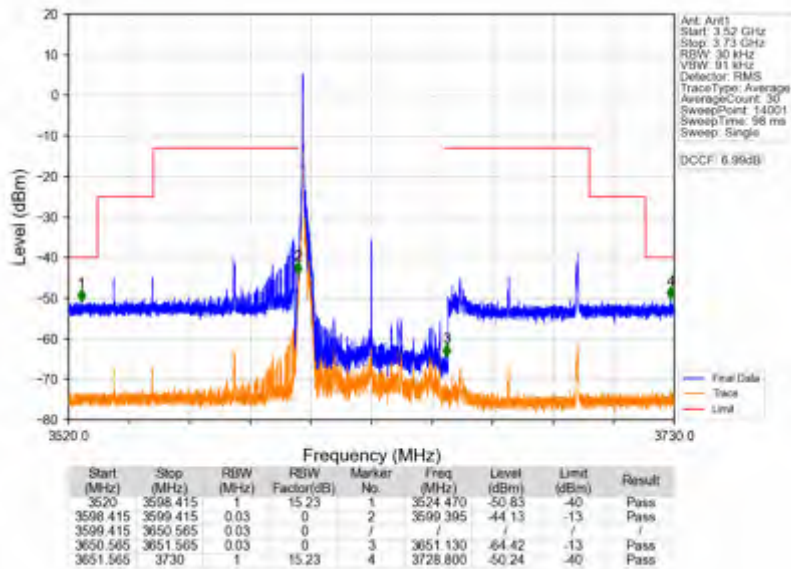
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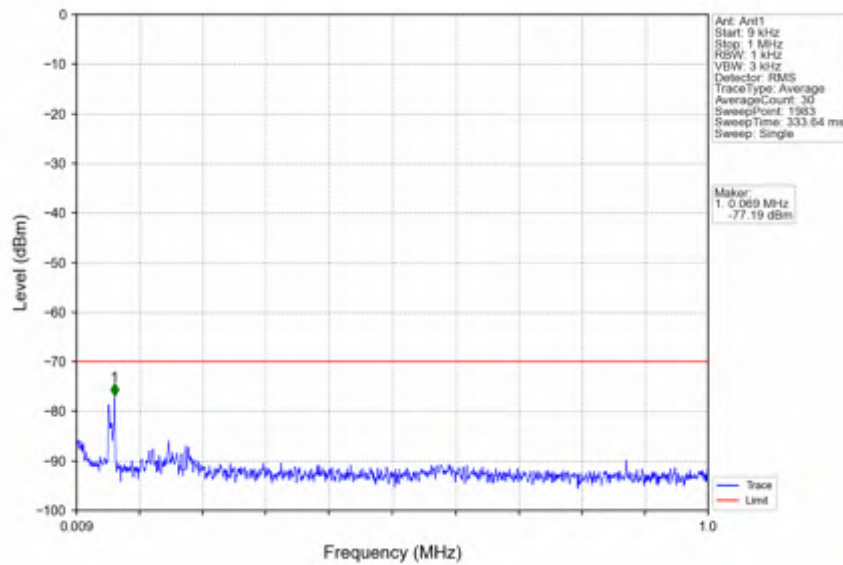


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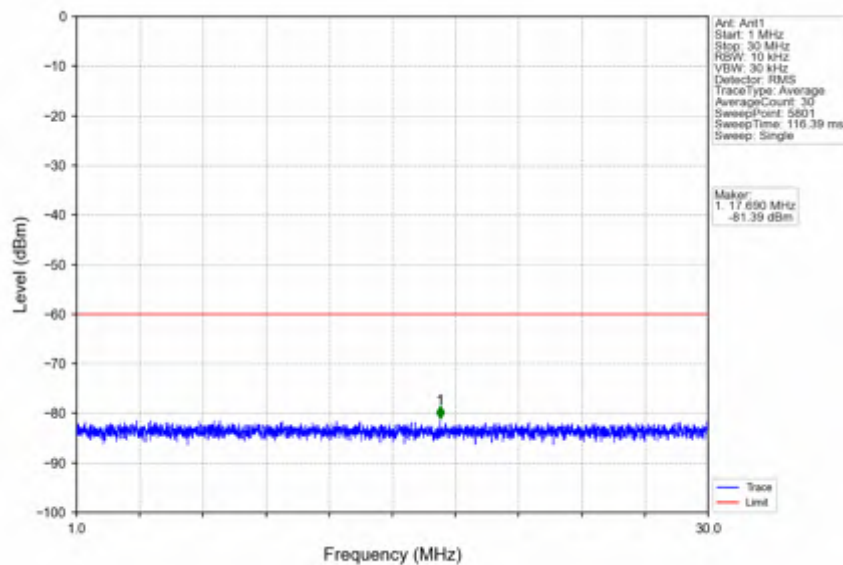
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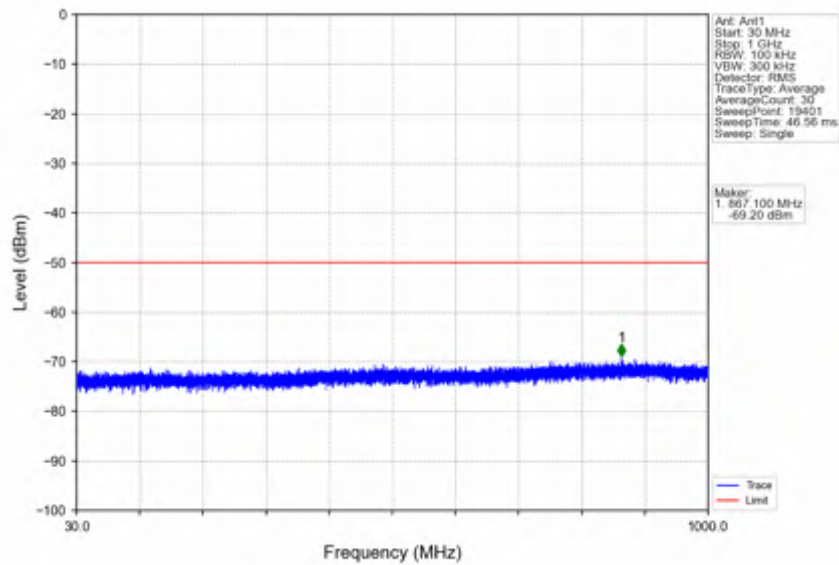
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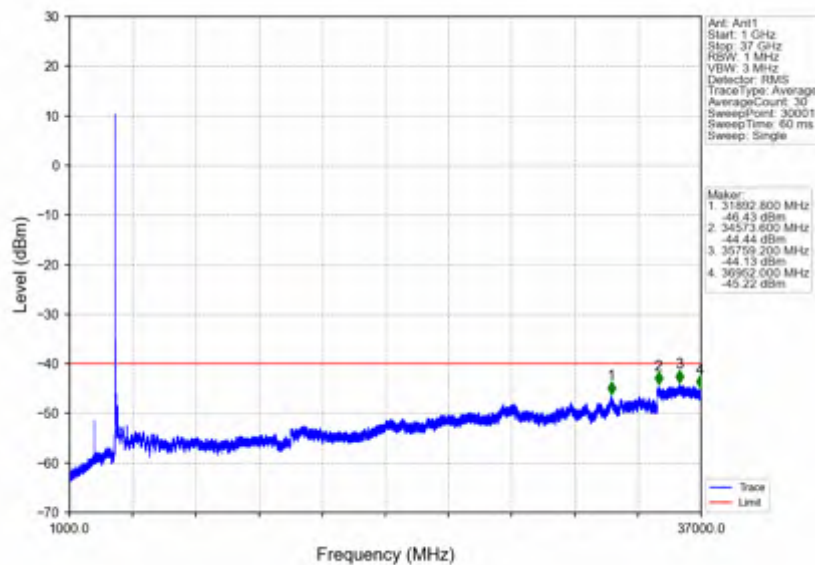
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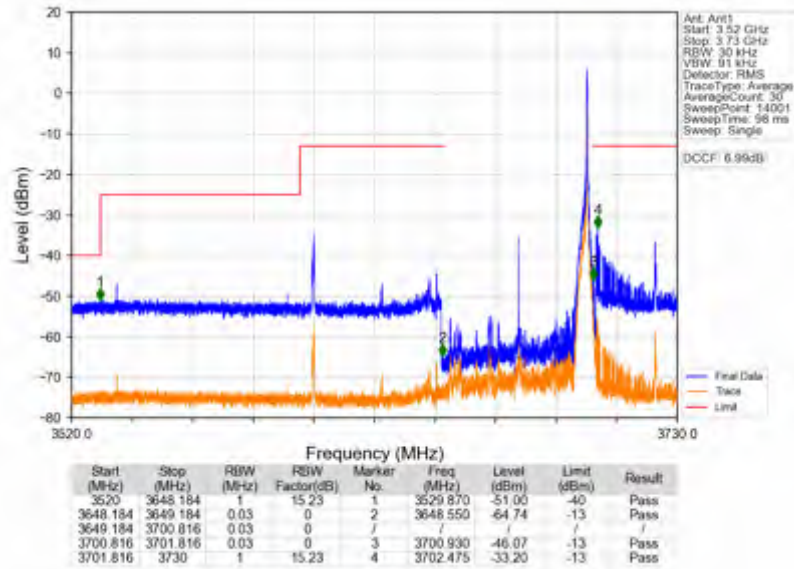
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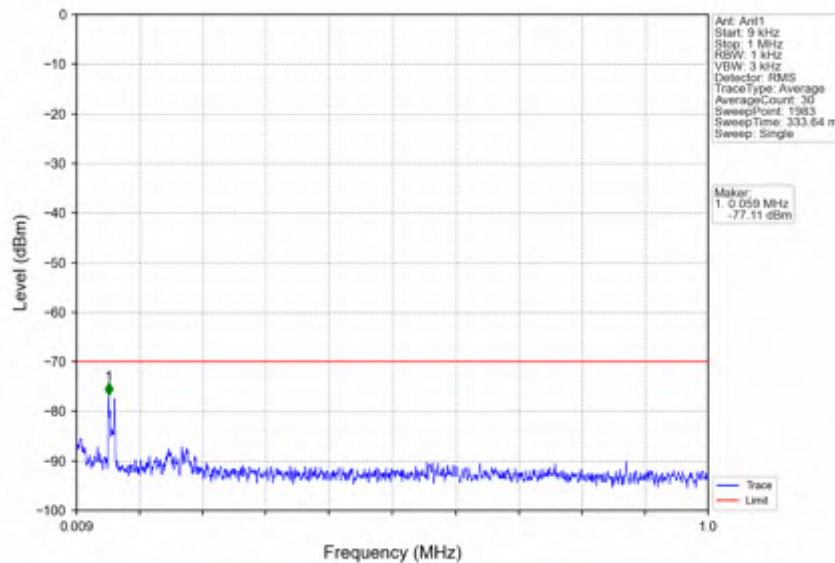
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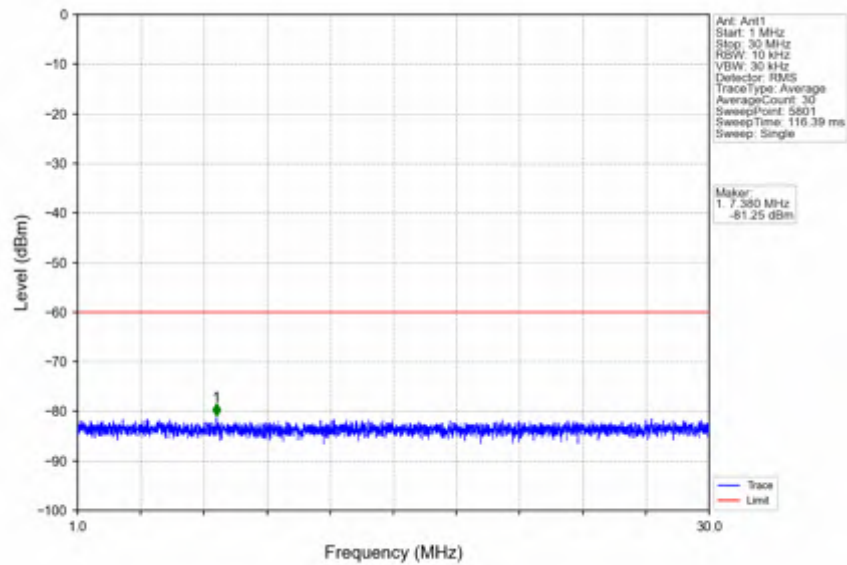


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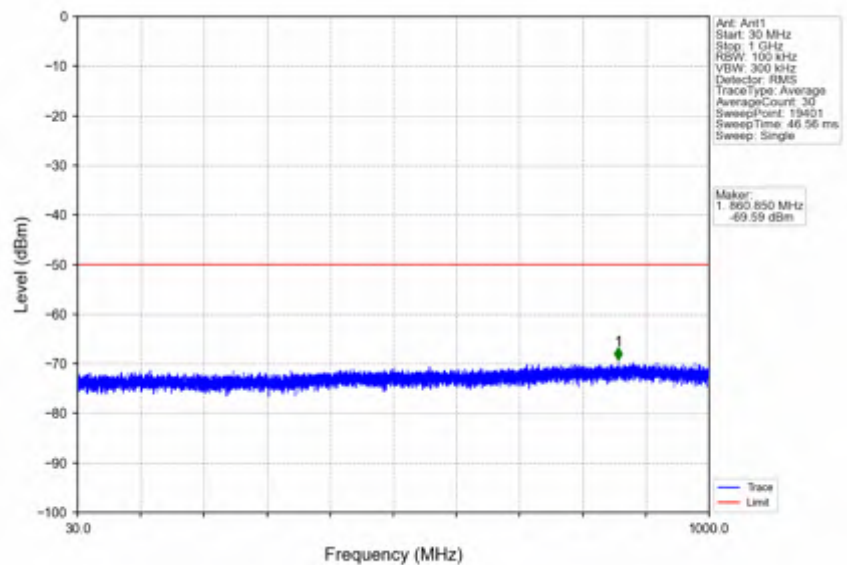
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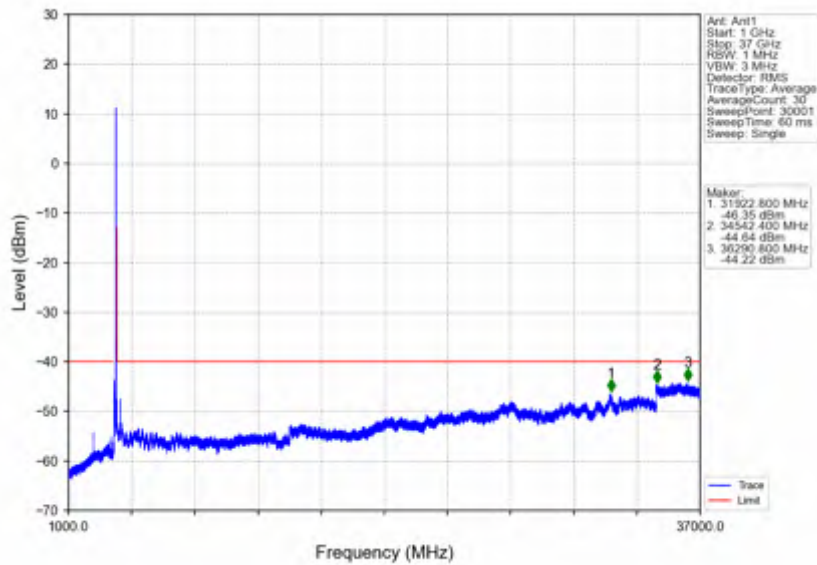
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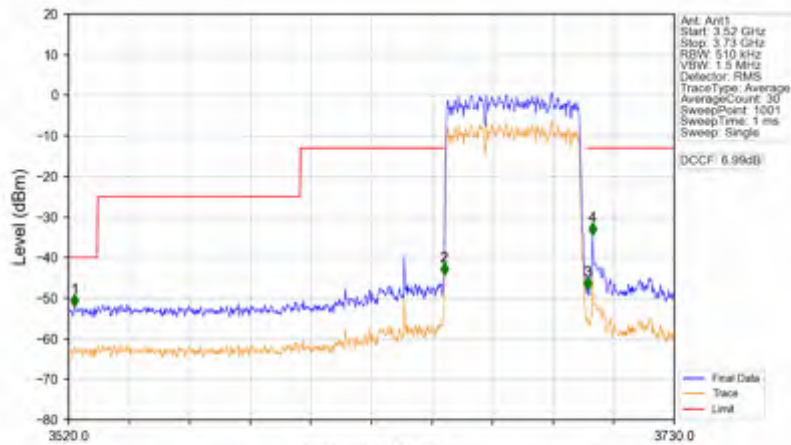
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| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3520 | 3649.363 | 1 | 2.92 | 1 | 3522.100 | -52.17 | -40 | Pass |
| 3649.363 | 3650.363 | 0.51 | 0 | 2 | 3650.200 | -44.35 | -13 | Pass |
| 3650.363 | 3699.638 | 0.51 | 0 | 3 | 3699.638 | -47.92 | -13 | Pass |
| 3699.638 | 3700.638 | 0.51 | 0 | 3 | 3699.638 | -47.92 | -13 | Pass |
| 3700.638 | 3730 | 1 | 2.92 | 4 | 3701.650 | -34.56 | -13 | Pass |

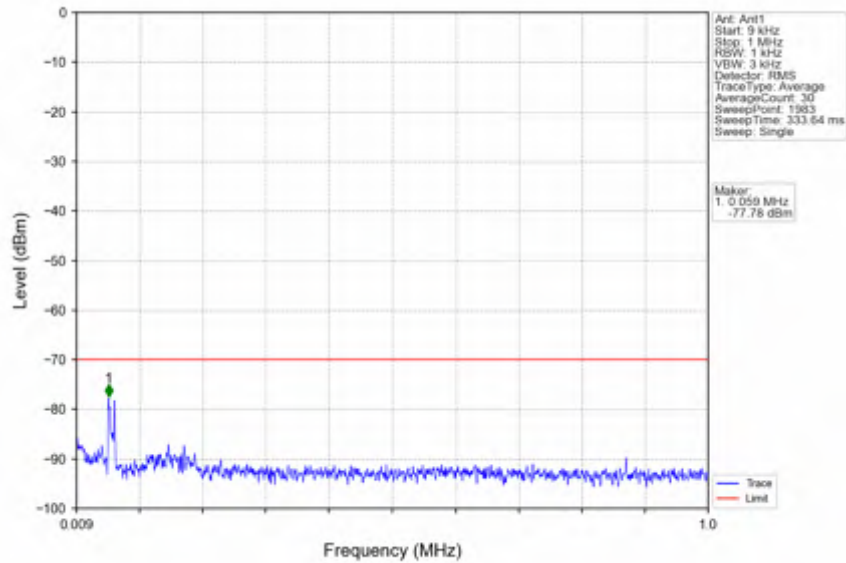


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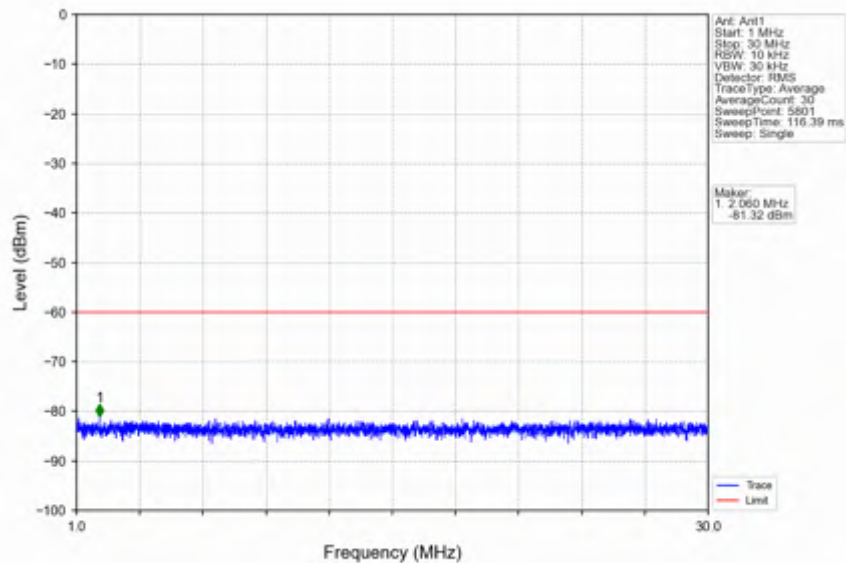
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n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3675MHz_Outer_Full



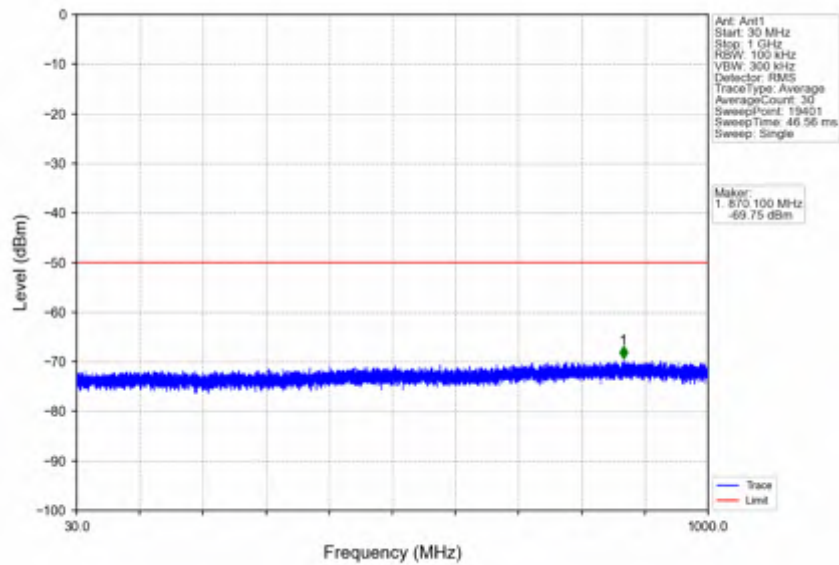
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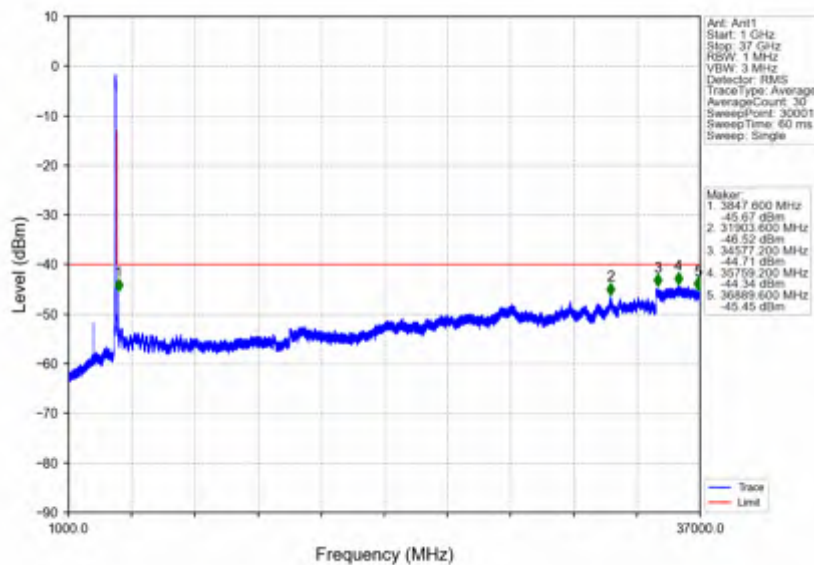
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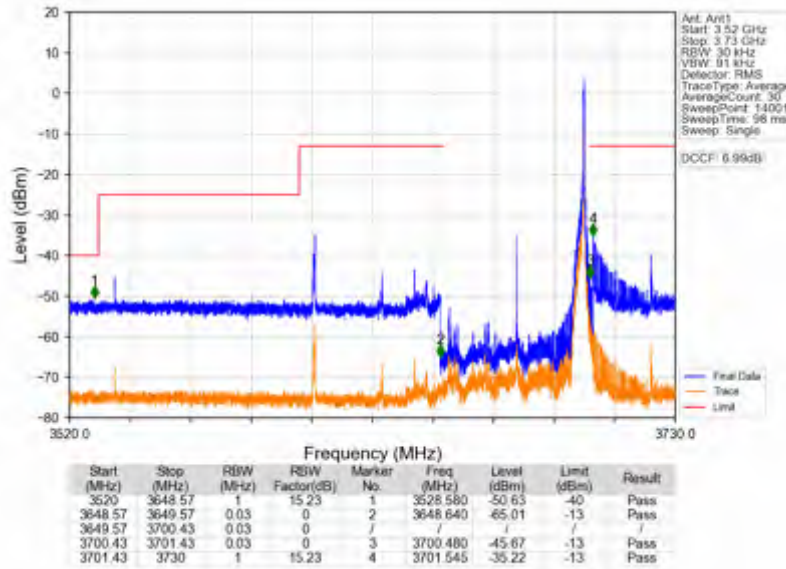


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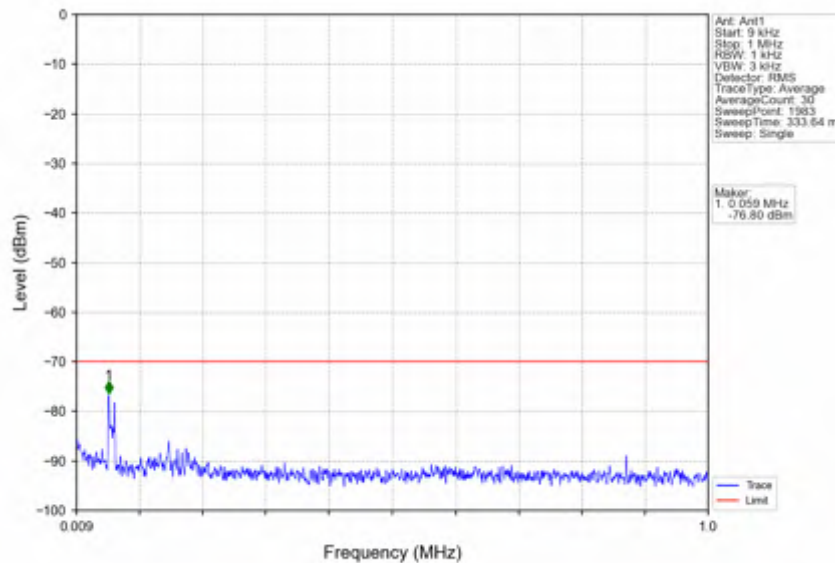
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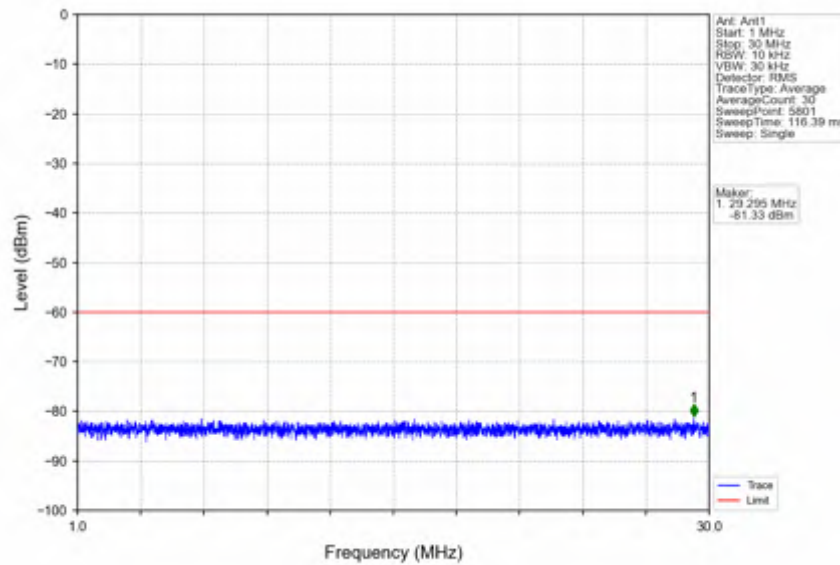


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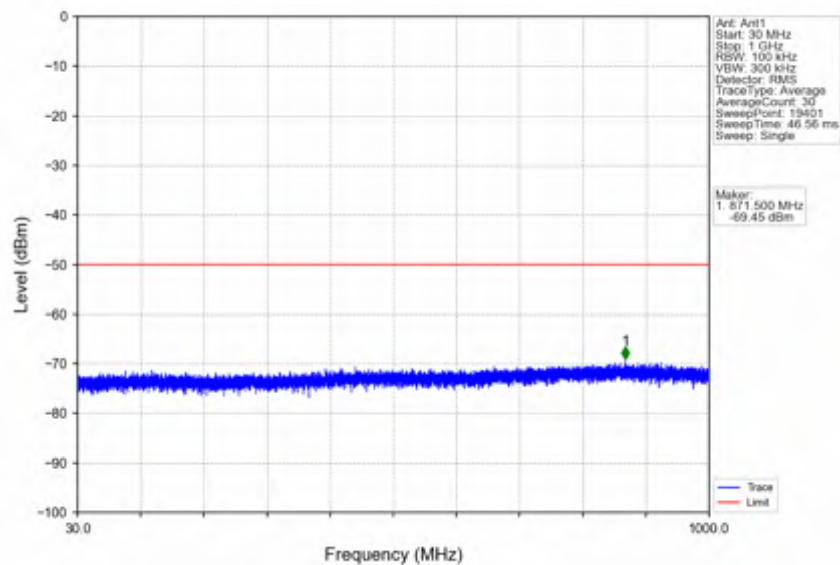
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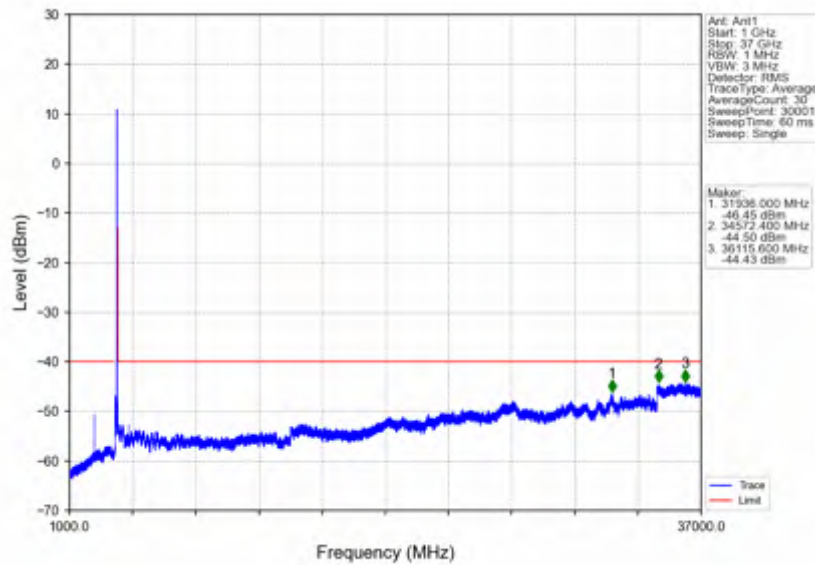
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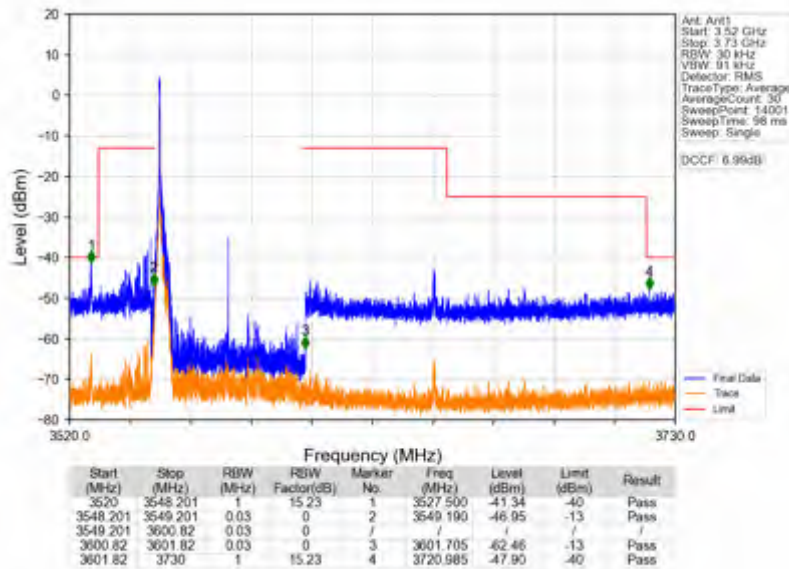
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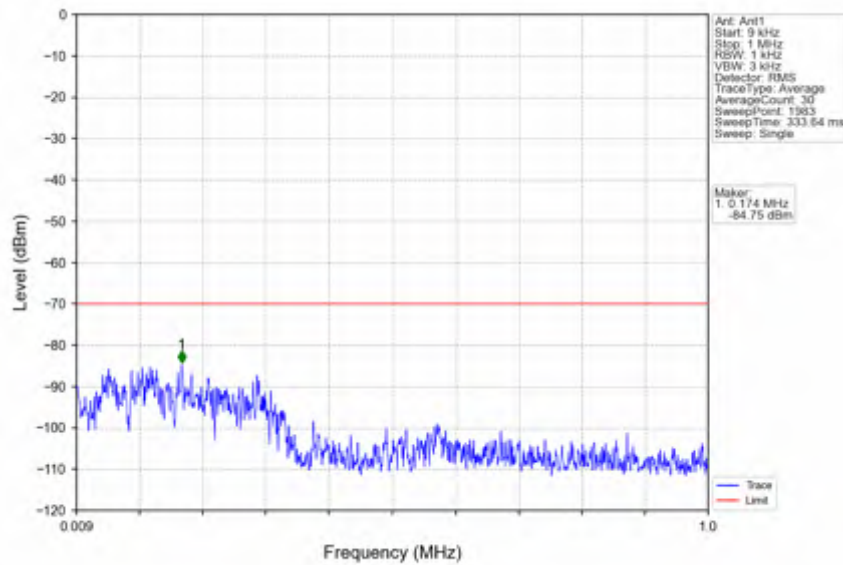


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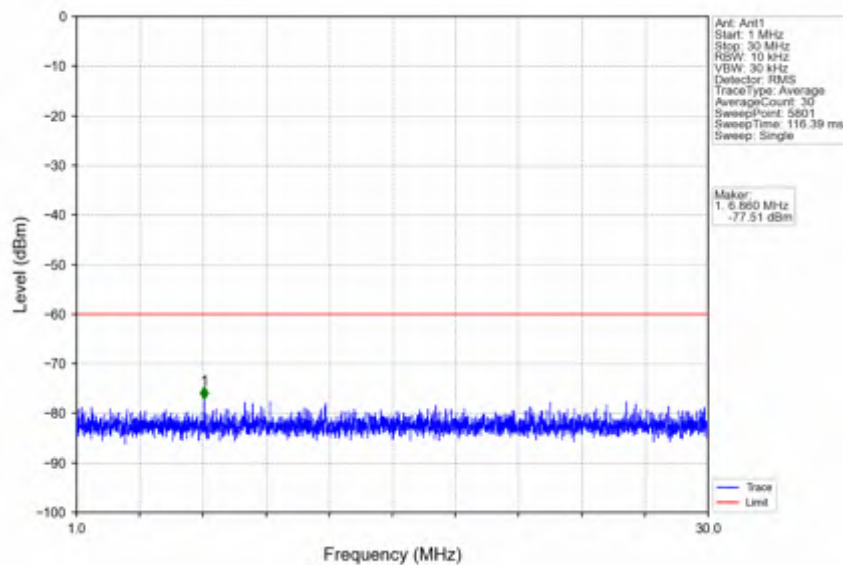
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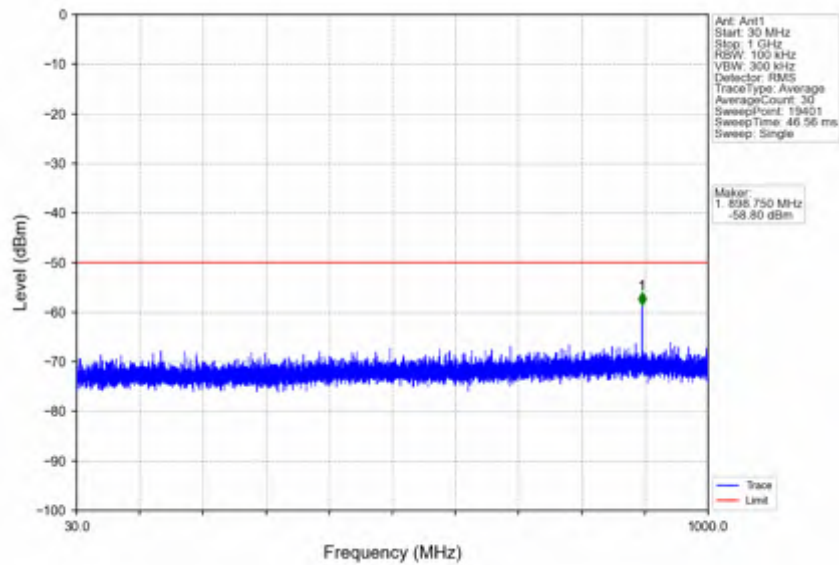
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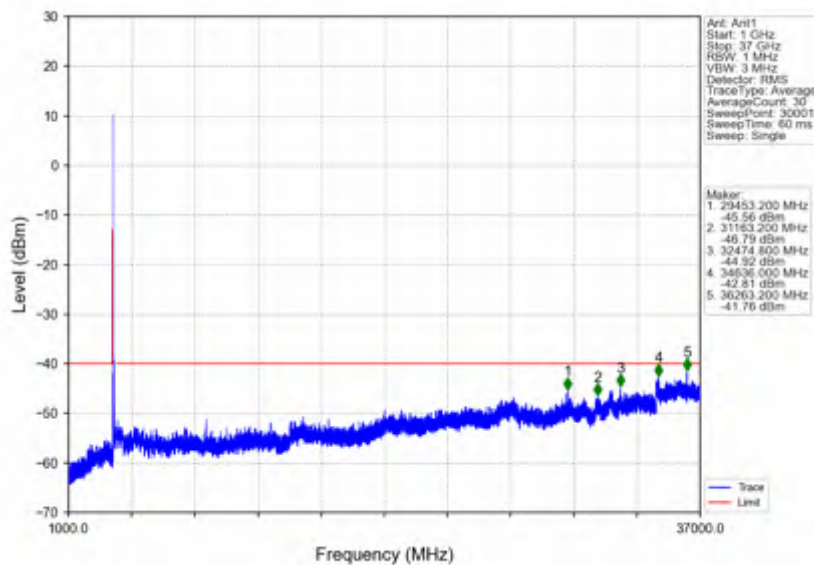
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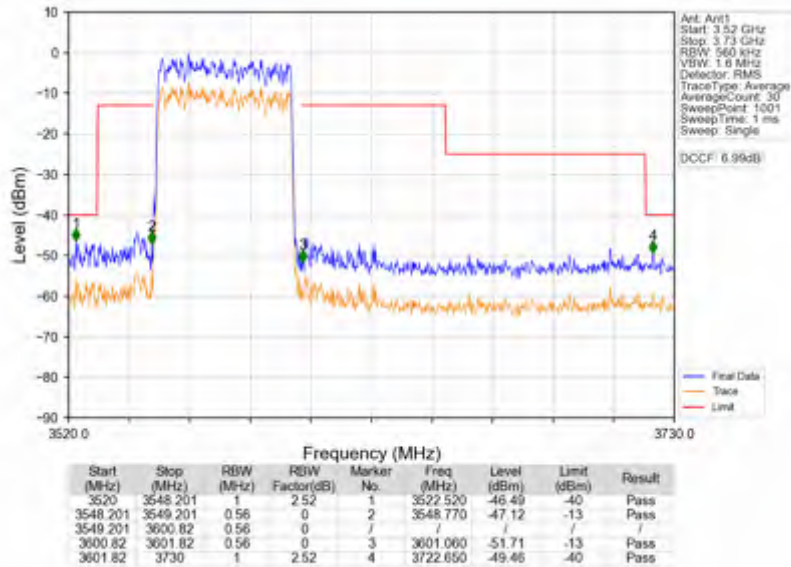


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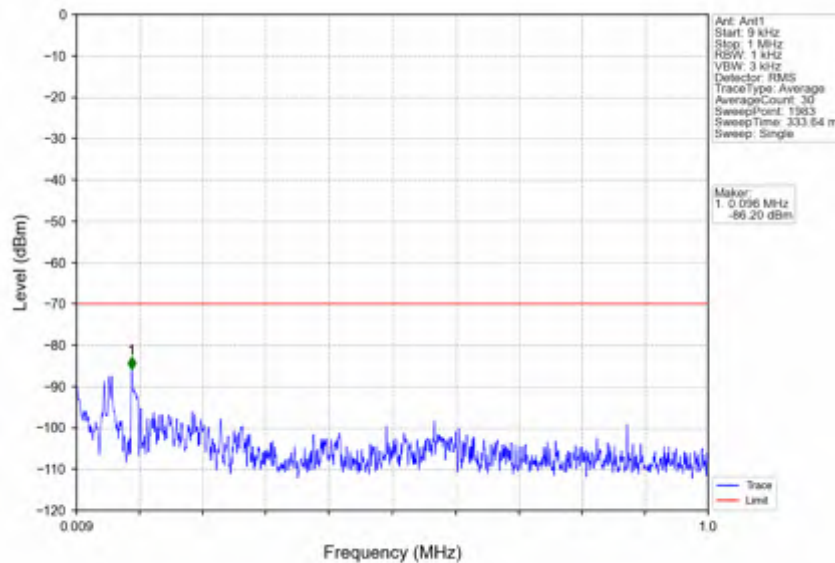
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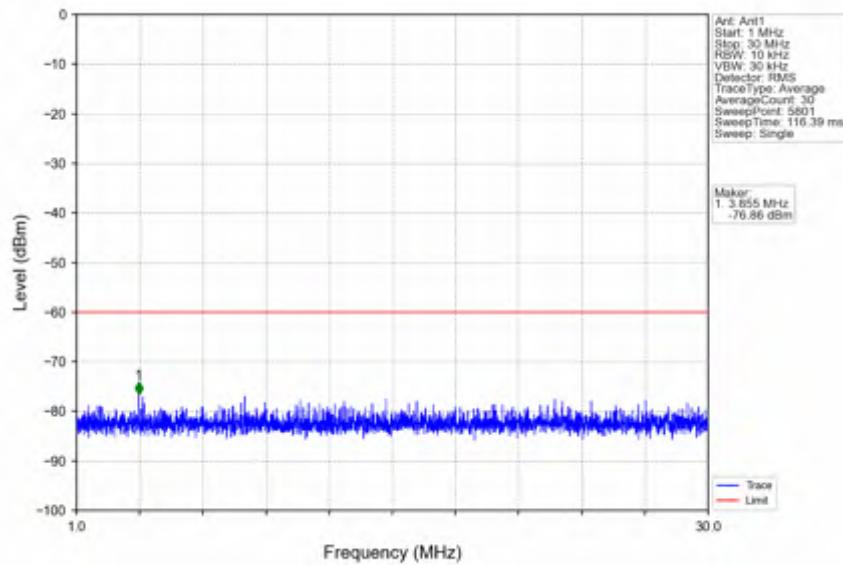


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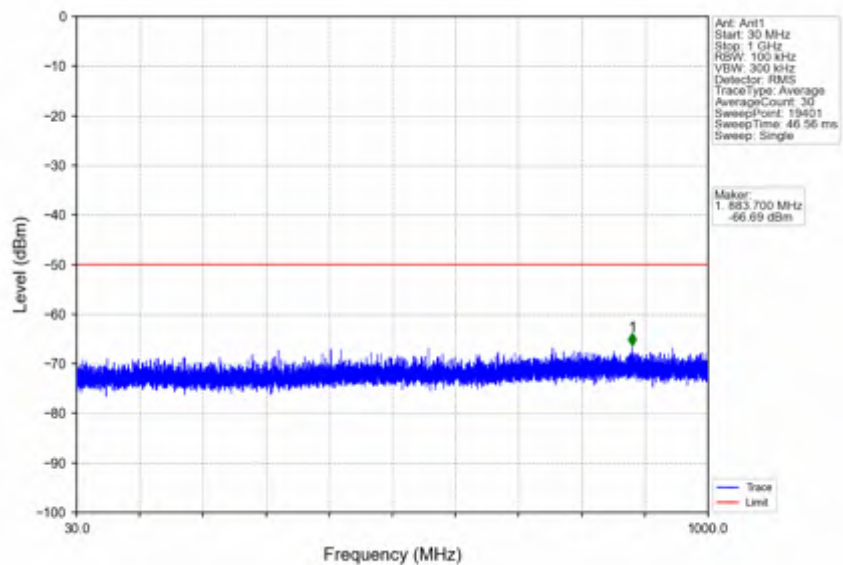
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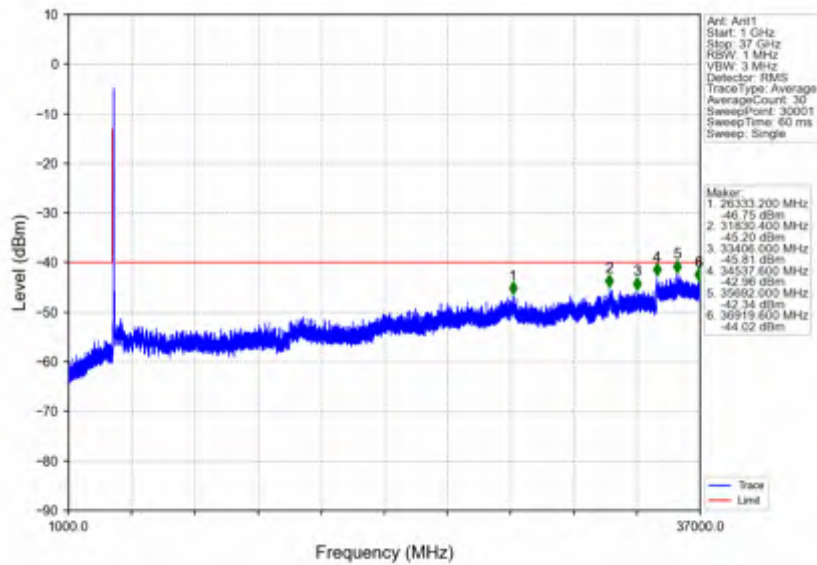
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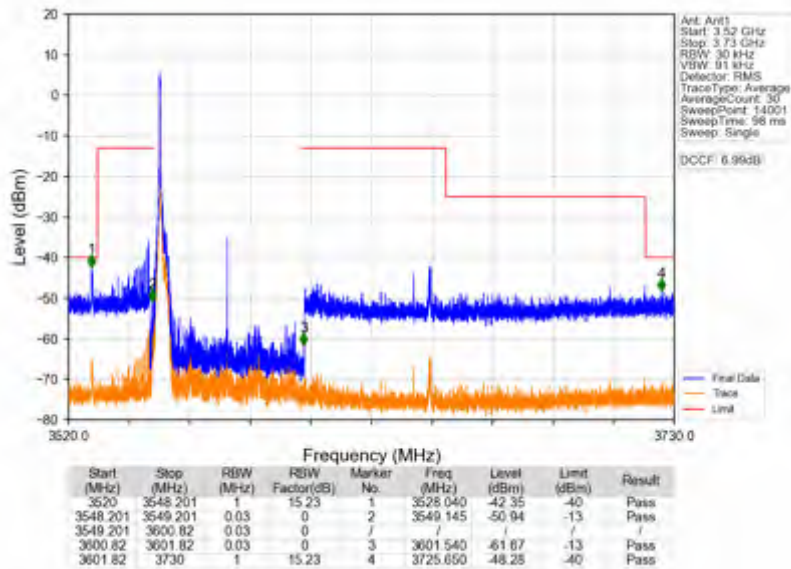
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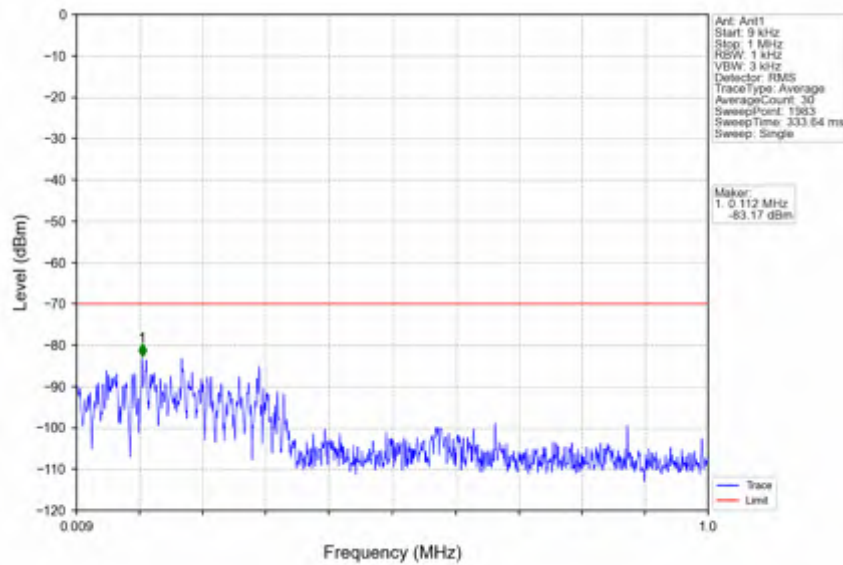
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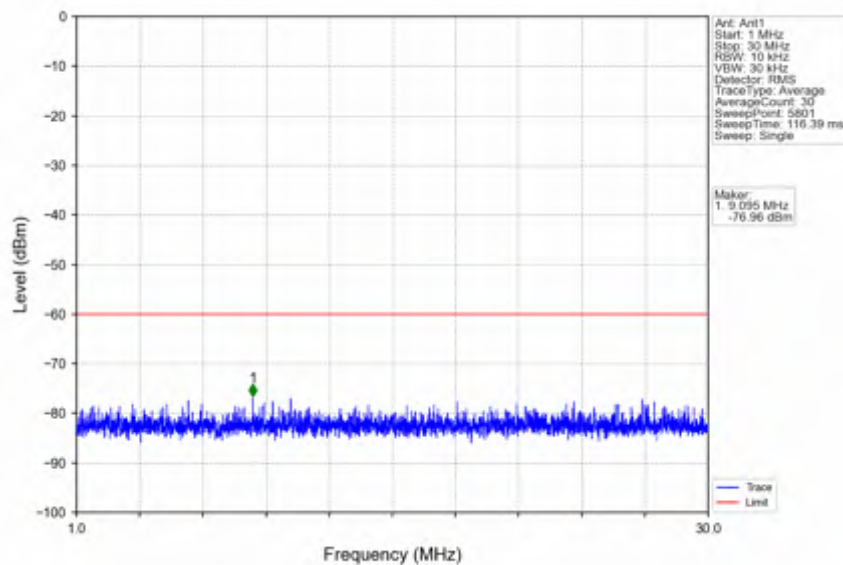
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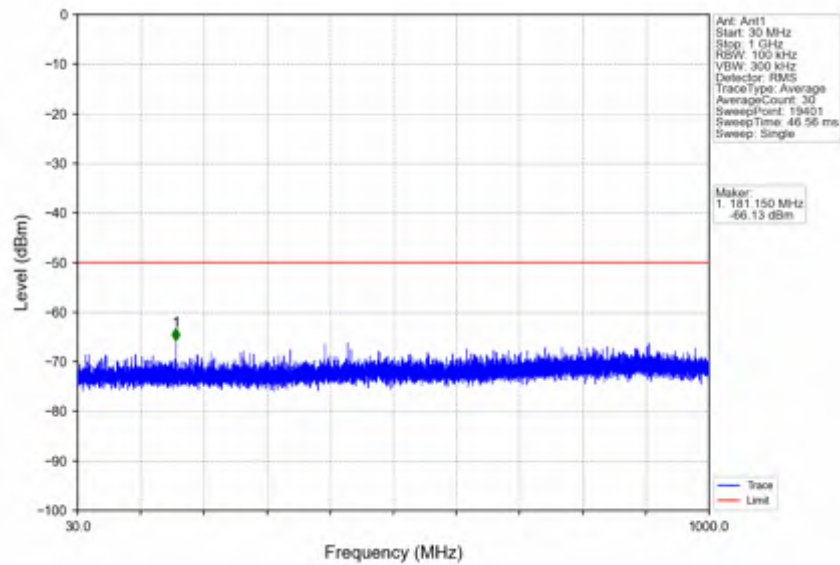


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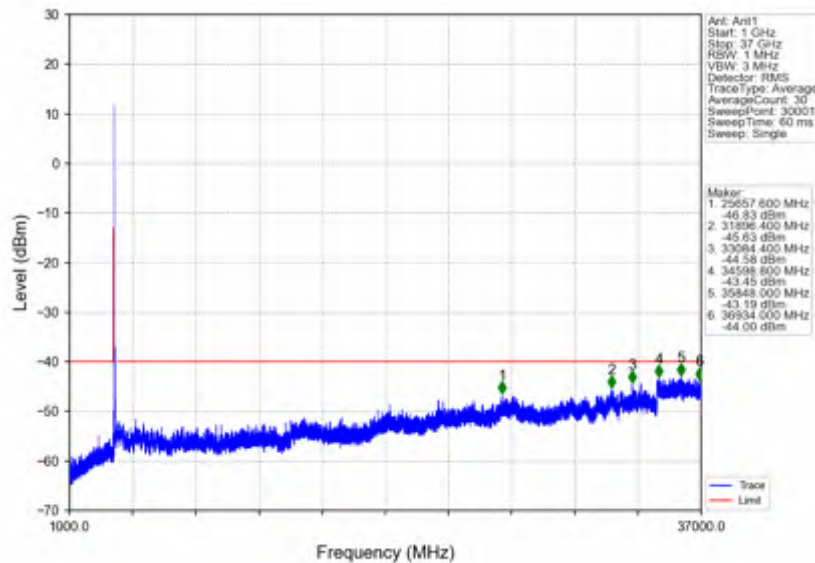
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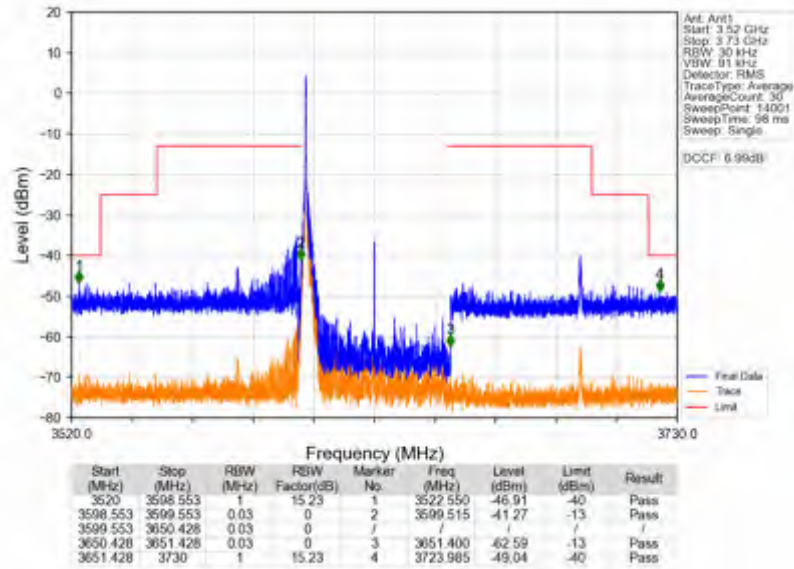


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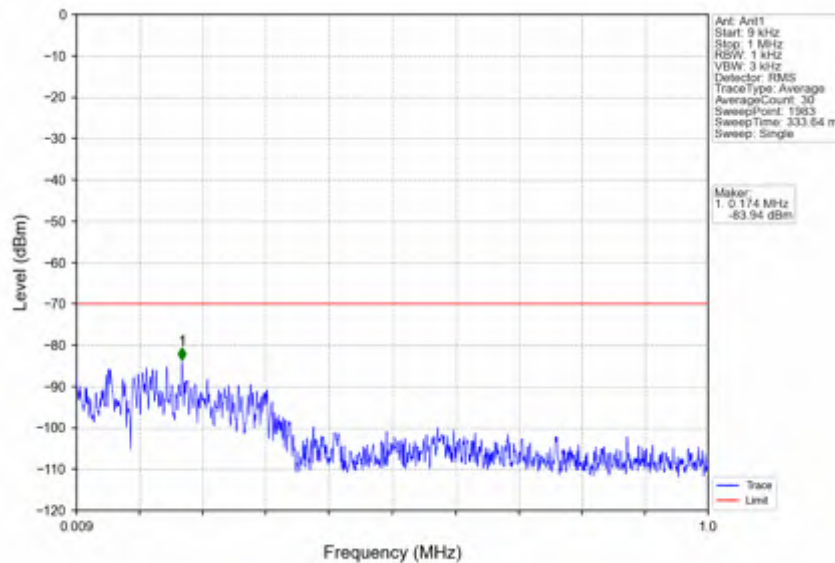
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n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3624.99MHz_Edge_1RB_Left



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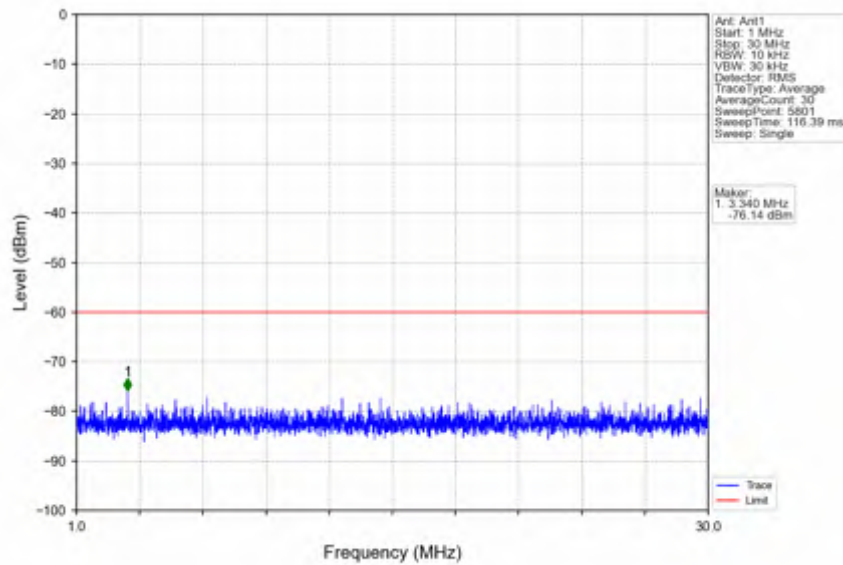


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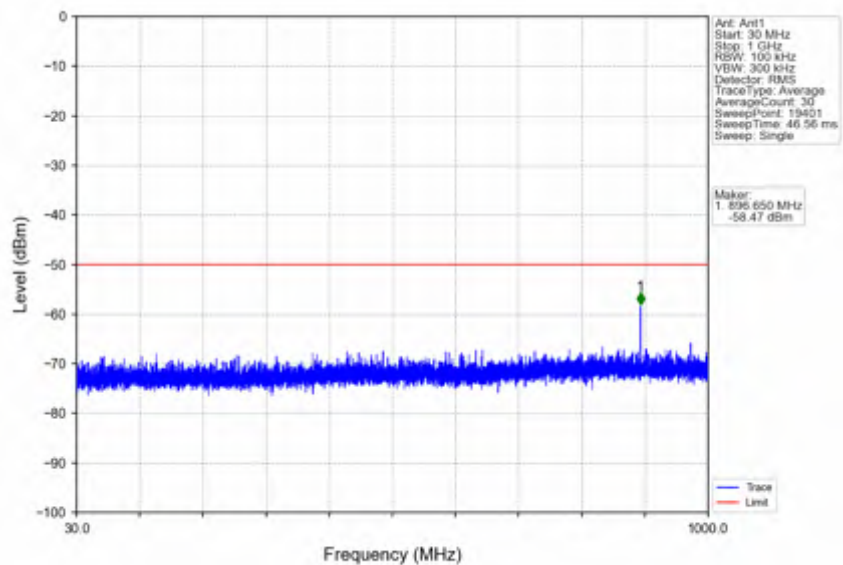
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n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM QPSK_3624.99MHz_Edge_1RB_Left



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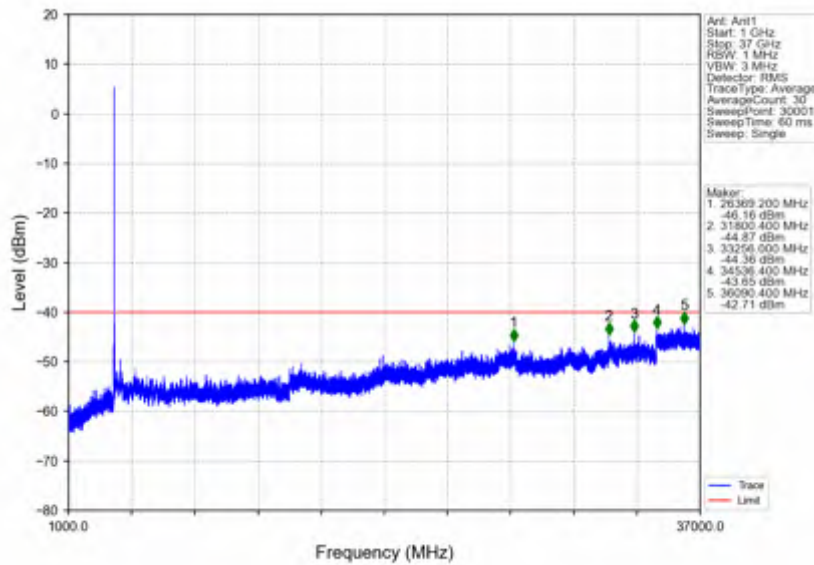
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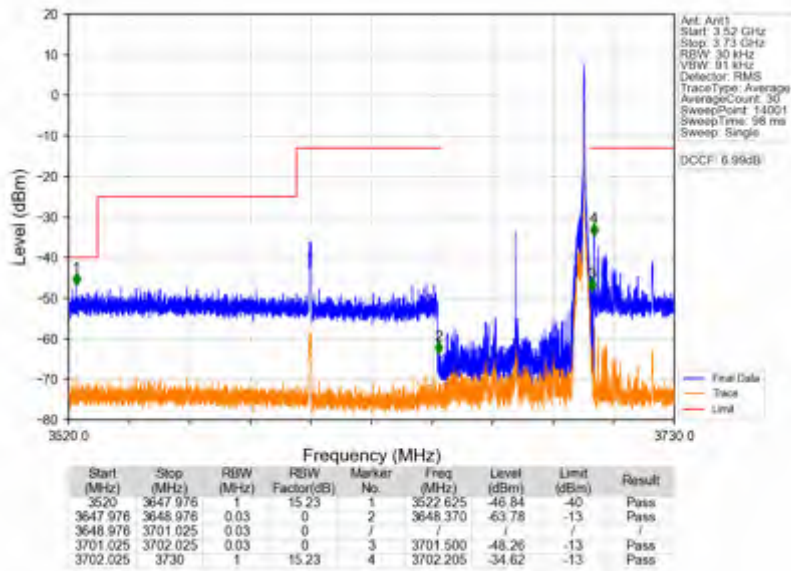
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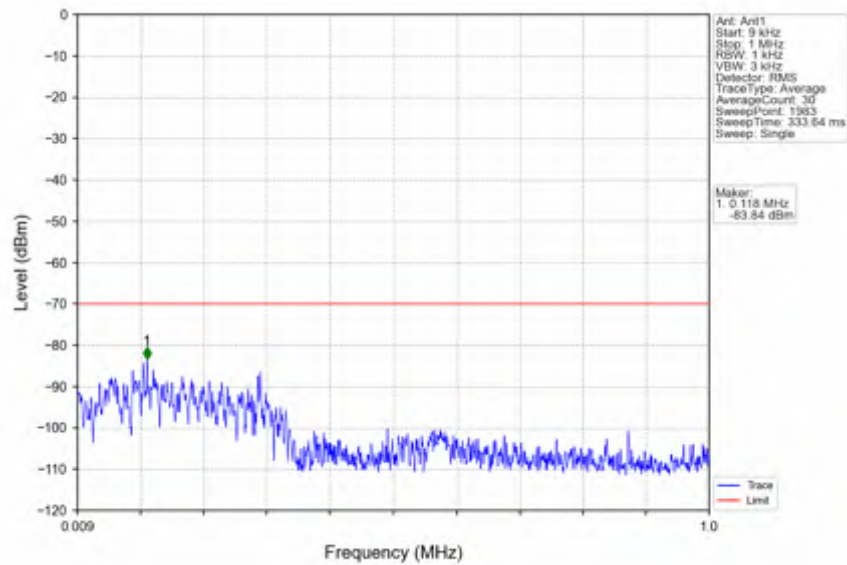
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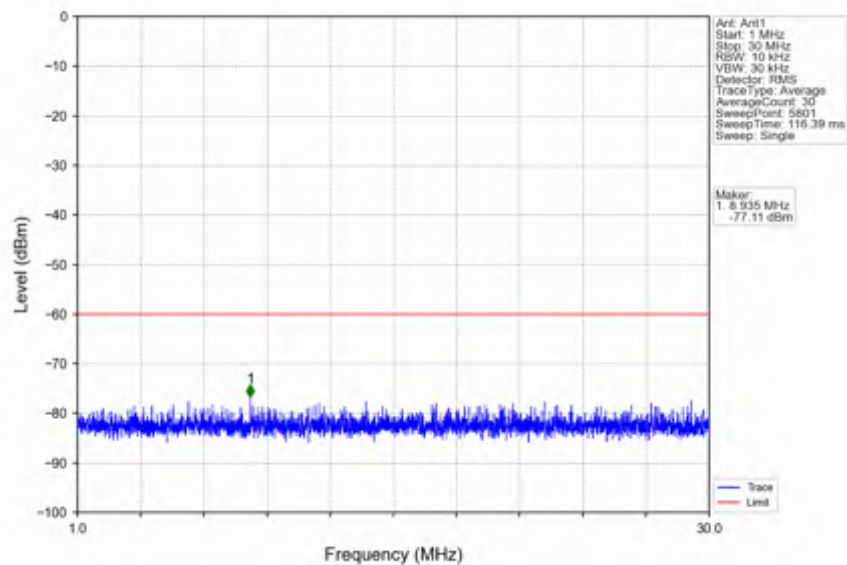
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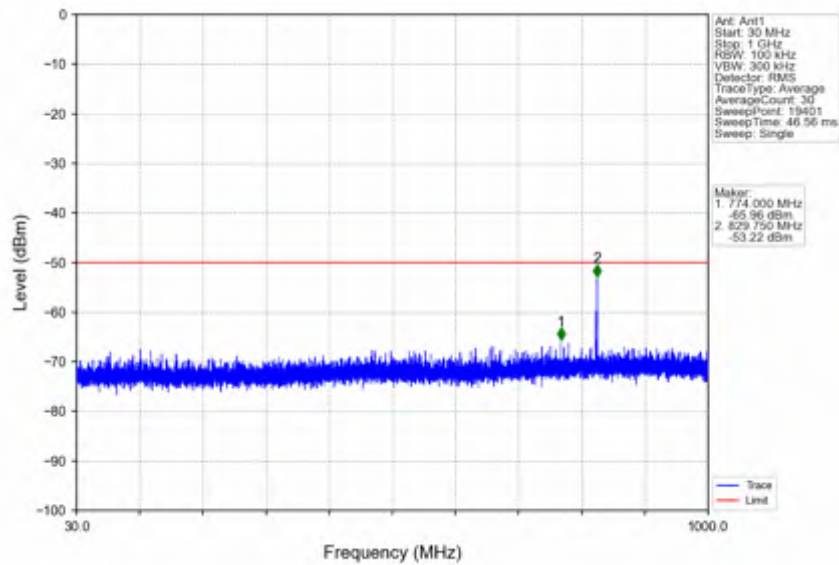
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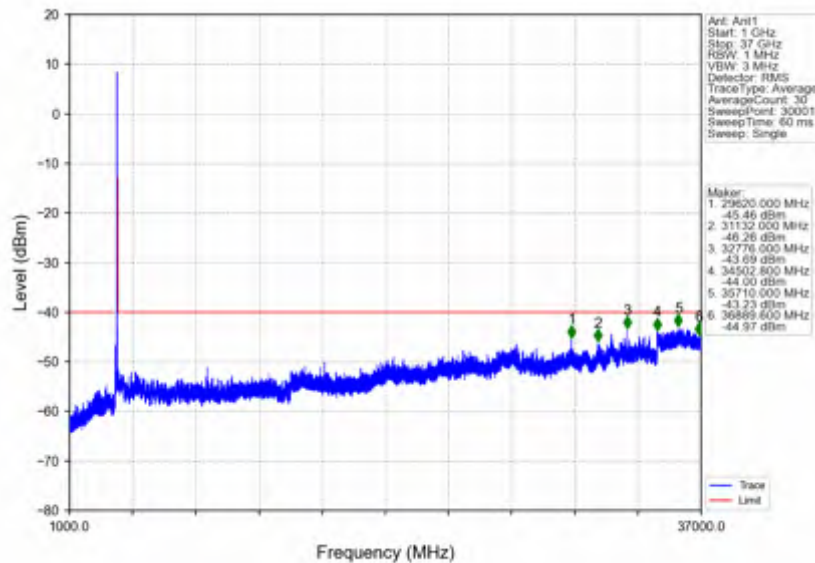
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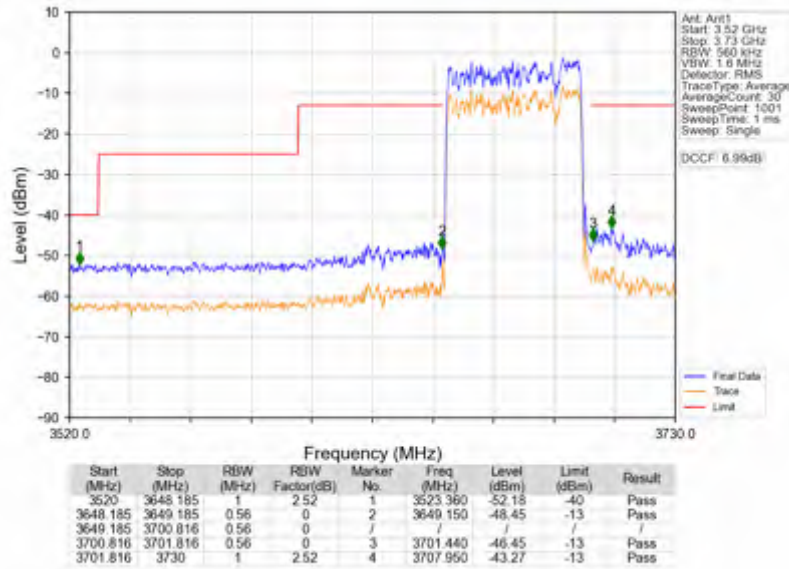
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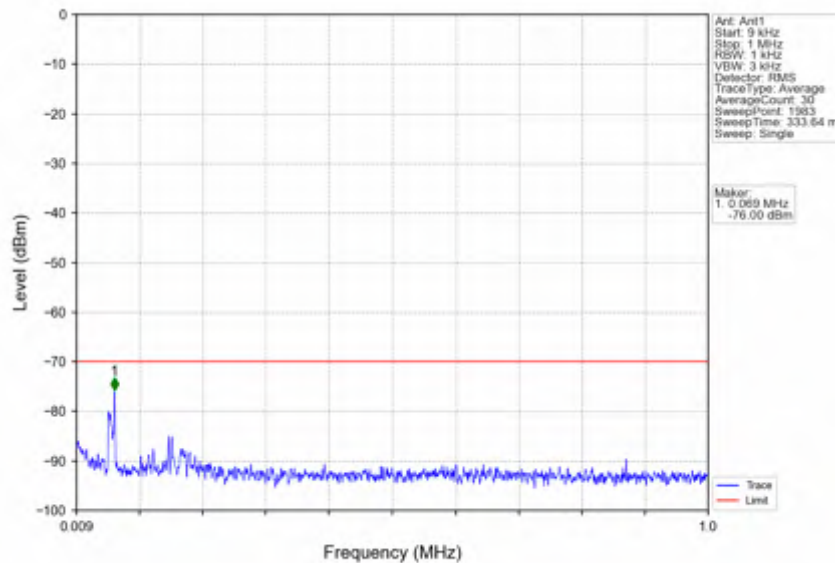
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n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3675MHz_Outer_Full



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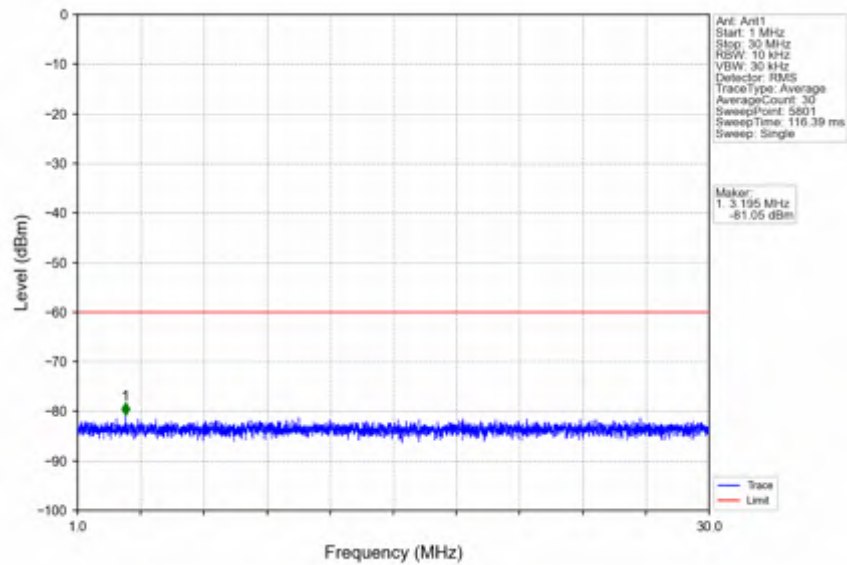


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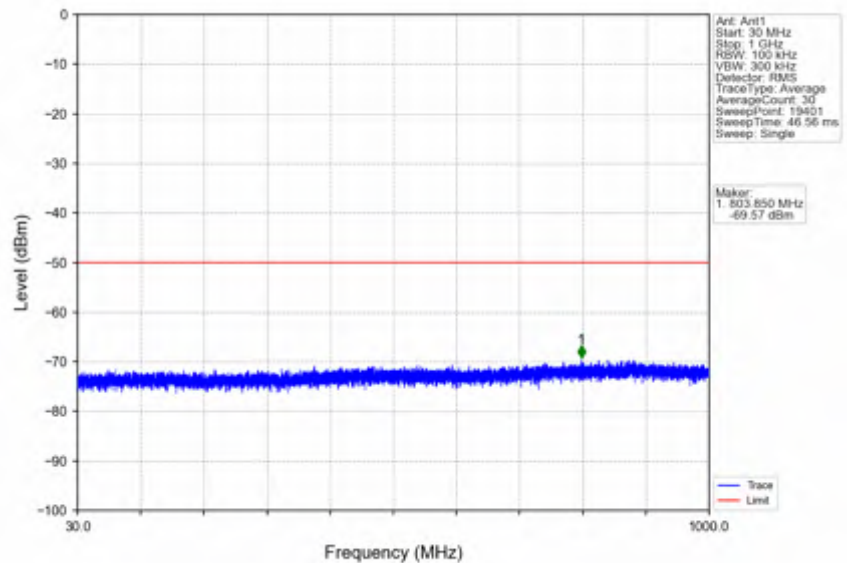
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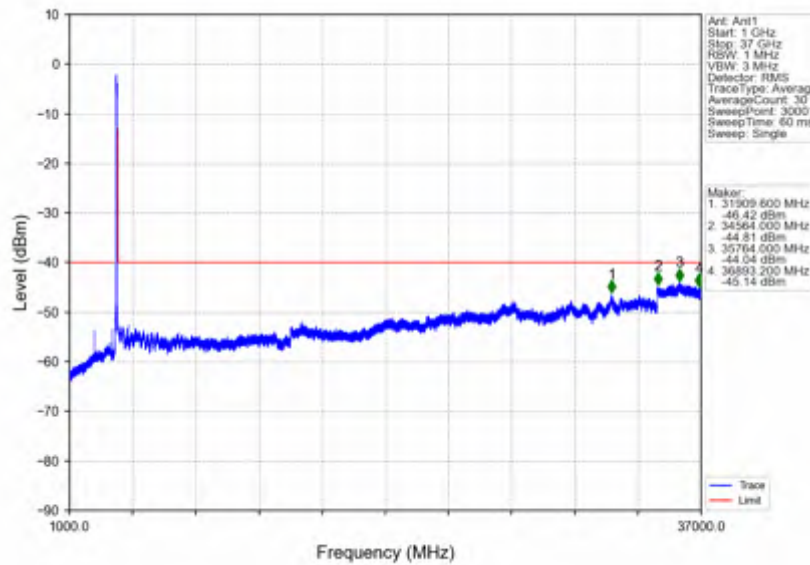
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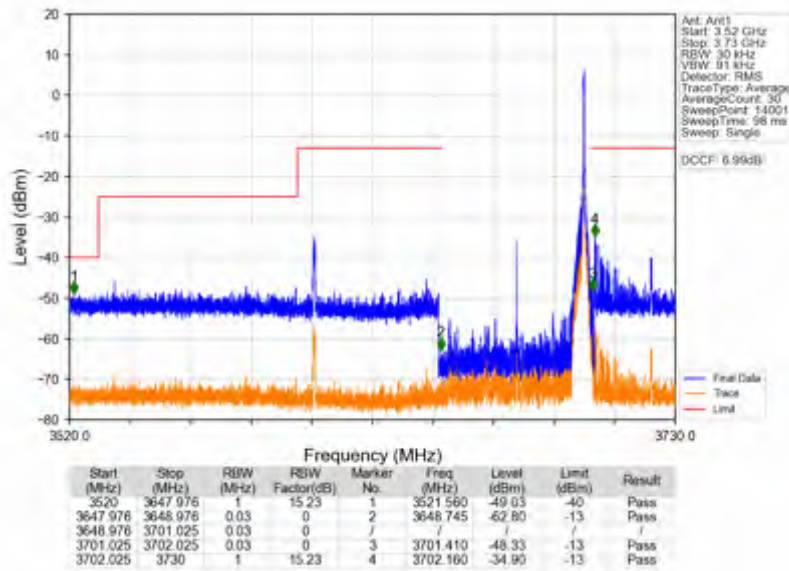
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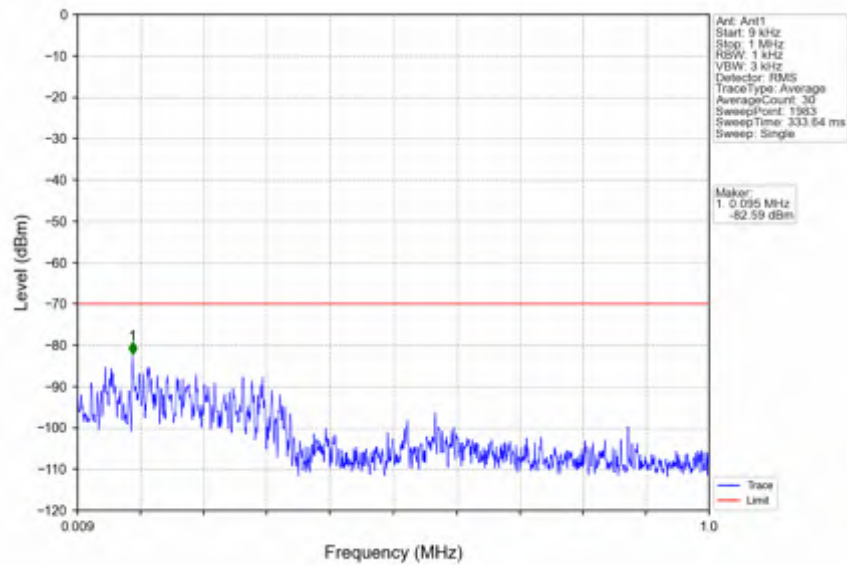


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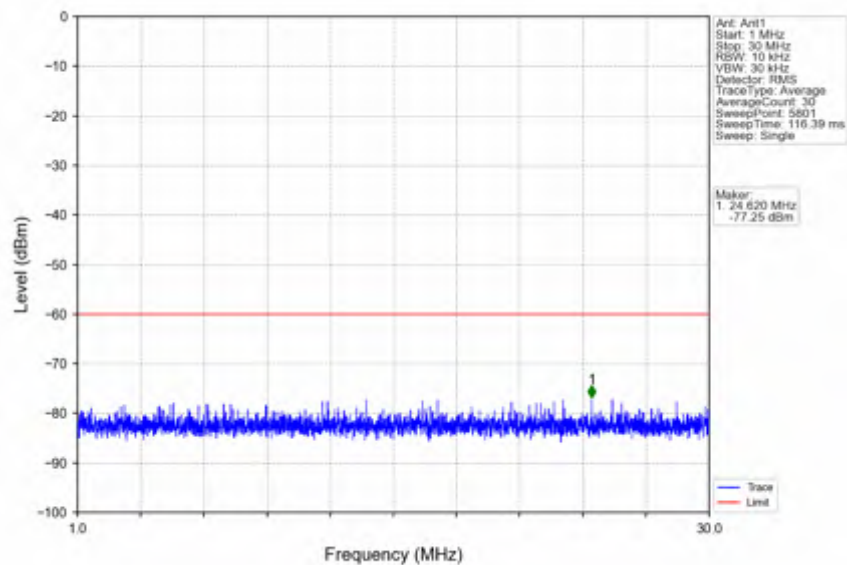
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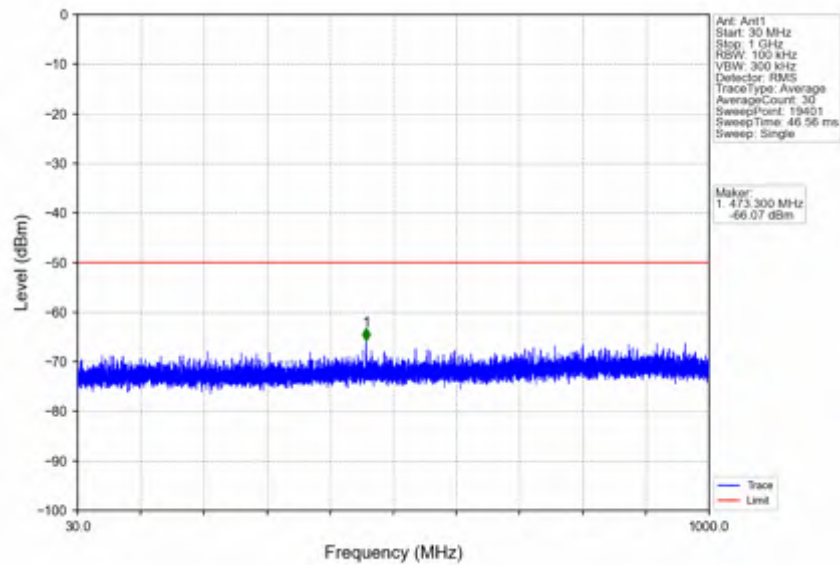
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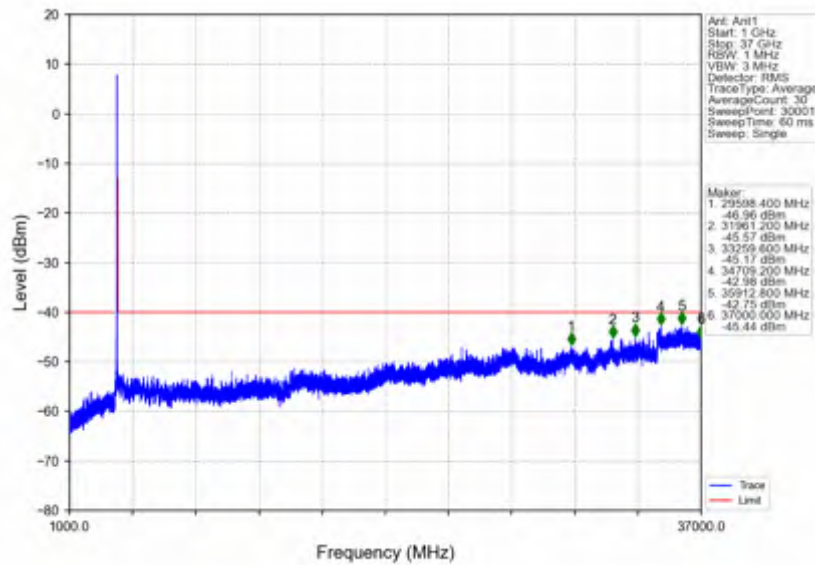
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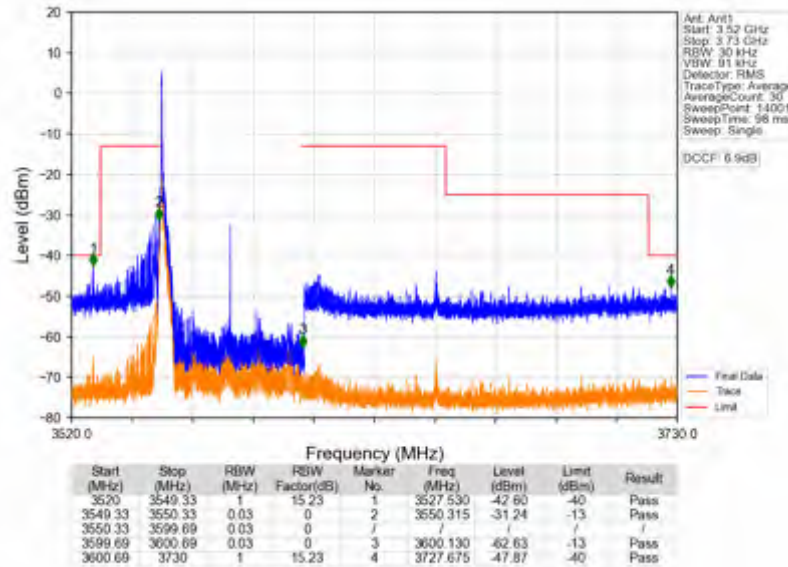
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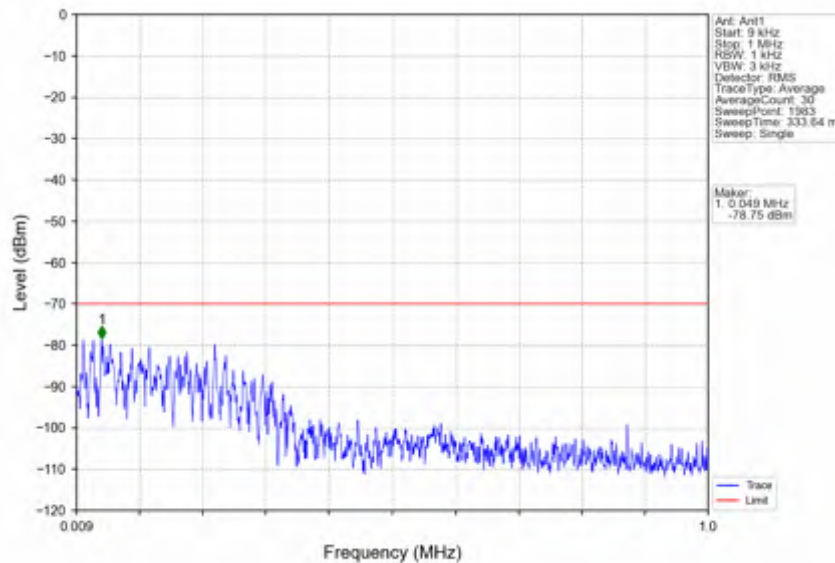
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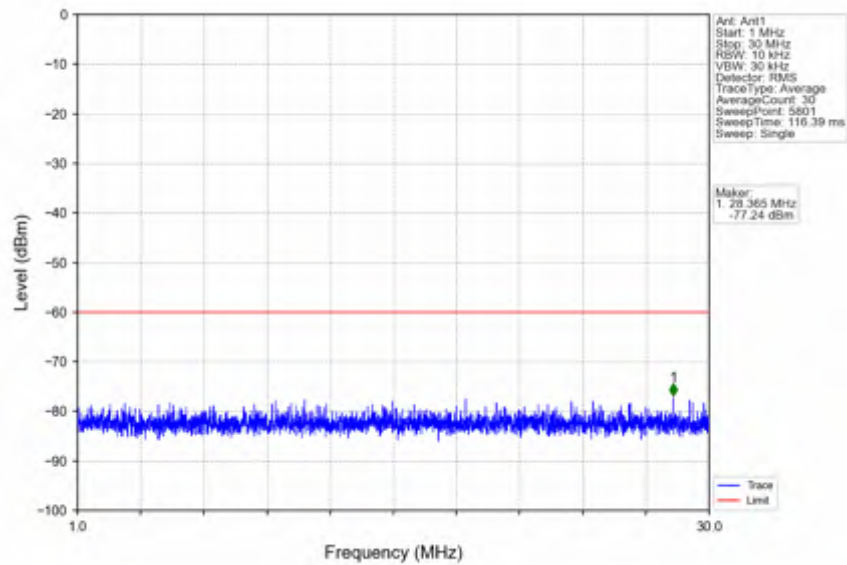


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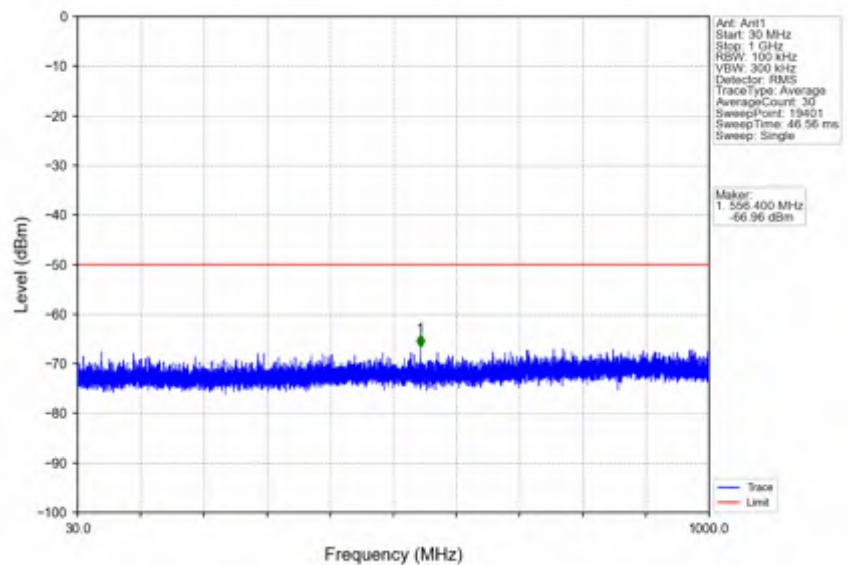
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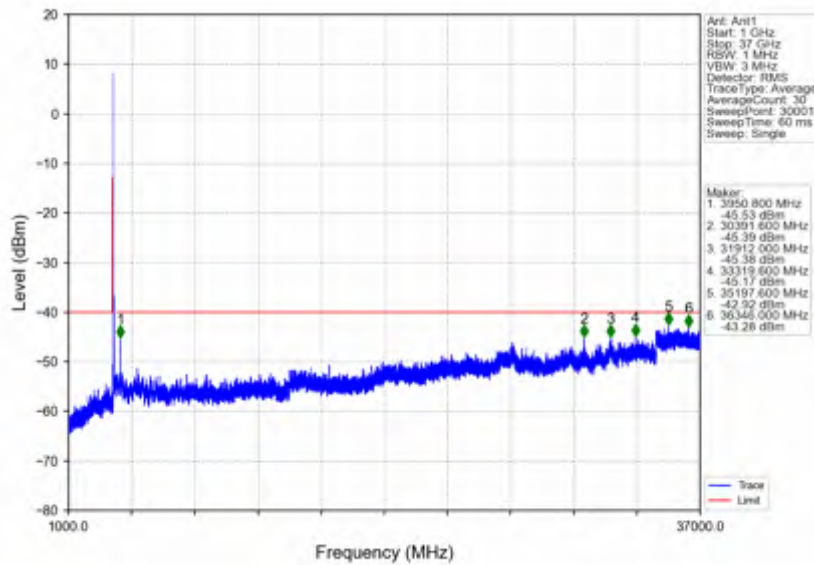
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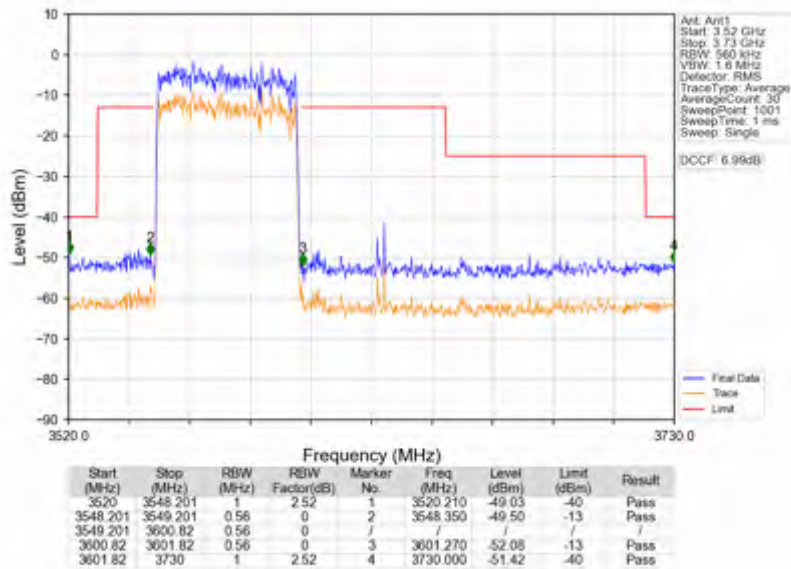
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n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_3575.01MHz_Edge_1RB_Left



n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_3575.01MHz_Outer_Full



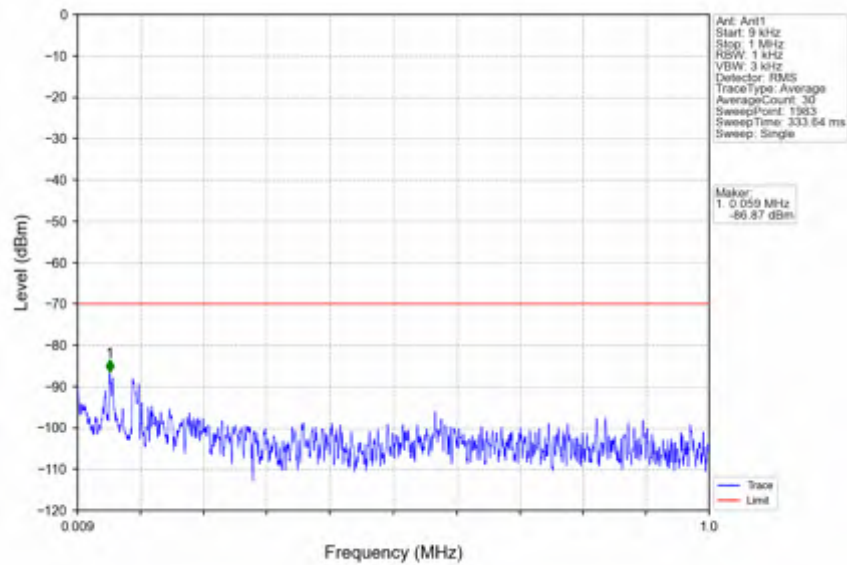
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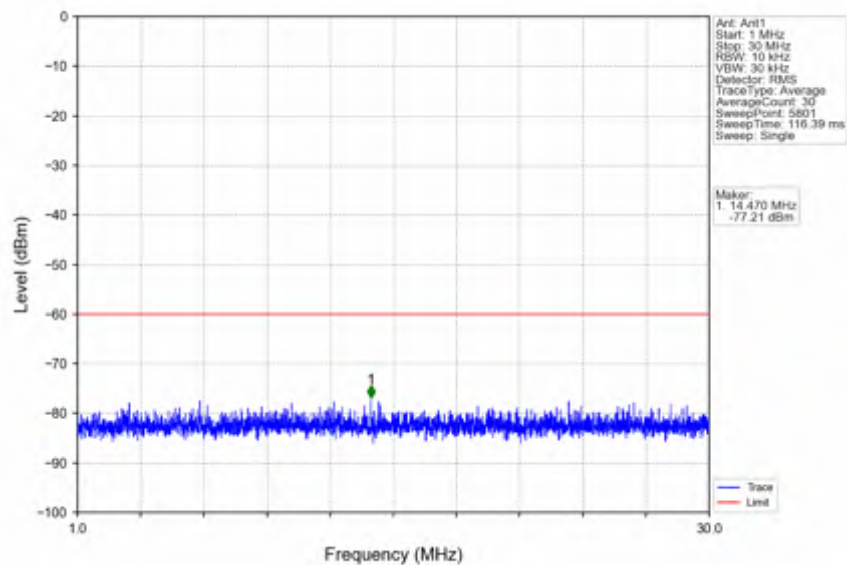
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n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_3575.01MHz_Outer_Full



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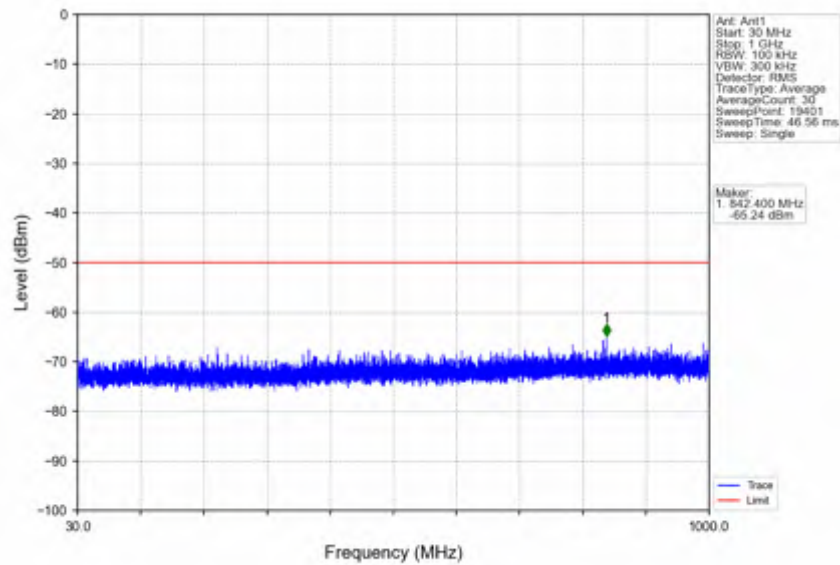
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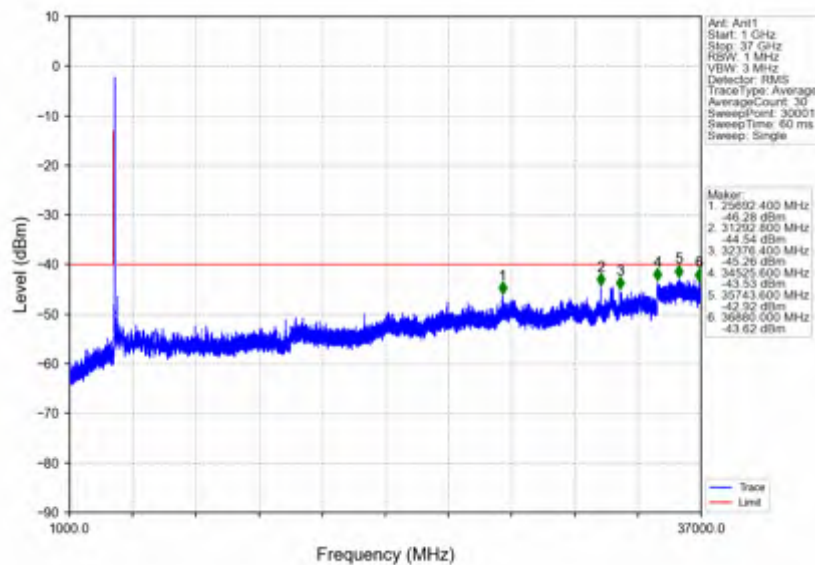
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n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_3575.01MHz_Outer_Full



n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_3575.01MHz_Outer_Full



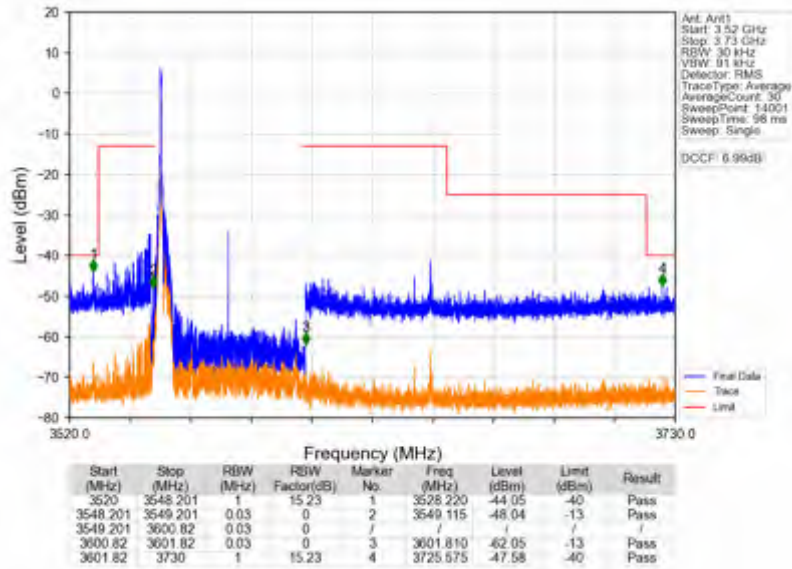
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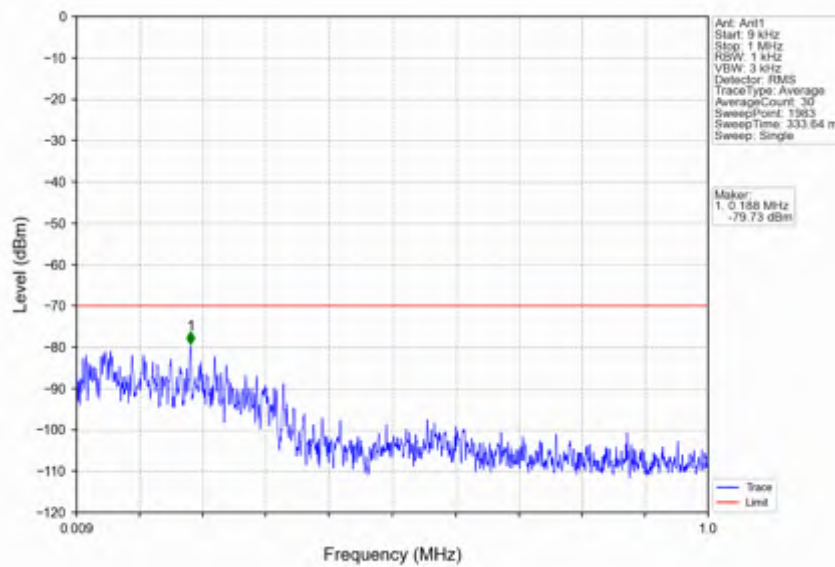
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n78d_30kHz_SISO_NTV_50MHz_CP-OFDM_QPSK_3575.01MHz_Inner_1RB_Left



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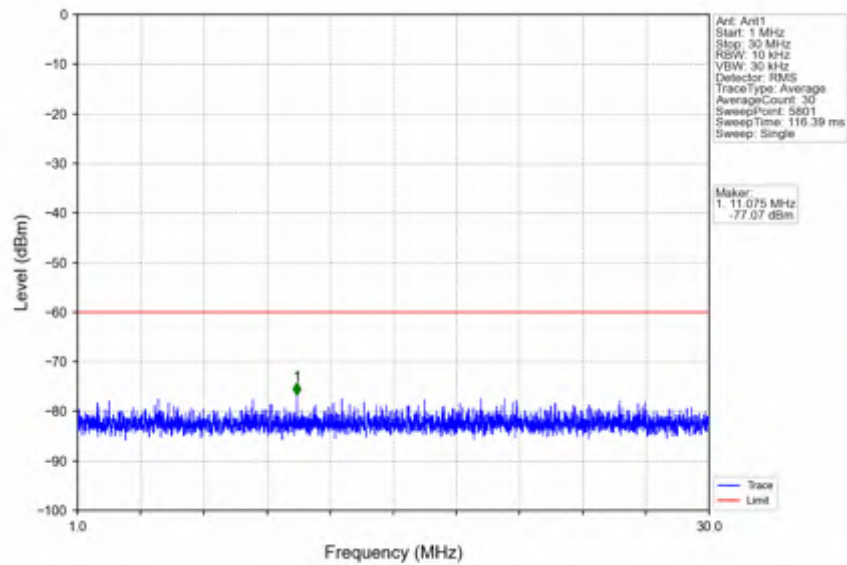


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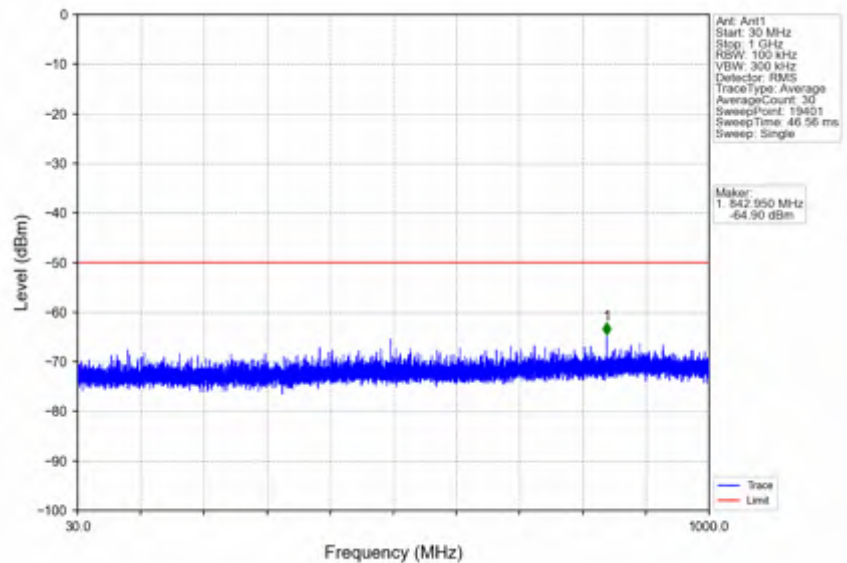
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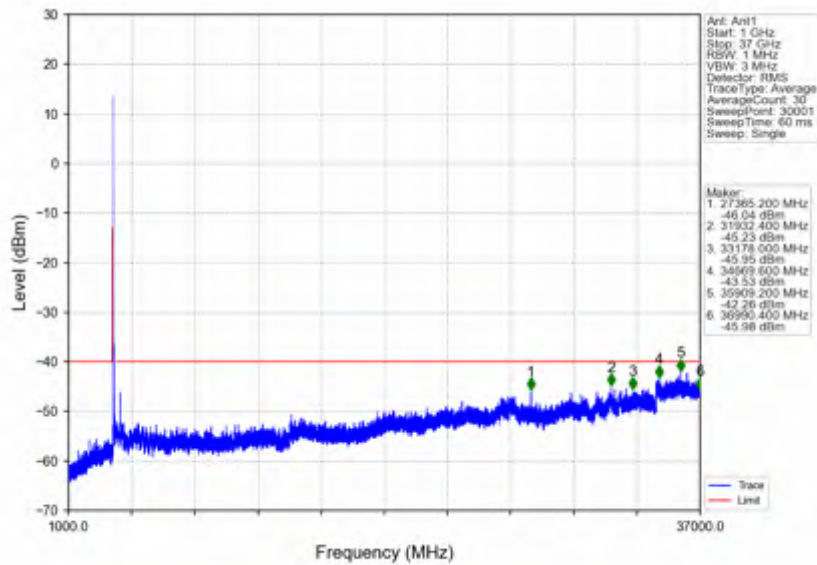
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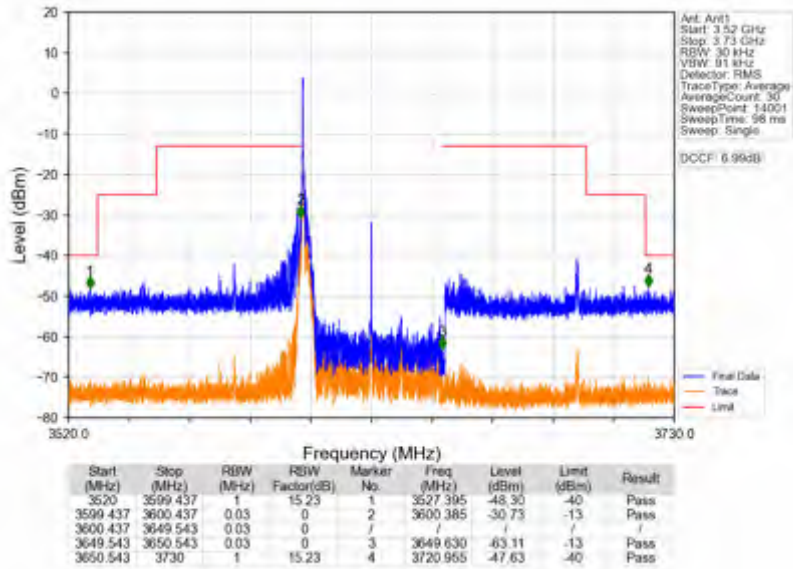
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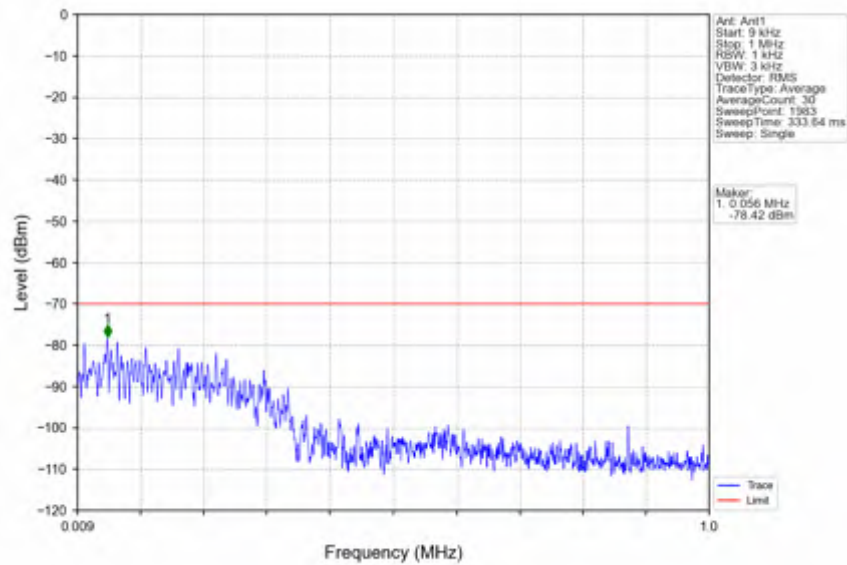
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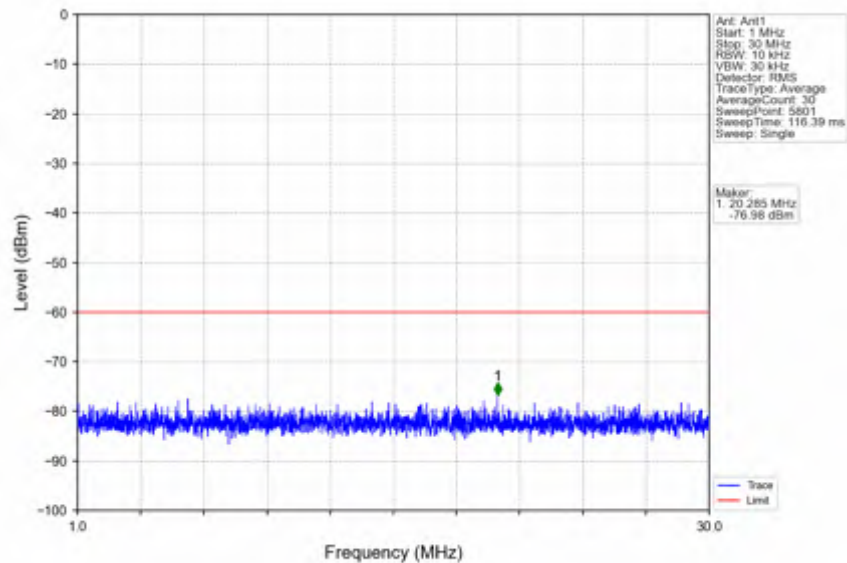
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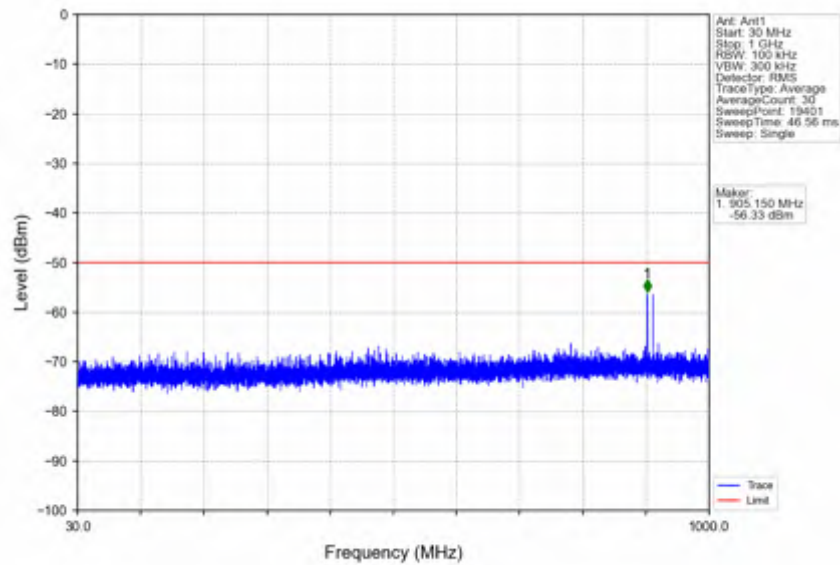
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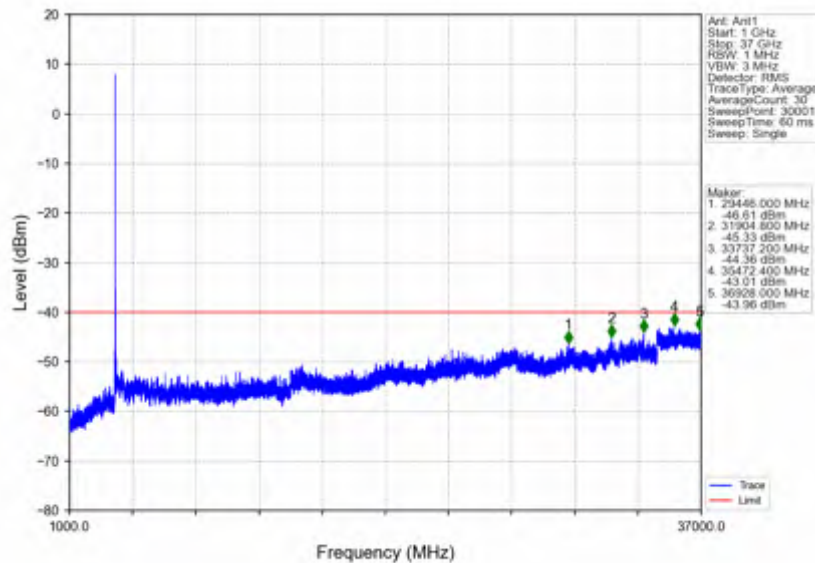
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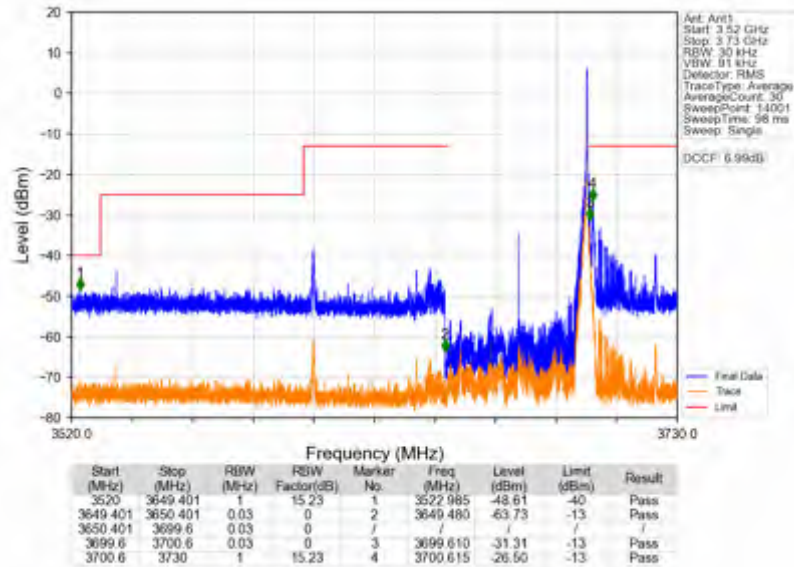
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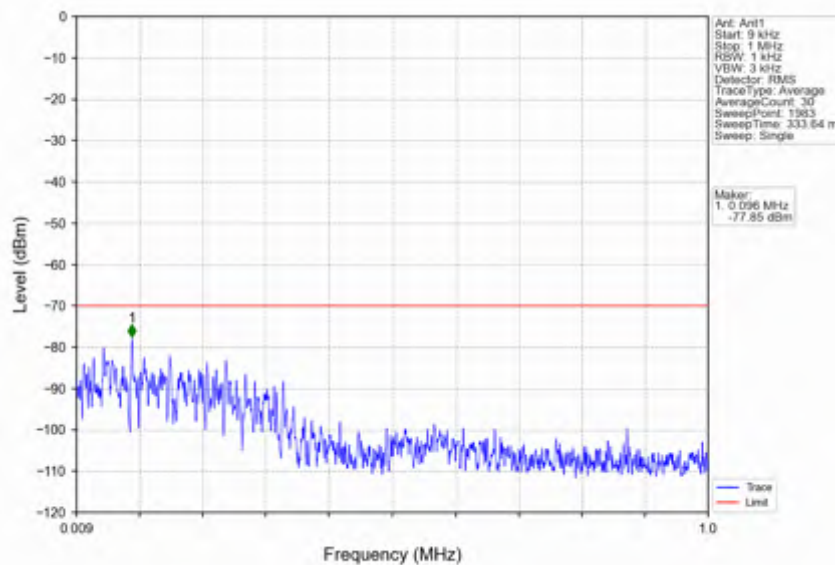
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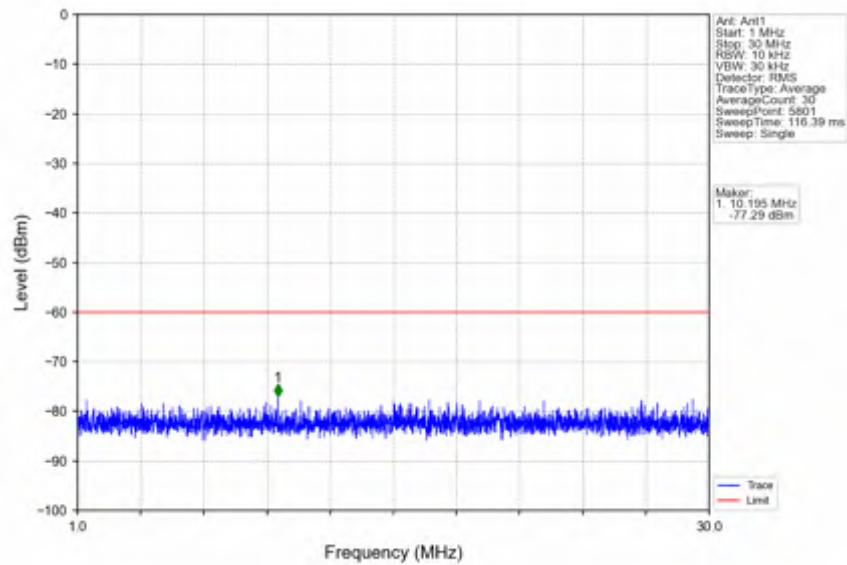


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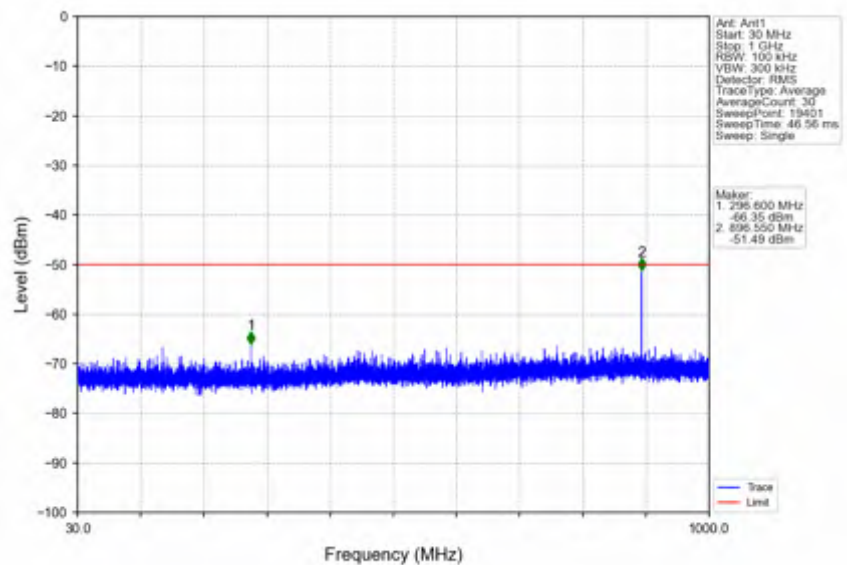
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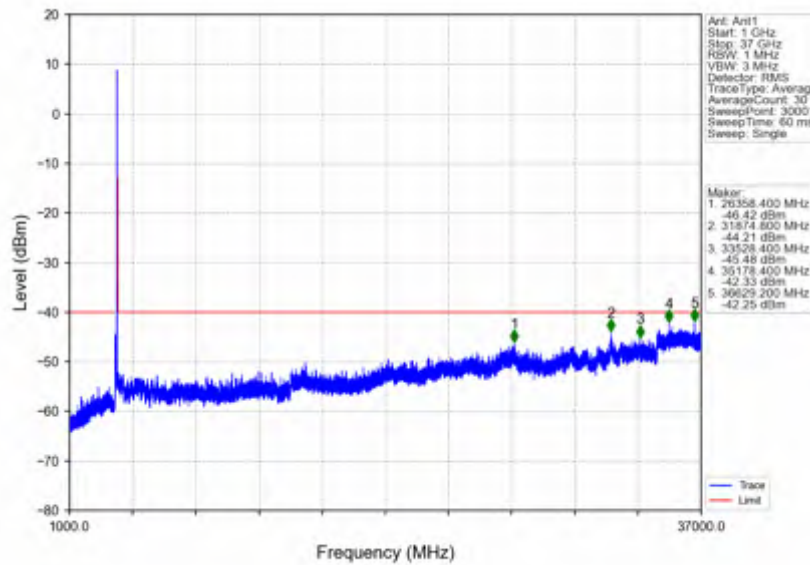
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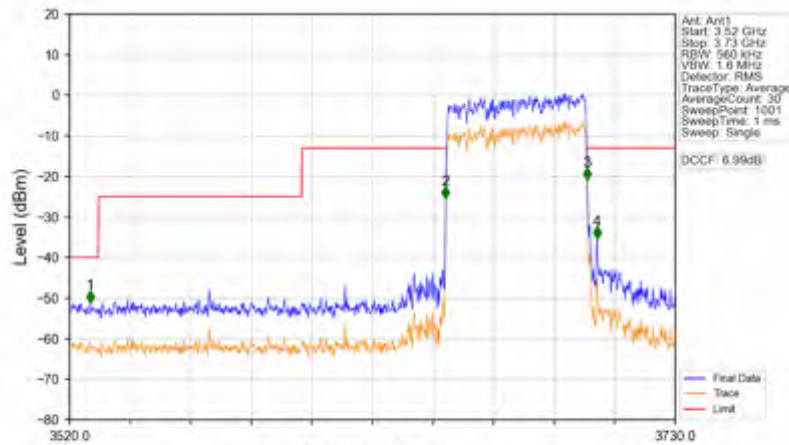
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n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_3675MHz_Outer_Full



| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|----------------|------------|------------|-------------|-------------|--------|
| 3520 | 3649.478 | 1 | 2.52 | 1 | 3527.140 | -51.16 | -40 | Pass |
| 3649.478 | 3650.478 | 0.56 | 0 | 2 | 3650.410 | -25.53 | -13 | Pass |
| 3650.478 | 3699.523 | 0.56 | 0 | 3 | 3699.550 | -20.89 | -13 | Pass |
| 3699.523 | 3700.523 | 0.56 | 0 | 4 | 3702.910 | -35.40 | -13 | Pass |

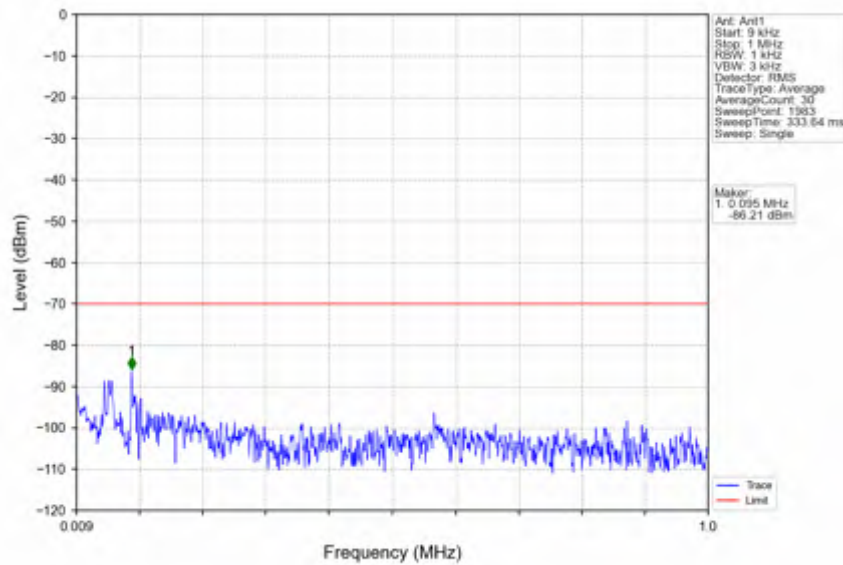


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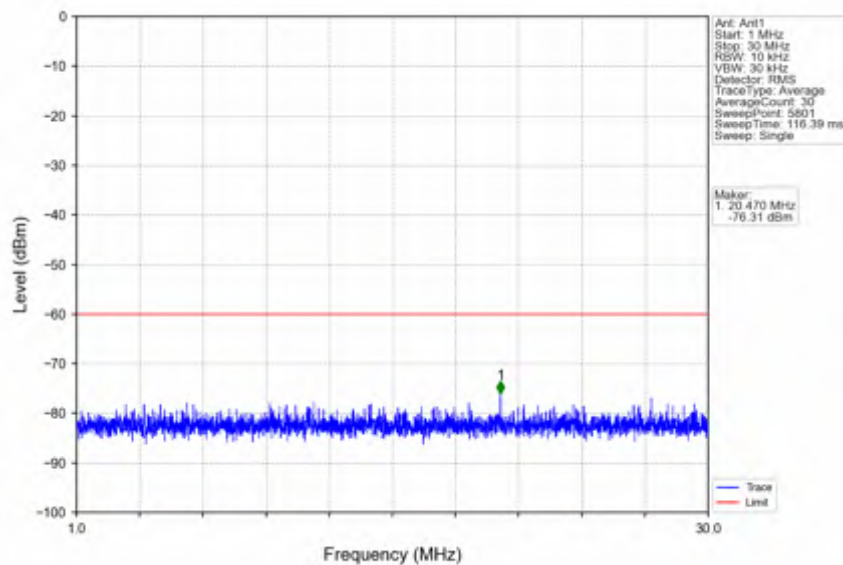
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n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_3675MHz_Outer_Full



n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_3675MHz_Outer_Full



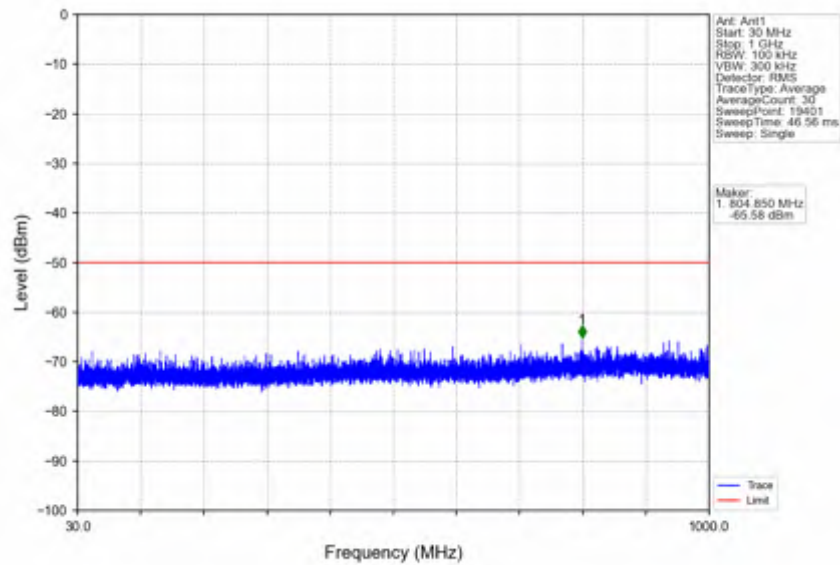
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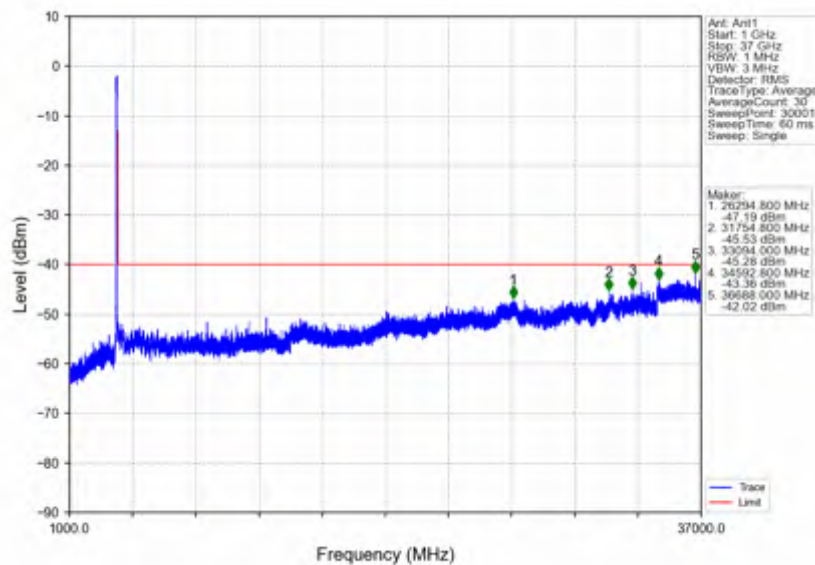
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n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_3675MHz_Outer_Full



n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_3675MHz_Outer_Full



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