

|                 |                 |                 |                 |       |       |       |      |      |
|-----------------|-----------------|-----------------|-----------------|-------|-------|-------|------|------|
|                 |                 | Outer_Full      | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|                 |                 | Inner_Full      | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|                 |                 | Inner_1RB_Left  | 1.000           | 5.000 | 20.00 | 6.99  | 0.00 |      |
|                 |                 | Inner_1RB_Right | 1.000           | 5.000 | 20.00 | 6.99  | 0.03 |      |
|                 | 3690            | Edge_1RB_Left   | 1.000           | 5.000 | 20.00 | 6.99  | 0.00 |      |
|                 |                 | Edge_1RB_Right  | 1.000           | 5.000 | 20.00 | 6.99  | 0.00 |      |
|                 |                 | Outer_Full      | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|                 |                 | Inner_Full      | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|                 |                 | 3690            | Inner_1RB_Left  | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
|                 |                 |                 | Inner_1RB_Right | 1.000 | 5.000 | 20.00 | 6.99 | 0.01 |
|                 |                 |                 | Edge_1RB_Left   | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|                 |                 |                 | Edge_1RB_Right  | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
| CP-OFDM 16 QAM  |                 | 3560.01         | Outer_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|                 |                 |                 | Inner_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|                 |                 |                 | Inner_1RB_Left  | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|                 |                 |                 | Inner_1RB_Right | 1.002 | 5.000 | 20.04 | 6.98 | 0.01 |
|                 |                 |                 | Edge_1RB_Left   | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|                 |                 |                 | Edge_1RB_Right  | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|                 |                 | 3625.005        | Outer_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|                 |                 |                 | Inner_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|                 | Inner_1RB_Left  |                 | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|                 | Inner_1RB_Right |                 | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|                 | Edge_1RB_Left   |                 | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|                 | Edge_1RB_Right  |                 | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|                 | 3690            | Outer_Full      | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|                 |                 | Inner_Full      | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|                 |                 | Inner_1RB_Left  | 1.000           | 4.998 | 20.01 | 6.99  | 0.03 |      |
|                 |                 | Inner_1RB_Right | 1.000           | 5.000 | 20.00 | 6.99  | 0.04 |      |
|                 |                 | Edge_1RB_Left   | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|                 |                 | Edge_1RB_Right  | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|                 | CP-OFDM 64 QAM  | 3560.01         | Outer_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|                 |                 |                 | Inner_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|                 |                 |                 | Inner_1RB_Left  | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
|                 |                 |                 | Inner_1RB_Right | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|                 |                 |                 | Edge_1RB_Left   | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
|                 |                 |                 | Edge_1RB_Right  | 1.000 | 4.998 | 20.01 | 6.99 | 0.03 |
| 3625.005        |                 | Outer_Full      | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|                 |                 | Inner_Full      | 1.002           | 5.000 | 20.04 | 6.98  | 0.04 |      |
|                 |                 | Inner_1RB_Left  | 1.000           | 5.000 | 20.00 | 6.99  | 0.00 |      |
|                 |                 | Inner_1RB_Right | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|                 |                 | Edge_1RB_Left   | 1.000           | 5.000 | 20.00 | 6.99  | 0.03 |      |
|                 |                 | Edge_1RB_Right  | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
| 3690            |                 | Outer_Full      | 1.002           | 5.000 | 20.04 | 6.98  | 0.04 |      |
|                 |                 | Inner_Full      | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|                 |                 | Inner_1RB_Left  | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|                 |                 | Inner_1RB_Right | 1.000           | 5.000 | 20.00 | 6.99  | 0.00 |      |
|                 |                 | Edge_1RB_Left   | 1.000           | 5.000 | 20.00 | 6.99  | 0.00 |      |
|                 |                 | Edge_1RB_Right  | 1.000           | 5.000 | 20.00 | 6.99  | 0.00 |      |
| CP-OFDM 256 QAM |                 | 3560.01         | Outer_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|                 |                 |                 | Inner_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|                 |                 |                 | Inner_1RB_Left  | 1.002 | 5.002 | 20.03 | 6.98 | 0.01 |
|                 |                 |                 | Inner_1RB_Right | 1.000 | 5.000 | 20.00 | 6.99 | 0.03 |
|                 |                 |                 | Edge_1RB_Left   | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|                 |                 |                 | Edge_1RB_Right  | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|                 | 3625.005        | Outer_Full      | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|                 |                 | Inner_Full      | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |



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|  |      |                 |       |       |       |      |      |
|--|------|-----------------|-------|-------|-------|------|------|
|  |      | Outer_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.03 |
|  |      | Inner_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|  |      | Inner_1RB_Left  | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
|  |      | Inner_1RB_Right | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
|  | 3690 | Edge_1RB_Left   | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
|  |      | Edge_1RB_Right  | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
|  |      | Outer_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|  |      | Inner_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|  |      | Inner_1RB_Left  | 1.000 | 5.000 | 20.00 | 6.99 | 0.04 |
|  |      | Inner_1RB_Right | 1.000 | 5.000 | 20.00 | 6.99 | 0.03 |

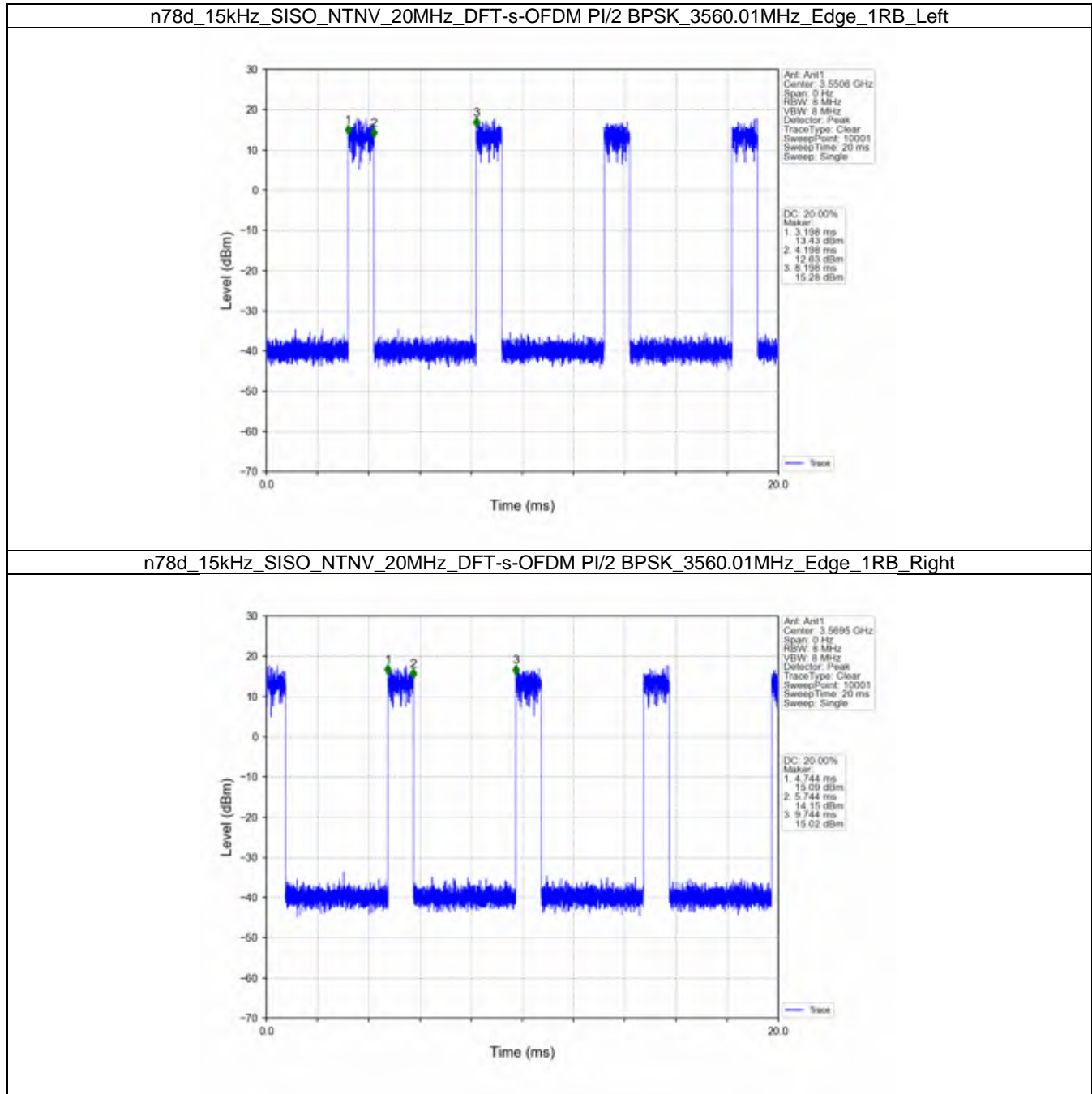


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## 1.3.2 Test Graph



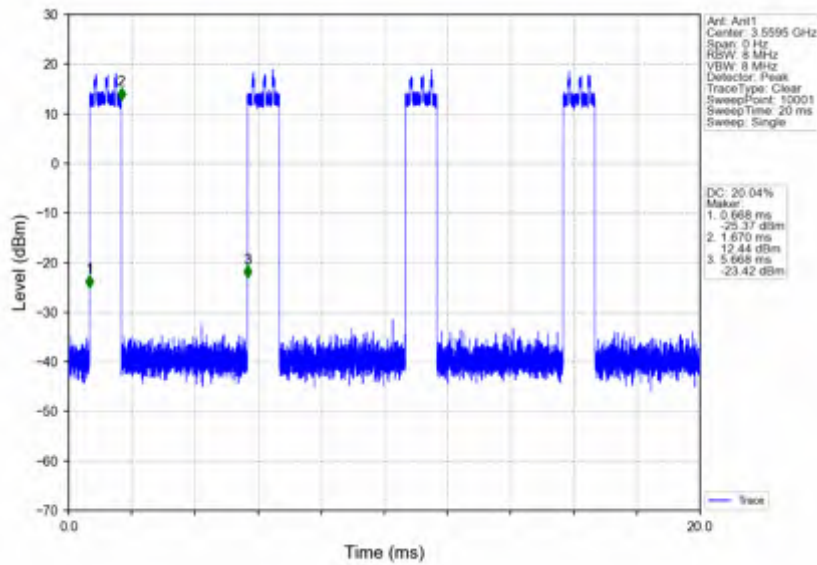
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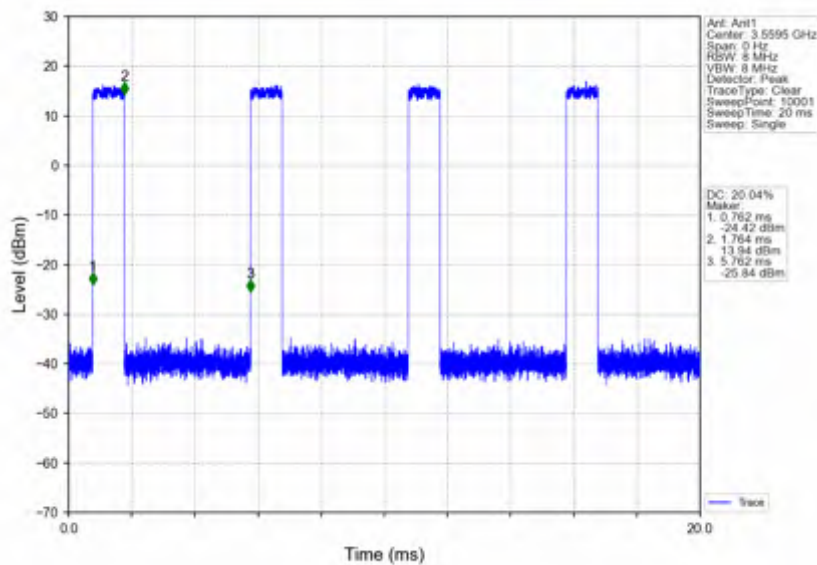
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_3560.01MHz\_Outer\_Full



n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_3560.01MHz\_Inner\_Full

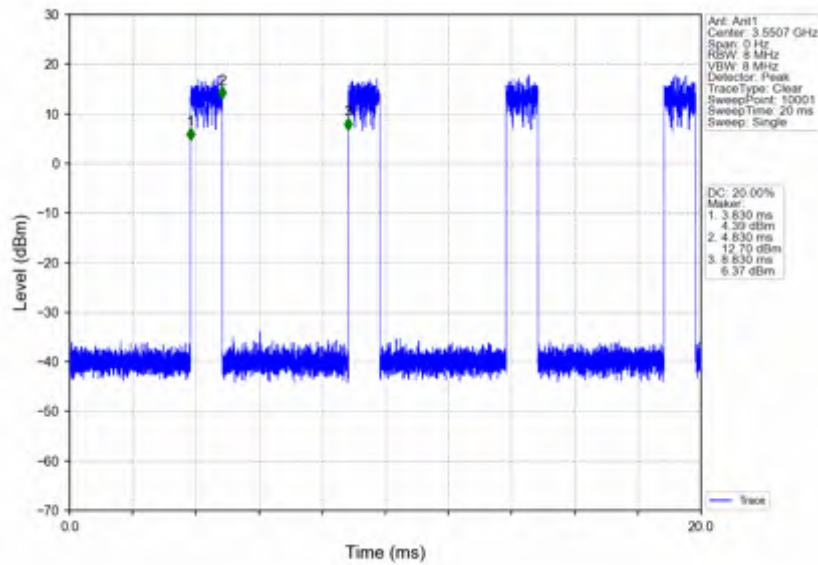


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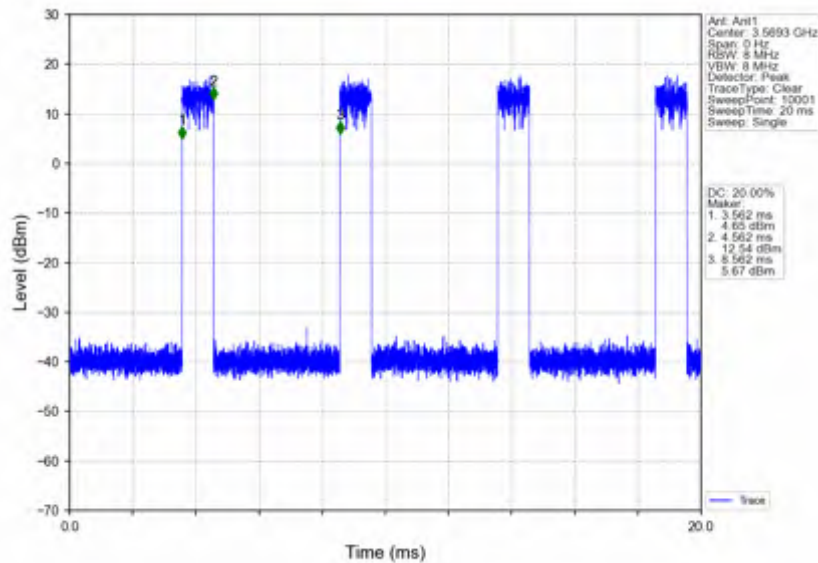
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_3560.01MHz\_Inner\_1RB\_Left



n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_3560.01MHz\_Inner\_1RB\_Right



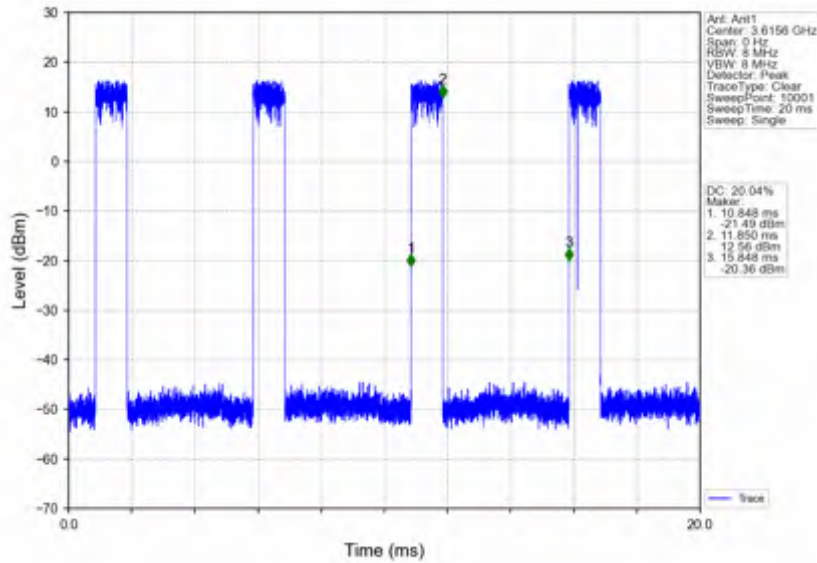
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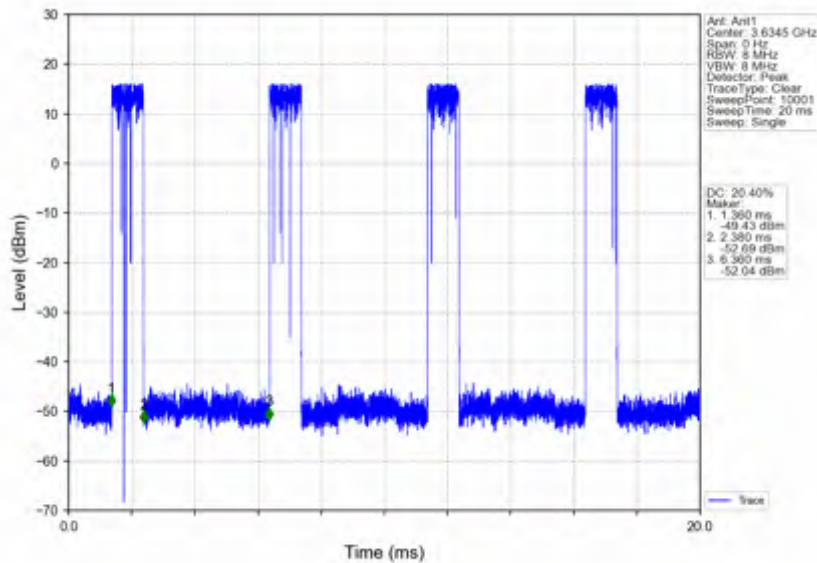
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_3625.005MHz\_Edge\_1RB\_Left



n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_3625.005MHz\_Edge\_1RB\_Right

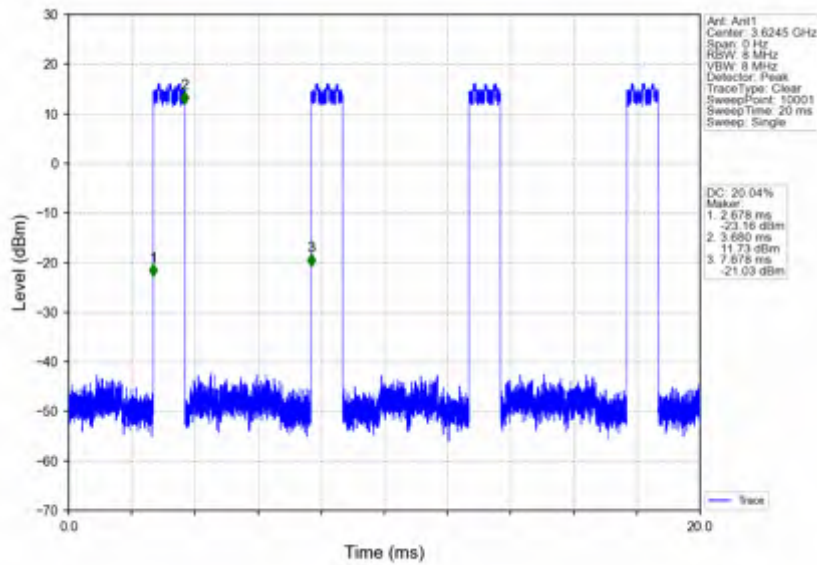


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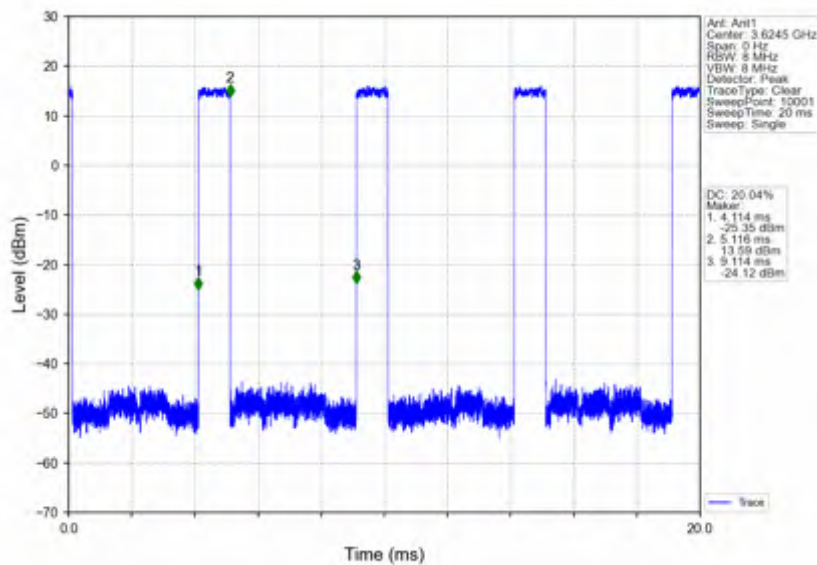
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_3625.005MHz\_Inner\_Full



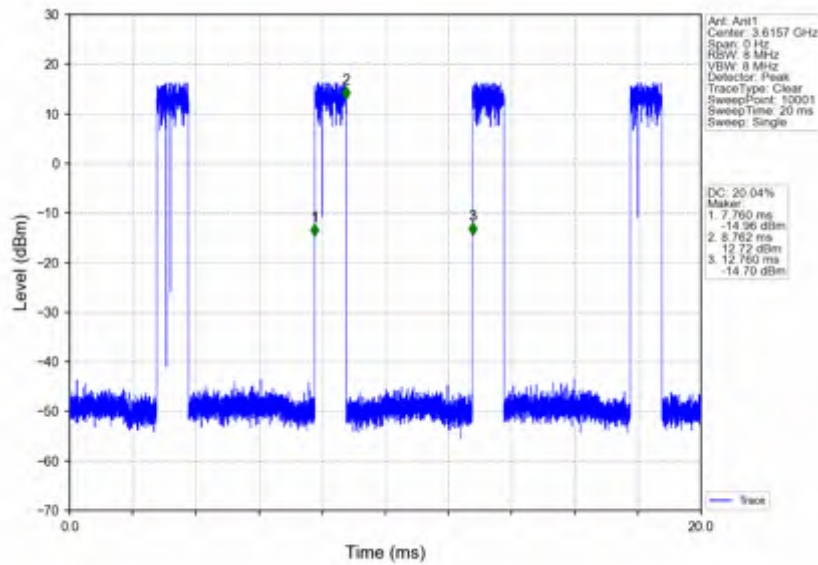
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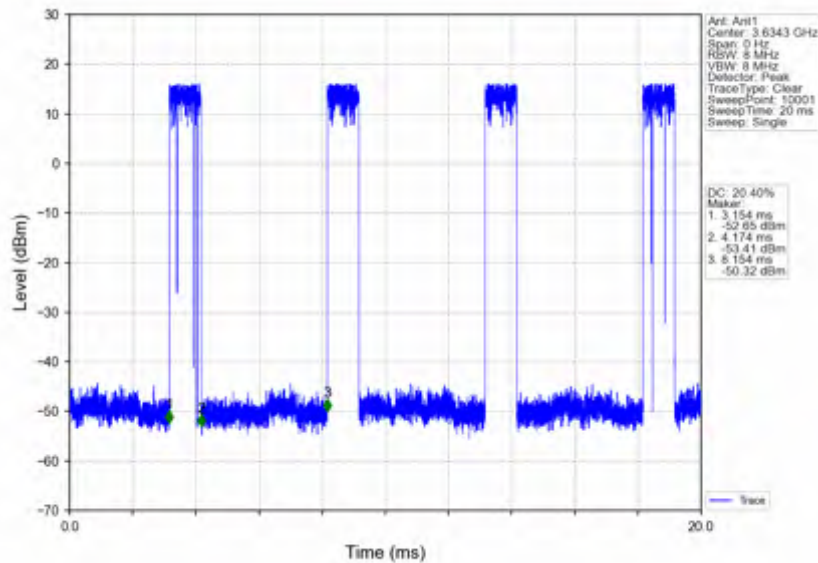
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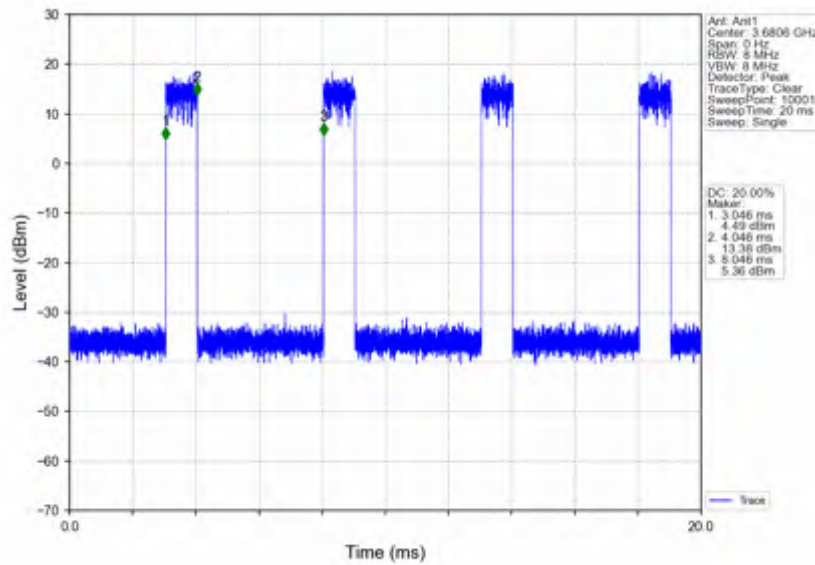
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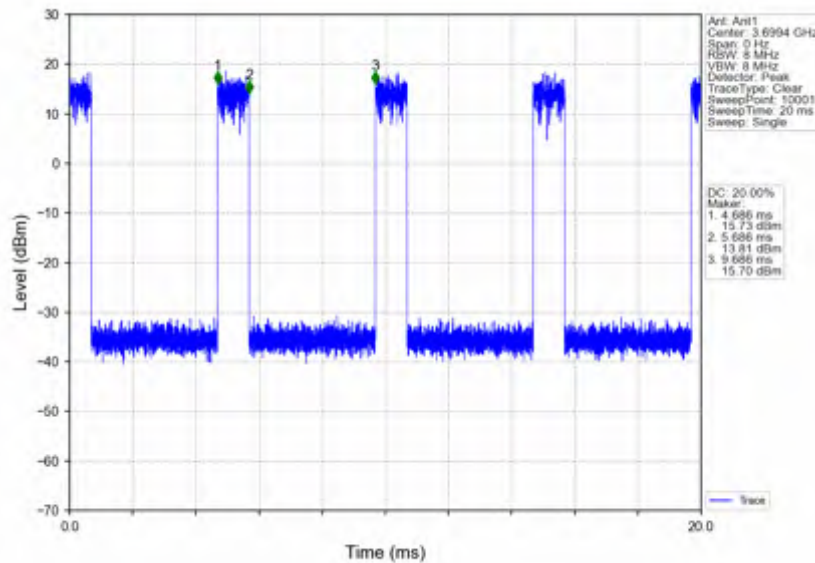
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_3690MHz\_Edge\_1RB\_Right



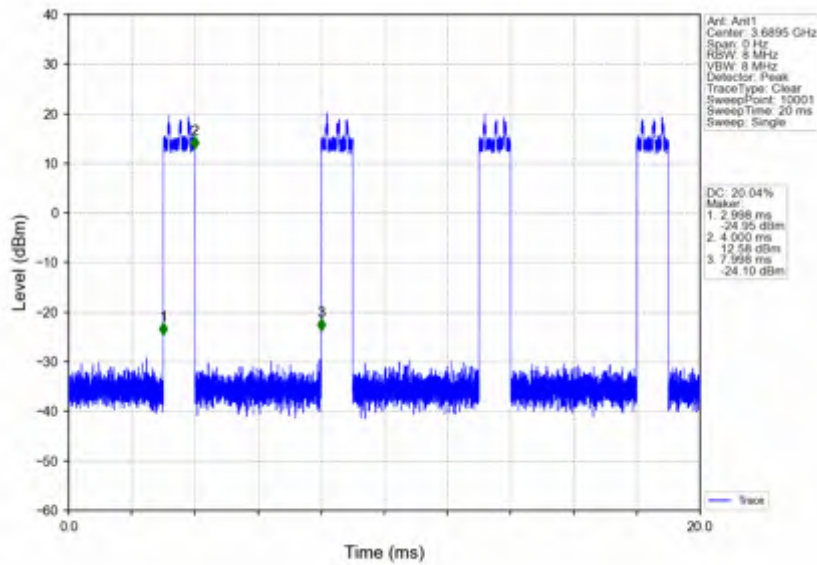
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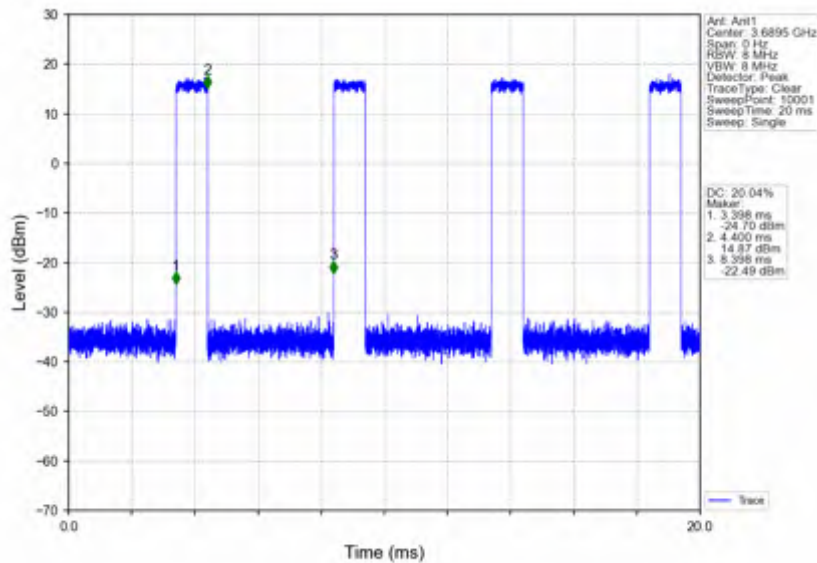
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_3690MHz\_Outer\_Full



n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_3690MHz\_Inner\_Full



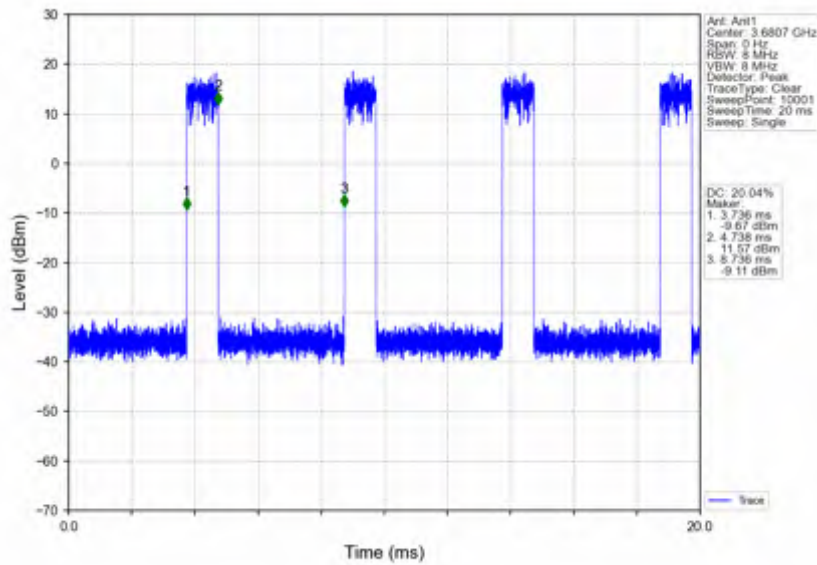
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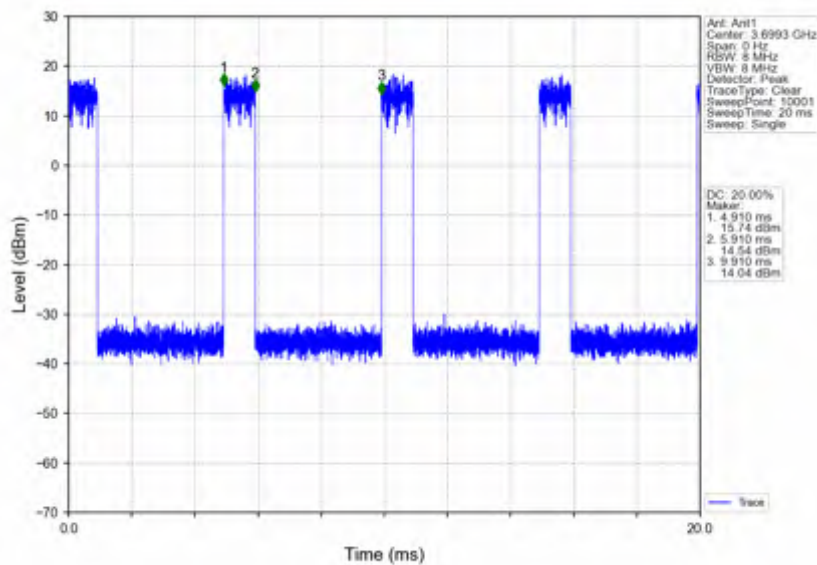
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_3690MHz\_Inner\_1RB\_Left



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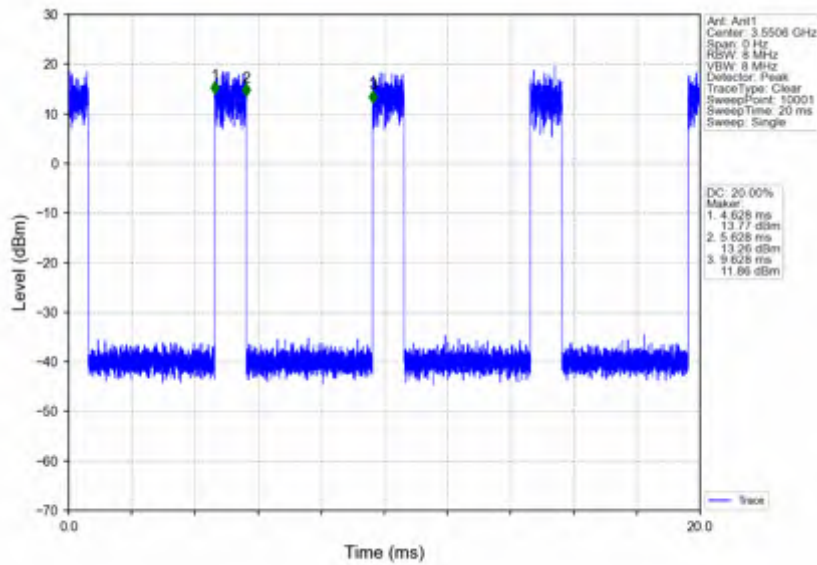
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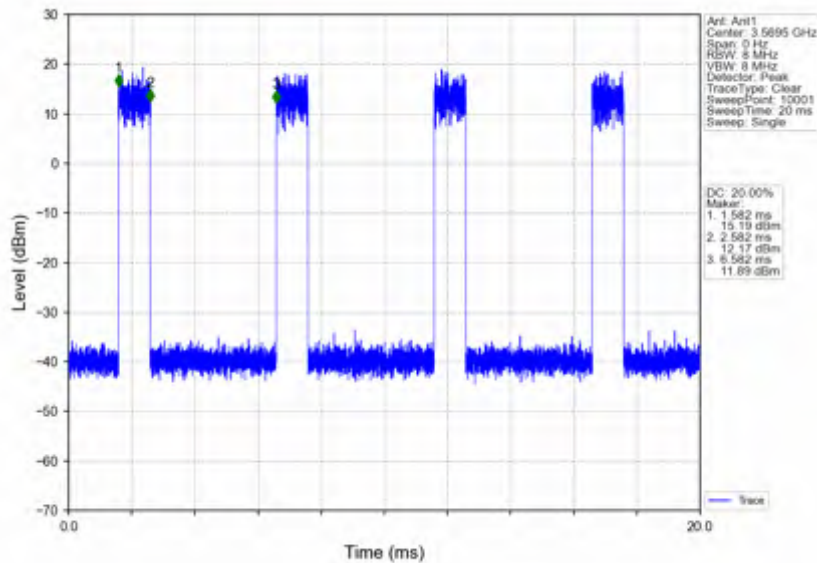
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM QPSK\_3560.01MHz\_Edge\_1RB\_Left



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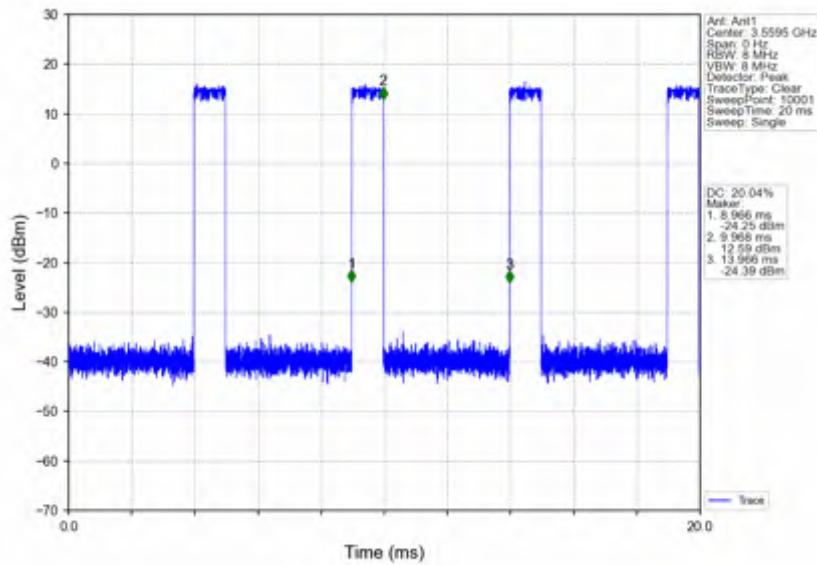


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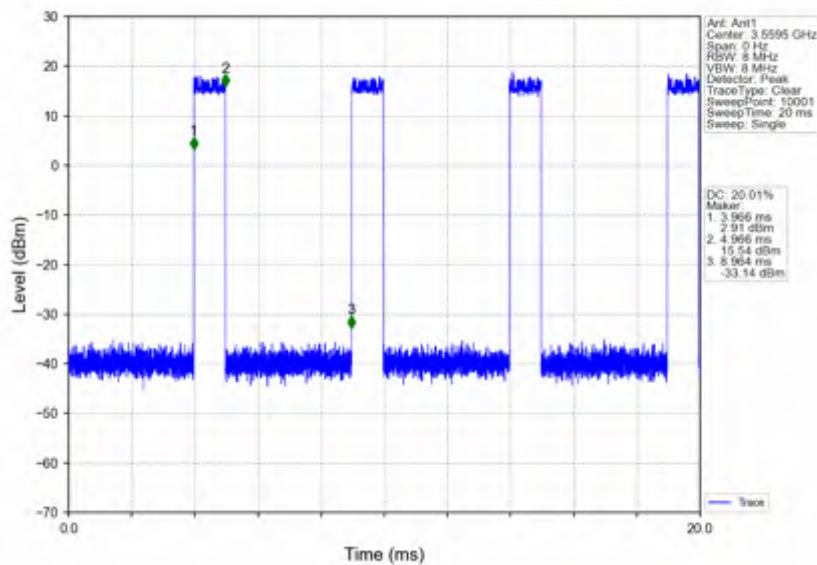
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_3560.01MHz\_Outer\_Full



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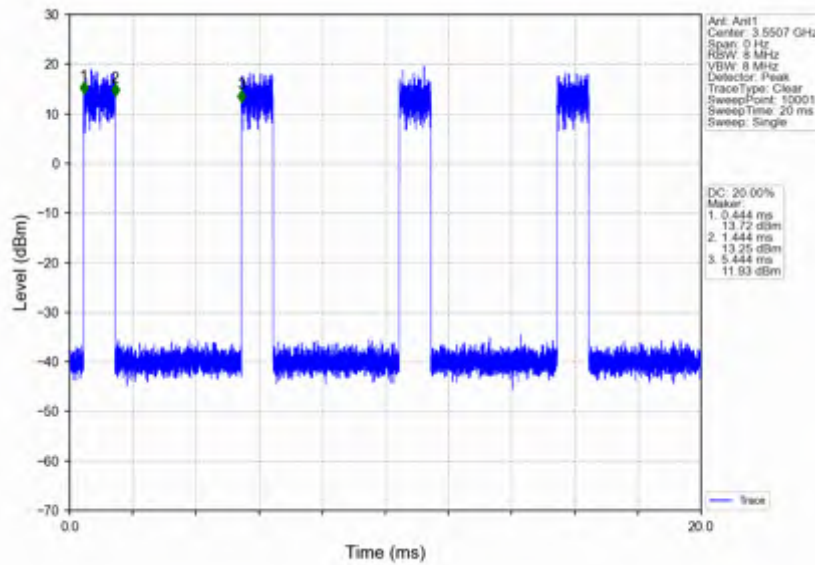
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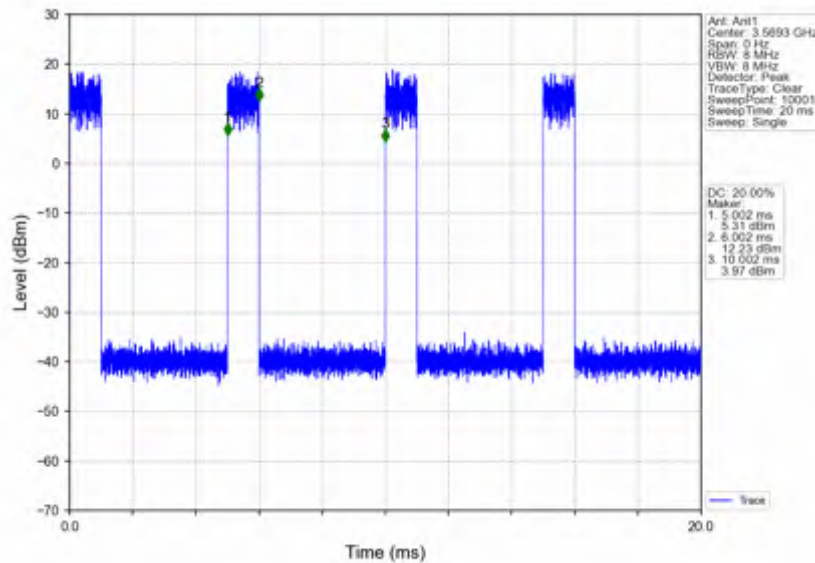
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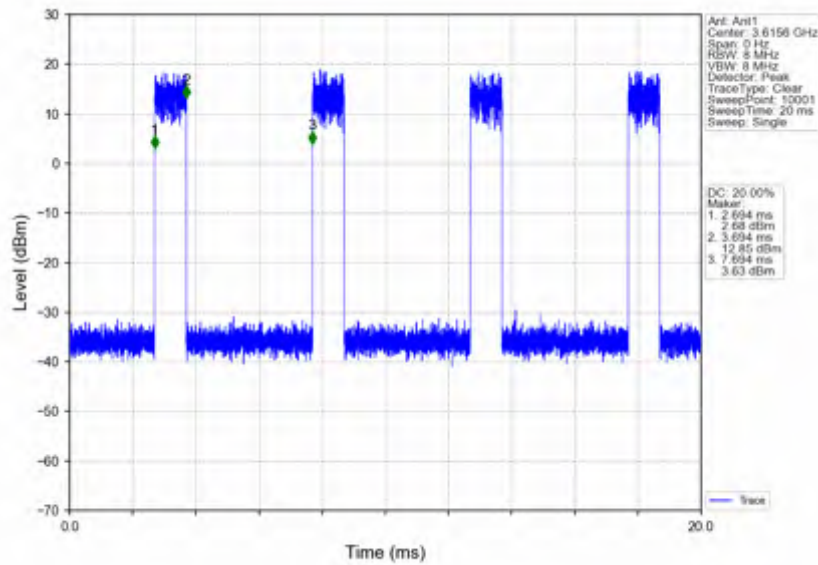


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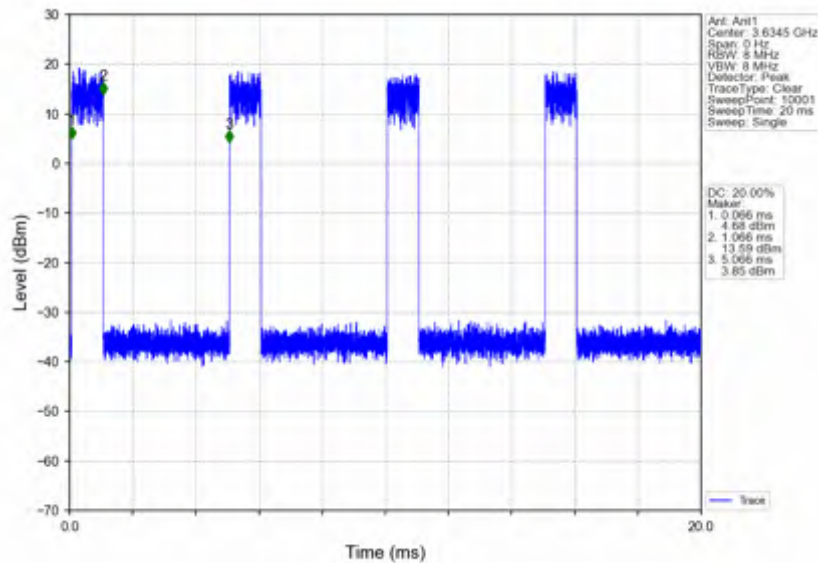
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n78d\_15kHz\_SISO\_NTV\_20MHz\_DFT-s-OFDM QPSK\_3625.005MHz\_Edge\_1RB\_Left



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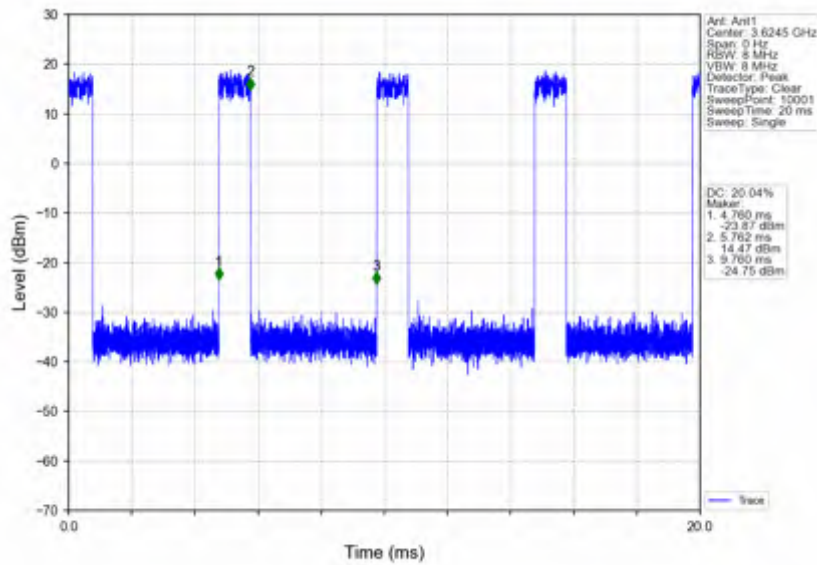
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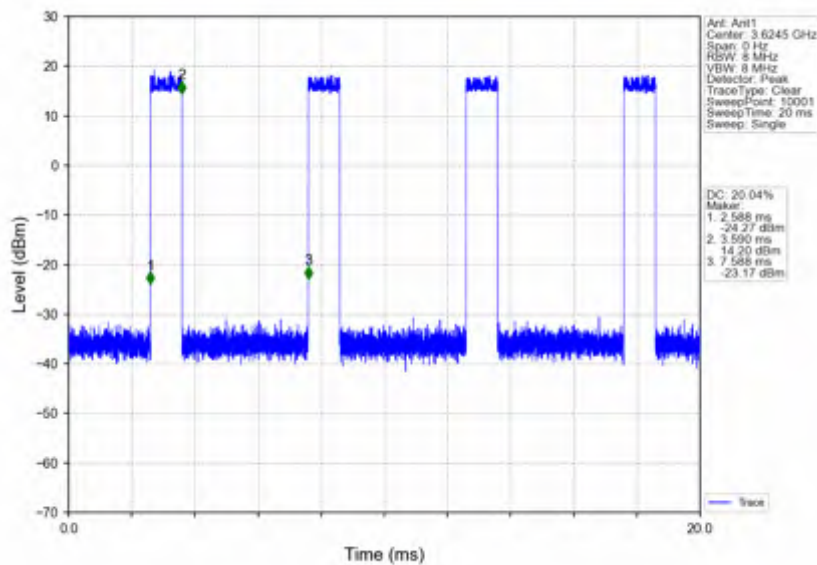
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM QPSK\_3625.005MHz\_Outer\_Full



n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM QPSK\_3625.005MHz\_Inner\_Full



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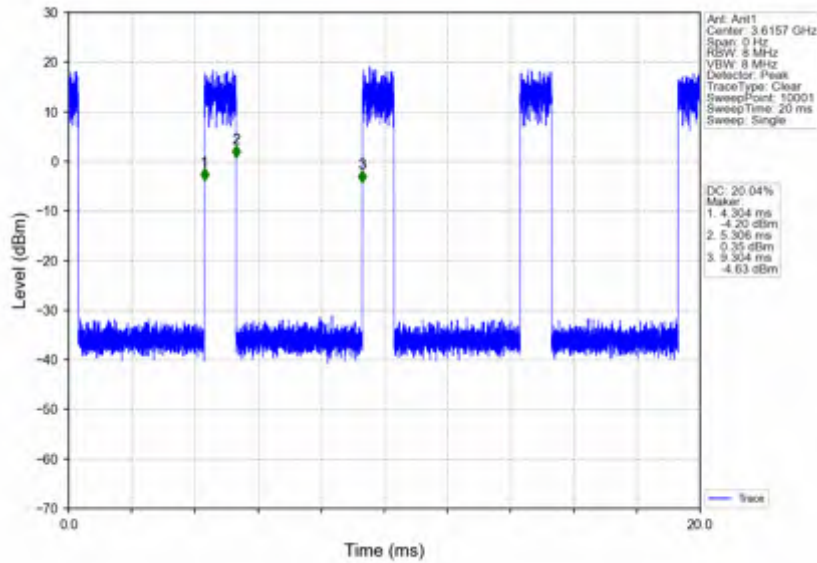
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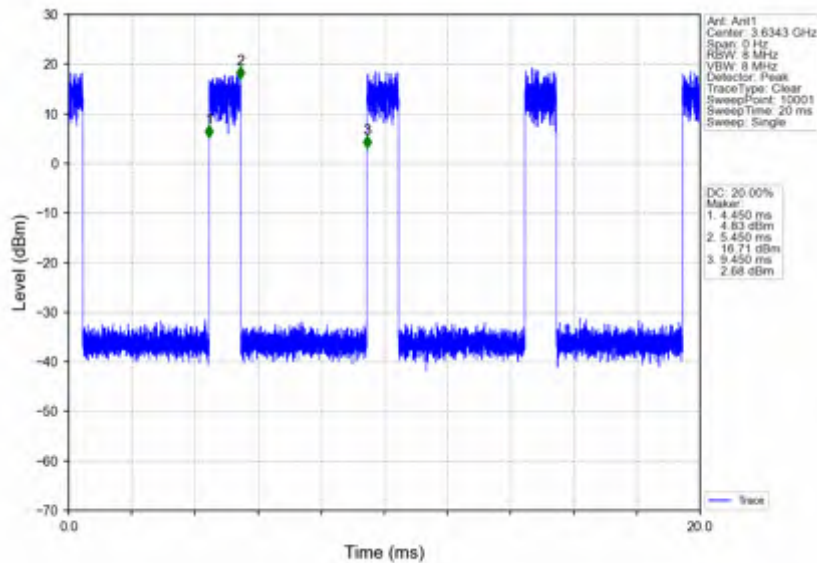
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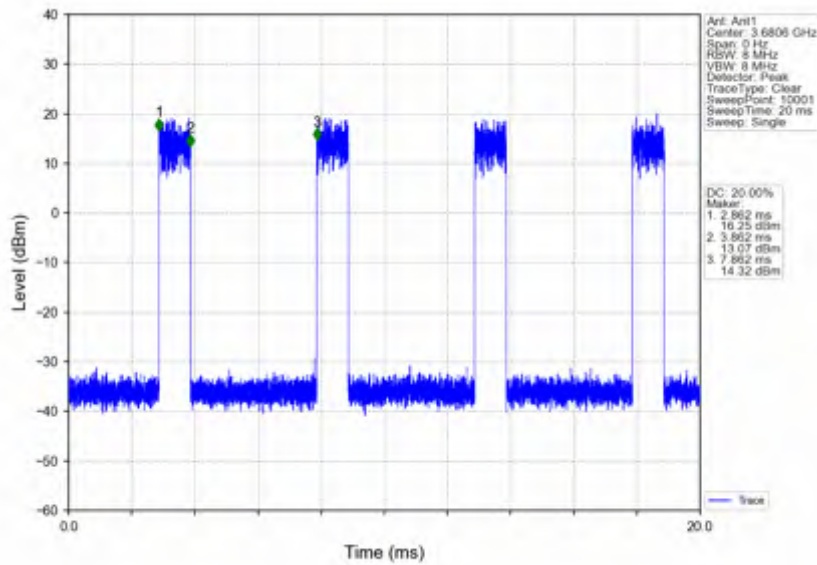
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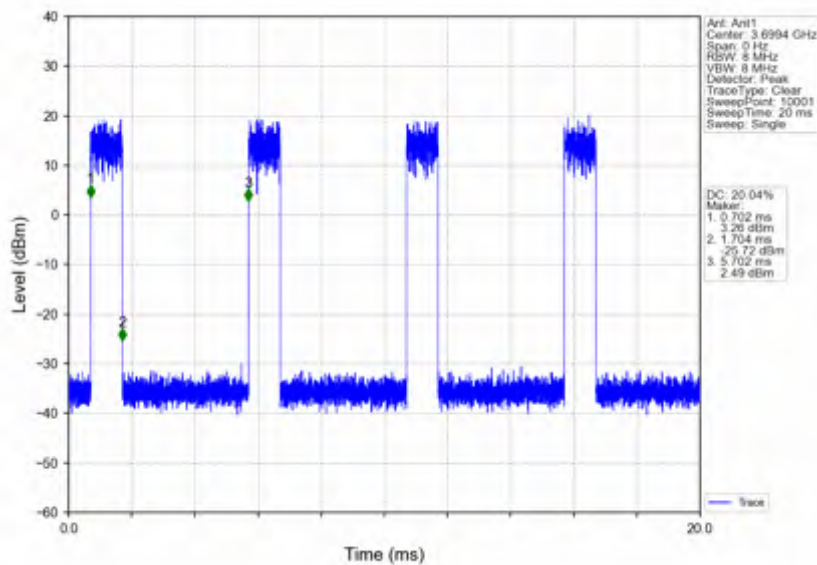
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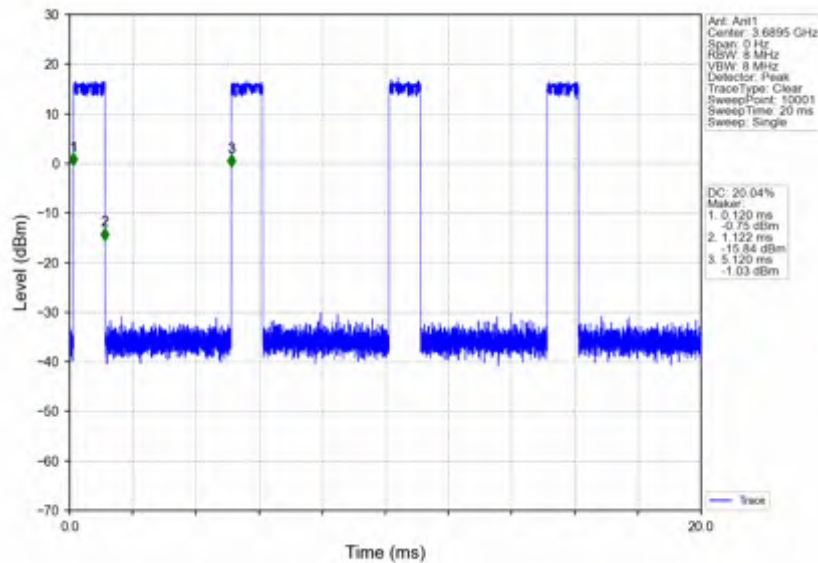
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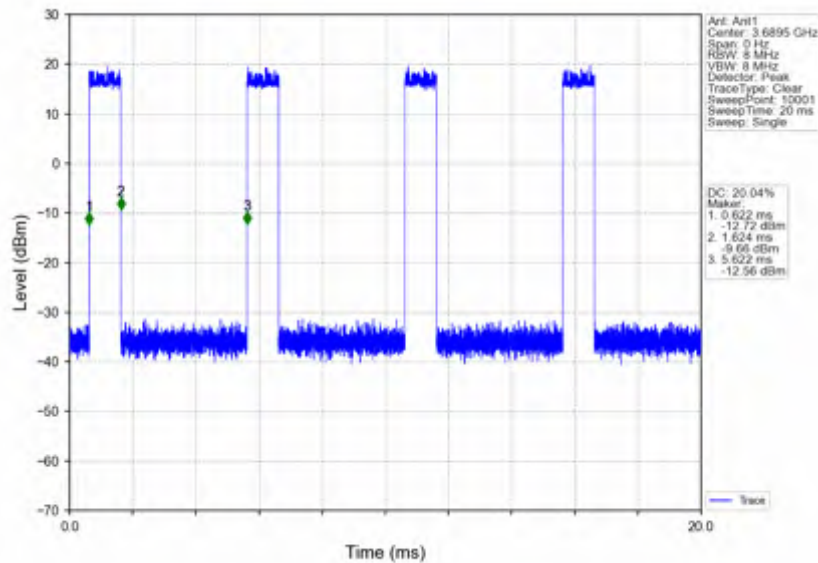
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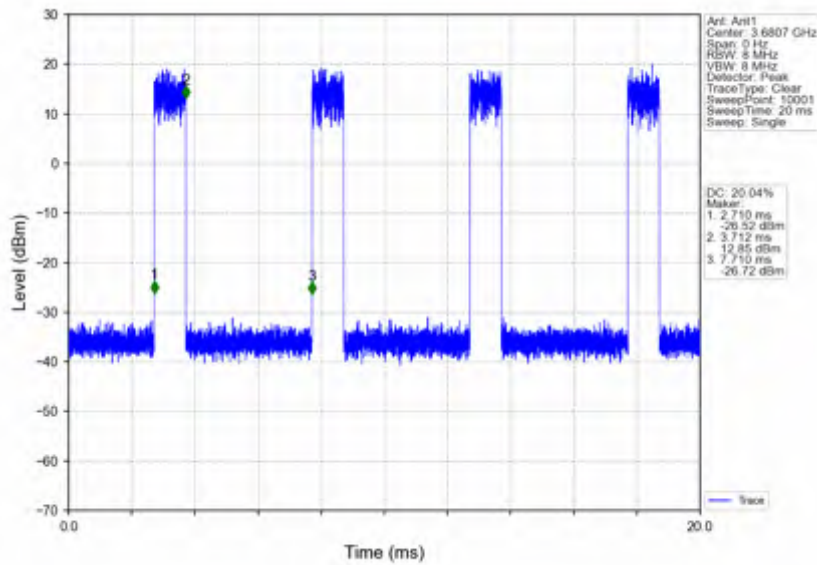
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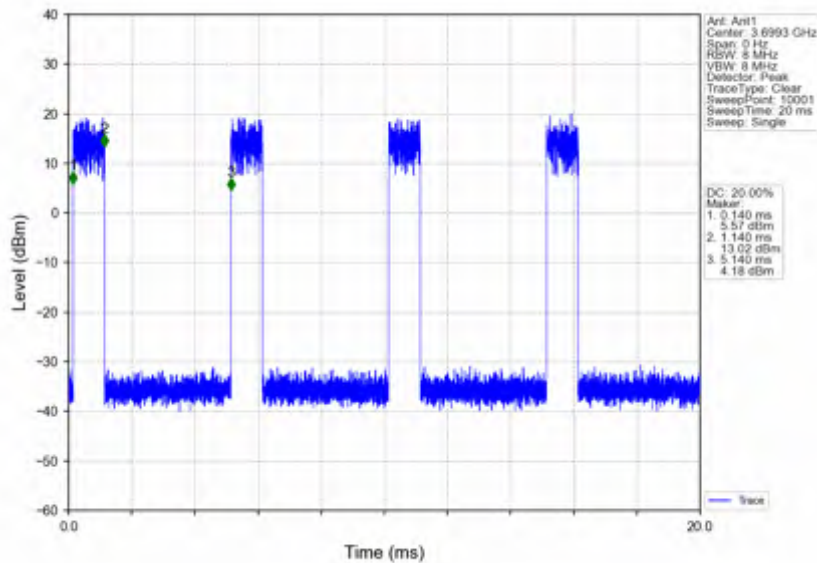
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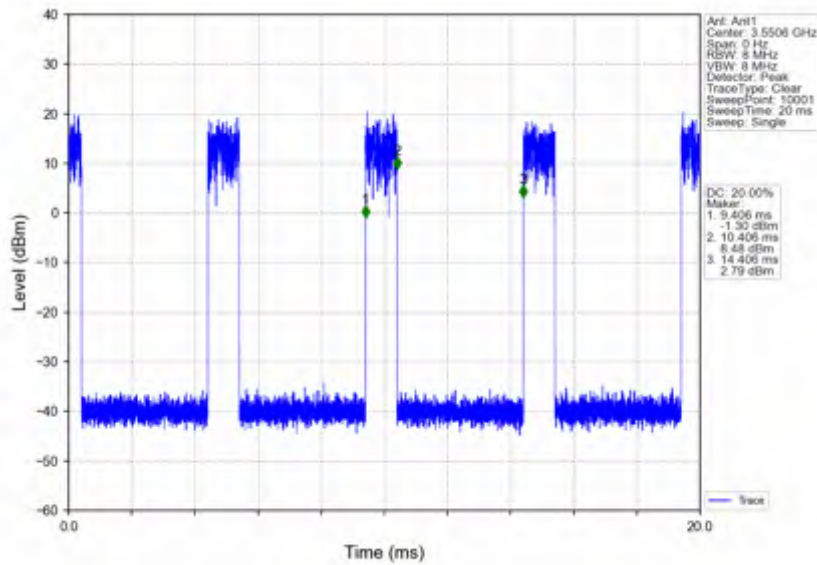
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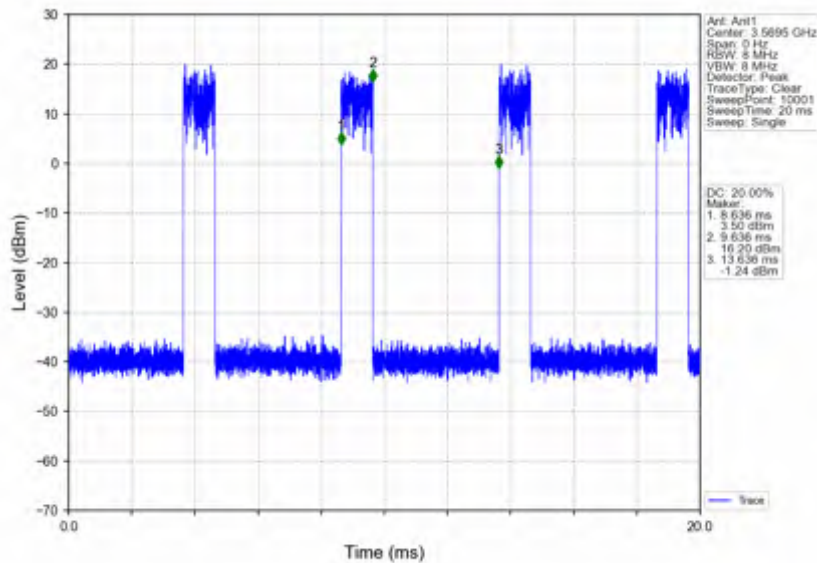
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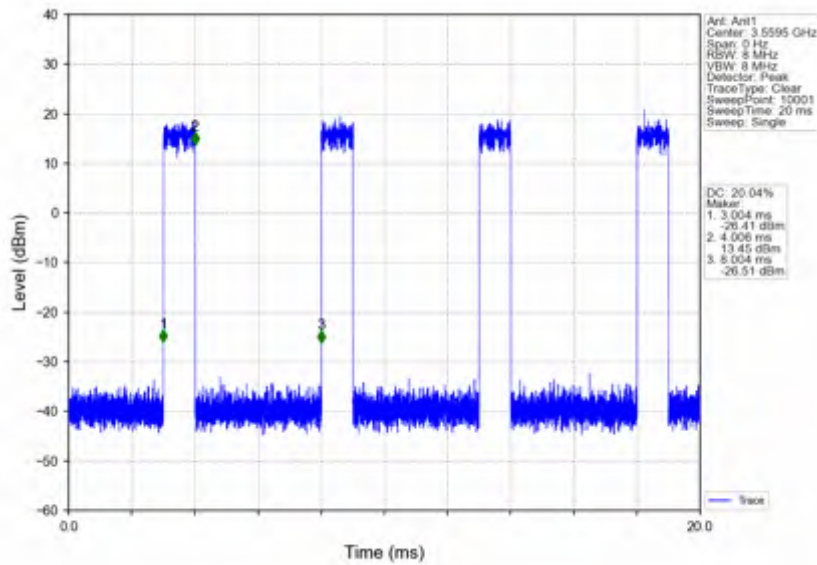
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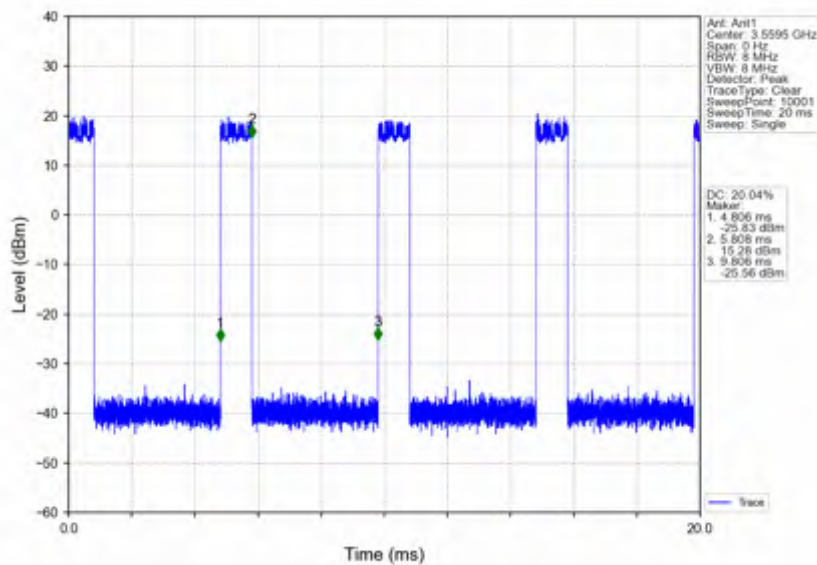
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 16 QAM\_3560.01MHz\_Outer\_Full



n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 16 QAM\_3560.01MHz\_Inner\_Full



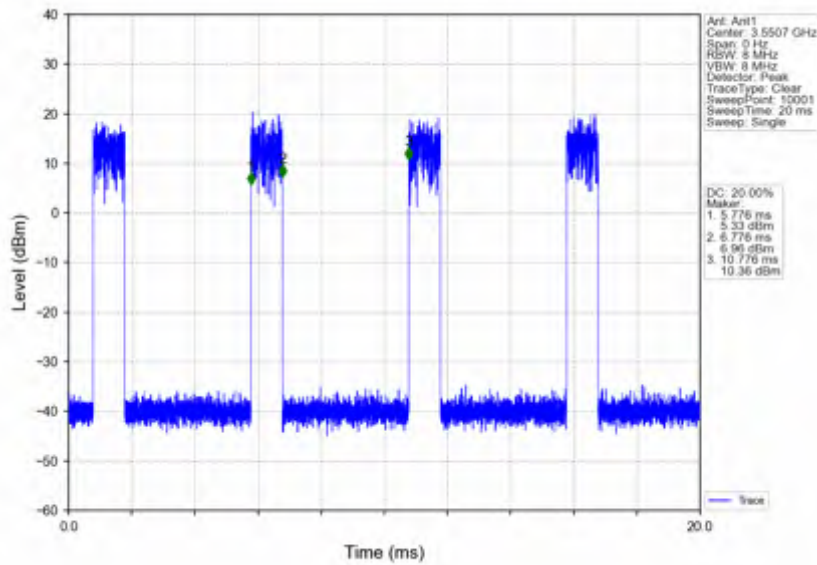
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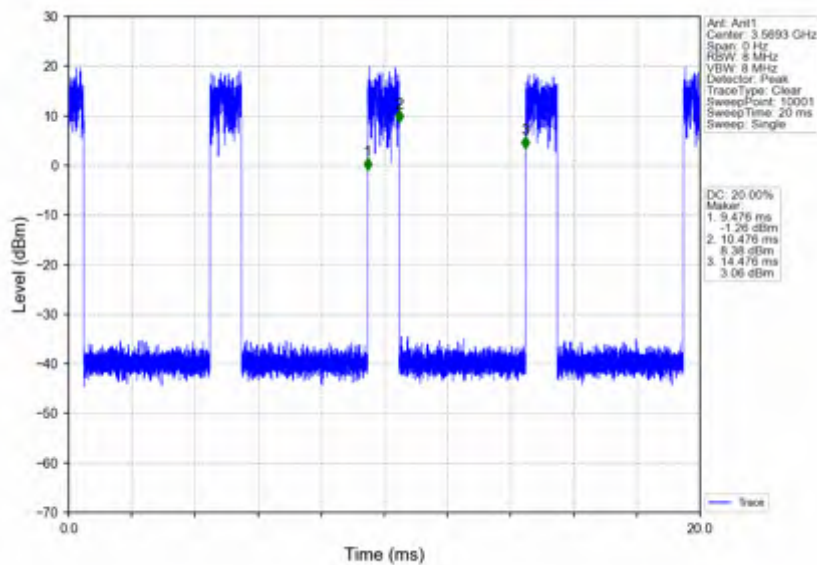
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_16 QAM\_3560.01MHz\_Inner\_1RB\_Left



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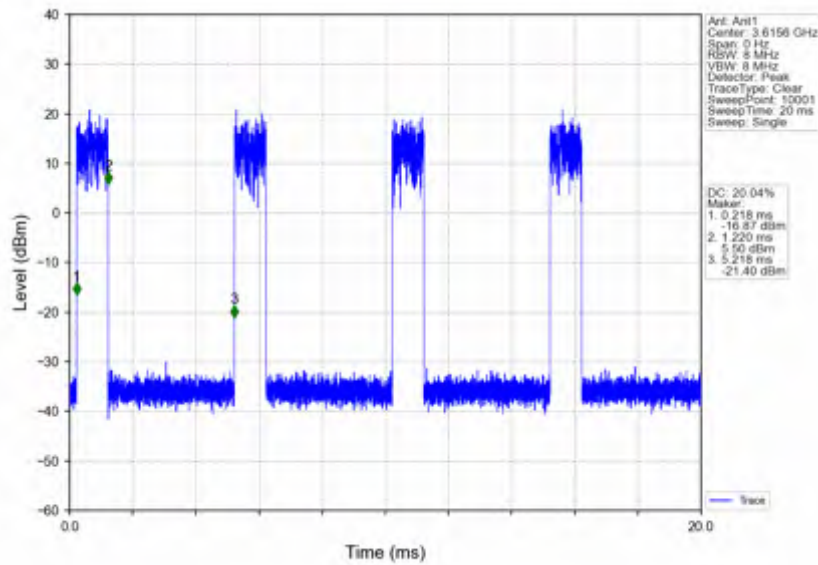


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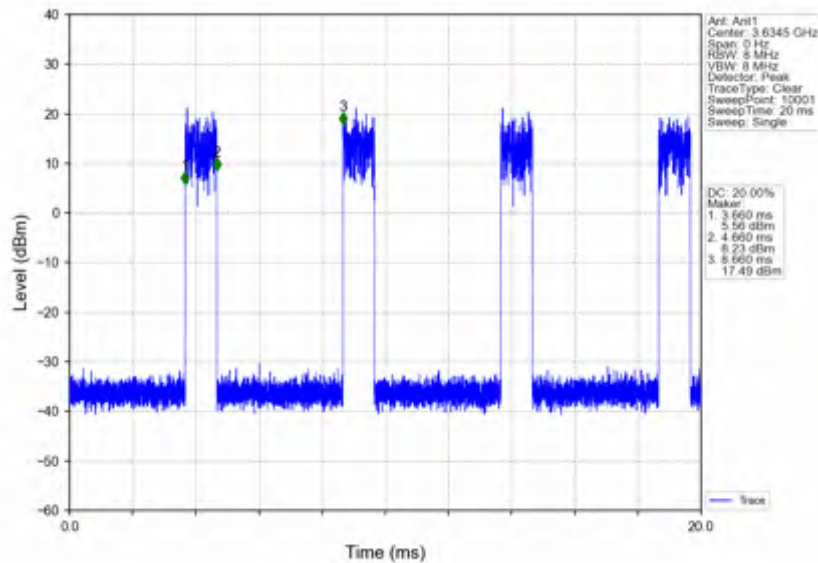
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_16 QAM\_3625.005MHz\_Edge\_1RB\_Left



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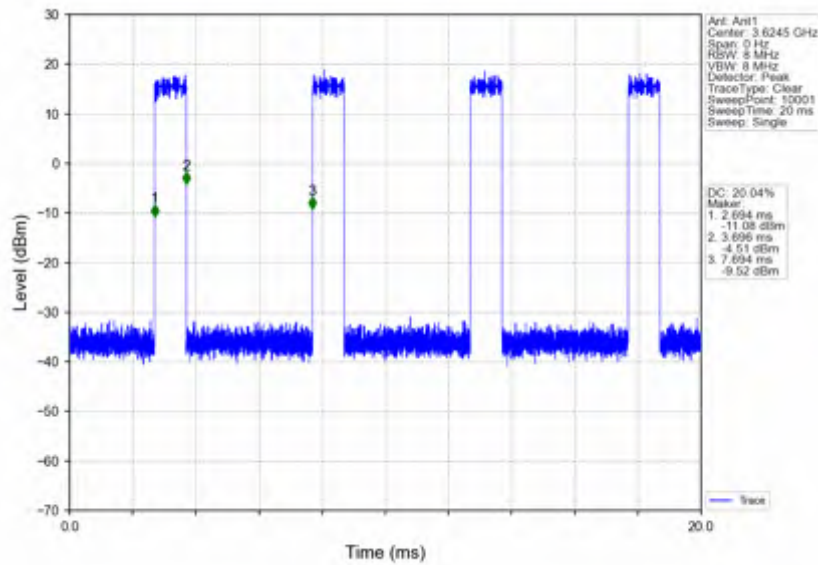
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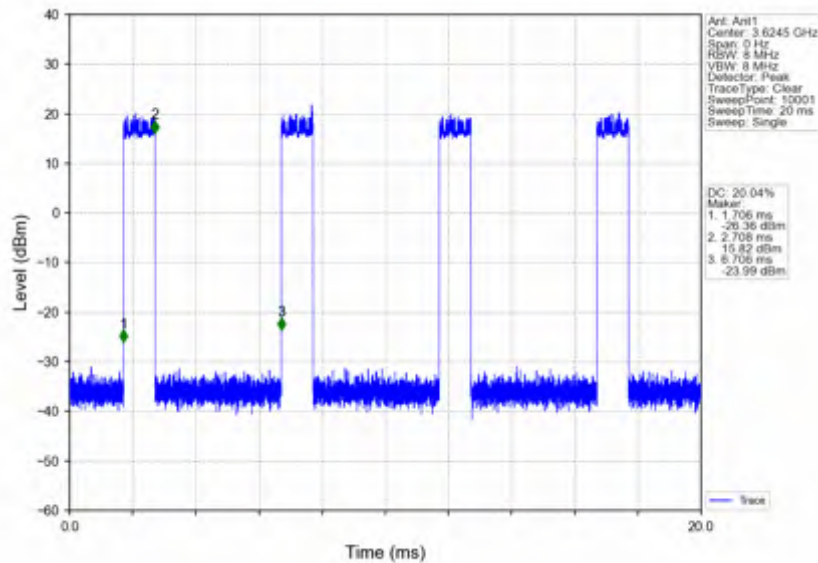
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_16\_QAM\_3625.005MHz\_Outer\_Full



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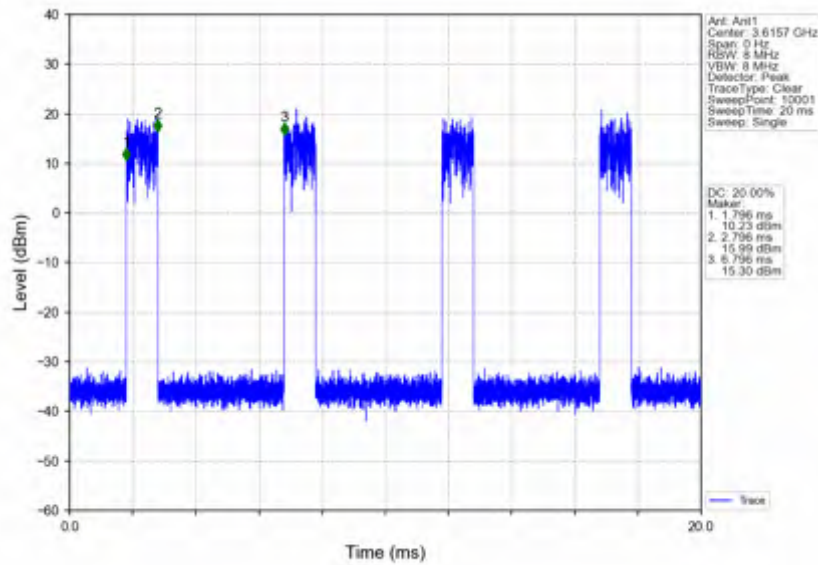
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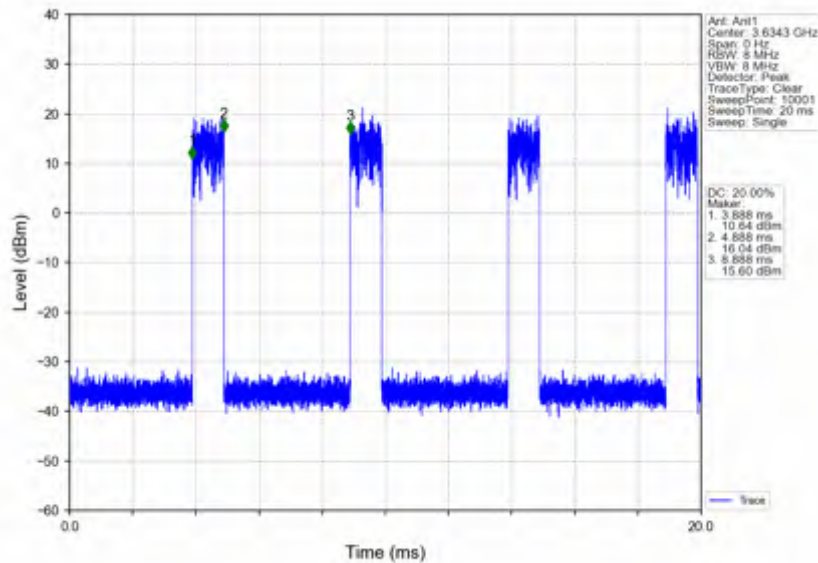
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 16 QAM\_3625.005MHz\_Inner\_1RB\_Left



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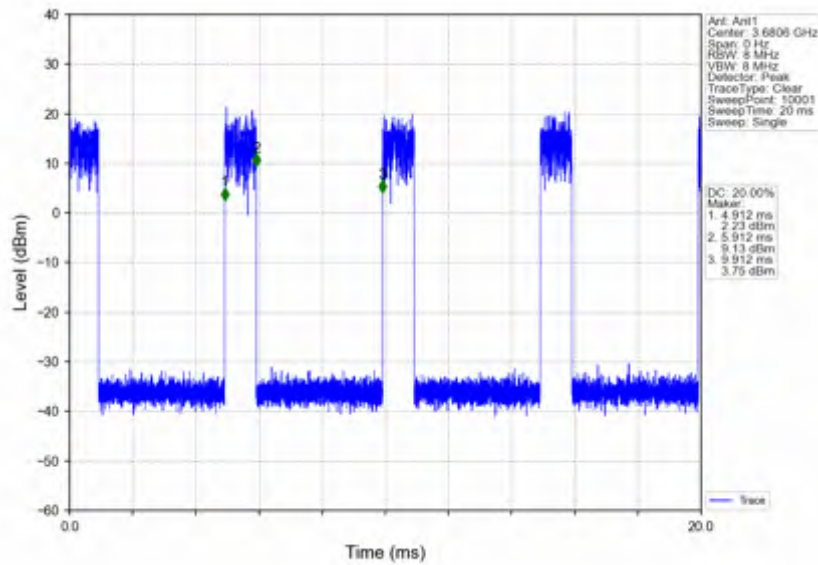
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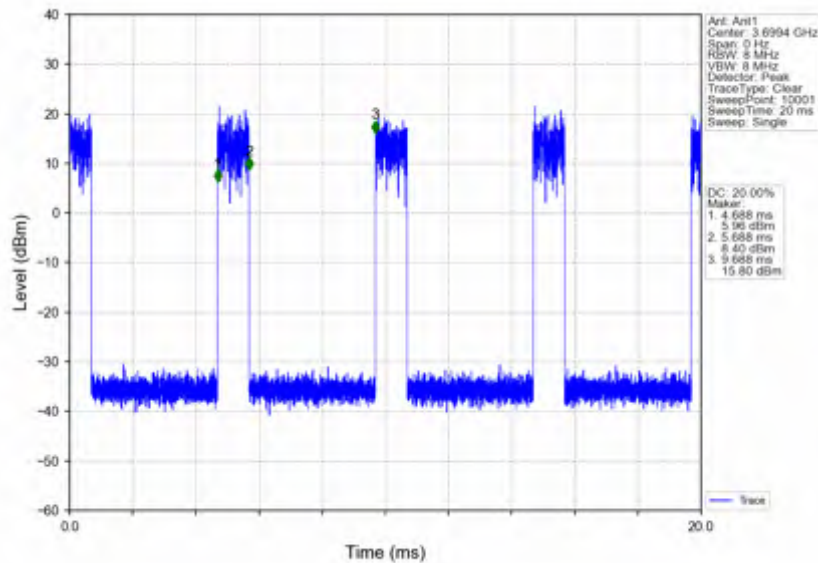
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_16 QAM\_3690MHz\_Edge\_1RB\_Left



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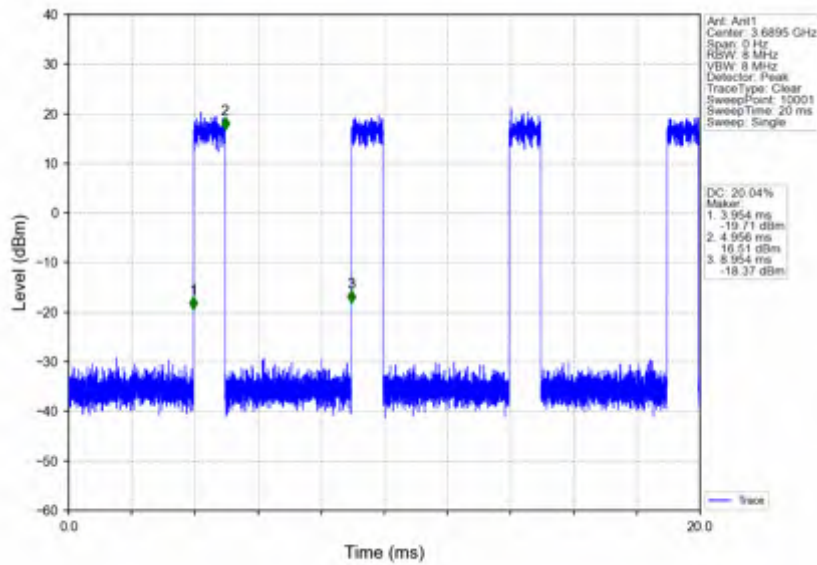
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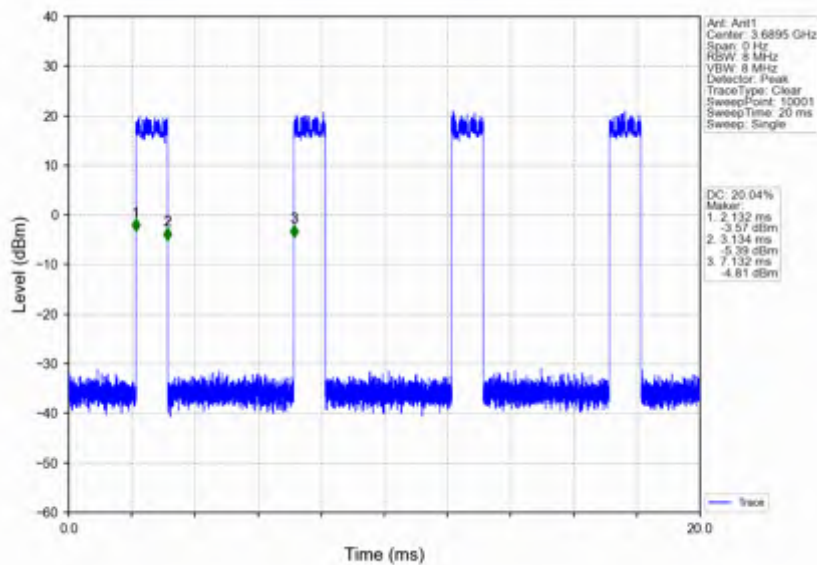
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 16 QAM\_3690MHz\_Outer\_Full



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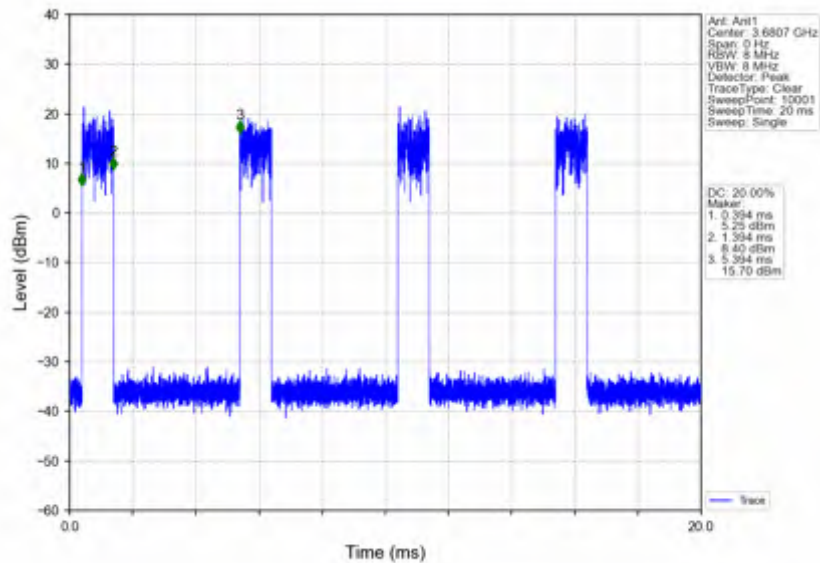


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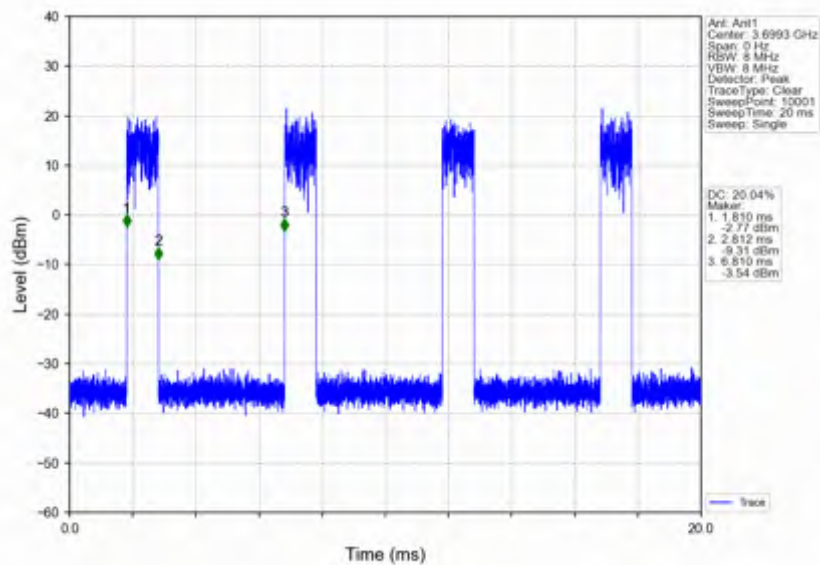
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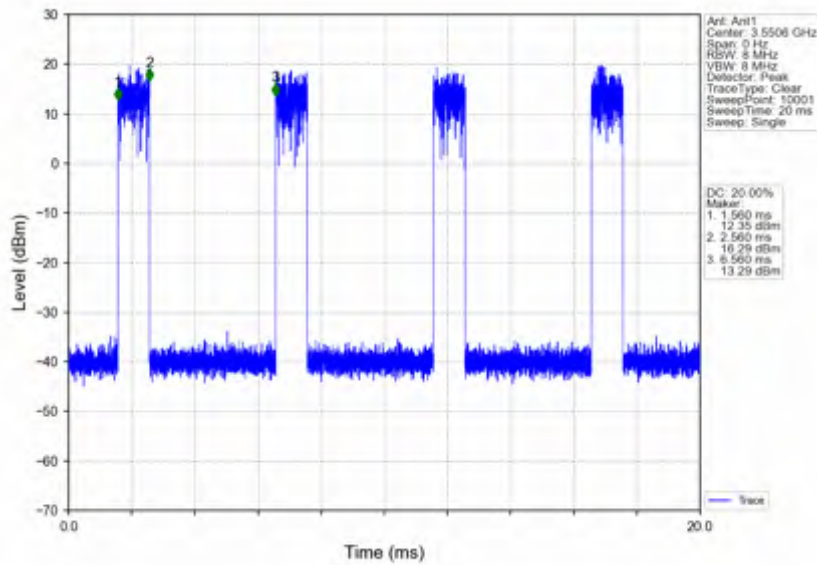


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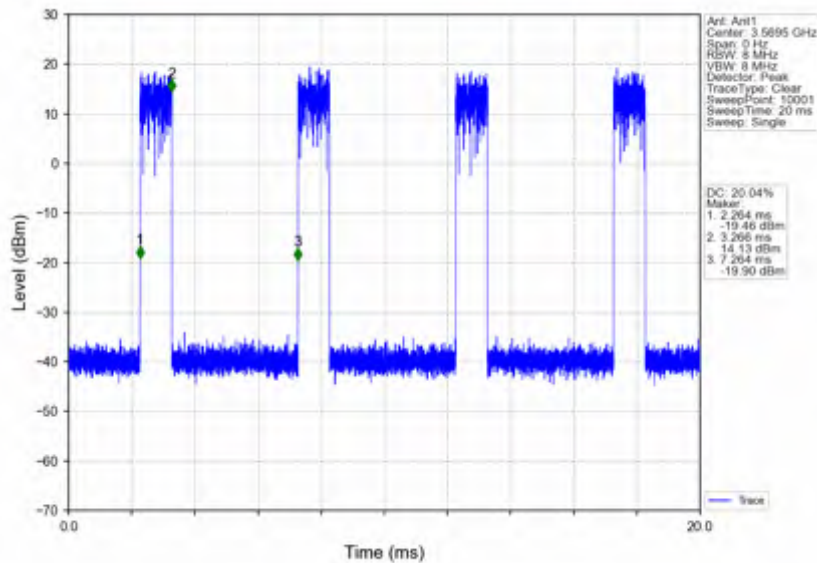
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 64 QAM\_3560.01MHz\_Edge\_1RB\_Left



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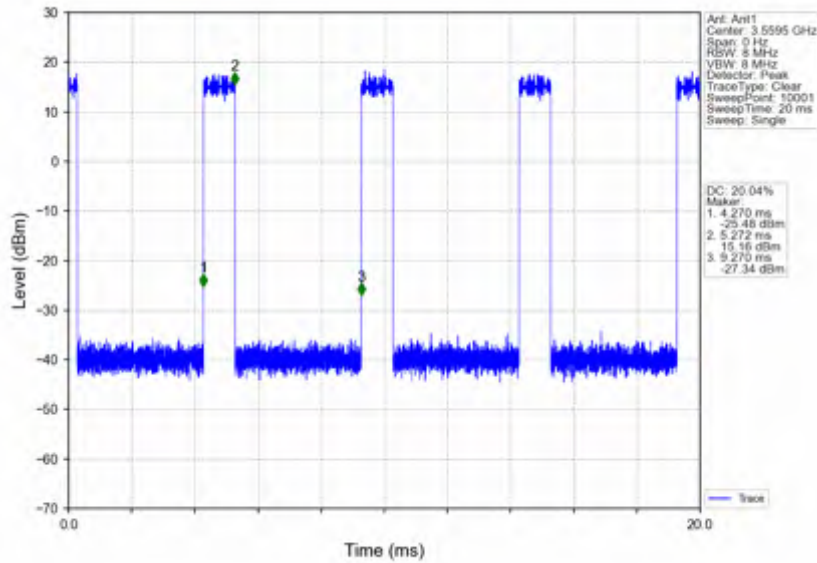


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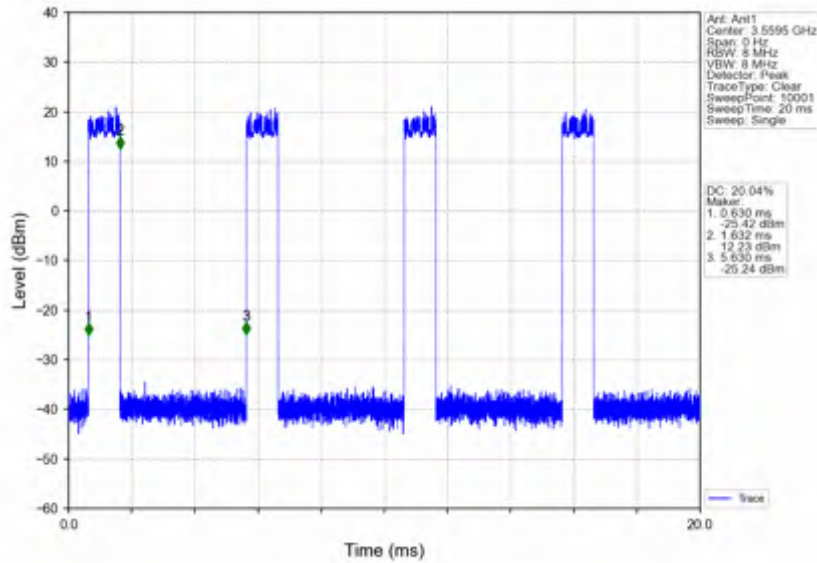
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 64 QAM\_3560.01MHz\_Outer\_Full



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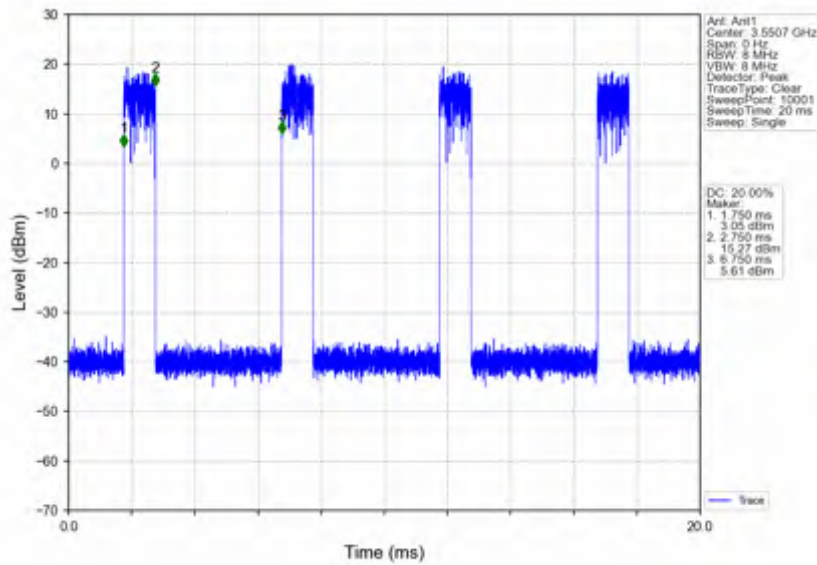


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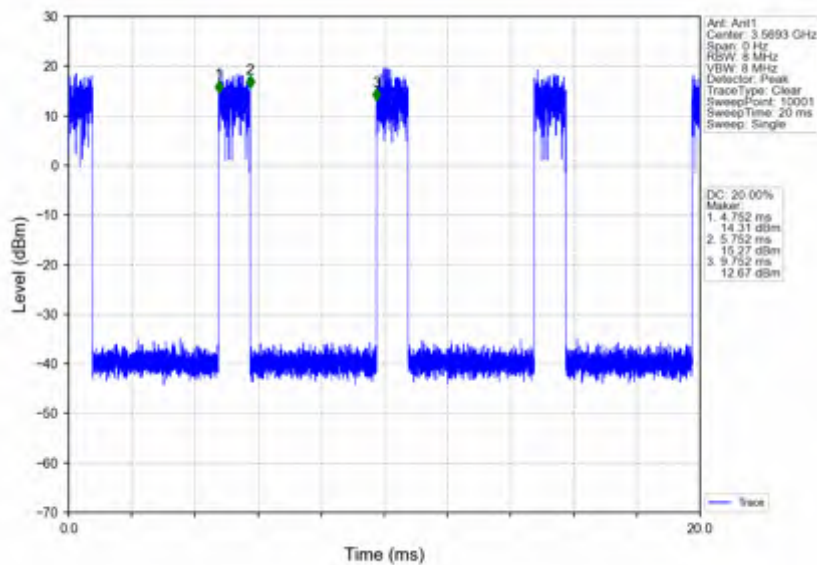
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 64 QAM\_3560.01MHz\_Inner\_1RB\_Left



n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 64 QAM\_3560.01MHz\_Inner\_1RB\_Right



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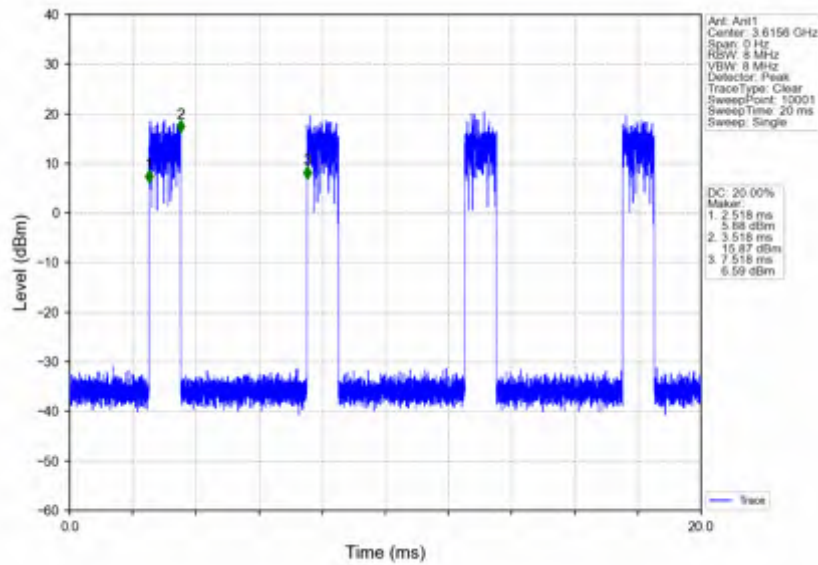
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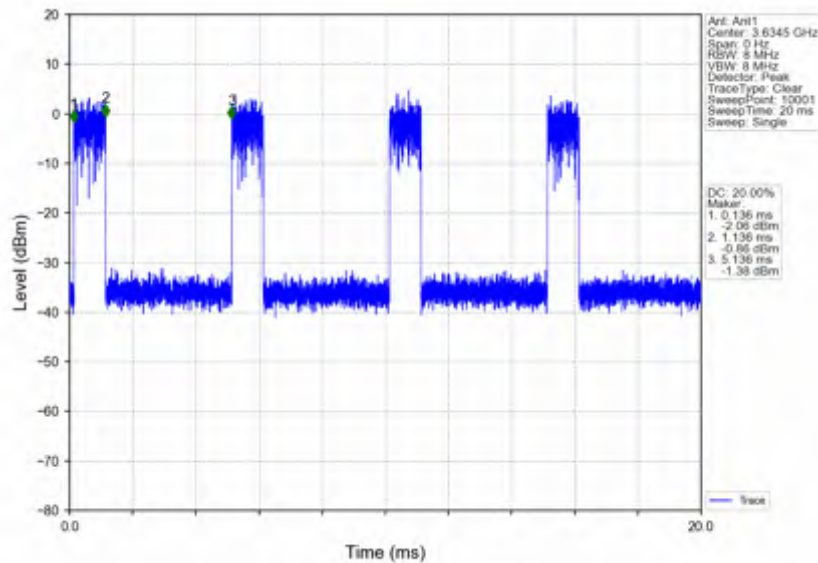
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 64 QAM\_3625.005MHz\_Edge\_1RB\_Left



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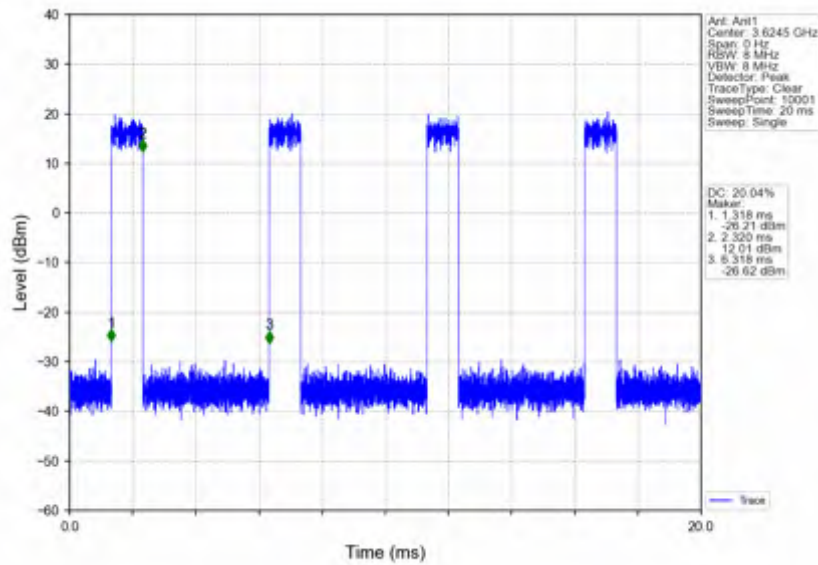


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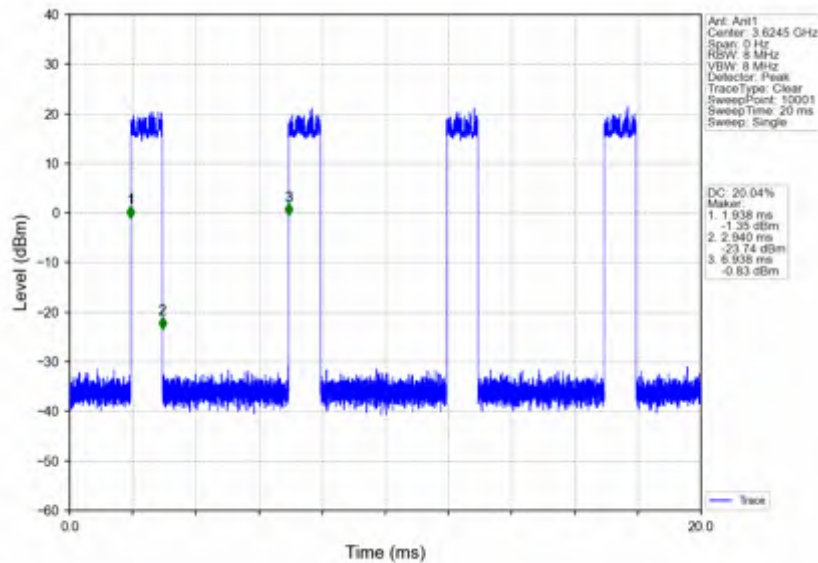
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 64 QAM\_3625.005MHz\_Outer\_Full



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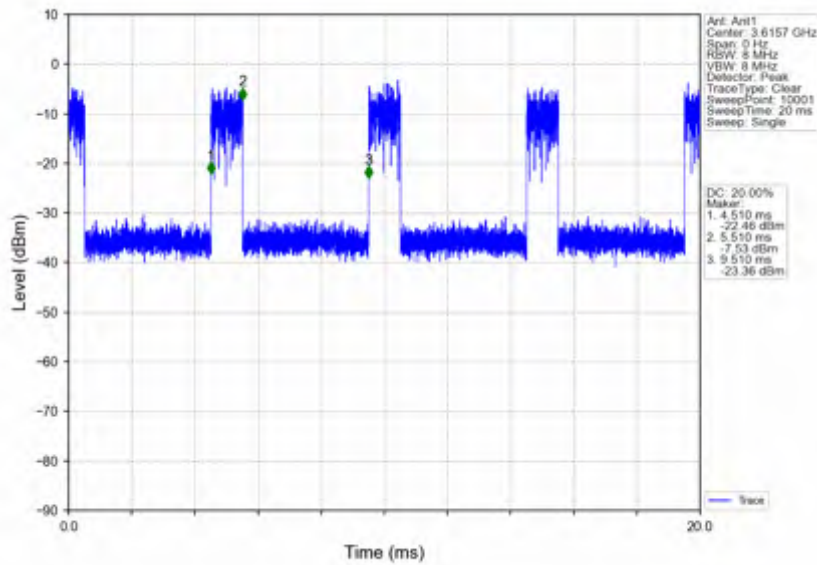
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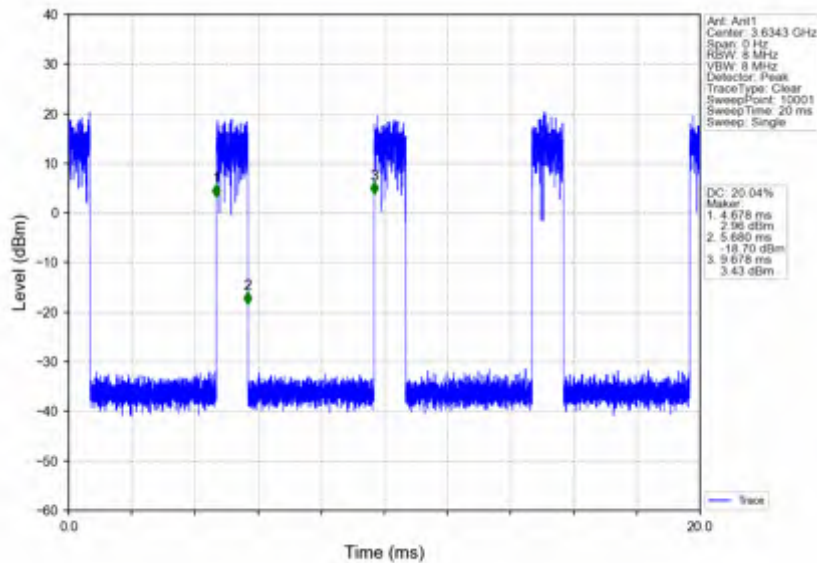
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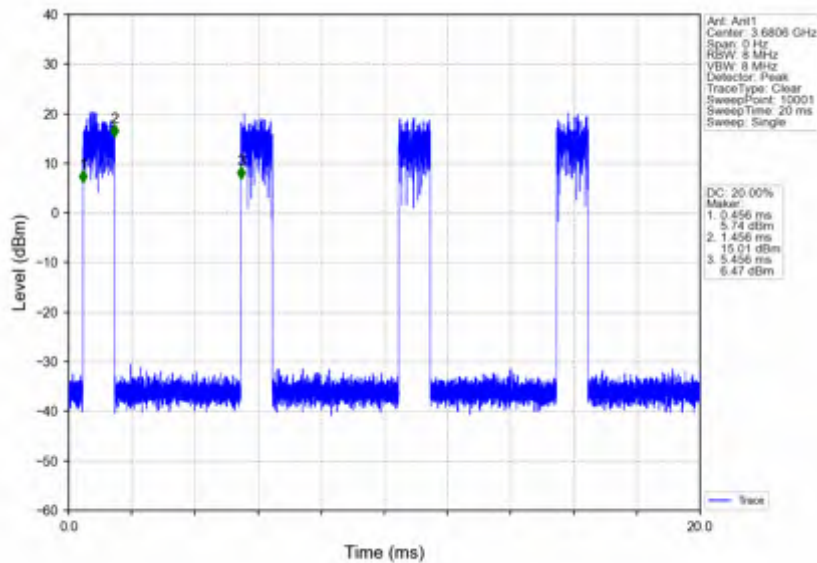
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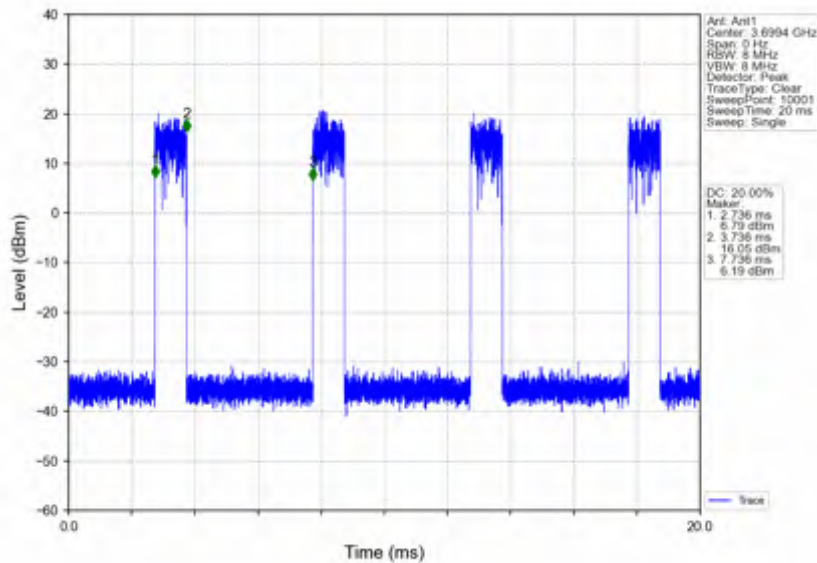
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 64 QAM\_3690MHz\_Edge\_1RB\_Left



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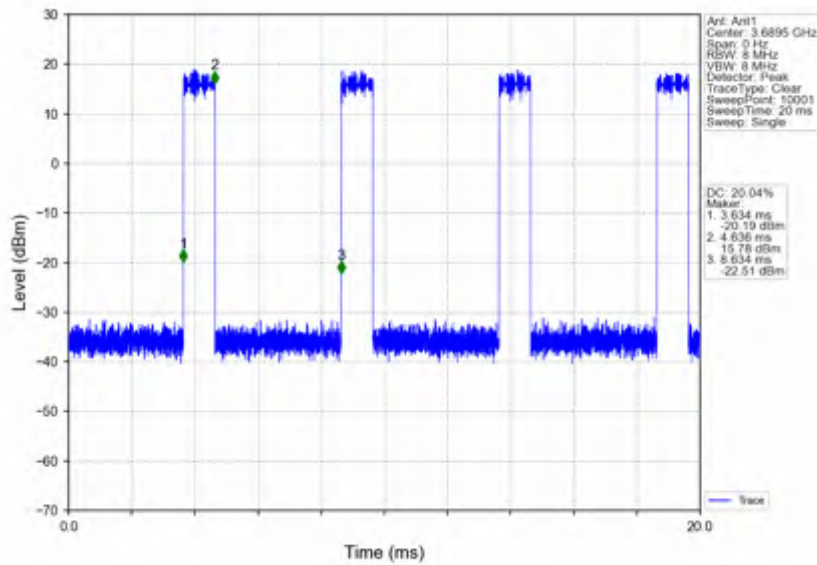
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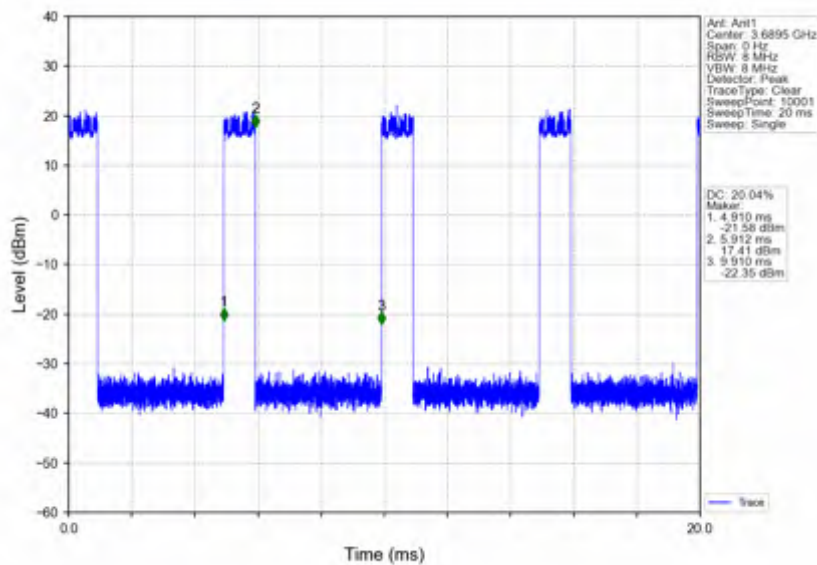
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 64 QAM\_3690MHz\_Outer\_Full



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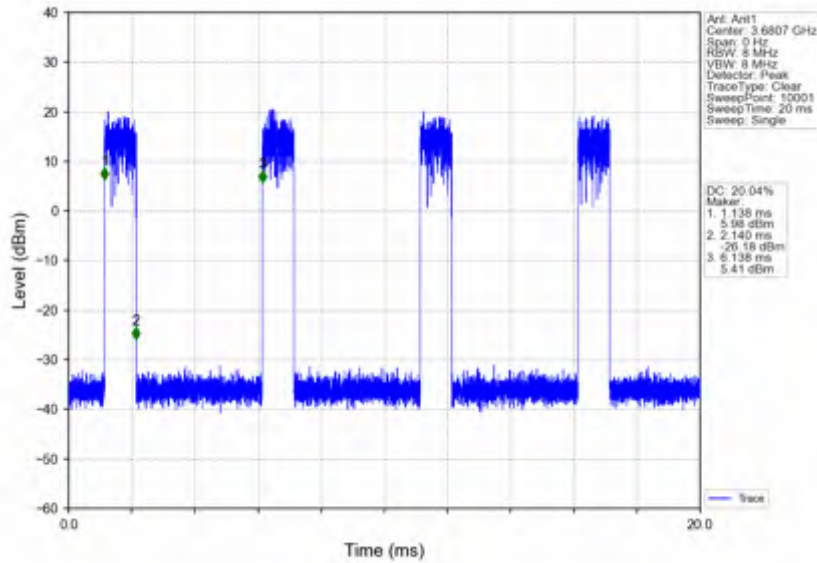


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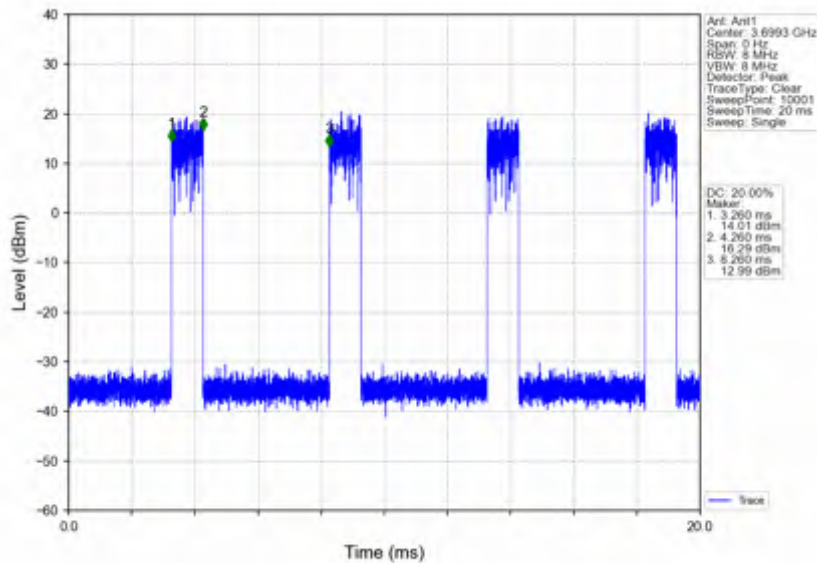
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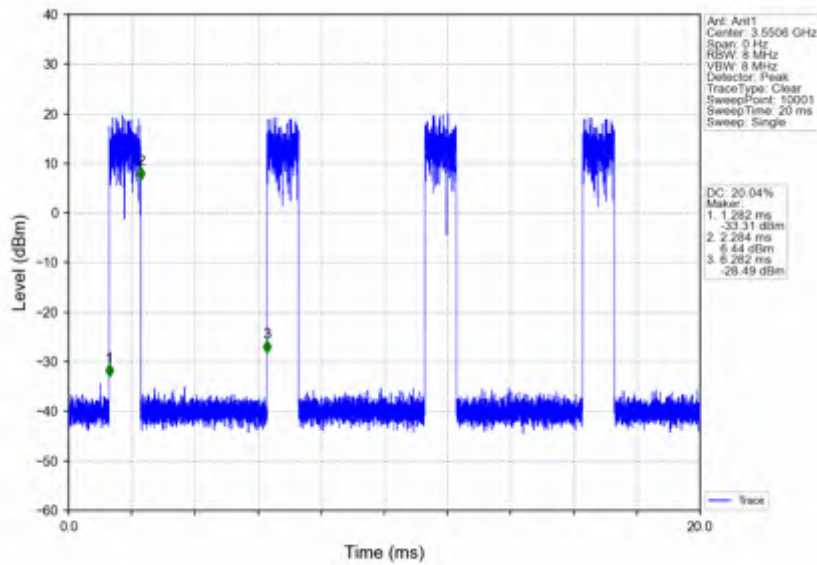


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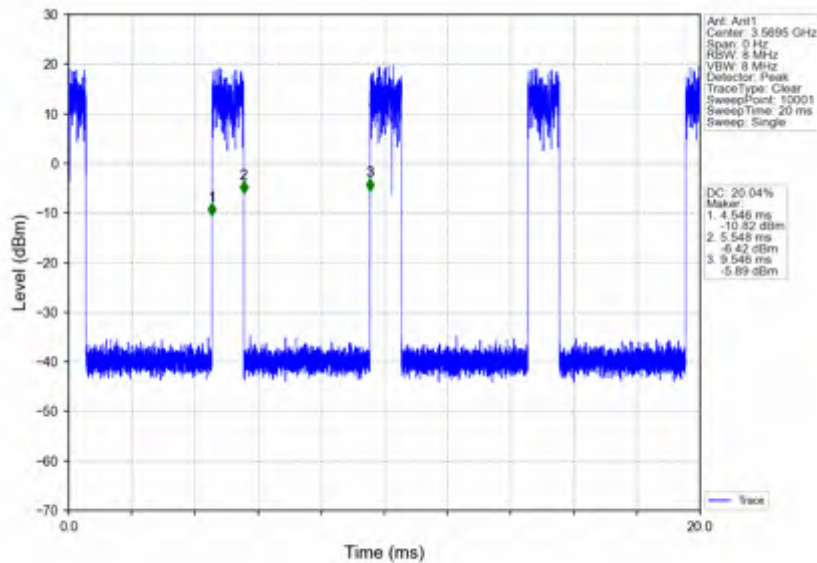
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_256\_QAM\_3560.01MHz\_Edge\_1RB\_Left



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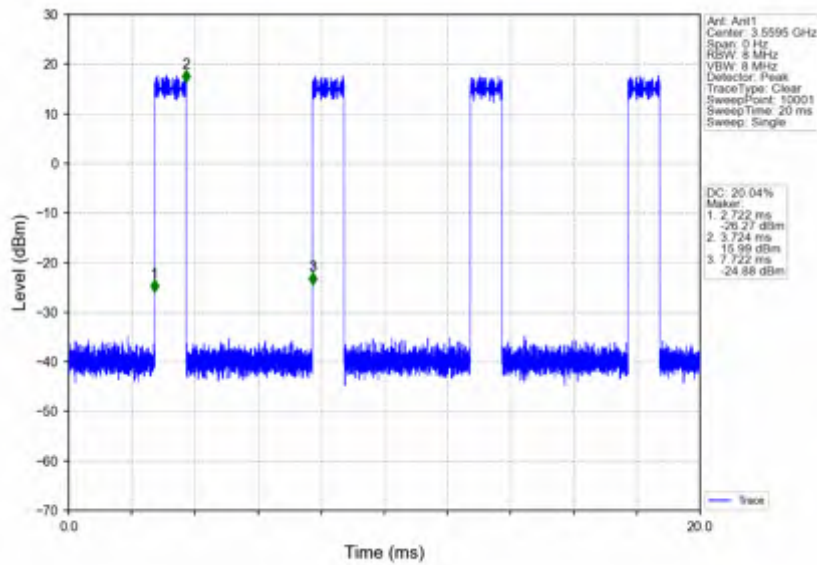
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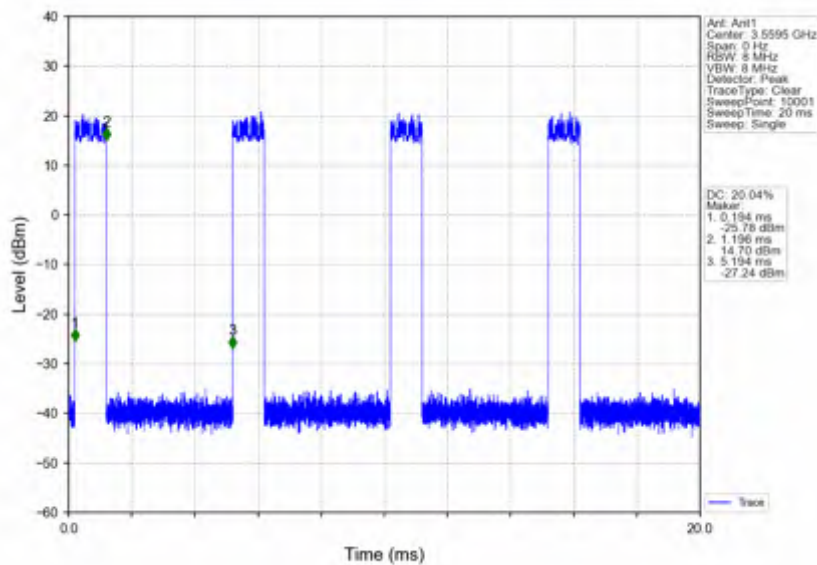
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_256\_QAM\_3560.01MHz\_Outer\_Full



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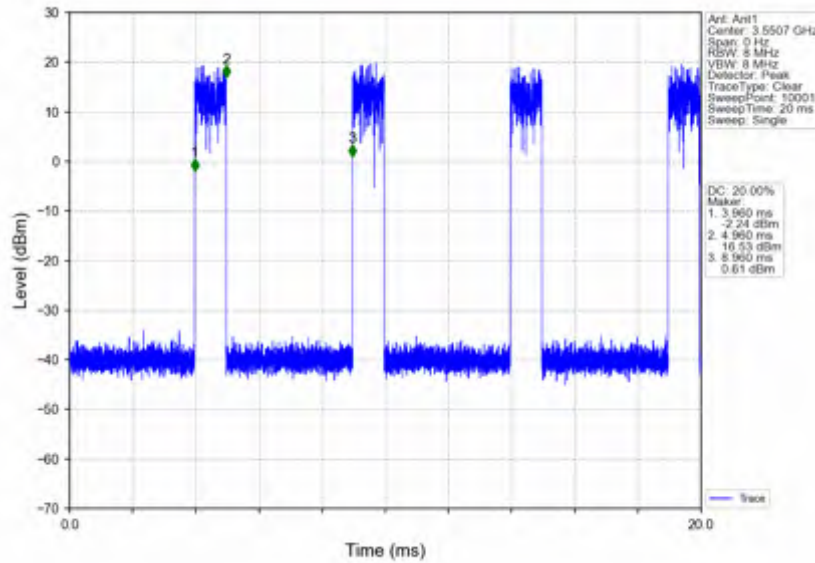
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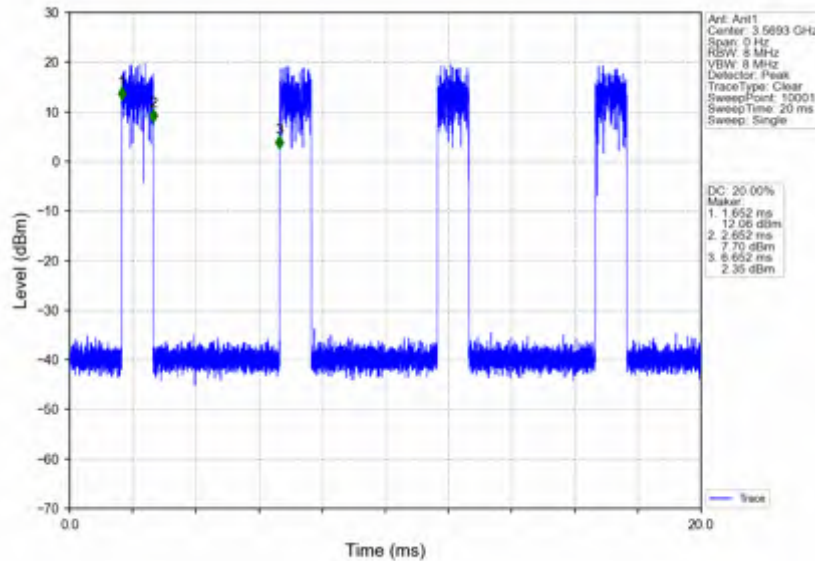
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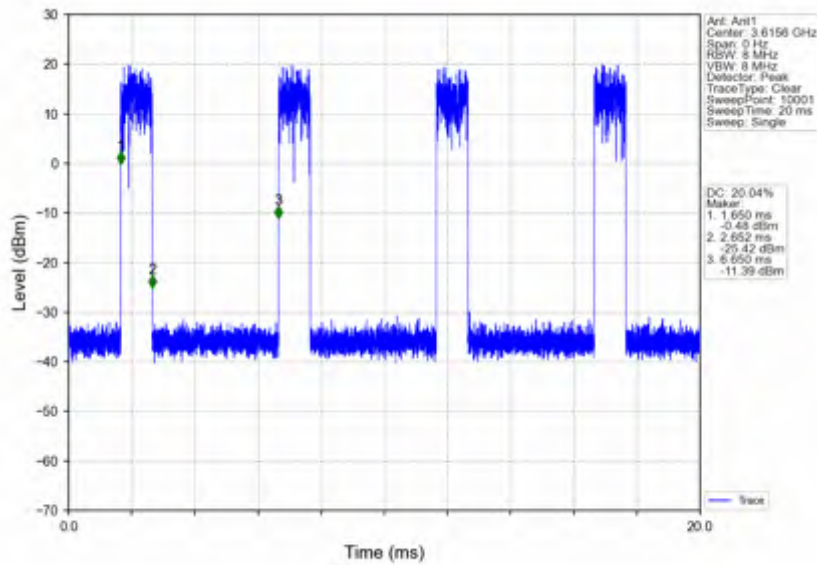
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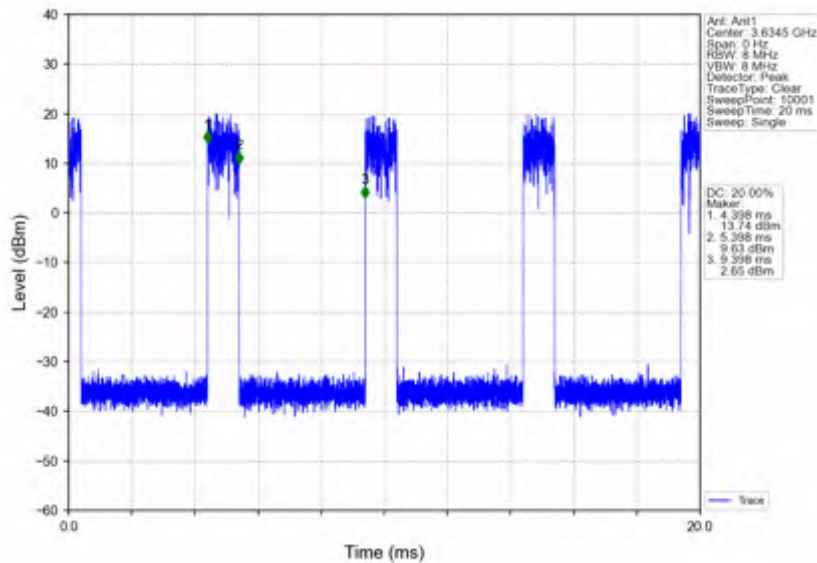
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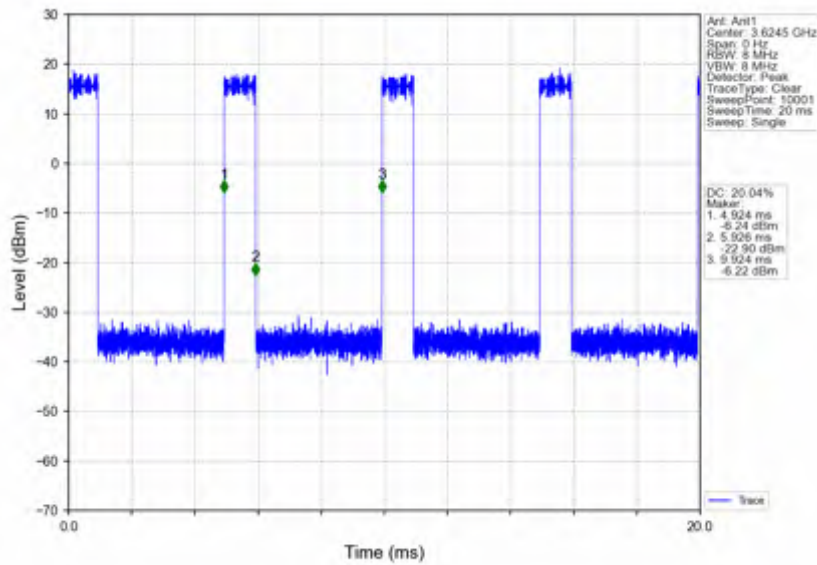
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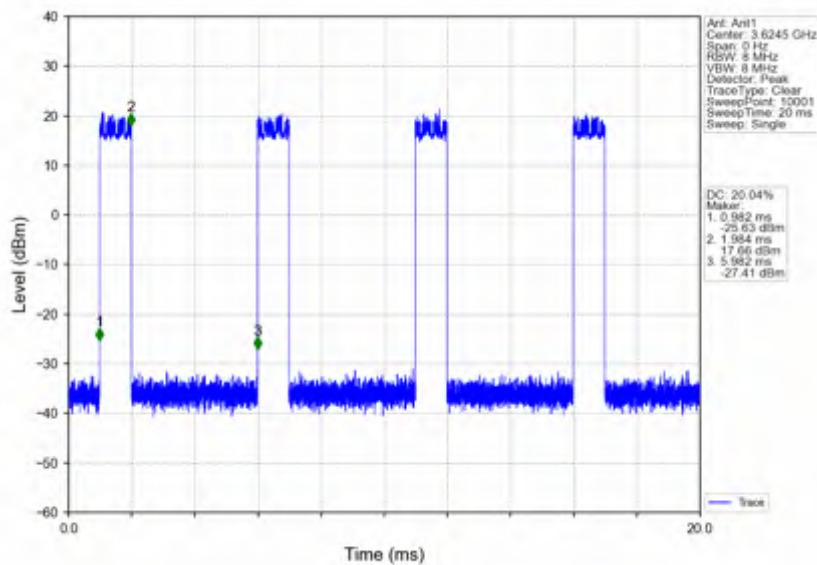
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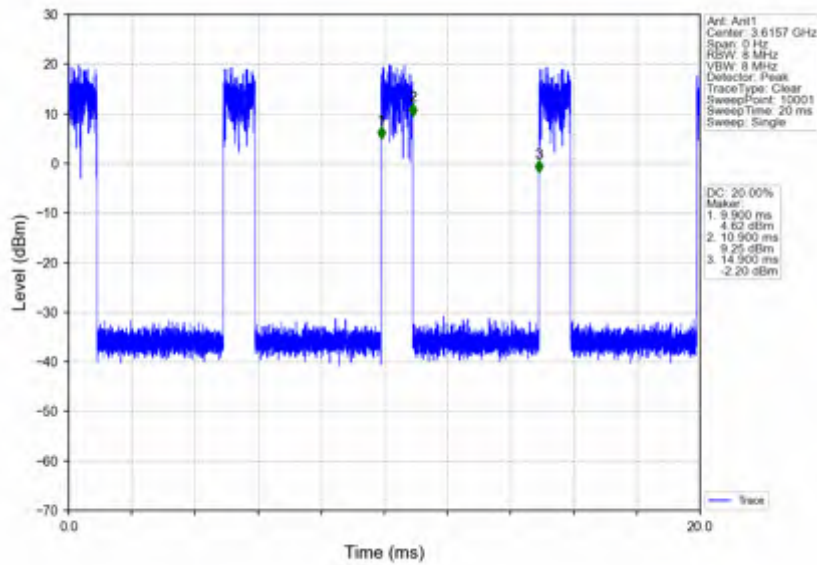
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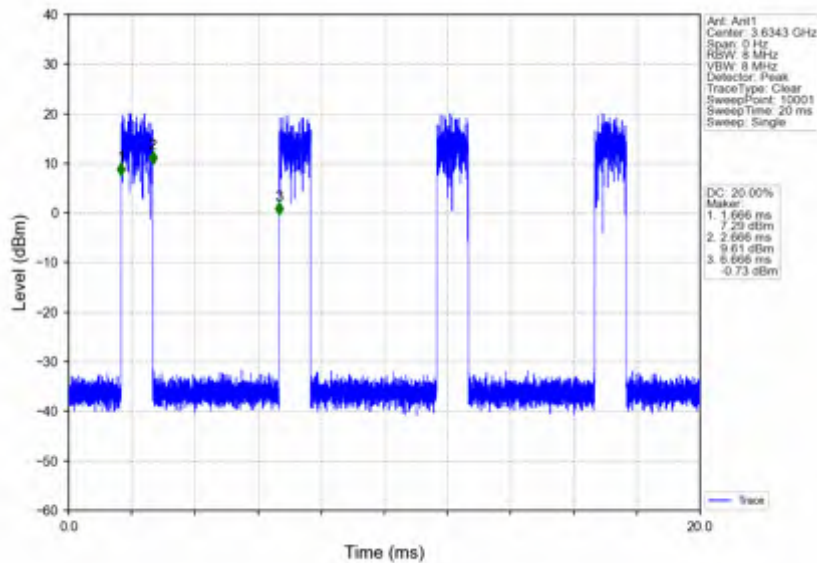
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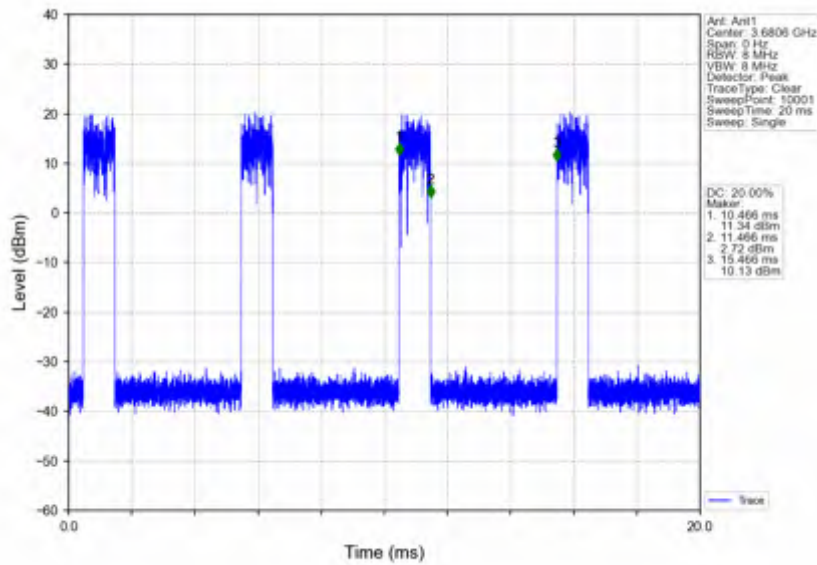
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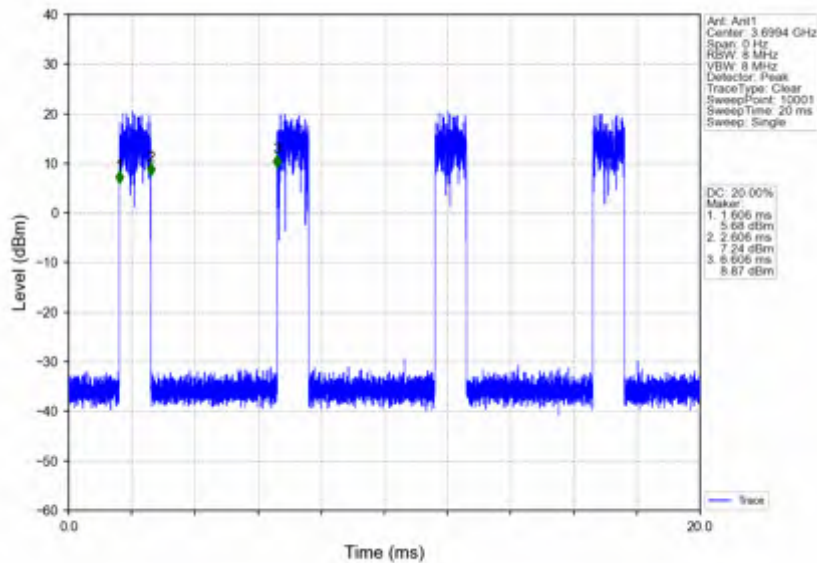
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 256 QAM\_3690MHz\_Edge\_1RB\_Left



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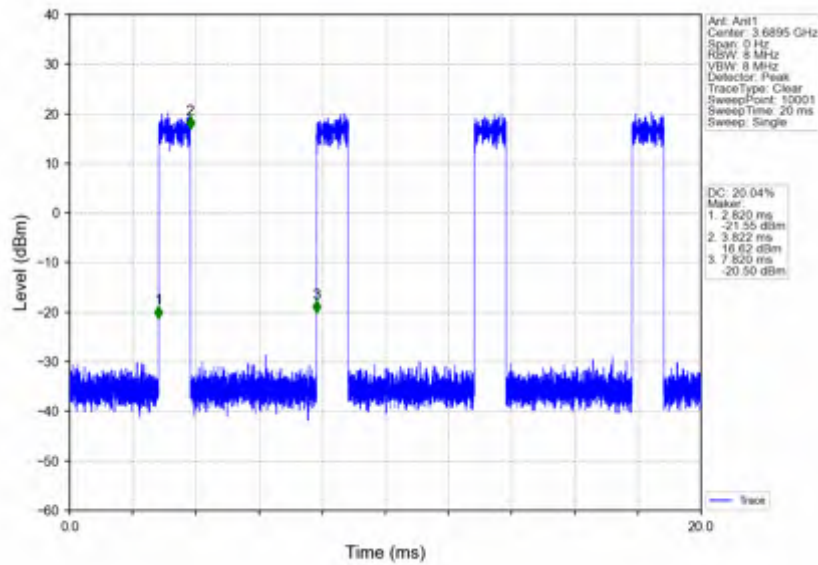


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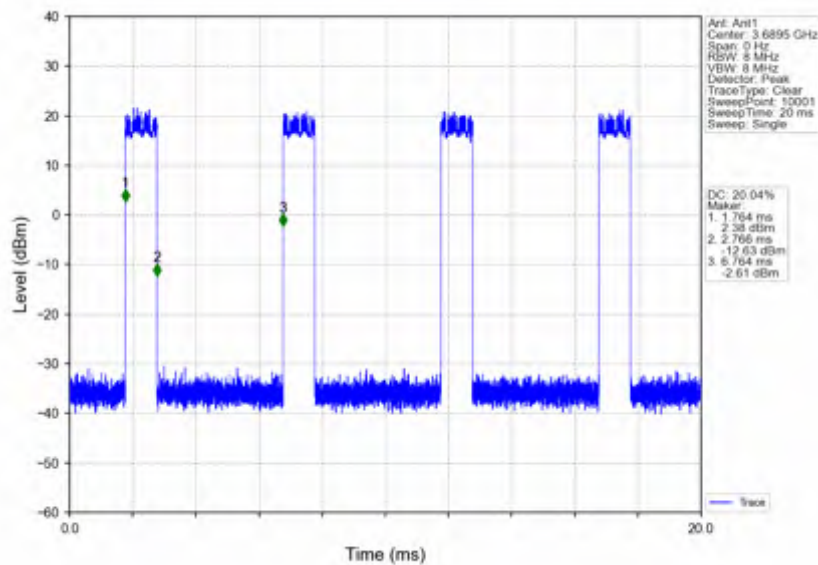
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_256\_QAM\_3690MHz\_Outer\_Full



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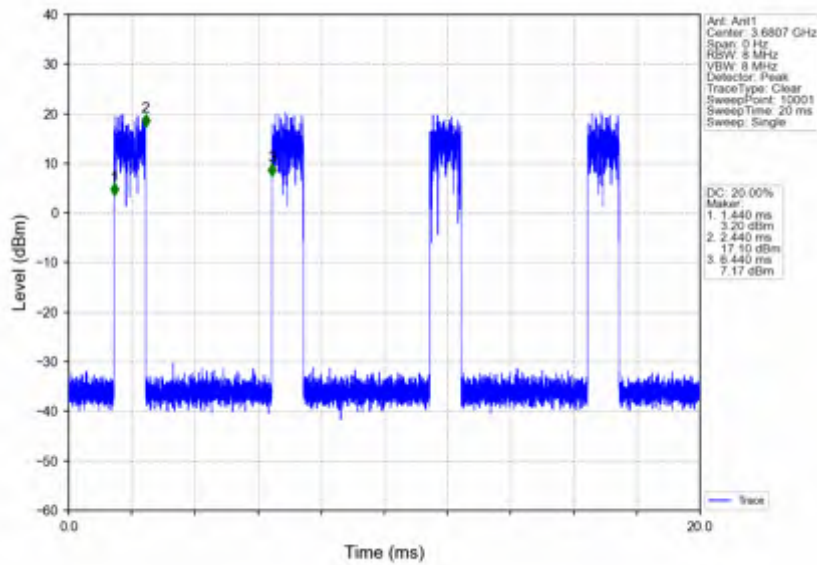
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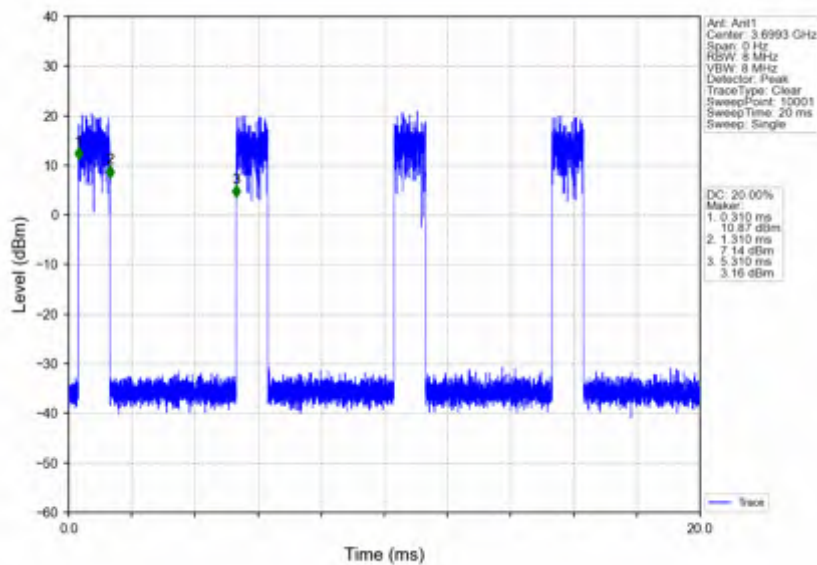
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 256 QAM\_3690MHz\_Inner\_1RB\_Left



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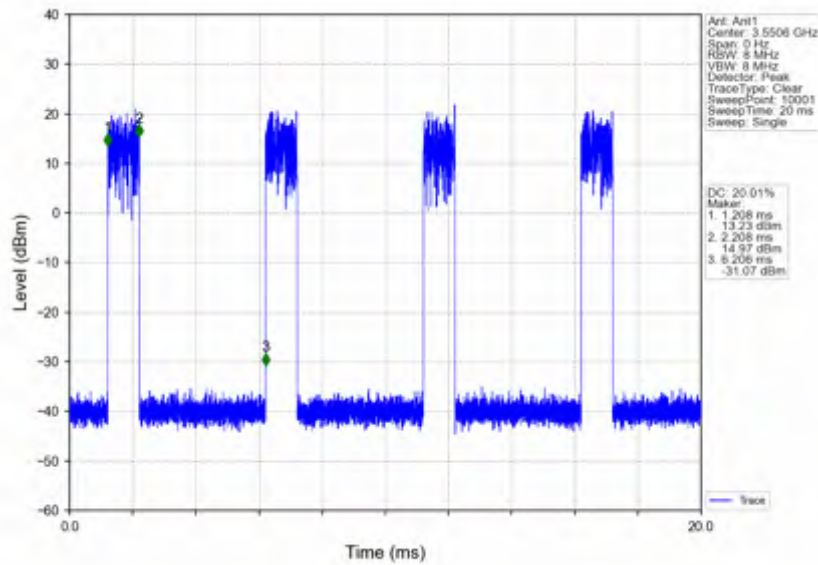
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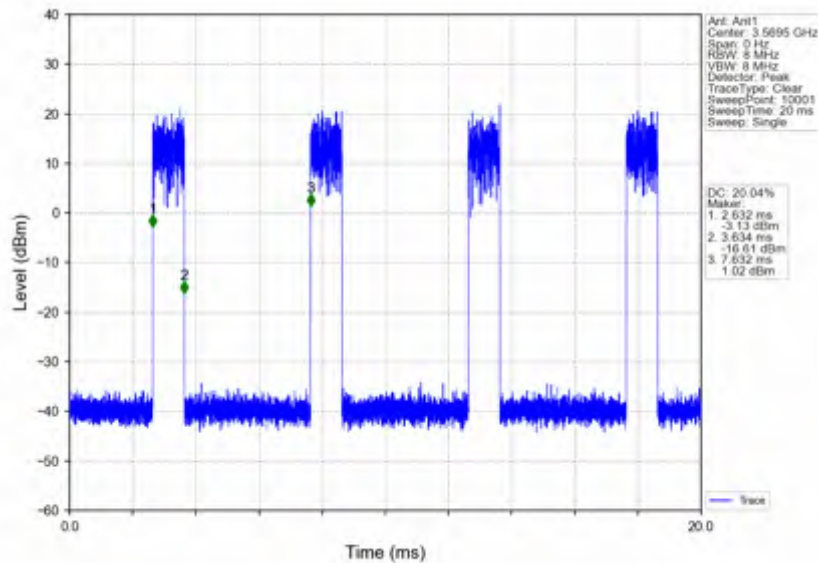
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n78d\_15kHz\_SISO\_NTV\_20MHz\_CP-OFDM QPSK\_3560.01MHz\_Edge\_1RB\_Left



n78d\_15kHz\_SISO\_NTV\_20MHz\_CP-OFDM QPSK\_3560.01MHz\_Edge\_1RB\_Right



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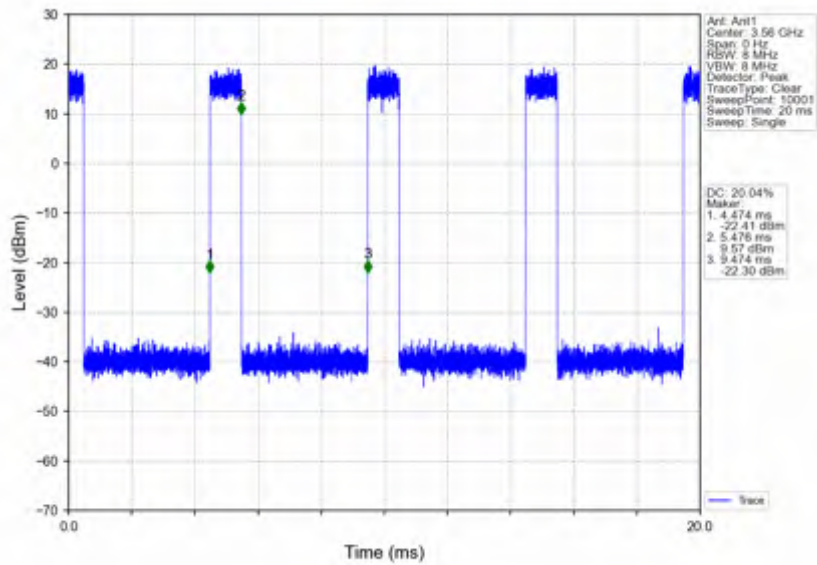
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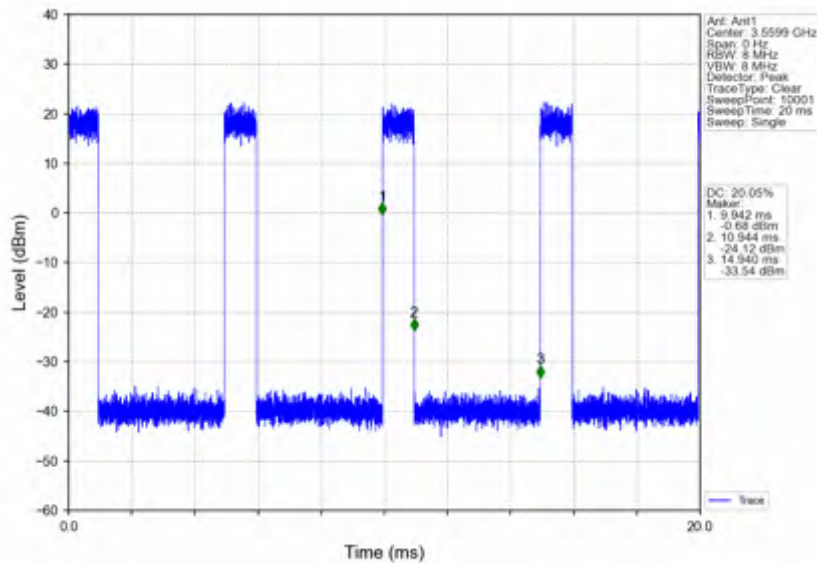
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM QPSK\_3560.01MHz\_Outer\_Full



n78d\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM QPSK\_3560.01MHz\_Inner\_Full



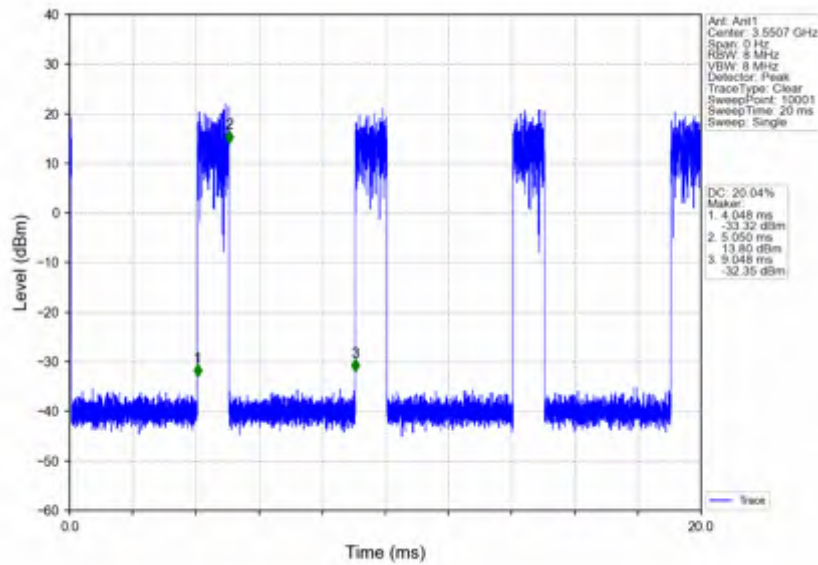
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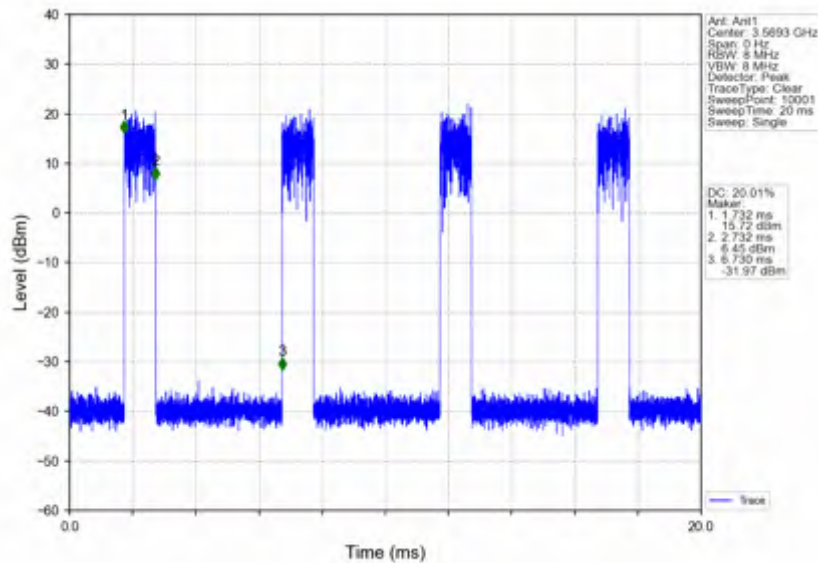
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n78d\_15kHz\_SISO\_NTV\_20MHz\_CP-OFDM QPSK\_3560.01MHz\_Inner\_1RB\_Left



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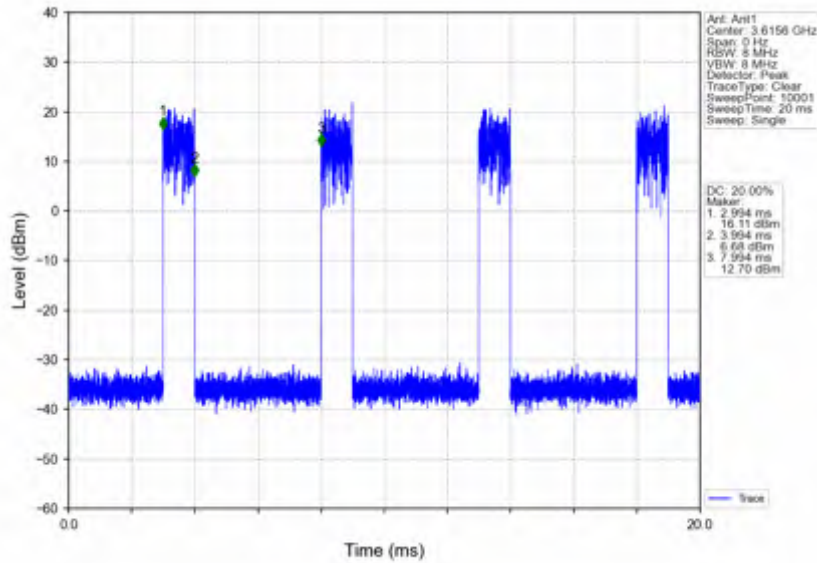
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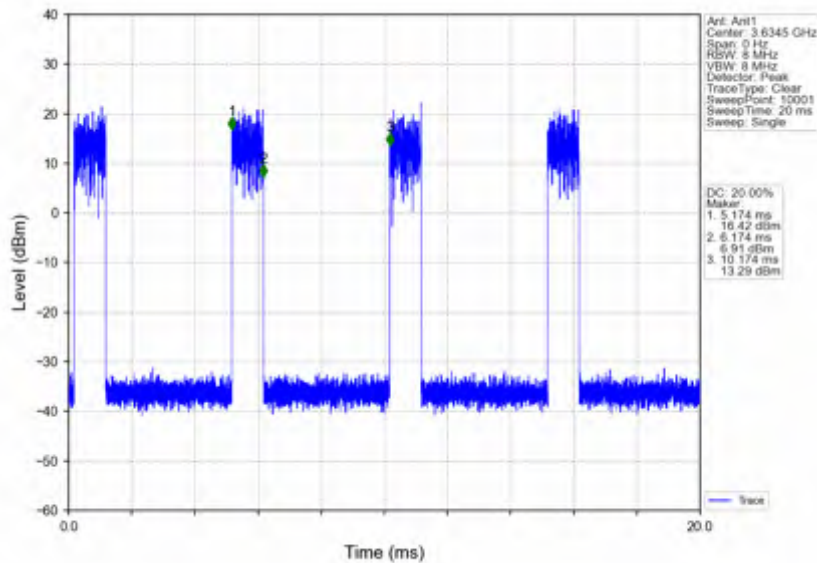
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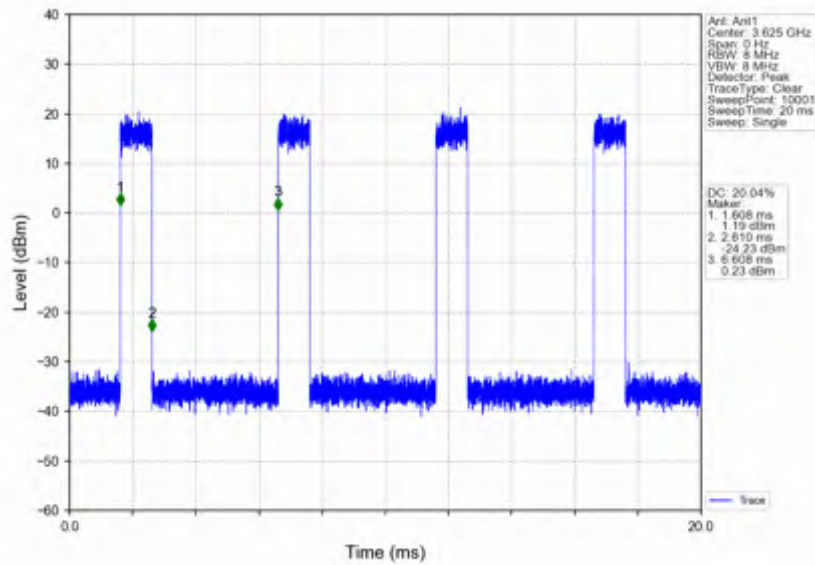


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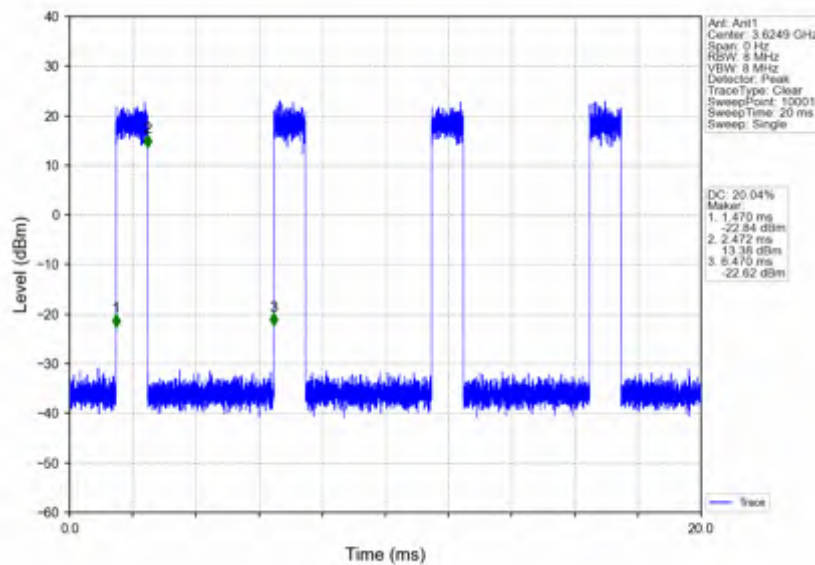
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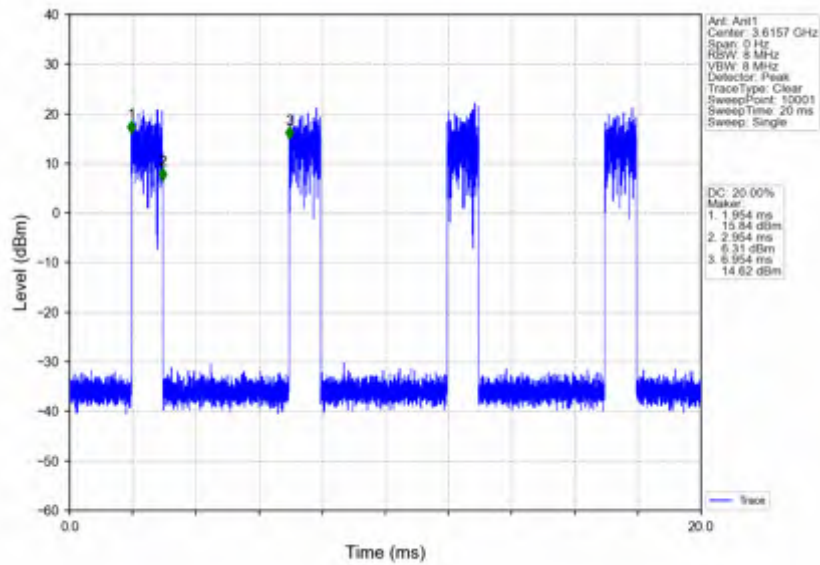
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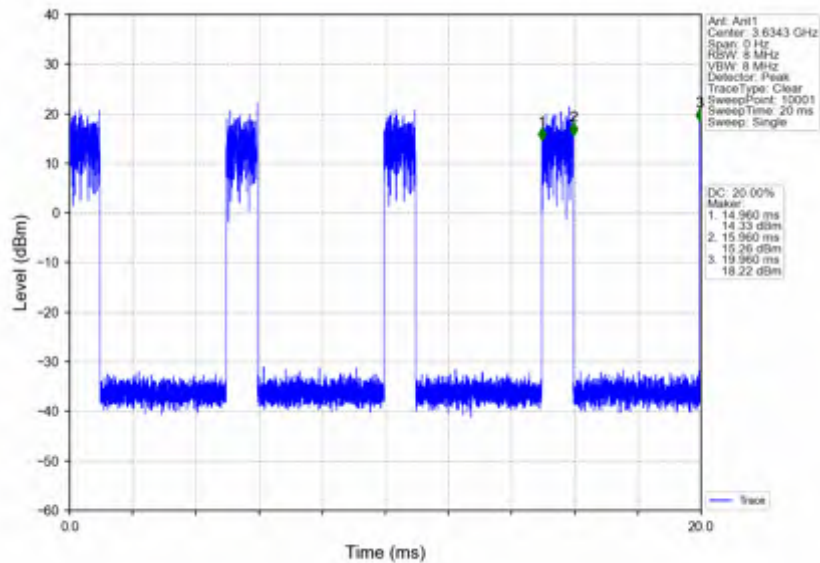
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_3625.005MHz\_Inner\_1RB\_Left



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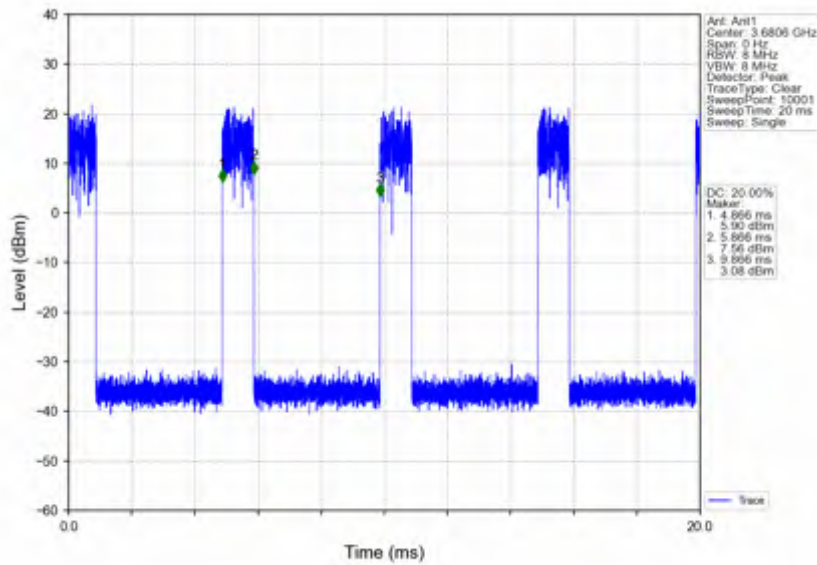
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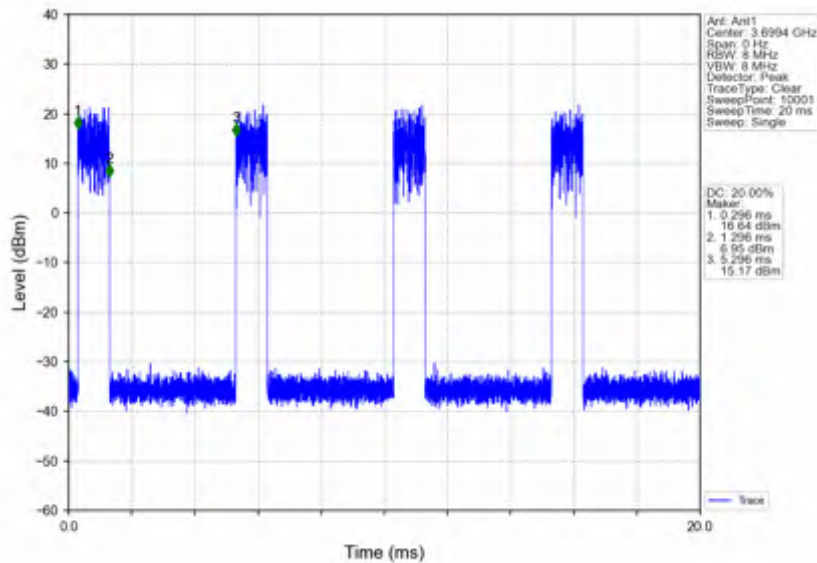
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_3690MHz\_Edge\_1RB\_Left



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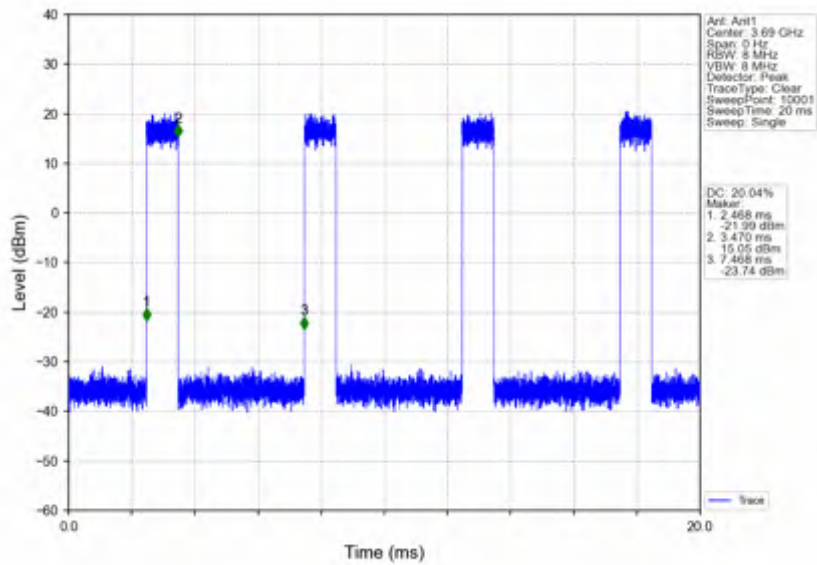


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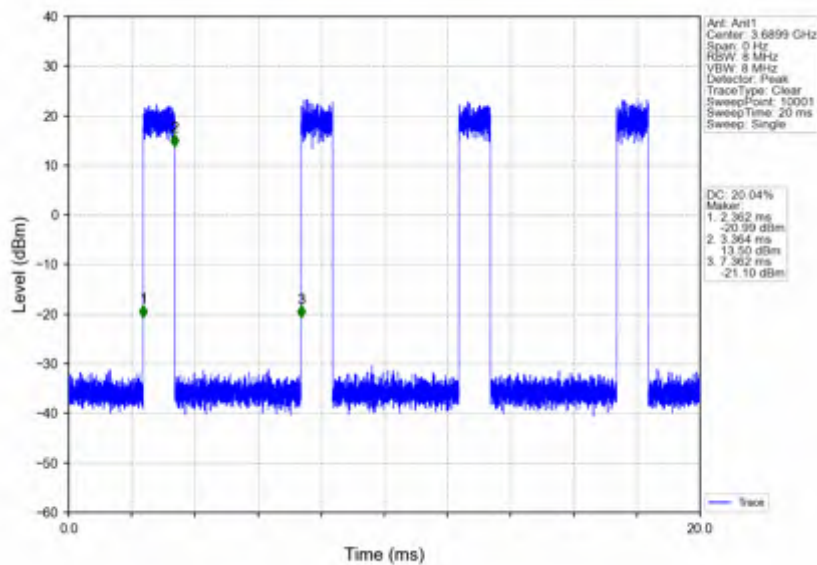
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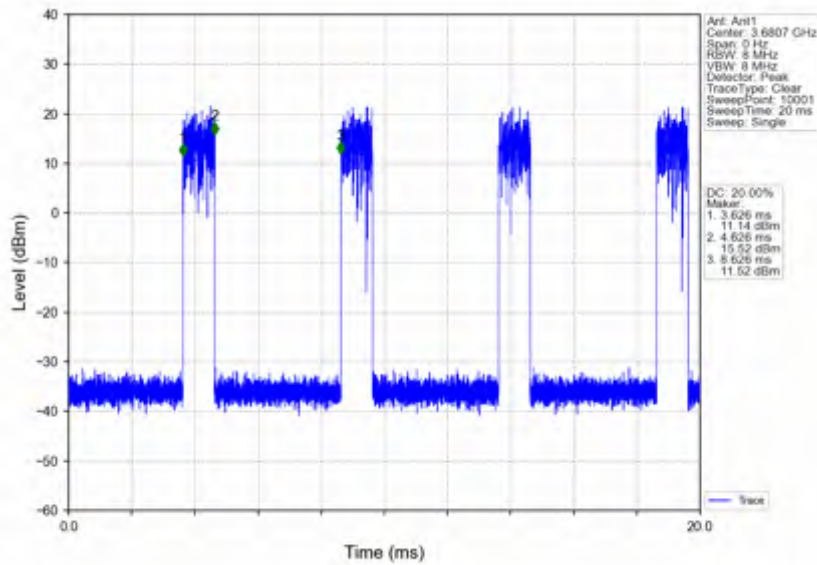
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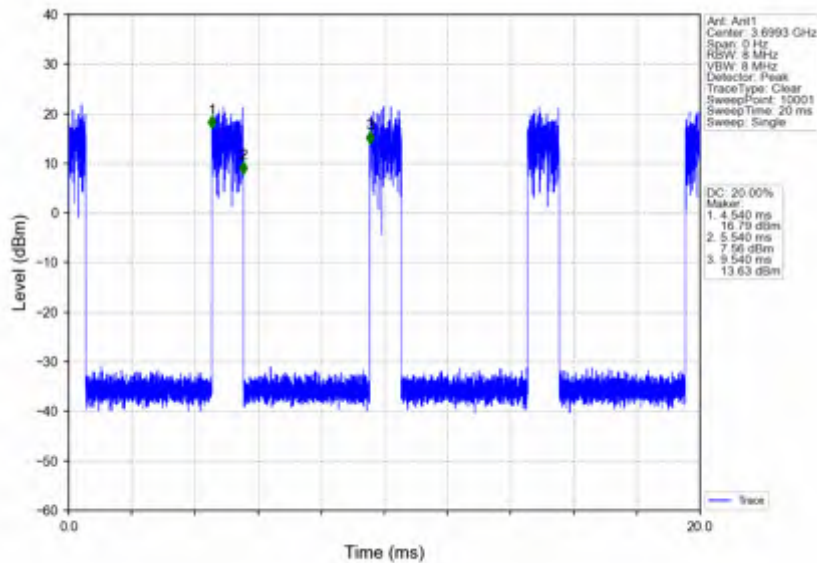
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM QPSK\_3690MHz\_Inner\_1RB\_Left



n78d\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM QPSK\_3690MHz\_Inner\_1RB\_Right



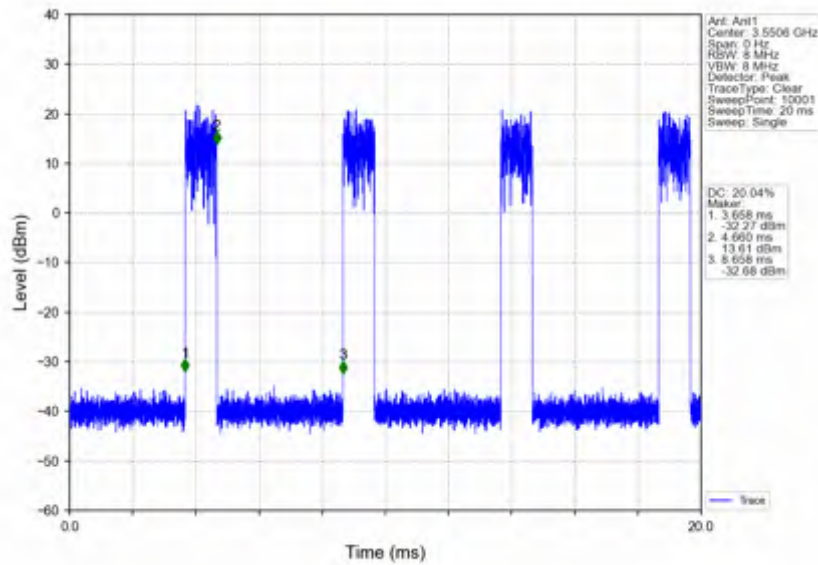
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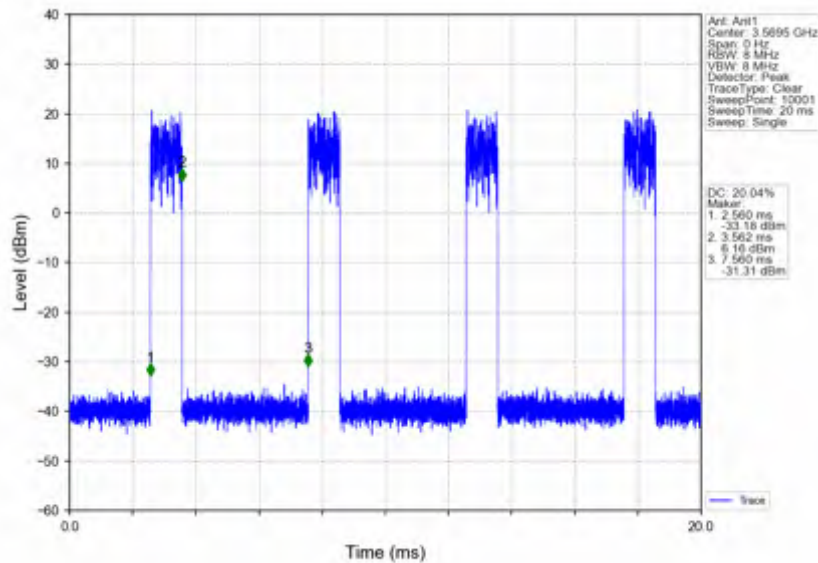
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 16 QAM\_3560.01MHz\_Edge\_1RB\_Left



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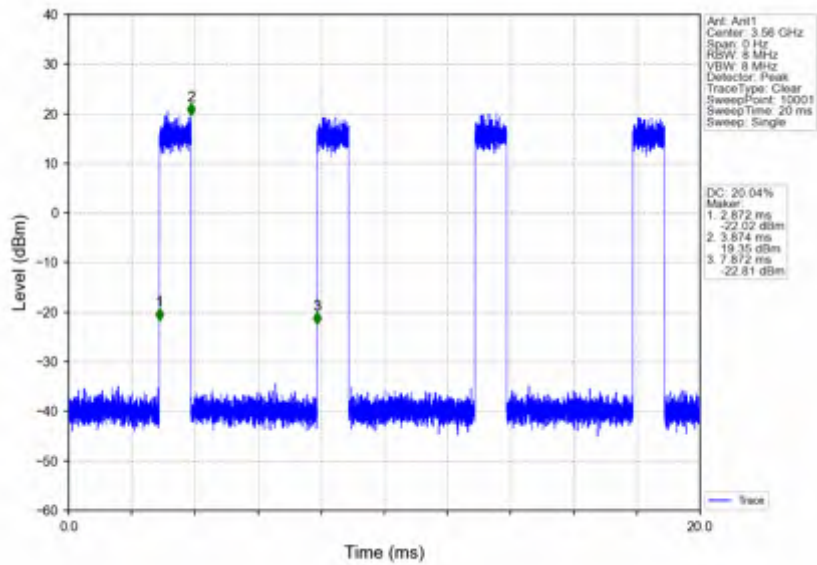
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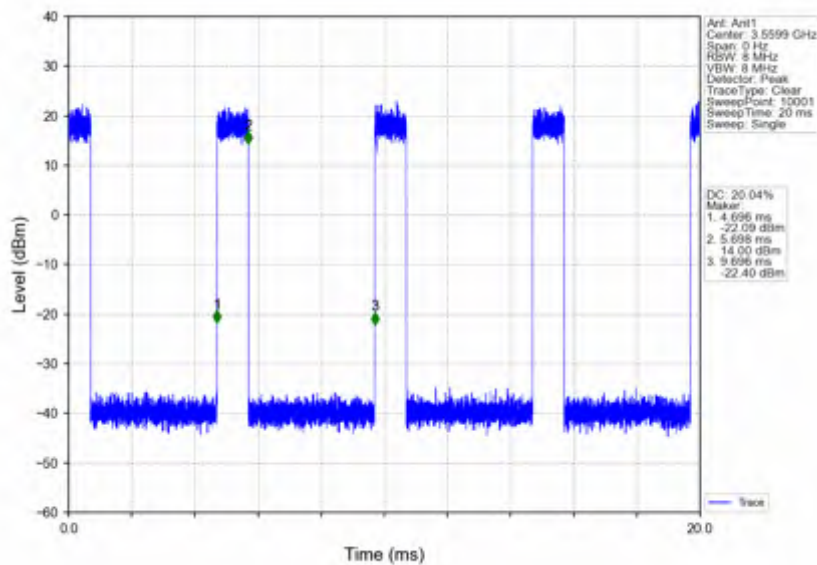
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n78d\_15kHz\_SISO\_NTV\_20MHz\_CP-OFDM 16 QAM\_3560.01MHz\_Outer\_Full



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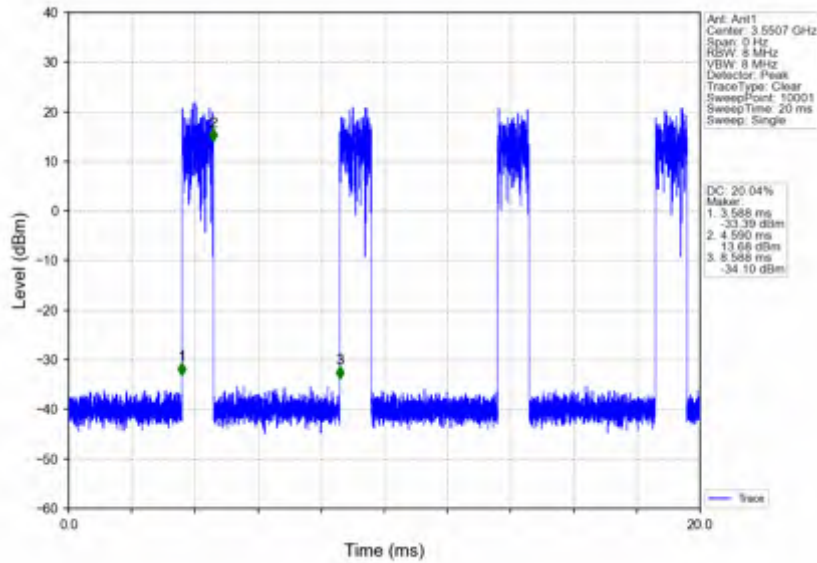


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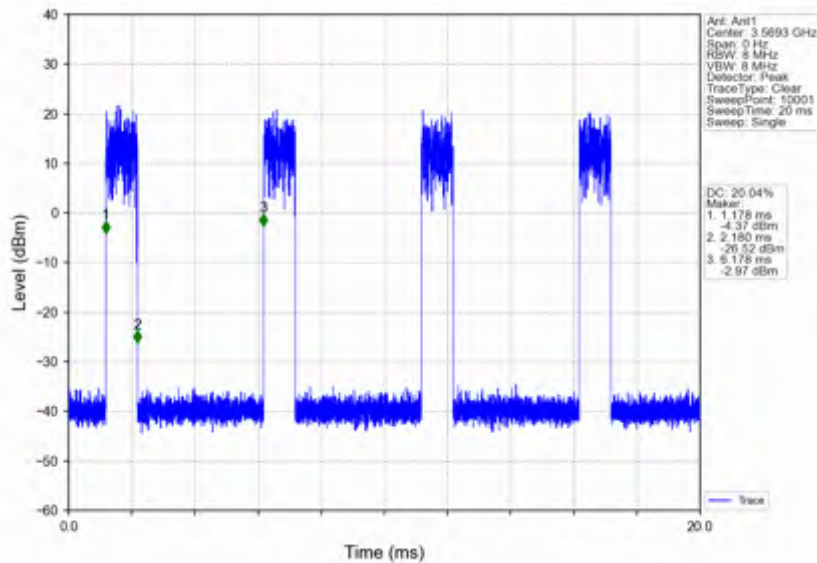
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 16 QAM\_3560.01MHz\_Inner\_1RB\_Left



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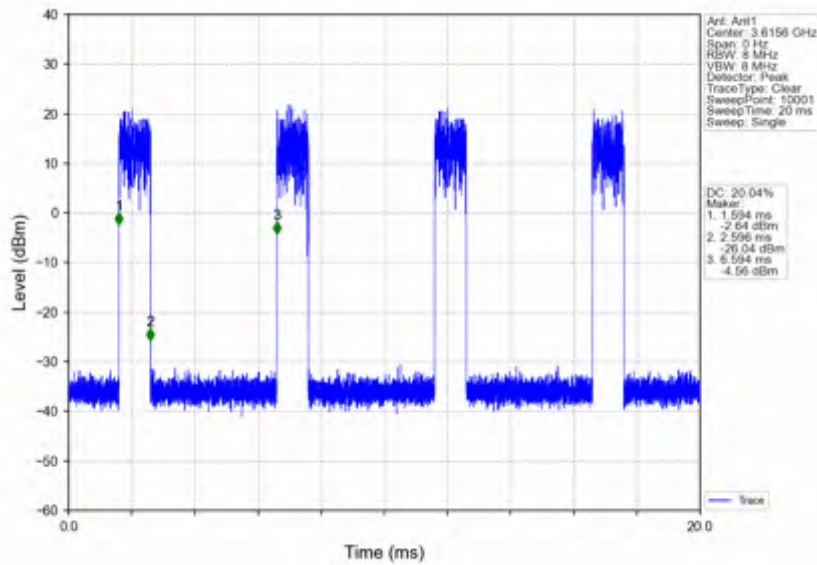


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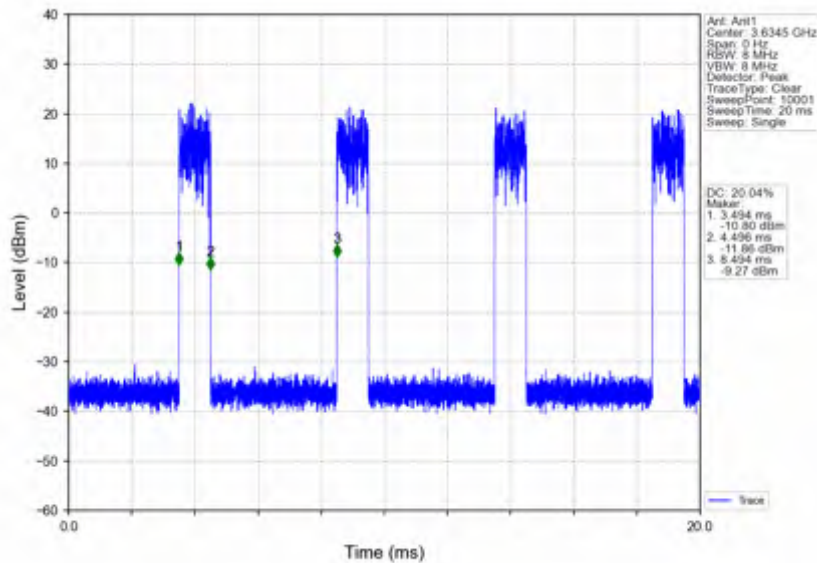
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_16 QAM\_3625.005MHz\_Edge\_1RB\_Left



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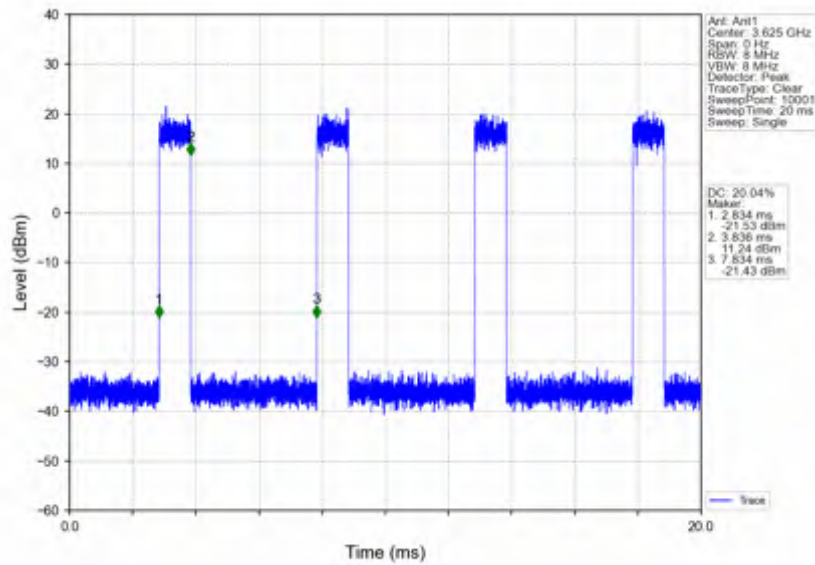


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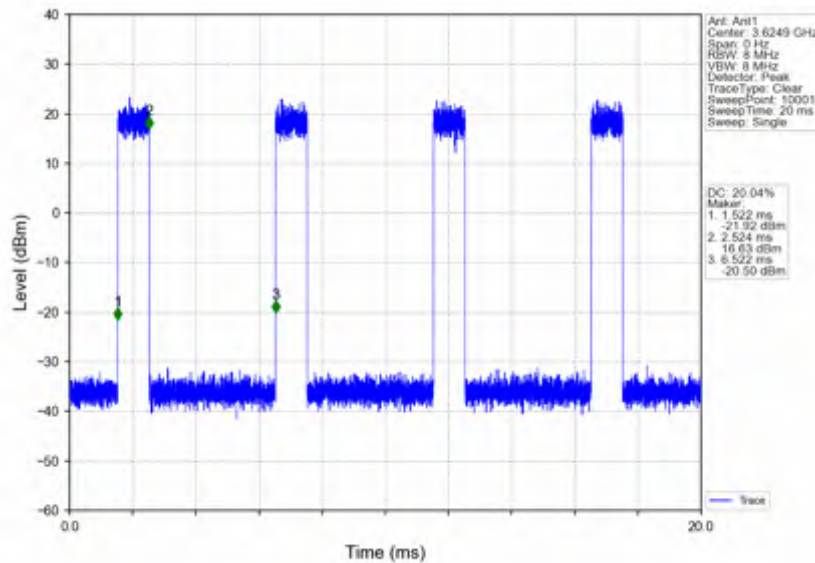
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 16 QAM\_3625.005MHz\_Outer\_Full



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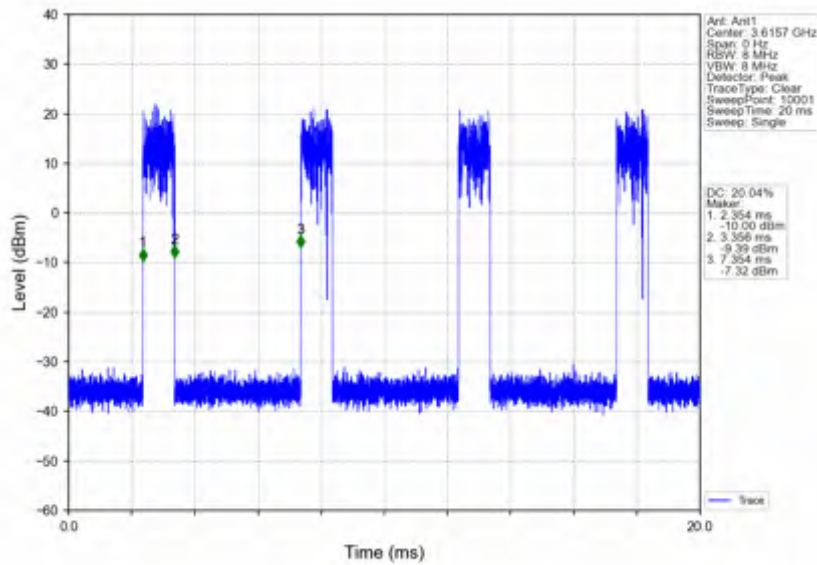
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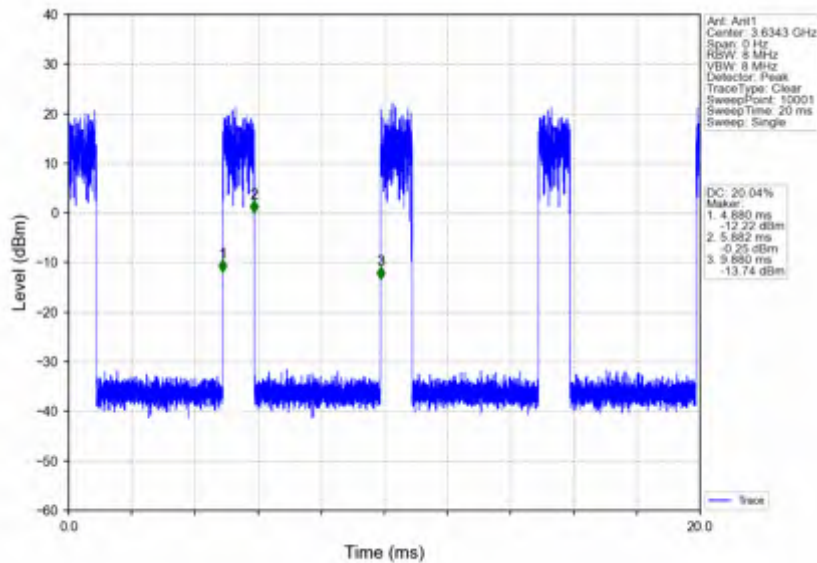
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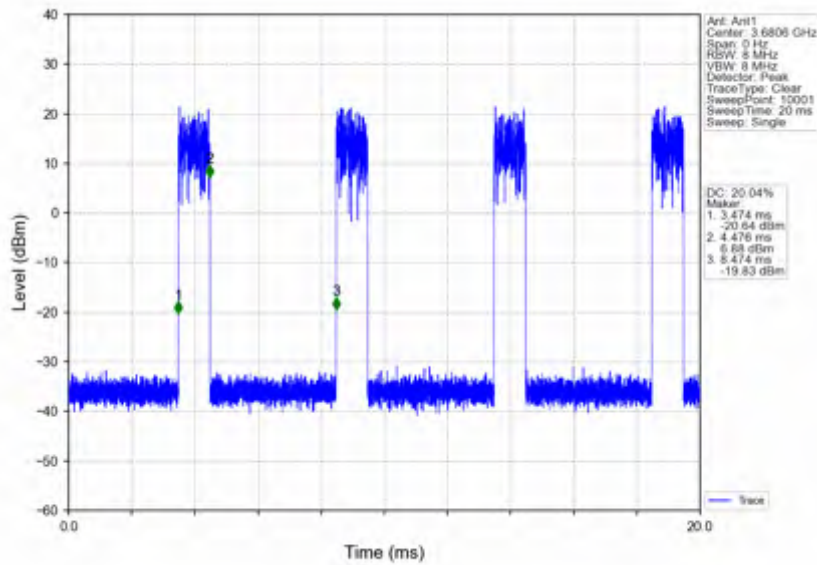


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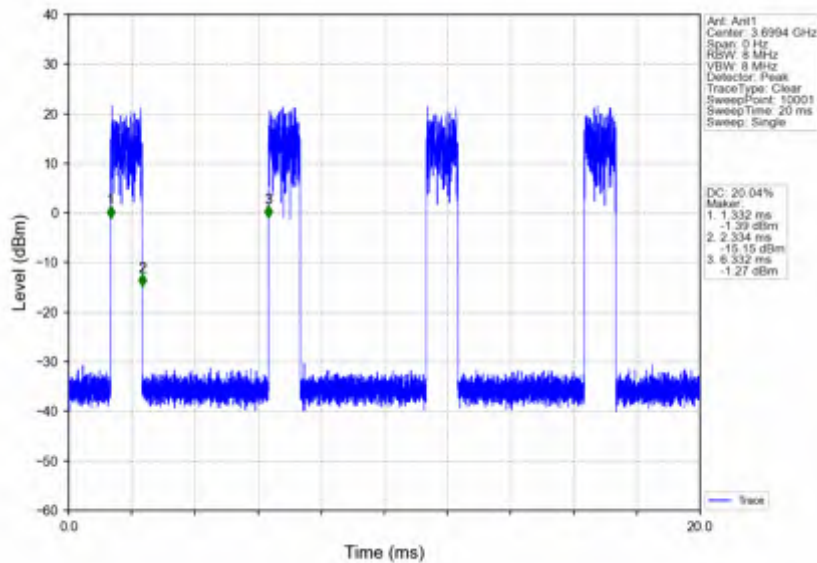
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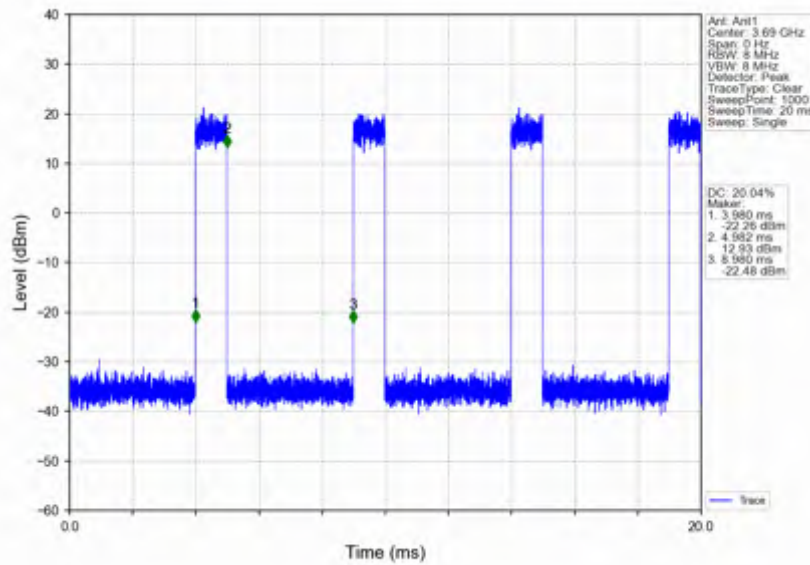
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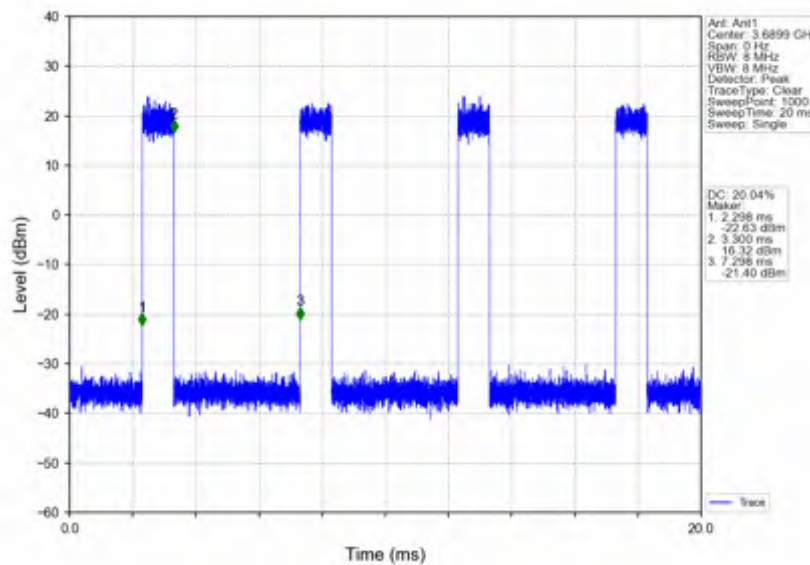
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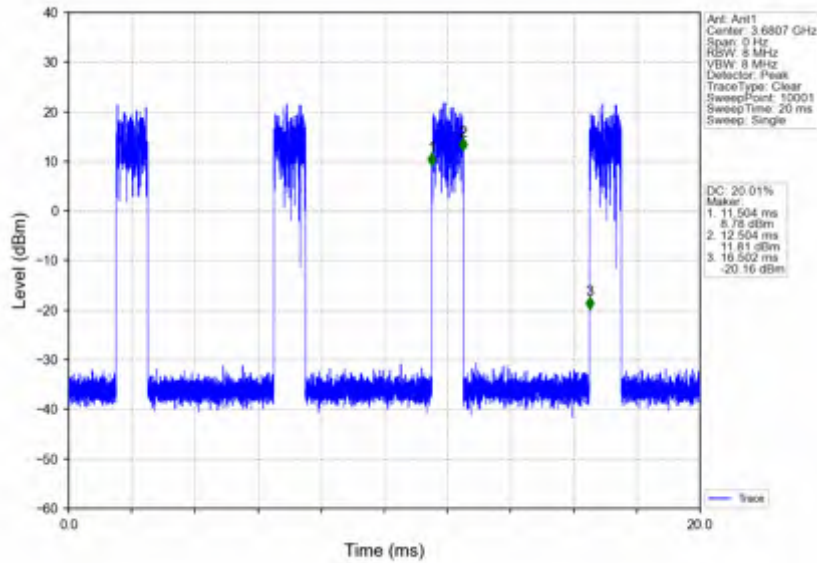
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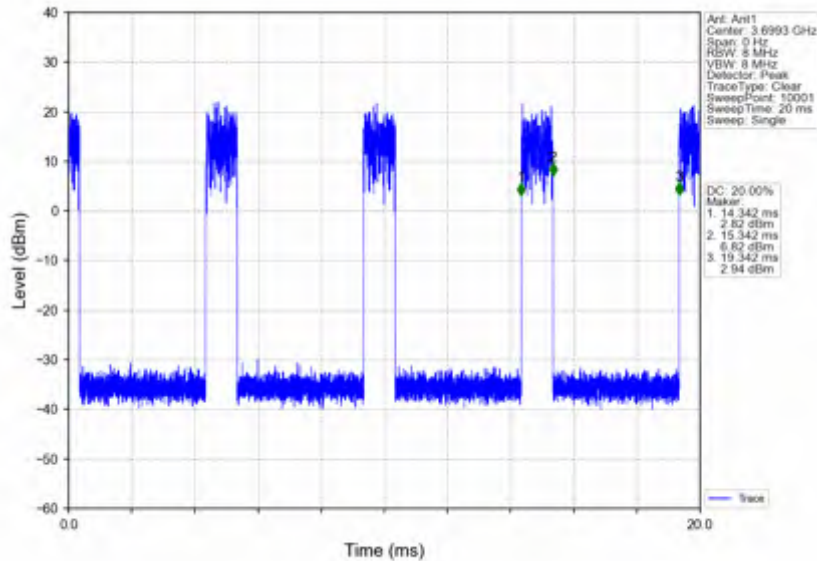
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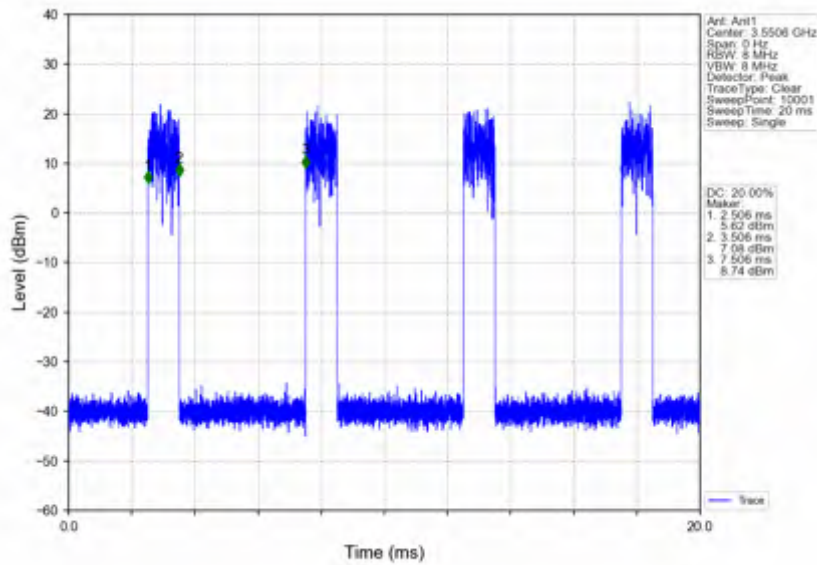


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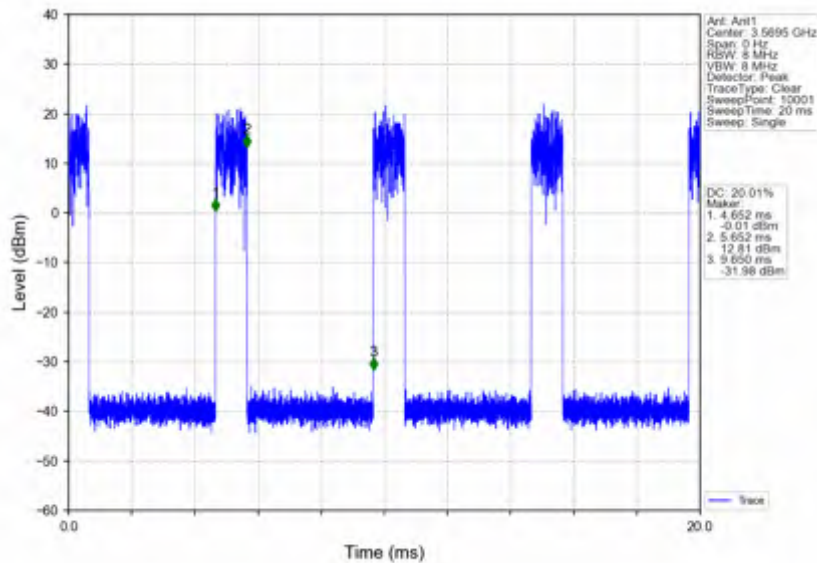
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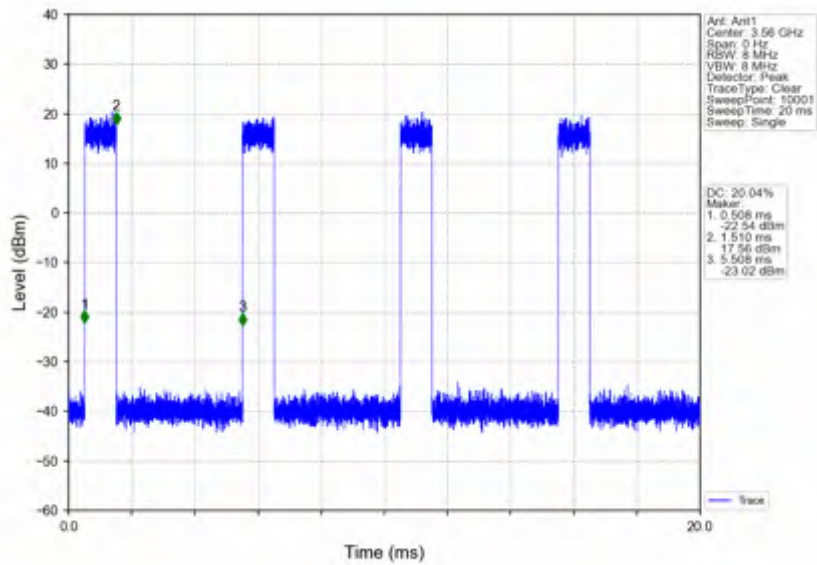


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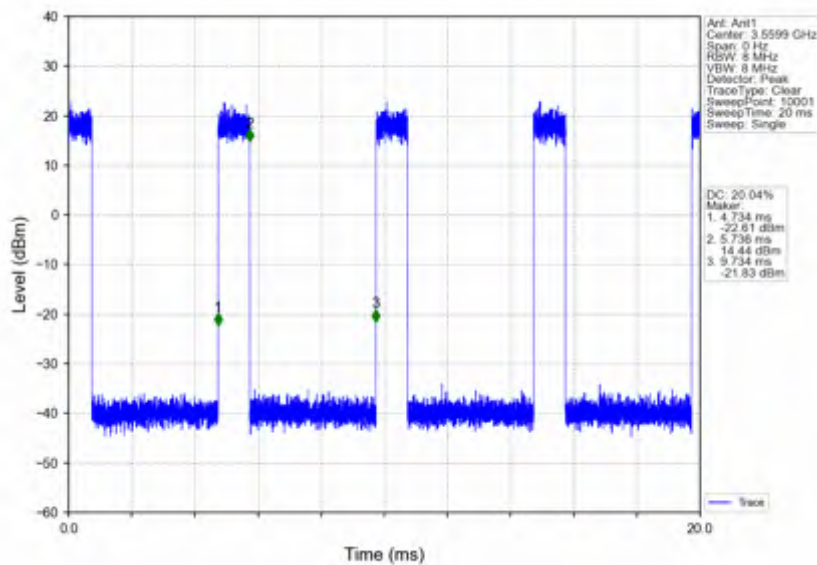
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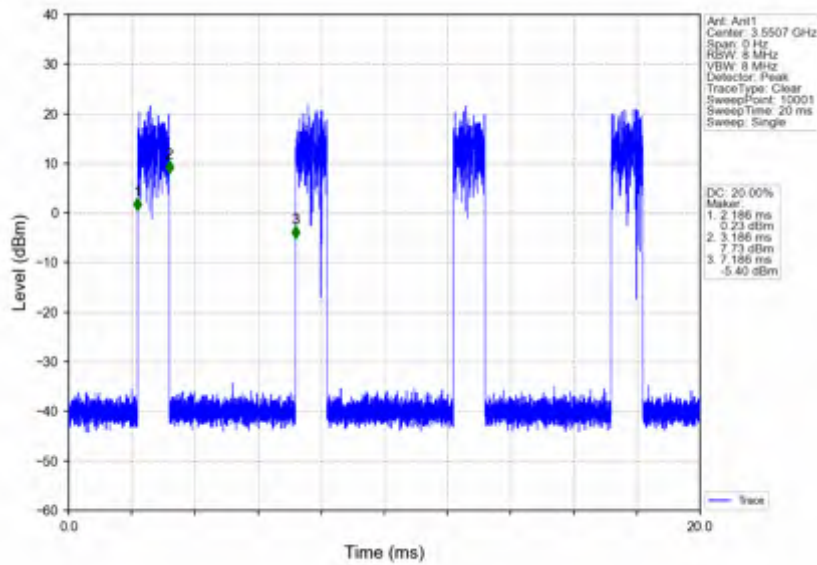


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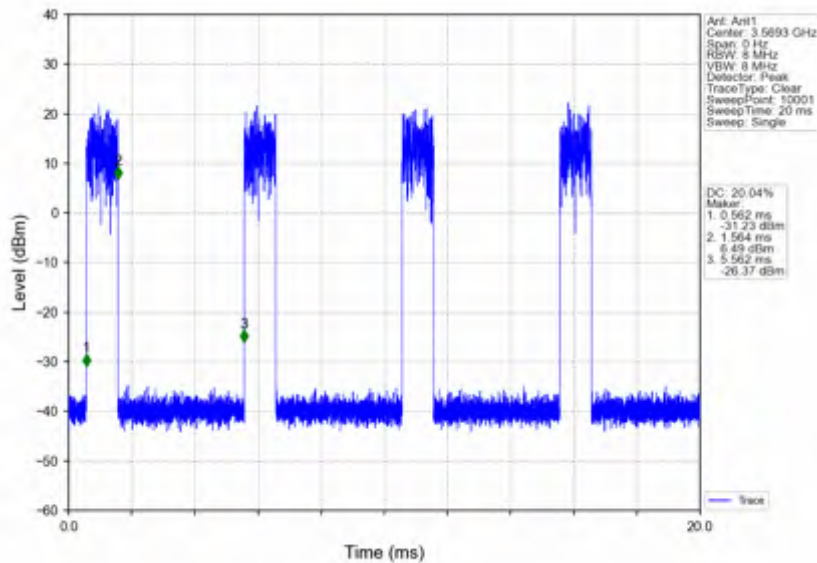
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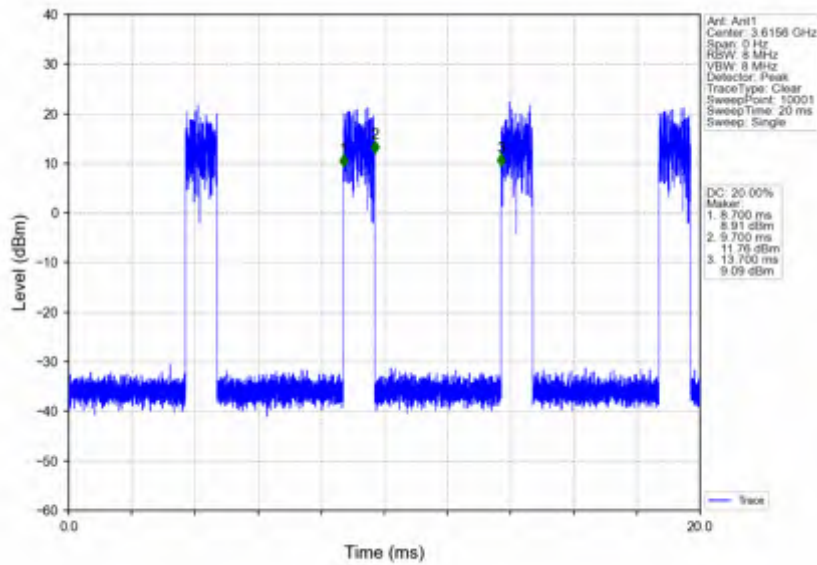


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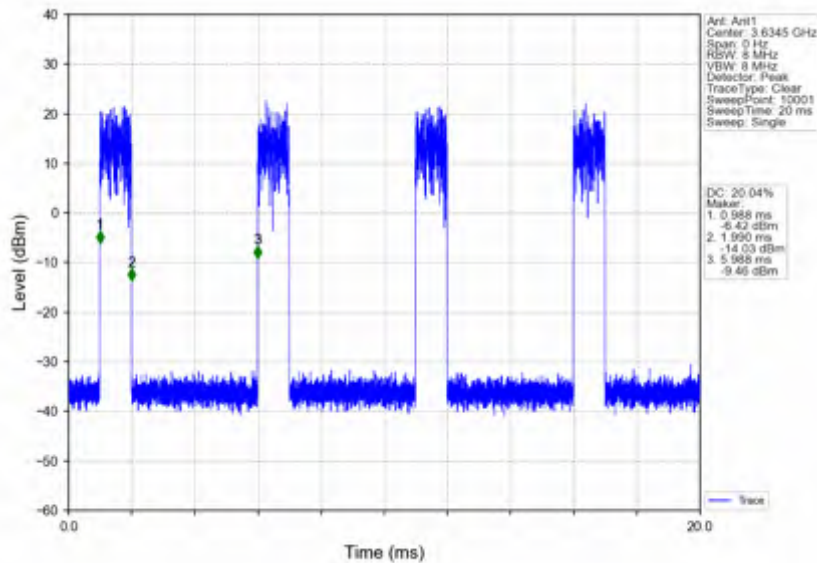
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 64 QAM\_3625.005MHz\_Edge\_1RB\_Left



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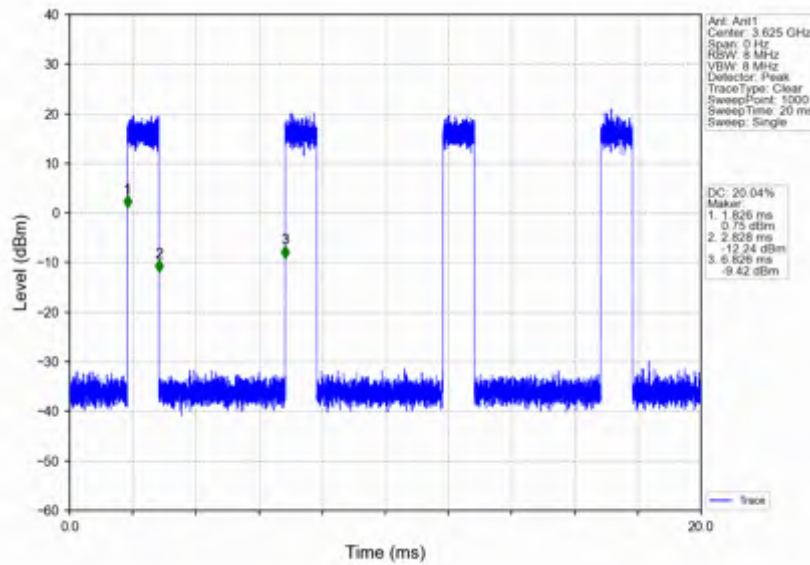


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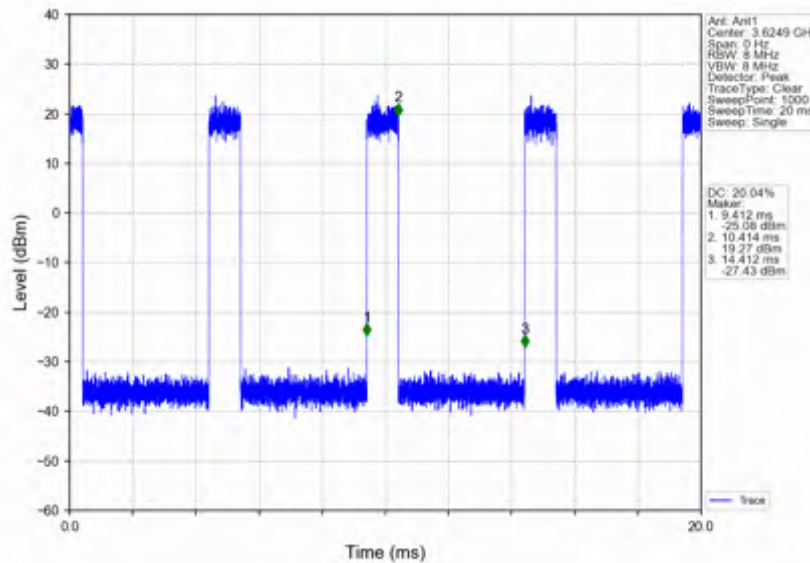
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 64 QAM\_3625.005MHz\_Outer\_Full



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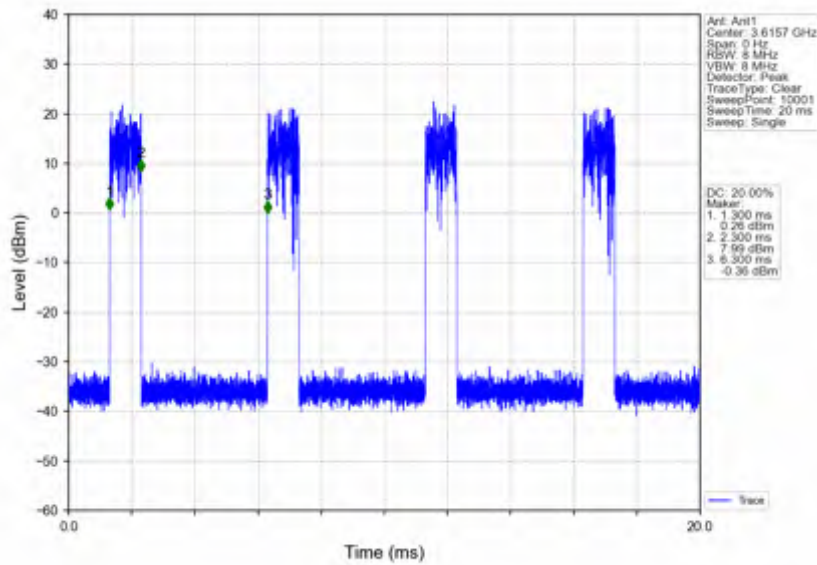
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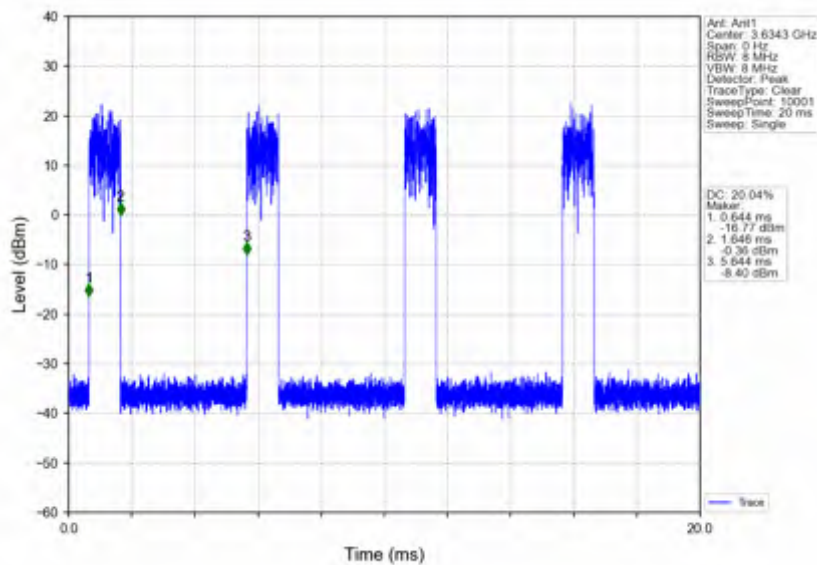
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 64 QAM\_3625.005MHz\_Inner\_1RB\_Left



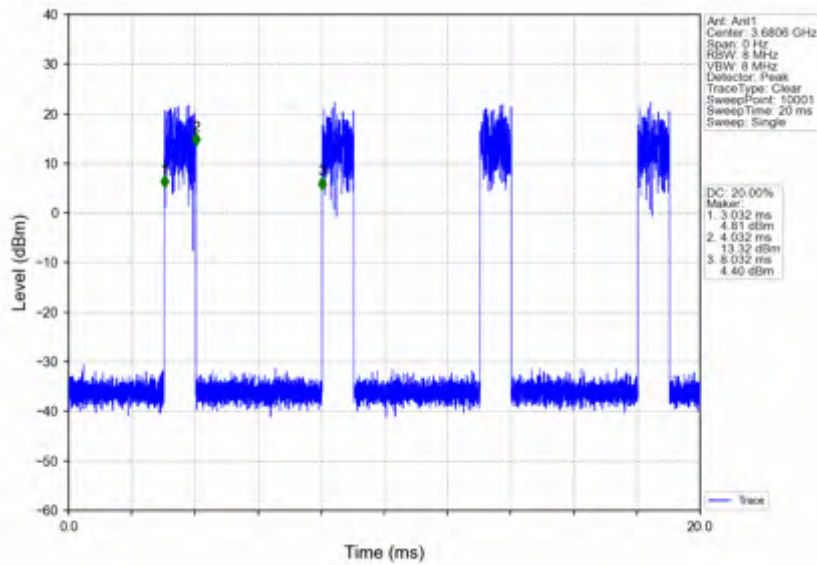
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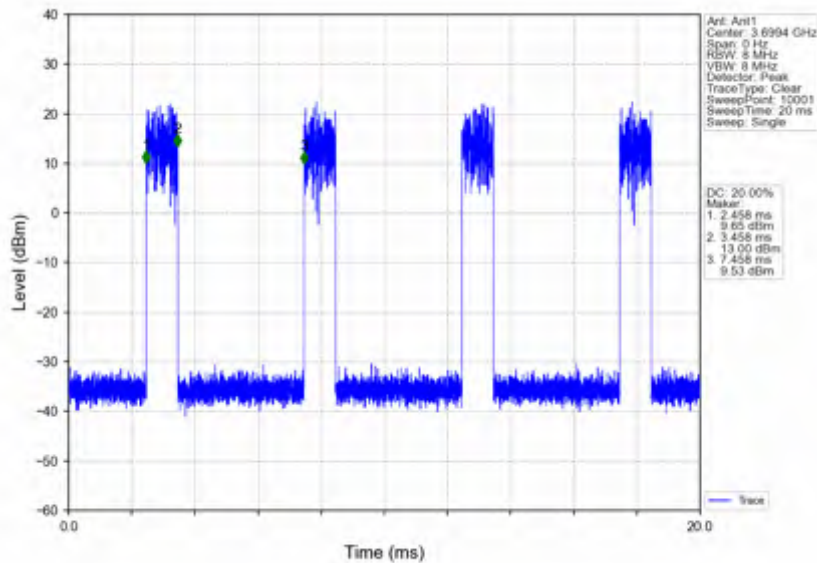
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 64 QAM\_3690MHz\_Edge\_1RB\_Left



n78d\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 64 QAM\_3690MHz\_Edge\_1RB\_Right



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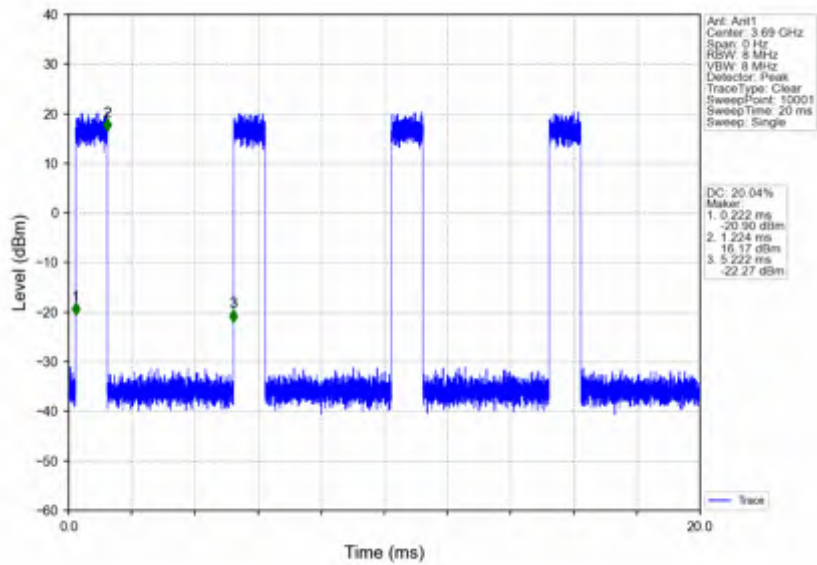
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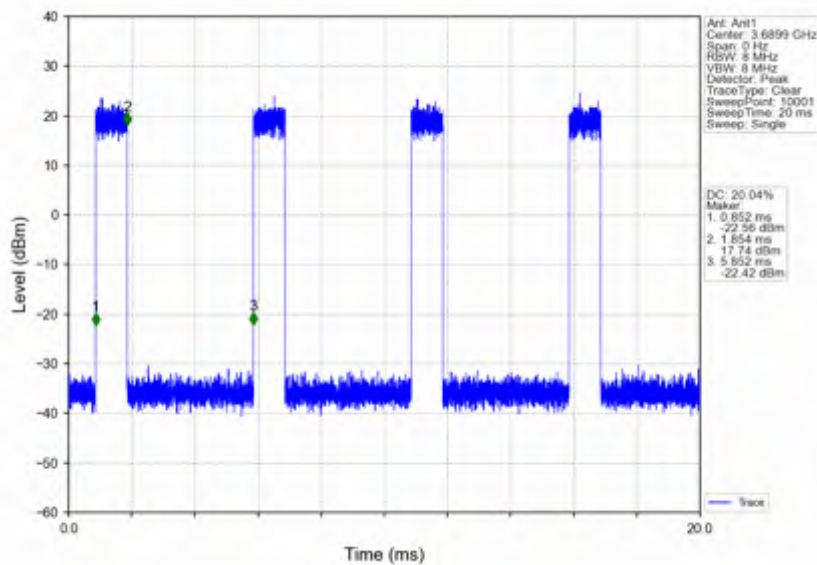
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 64 QAM\_3690MHz\_Outer\_Full



n78d\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 64 QAM\_3690MHz\_Inner\_Full



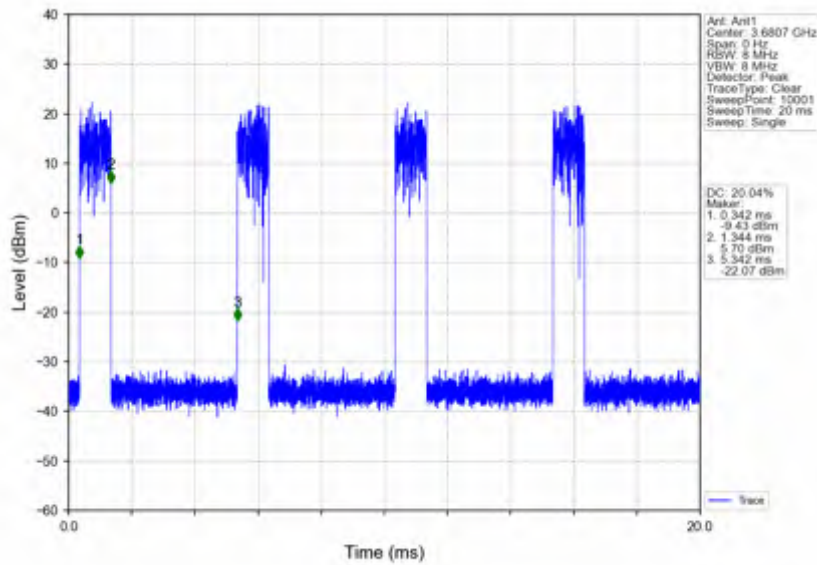
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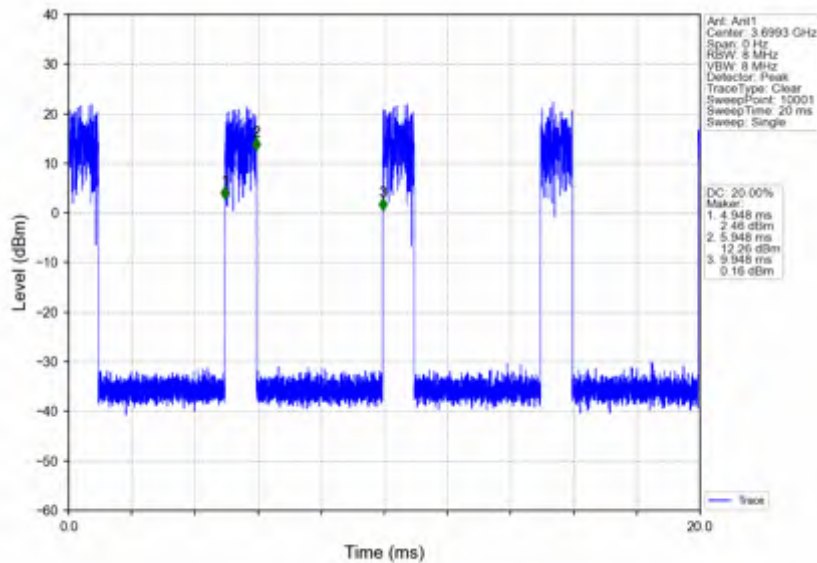
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 64 QAM\_3690MHz\_Inner\_1RB\_Left



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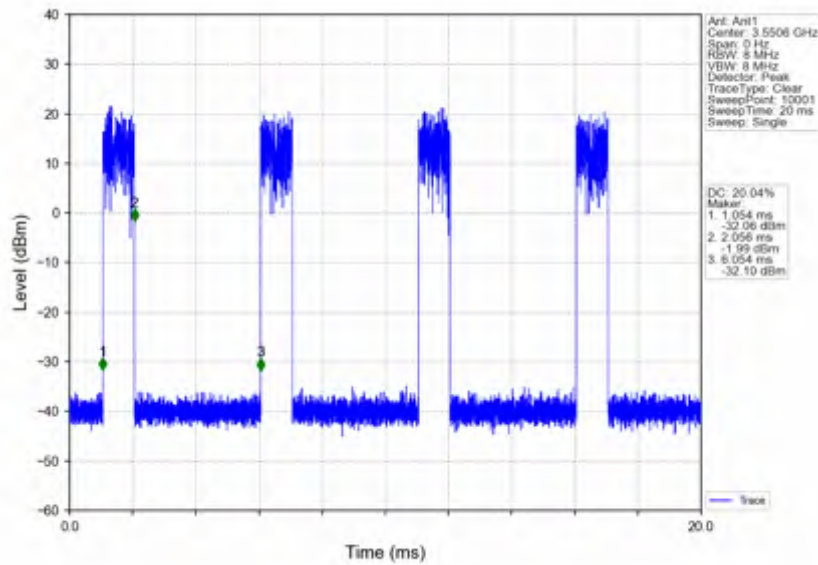
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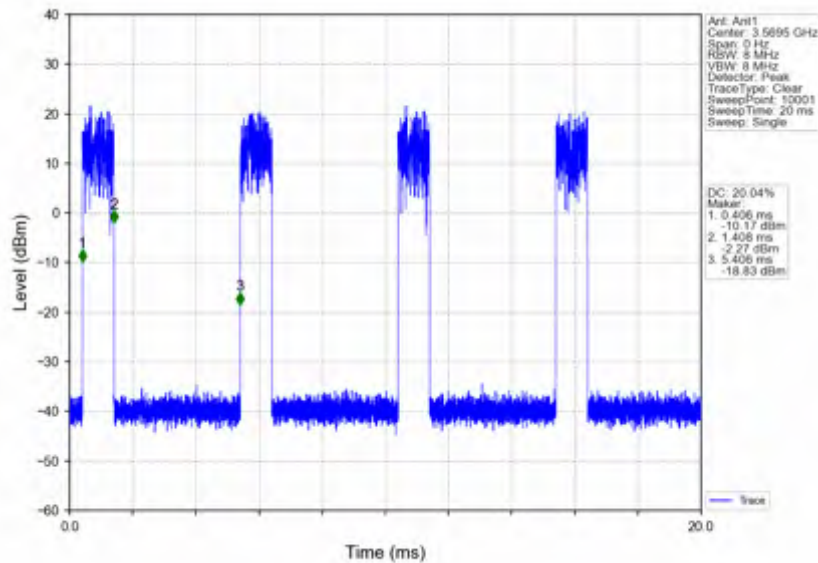
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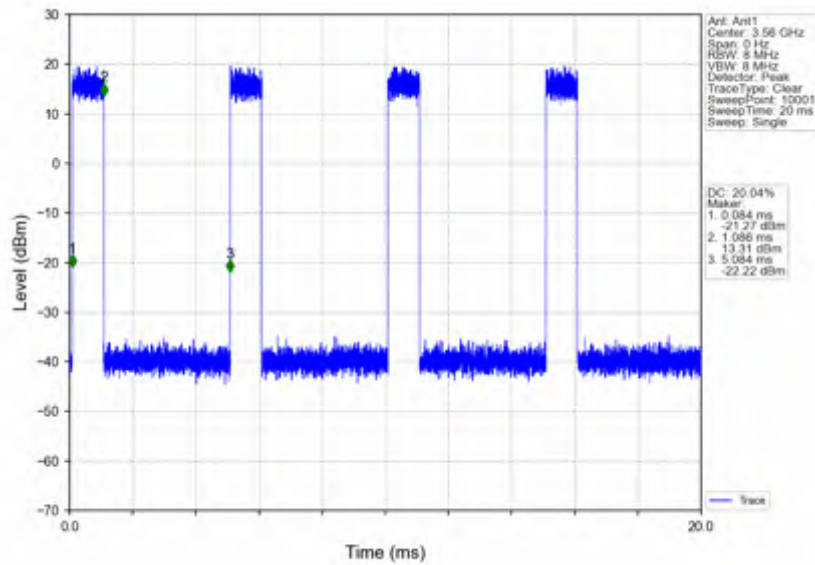
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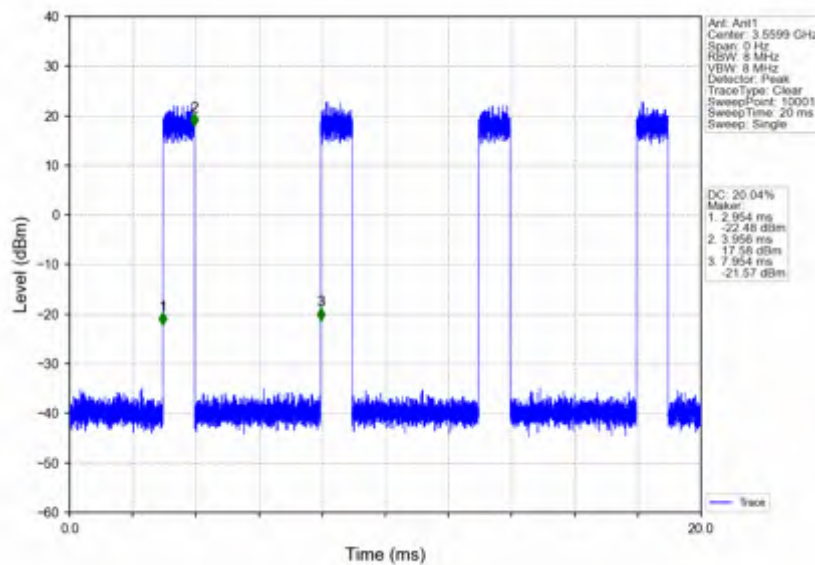
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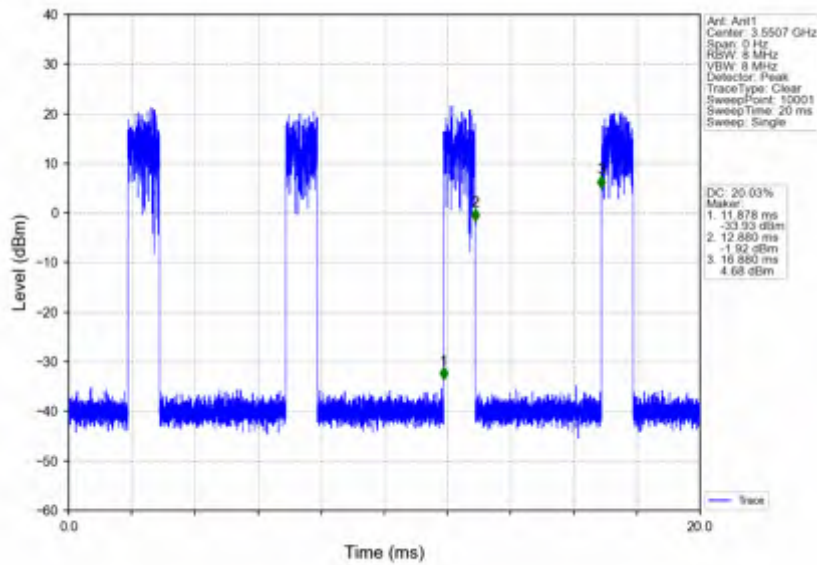
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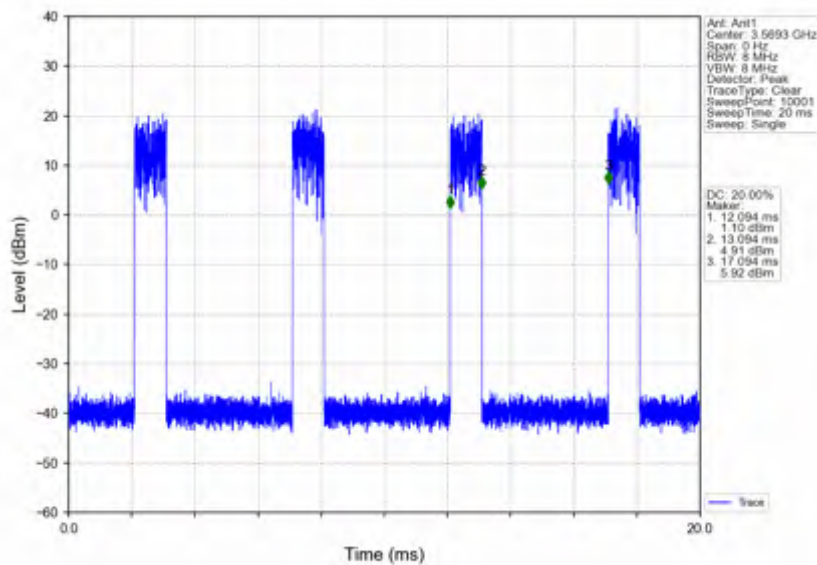
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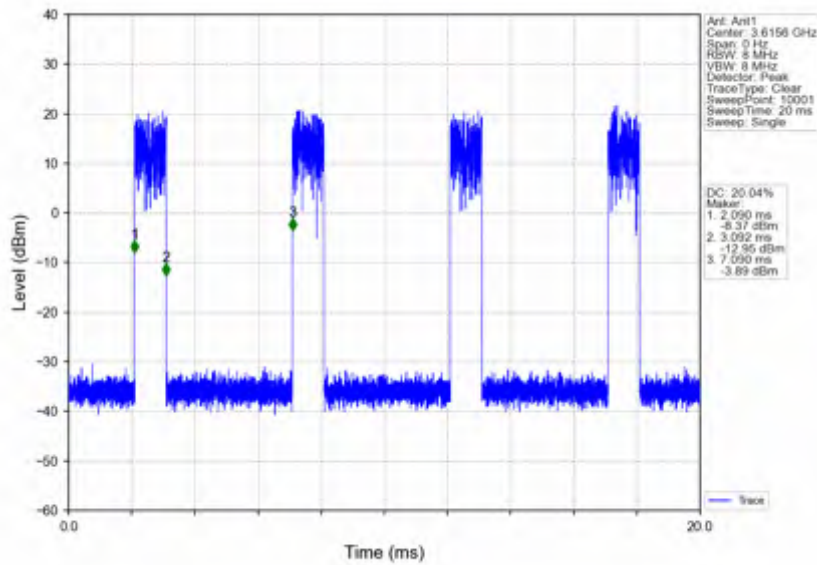


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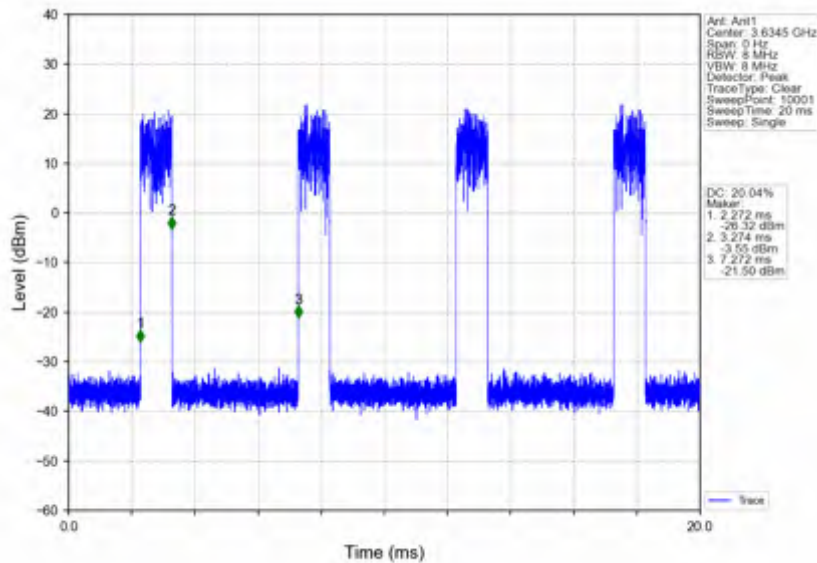
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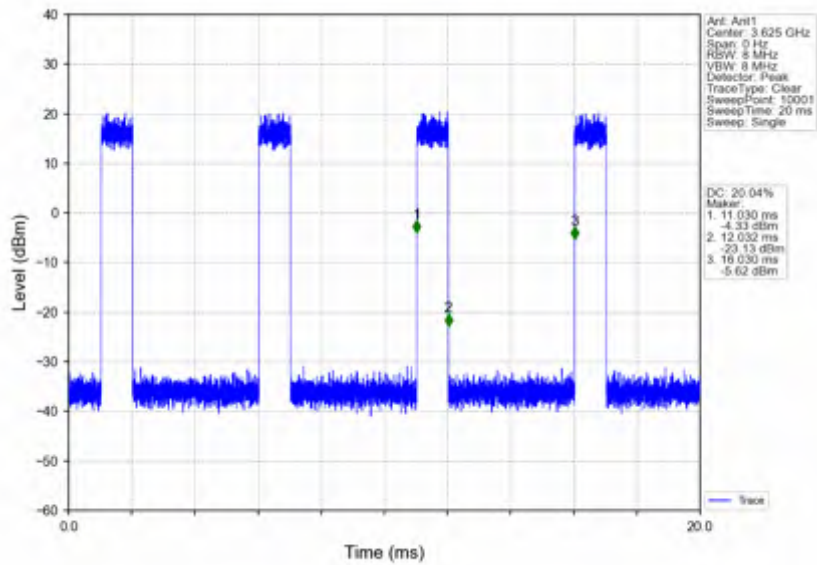
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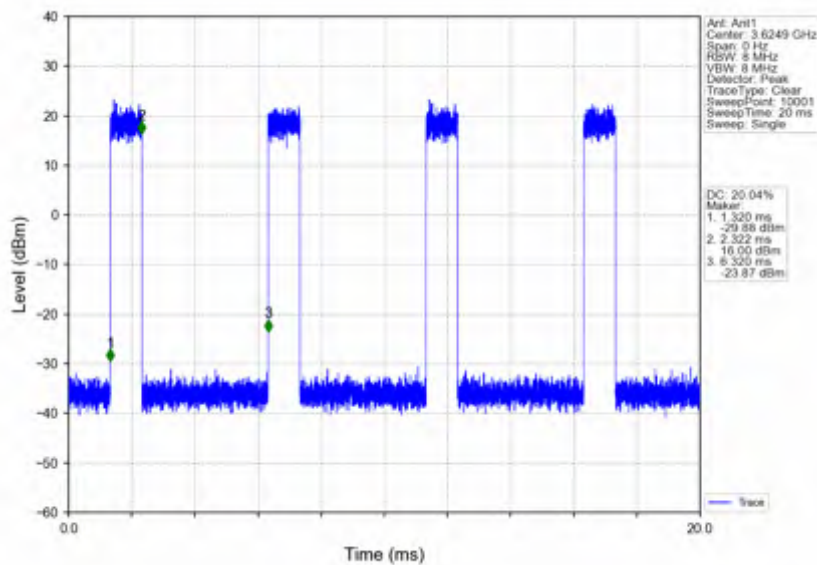
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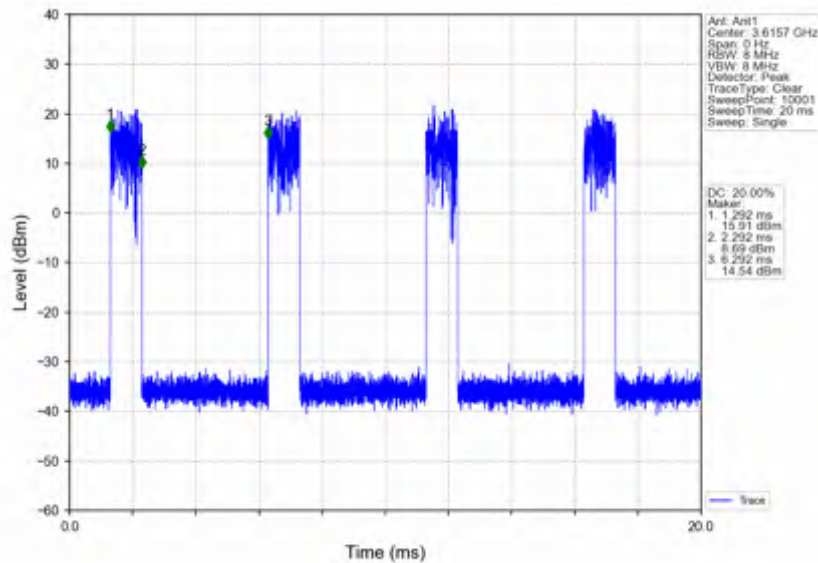


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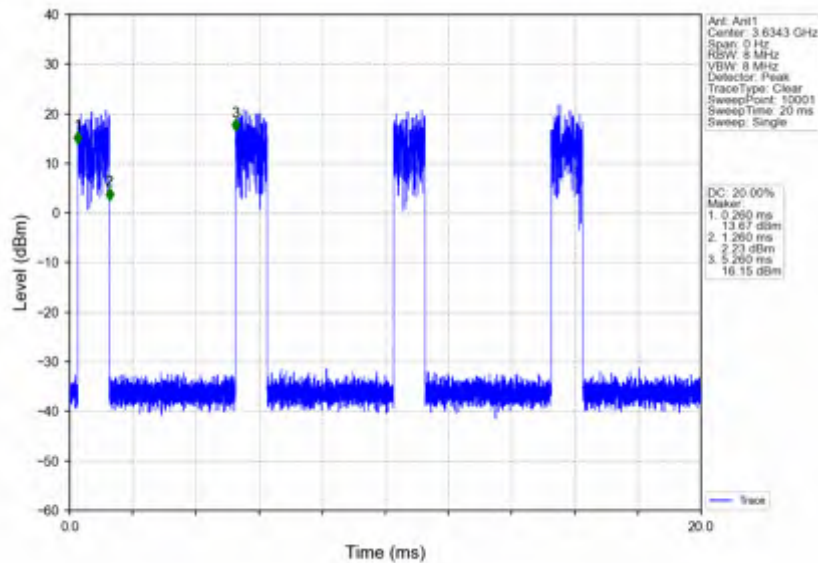
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 256 QAM\_3625.005MHz\_Inner\_1RB\_Left



n78d\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 256 QAM\_3625.005MHz\_Inner\_1RB\_Right



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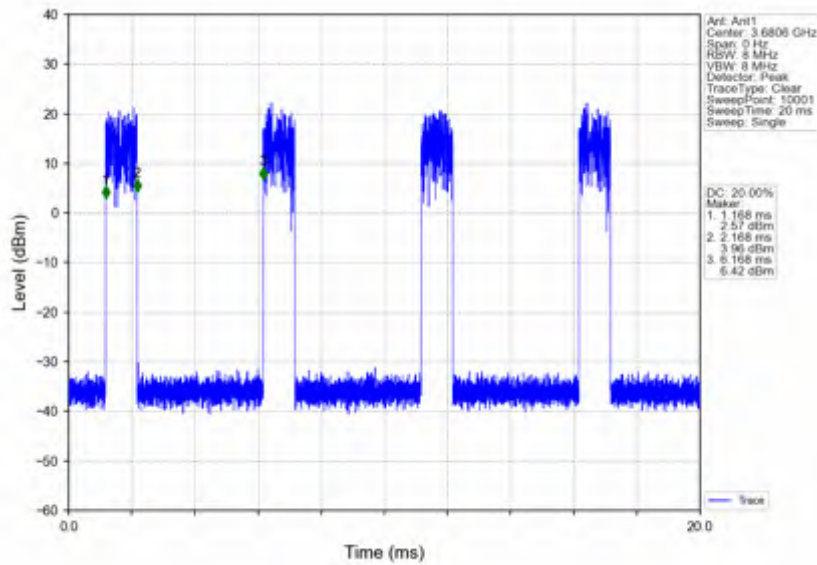
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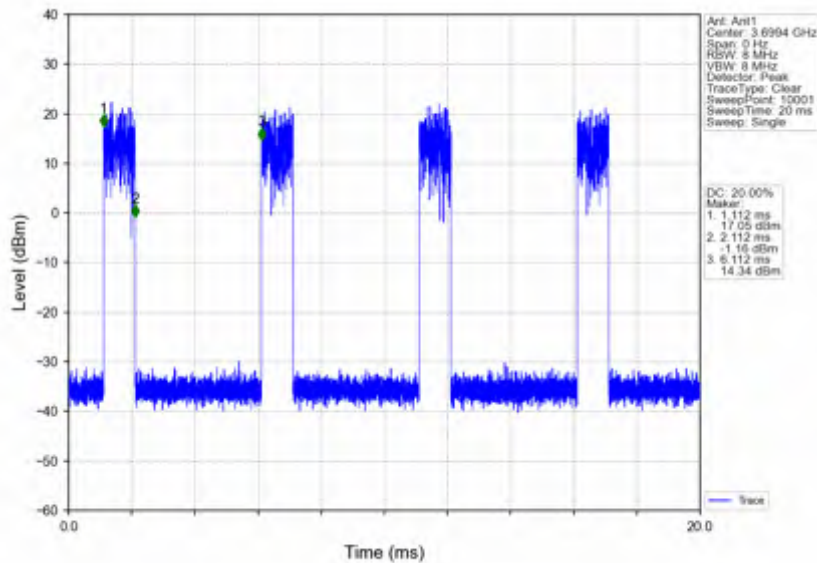
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n78d\_15kHz\_SISO\_NTV\_20MHz\_CP-OFDM\_256 QAM\_3690MHz\_Edge\_1RB\_Left



n78d\_15kHz\_SISO\_NTV\_20MHz\_CP-OFDM\_256 QAM\_3690MHz\_Edge\_1RB\_Right



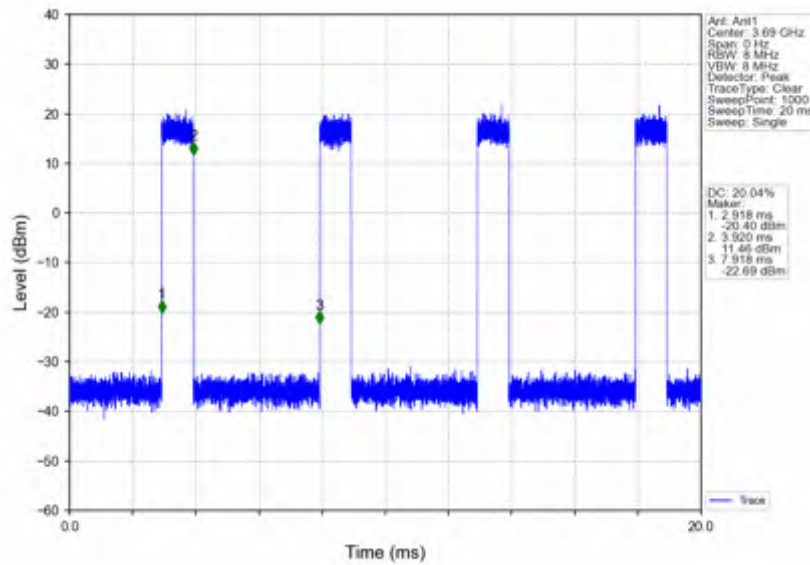
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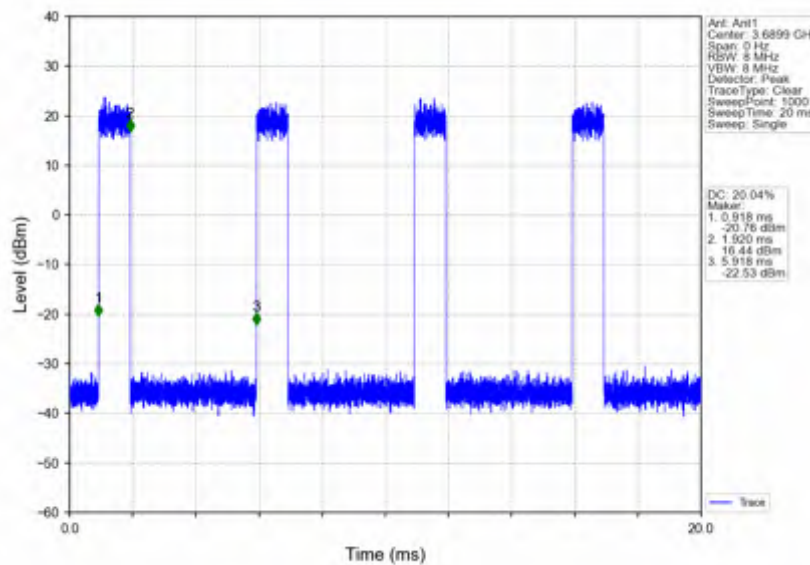
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n78d\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_256 QAM\_3690MHz\_Outer\_Full



n78d\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_256 QAM\_3690MHz\_Inner\_Full



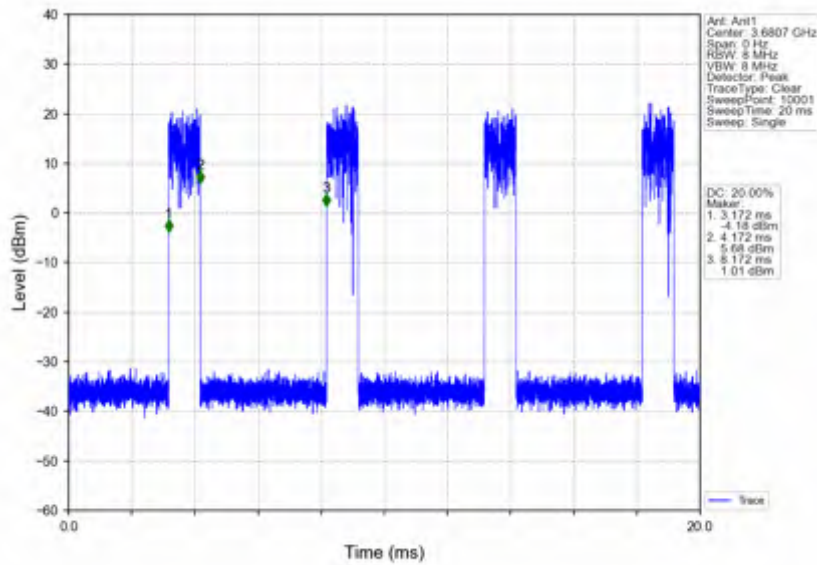
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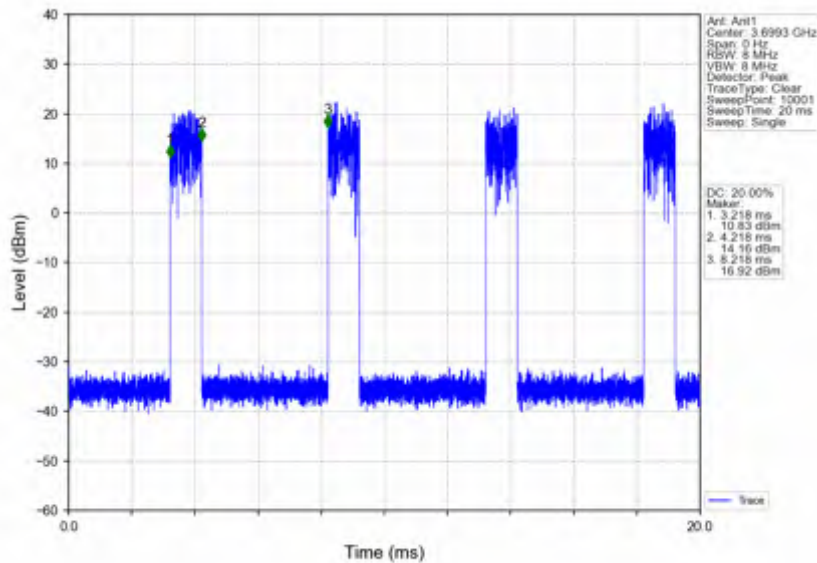
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n78d\_15kHz\_SISO\_NTV\_20MHz\_CP-OFDM 256 QAM\_3690MHz\_Inner\_1RB\_Left



n78d\_15kHz\_SISO\_NTV\_20MHz\_CP-OFDM 256 QAM\_3690MHz\_Inner\_1RB\_Right



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## 1.4 15k\_SISO\_25MHz\_NTNV

### 1.4.1 Test Result

| 5G NR n78d SCS=15kHz SISO 25MHz NTN |                 |                 |           |             |                |                                   |                       |
|-------------------------------------|-----------------|-----------------|-----------|-------------|----------------|-----------------------------------|-----------------------|
| Modulation                          | Frequency (MHz) | RB Allocation   | T_on (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | Max. DC Variation (%) |
| DFT-s-OFDM PI/2 BPSK                | 3562.5          | Edge_1RB_Left   | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |
|                                     |                 | Edge_1RB_Right  | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |
|                                     |                 | Outer_Full      | 1.002     | 5.000       | 20.04          | 6.98                              | 0.00                  |
|                                     |                 | Inner_Full      | 1.002     | 5.000       | 20.04          | 6.98                              | 0.00                  |
|                                     |                 | Inner_1RB_Left  | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |
|                                     |                 | Inner_1RB_Right | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |
|                                     | 3625.005        | Edge_1RB_Left   | 1.002     | 5.000       | 20.04          | 6.98                              | 0.04                  |
|                                     |                 | Edge_1RB_Right  | 1.006     | 5.000       | 20.12          | 6.96                              | 0.00                  |
|                                     |                 | Outer_Full      | 1.002     | 5.000       | 20.04          | 6.98                              | 0.00                  |
|                                     |                 | Inner_Full      | 1.002     | 5.000       | 20.04          | 6.98                              | 0.00                  |
|                                     |                 | Inner_1RB_Left  | 1.004     | 5.000       | 20.08          | 6.97                              | 0.04                  |
|                                     |                 | Inner_1RB_Right | 1.024     | 5.000       | 20.48          | 6.89                              | 0.04                  |
|                                     | 3687.495        | Edge_1RB_Left   | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |
|                                     |                 | Edge_1RB_Right  | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |
|                                     |                 | Outer_Full      | 1.002     | 5.000       | 20.04          | 6.98                              | 0.04                  |
|                                     |                 | Inner_Full      | 1.002     | 5.000       | 20.04          | 6.98                              | 0.00                  |
|                                     |                 | Inner_1RB_Left  | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |
|                                     |                 | Inner_1RB_Right | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |
| DFT-s-OFDM QPSK                     | 3562.5          | Edge_1RB_Left   | 1.002     | 5.000       | 20.04          | 6.98                              | 0.00                  |
|                                     |                 | Edge_1RB_Right  | 1.002     | 5.000       | 20.04          | 6.98                              | 0.00                  |
|                                     |                 | Outer_Full      | 1.002     | 5.000       | 20.04          | 6.98                              | 0.00                  |
|                                     |                 | Inner_Full      | 1.002     | 5.000       | 20.04          | 6.98                              | 0.00                  |
|                                     |                 | Inner_1RB_Left  | 1.002     | 5.000       | 20.04          | 6.98                              | 0.00                  |
|                                     |                 | Inner_1RB_Right | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |
|                                     | 3625.005        | Edge_1RB_Left   | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |
|                                     |                 | Edge_1RB_Right  | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |
|                                     |                 | Outer_Full      | 1.000     | 4.998       | 20.01          | 6.99                              | 0.03                  |
|                                     |                 | Inner_Full      | 1.002     | 5.000       | 20.04          | 6.98                              | 0.00                  |
|                                     |                 | Inner_1RB_Left  | 1.002     | 5.000       | 20.04          | 6.98                              | 0.00                  |
|                                     |                 | Inner_1RB_Right | 1.000     | 5.000       | 20.00          | 6.99                              | 0.01                  |
|                                     | 3687.495        | Edge_1RB_Left   | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |
|                                     |                 | Edge_1RB_Right  | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |
|                                     |                 | Outer_Full      | 1.000     | 5.000       | 20.00          | 6.99                              | 0.04                  |
|                                     |                 | Inner_Full      | 1.002     | 5.000       | 20.04          | 6.98                              | 0.00                  |
|                                     |                 | Inner_1RB_Left  | 1.002     | 5.000       | 20.04          | 6.98                              | 0.00                  |
|                                     |                 | Inner_1RB_Right | 1.000     | 5.000       | 20.00          | 6.99                              | 0.04                  |
| DFT-s-OFDM 16 QAM                   | 3562.5          | Edge_1RB_Left   | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |
|                                     |                 | Edge_1RB_Right  | 1.002     | 5.000       | 20.04          | 6.98                              | 0.00                  |
|                                     |                 | Outer_Full      | 1.002     | 5.000       | 20.04          | 6.98                              | 0.01                  |
|                                     |                 | Inner_Full      | 1.002     | 4.998       | 20.05          | 6.98                              | 0.03                  |
|                                     |                 | Inner_1RB_Left  | 1.002     | 5.000       | 20.04          | 6.98                              | 0.00                  |
|                                     |                 | Inner_1RB_Right | 1.000     | 5.000       | 20.00          | 6.99                              | 0.04                  |
|                                     | 3625.005        | Edge_1RB_Left   | 1.002     | 5.000       | 20.04          | 6.98                              | 0.00                  |
|                                     |                 | Edge_1RB_Right  | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |



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|                    |                |                   |        |                |       |       |       |      |      |
|--------------------|----------------|-------------------|--------|----------------|-------|-------|-------|------|------|
|                    |                | Outer_Full        | 1.002  | 5.000          | 20.04 | 6.98  | 0.00  |      |      |
|                    |                | Inner_Full        | 1.002  | 5.000          | 20.04 | 6.98  | 0.00  |      |      |
|                    |                | Inner_1RB_Left    | 1.000  | 5.000          | 20.00 | 6.99  | 0.00  |      |      |
|                    |                | Inner_1RB_Right   | 1.000  | 4.998          | 20.01 | 6.99  | 0.02  |      |      |
|                    | 3687.495       | Edge_1RB_Left     | 1.000  | 5.000          | 20.00 | 6.99  | 0.03  |      |      |
|                    |                |                   | 1.000  | 5.000          | 20.00 | 6.99  | 0.00  |      |      |
|                    |                | Outer_Full        | 1.000  | 4.998          | 20.01 | 6.99  | 0.03  |      |      |
|                    |                |                   | 1.002  | 5.000          | 20.04 | 6.98  | 0.00  |      |      |
|                    |                | Inner_1RB_Left    | 1.000  | 5.000          | 20.00 | 6.99  | 0.00  |      |      |
|                    |                |                   | 1.000  | 5.000          | 20.00 | 6.99  | 0.00  |      |      |
|                    |                | DFT-s-OFDM 64 QAM | 3562.5 | Edge_1RB_Left  | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|                    |                |                   |        | Edge_1RB_Right | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
| Outer_Full         | 1.002          |                   |        | 5.000          | 20.04 | 6.98  | 0.00  |      |      |
| Inner_Full         | 1.002          |                   |        | 5.000          | 20.04 | 6.98  | 0.00  |      |      |
| Inner_1RB_Left     | 1.000          |                   |        | 5.000          | 20.00 | 6.99  | 0.00  |      |      |
| Inner_1RB_Right    | 1.000          |                   |        | 5.000          | 20.00 | 6.99  | 0.04  |      |      |
| 3625.005           | Edge_1RB_Left  |                   | 1.000  | 4.998          | 20.01 | 6.99  | 0.03  |      |      |
|                    |                |                   | 1.000  | 5.000          | 20.00 | 6.99  | 0.00  |      |      |
|                    | Outer_Full     |                   | 1.002  | 5.000          | 20.04 | 6.98  | 0.00  |      |      |
|                    |                |                   | 1.002  | 5.000          | 20.04 | 6.98  | 0.00  |      |      |
|                    | Inner_1RB_Left |                   | 1.000  | 5.000          | 20.00 | 6.99  | 0.00  |      |      |
|                    |                |                   | 1.000  | 5.000          | 20.00 | 6.99  | 0.00  |      |      |
| 3687.495           | Edge_1RB_Left  | 1.002             | 5.000  | 20.04          | 6.98  | 0.00  |       |      |      |
|                    |                | 1.000             | 5.000  | 20.00          | 6.99  | 0.00  |       |      |      |
|                    | Outer_Full     | 1.002             | 5.000  | 20.04          | 6.98  | 0.00  |       |      |      |
|                    |                | 1.002             | 5.000  | 20.04          | 6.98  | 0.00  |       |      |      |
|                    | Inner_1RB_Left | 1.002             | 5.000  | 20.04          | 6.98  | 0.00  |       |      |      |
|                    |                | 1.000             | 5.000  | 20.00          | 6.99  | 0.00  |       |      |      |
| DFT-s-OFDM 256 QAM | 3562.5         | Edge_1RB_Left     | 1.000  | 5.000          | 20.00 | 6.99  | 0.00  |      |      |
|                    |                | Edge_1RB_Right    | 1.000  | 5.000          | 20.00 | 6.99  | 0.03  |      |      |
|                    |                | Outer_Full        | 1.002  | 5.000          | 20.04 | 6.98  | 0.00  |      |      |
|                    |                | Inner_Full        | 1.002  | 5.000          | 20.04 | 6.98  | 0.00  |      |      |
|                    |                | Inner_1RB_Left    | 1.000  | 5.000          | 20.00 | 6.99  | 0.00  |      |      |
|                    |                | Inner_1RB_Right   | 1.000  | 5.000          | 20.00 | 6.99  | 0.00  |      |      |
|                    | 3625.005       | Edge_1RB_Left     | 1.000  | 5.000          | 20.00 | 6.99  | 0.00  |      |      |
|                    |                |                   | 1.002  | 5.002          | 20.03 | 6.98  | 0.02  |      |      |
|                    |                | Outer_Full        | 1.002  | 5.000          | 20.04 | 6.98  | 0.00  |      |      |
|                    |                |                   | 1.002  | 5.000          | 20.04 | 6.98  | 0.00  |      |      |
|                    |                | Inner_1RB_Left    | 1.000  | 5.000          | 20.00 | 6.99  | 0.00  |      |      |
|                    |                |                   | 1.000  | 5.000          | 20.00 | 6.99  | 0.03  |      |      |
|                    | 3687.495       | Edge_1RB_Left     | 1.002  | 5.000          | 20.04 | 6.98  | 0.00  |      |      |
|                    |                |                   | 1.000  | 5.000          | 20.00 | 6.99  | 0.00  |      |      |
|                    |                | Outer_Full        | 1.002  | 5.000          | 20.04 | 6.98  | 0.00  |      |      |
|                    |                |                   | 1.000  | 4.998          | 20.01 | 6.99  | 0.03  |      |      |
|                    |                | Inner_1RB_Left    | 1.000  | 5.000          | 20.00 | 6.99  | 0.00  |      |      |
|                    |                |                   | 1.000  | 5.000          | 20.00 | 6.99  | 0.00  |      |      |
| CP-OFDM QPSK       | 3562.5         | Edge_1RB_Left     | 1.000  | 4.998          | 20.01 | 6.99  | 0.02  |      |      |
|                    |                | Edge_1RB_Right    | 1.002  | 5.000          | 20.04 | 6.98  | 0.00  |      |      |
|                    |                | Outer_Full        | 1.002  | 5.000          | 20.04 | 6.98  | 0.00  |      |      |
|                    |                | Inner_Full        | 1.002  | 5.000          | 20.04 | 6.98  | 0.00  |      |      |
|                    |                | Inner_1RB_Left    | 1.002  | 5.000          | 20.04 | 6.98  | 0.00  |      |      |
|                    |                | Inner_1RB_Right   | 1.000  | 5.000          | 20.00 | 6.99  | 0.03  |      |      |
|                    | 3625.005       | Edge_1RB_Left     | 1.000  | 5.000          | 20.00 | 6.99  | 0.00  |      |      |
|                    |                |                   | 1.000  | 5.000          | 20.00 | 6.99  | 0.00  |      |      |



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|-----------------|----------------|-----------------|--------|----------------|-------|-------|-------|------|------|
|                 |                | Outer_Full      | 1.002  | 5.000          | 20.04 | 6.98  | 0.00  |      |      |
|                 |                | Inner_Full      | 1.002  | 5.000          | 20.04 | 6.98  | 0.00  |      |      |
|                 |                | Inner_1RB_Left  | 1.002  | 5.000          | 20.04 | 6.98  | 0.00  |      |      |
|                 |                | Inner_1RB_Right | 1.002  | 5.000          | 20.04 | 6.98  | 0.00  |      |      |
|                 | 3687.495       | Edge_1RB_Left   | 1.000  | 4.998          | 20.01 | 6.99  | 0.03  |      |      |
|                 |                |                 | 1.000  | 5.000          | 20.00 | 6.99  | 0.00  |      |      |
|                 |                | Outer_Full      | 1.002  | 5.002          | 20.03 | 6.98  | 0.02  |      |      |
|                 |                |                 | 1.000  | 4.998          | 20.01 | 6.99  | 0.03  |      |      |
|                 |                | Inner_1RB_Left  | 1.000  | 5.000          | 20.00 | 6.99  | 0.00  |      |      |
|                 |                |                 | 1.000  | 5.000          | 20.00 | 6.99  | 0.04  |      |      |
|                 |                | CP-OFDM 16 QAM  | 3562.5 | Edge_1RB_Left  | 1.000 | 4.998 | 20.01 | 6.99 | 0.02 |
|                 |                |                 |        | Edge_1RB_Right | 1.000 | 5.000 | 20.00 | 6.99 | 0.03 |
| Outer_Full      | 1.002          |                 |        | 5.000          | 20.04 | 6.98  | 0.00  |      |      |
|                 | 1.002          |                 |        | 5.000          | 20.04 | 6.98  | 0.00  |      |      |
| Inner_1RB_Left  | 1.002          |                 |        | 5.000          | 20.04 | 6.98  | 0.03  |      |      |
|                 | 1.002          |                 |        | 5.000          | 20.04 | 6.98  | 0.03  |      |      |
| 3625.005        | Edge_1RB_Left  |                 | 1.000  | 5.000          | 20.00 | 6.99  | 0.00  |      |      |
|                 |                |                 | 1.000  | 5.000          | 20.00 | 6.99  | 0.04  |      |      |
|                 | Outer_Full     |                 | 1.002  | 5.000          | 20.04 | 6.98  | 0.00  |      |      |
|                 |                |                 | 1.002  | 5.000          | 20.04 | 6.98  | 0.00  |      |      |
|                 | Inner_1RB_Left |                 | 1.000  | 5.000          | 20.00 | 6.99  | 0.00  |      |      |
|                 |                |                 | 1.000  | 5.000          | 20.00 | 6.99  | 0.03  |      |      |
| 3687.495        | Edge_1RB_Left  | 1.000           | 5.000  | 20.00          | 6.99  | 0.00  |       |      |      |
|                 |                | 1.000           | 5.000  | 20.00          | 6.99  | 0.00  |       |      |      |
|                 | Outer_Full     | 1.002           | 5.000  | 20.04          | 6.98  | 0.00  |       |      |      |
|                 |                | 1.000           | 4.998  | 20.01          | 6.99  | 0.03  |       |      |      |
|                 | Inner_1RB_Left | 1.000           | 5.000  | 20.00          | 6.99  | 0.00  |       |      |      |
|                 |                | 1.000           | 5.000  | 20.00          | 6.99  | 0.04  |       |      |      |
| CP-OFDM 64 QAM  | 3562.5         | Edge_1RB_Left   | 1.000  | 5.000          | 20.00 | 6.99  | 0.00  |      |      |
|                 |                | Edge_1RB_Right  | 1.000  | 4.998          | 20.01 | 6.99  | 0.02  |      |      |
|                 |                | Outer_Full      | 1.002  | 5.000          | 20.04 | 6.98  | 0.00  |      |      |
|                 |                |                 | 1.002  | 5.000          | 20.04 | 6.98  | 0.00  |      |      |
|                 |                | Inner_1RB_Left  | 1.002  | 5.002          | 20.03 | 6.98  | 0.01  |      |      |
|                 |                |                 | 1.000  | 5.000          | 20.00 | 6.99  | 0.04  |      |      |
|                 | 3625.005       | Edge_1RB_Left   | 1.002  | 5.000          | 20.04 | 6.98  | 0.00  |      |      |
|                 |                |                 | 1.000  | 5.000          | 20.00 | 6.99  | 0.00  |      |      |
|                 |                | Outer_Full      | 1.002  | 5.000          | 20.04 | 6.98  | 0.00  |      |      |
|                 |                |                 | 1.002  | 5.000          | 20.04 | 6.98  | 0.00  |      |      |
|                 |                | Inner_1RB_Left  | 1.002  | 5.000          | 20.04 | 6.98  | 0.00  |      |      |
|                 |                |                 | 1.000  | 5.000          | 20.00 | 6.99  | 0.00  |      |      |
| 3687.495        | Edge_1RB_Left  | 1.002           | 5.000  | 20.04          | 6.98  | 0.00  |       |      |      |
|                 |                | 1.000           | 5.000  | 20.00          | 6.99  | 0.00  |       |      |      |
|                 | Outer_Full     | 1.002           | 5.000  | 20.04          | 6.98  | 0.00  |       |      |      |
|                 |                | 1.002           | 5.000  | 20.04          | 6.98  | 0.00  |       |      |      |
|                 | Inner_1RB_Left | 1.000           | 5.000  | 20.00          | 6.99  | 0.00  |       |      |      |
|                 |                | 1.002           | 5.000  | 20.04          | 6.98  | 0.00  |       |      |      |
| CP-OFDM 256 QAM | 3562.5         | Edge_1RB_Left   | 1.002  | 5.002          | 20.03 | 6.98  | 0.01  |      |      |
|                 |                | Edge_1RB_Right  | 1.000  | 4.998          | 20.01 | 6.99  | 0.02  |      |      |
|                 |                | Outer_Full      | 1.002  | 5.000          | 20.04 | 6.98  | 0.00  |      |      |
|                 |                |                 | 1.004  | 5.000          | 20.08 | 6.97  | 0.00  |      |      |
|                 |                | Inner_1RB_Left  | 1.002  | 5.000          | 20.04 | 6.98  | 0.00  |      |      |
|                 |                |                 | 1.000  | 5.000          | 20.00 | 6.99  | 0.03  |      |      |
|                 | 3625.005       | Edge_1RB_Left   | 1.000  | 5.000          | 20.00 | 6.99  | 0.00  |      |      |
|                 |                |                 | 1.000  | 5.000          | 20.00 | 6.99  | 0.03  |      |      |



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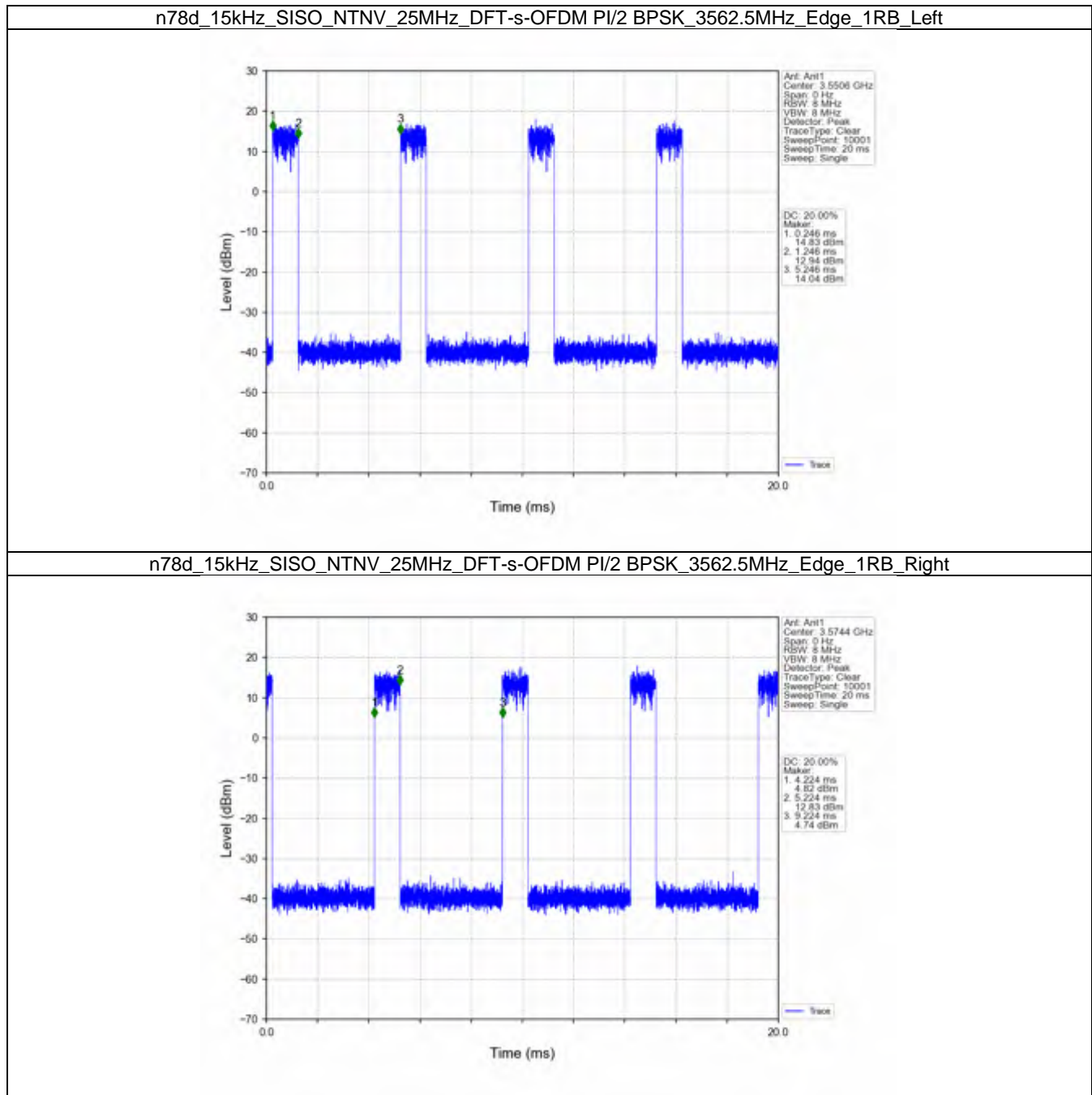
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|--|----------|-----------------|-------|-------|-------|------|------|
|  |          | Outer_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|  |          | Inner_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|  |          | Inner_1RB_Left  | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
|  |          | Inner_1RB_Right | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
|  | 3687.495 | Edge_1RB_Left   | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|  |          |                 | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
|  |          | Outer_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|  |          |                 | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|  |          | Inner_1RB_Left  | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
|  |          |                 | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |



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## 1.4.2 Test Graph



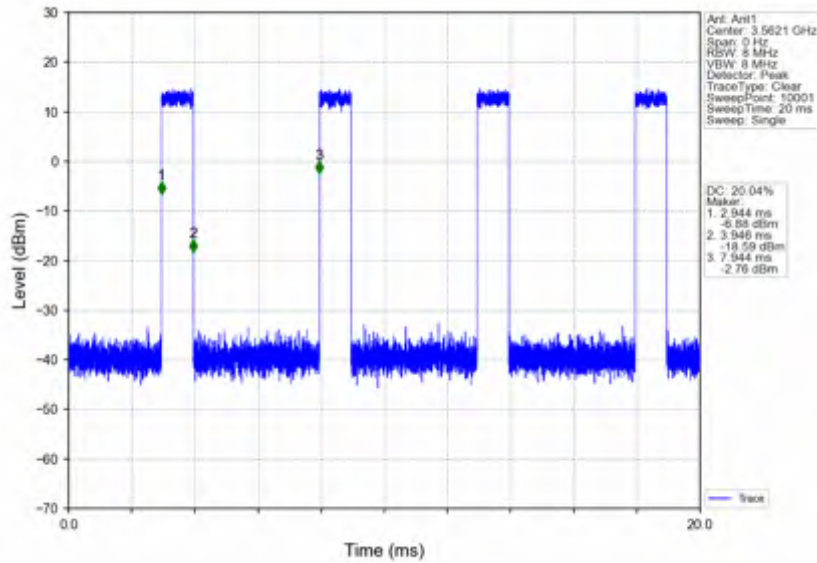
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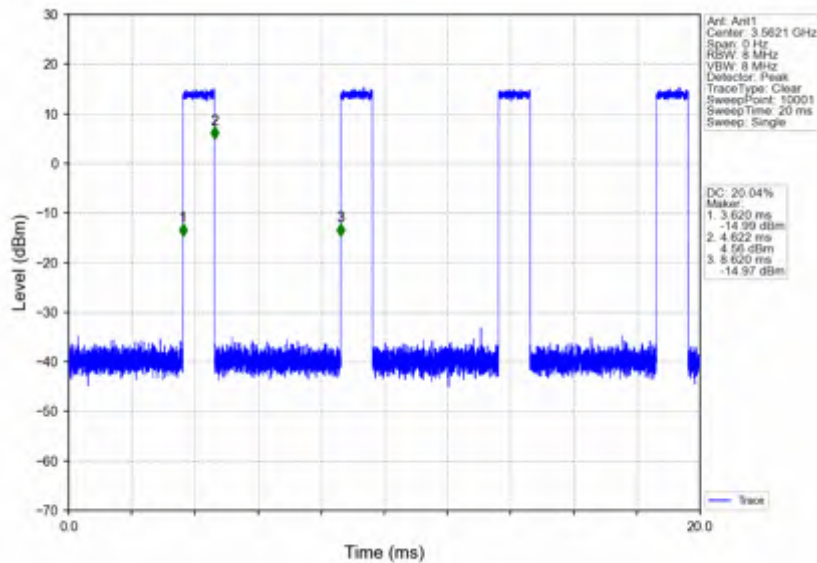
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_DFT-s-OFDM PI/2 BPSK\_3562.5MHz\_Outer\_Full



n78d\_15kHz\_SISO\_NTNV\_25MHz\_DFT-s-OFDM PI/2 BPSK\_3562.5MHz\_Inner\_Full



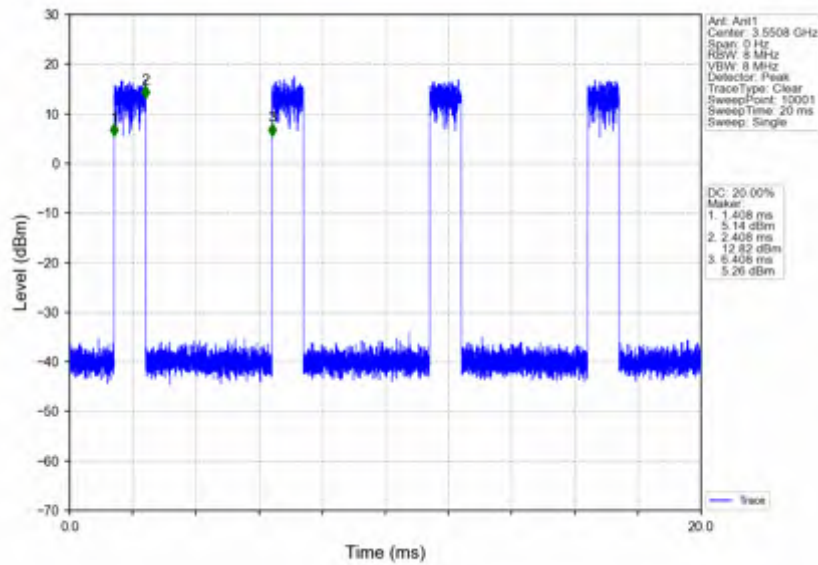
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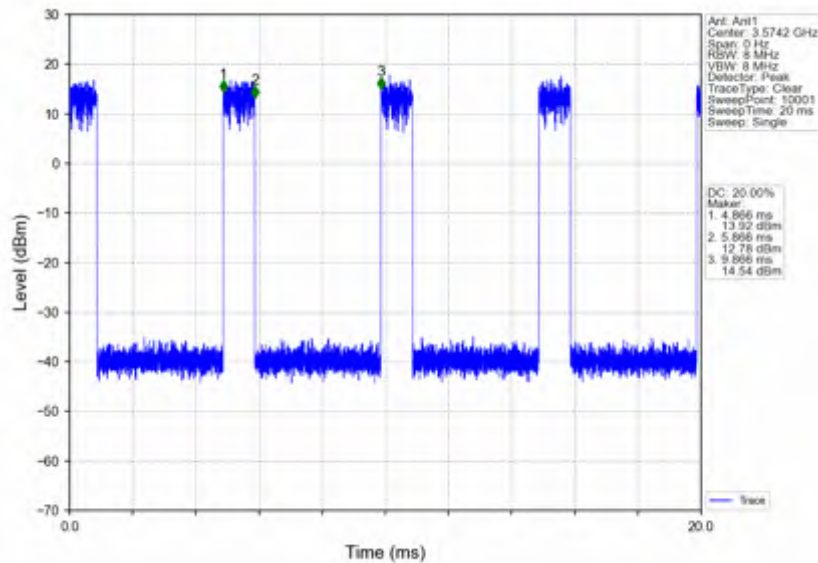
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n78d\_15kHz\_SISO\_NTV\_25MHz\_DFT-s-OFDM PI/2 BPSK\_3562.5MHz\_Inner\_1RB\_Right



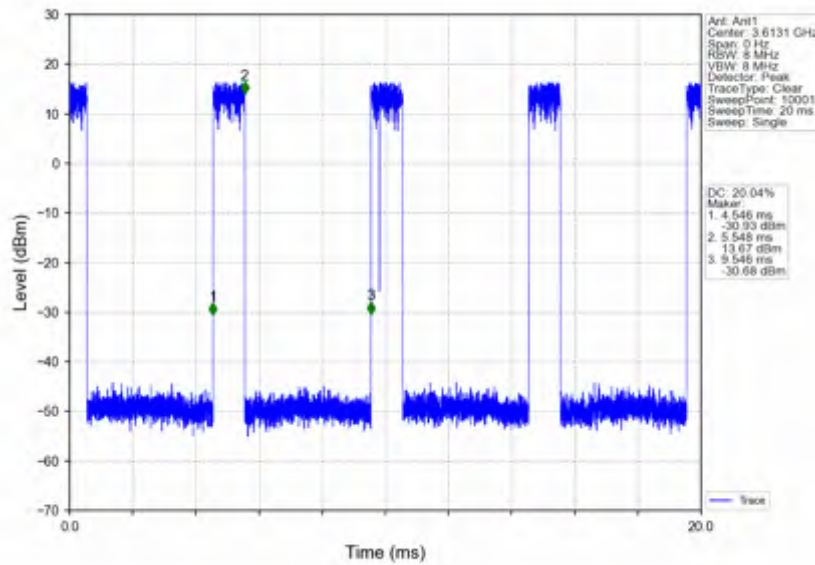
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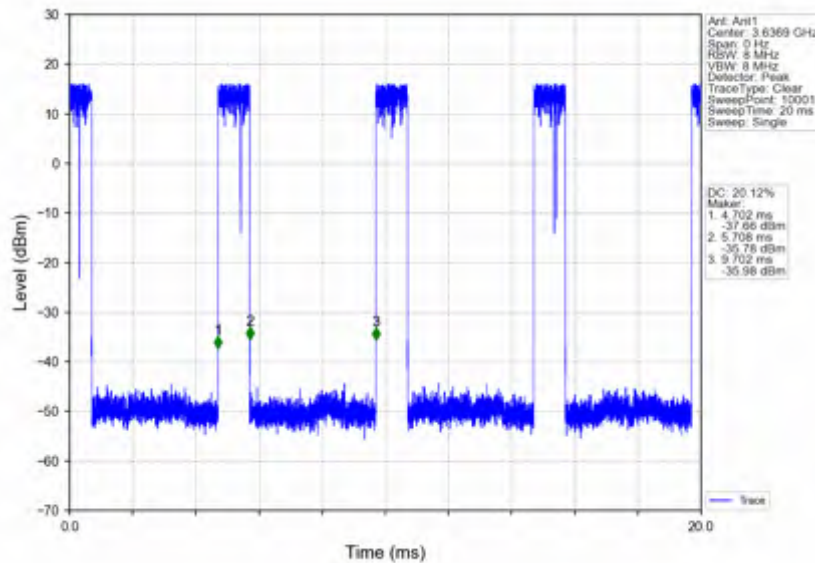
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_DFT-s-OFDM PI/2 BPSK\_3625.005MHz\_Edge\_1RB\_Right



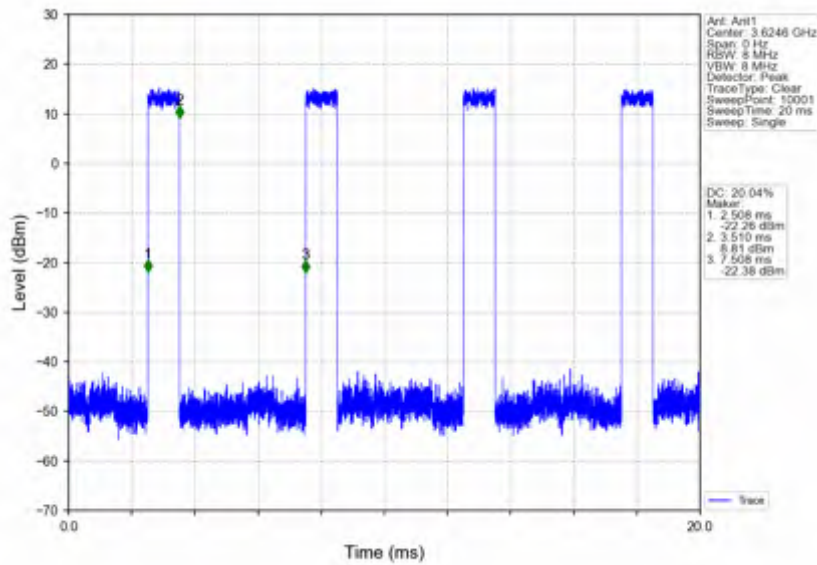
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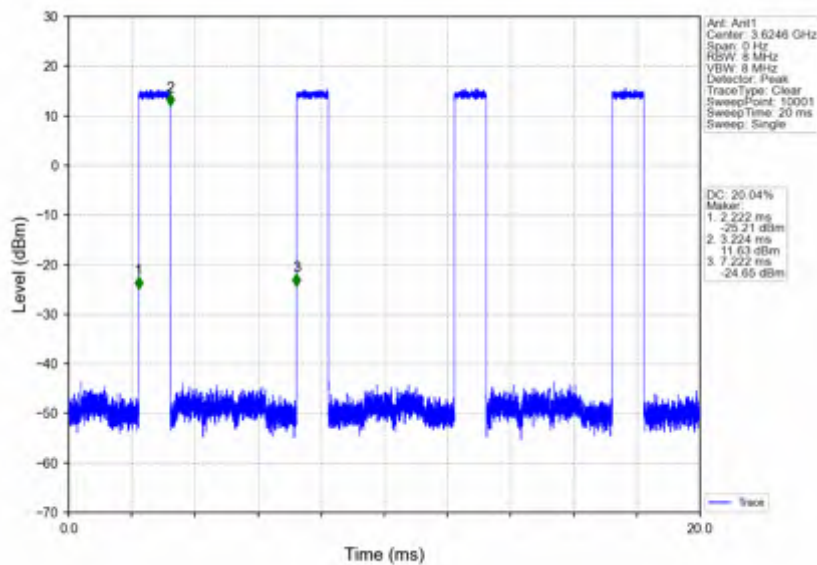
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_DFT-s-OFDM PI/2 BPSK\_3625.005MHz\_Outer\_Full



n78d\_15kHz\_SISO\_NTNV\_25MHz\_DFT-s-OFDM PI/2 BPSK\_3625.005MHz\_Inner\_Full

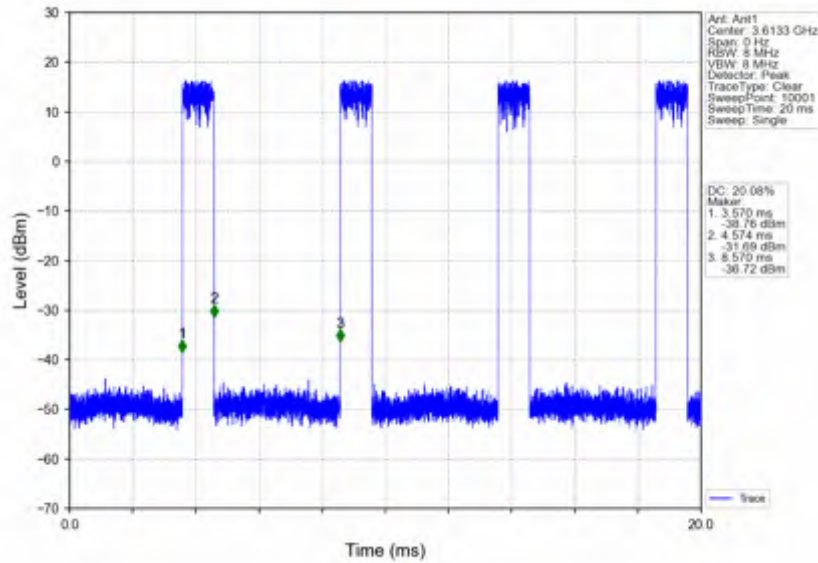


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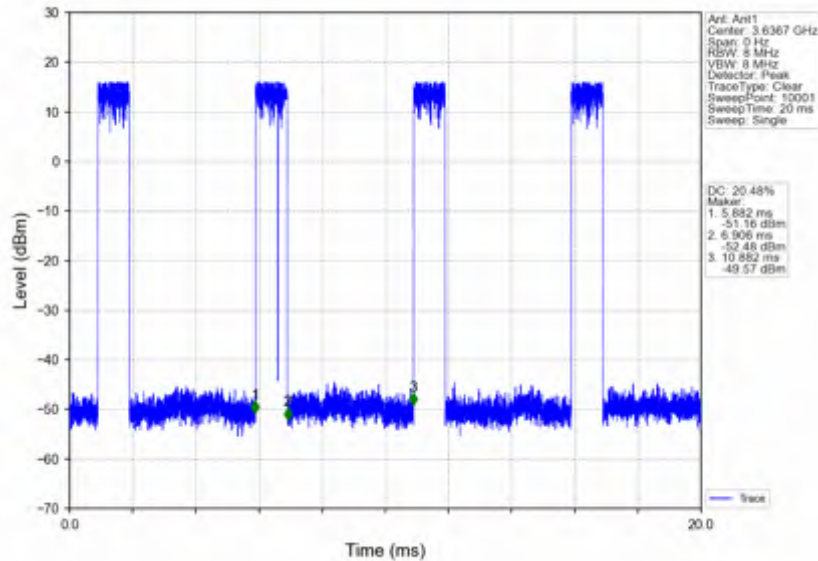
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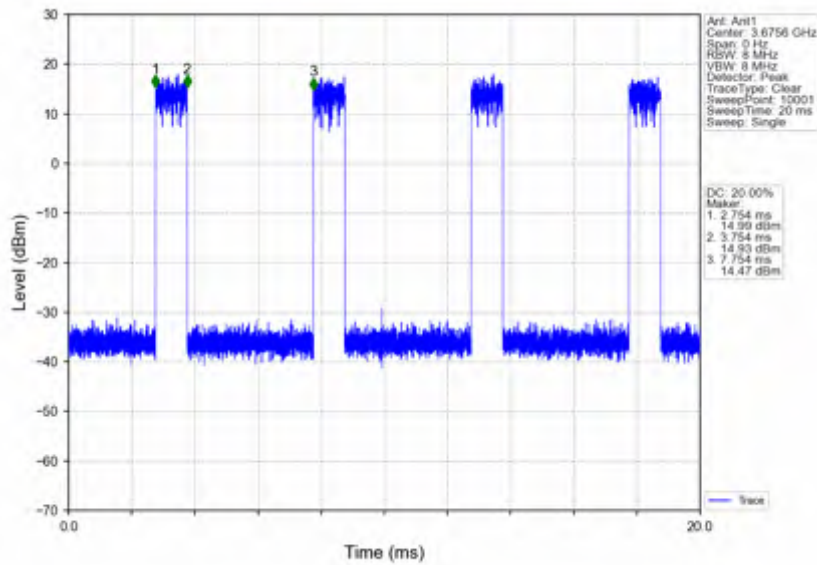
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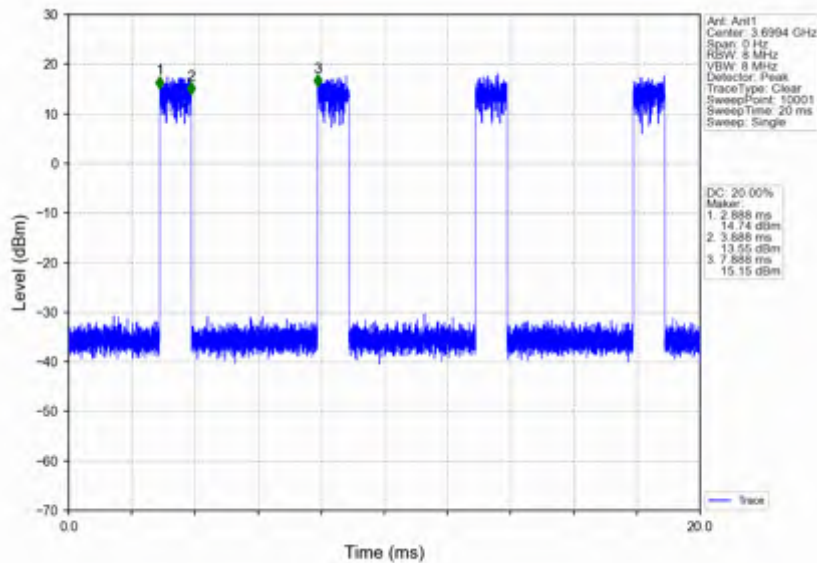
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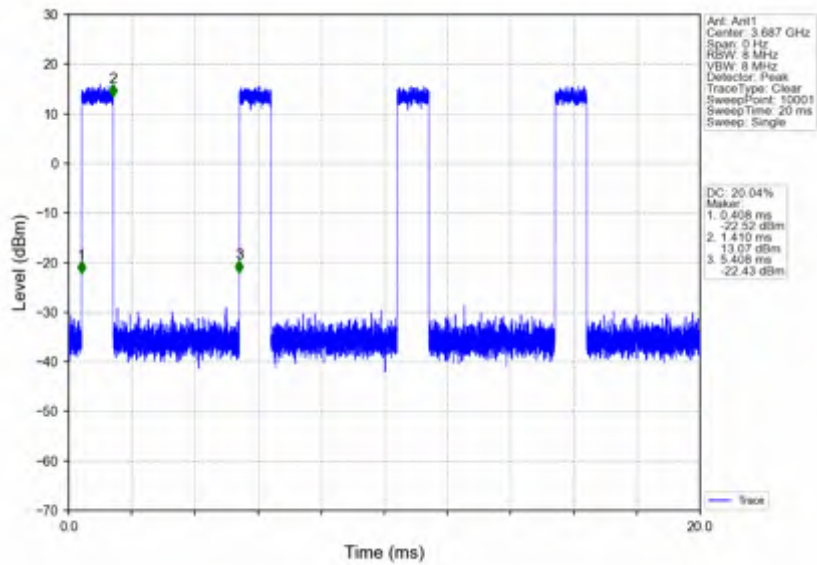
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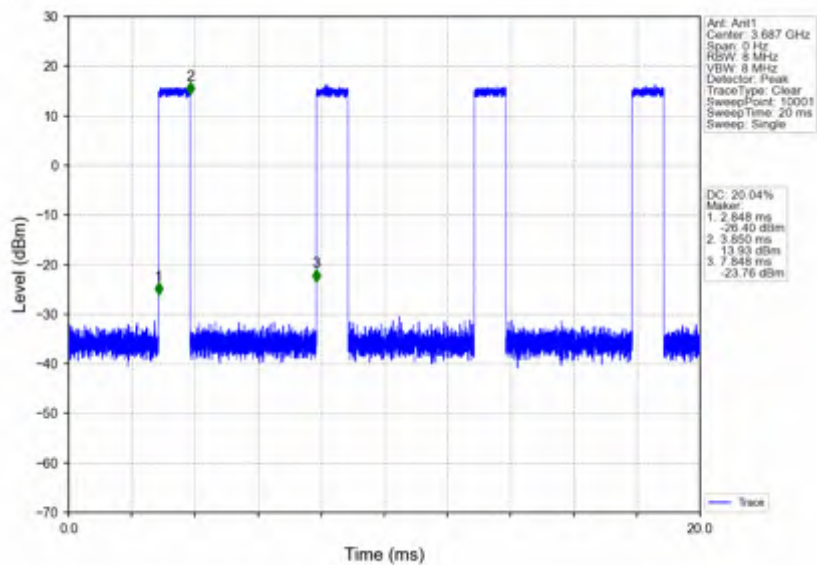
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_DFT-s-OFDM PI/2 BPSK\_3687.495MHz\_Outer\_Full



n78d\_15kHz\_SISO\_NTNV\_25MHz\_DFT-s-OFDM PI/2 BPSK\_3687.495MHz\_Inner\_Full



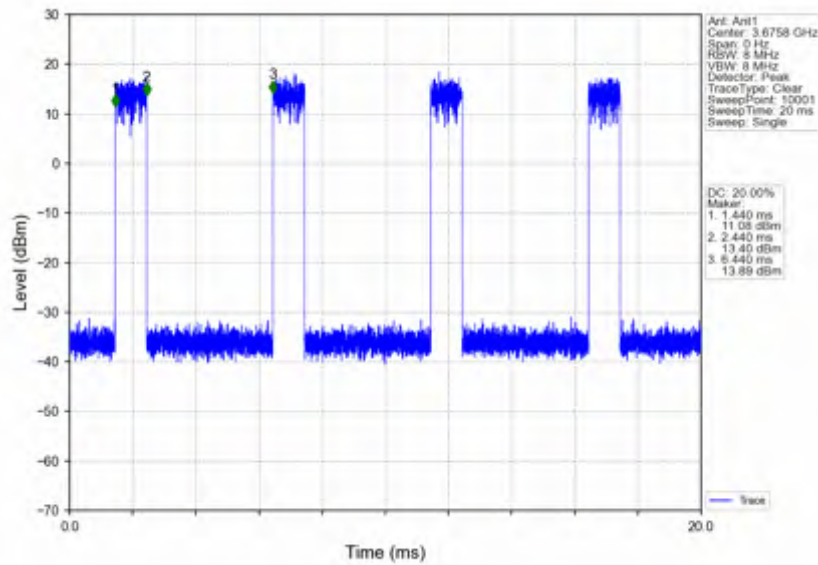
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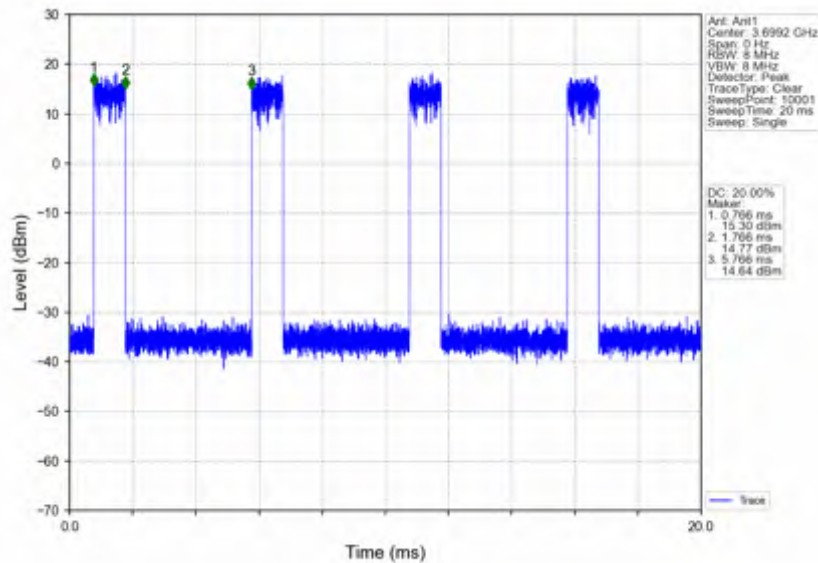
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_DFT-s-OFDM PI/2 BPSK\_3687.495MHz\_Inner\_1RB\_Left



n78d\_15kHz\_SISO\_NTNV\_25MHz\_DFT-s-OFDM PI/2 BPSK\_3687.495MHz\_Inner\_1RB\_Right



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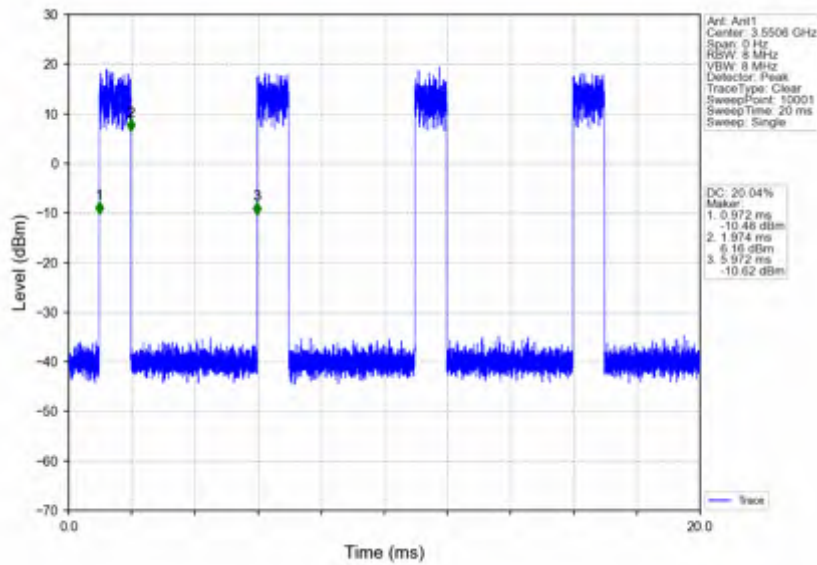
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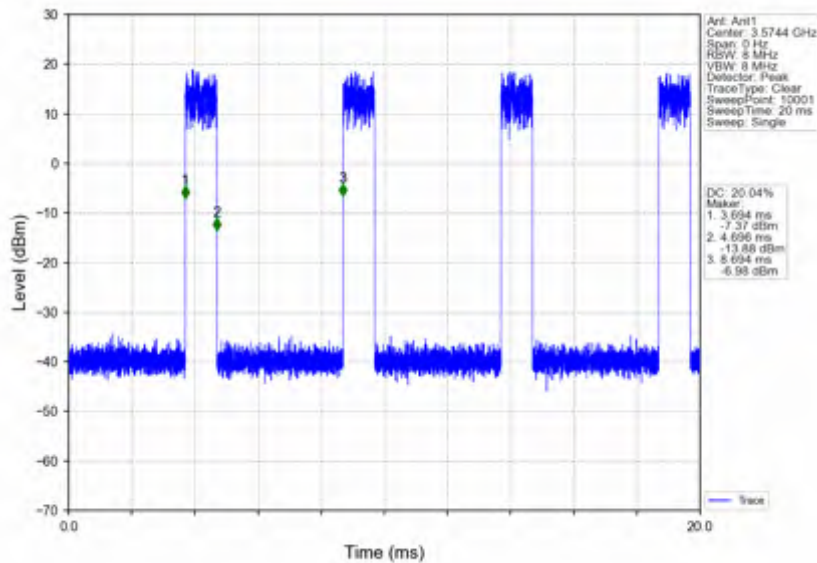
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_DFT-s-OFDM QPSK\_3562.5MHz\_Edge\_1RB\_Left



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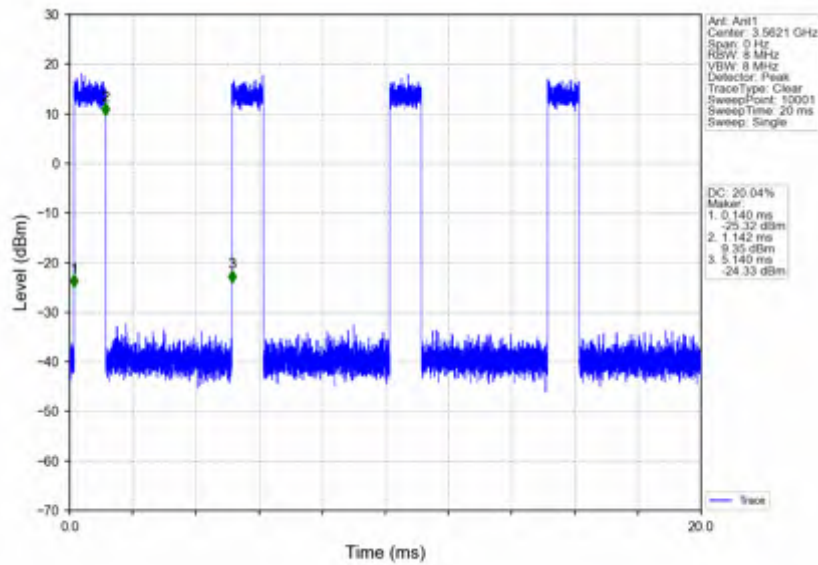
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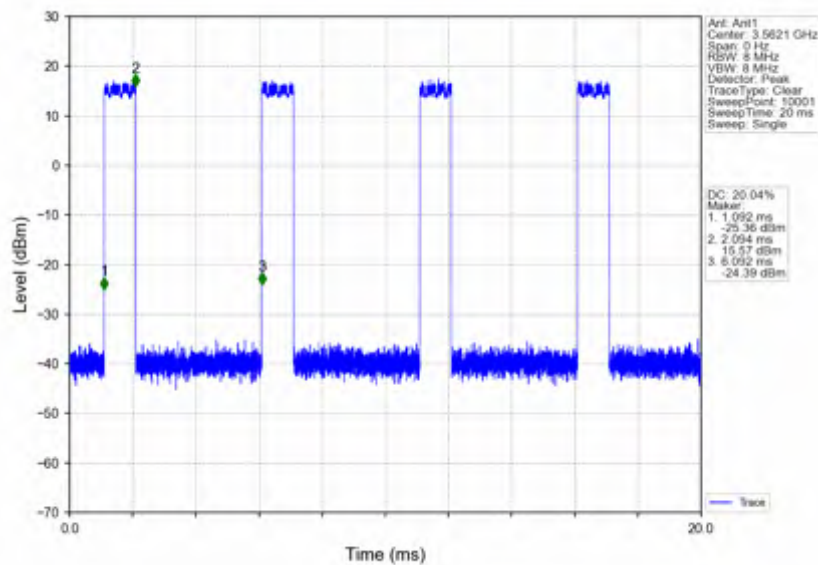
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_DFT-s-OFDM QPSK\_3562.5MHz\_Outer\_Full



n78d\_15kHz\_SISO\_NTNV\_25MHz\_DFT-s-OFDM QPSK\_3562.5MHz\_Inner\_Full

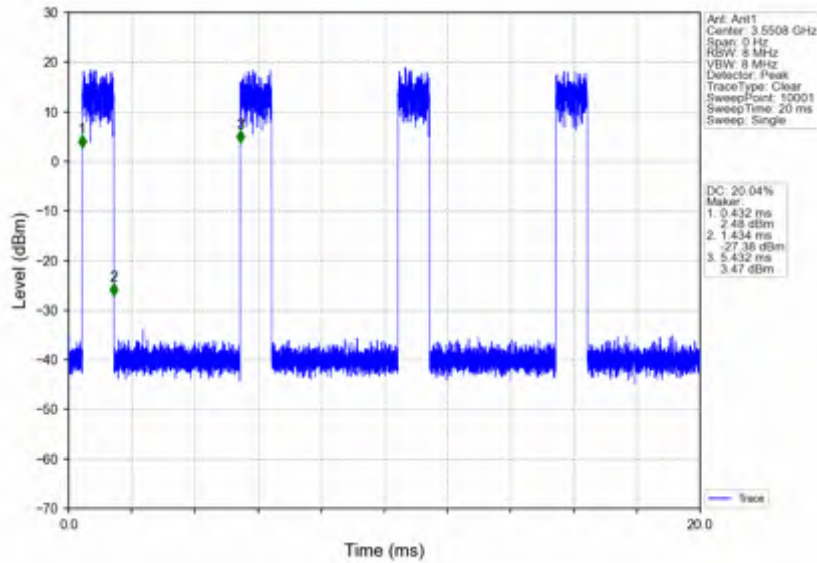


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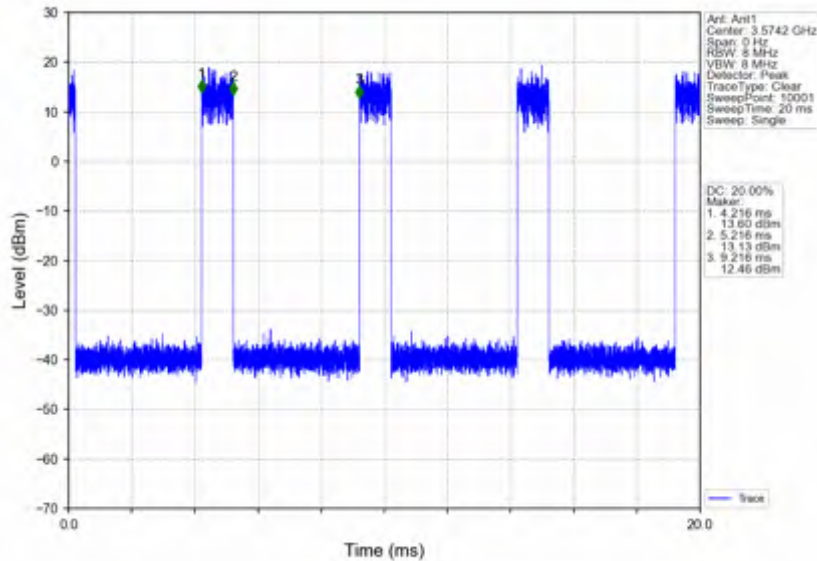
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_DFT-s-OFDM QPSK\_3562.5MHz\_Inner\_1RB\_Left



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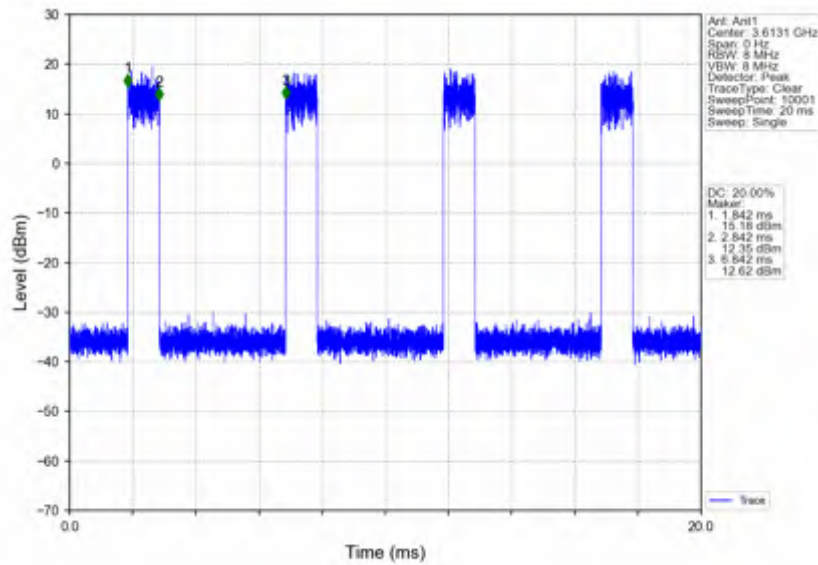


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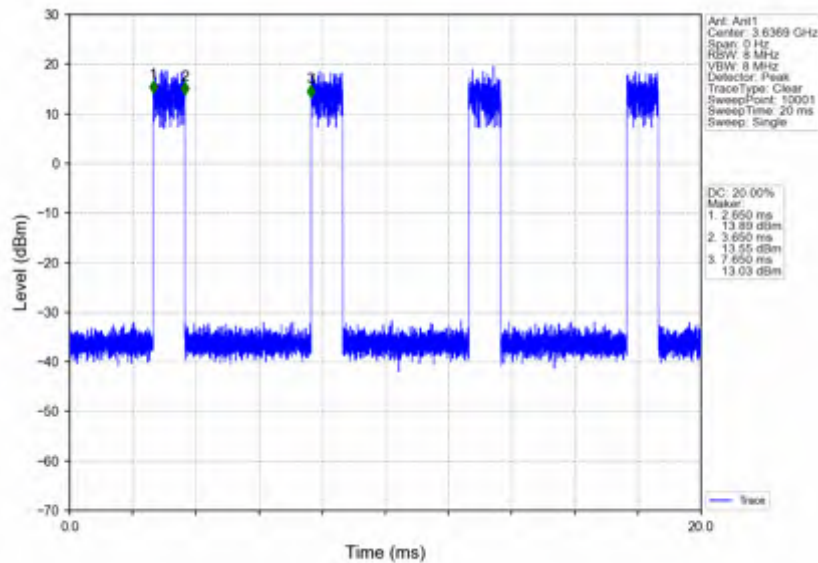
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_DFT-s-OFDM QPSK\_3625.005MHz\_Edge\_1RB\_Left



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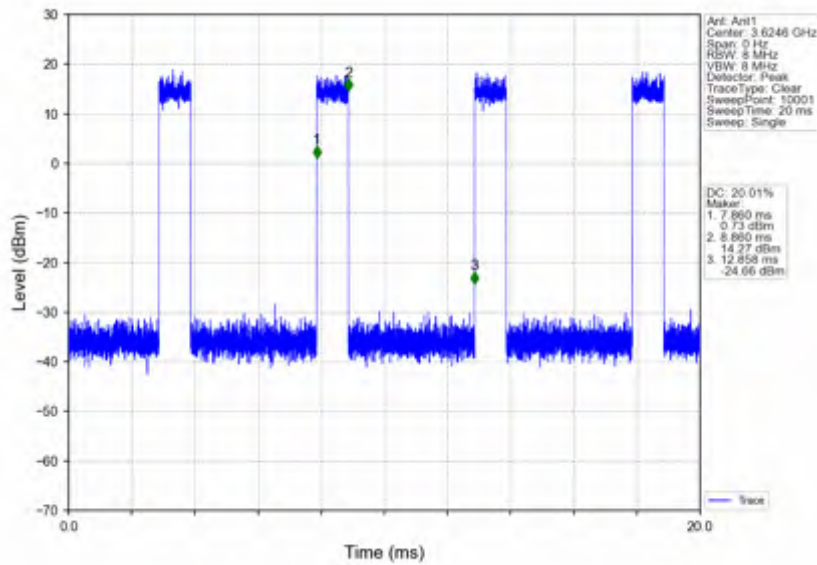


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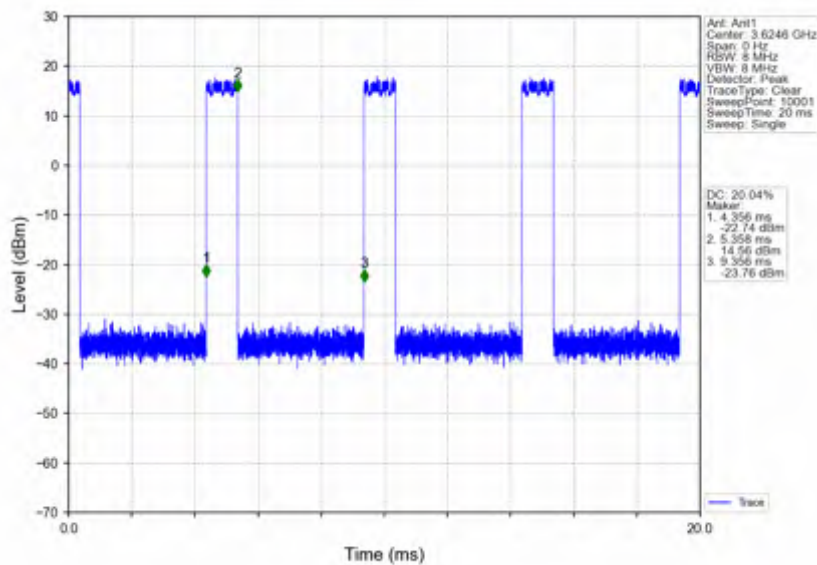
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_DFT-s-OFDM QPSK\_3625.005MHz\_Outer\_Full



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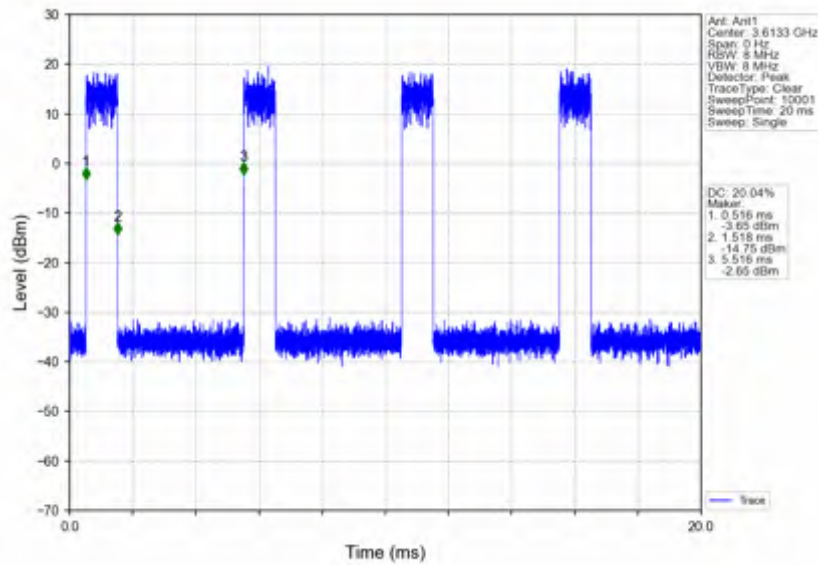
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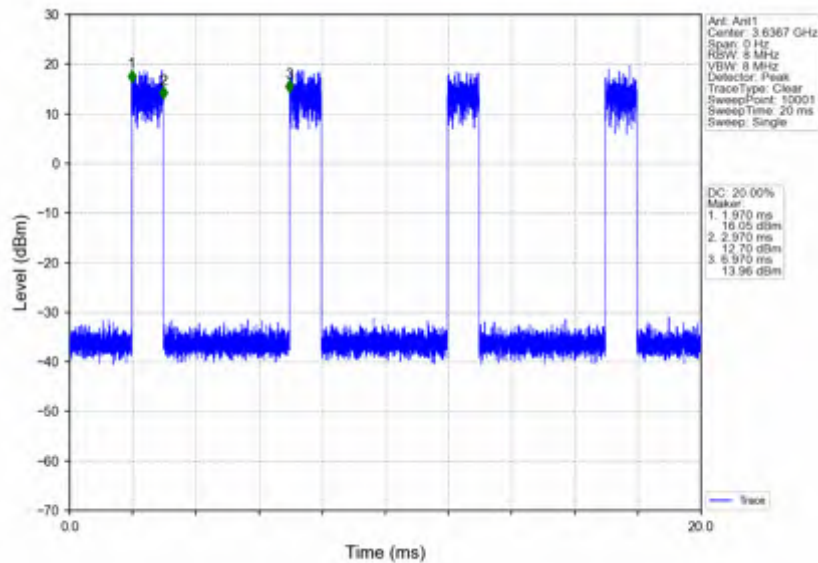
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_DFT-s-OFDM QPSK\_3625.005MHz\_Inner\_1RB\_Left



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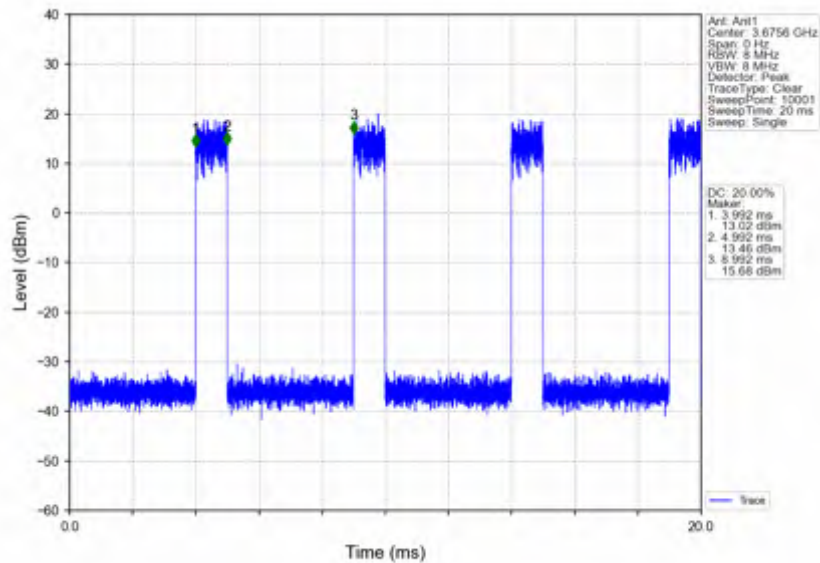
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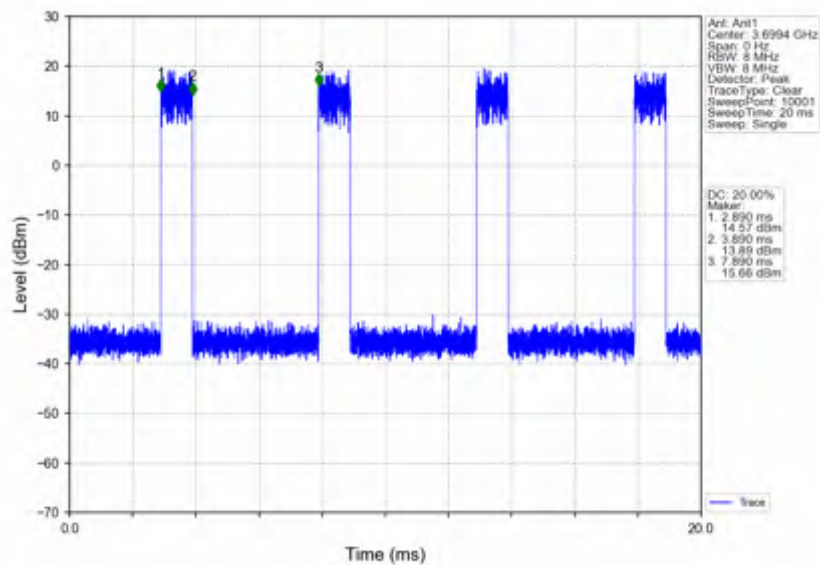
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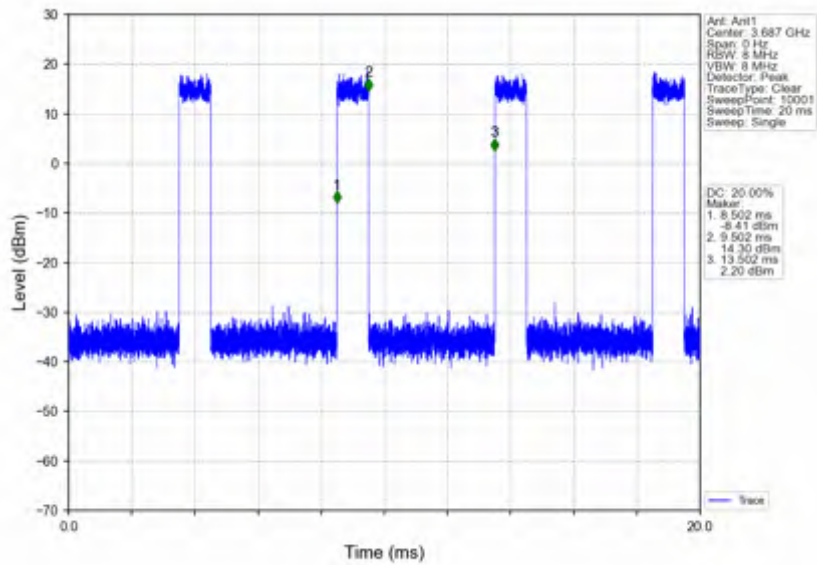
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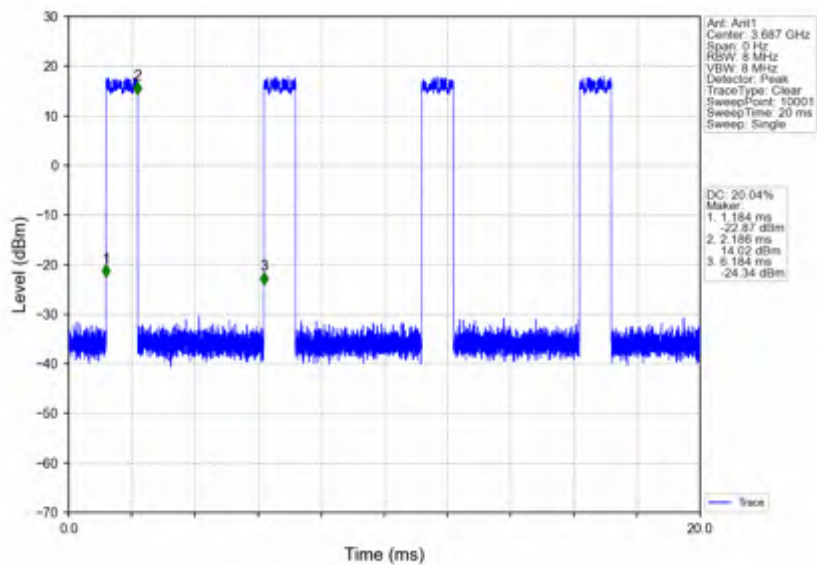
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_DFT-s-OFDM QPSK\_3687.495MHz\_Inner\_Full



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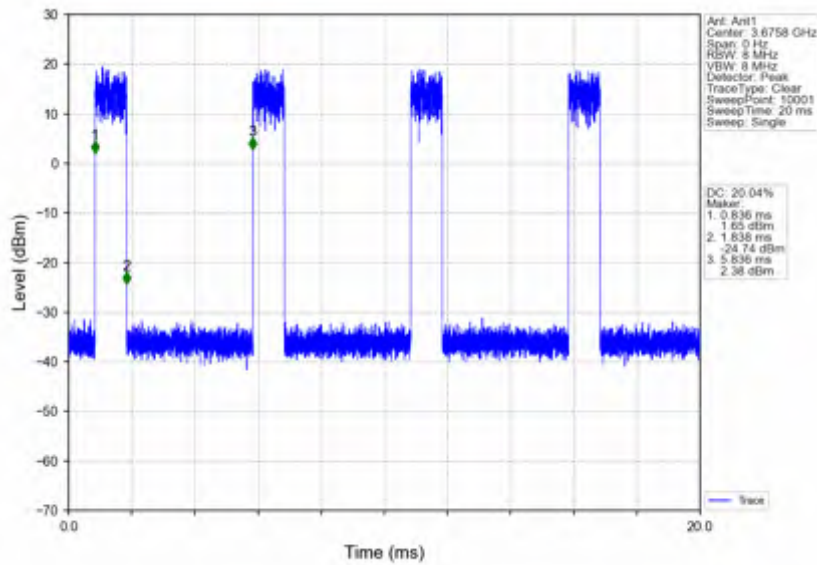
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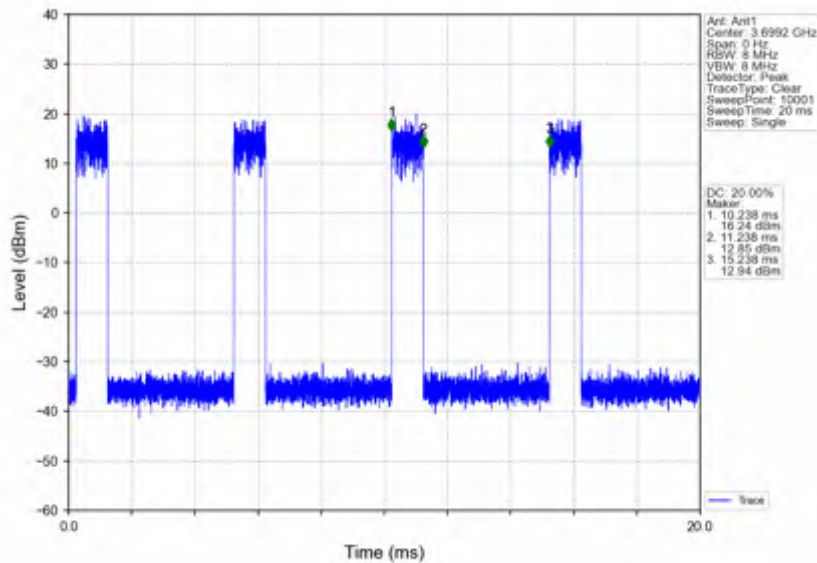
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_DFT-s-OFDM QPSK\_3687.495MHz\_Inner\_1RB\_Left



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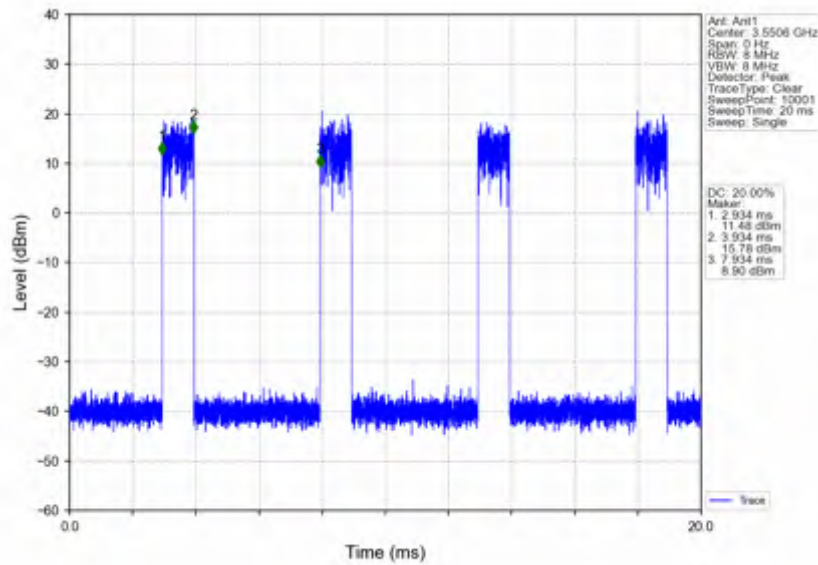
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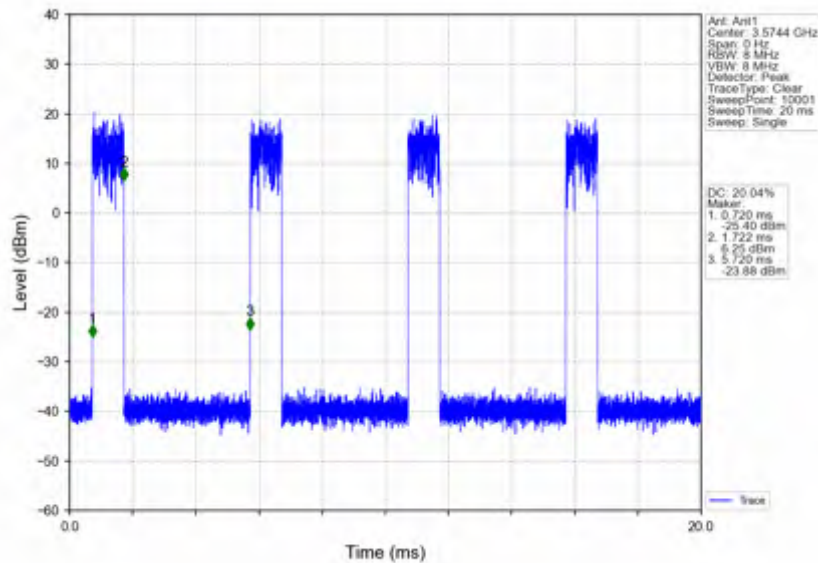
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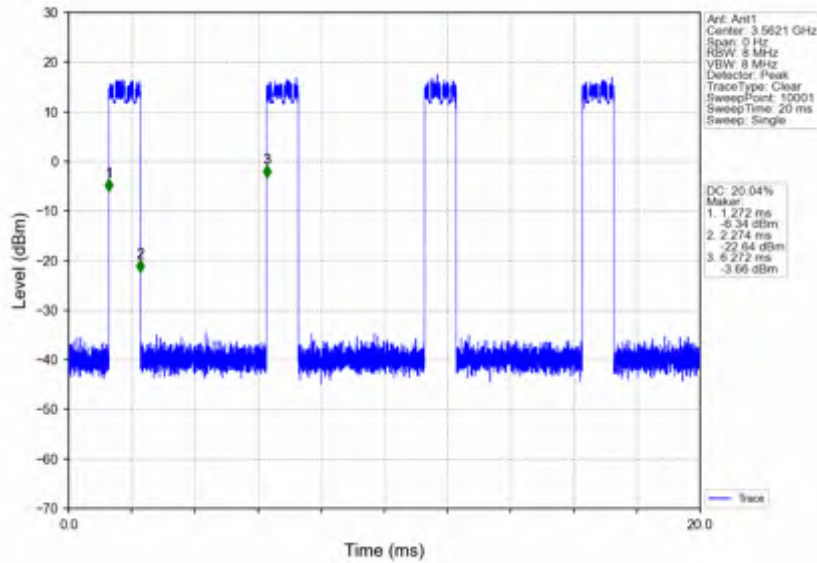


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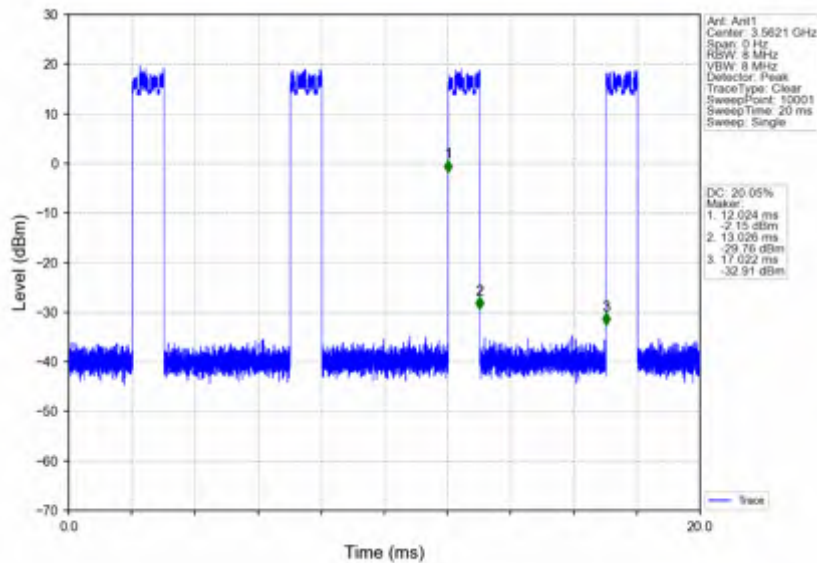
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_DFT-s-OFDM 16 QAM\_3562.5MHz\_Outer\_Full



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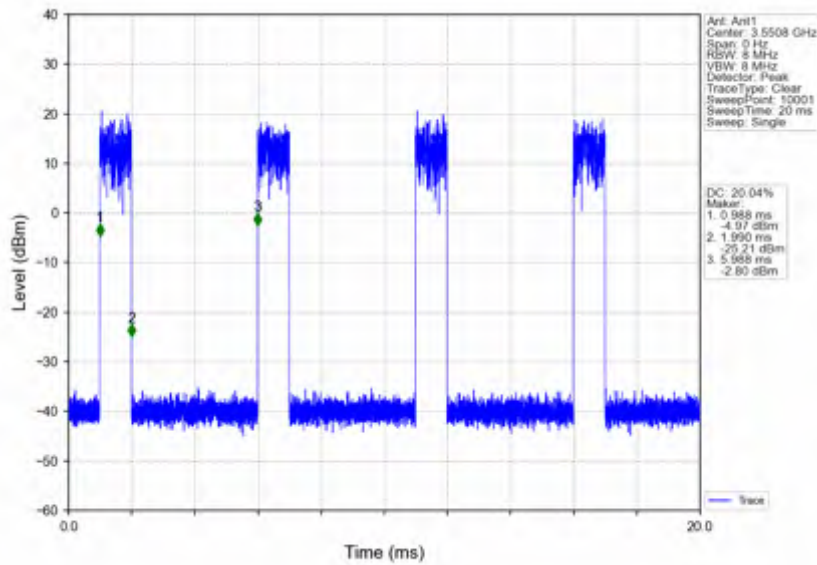


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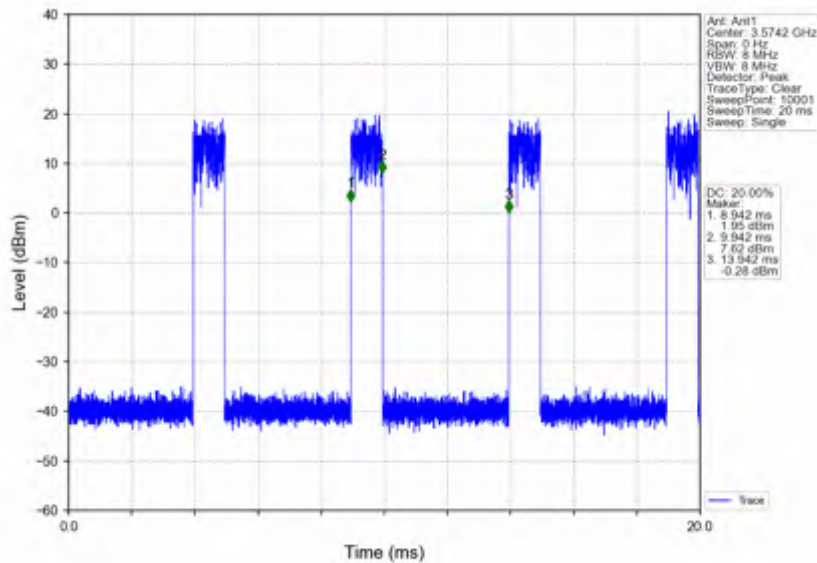
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_DFT-s-OFDM\_16 QAM\_3562.5MHz\_Inner\_1RB\_Left



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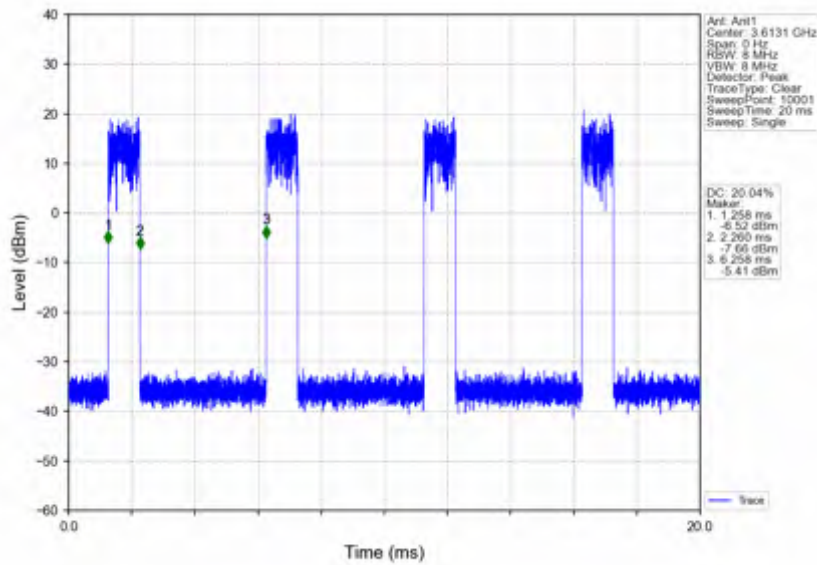
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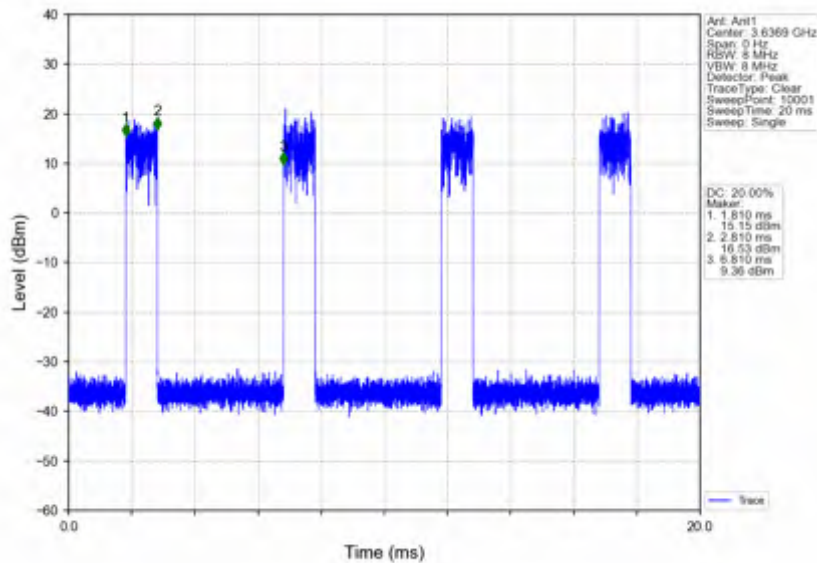
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_DFT-s-OFDM\_16 QAM\_3625.005MHz\_Edge\_1RB\_Left



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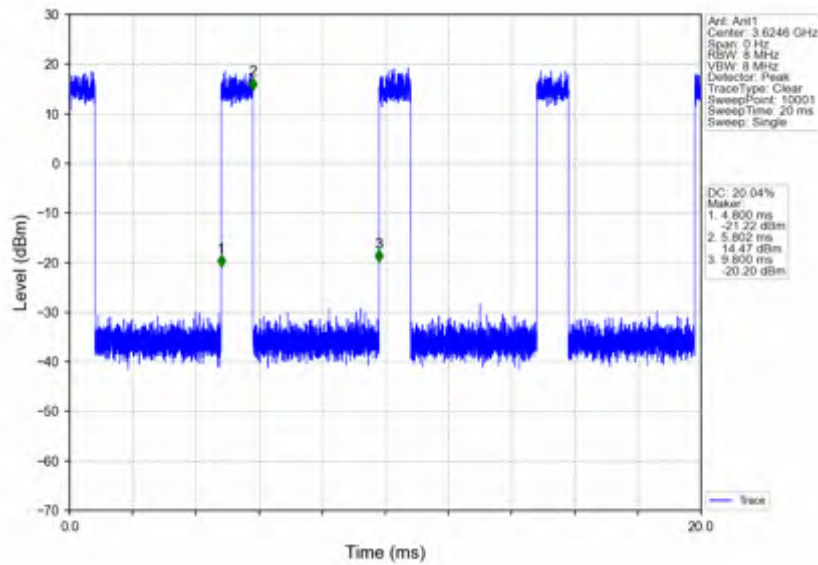


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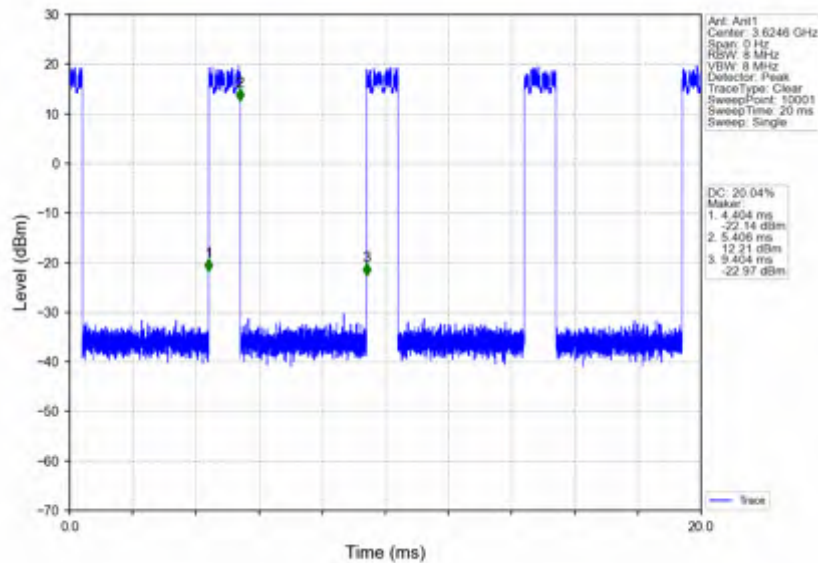
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_DFT-s-OFDM\_16\_QAM\_3625.005MHz\_Outer\_Full



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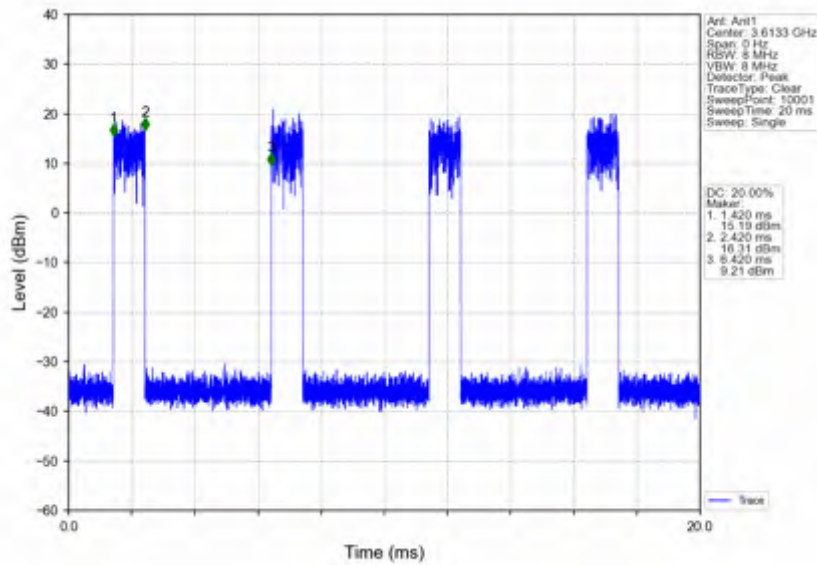
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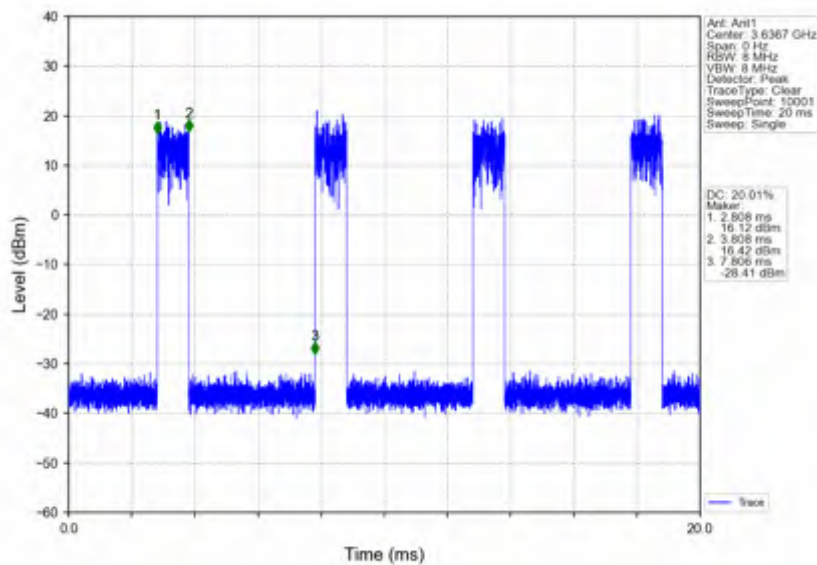
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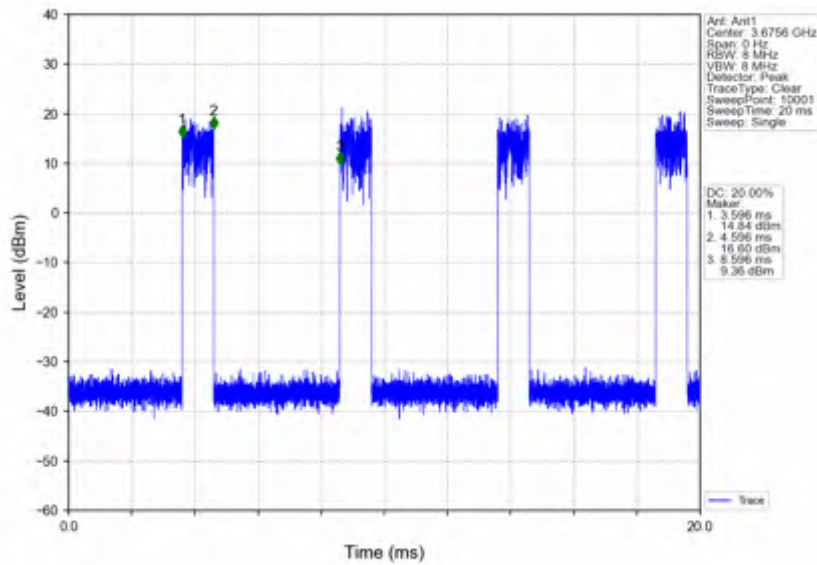


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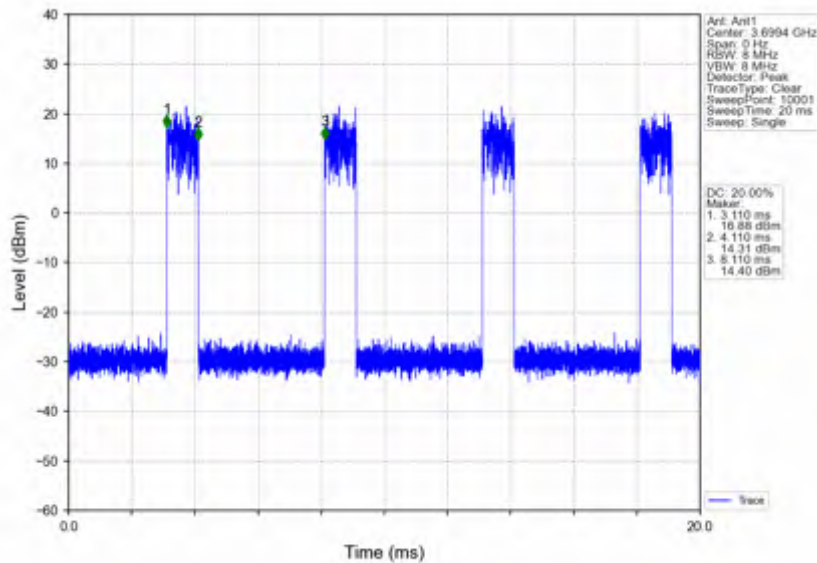
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_DFT-s-OFDM\_16 QAM\_3687.495MHz\_Edge\_1RB\_Left



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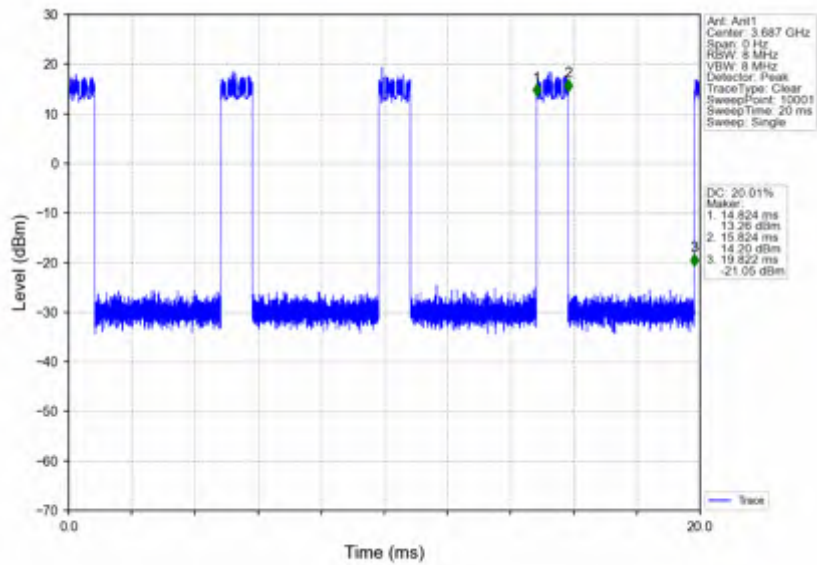
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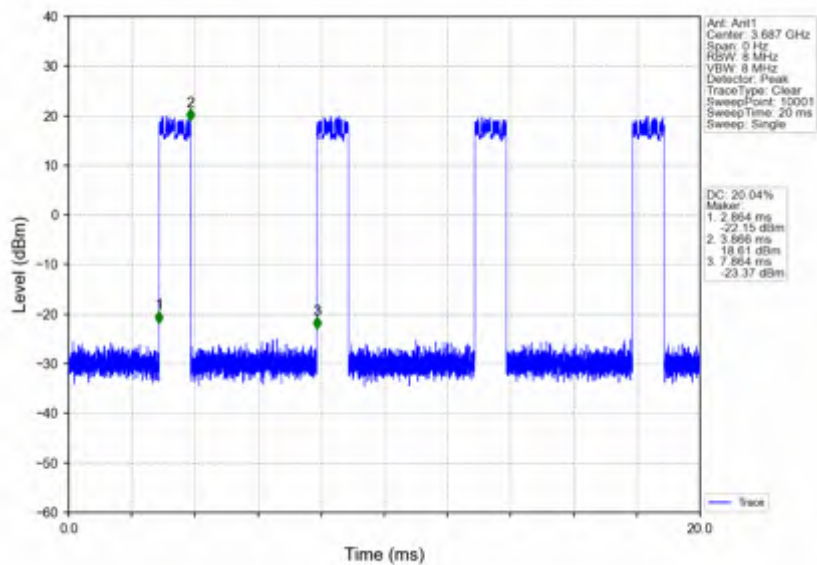
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_DFT-s-OFDM\_16\_QAM\_3687.495MHz\_Outer\_Full



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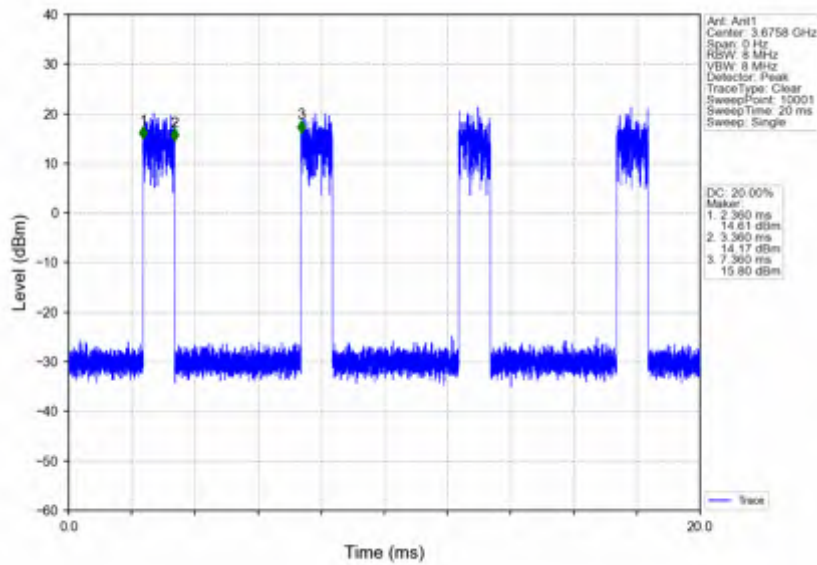
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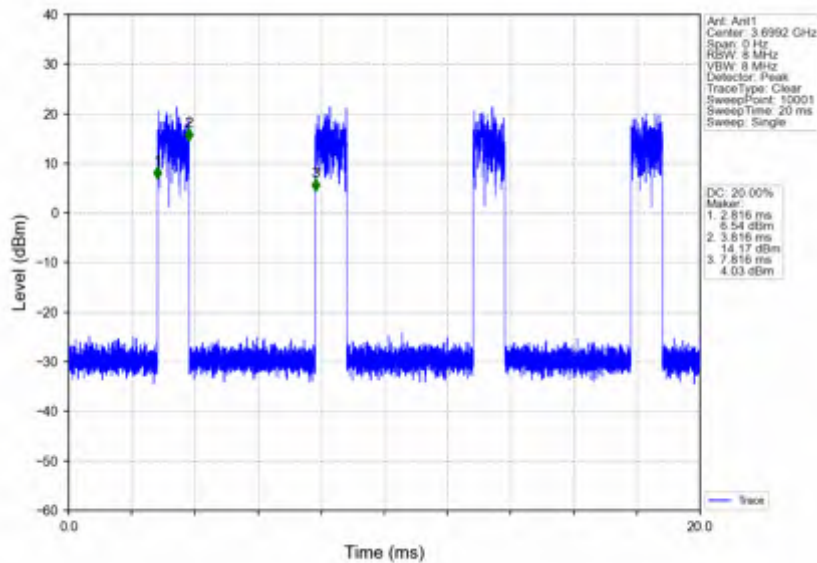
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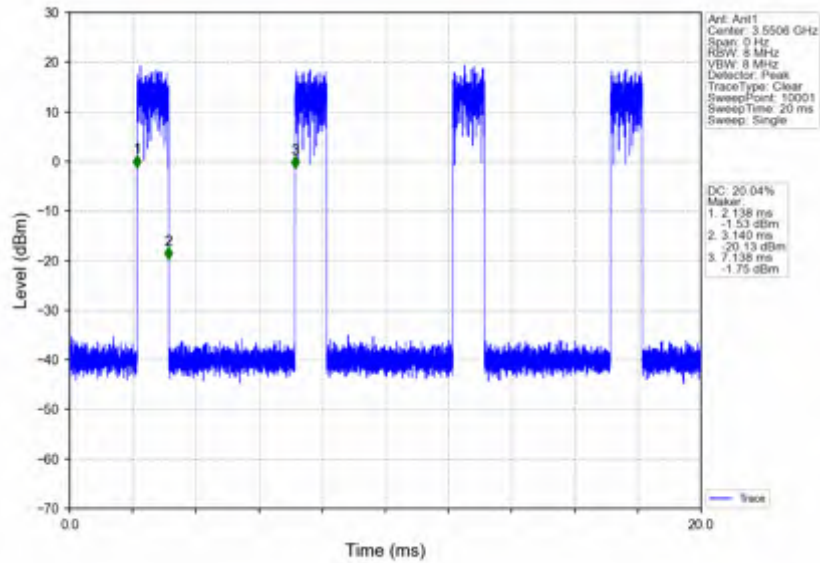
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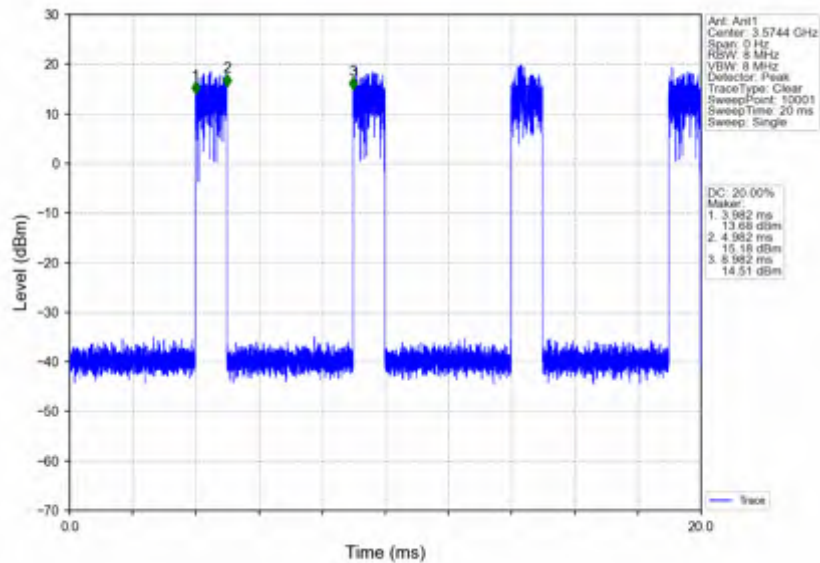
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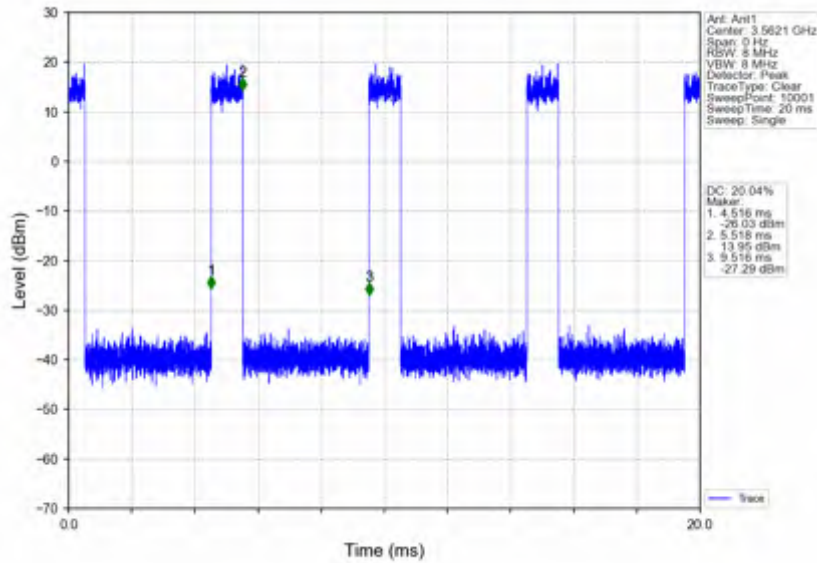
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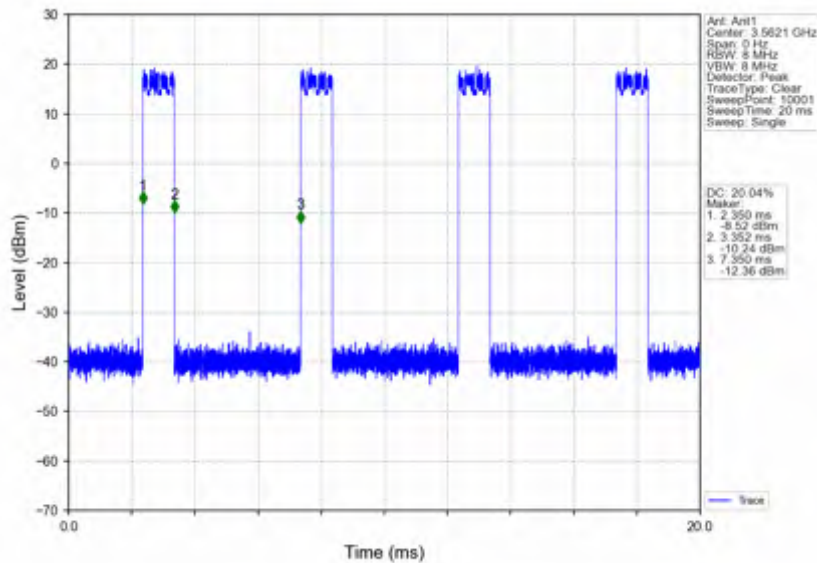
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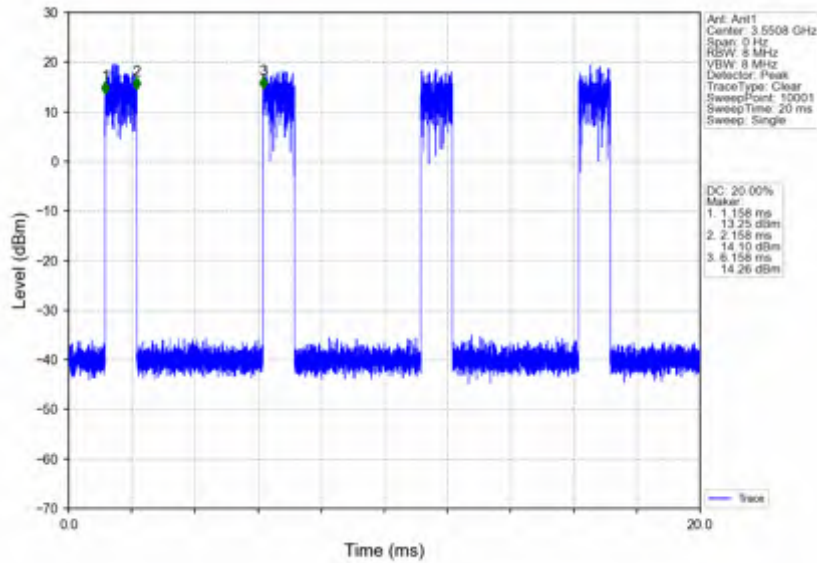
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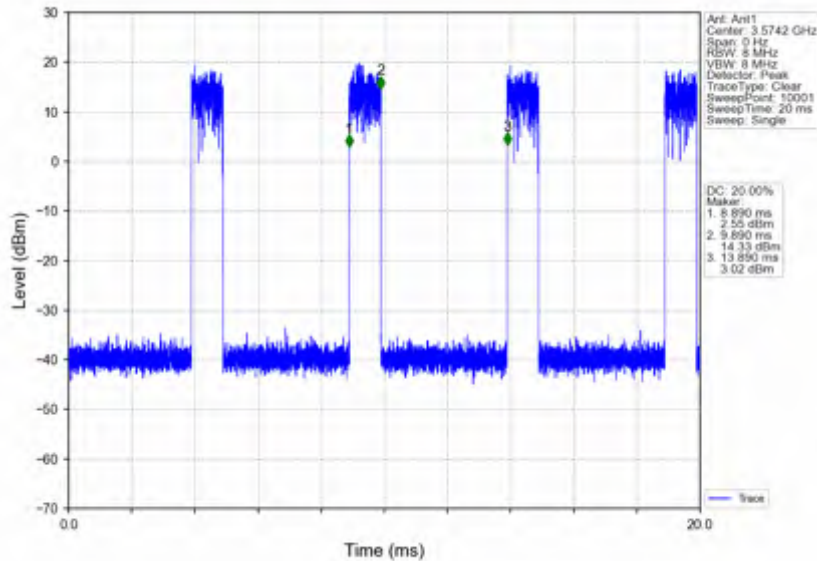
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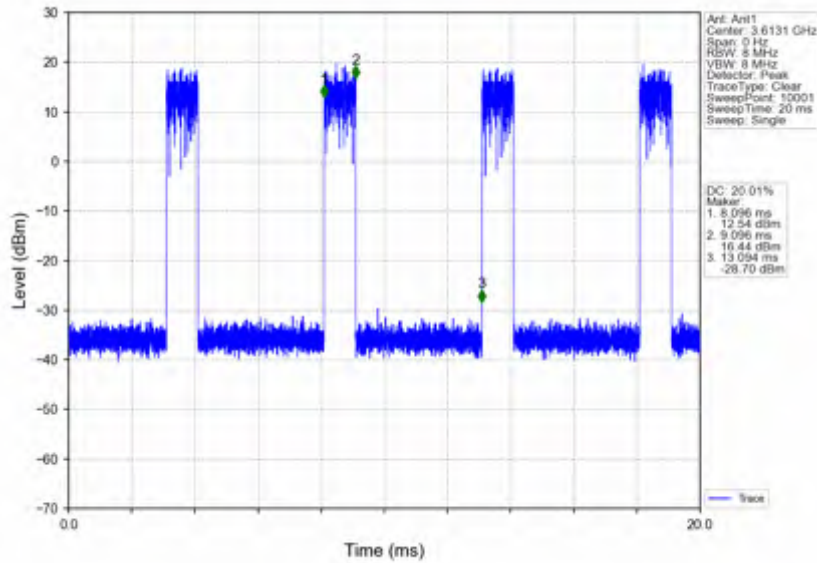


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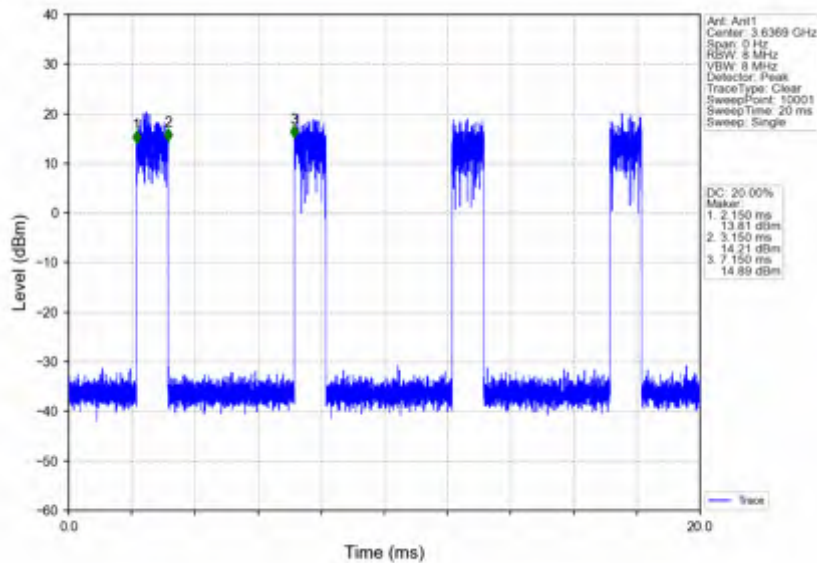
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_DFT-s-OFDM 64 QAM\_3625.005MHz\_Edge\_1RB\_Left



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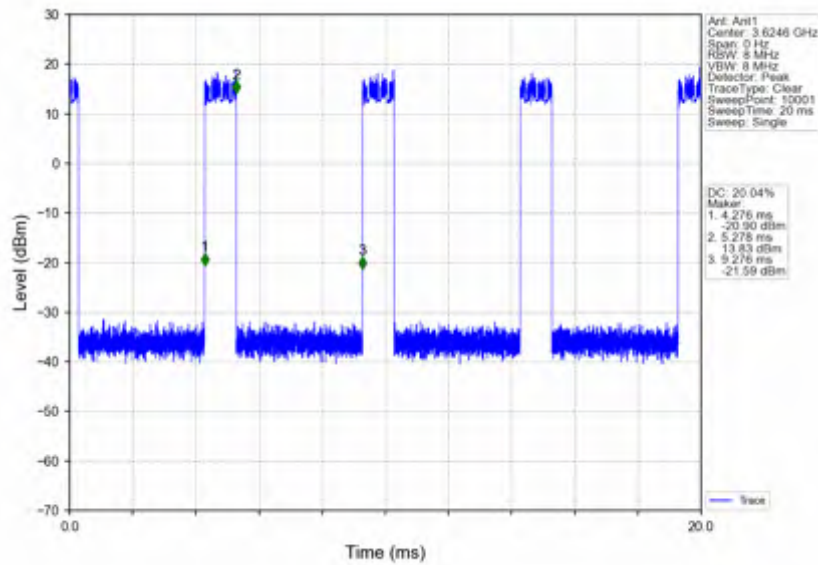


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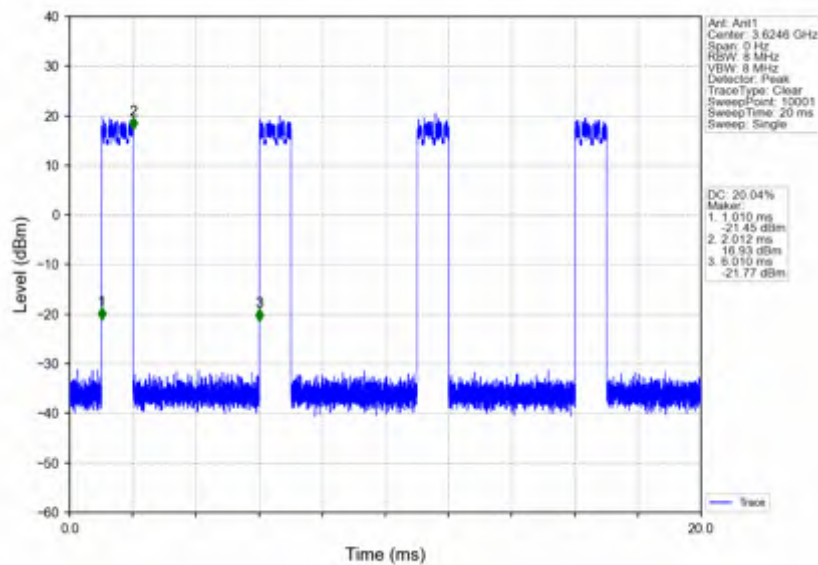
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_DFT-s-OFDM 64 QAM\_3625.005MHz\_Outer\_Full



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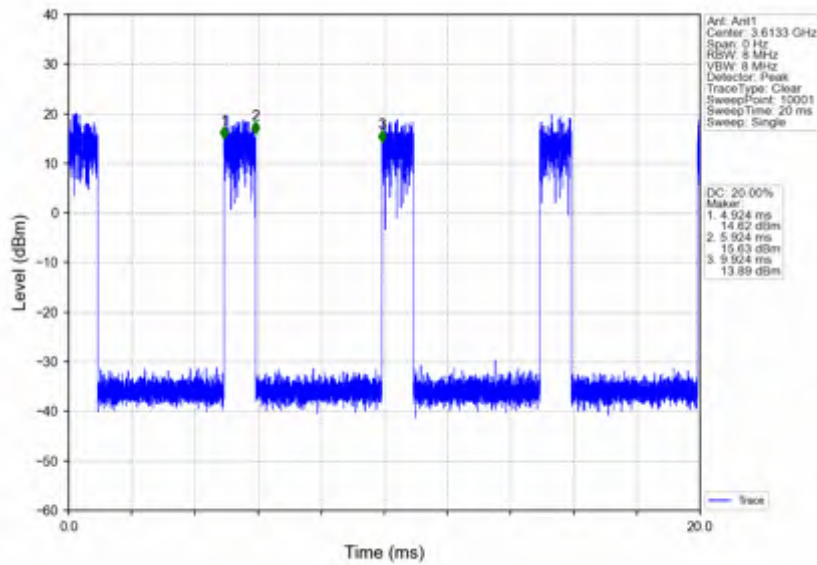
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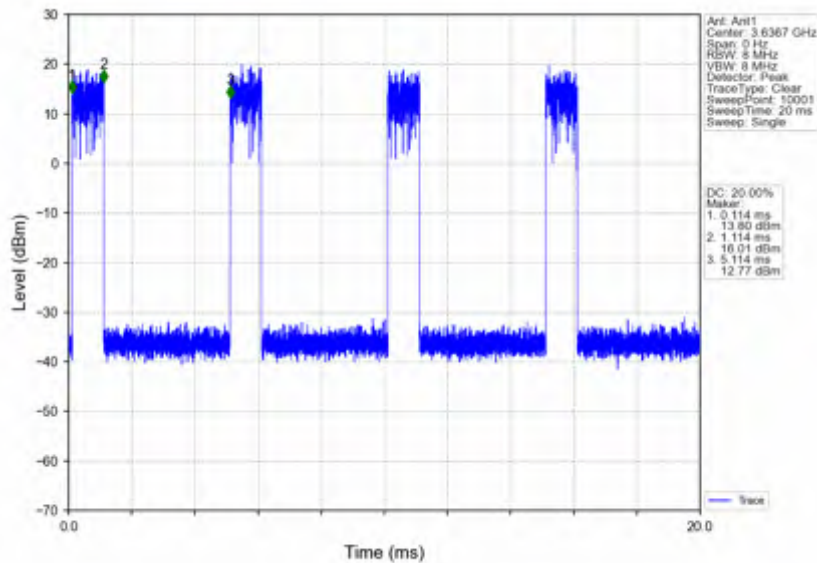
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_DFT-s-OFDM 64 QAM\_3625.005MHz\_Inner\_1RB\_Left



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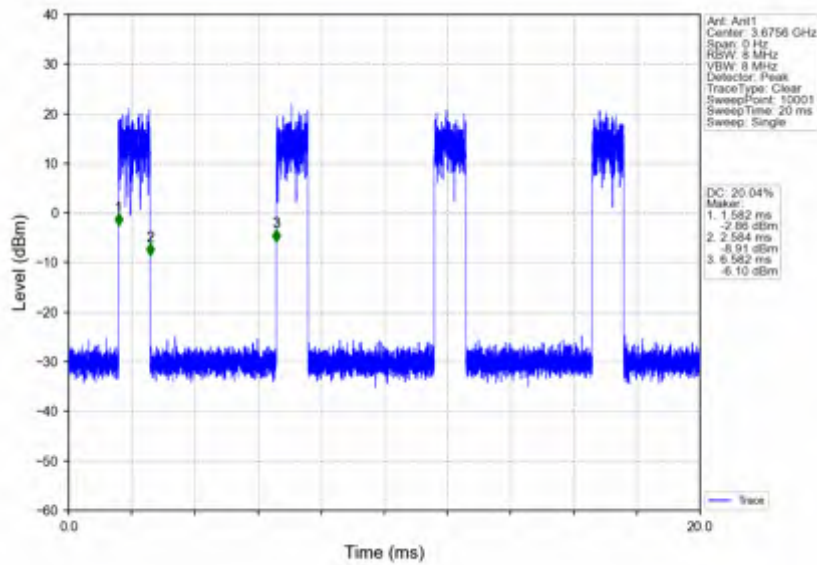
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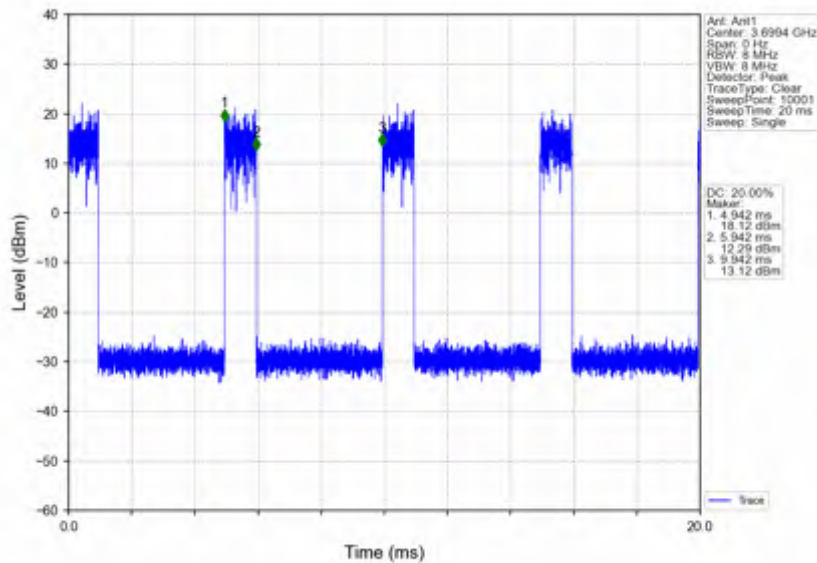
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_DFT-s-OFDM 64 QAM\_3687.495MHz\_Edge\_1RB\_Left



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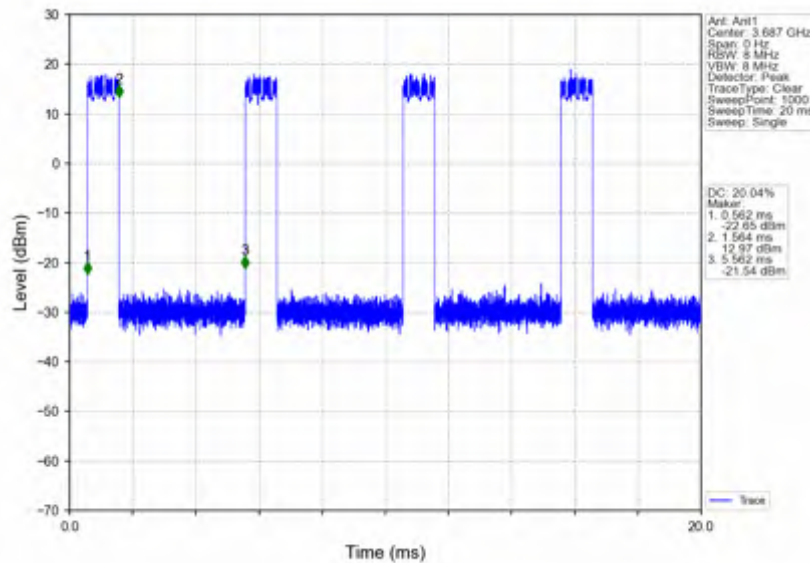


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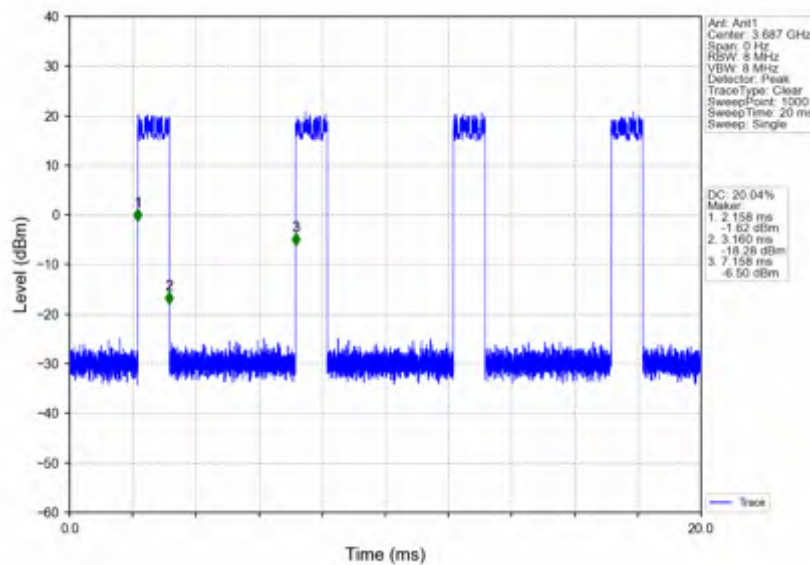
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_DFT-s-OFDM 64 QAM\_3687.495MHz\_Outer\_Full



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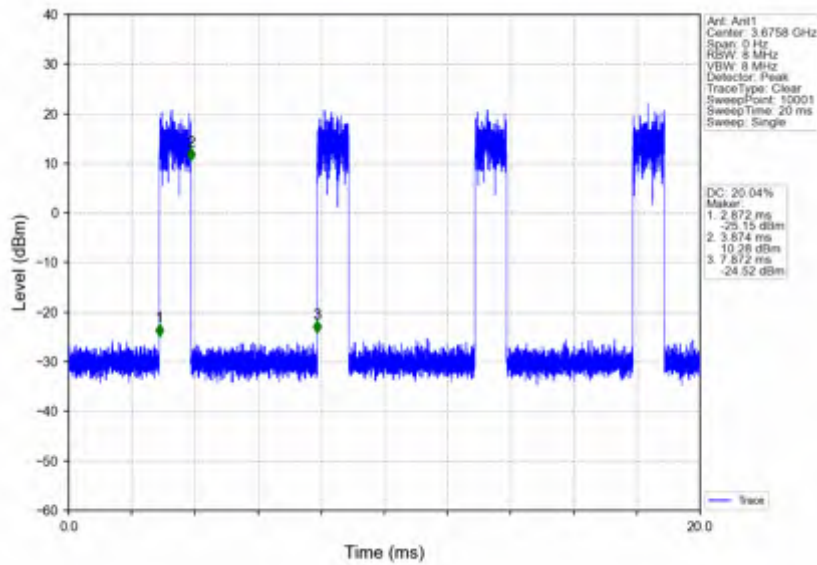


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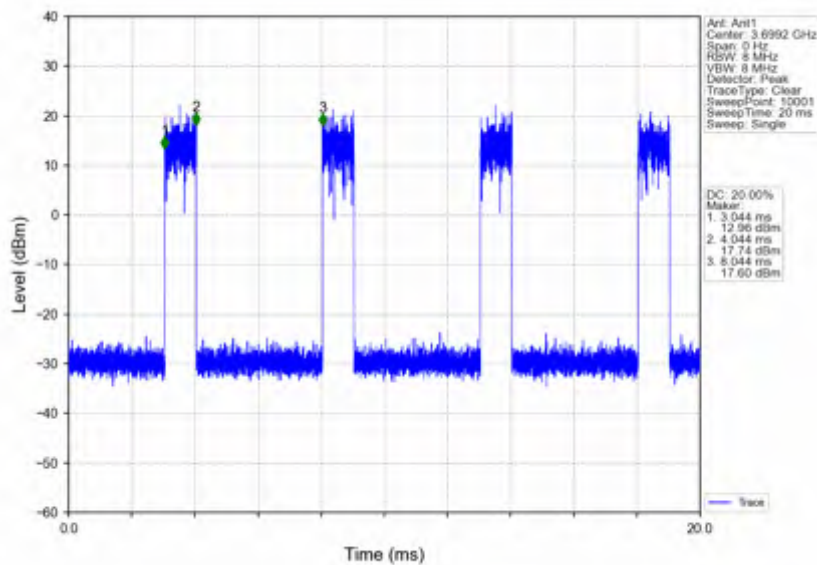
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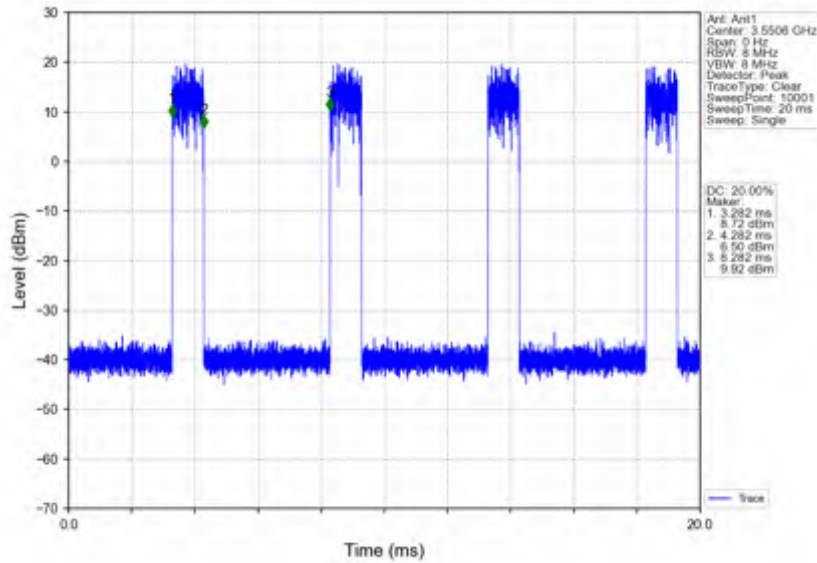
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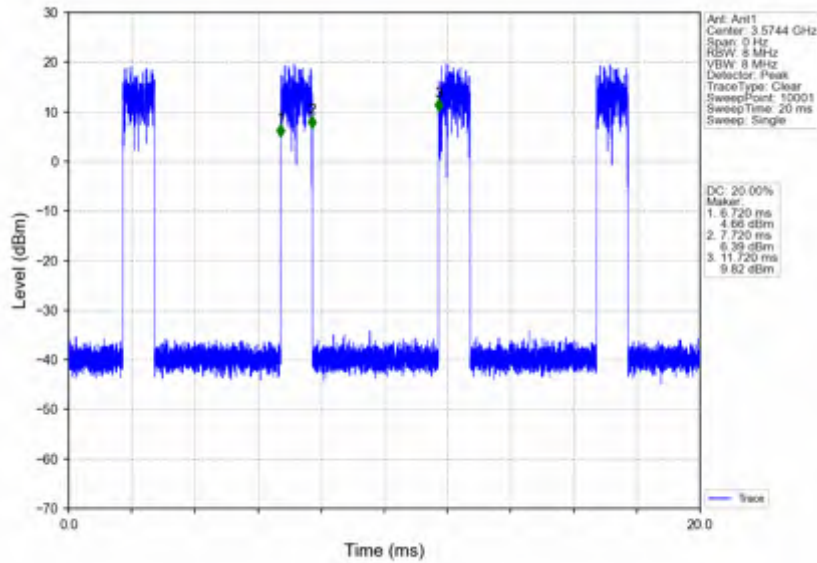
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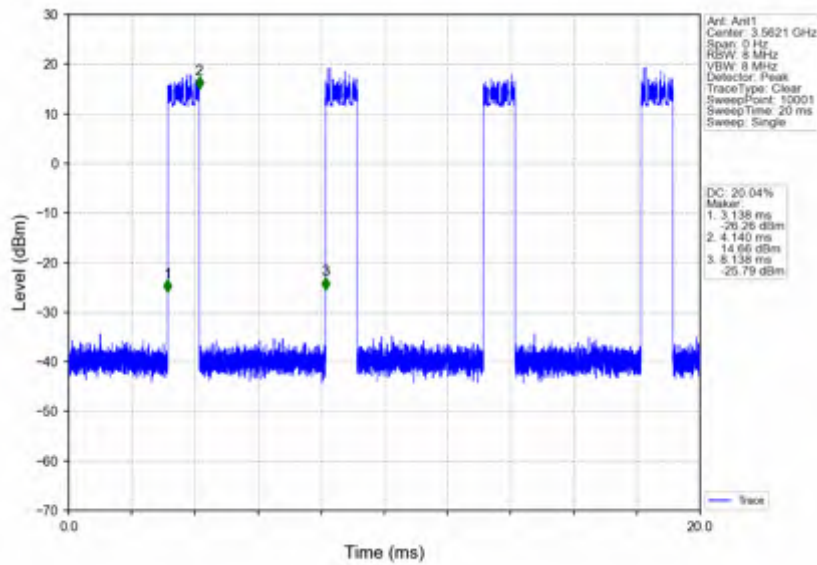
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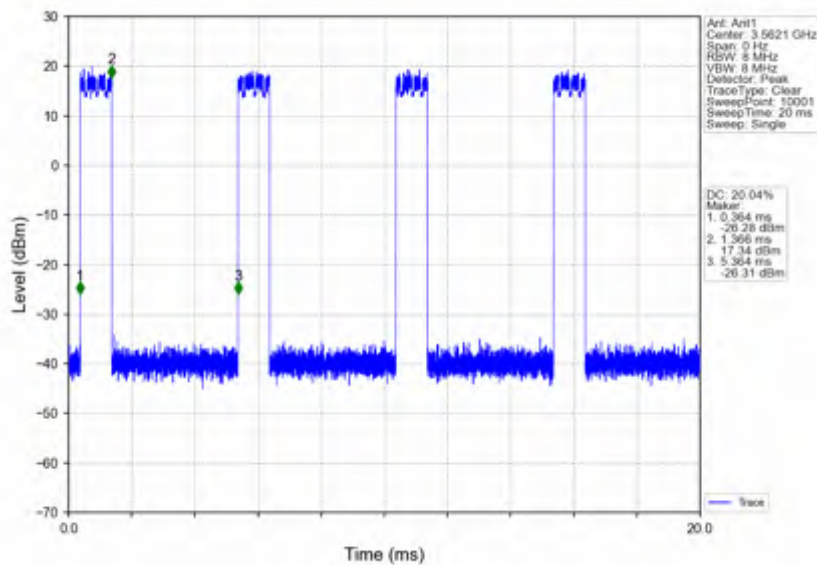
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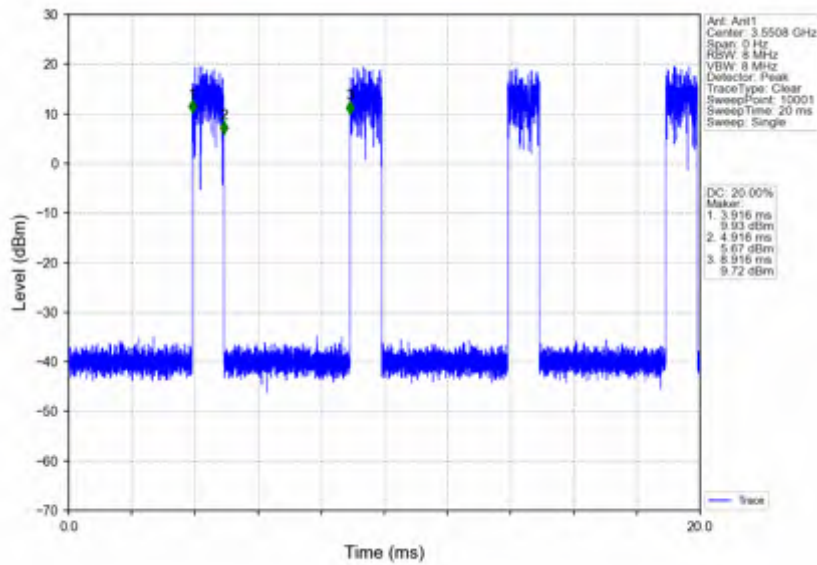


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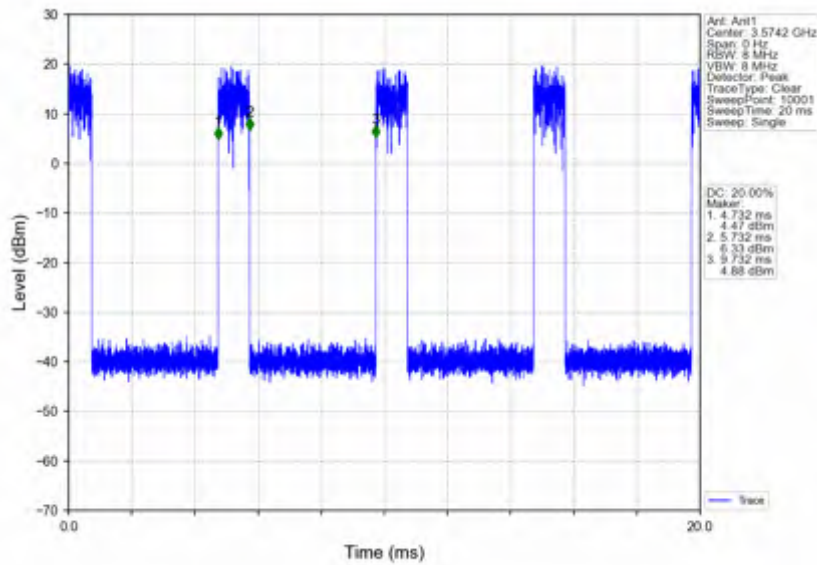
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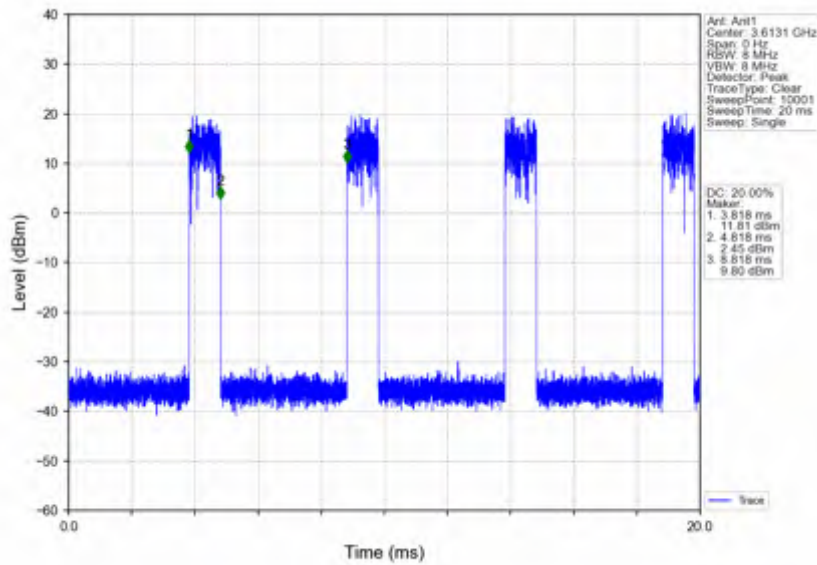
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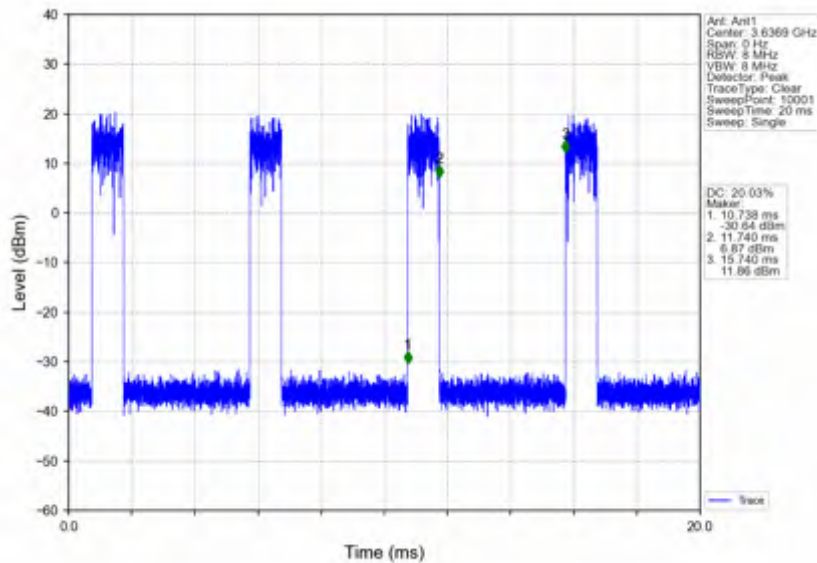
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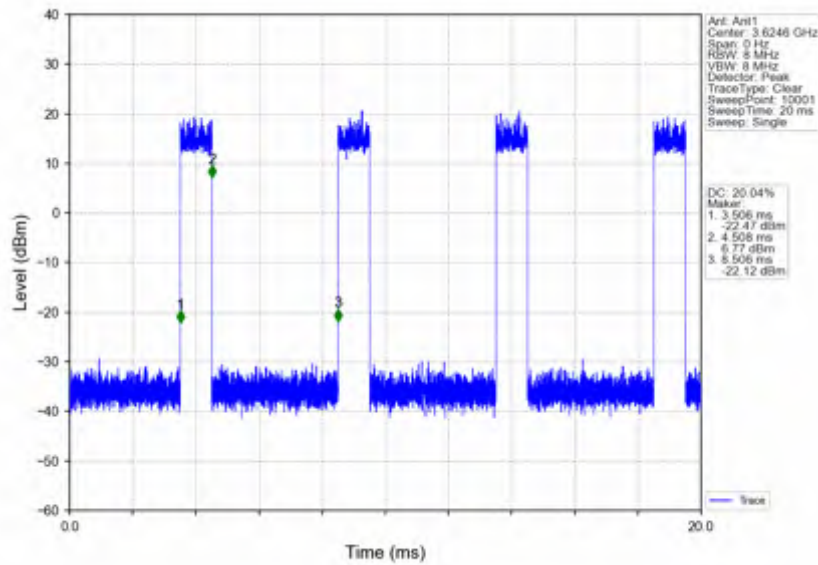


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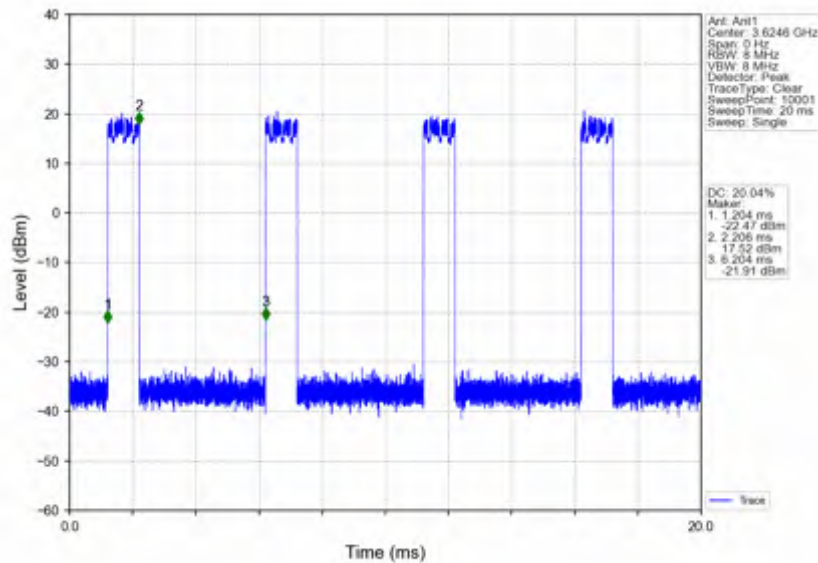
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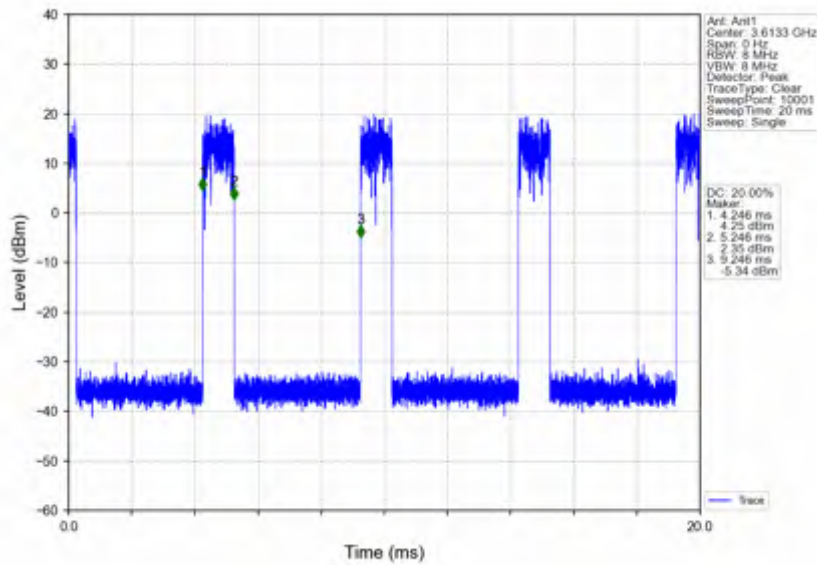
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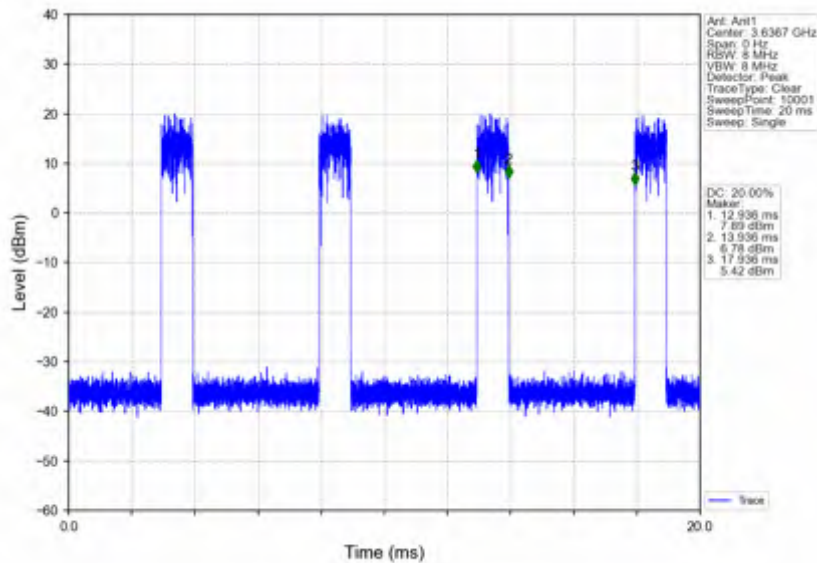
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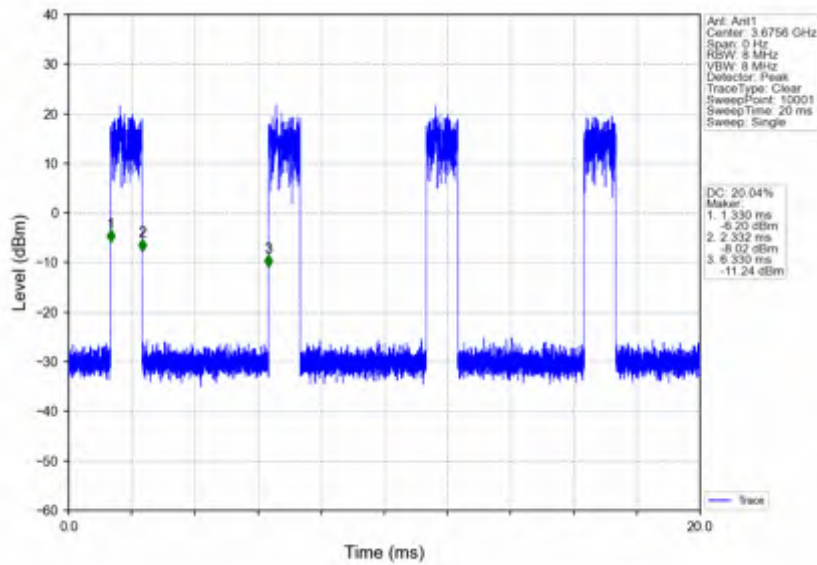


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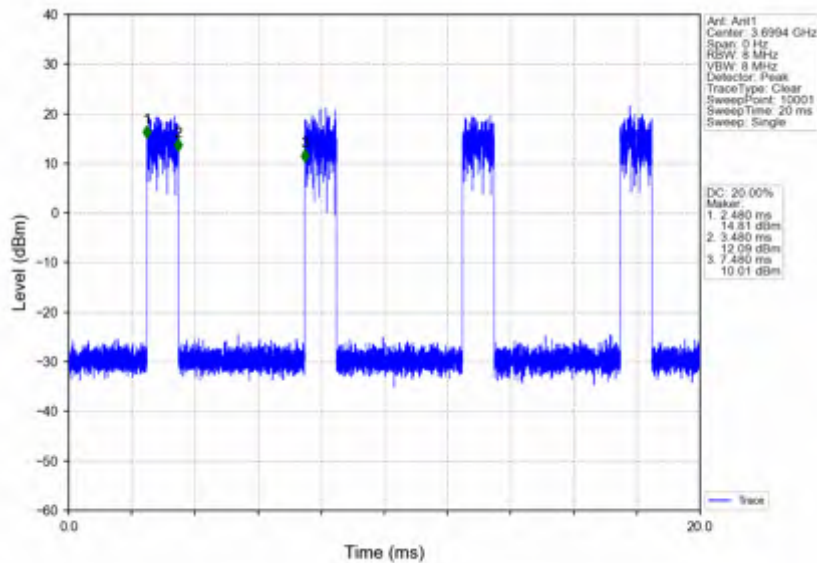
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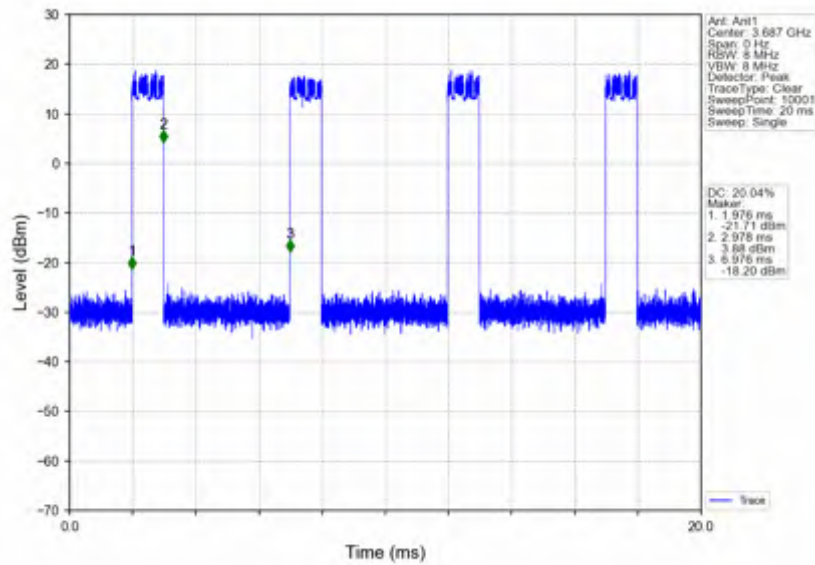
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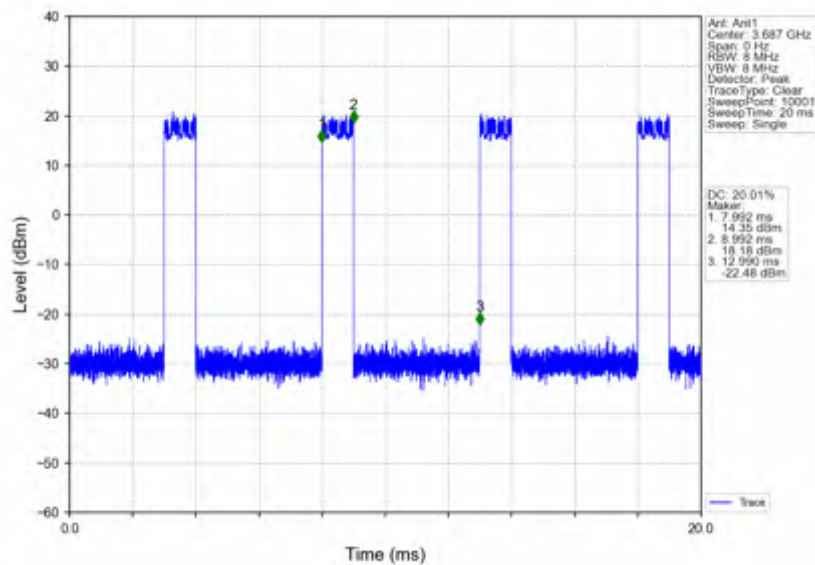
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_DFT-s-OFDM\_256 QAM\_3687.495MHz\_Outer\_Full



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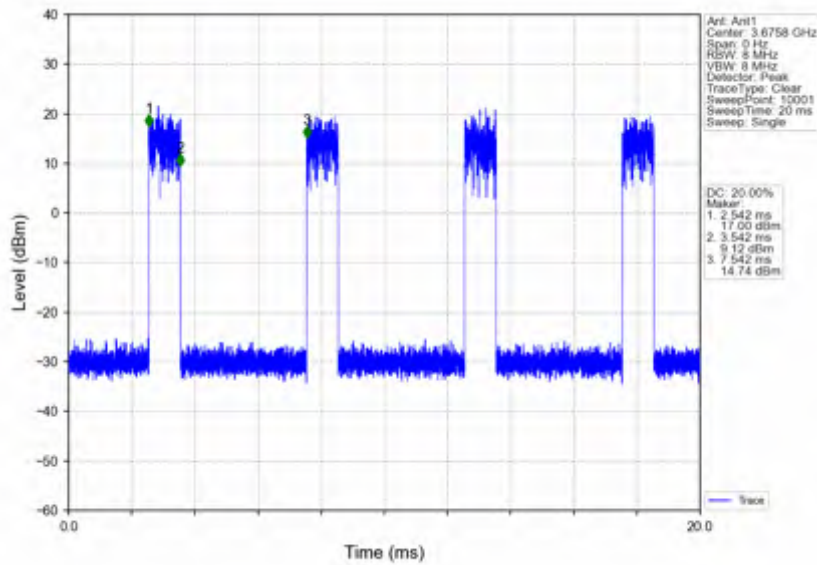
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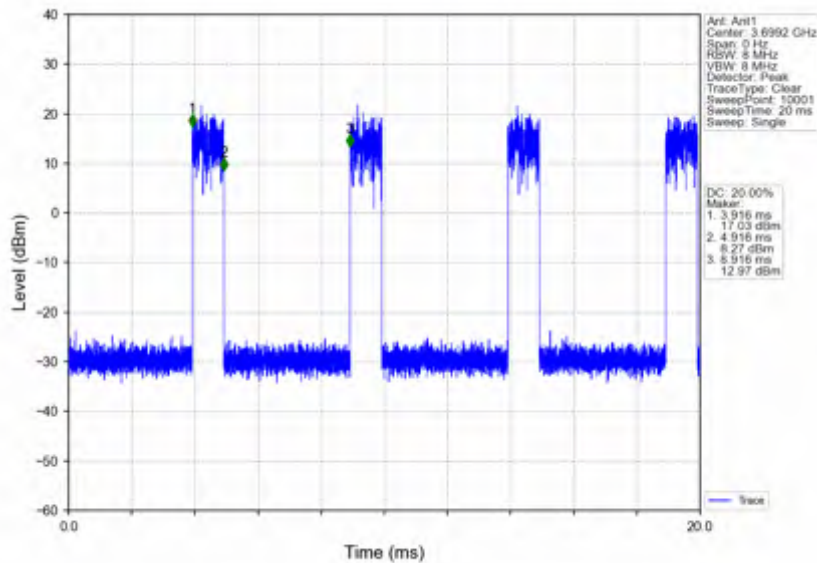
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_DFT-s-OFDM\_256\_QAM\_3687.495MHz\_Inner\_1RB\_Left



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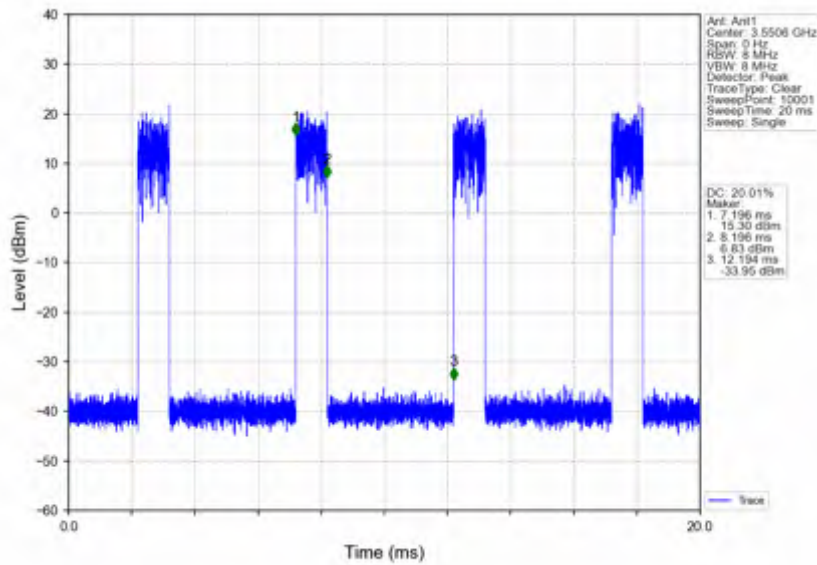
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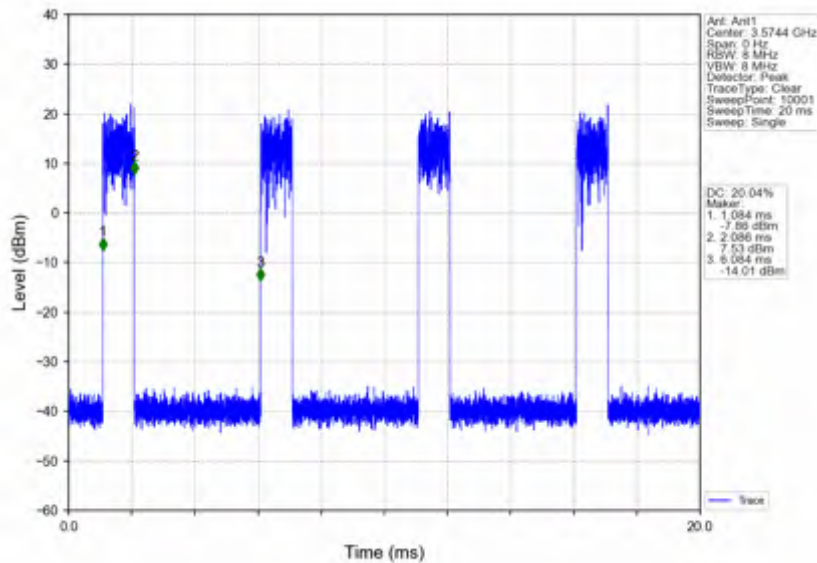
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_CP-OFDM QPSK\_3562.5MHz\_Edge\_1RB\_Left



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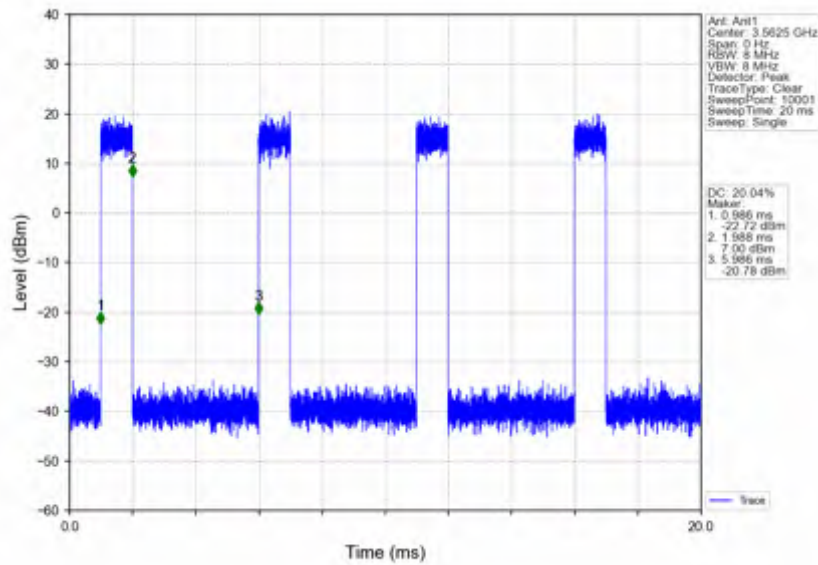
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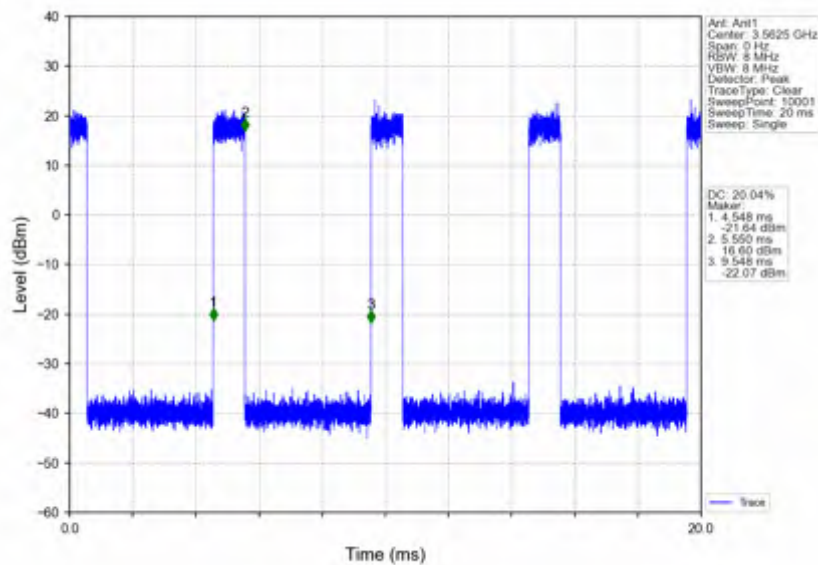
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_CP-OFDM QPSK\_3562.5MHz\_Outer\_Full



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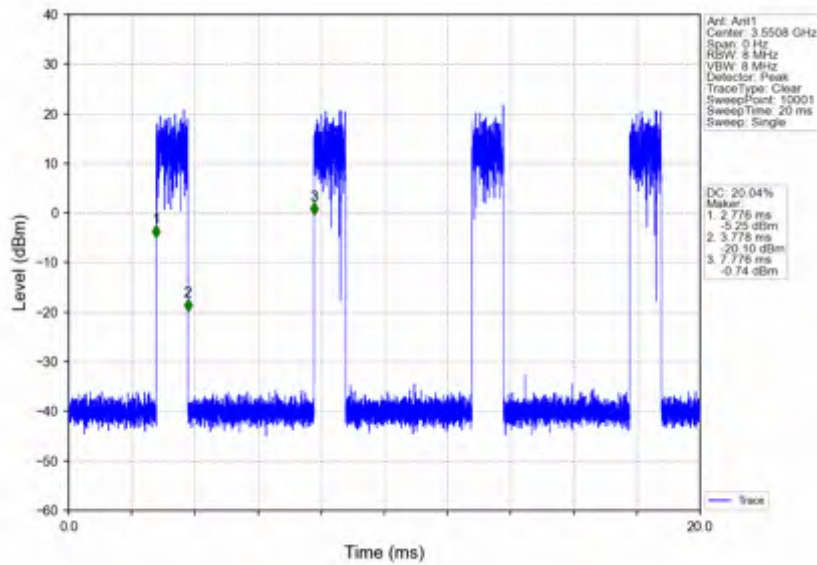
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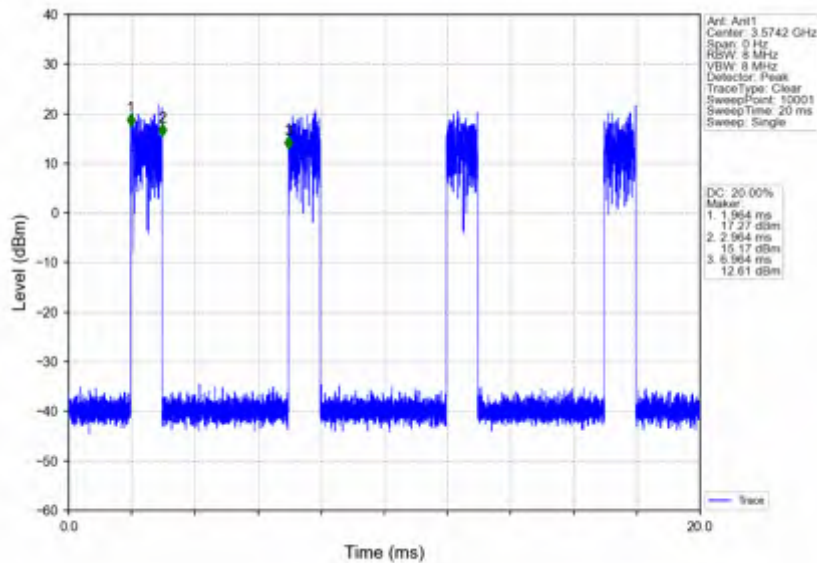
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_CP-OFDM QPSK\_3562.5MHz\_Inner\_1RB\_Left



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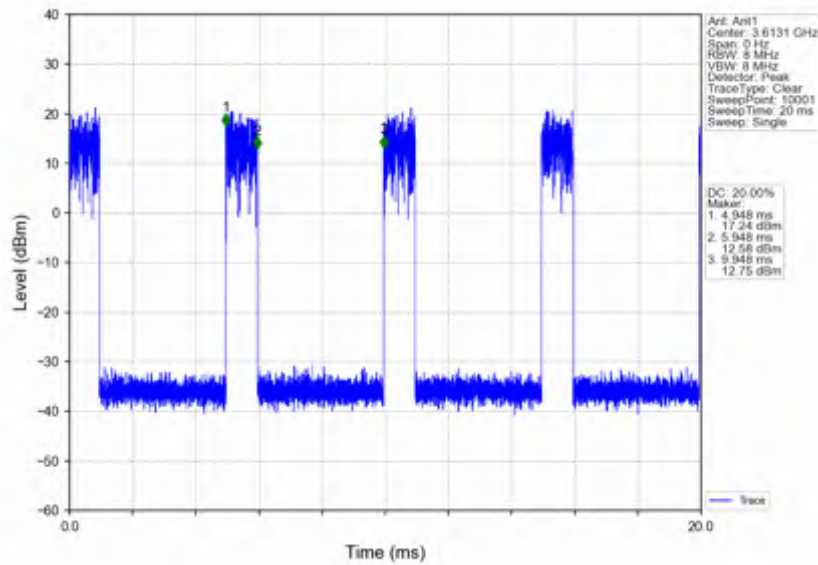
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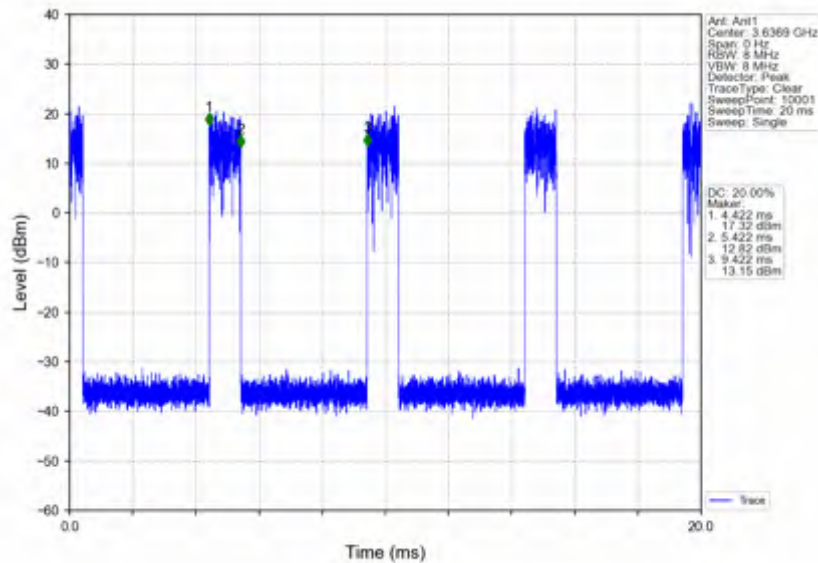
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_CP-OFDM QPSK\_3625.005MHz\_Edge\_1RB\_Left



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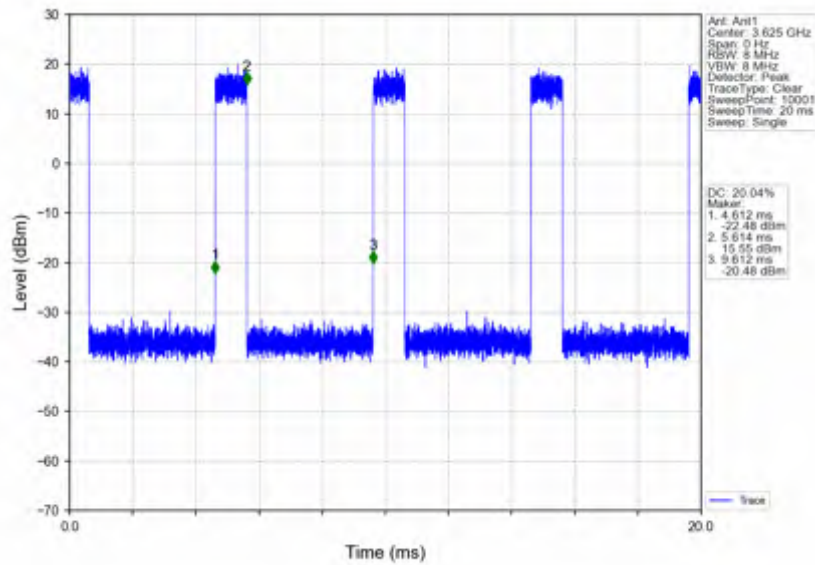
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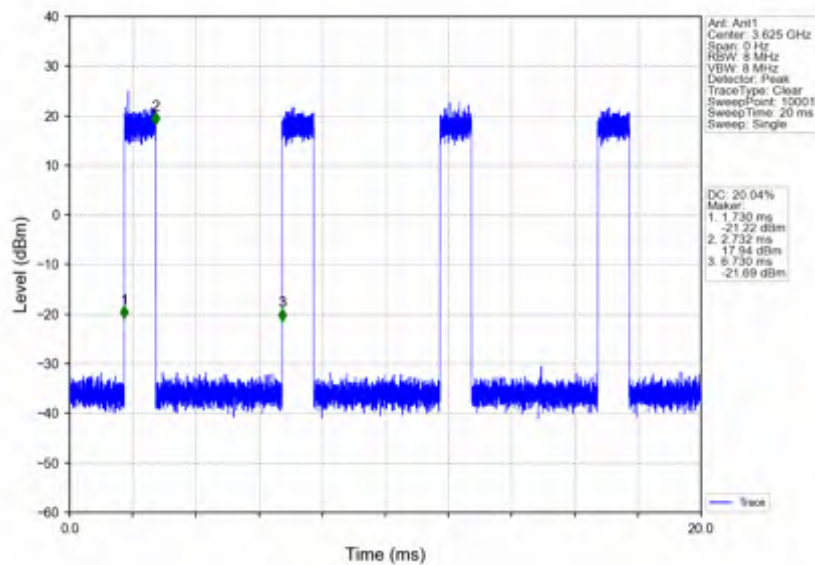
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_CP-OFDM QPSK\_3625.005MHz\_Outer\_Full



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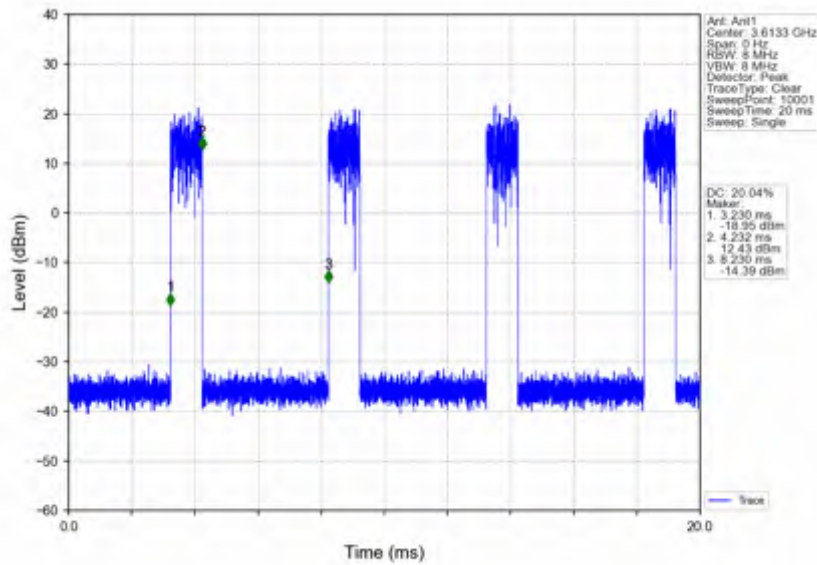
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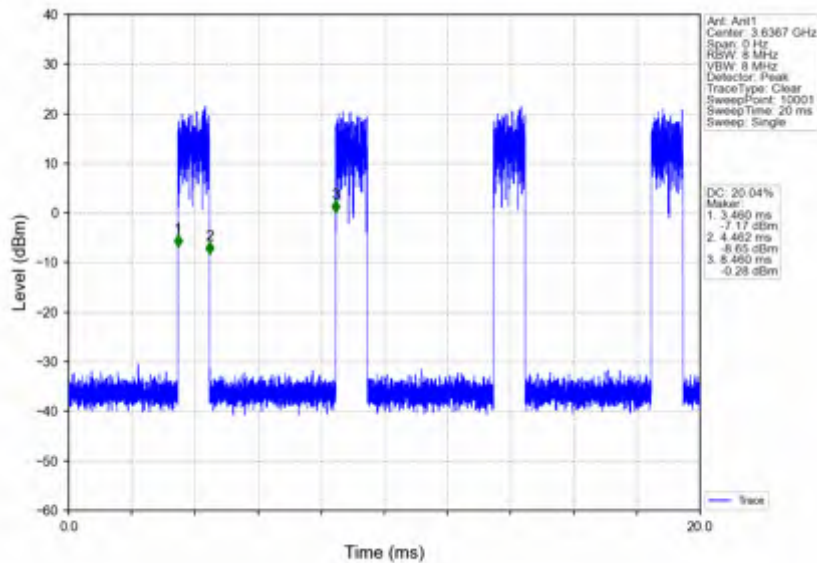
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n78d\_15kHz\_SISO\_NTV\_25MHz\_CP-OFDM QPSK\_3625.005MHz\_Inner\_1RB\_Left



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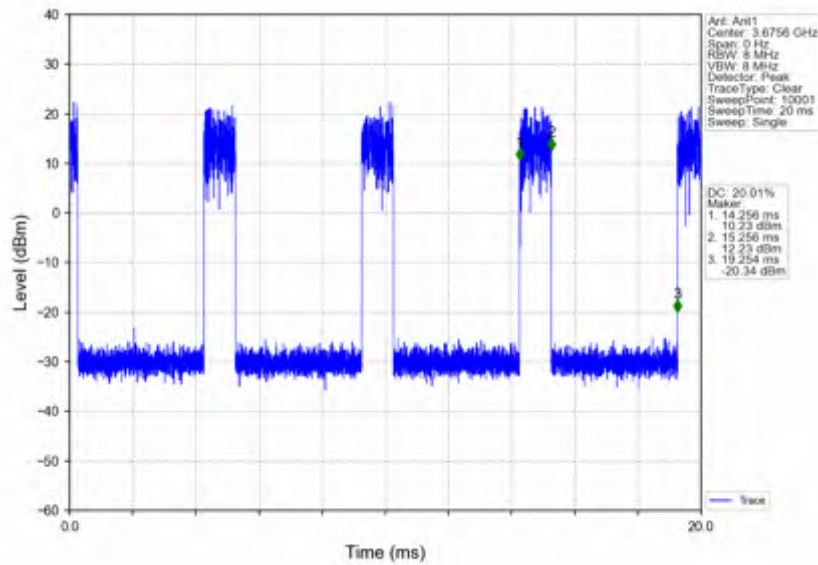


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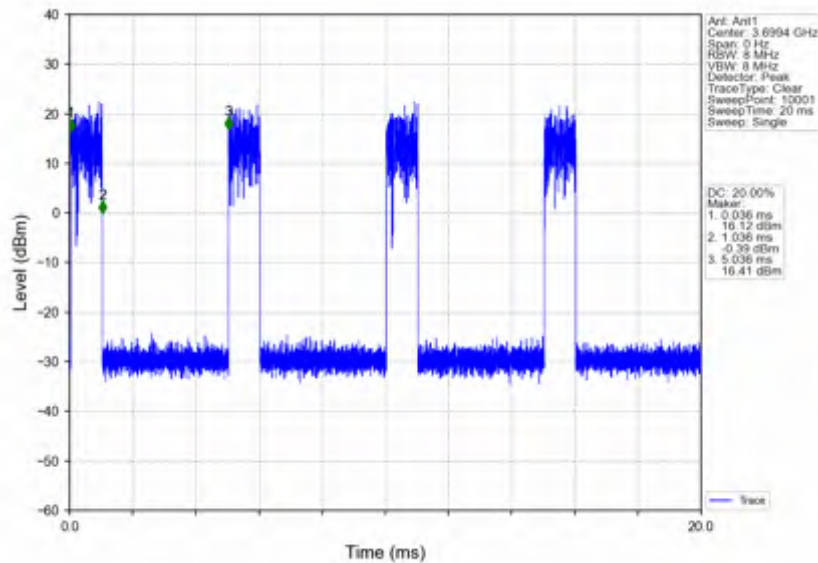
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_CP-OFDM QPSK\_3687.495MHz\_Edge\_1RB\_Left



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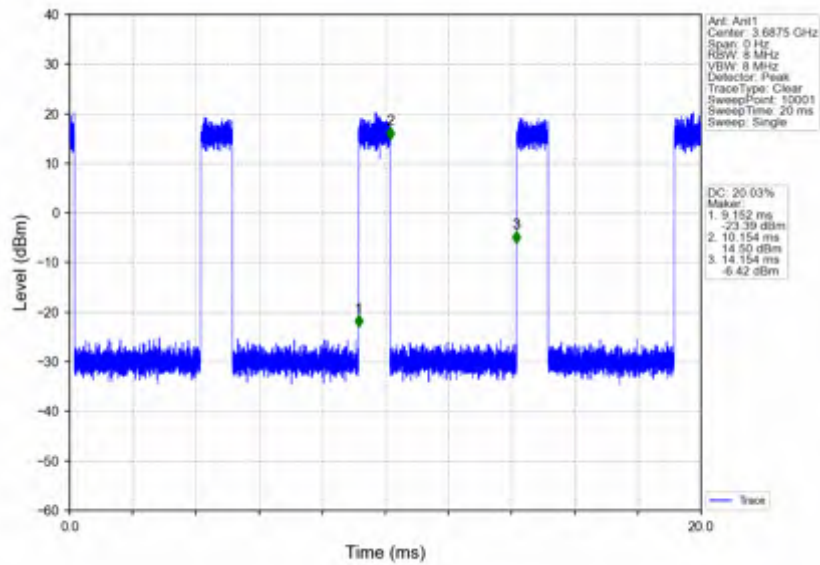
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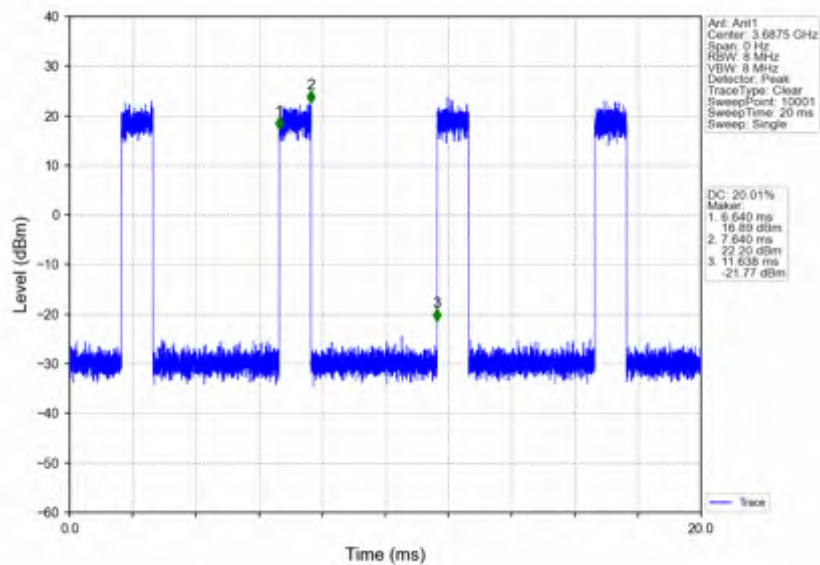
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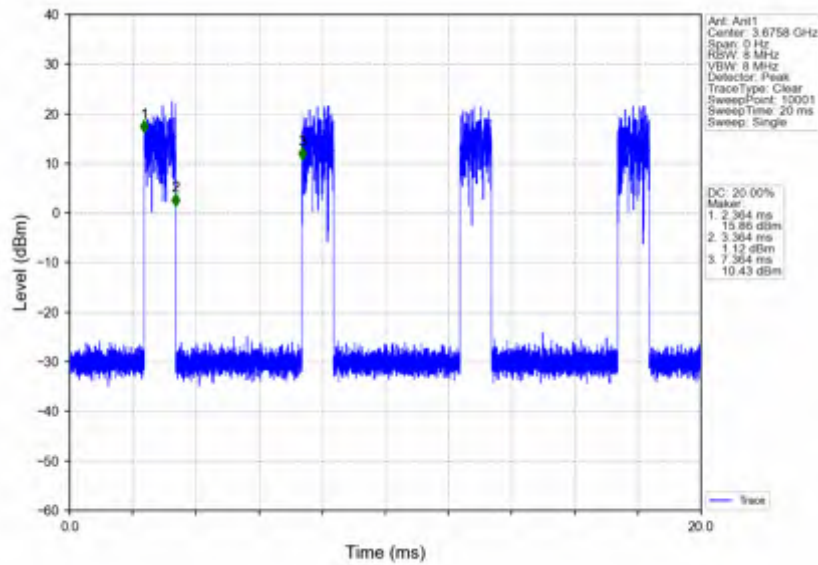
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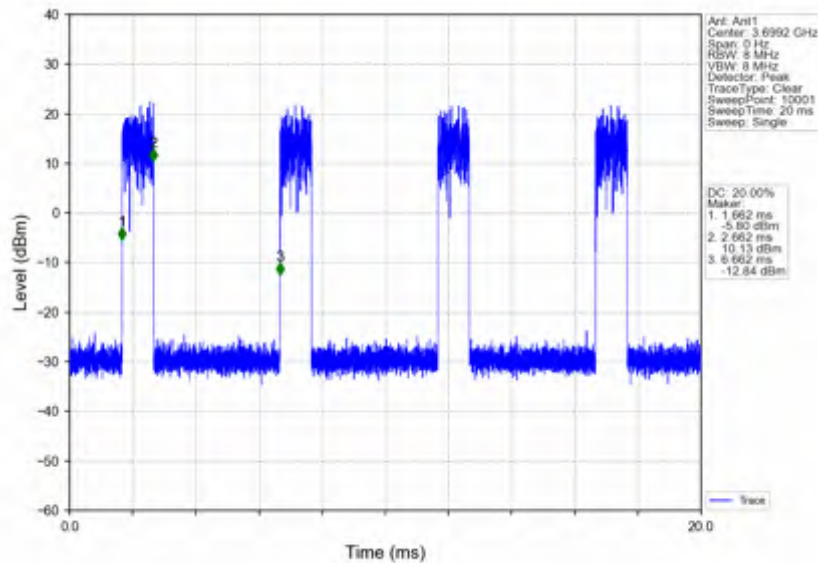
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_CP-OFDM QPSK\_3687.495MHz\_Inner\_1RB\_Left



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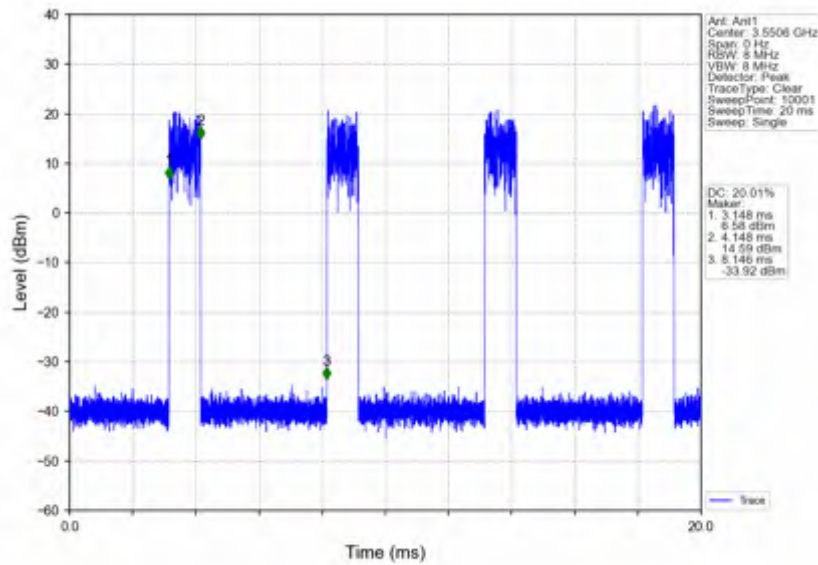
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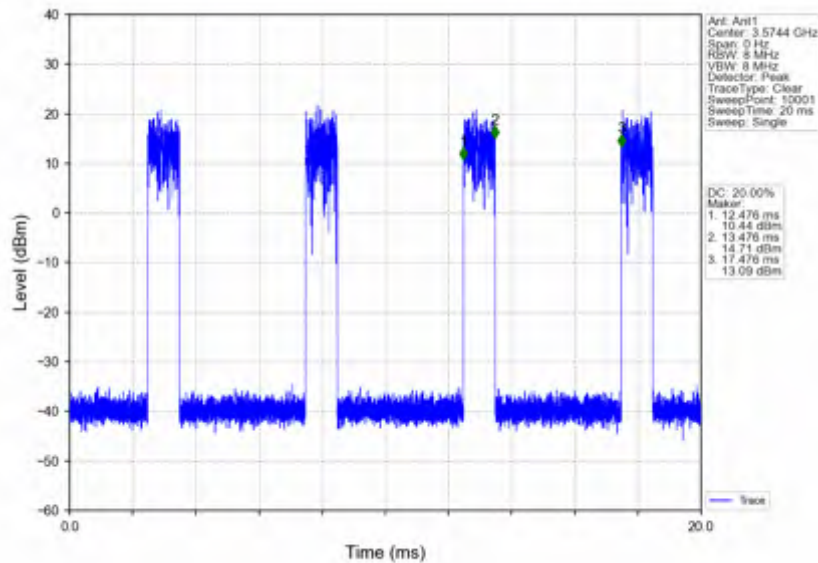
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_CP-OFDM 16 QAM\_3562.5MHz\_Edge\_1RB\_Left



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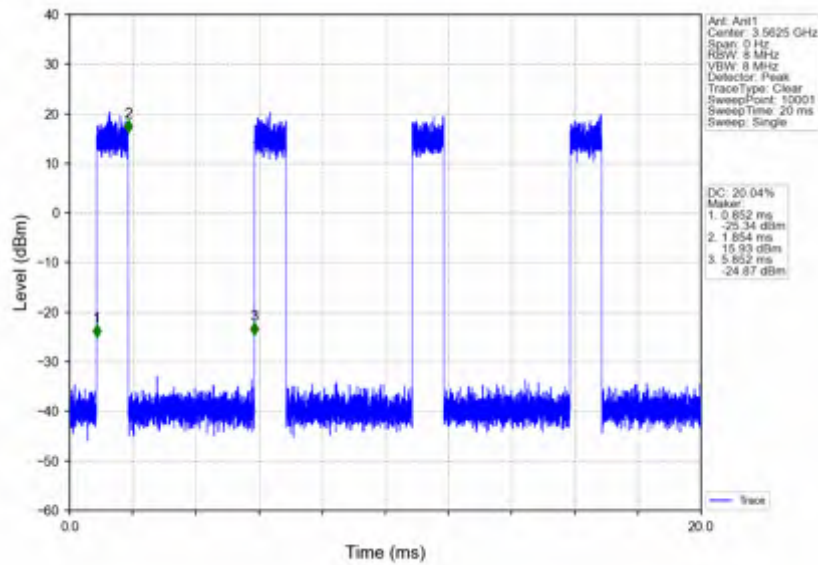


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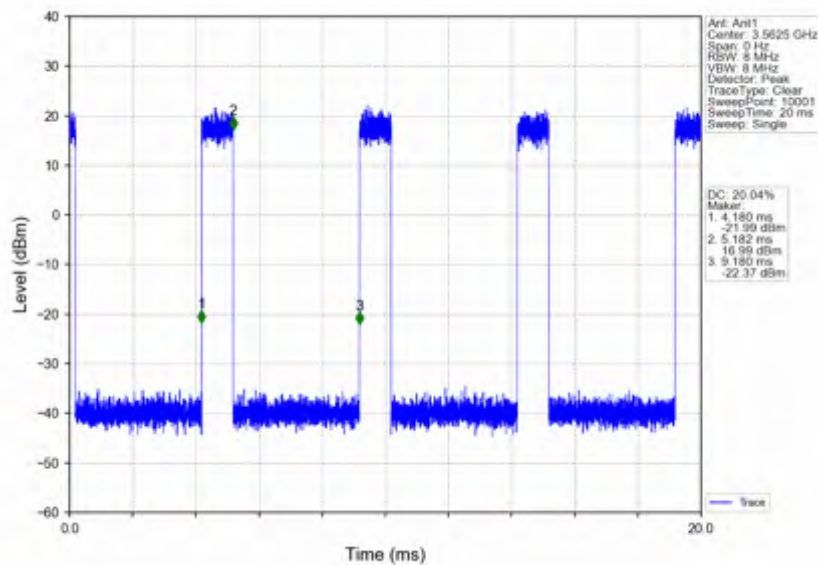
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_CP-OFDM\_16 QAM\_3562.5MHz\_Outer\_Full



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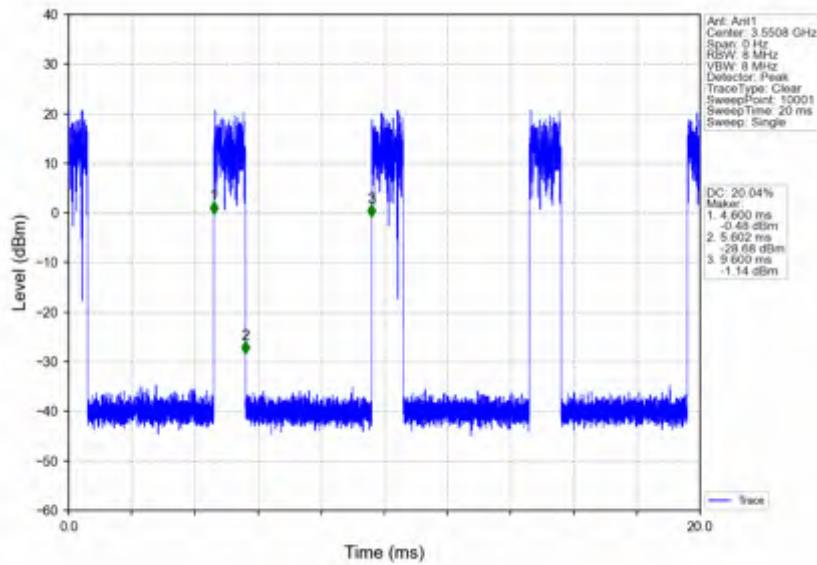
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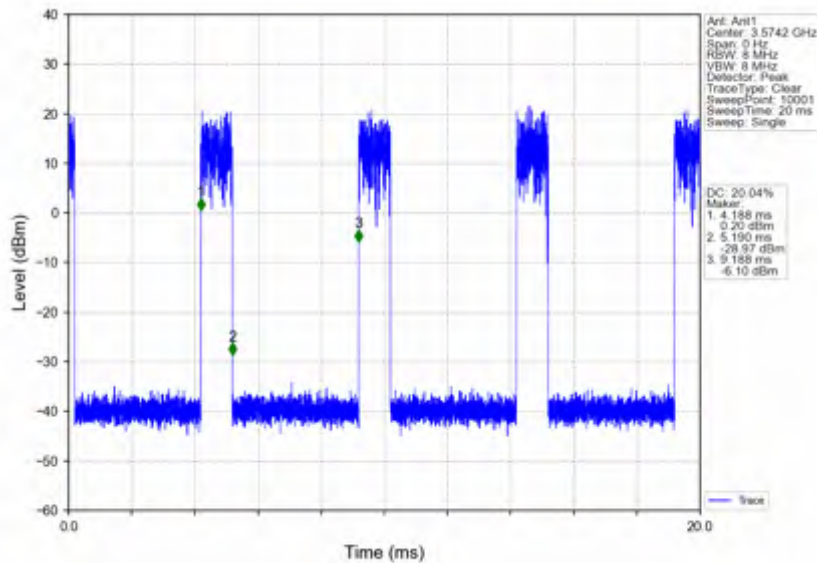
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_CP-OFDM 16 QAM\_3562.5MHz\_Inner\_1RB\_Left



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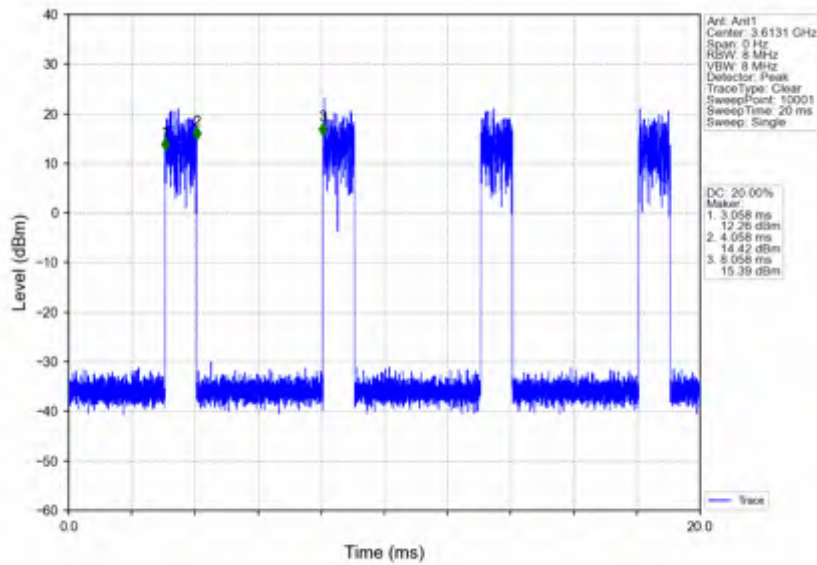
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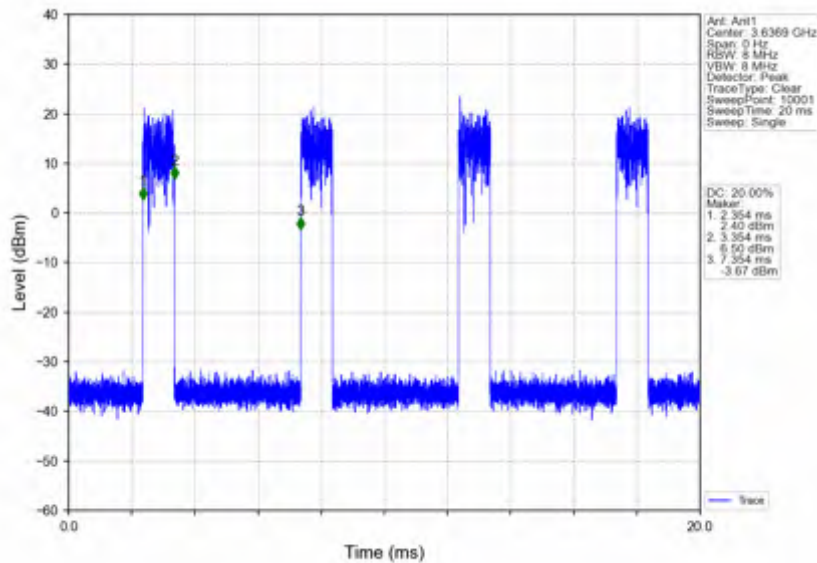
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_CP-OFDM\_16 QAM\_3625.005MHz\_Edge\_1RB\_Left



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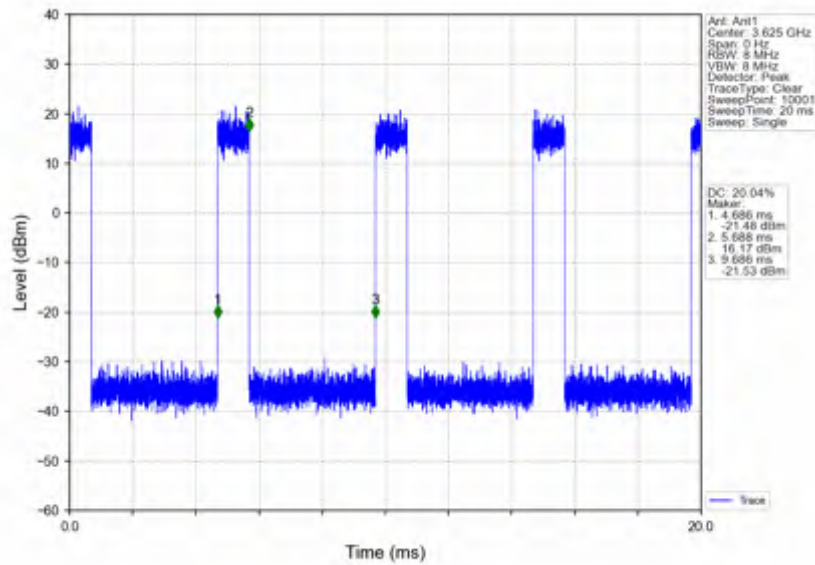


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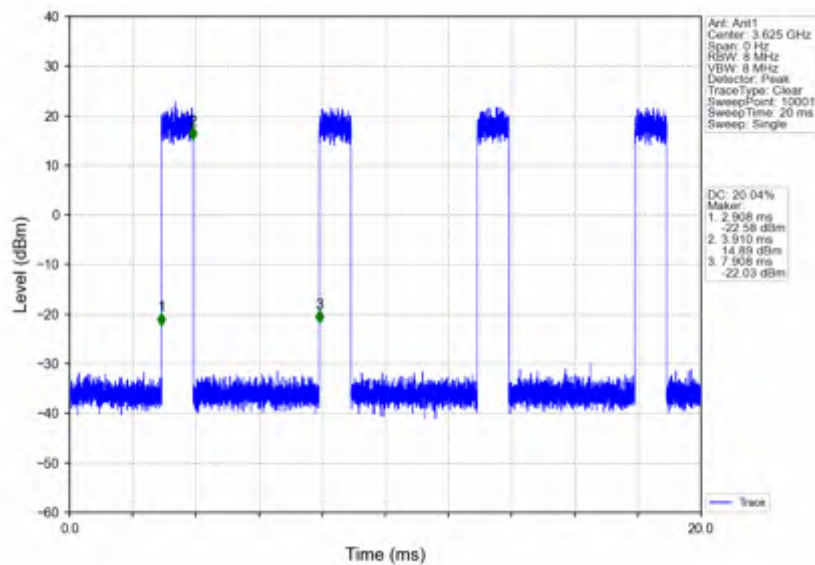
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_CP-OFDM\_16 QAM\_3625.005MHz\_Outer\_Full



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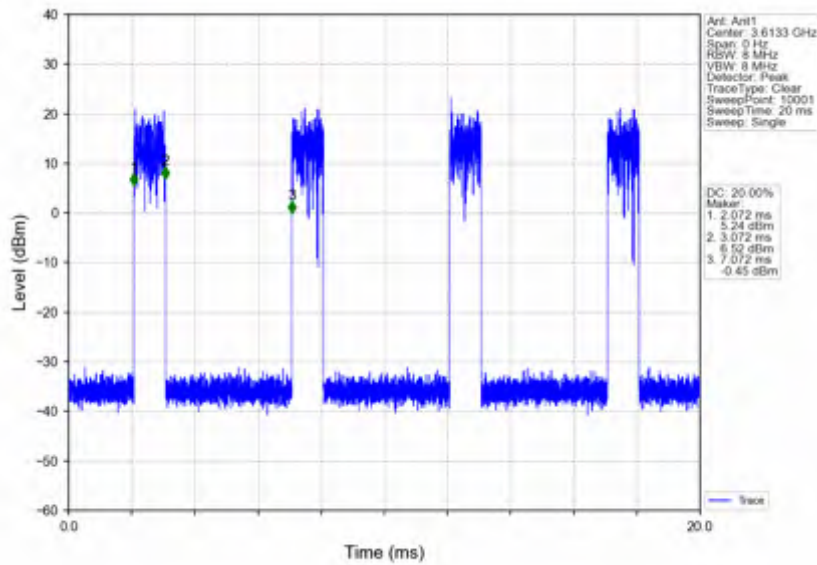
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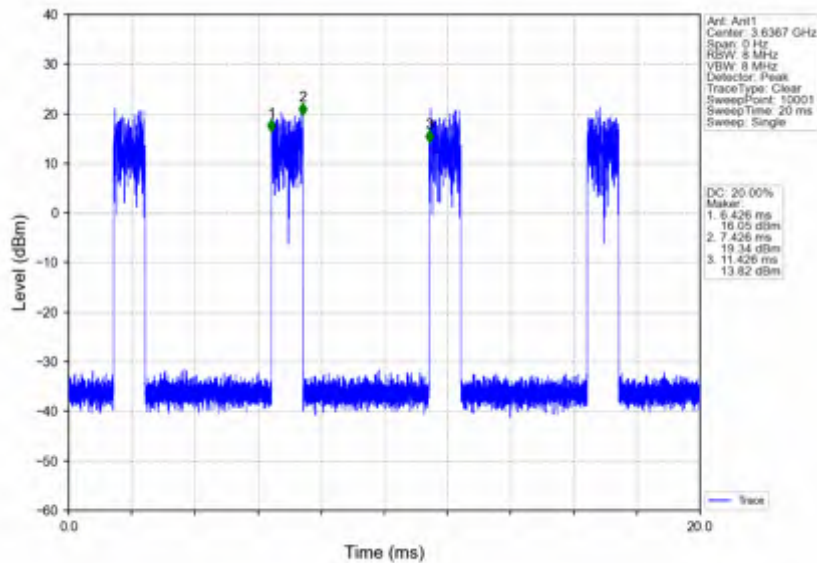
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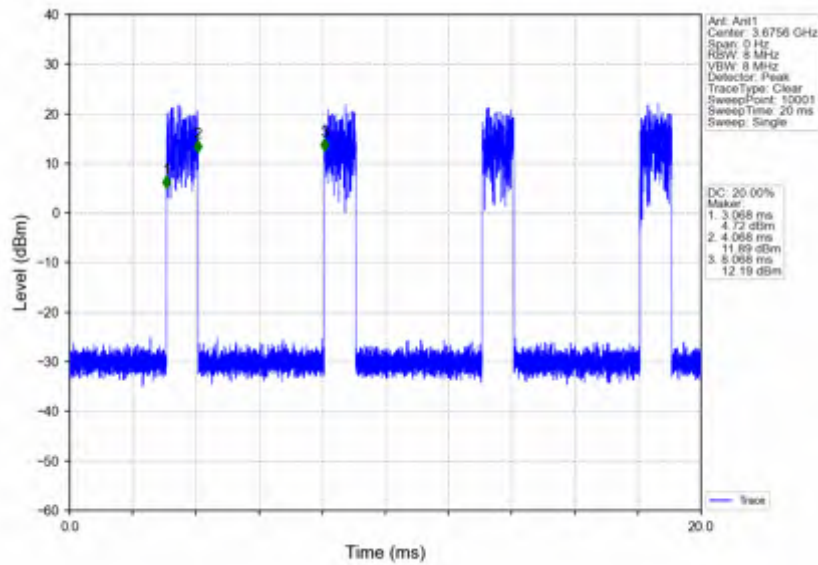


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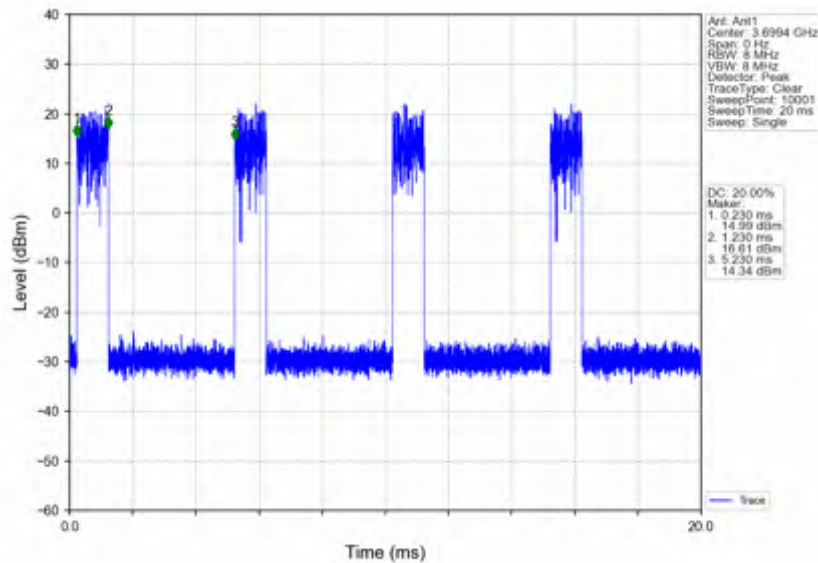
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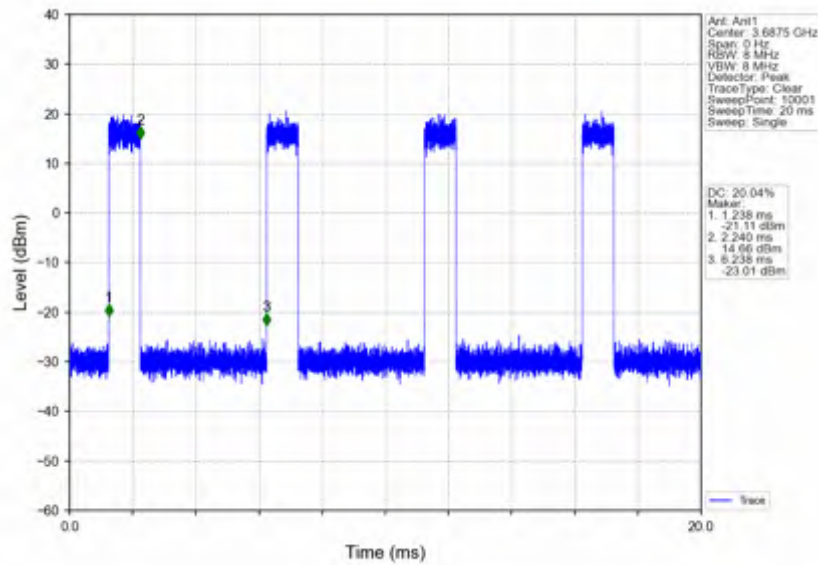


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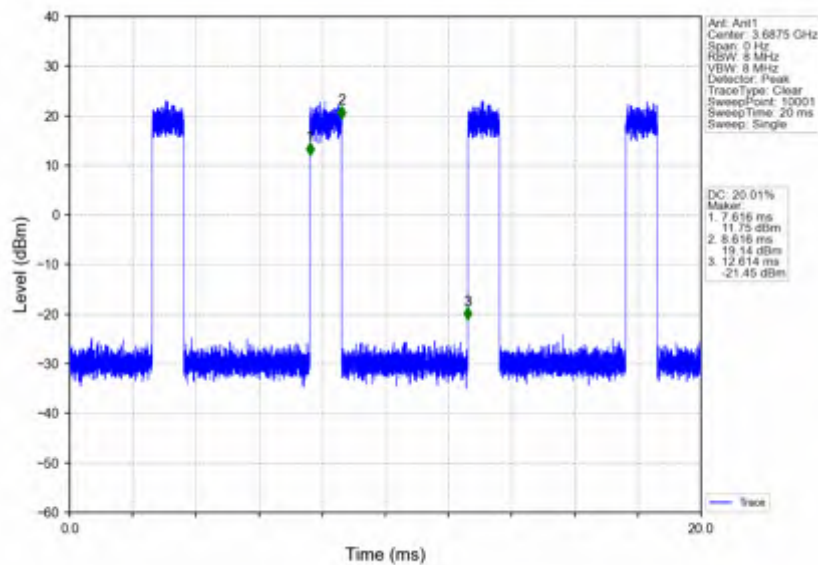
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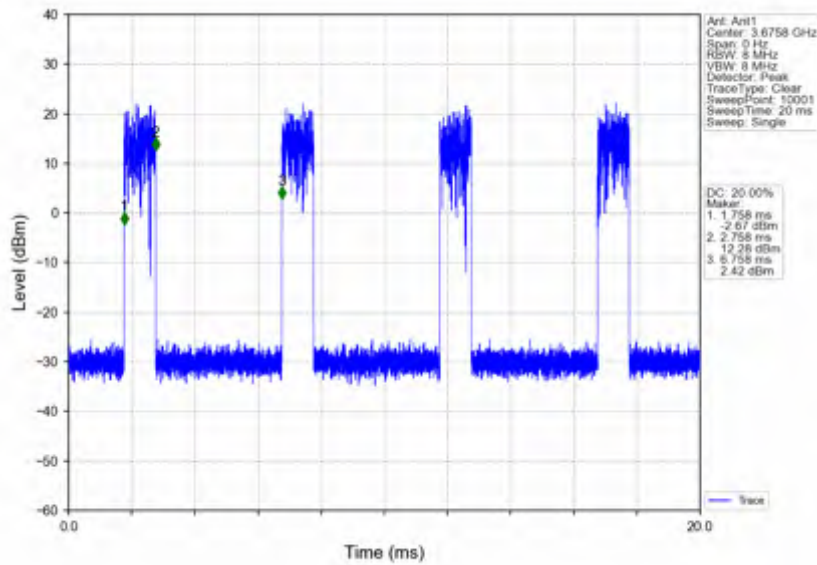
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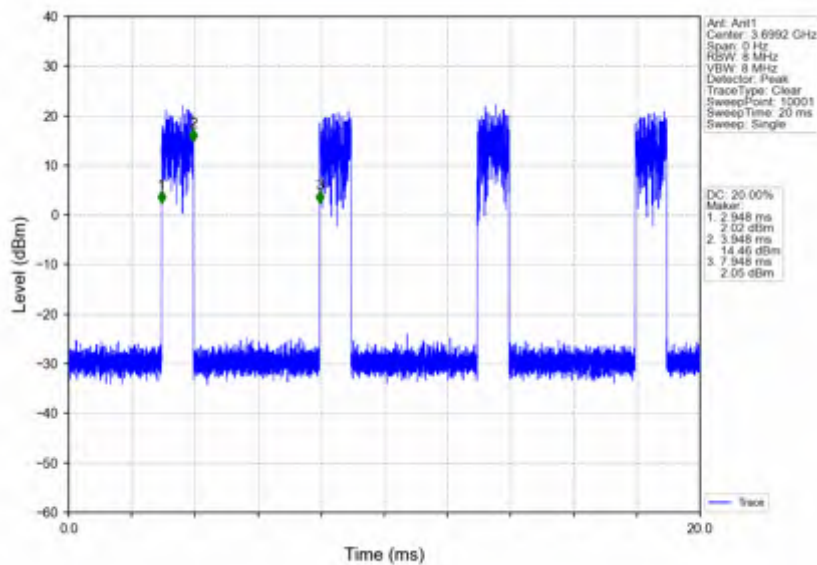
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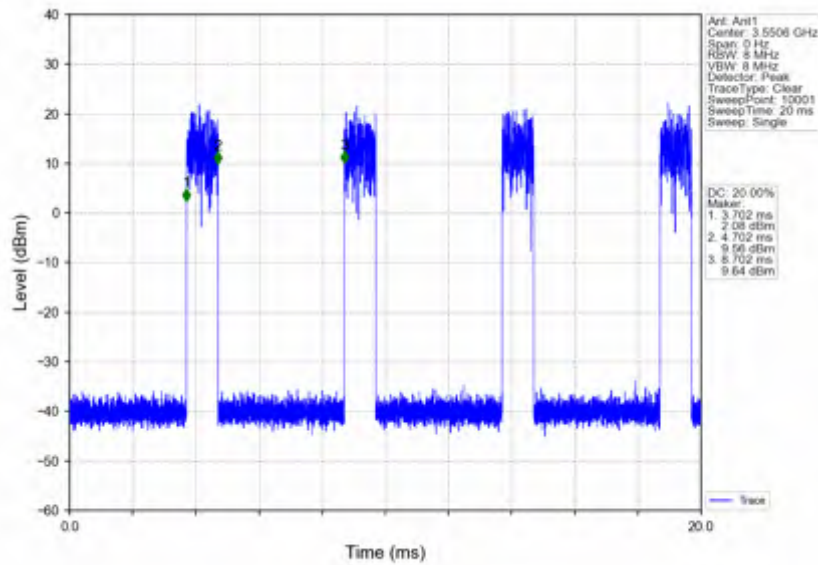


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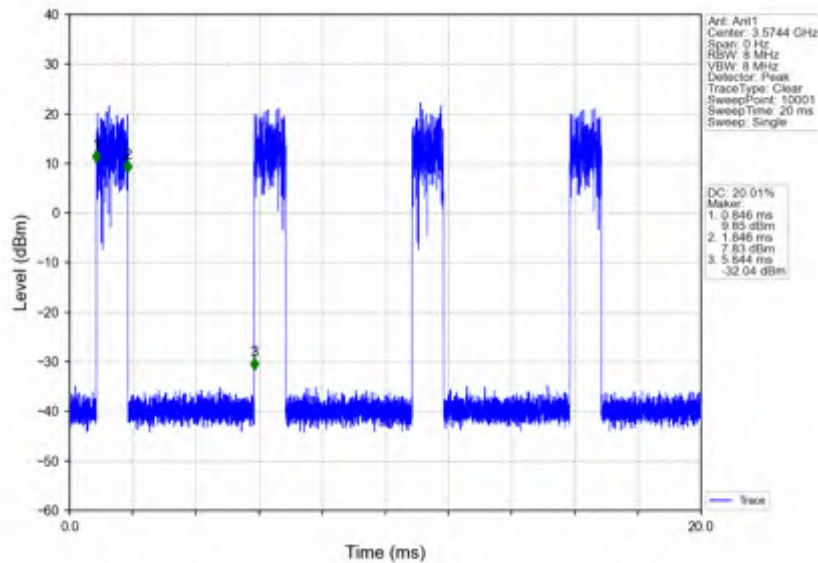
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_CP-OFDM 64 QAM\_3562.5MHz\_Edge\_1RB\_Left



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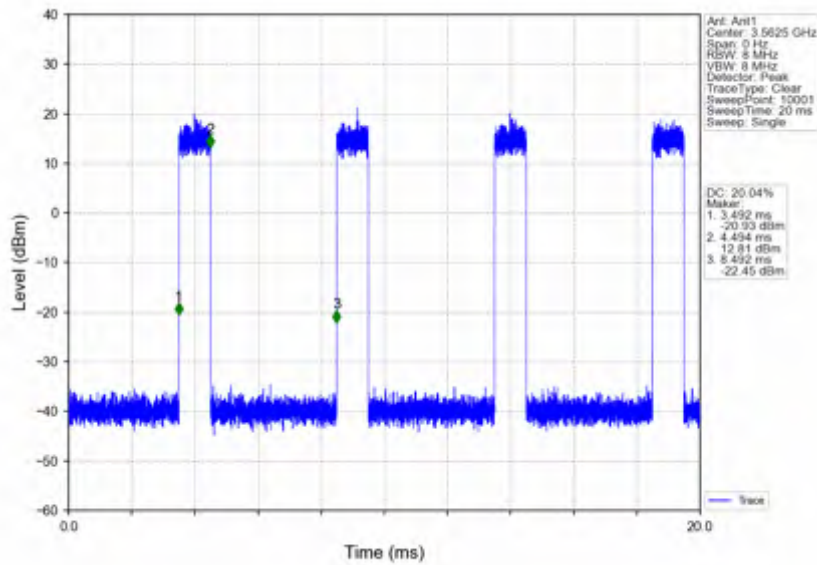


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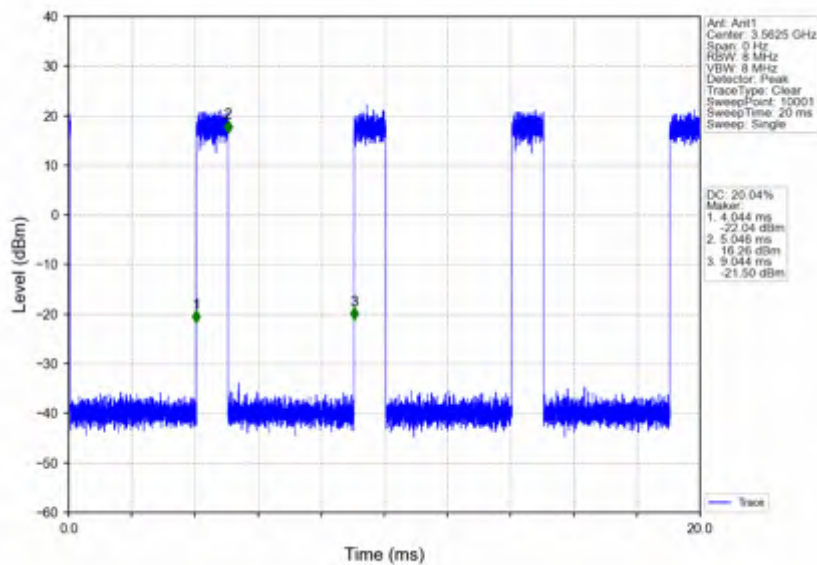
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_CP-OFDM 64 QAM\_3562.5MHz\_Outer\_Full



n78d\_15kHz\_SISO\_NTNV\_25MHz\_CP-OFDM 64 QAM\_3562.5MHz\_Inner\_Full



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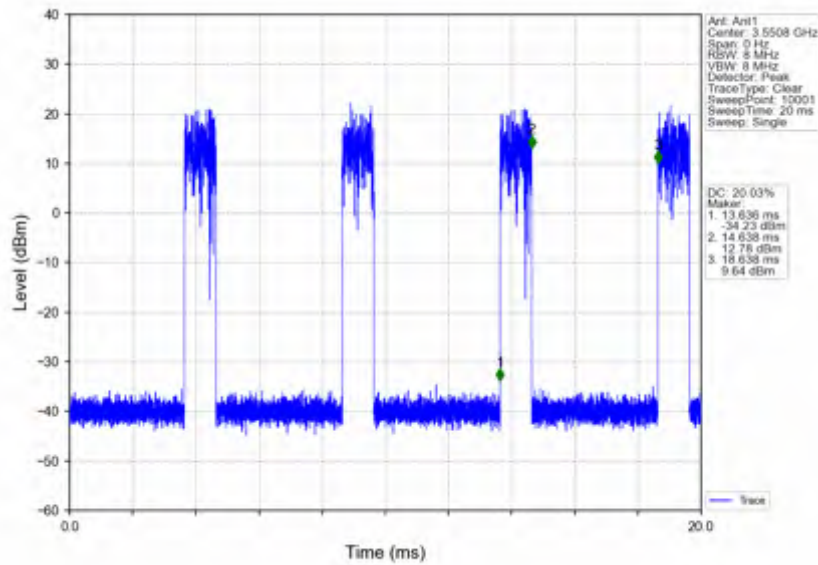
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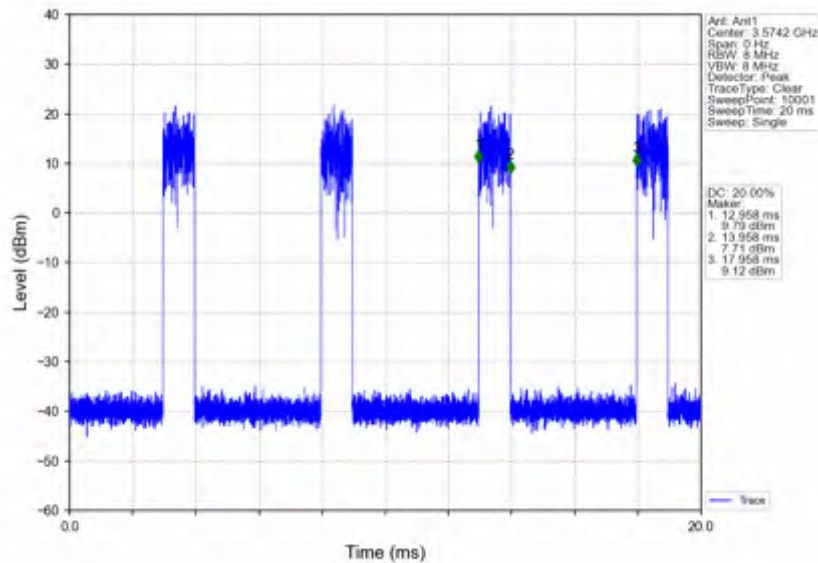
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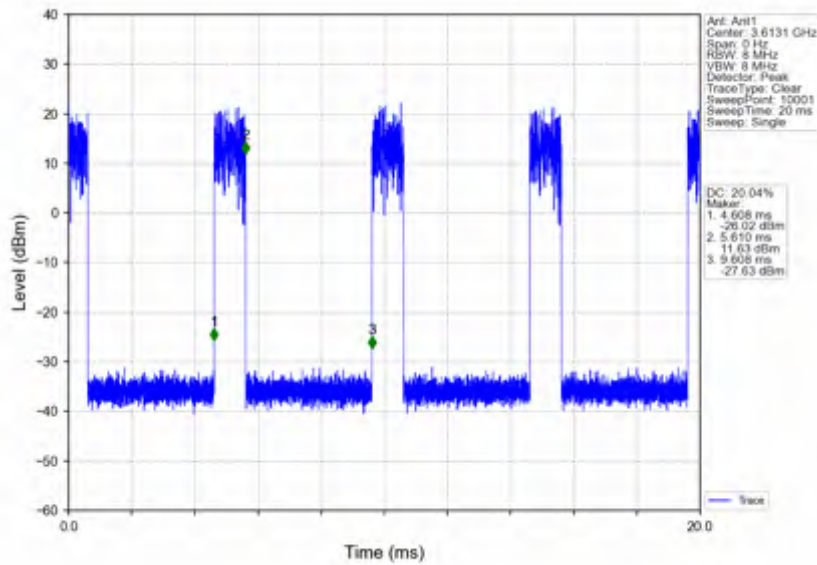


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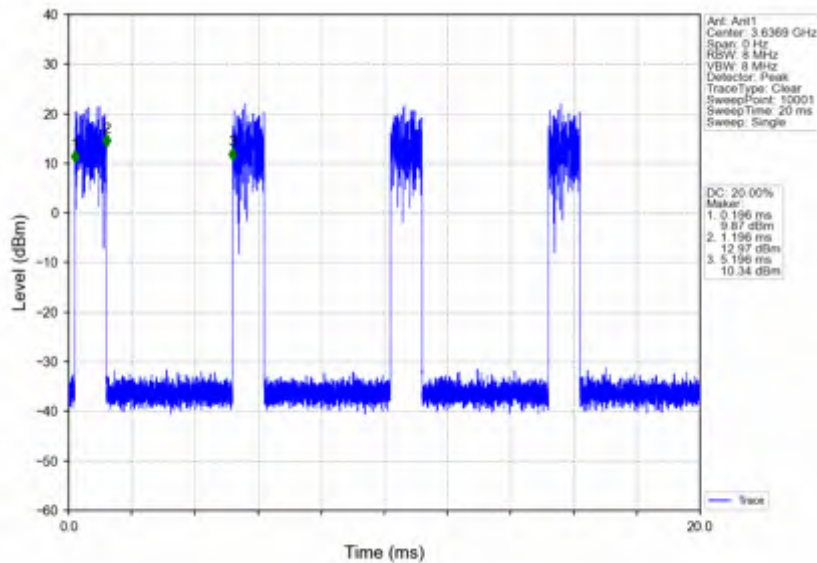
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_CP-OFDM 64 QAM\_3625.005MHz\_Edge\_1RB\_Left



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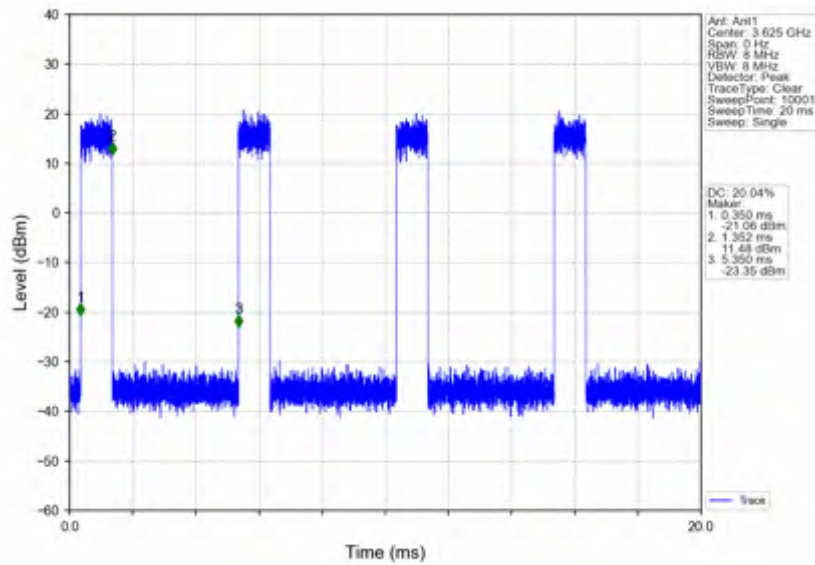
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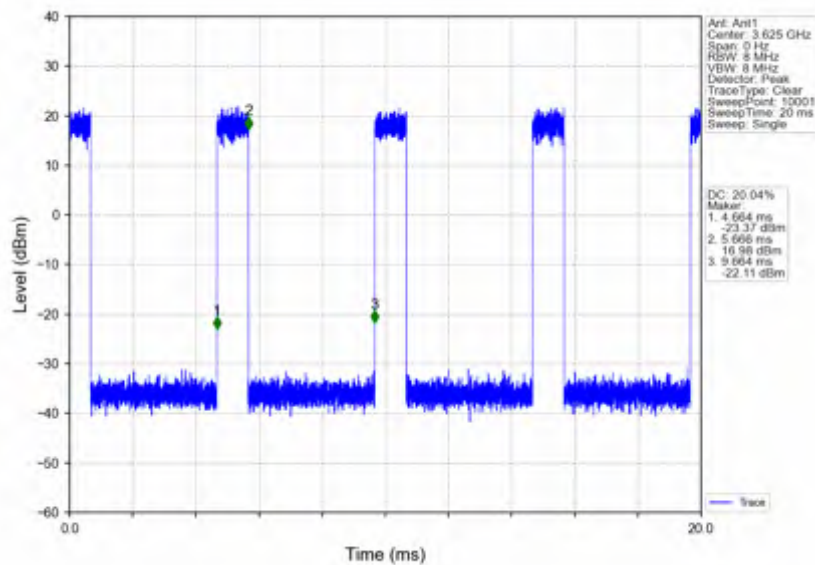
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_CP-OFDM 64 QAM\_3625.005MHz\_Outer\_Full



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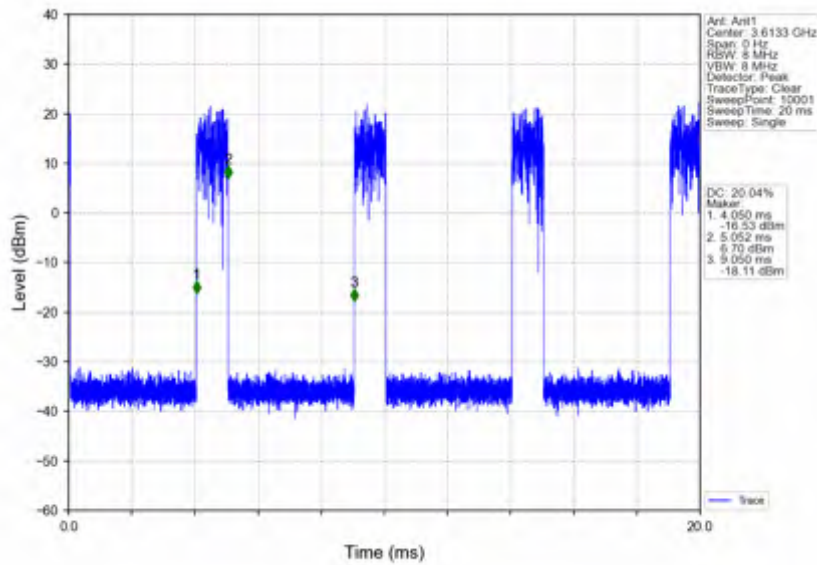


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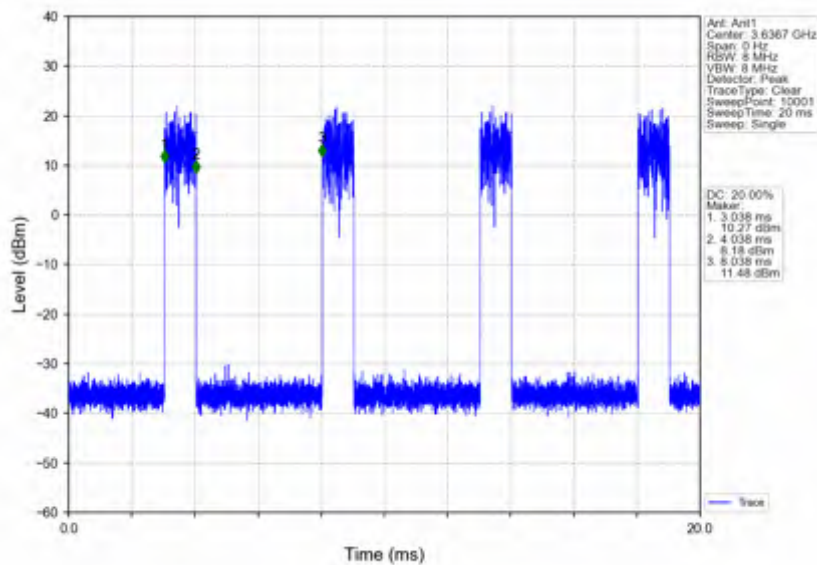
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_CP-OFDM 64 QAM\_3625.005MHz\_Inner\_1RB\_Left



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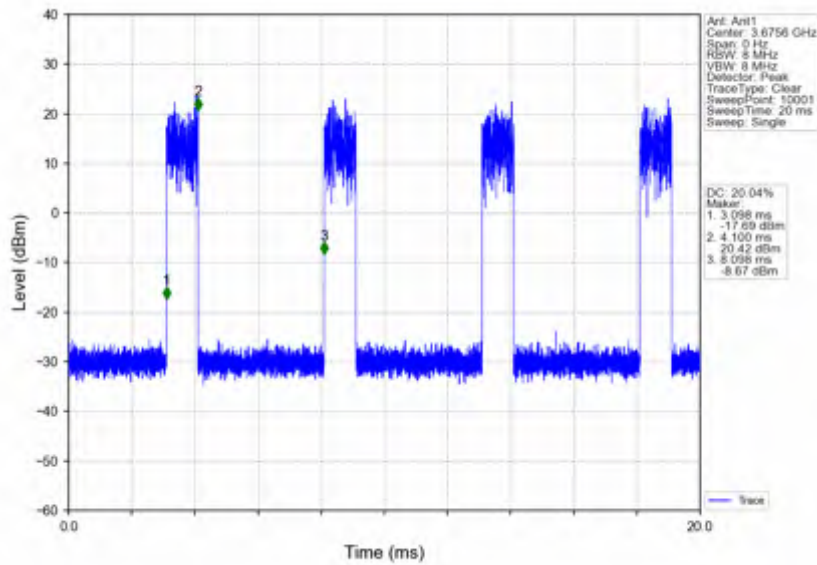


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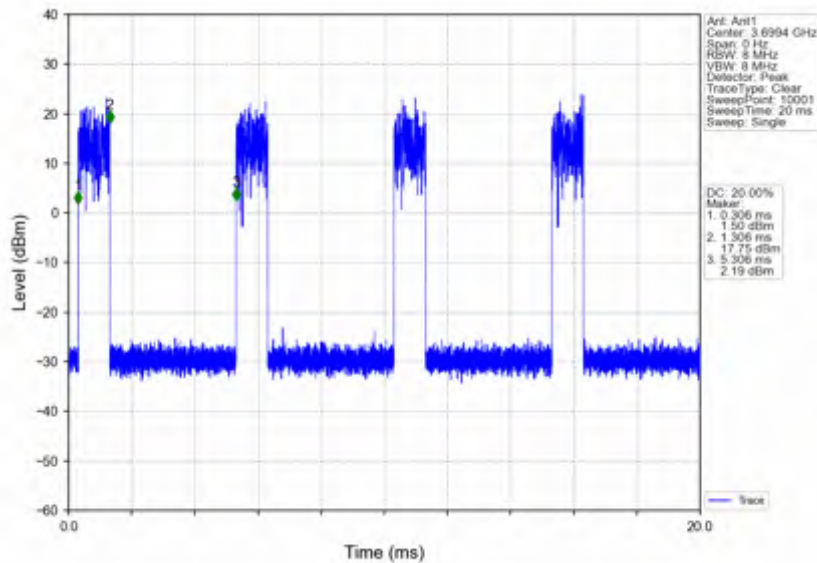
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_CP-OFDM 64 QAM\_3687.495MHz\_Edge\_1RB\_Left



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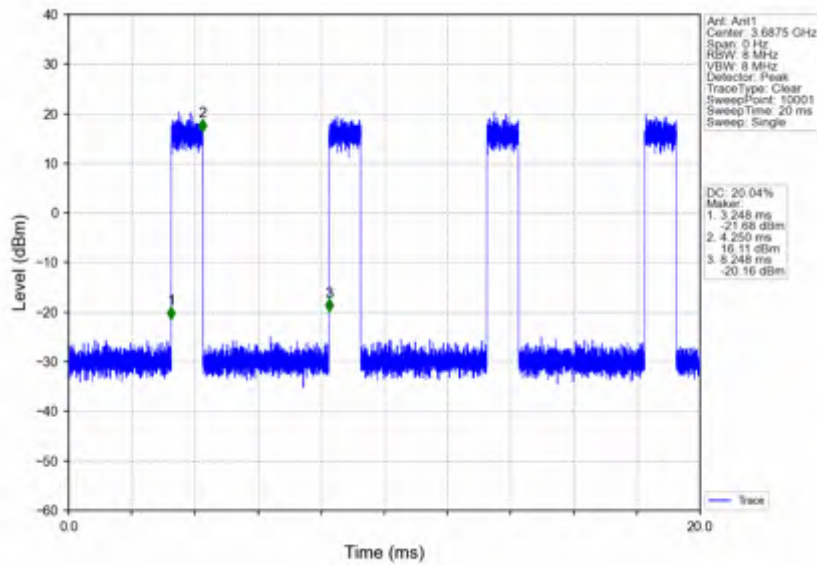


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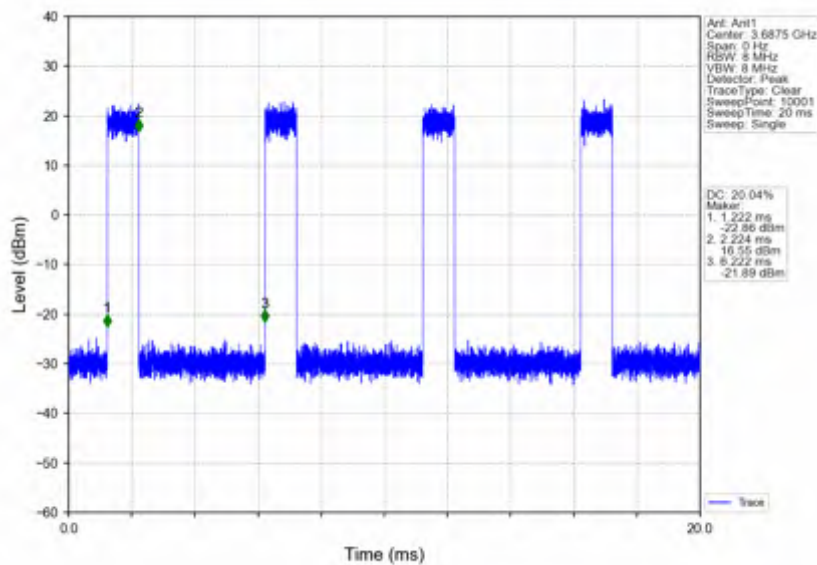
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_CP-OFDM 64 QAM\_3687.495MHz\_Outer\_Full



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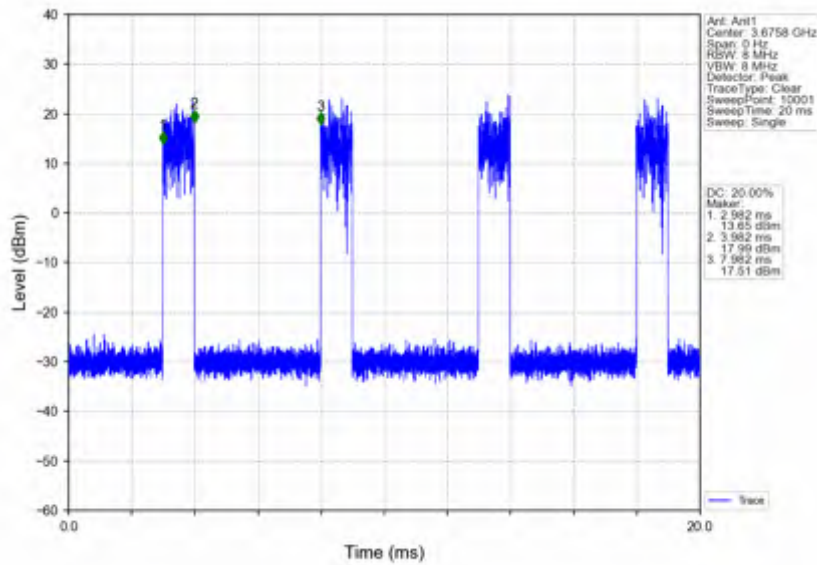
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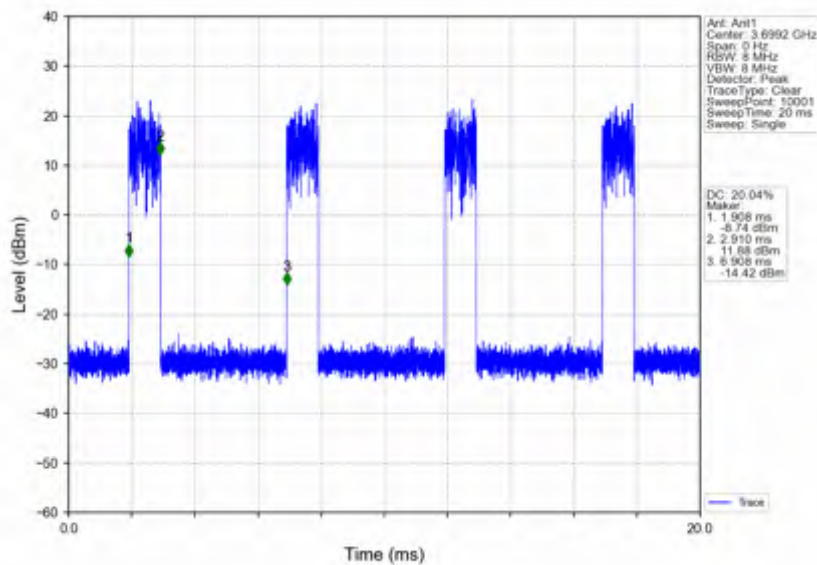
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_CP-OFDM 64 QAM\_3687.495MHz\_Inner\_1RB\_Left



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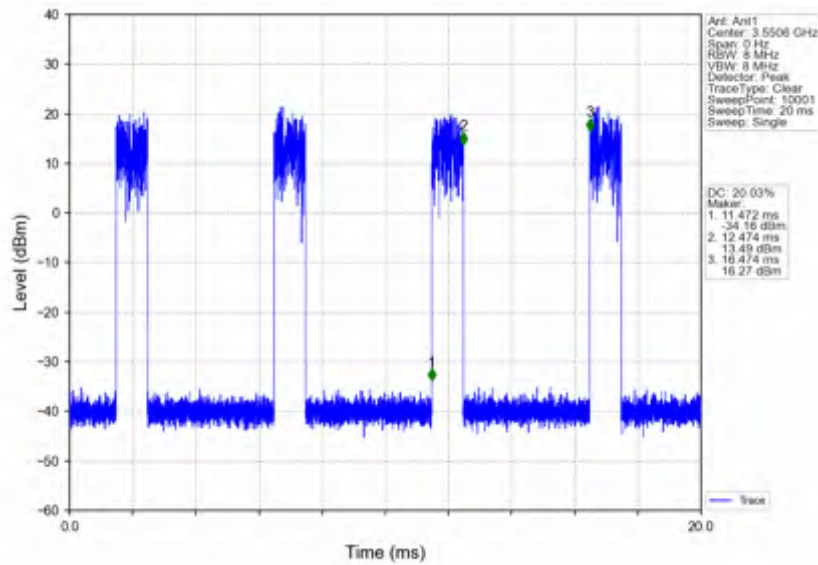
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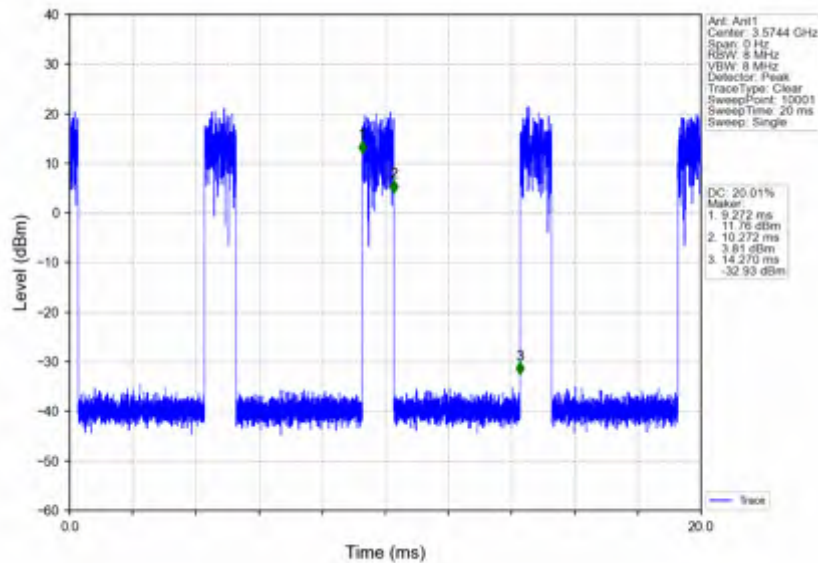
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_CP-OFDM 256 QAM\_3562.5MHz\_Edge\_1RB\_Left



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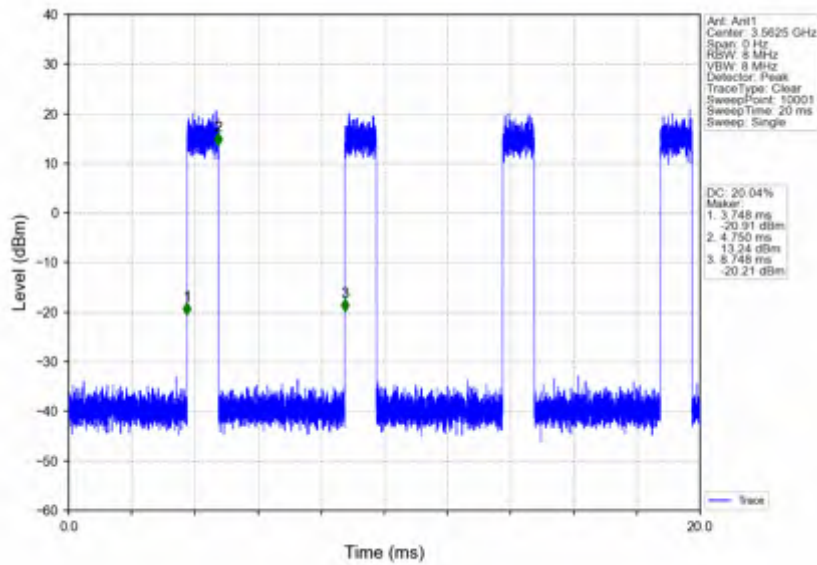
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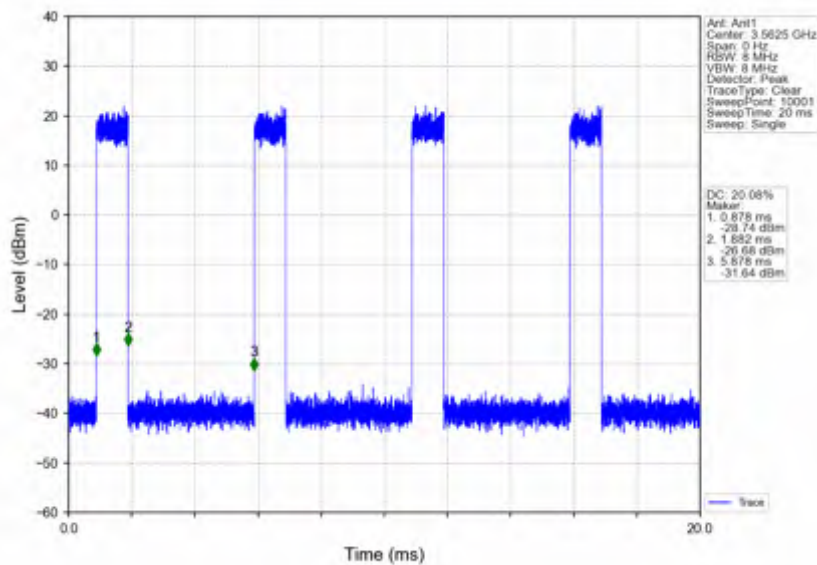
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n78d\_15kHz\_SISO\_NTV\_25MHz\_CP-OFDM 256 QAM\_3562.5MHz\_Outer\_Full



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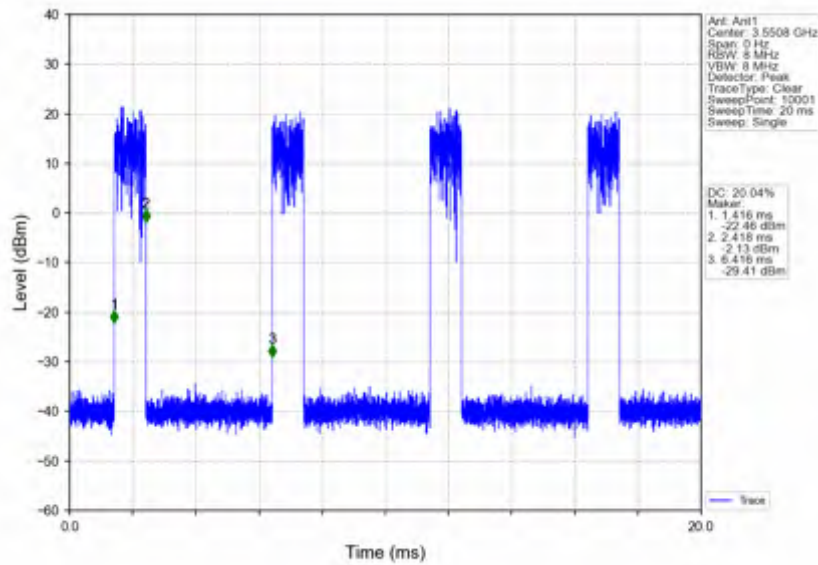


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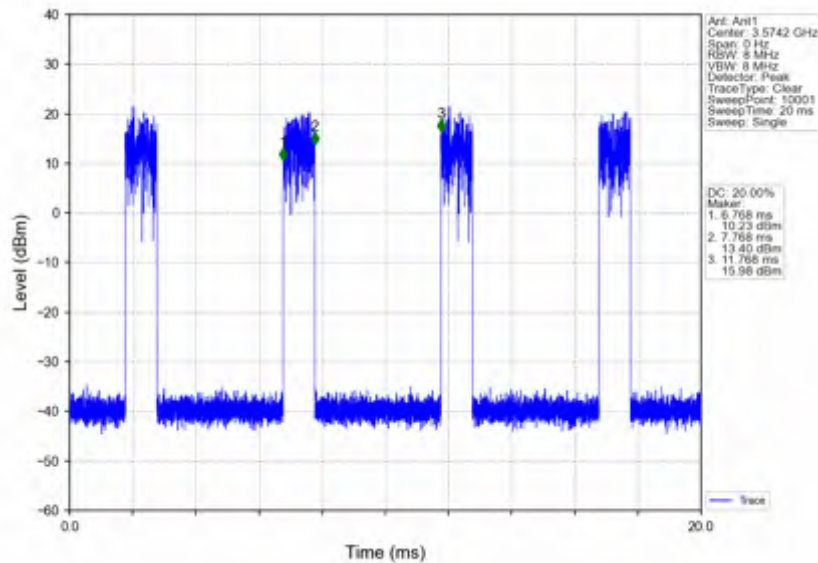
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_CP-OFDM 256 QAM\_3562.5MHz\_Inner\_1RB\_Left



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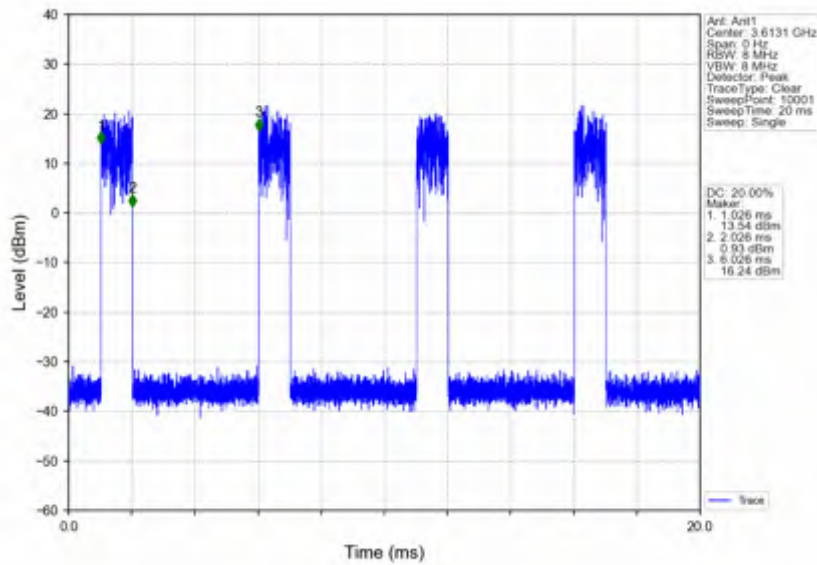


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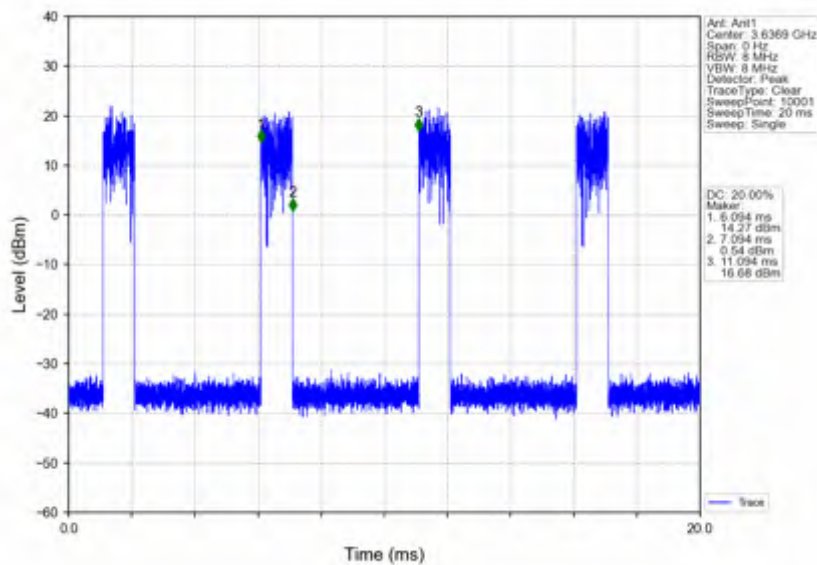
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n78d\_15kHz\_SISO\_NTV\_25MHz\_CP-OFDM 256 QAM\_3625.005MHz\_Edge\_1RB\_Left



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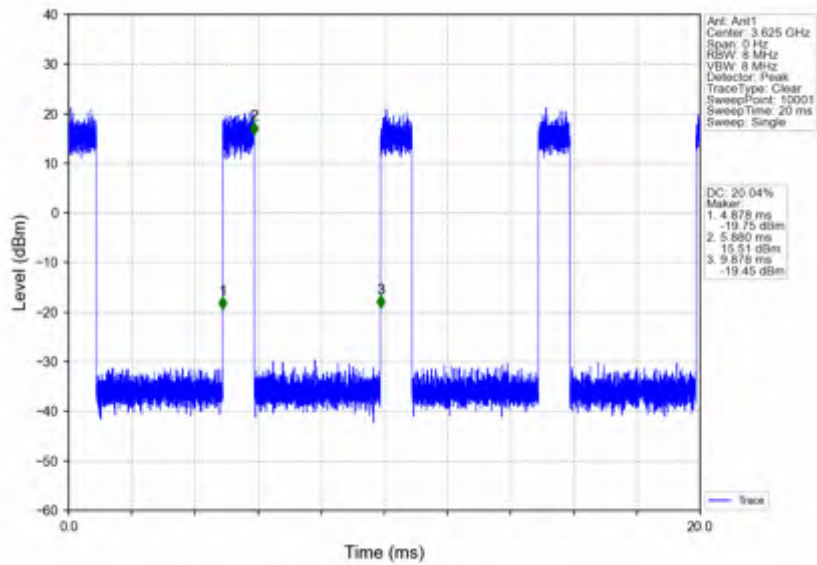


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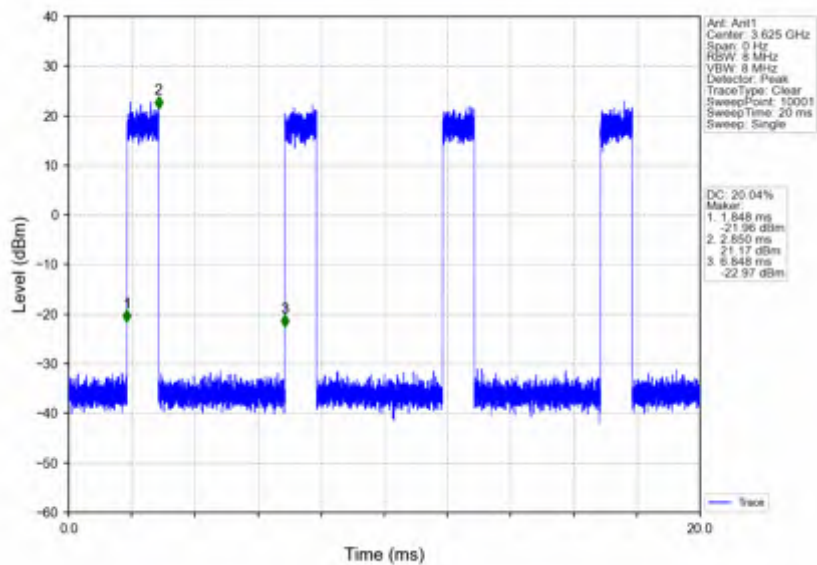
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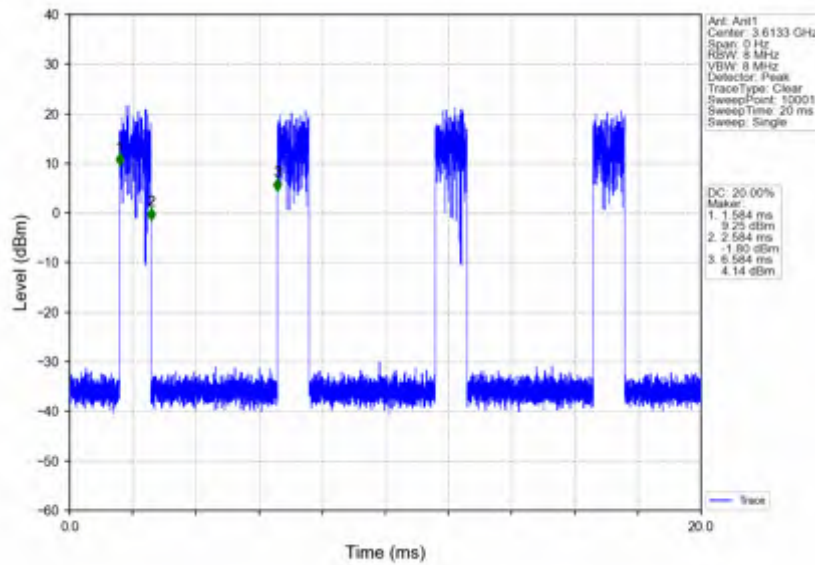
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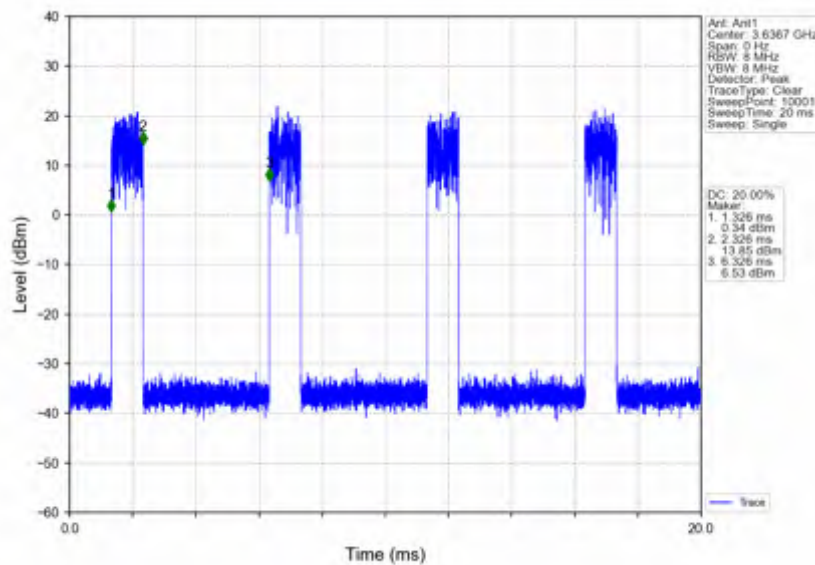
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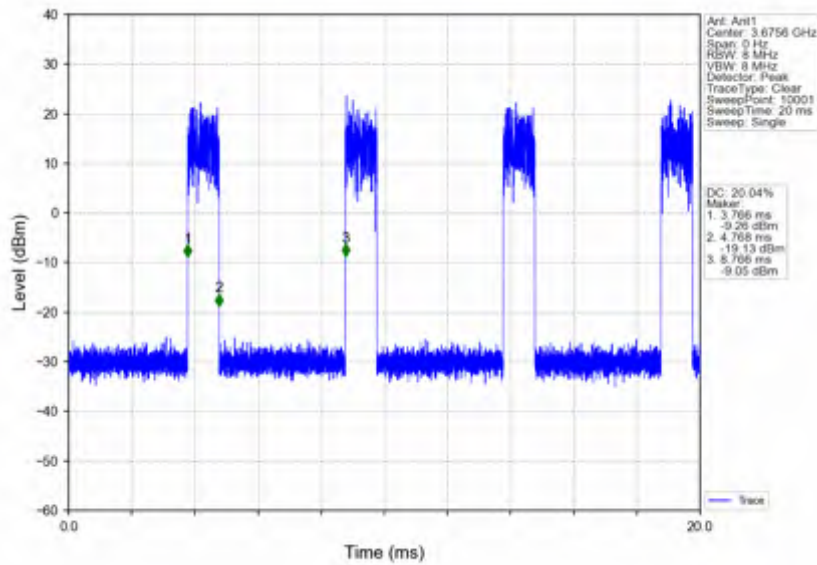


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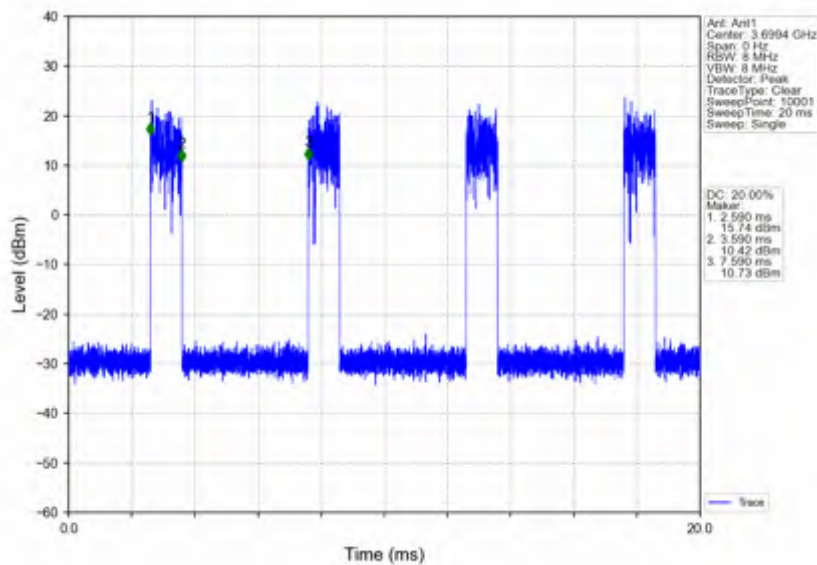
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n78d\_15kHz\_SISO\_NTV\_25MHz\_CP-OFDM 256 QAM\_3687.495MHz\_Edge\_1RB\_Left



n78d\_15kHz\_SISO\_NTV\_25MHz\_CP-OFDM 256 QAM\_3687.495MHz\_Edge\_1RB\_Right

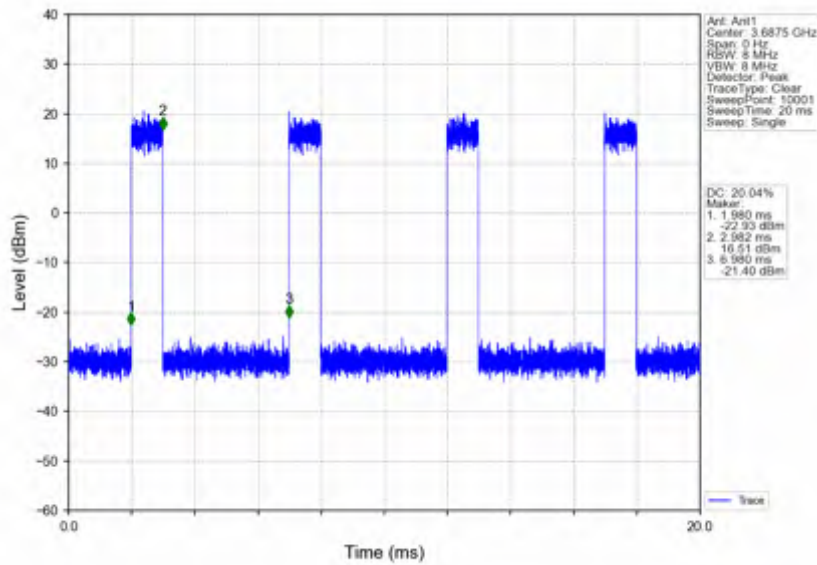


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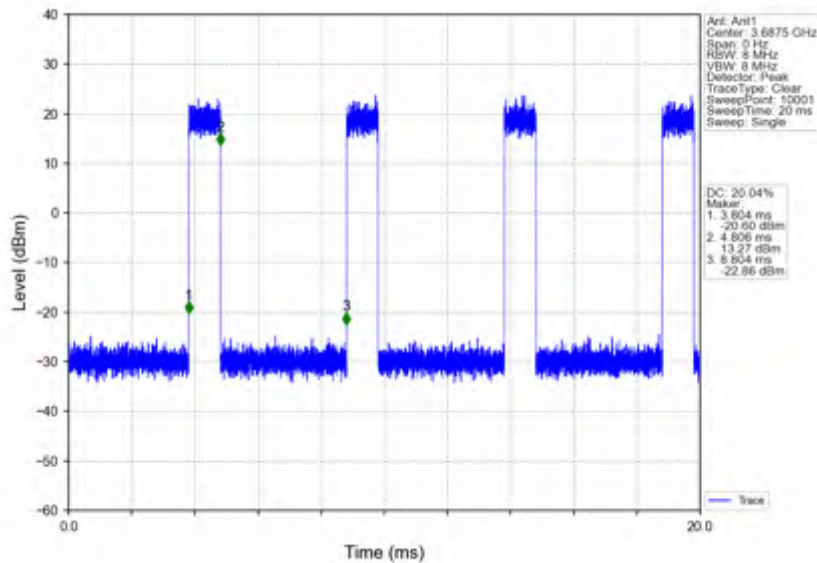
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n78d\_15kHz\_SISO\_NTNV\_25MHz\_CP-OFDM 256 QAM\_3687.495MHz\_Outer\_Full



n78d\_15kHz\_SISO\_NTNV\_25MHz\_CP-OFDM 256 QAM\_3687.495MHz\_Inner\_Full



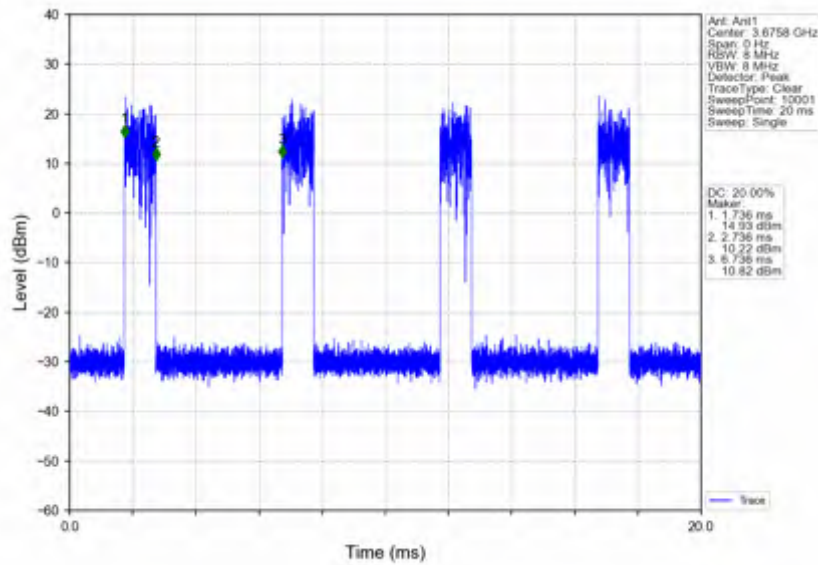
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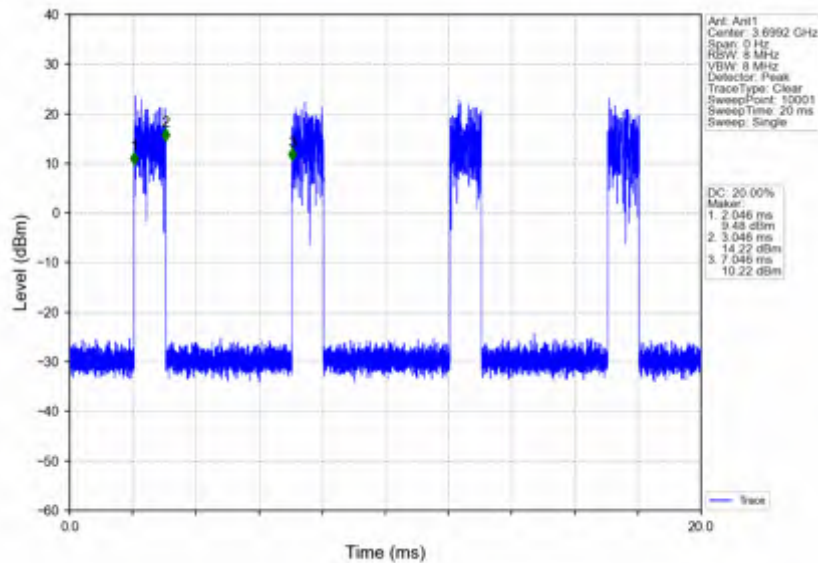
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n78d\_15kHz\_SISO\_NTV\_25MHz\_CP-OFDM 256 QAM\_3687.495MHz\_Inner\_1RB\_Left



n78d\_15kHz\_SISO\_NTV\_25MHz\_CP-OFDM 256 QAM\_3687.495MHz\_Inner\_1RB\_Right



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## 1.5 15k\_SISO\_30MHz\_NTNV

### 1.5.1 Test Result

| 5G NR n78d SCS=15kHz SISO 30MHz NTN |                 |                 |           |             |                |                                   |                       |
|-------------------------------------|-----------------|-----------------|-----------|-------------|----------------|-----------------------------------|-----------------------|
| Modulation                          | Frequency (MHz) | RB Allocation   | T_on (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | Max. DC Variation (%) |
| DFT-s-OFDM PI/2 BPSK                | 3565.005        | Edge_1RB_Left   | 1.002     | 5.000       | 20.04          | 6.98                              | 0.00                  |
|                                     |                 | Edge_1RB_Right  | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |
|                                     |                 | Outer_Full      | 1.002     | 5.000       | 20.04          | 6.98                              | 0.00                  |
|                                     |                 | Inner_Full      | 1.002     | 5.000       | 20.04          | 6.98                              | 0.00                  |
|                                     |                 | Inner_1RB_Left  | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |
|                                     |                 | Inner_1RB_Right | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |
|                                     | 3625.005        | Edge_1RB_Left   | 1.004     | 5.000       | 20.08          | 6.97                              | 0.04                  |
|                                     |                 | Edge_1RB_Right  | 1.024     | 5.000       | 20.48          | 6.89                              | 0.04                  |
|                                     |                 | Outer_Full      | 1.002     | 5.000       | 20.04          | 6.98                              | 0.00                  |
|                                     |                 | Inner_Full      | 1.004     | 5.000       | 20.08          | 6.97                              | 0.00                  |
|                                     |                 | Inner_1RB_Left  | 1.002     | 5.000       | 20.04          | 6.98                              | 0.08                  |
|                                     |                 | Inner_1RB_Right | 1.006     | 5.000       | 20.12          | 6.96                              | 0.00                  |
|                                     | 3684.99         | Edge_1RB_Left   | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |
|                                     |                 | Edge_1RB_Right  | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |
|                                     |                 | Outer_Full      | 1.000     | 5.000       | 20.00          | 6.99                              | 0.05                  |
|                                     |                 | Inner_Full      | 1.002     | 5.000       | 20.04          | 6.98                              | 0.00                  |
|                                     |                 | Inner_1RB_Left  | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |
|                                     |                 | Inner_1RB_Right | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |
| DFT-s-OFDM QPSK                     | 3565.005        | Edge_1RB_Left   | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |
|                                     |                 | Edge_1RB_Right  | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |
|                                     |                 | Outer_Full      | 1.002     | 5.000       | 20.04          | 6.98                              | 0.04                  |
|                                     |                 | Inner_Full      | 1.002     | 5.000       | 20.04          | 6.98                              | 0.00                  |
|                                     |                 | Inner_1RB_Left  | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |
|                                     |                 | Inner_1RB_Right | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |
|                                     | 3625.005        | Edge_1RB_Left   | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |
|                                     |                 | Edge_1RB_Right  | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |
|                                     |                 | Outer_Full      | 1.002     | 5.000       | 20.04          | 6.98                              | 0.00                  |
|                                     |                 | Inner_Full      | 1.002     | 5.000       | 20.04          | 6.98                              | 0.00                  |
|                                     |                 | Inner_1RB_Left  | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |
|                                     |                 | Inner_1RB_Right | 1.002     | 5.000       | 20.04          | 6.98                              | 0.00                  |
|                                     | 3684.99         | Edge_1RB_Left   | 1.002     | 5.000       | 20.04          | 6.98                              | 0.00                  |
|                                     |                 | Edge_1RB_Right  | 1.002     | 5.000       | 20.04          | 6.98                              | 0.00                  |
|                                     |                 | Outer_Full      | 1.000     | 4.998       | 20.01          | 6.99                              | 0.02                  |
|                                     |                 | Inner_Full      | 1.000     | 4.998       | 20.01          | 6.99                              | 0.03                  |
|                                     |                 | Inner_1RB_Left  | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |
|                                     |                 | Inner_1RB_Right | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |
| DFT-s-OFDM 16 QAM                   | 3565.005        | Edge_1RB_Left   | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |
|                                     |                 | Edge_1RB_Right  | 1.002     | 5.000       | 20.04          | 6.98                              | 0.00                  |
|                                     |                 | Outer_Full      | 1.002     | 5.000       | 20.04          | 6.98                              | 0.00                  |
|                                     |                 | Inner_Full      | 1.002     | 5.000       | 20.04          | 6.98                              | 0.00                  |
|                                     |                 | Inner_1RB_Left  | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |
|                                     |                 | Inner_1RB_Right | 1.000     | 5.000       | 20.00          | 6.99                              | 0.07                  |
|                                     | 3625.005        | Edge_1RB_Left   | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |
|                                     |                 | Edge_1RB_Right  | 1.000     | 5.000       | 20.00          | 6.99                              | 0.00                  |



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|                    |                   |                 |                 |       |       |       |      |      |
|--------------------|-------------------|-----------------|-----------------|-------|-------|-------|------|------|
|                    |                   | Outer_Full      | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|                    |                   | Inner_Full      | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|                    |                   | Inner_1RB_Left  | 1.000           | 5.000 | 20.00 | 6.99  | 0.00 |      |
|                    |                   | Inner_1RB_Right | 1.000           | 5.000 | 20.00 | 6.99  | 0.00 |      |
|                    | 3684.99           |                 | Edge_1RB_Left   | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|                    |                   |                 | Edge_1RB_Right  | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
|                    |                   |                 | Outer_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|                    |                   |                 | Inner_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|                    | DFT-s-OFDM 64 QAM | 3684.99         | Inner_1RB_Left  | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
|                    |                   |                 | Inner_1RB_Right | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|                    |                   |                 | Edge_1RB_Left   | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
|                    |                   |                 | Edge_1RB_Right  | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
| 3565.005           |                   |                 | Outer_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|                    |                   |                 | Inner_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|                    |                   |                 | Inner_1RB_Left  | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|                    |                   |                 | Inner_1RB_Right | 1.000 | 5.000 | 20.00 | 6.99 | 0.04 |
| 3625.005           |                   |                 | Edge_1RB_Left   | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
|                    |                   |                 | Edge_1RB_Right  | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|                    |                   |                 | Outer_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|                    |                   |                 | Inner_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
| 3684.99            |                   | Inner_1RB_Left  | 1.000           | 5.000 | 20.00 | 6.99  | 0.00 |      |
|                    |                   | Inner_1RB_Right | 1.000           | 5.000 | 20.00 | 6.99  | 0.00 |      |
|                    |                   | Edge_1RB_Left   | 1.000           | 5.000 | 20.00 | 6.99  | 0.00 |      |
|                    |                   | Edge_1RB_Right  | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
| DFT-s-OFDM 256 QAM | 3684.99           | Inner_Full      | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|                    |                   | Inner_1RB_Left  | 1.000           | 5.000 | 20.00 | 6.99  | 0.00 |      |
|                    |                   | Inner_1RB_Right | 1.000           | 5.000 | 20.00 | 6.99  | 0.04 |      |
|                    |                   | Edge_1RB_Left   | 1.000           | 5.000 | 20.00 | 6.99  | 0.00 |      |
|                    | 3565.005          |                 | Edge_1RB_Right  | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|                    |                   |                 | Outer_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|                    |                   |                 | Inner_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|                    |                   |                 | Inner_1RB_Left  | 1.000 | 5.000 | 20.00 | 6.99 | 0.03 |
|                    | 3625.005          |                 | Inner_1RB_Right | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
|                    |                   |                 | Edge_1RB_Left   | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
|                    |                   |                 | Edge_1RB_Right  | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|                    |                   |                 | Outer_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
| 3684.99            |                   | Inner_Full      | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|                    |                   | Inner_1RB_Left  | 1.000           | 5.000 | 20.00 | 6.99  | 0.00 |      |
|                    |                   | Inner_1RB_Right | 1.000           | 5.000 | 20.00 | 6.99  | 0.04 |      |
|                    |                   | Edge_1RB_Left   | 1.000           | 5.000 | 20.00 | 6.99  | 0.00 |      |
| CP-OFDM QPSK       | 3684.99           | Edge_1RB_Right  | 1.000           | 5.000 | 20.00 | 6.99  | 0.00 |      |
|                    |                   | Outer_Full      | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|                    |                   | Inner_Full      | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|                    |                   | Inner_1RB_Left  | 1.000           | 5.000 | 20.00 | 6.99  | 0.00 |      |
|                    | 3565.005          |                 | Inner_1RB_Right | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
|                    |                   |                 | Edge_1RB_Left   | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
|                    |                   |                 | Edge_1RB_Right  | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
|                    |                   |                 | Outer_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|                    | 3625.005          |                 | Inner_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|                    |                   |                 | Inner_1RB_Left  | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
|                    |                   |                 | Inner_1RB_Right | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
|                    |                   |                 | Edge_1RB_Left   | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
| 3684.99            |                   | Edge_1RB_Right  | 1.000           | 5.000 | 20.00 | 6.99  | 0.00 |      |
|                    |                   | Outer_Full      | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|                    |                   | Inner_Full      | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|                    |                   | Inner_1RB_Left  | 1.000           | 5.000 | 20.00 | 6.99  | 0.00 |      |



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|          |          |                 |                 |                 |       |       |       |      |      |
|----------|----------|-----------------|-----------------|-----------------|-------|-------|-------|------|------|
|          |          | Outer_Full      | 1.002           | 5.000           | 20.04 | 6.98  | 0.00  |      |      |
|          |          | Inner_Full      | 1.002           | 5.000           | 20.04 | 6.98  | 0.00  |      |      |
|          |          | Inner_1RB_Left  | 1.000           | 5.000           | 20.00 | 6.99  | 0.00  |      |      |
|          |          | Inner_1RB_Right | 1.000           | 5.000           | 20.00 | 6.99  | 0.00  |      |      |
|          | 3684.99  |                 | Edge_1RB_Left   | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|          |          |                 | Edge_1RB_Right  | 1.000           | 5.000 | 20.00 | 6.99  | 0.00 |      |
|          |          |                 | Outer_Full      | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|          |          |                 | Inner_Full      | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|          |          | 3565.005        |                 | Inner_1RB_Left  | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|          |          |                 |                 | Inner_1RB_Right | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|          |          |                 |                 | Edge_1RB_Left   | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|          |          |                 |                 | Edge_1RB_Right  | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
| 3625.005 |          |                 |                 | Outer_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|          |          |                 |                 | Inner_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|          |          |                 |                 | Inner_1RB_Left  | 1.000 | 5.000 | 20.00 | 6.99 | 0.03 |
|          |          |                 |                 | Inner_1RB_Right | 1.000 | 5.000 | 20.00 | 6.99 | 0.03 |
| 3684.99  |          |                 |                 | Edge_1RB_Left   | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
|          |          |                 |                 | Edge_1RB_Right  | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
|          |          |                 |                 | Outer_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|          |          |                 |                 | Inner_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|          | 3565.005 |                 | Inner_1RB_Left  | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|          |          |                 | Inner_1RB_Right | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|          |          |                 | Edge_1RB_Left   | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|          |          |                 | Edge_1RB_Right  | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|          | 3625.005 |                 |                 | Outer_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|          |          |                 |                 | Inner_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|          |          |                 |                 | Inner_1RB_Left  | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
|          |          |                 |                 | Inner_1RB_Right | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|          | 3684.99  |                 |                 | Edge_1RB_Left   | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
|          |          |                 |                 | Edge_1RB_Right  | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
|          |          |                 |                 | Outer_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|          |          |                 |                 | Inner_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|          | 3565.005 |                 | Inner_1RB_Left  | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|          |          |                 | Inner_1RB_Right | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|          |          |                 | Edge_1RB_Left   | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|          |          |                 | Edge_1RB_Right  | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|          | 3625.005 |                 |                 | Outer_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|          |          |                 |                 | Inner_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|          |          |                 |                 | Inner_1RB_Left  | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
|          |          |                 |                 | Inner_1RB_Right | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|          | 3684.99  |                 |                 | Edge_1RB_Left   | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
|          |          |                 |                 | Edge_1RB_Right  | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
|          |          |                 |                 | Outer_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|          |          |                 |                 | Inner_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|          | 3565.005 |                 | Inner_1RB_Left  | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|          |          |                 | Inner_1RB_Right | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|          |          |                 | Edge_1RB_Left   | 1.002           | 5.000 | 20.04 | 6.98  | 0.00 |      |
|          |          |                 | Edge_1RB_Right  | 1.000           | 5.000 | 20.00 | 6.99  | 0.00 |      |
|          | 3625.005 |                 |                 | Outer_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|          |          |                 |                 | Inner_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.03 |
|          |          |                 |                 | Inner_1RB_Left  | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|          |          |                 |                 | Inner_1RB_Right | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |



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|  |         |                 |       |       |       |      |      |
|--|---------|-----------------|-------|-------|-------|------|------|
|  |         | Outer_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|  |         | Inner_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|  |         | Inner_1RB_Left  | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|  |         | Inner_1RB_Right | 1.000 | 5.000 | 20.00 | 6.99 | 0.04 |
|  | 3684.99 | Edge_1RB_Left   | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
|  |         |                 | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |
|  |         | Outer_Full      | 1.002 | 5.000 | 20.04 | 6.98 | 0.00 |
|  |         |                 | 1.000 | 5.000 | 20.00 | 6.99 | 0.03 |
|  |         | Inner_1RB_Left  | 1.000 | 5.000 | 20.00 | 6.99 | 0.04 |
|  |         |                 | 1.000 | 5.000 | 20.00 | 6.99 | 0.00 |

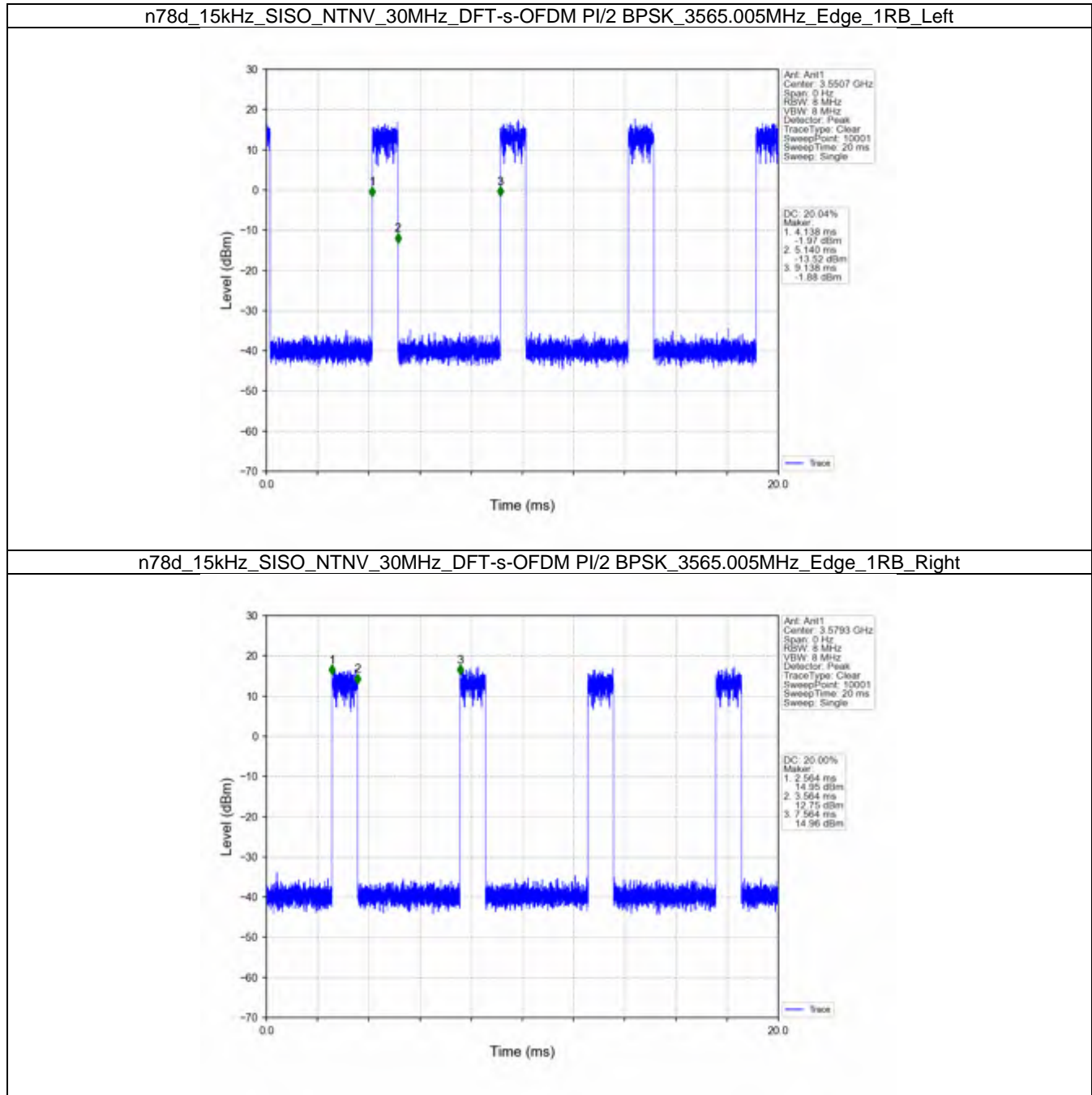


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## 1.5.2 Test Graph



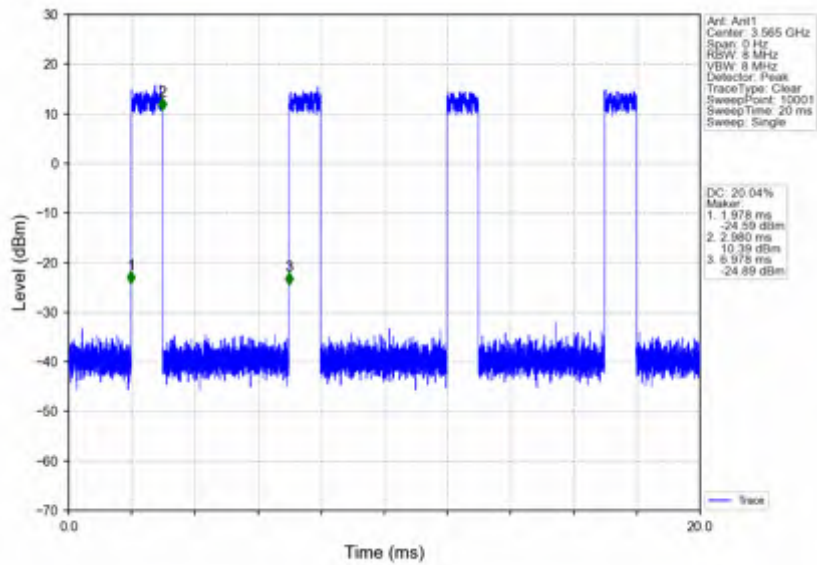
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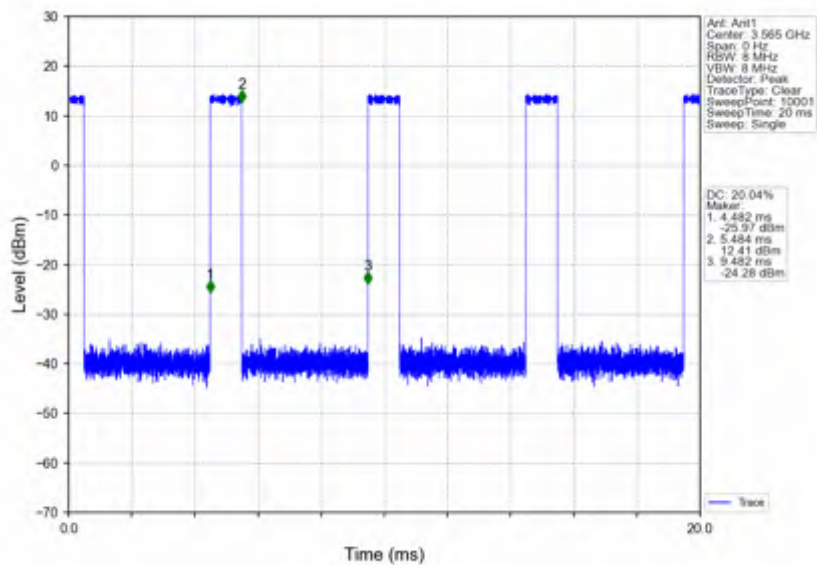
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n78d\_15kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM PI/2 BPSK\_3565.005MHz\_Outer\_Full



n78d\_15kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM PI/2 BPSK\_3565.005MHz\_Inner\_Full

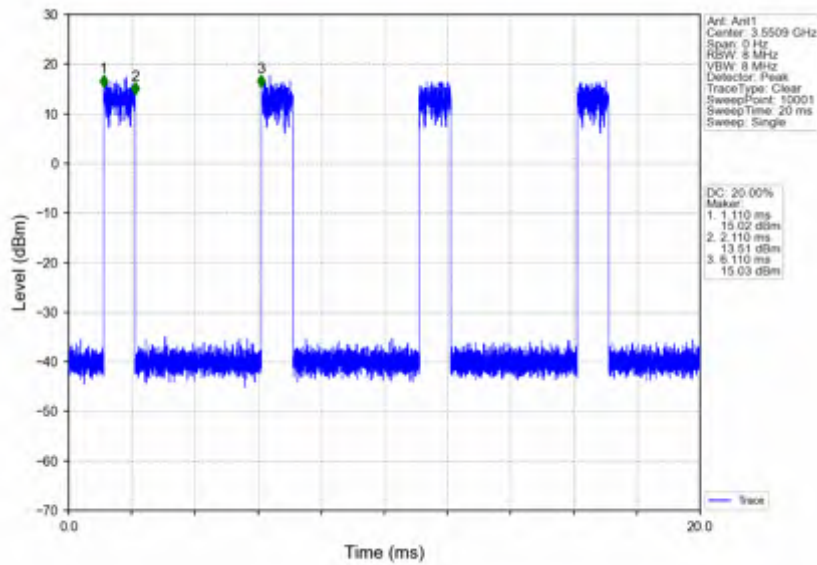


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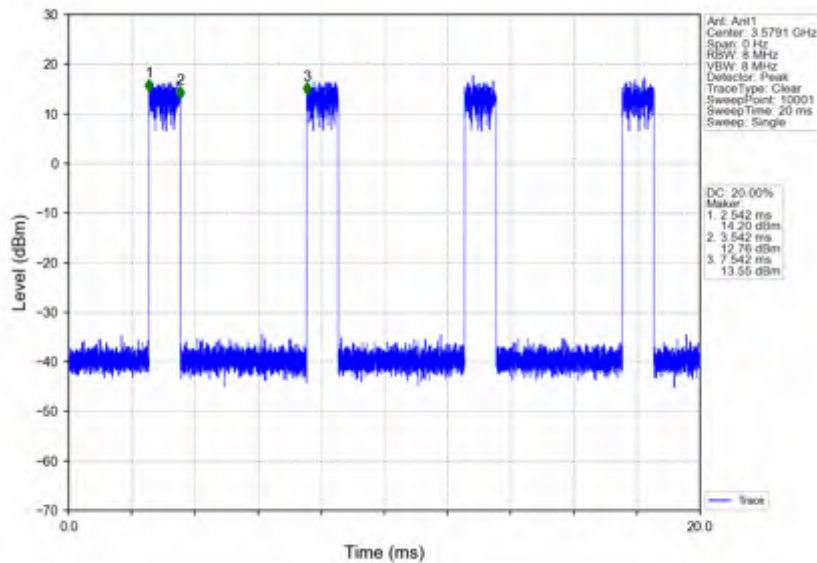
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n78d\_15kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM PI/2 BPSK\_3565.005MHz\_Inner\_1RB\_Right

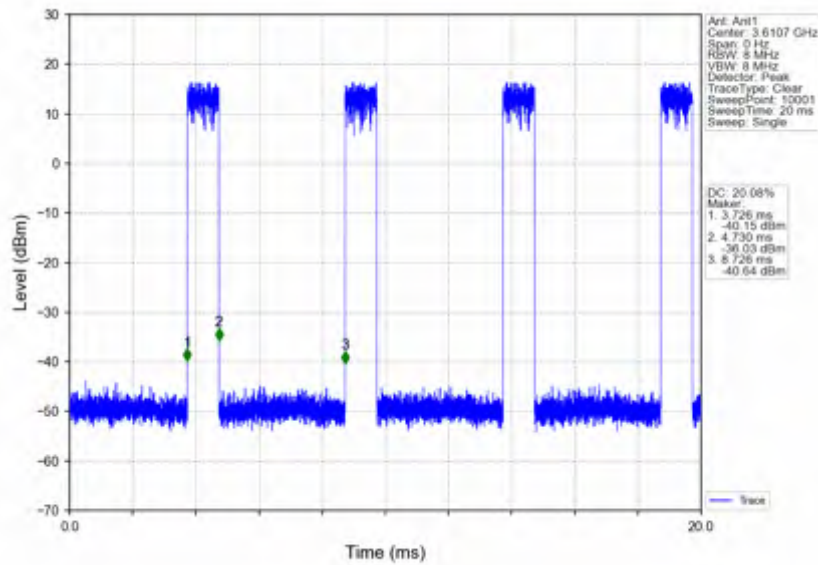


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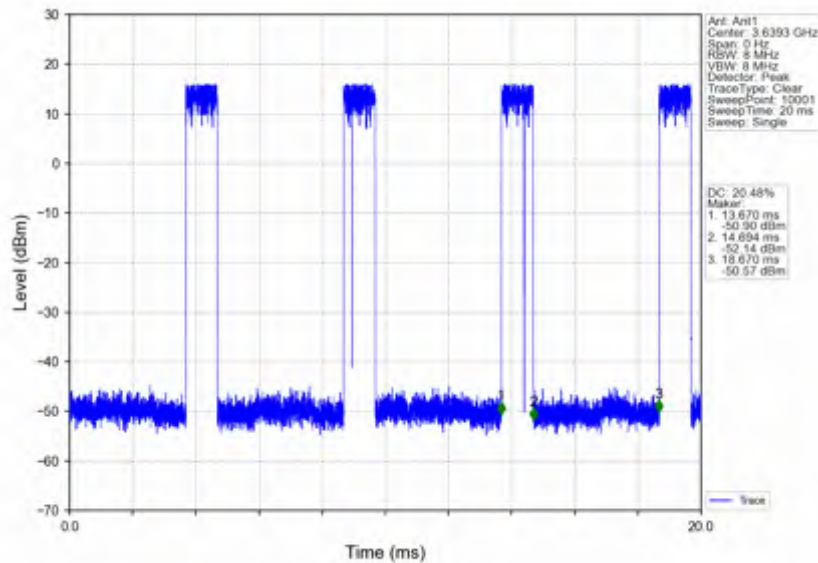
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n78d\_15kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM PI/2 BPSK\_3625.005MHz\_Edge\_1RB\_Left



n78d\_15kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM PI/2 BPSK\_3625.005MHz\_Edge\_1RB\_Right



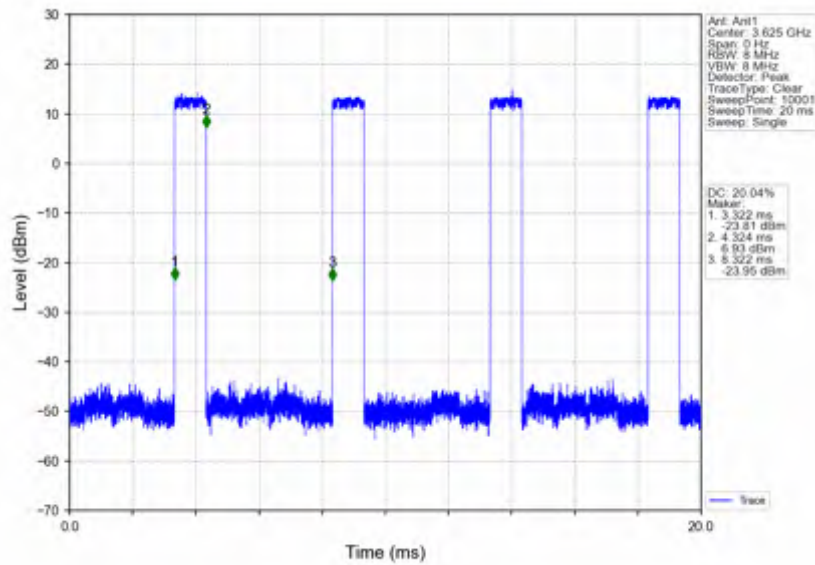
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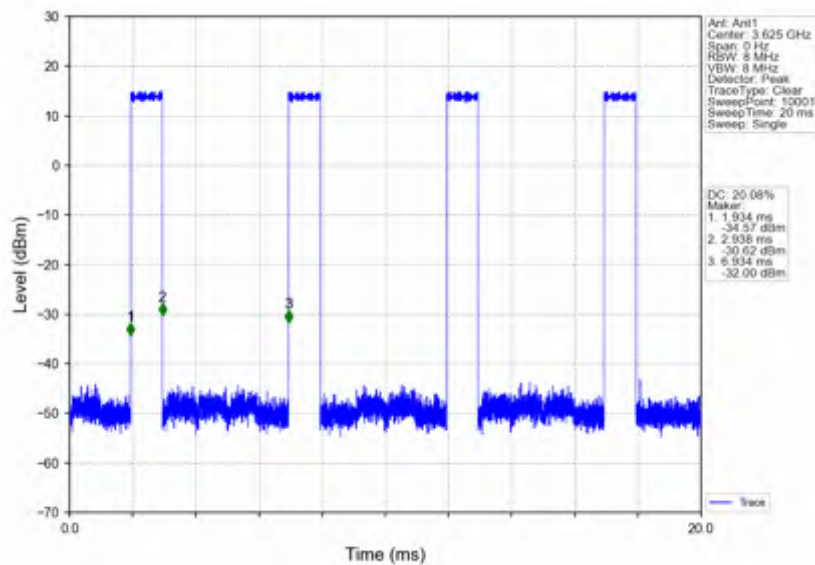
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n78d\_15kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM PI/2 BPSK\_3625.005MHz\_Outer\_Full



n78d\_15kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM PI/2 BPSK\_3625.005MHz\_Inner\_Full



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