

Appendix D for KSCR2212002457AT-FCC-NR48-ANT1

1. Duty Cycle

1.1 30k\_SISO\_10MHz\_NTNV

1.1.1 Test Result

5G NR n48 SCS=30kHz SISO 10MHz 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	3555	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	1.000	5.000	20.00	6.99	0.03
		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
	3624.99	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	0.00
		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
	3694.98	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	0.00
		Inner_Full	1.000	5.000	20.00	6.99	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
DFT-s-OFDM QPSK	3555	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	0.00
		Inner_Full	1.000	5.000	20.00	6.99	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
	3624.99	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	0.00
		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
	3694.98	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	1.000	5.000	20.00	6.99	0.00
		Inner_Full	1.000	5.000	20.00	6.99	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
DFT-s-OFDM 16 QAM	3555	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	0.00
		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



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	3624.99	Inner_1RB_Right	1.000	5.000	20.00	6.99	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
		Outer_Full	1.000	5.000	20.00	6.99	0.00
		Inner_Full	1.000	5.000	20.00	6.99	0.00
		Inner_1RB_Left	1.000	5.000	20.00	6.99	0.00
	3694.98	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	1.000	5.000	20.00	6.99	0.00
		Inner_Full	1.000	5.000	20.00	6.99	0.00
		Inner_1RB_Left	1.000	5.000	20.00	6.99	0.00
DFT-s-OFDM 64 QAM	3555	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
		Outer_Full	1.000	5.000	20.00	6.99	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
	3624.99	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	1.000	5.000	20.00	6.99	0.00
		Inner_Full	1.000	5.000	20.00	6.99	0.00
		Inner_1RB_Left	1.000	5.000	20.00	6.99	0.00
	3694.98	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	1.000	5.000	20.00	6.99	0.00
		Inner_Full	1.000	5.000	20.00	6.99	0.00
		Inner_1RB_Left	1.000	5.000	20.00	6.99	0.00
DFT-s-OFDM 256 QAM	3555	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
		Outer_Full	1.000	5.000	20.00	6.99	0.00
		Inner_Full	1.000	5.000	20.00	6.99	0.00
		Inner_1RB_Left	1.000	4.998	20.01	6.99	0.03
	3624.99	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
		Outer_Full	1.000	5.000	20.00	6.99	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
	3694.98	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	1.002	5.000	20.04	6.98	0.00
		Outer_Full	1.000	5.000	20.00	6.99	0.00
		Inner_Full	1.000	5.000	20.00	6.99	0.04
		Inner_1RB_Left	1.002	5.000	20.04	6.98	0.00
CP-OFDM QPSK	3555	Inner_1RB_Right	1.000	5.000	20.00	6.99	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
		Outer_Full	1.000	5.000	20.00	6.99	0.00
		Inner_Full	1.000	5.000	20.00	6.99	0.00



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	3624.99	Inner_1RB_Right	1.000	5.000	20.00	6.99	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
		Outer_Full	1.000	5.000	20.00	6.99	0.00
		Inner_Full	1.000	5.000	20.00	6.99	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
	3694.98	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	1.000	5.000	20.00	6.99	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
		Inner_1RB_Right	1.000	5.000	20.00	6.99	0.00
CP-OFDM 16 QAM	3555	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	1.000	5.000	20.00	6.99	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
	3624.99	Edge_1RB_Left	1.000	5.000	20.00	6.99	0.04
		Edge_1RB_Right	1.000	5.000	20.00	6.99	0.00
		Outer_Full	1.000	5.000	20.00	6.99	0.00
		Inner_Full	1.000	5.000	20.00	6.99	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
	3694.98	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	0.00
		Inner_Full	1.000	5.000	20.00	6.99	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
CP-OFDM 64 QAM	3555	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	1.000	5.000	20.00	6.99	0.00
		Inner_Full	1.000	5.000	20.00	6.99	0.01
		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
	3624.99	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	1.000	4.998	20.01	6.99	0.02
		Inner_Full	1.000	5.000	20.00	6.99	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
	3694.98	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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		Inner_Full	1.000	5.000	20.00	6.99	0.00
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CP-OFDM 256 QAM	3555	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	1.000	5.000	20.00	6.99	0.00
		Inner_1RB_Left	1.000	5.000	20.00	6.99	0.00



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	3624.99	Inner_1RB_Right	1.000	5.000	20.00	6.99	0.00
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		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	5.000	20.00	6.99	0.00
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	3694.98	Edge_1RB_Left	1.000	5.000	20.00	6.99	0.00
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		Outer_Full	1.000	5.000	20.00	6.99	0.00
		Inner_Full	1.000	5.000	20.00	6.99	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
		Inner_1RB_Right	1.000	5.000	20.00	6.99	0.00

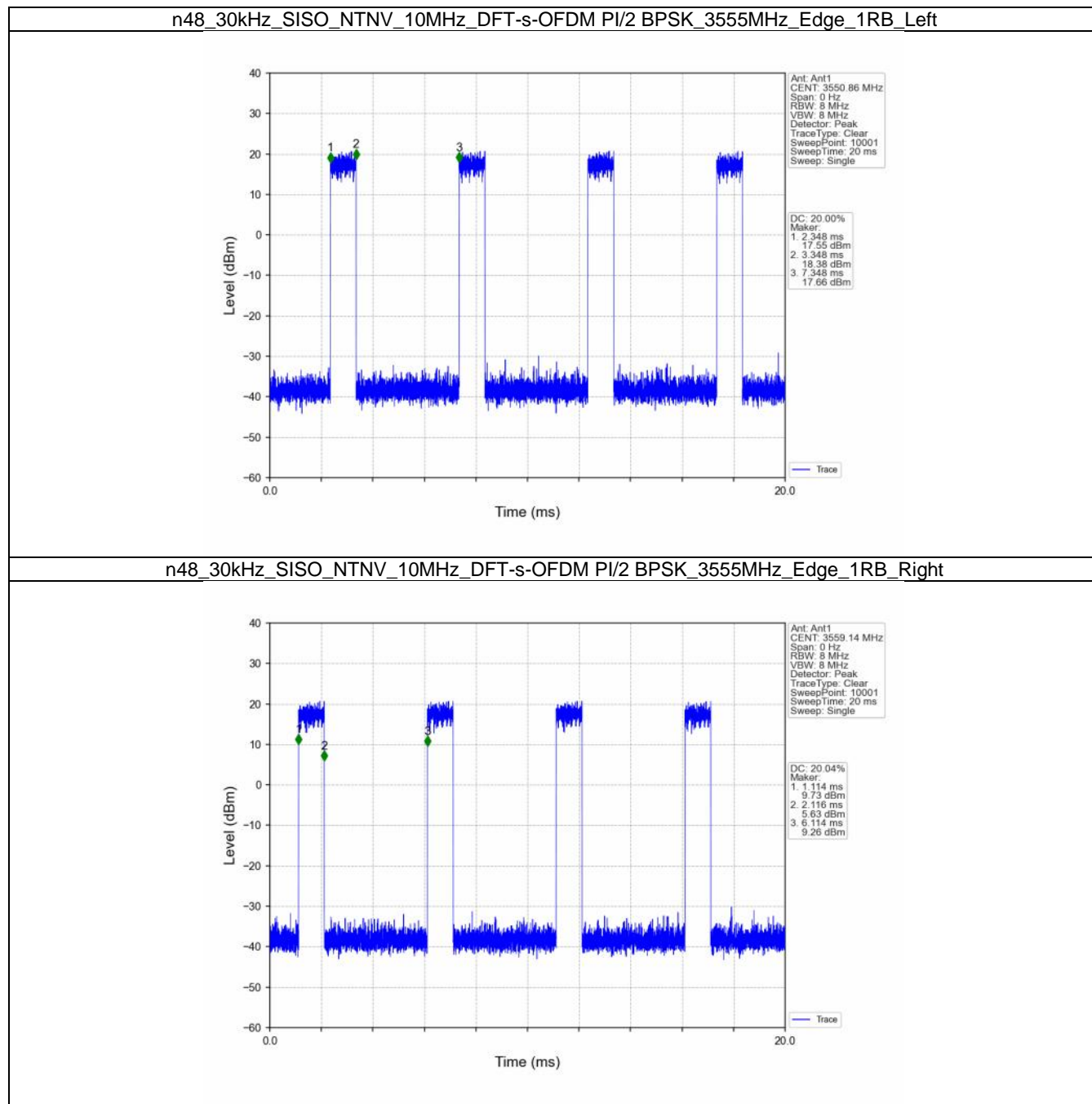


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## 1.1.2 Test Graph

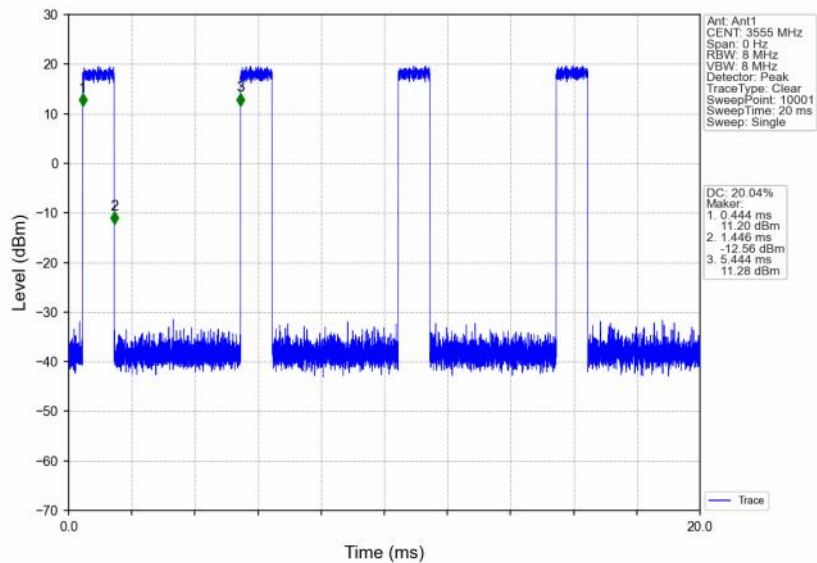


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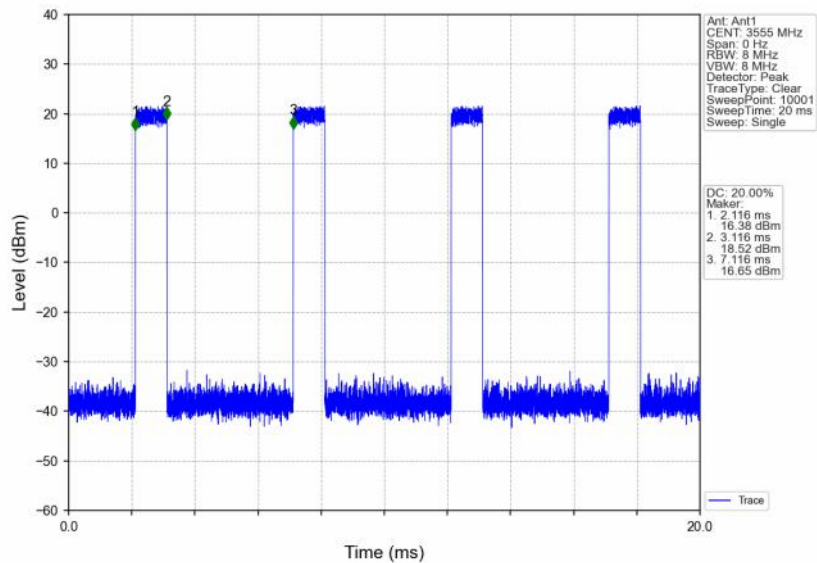
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3555MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3555MHz\_Inner\_Full

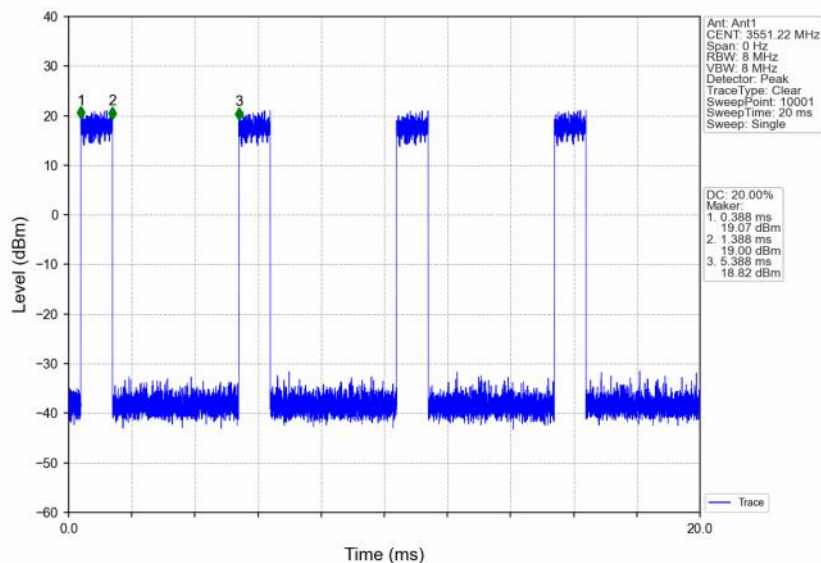


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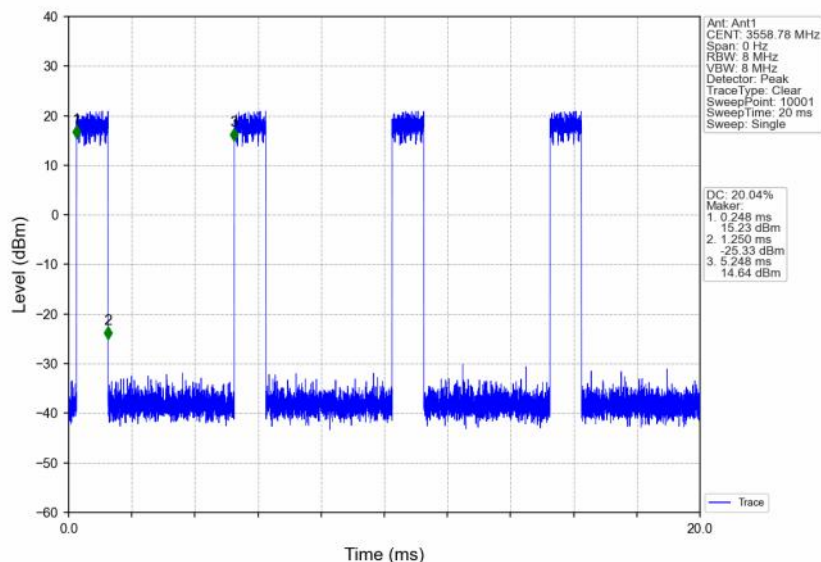
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3555MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3555MHz\_Inner\_1RB\_Right

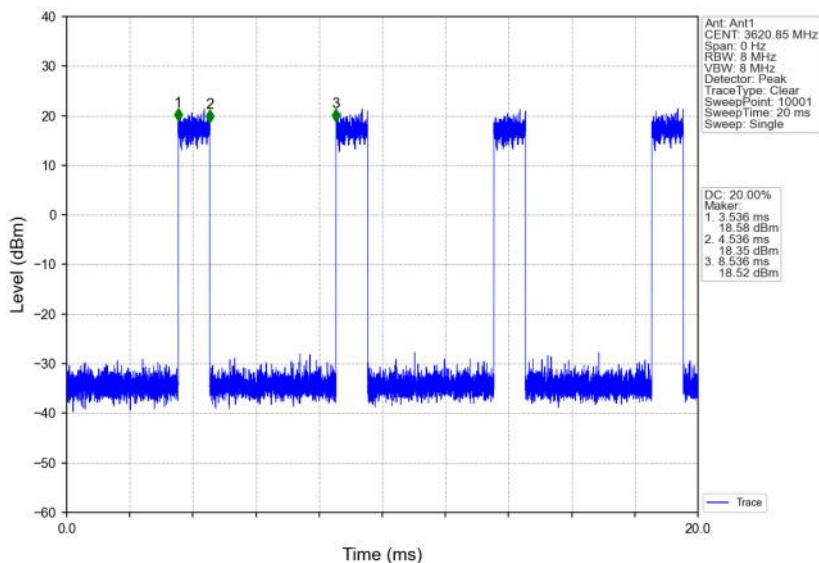


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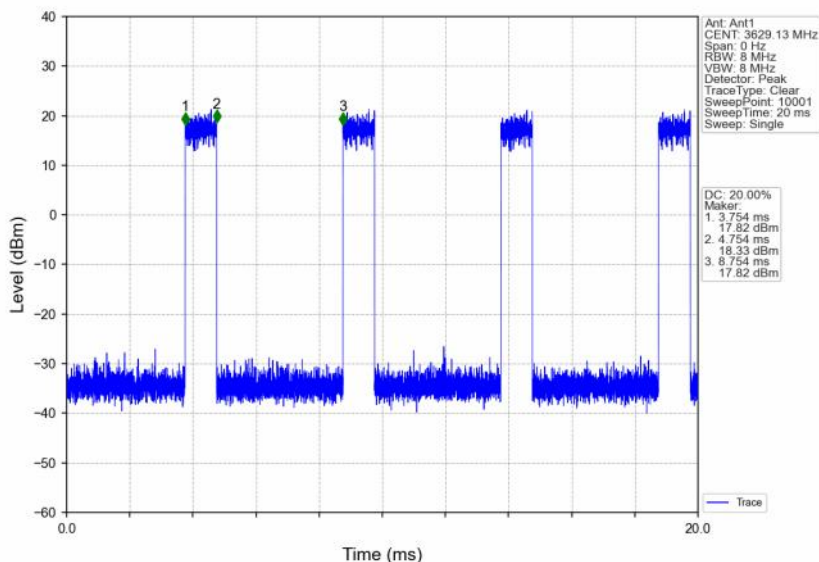
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3624.99MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3624.99MHz\_Edge\_1RB\_Right



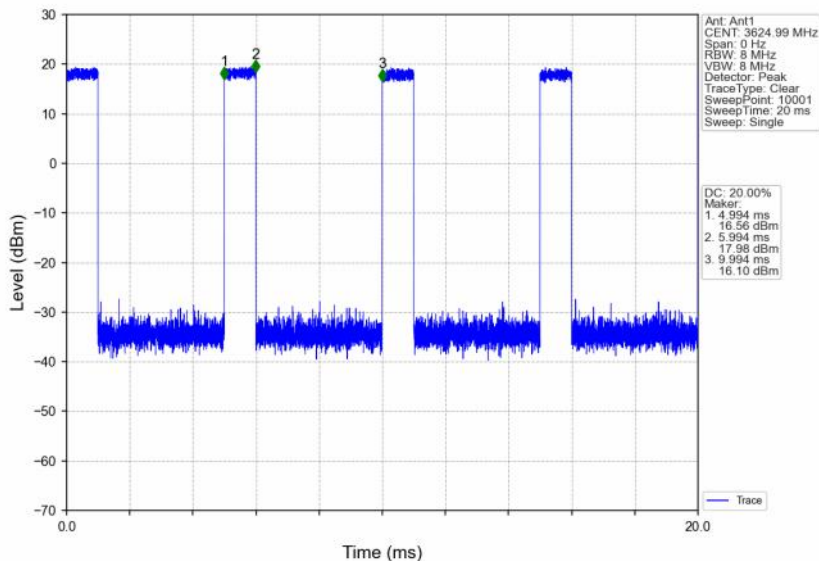
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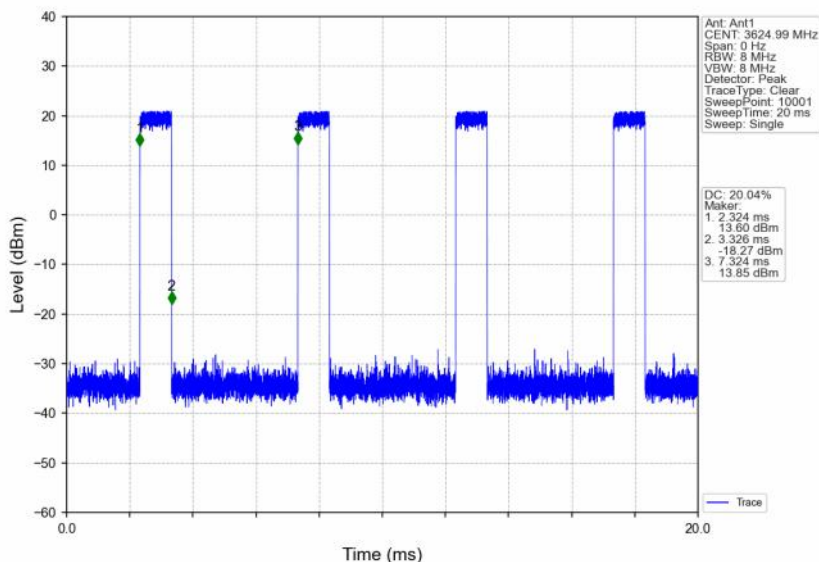
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3624.99MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3624.99MHz\_Inner\_Full

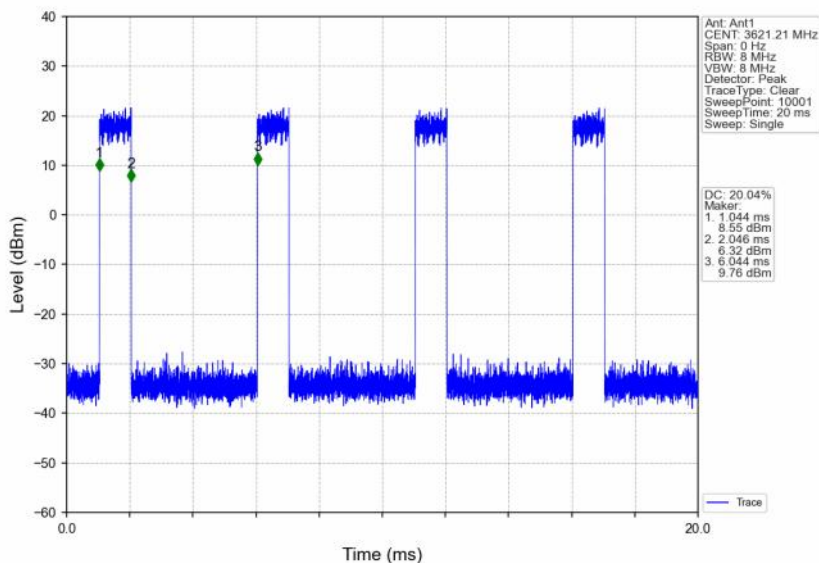


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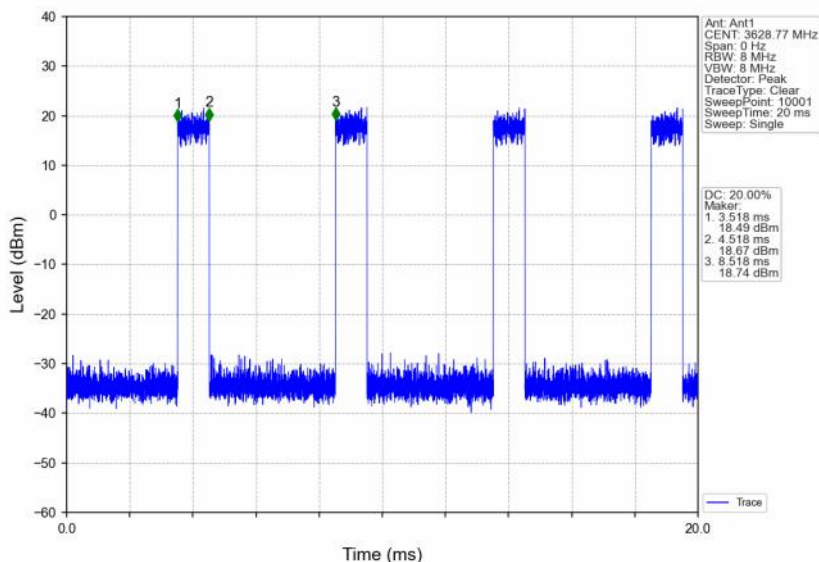
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3624.99MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3624.99MHz\_Inner\_1RB\_Right

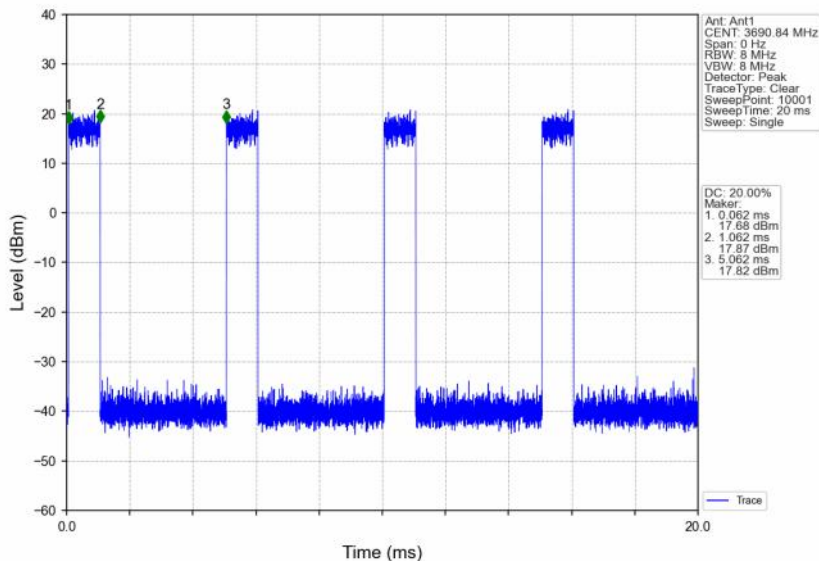


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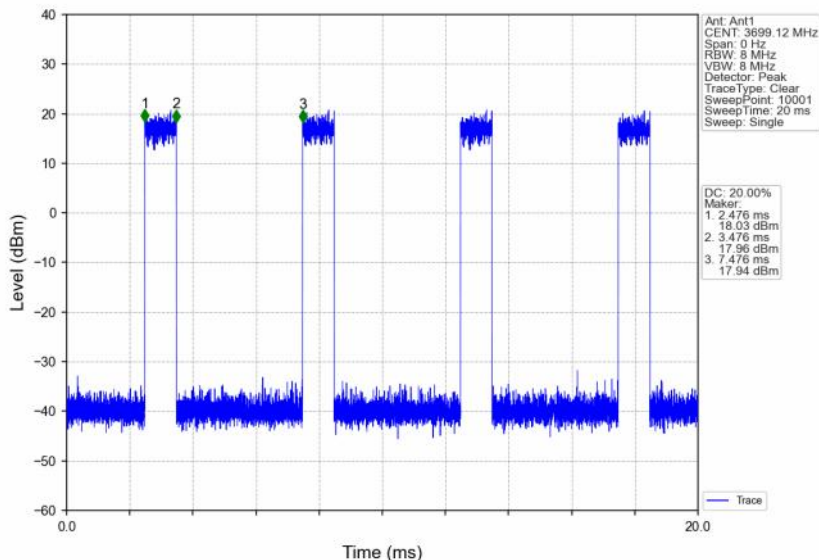
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3694.98MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3694.98MHz\_Edge\_1RB\_Right

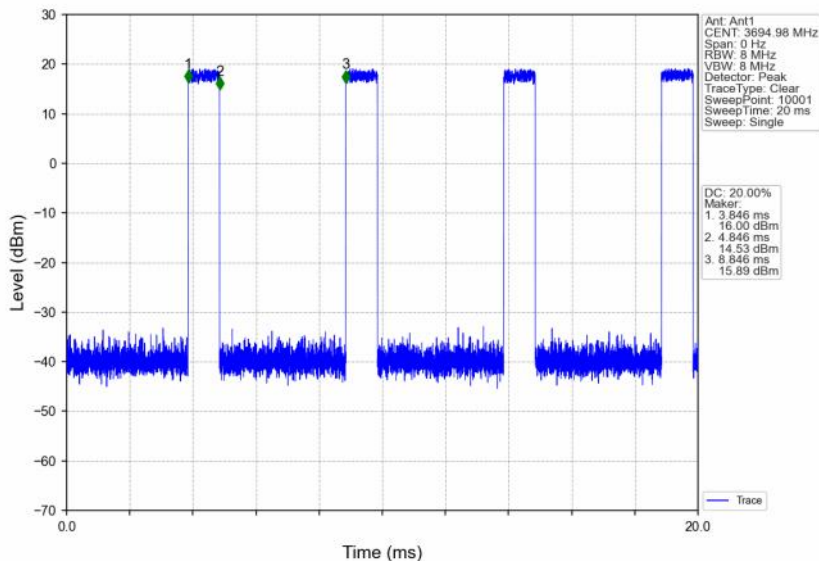


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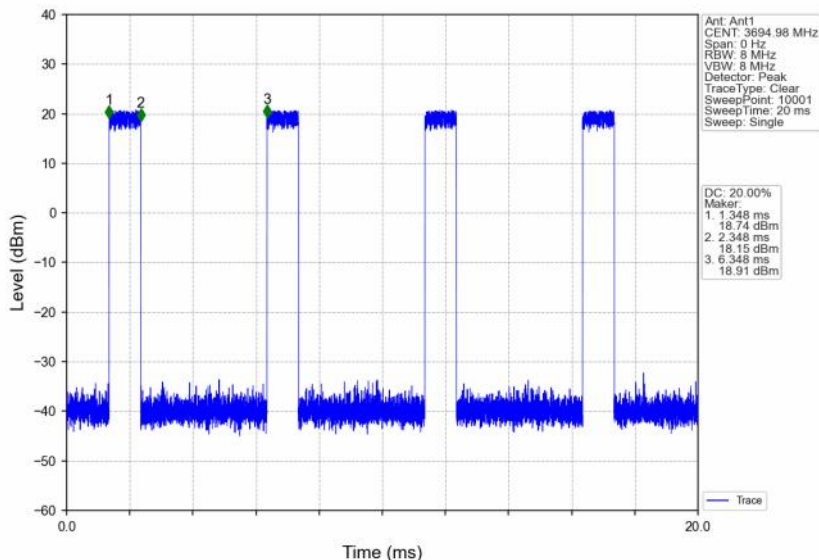
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3694.98MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3694.98MHz\_Inner\_Full

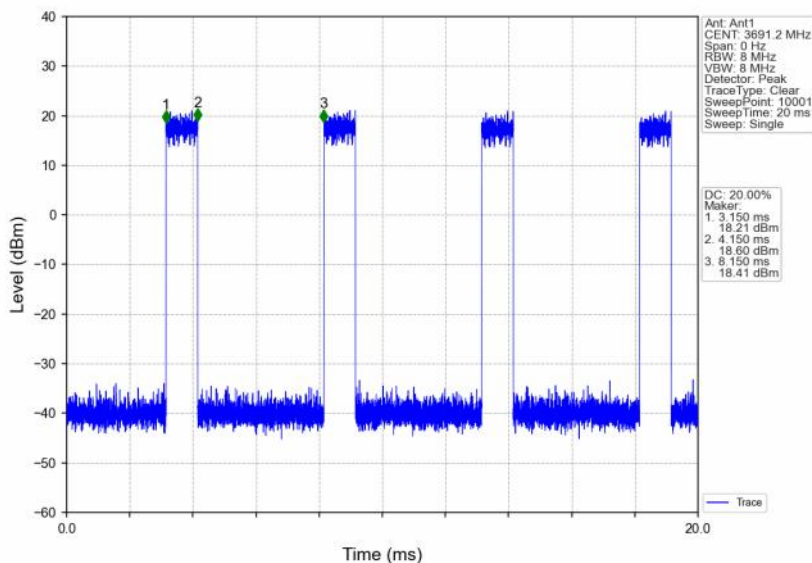


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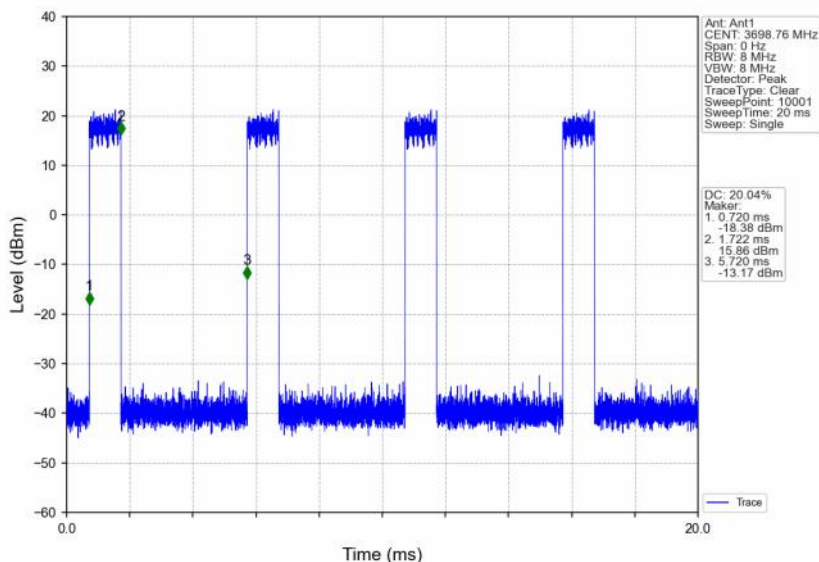
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3694.98MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3694.98MHz\_Inner\_1RB\_Right

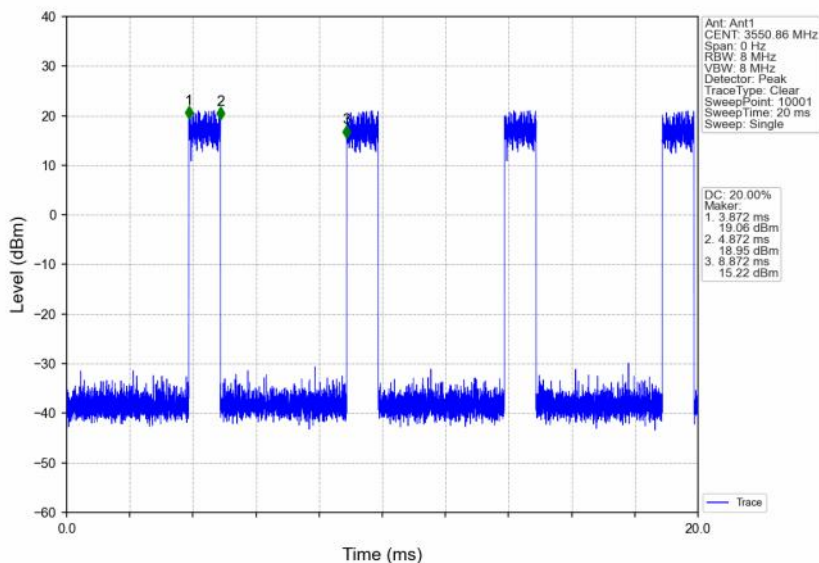


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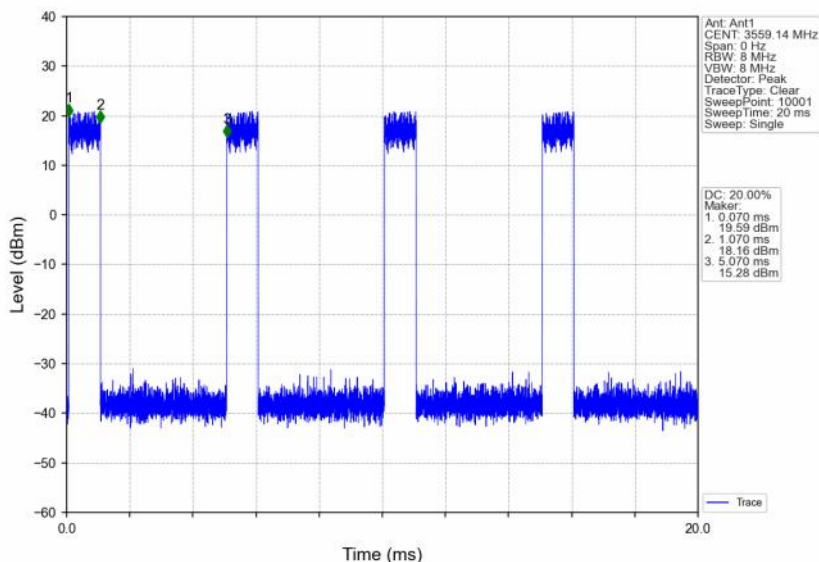
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3555MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3555MHz\_Edge\_1RB\_Right

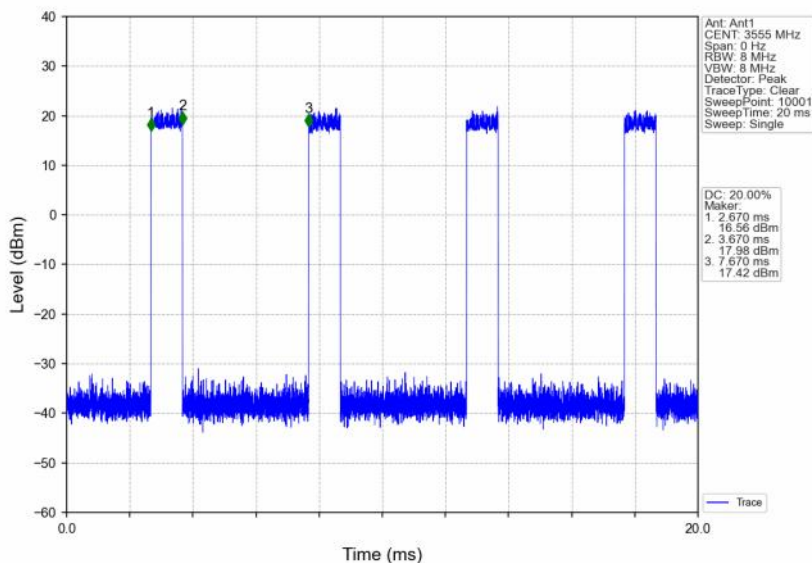


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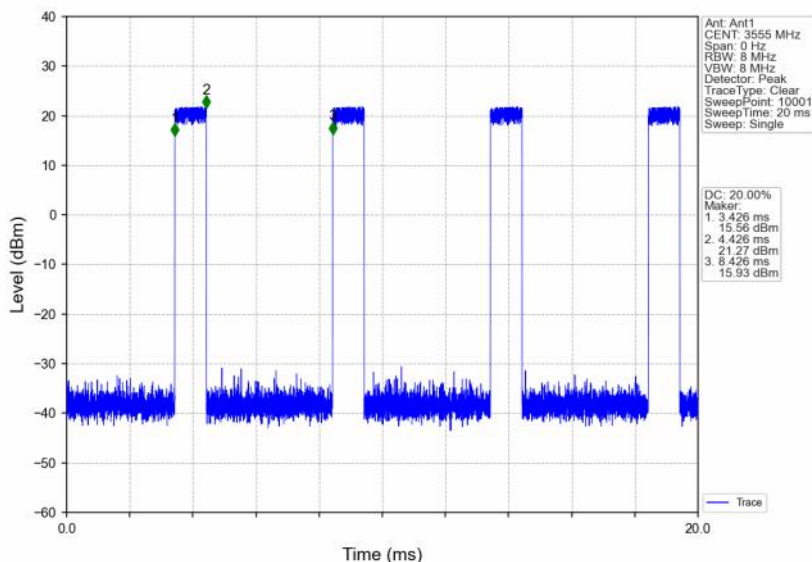
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3555MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3555MHz\_Inner\_Full

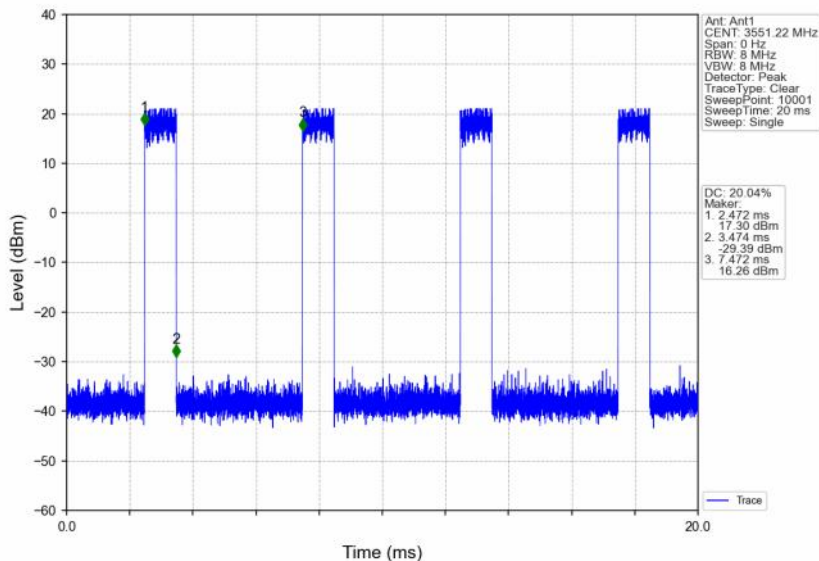


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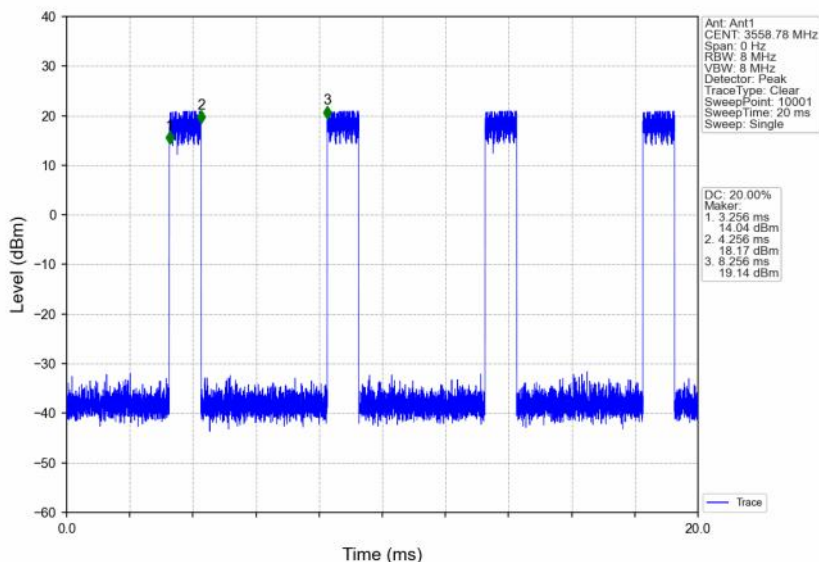
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3555MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3555MHz\_Inner\_1RB\_Right



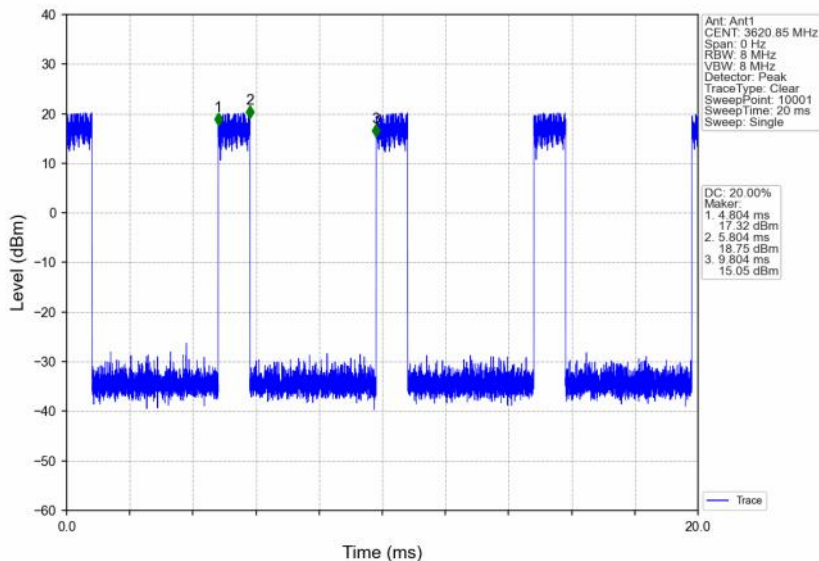
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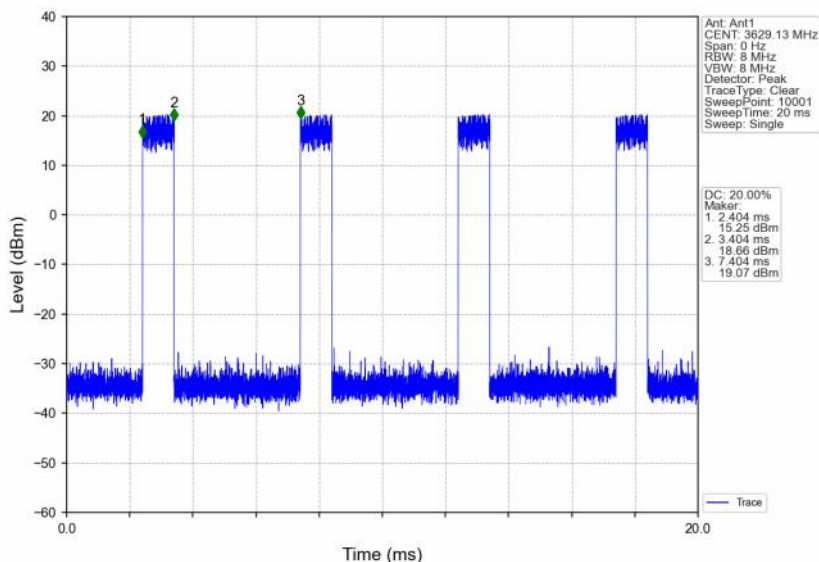
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3624.99MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3624.99MHz\_Edge\_1RB\_Right

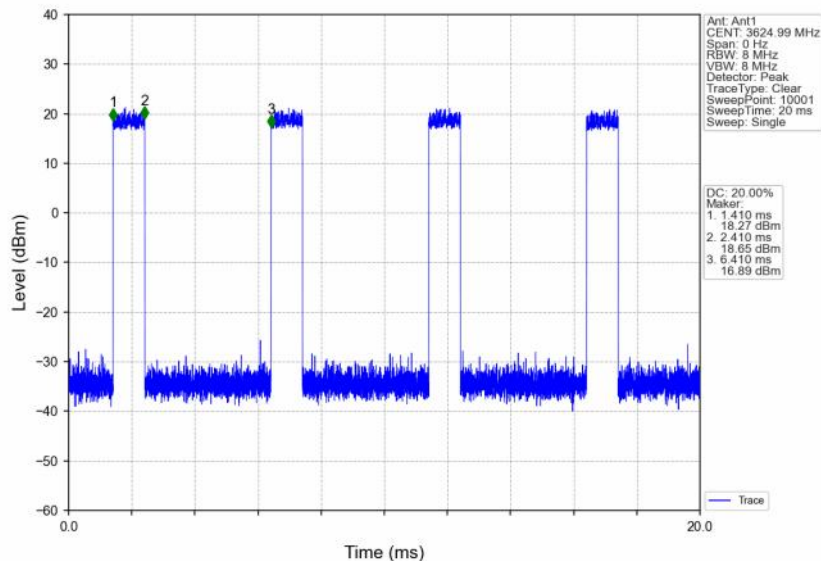


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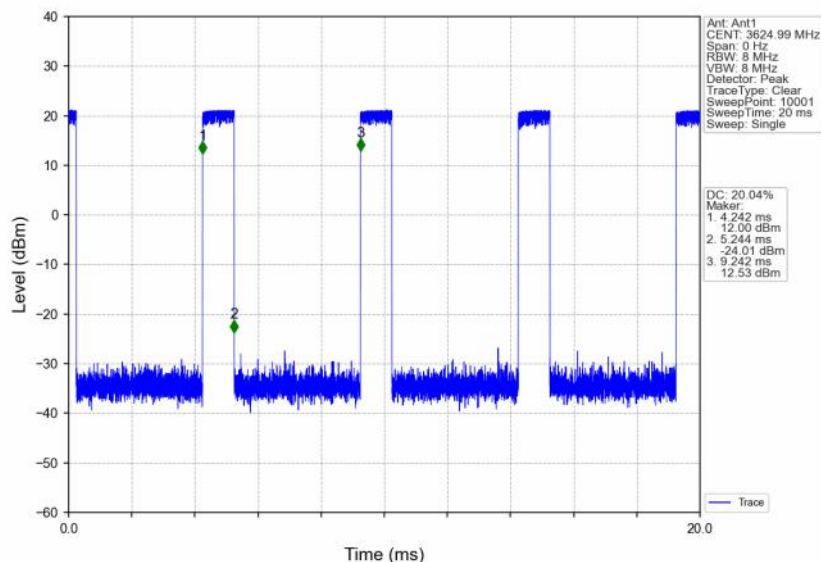
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3624.99MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3624.99MHz\_Inner\_Full

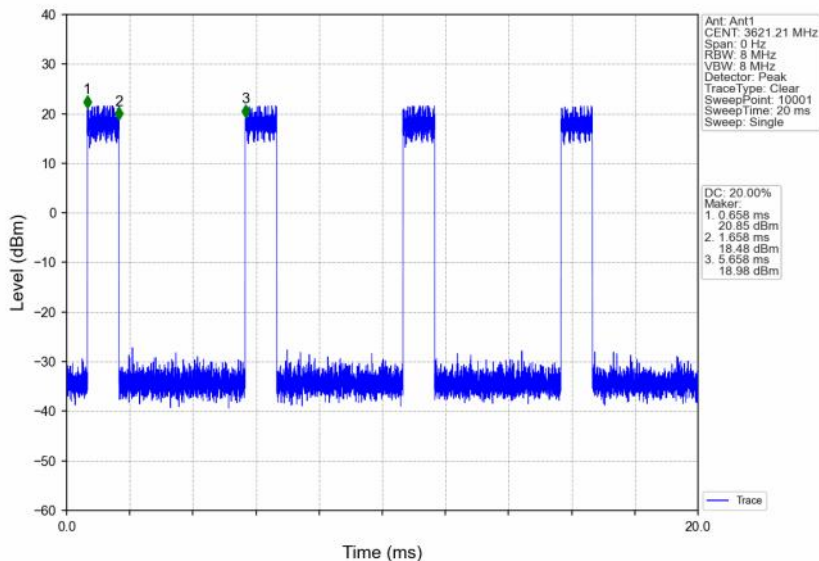


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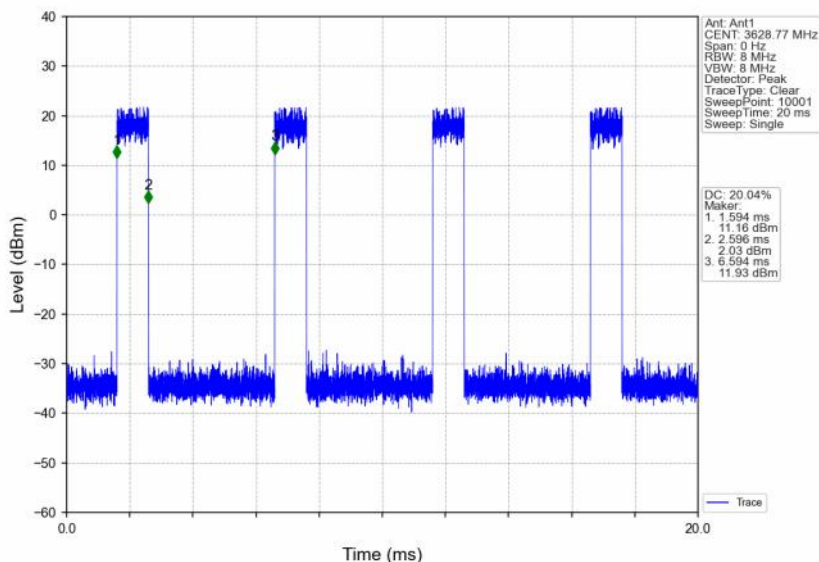
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3624.99MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3624.99MHz\_Inner\_1RB\_Right

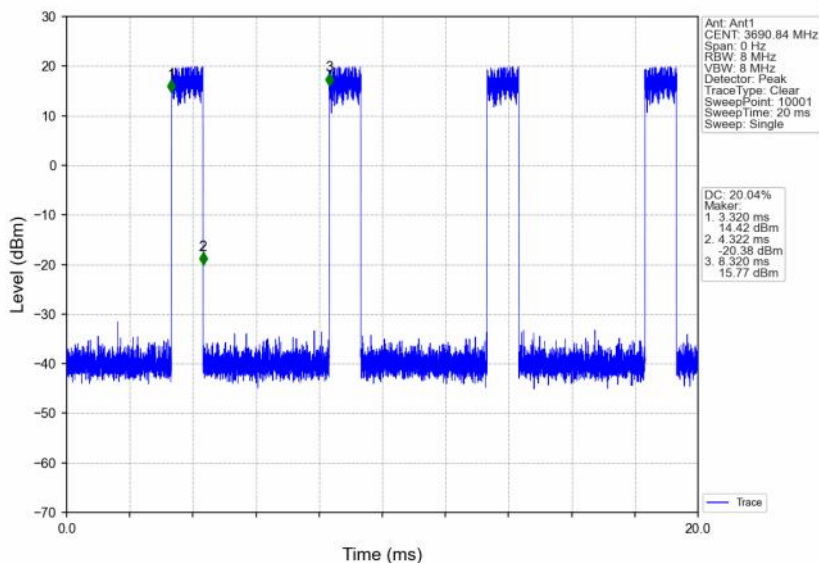


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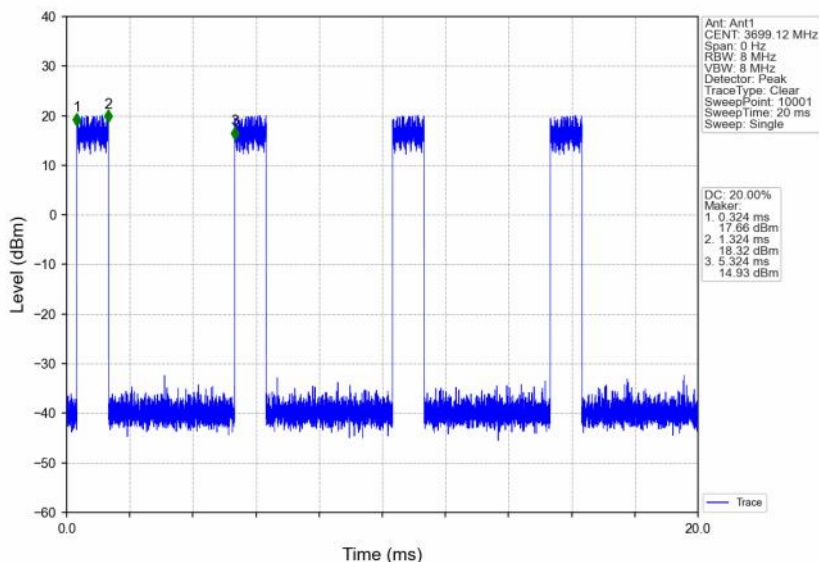
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3694.98MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3694.98MHz\_Edge\_1RB\_Right

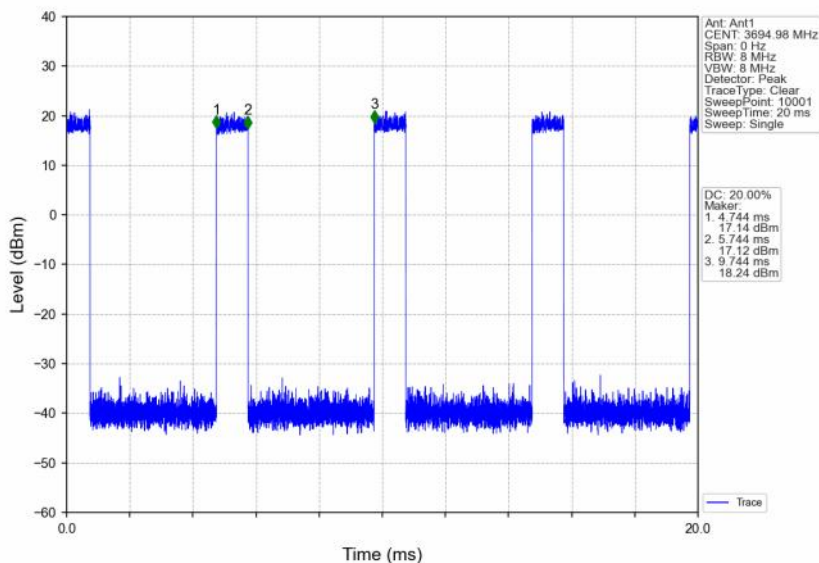


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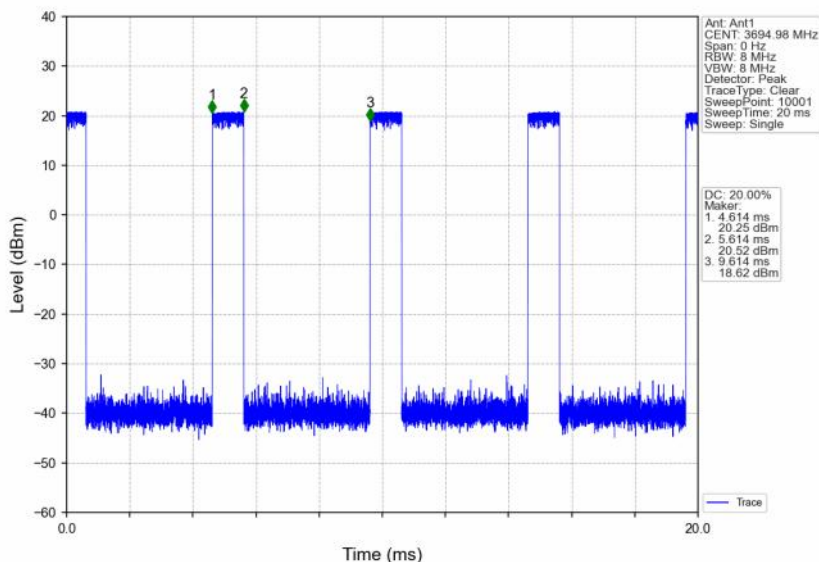
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3694.98MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3694.98MHz\_Inner\_Full

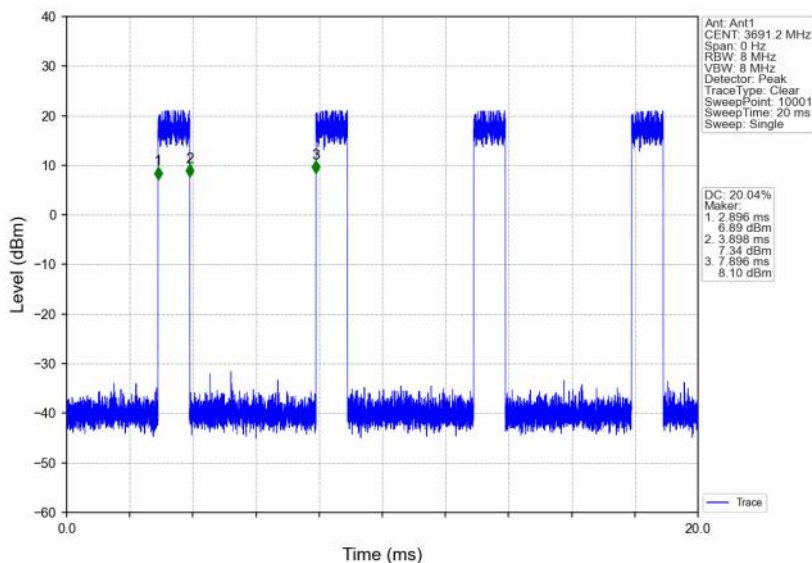


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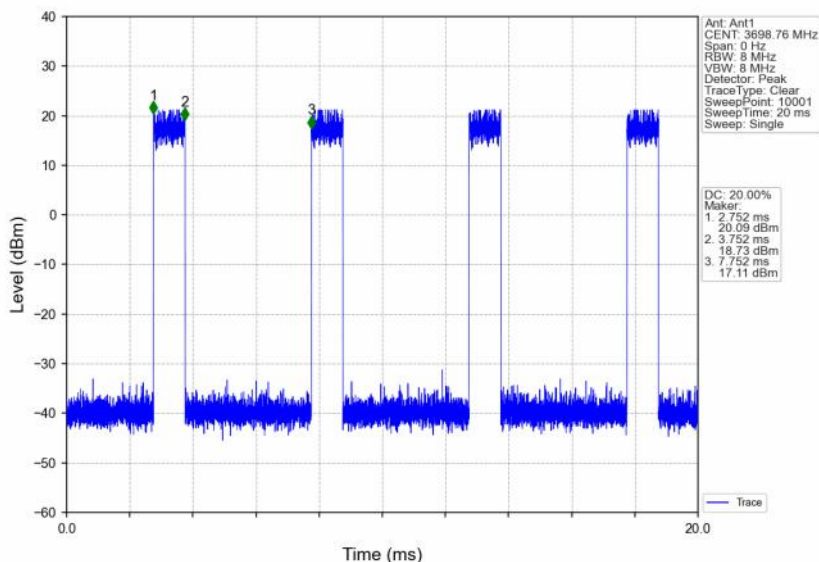
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_3694.98MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_3694.98MHz\_Inner\_1RB\_Right

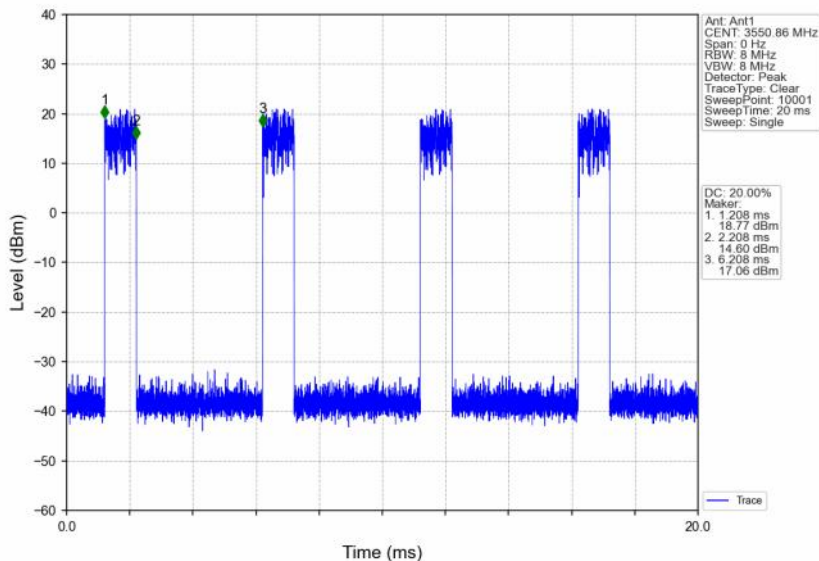


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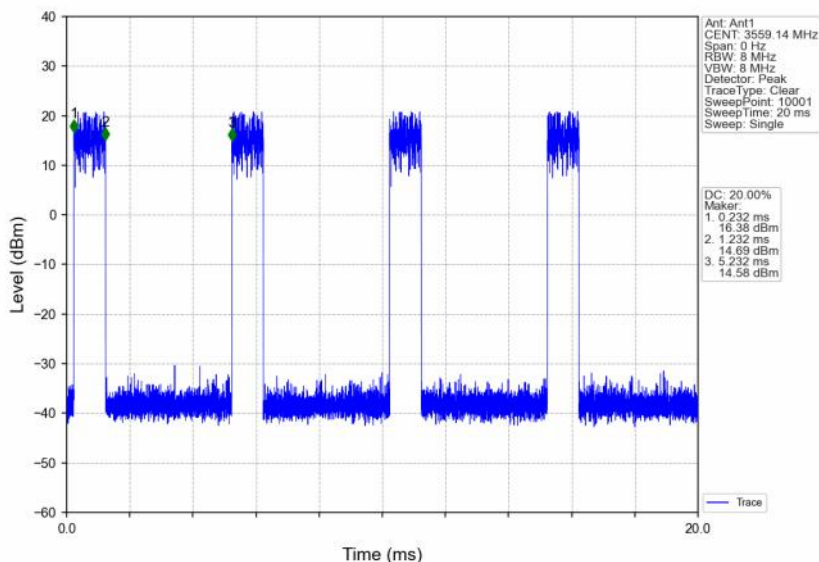
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_16 QAM\_3555MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_16 QAM\_3555MHz\_Edge\_1RB\_Right

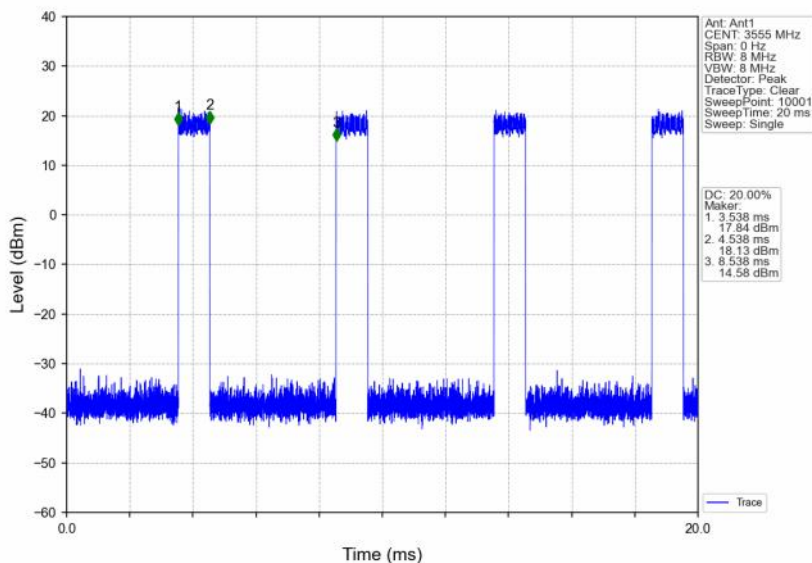


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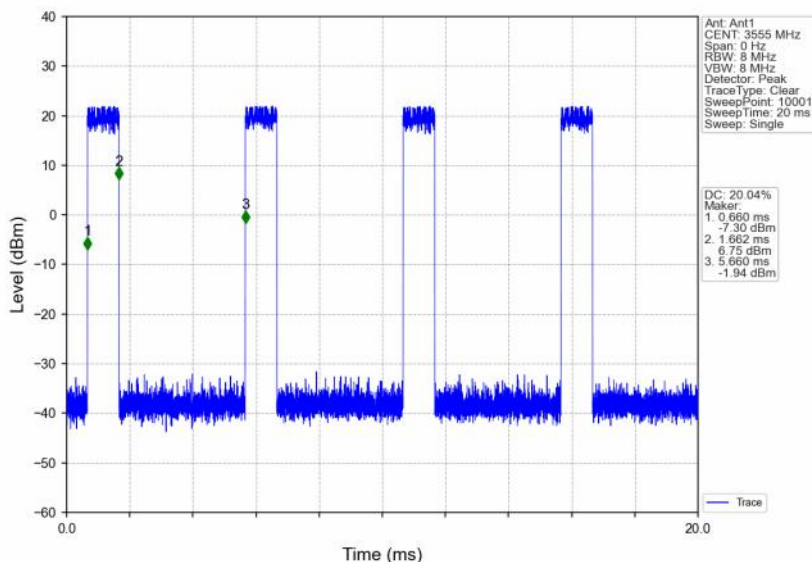
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_16QAM\_3555MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_16QAM\_3555MHz\_Inner\_Full



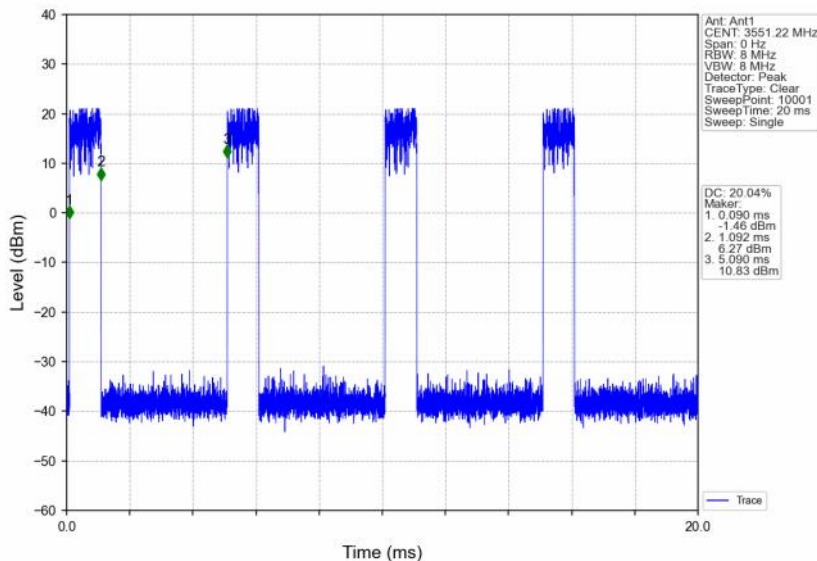
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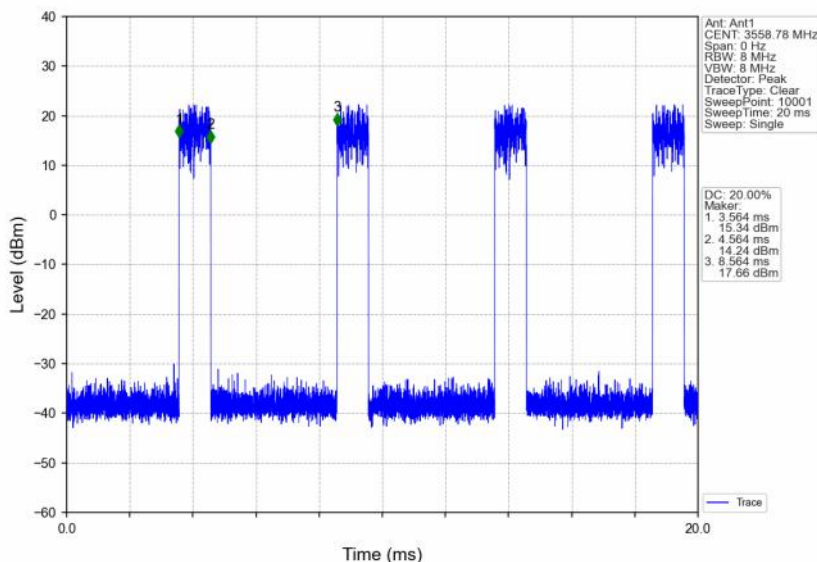
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_16 QAM\_3555MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_16 QAM\_3555MHz\_Inner\_1RB\_Right

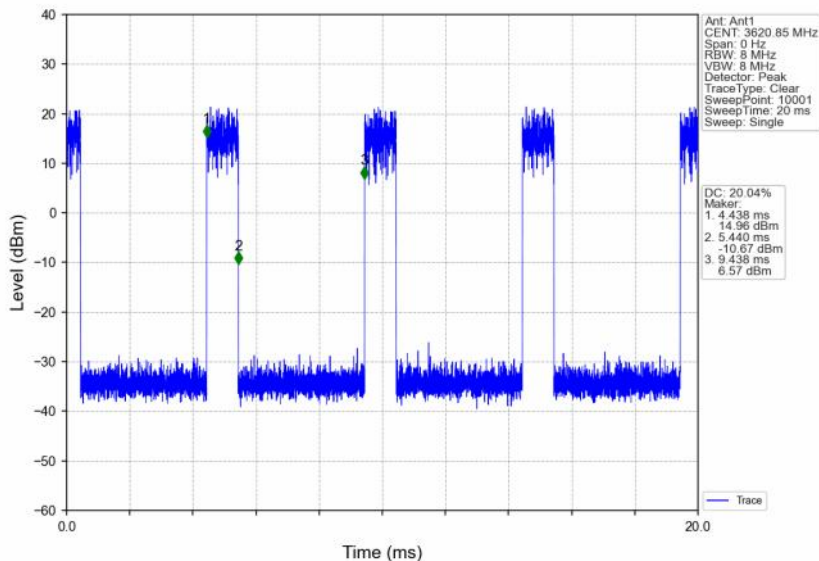


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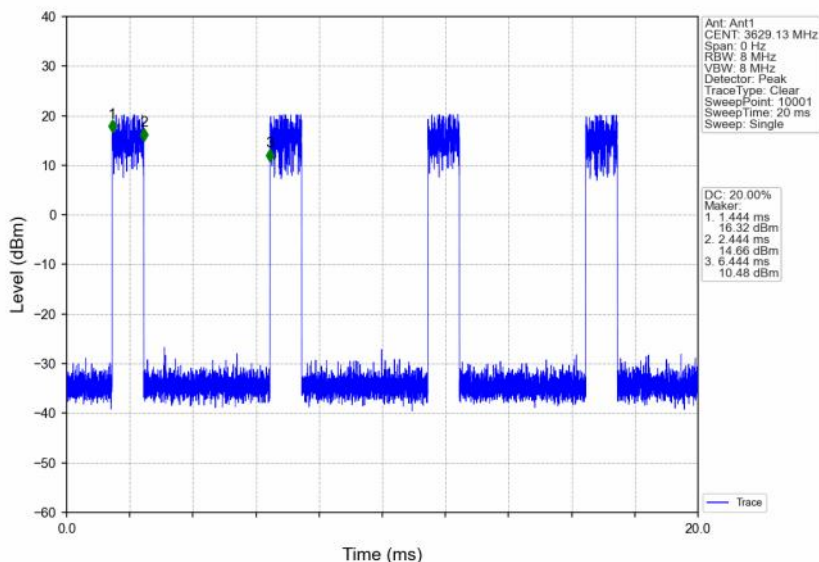
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 16 QAM\_3624.99MHz\_Edge\_1RB\_Left



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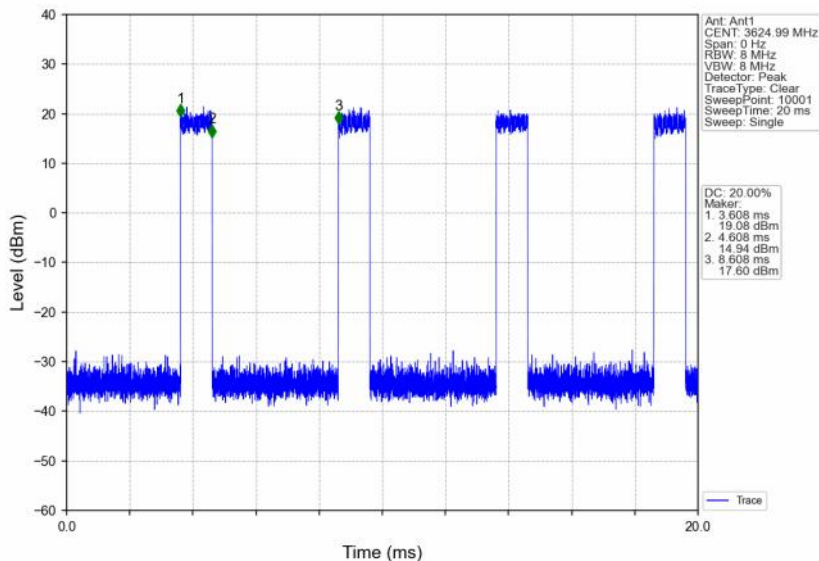


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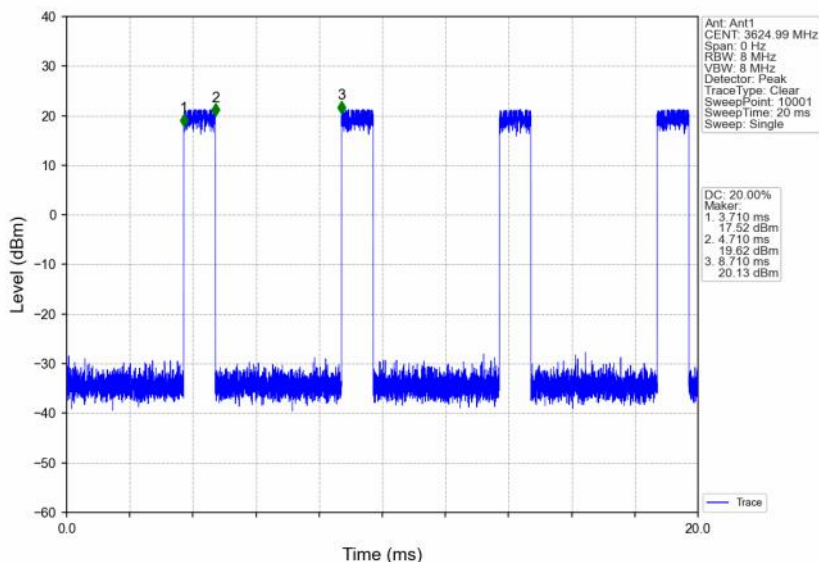
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_16\_QAM\_3624.99MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_16\_QAM\_3624.99MHz\_Inner\_Full

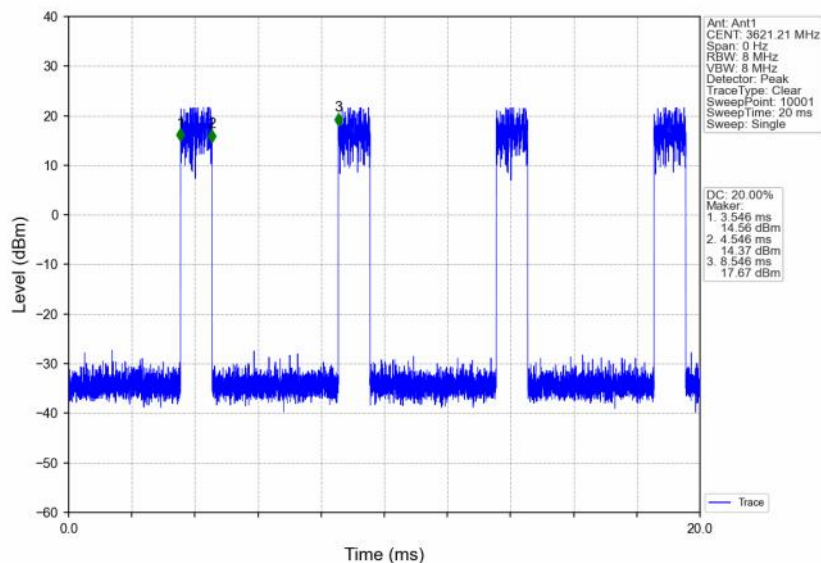


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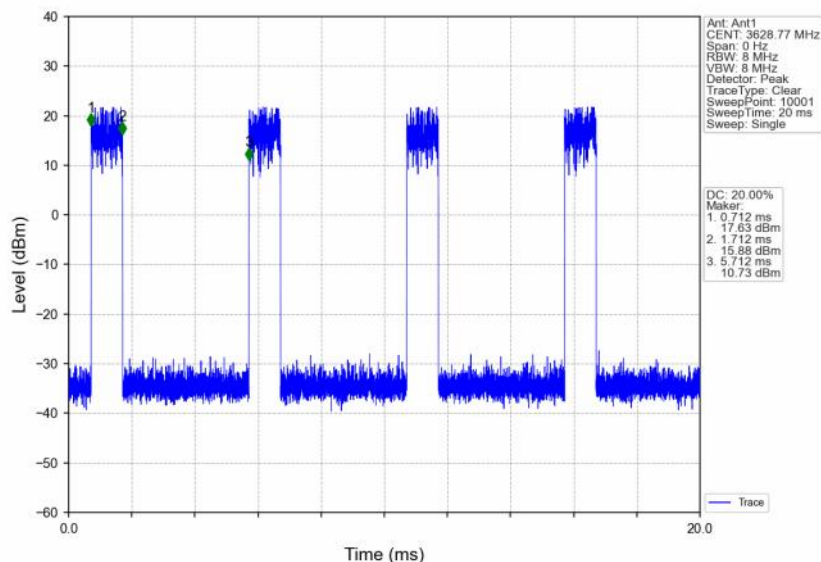
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 16 QAM\_3624.99MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 16 QAM\_3624.99MHz\_Inner\_1RB\_Right

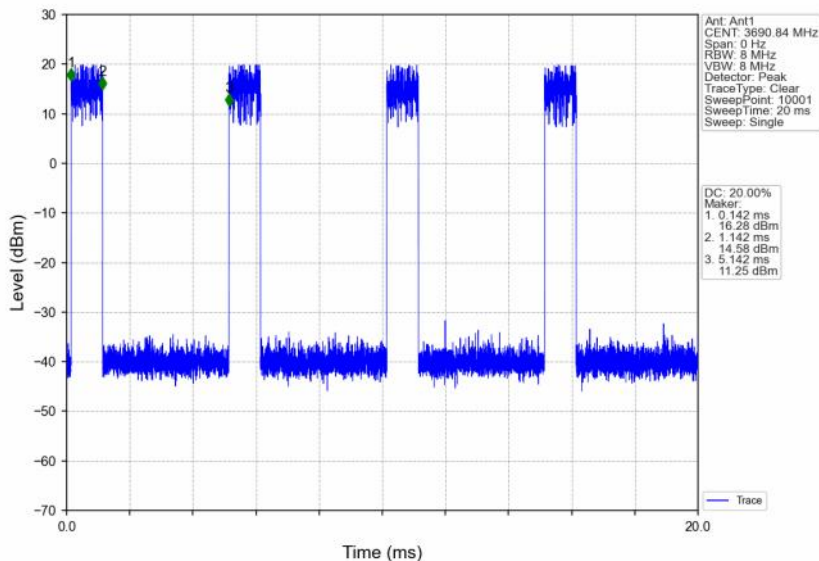


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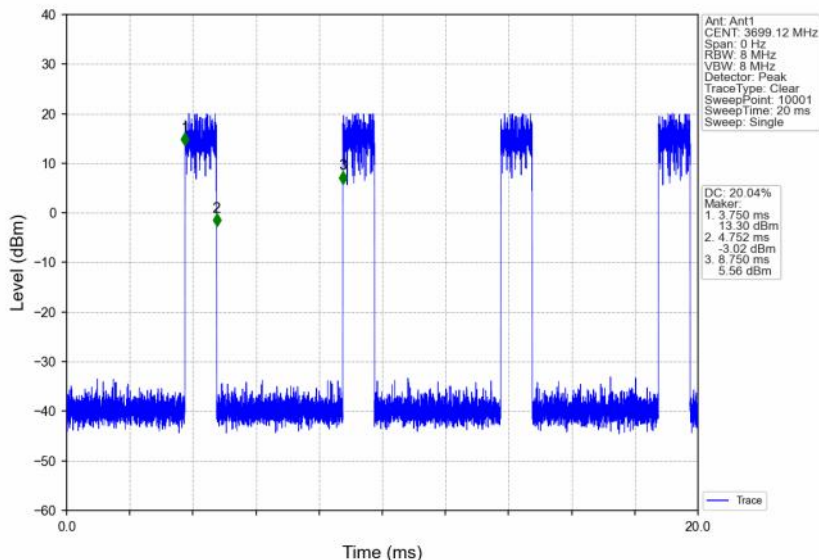
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 16 QAM\_3694.98MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 16 QAM\_3694.98MHz\_Edge\_1RB\_Right

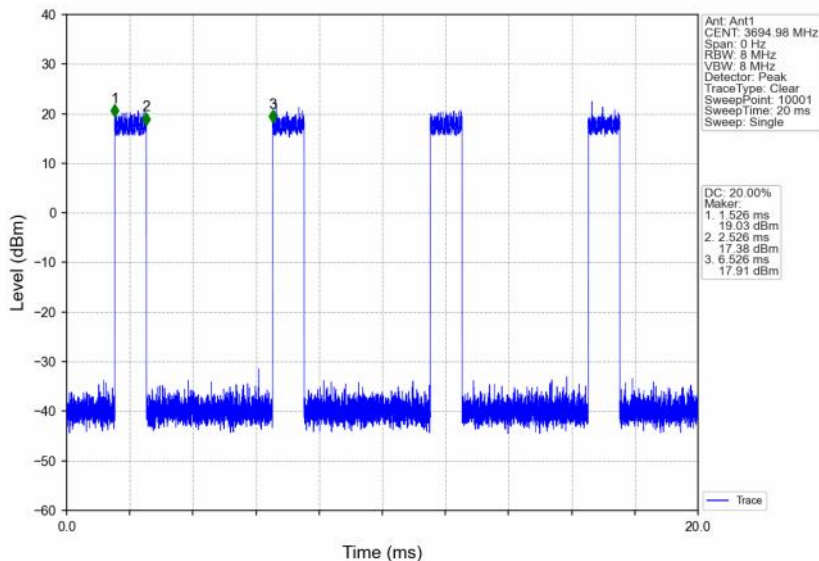


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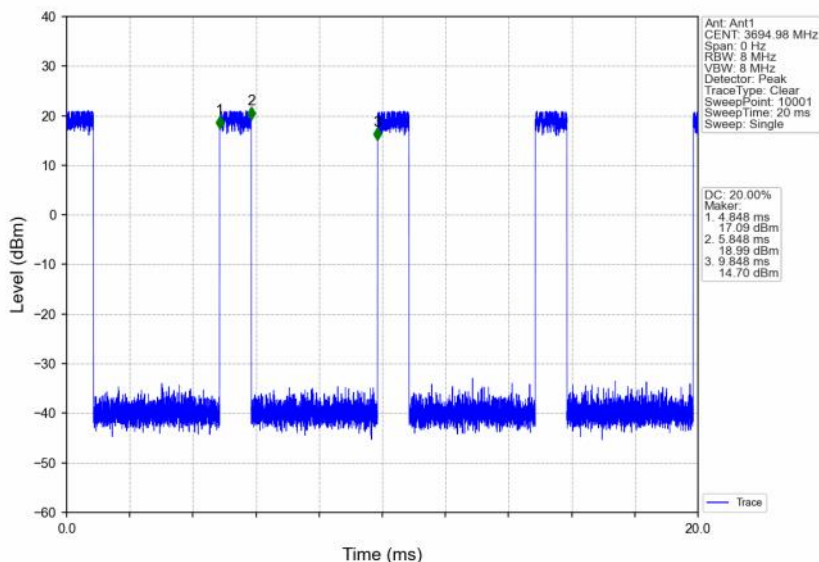
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_16\_QAM\_3694.98MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_16\_QAM\_3694.98MHz\_Inner\_Full

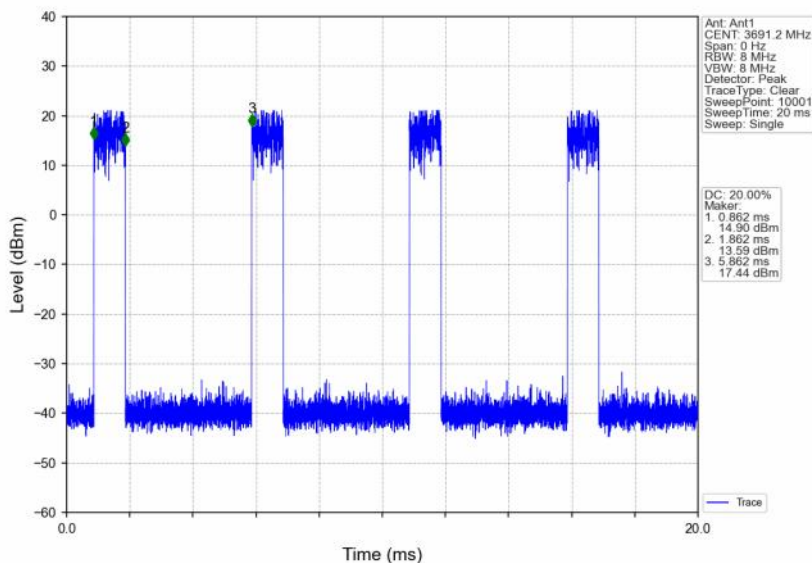


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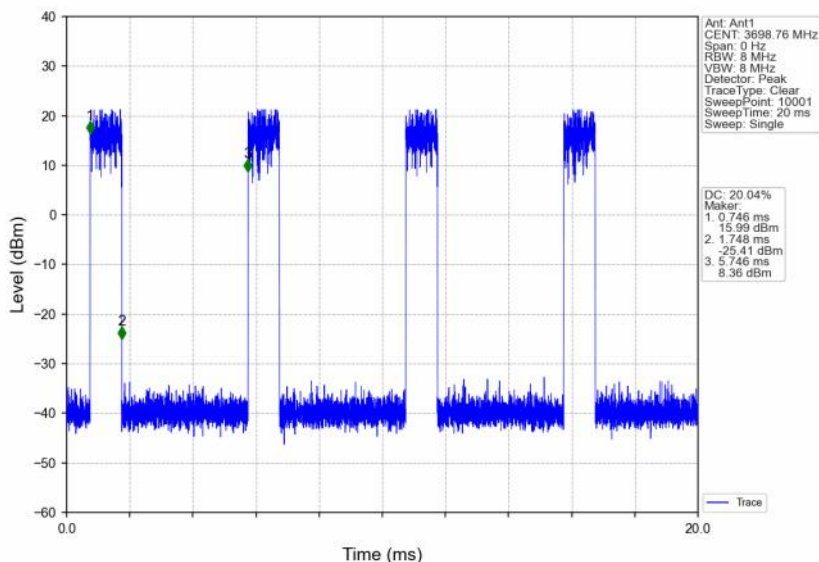
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 16 QAM\_3694.98MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 16 QAM\_3694.98MHz\_Inner\_1RB\_Right

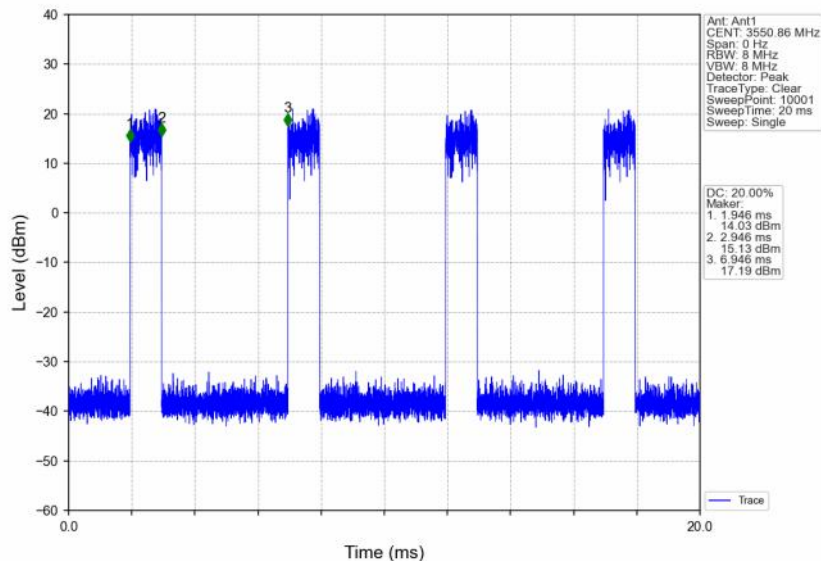


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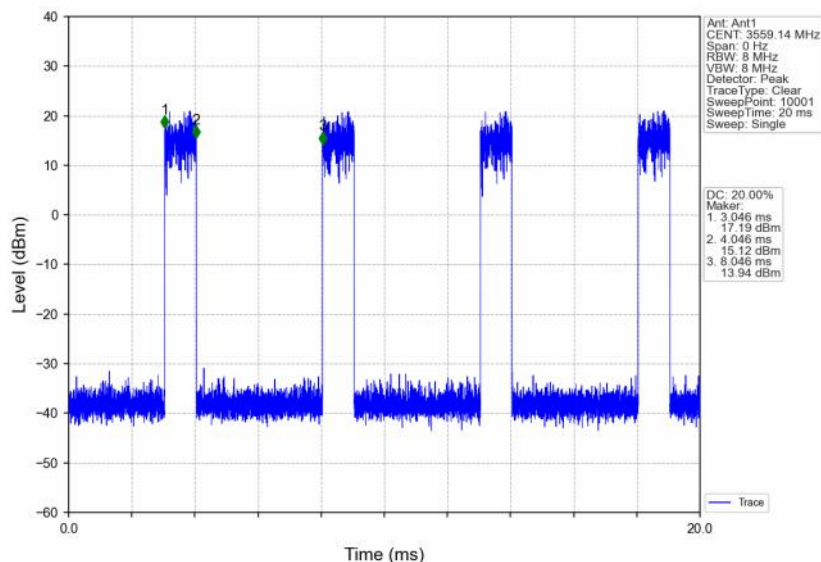
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 64 QAM\_3555MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 64 QAM\_3555MHz\_Edge\_1RB\_Right



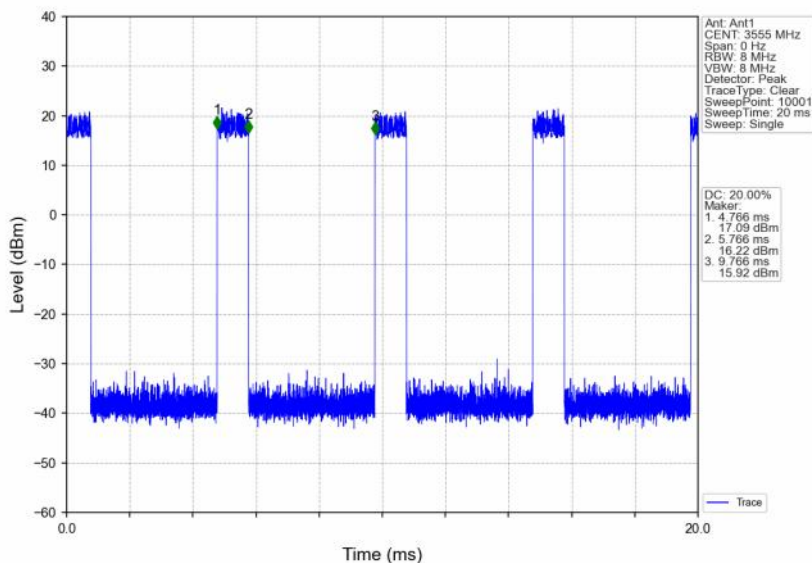
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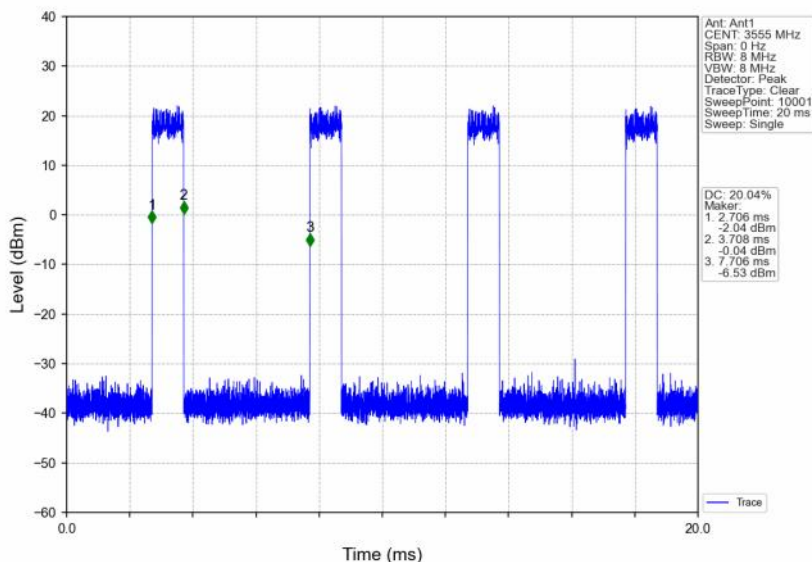
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 64 QAM\_3555MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 64 QAM\_3555MHz\_Inner\_Full

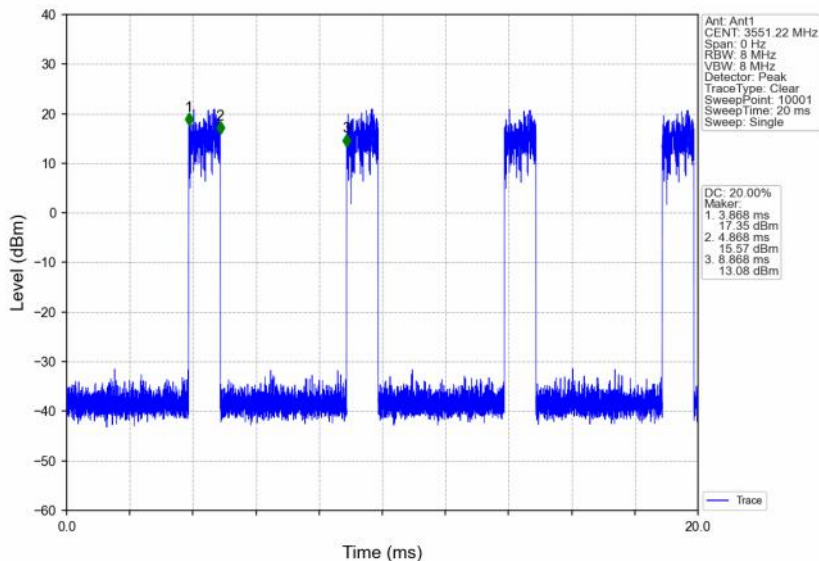


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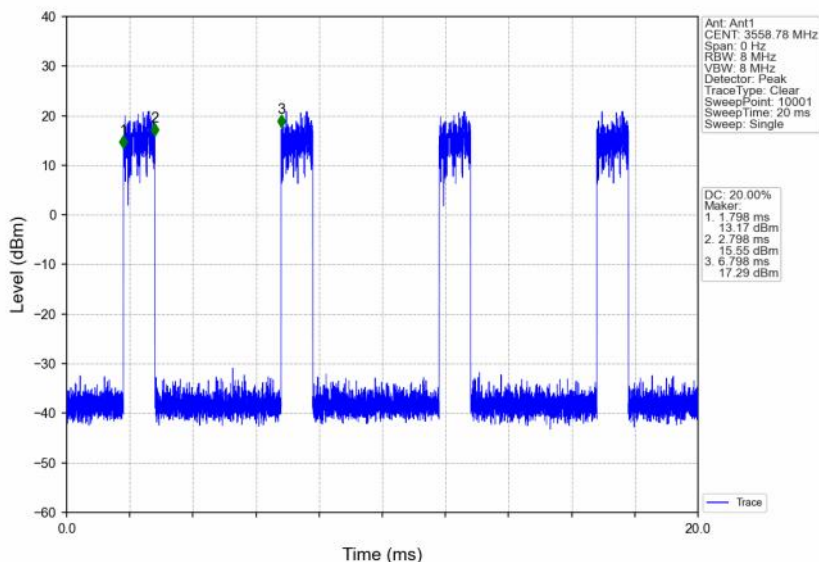
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 64 QAM\_3555MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 64 QAM\_3555MHz\_Inner\_1RB\_Right

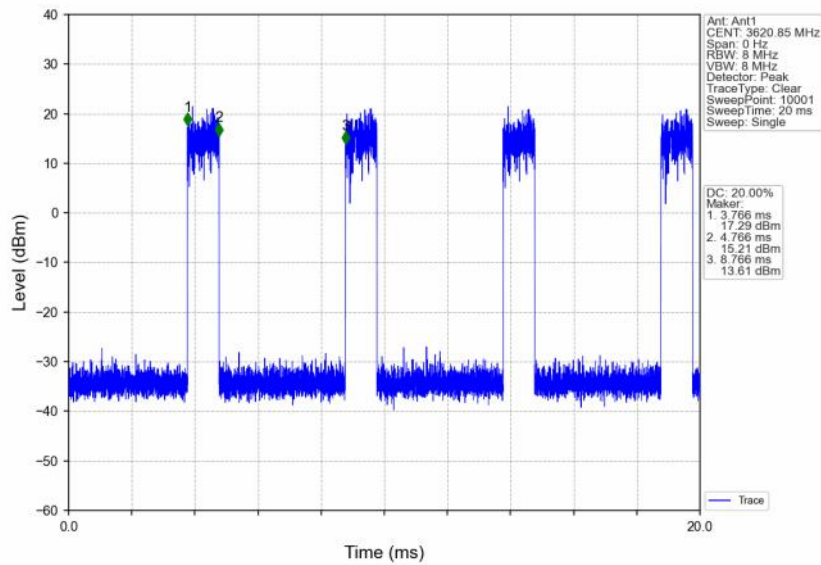


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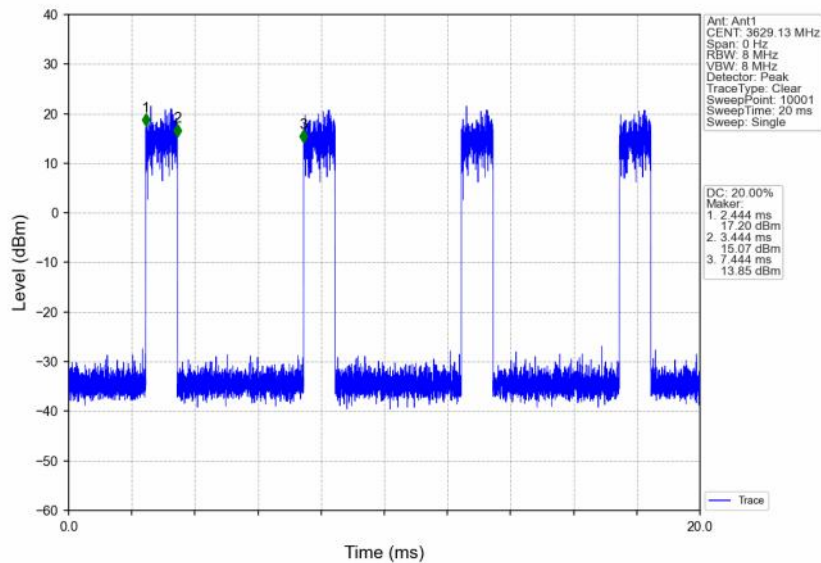
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 64 QAM\_3624.99MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 64 QAM\_3624.99MHz\_Edge\_1RB\_Right

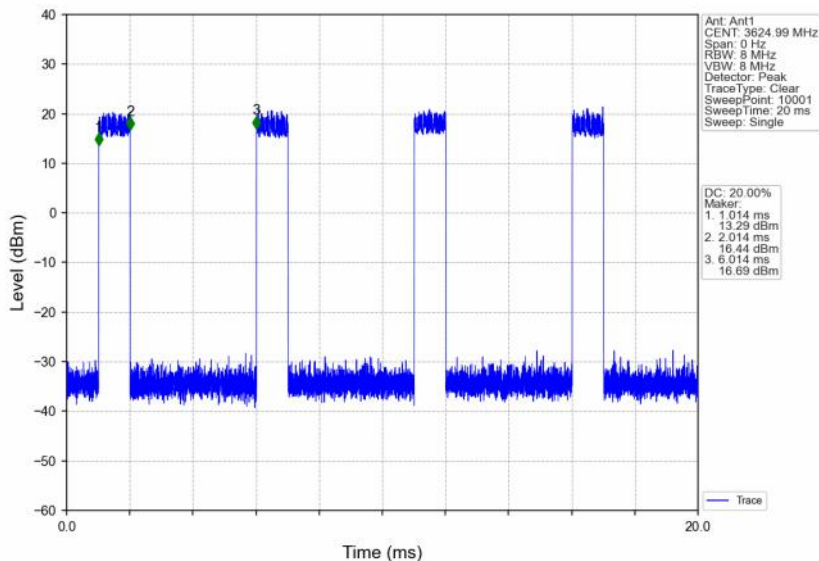


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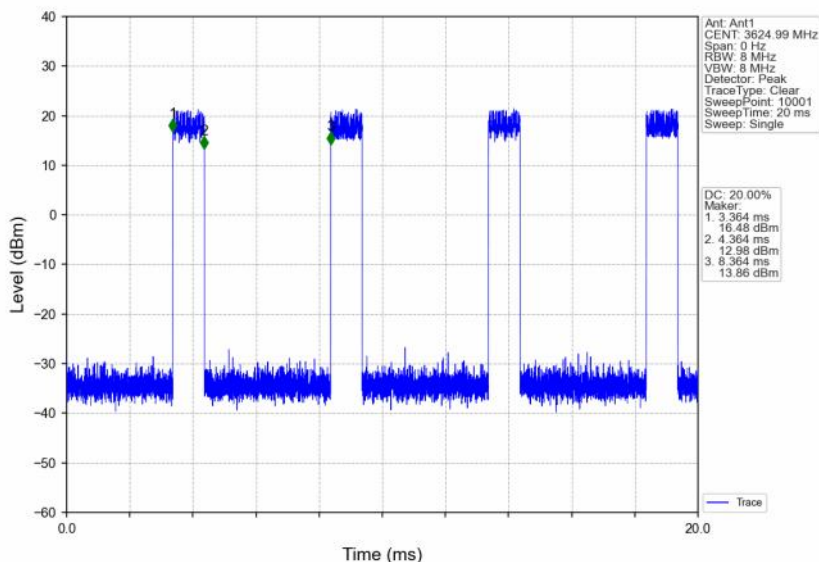
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 64 QAM\_3624.99MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 64 QAM\_3624.99MHz\_Inner\_Full

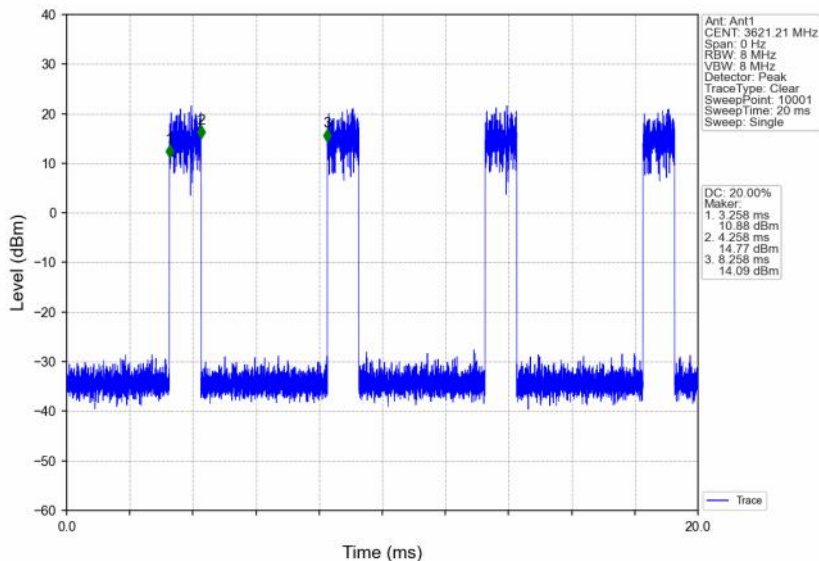


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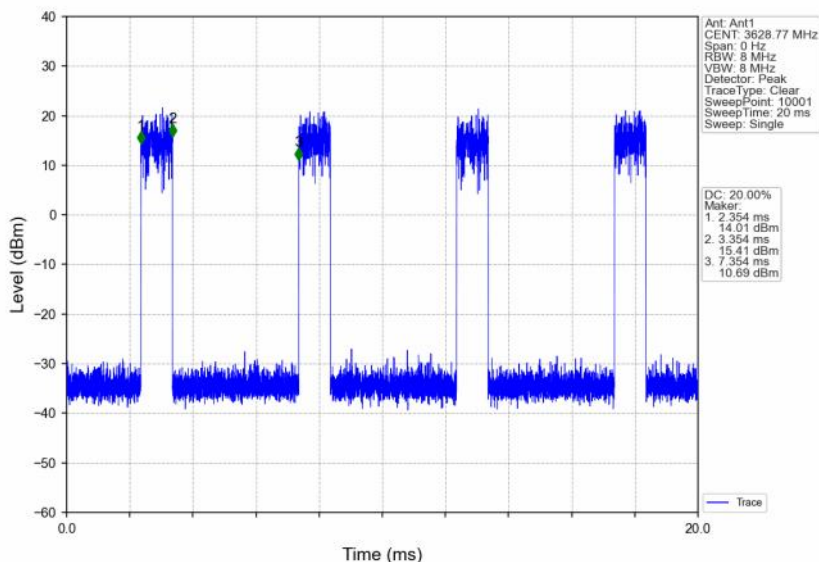
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 64 QAM\_3624.99MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 64 QAM\_3624.99MHz\_Inner\_1RB\_Right

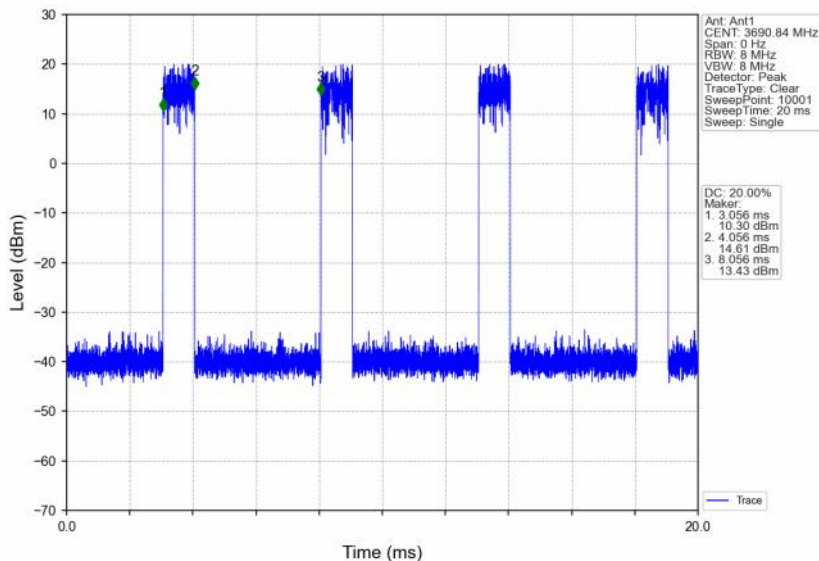


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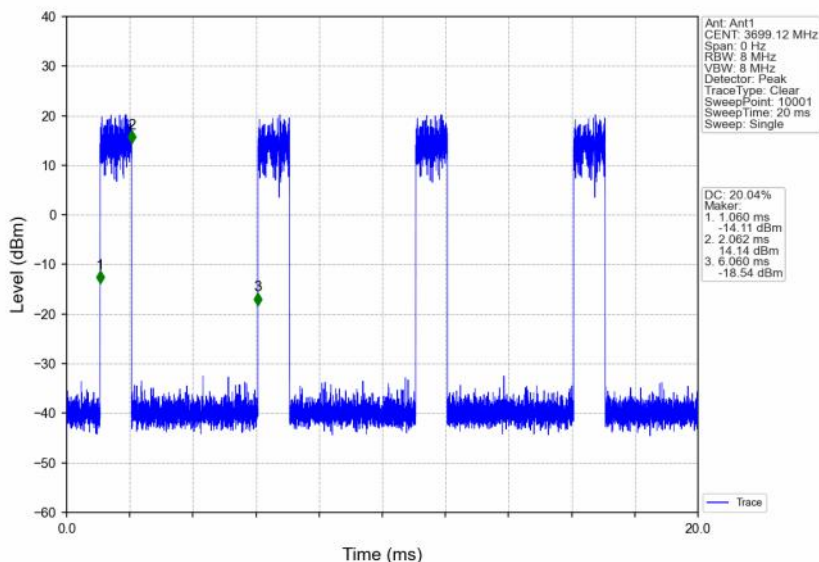
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 64 QAM\_3694.98MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 64 QAM\_3694.98MHz\_Edge\_1RB\_Right

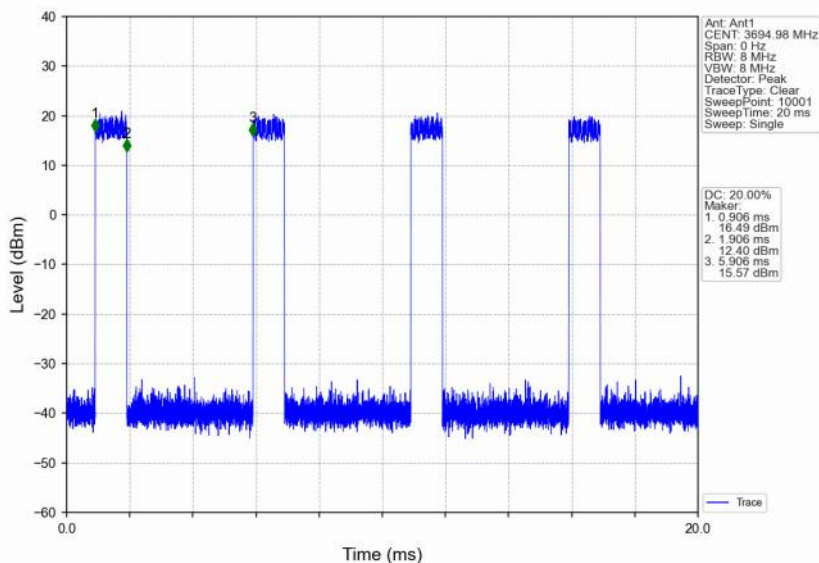


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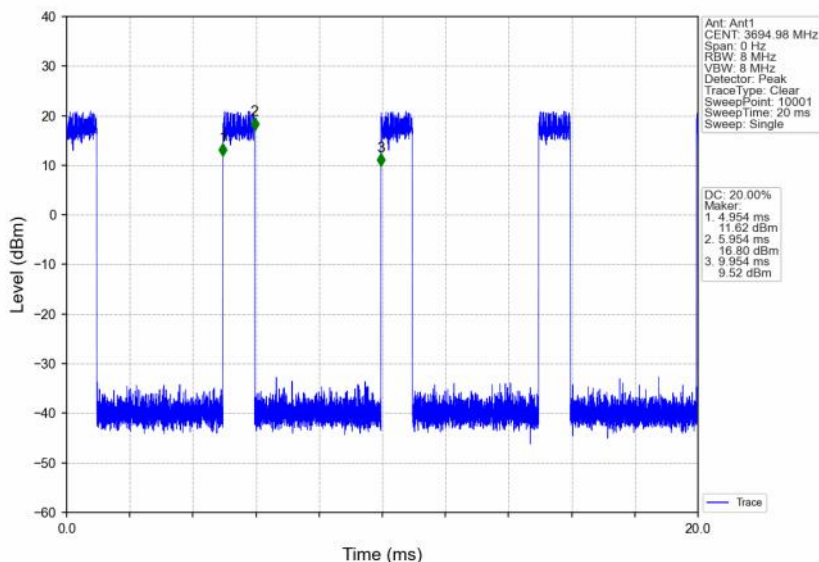
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 64 QAM\_3694.98MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 64 QAM\_3694.98MHz\_Inner\_Full

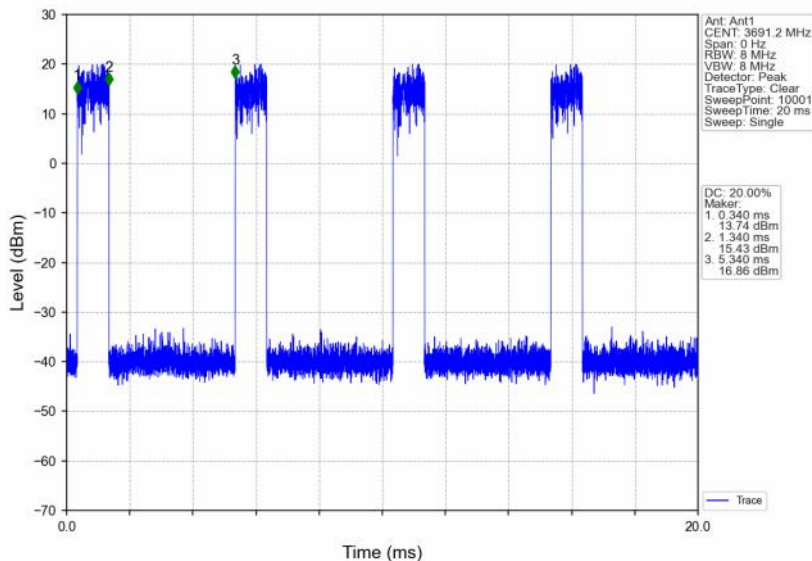


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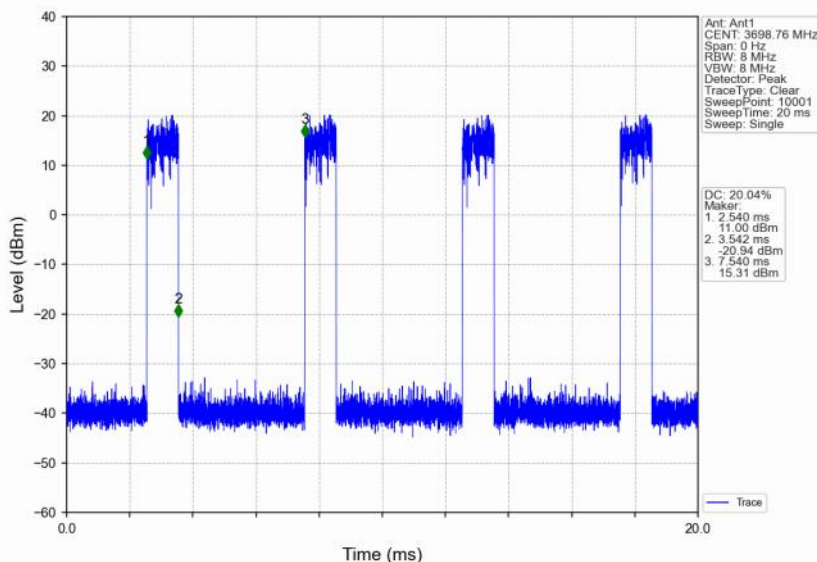
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 64 QAM\_3694.98MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 64 QAM\_3694.98MHz\_Inner\_1RB\_Right



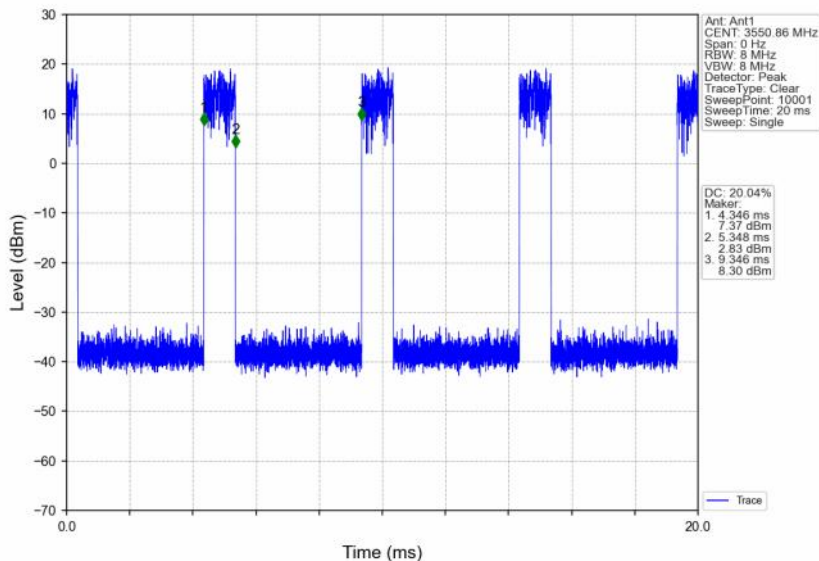
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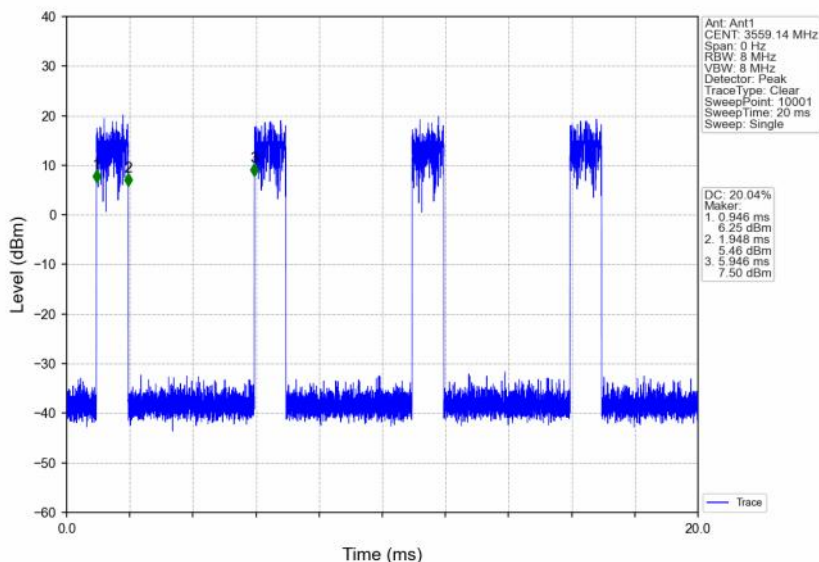
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 256 QAM\_3555MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 256 QAM\_3555MHz\_Edge\_1RB\_Right

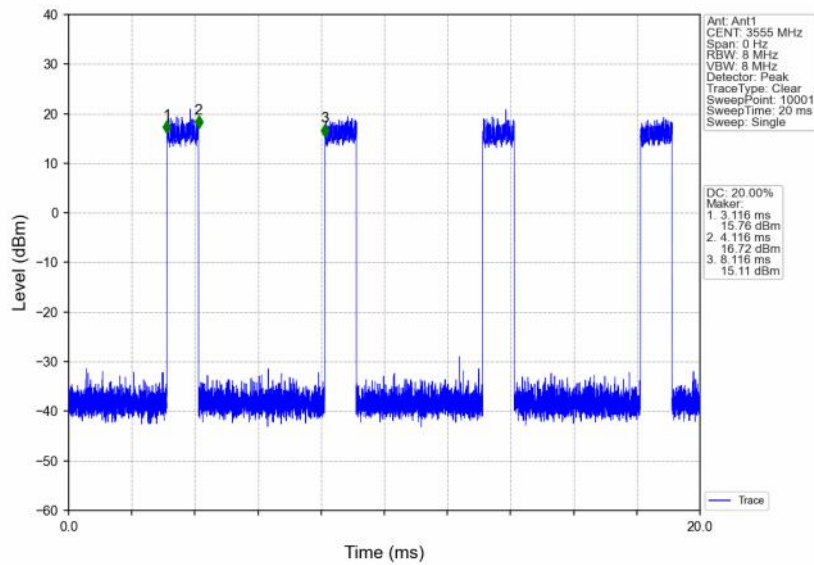


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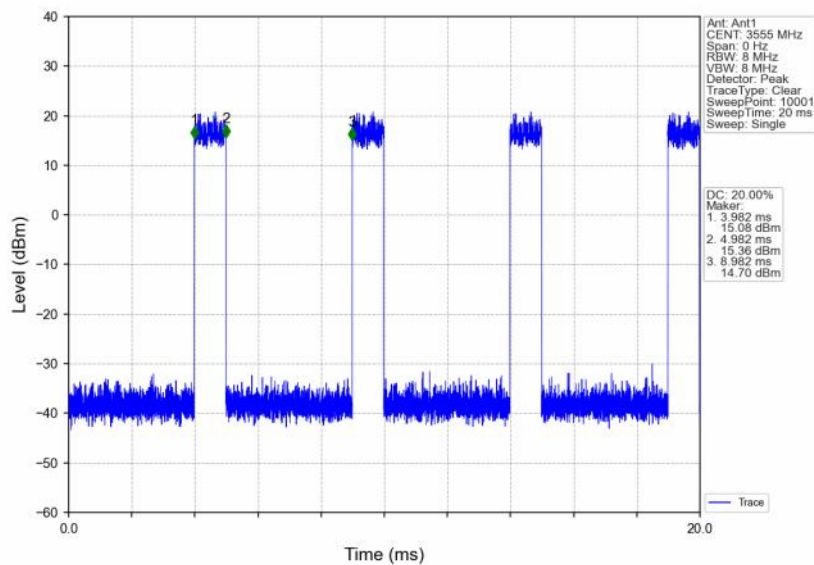
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 256 QAM\_3555MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 256 QAM\_3555MHz\_Inner\_Full

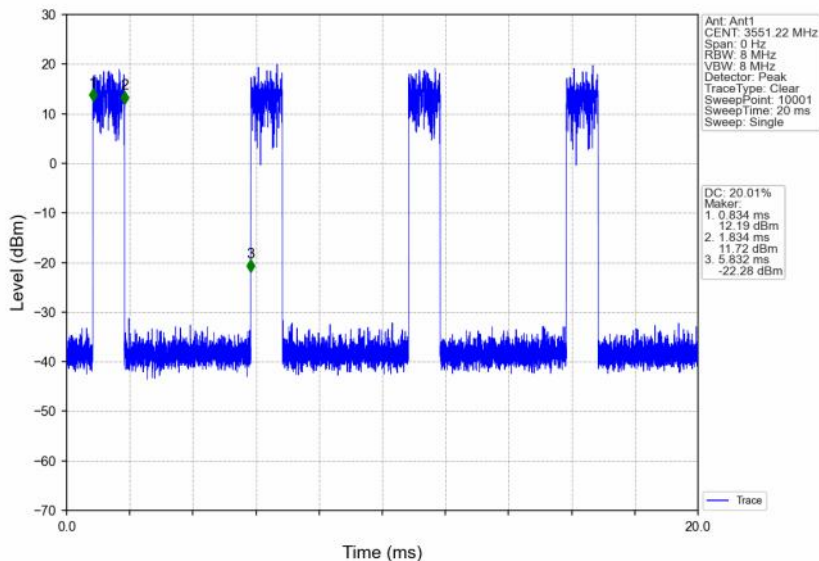


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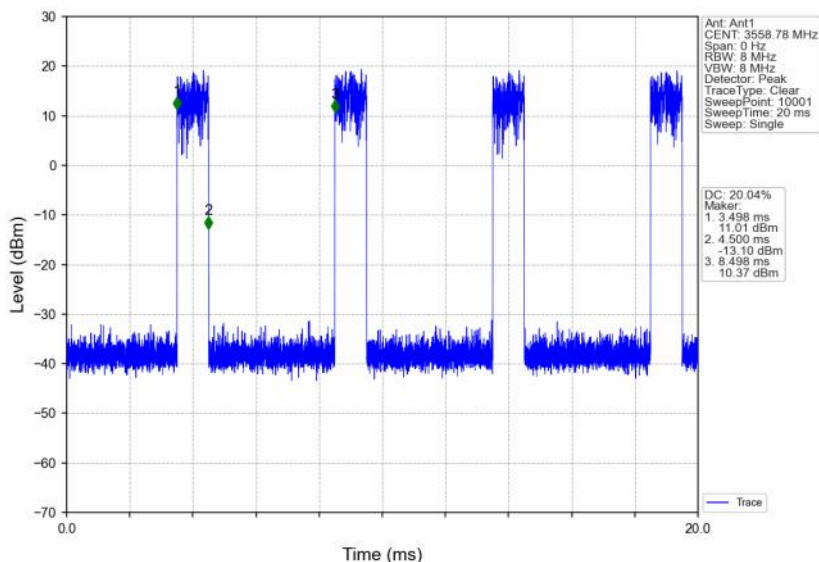
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_256\_QAM\_3555MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_256\_QAM\_3555MHz\_Inner\_1RB\_Right

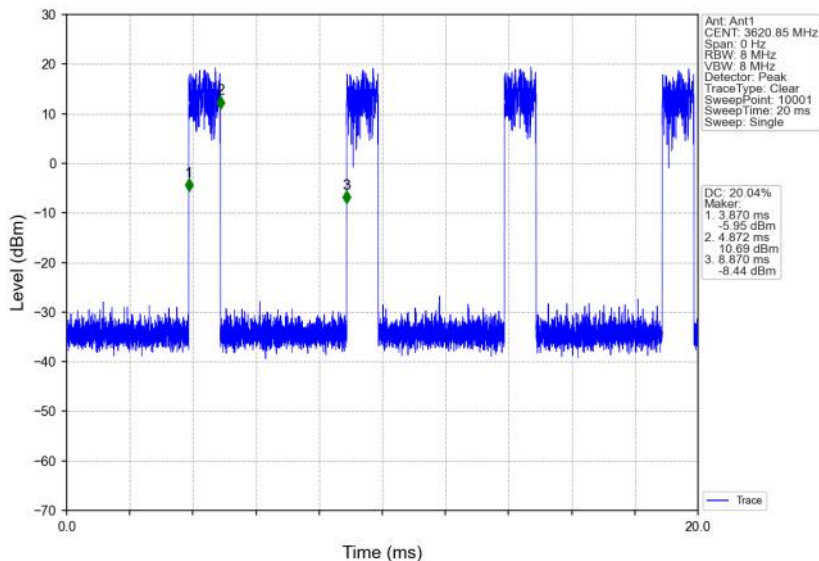


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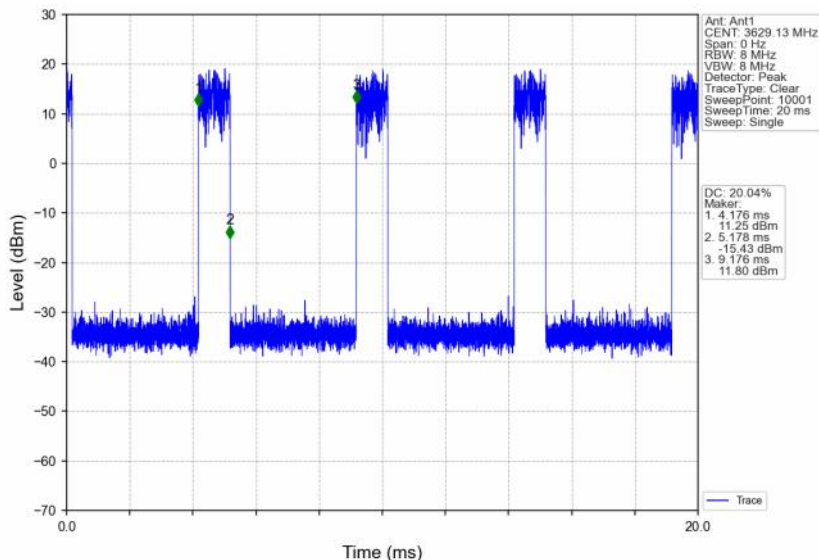
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 256 QAM\_3624.99MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 256 QAM\_3624.99MHz\_Edge\_1RB\_Right

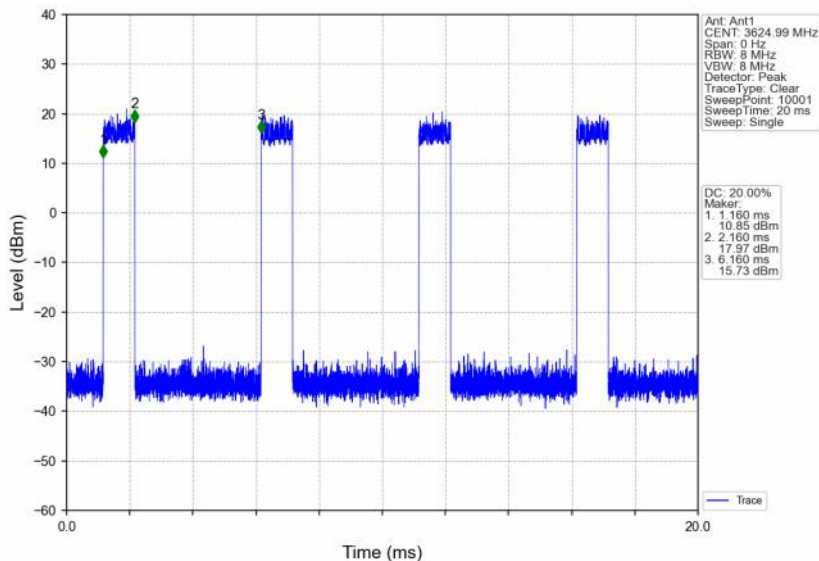


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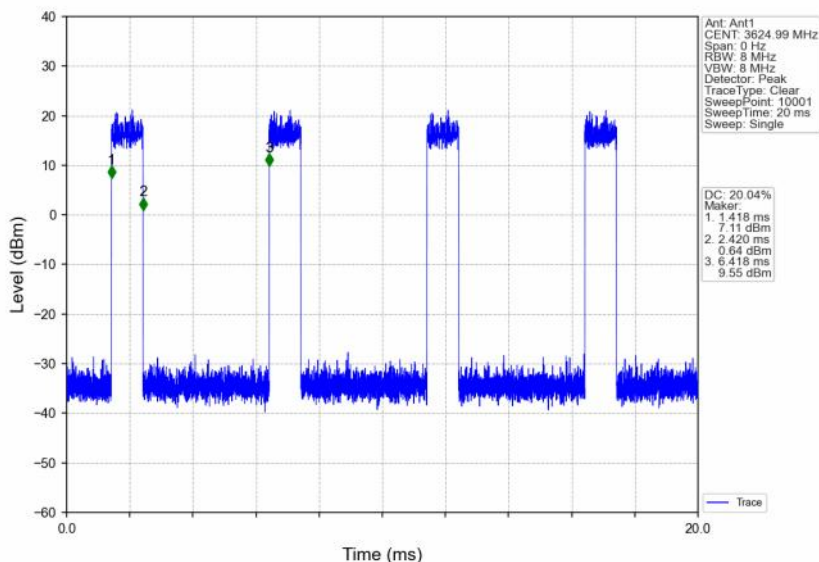
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 256 QAM\_3624.99MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 256 QAM\_3624.99MHz\_Inner\_Full

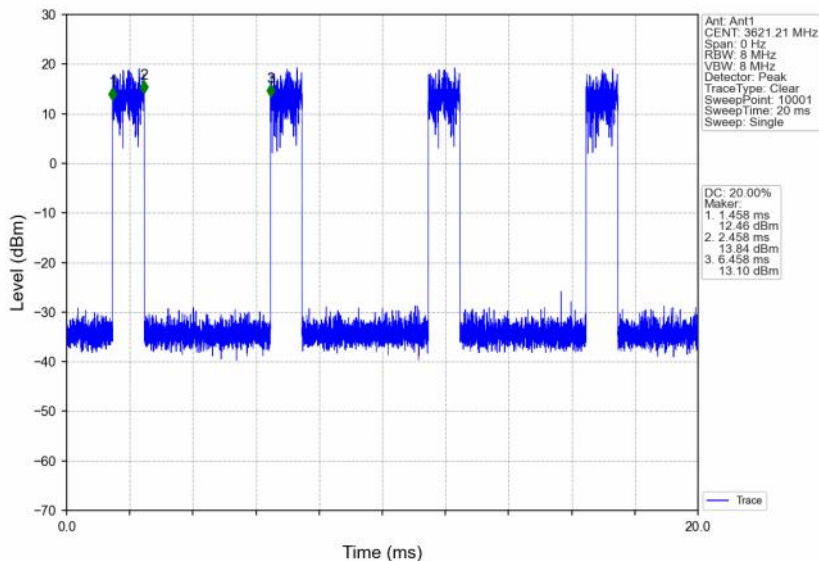


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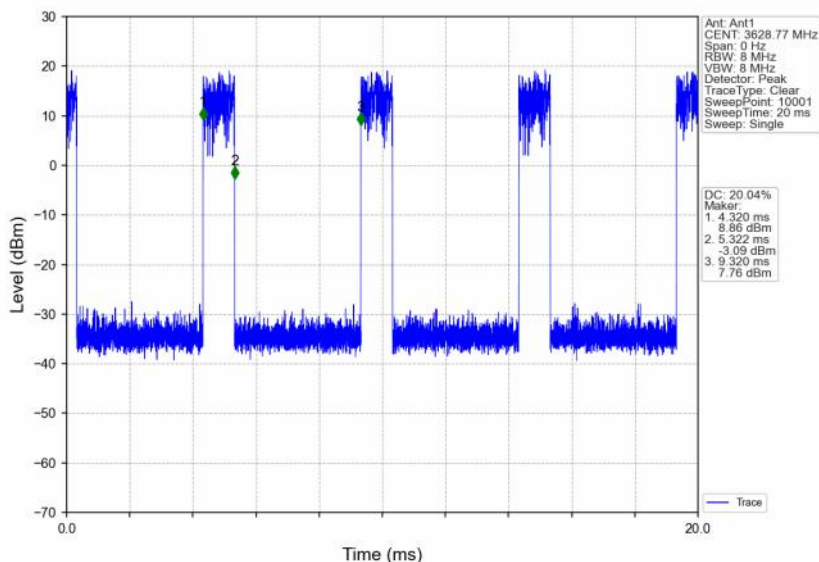
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 256 QAM\_3624.99MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 256 QAM\_3624.99MHz\_Inner\_1RB\_Right

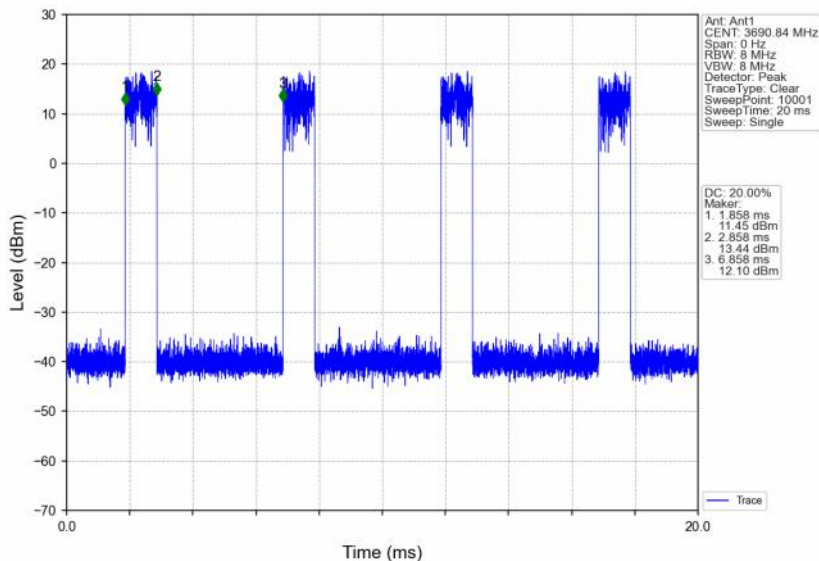


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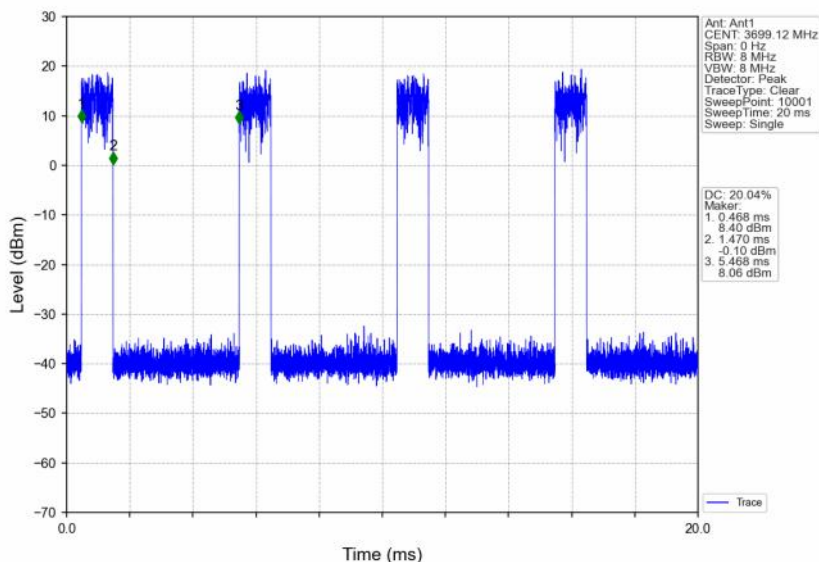
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 256 QAM\_3694.98MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 256 QAM\_3694.98MHz\_Edge\_1RB\_Right

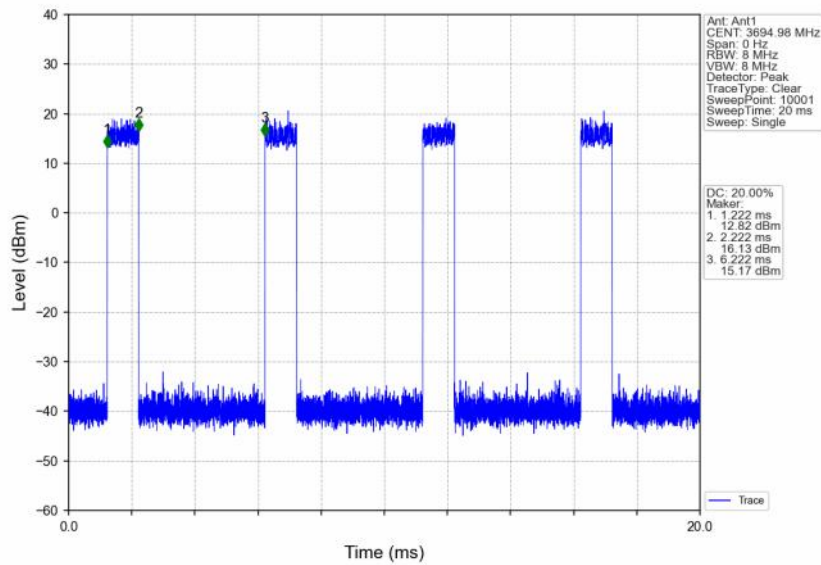


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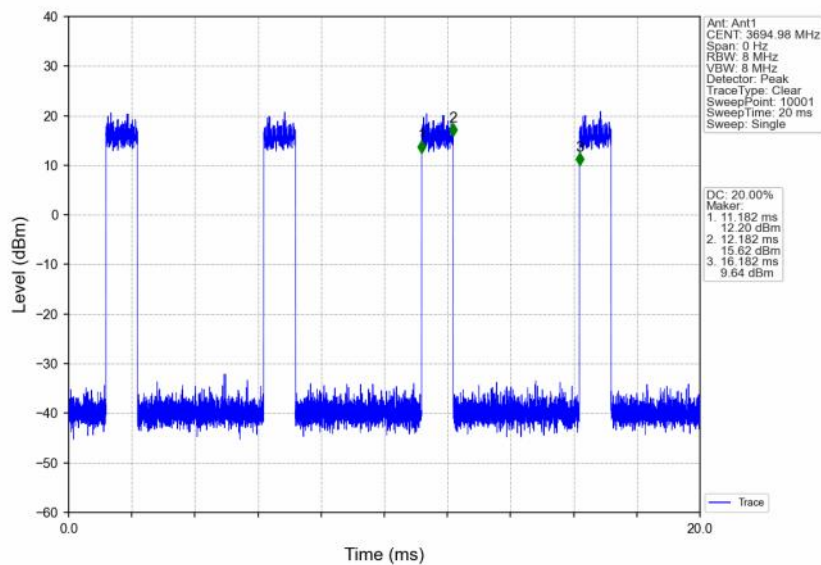
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 256 QAM\_3694.98MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 256 QAM\_3694.98MHz\_Inner\_Full



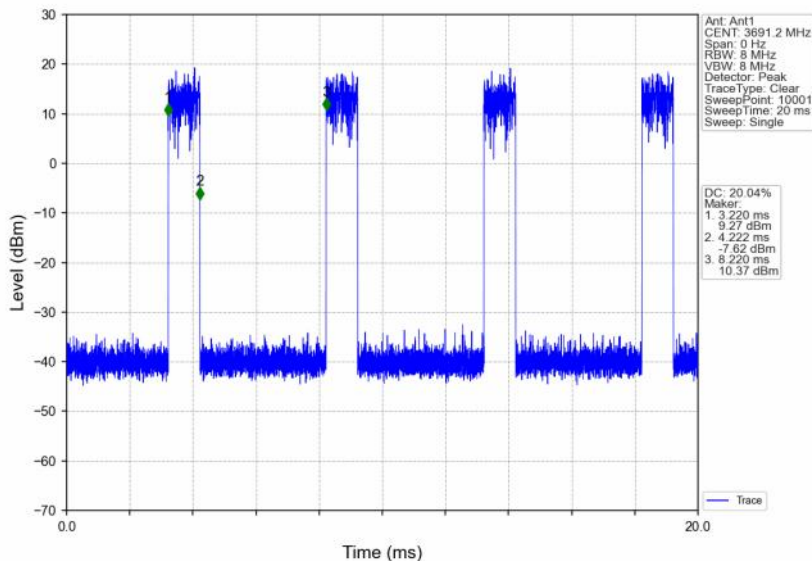
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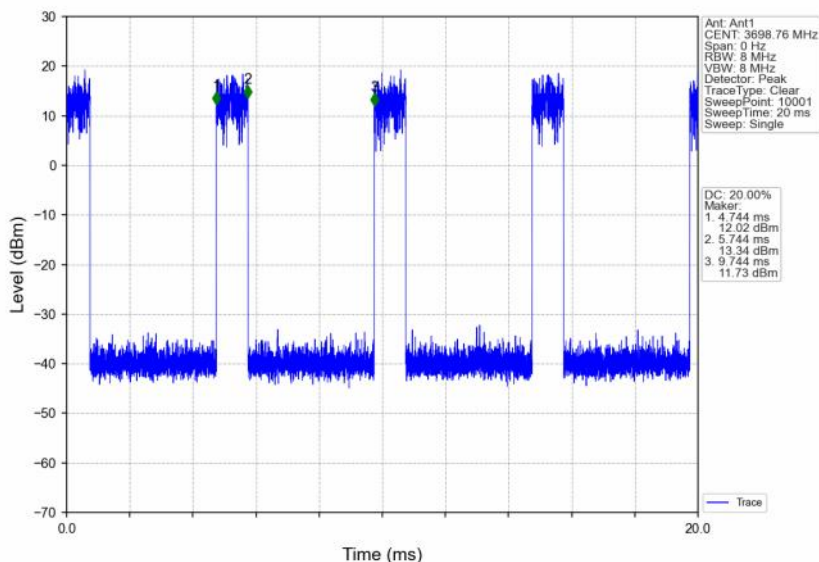
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 256 QAM\_3694.98MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 256 QAM\_3694.98MHz\_Inner\_1RB\_Right

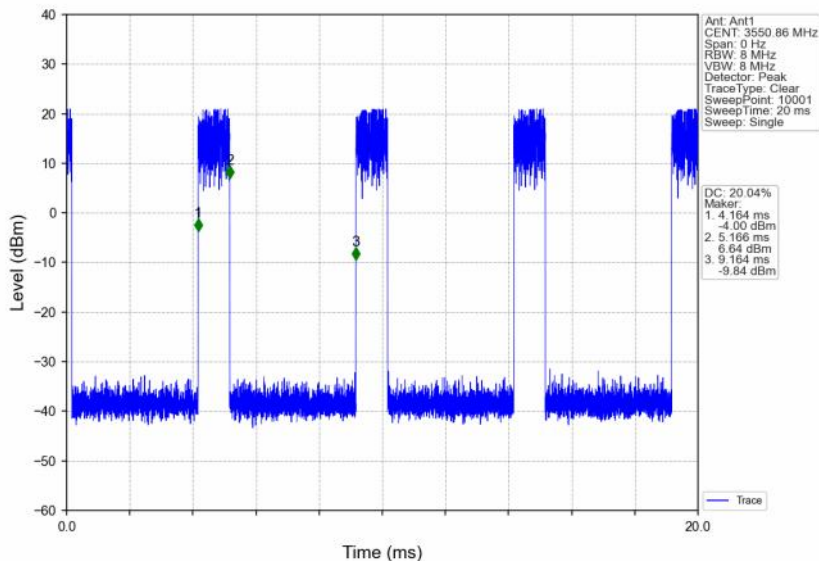


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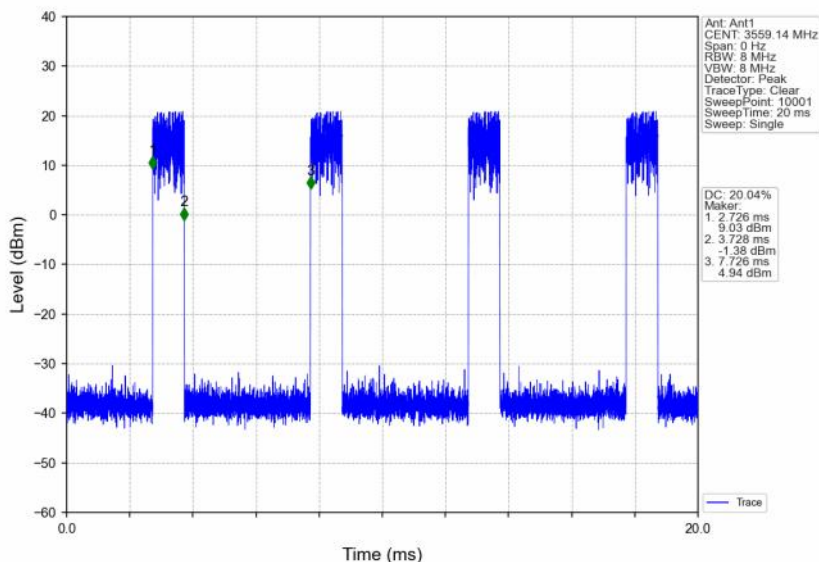
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_QPSK\_3555MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_QPSK\_3555MHz\_Edge\_1RB\_Right

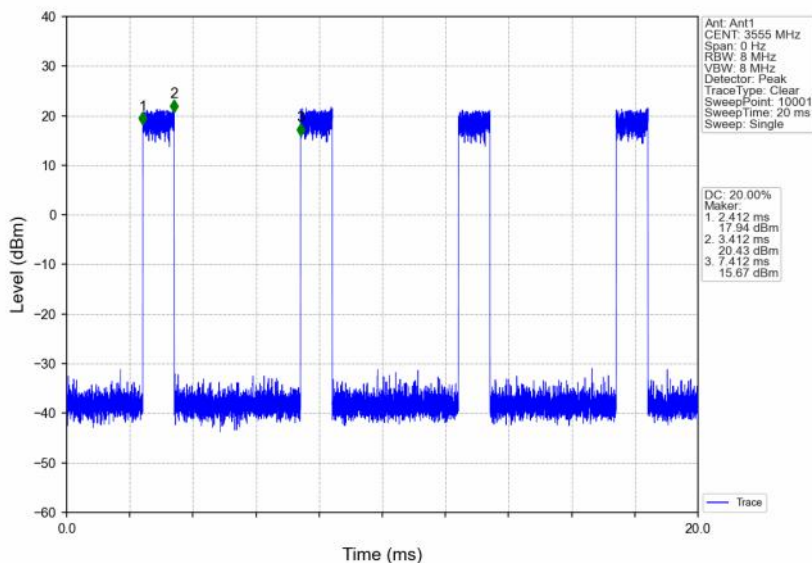


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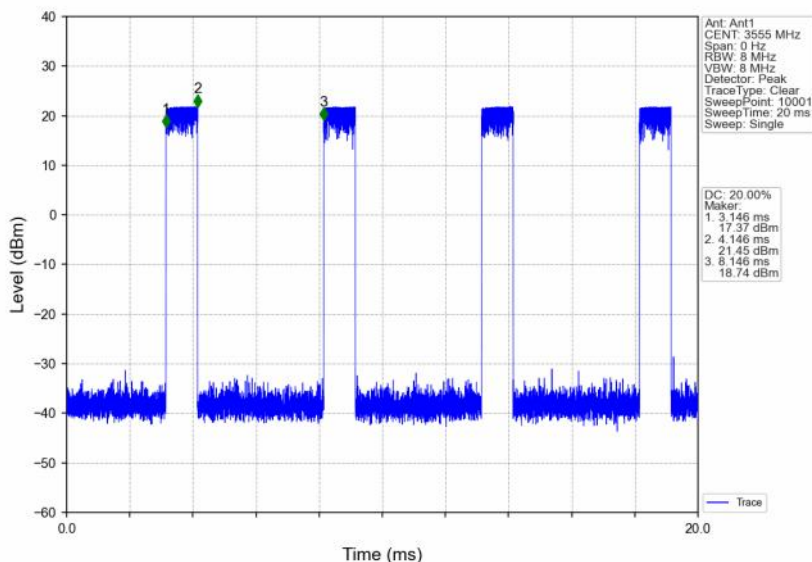
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3555MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3555MHz\_Inner\_Full

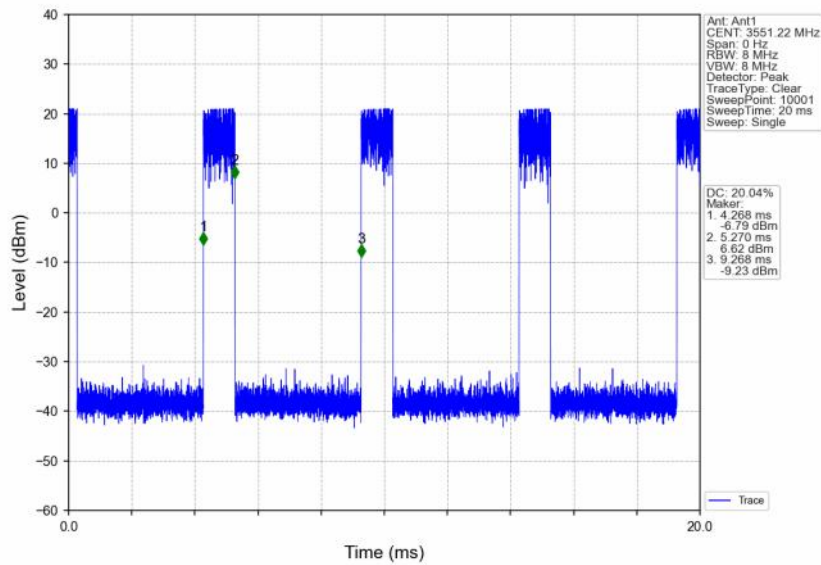


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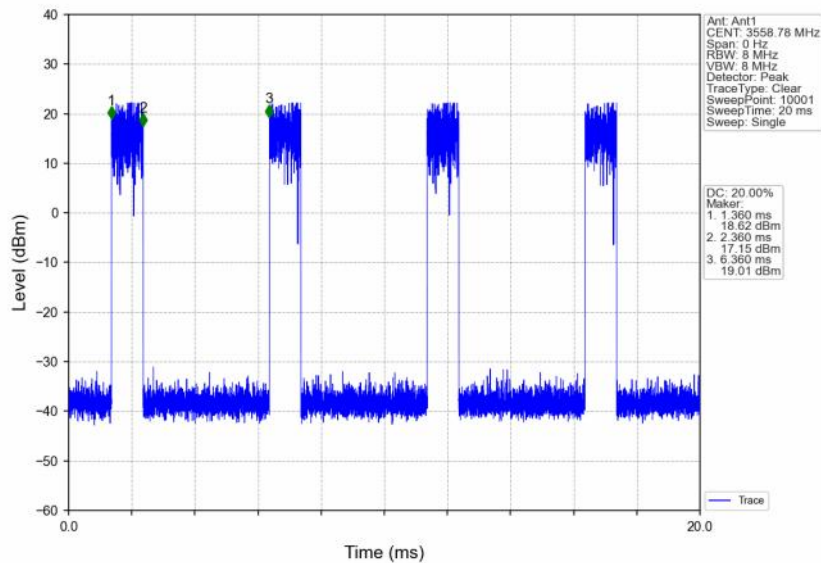
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3555MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3555MHz\_Inner\_1RB\_Right

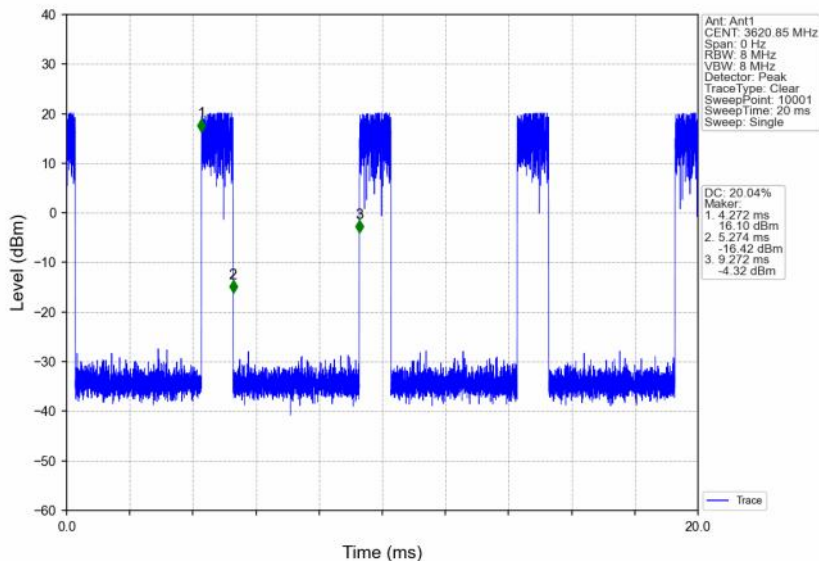


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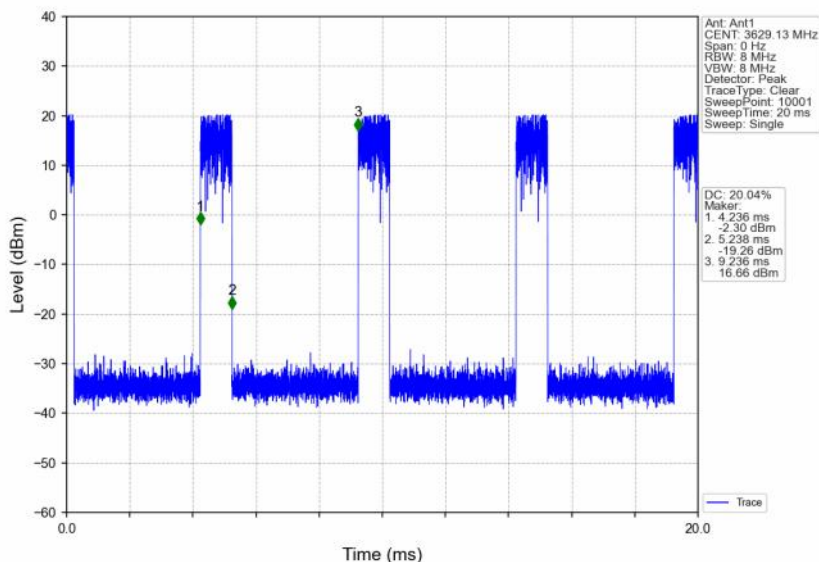
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3624.99MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3624.99MHz\_Edge\_1RB\_Right

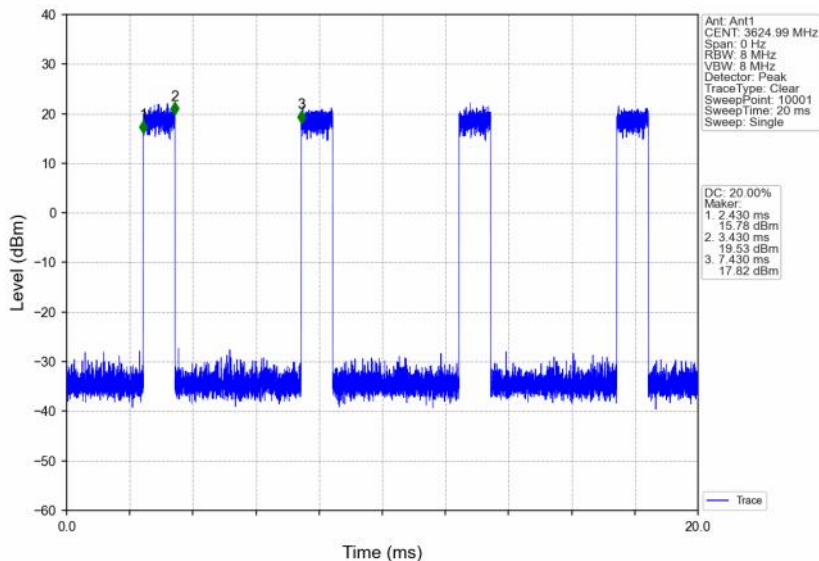


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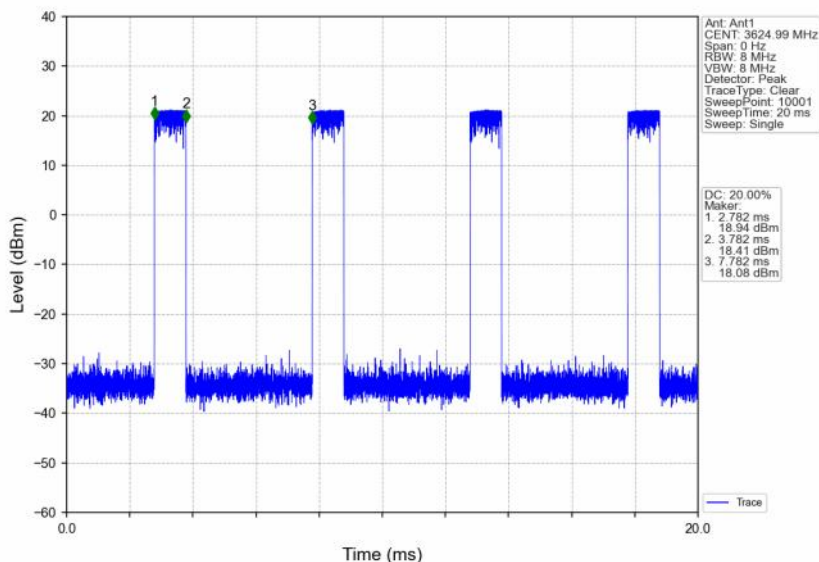
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3624.99MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3624.99MHz\_Inner\_Full

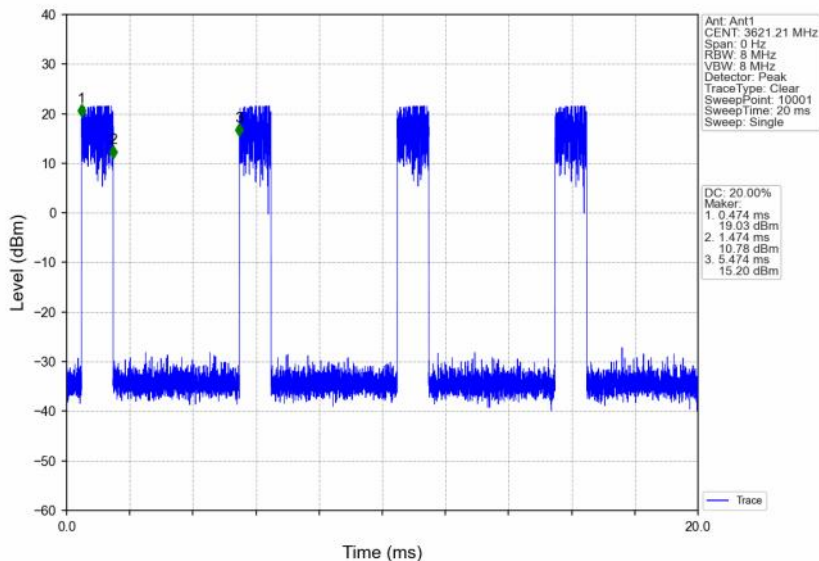


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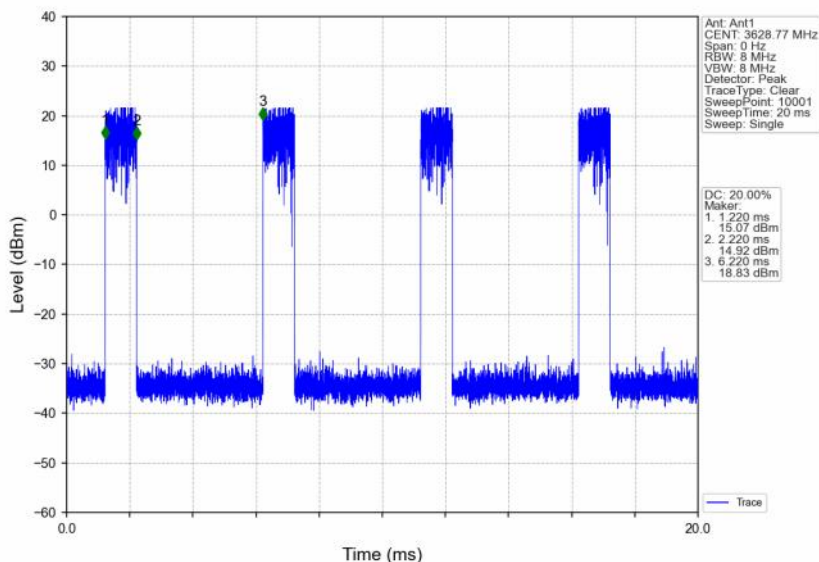
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3624.99MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3624.99MHz\_Inner\_1RB\_Right

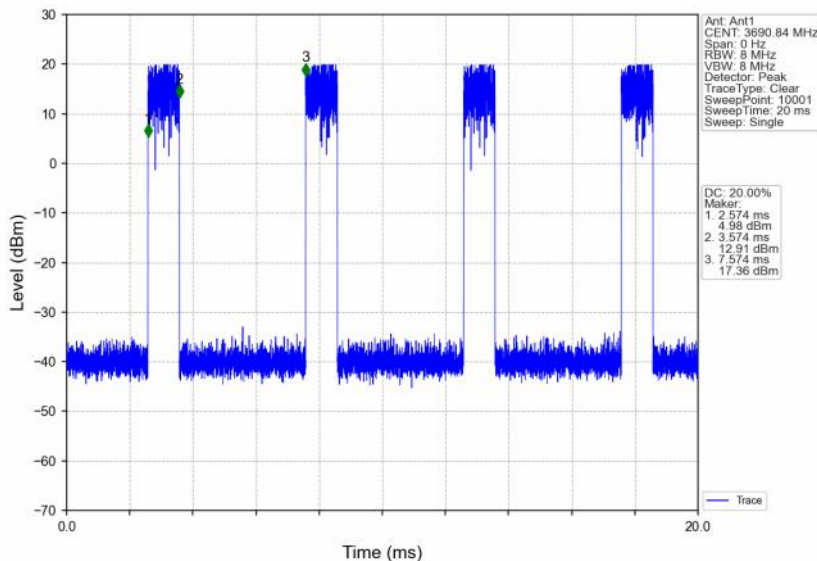


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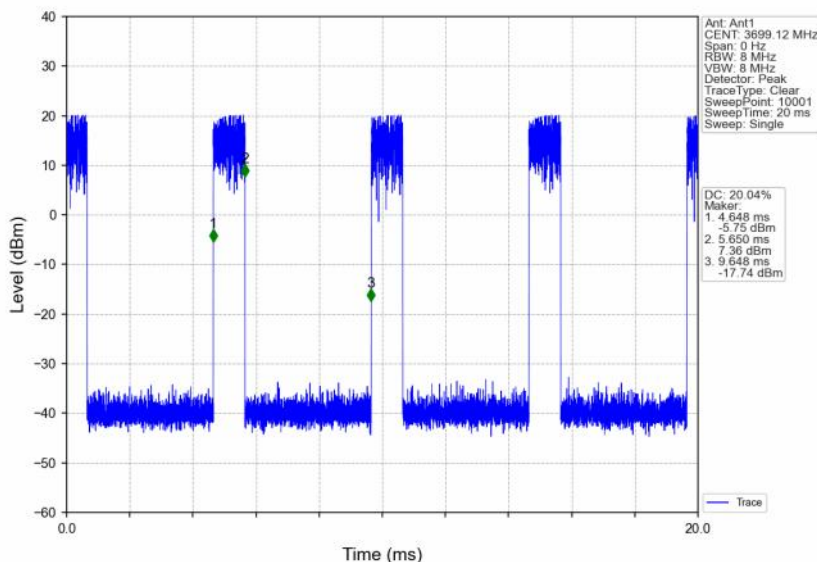
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3694.98MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3694.98MHz\_Edge\_1RB\_Right



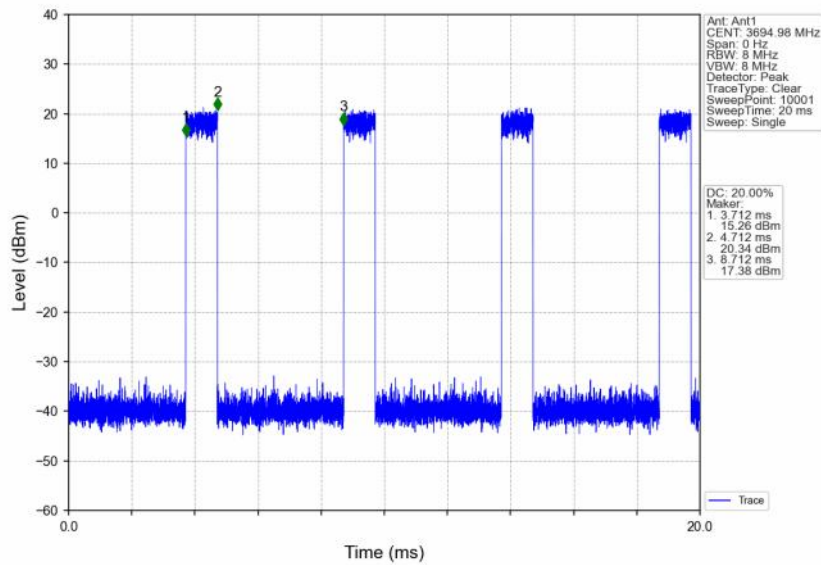
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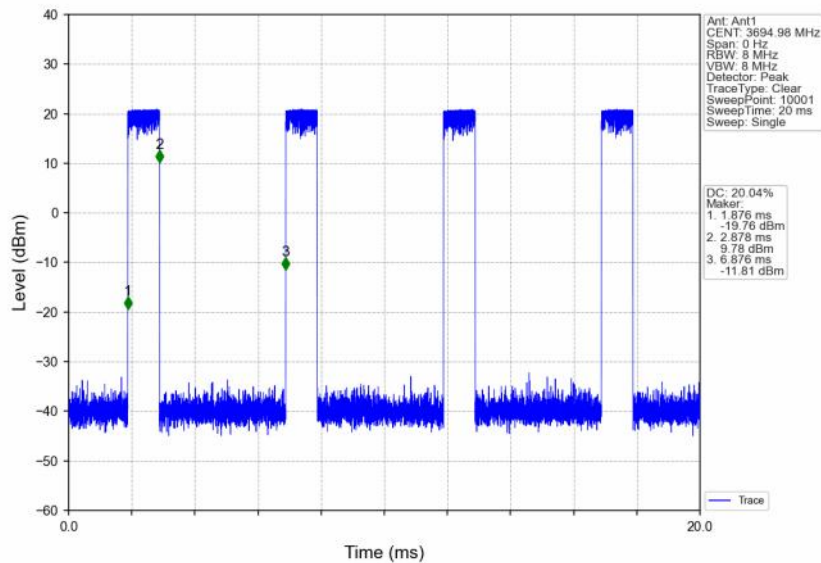
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3694.98MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3694.98MHz\_Inner\_Full

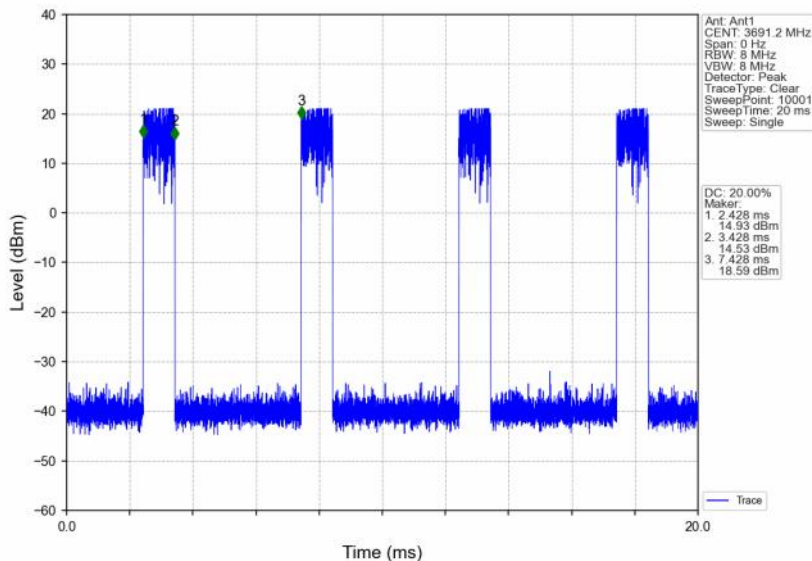


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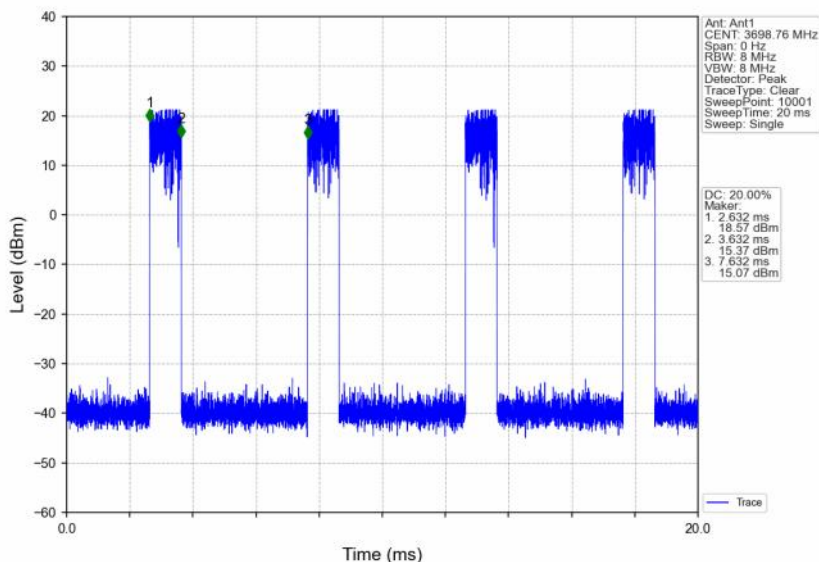
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3694.98MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3694.98MHz\_Inner\_1RB\_Right

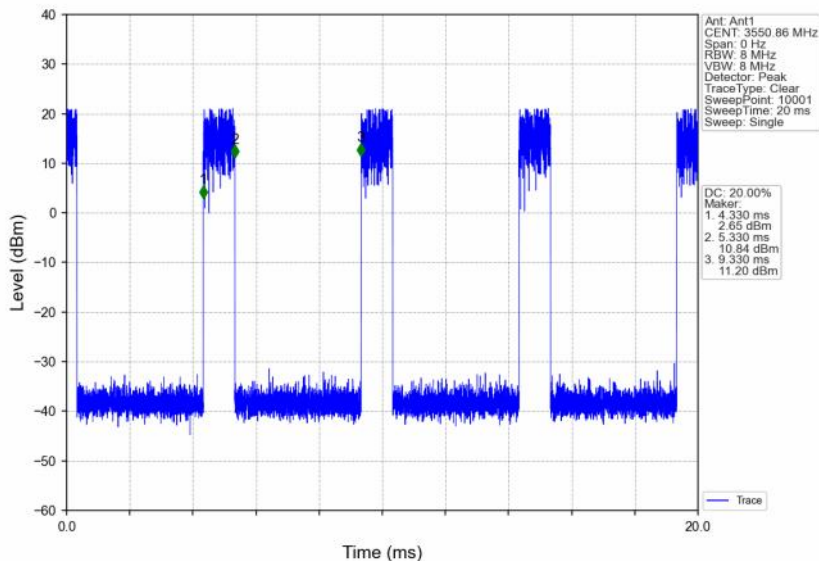


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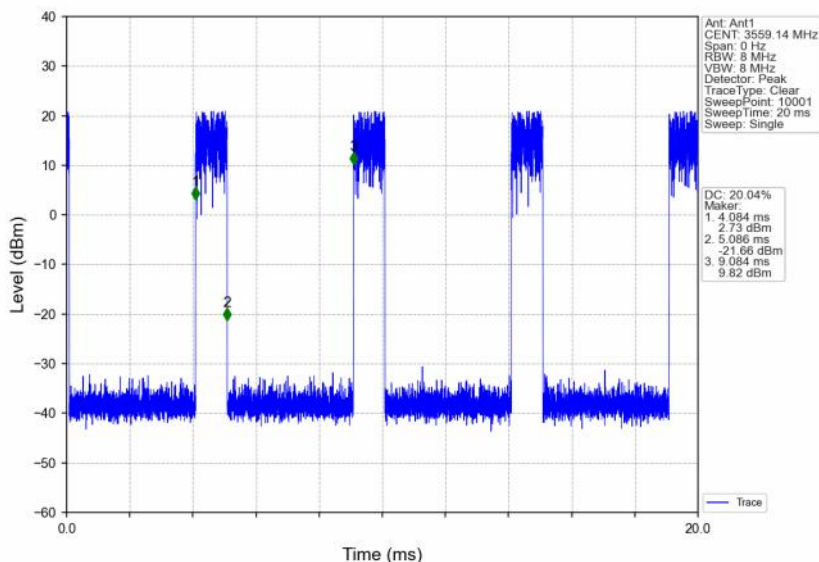
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 16 QAM\_3555MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 16 QAM\_3555MHz\_Edge\_1RB\_Right

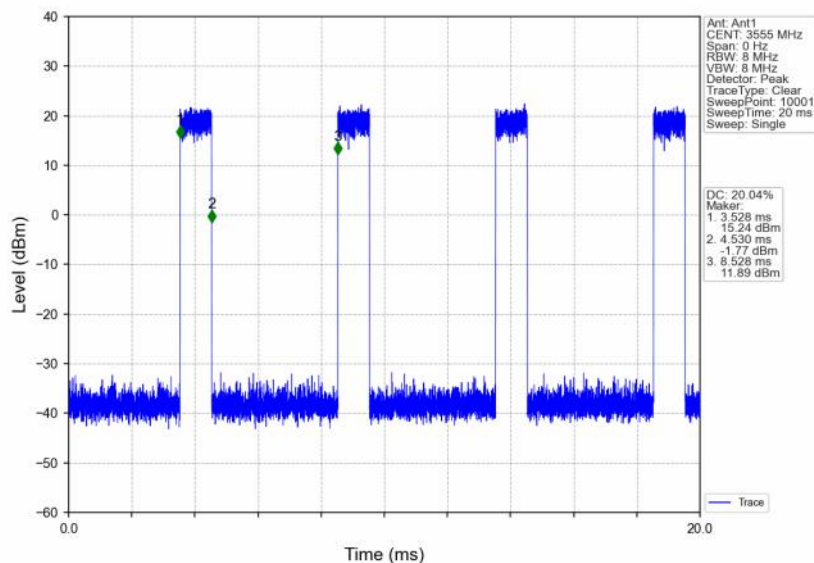


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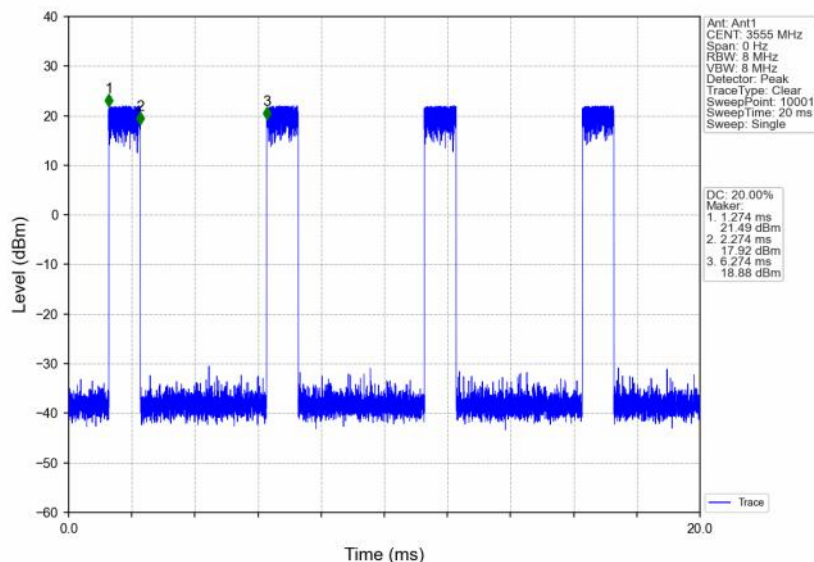
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_16 QAM\_3555MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_16 QAM\_3555MHz\_Inner\_Full

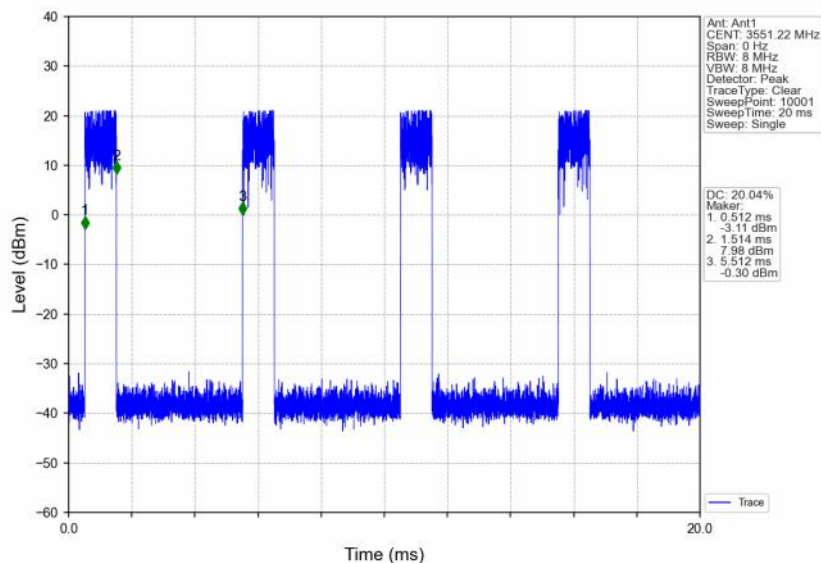


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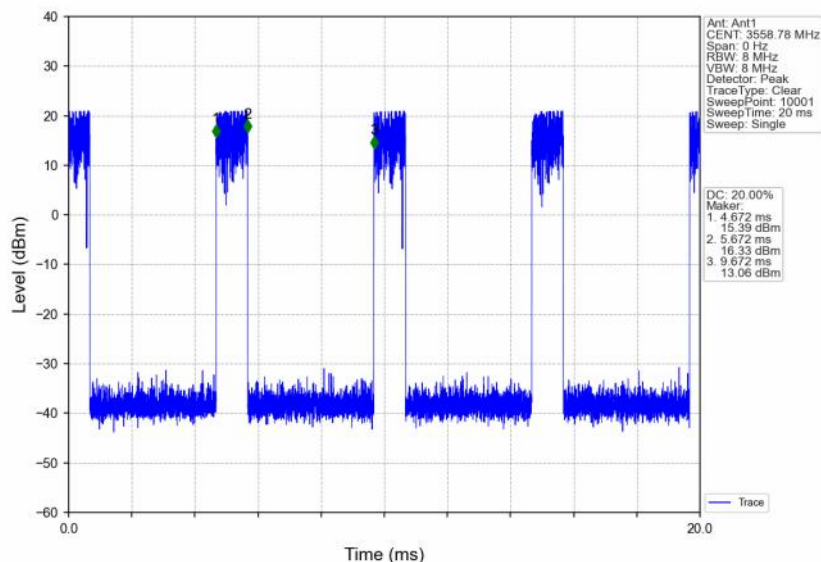
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 16 QAM\_3555MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 16 QAM\_3555MHz\_Inner\_1RB\_Right

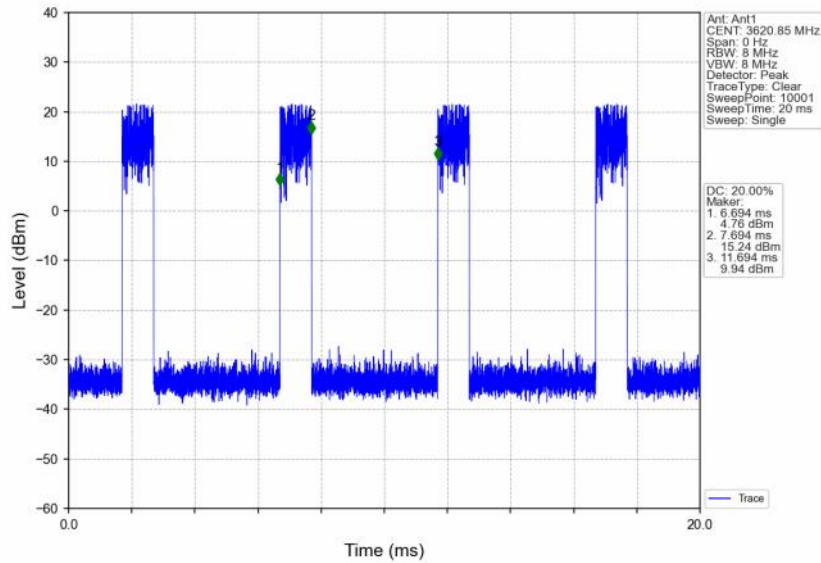


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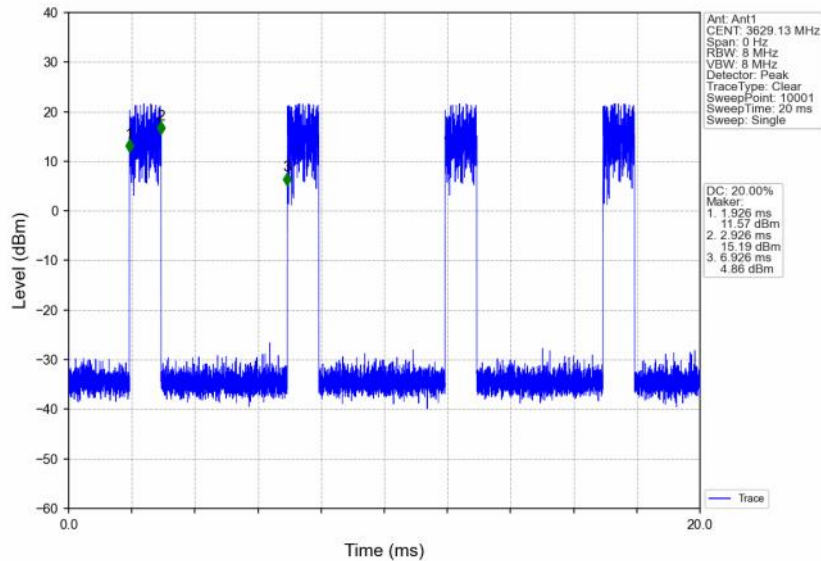
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 16 QAM\_3624.99MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 16 QAM\_3624.99MHz\_Edge\_1RB\_Right

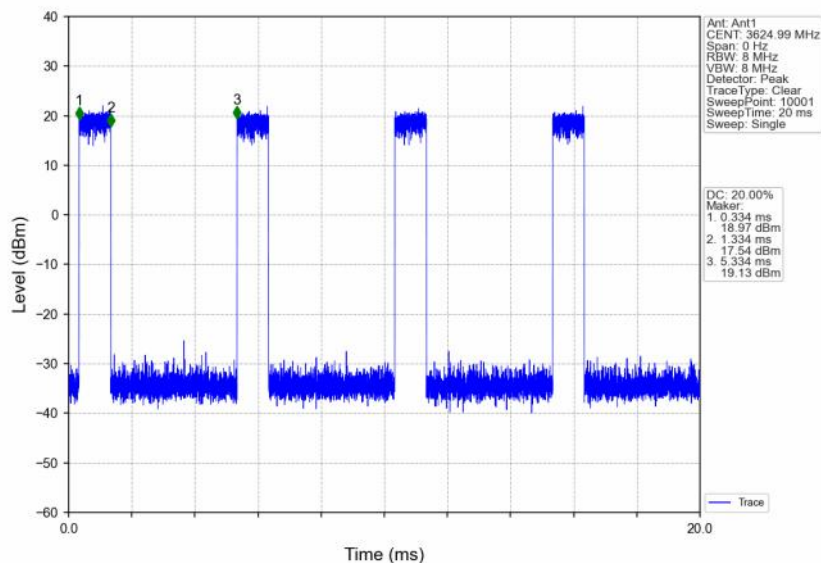


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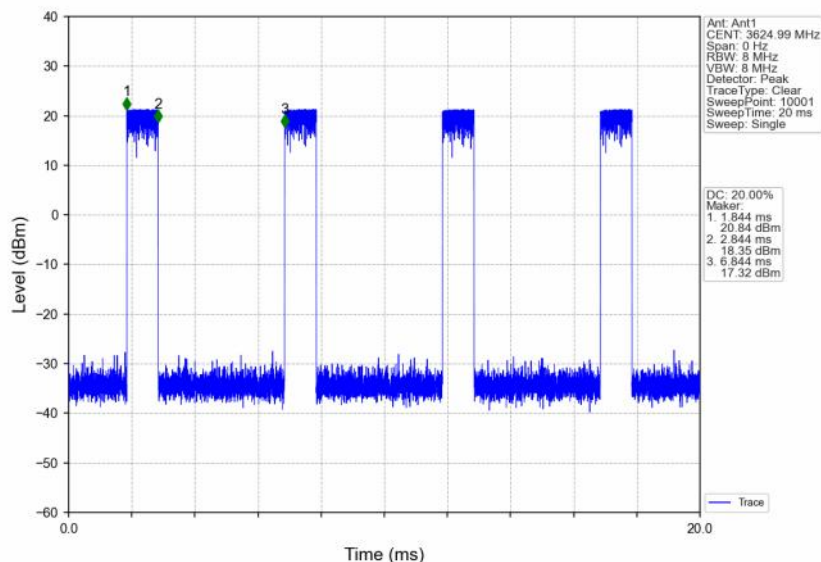
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_16 QAM\_3624.99MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_16 QAM\_3624.99MHz\_Inner\_Full

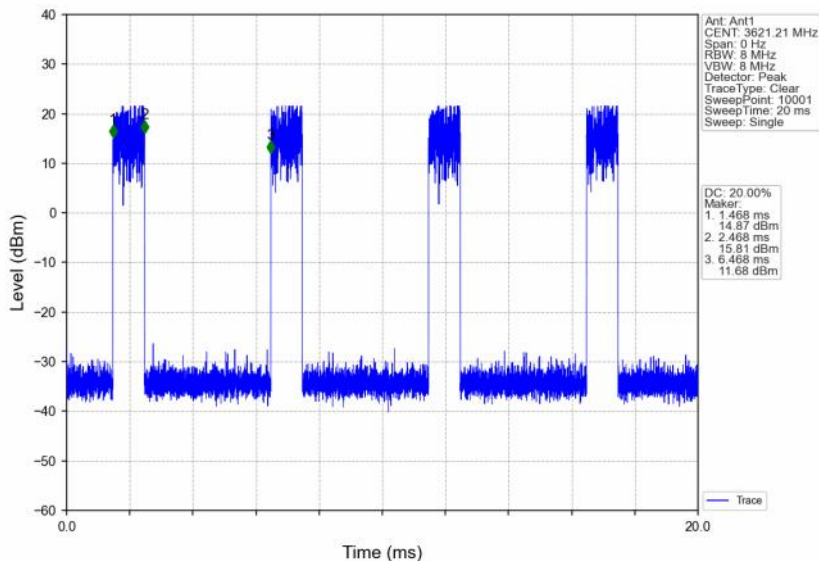


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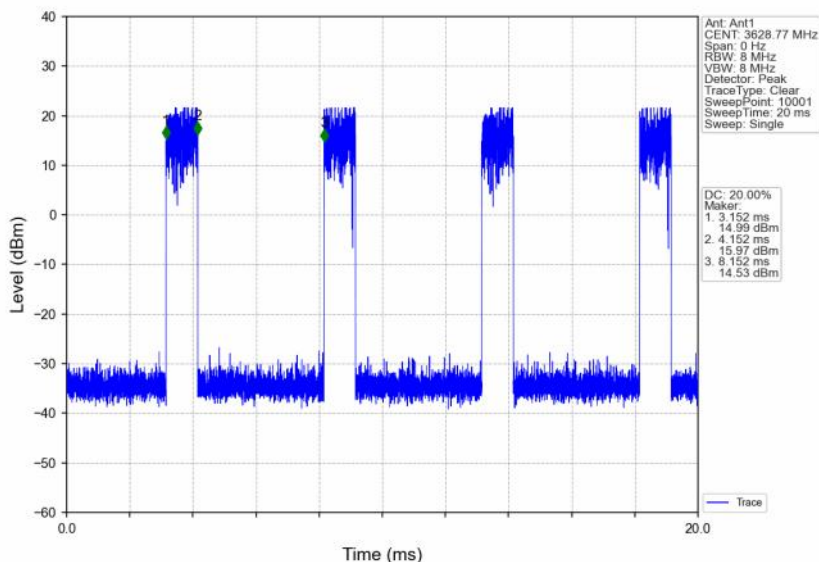
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 16 QAM\_3624.99MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 16 QAM\_3624.99MHz\_Inner\_1RB\_Right



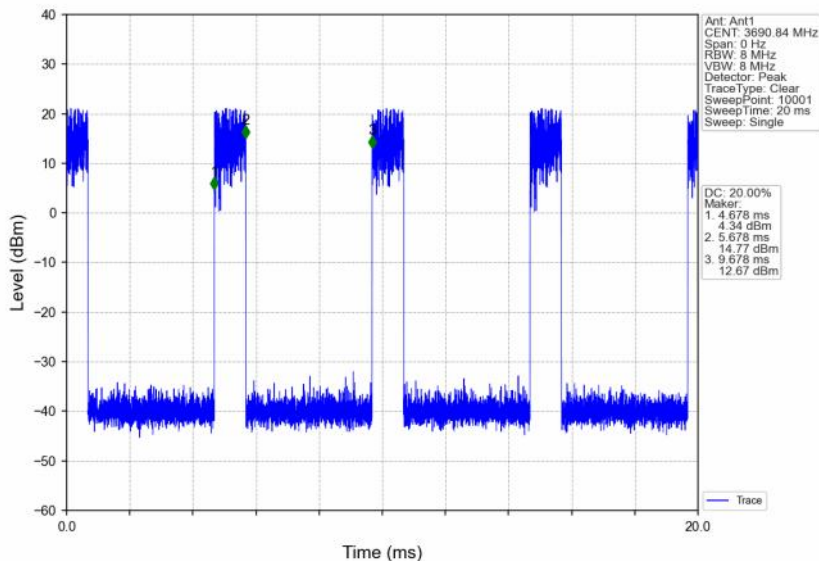
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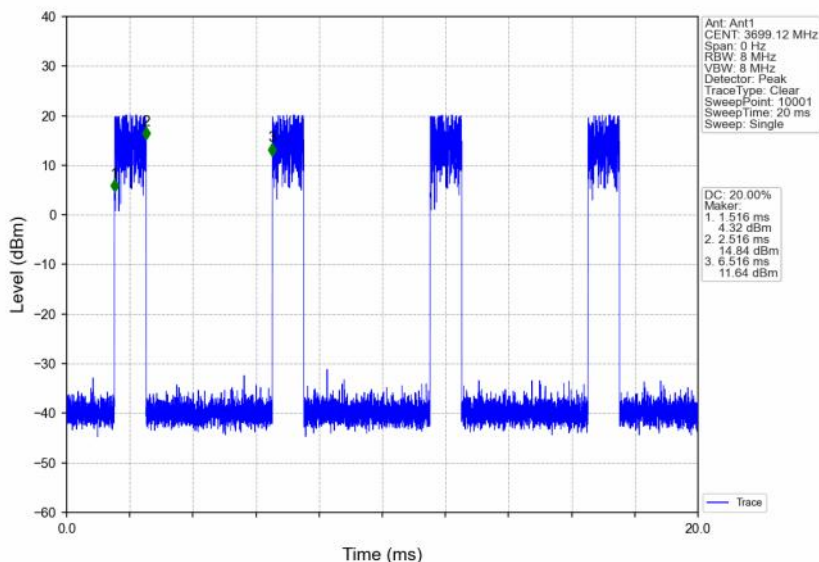
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 16 QAM\_3694.98MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 16 QAM\_3694.98MHz\_Edge\_1RB\_Right

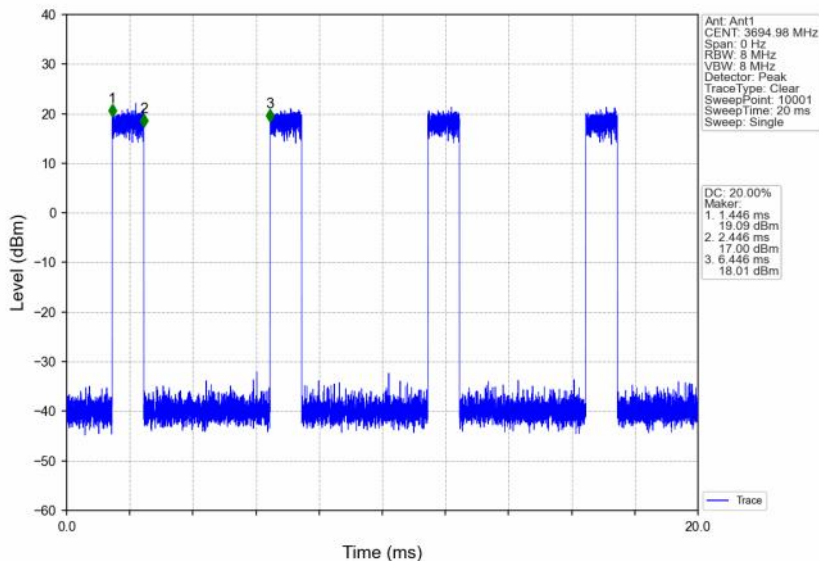


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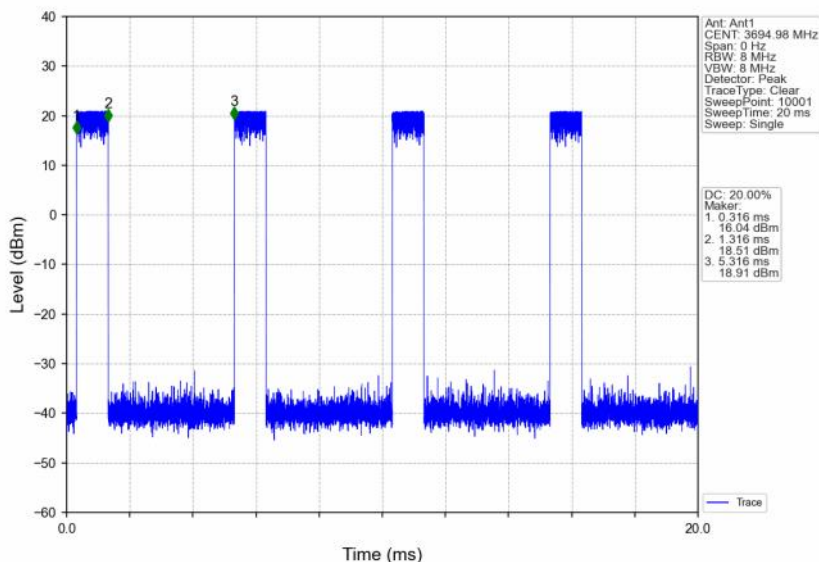
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 16 QAM\_3694.98MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 16 QAM\_3694.98MHz\_Inner\_Full

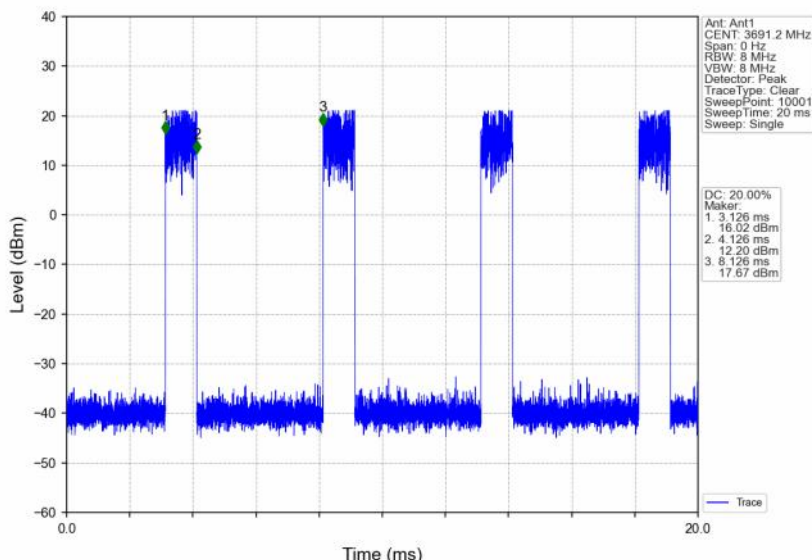


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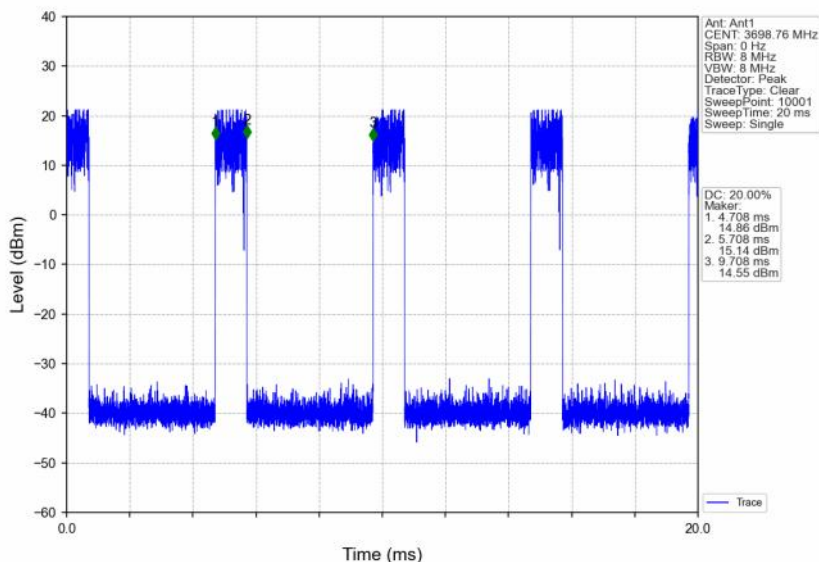
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 16 QAM\_3694.98MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 16 QAM\_3694.98MHz\_Inner\_1RB\_Right

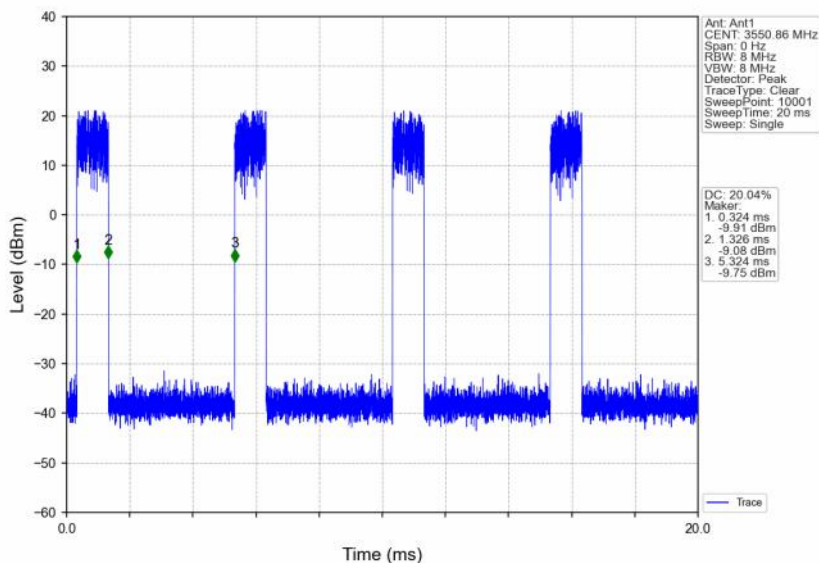


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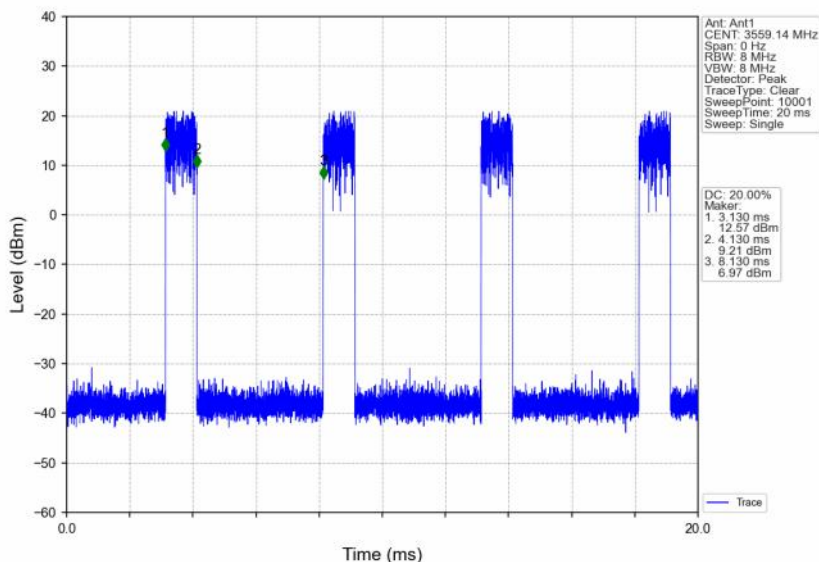
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 64 QAM\_3555MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 64 QAM\_3555MHz\_Edge\_1RB\_Right

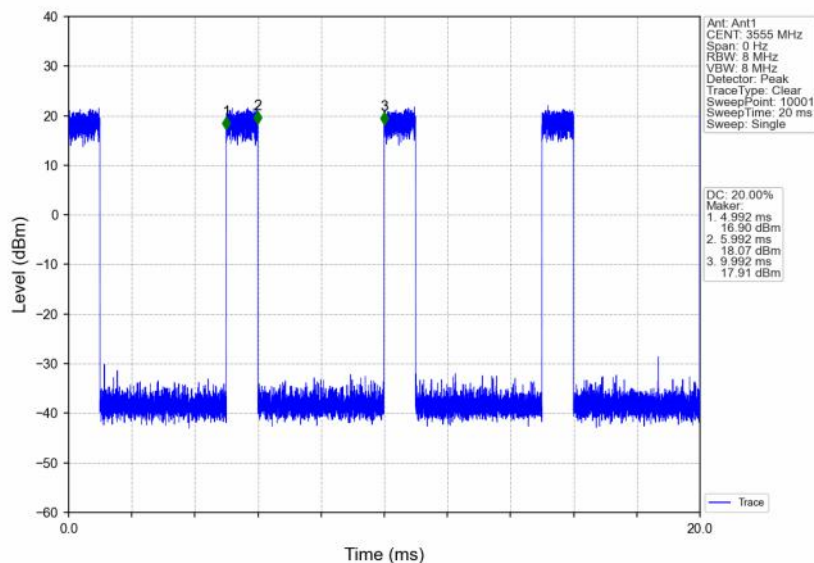


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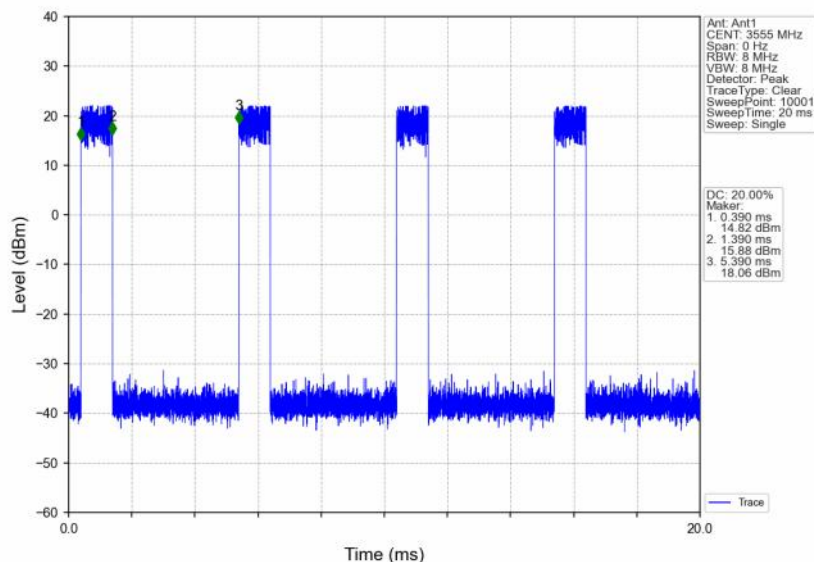
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 64 QAM\_3555MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 64 QAM\_3555MHz\_Inner\_Full

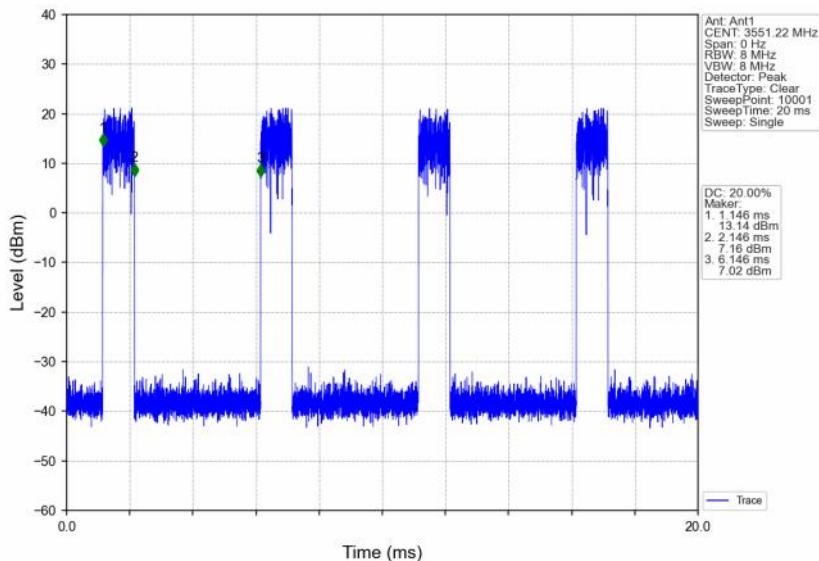


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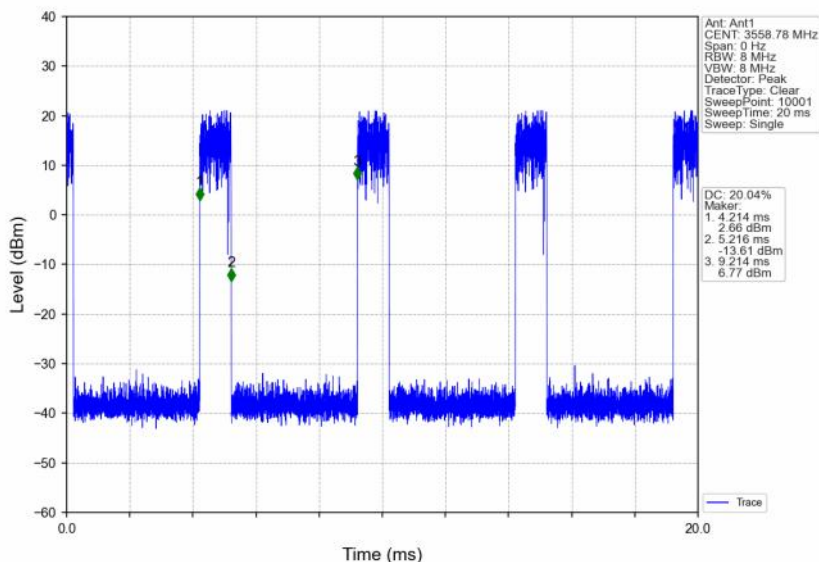
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n48\_30kHz\_SISO\_NTVV\_10MHz\_CP-OFDM 64 QAM\_3555MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTVV\_10MHz\_CP-OFDM 64 QAM\_3555MHz\_Inner\_1RB\_Right

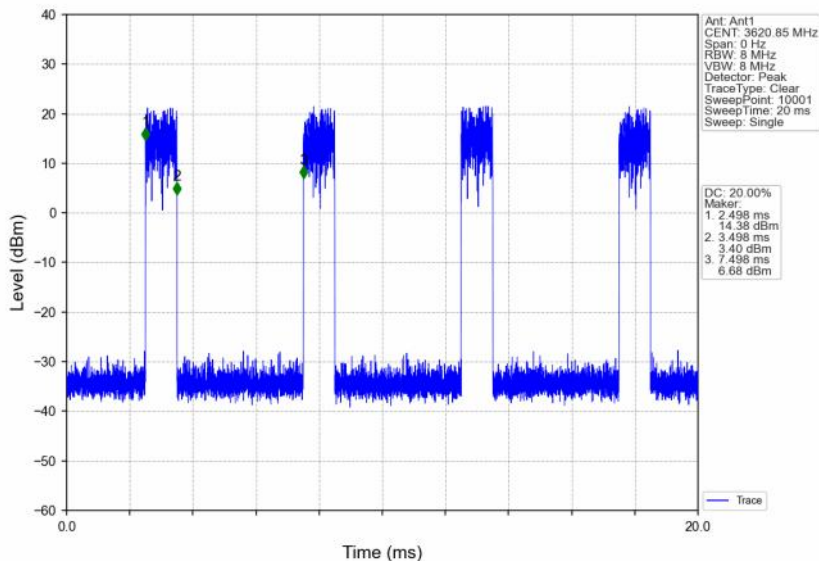


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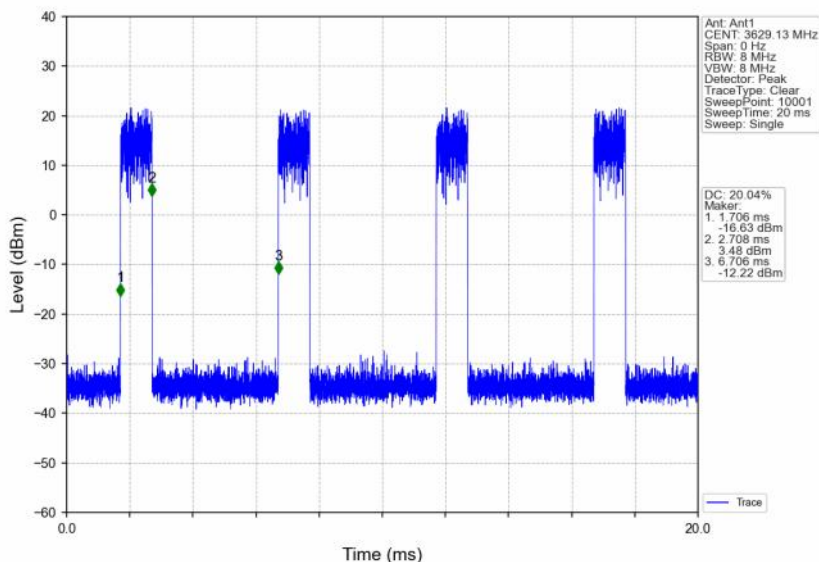
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 64 QAM\_3624.99MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 64 QAM\_3624.99MHz\_Edge\_1RB\_Right

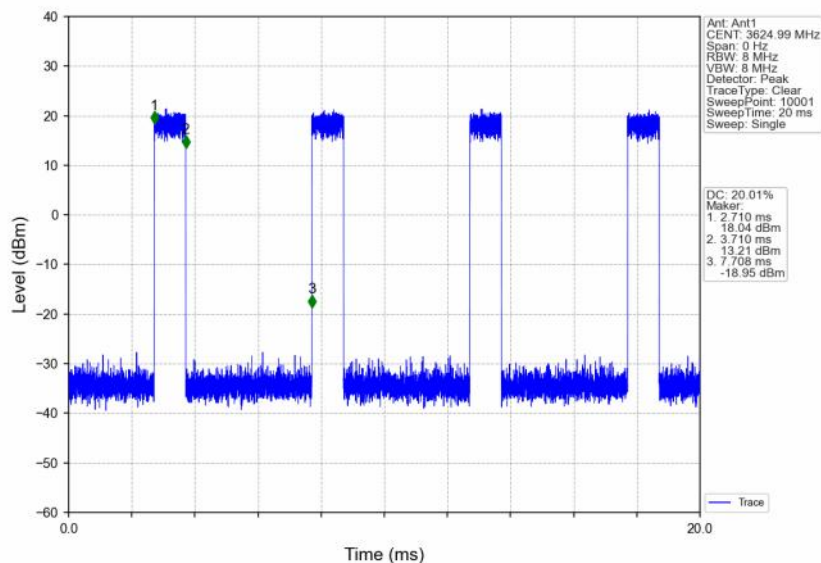


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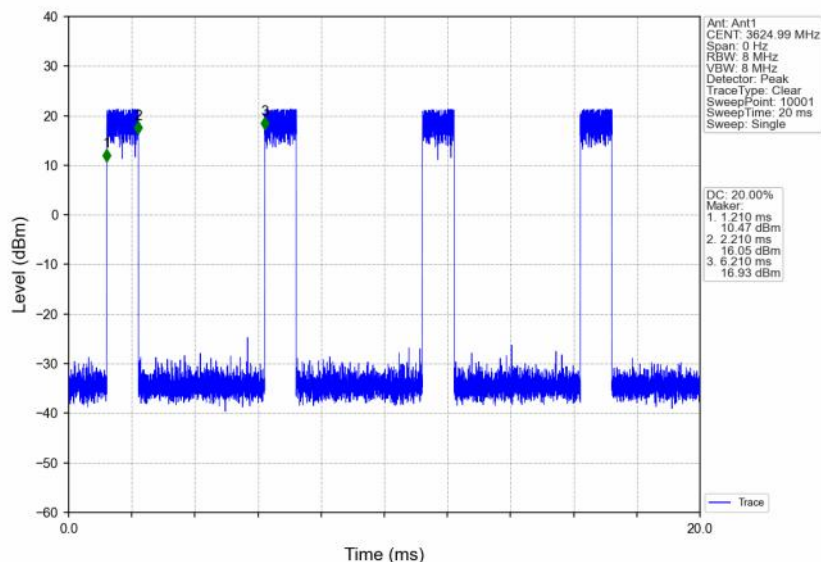
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 64 QAM\_3624.99MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 64 QAM\_3624.99MHz\_Inner\_Full



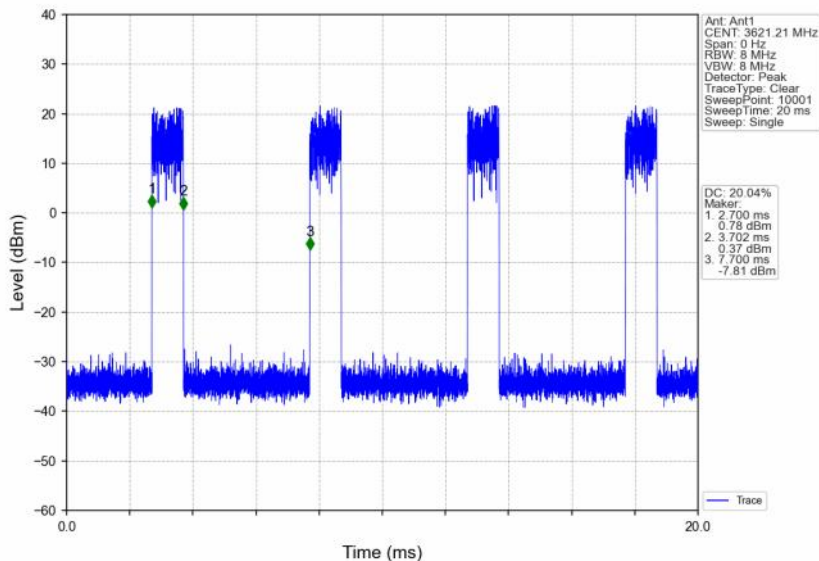
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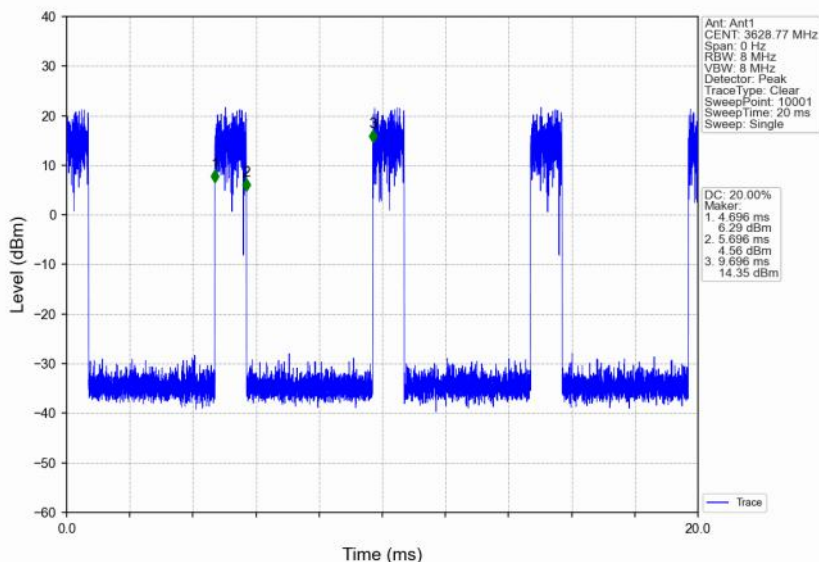
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 64 QAM\_3624.99MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 64 QAM\_3624.99MHz\_Inner\_1RB\_Right

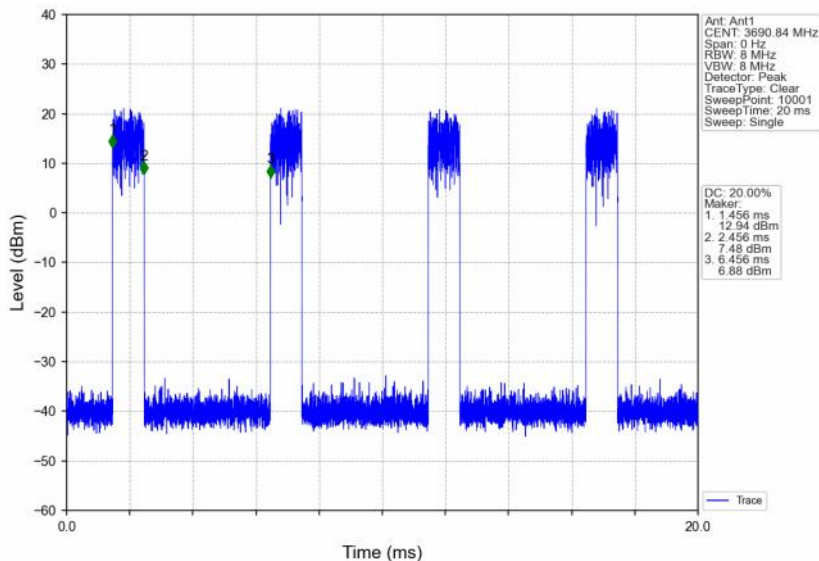


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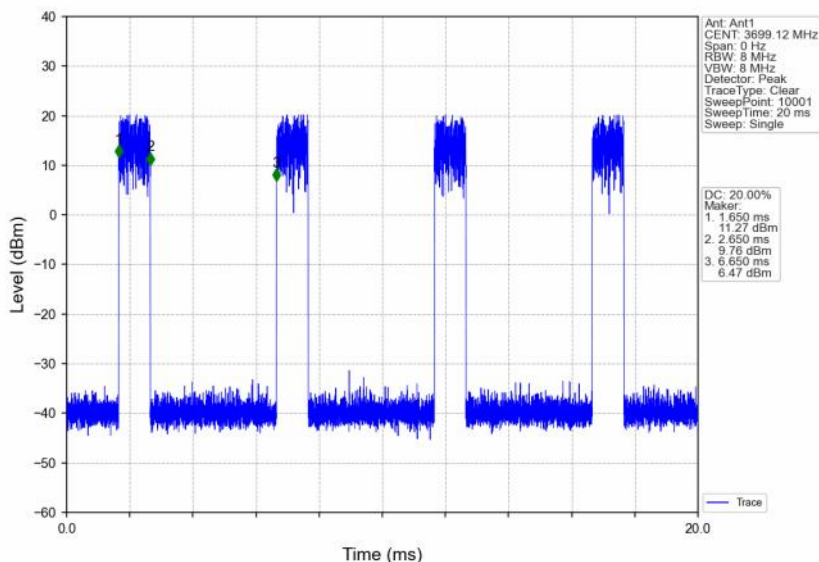
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 64 QAM\_3694.98MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 64 QAM\_3694.98MHz\_Edge\_1RB\_Right

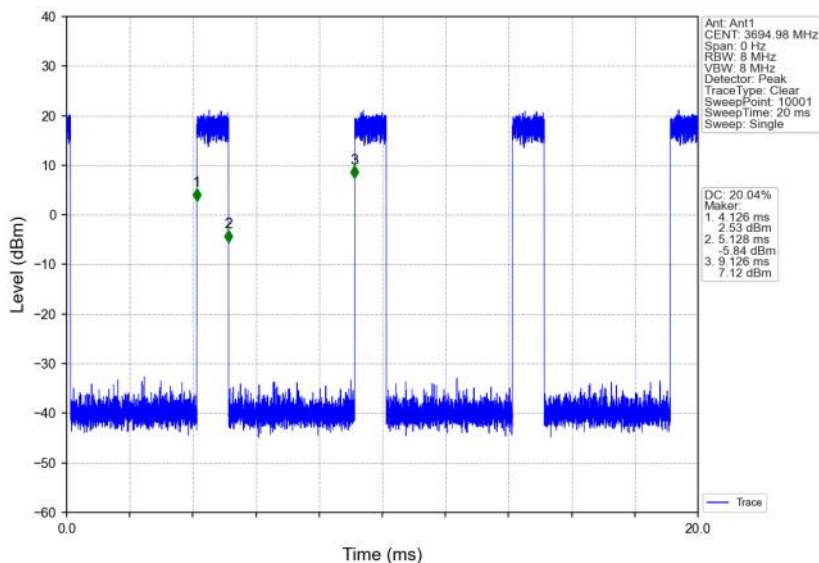


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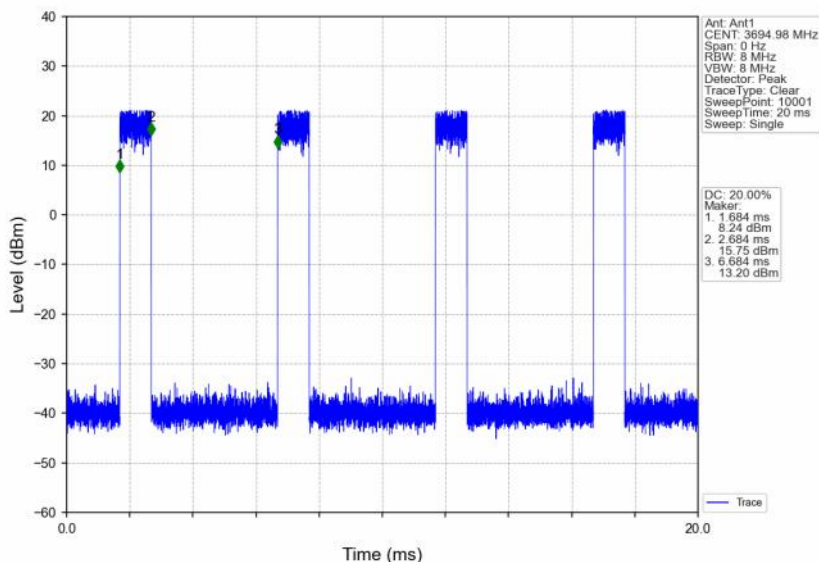
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 64 QAM\_3694.98MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 64 QAM\_3694.98MHz\_Inner\_Full

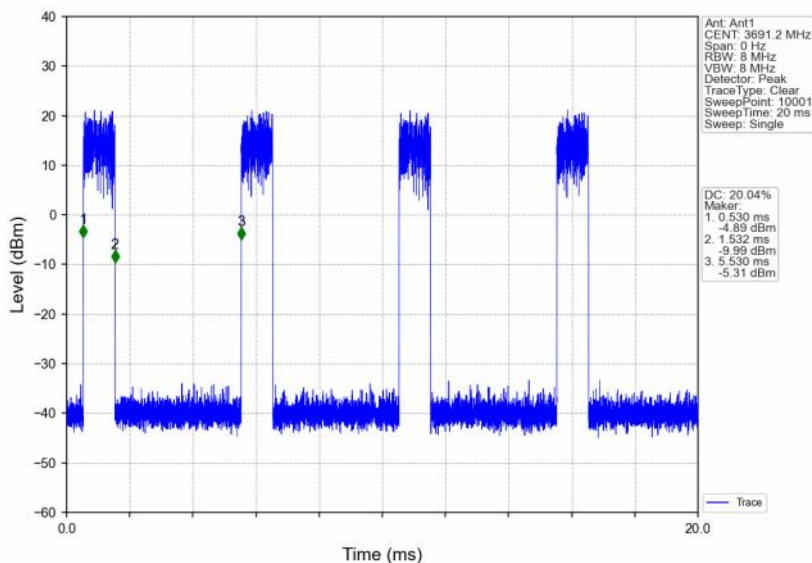


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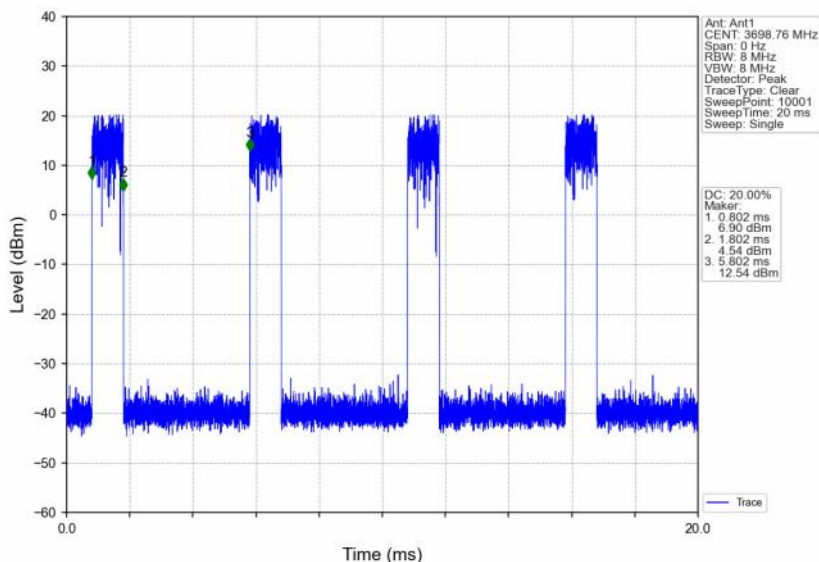
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 64 QAM\_3694.98MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 64 QAM\_3694.98MHz\_Inner\_1RB\_Right

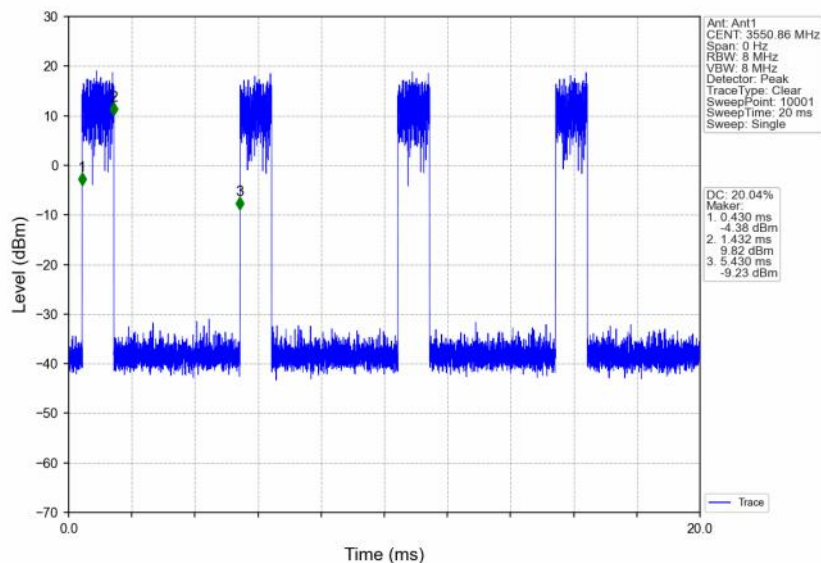


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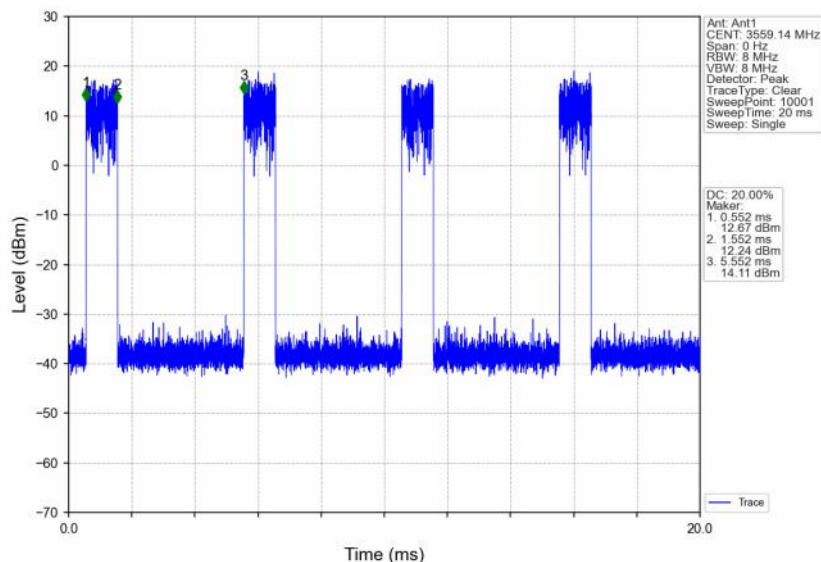
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 256 QAM\_3555MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 256 QAM\_3555MHz\_Edge\_1RB\_Right

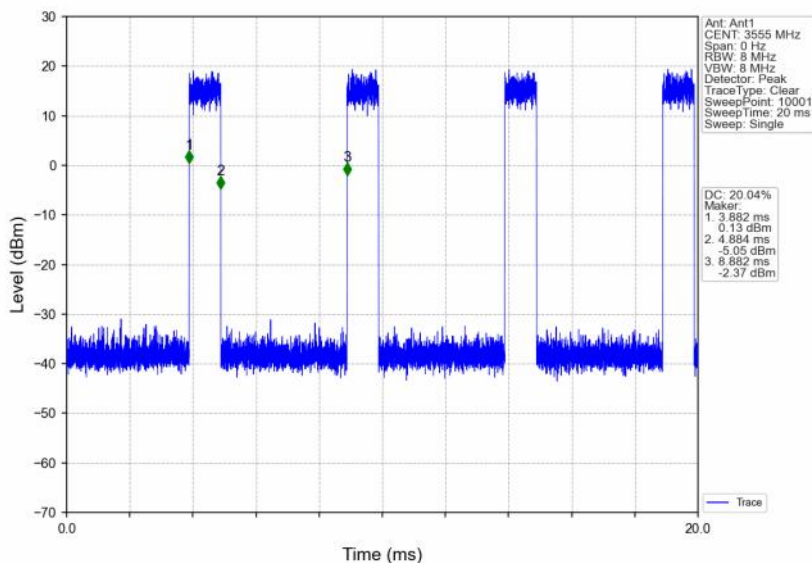


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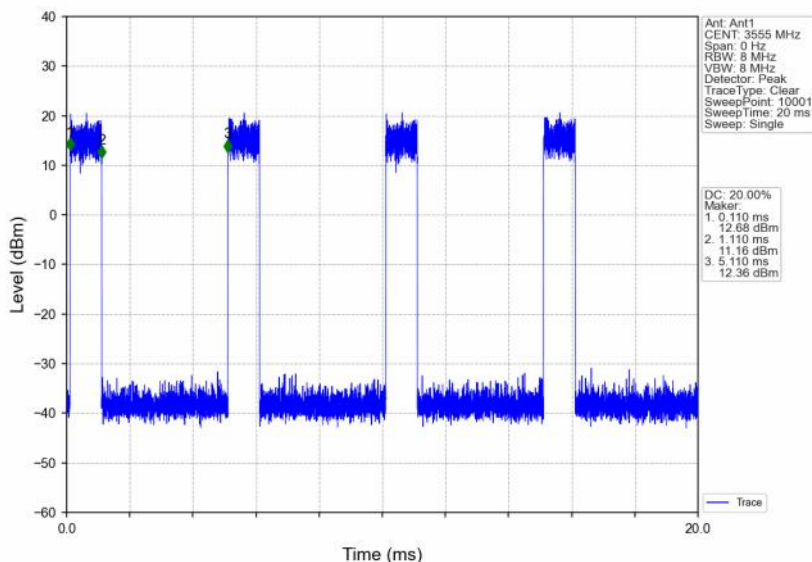
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 256 QAM\_3555MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 256 QAM\_3555MHz\_Inner\_Full

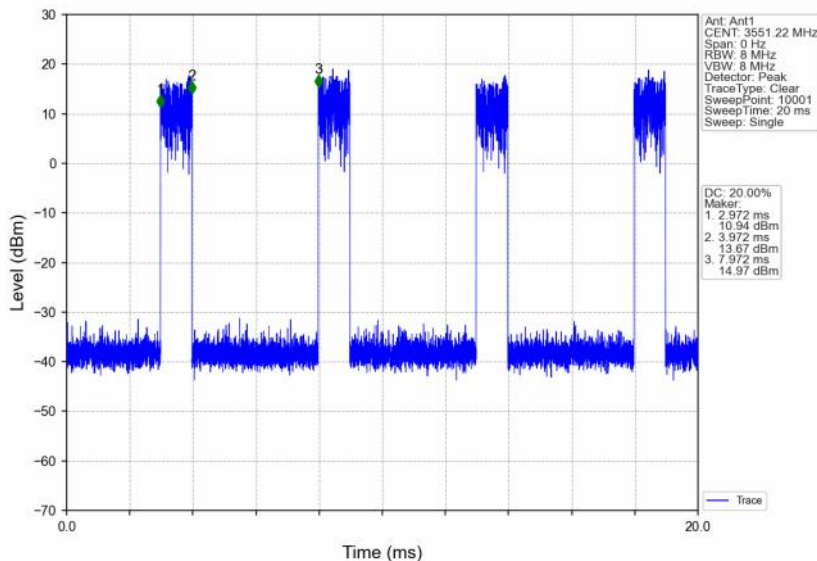


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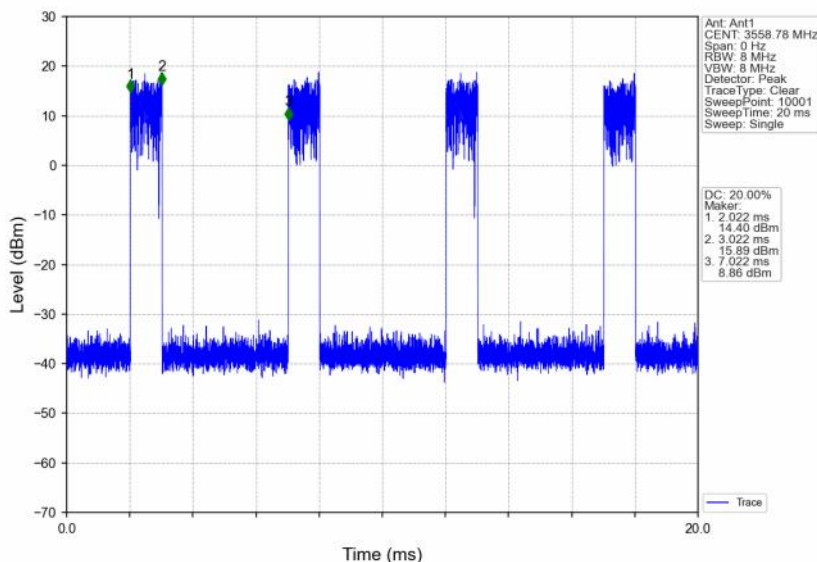
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 256 QAM\_3555MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 256 QAM\_3555MHz\_Inner\_1RB\_Right

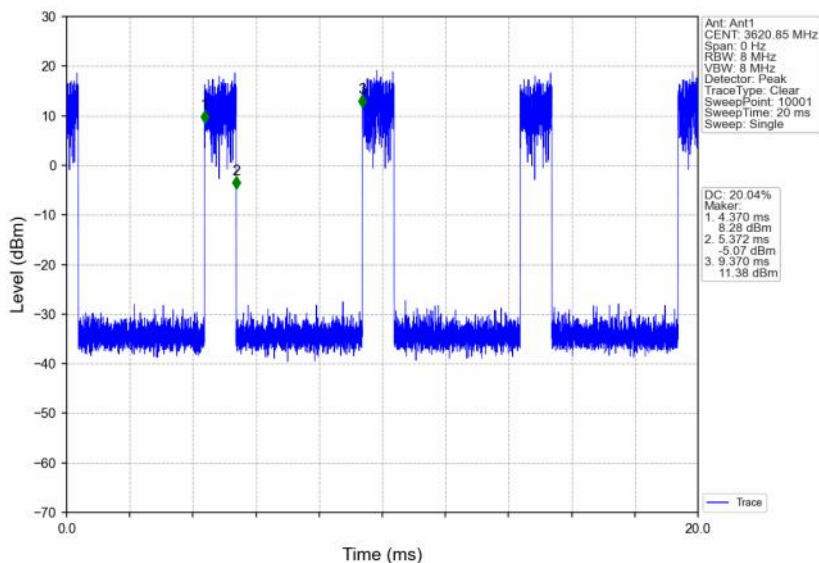


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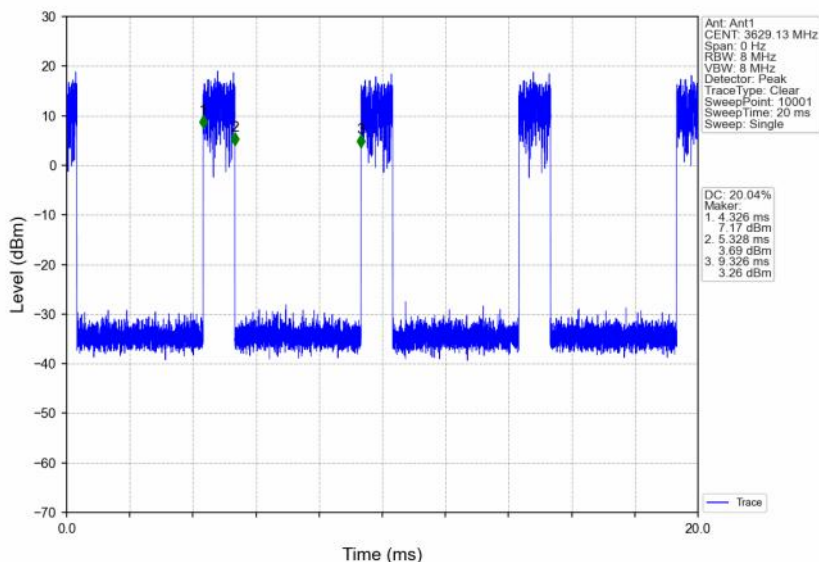
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 256 QAM\_3624.99MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 256 QAM\_3624.99MHz\_Edge\_1RB\_Right



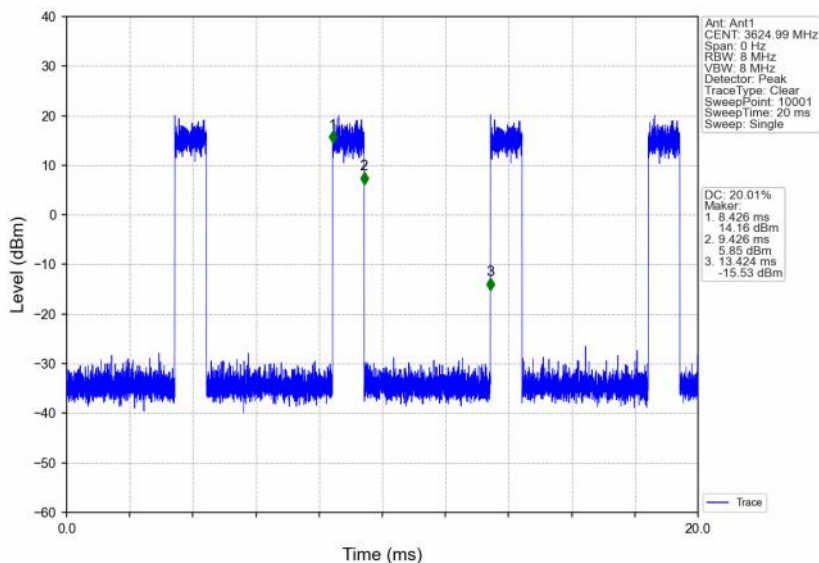
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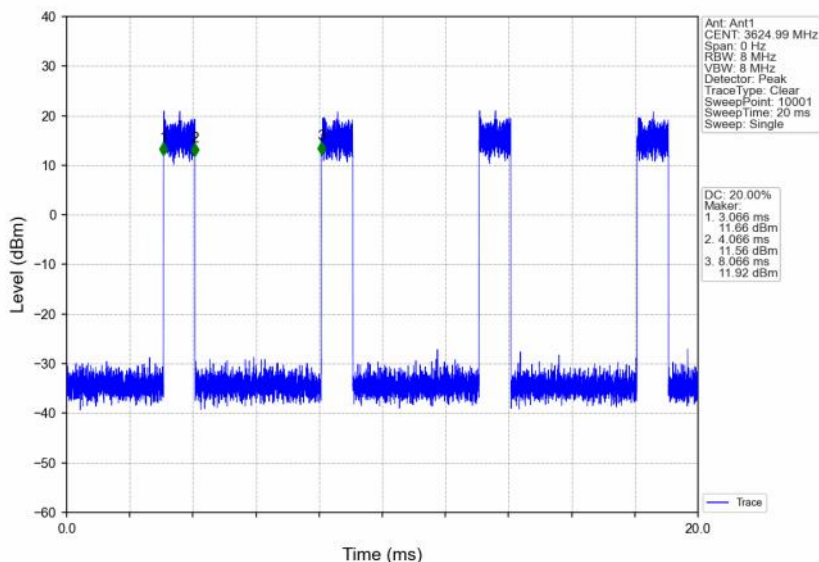
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 256 QAM\_3624.99MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 256 QAM\_3624.99MHz\_Inner\_Full

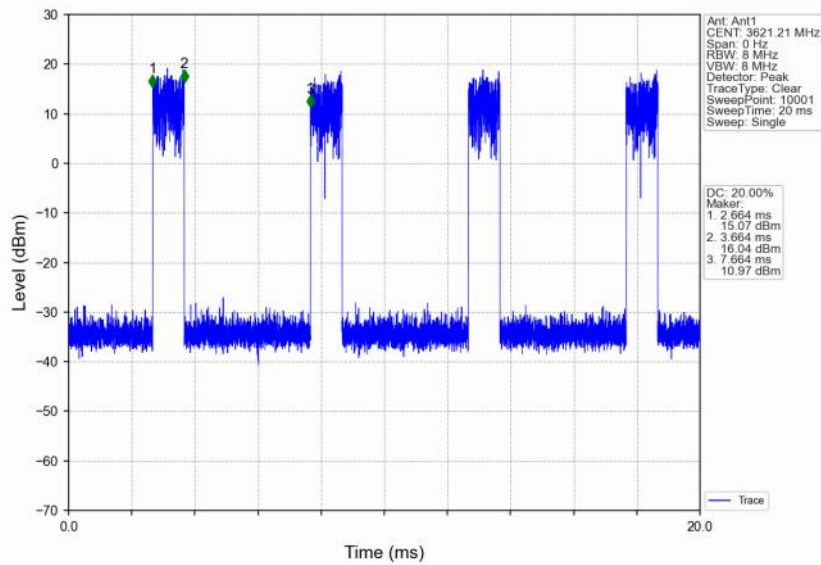


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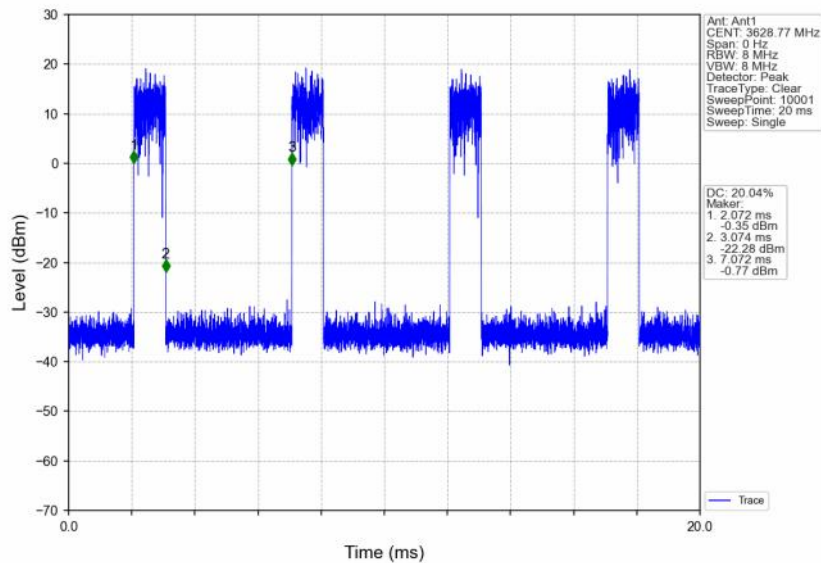
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 256 QAM\_3624.99MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 256 QAM\_3624.99MHz\_Inner\_1RB\_Right

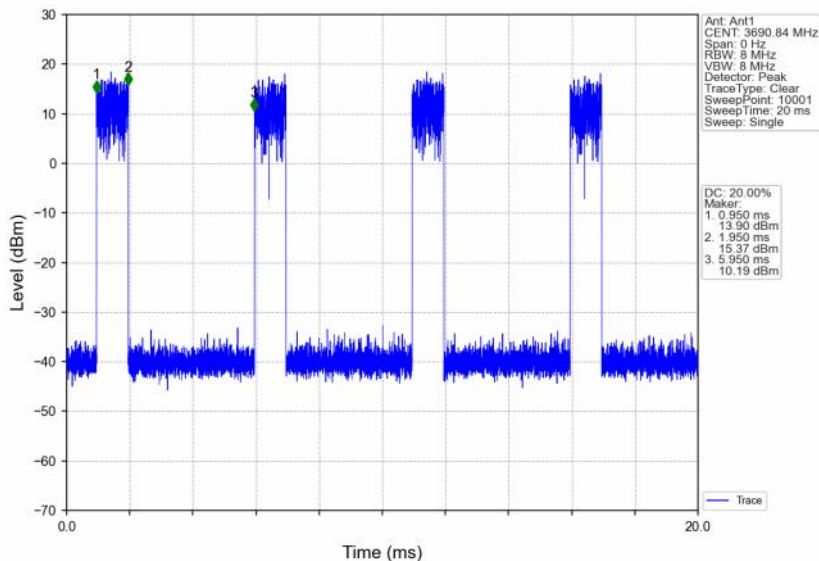


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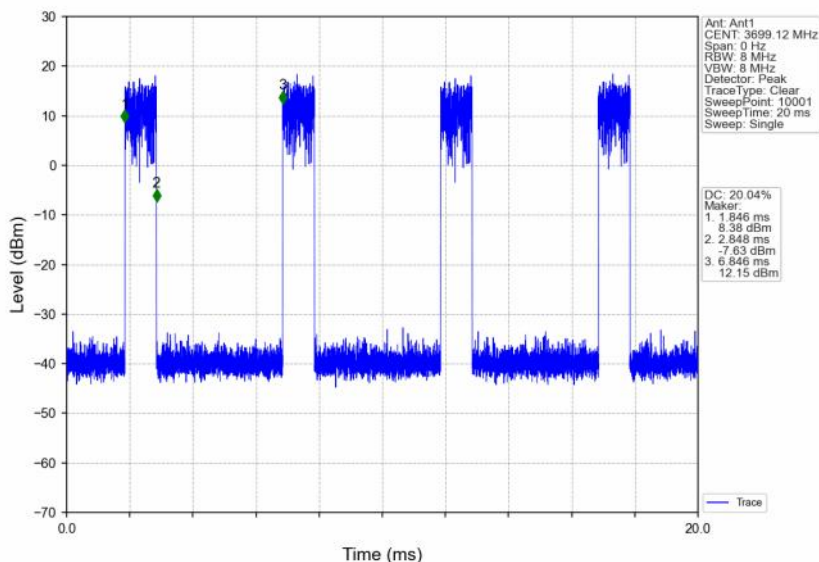
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 256 QAM\_3694.98MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 256 QAM\_3694.98MHz\_Edge\_1RB\_Right

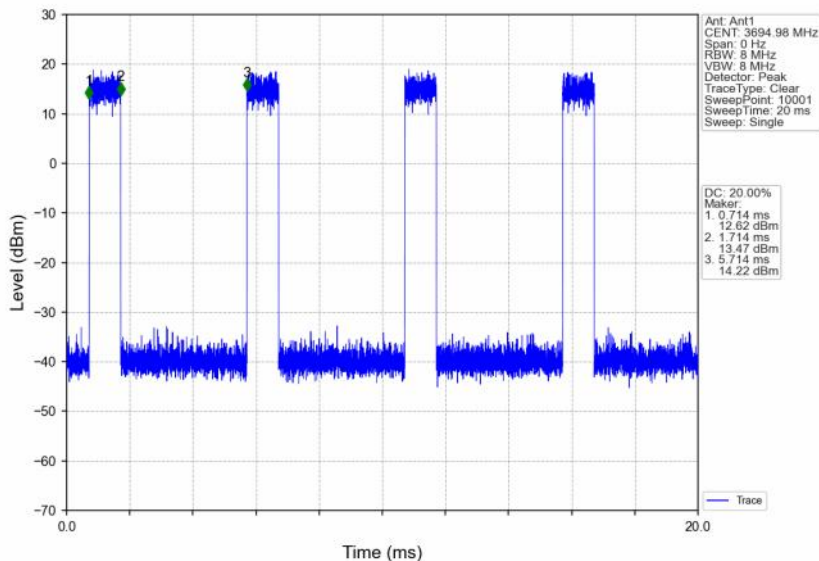


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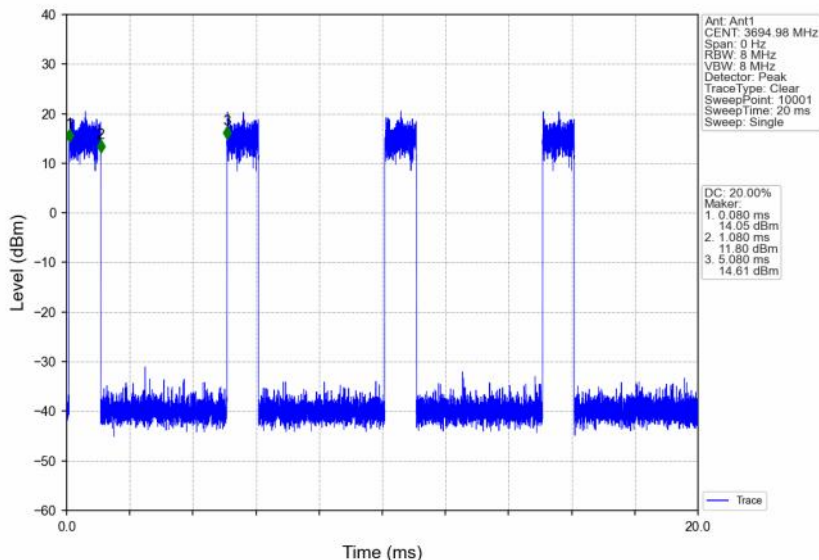
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 256 QAM\_3694.98MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 256 QAM\_3694.98MHz\_Inner\_Full

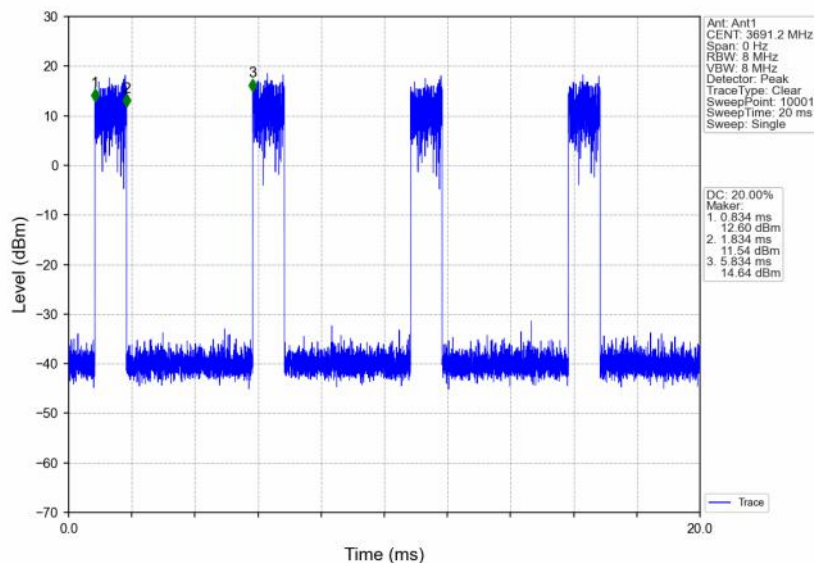


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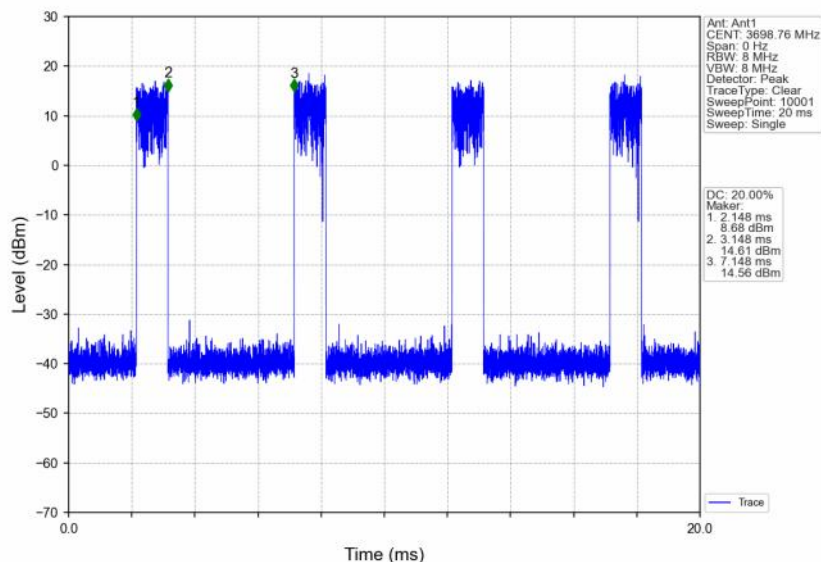
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_256\_QAM\_3694.98MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_256\_QAM\_3694.98MHz\_Inner\_1RB\_Right



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## 1.2 30k\_SISO\_20MHz\_NTNV

### 1.2.1 Test Result

5G NR n48 SCS=30kHz SISO 20MHz 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	3560.01	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	1.000	4.998	20.01	6.99	0.02
		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
	3624.99	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	0.00
		Inner_Full	1.000	5.000	20.00	6.99	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	1.002	5.000	20.04	6.98	0.00
		Outer_Full	1.000	5.000	20.00	6.99	0.00
		Inner_Full	1.000	5.000	20.00	6.99	0.01
		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	3560.01	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	1.000	4.998	20.01	6.99	0.03
		Inner_Full	1.000	5.000	20.00	6.99	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
	3624.99	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	1.000	5.000	20.00	6.99	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	1.002	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	5.002	20.03	6.98	0.01
		Inner_Full	1.000	5.000	20.00	6.99	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 16 QAM	3560.01	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	1.000	5.000	20.00	6.99	0.00
		Inner_Full	1.000	5.000	20.00	6.99	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
	3624.99	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



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		Outer_Full	1.000	5.000	20.00	6.99	0.04		
		Inner_Full	1.000	5.000	20.00	6.99	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	1.000	5.000	20.00	6.99	0.00		
		Inner_Full	1.000	5.000	20.00	6.99	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		
		DFT-s-OFDM 64 QAM	3560.01	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	1.000			5.000	20.00	6.99	0.00		
3624.99	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		1.002	5.000	20.04	6.98	0.00		
	Edge_1RB_Right		1.002	5.000	20.04	6.98	0.00		
3690	Outer_Full		1.000	5.000	20.00	6.99	0.00		
	Inner_Full		1.000	5.000	20.00	6.99	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 256 QAM	3560.01	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	1.000	5.000	20.00	6.99	0.00		
		Inner_Full	1.002	5.000	20.04	6.98	0.00		
	3624.99	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	1.002	5.000	20.04	6.98	0.00		
	3690	Outer_Full	1.000	5.000	20.00	6.99	0.00		
		Inner_Full	1.000	5.000	20.00	6.99	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		
CP-OFDM QPSK	3560.01	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	0.00		
		Inner_Full	1.002	5.000	20.04	6.98	0.00		
	3624.99	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	1.000	5.000	20.00	6.99	0.00		



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		Outer_Full	1.000	5.000	20.00	6.99	0.04		
		Inner_Full	1.000	5.000	20.00	6.99	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	1.002	5.000	20.04	6.98	0.00		
		Outer_Full	1.002	5.000	20.04	6.98	0.00		
		Inner_Full	1.000	5.000	20.00	6.99	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		
		CP-OFDM 16 QAM	3560.01	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	1.000			5.000	20.00	6.99	0.01		
Inner_Full	1.000			5.000	20.00	6.99	0.00		
3624.99	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		1.002	5.000	20.04	6.98	0.00		
	Outer_Full		1.000	5.000	20.00	6.99	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		
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	1.000	5.000	20.00	6.99	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			
	CP-OFDM 64 QAM	3560.01	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			1.000	5.000	20.00	6.99	0.00		
Inner_Full			1.000	5.000	20.00	6.99	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		
3624.99		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	1.000	5.000	20.00	6.99	0.00		
		Inner_Full	1.000	5.000	20.00	6.99	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	1.000	5.000	20.00	6.99	0.04			
	Inner_Full	1.000	5.000	20.00	6.99	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			
CP-OFDM 256 QAM	3560.01	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	1.000	5.000	20.00	6.99	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		
	3624.99	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		



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		Outer_Full	1.002	5.000	20.04	6.98	0.00	
		Inner_Full	1.000	5.000	20.00	6.99	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	
	3690	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	1.000	5.000	20.00	6.99	0.00	
		Inner_Full	1.000	5.000	20.00	6.99	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	

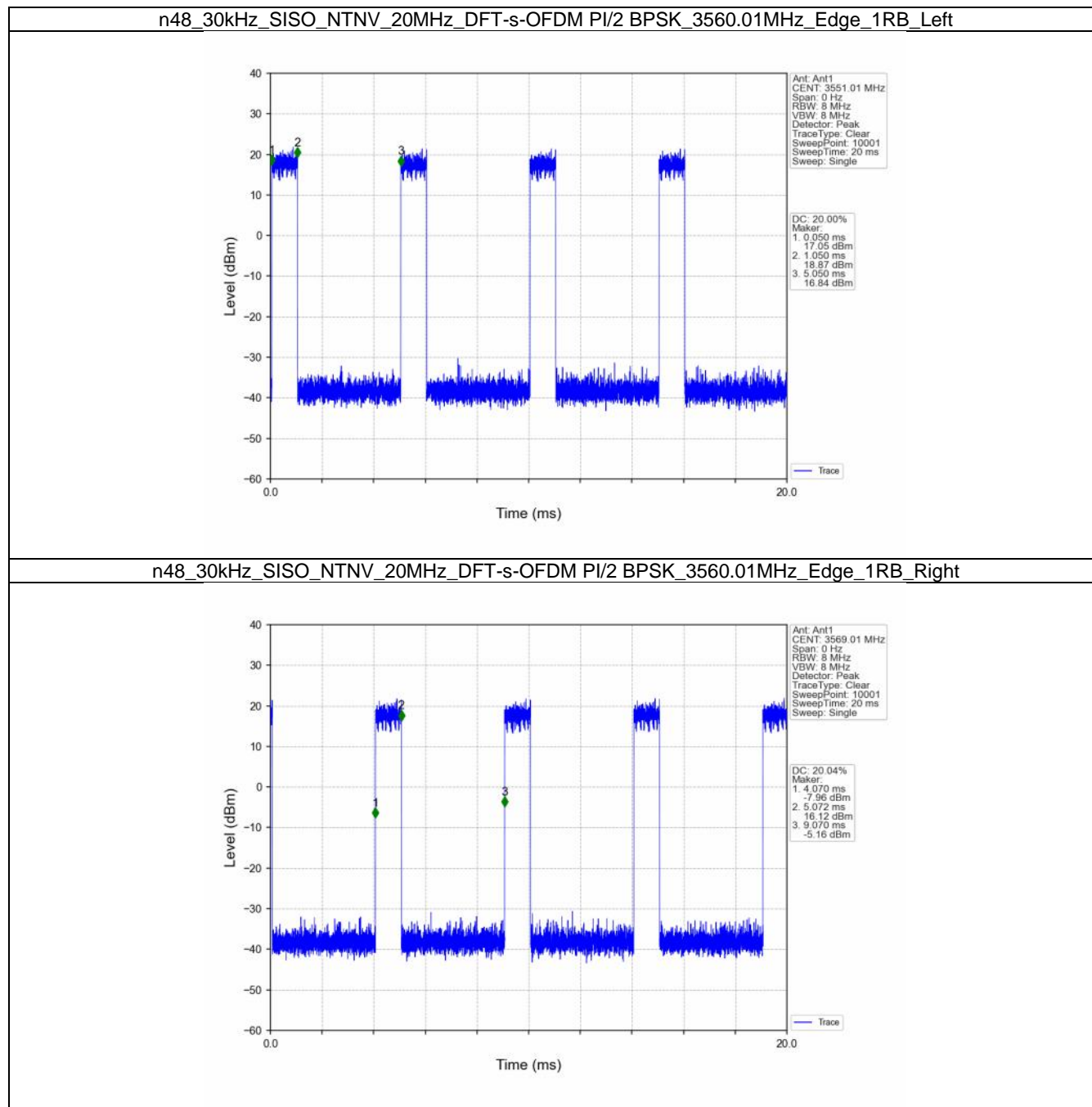


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1.2.2 Test Graph

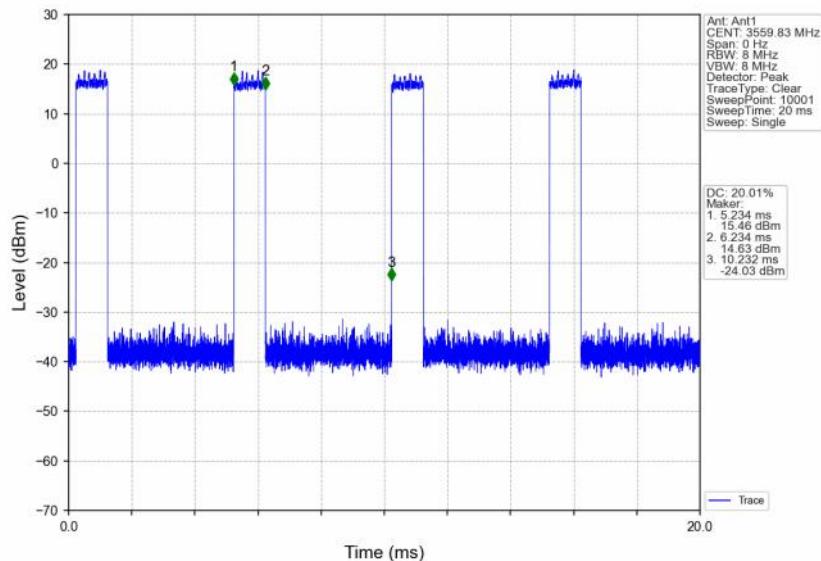


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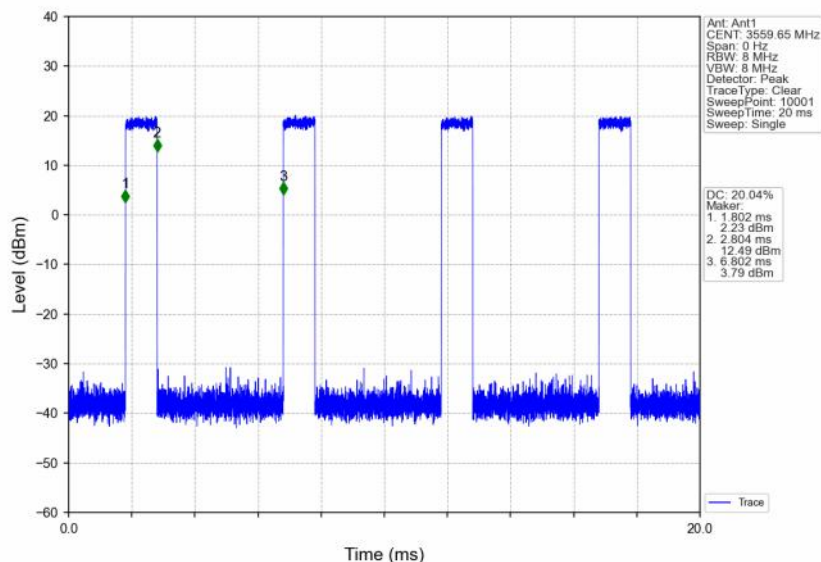
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n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_3560.01MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_3560.01MHz\_Inner\_Full

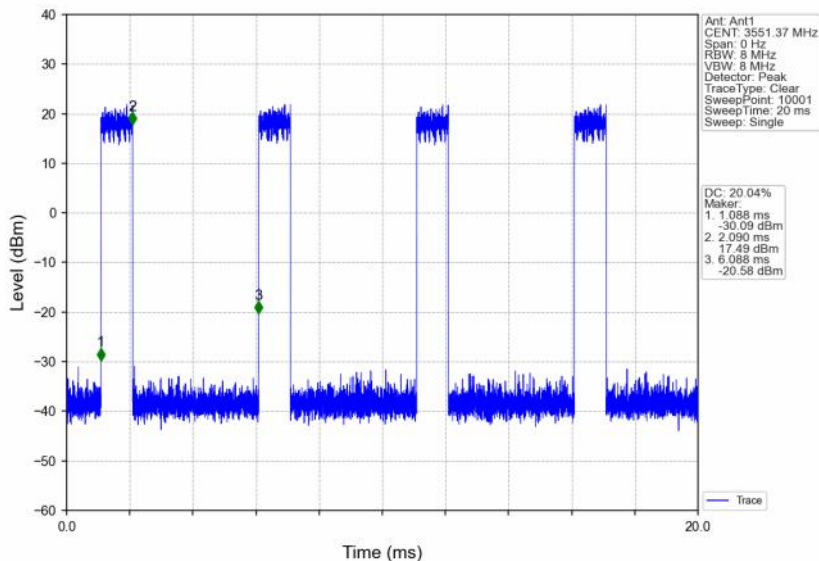


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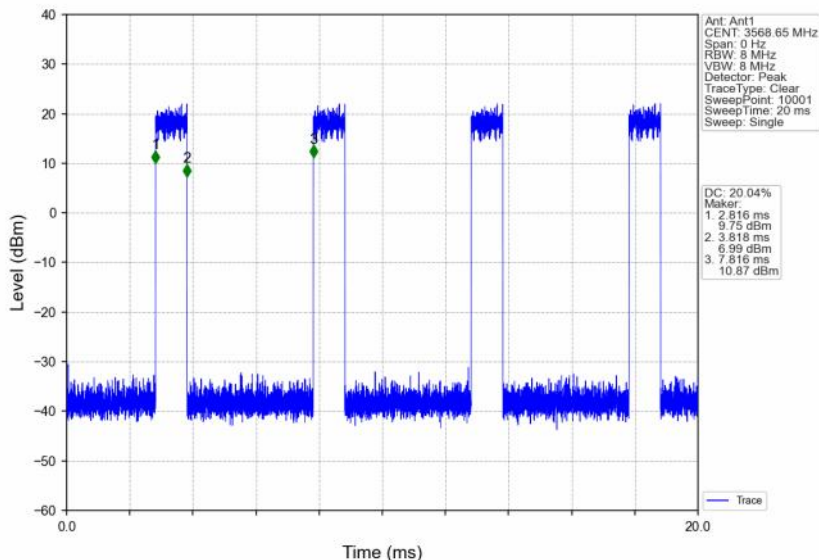
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n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_3560.01MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_3560.01MHz\_Inner\_1RB\_Right

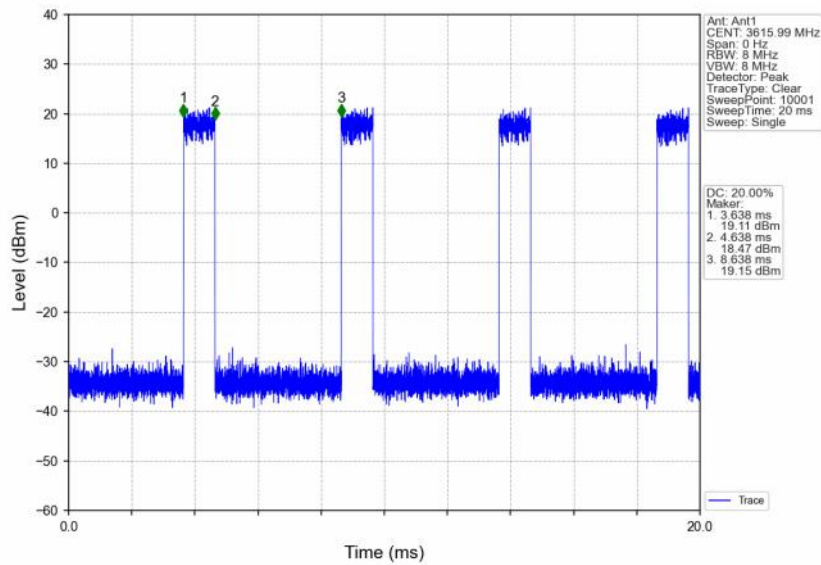


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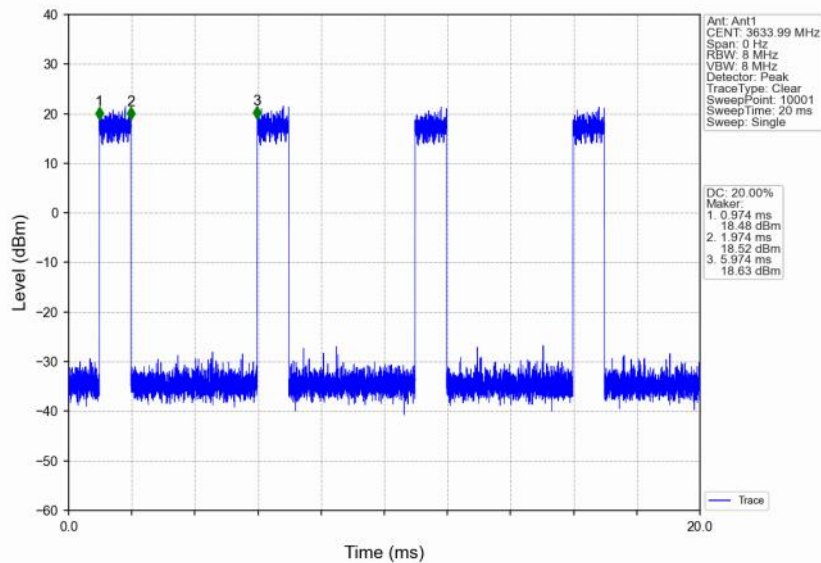
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n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_3624.99MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_3624.99MHz\_Edge\_1RB\_Right

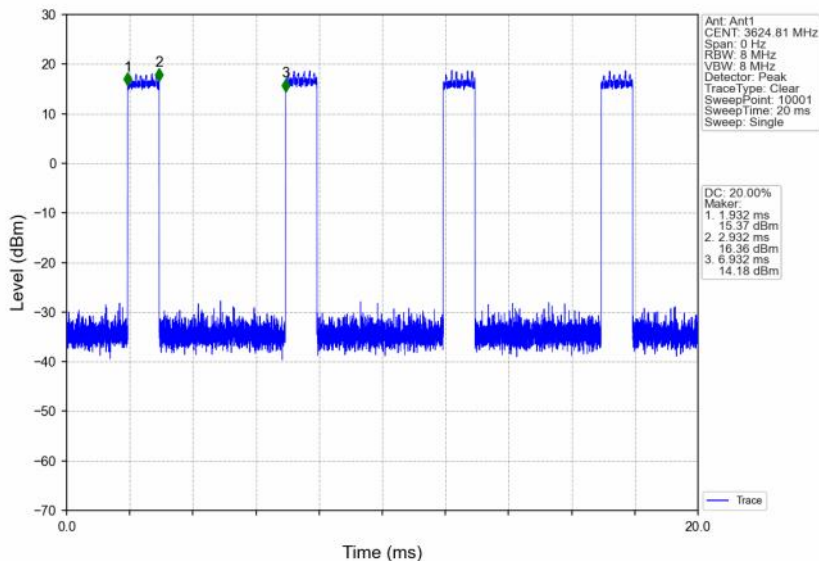


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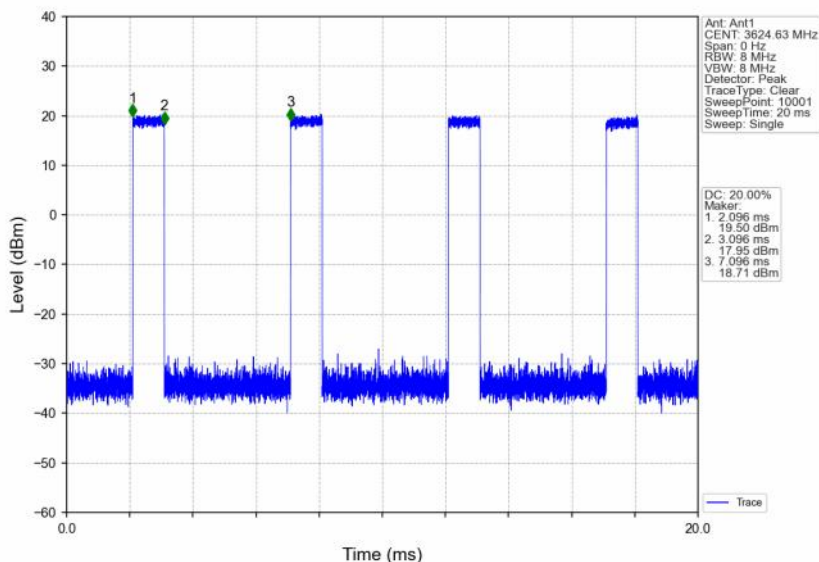
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n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_3624.99MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_3624.99MHz\_Inner\_Full

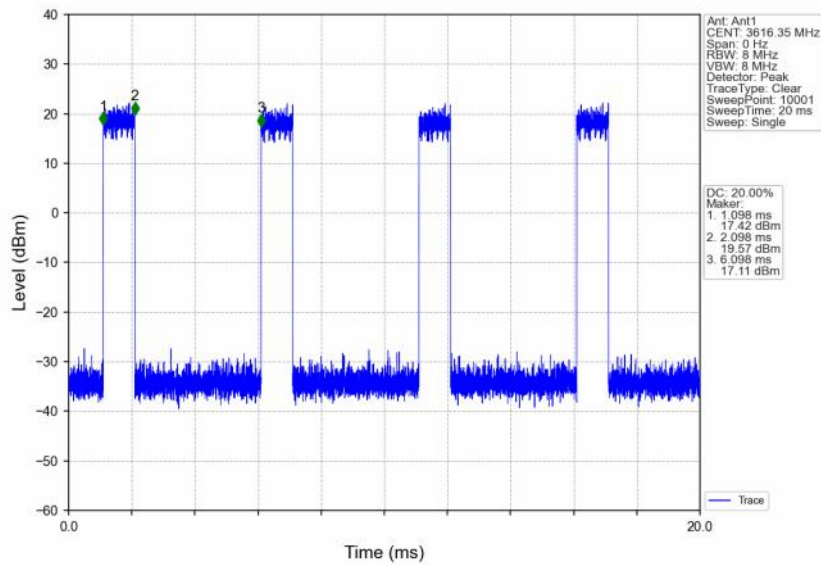


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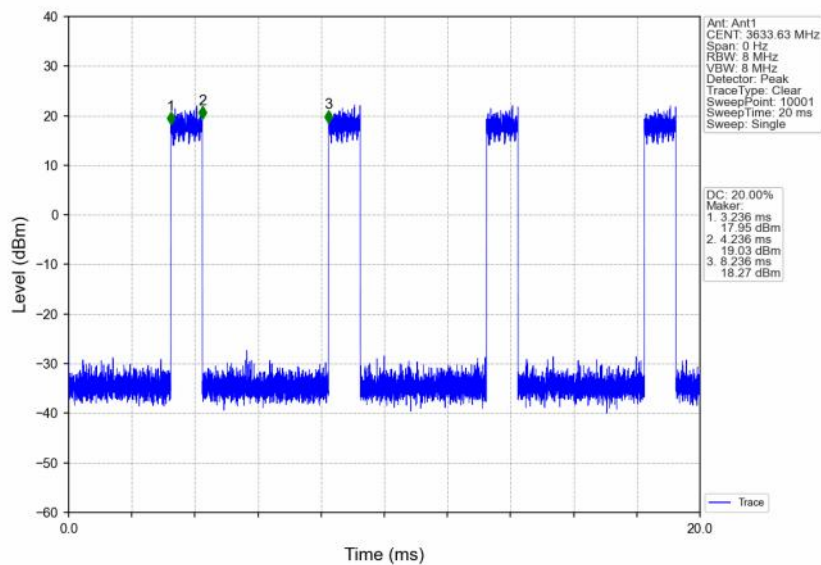
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n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_3624.99MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_3624.99MHz\_Inner\_1RB\_Right

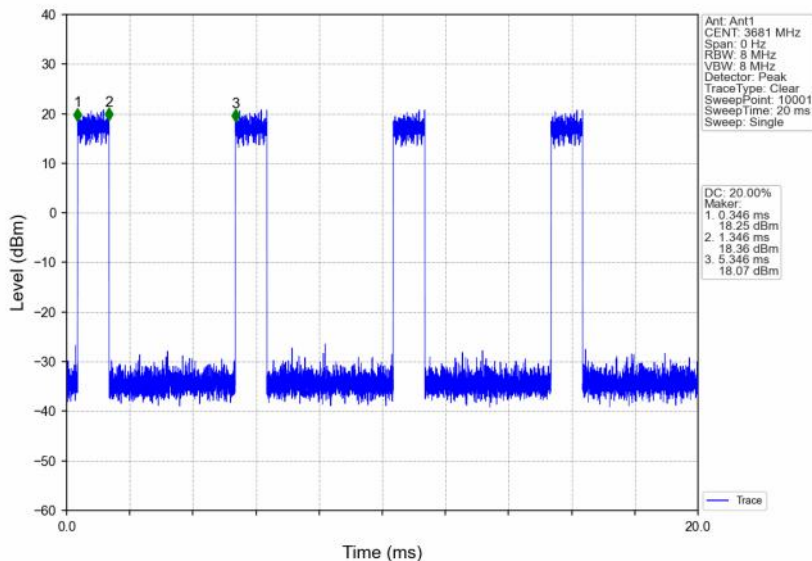


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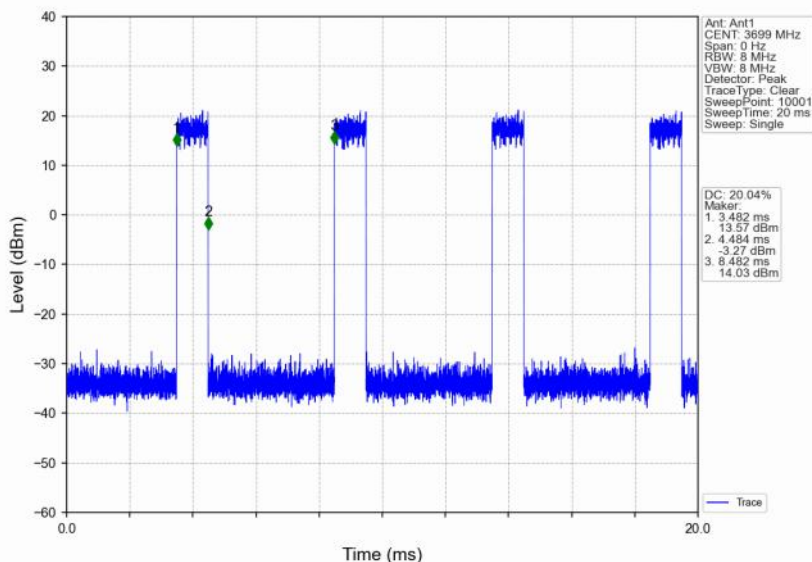
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n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_3690MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_3690MHz\_Edge\_1RB\_Right



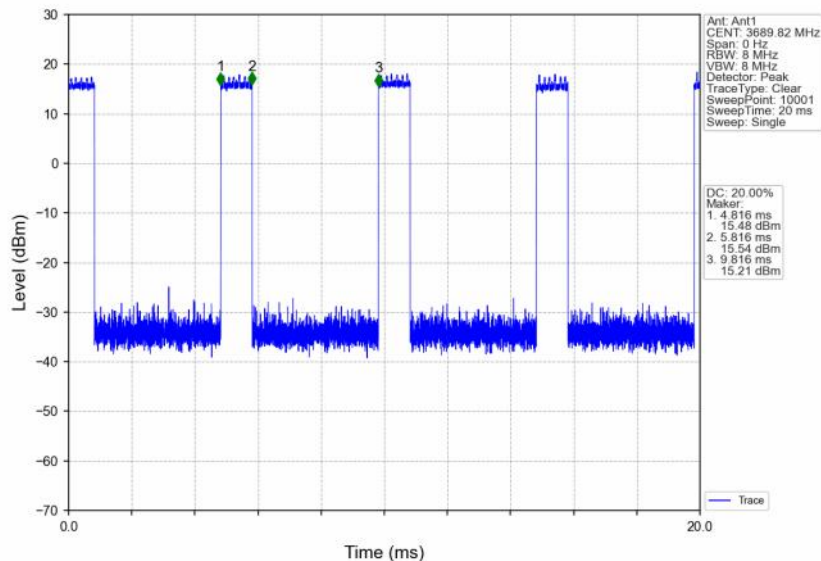
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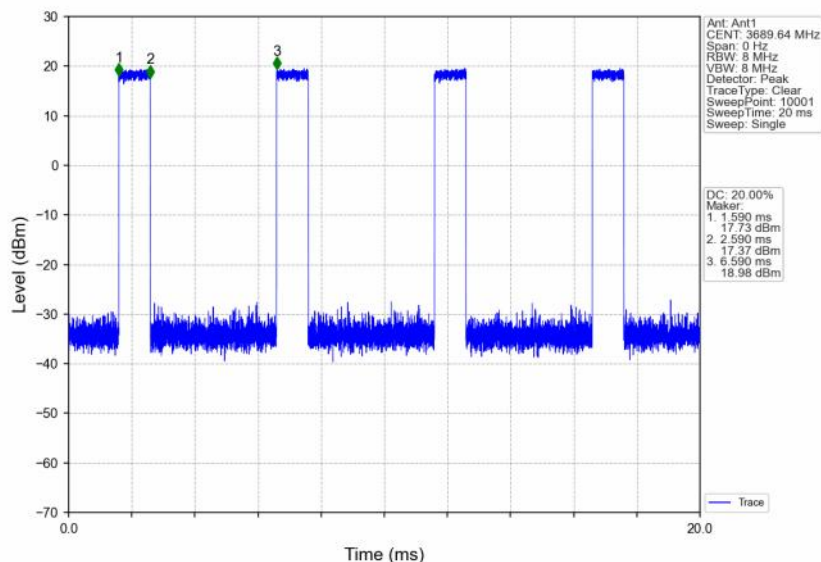
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n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_3690MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_3690MHz\_Inner\_Full



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