

Appendix for KSCR2210001943AT-FCC-NR48

1. Duty Cycle

1.1 30k\_MIMO\_10MHz\_NTNV

1.1.1 Test Result

5G NR n48 SCS=30kHz MIMO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
CP-OFDM QPSK	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	1.002	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
	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	1.002	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	1.002	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	1.000	5.000	20.00	6.99	0.00
CP-OFDM 16 QAM	3555	Edge_1RB_Left	1.000	5.000	20.00	6.99	0.03
		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	1.000	4.998	20.01	6.99	0.02
		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	0.03
		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	0.00
	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	0.04
		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
CP-OFDM 64 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	1.002	5.000	20.04	6.98	0.00
		Inner_Full	1.000	4.998	20.01	6.99	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	0.00

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	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	1.000	5.000	20.00	6.99	0.00
		Outer_Full	1.000	5.000	20.00	6.99	0.03
		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	1.000	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	0.03
		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
		CP-OFDM 256 QAM	3555	Edge_1RB_Left	1.002	5.000	20.04
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
3624.99	Edge_1RB_Left			1.002	5.000	20.04	6.98
	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	0.03
	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
	3694.98		Edge_1RB_Left	1.000	5.000	20.00	6.99
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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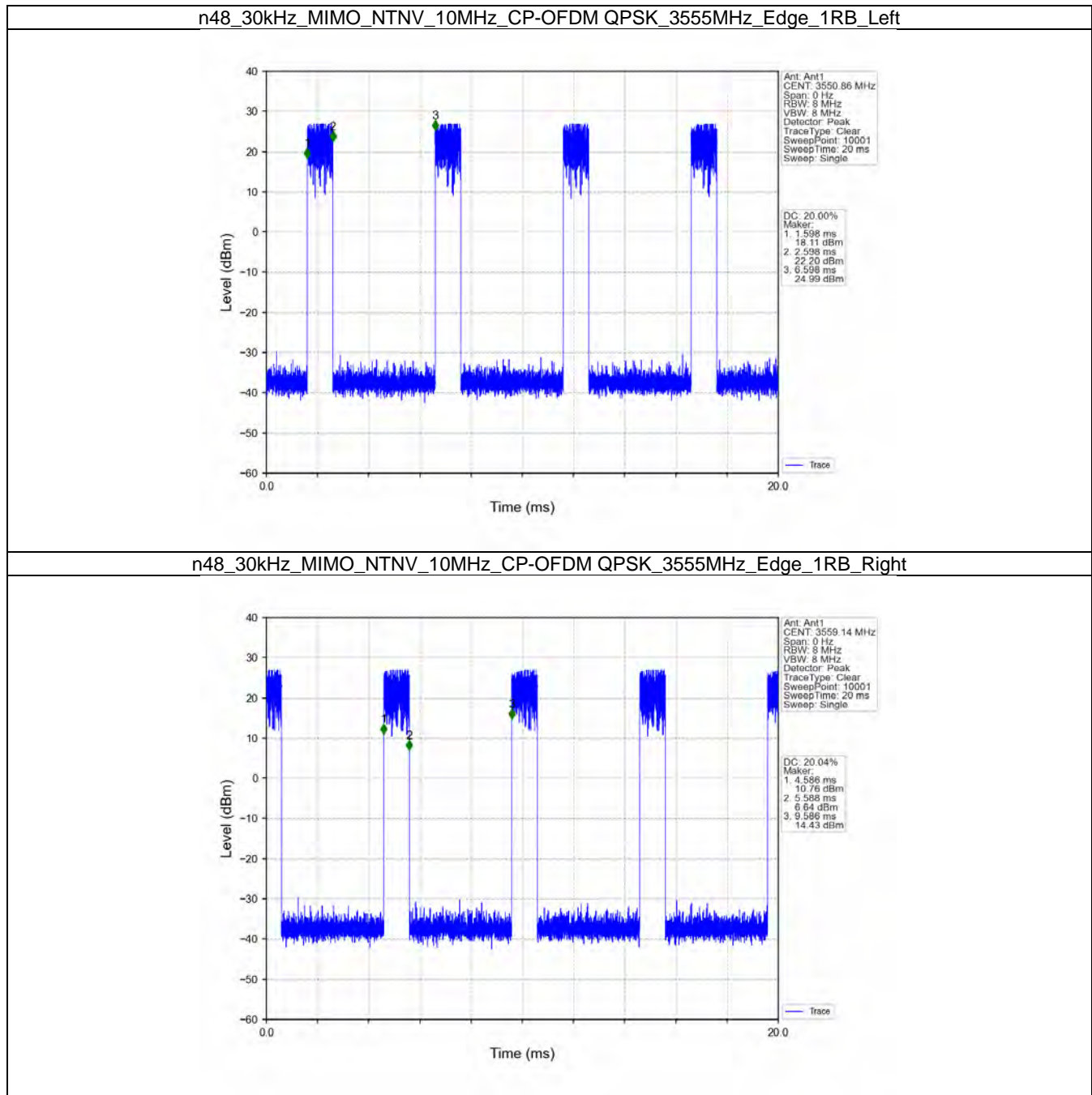
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1.1.2 Test Graph



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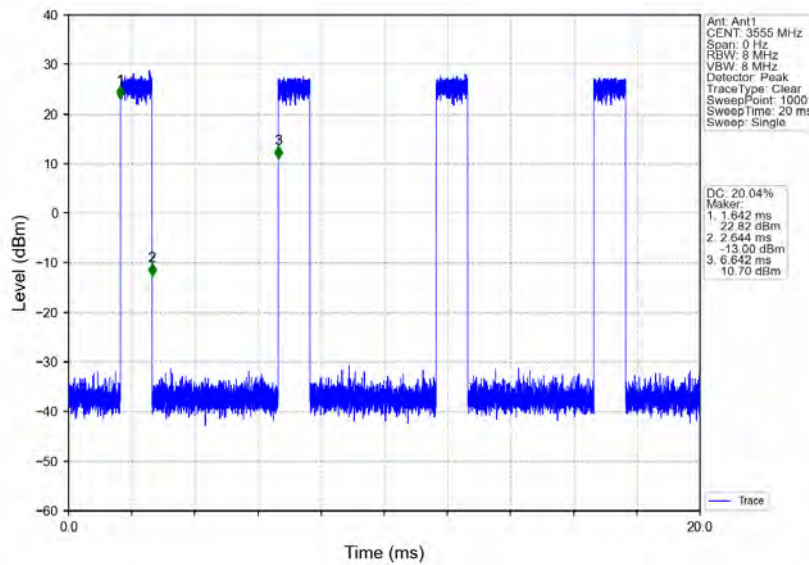
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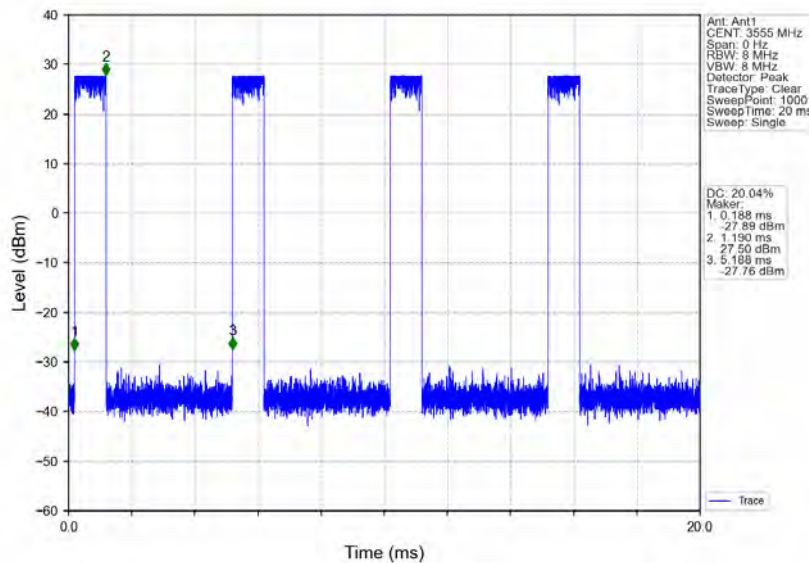
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n48\_30kHz\_MIMO\_NTNV\_10MHz\_CP-OFDM QPSK\_3555MHz\_Outer\_Full



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



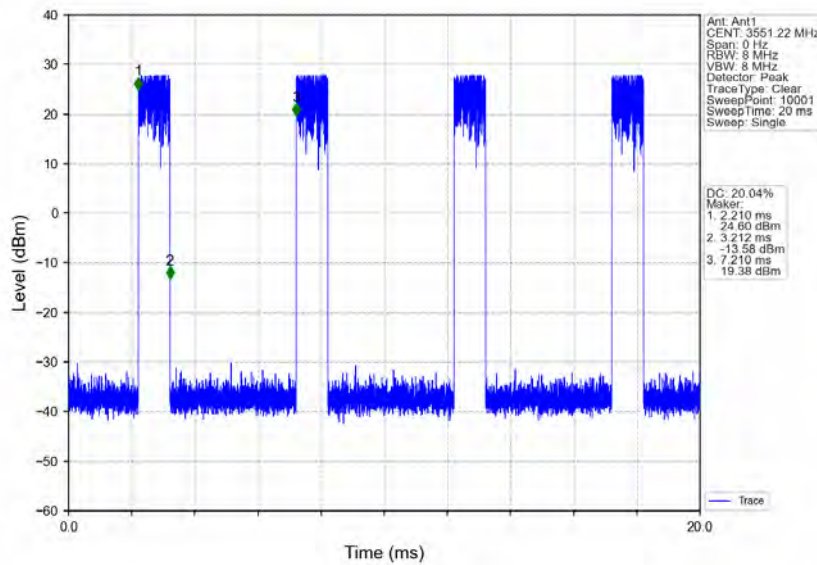
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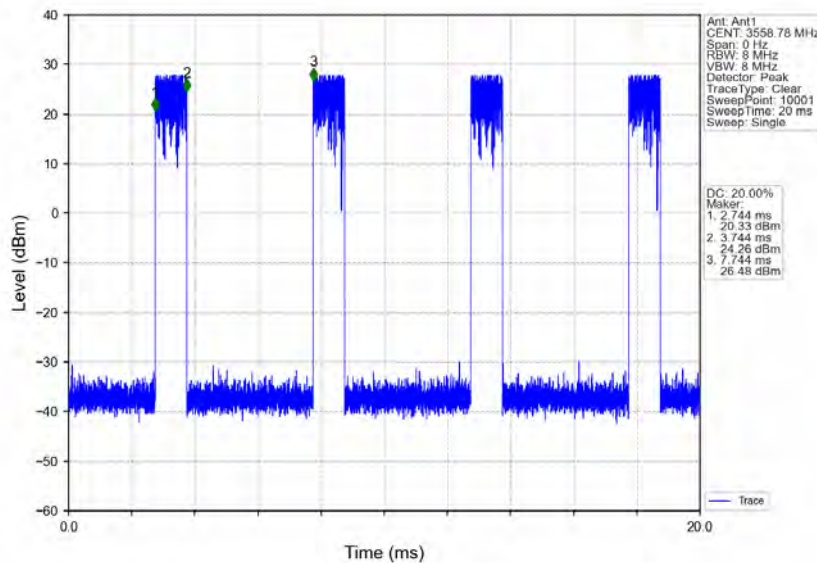
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n48\_30kHz\_MIMO\_NTNV\_10MHz\_CP-OFDM QPSK\_3555MHz\_Inner\_1RB\_Left



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



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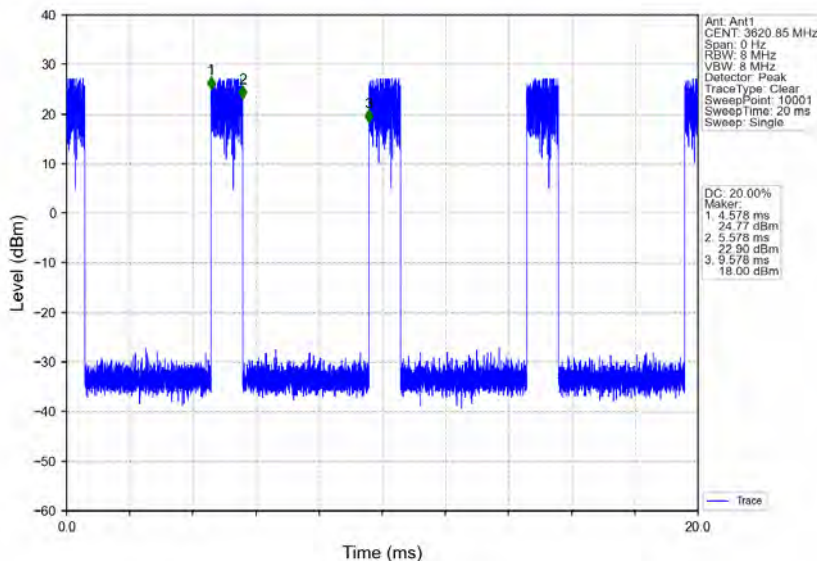
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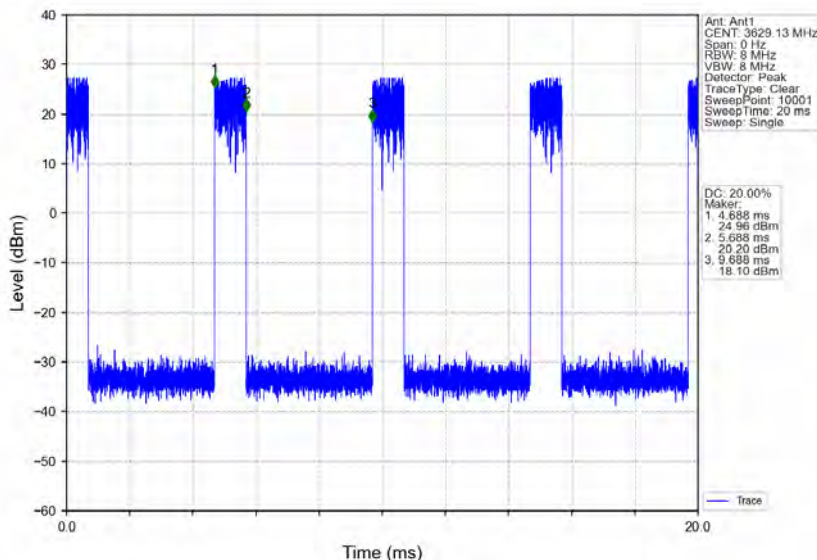
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n48\_30kHz\_MIMO\_NTNV\_10MHz\_CP-OFDM QPSK\_3624.99MHz\_Edge\_1RB\_Left



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



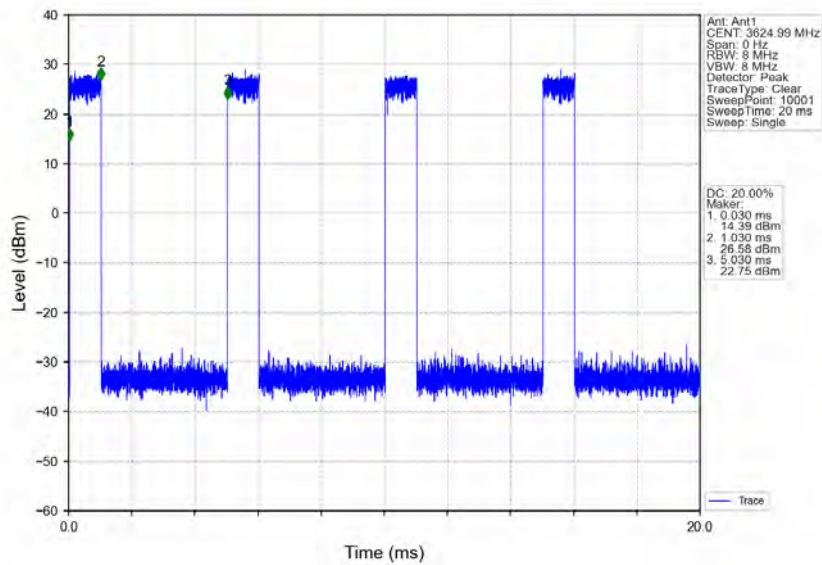
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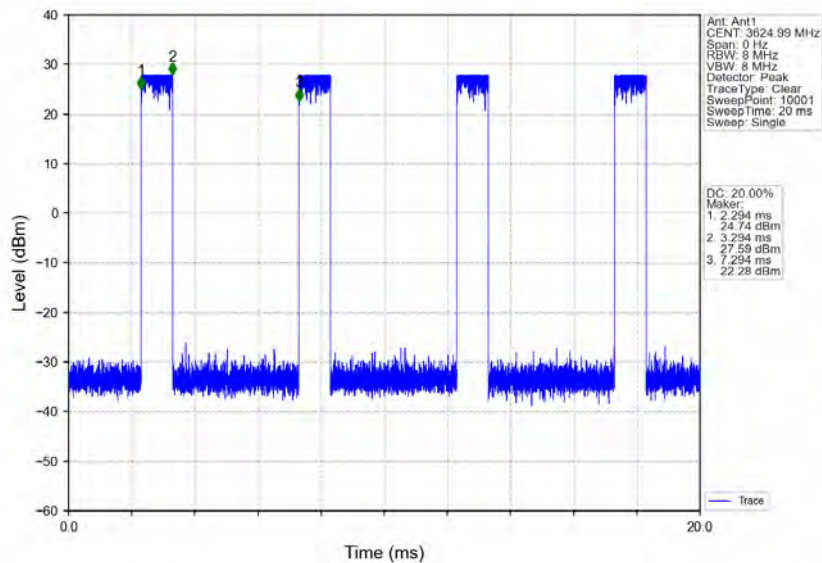
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n48\_30kHz\_MIMO\_NTNV\_10MHz\_CP-OFDM QPSK\_3624.99MHz\_Outer\_Full



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



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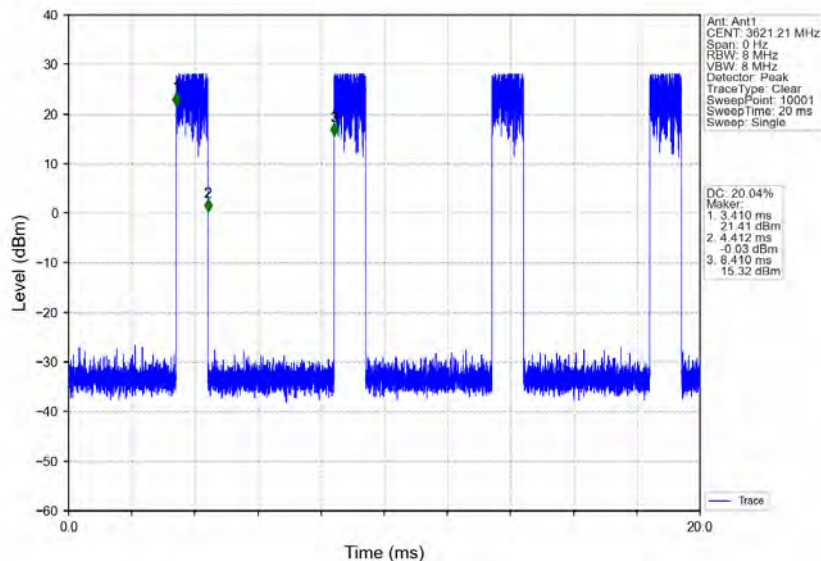
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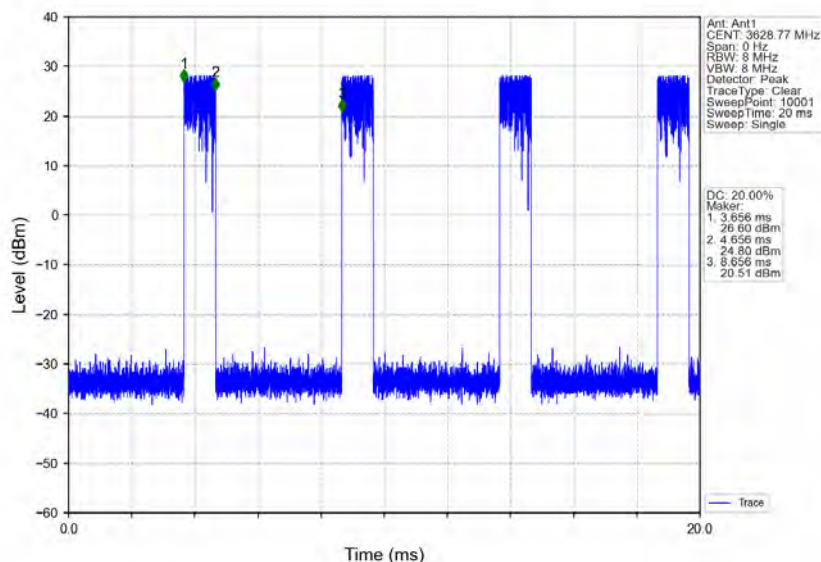
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n48\_30kHz\_MIMO\_NTNV\_10MHz\_CP-OFDM QPSK\_3624.99MHz\_Inner\_1RB\_Left



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



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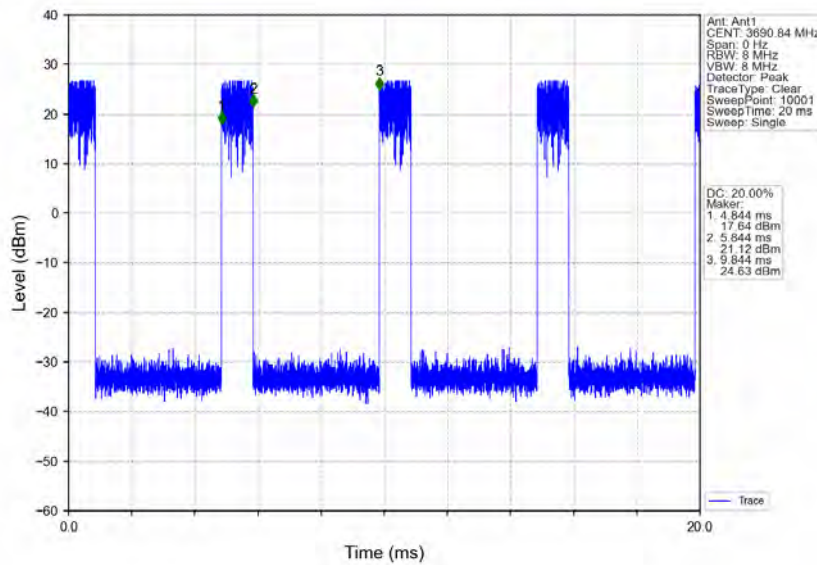
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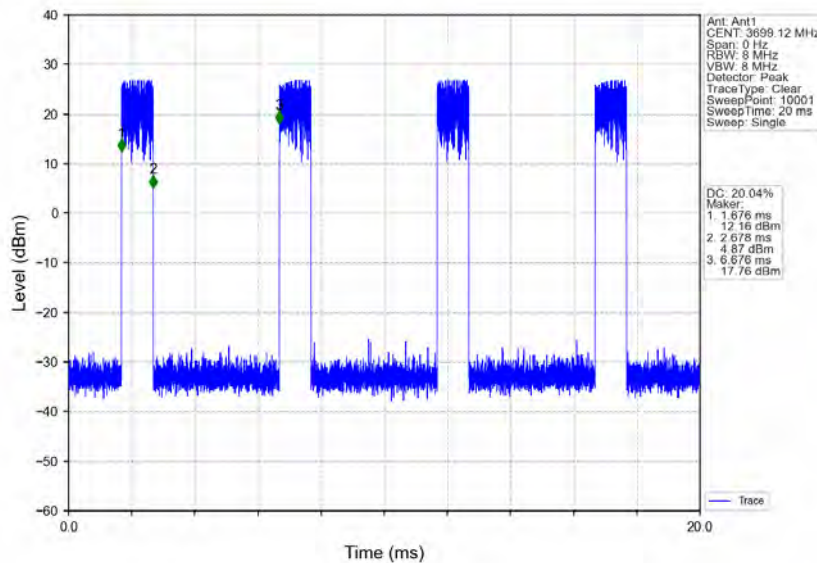
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n48\_30kHz\_MIMO\_NTNV\_10MHz\_CP-OFDM QPSK\_3694.98MHz\_Edge\_1RB\_Left



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



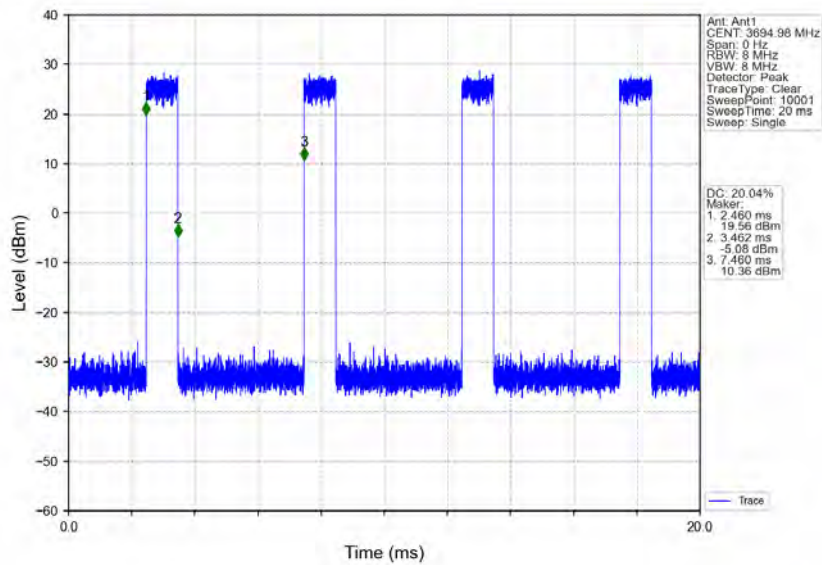
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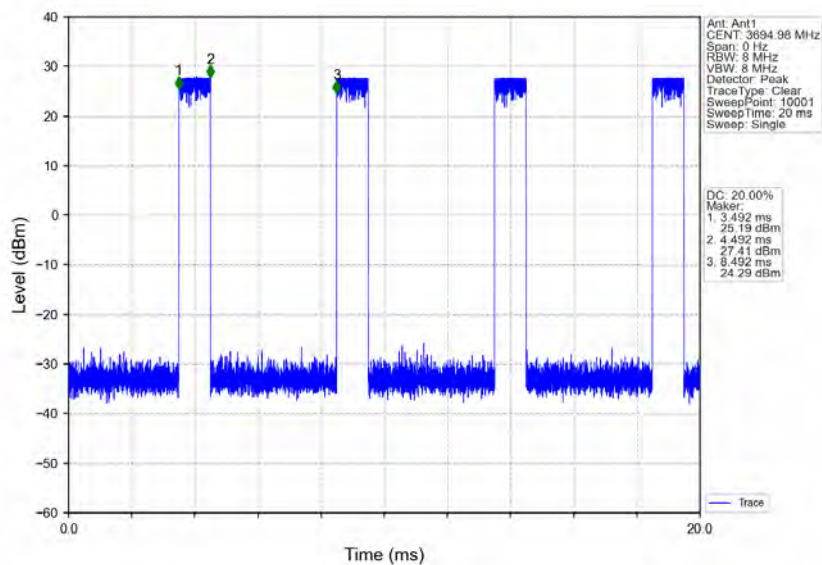
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n48\_30kHz\_MIMO\_NTNV\_10MHz\_CP-OFDM QPSK\_3694.98MHz\_Outer\_Full



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



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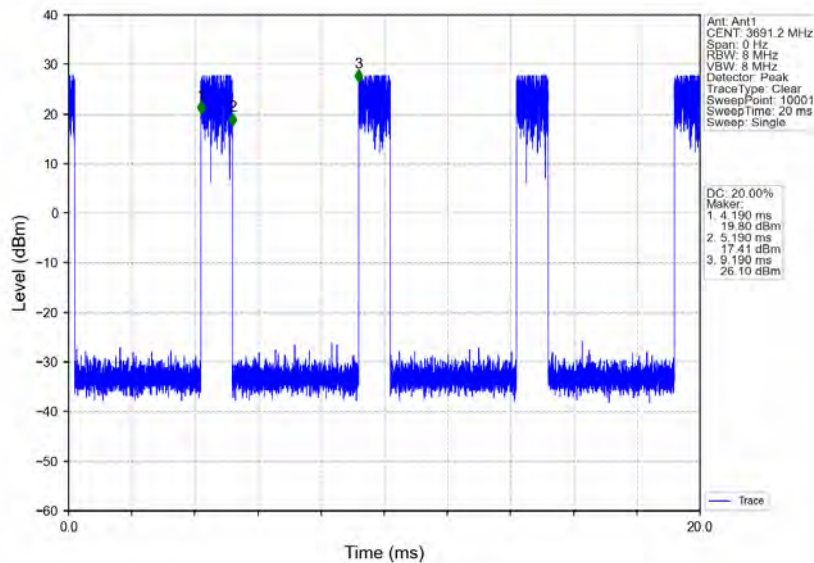
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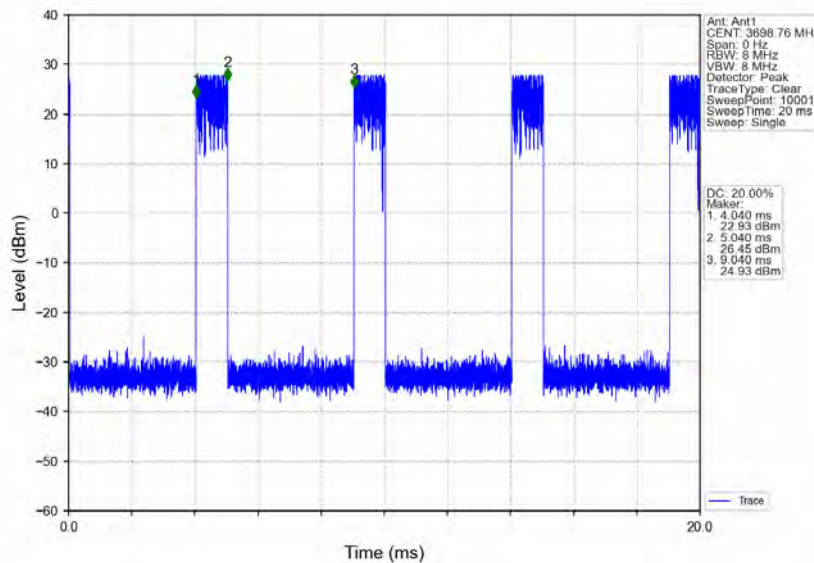
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n48\_30kHz\_MIMO\_NTNV\_10MHz\_CP-OFDM QPSK\_3694.98MHz\_Inner\_1RB\_Left



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



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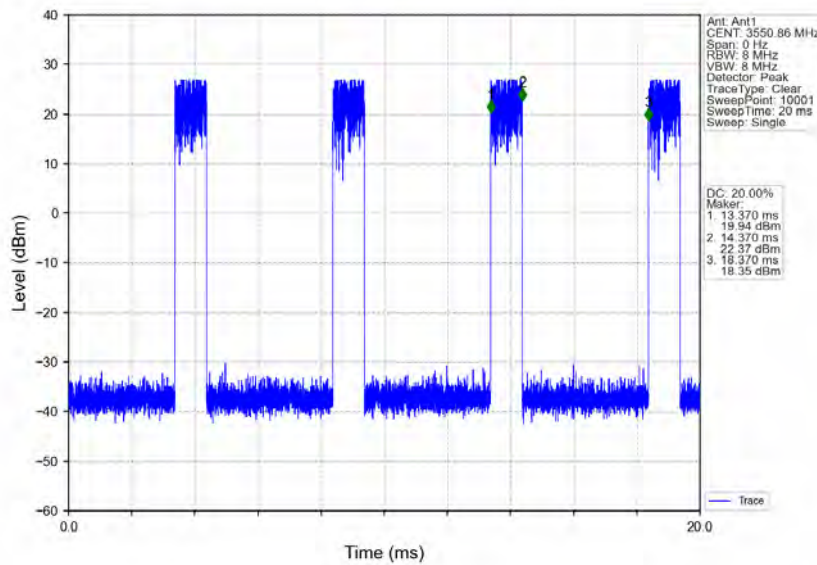
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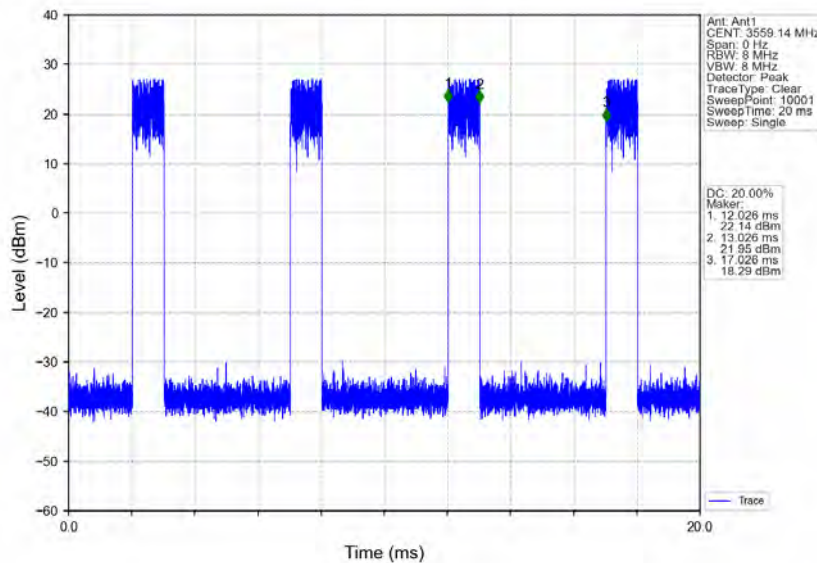
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n48\_30kHz\_MIMO\_NTNV\_10MHz\_CP-OFDM\_16 QAM\_3555MHz\_Edge\_1RB\_Left



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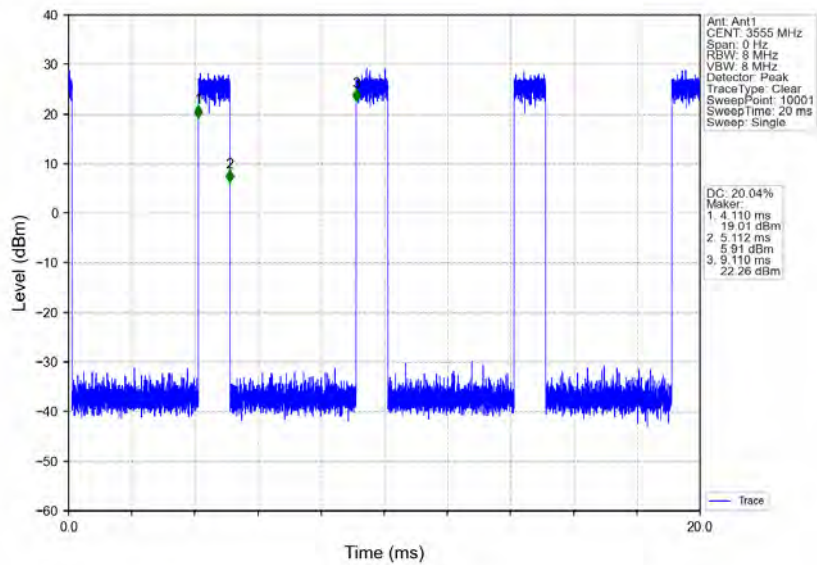
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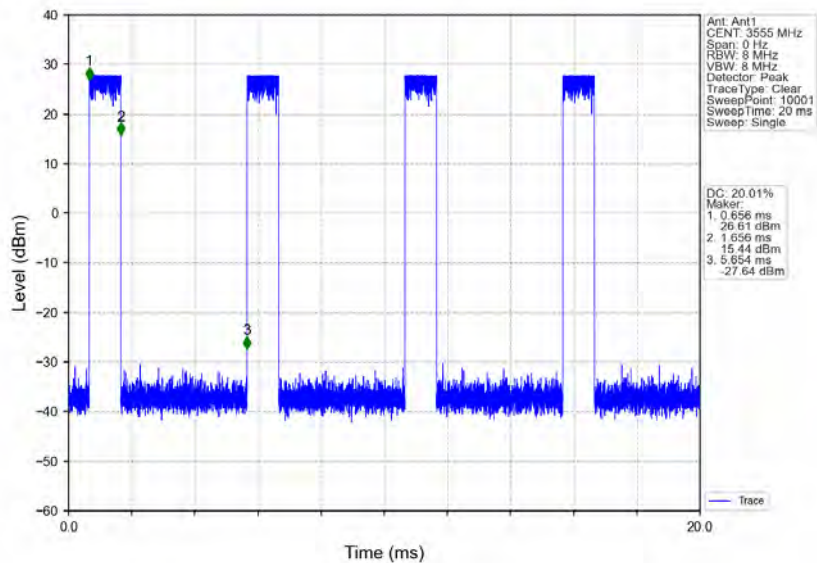
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n48\_30kHz\_MIMO\_NTNV\_10MHz\_CP-OFDM\_16 QAM\_3555MHz\_Outer\_Full



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



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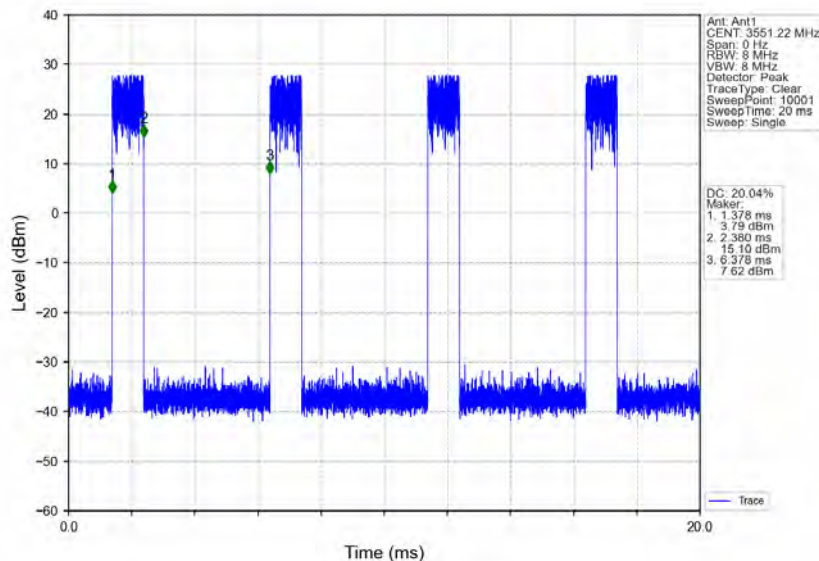
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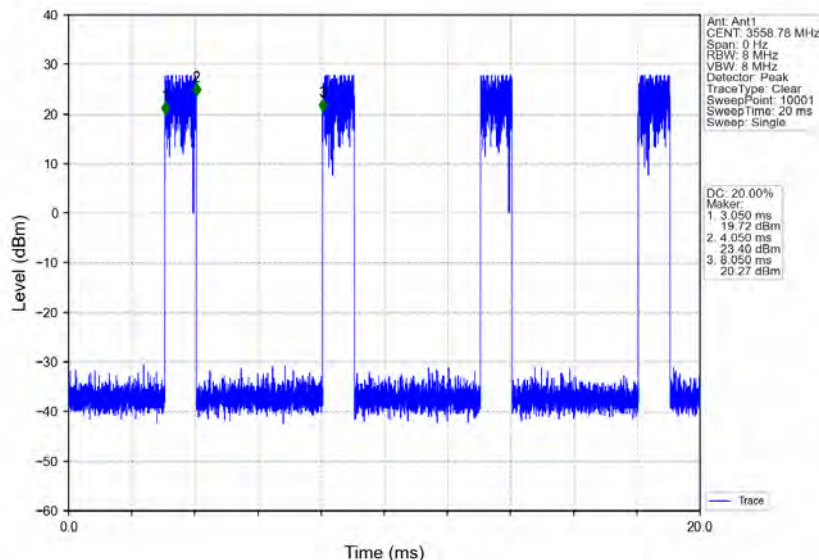
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n48\_30kHz\_MIMO\_NTNV\_10MHz\_CP-OFDM\_16 QAM\_3555MHz\_Inner\_1RB\_Left



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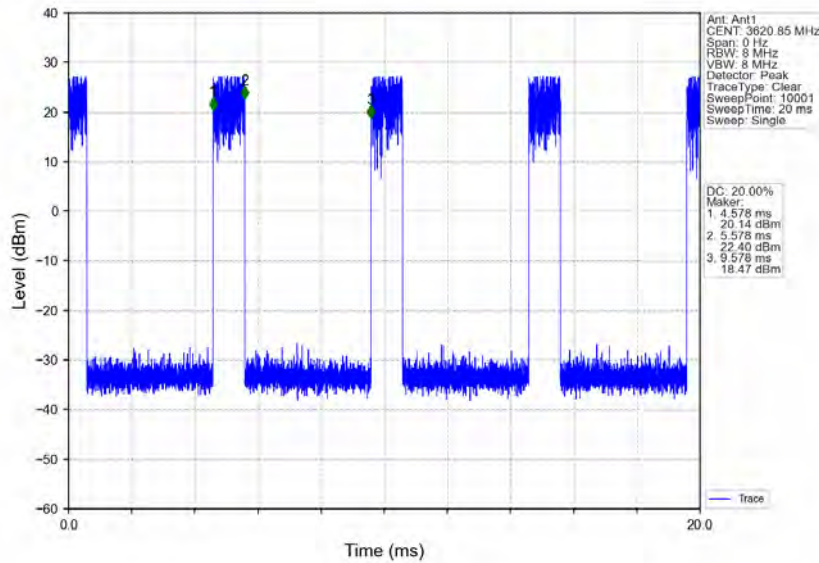
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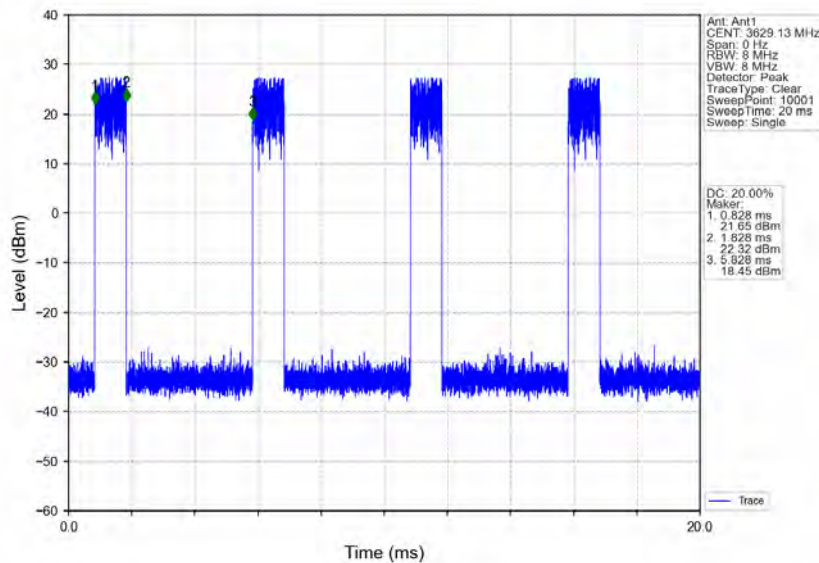
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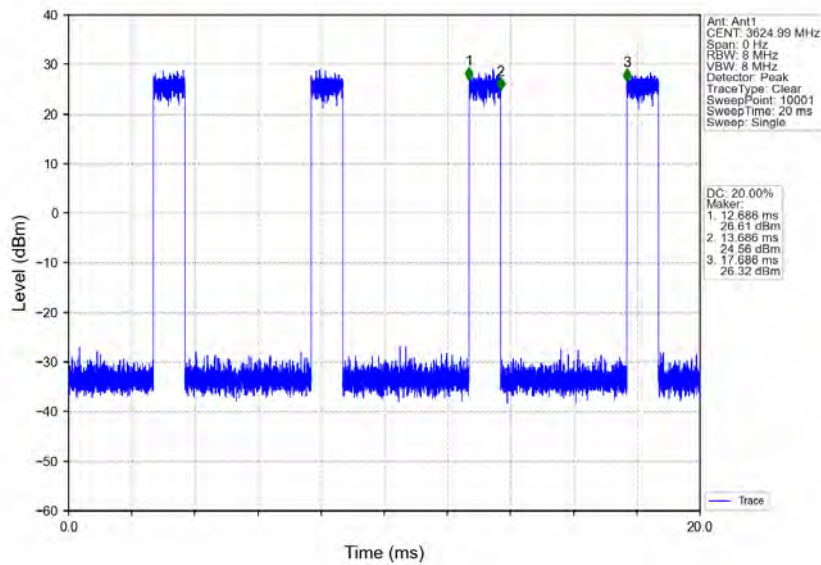
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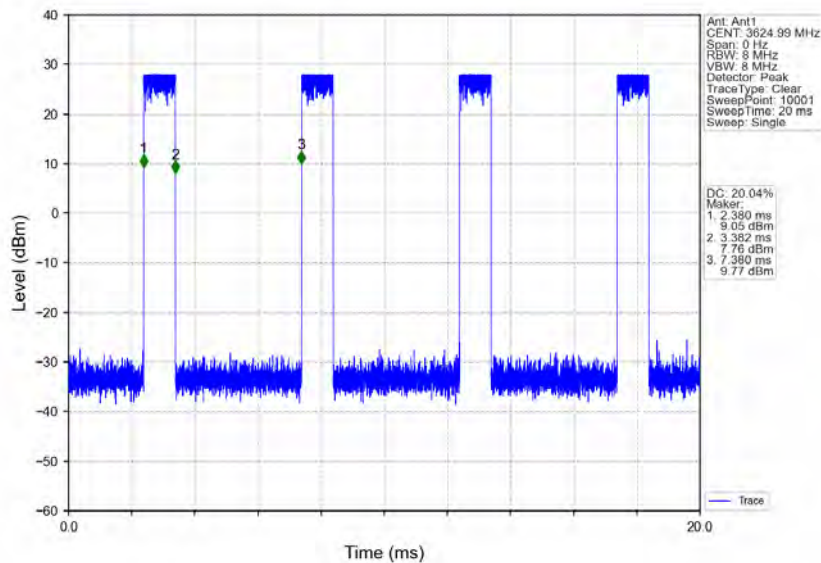
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n48\_30kHz\_MIMO\_NTNV\_10MHz\_CP-OFDM 16 QAM\_3624.99MHz\_Outer\_Full



n48\_30kHz\_MIMO\_NTNV\_10MHz\_CP-OFDM 16 QAM\_3624.99MHz\_Inner\_Full



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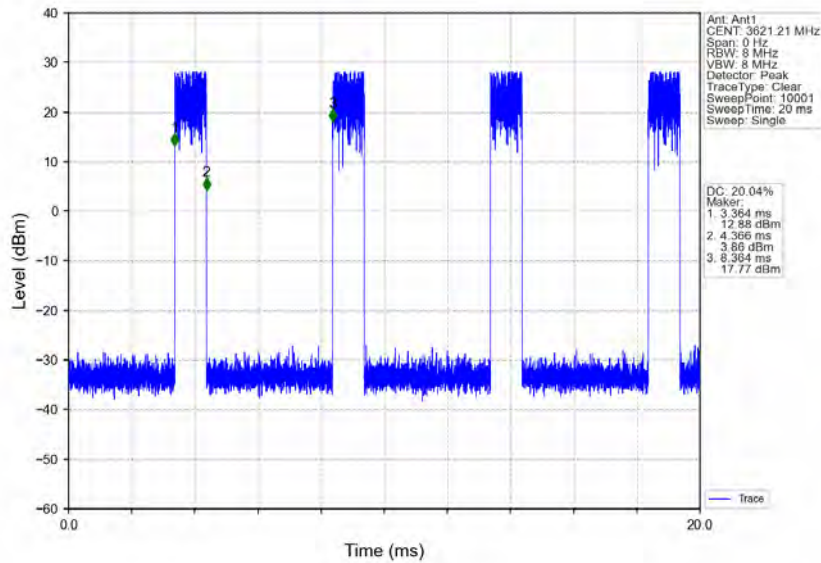
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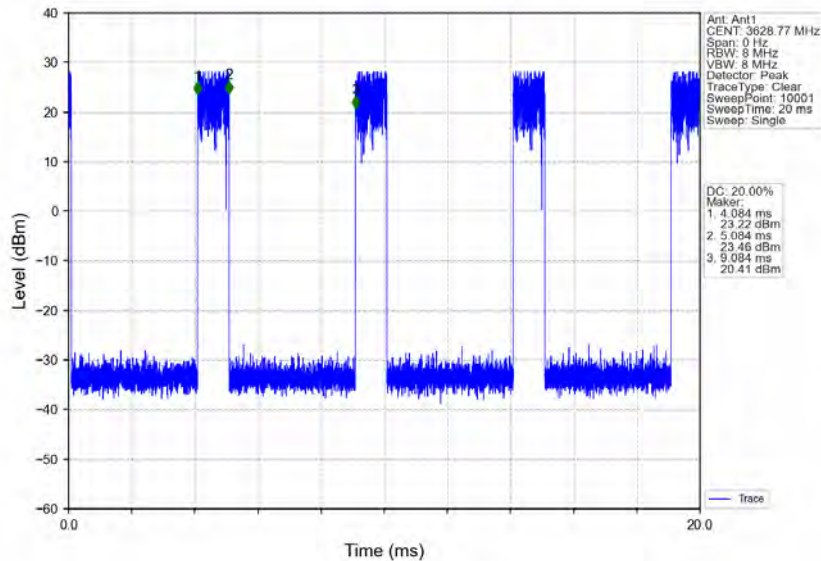
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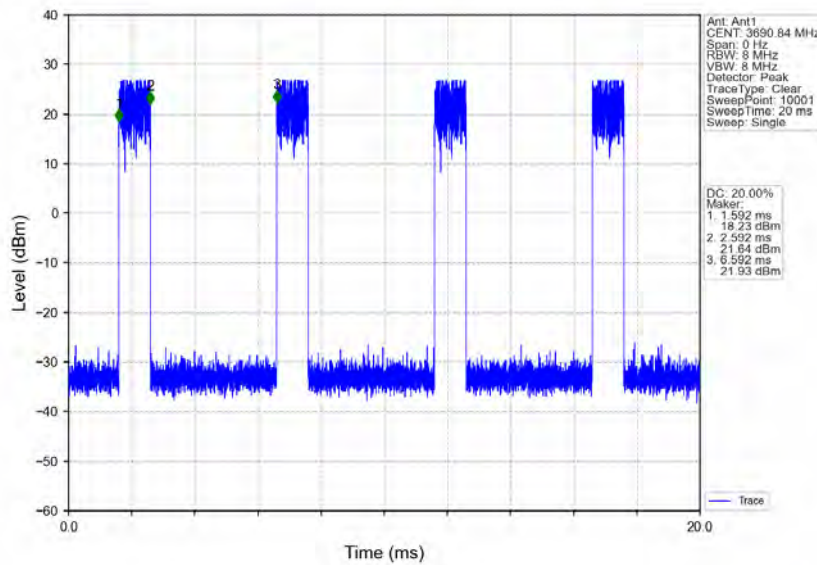
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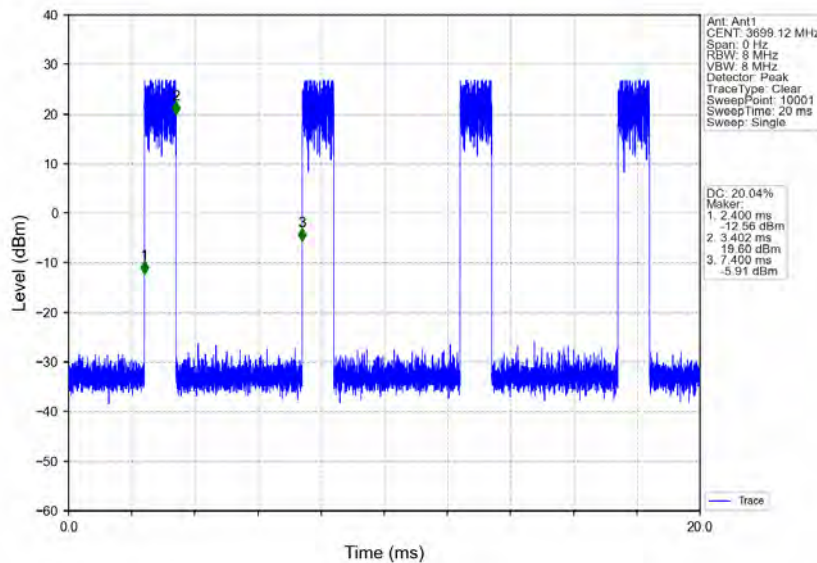
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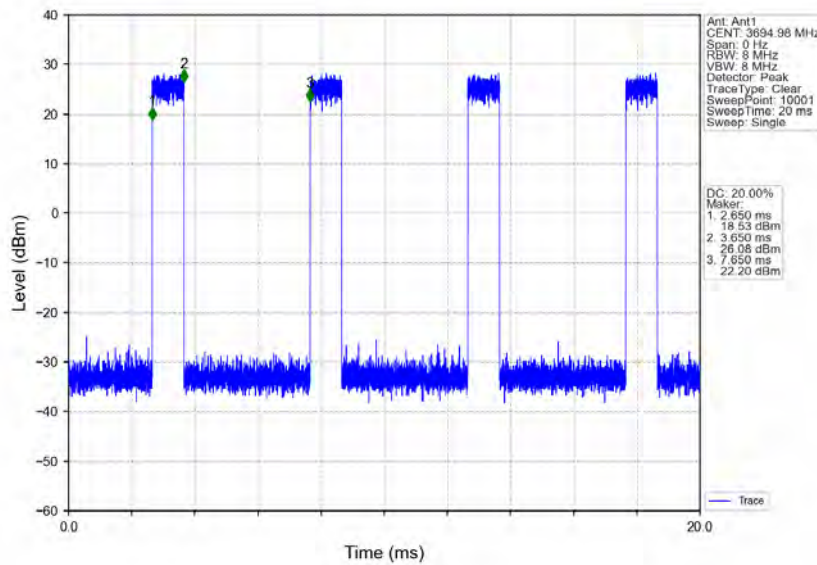


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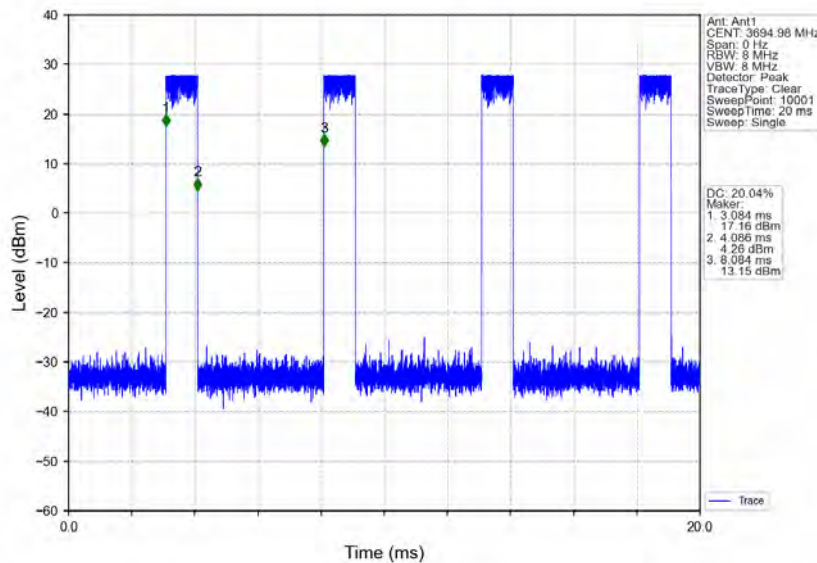
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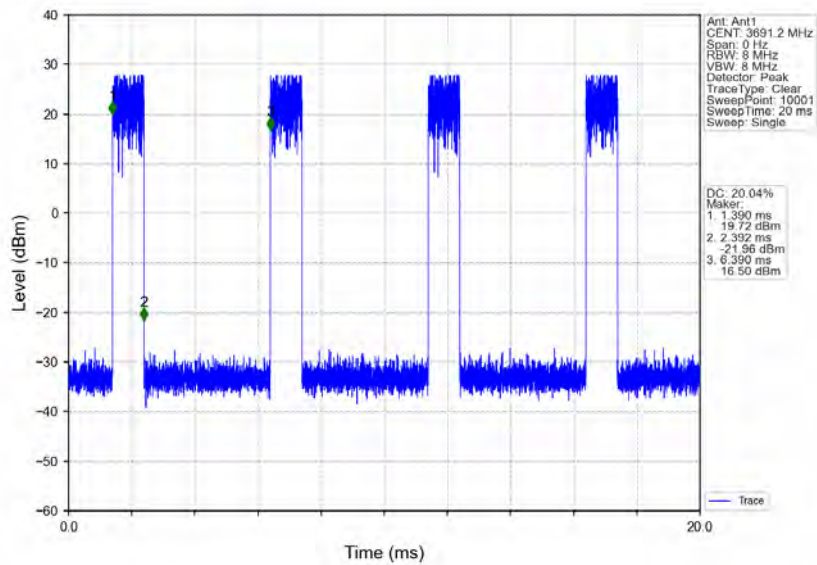
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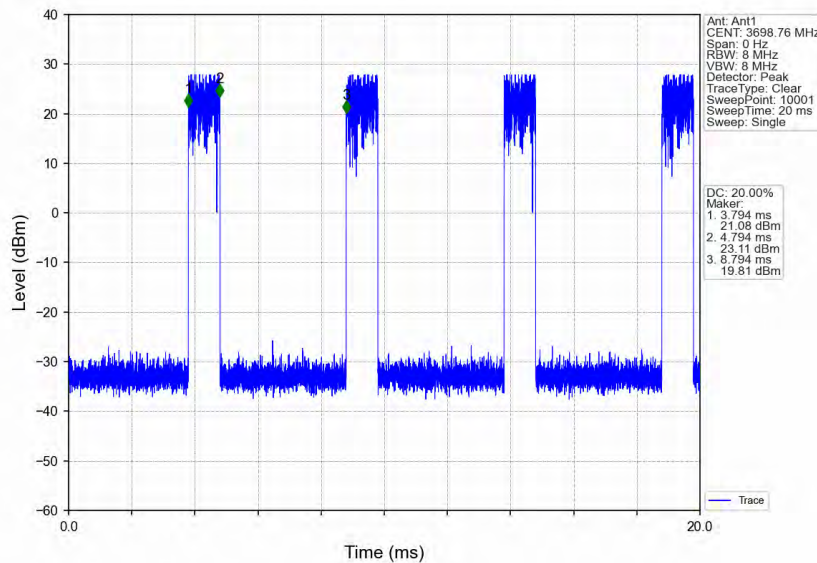
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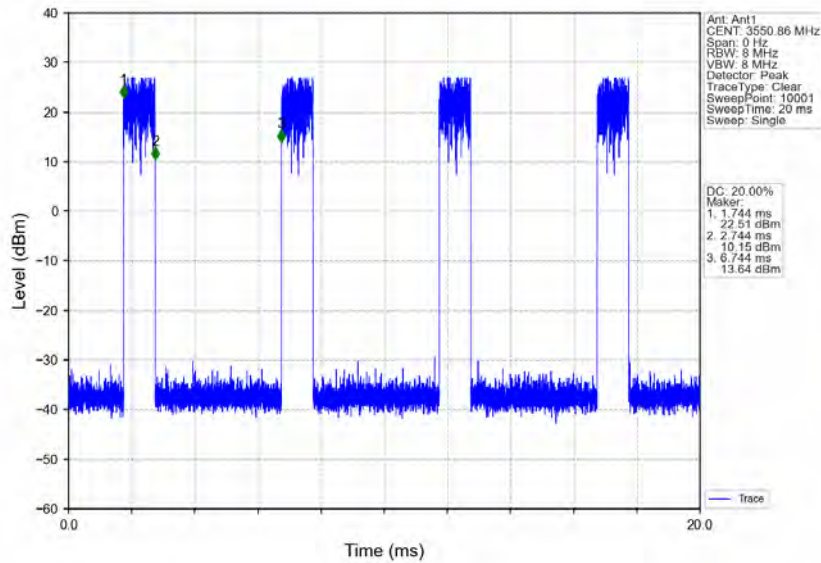
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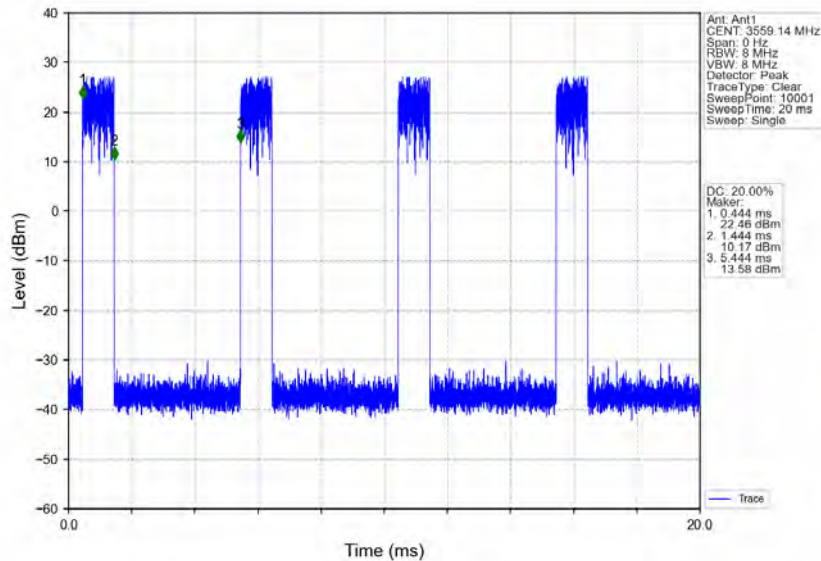
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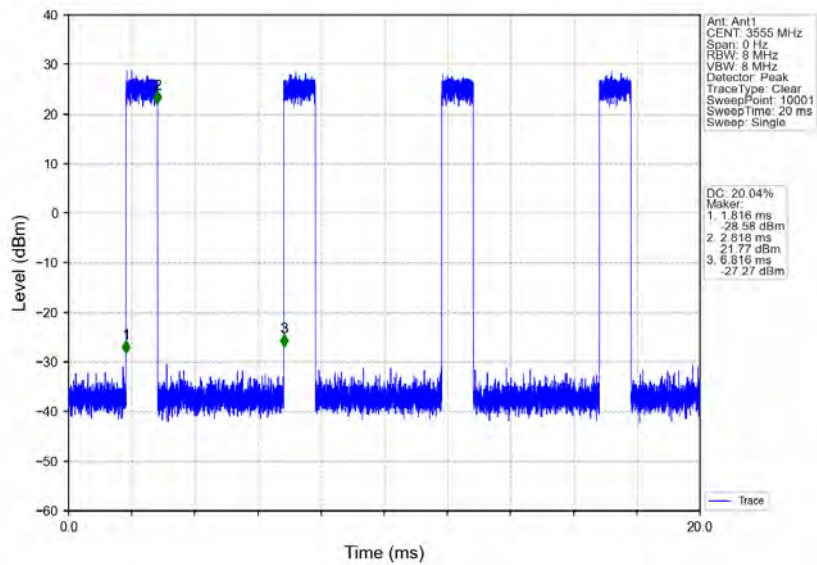
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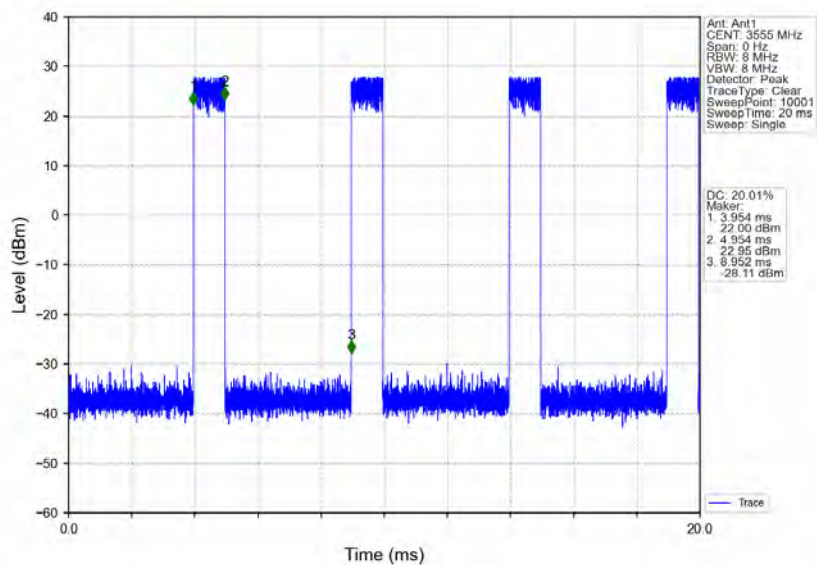
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n48\_30kHz\_MIMO\_NTNV\_10MHz\_CP-OFDM\_64\_QAM\_3555MHz\_Outer\_Full



n48\_30kHz\_MIMO\_NTNV\_10MHz\_CP-OFDM\_64\_QAM\_3555MHz\_Inner\_Full



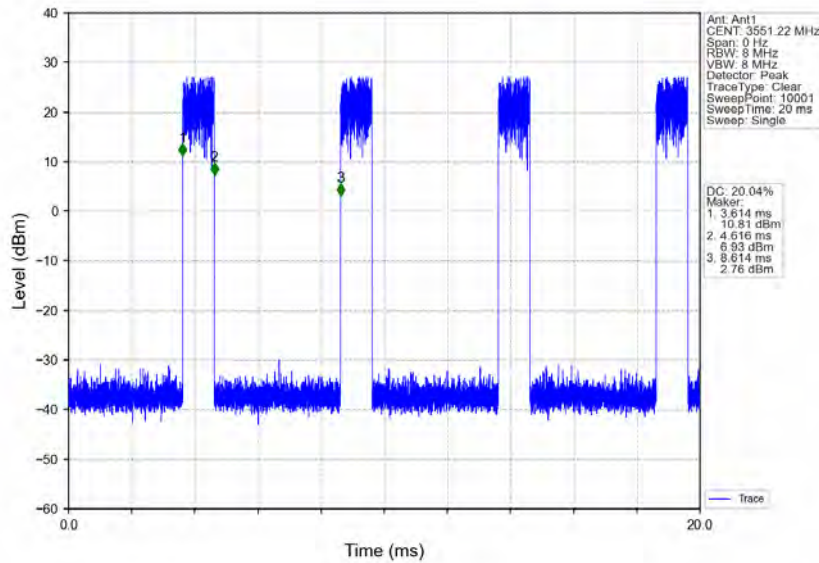
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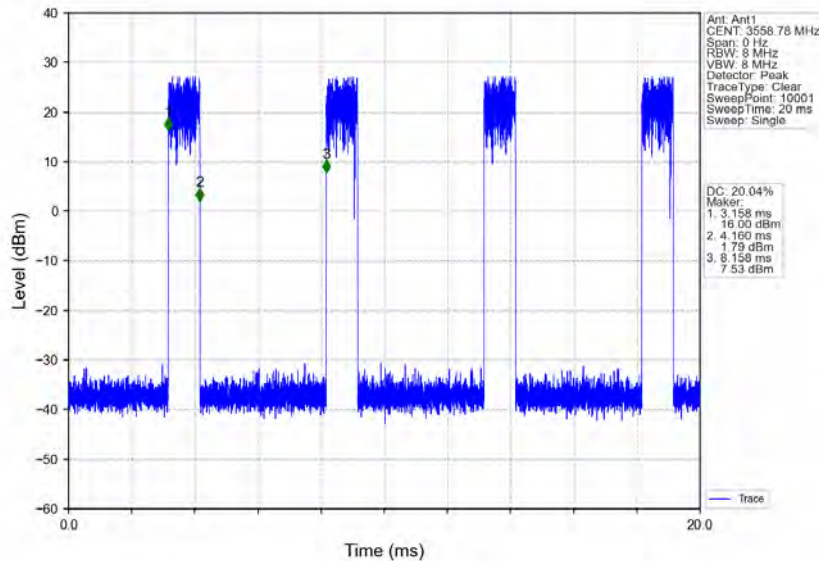
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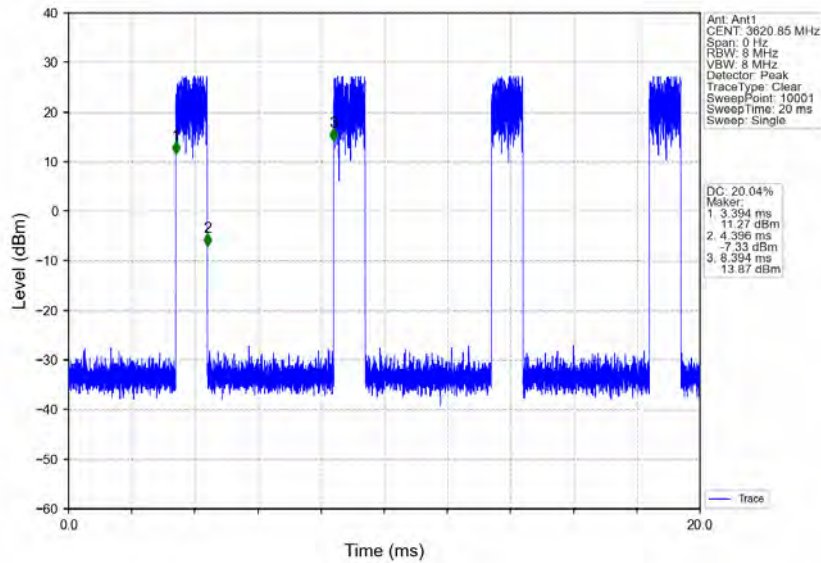
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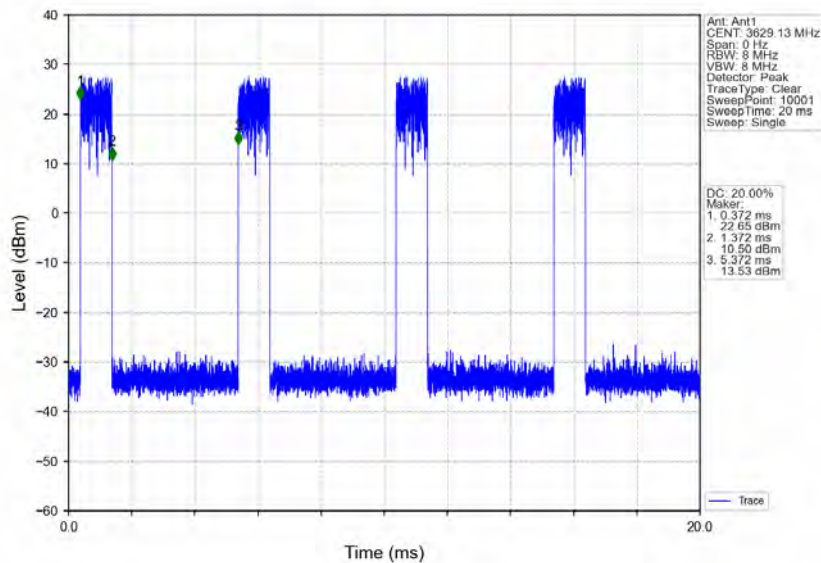
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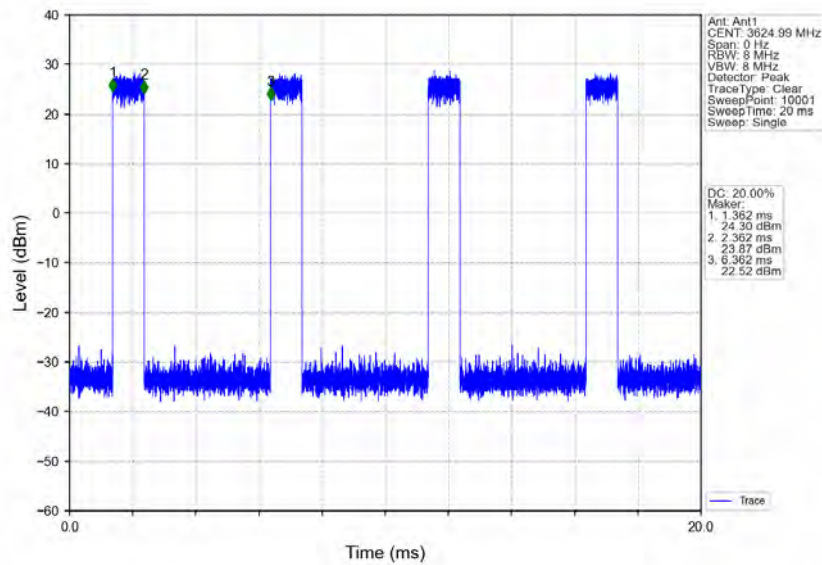
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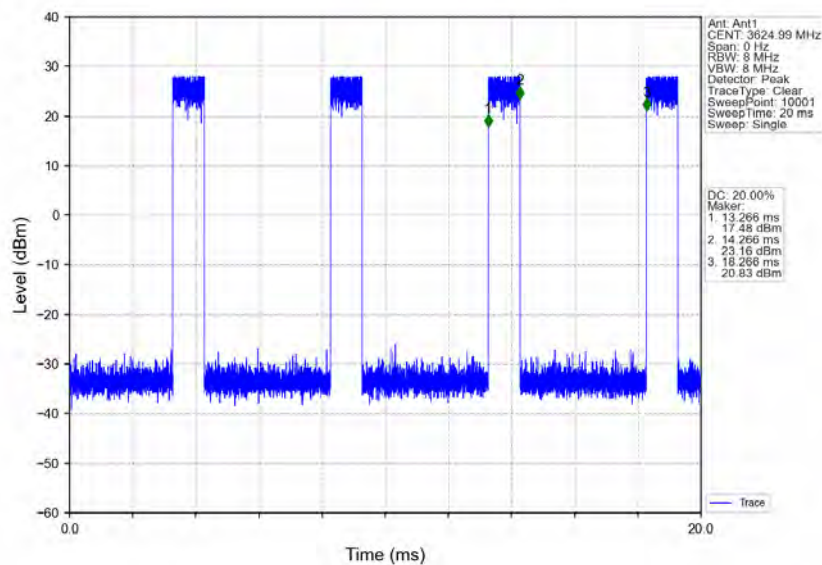
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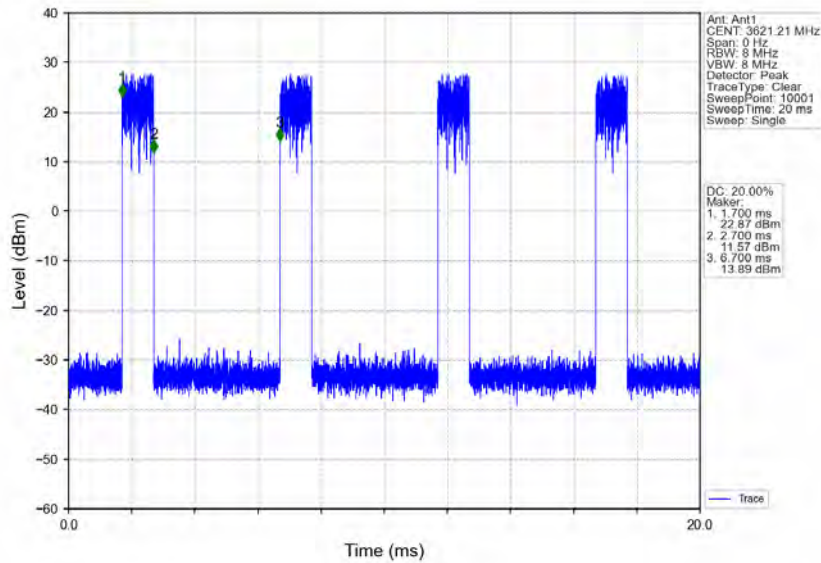
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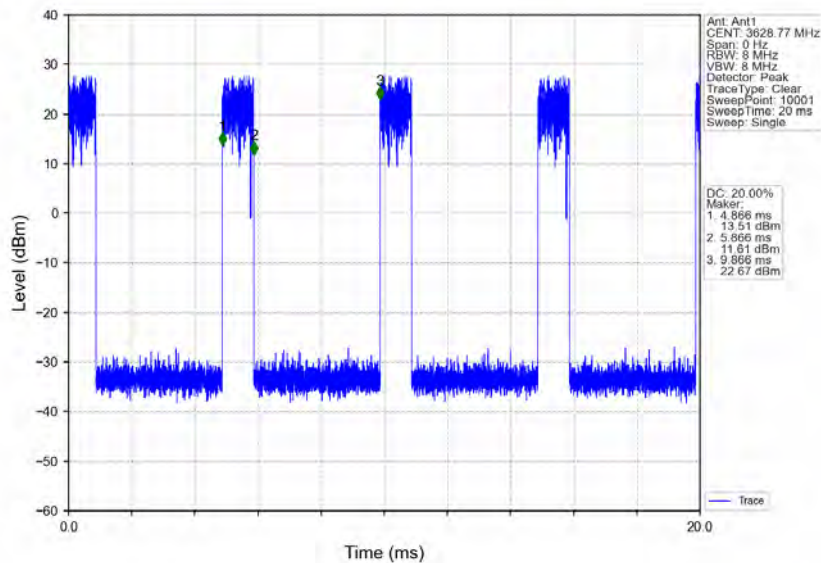
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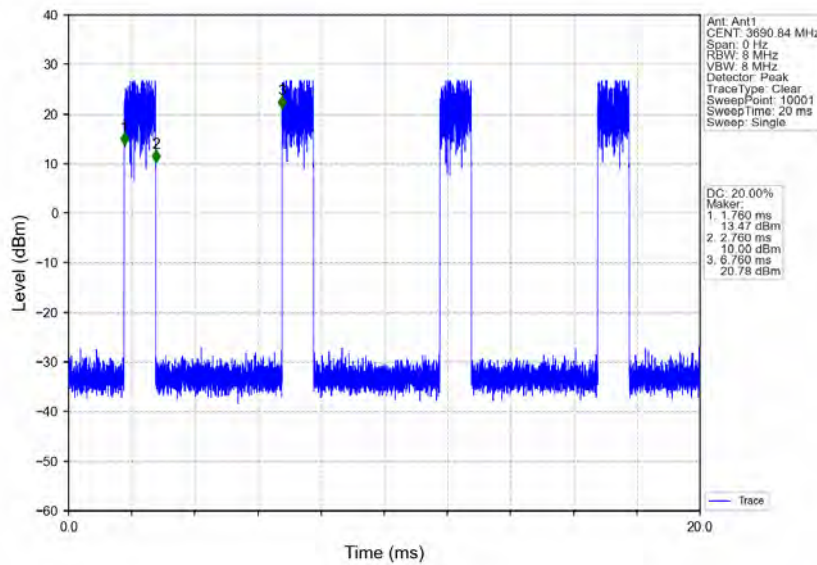
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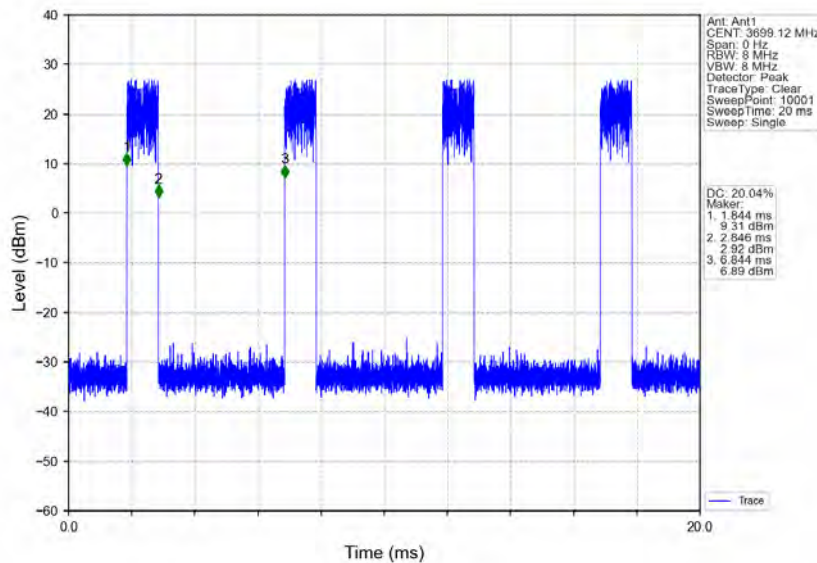
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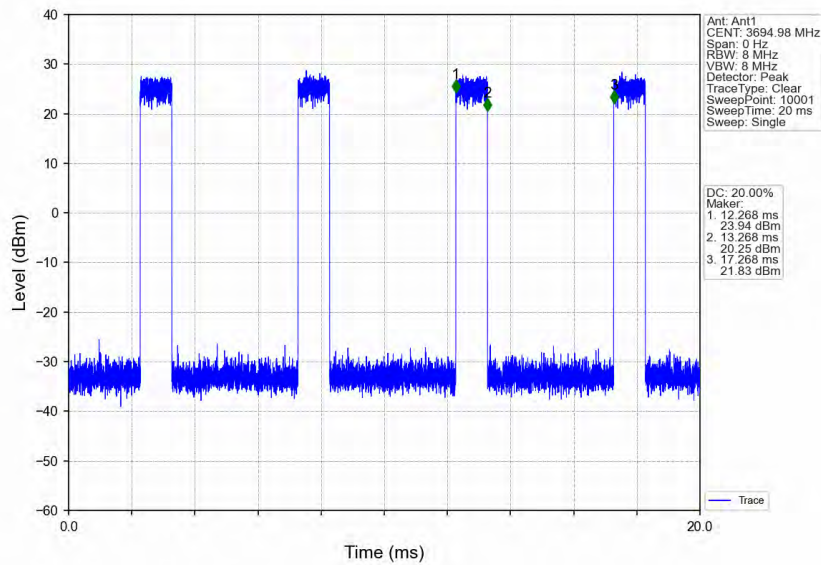
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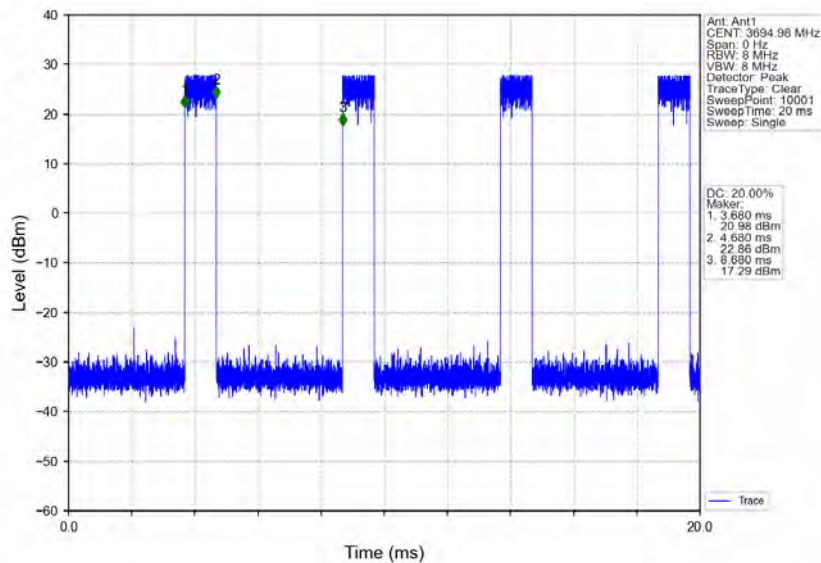
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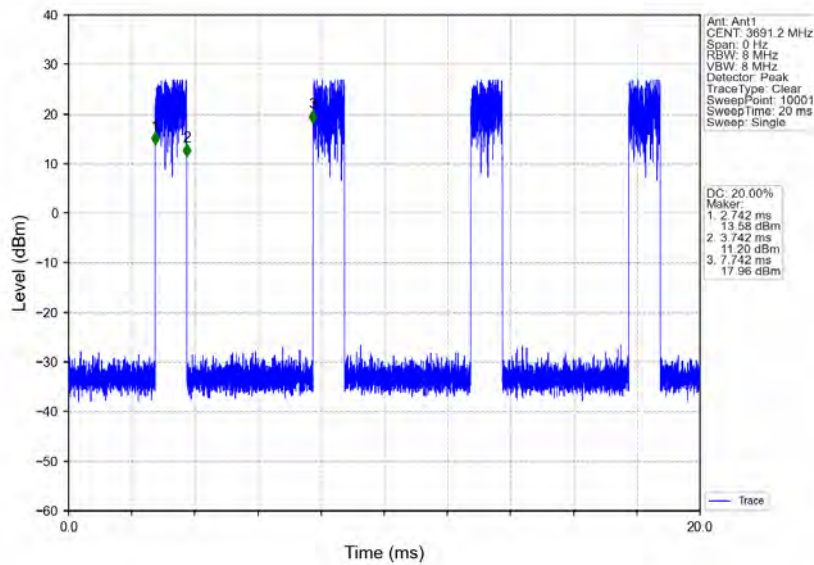
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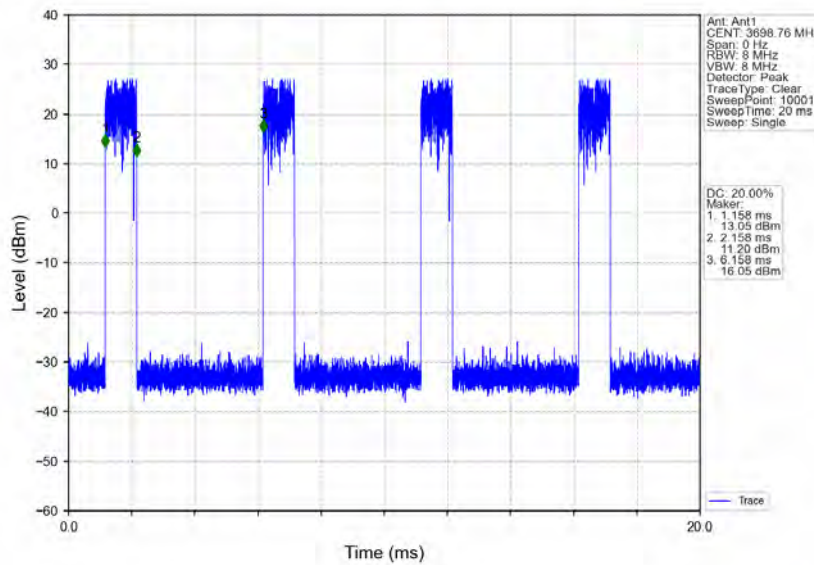
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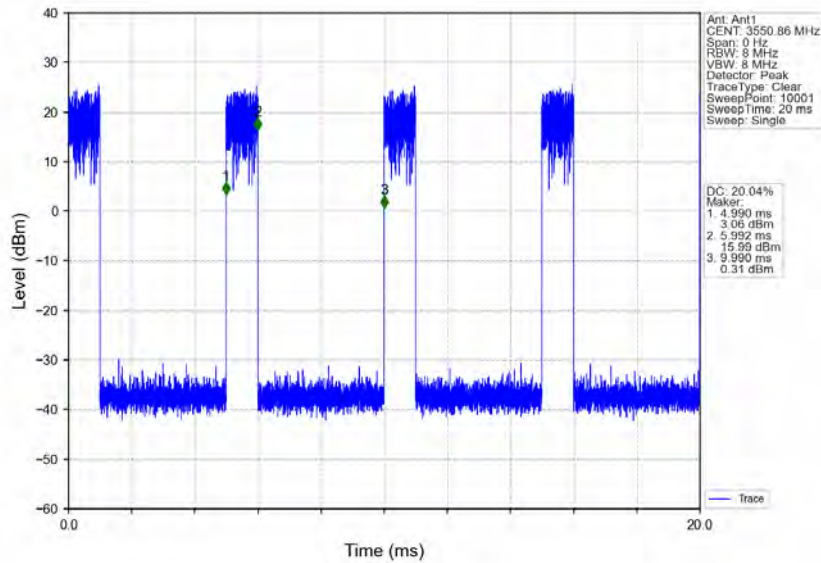
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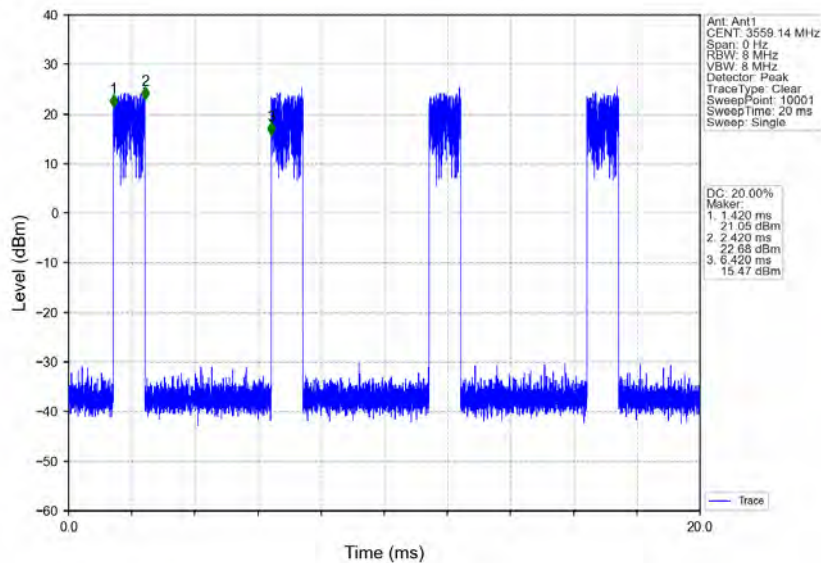
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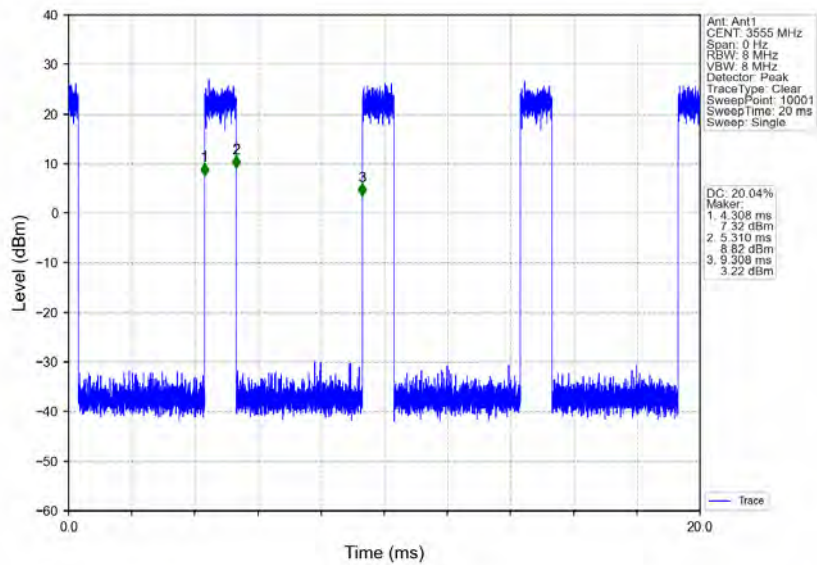
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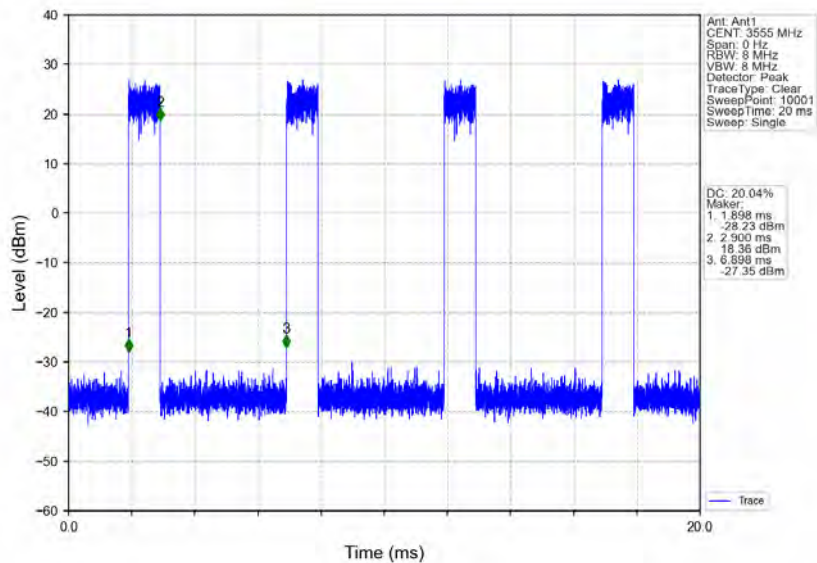
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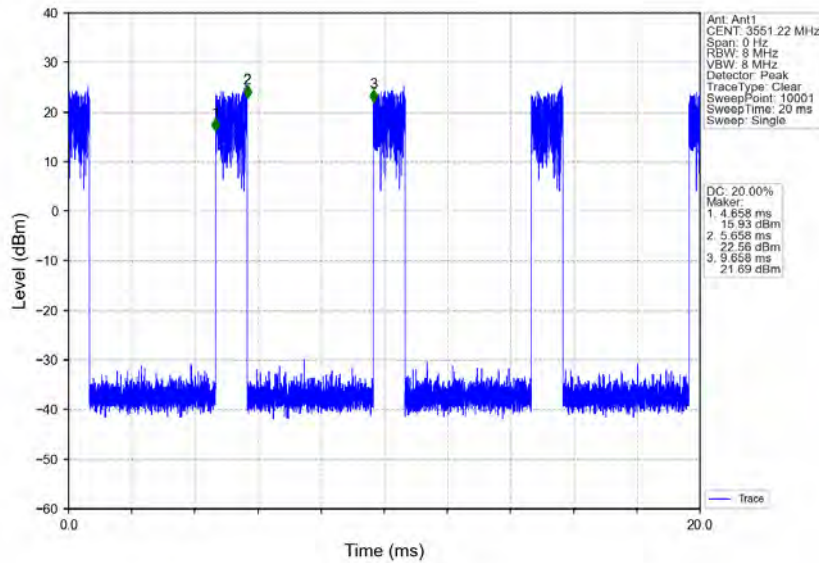
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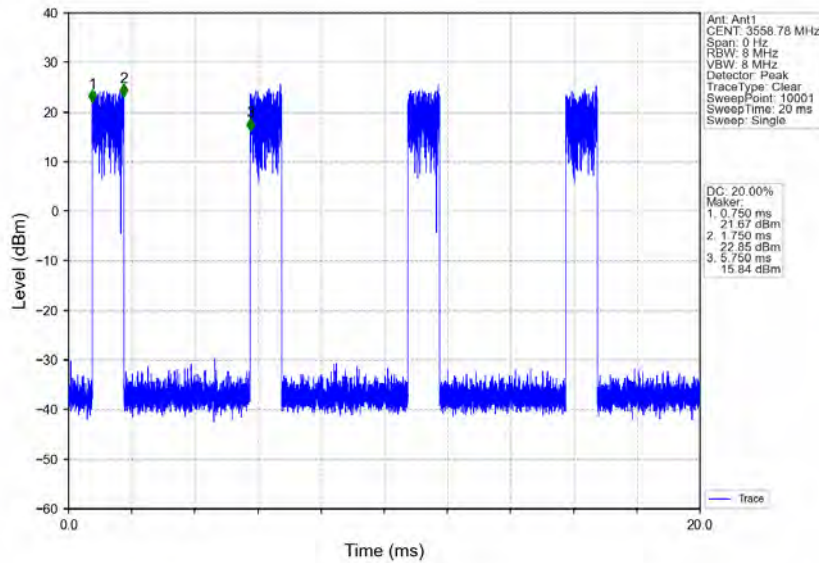
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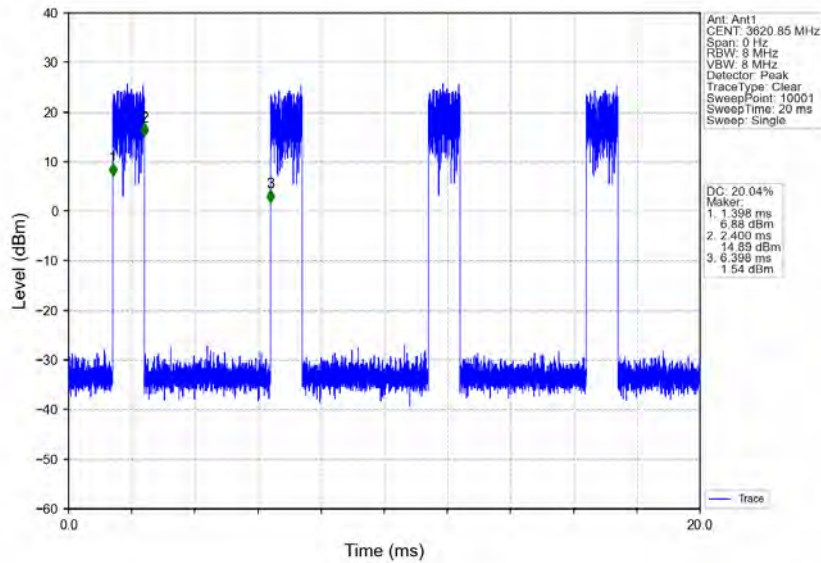
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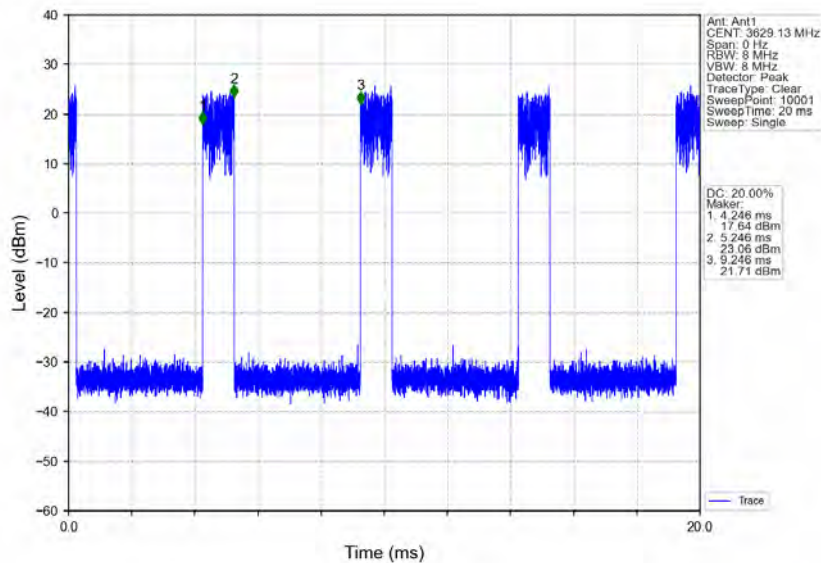
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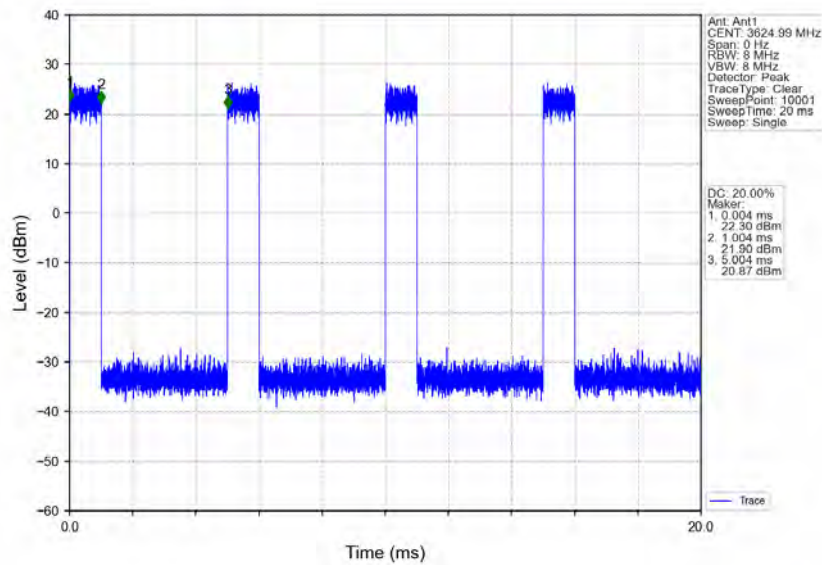
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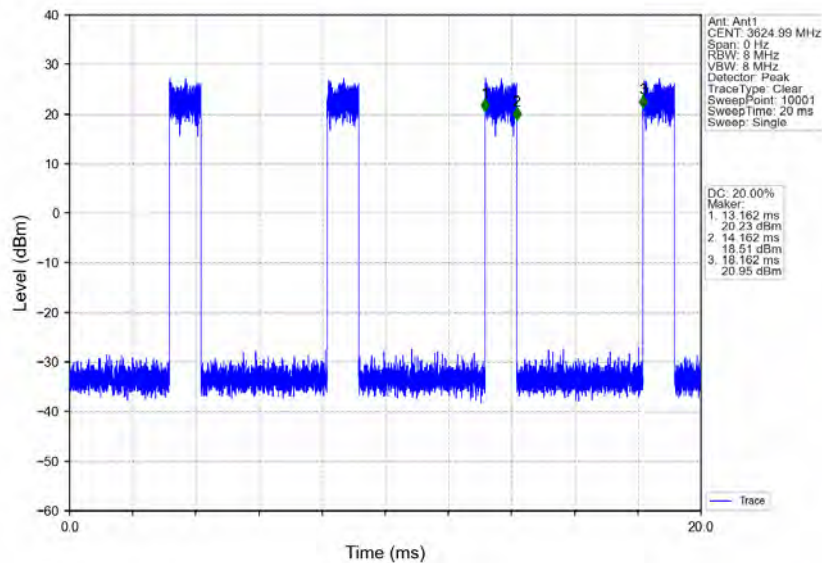
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n48\_30kHz\_MIMO\_NTNV\_10MHz\_CP-OFDM 256 QAM\_3624.99MHz\_Outer\_Full



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



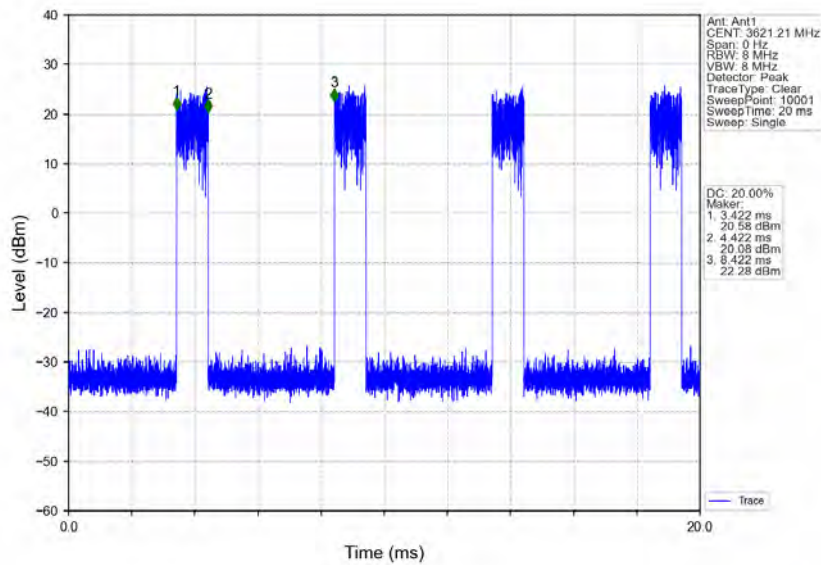
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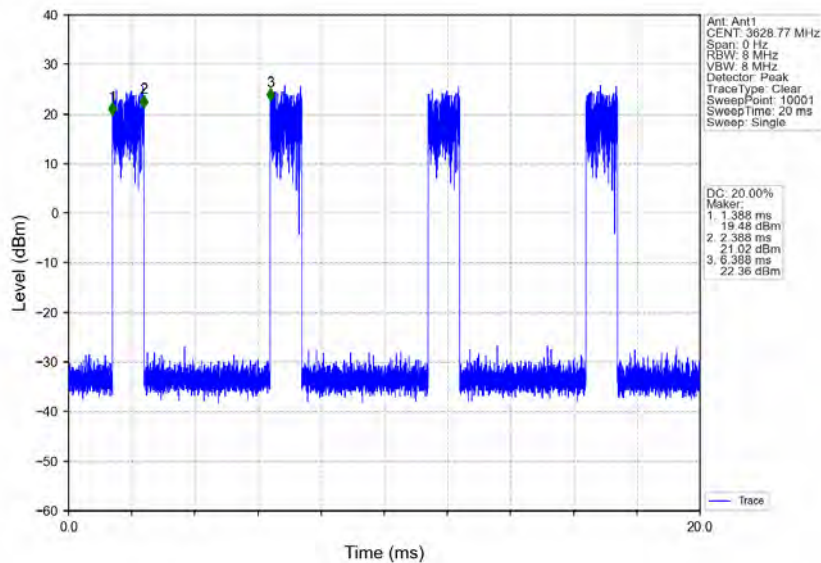
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n48\_30kHz\_MIMO\_NTNV\_10MHz\_CP-OFDM 256 QAM\_3624.99MHz\_Inner\_1RB\_Left



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



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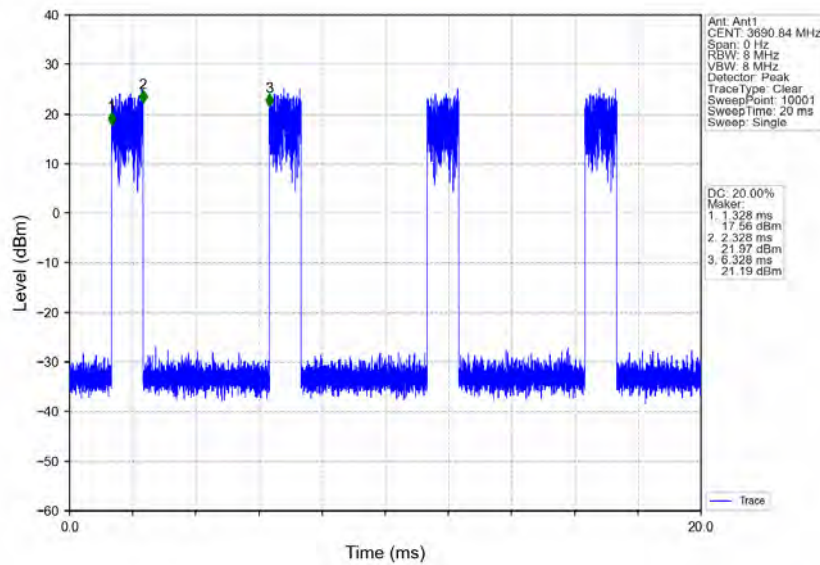
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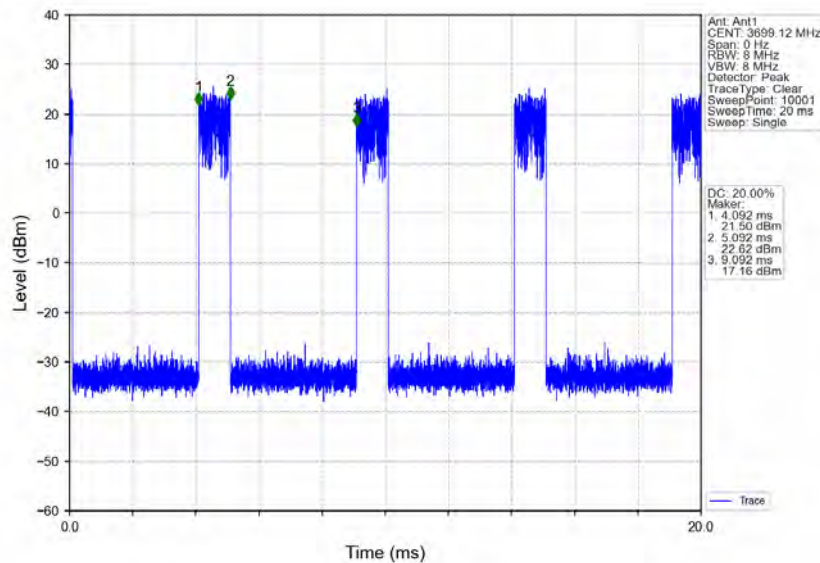
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n48\_30kHz\_MIMO\_NTNV\_10MHz\_CP-OFDM 256 QAM\_3694.98MHz\_Edge\_1RB\_Left



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



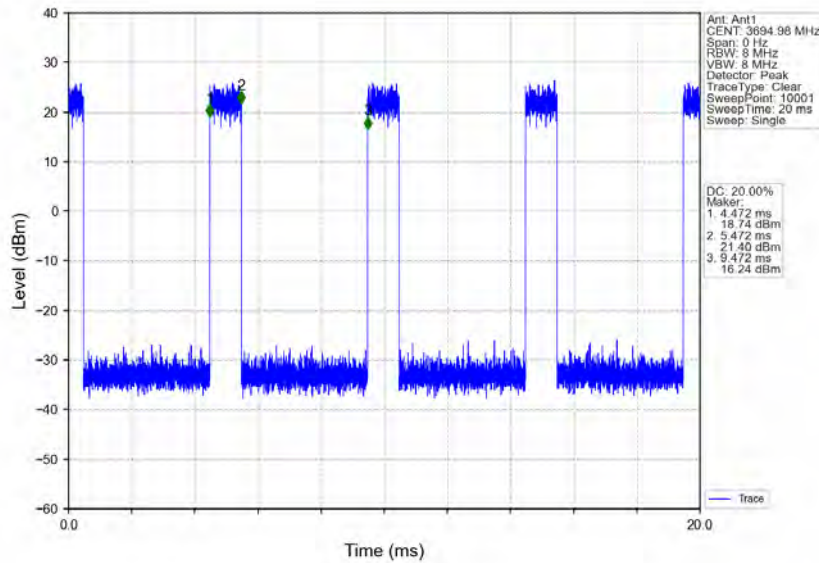
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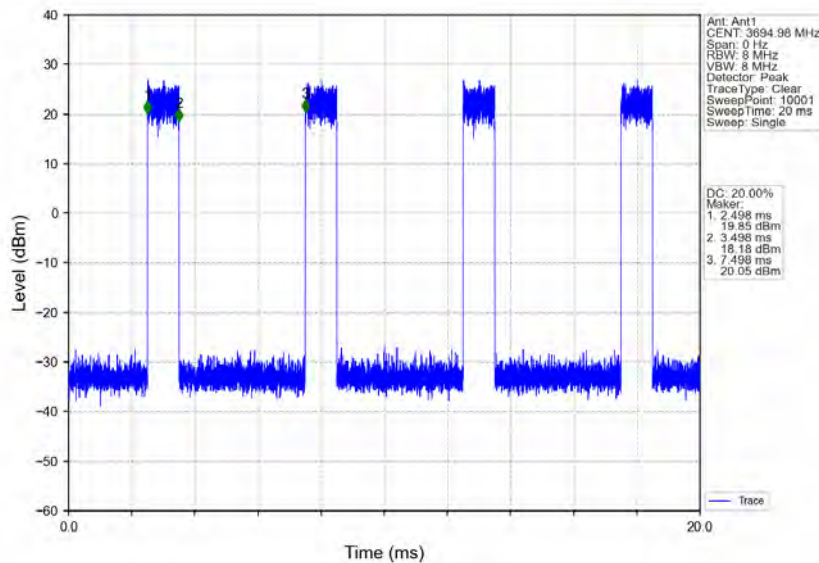
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n48\_30kHz\_MIMO\_NTNV\_10MHz\_CP-OFDM\_256\_QAM\_3694.98MHz\_Outer\_Full



n48\_30kHz\_MIMO\_NTNV\_10MHz\_CP-OFDM\_256\_QAM\_3694.98MHz\_Inner\_Full



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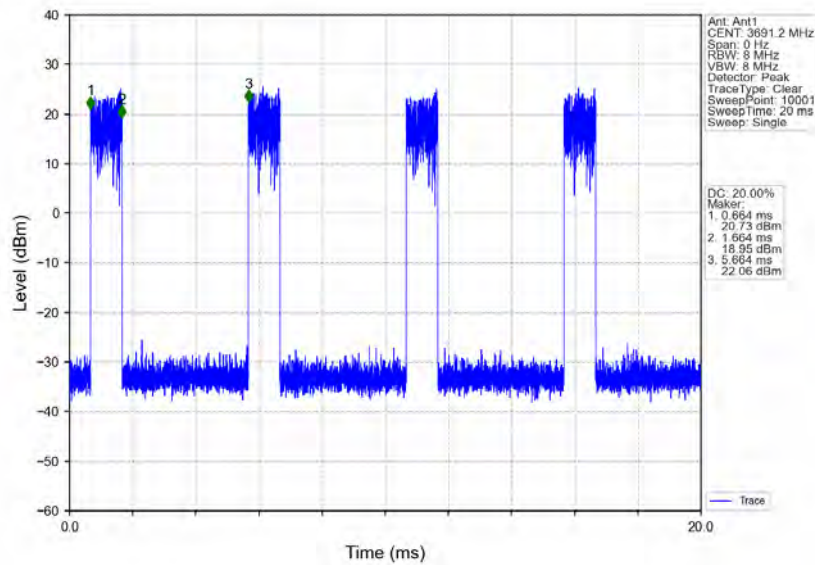
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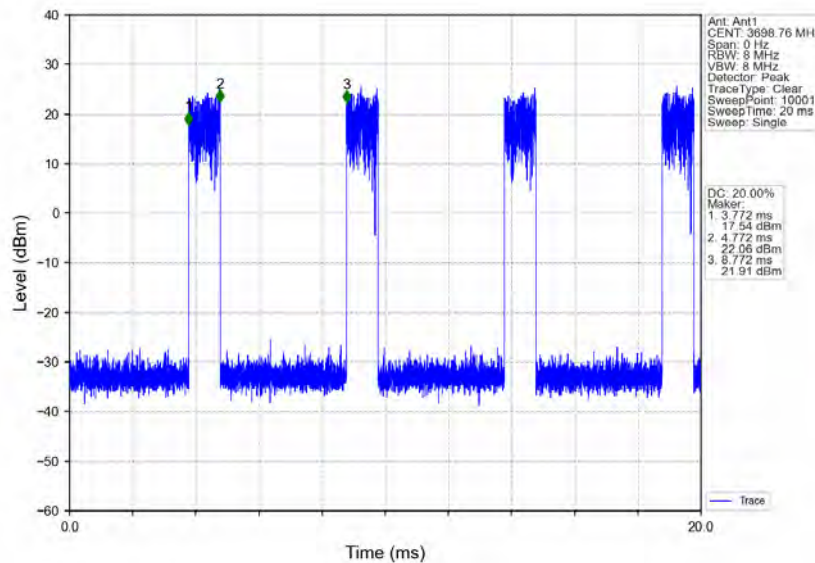
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n48\_30kHz\_MIMO\_NTNV\_10MHz\_CP-OFDM 256 QAM\_3694.98MHz\_Inner\_1RB\_Left



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



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1.2 30k\_MIMO\_20MHz\_NTNV

1.2.1 Test Result

5G NR n48 SCS=30kHz MIMO 20MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
CP-OFDM QPSK	3560.01	Edge_1RB_Left	1.002	5.000	20.04	6.98	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
		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
	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	1.002	5.000	20.04	6.98	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
	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	1.002	5.000	20.04	6.98	0.00
		Inner_1RB_Right	1.000	5.000	20.00	6.99	0.00
CP-OFDM 16 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	1.002	4.998	20.05	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	1.002	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	1.002	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
	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	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
CP-OFDM 64 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	1.002	4.998	20.05	6.98	0.03
		Inner_Full	1.000	4.998	20.01	6.99	0.07
		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

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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	0.03	
		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	
	3690	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	
	CP-OFDM 256 QAM	3560.01	Inner_1RB_Left	1.000	5.000	20.00	6.99	0.01
			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
3624.99		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	
3690		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		
	Inner_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		



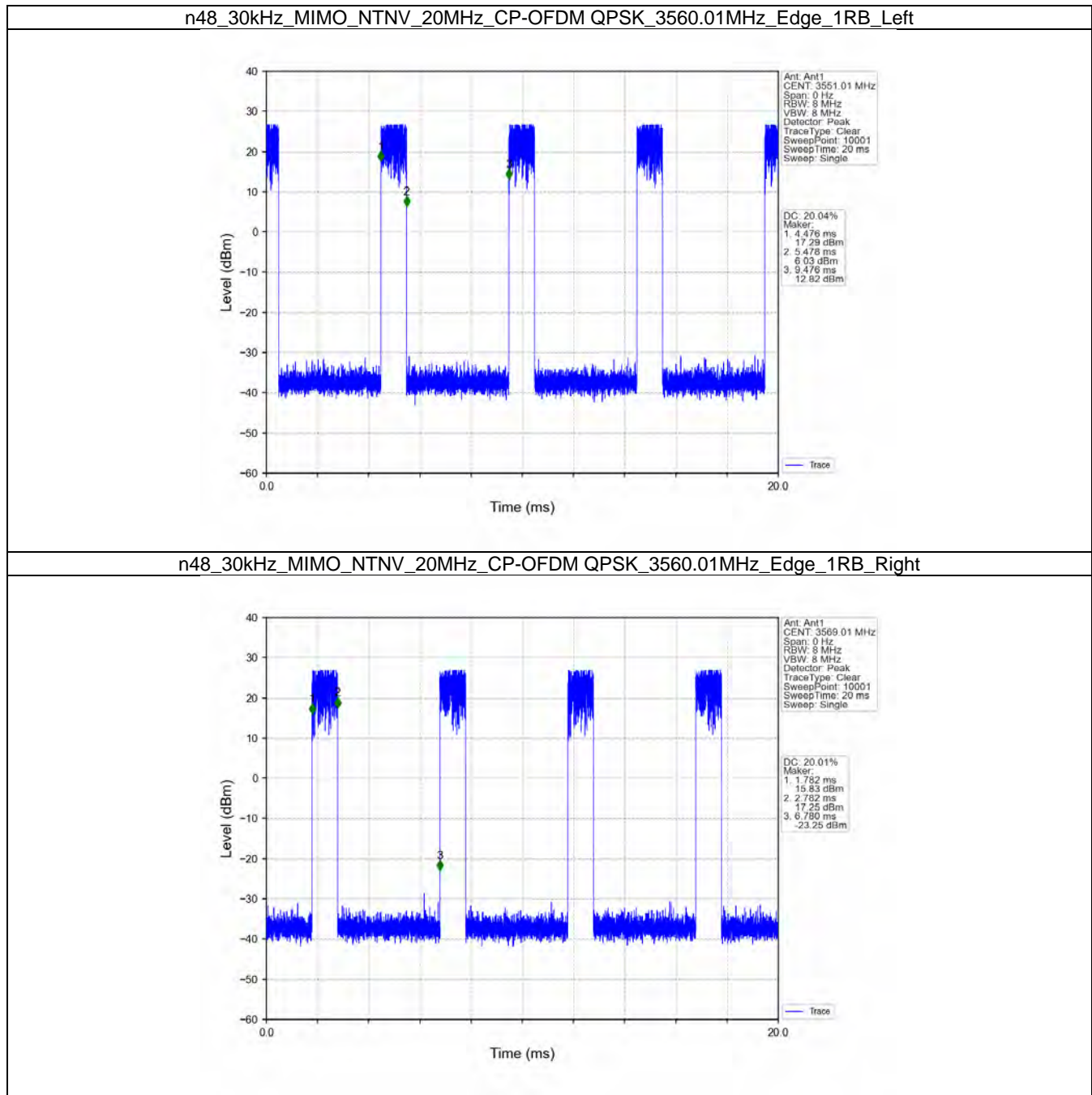
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## 1.2.2 Test Graph



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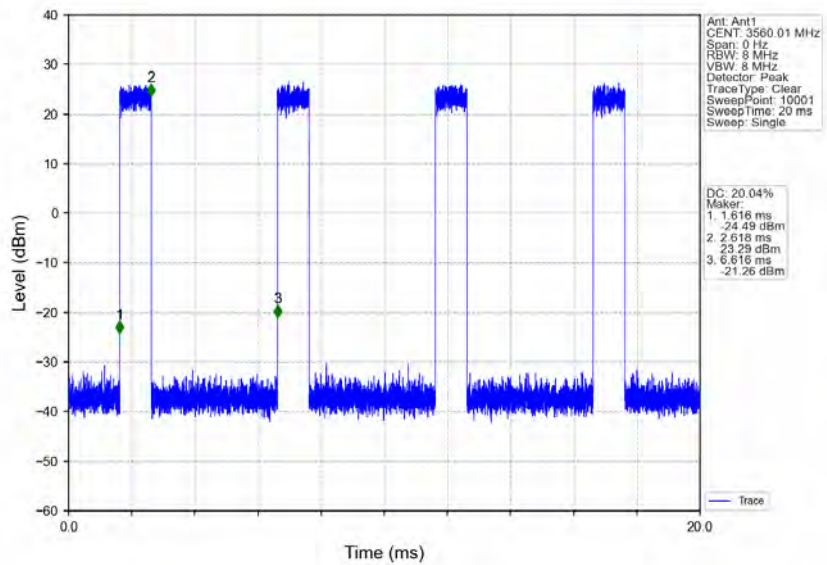
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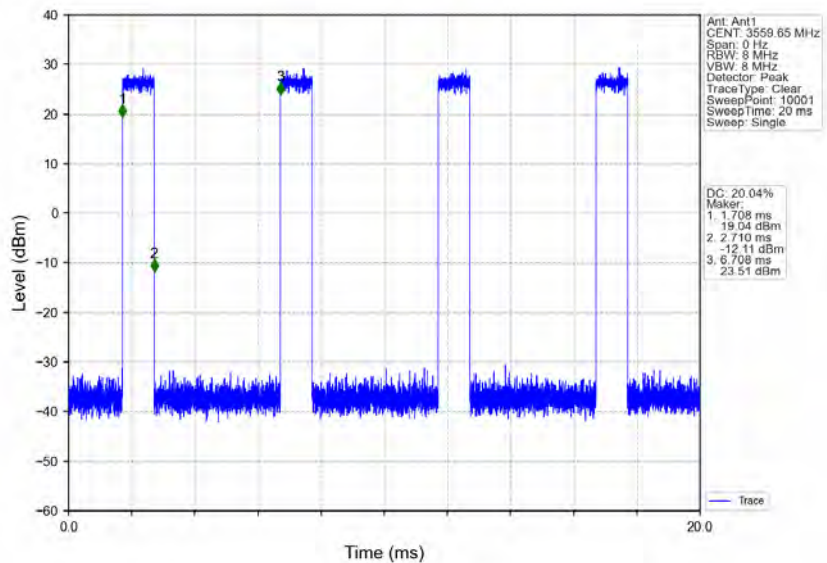
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n48\_30kHz\_MIMO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_3560.01MHz\_Inner\_Full



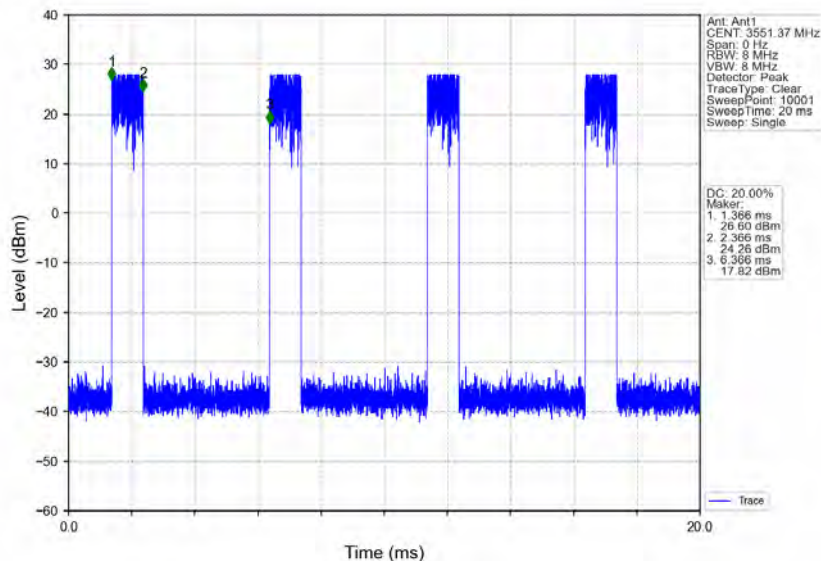
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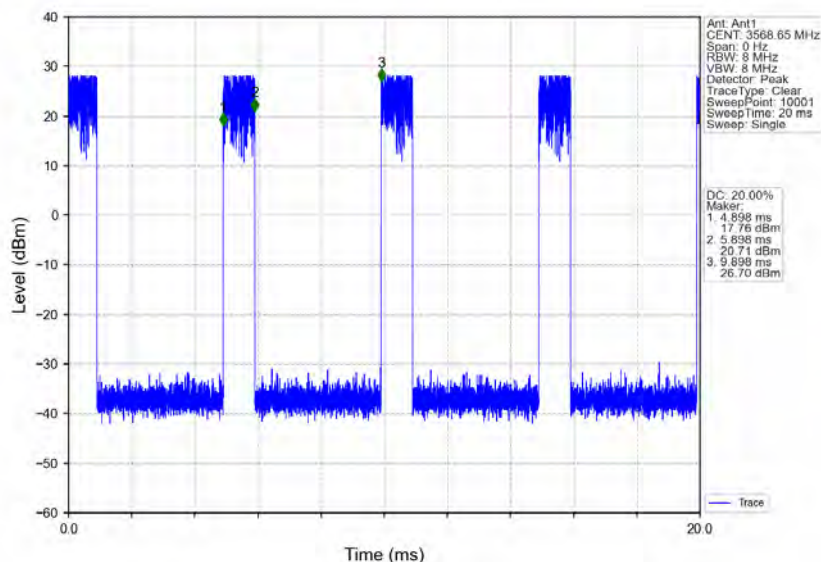
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n48\_30kHz\_MIMO\_NTNV\_20MHz\_CP-OFDM QPSK\_3560.01MHz\_Inner\_1RB\_Left



n48\_30kHz\_MIMO\_NTNV\_20MHz\_CP-OFDM QPSK\_3560.01MHz\_Inner\_1RB\_Right



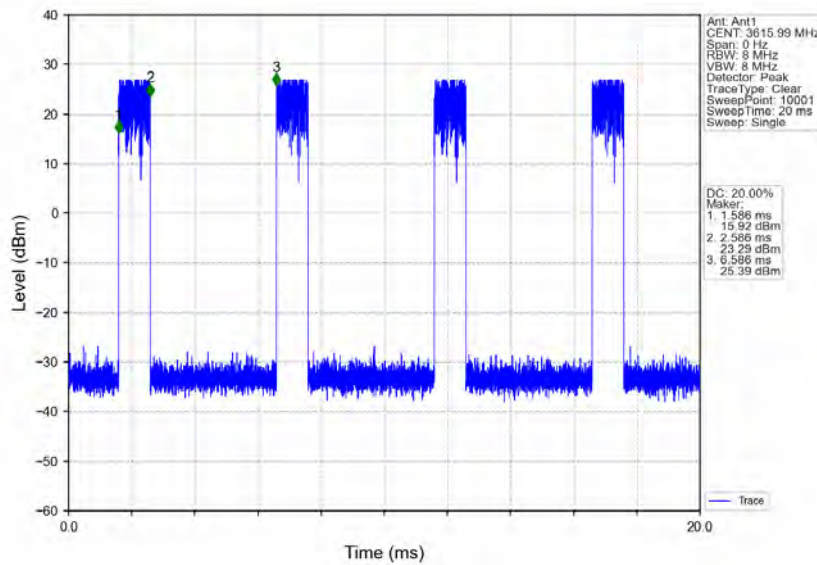
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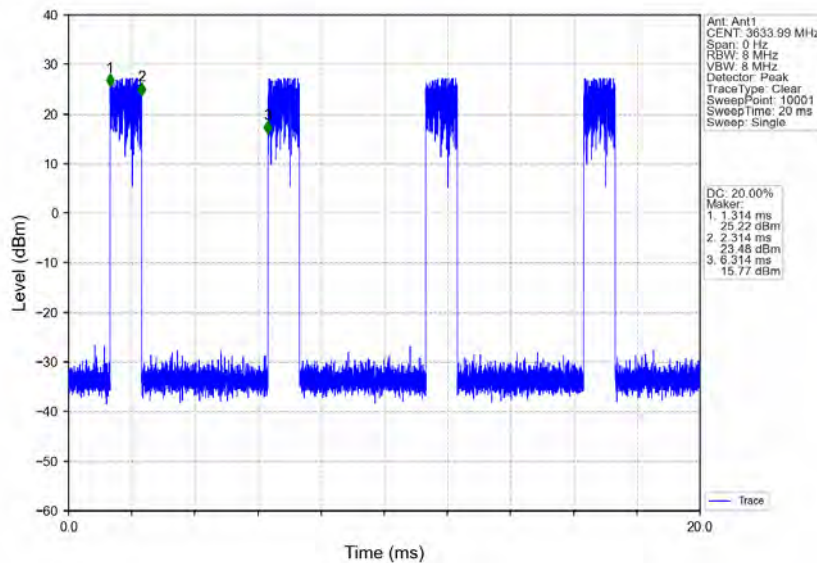
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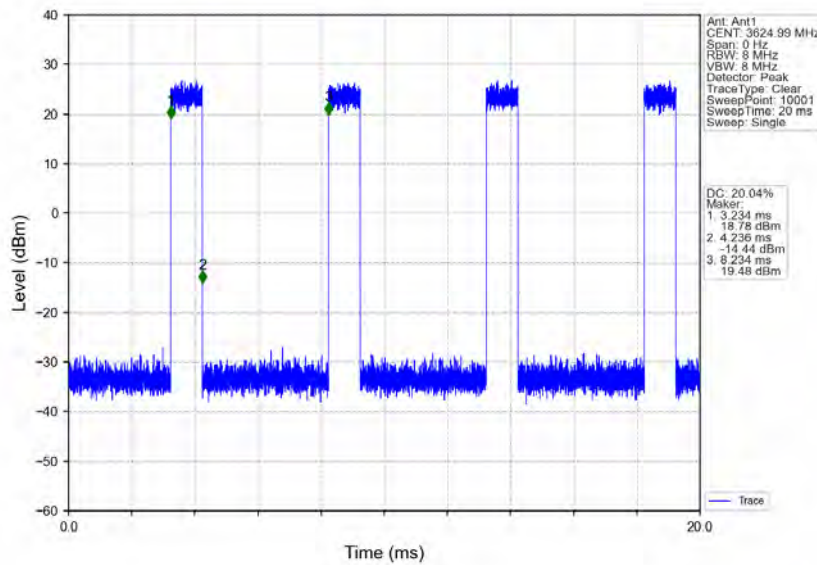
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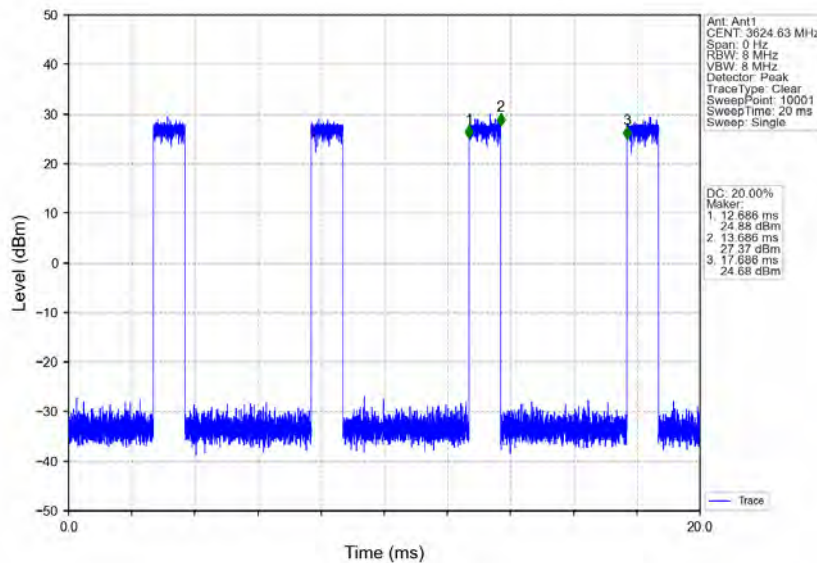
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n48\_30kHz\_MIMO\_NTNV\_20MHz\_CP-OFDM QPSK\_3624.99MHz\_Outer\_Full



n48\_30kHz\_MIMO\_NTNV\_20MHz\_CP-OFDM QPSK\_3624.99MHz\_Inner\_Full



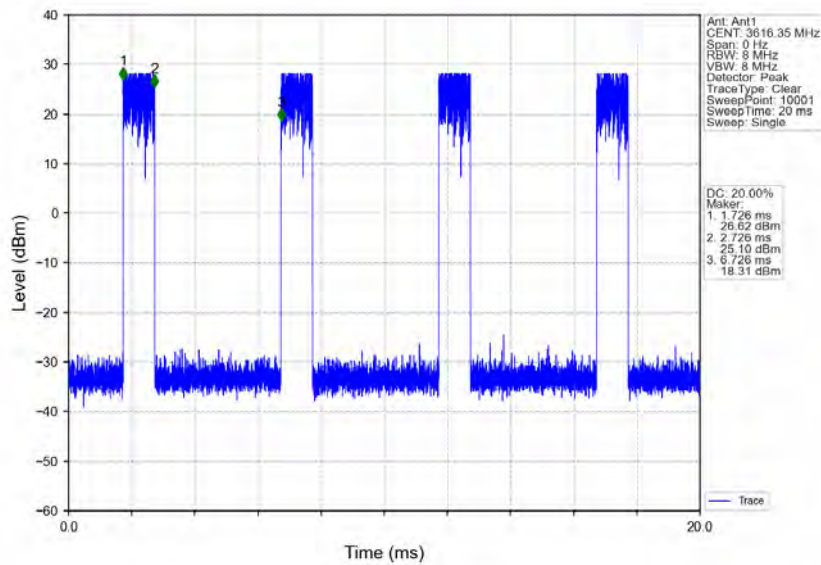
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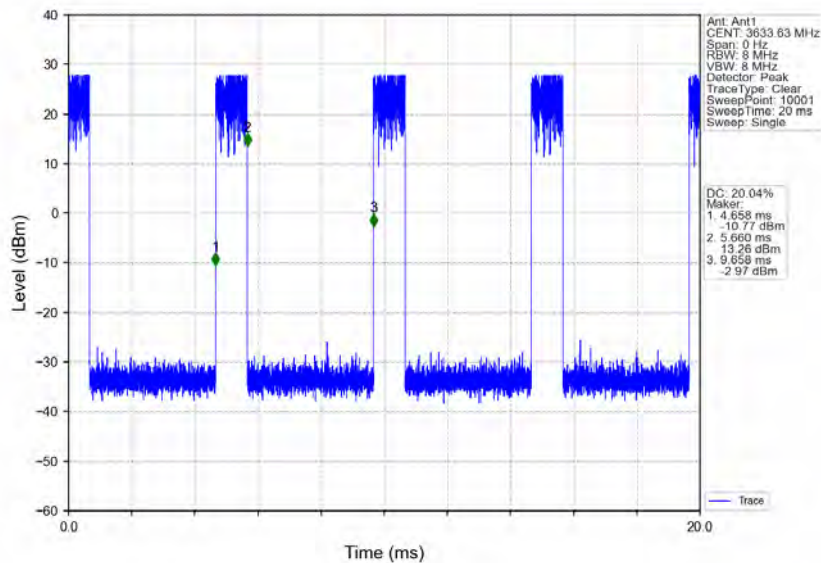
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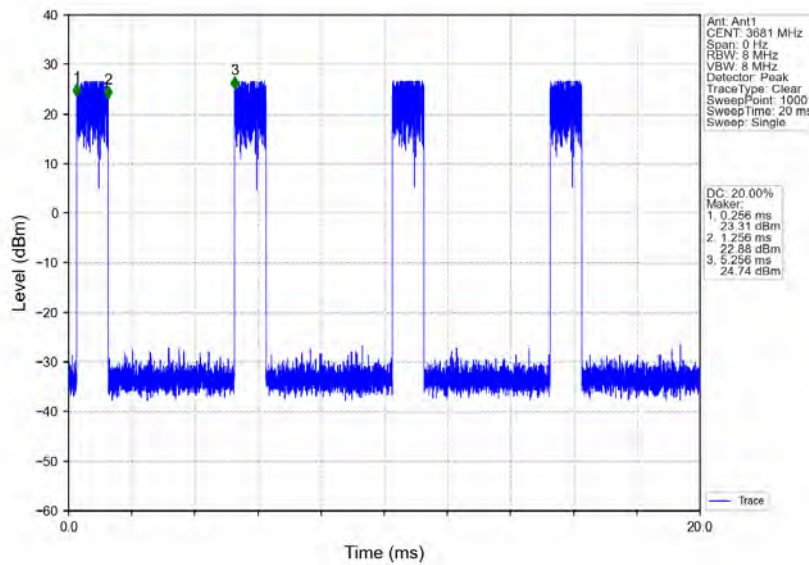
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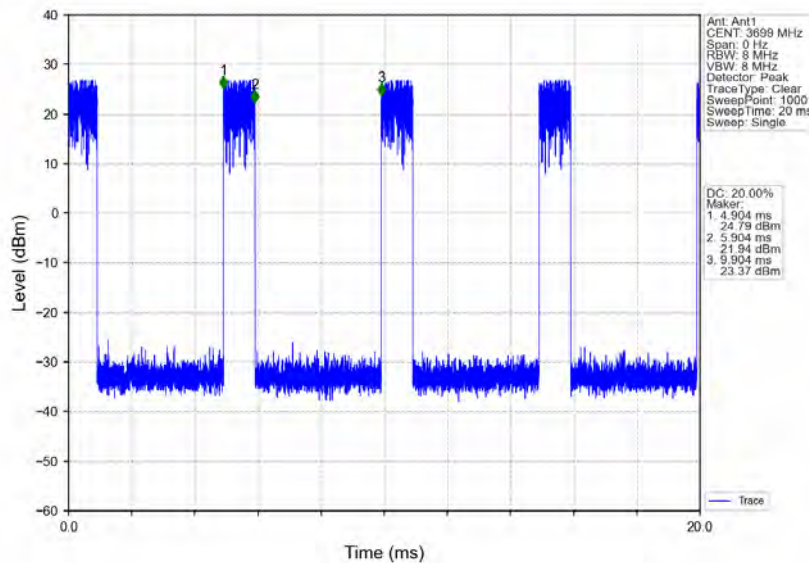
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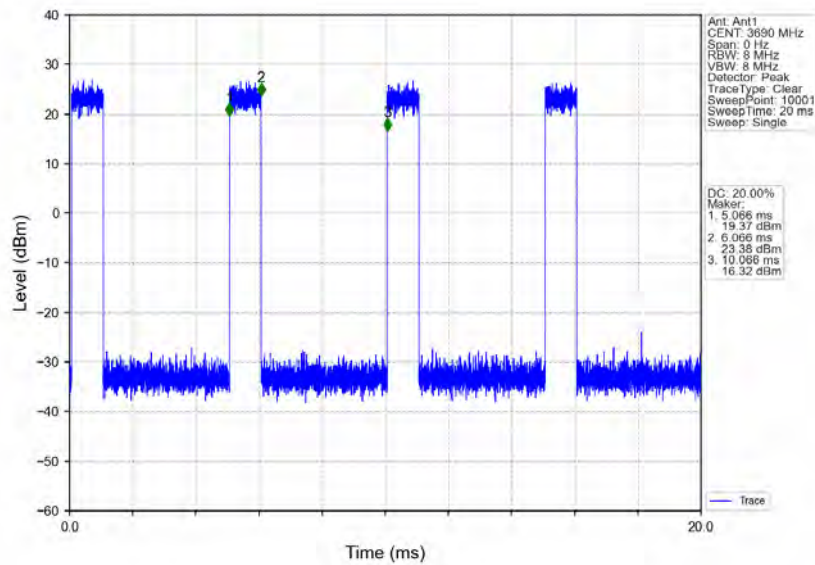
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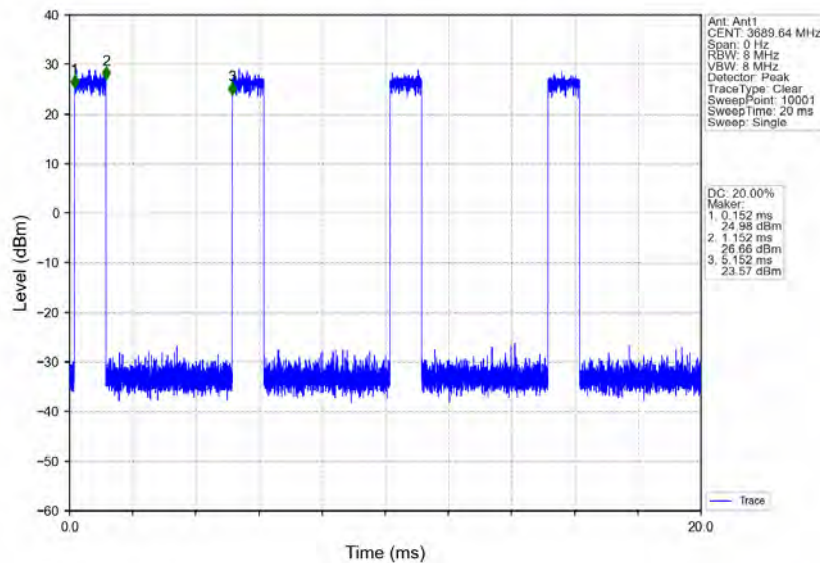
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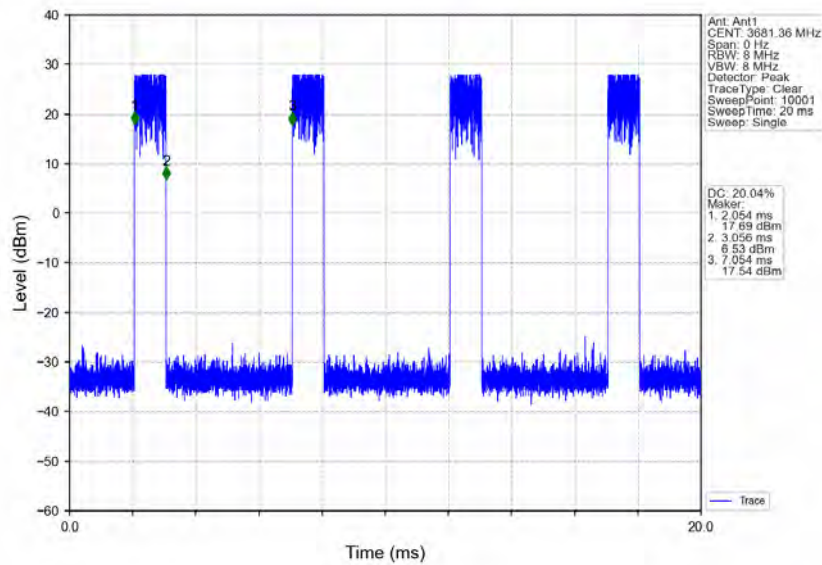
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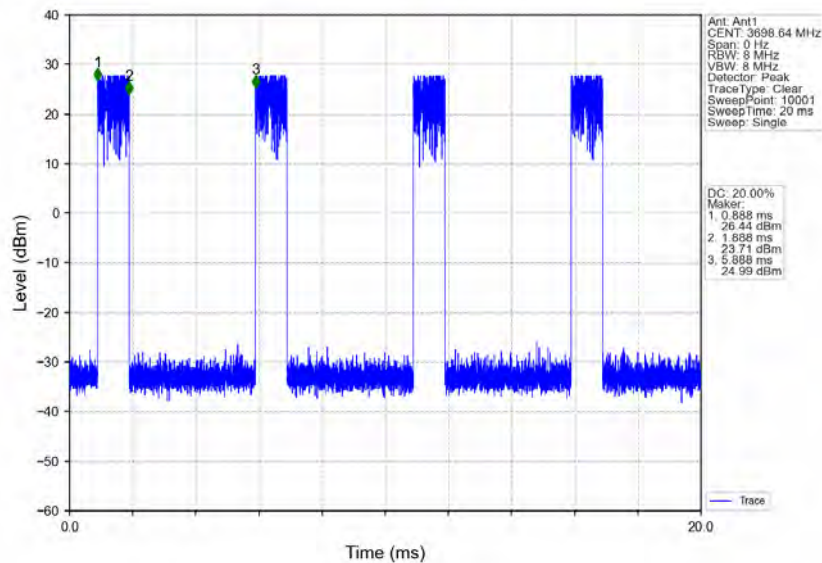
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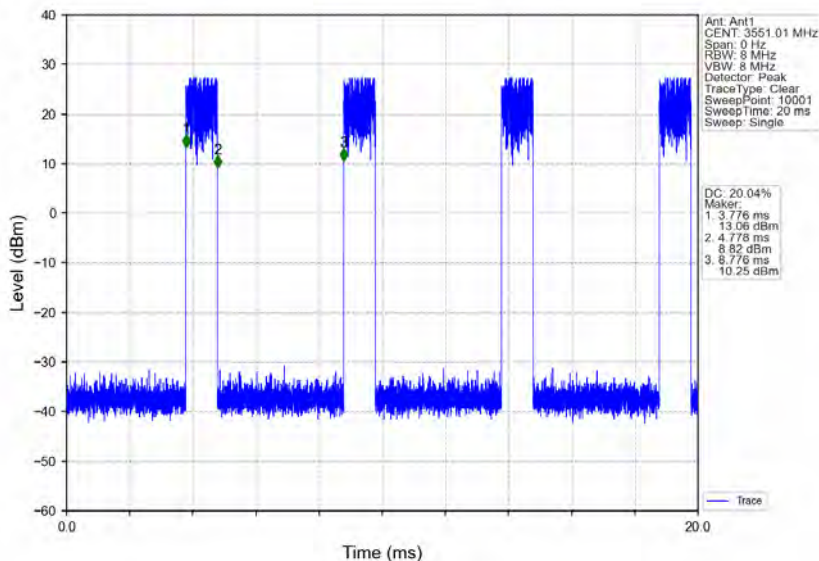
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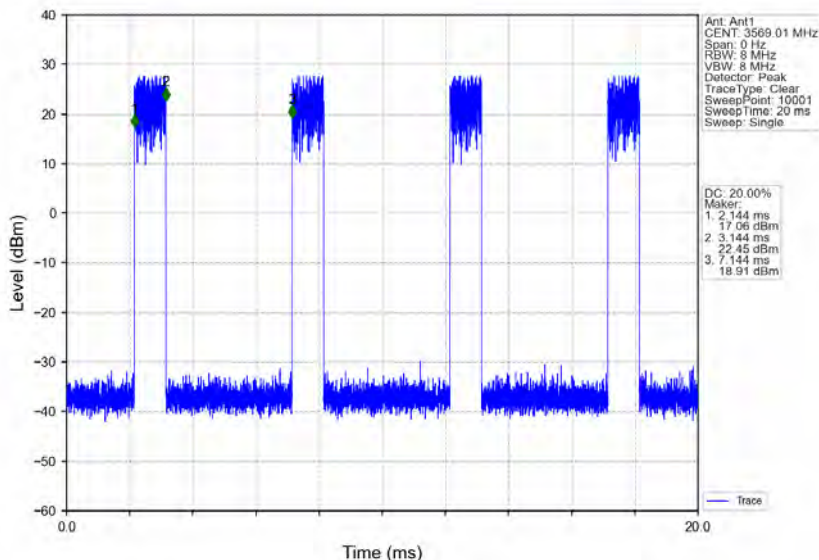
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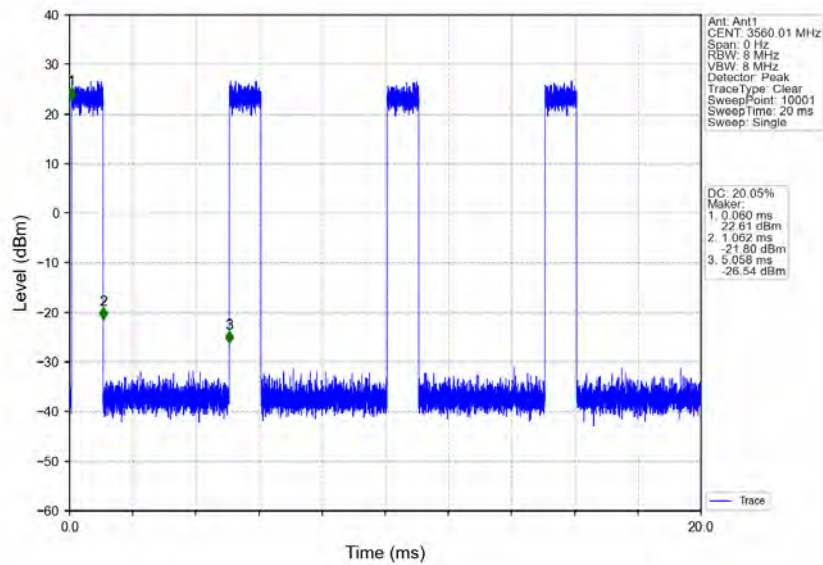
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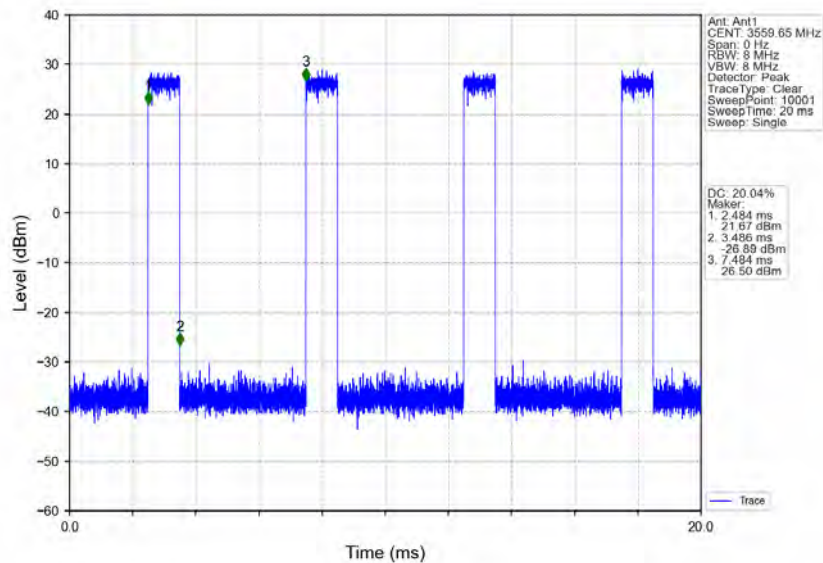
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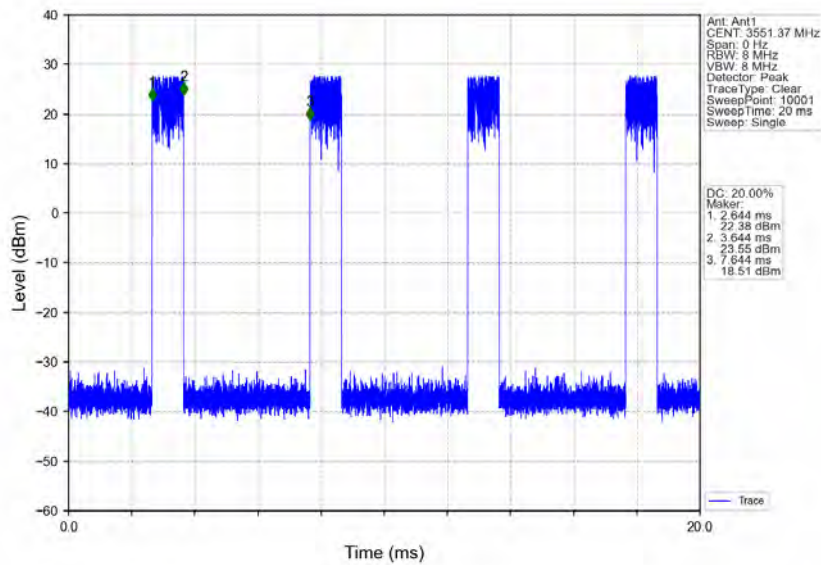
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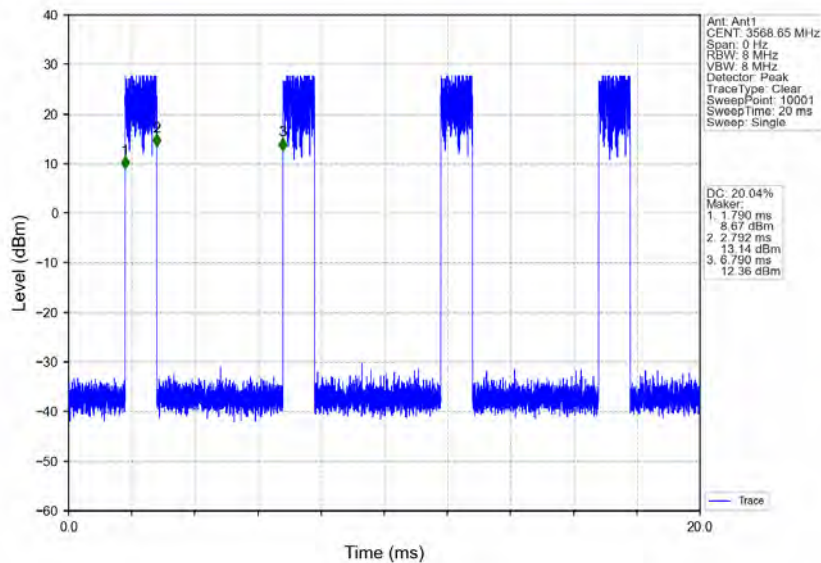
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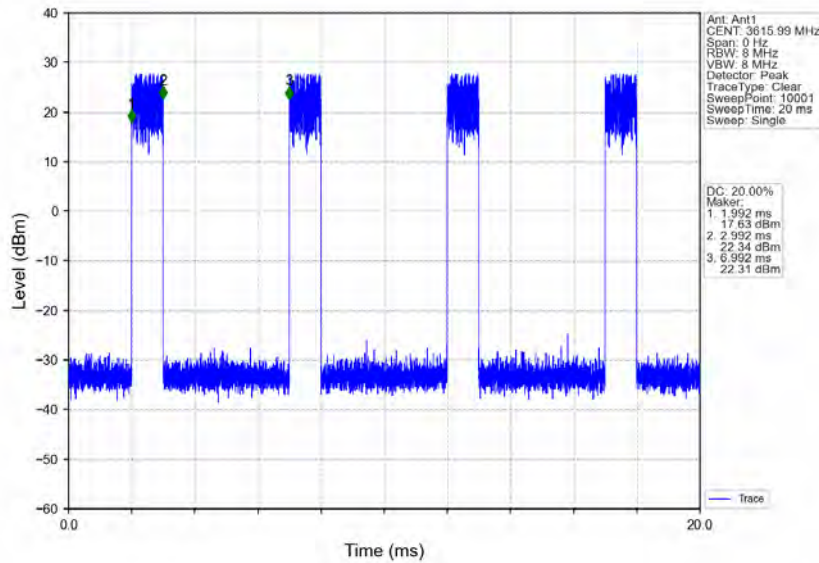
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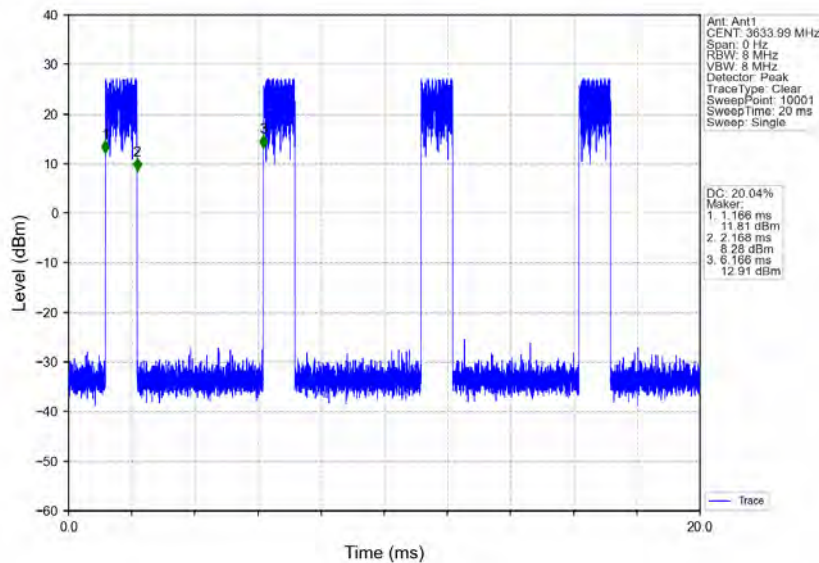
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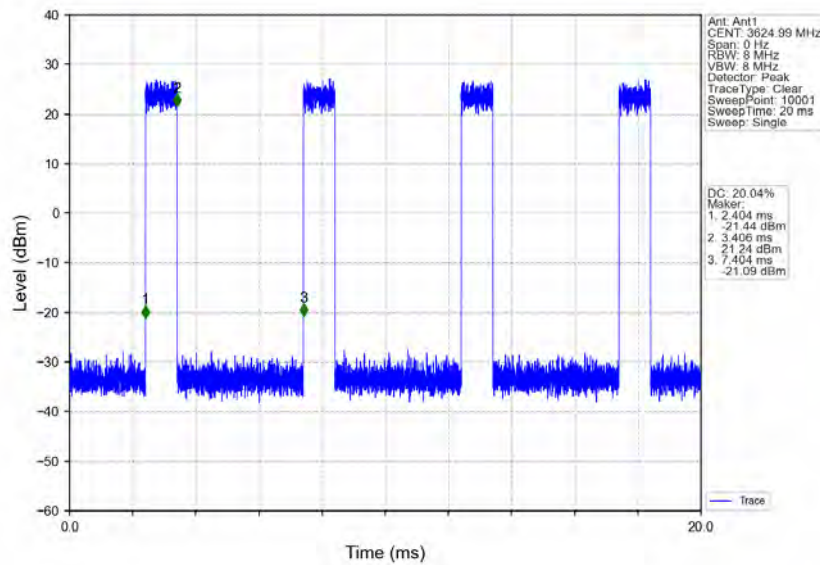
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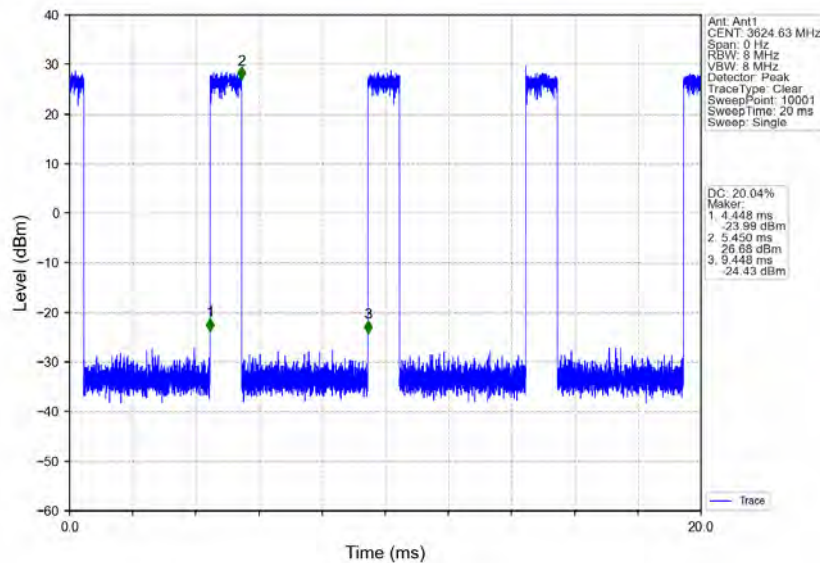
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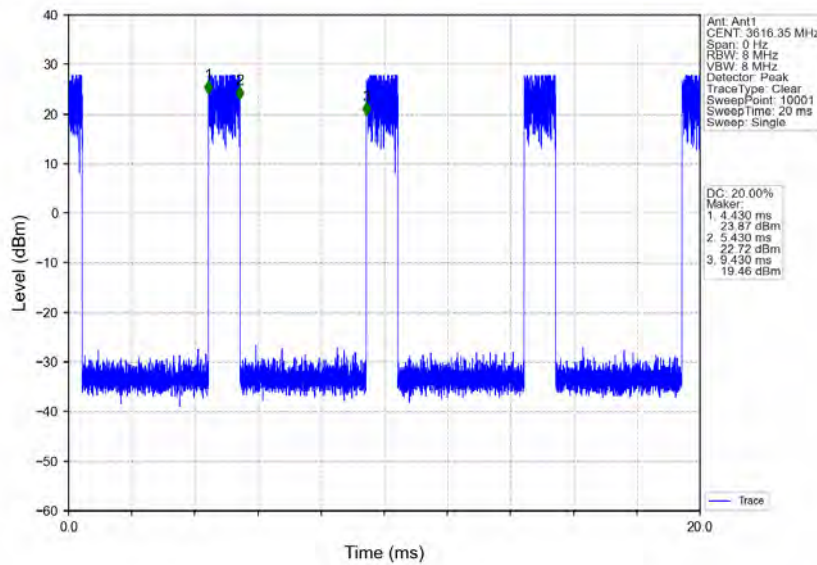
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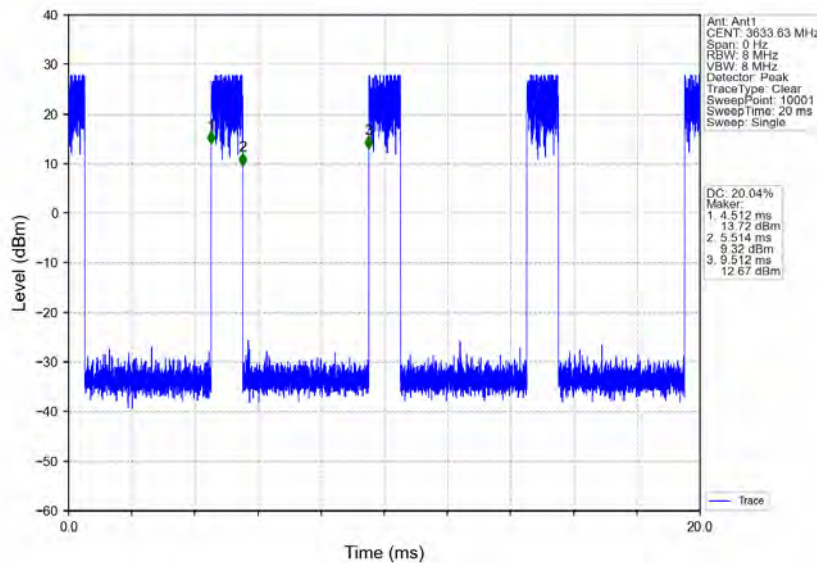
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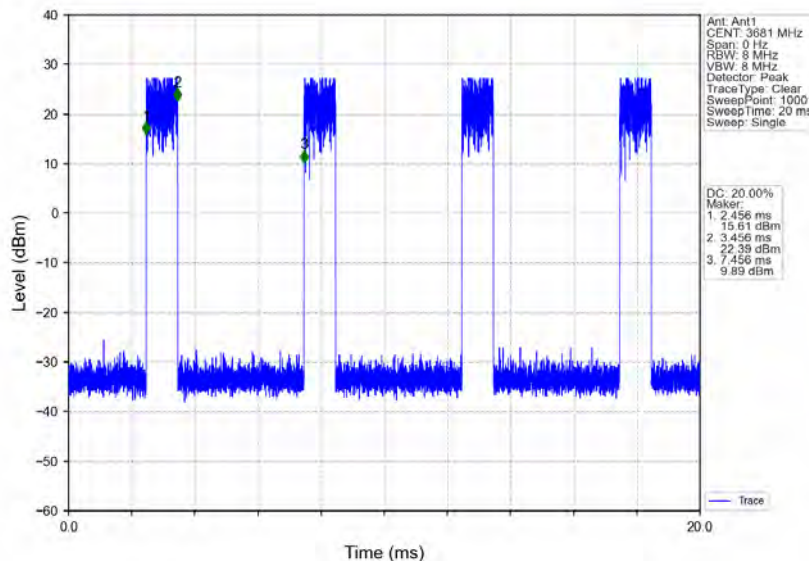
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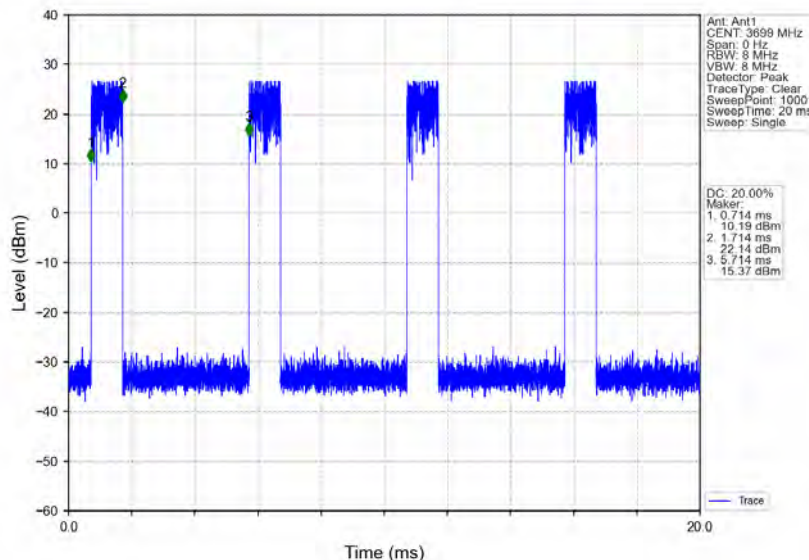
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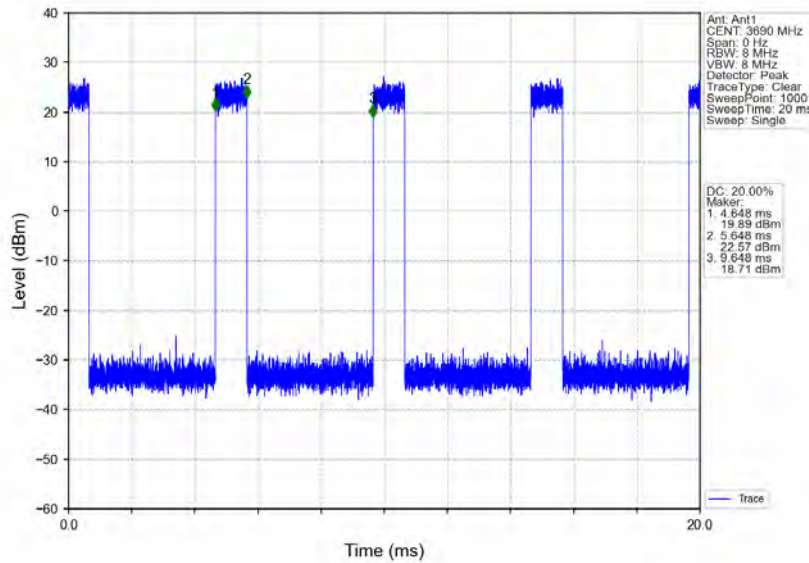
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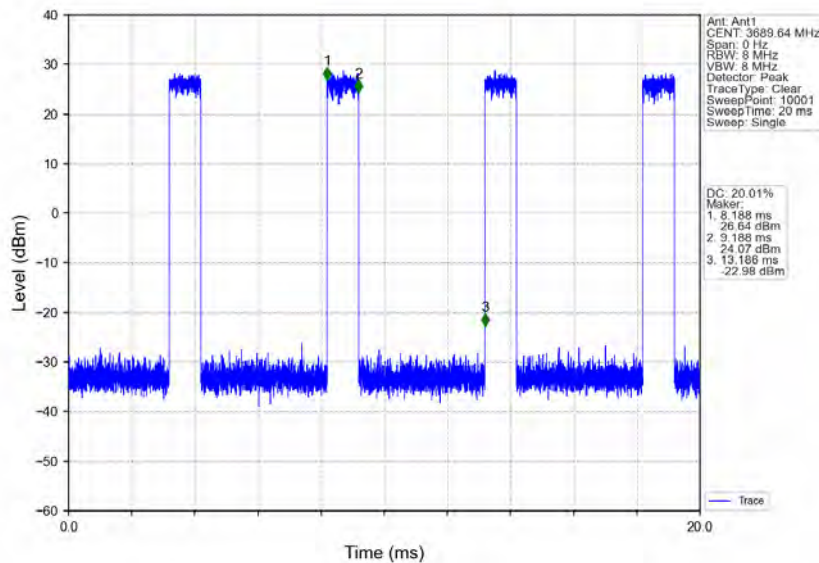
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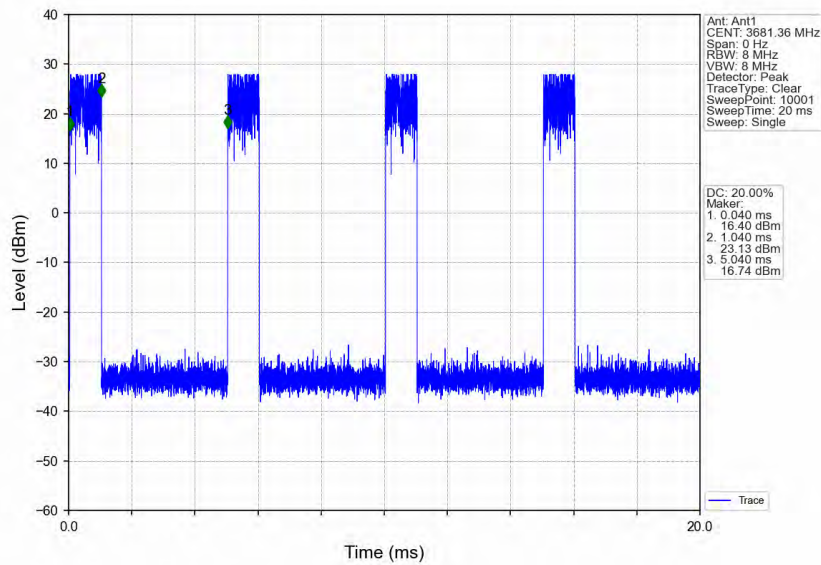
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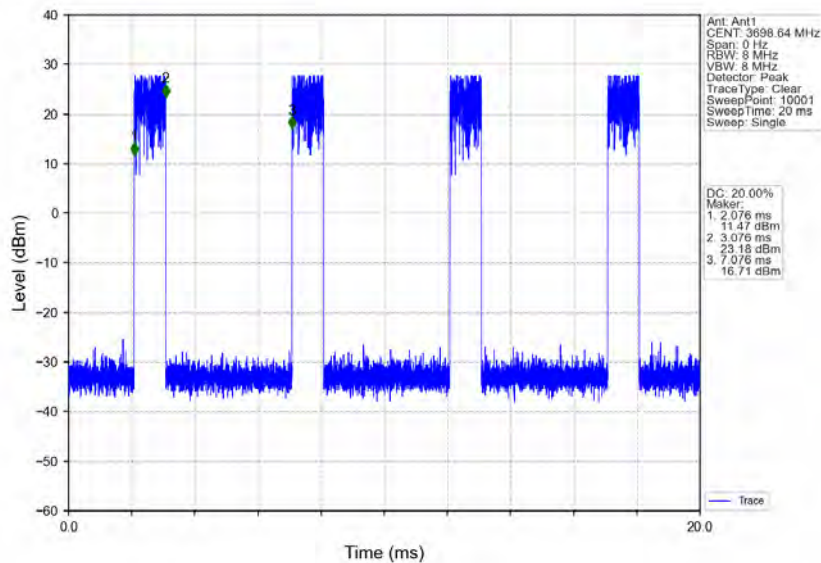
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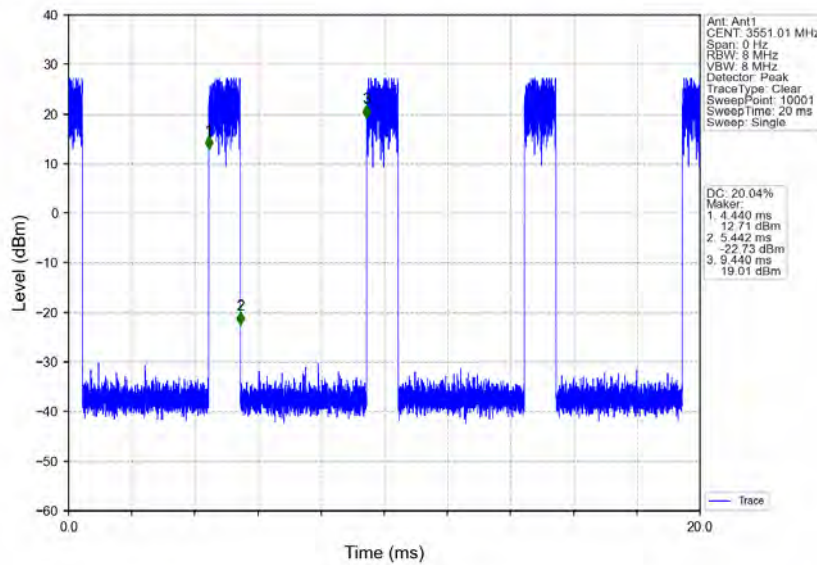
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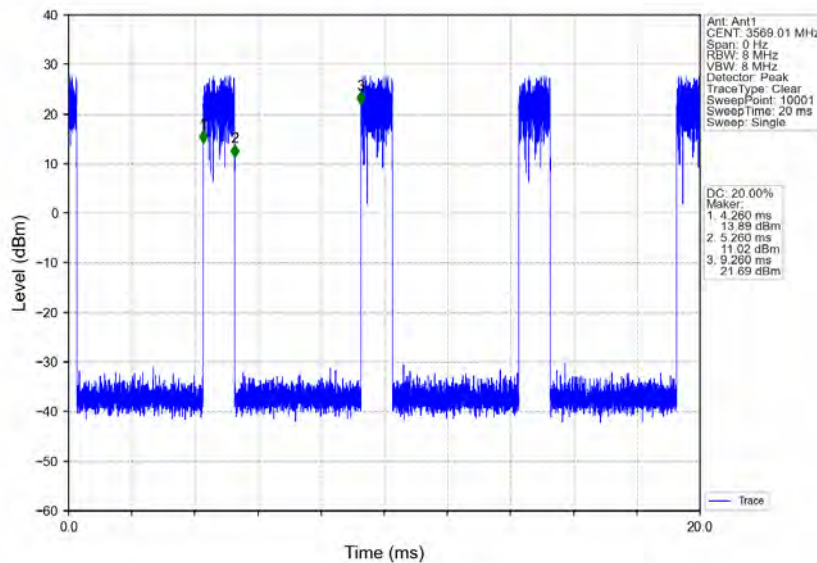
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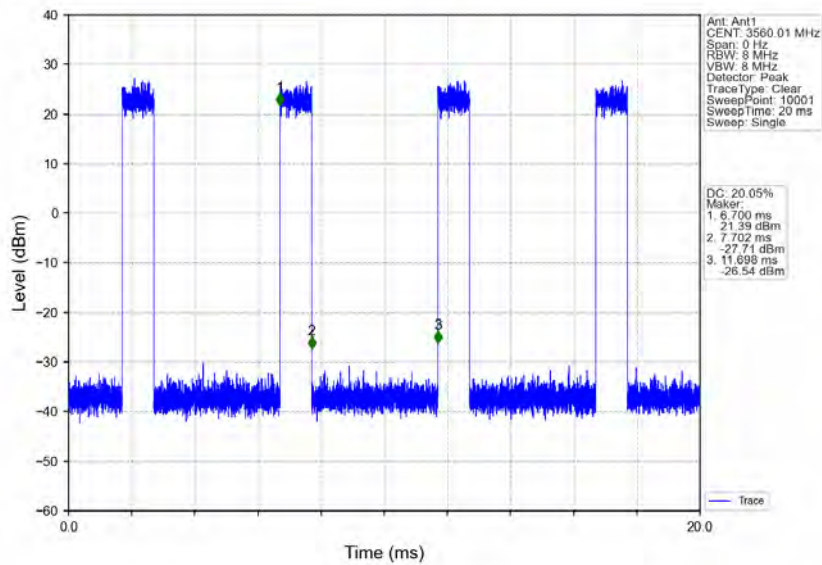
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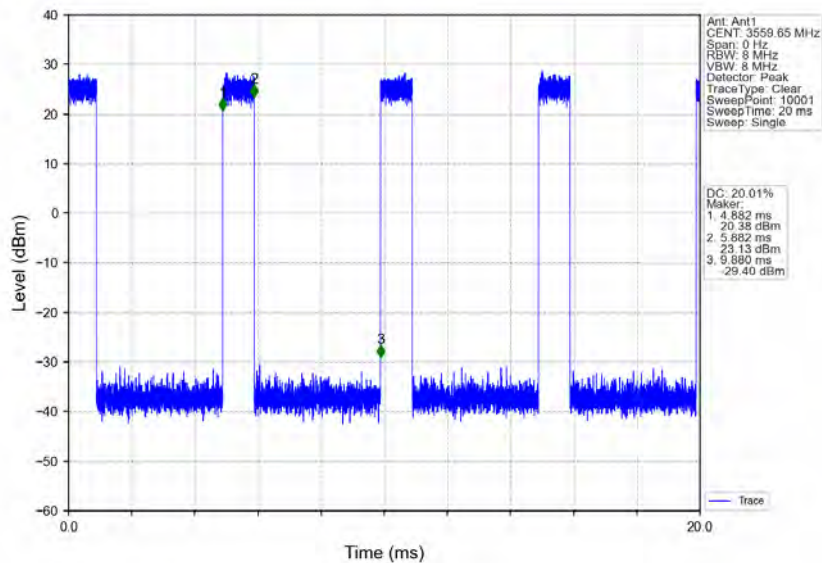
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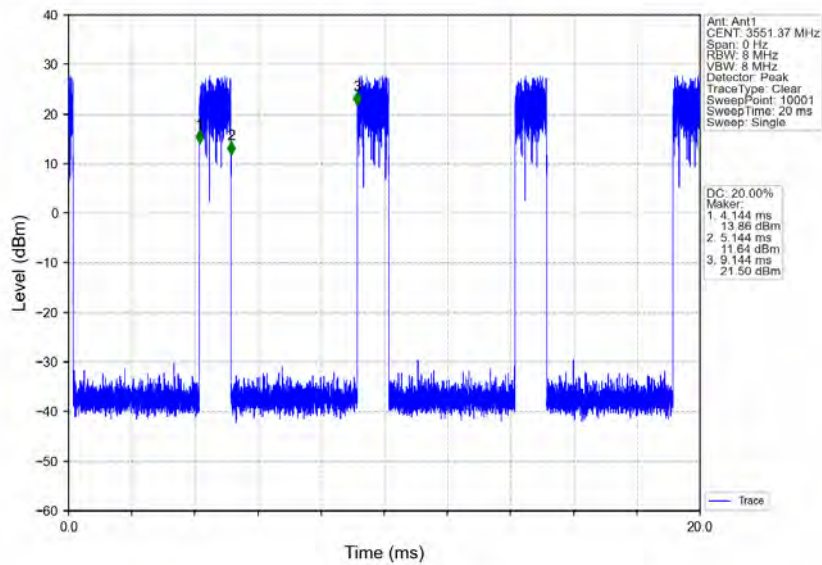
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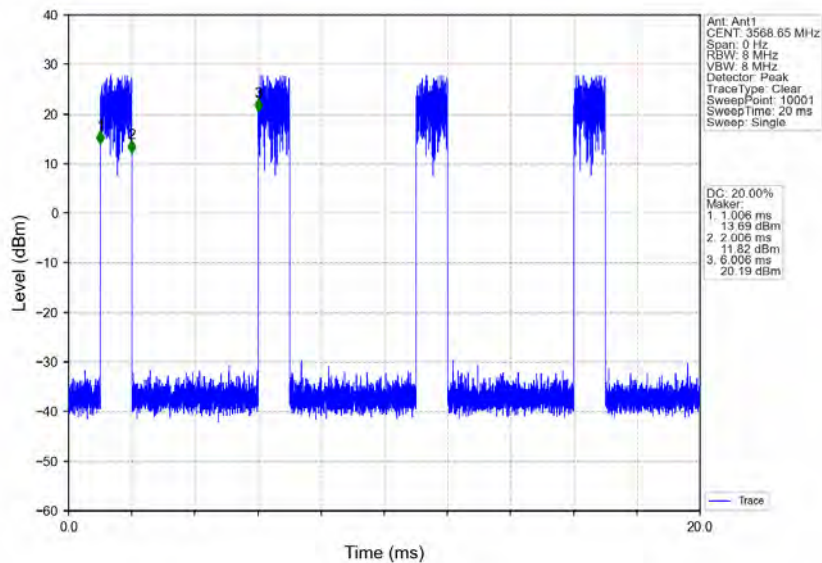
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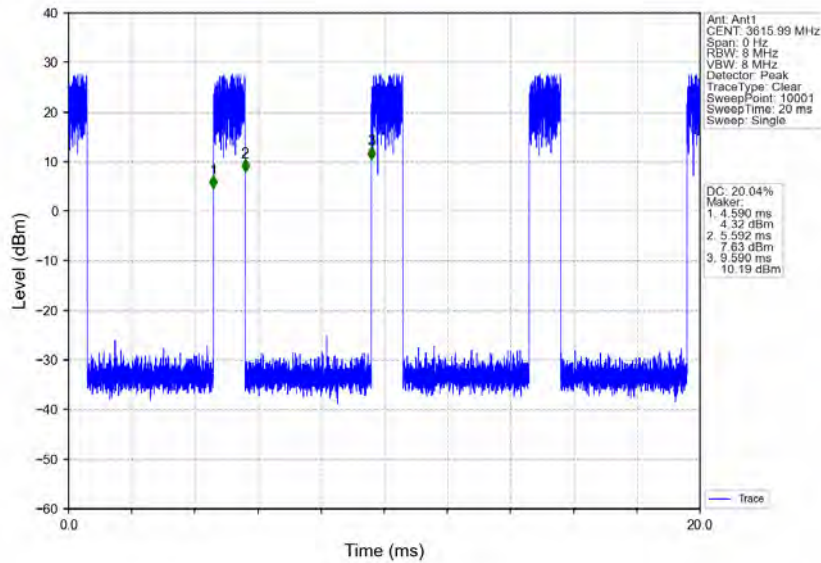
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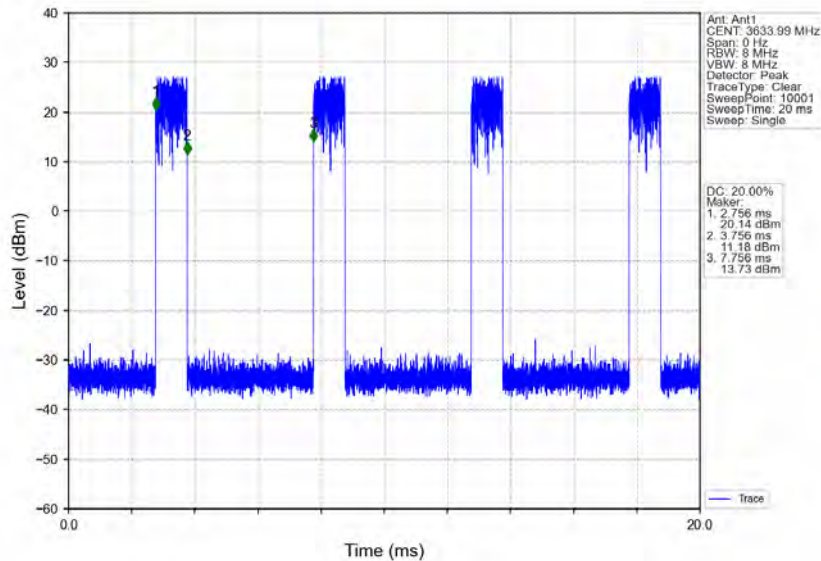
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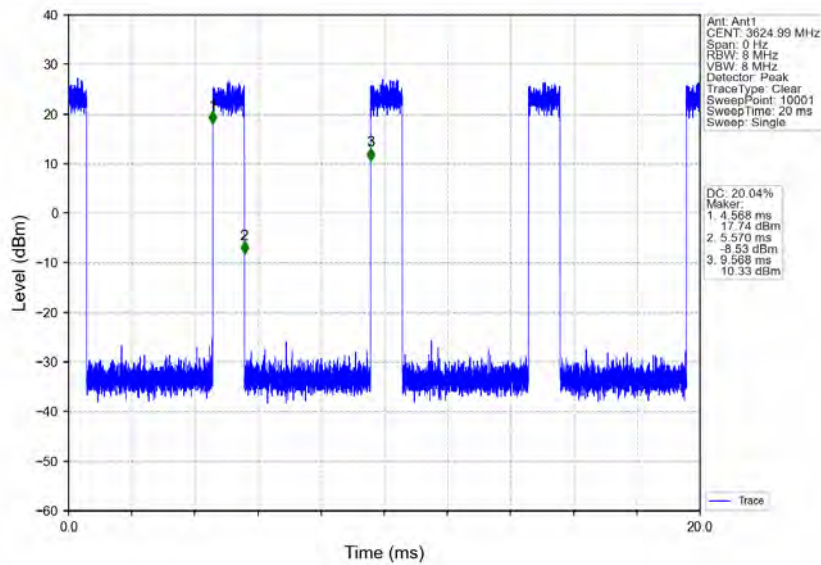
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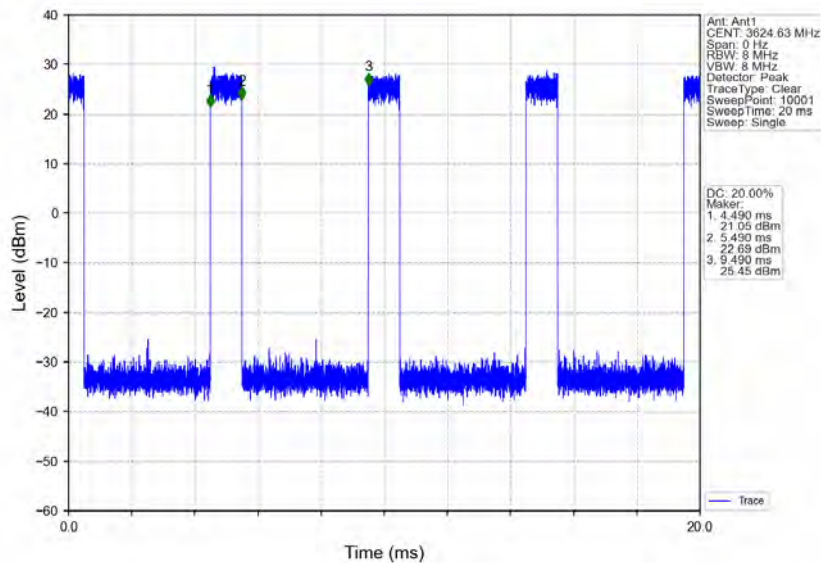
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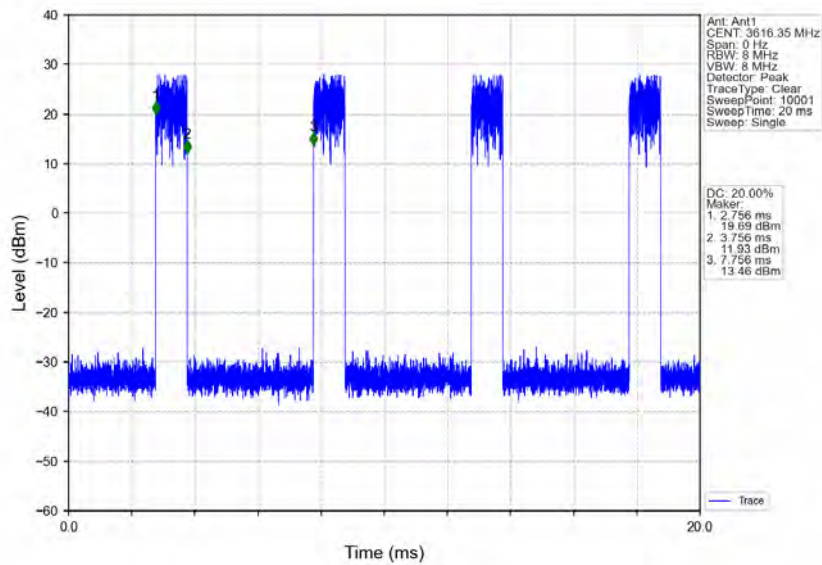
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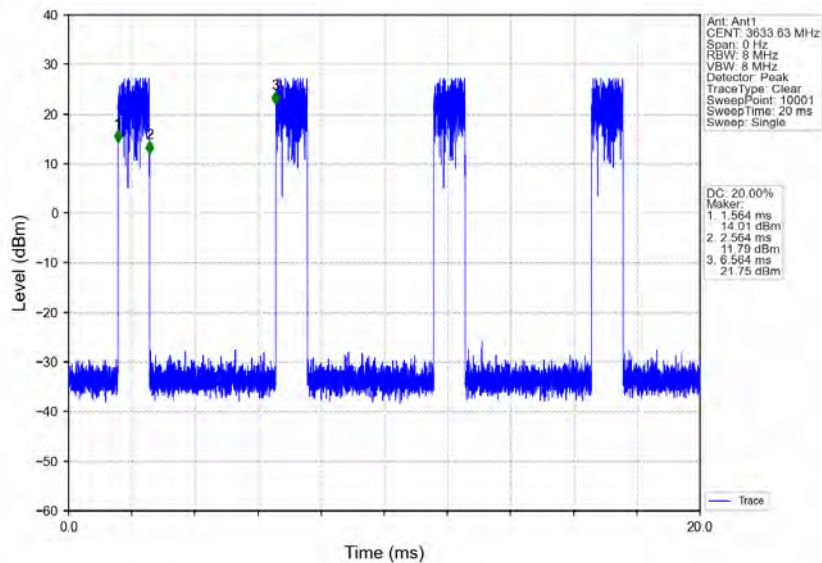
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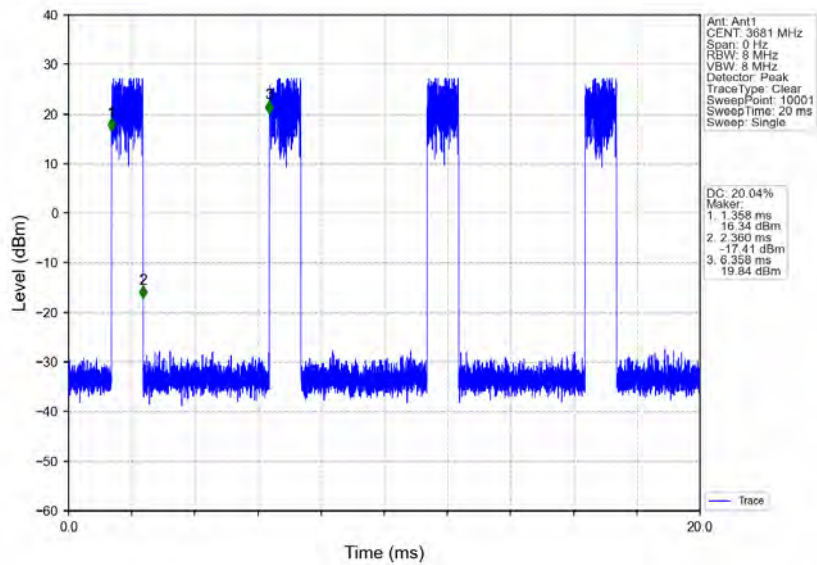
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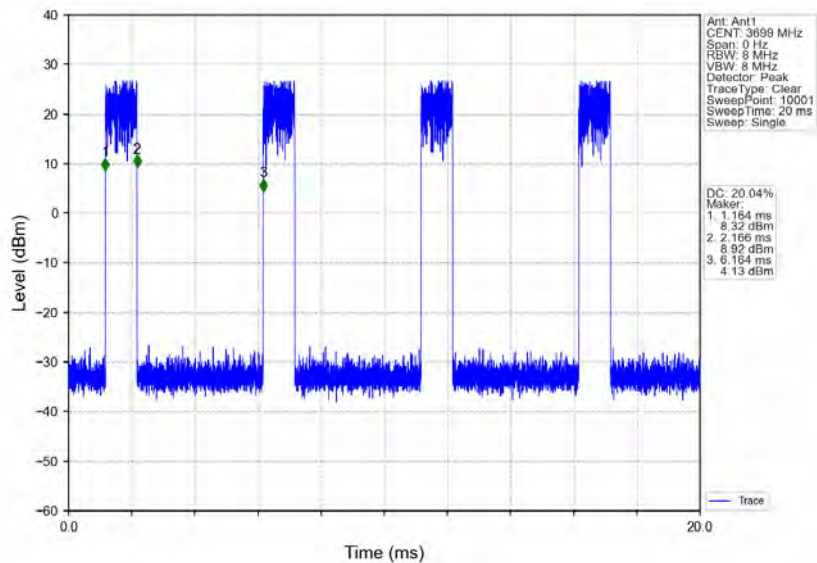
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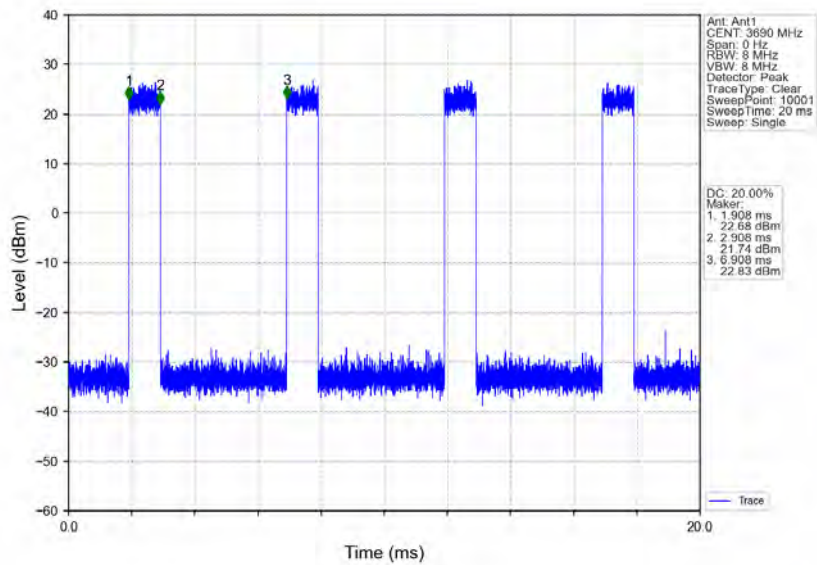
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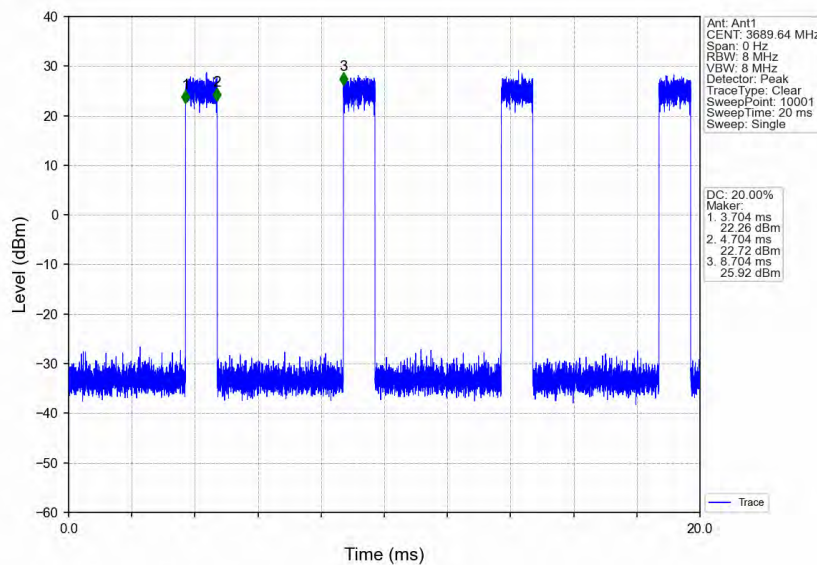
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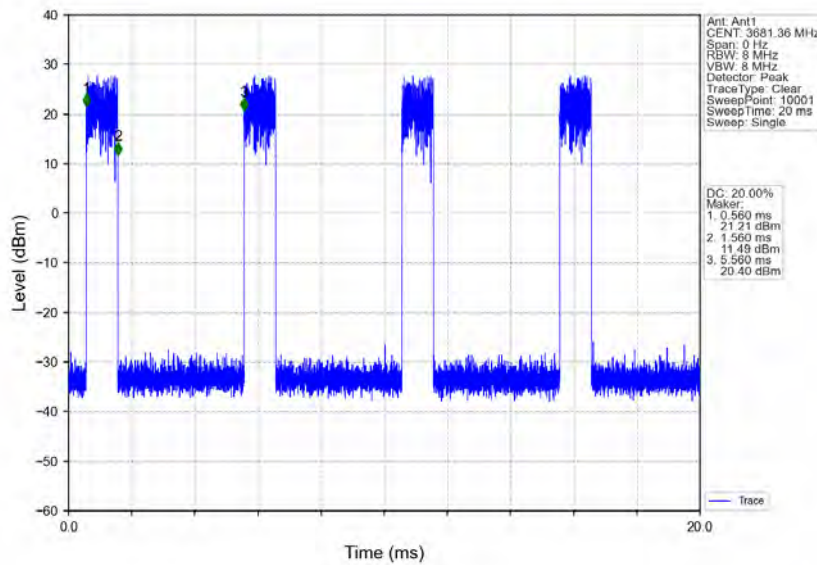


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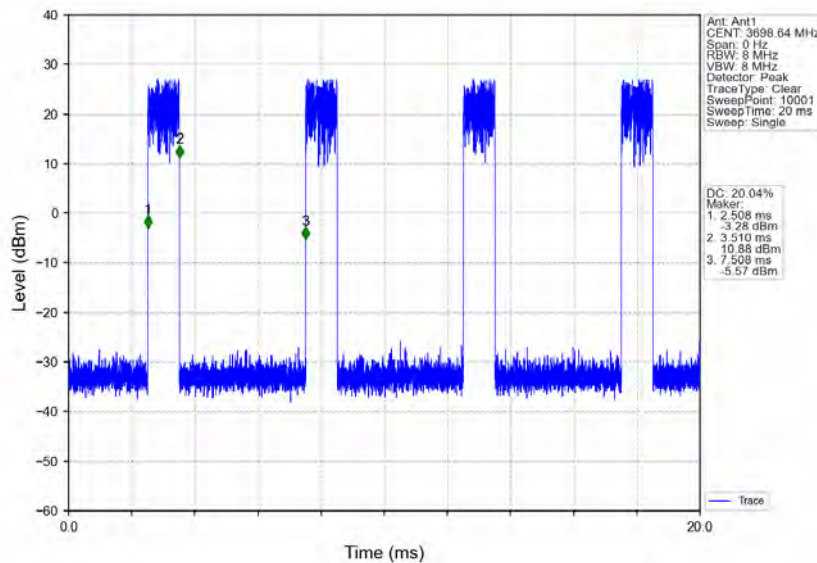
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n48\_30kHz\_MIMO\_NTNV\_20MHz\_CP-OFDM 64 QAM\_3690MHz\_Inner\_1RB\_Left



n48\_30kHz\_MIMO\_NTNV\_20MHz\_CP-OFDM 64 QAM\_3690MHz\_Inner\_1RB\_Right



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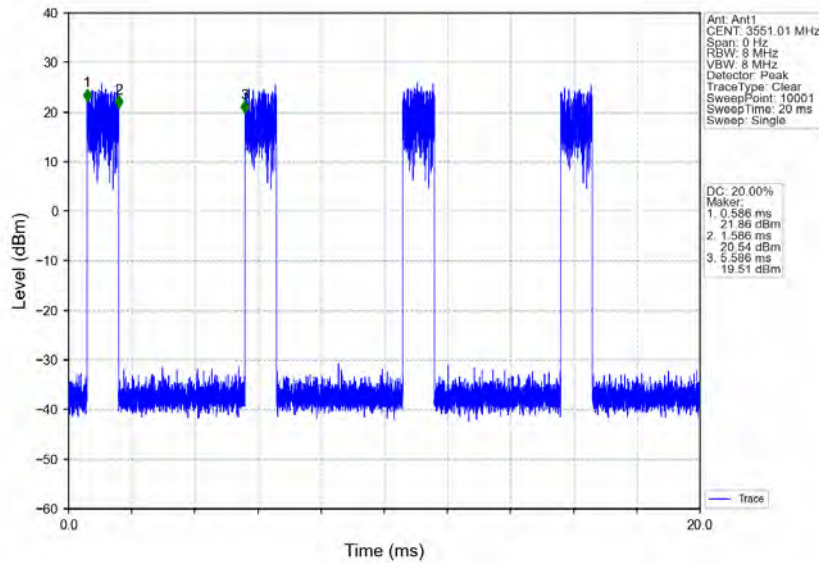
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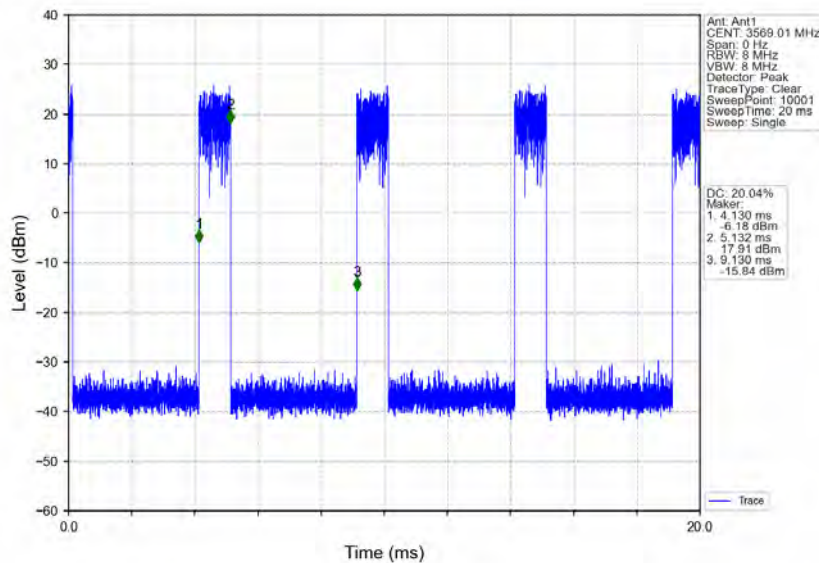
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n48\_30kHz\_MIMO\_NTNV\_20MHz\_CP-OFDM 256 QAM\_3560.01MHz\_Edge\_1RB\_Left



n48\_30kHz\_MIMO\_NTNV\_20MHz\_CP-OFDM 256 QAM\_3560.01MHz\_Edge\_1RB\_Right



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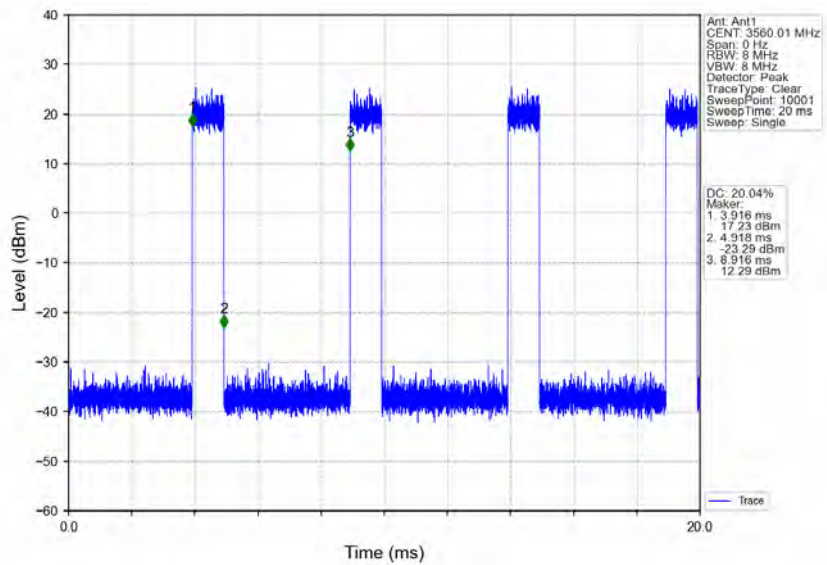
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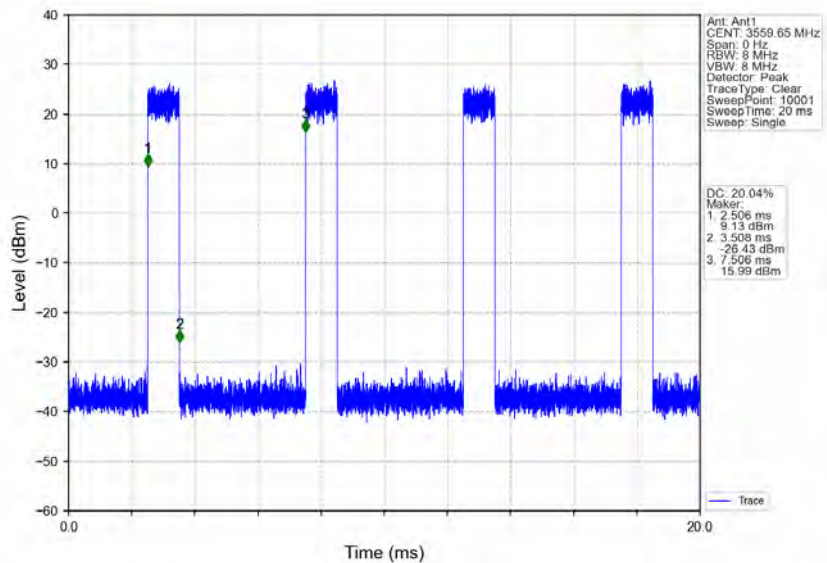
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n48\_30kHz\_MIMO\_NTNV\_20MHz\_CP-OFDM\_256\_QAM\_3560.01MHz\_Outer\_Full



n48\_30kHz\_MIMO\_NTNV\_20MHz\_CP-OFDM\_256\_QAM\_3560.01MHz\_Inner\_Full



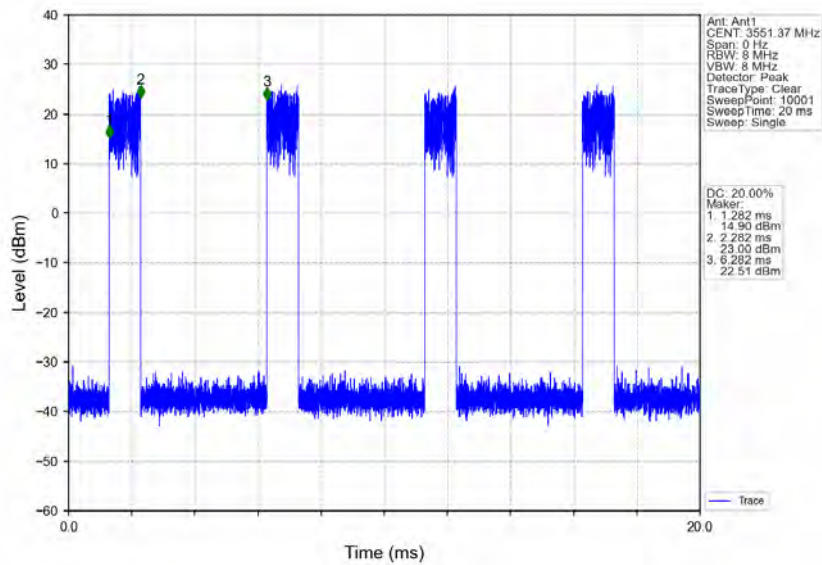
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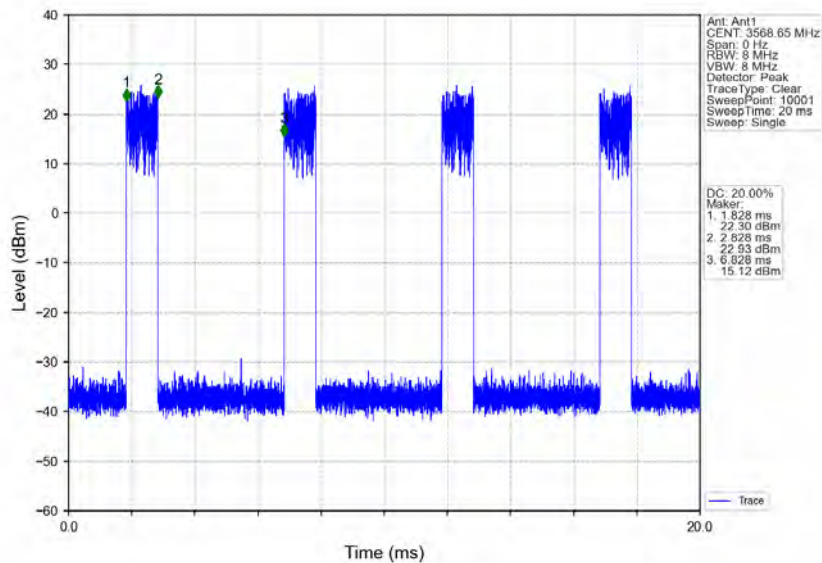
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n48\_30kHz\_MIMO\_NTNV\_20MHz\_CP-OFDM 256 QAM\_3560.01MHz\_Inner\_1RB\_Right



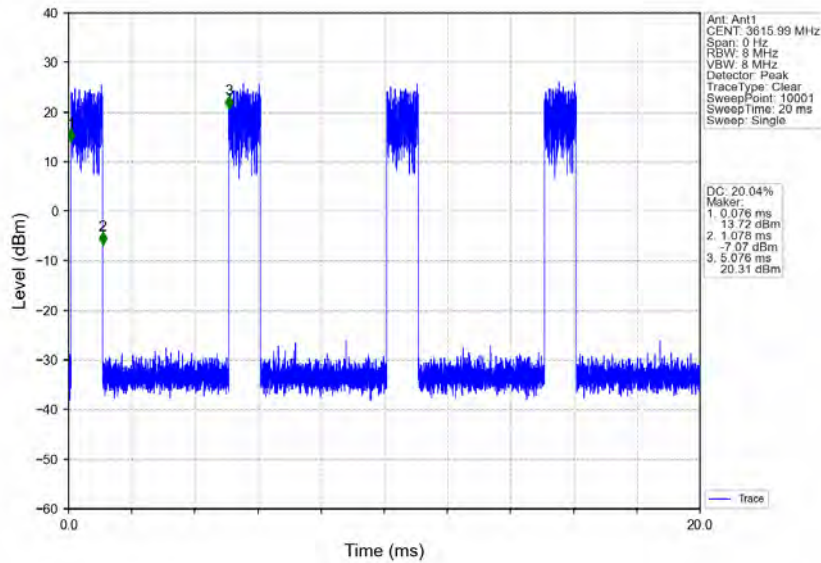
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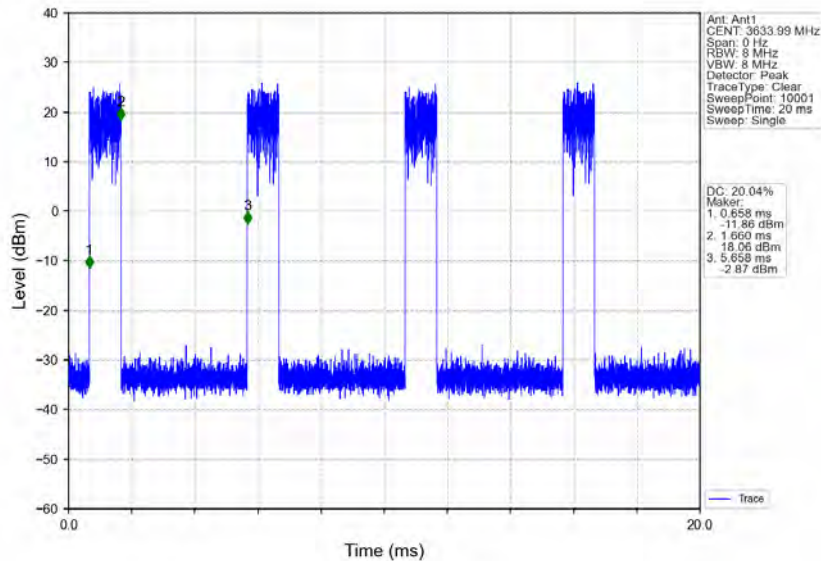
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n48\_30kHz\_MIMO\_NTNV\_20MHz\_CP-OFDM\_256\_QAM\_3624.99MHz\_Edge\_1RB\_Left



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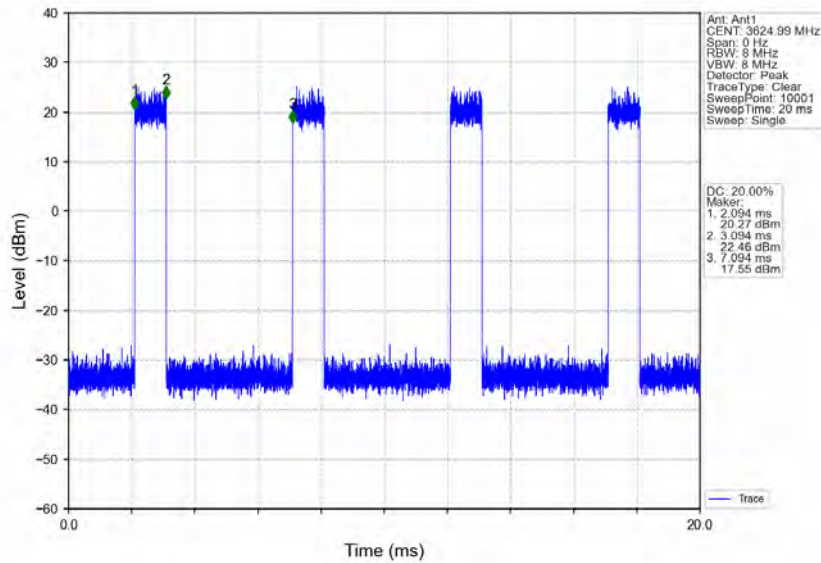
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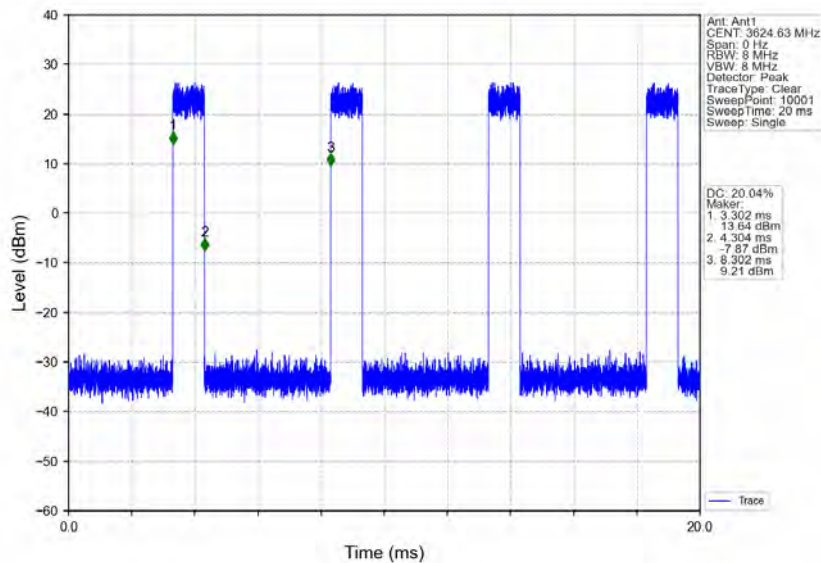
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n48\_30kHz\_MIMO\_NTNV\_20MHz\_CP-OFDM\_256\_QAM\_3624.99MHz\_Outer\_Full



n48\_30kHz\_MIMO\_NTNV\_20MHz\_CP-OFDM\_256\_QAM\_3624.99MHz\_Inner\_Full



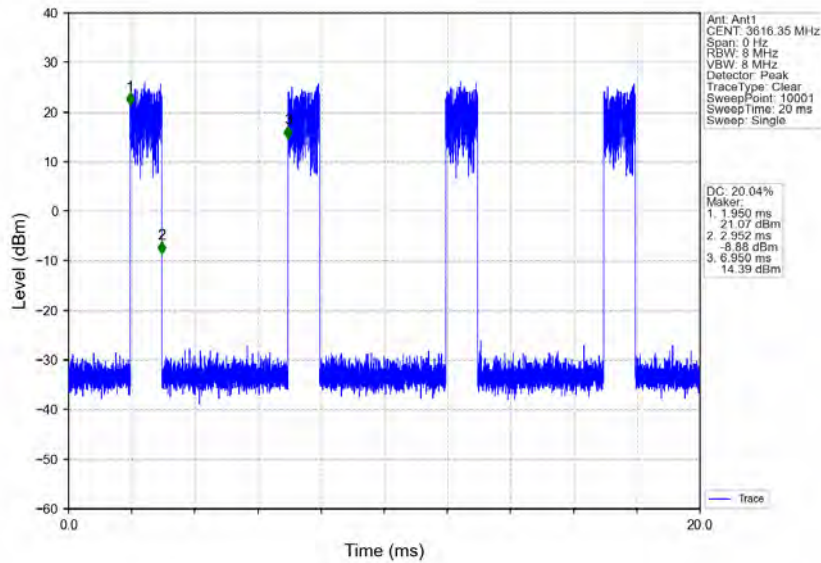
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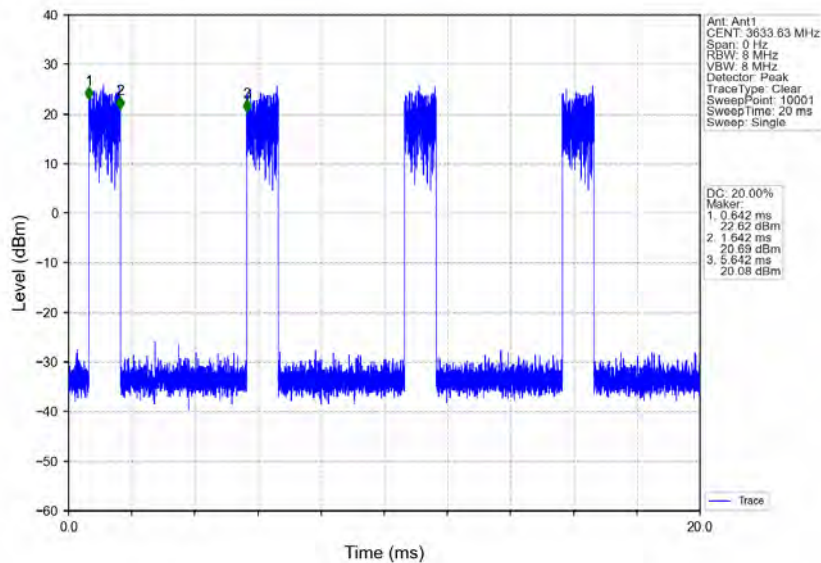
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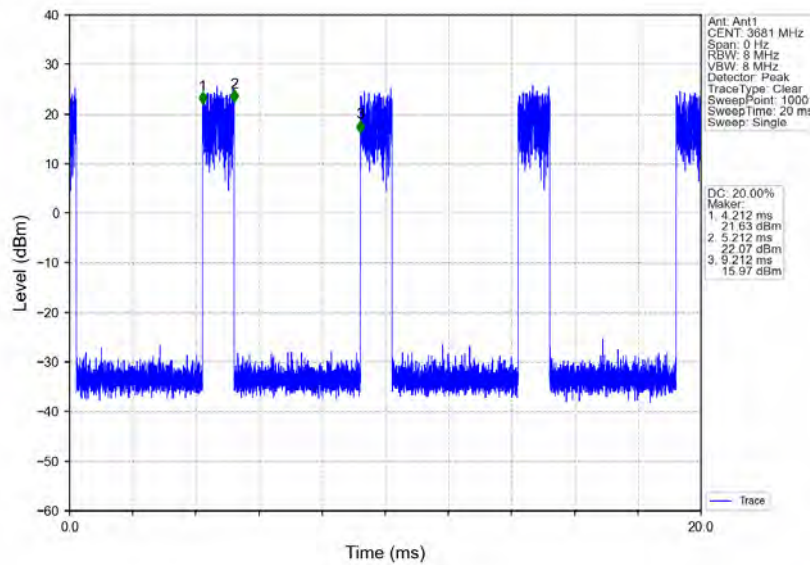
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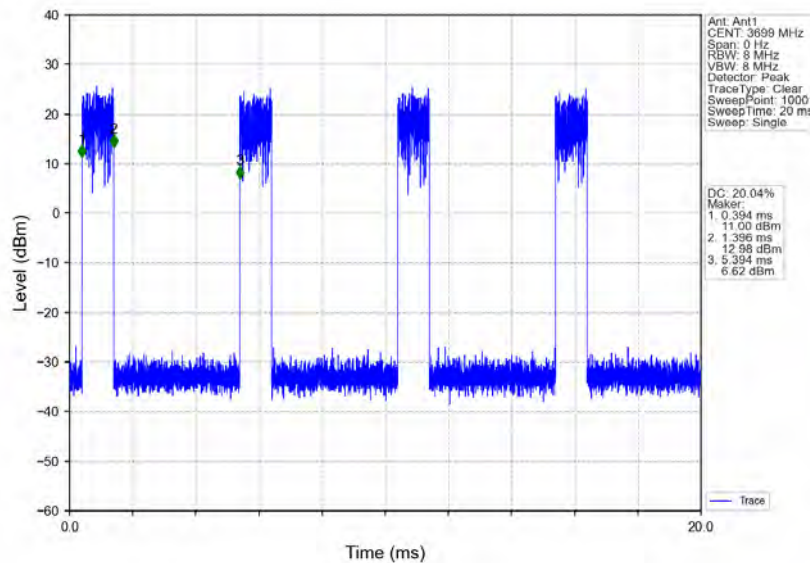
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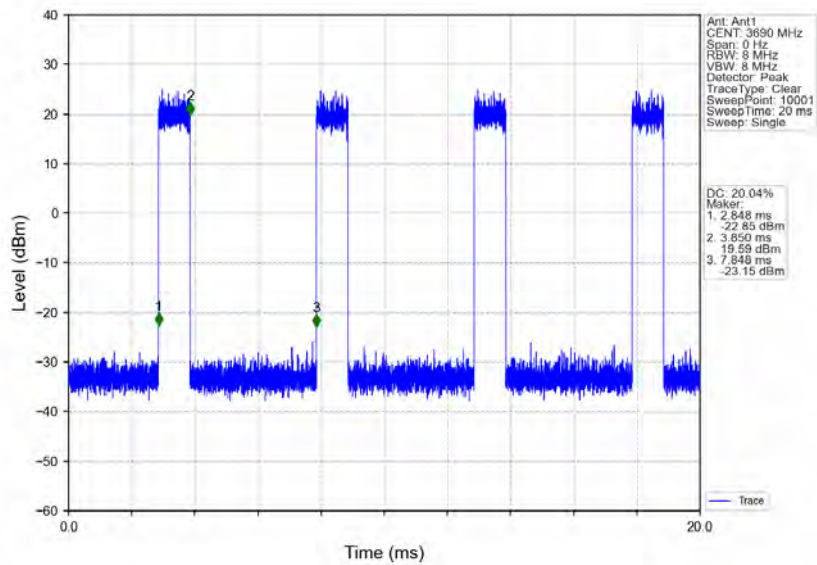
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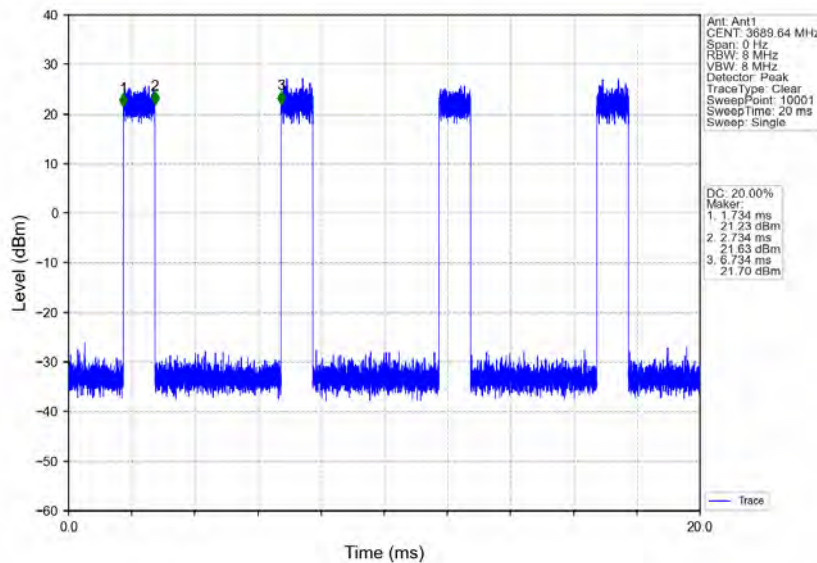
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n48\_30kHz\_MIMO\_NTNV\_20MHz\_CP-OFDM 256 QAM\_3690MHz\_Outer\_Full



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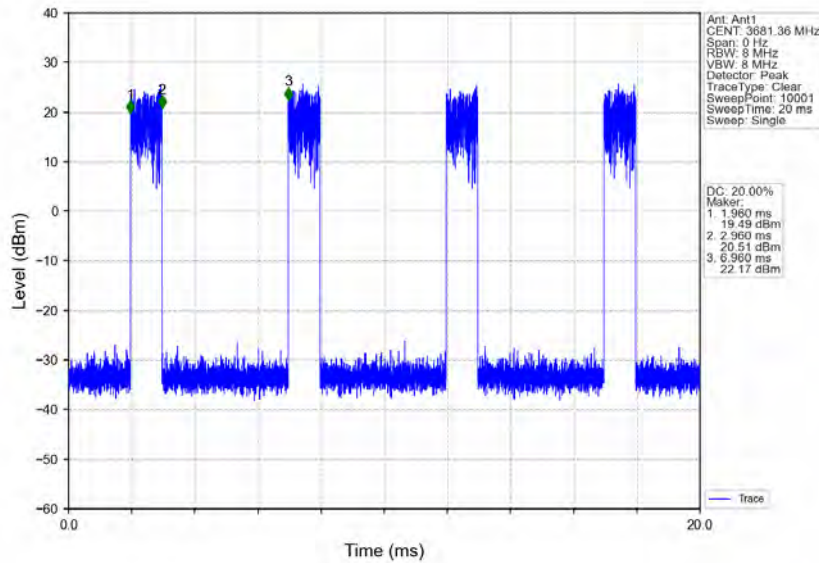
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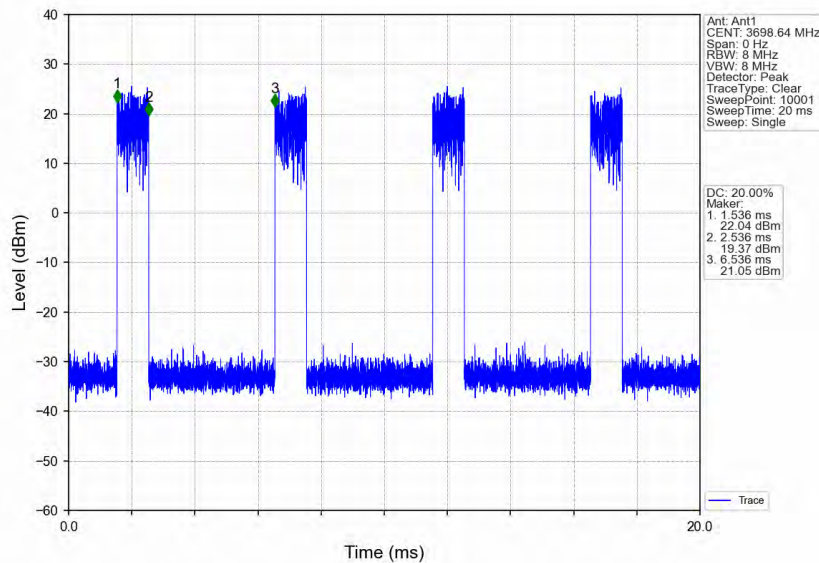
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1.3 30k\_MIMO\_40MHz\_NTNV

1.3.1 Test Result

5G NR n48 SCS=30kHz MIMO 40MHz NTVV							
Modulation	Frequency (MHz)	RB Allocation	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
CP-OFDM QPSK	3570	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	1.004	5.000	20.08	6.97	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
		Outer_Full	1.000	5.000	20.00	6.99	0.03
		Inner_Full	1.002	5.000	20.04	6.98	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
	3679.98	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	1.002	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
CP-OFDM 16 QAM	3570	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	1.002	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	4.998	20.01	6.99	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
	3679.98	Edge_1RB_Left	1.000	5.000	20.00	6.99	0.03
		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	1.000	5.000	20.00	6.99	0.00
CP-OFDM 64 QAM	3570	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	1.002	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	1.002	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
	3679.98	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	1.000	5.000	20.00	6.99	0.04
			1.000	4.998	20.01	6.99	0.02
		Inner_1RB_Left	1.000	5.000	20.00	6.99	0.00
			1.002	5.000	20.04	6.98	0.00

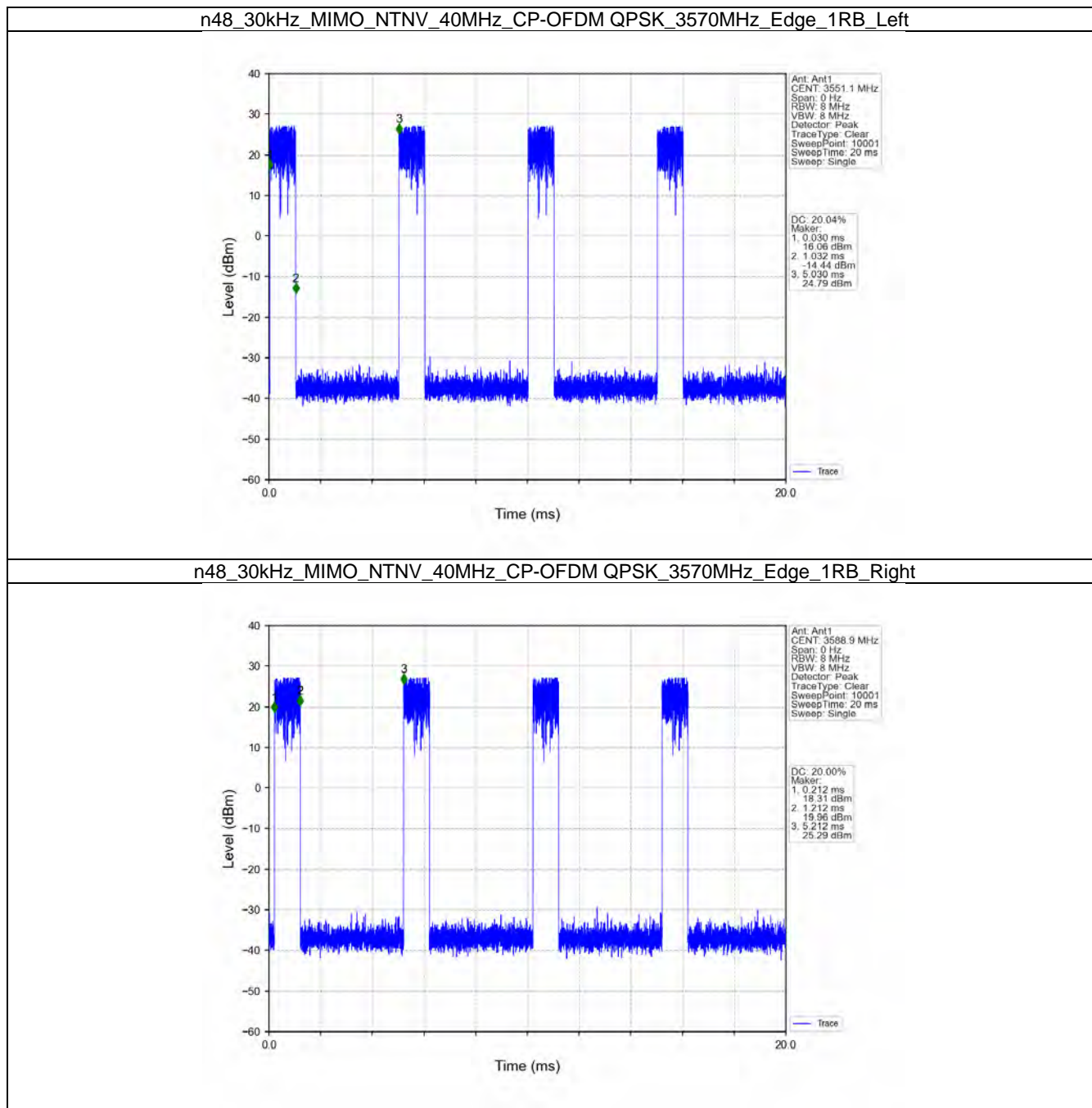
CP-OFDM 256 QAM	3570	Edge_1RB_Left	1.002	5.000	20.04	6.98	0.00
		Edge_1RB_Right	1.000	5.000	20.00	6.99	0.00
		Outer_Full	1.002	5.000	20.04	6.98	0.00
			1.000	4.998	20.01	6.99	0.07
		Inner_1RB_Left	1.000	5.000	20.00	6.99	0.00
			1.000	5.000	20.00	6.99	0.00
	3624.99	Edge_1RB_Left	1.000	5.000	20.00	6.99	0.00
			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
	3679.98	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	1.000	5.000	20.00	6.99	0.04
			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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## 1.3.2 Test Graph



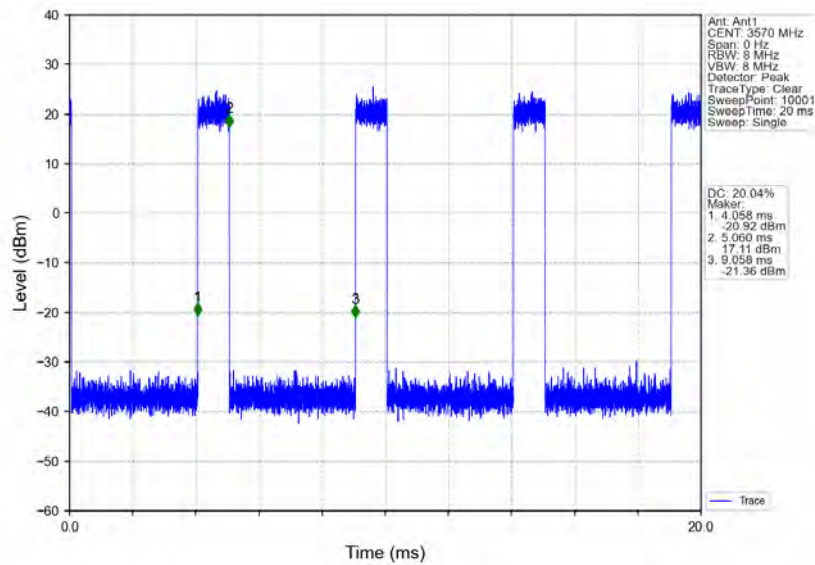
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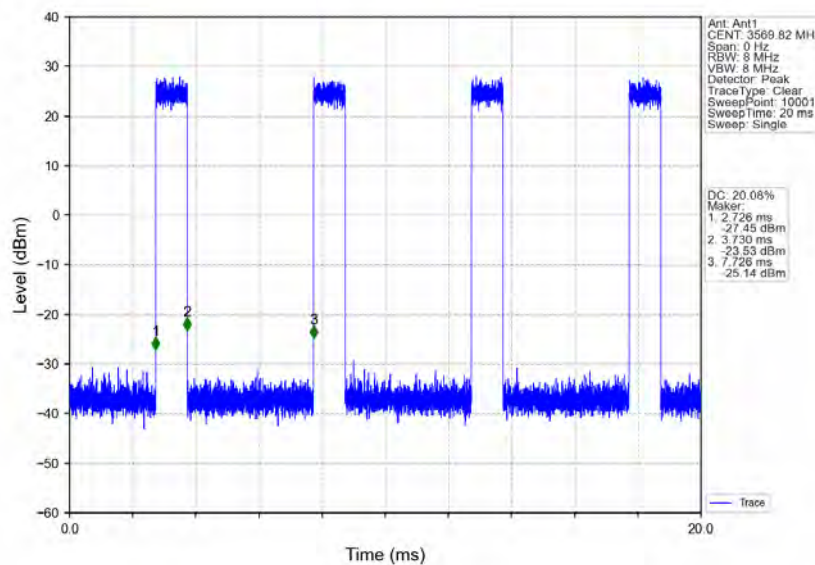
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n48\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM QPSK\_3570MHz\_Outer\_Full



n48\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM QPSK\_3570MHz\_Inner\_Full



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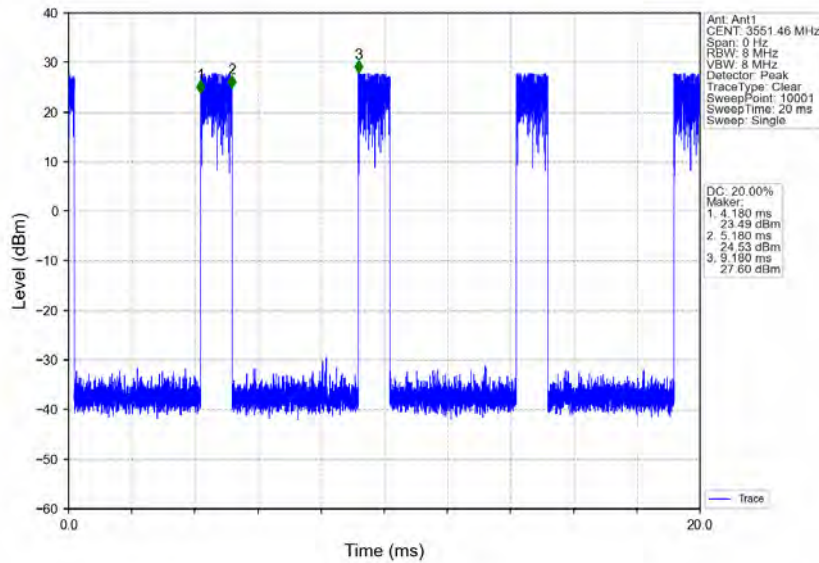
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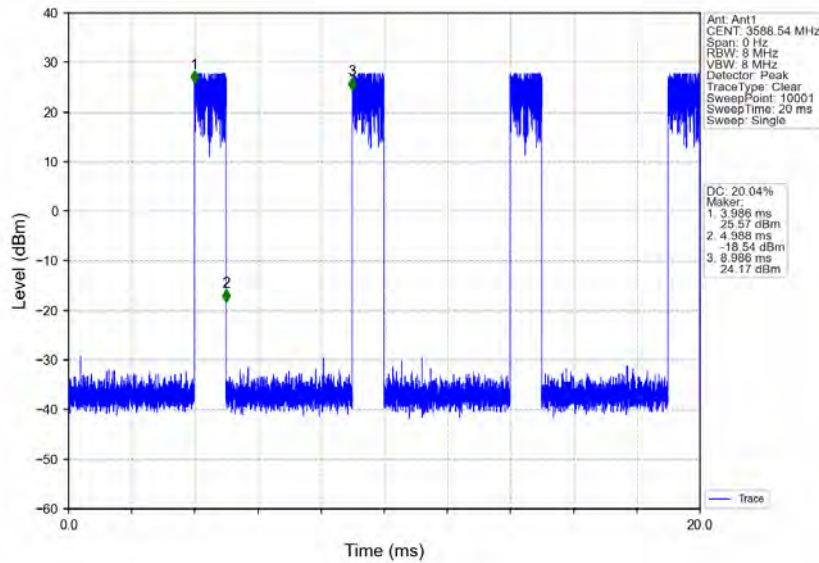
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n48\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM QPSK\_3570MHz\_Inner\_1RB\_Left



n48\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM QPSK\_3570MHz\_Inner\_1RB\_Right



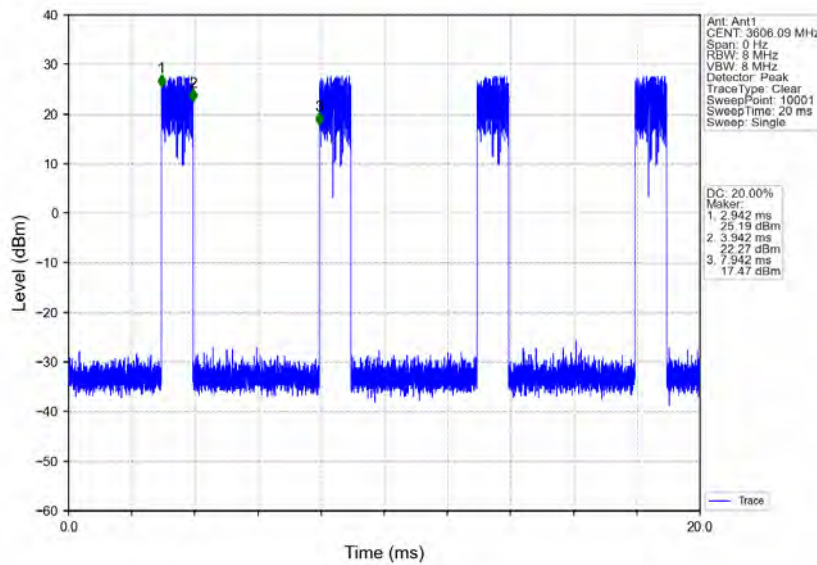
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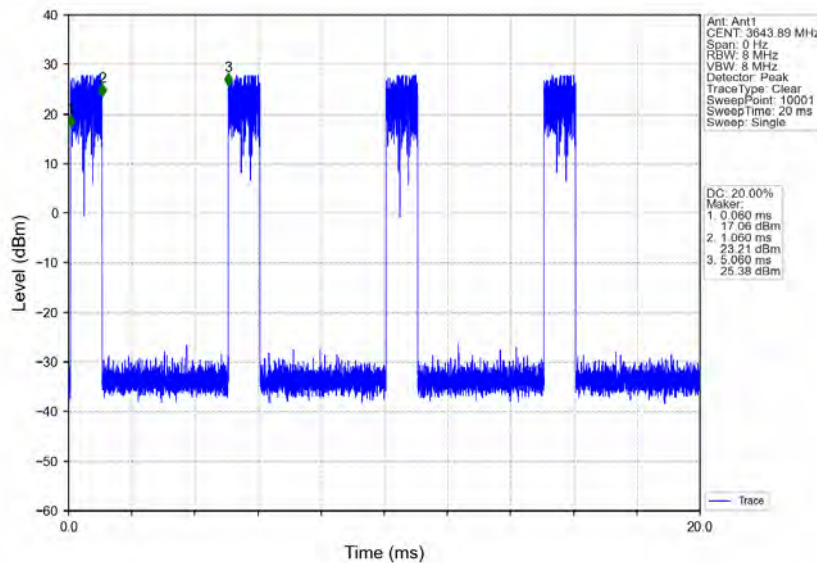
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n48\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM QPSK\_3624.99MHz\_Edge\_1RB\_Left



n48\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM QPSK\_3624.99MHz\_Edge\_1RB\_Right



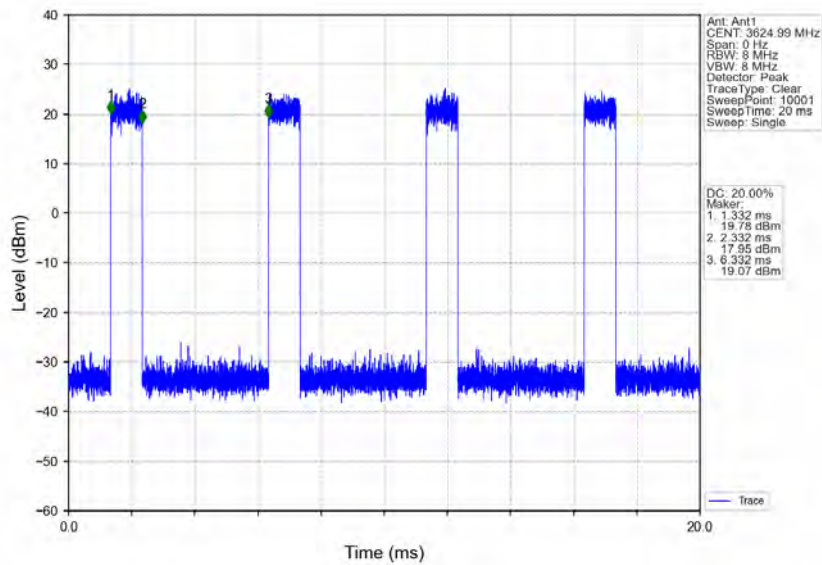
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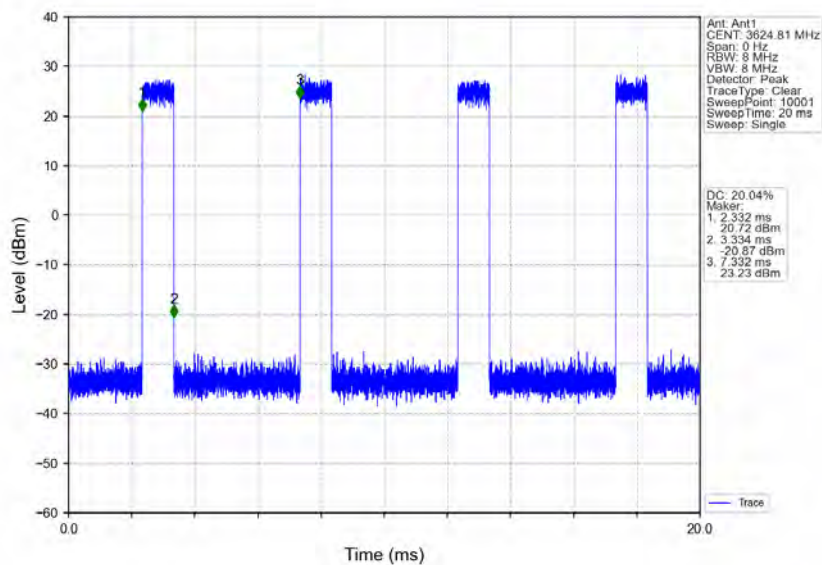
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n48\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM\_QPSK\_3624.99MHz\_Outer\_Full



n48\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM\_QPSK\_3624.99MHz\_Inner\_Full



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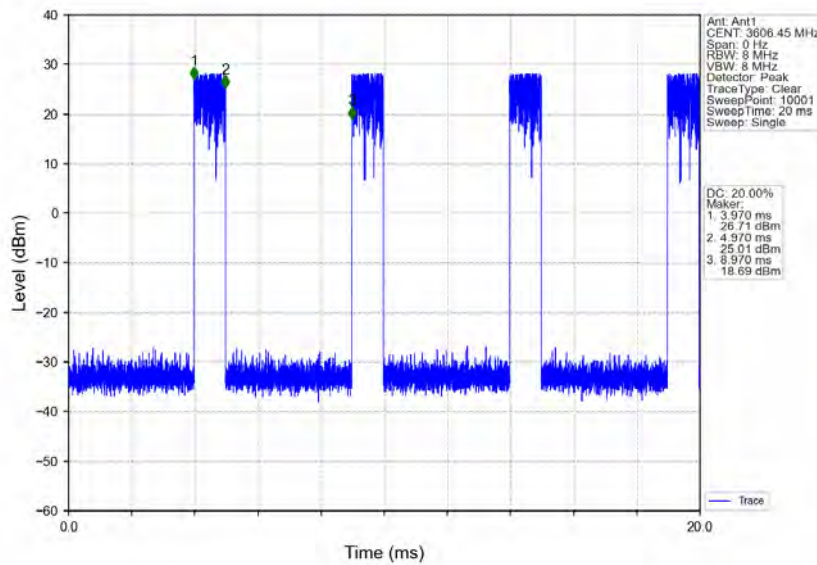
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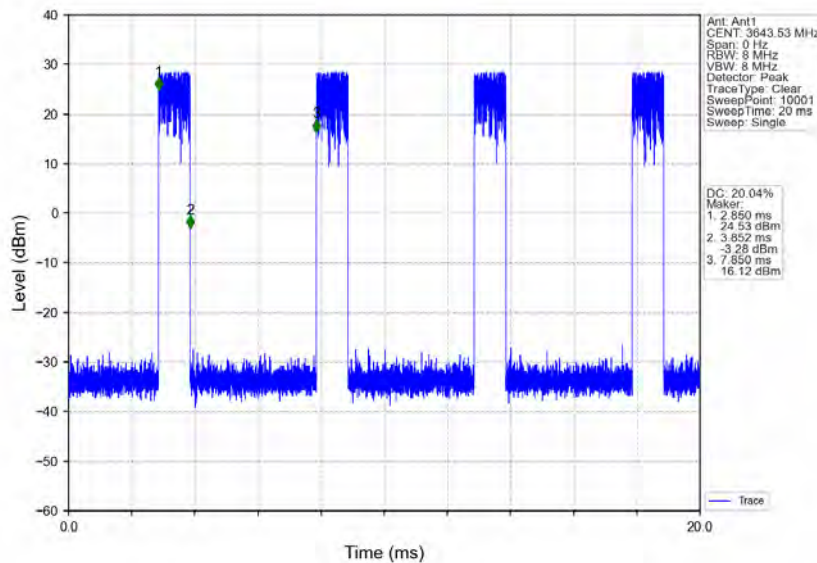
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n48\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM QPSK\_3624.99MHz\_Inner\_1RB\_Right



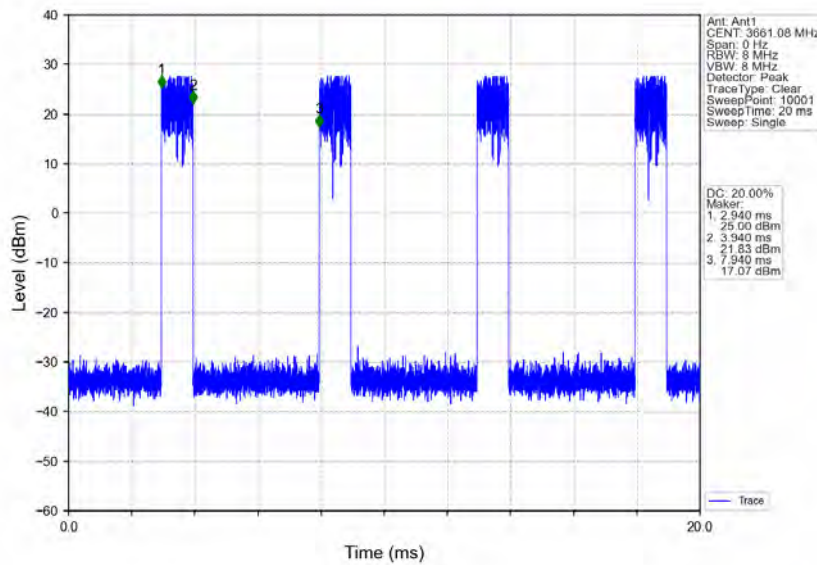
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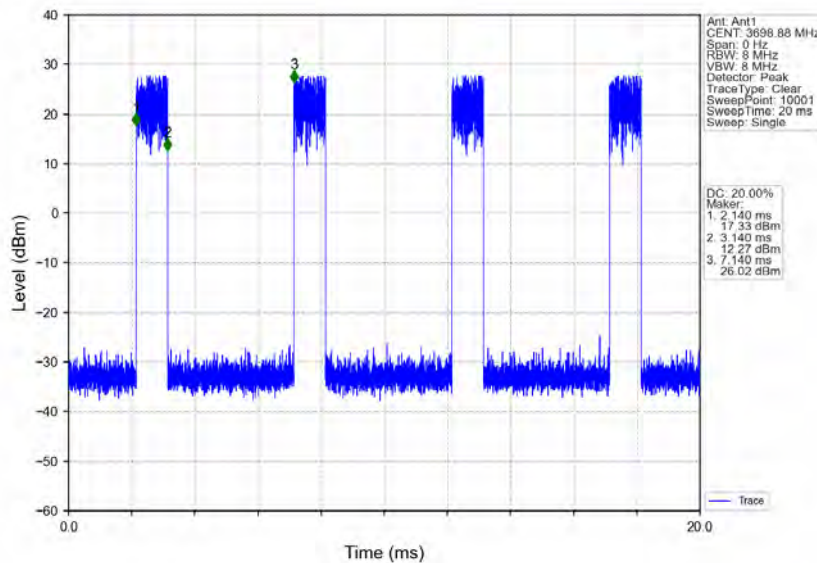
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n48\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM QPSK\_3679.98MHz\_Edge\_1RB\_Left



n48\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM QPSK\_3679.98MHz\_Edge\_1RB\_Right

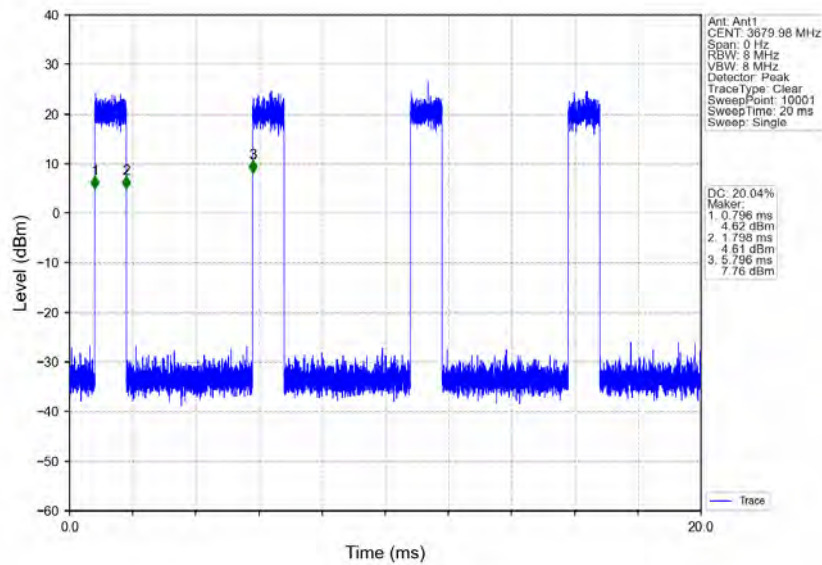


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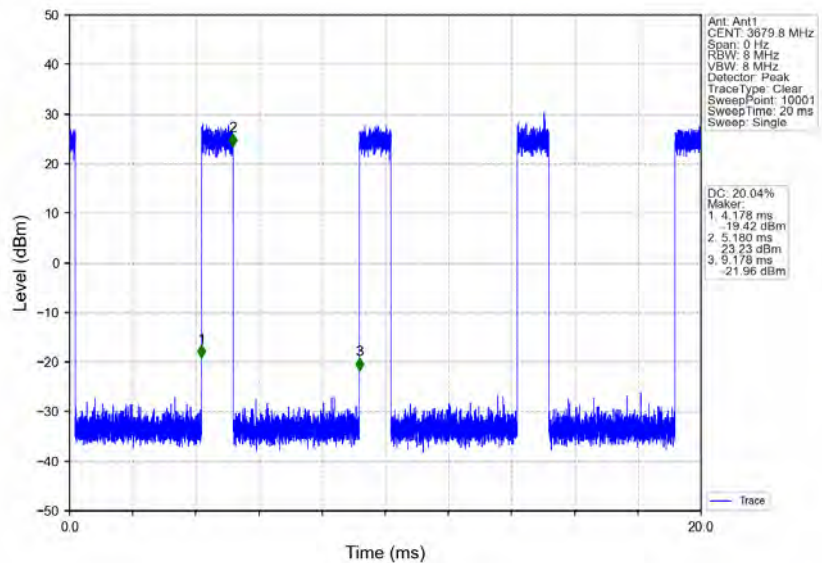
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n48\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM QPSK\_3679.98MHz\_Outer\_Full



n48\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM QPSK\_3679.98MHz\_Inner\_Full



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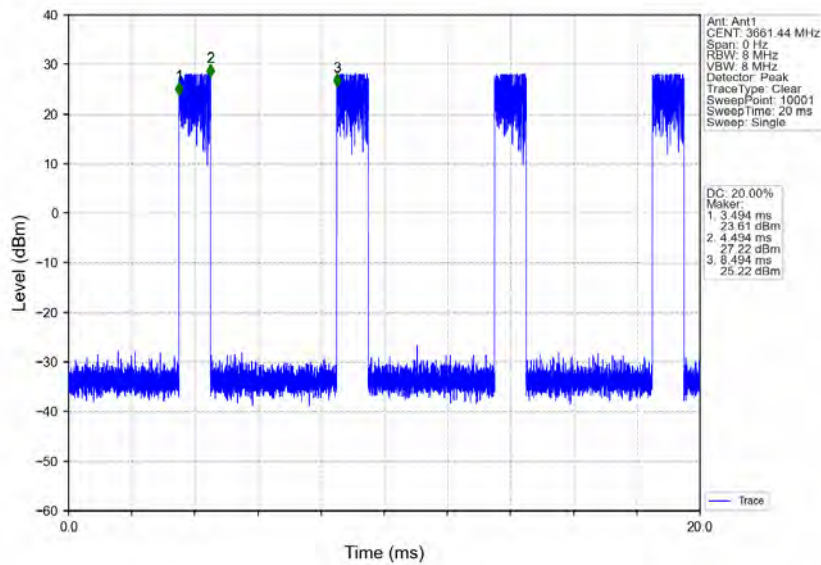
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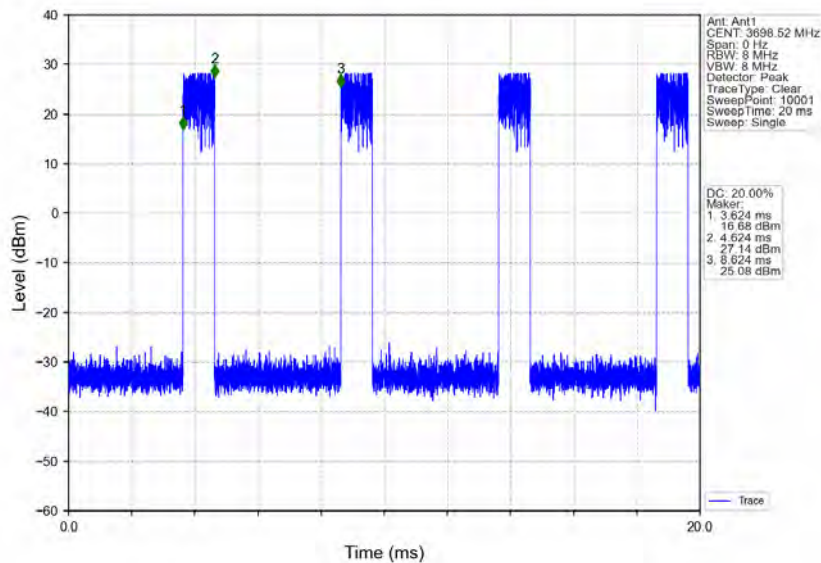
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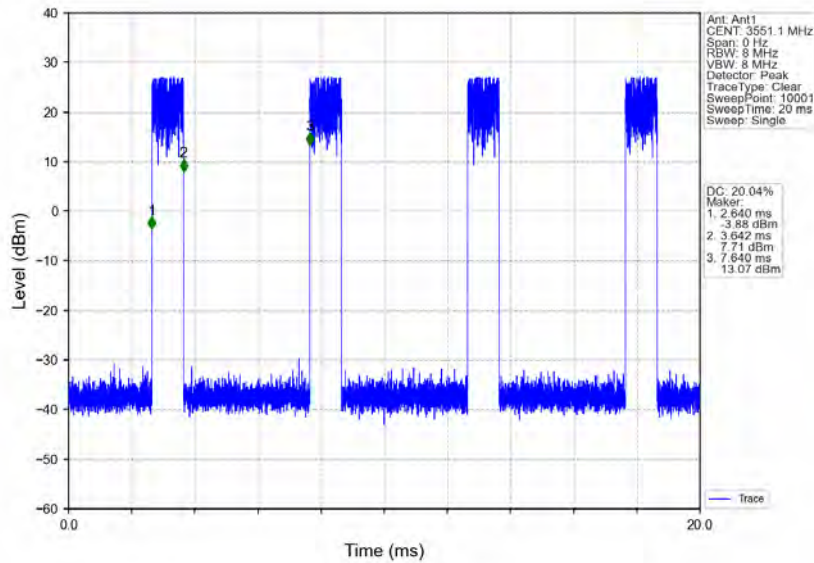
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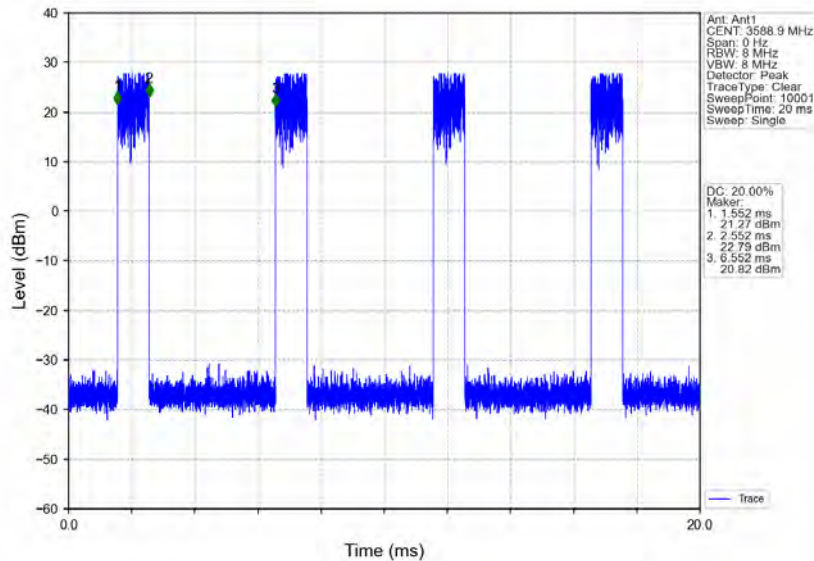
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n48\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM\_16 QAM\_3570MHz\_Edge\_1RB\_Left



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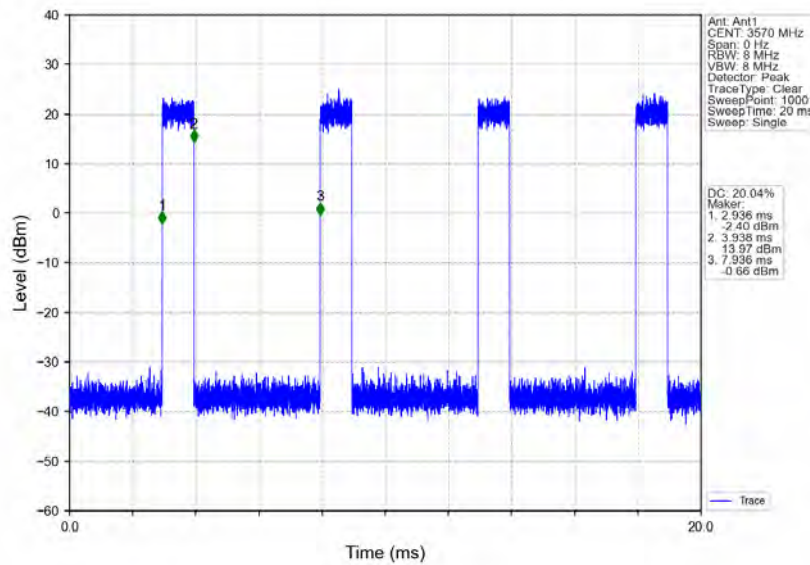
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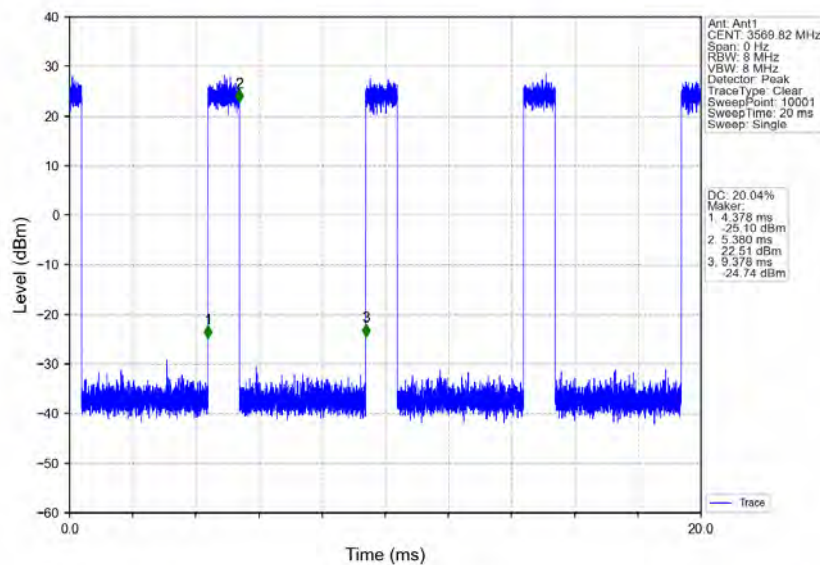
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n48\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM\_16 QAM\_3570MHz\_Outer\_Full



n48\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM\_16 QAM\_3570MHz\_Inner\_Full



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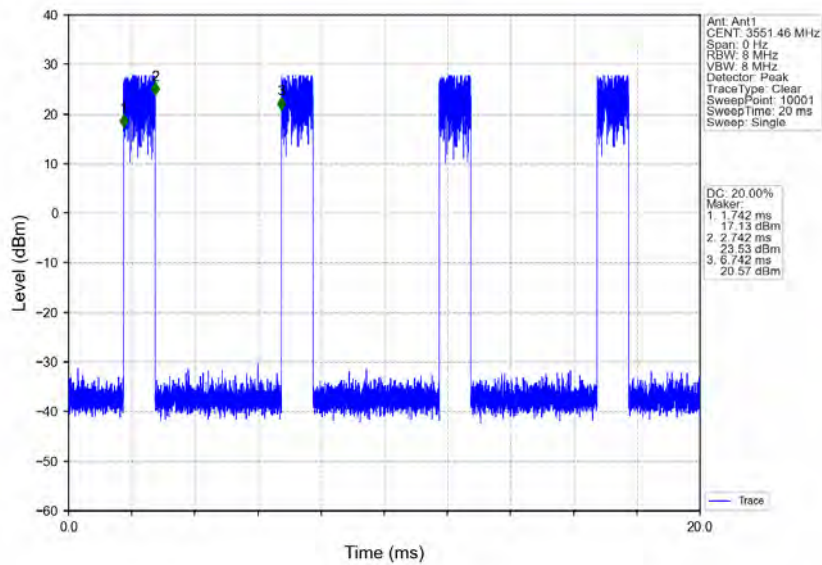
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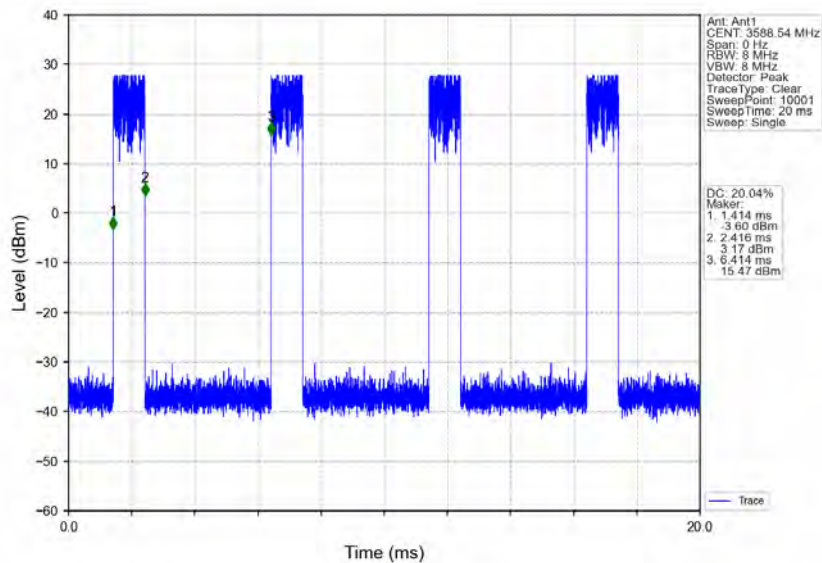
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n48\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM 16 QAM\_3570MHz\_Inner\_1RB\_Left



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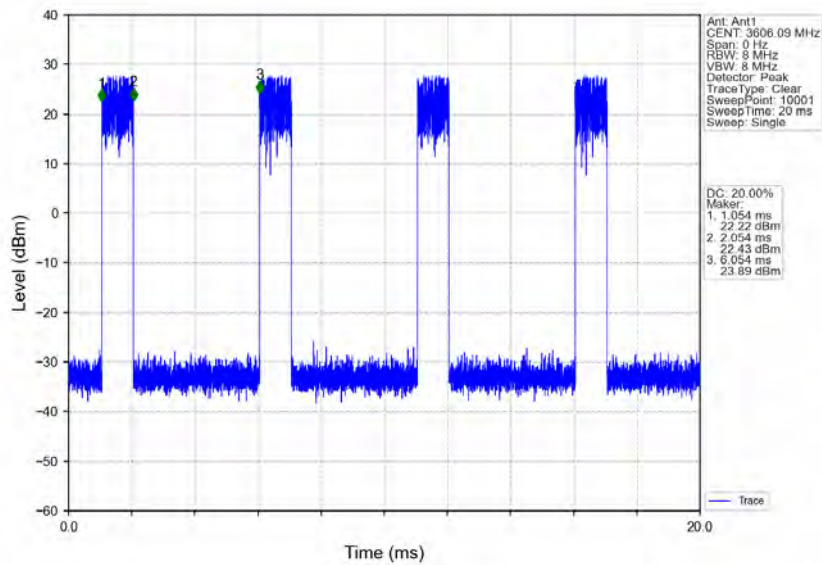
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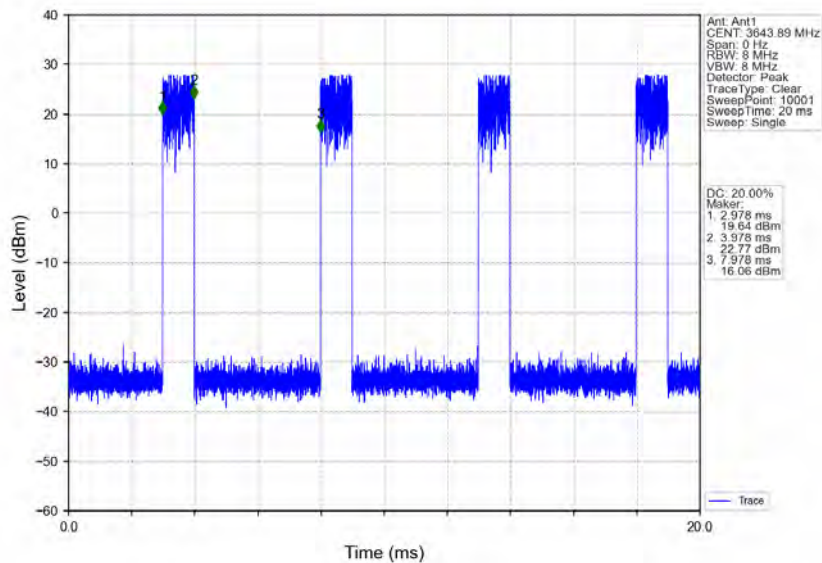
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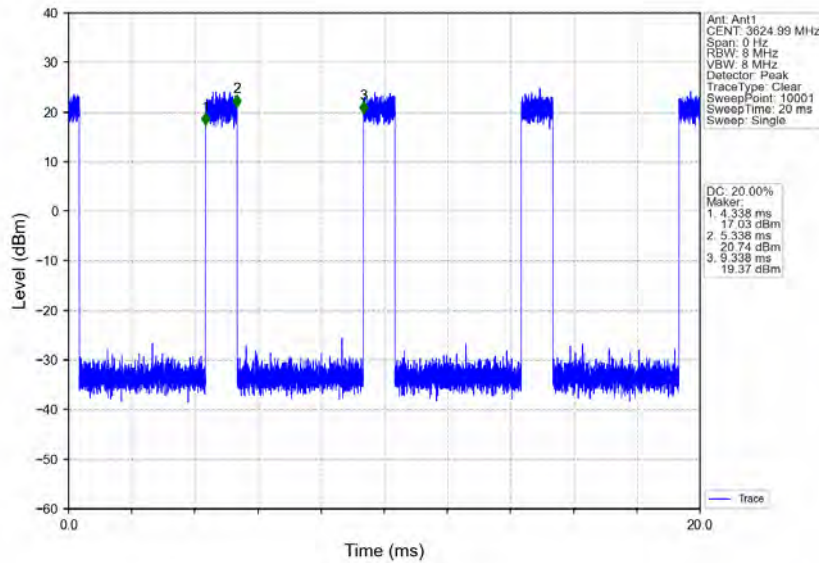
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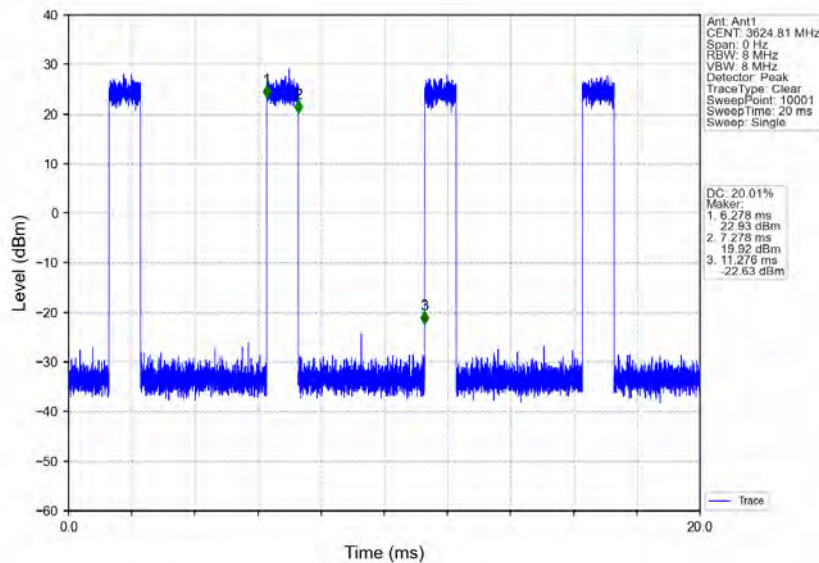
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n48\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM 16 QAM\_3624.99MHz\_Outer\_Full



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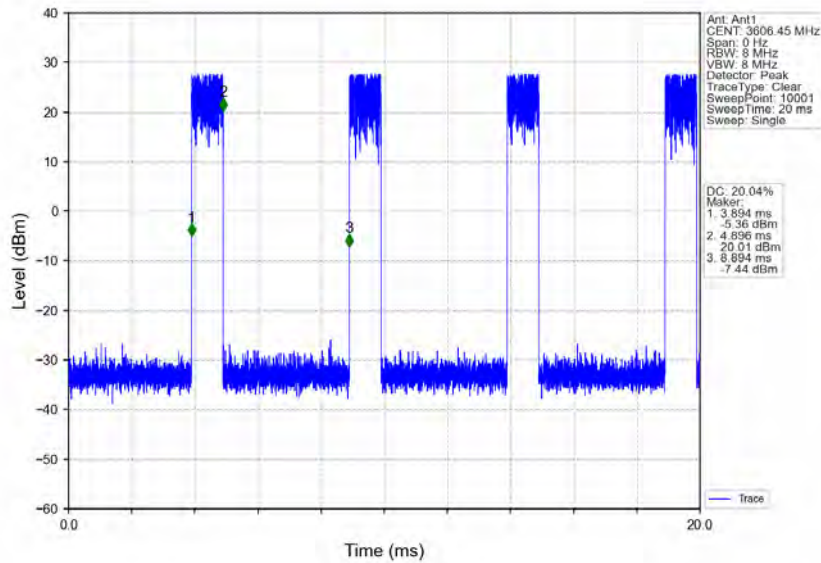
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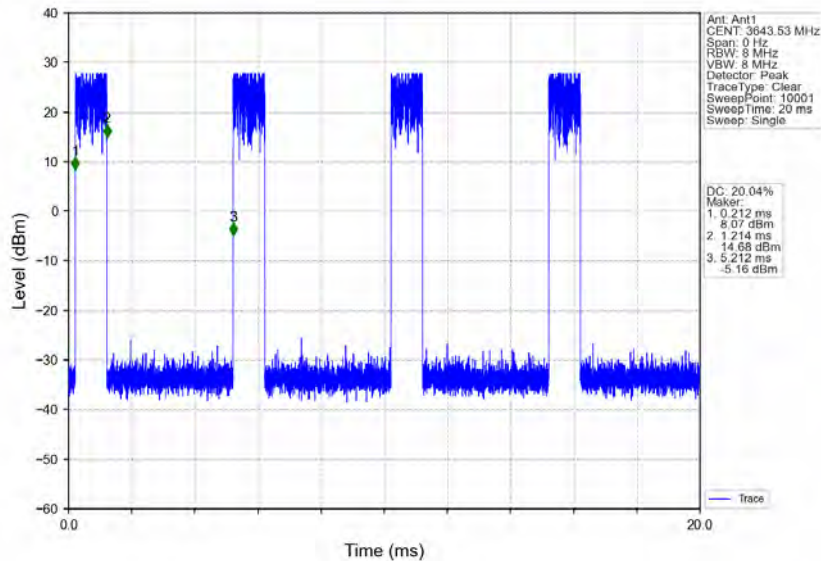
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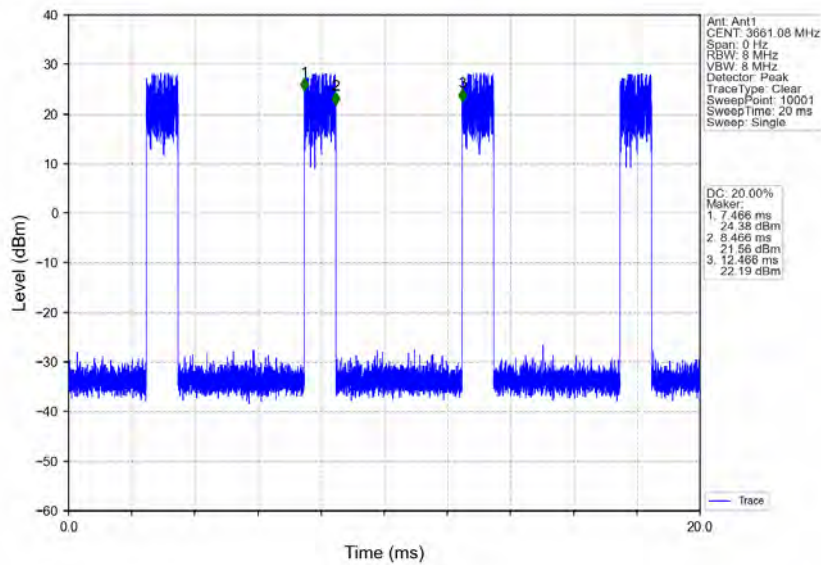
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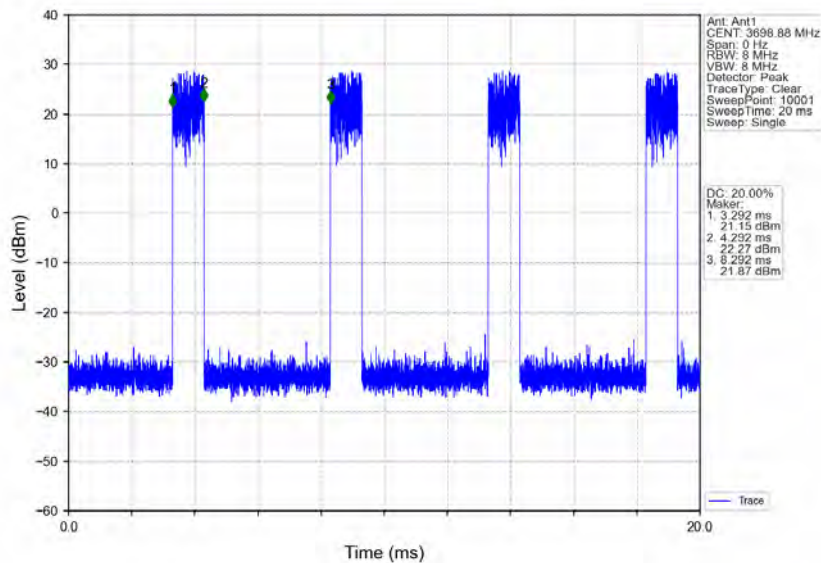
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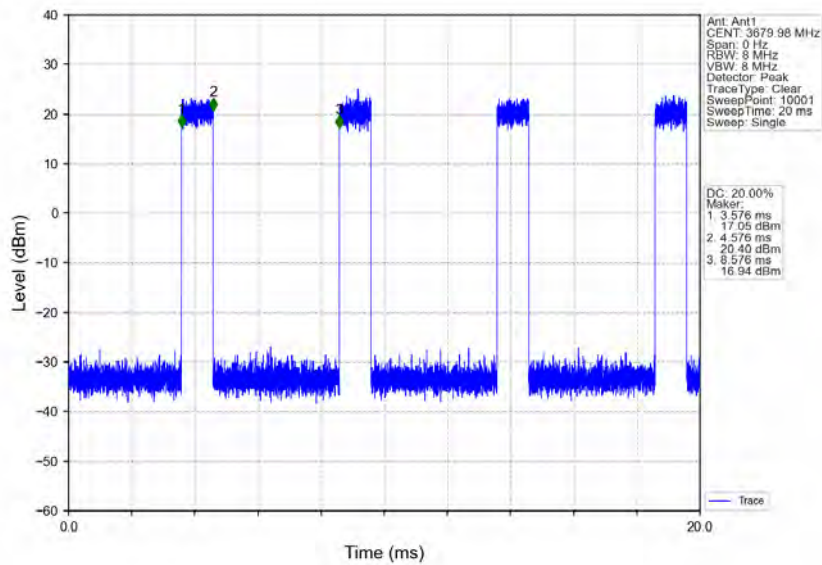
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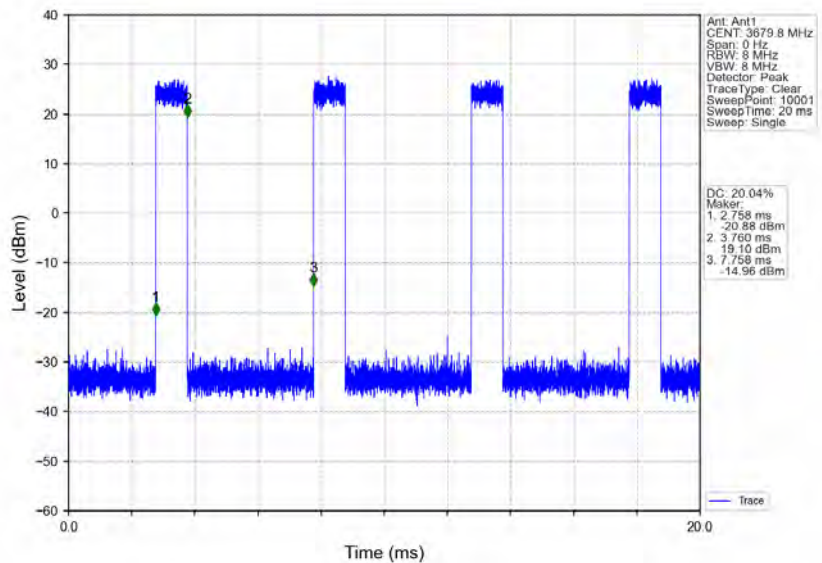
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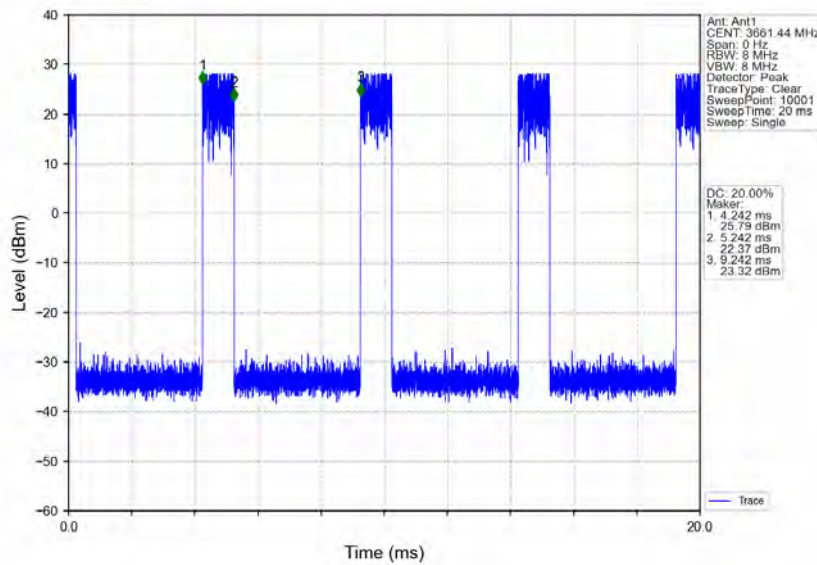
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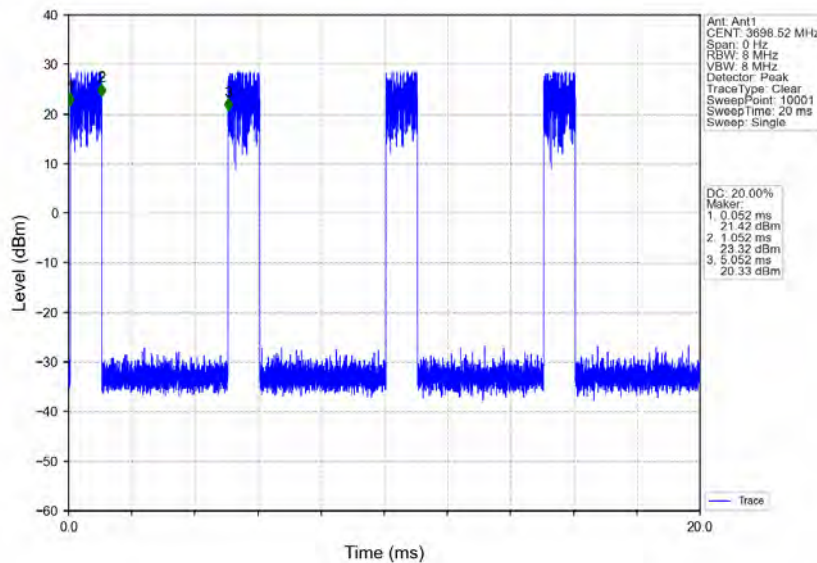
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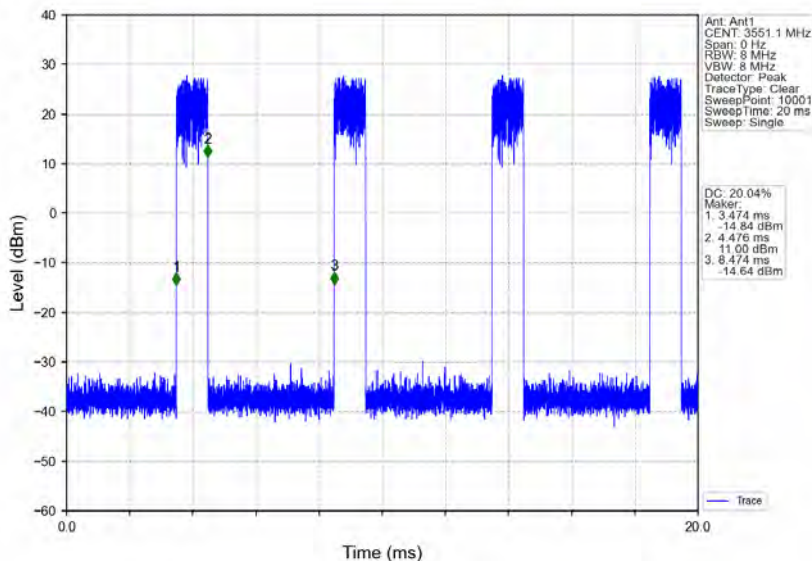
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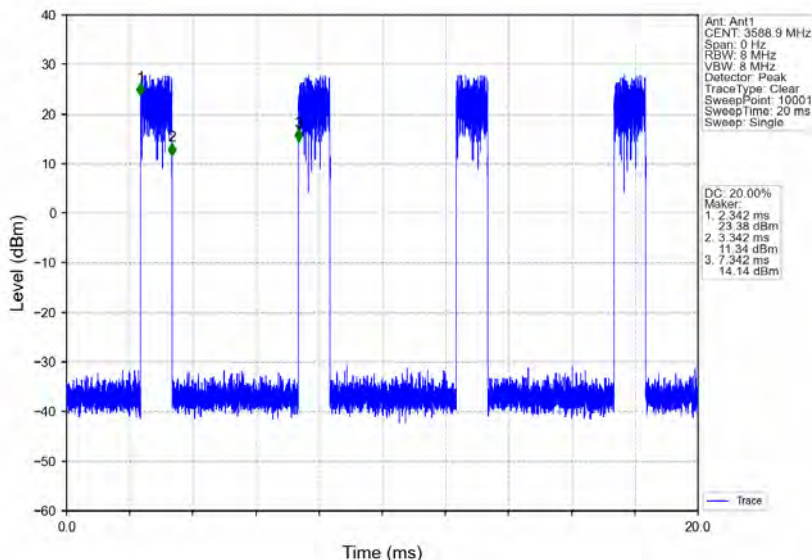
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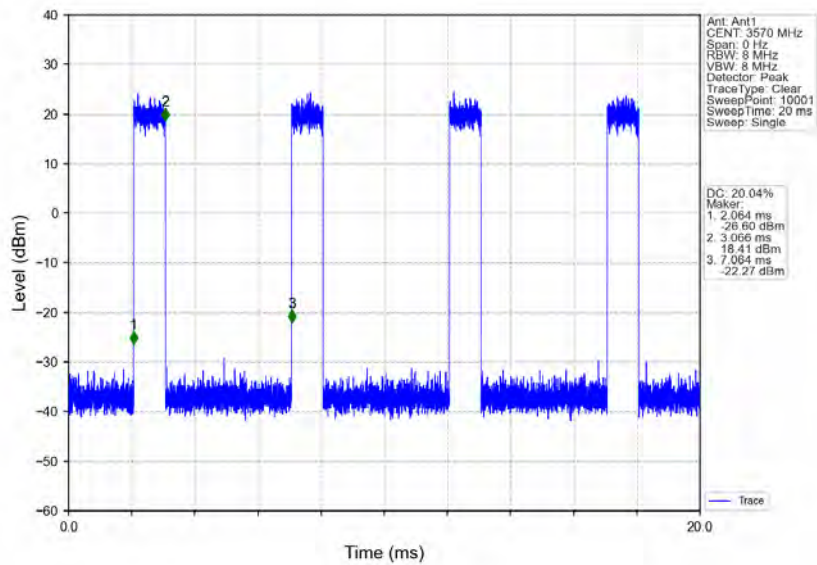
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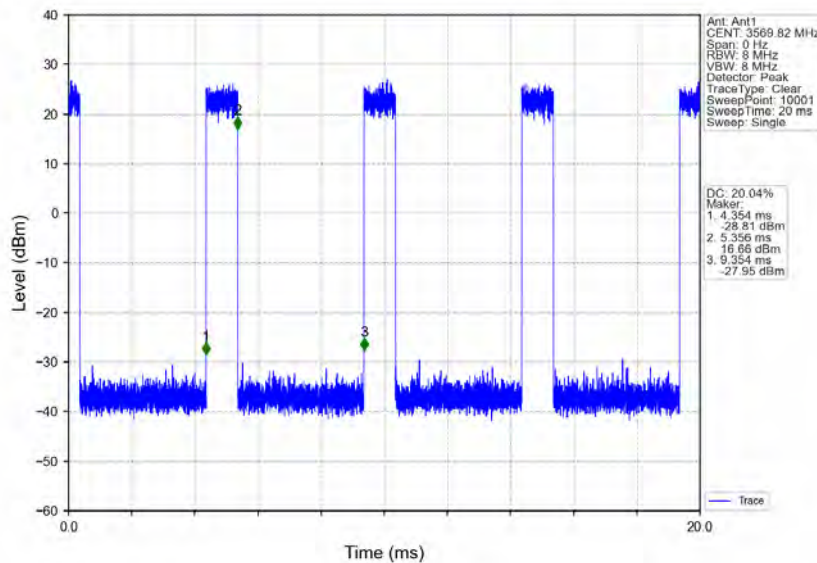
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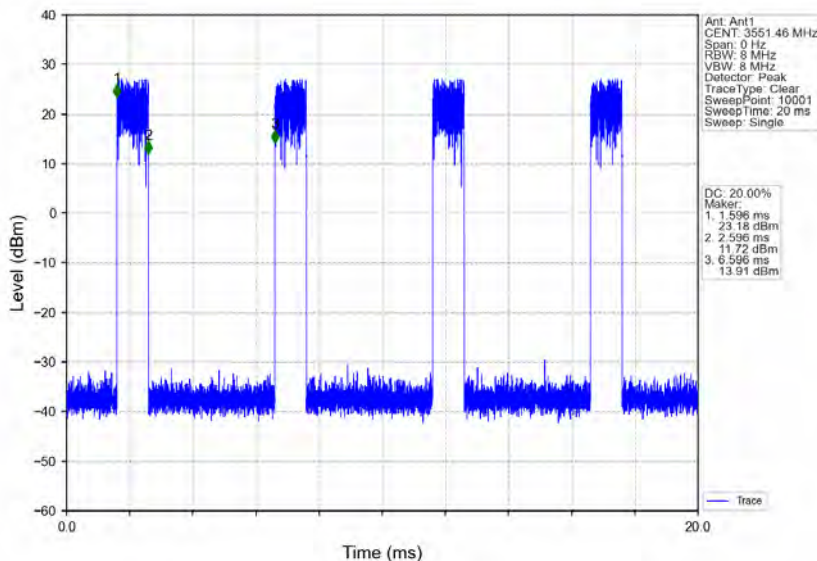
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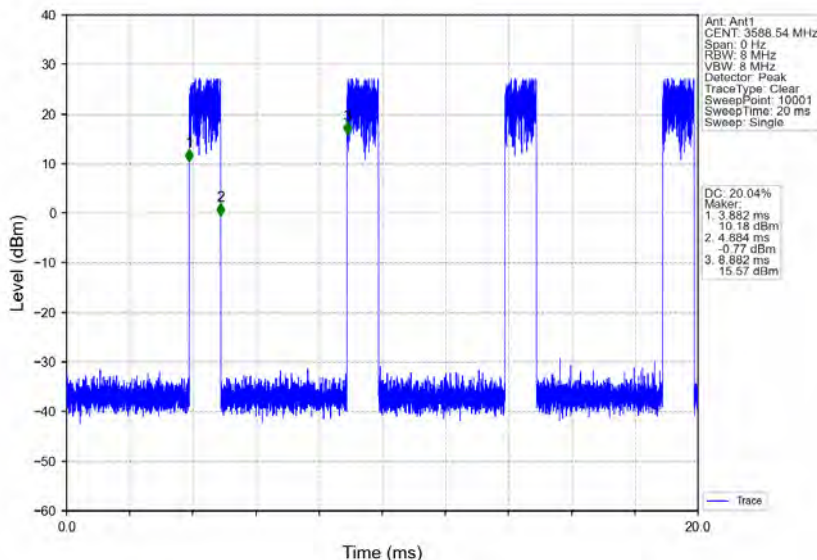
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n48\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3570MHz\_Inner\_1RB\_Left



n48\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3570MHz\_Inner\_1RB\_Right



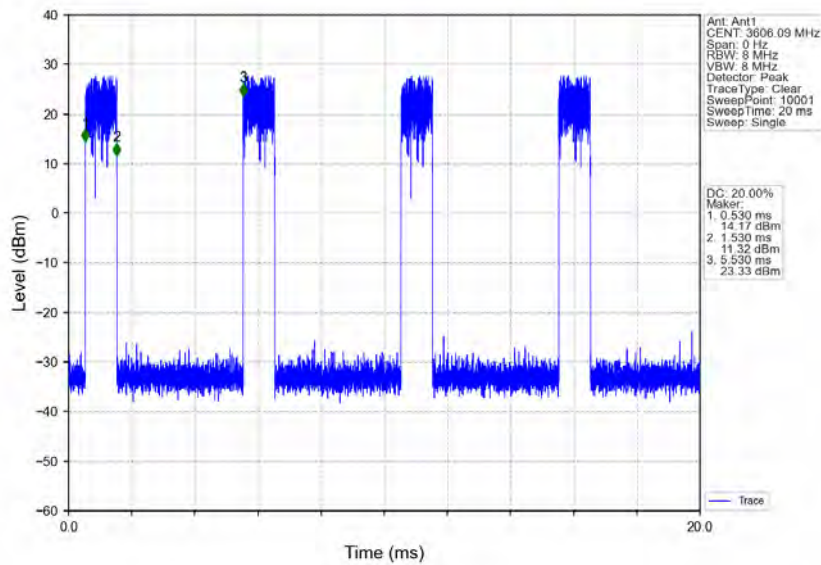
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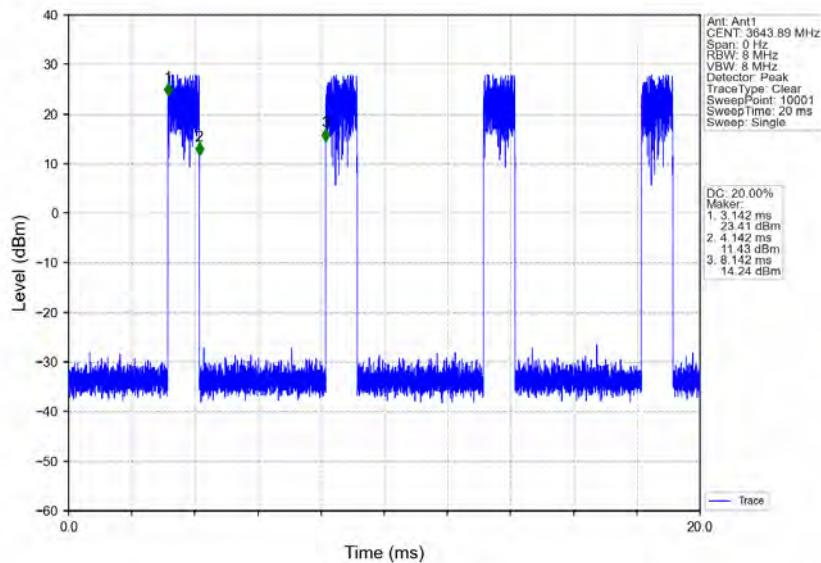
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n48\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3624.99MHz\_Edge\_1RB\_Left



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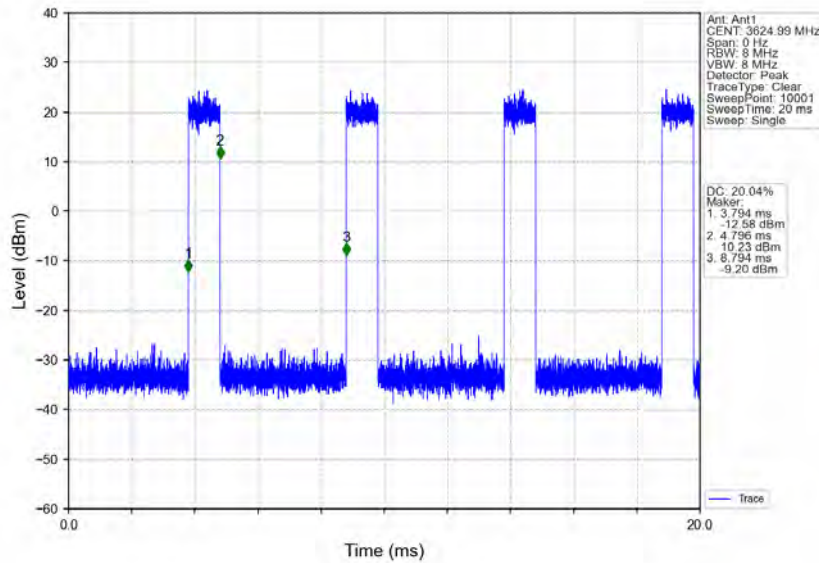
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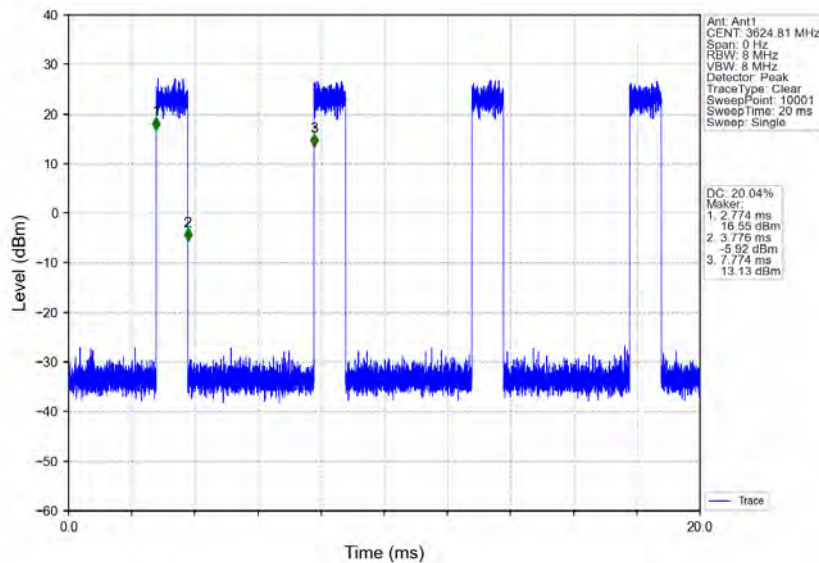
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n48\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3624.99MHz\_Outer\_Full



n48\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3624.99MHz\_Inner\_Full



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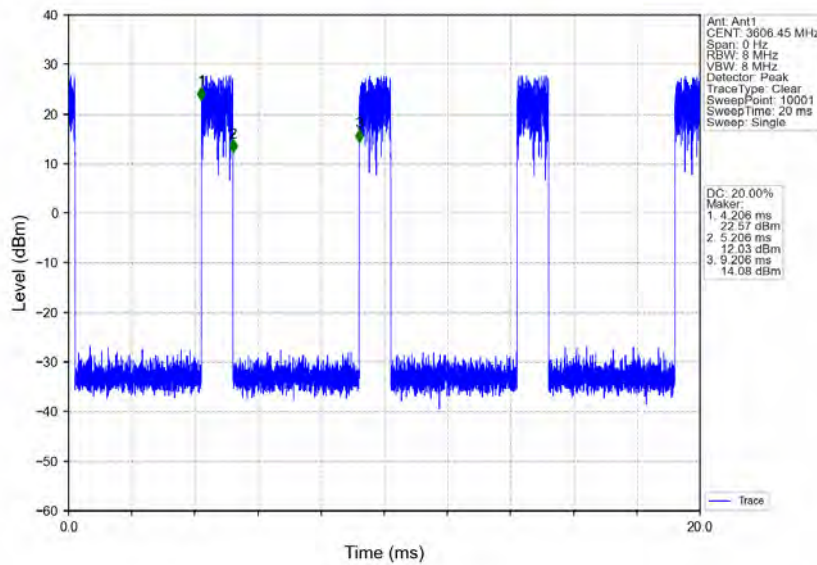
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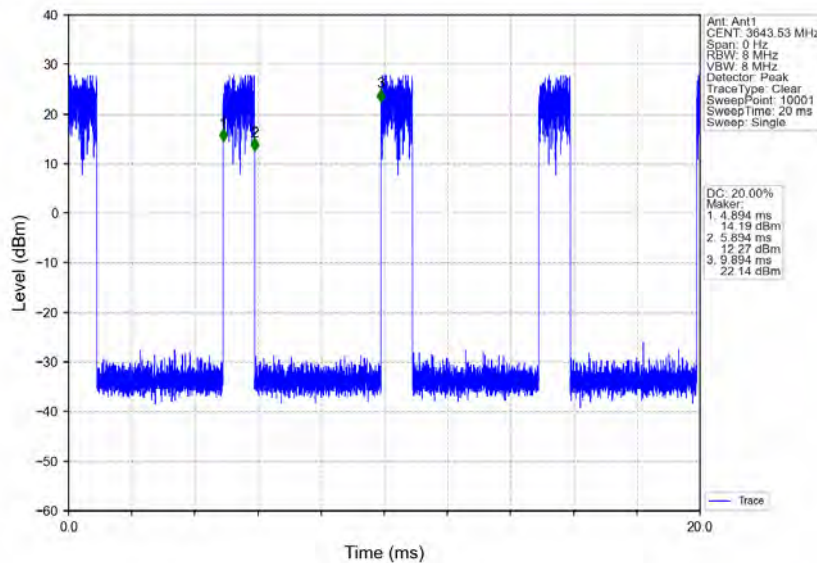
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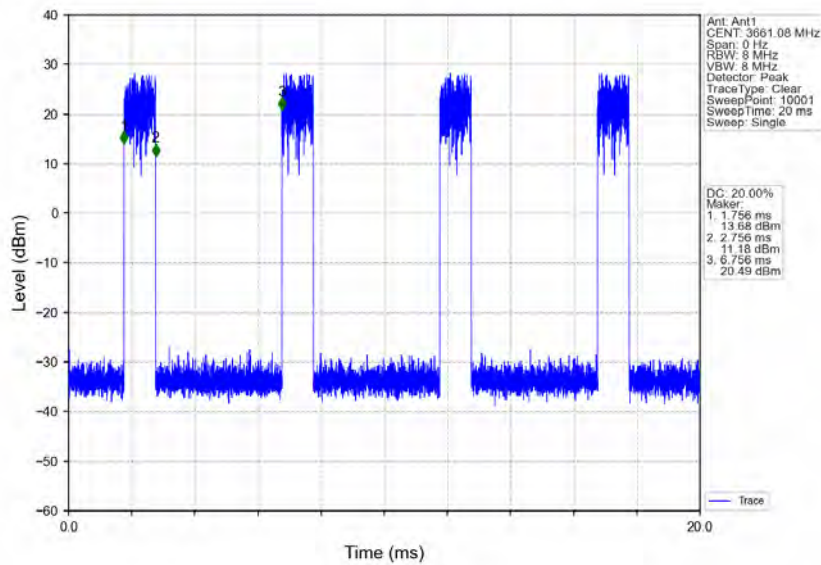
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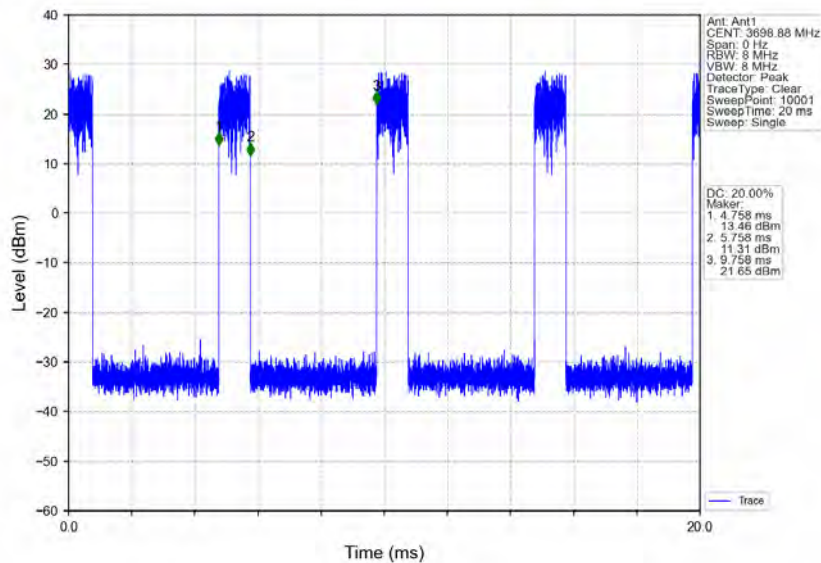
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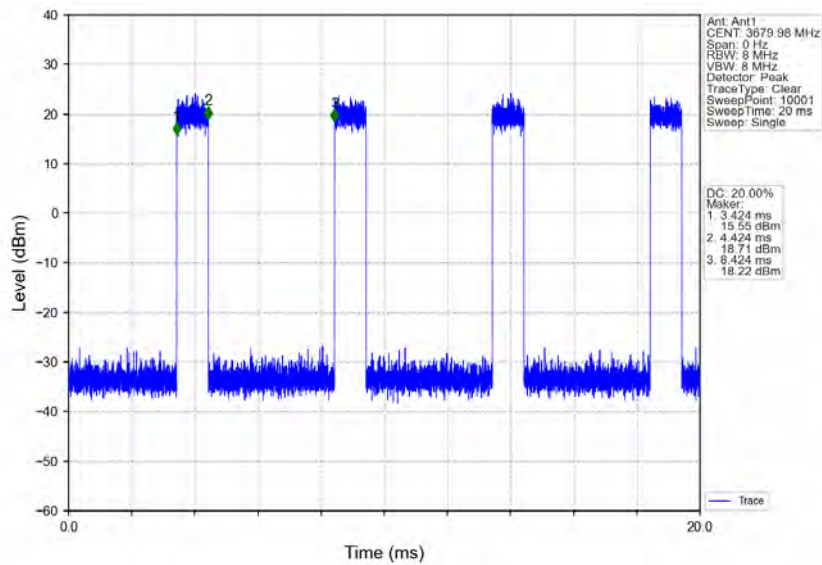
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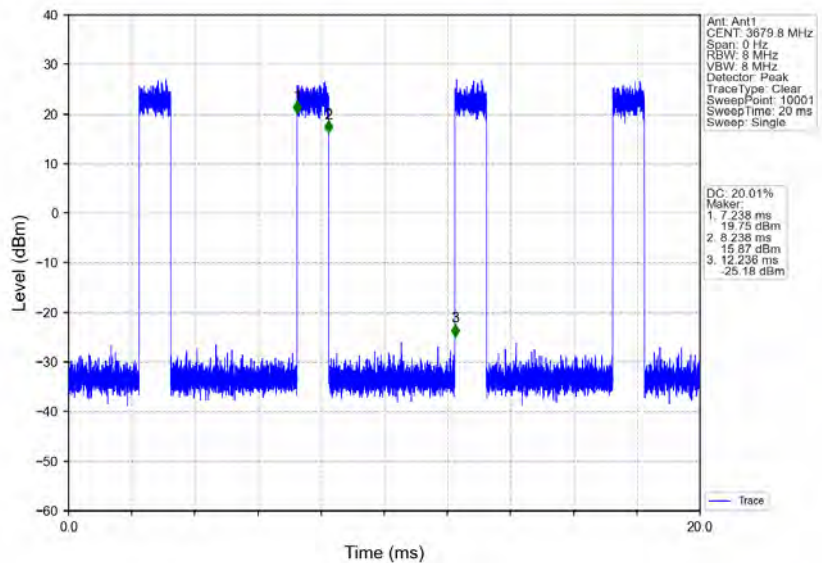
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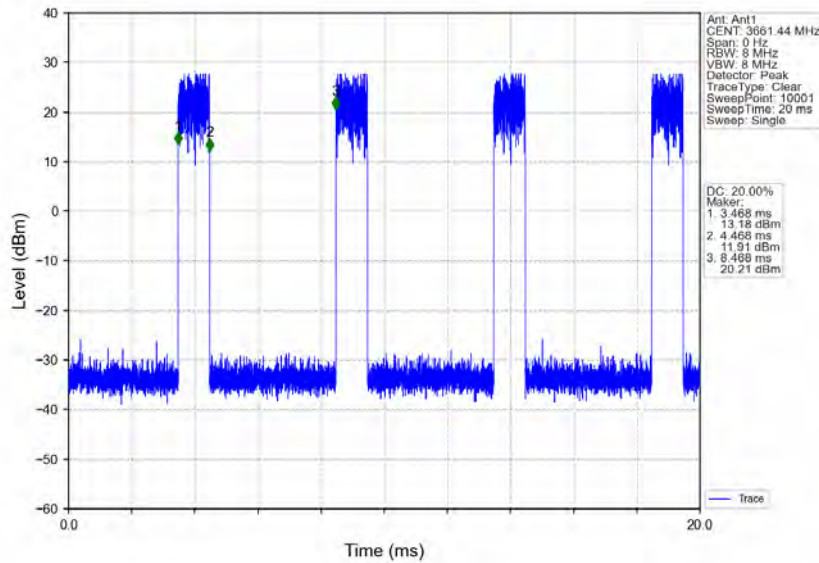
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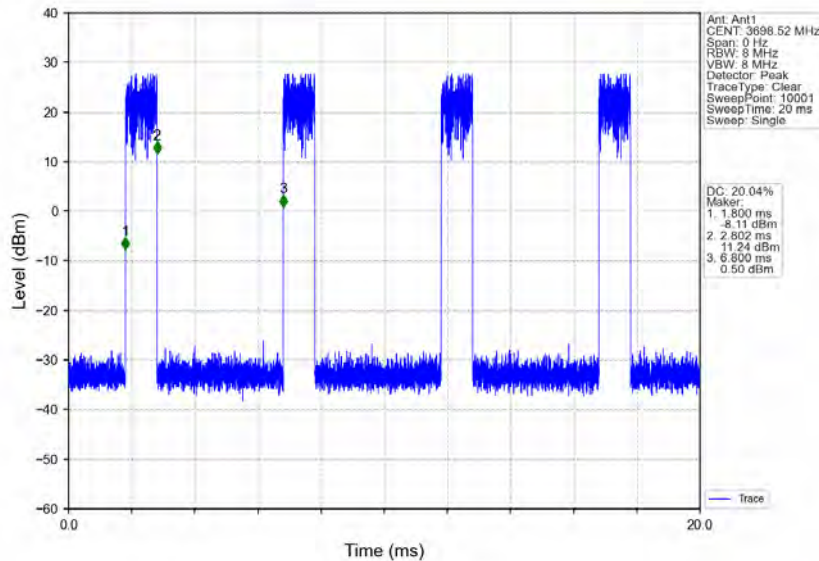
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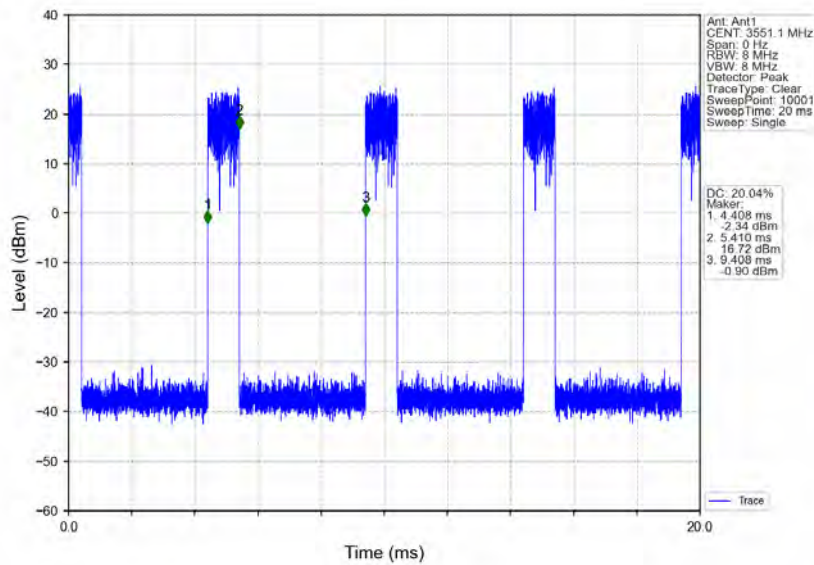
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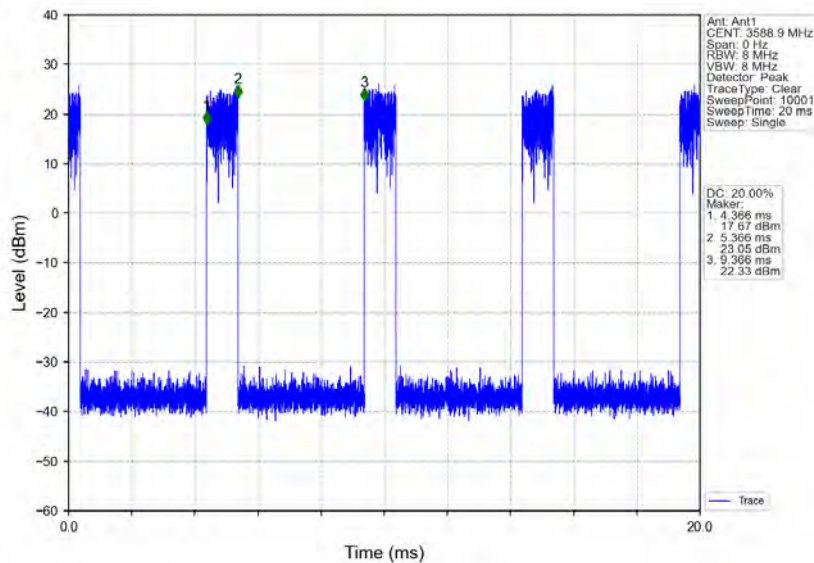
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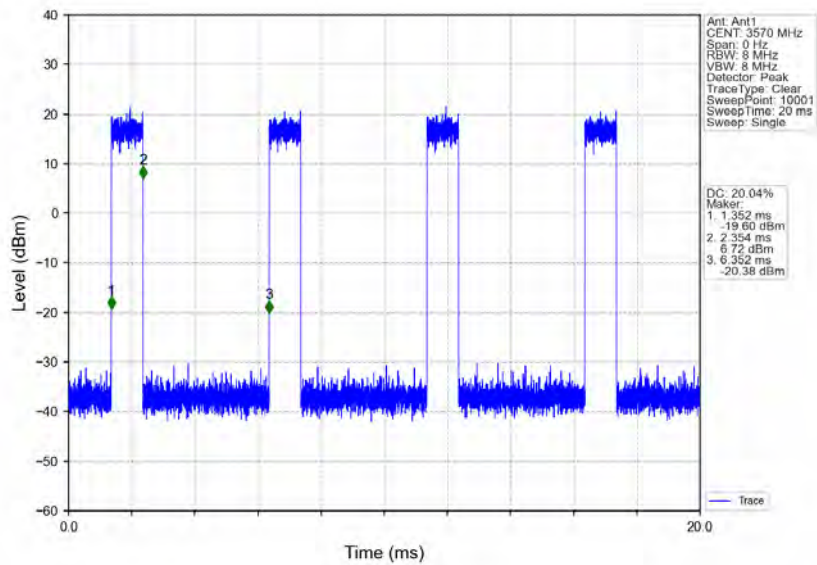
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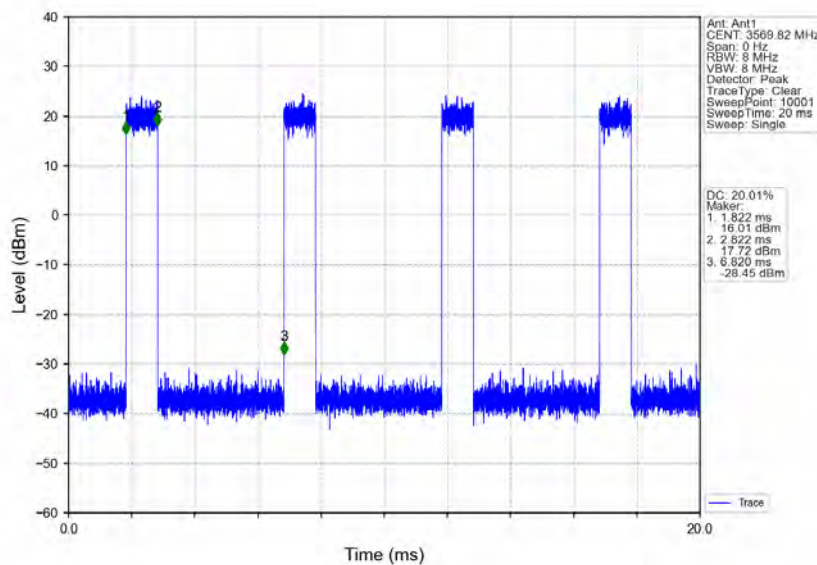
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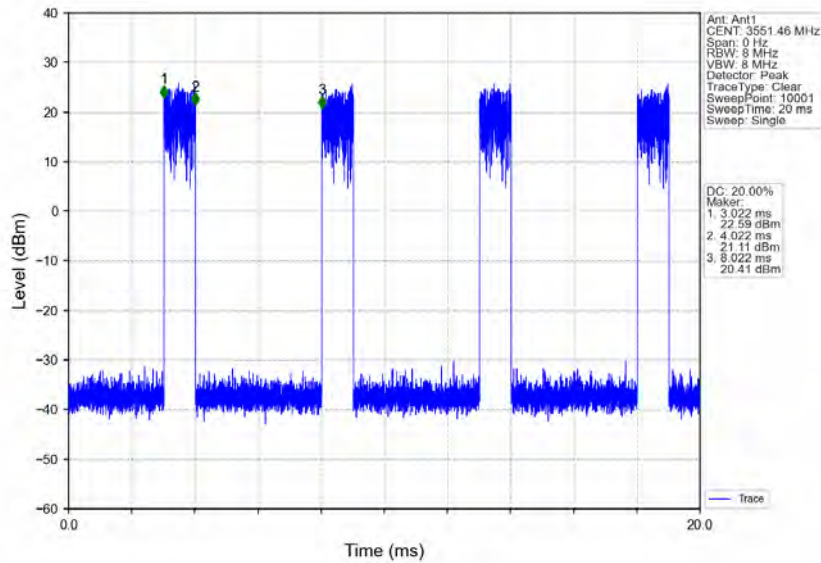
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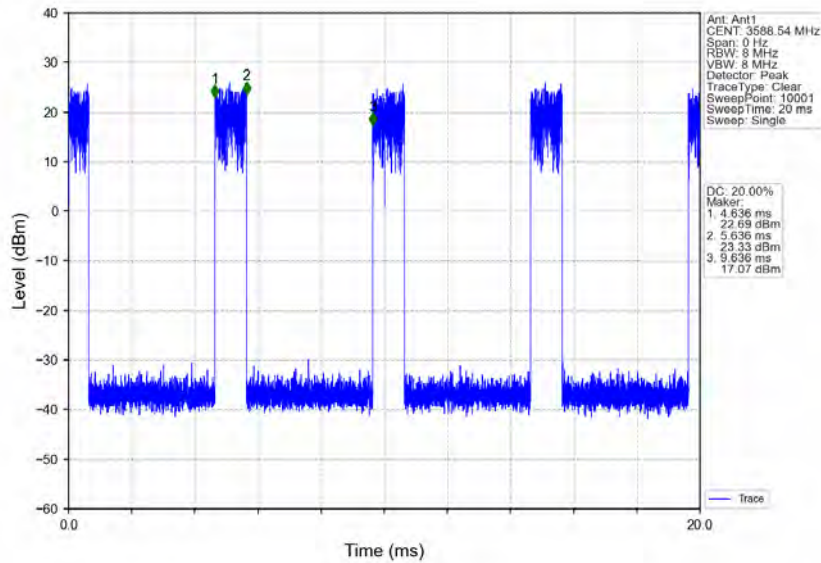
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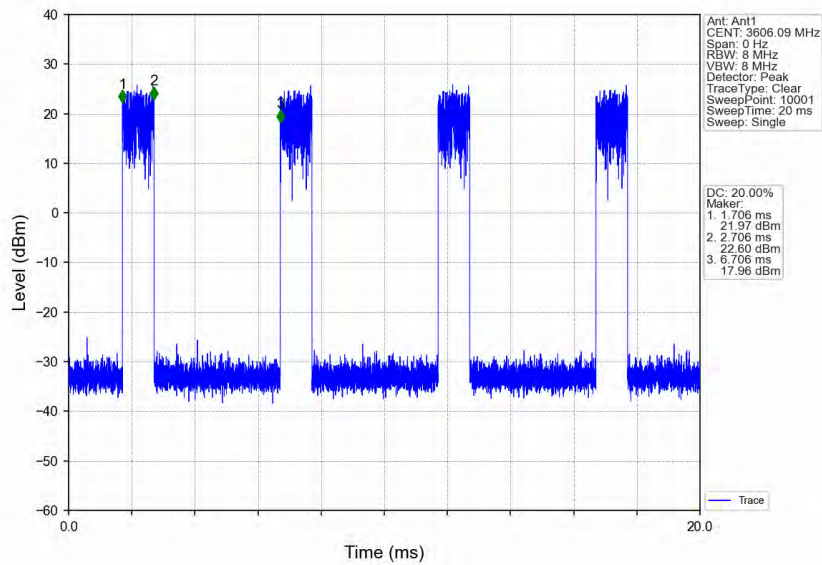
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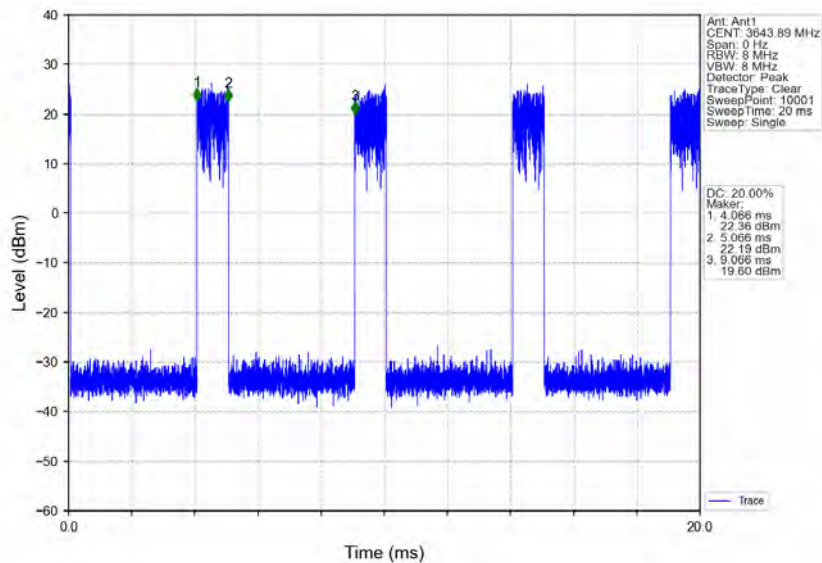
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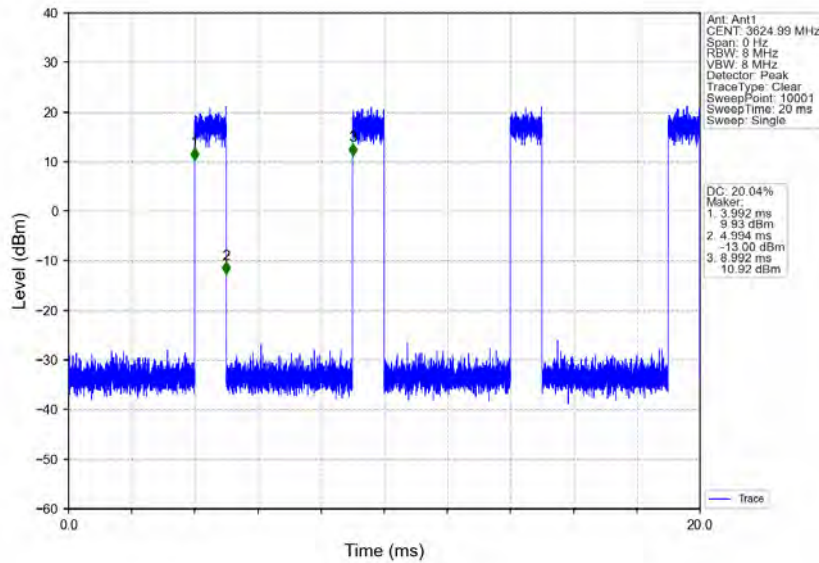
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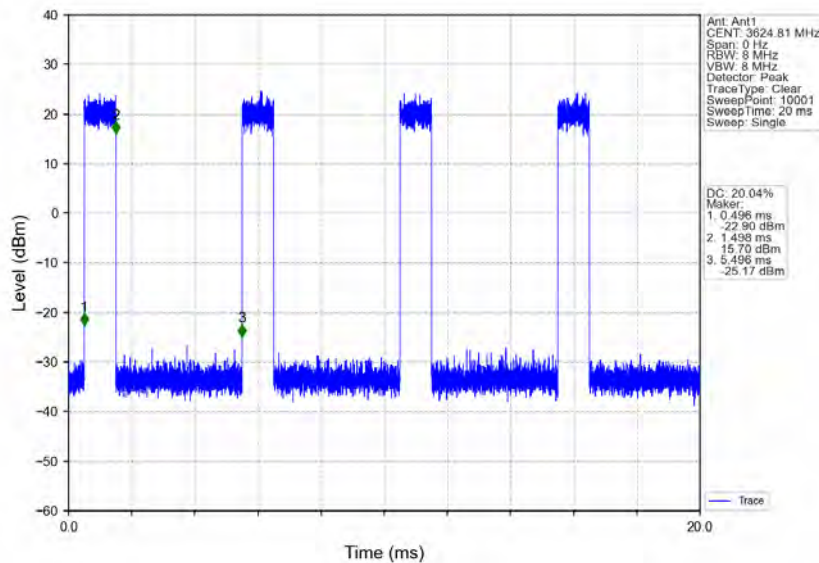
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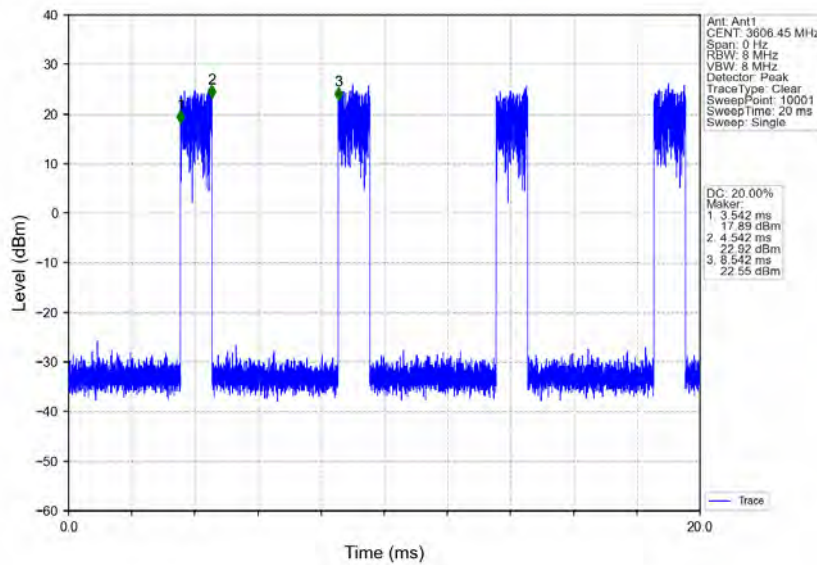
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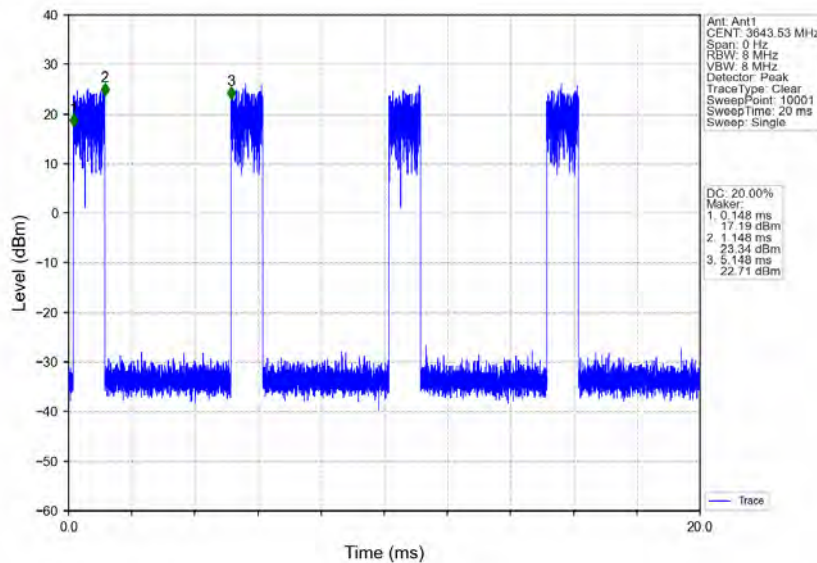
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n48\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM 256 QAM\_3624.99MHz\_Inner\_1RB\_Left



n48\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM 256 QAM\_3624.99MHz\_Inner\_1RB\_Right



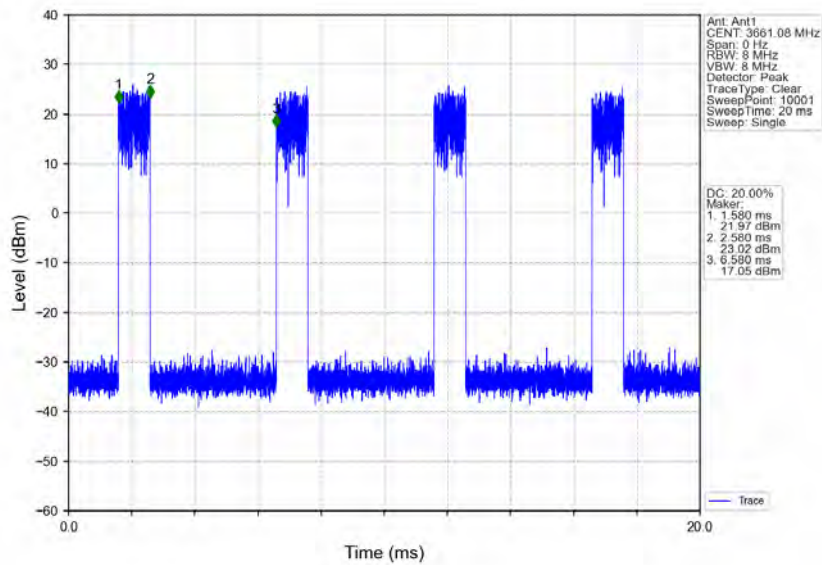
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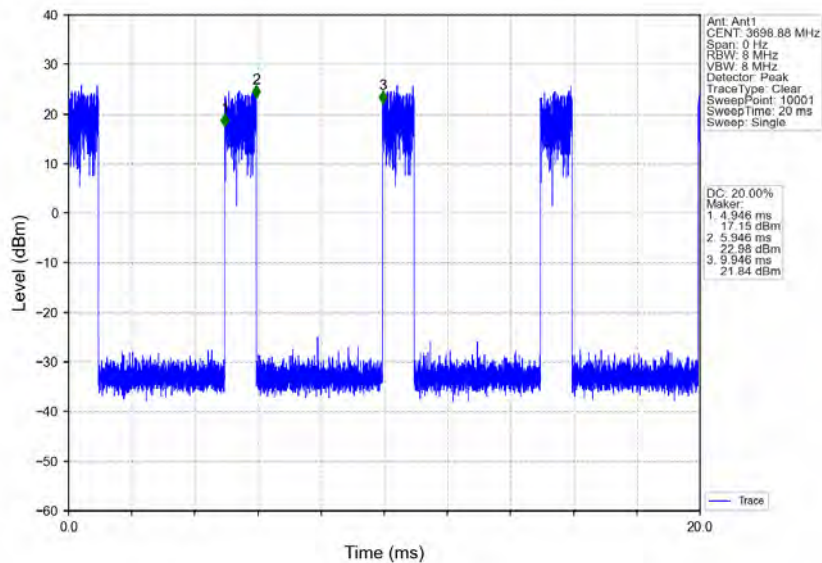
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n48\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM 256 QAM\_3679.98MHz\_Edge\_1RB\_Left



n48\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM 256 QAM\_3679.98MHz\_Edge\_1RB\_Right



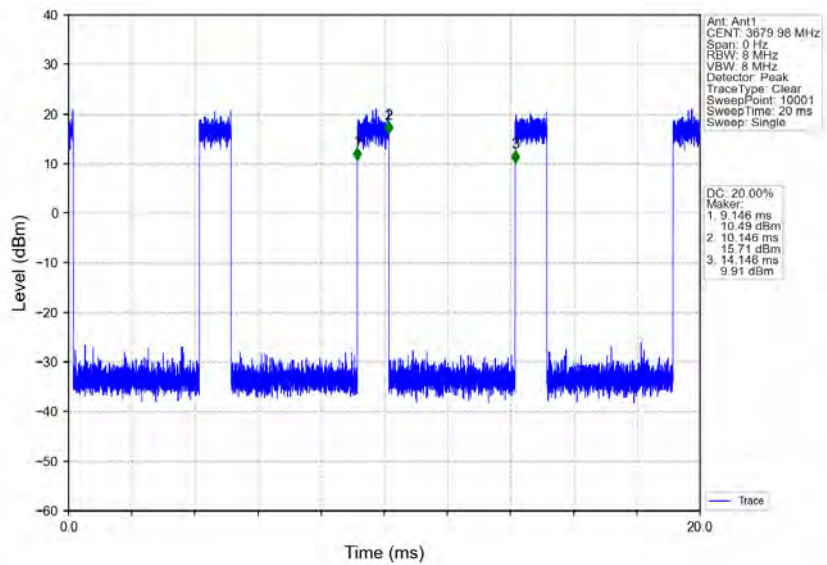
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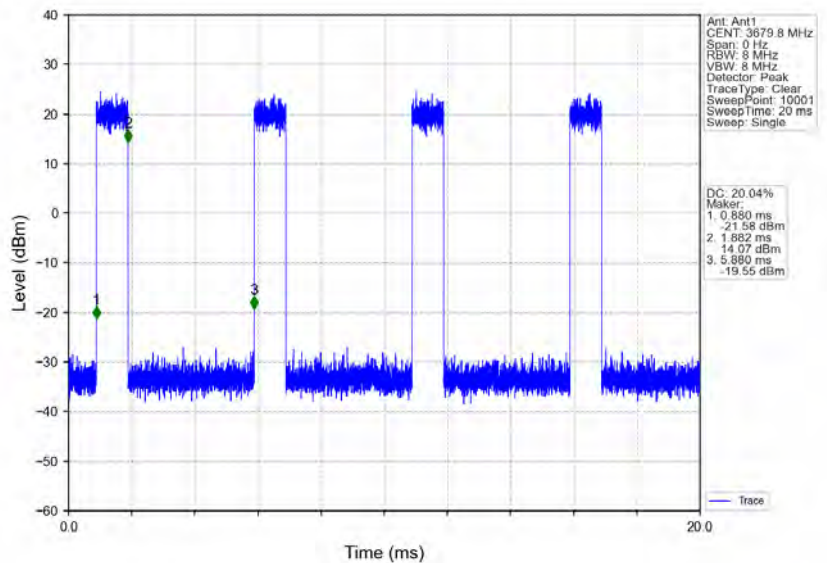
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n48\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM\_256\_QAM\_3679.98MHz\_Outer\_Full



n48\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM\_256\_QAM\_3679.98MHz\_Inner\_Full



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