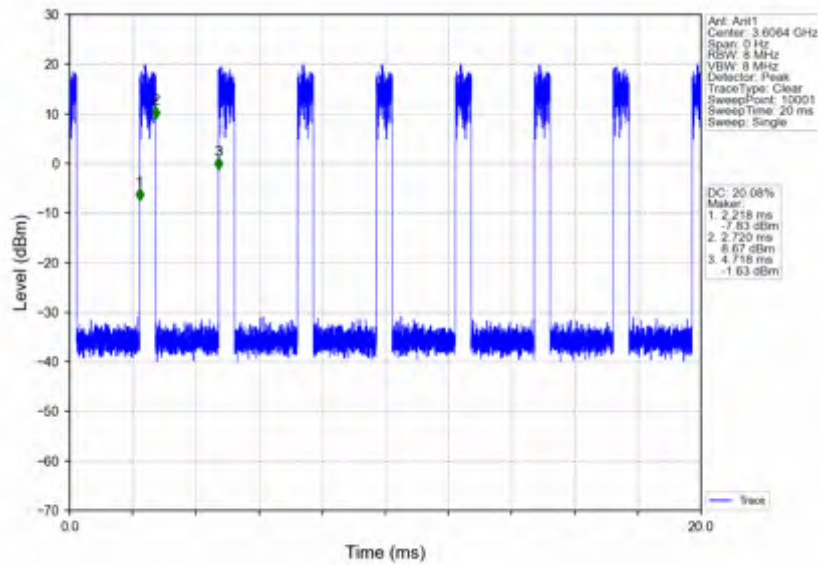
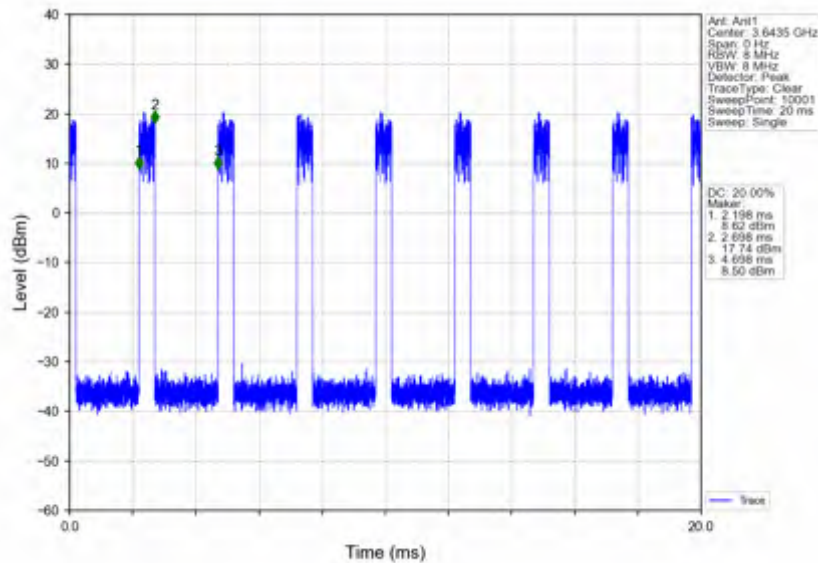


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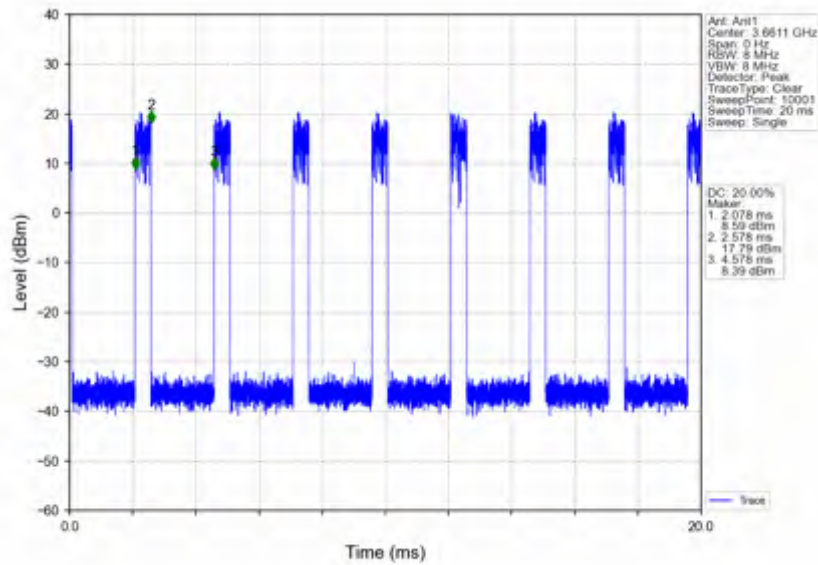
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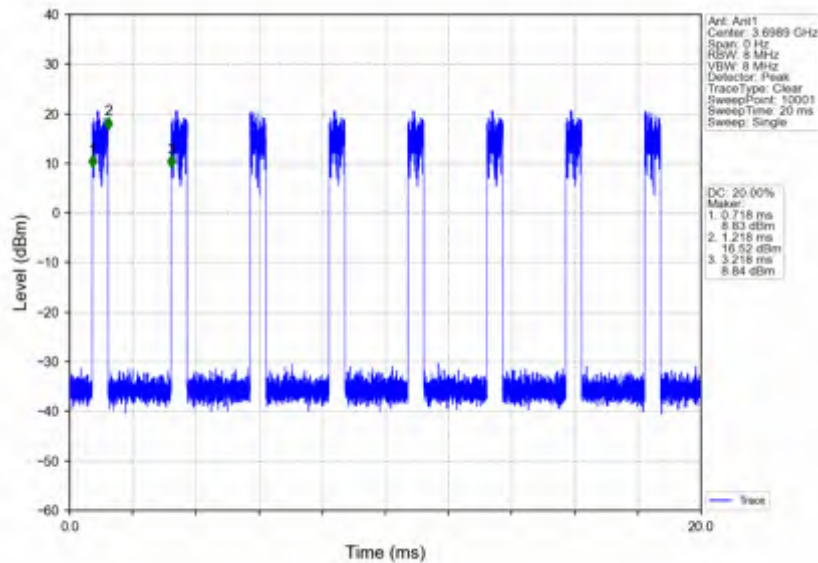
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n78d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 256 QAM_3679.98MHz_Edge_1RB_Left



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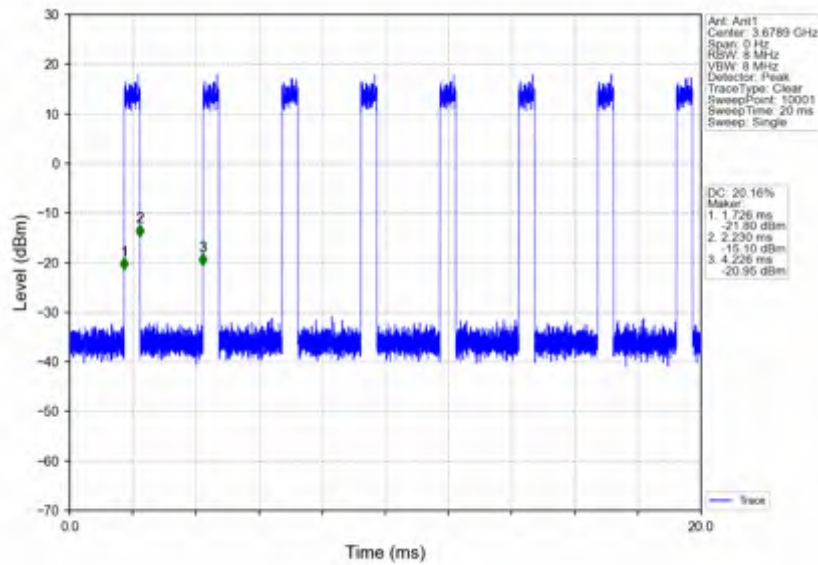
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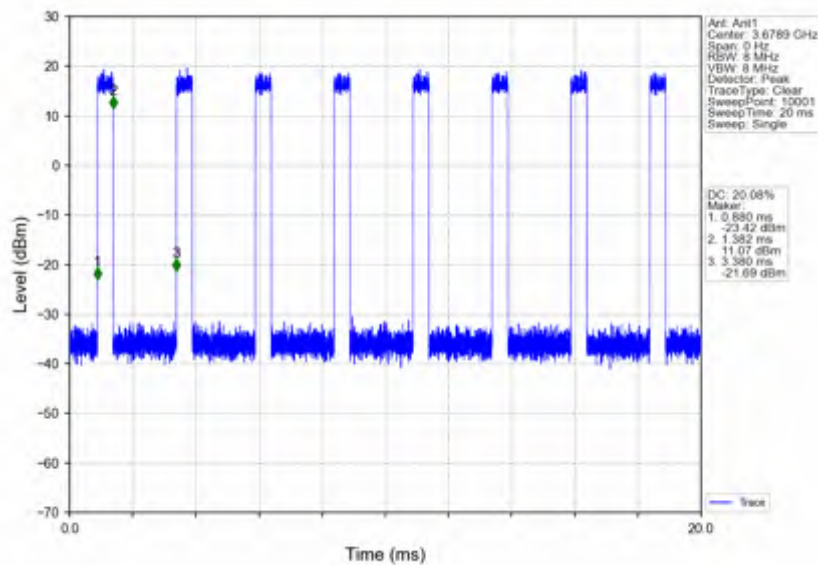
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n78d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_256_QAM_3679.98MHz_Outer_Full



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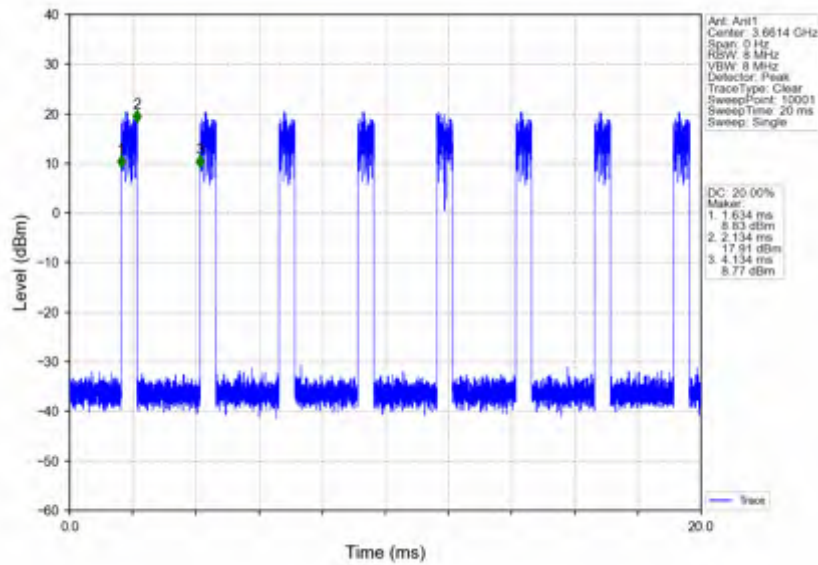


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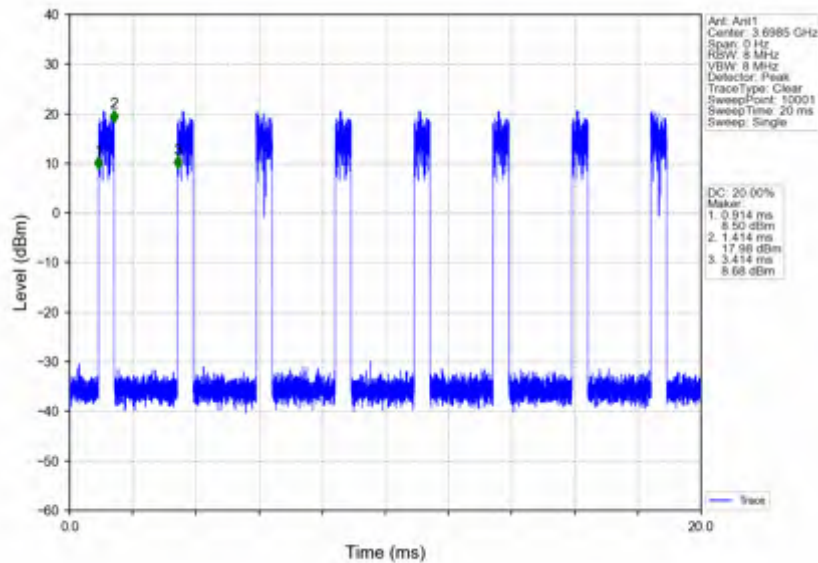
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n78d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 256 QAM_3679.98MHz_Inner_1RB_Left



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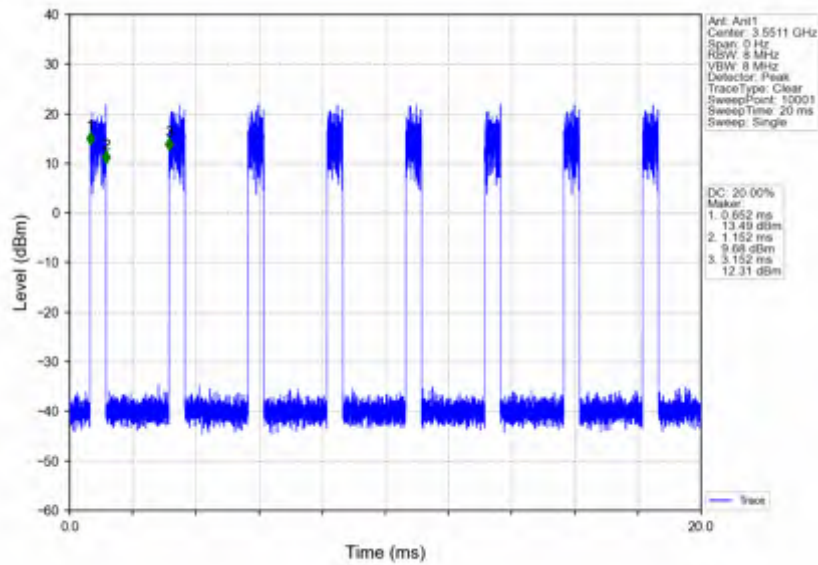


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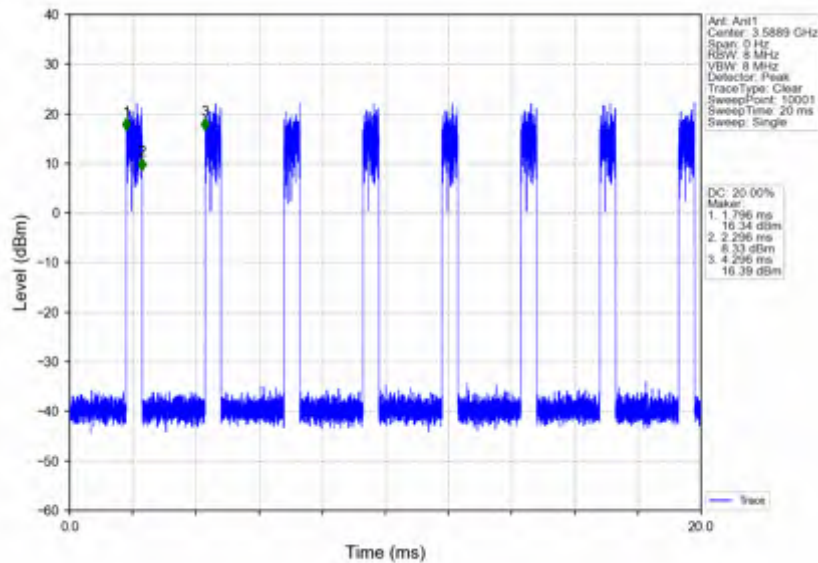
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n78d_30kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_3570MHz_Edge_1RB_Left



n78d_30kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_3570MHz_Edge_1RB_Right

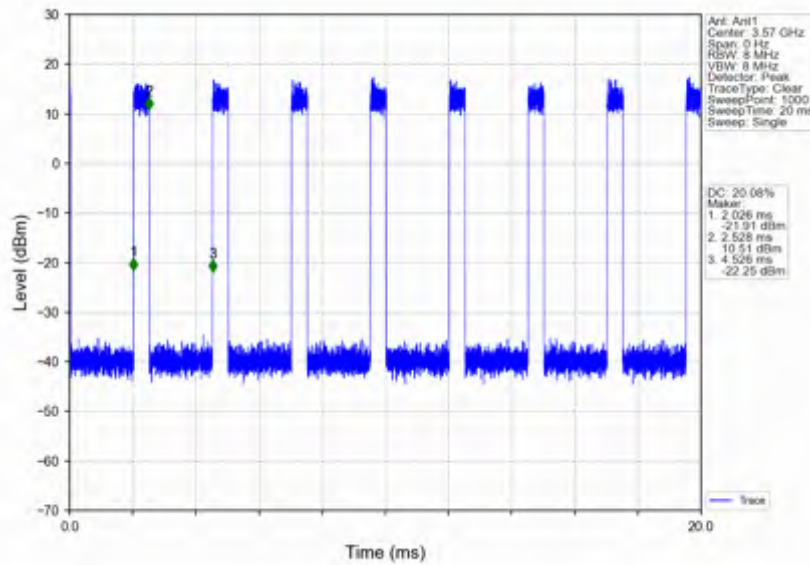


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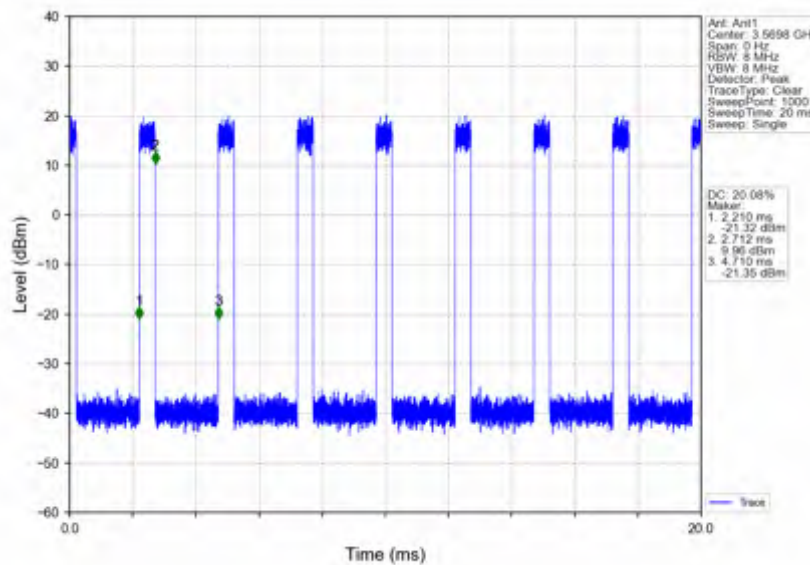
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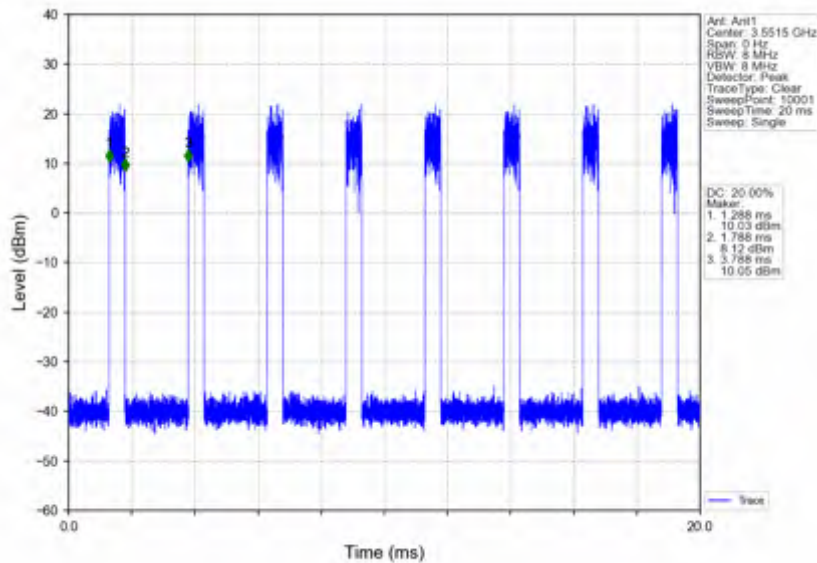
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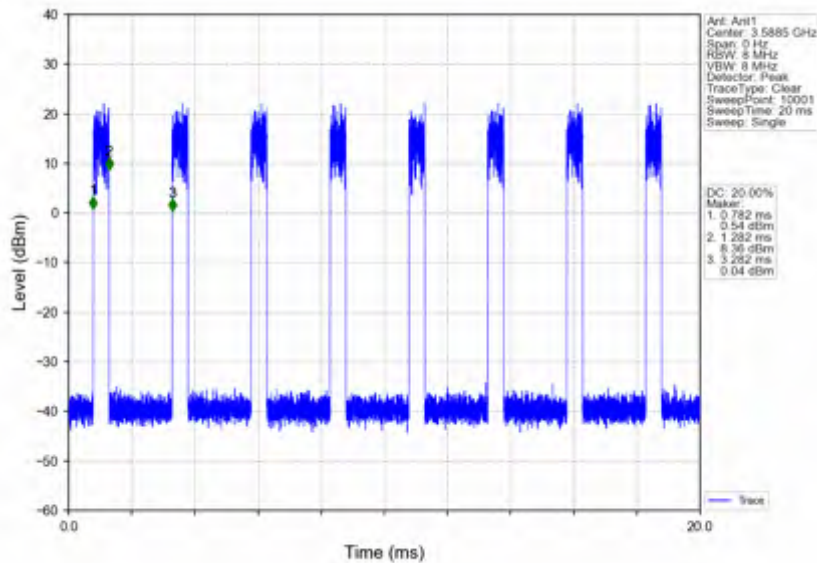
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n78d_30kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_3570MHz_Inner_1RB_Left



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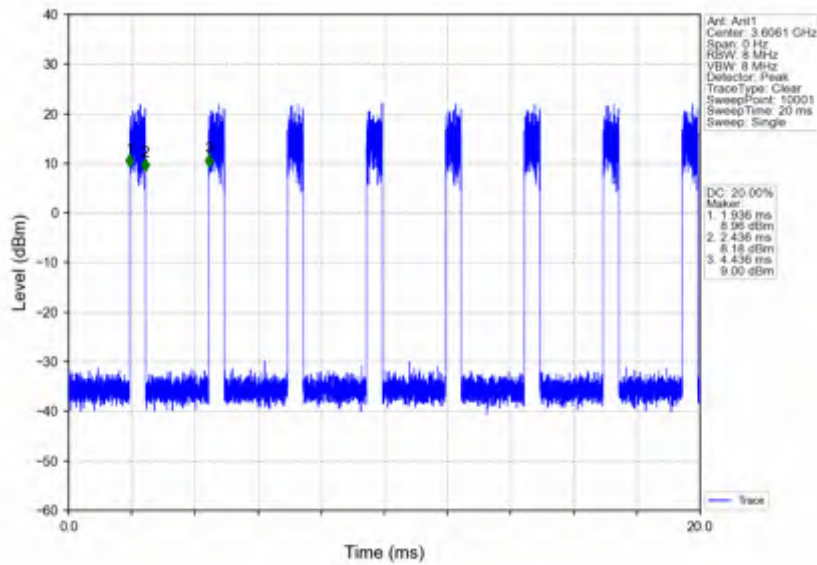


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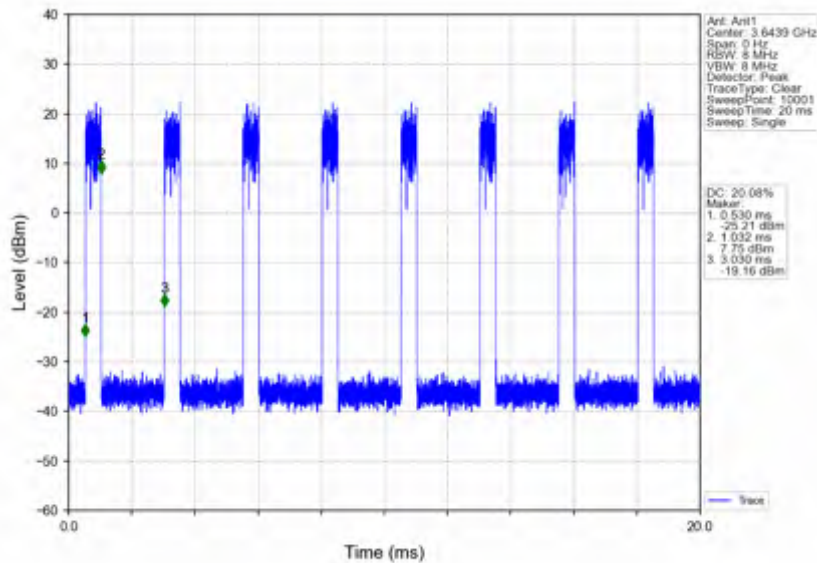
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n78d_30kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_3624.99MHz_Edge_1RB_Left



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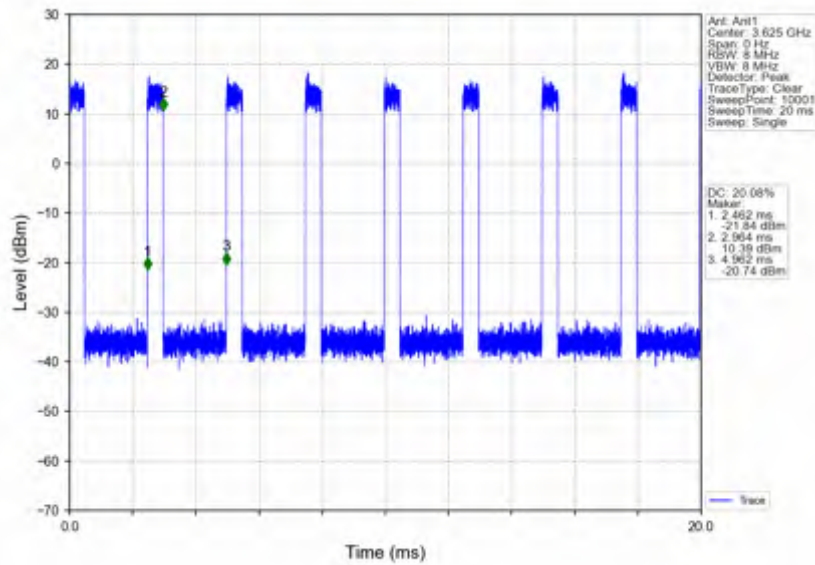
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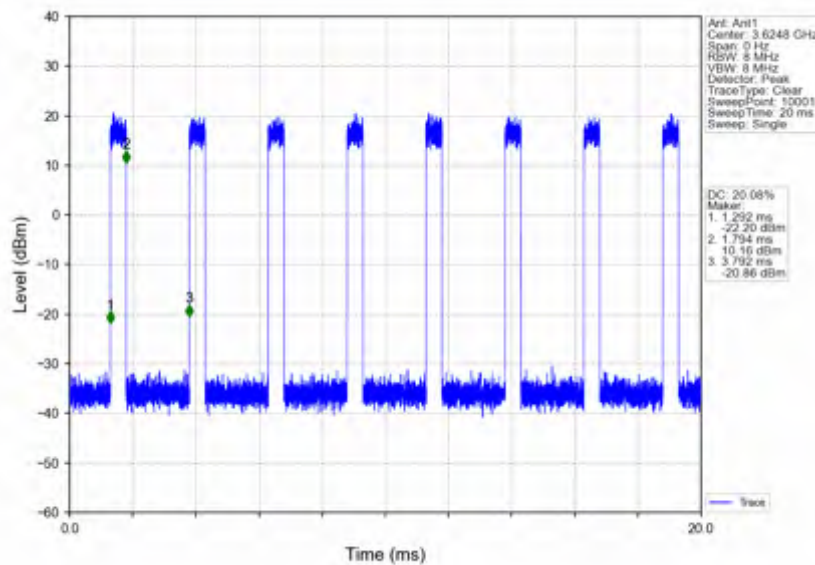
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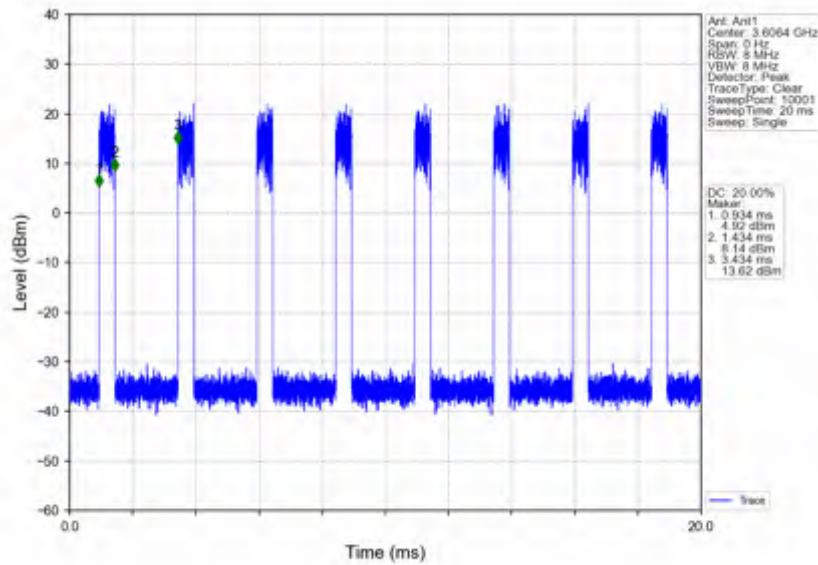


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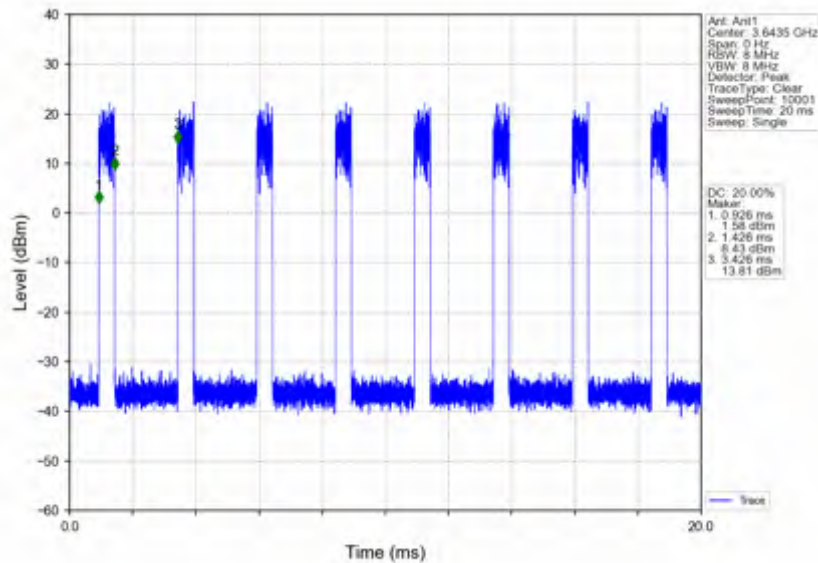
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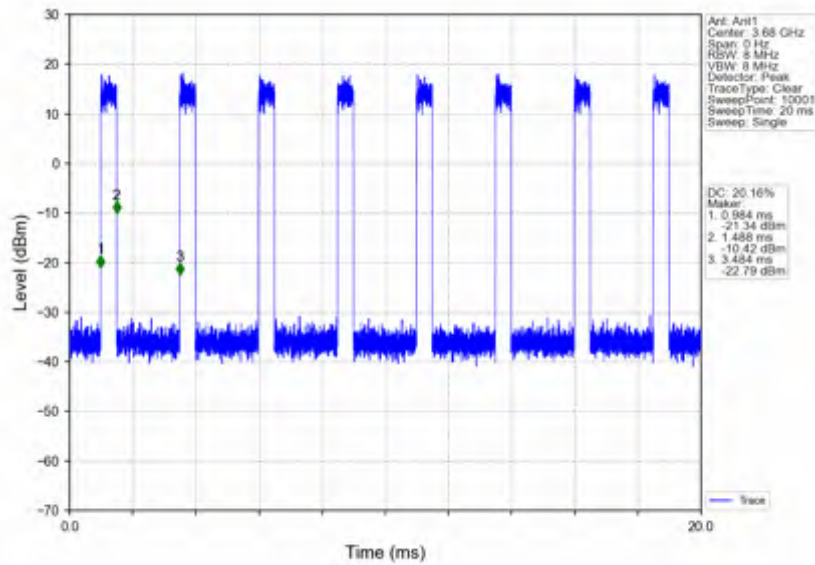


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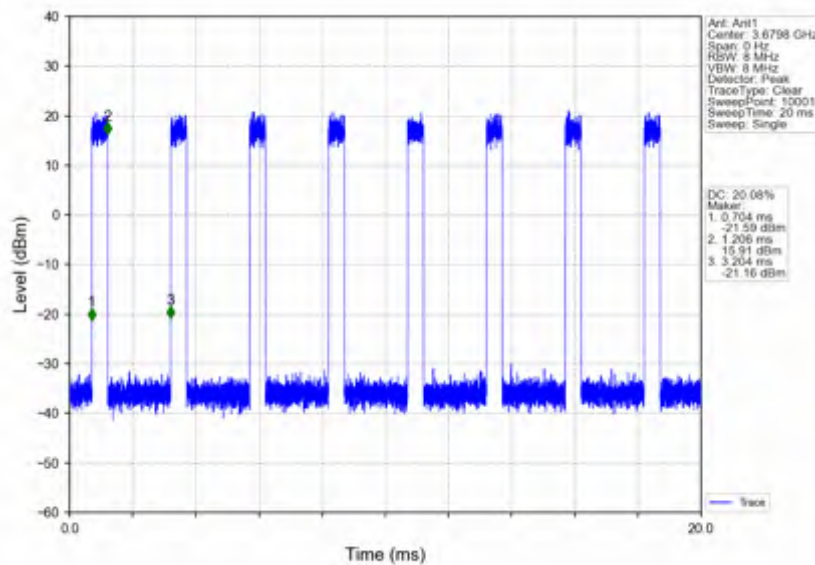
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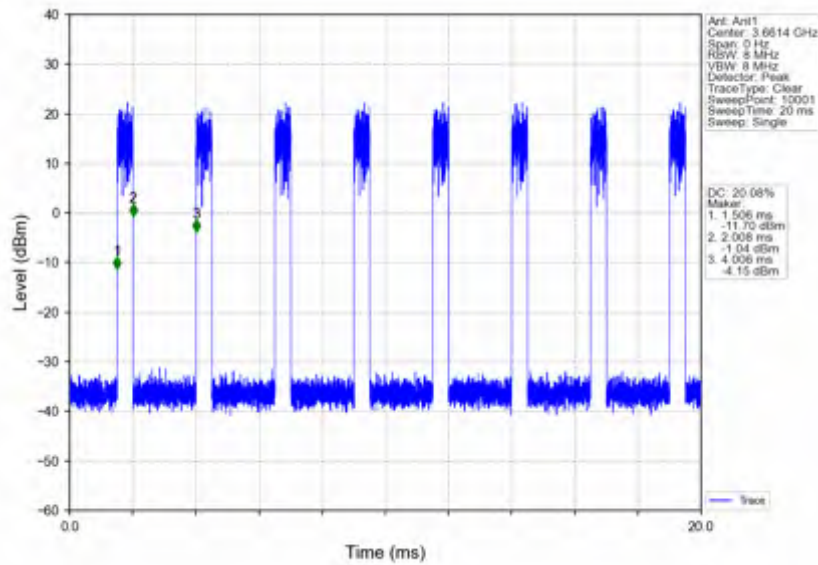


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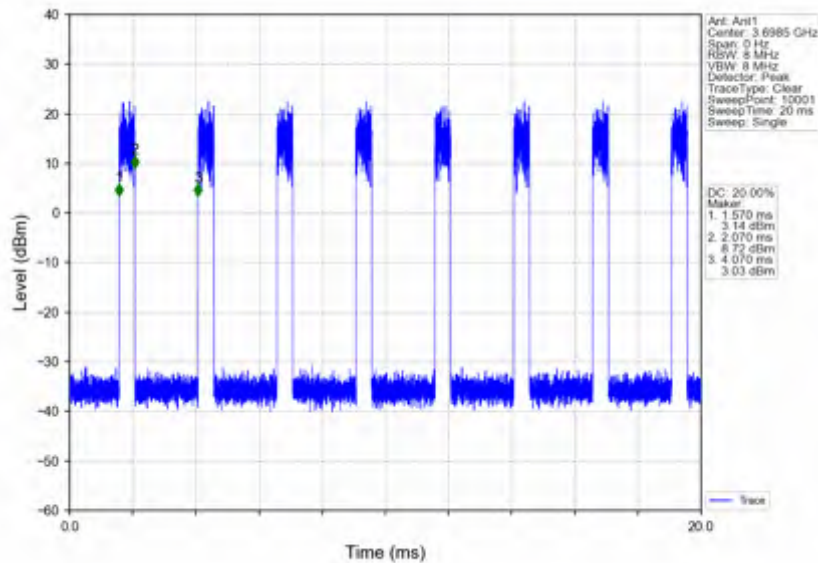
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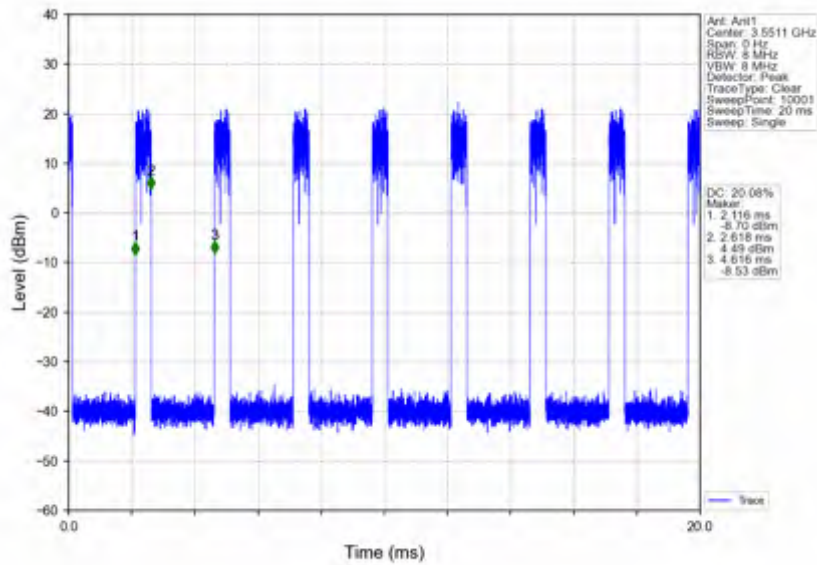


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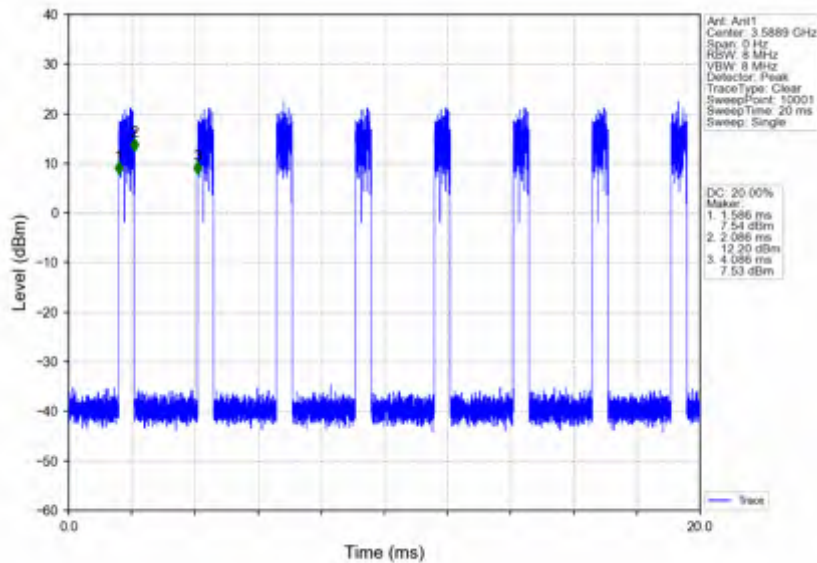
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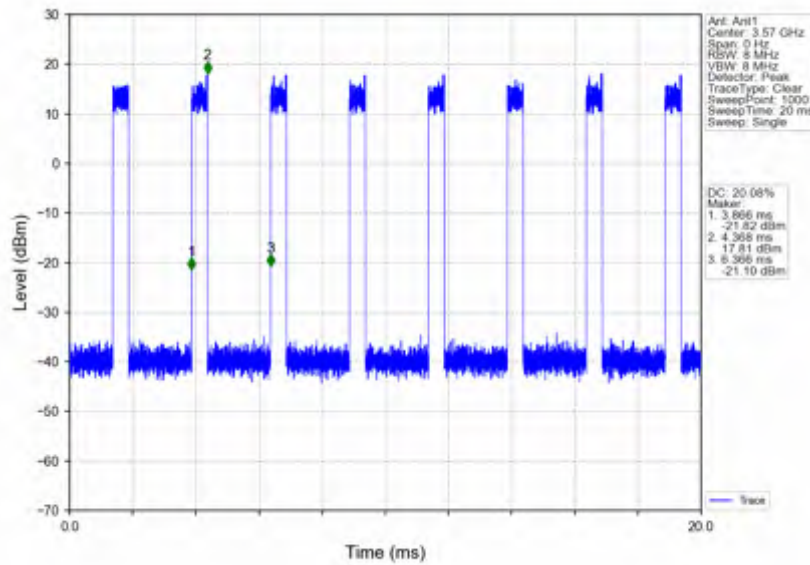


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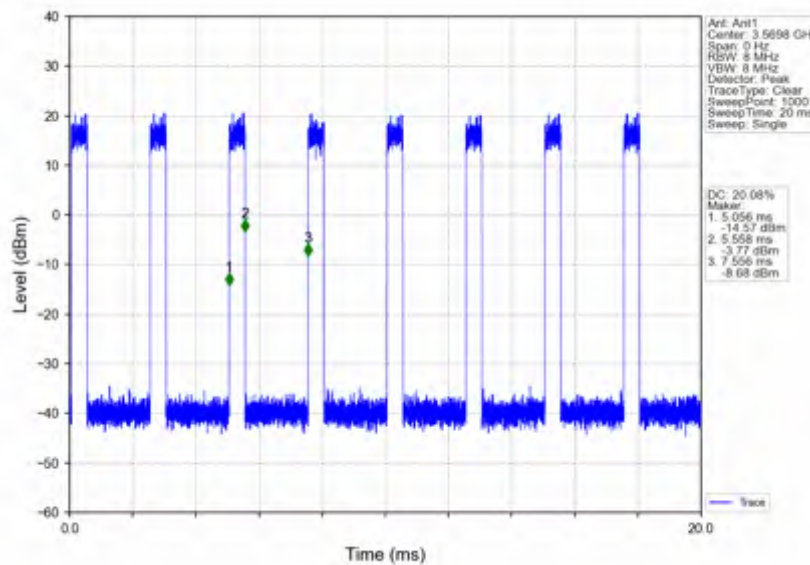
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n78d_30kHz_SISO_NTNV_40MHz_CP-OFDM_16 QAM_3570MHz_Outer_Full



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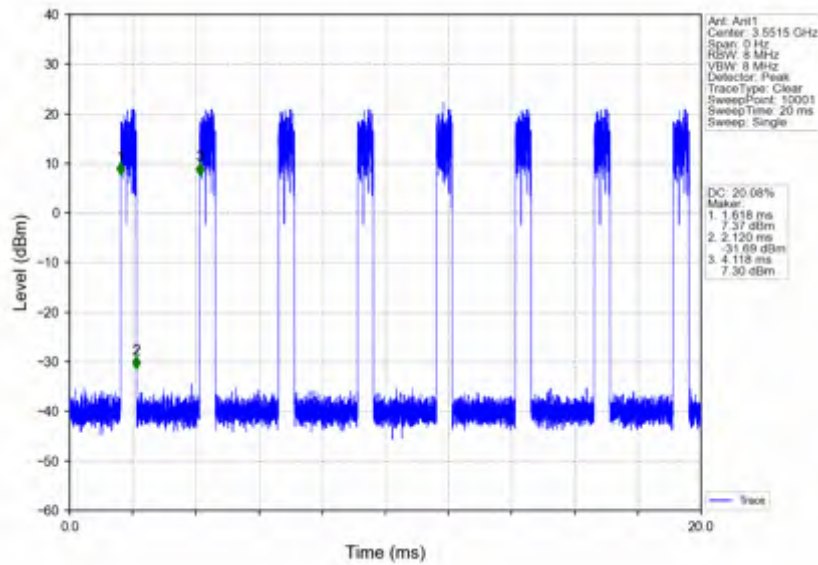
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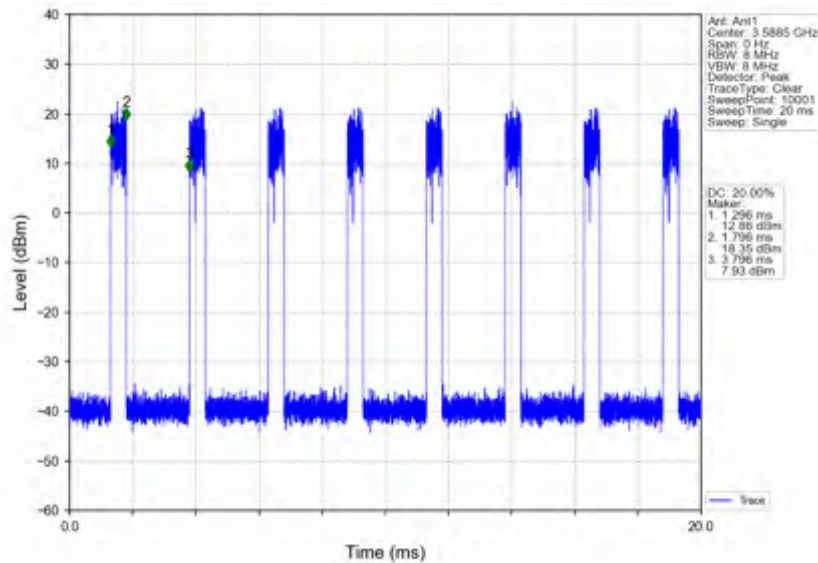
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n78d_30kHz_SISO_NTNV_40MHz_CP-OFDM 16 QAM_3570MHz_Inner_1RB_Left



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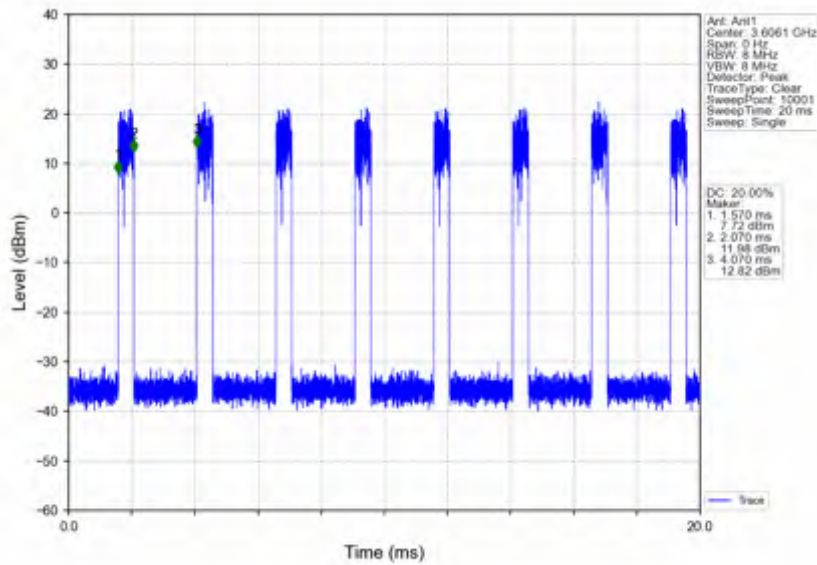


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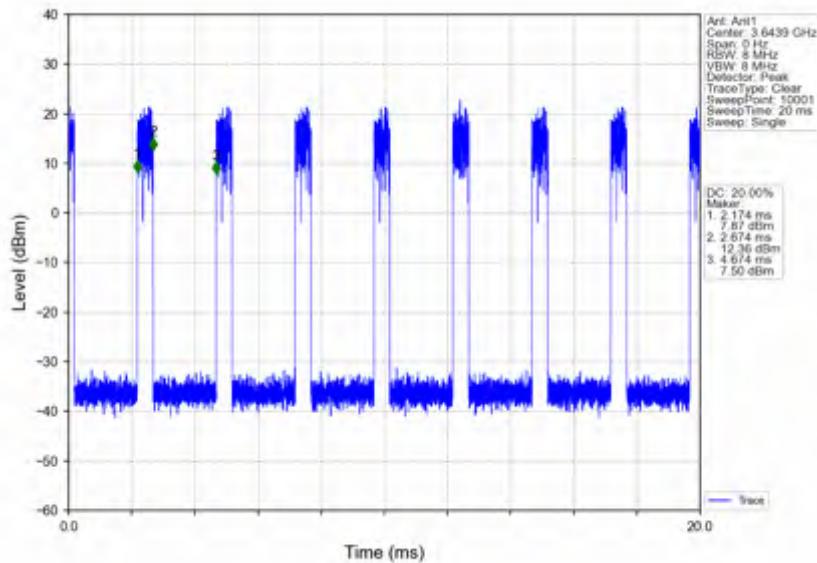
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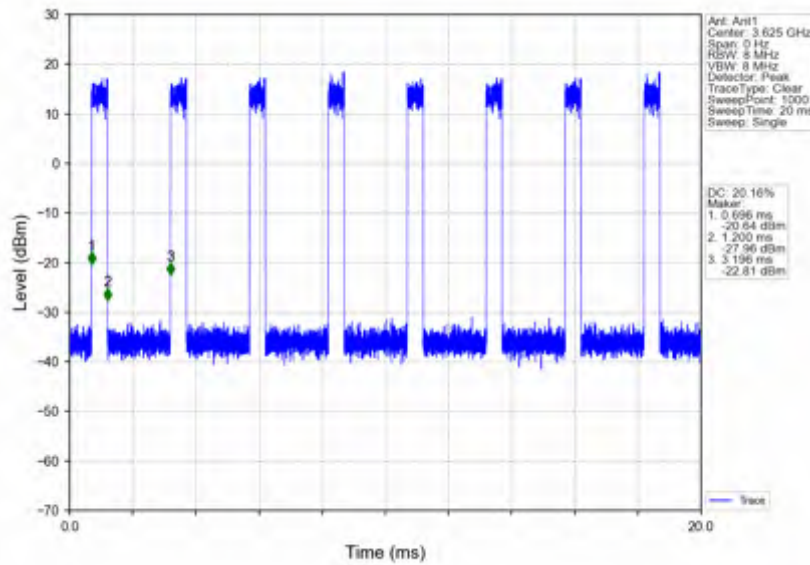
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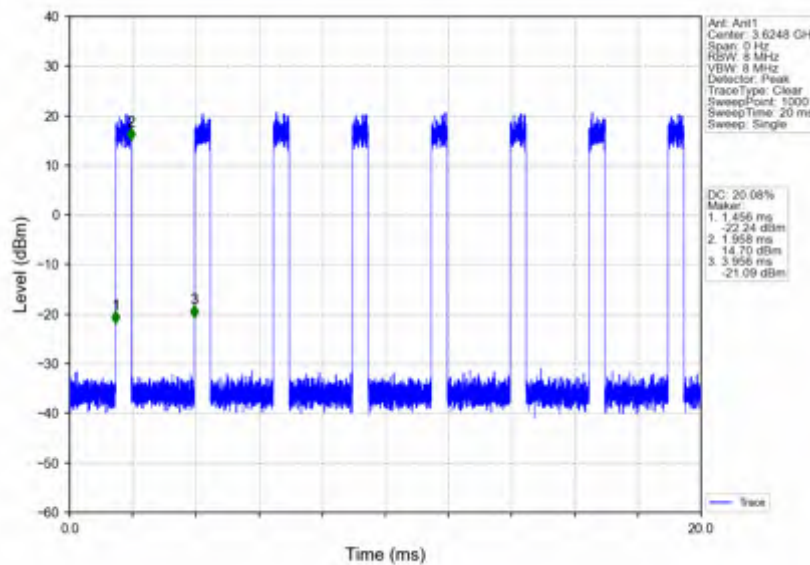
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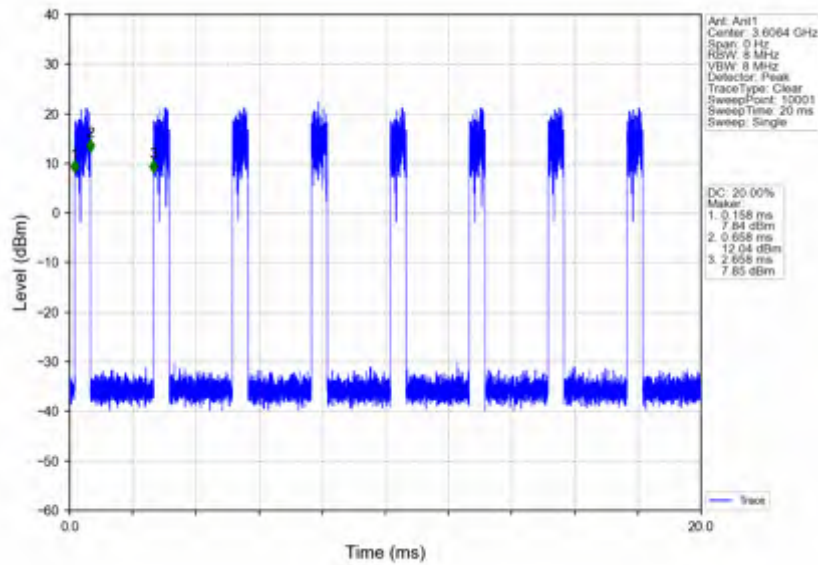
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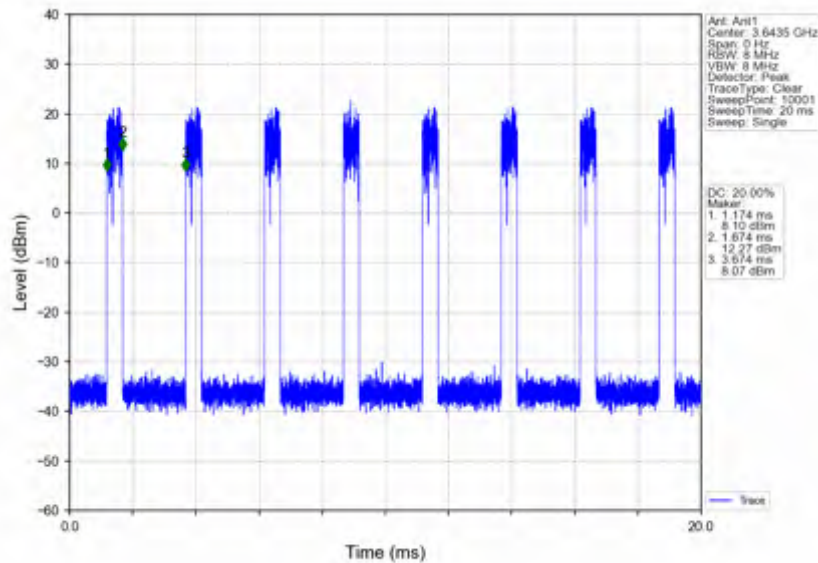
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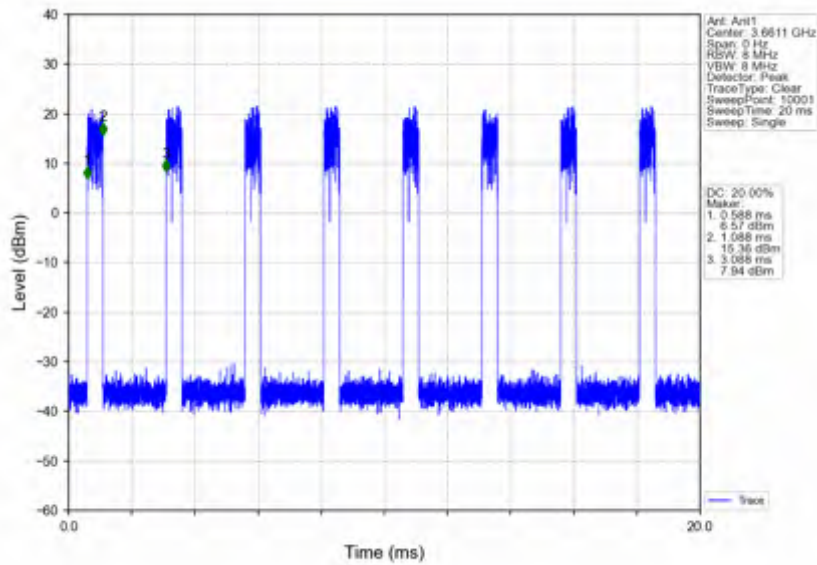


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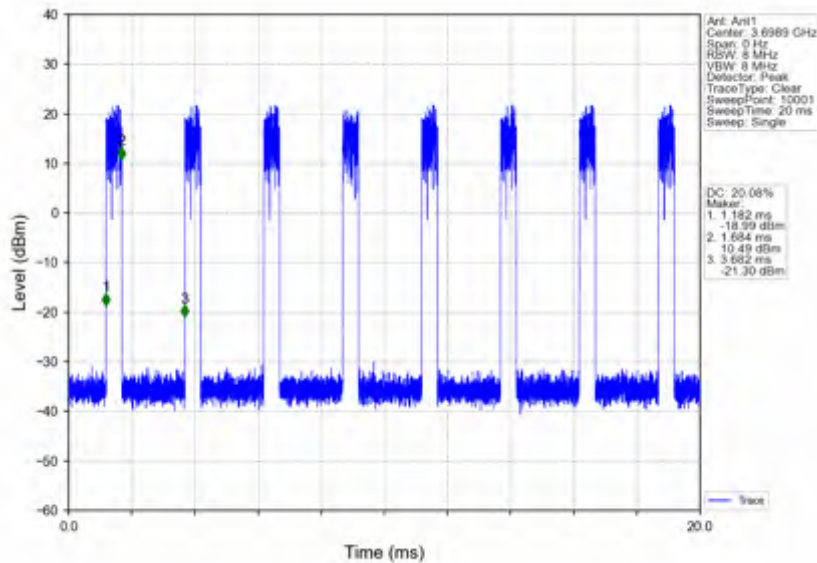
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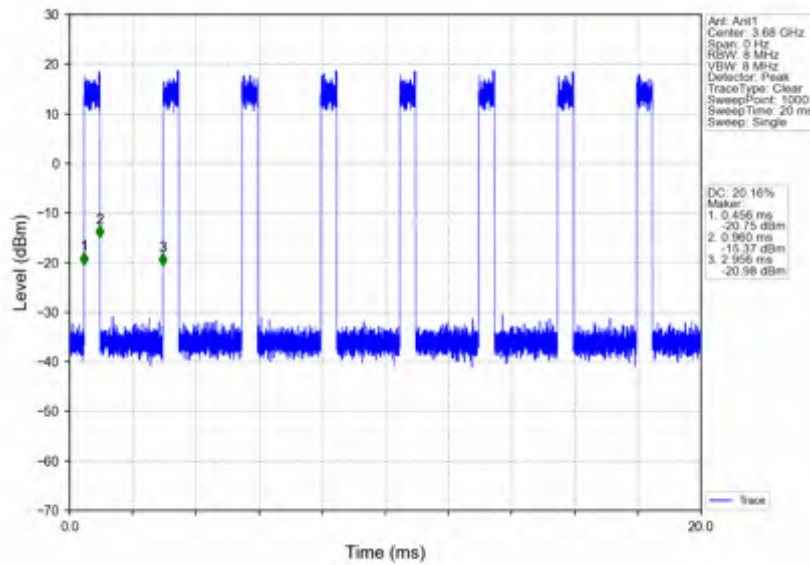
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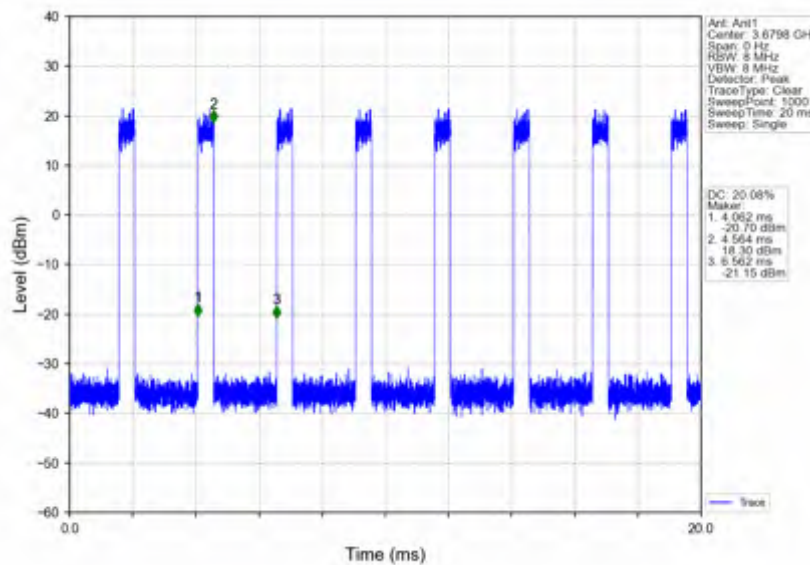
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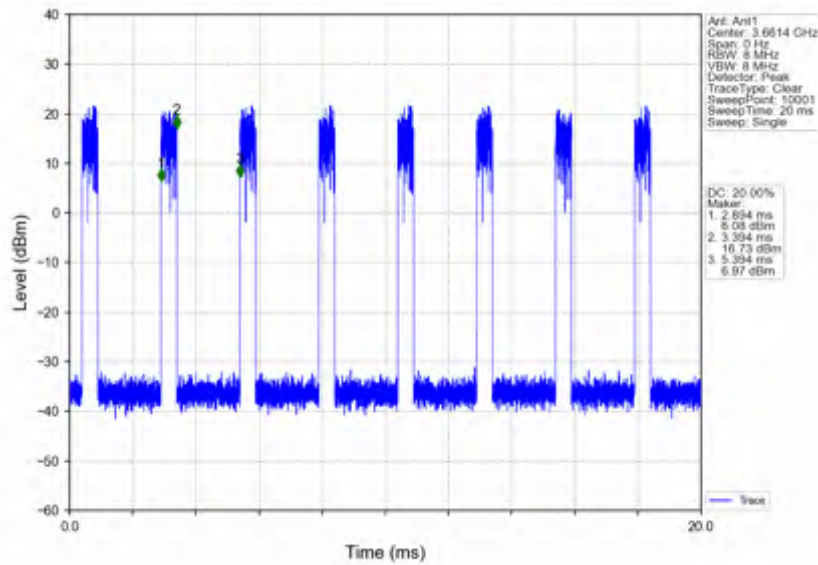


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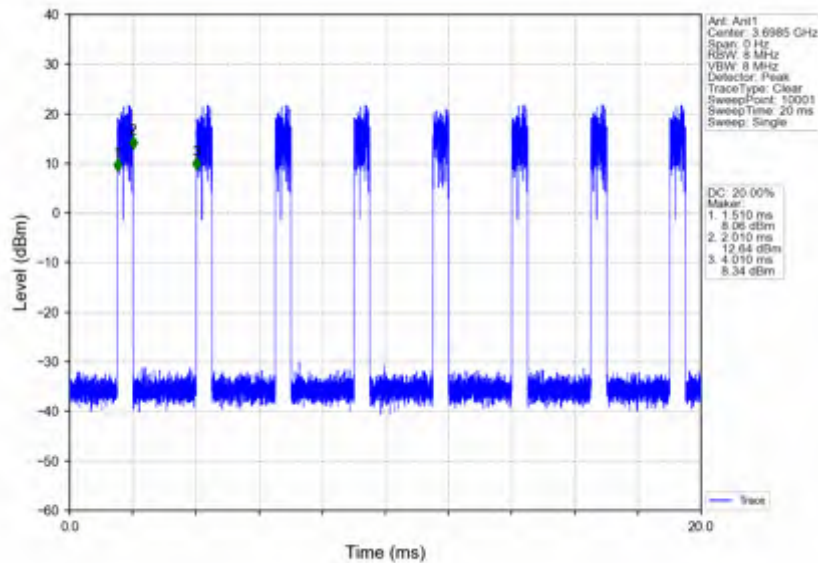
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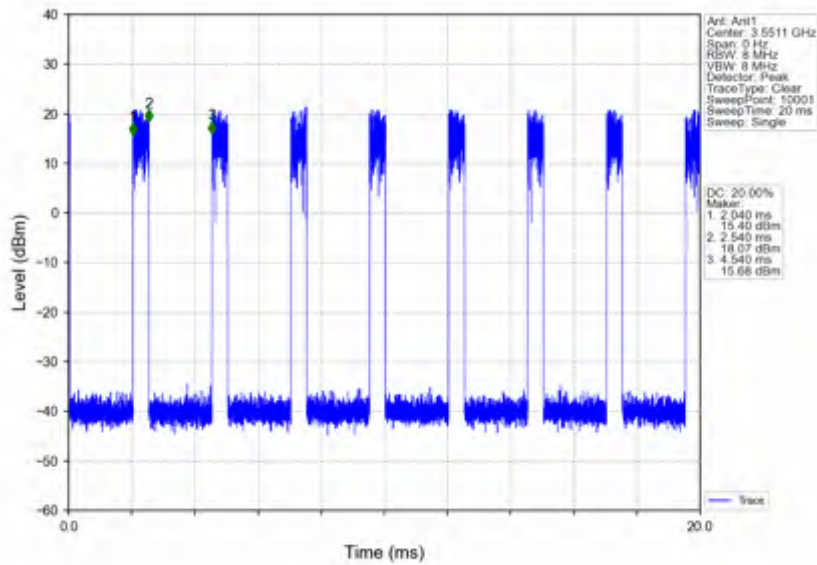


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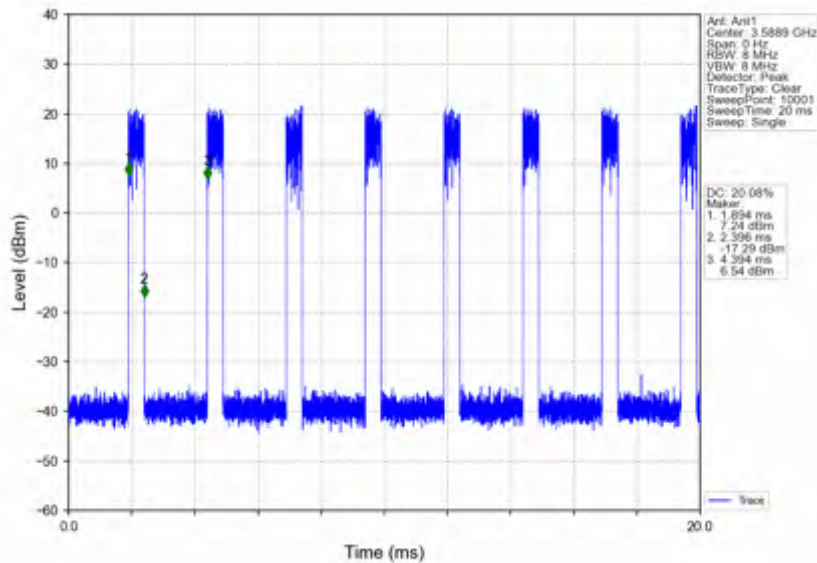
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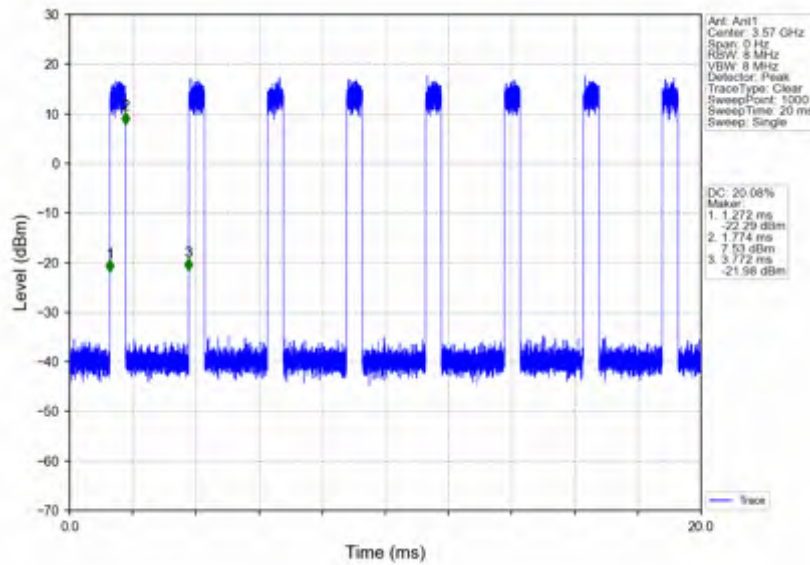


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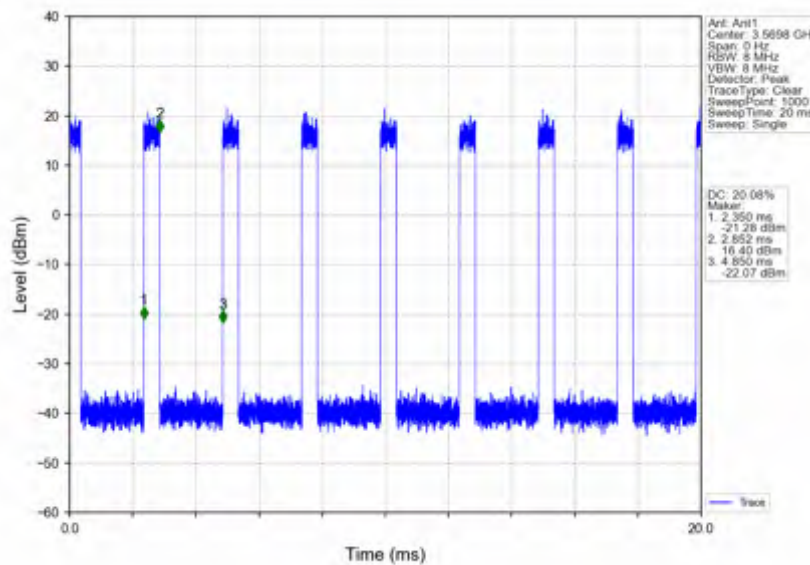
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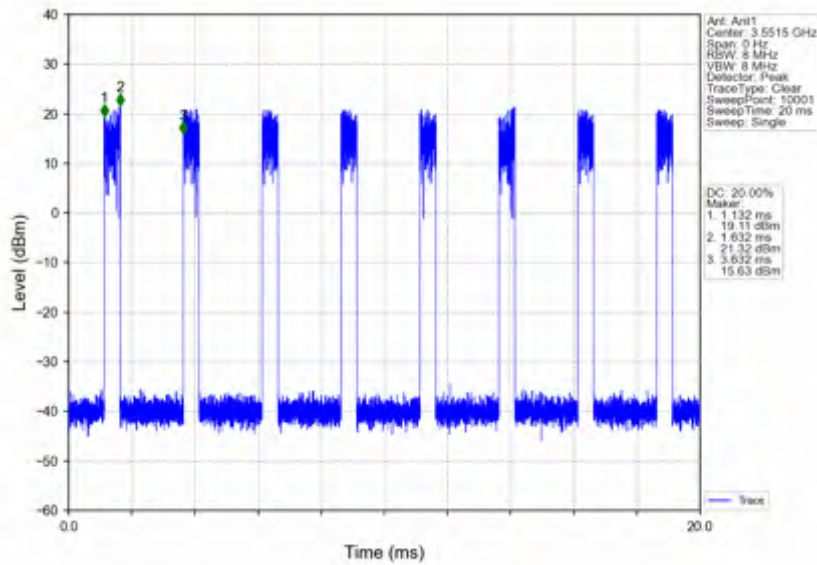
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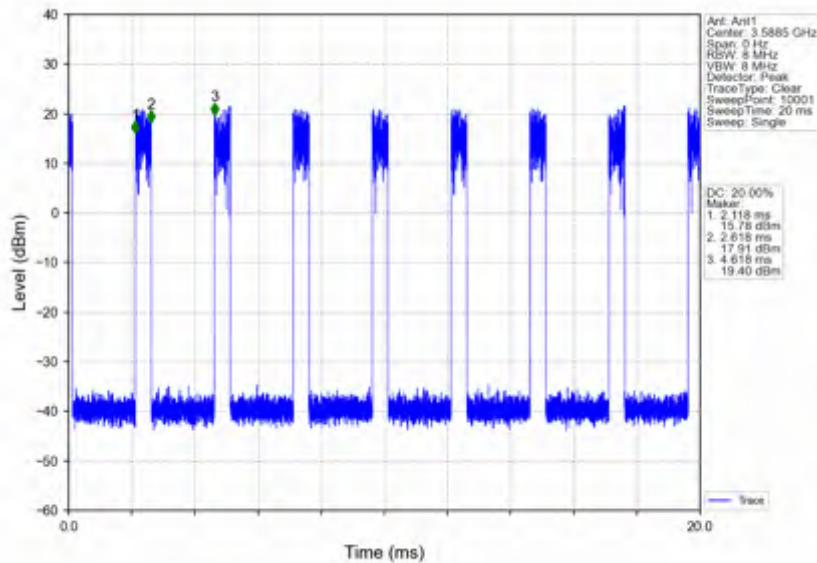
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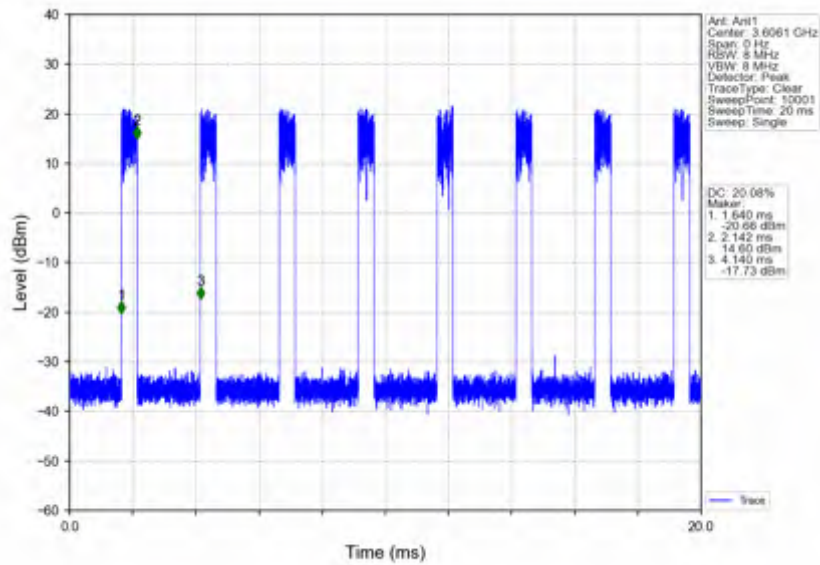
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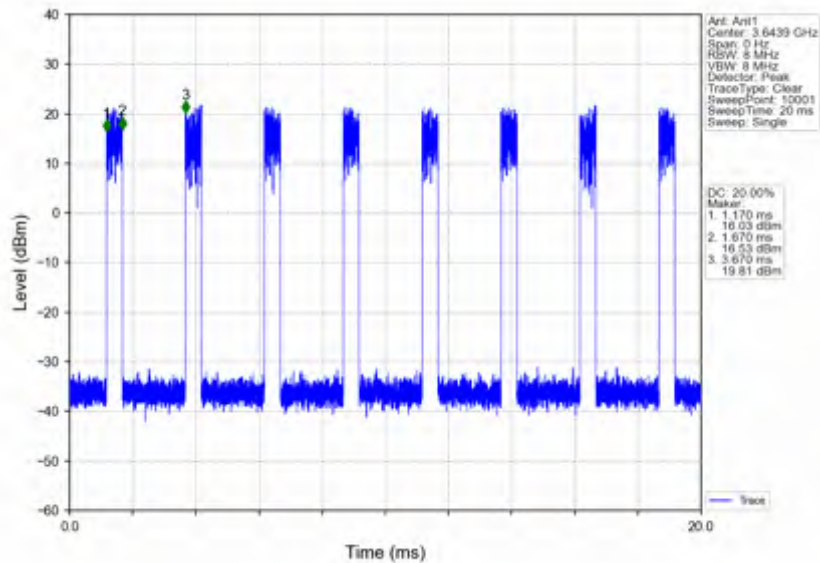
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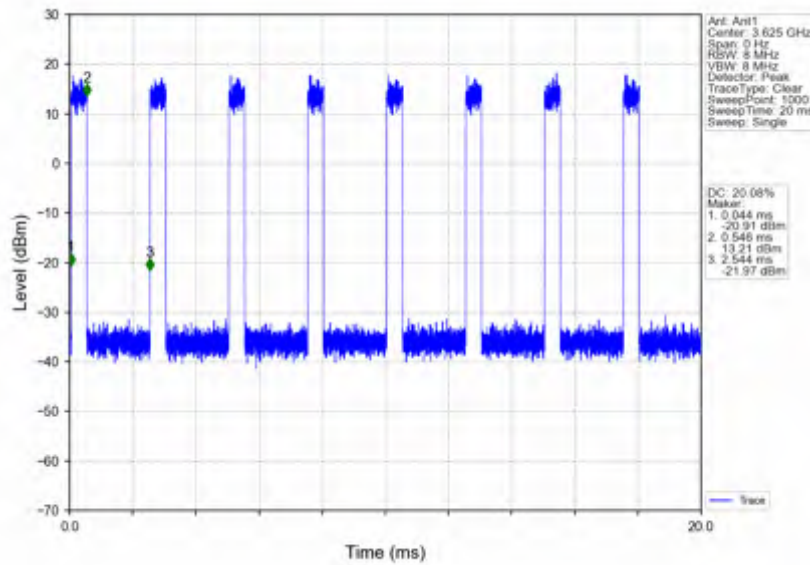
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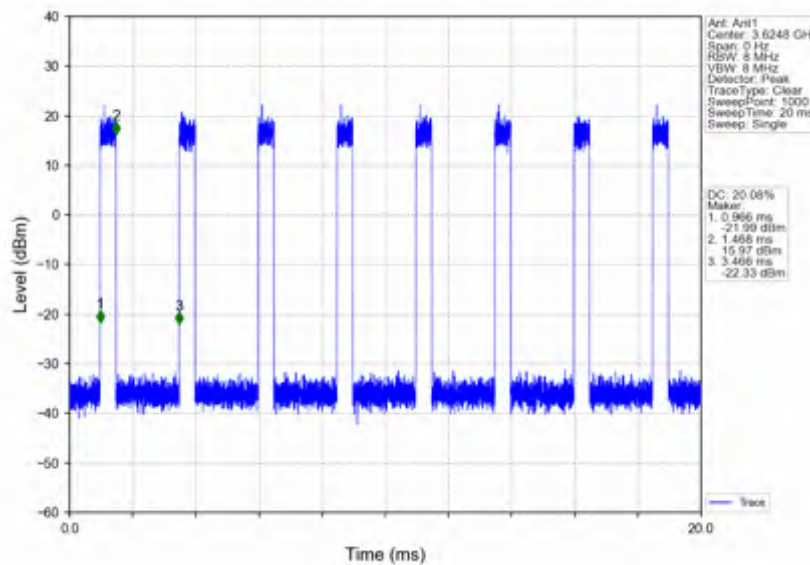
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n78d_30kHz_SISO_NTV_40MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full



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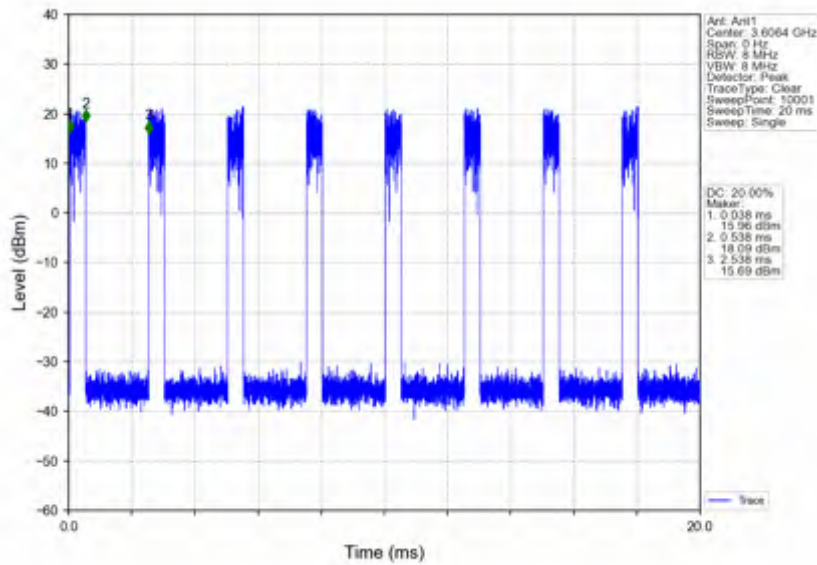
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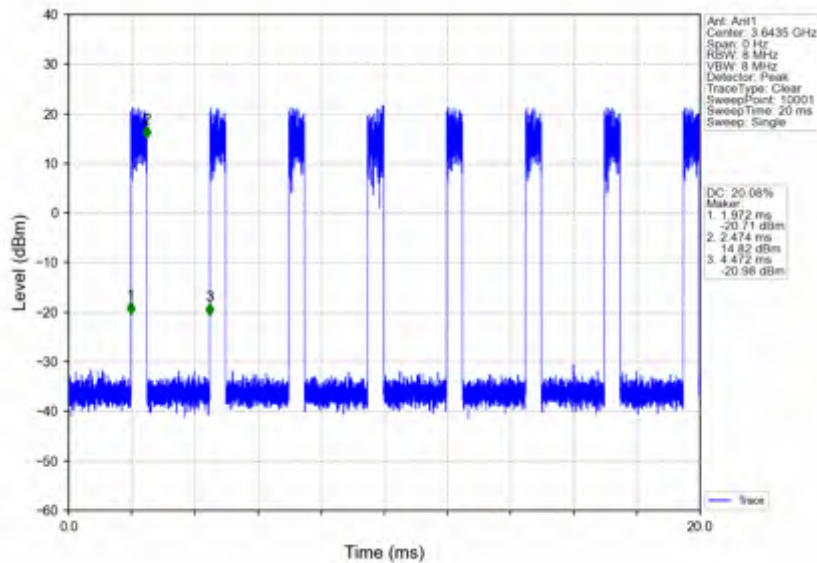
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n78d_30kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM_3624.99MHz_Inner_1RB_Left



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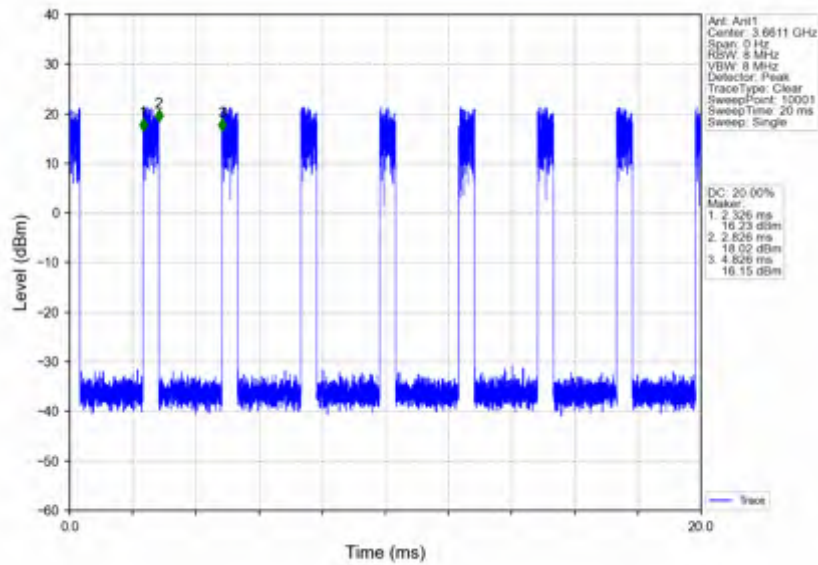
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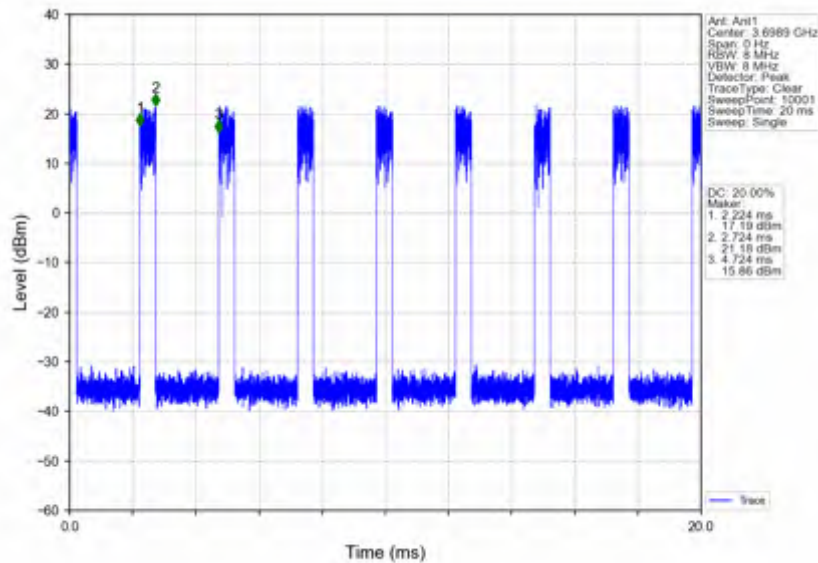
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n78d_30kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM_3679.98MHz_Edge_1RB_Left



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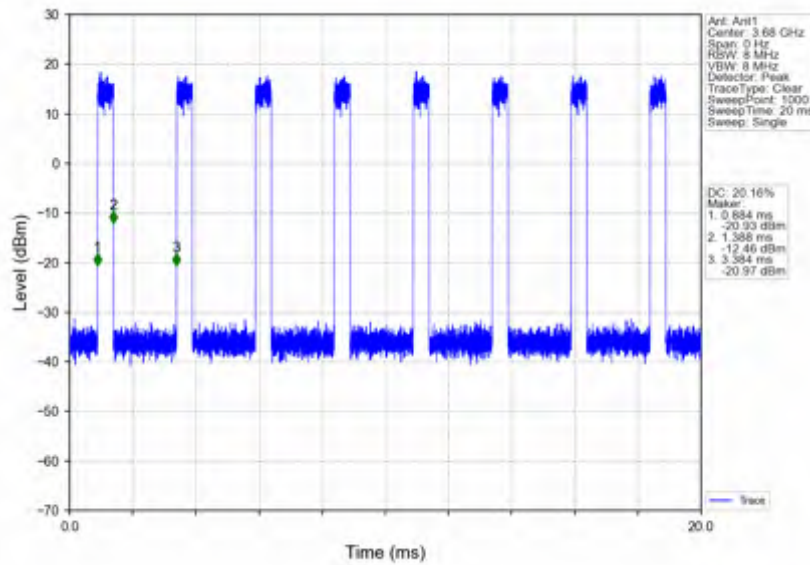


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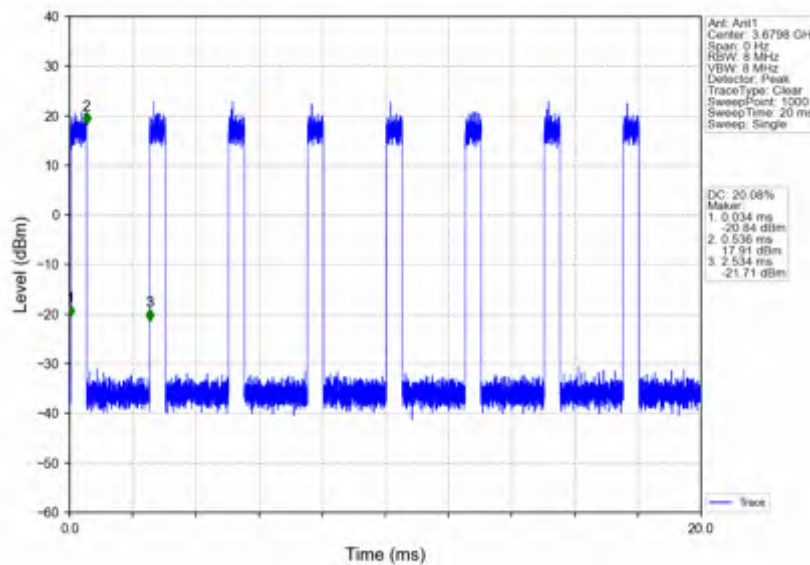
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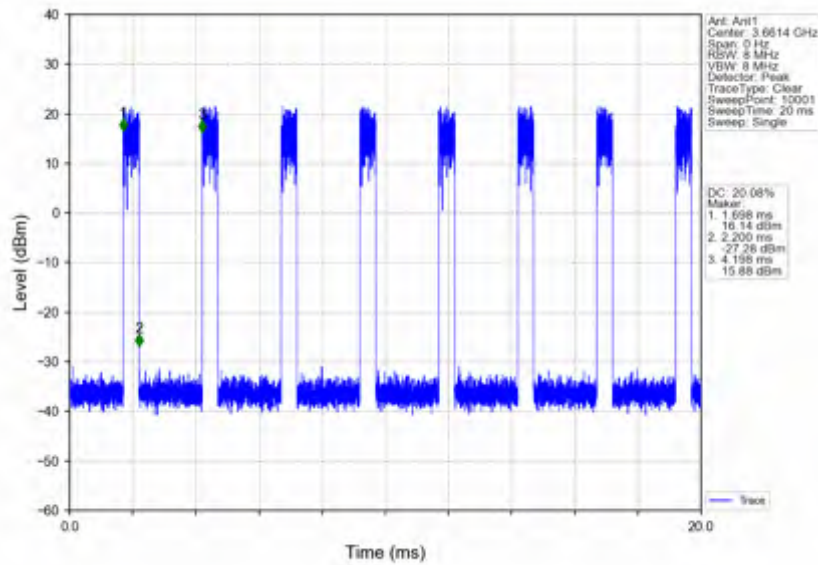


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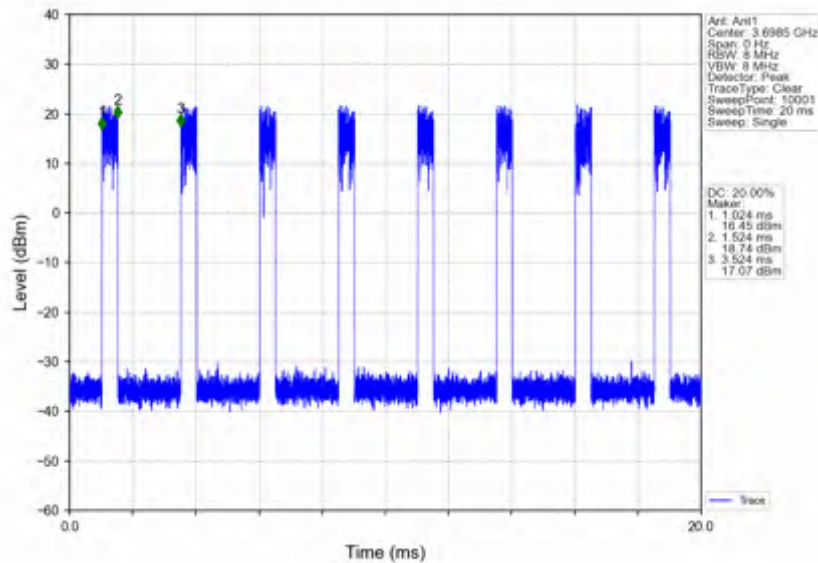
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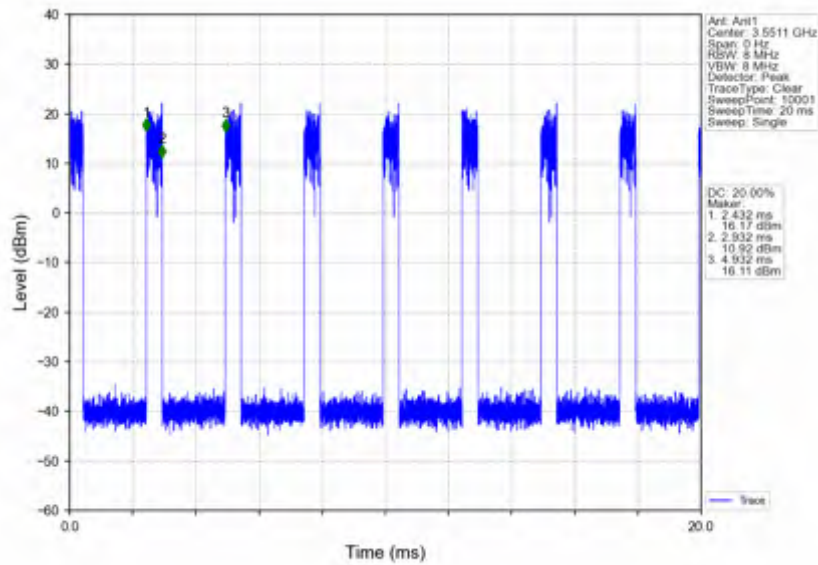


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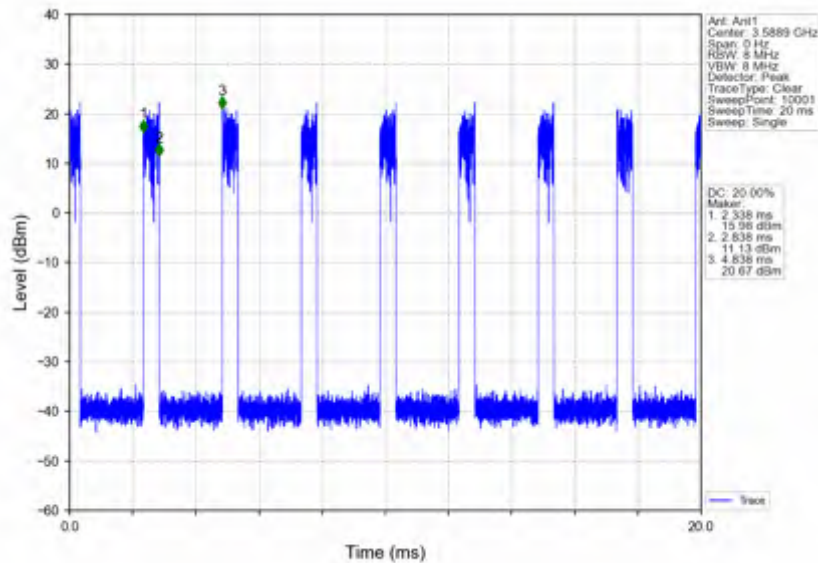
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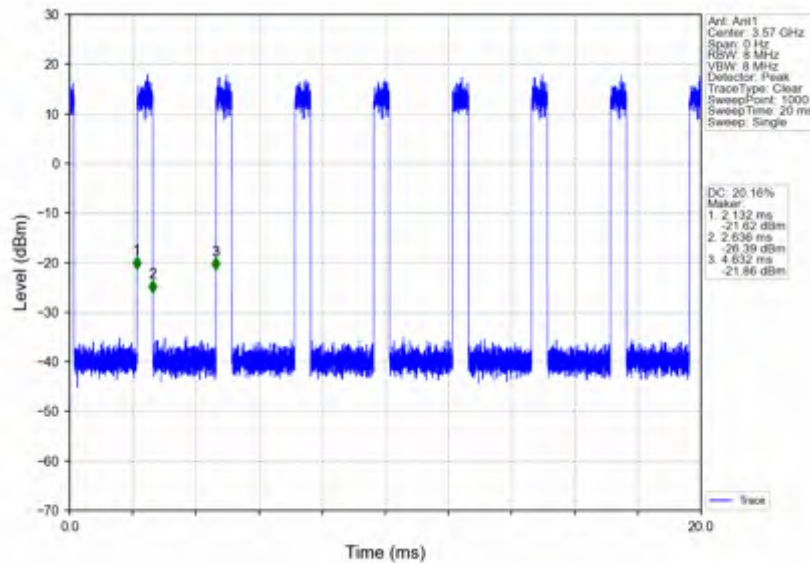
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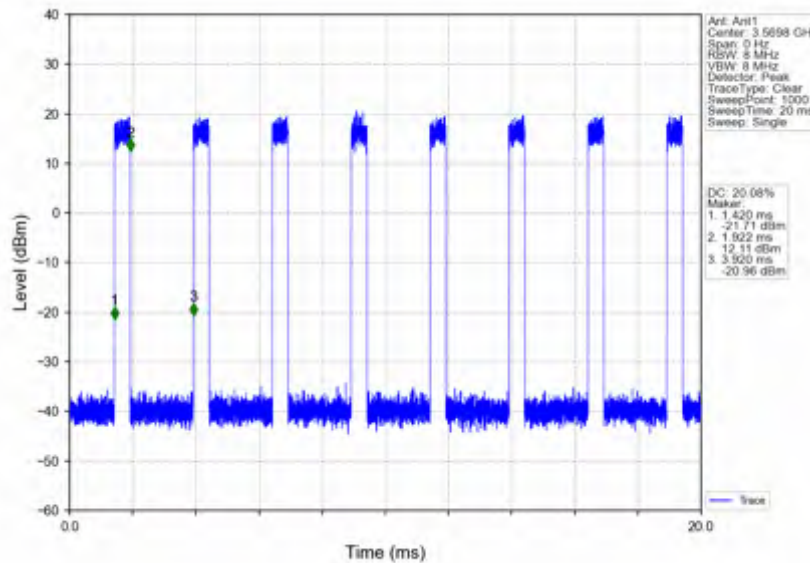
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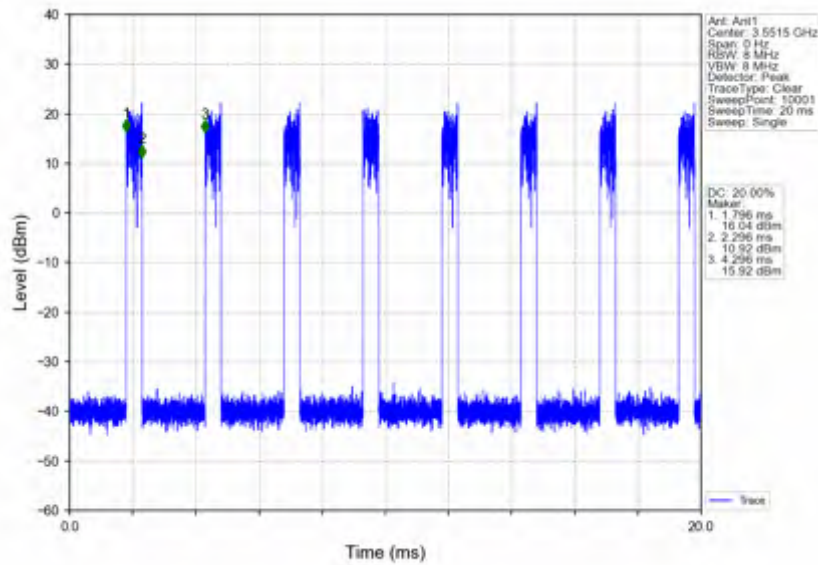


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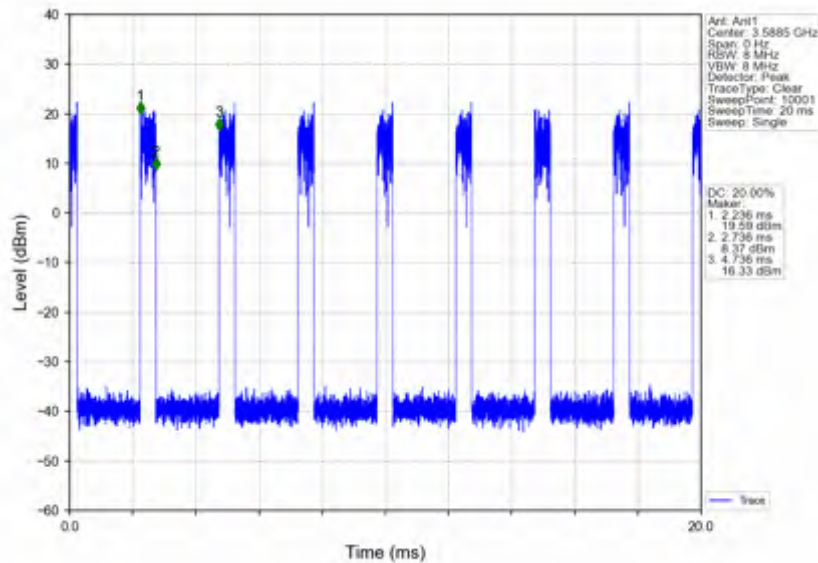
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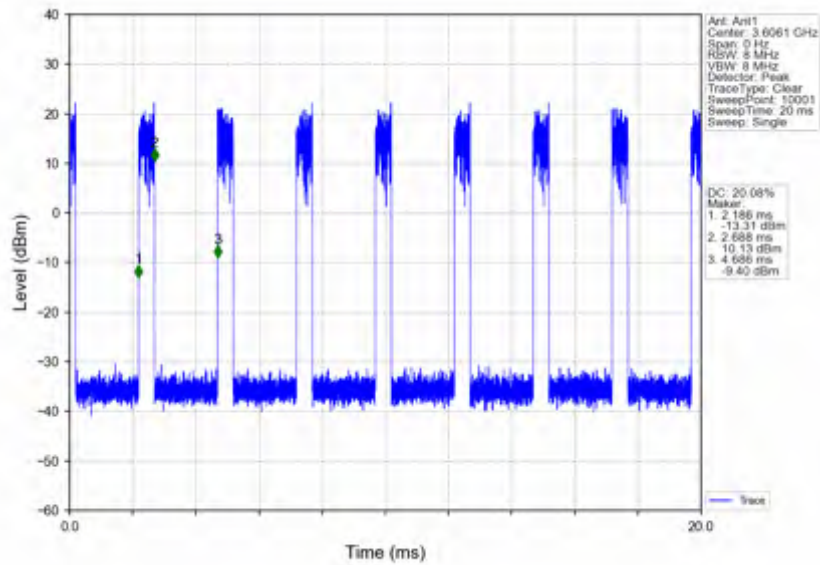


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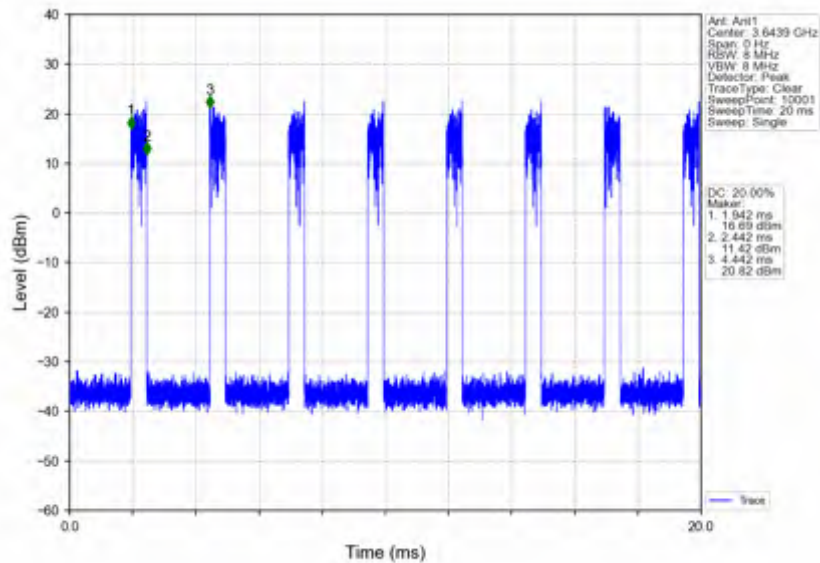
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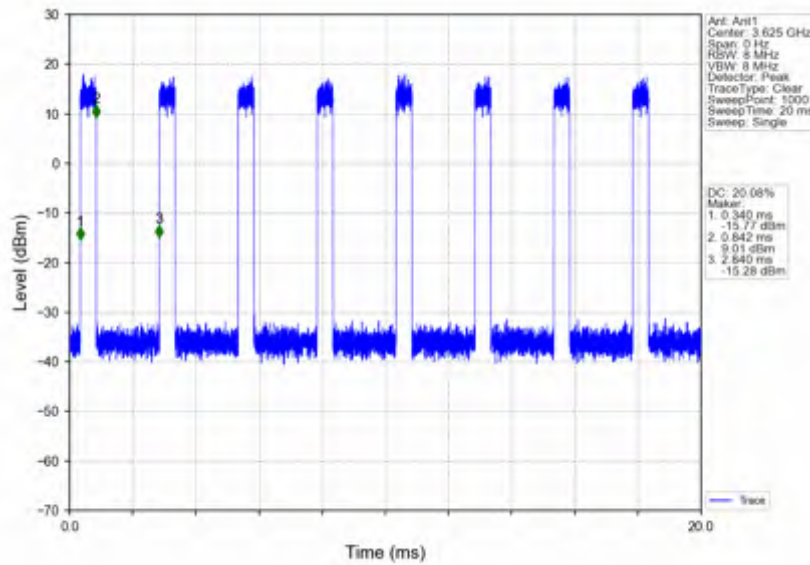
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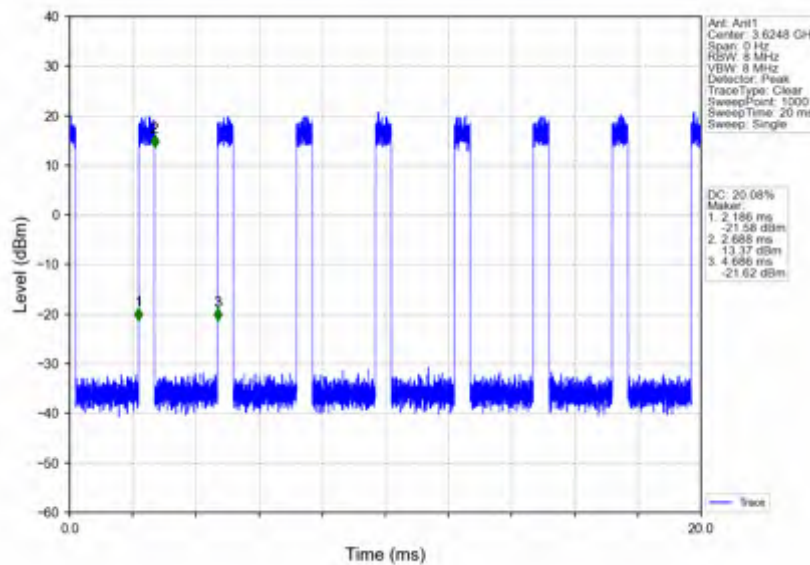
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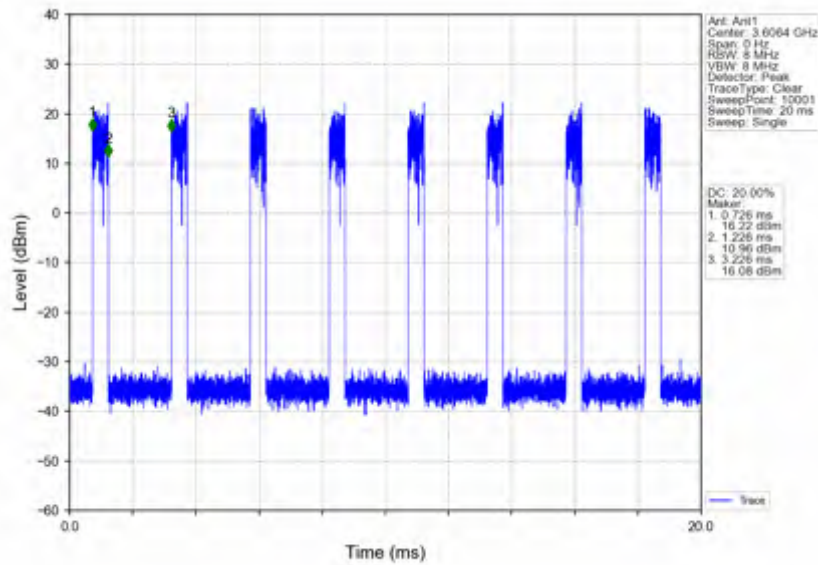


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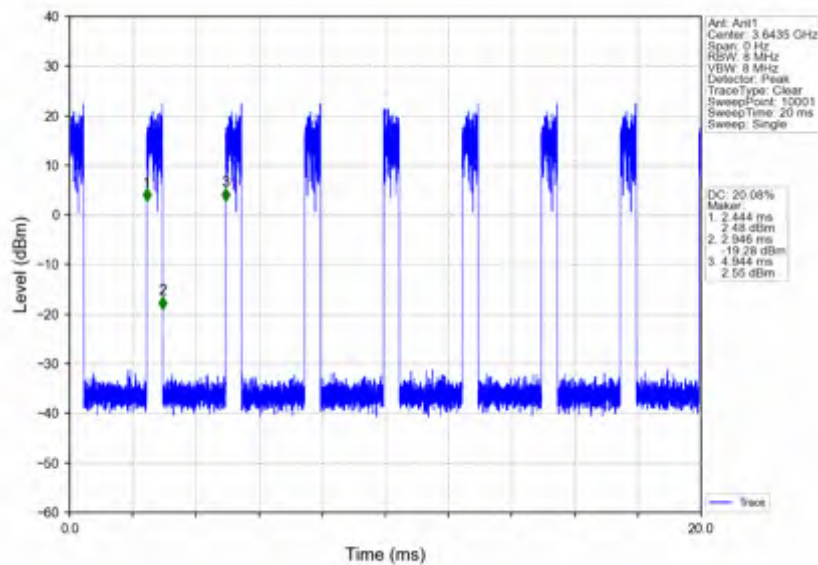
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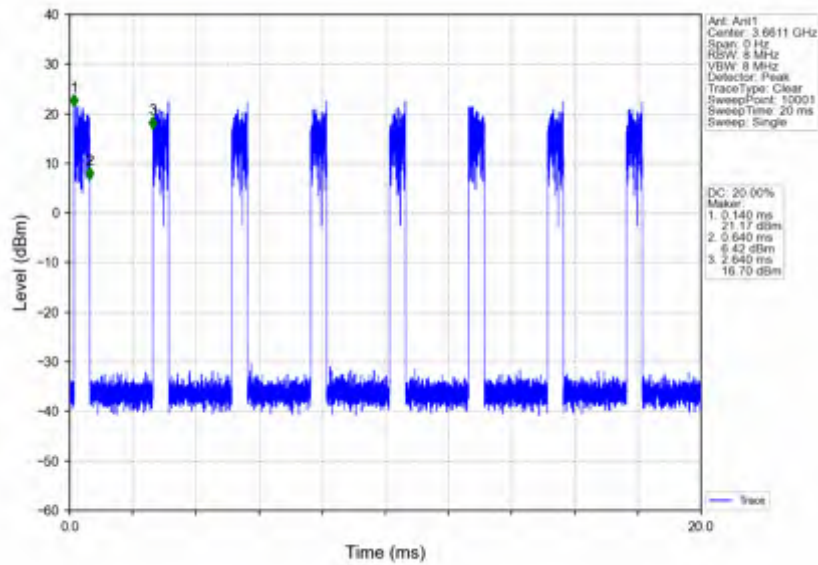
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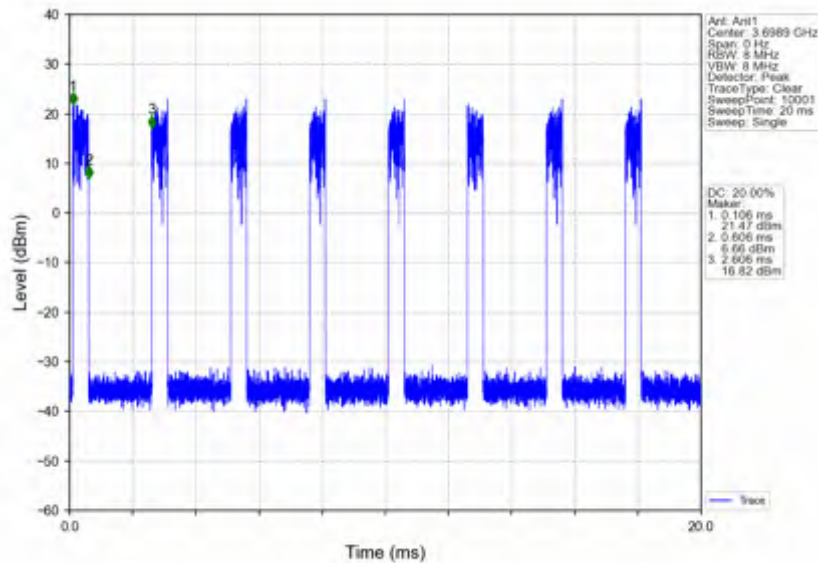
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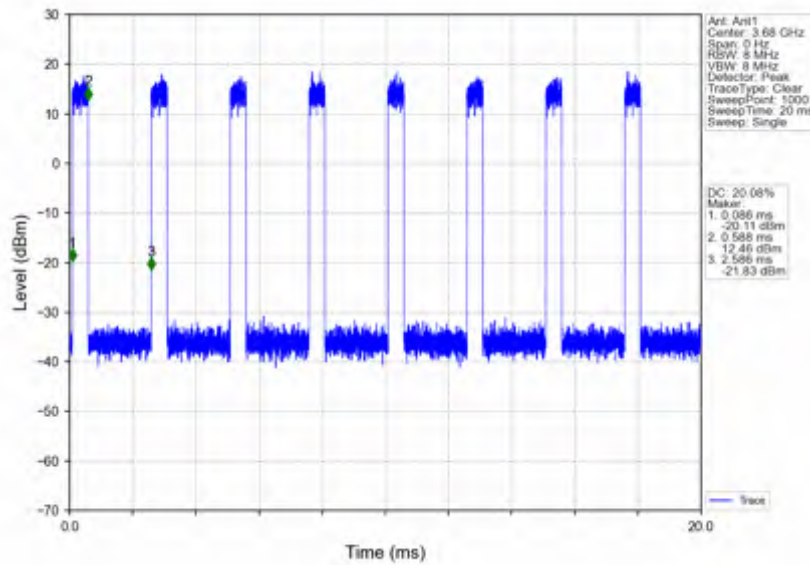
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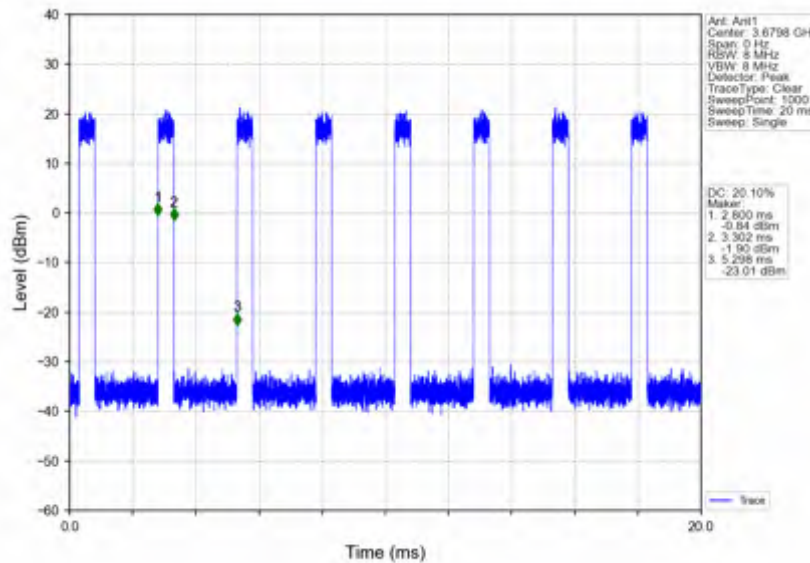
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n78d_30kHz_SISO_NTNV_40MHz_CP-OFDM 256 QAM_3679.98MHz_Outer_Full



n78d_30kHz_SISO_NTNV_40MHz_CP-OFDM 256 QAM_3679.98MHz_Inner_Full

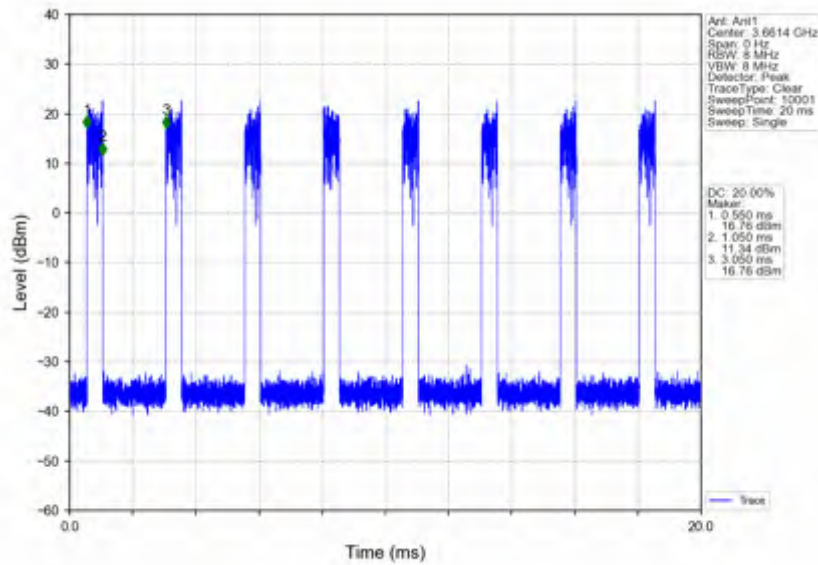


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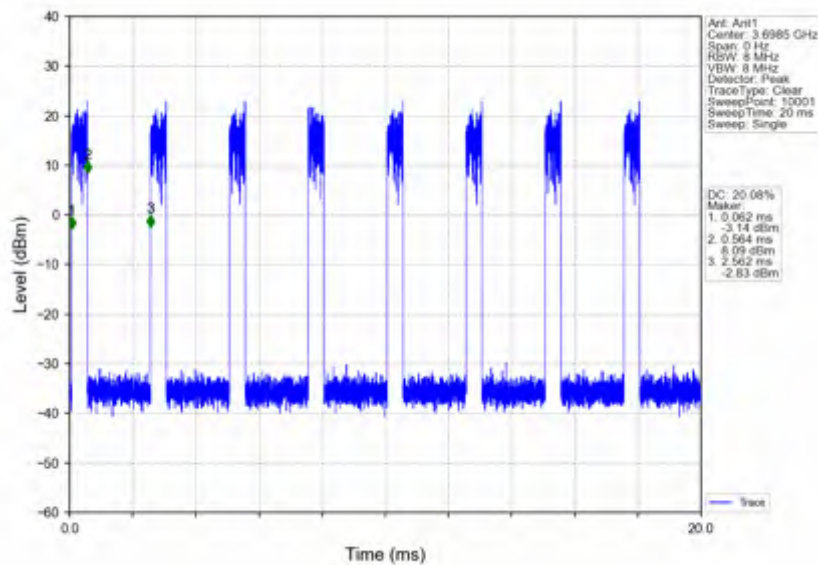
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n78d_30kHz_SISO_NTNV_40MHz_CP-OFDM 256 QAM_3679.98MHz_Inner_1RB_Left



n78d_30kHz_SISO_NTNV_40MHz_CP-OFDM 256 QAM_3679.98MHz_Inner_1RB_Right



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1.14 30k_SISO_50MHz_NTNV

1.14.1 Test Result

5G NR n78d SCS=30kHz SISO 50MHz NTV							
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	3575.01	Edge_1RB_Left	0.500	2.500	20.00	6.99	0.00
		Edge_1RB_Right	0.502	2.500	20.08	6.97	0.00
		Outer_Full	0.502	2.500	20.08	6.97	0.00
		Inner_Full	0.502	2.500	20.08	6.97	0.00
		Inner_1RB_Left	0.502	2.500	20.08	6.97	0.00
		Inner_1RB_Right	0.500	2.500	20.00	6.99	0.00
	3624.99	Edge_1RB_Left	0.500	2.500	20.00	6.99	0.08
		Edge_1RB_Right	0.500	2.500	20.00	6.99	0.16
		Outer_Full	0.504	2.500	20.16	6.96	0.00
		Inner_Full	0.504	2.500	20.16	6.96	0.00
		Inner_1RB_Left	0.500	2.500	20.00	6.99	0.06
		Inner_1RB_Right	0.502	2.500	20.08	6.97	0.08
	3675	Edge_1RB_Left	0.502	2.500	20.08	6.97	0.00
		Edge_1RB_Right	0.500	2.500	20.00	6.99	0.00
		Outer_Full	0.500	2.500	20.00	6.99	0.08
		Inner_Full	0.500	2.498	20.02	6.99	0.06
		Inner_1RB_Left	0.502	2.500	20.08	6.97	0.00
		Inner_1RB_Right	0.500	2.500	20.00	6.99	0.00
DFT-s-OFDM QPSK	3575.01	Edge_1RB_Left	0.500	2.500	20.00	6.99	0.00
		Edge_1RB_Right	0.502	2.500	20.08	6.97	0.00
		Outer_Full	0.502	2.500	20.08	6.97	0.00
		Inner_Full	0.504	2.500	20.16	6.96	0.00
		Inner_1RB_Left	0.500	2.500	20.00	6.99	0.00
		Inner_1RB_Right	0.500	2.500	20.00	6.99	0.00
	3624.99	Edge_1RB_Left	0.500	2.500	20.00	6.99	0.00
		Edge_1RB_Right	0.500	2.500	20.00	6.99	0.00
		Outer_Full	0.500	2.498	20.02	6.99	0.06
		Inner_Full	0.502	2.500	20.08	6.97	0.00
		Inner_1RB_Left	0.502	2.500	20.08	6.97	0.00
		Inner_1RB_Right	0.500	2.500	20.00	6.99	0.00
	3675	Edge_1RB_Left	0.502	2.500	20.08	6.97	0.00
		Edge_1RB_Right	0.500	2.500	20.00	6.99	0.00
		Outer_Full	0.502	2.500	20.08	6.97	0.00
		Inner_Full	0.502	2.500	20.08	6.97	0.00
		Inner_1RB_Left	0.500	2.500	20.00	6.99	0.00
		Inner_1RB_Right	0.500	2.500	20.00	6.99	0.00
DFT-s-OFDM 16 QAM	3575.01	Edge_1RB_Left	0.500	2.500	20.00	6.99	0.00
		Edge_1RB_Right	0.500	2.500	20.00	6.99	0.00
		Outer_Full	0.502	2.500	20.08	6.97	0.00
		Inner_Full	0.502	2.500	20.08	6.97	0.00
		Inner_1RB_Left	0.502	2.500	20.08	6.97	0.00
		Inner_1RB_Right	0.500	2.500	20.00	6.99	0.00
	3624.99	Edge_1RB_Left	0.502	2.500	20.08	6.97	0.00
		Edge_1RB_Right	0.500	2.500	20.00	6.99	0.00



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		Outer_Full	0.502	2.500	20.08	6.97	0.00	
		Inner_Full	0.502	2.500	20.08	6.97	0.00	
		Inner_1RB_Left	0.500	2.500	20.00	6.99	0.00	
		Inner_1RB_Right	0.500	2.500	20.00	6.99	0.00	
	3675	Edge_1RB_Left	0.500	2.500	20.00	6.99	0.00	
		Edge_1RB_Right	0.502	2.500	20.08	6.97	0.00	
		Outer_Full	0.502	2.500	20.08	6.97	0.00	
		Inner_Full	0.502	2.500	20.08	6.97	0.00	
	DFT-s-OFDM 64 QAM	3575.01	Inner_1RB_Left	0.500	2.500	20.00	6.99	0.08
			Inner_1RB_Right	0.500	2.500	20.00	6.99	0.00
			Edge_1RB_Left	0.502	2.500	20.08	6.97	0.00
			Edge_1RB_Right	0.500	2.500	20.00	6.99	0.08
3624.99		Outer_Full	0.502	2.500	20.08	6.97	0.08	
		Inner_Full	0.502	2.500	20.08	6.97	0.00	
		Inner_1RB_Left	0.502	2.500	20.08	6.97	0.00	
		Inner_1RB_Right	0.500	2.500	20.00	6.99	0.00	
3675		Edge_1RB_Left	0.502	2.500	20.08	6.97	0.00	
		Edge_1RB_Right	0.502	2.500	20.08	6.97	0.00	
		Outer_Full	0.502	2.500	20.08	6.97	0.08	
		Inner_Full	0.502	2.500	20.08	6.97	0.00	
DFT-s-OFDM 256 QAM	3575.01	Inner_1RB_Left	0.502	2.500	20.08	6.97	0.00	
		Inner_1RB_Right	0.500	2.500	20.00	6.99	0.00	
		Edge_1RB_Left	0.500	2.500	20.00	6.99	0.08	
		Edge_1RB_Right	0.500	2.500	20.00	6.99	0.00	
	3624.99	Outer_Full	0.502	2.500	20.08	6.97	0.08	
		Inner_Full	0.502	2.500	20.08	6.97	0.08	
		Inner_1RB_Left	0.502	2.500	20.08	6.97	0.00	
		Inner_1RB_Right	0.500	2.500	20.00	6.99	0.00	
	3675	Edge_1RB_Left	0.502	2.500	20.08	6.97	0.00	
		Edge_1RB_Right	0.500	2.500	20.00	6.99	0.00	
		Outer_Full	0.502	2.500	20.08	6.97	0.00	
		Inner_Full	0.502	2.500	20.08	6.97	0.00	
CP-OFDM QPSK	3575.01	Inner_1RB_Left	0.502	2.500	20.08	6.97	0.00	
		Inner_1RB_Right	0.502	2.500	20.08	6.97	0.00	
		Edge_1RB_Left	0.500	2.500	20.00	6.99	0.00	
		Edge_1RB_Right	0.502	2.500	20.08	6.97	0.00	
	3624.99	Outer_Full	0.502	2.500	20.08	6.97	0.00	
		Inner_Full	0.502	2.500	20.08	6.97	0.00	
		Inner_1RB_Left	0.500	2.500	20.00	6.99	0.08	
		Inner_1RB_Right	0.500	2.500	20.00	6.99	0.00	



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		Outer_Full	0.502	2.500	20.08	6.97	0.00	
		Inner_Full	0.502	2.500	20.08	6.97	0.00	
		Inner_1RB_Left	0.500	2.500	20.00	6.99	0.00	
		Inner_1RB_Right	0.502	2.500	20.08	6.97	0.00	
	3675	Edge_1RB_Left	0.502	2.500	20.08	6.97	0.00	
		Edge_1RB_Right	0.500	2.500	20.00	6.99	0.00	
		Outer_Full	0.502	2.500	20.08	6.97	0.08	
		Inner_Full	0.504	2.500	20.16	6.96	0.00	
	CP-OFDM 16 QAM	3575.01	Inner_1RB_Left	0.500	2.500	20.00	6.99	0.00
			Inner_1RB_Right	0.500	2.500	20.00	6.99	0.00
			Edge_1RB_Left	0.500	2.500	20.00	6.99	0.00
			Edge_1RB_Right	0.500	2.500	20.00	6.99	0.00
3624.99		Outer_Full	0.502	2.500	20.08	6.97	0.00	
		Inner_Full	0.502	2.500	20.08	6.97	0.00	
		Inner_1RB_Left	0.502	2.500	20.08	6.97	0.00	
		Inner_1RB_Right	0.500	2.500	20.00	6.99	0.00	
3675		Edge_1RB_Left	0.500	2.500	20.00	6.99	0.00	
		Edge_1RB_Right	0.500	2.500	20.00	6.99	0.00	
		Outer_Full	0.502	2.500	20.08	6.97	0.00	
		Inner_Full	0.504	2.500	20.16	6.96	0.00	
CP-OFDM 64 QAM	3575.01	Inner_1RB_Left	0.502	2.500	20.08	6.97	0.00	
		Inner_1RB_Right	0.502	2.500	20.08	6.97	0.00	
		Outer_Full	0.502	2.500	20.08	6.97	0.00	
		Inner_Full	0.504	2.500	20.16	6.96	0.00	
	3624.99	Inner_1RB_Left	0.500	2.500	20.00	6.99	0.00	
		Inner_1RB_Right	0.500	2.500	20.00	6.99	0.00	
		Edge_1RB_Left	0.500	2.500	20.00	6.99	0.06	
		Edge_1RB_Right	0.500	2.500	20.00	6.99	0.00	
	3675	Outer_Full	0.502	2.500	20.08	6.97	0.00	
		Inner_Full	0.502	2.500	20.08	6.97	0.00	
		Inner_1RB_Left	0.500	2.500	20.00	6.99	0.00	
		Inner_1RB_Right	0.500	2.500	20.00	6.99	0.00	
CP-OFDM 256 QAM	3575.01	Edge_1RB_Left	0.502	2.500	20.08	6.97	0.00	
		Edge_1RB_Right	0.502	2.500	20.08	6.97	0.00	
		Outer_Full	0.502	2.500	20.08	6.97	0.00	
		Inner_Full	0.502	2.500	20.08	6.97	0.00	
	3624.99	Inner_1RB_Left	0.500	2.500	20.00	6.99	0.08	
		Inner_1RB_Right	0.500	2.500	20.00	6.99	0.00	
		Edge_1RB_Left	0.502	2.500	20.08	6.97	0.00	
		Edge_1RB_Right	0.500	2.500	20.00	6.99	0.00	



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		Outer_Full	0.502	2.500	20.08	6.97	0.00
		Inner_Full	0.502	2.500	20.08	6.97	0.08
		Inner_1RB_Left	0.500	2.500	20.00	6.99	0.00
		Inner_1RB_Right	0.502	2.500	20.08	6.97	0.00
	3675	Edge_1RB_Left	0.500	2.500	20.00	6.99	0.00
		Edge_1RB_Right	0.502	2.500	20.08	6.97	0.00
		Outer_Full	0.500	2.500	20.00	6.99	0.08
		Inner_Full	0.502	2.500	20.08	6.97	0.00
		Inner_1RB_Left	0.500	2.500	20.00	6.99	0.00
		Inner_1RB_Right	0.500	2.500	20.00	6.99	0.00

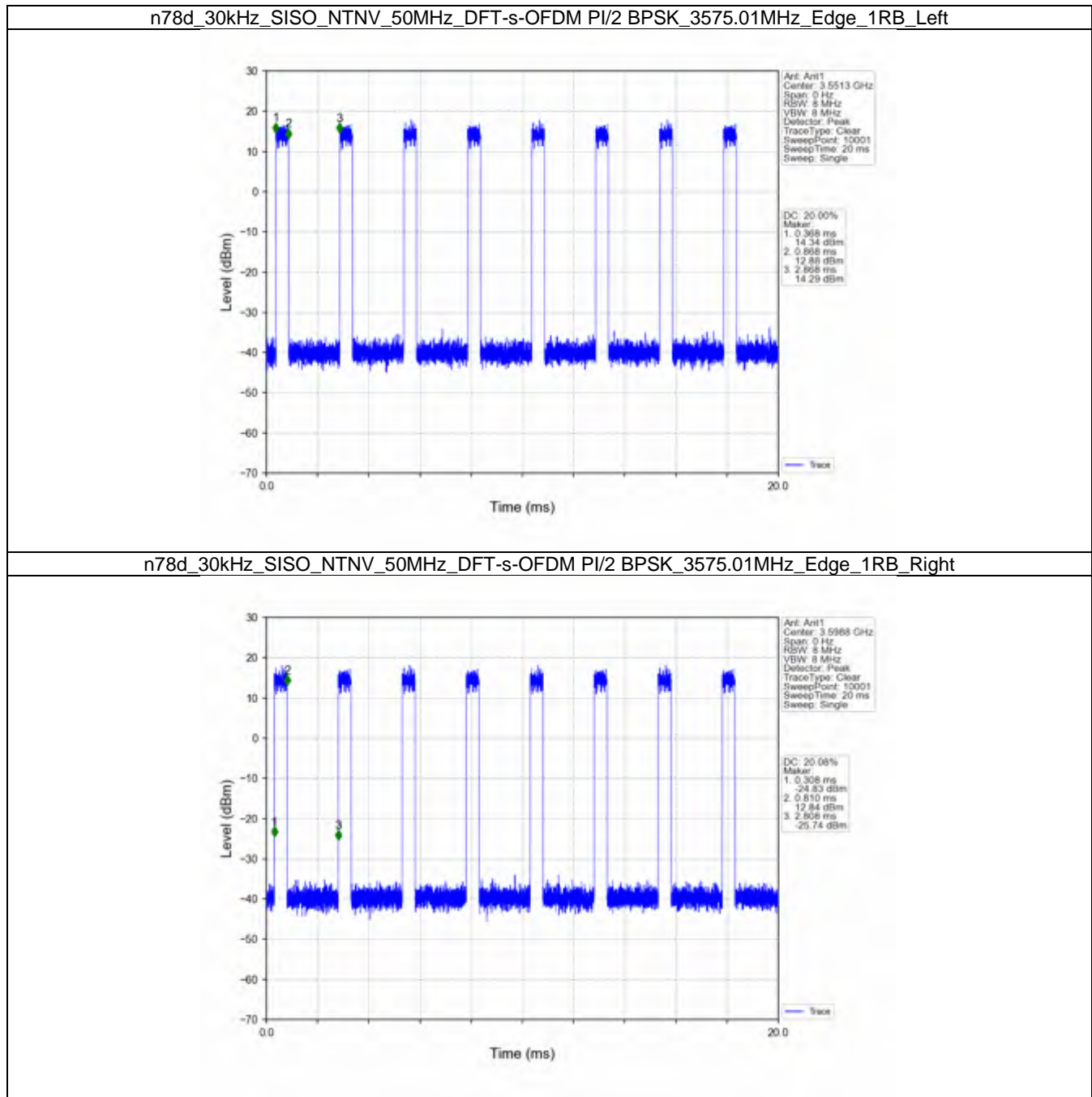


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1.14.2 Test Graph

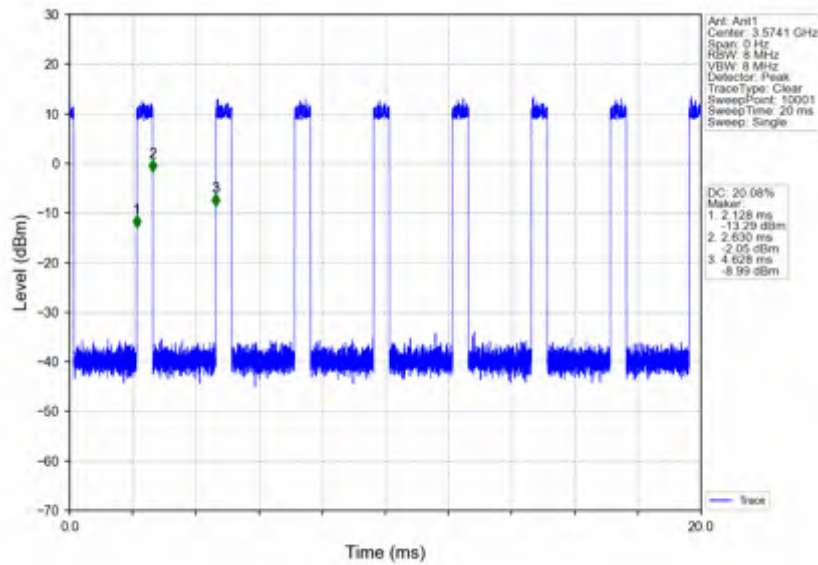


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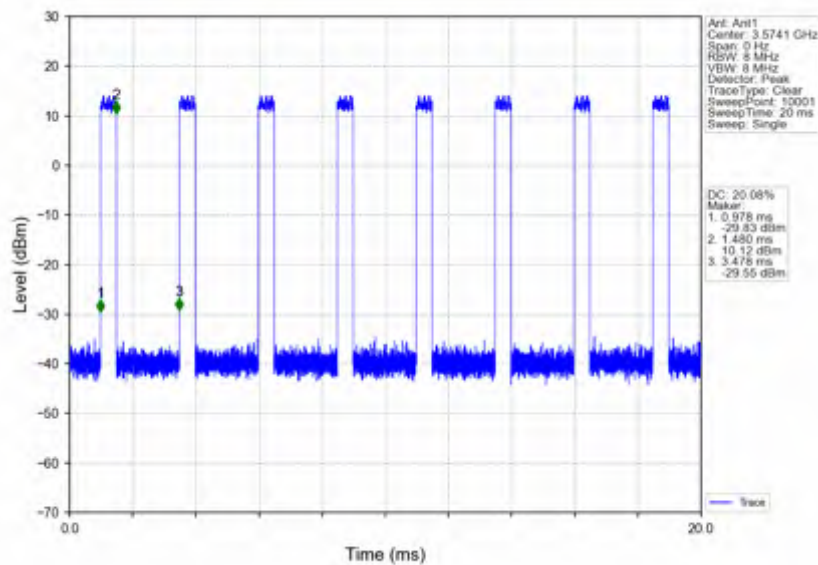
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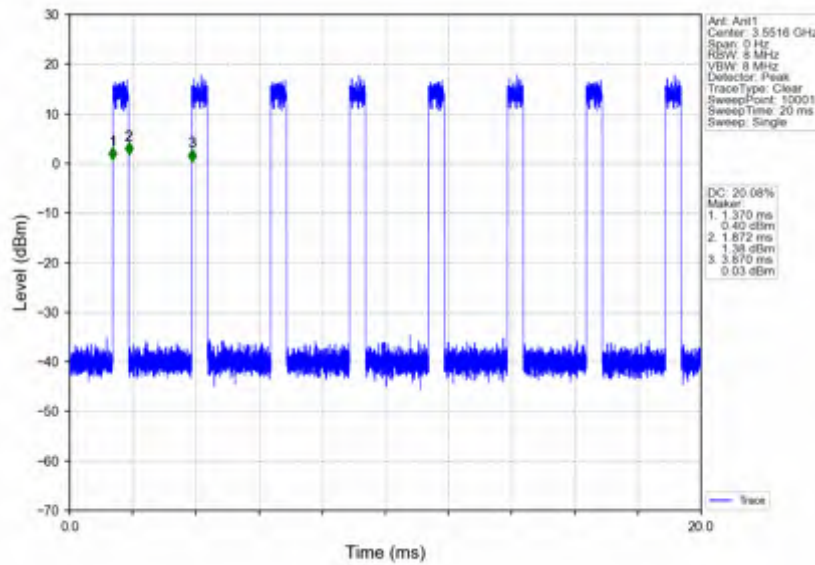
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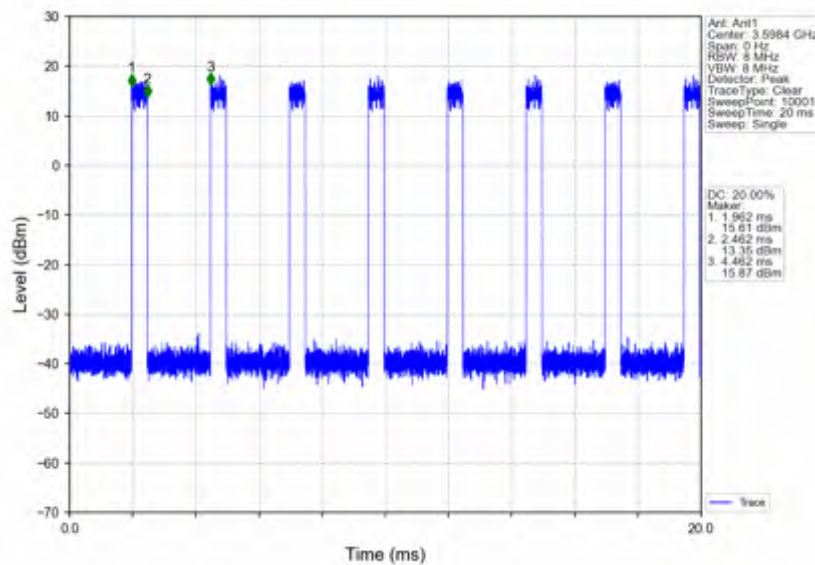
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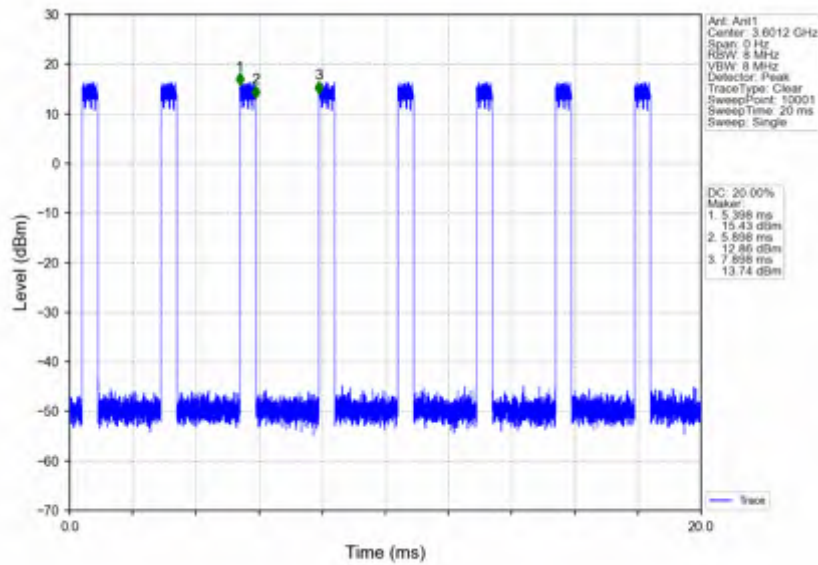
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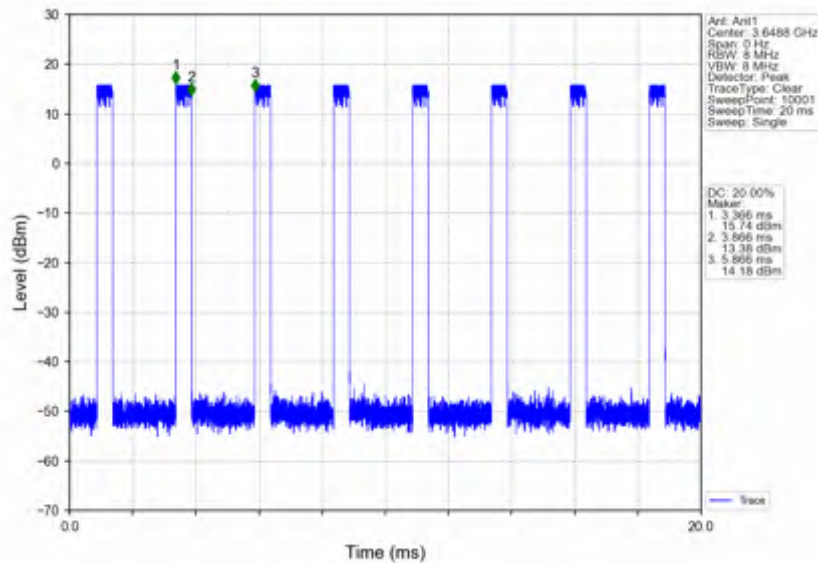
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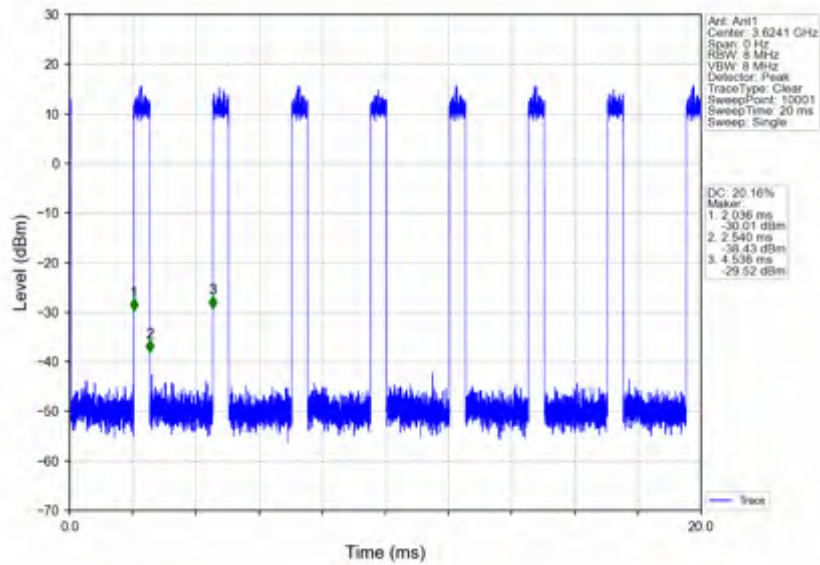


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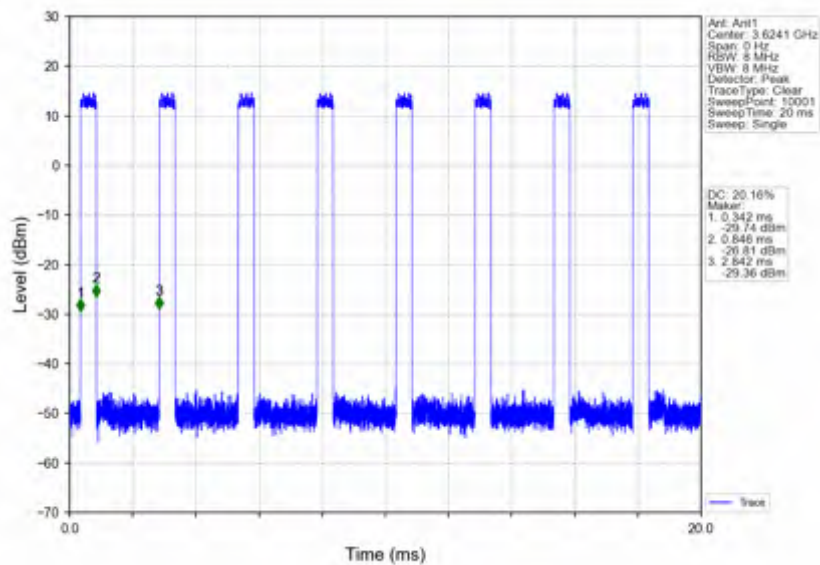
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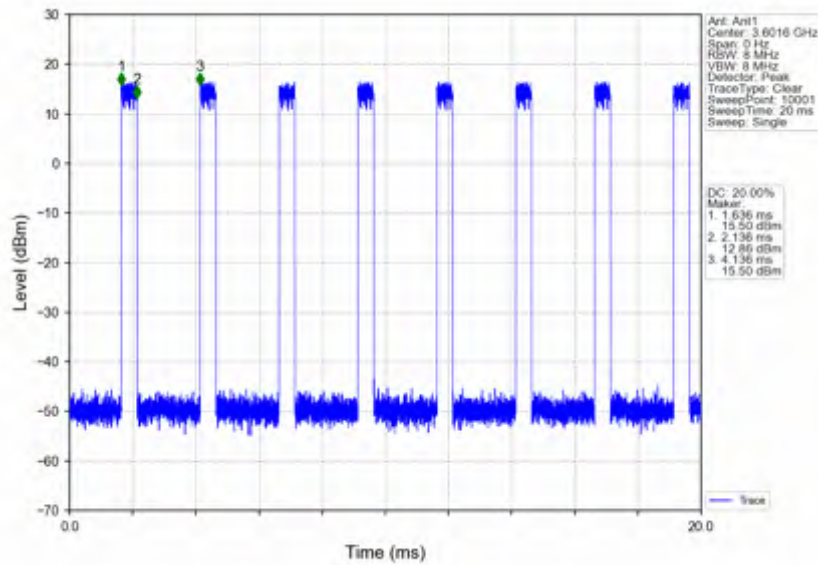
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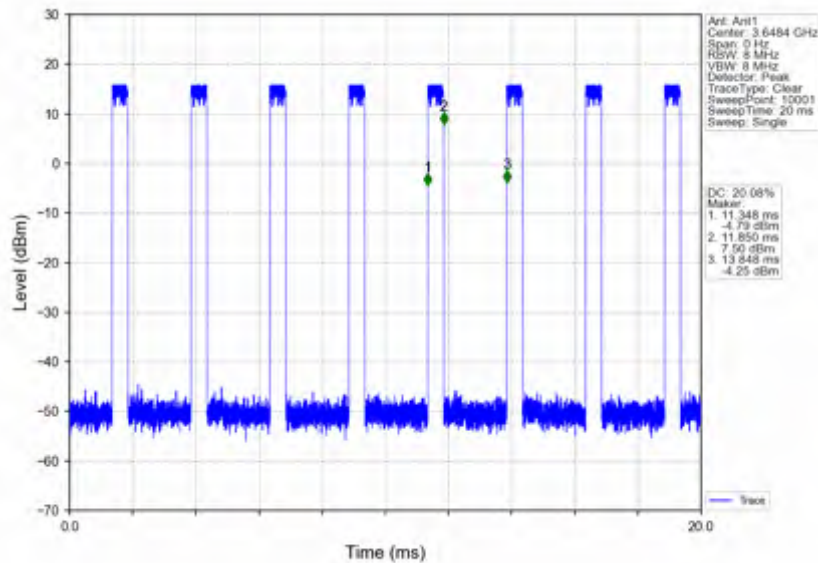
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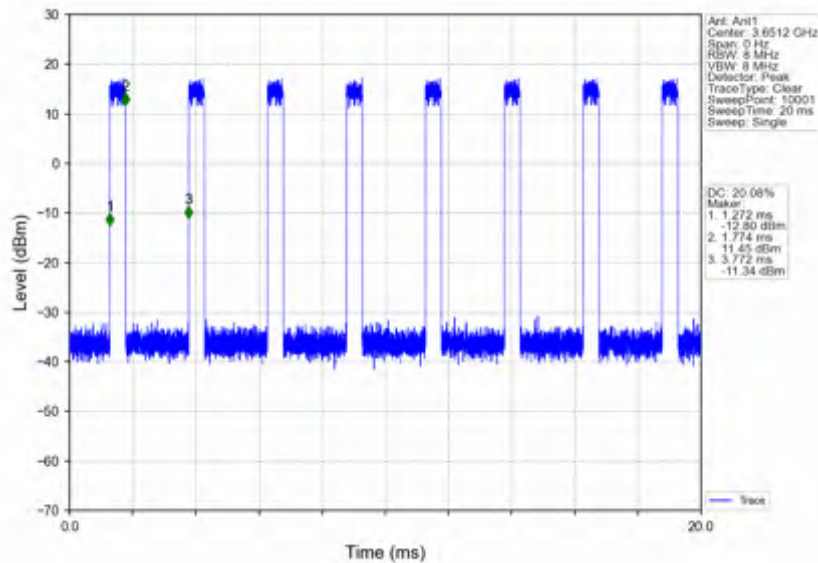
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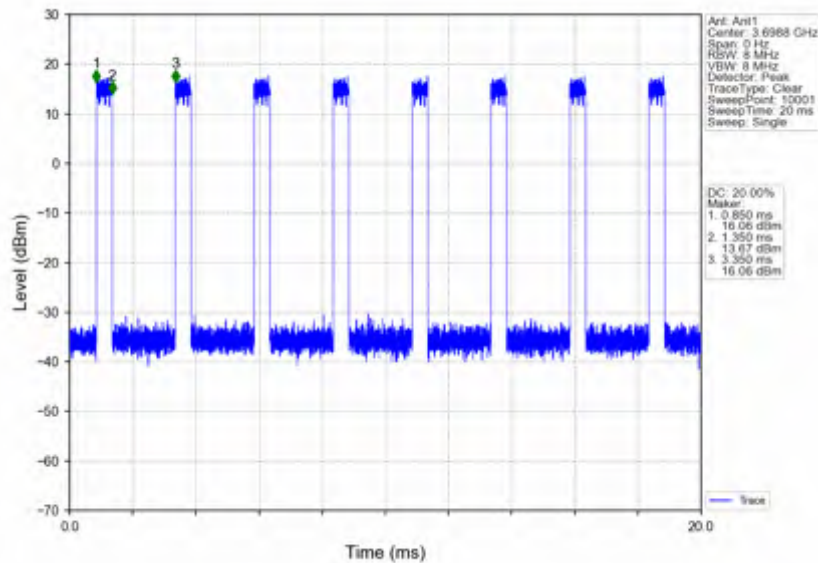
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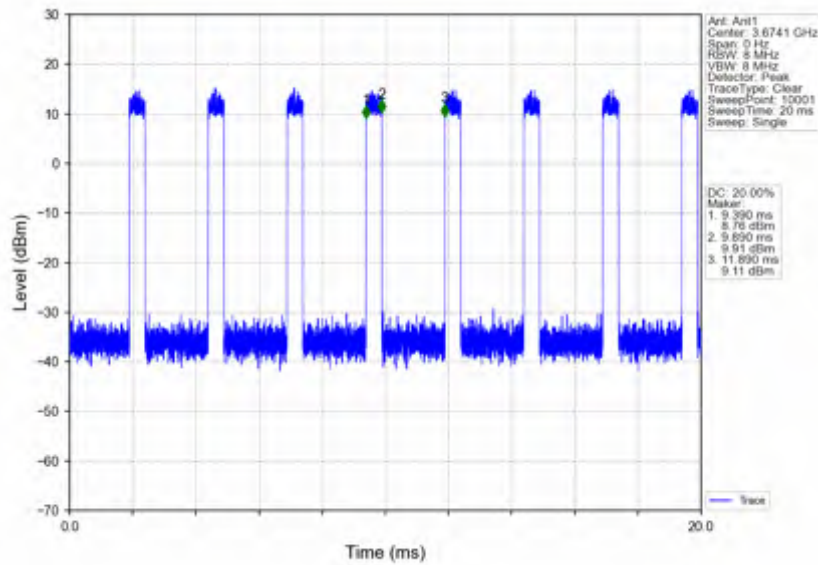
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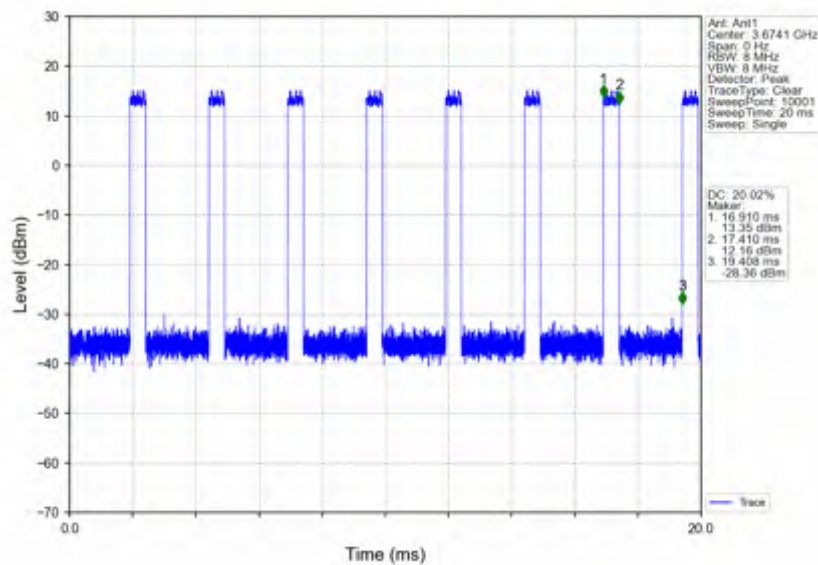
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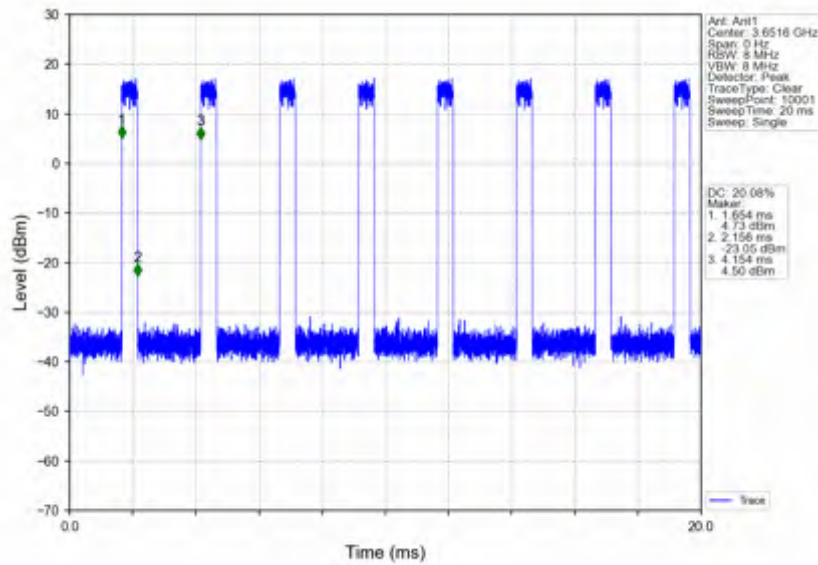
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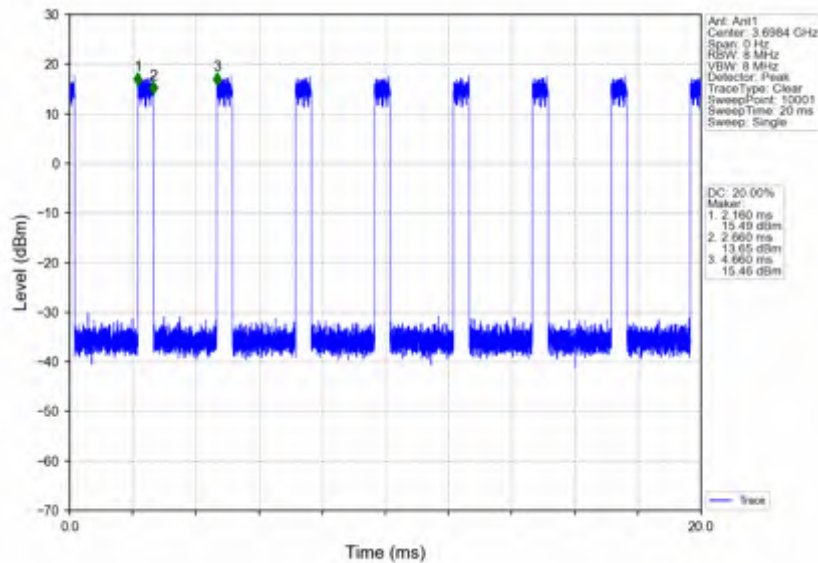
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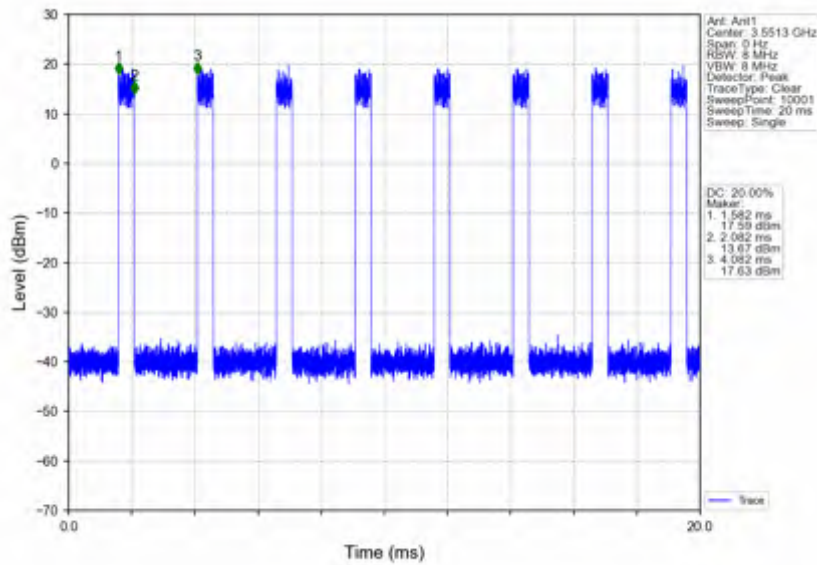
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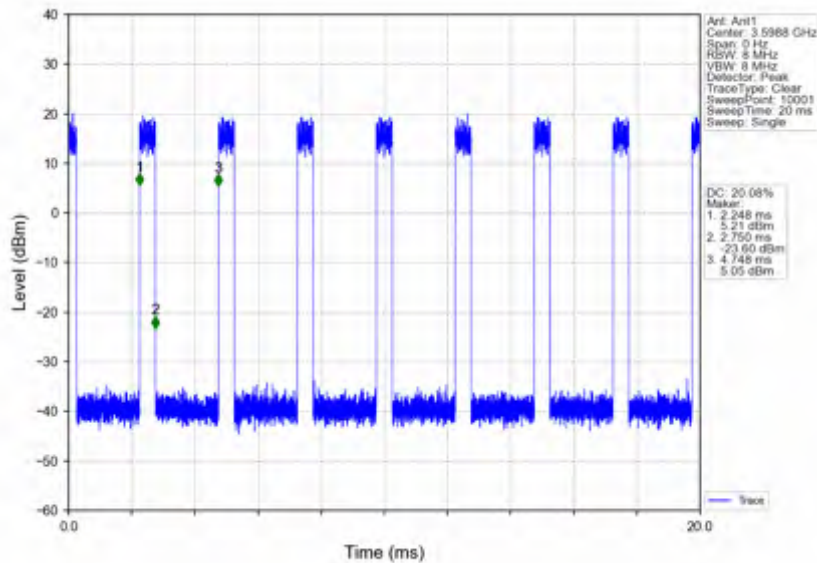
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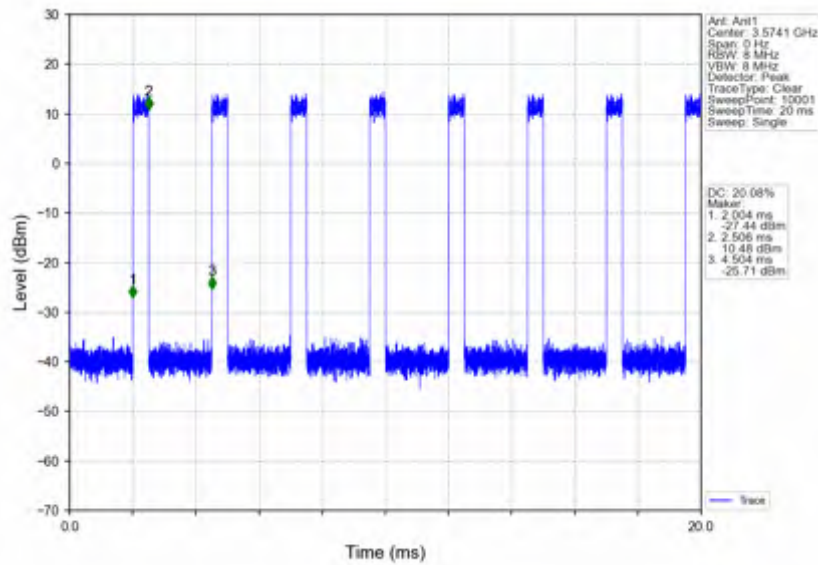


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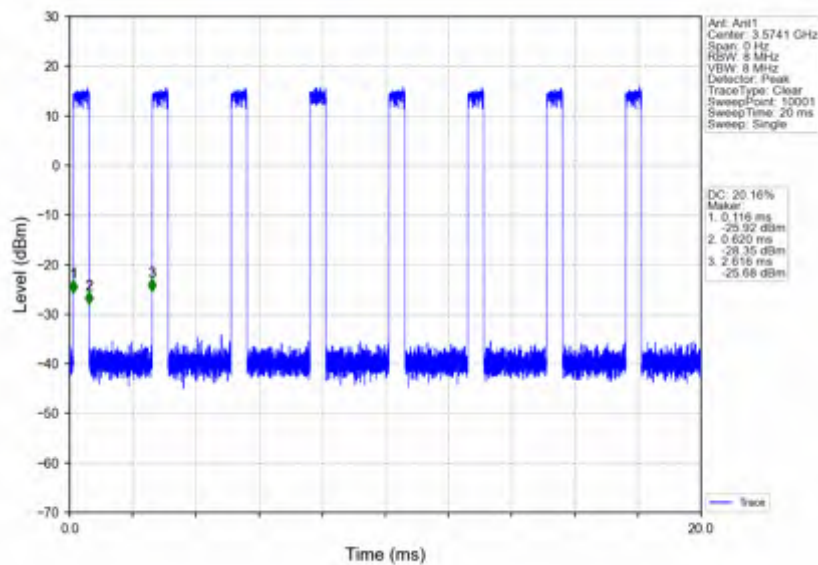
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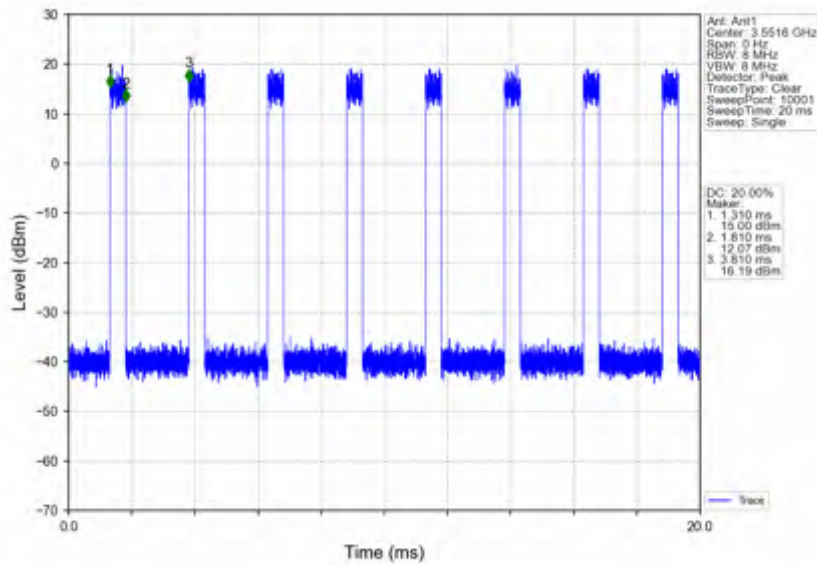
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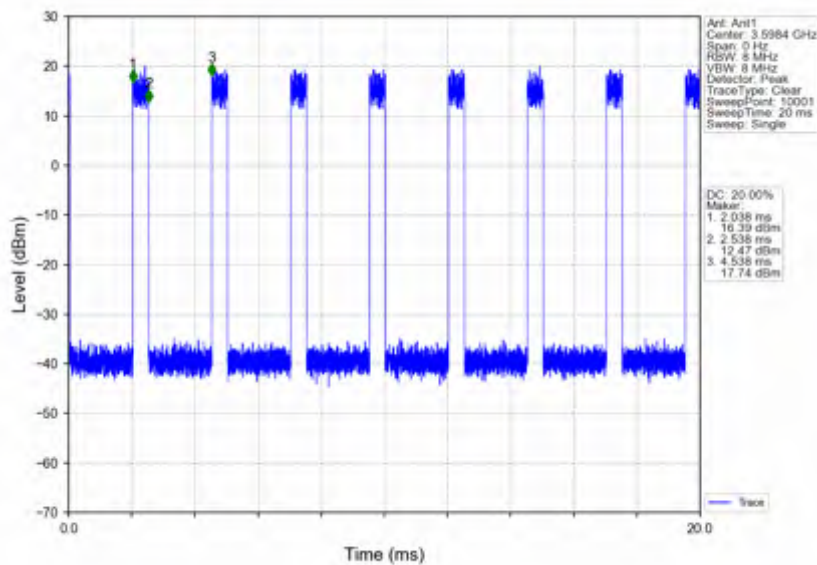
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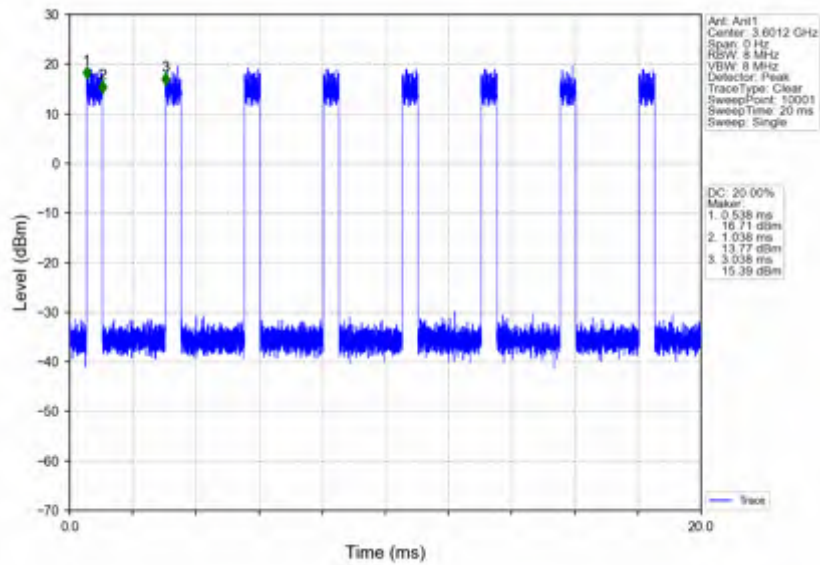
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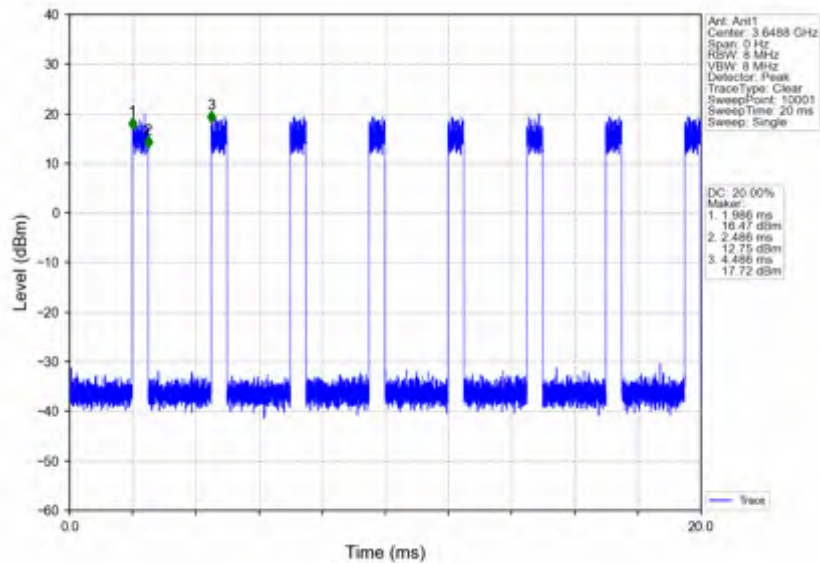
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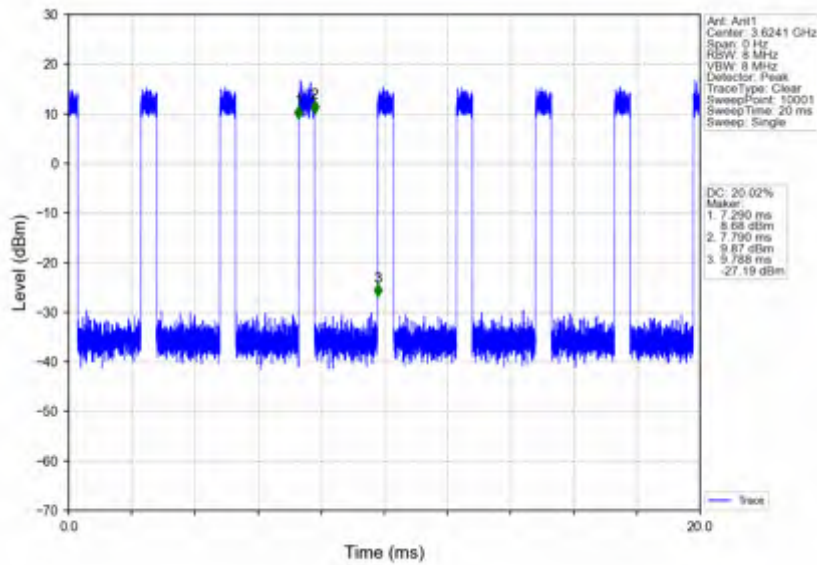
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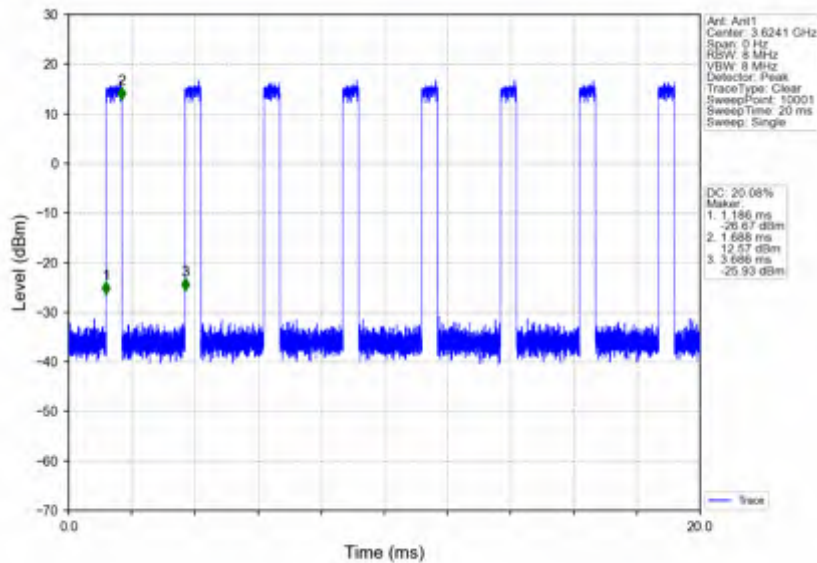
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n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3624.99MHz_Outer_Full



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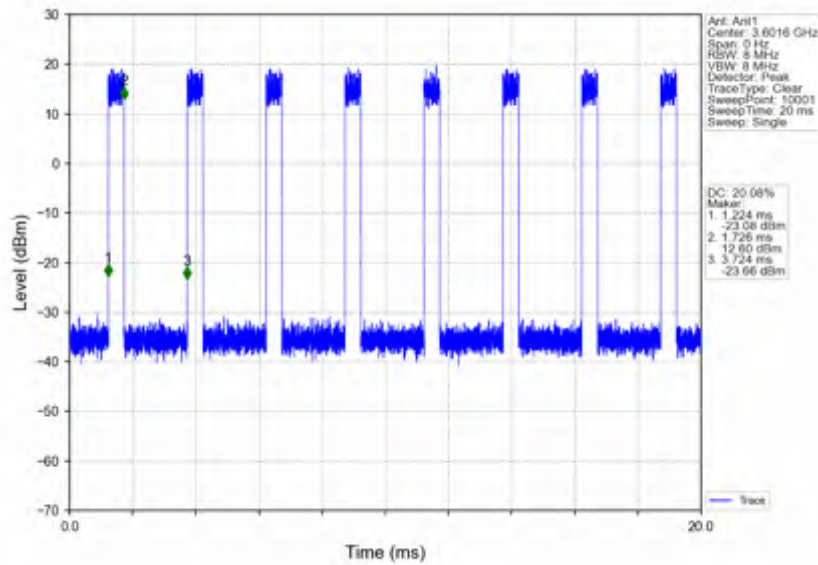
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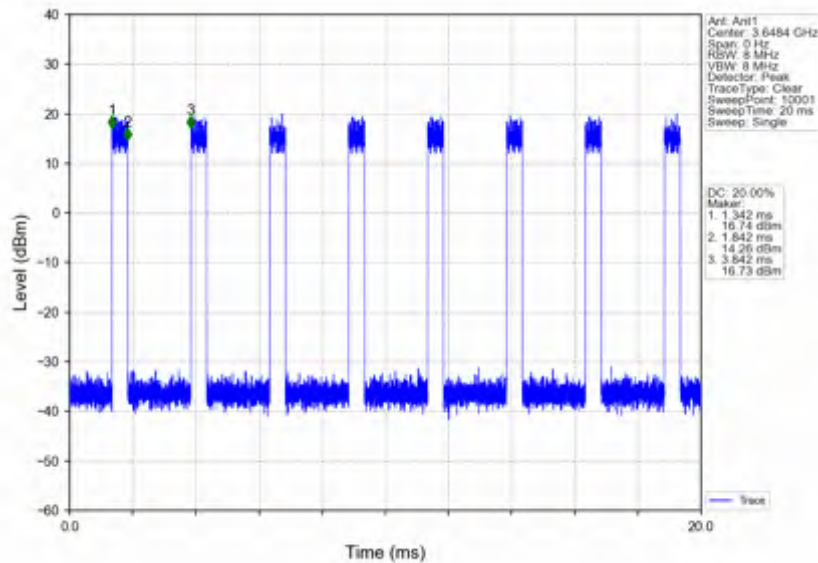
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n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM QPSK_3624.99MHz_Inner_1RB_Left



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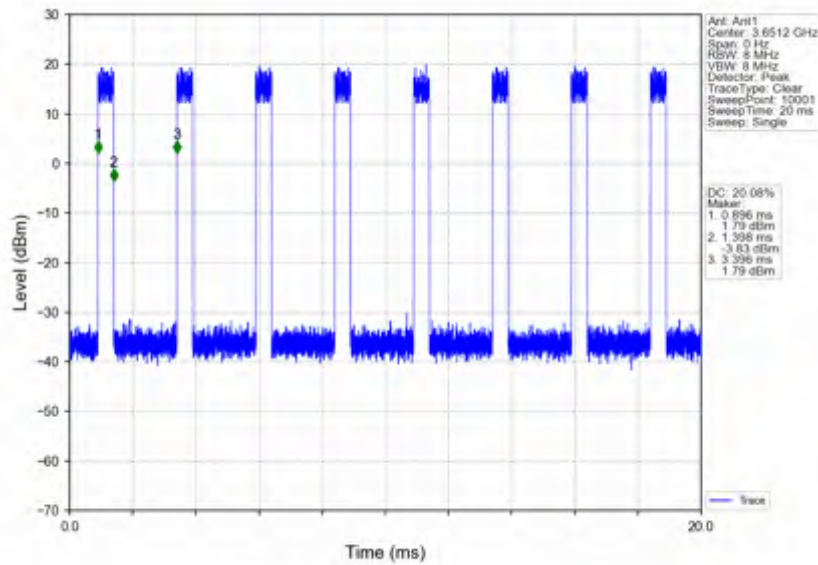
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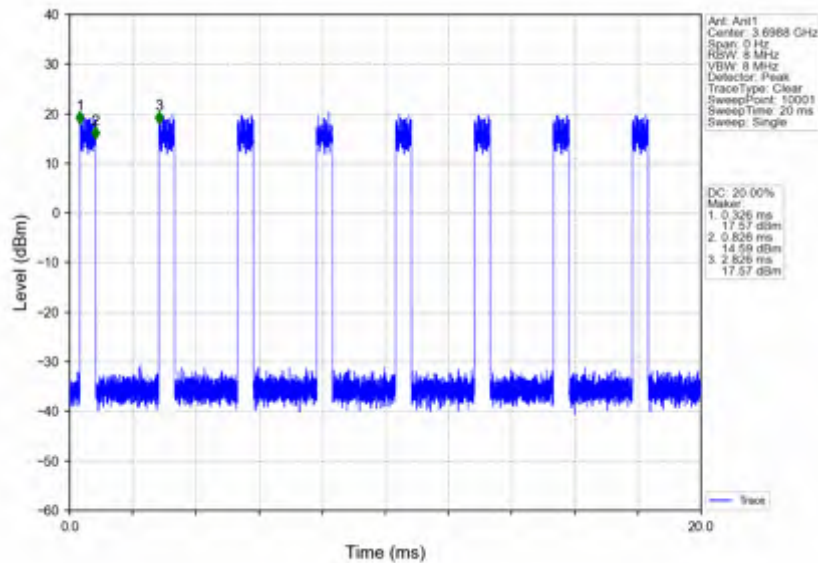
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n78d_30kHz_SISO_NTV_50MHz_DFT-s-OFDM_QPSK_3675MHz_Edge_1RB_Left



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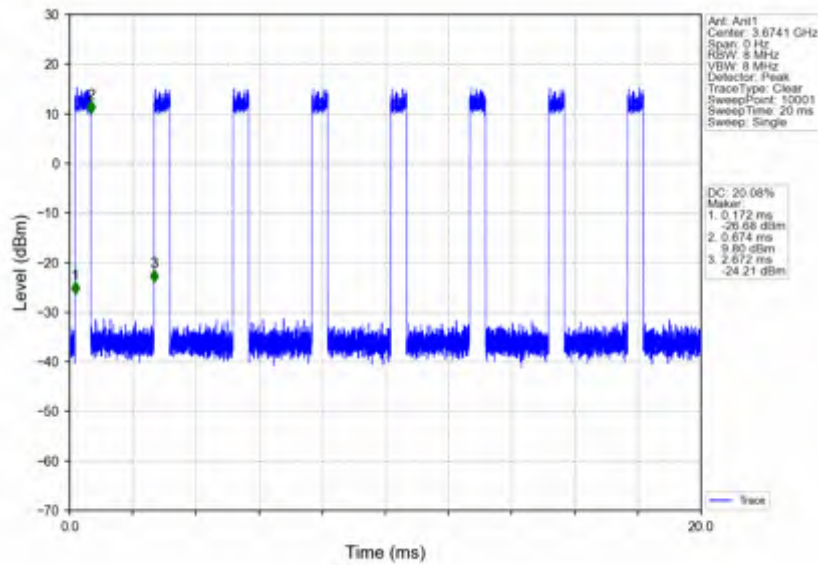


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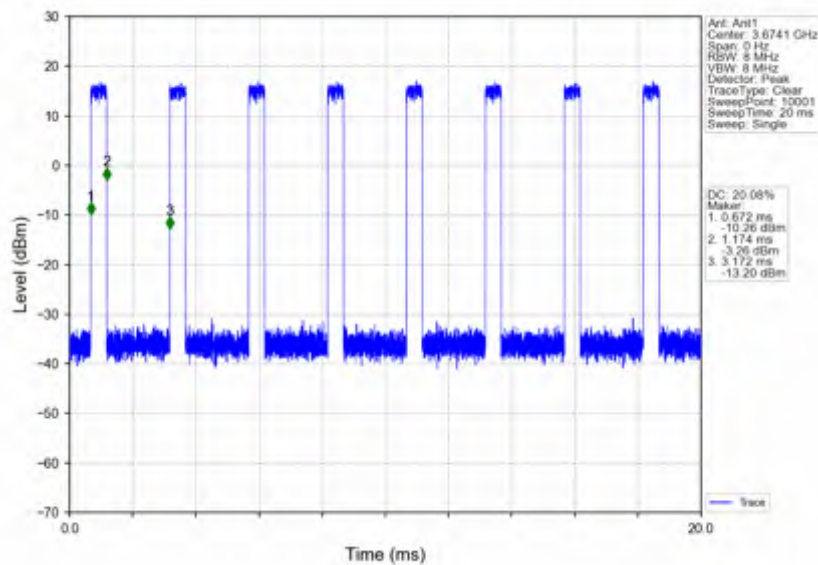
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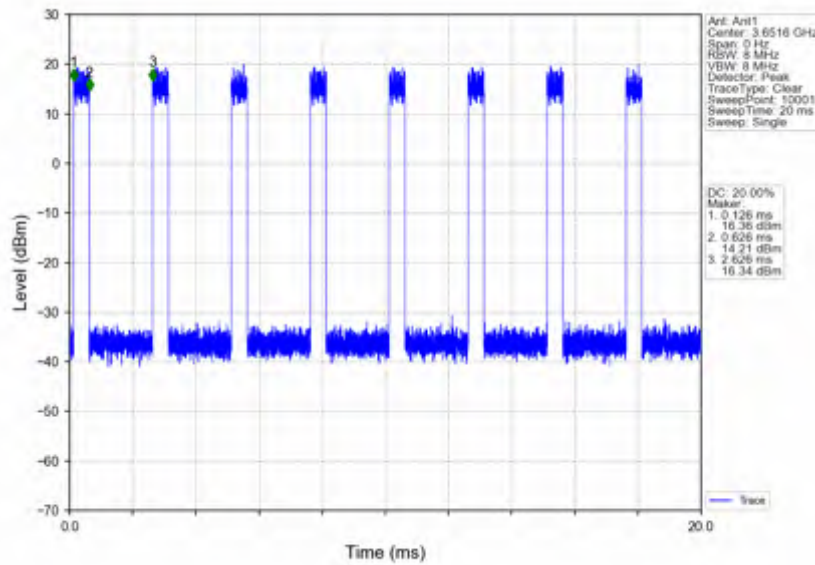
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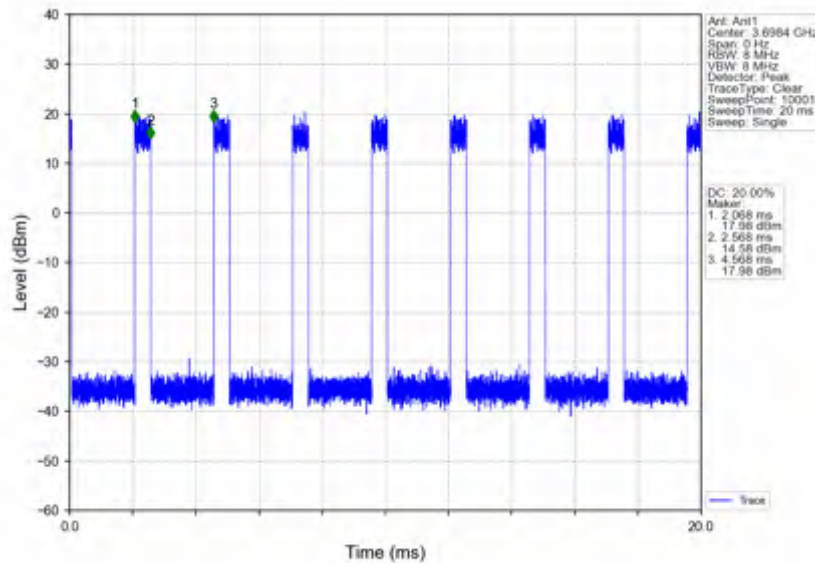
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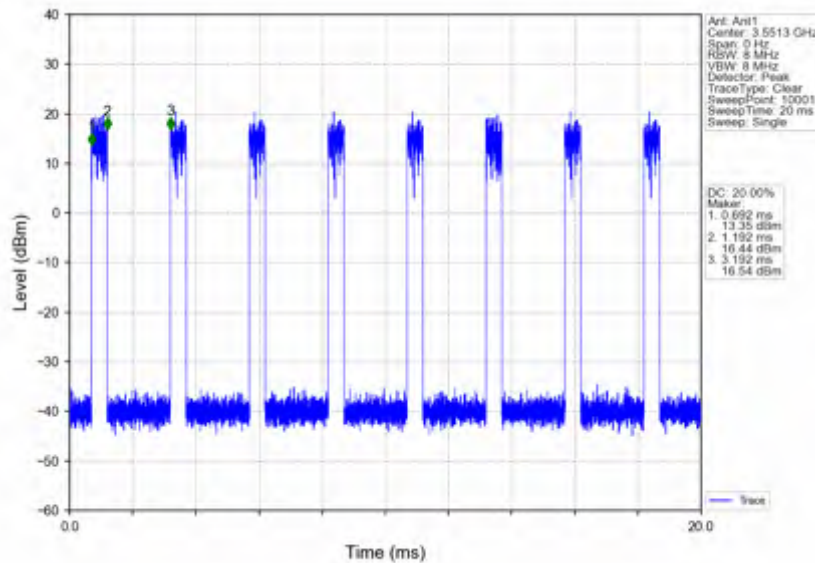
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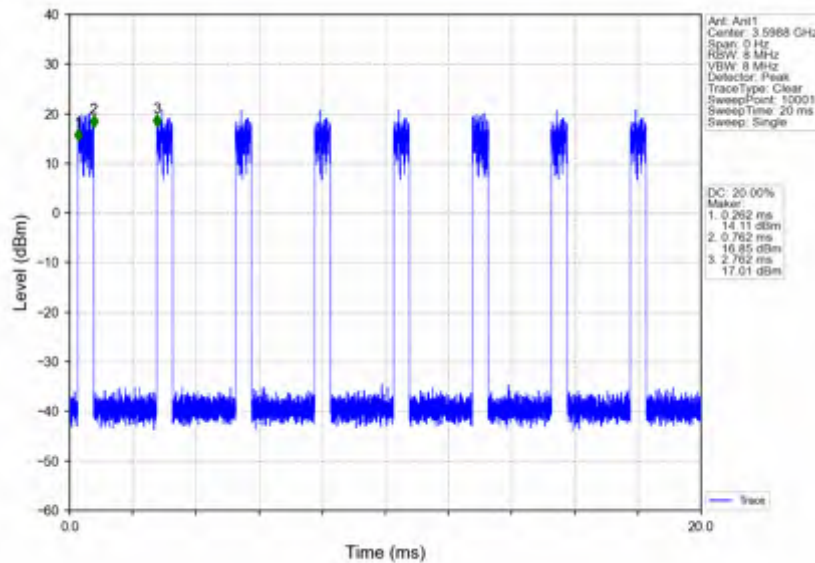
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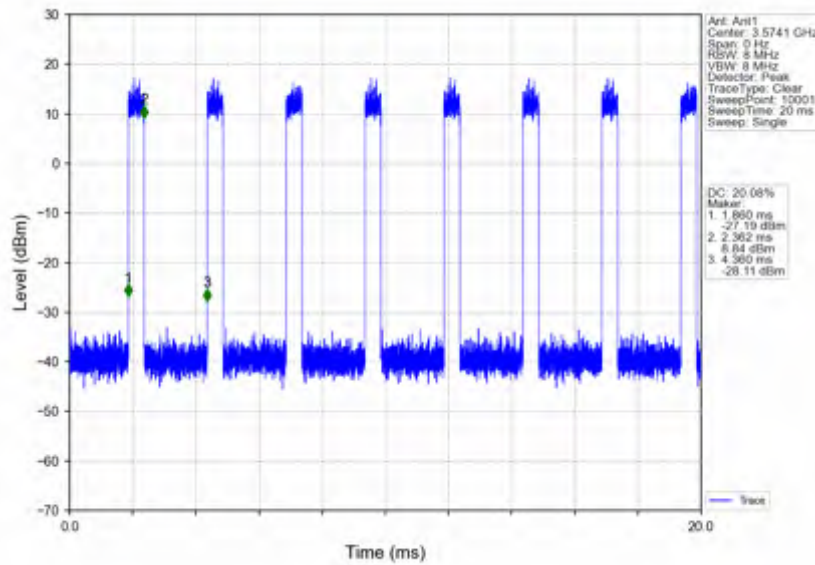


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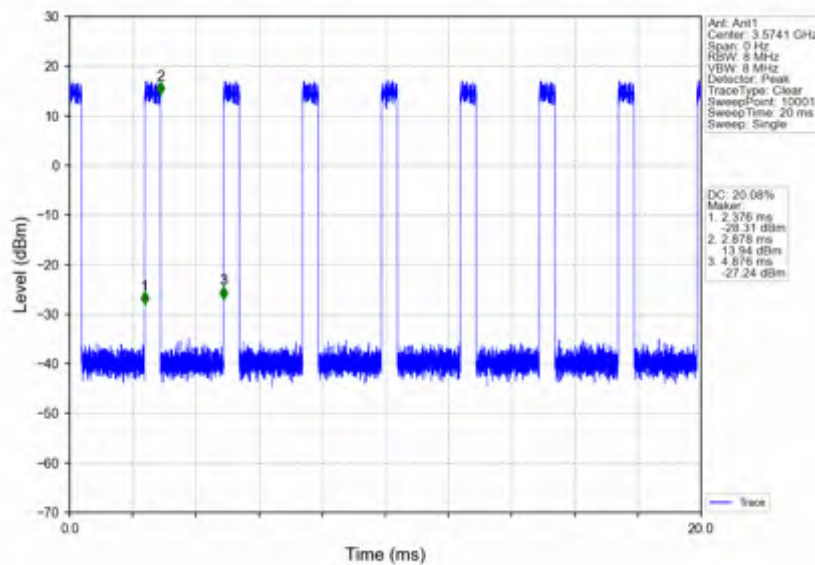
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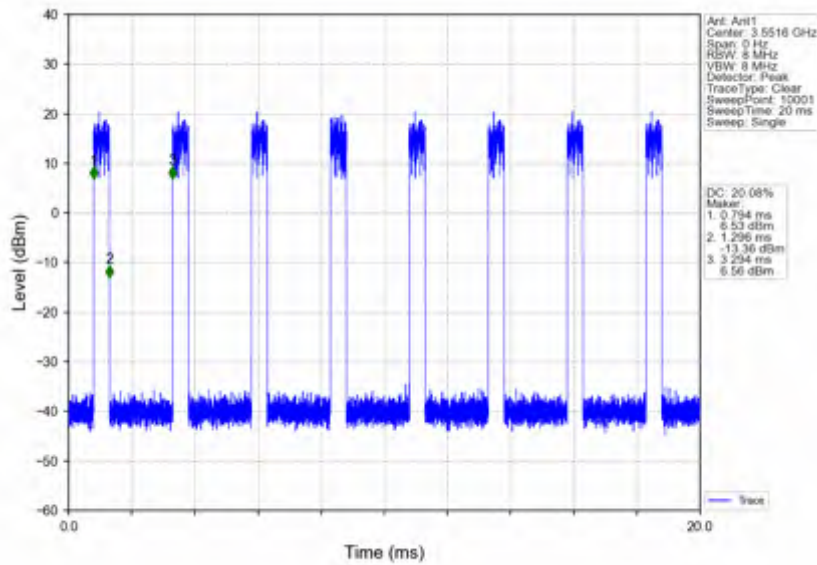
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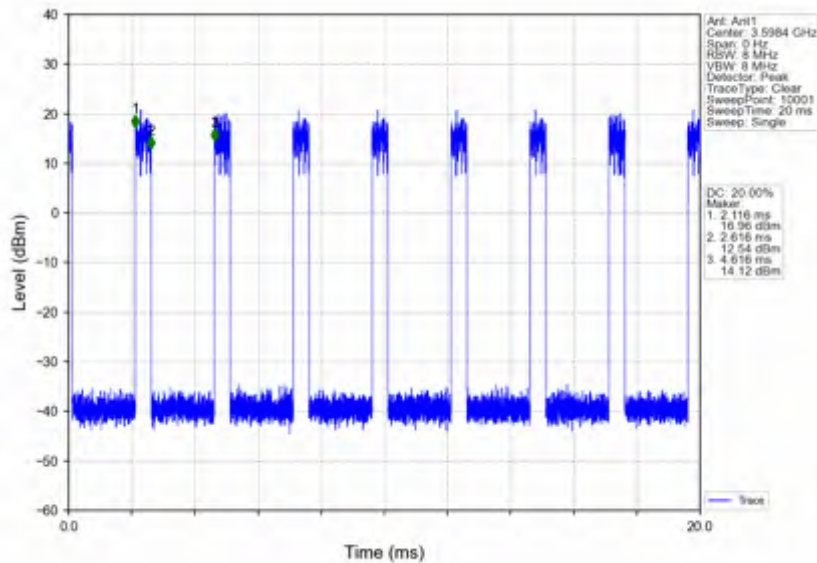
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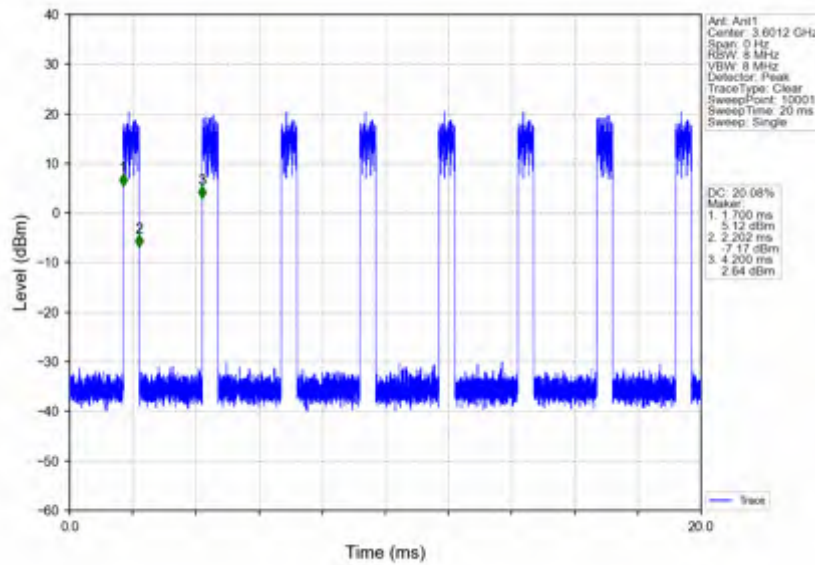


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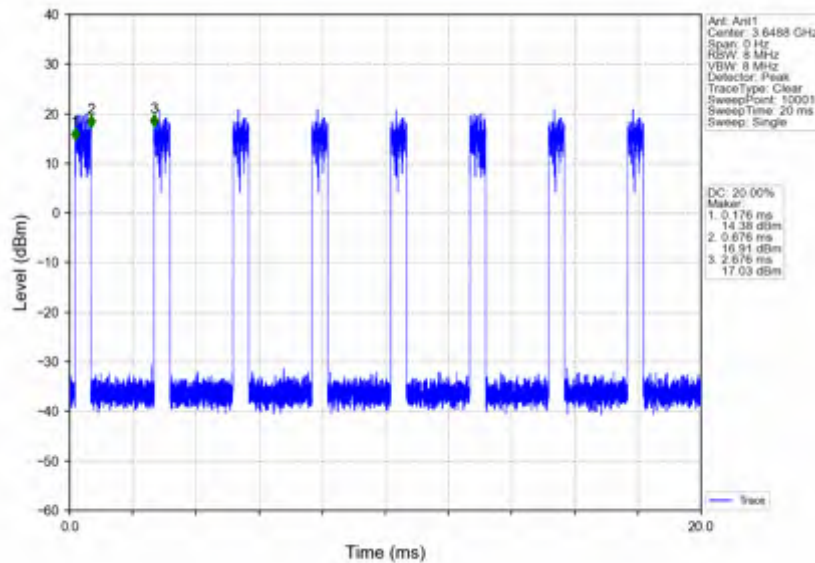
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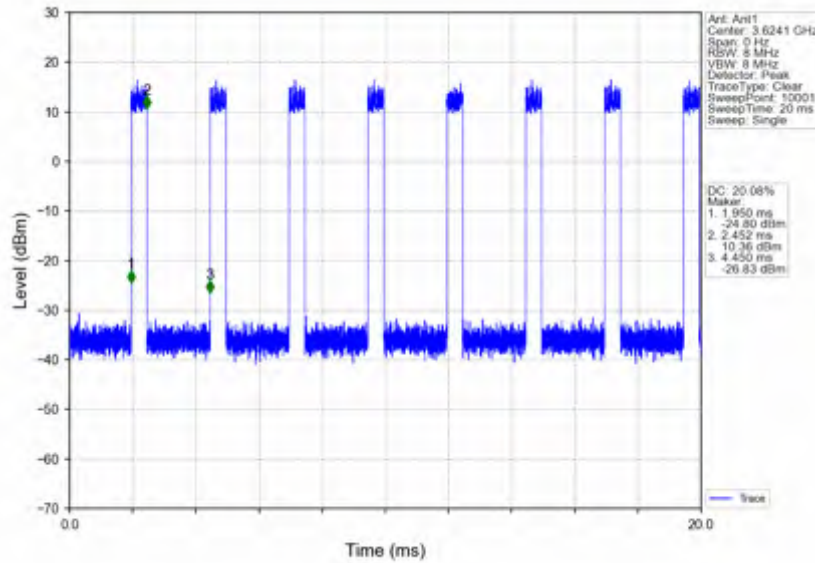


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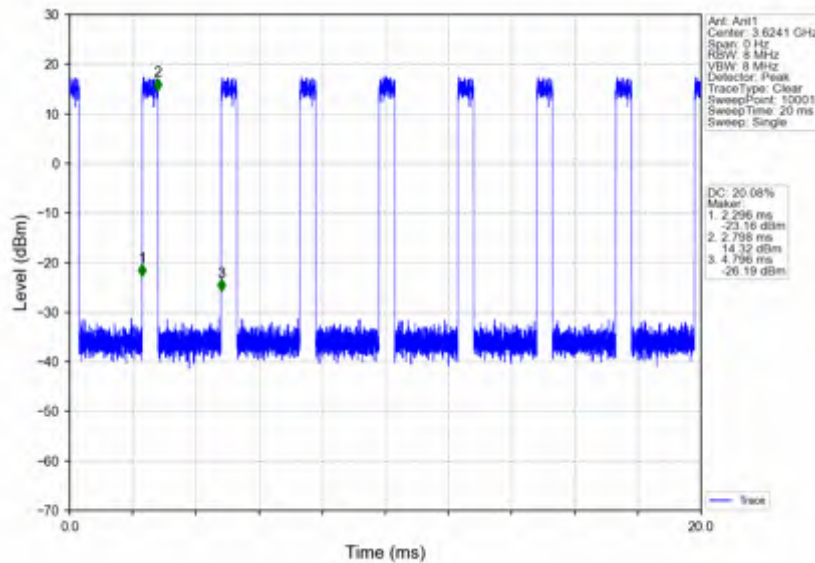
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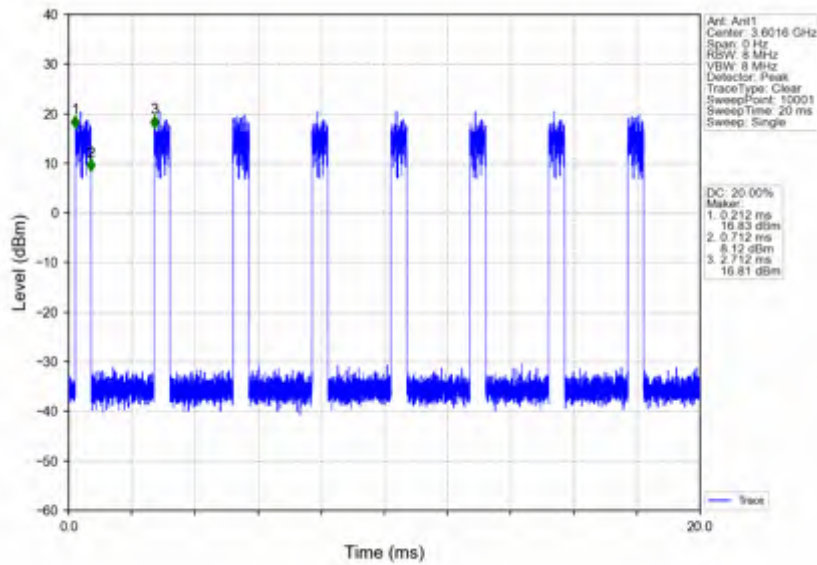
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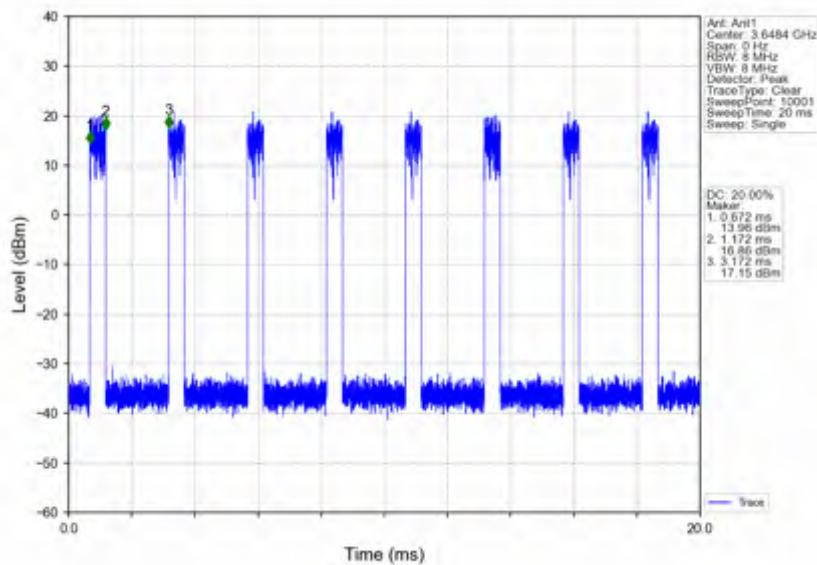
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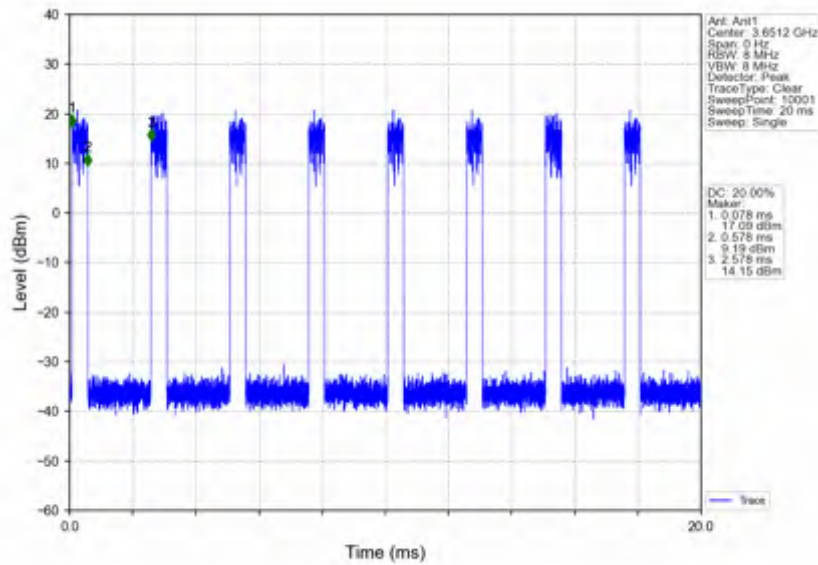


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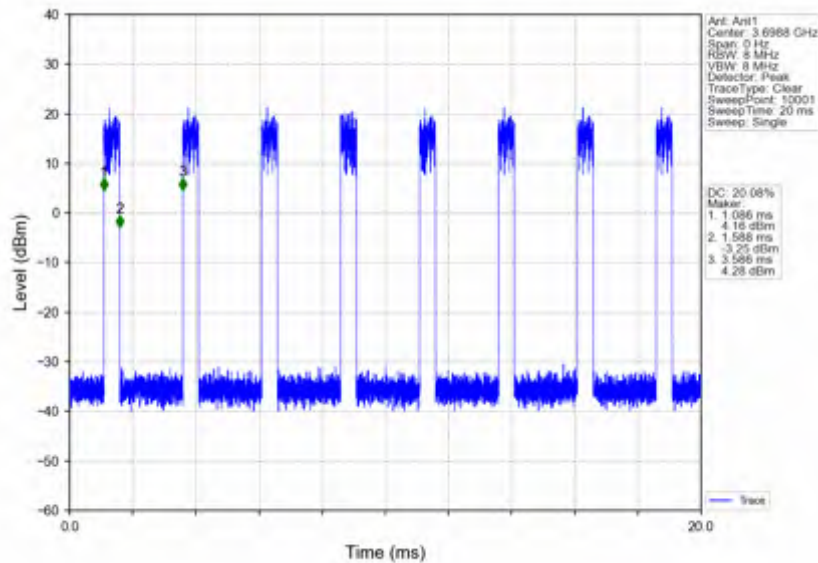
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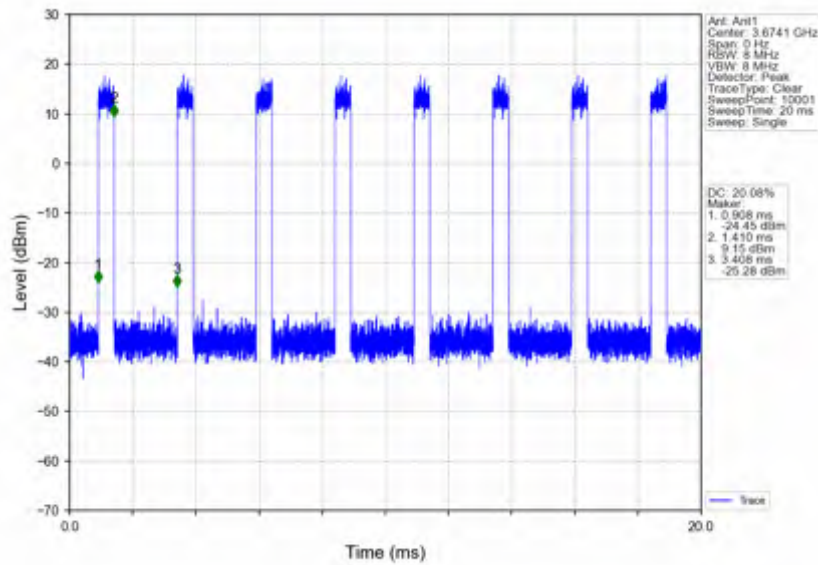


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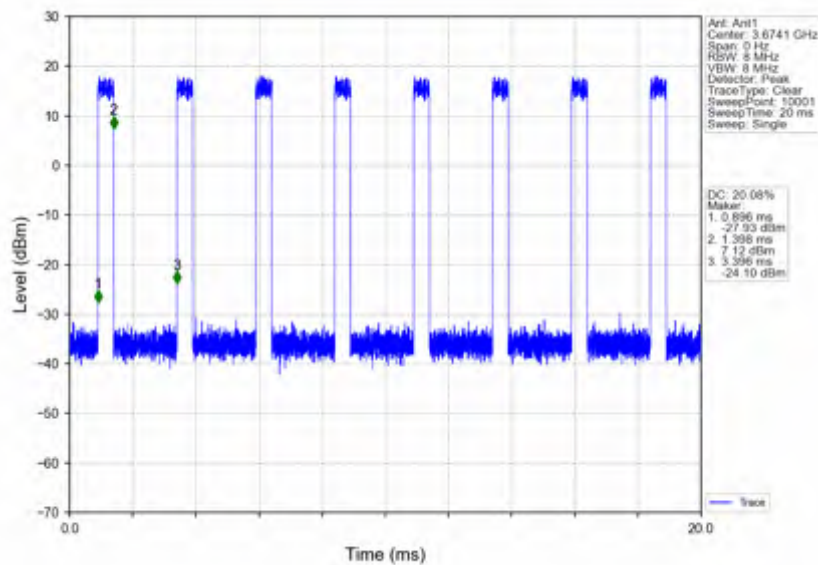
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n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_16_QAM_3675MHz_Outer_Full



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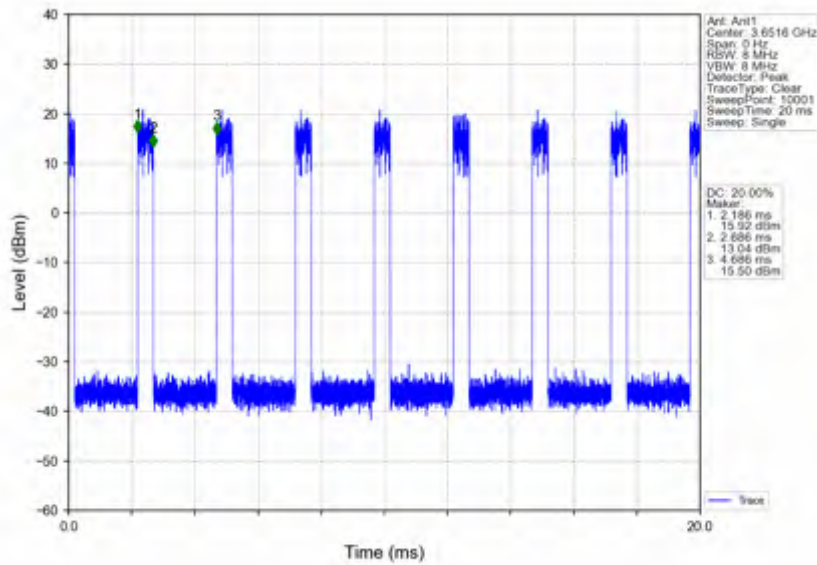
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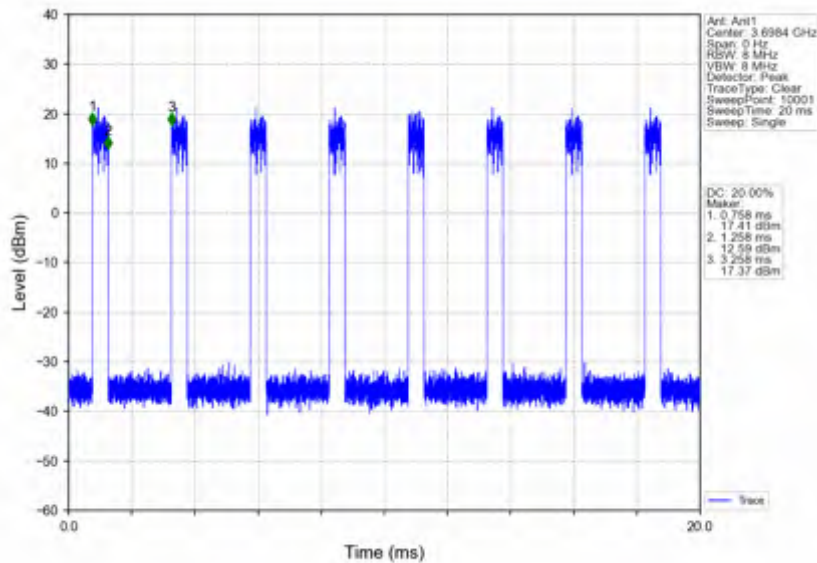
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n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 16 QAM_3675MHz_Inner_1RB_Left



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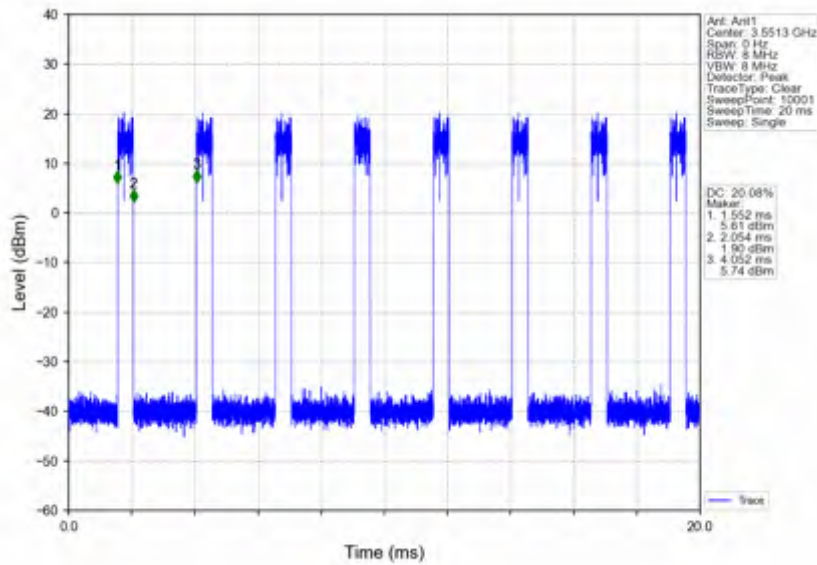


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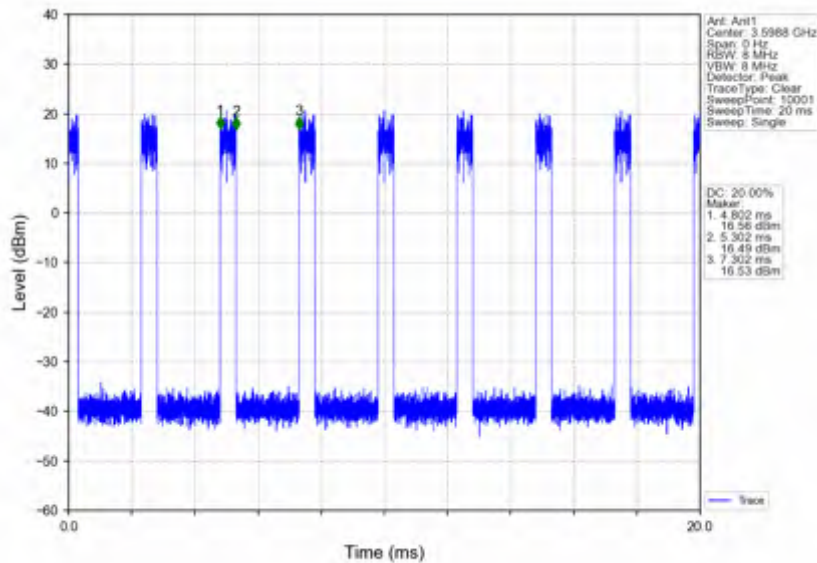
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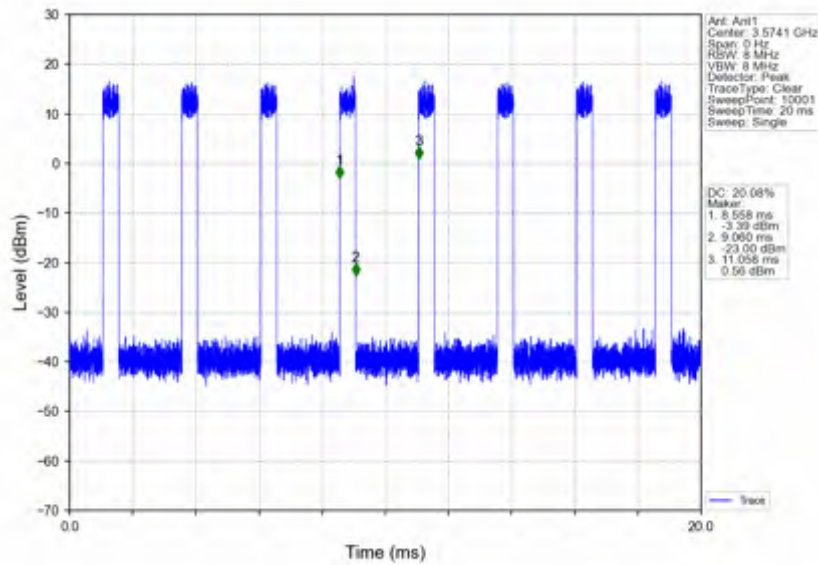


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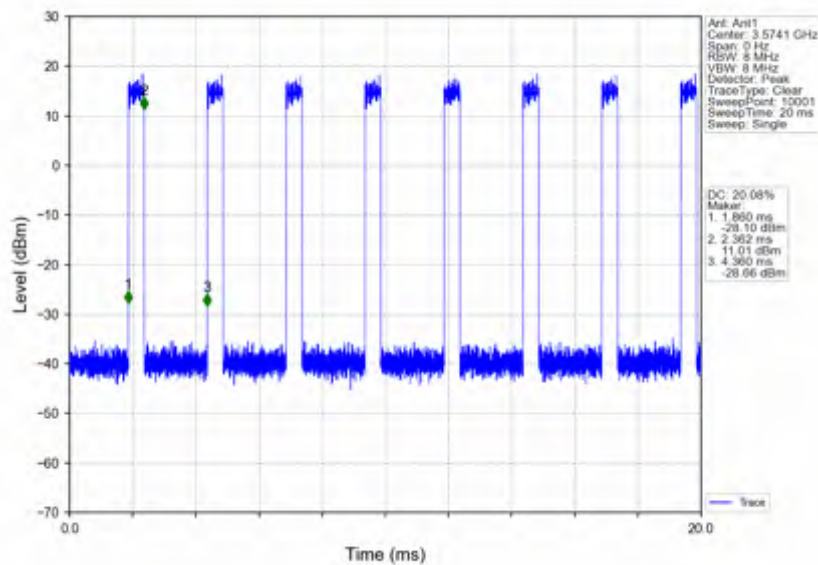
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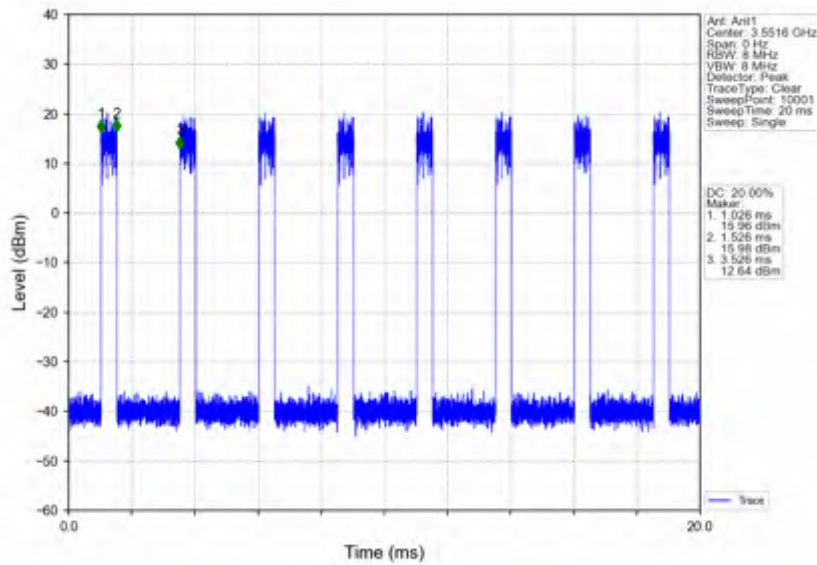
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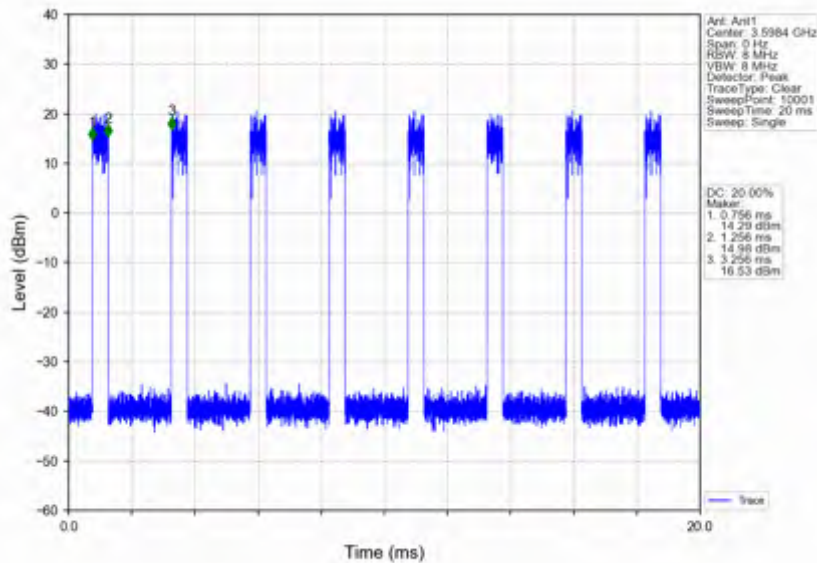
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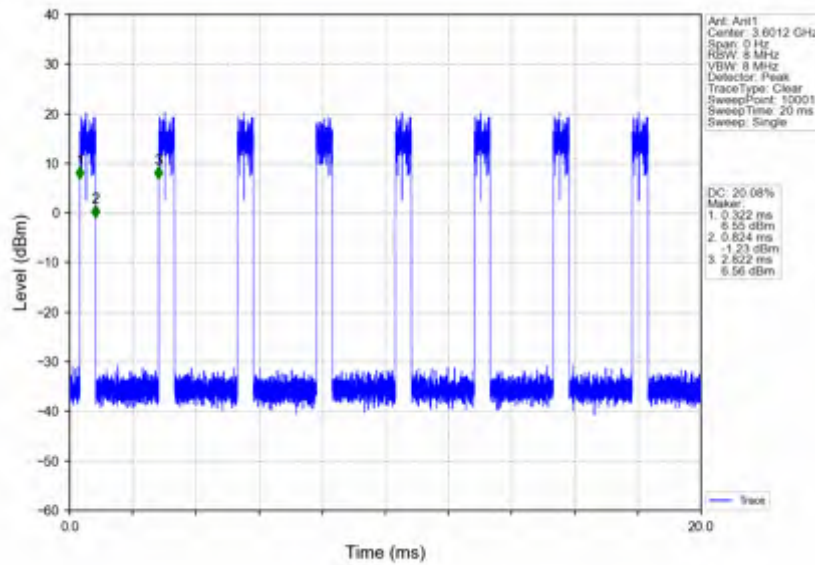
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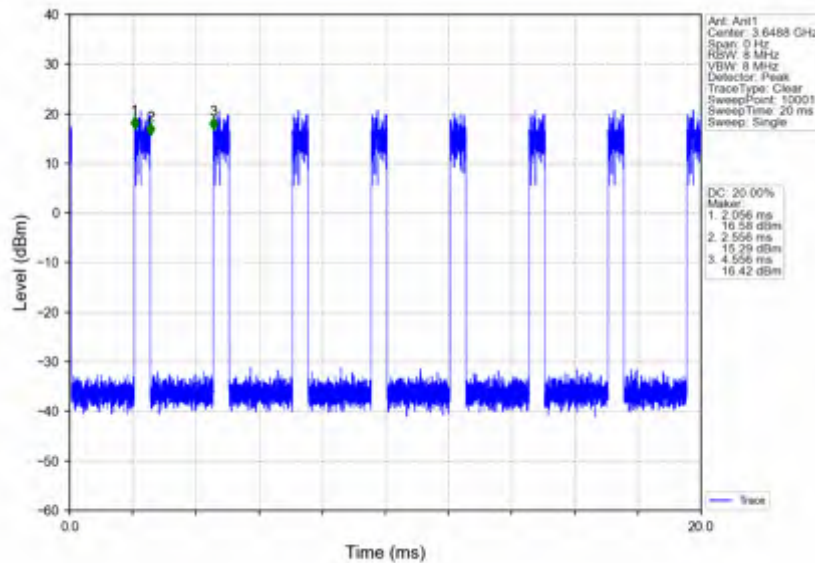
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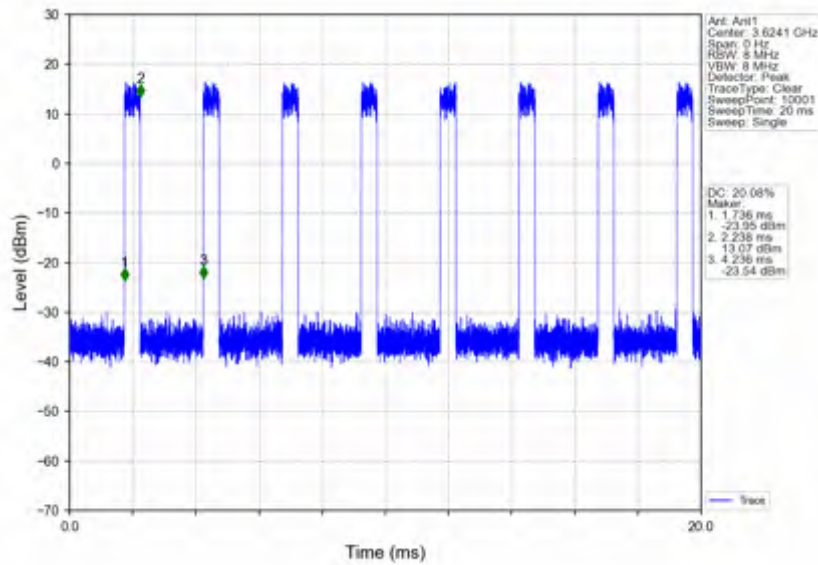
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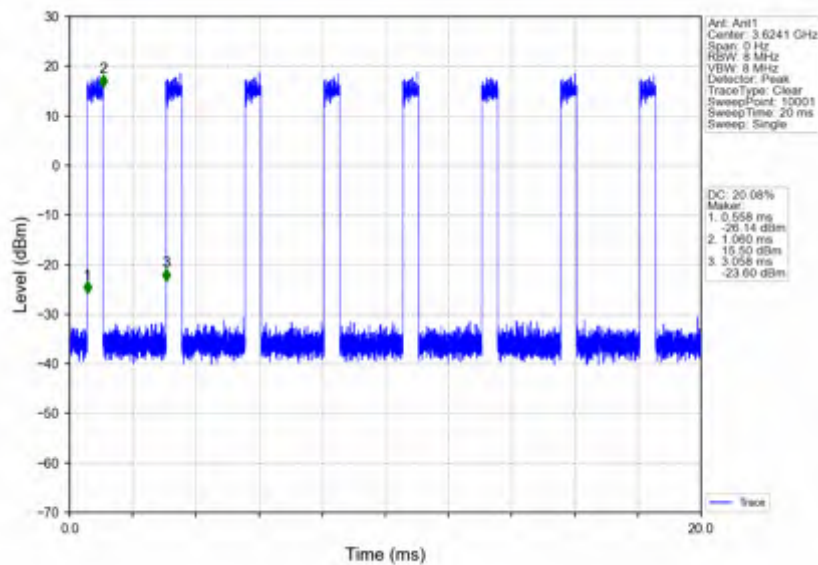
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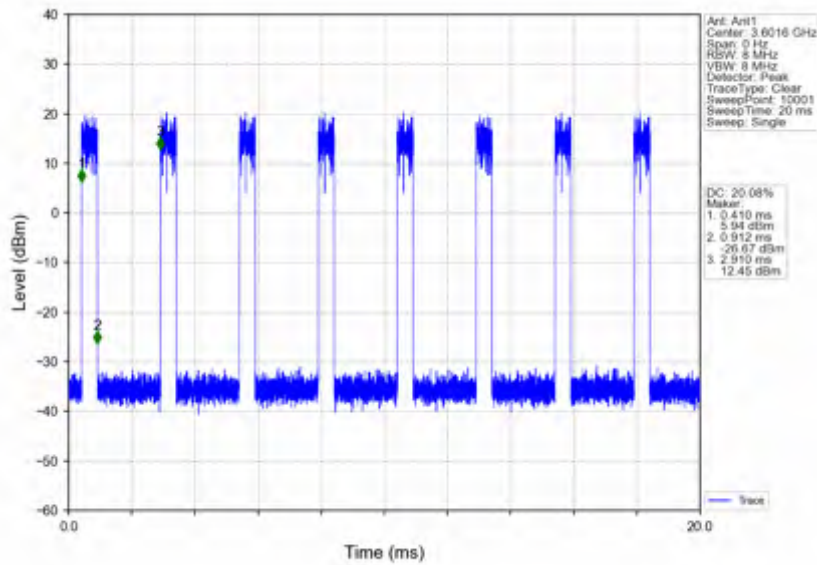
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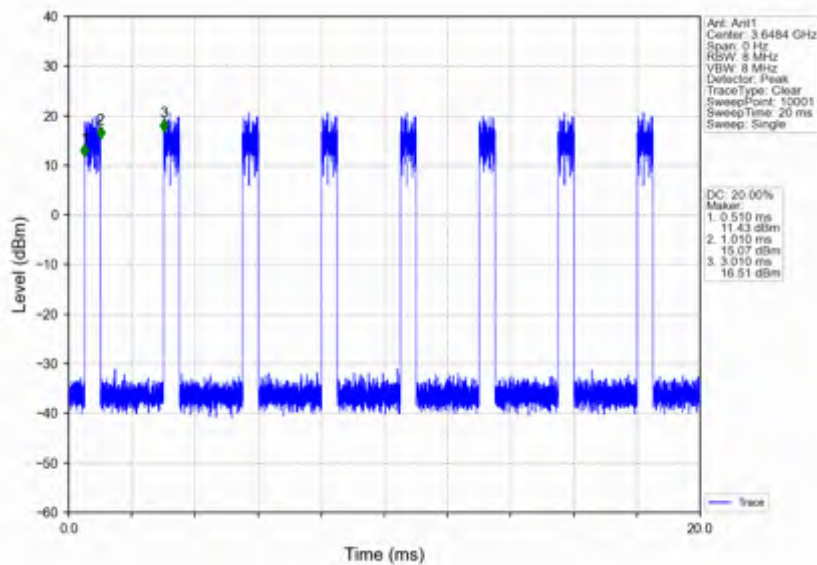
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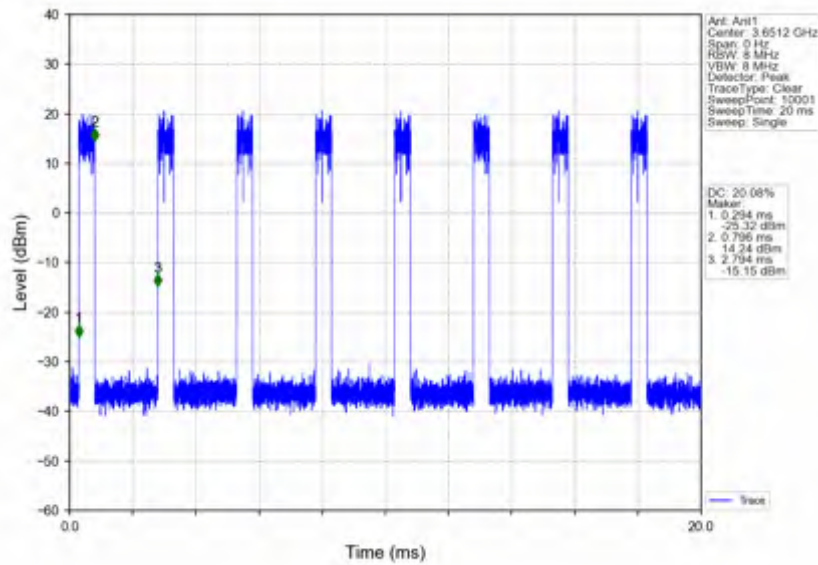


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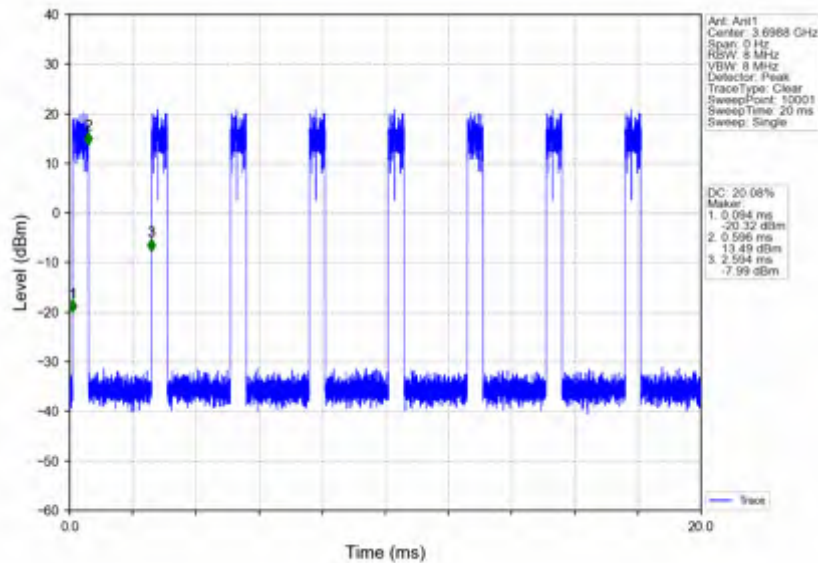
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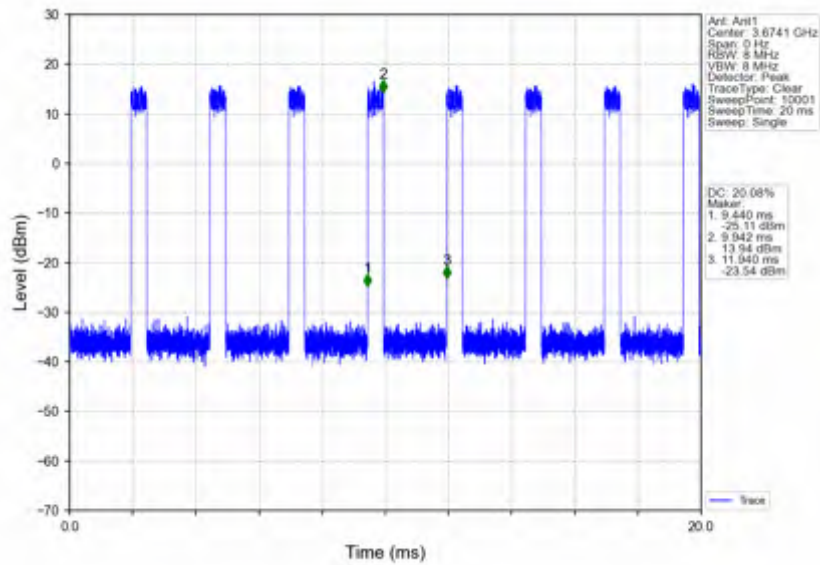


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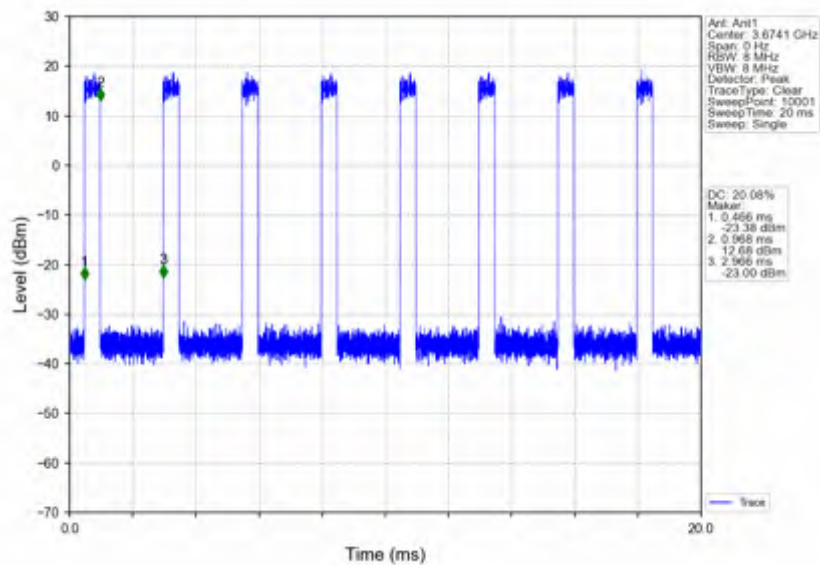
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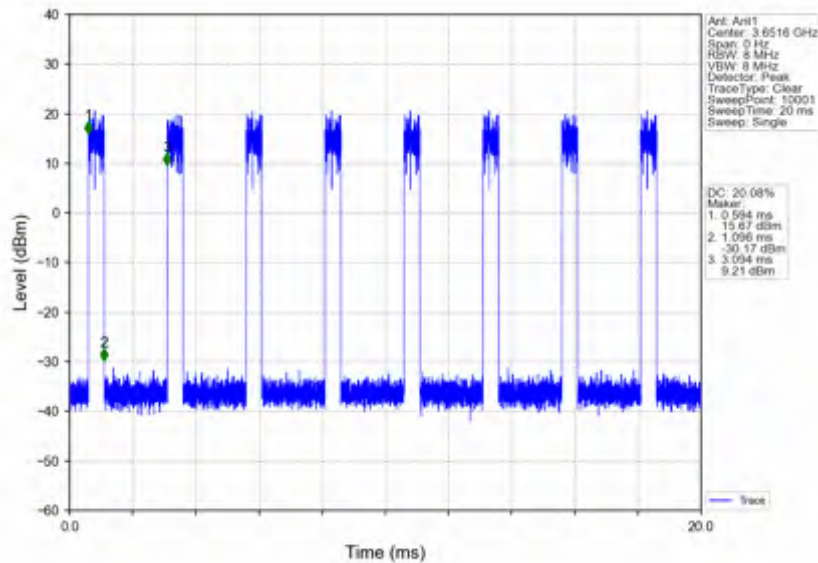
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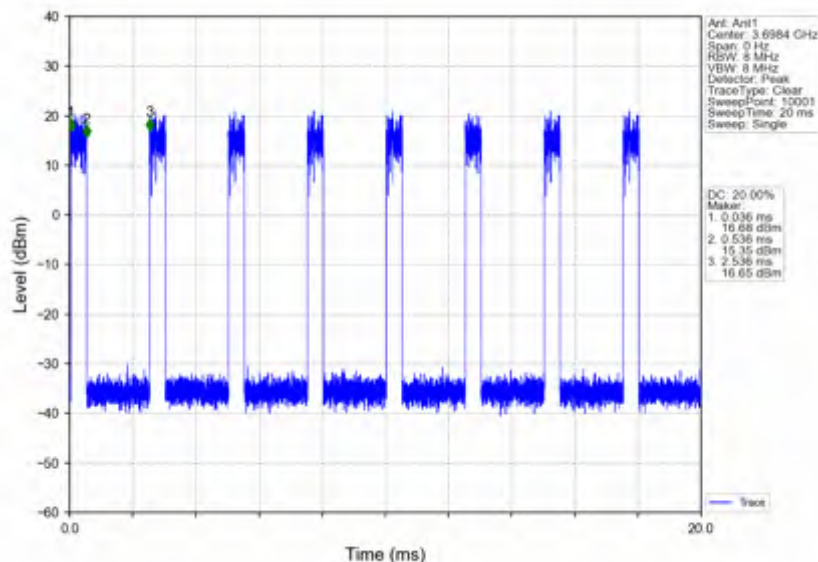
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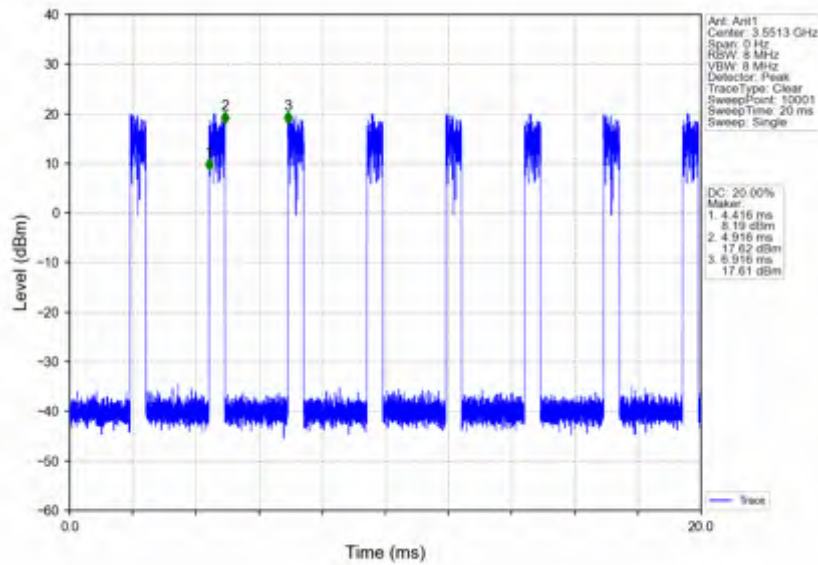


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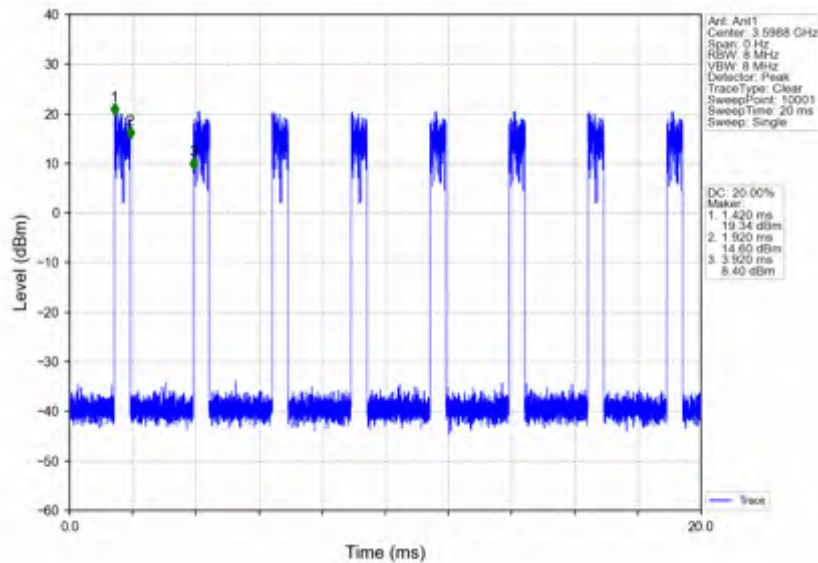
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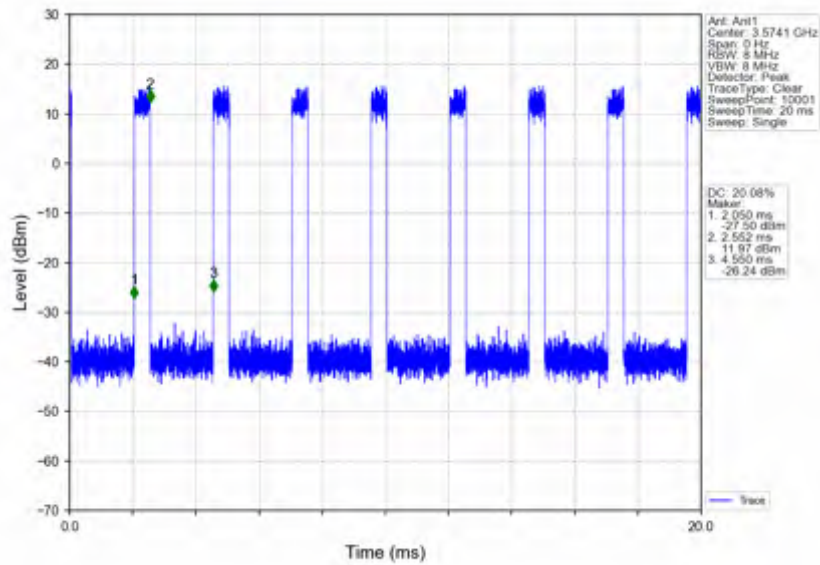


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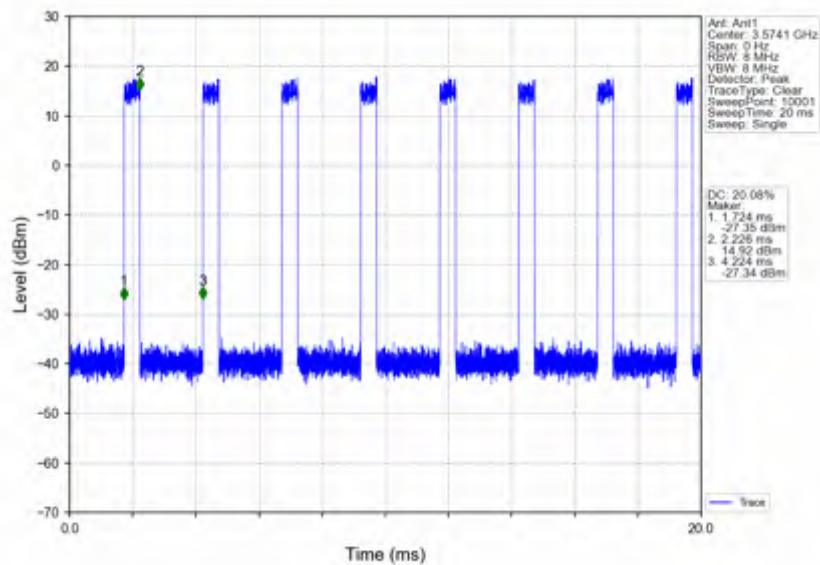
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n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_256_QAM_3575.01MHz_Outer_Full



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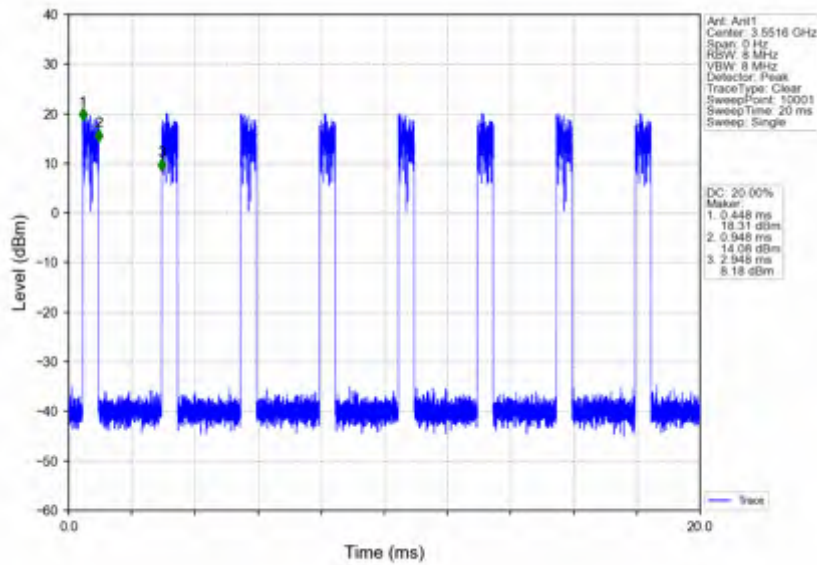


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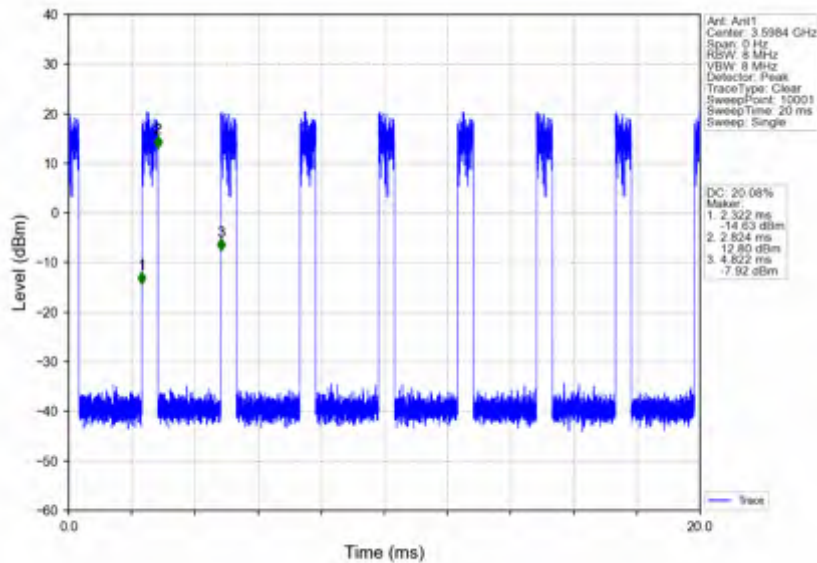
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n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 256 QAM_3575.01MHz_Inner_1RB_Left



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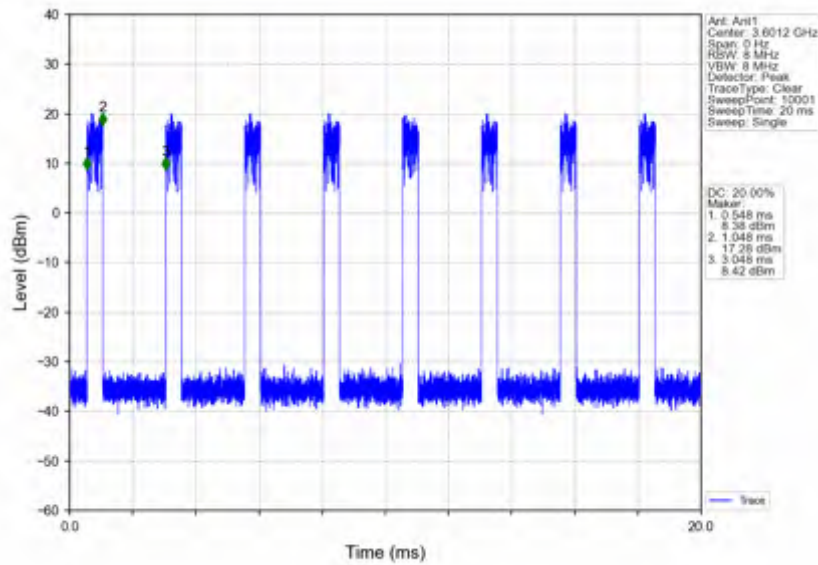
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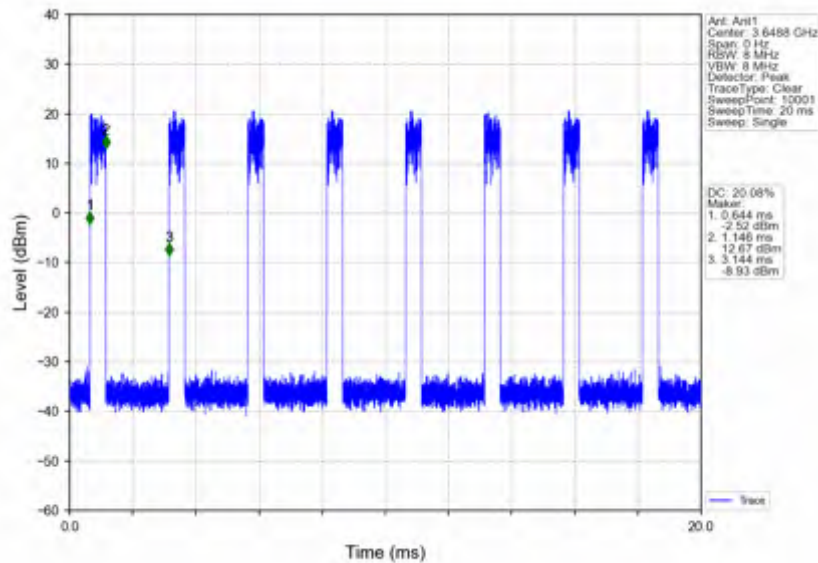
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n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 256 QAM_3624.99MHz_Edge_1RB_Left



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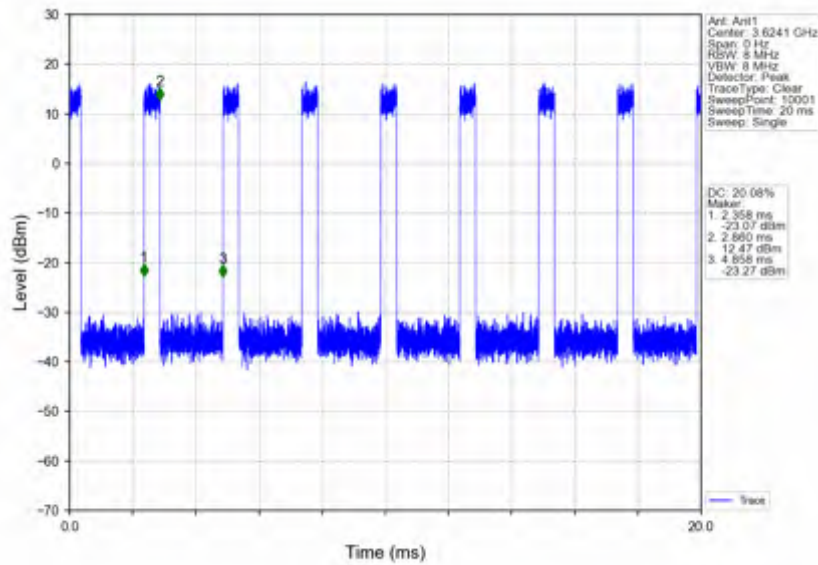


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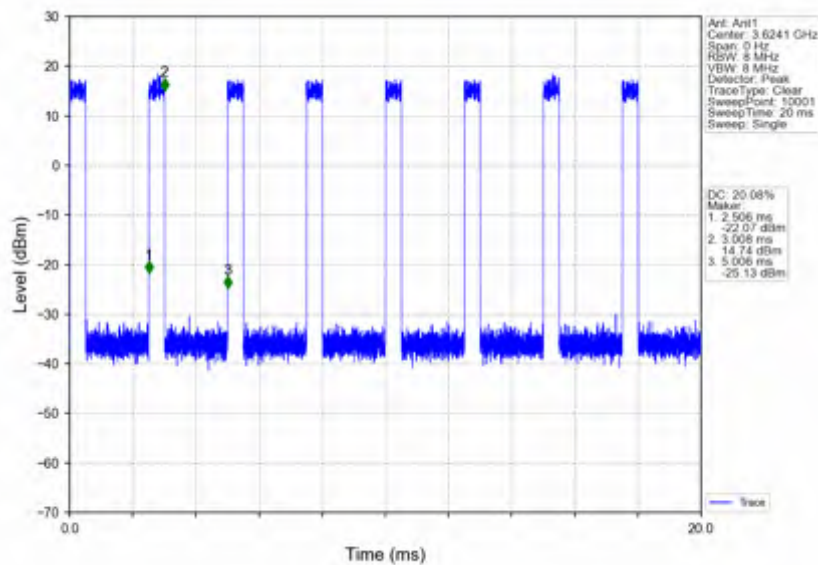
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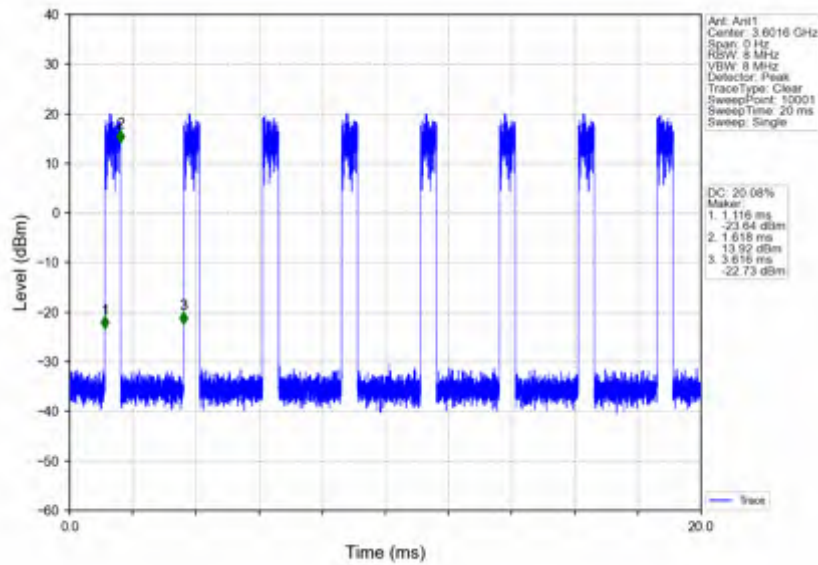


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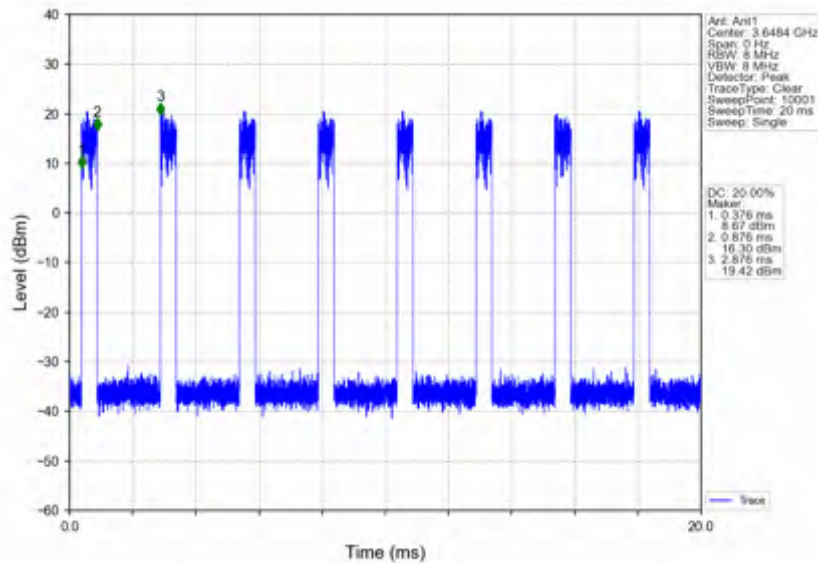
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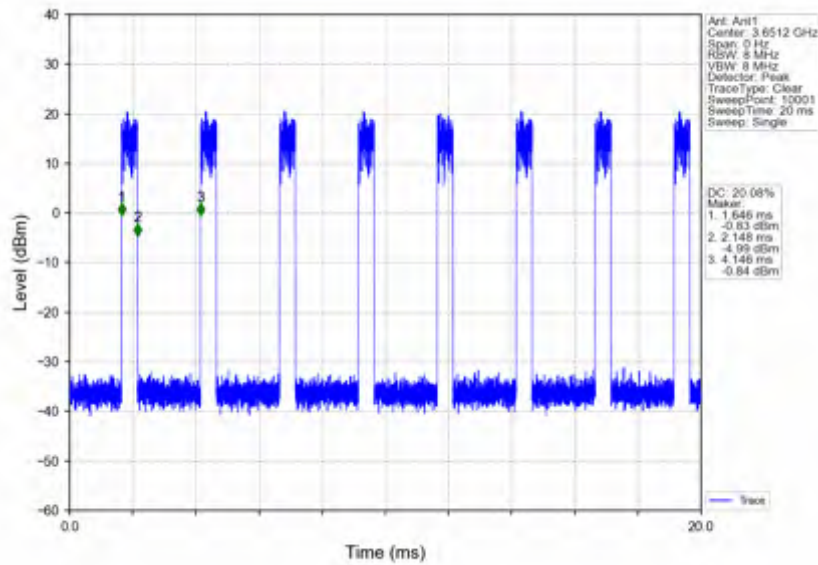
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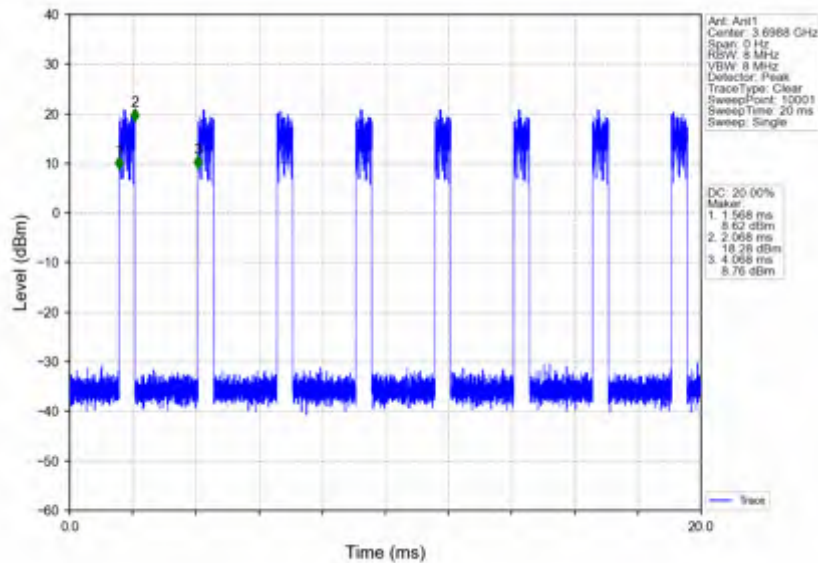
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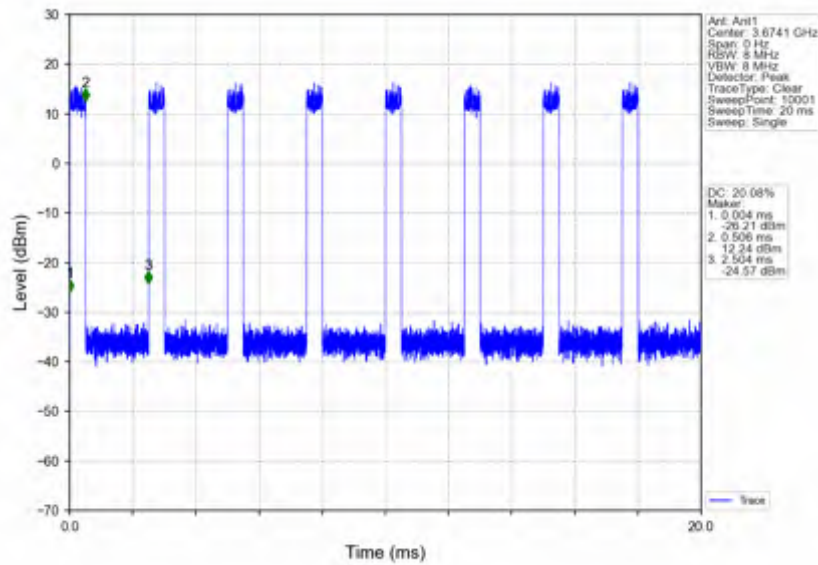


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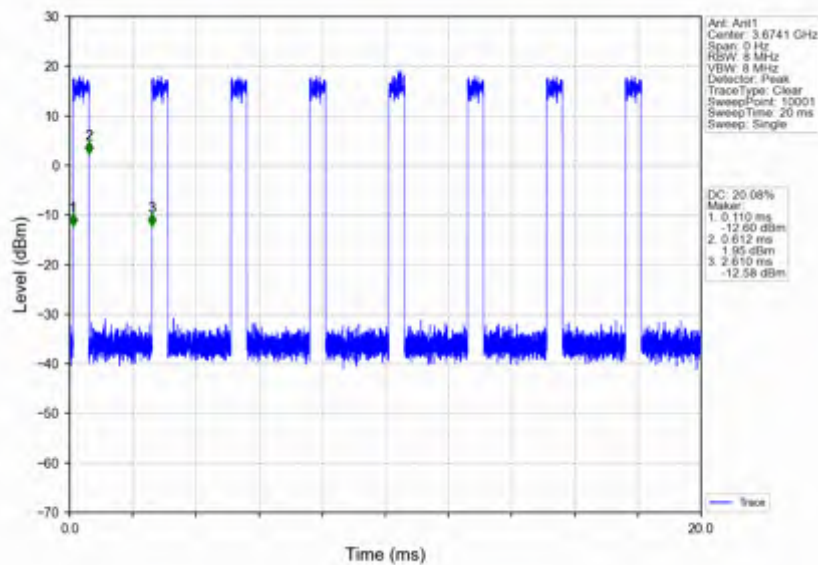
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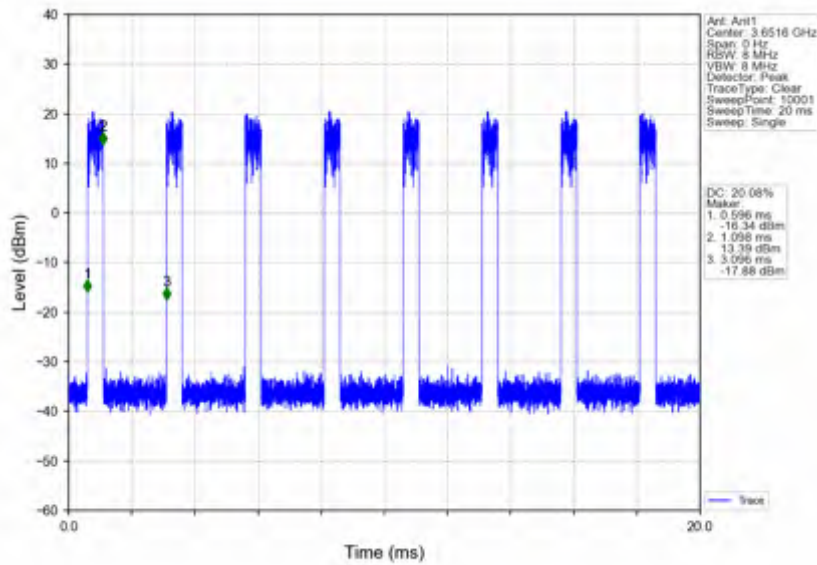
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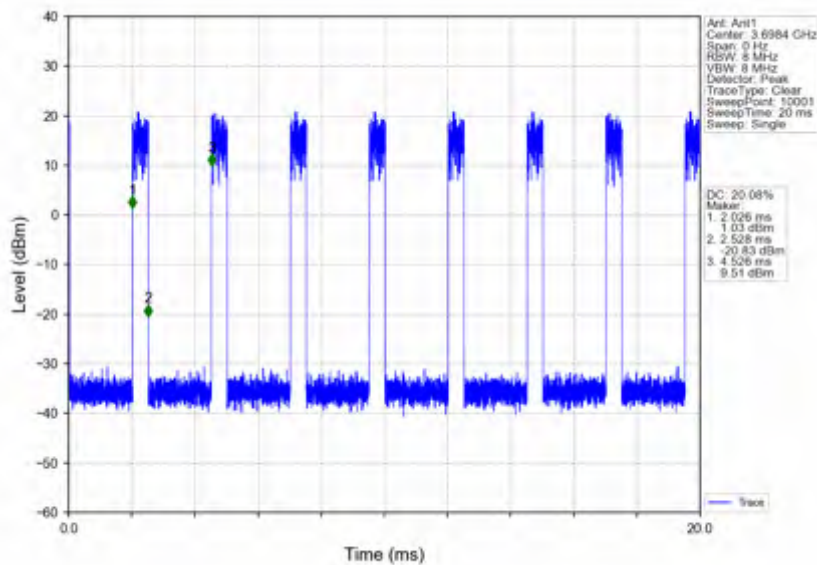
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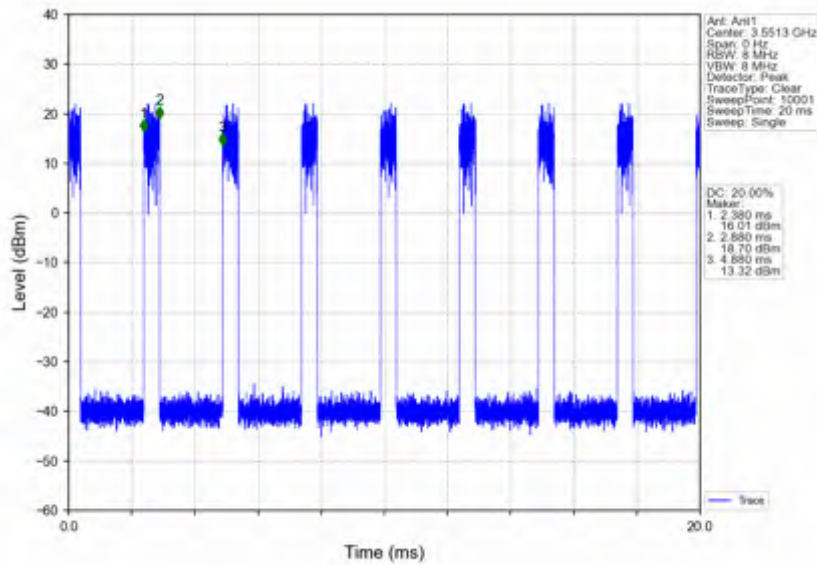
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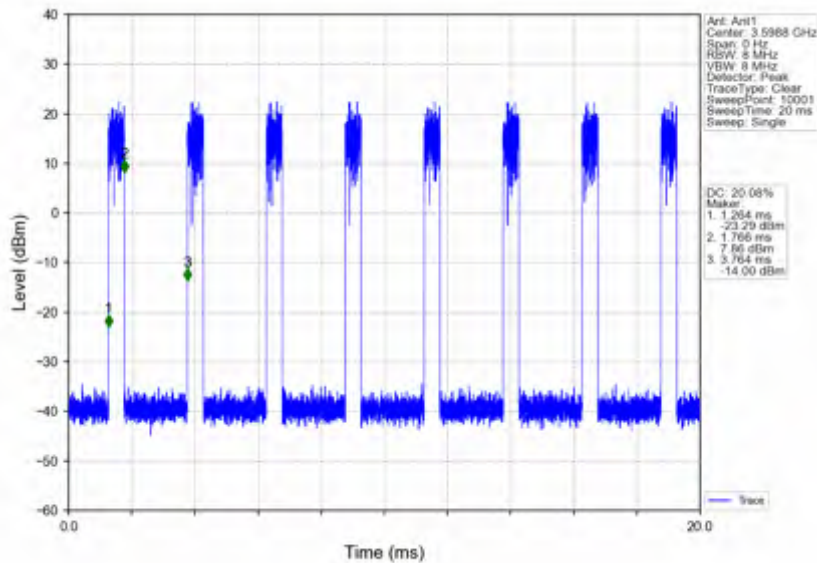
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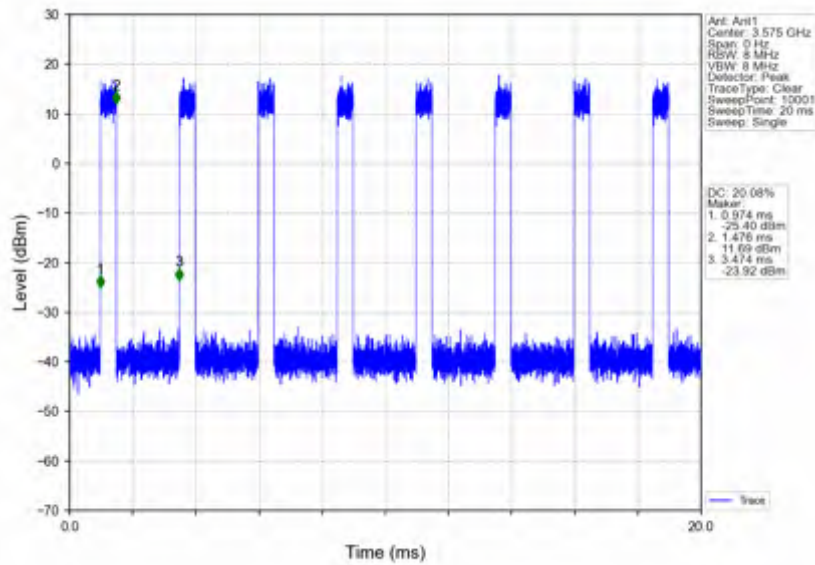


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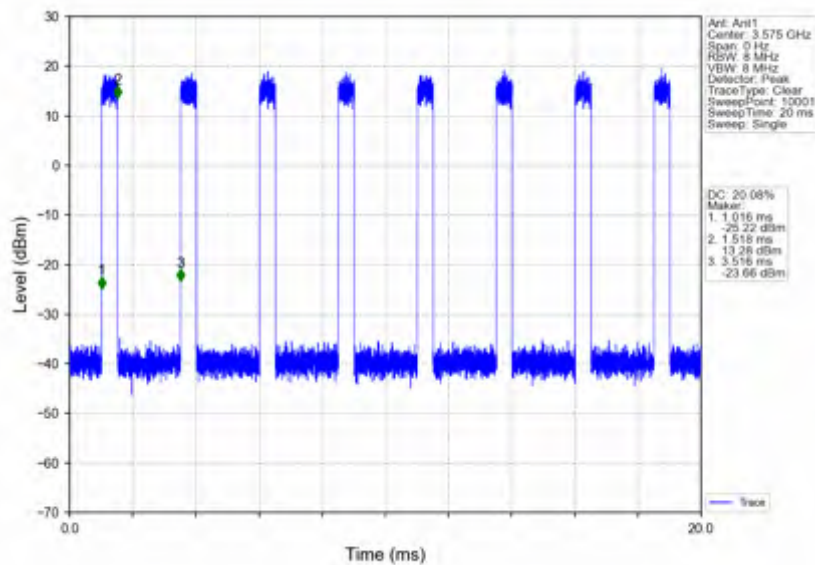
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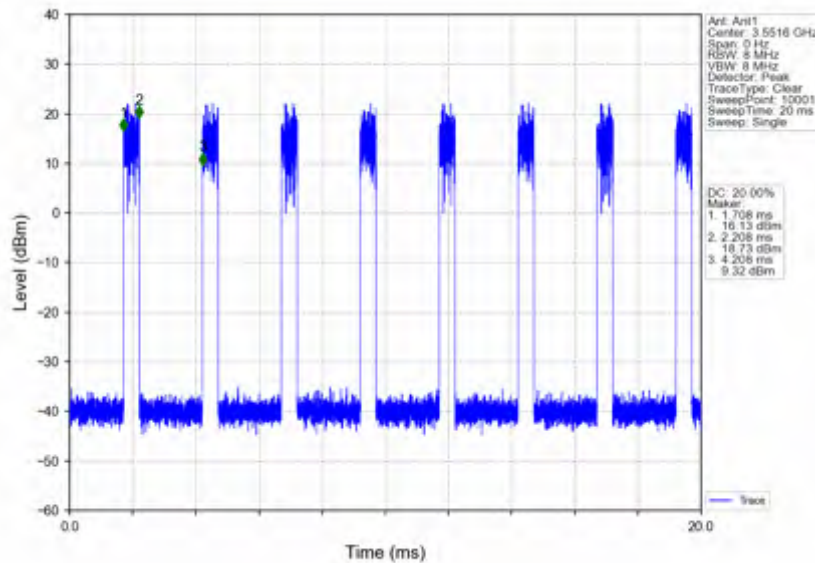
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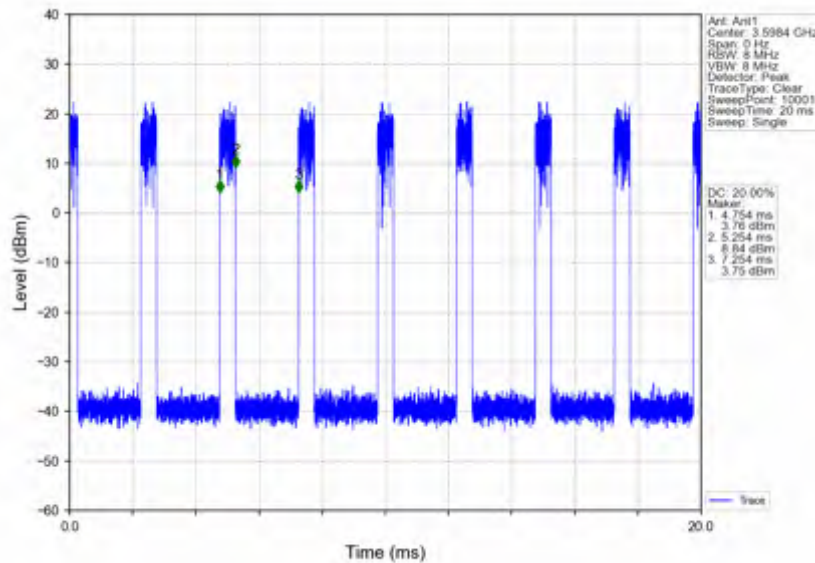
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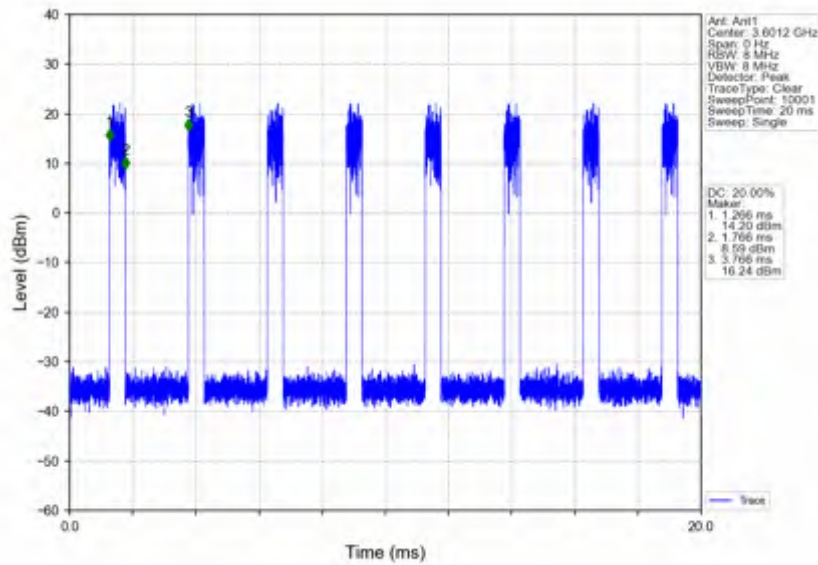


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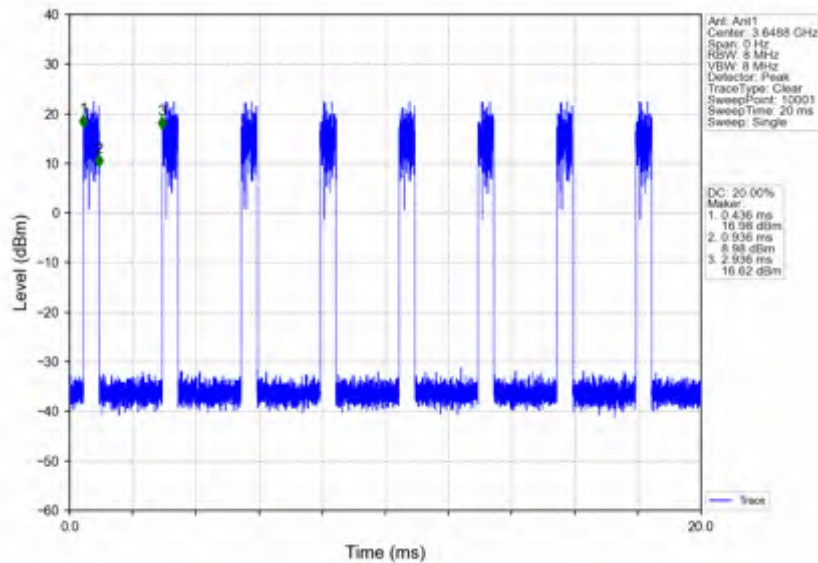
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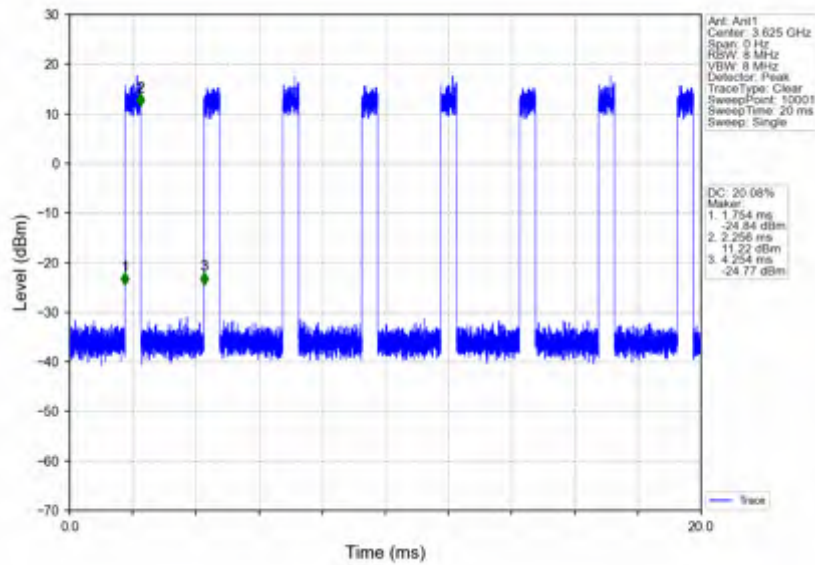


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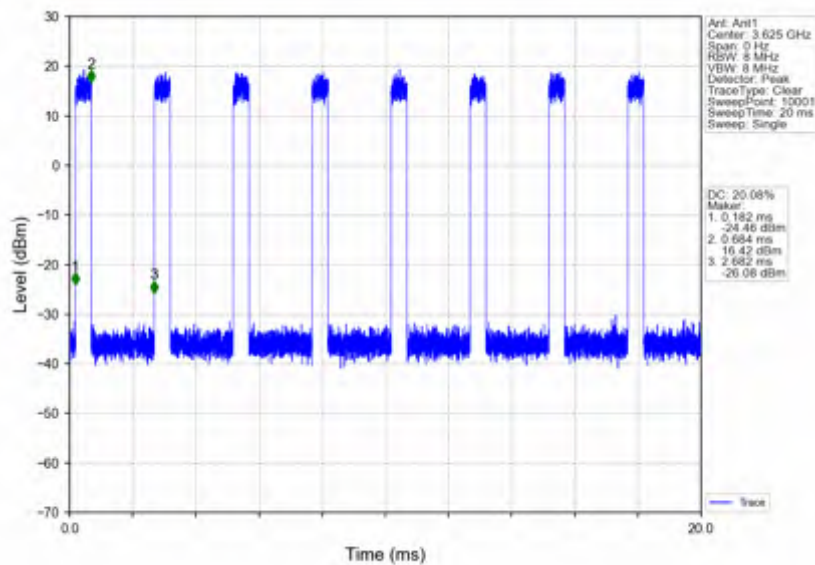
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n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full



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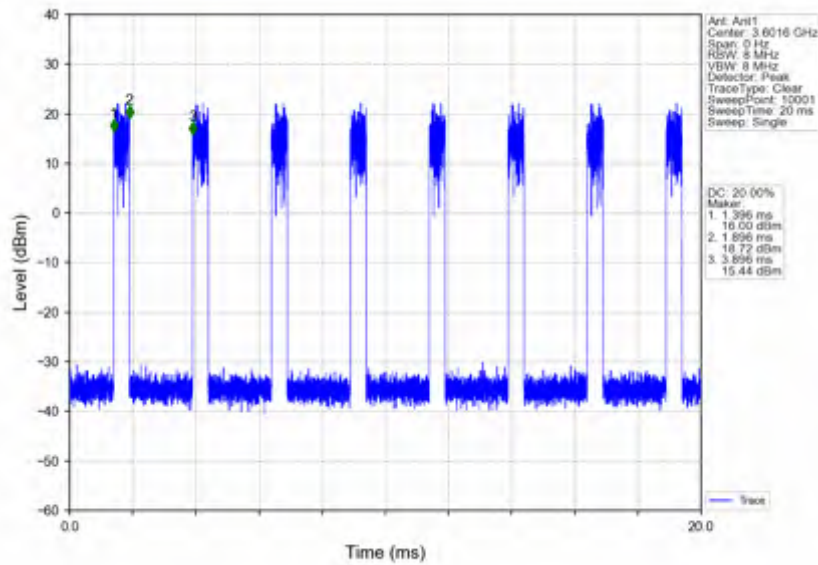
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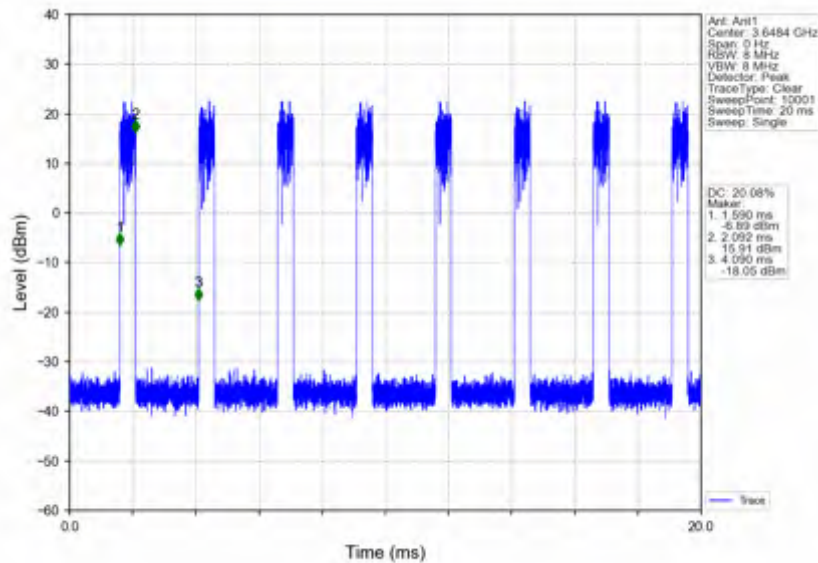
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n78d_30kHz_SISO_NTVV_50MHz_CP-OFDM QPSK_3624.99MHz_Inner_1RB_Left



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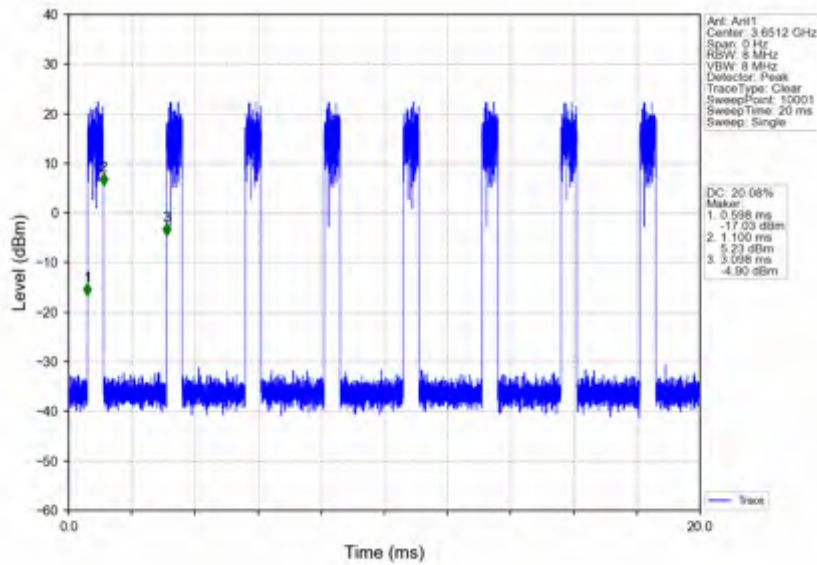


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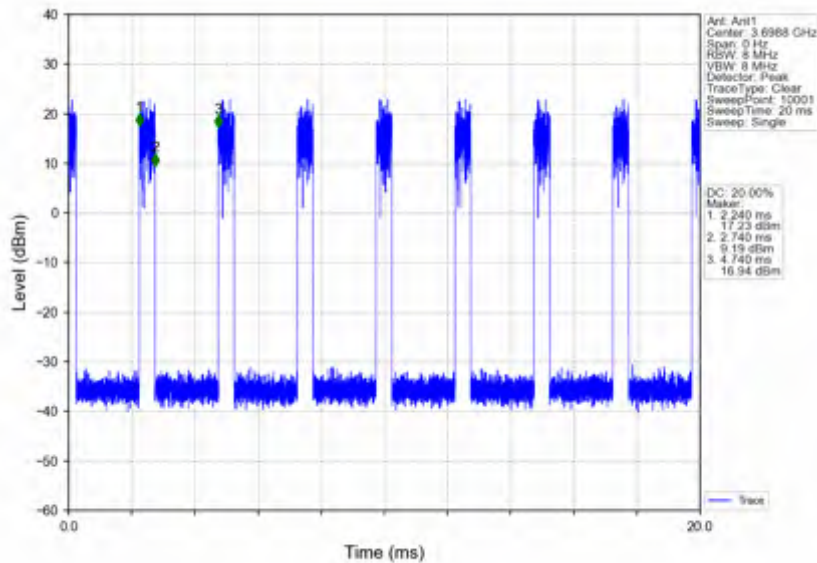
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n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_3675MHz_Edge_1RB_Left



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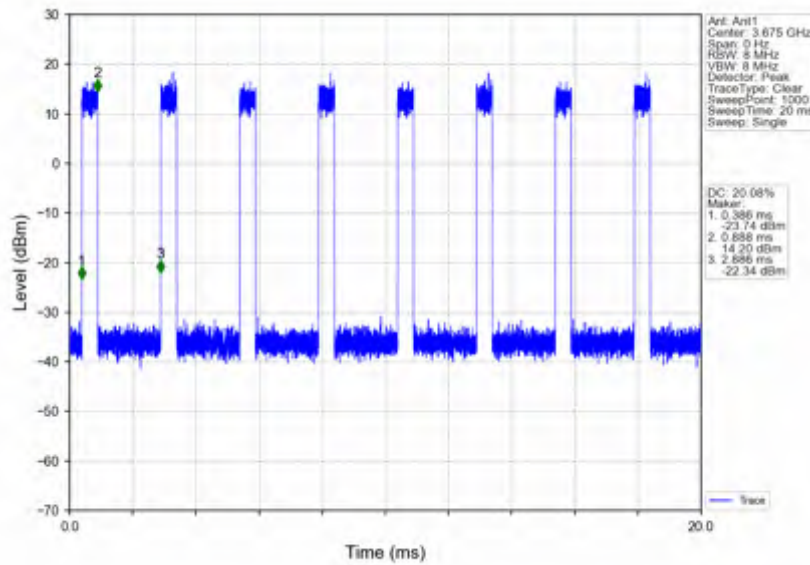


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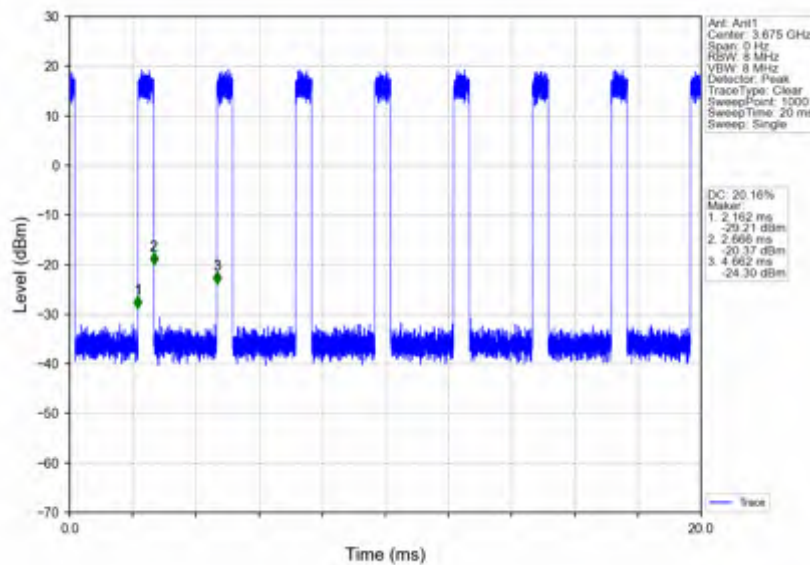
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n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_3675MHz_Outer_Full



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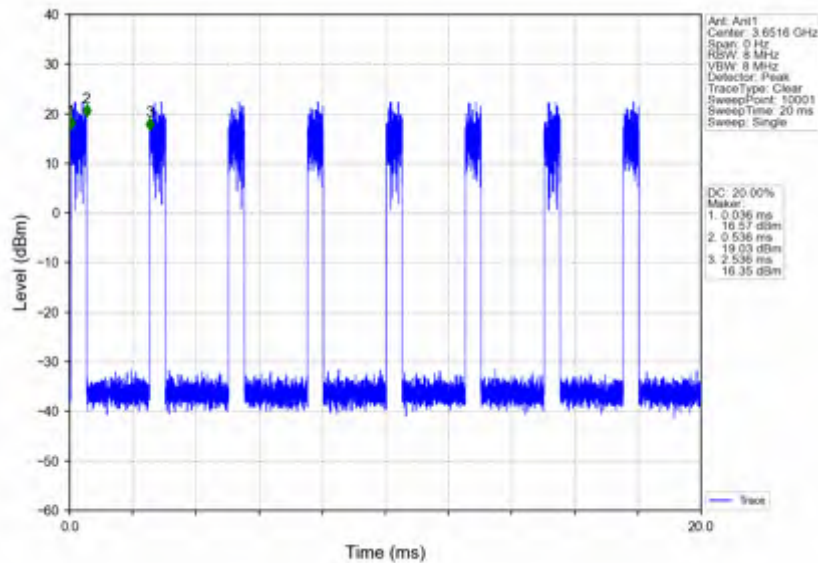


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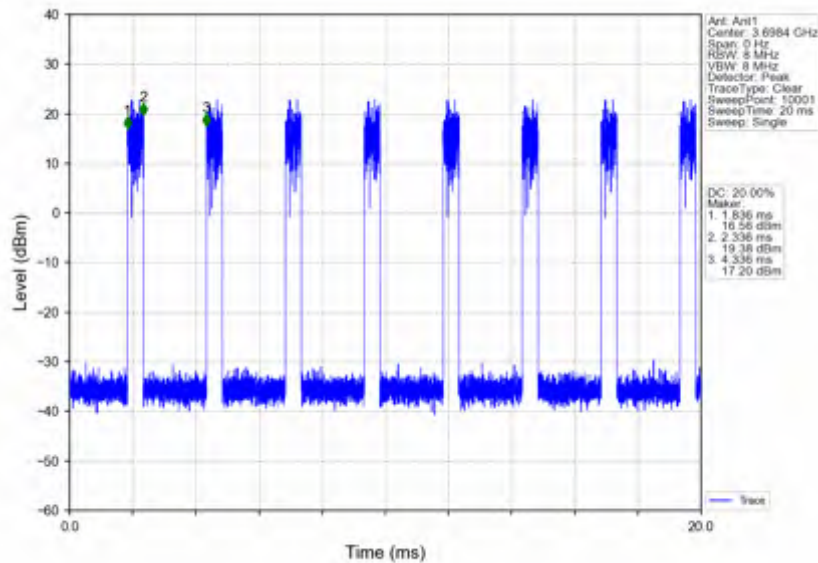
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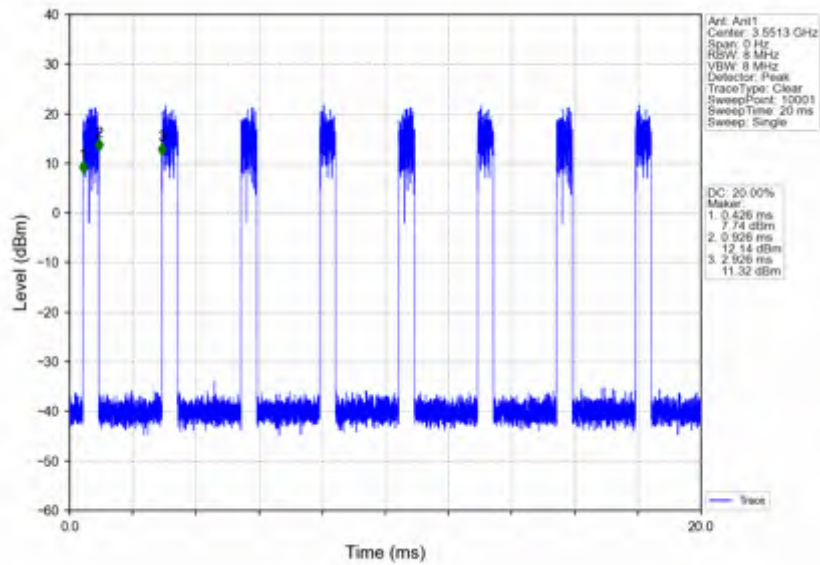
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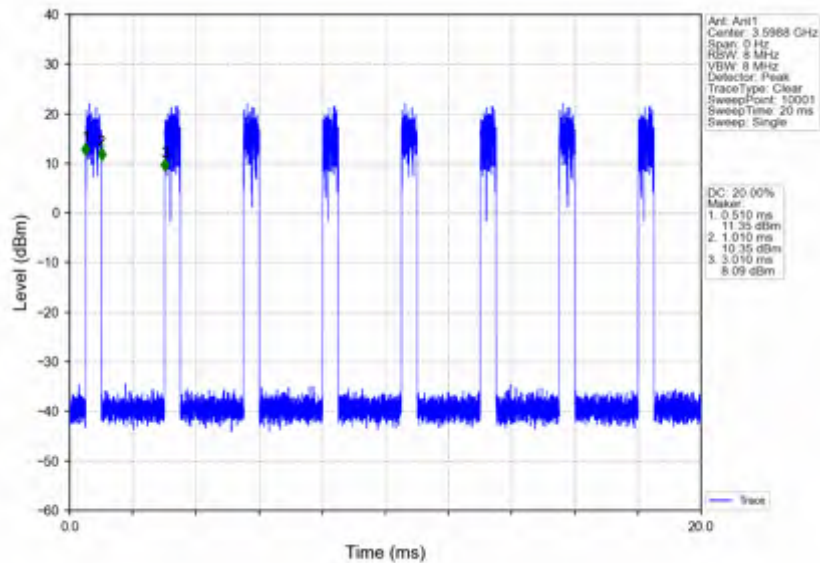
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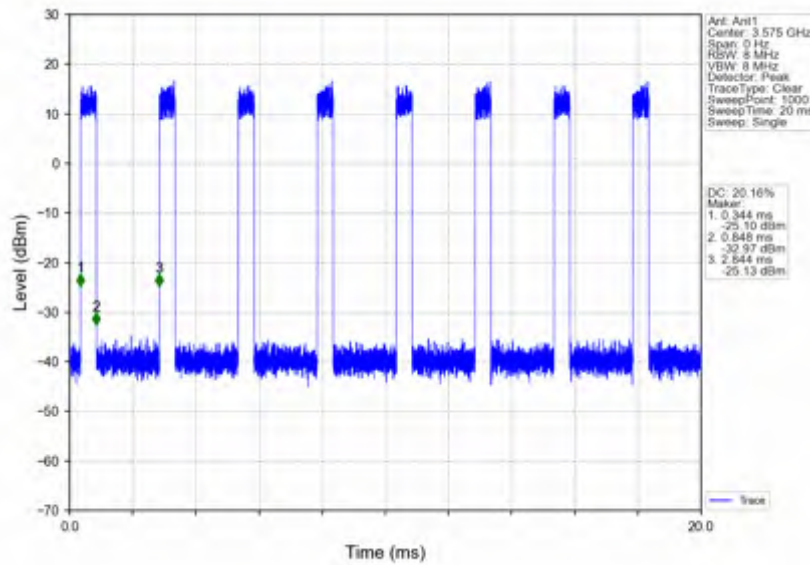


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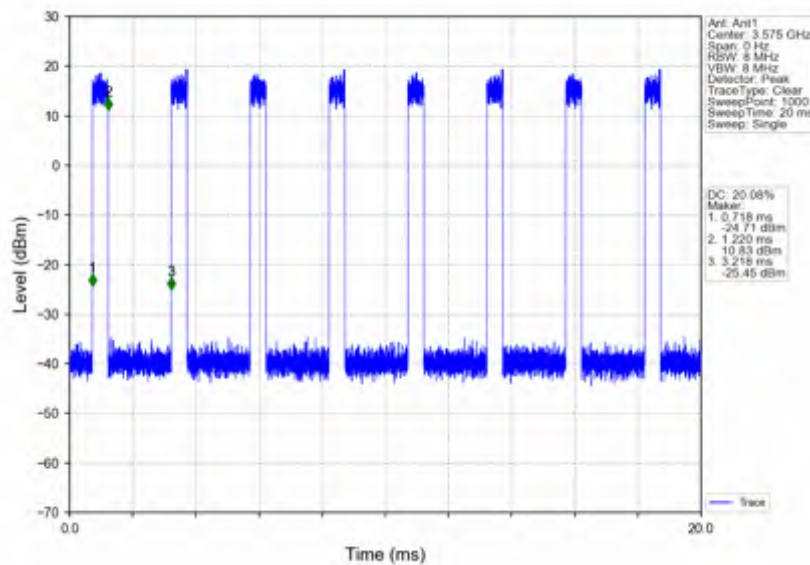
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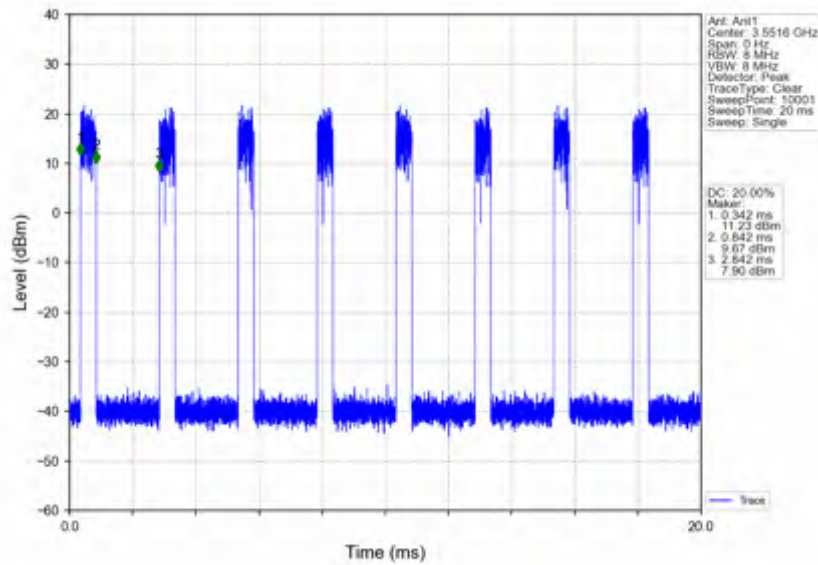
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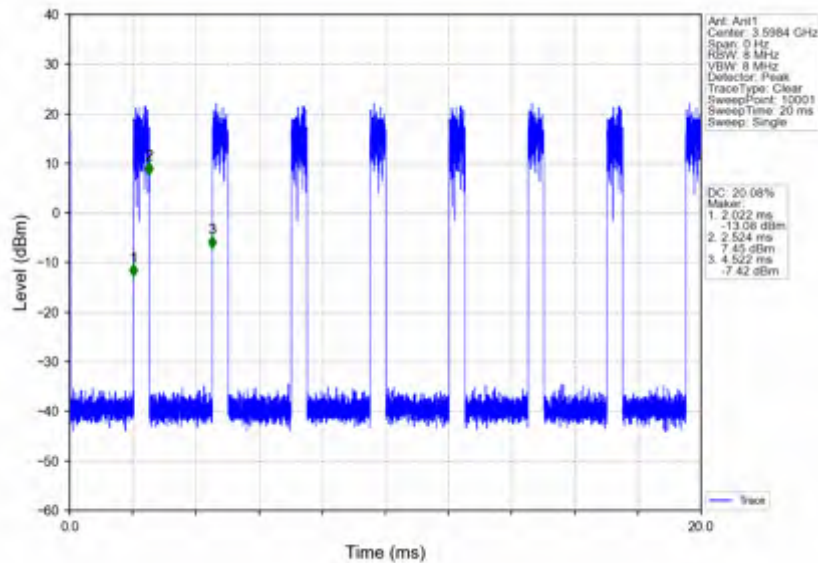
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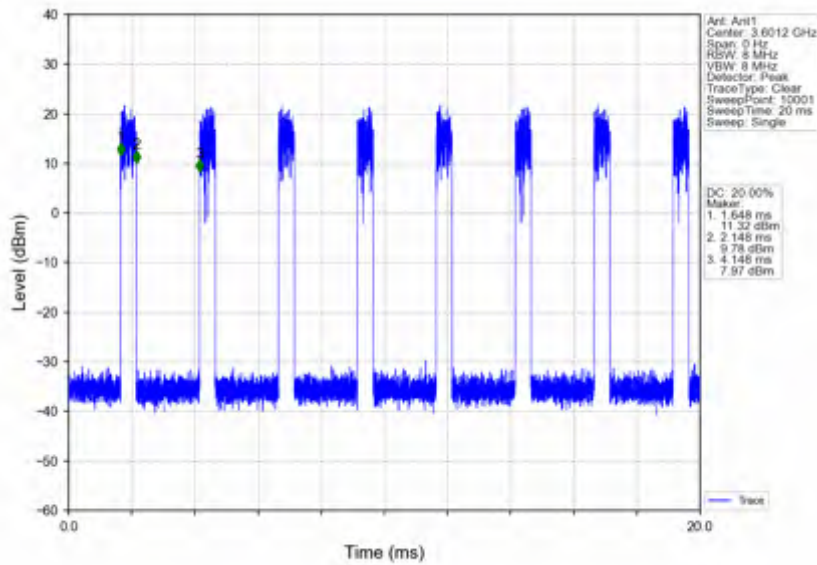


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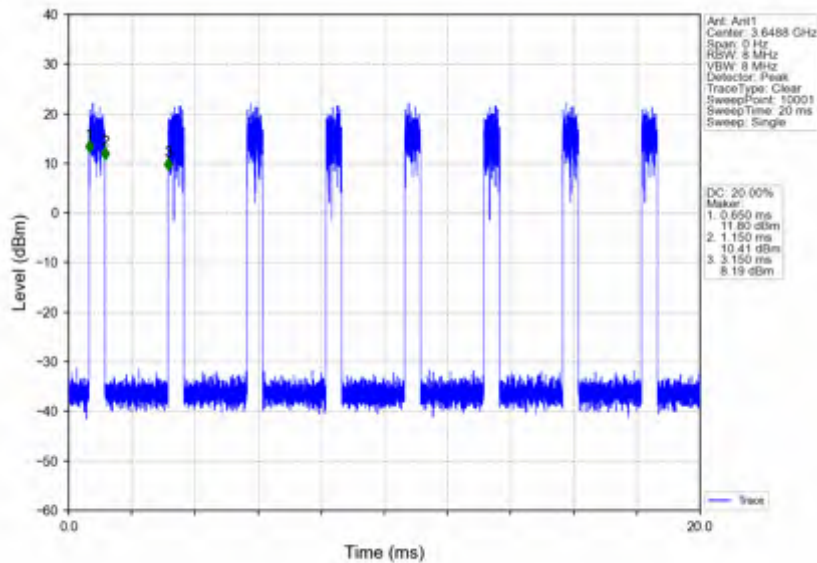
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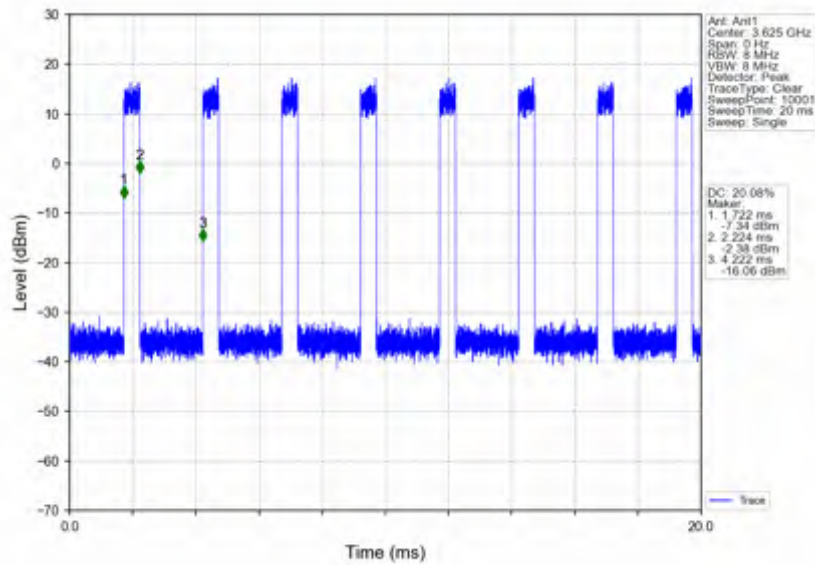


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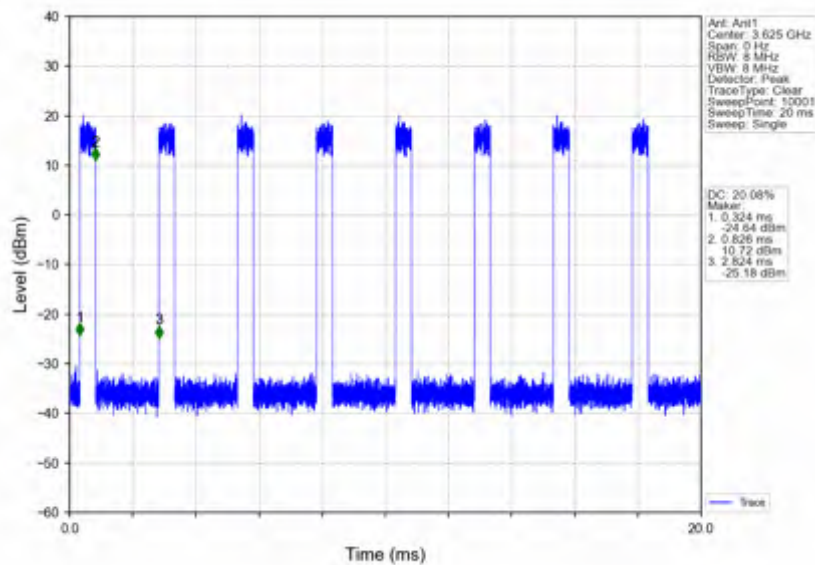
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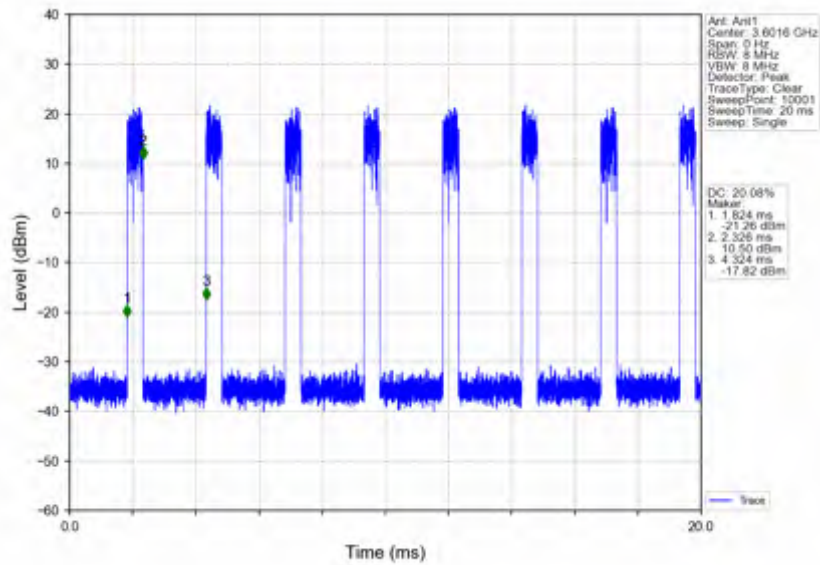
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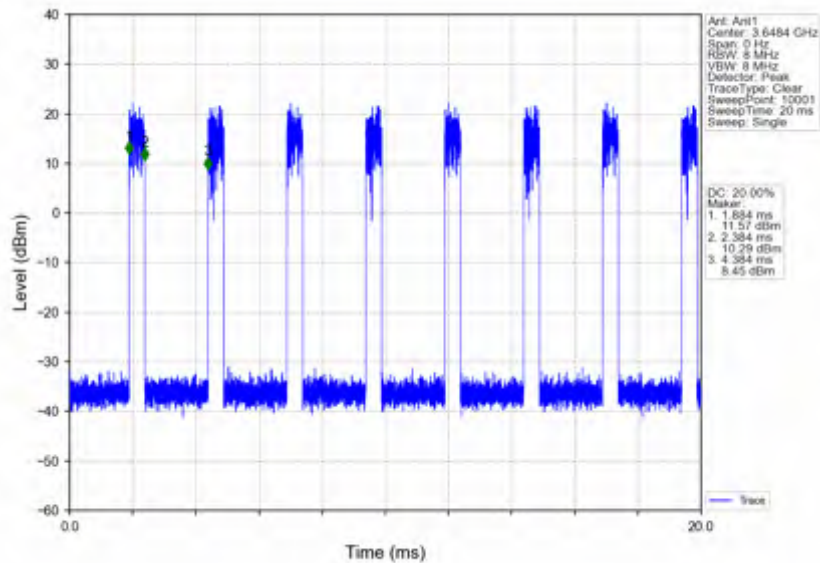
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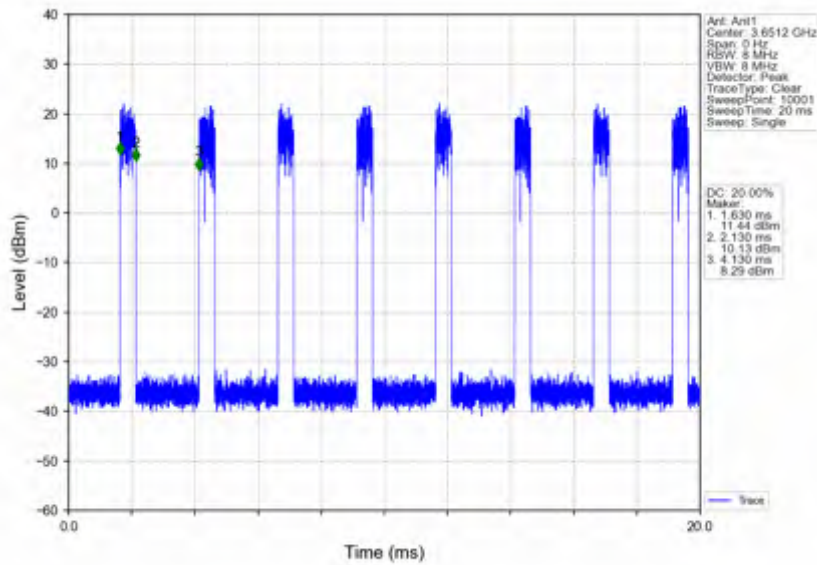


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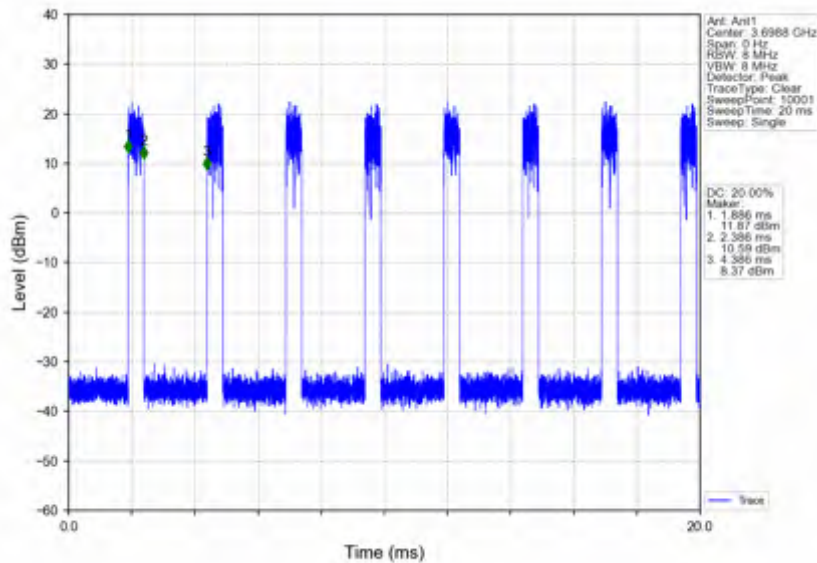
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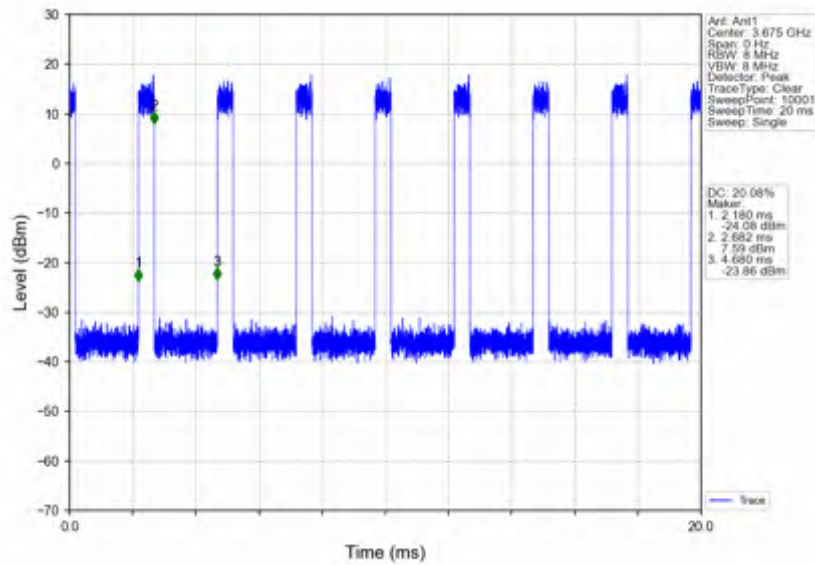


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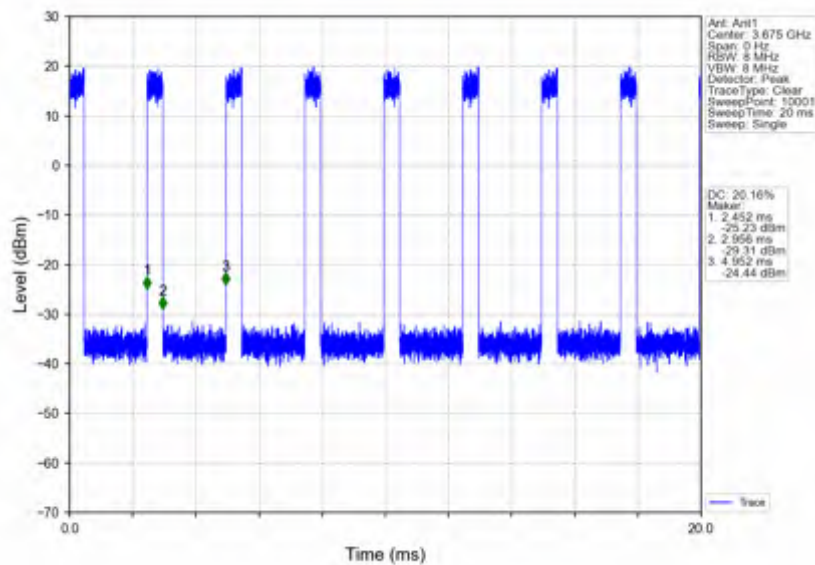
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n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM_16 QAM_3675MHz_Outer_Full



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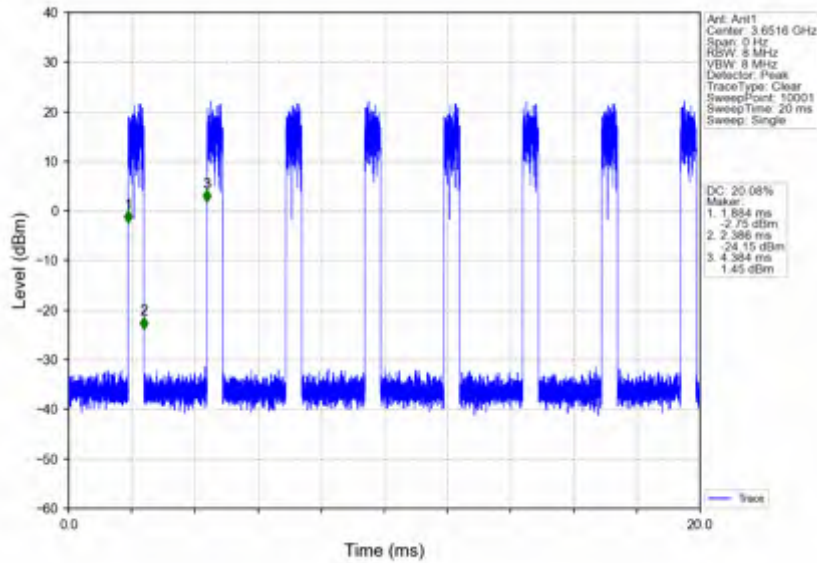


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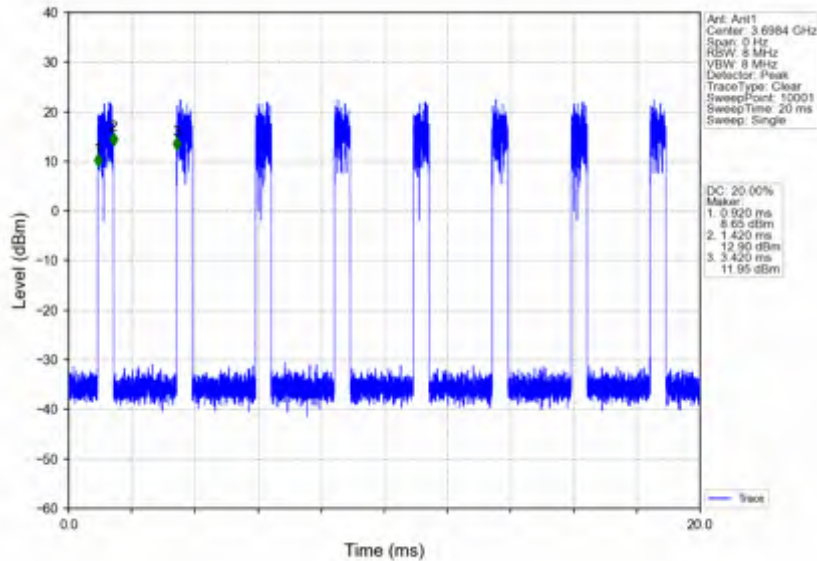
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n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM 16 QAM_3675MHz_Inner_1RB_Left



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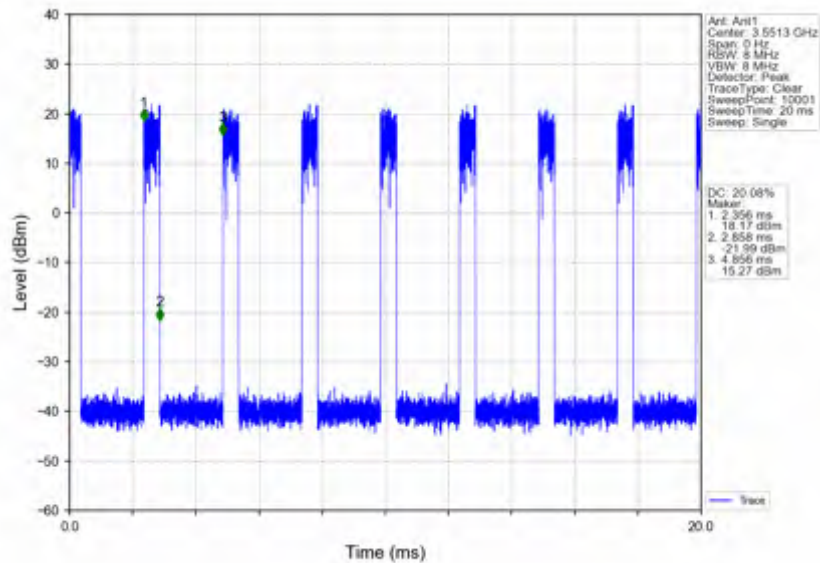
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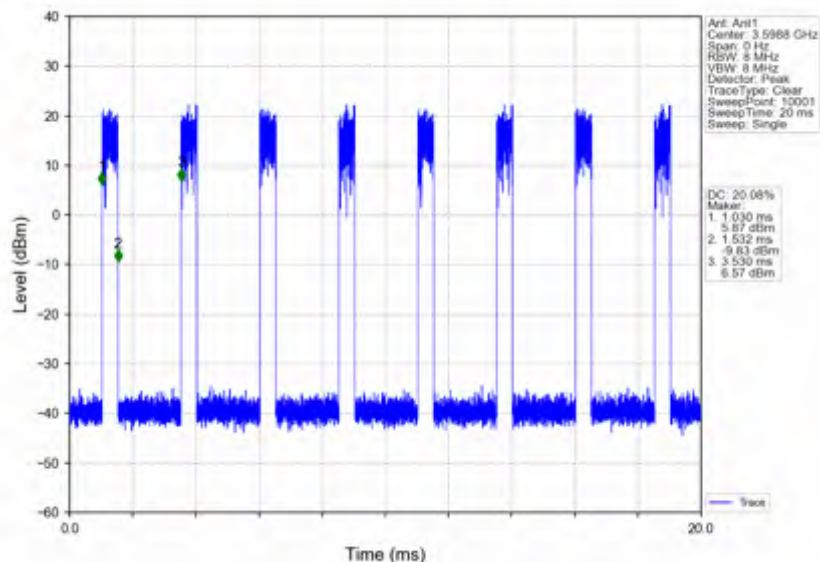
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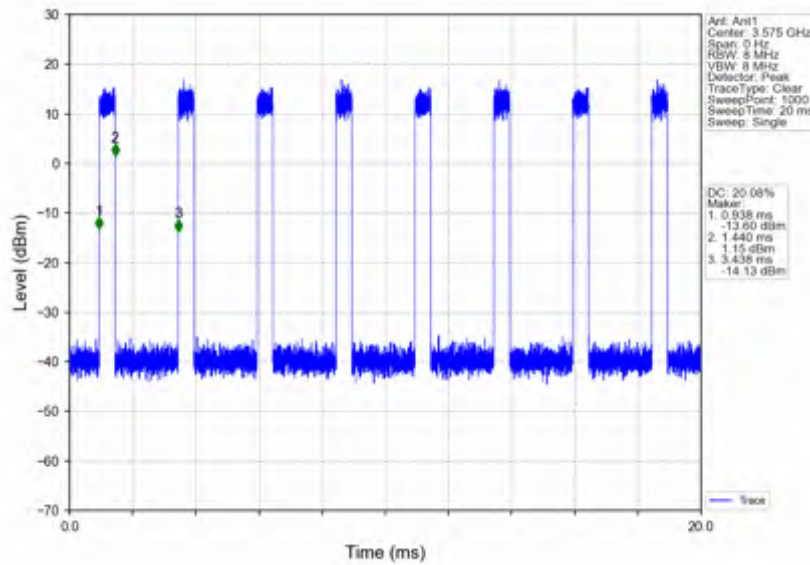


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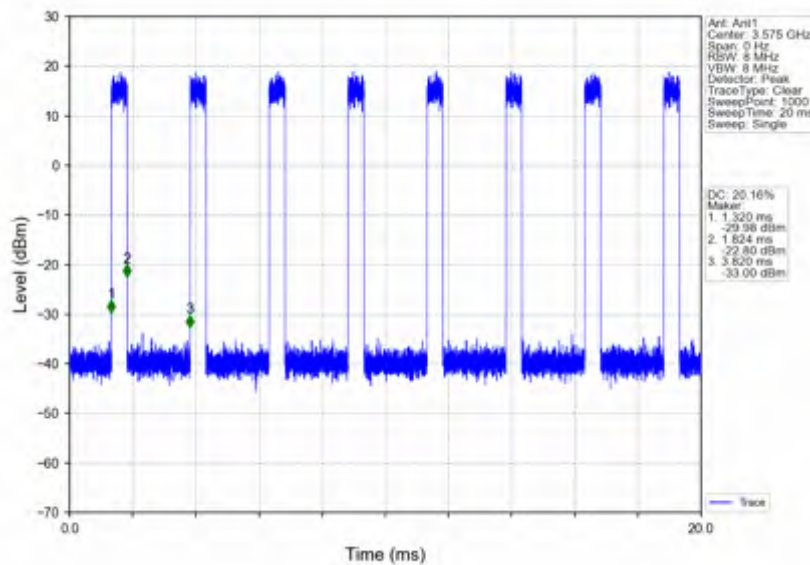
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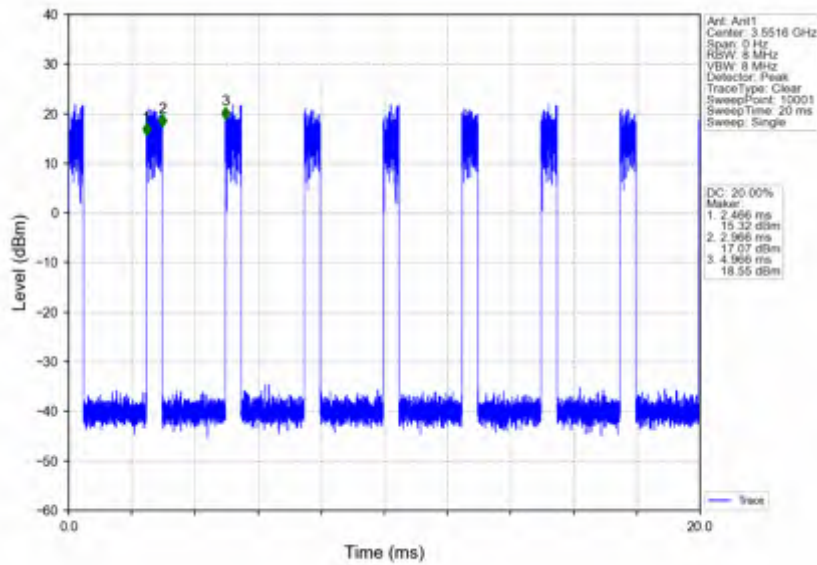
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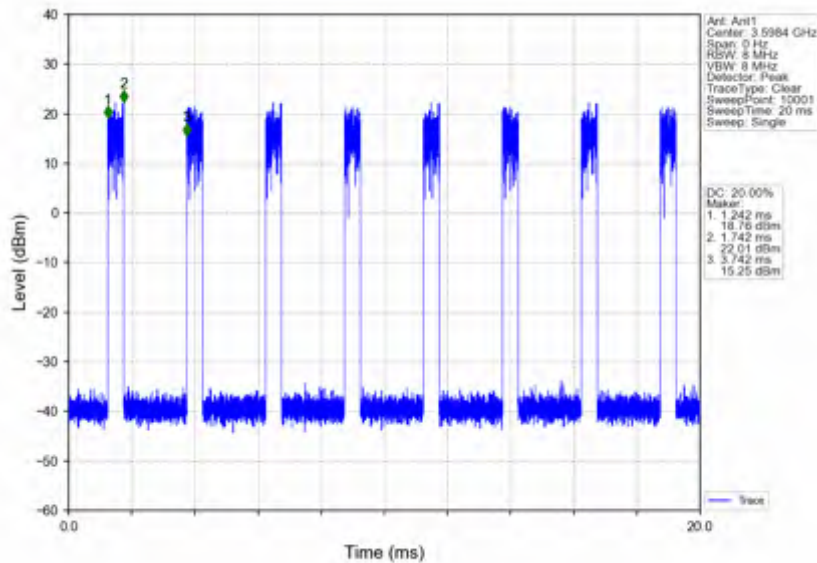
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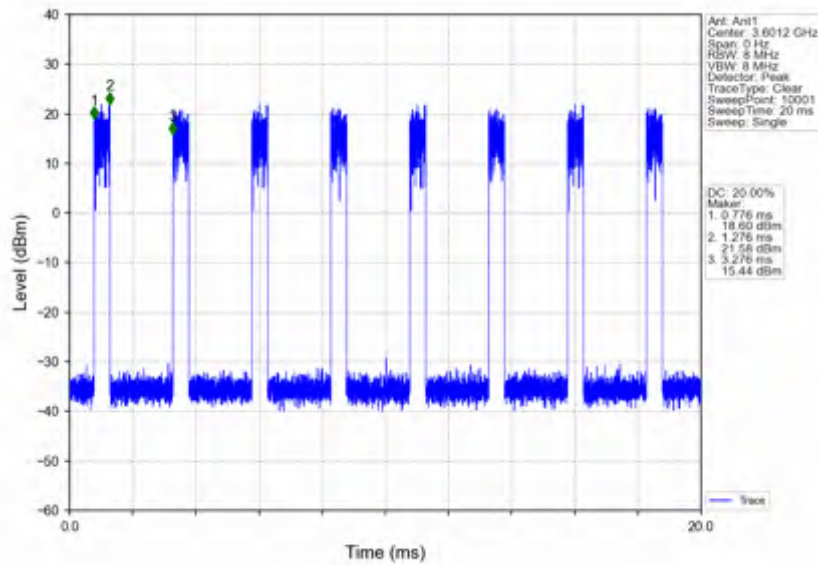


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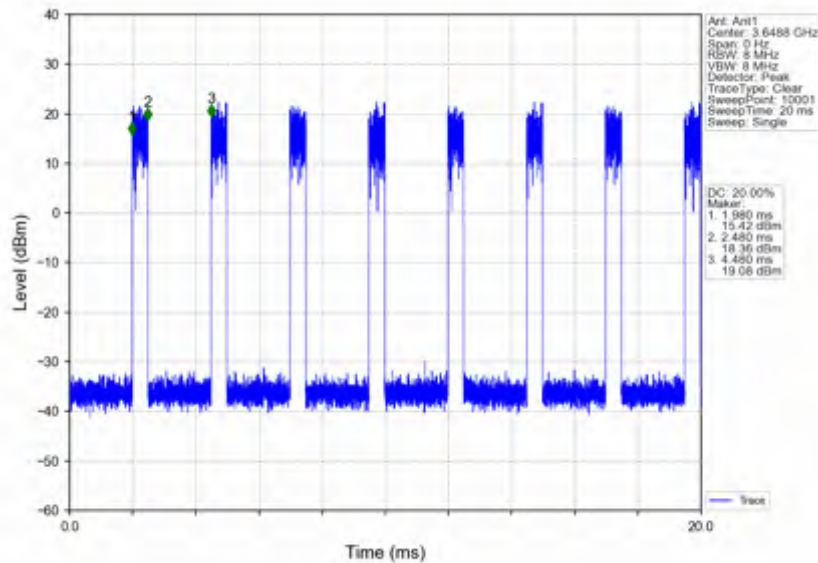
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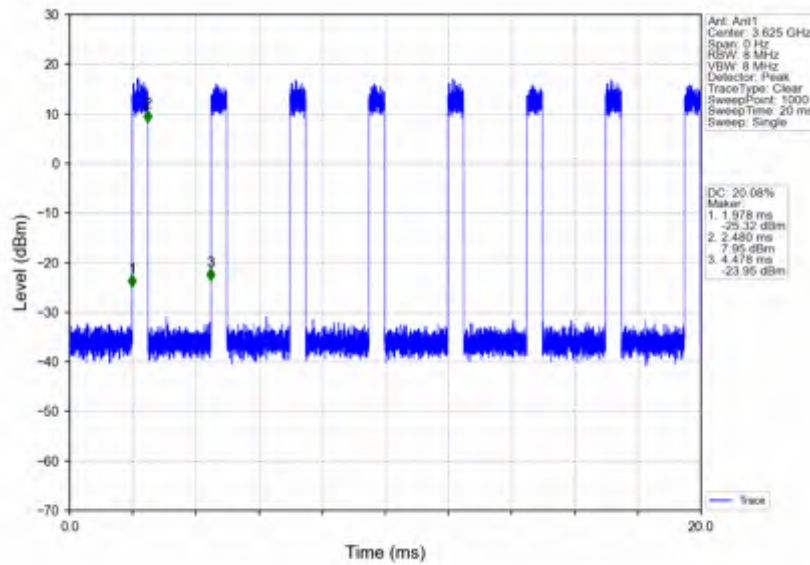


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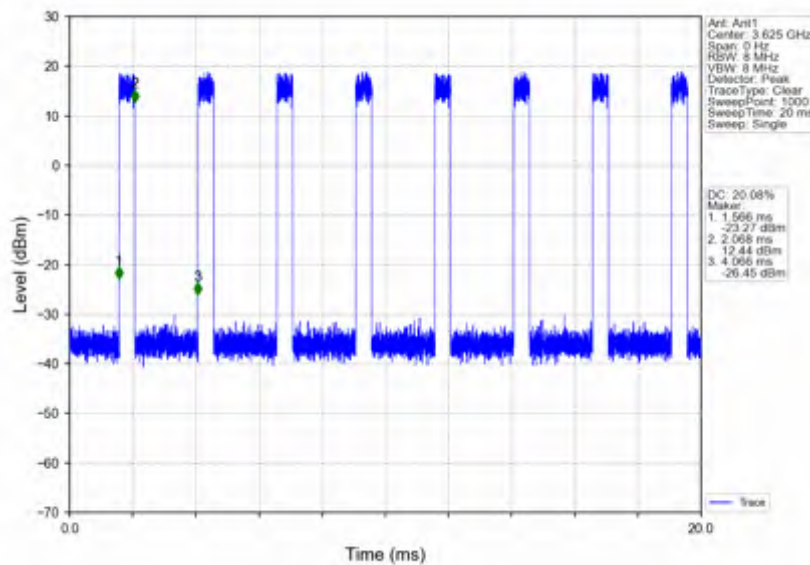
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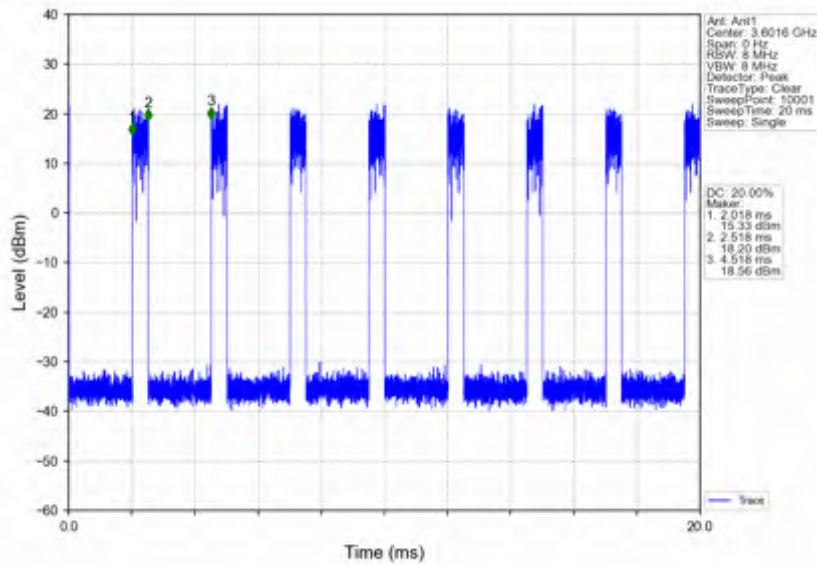


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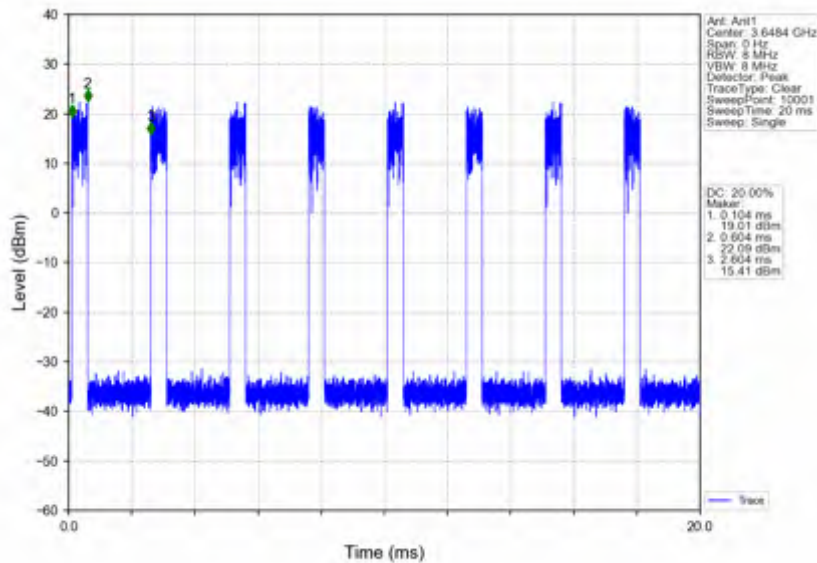
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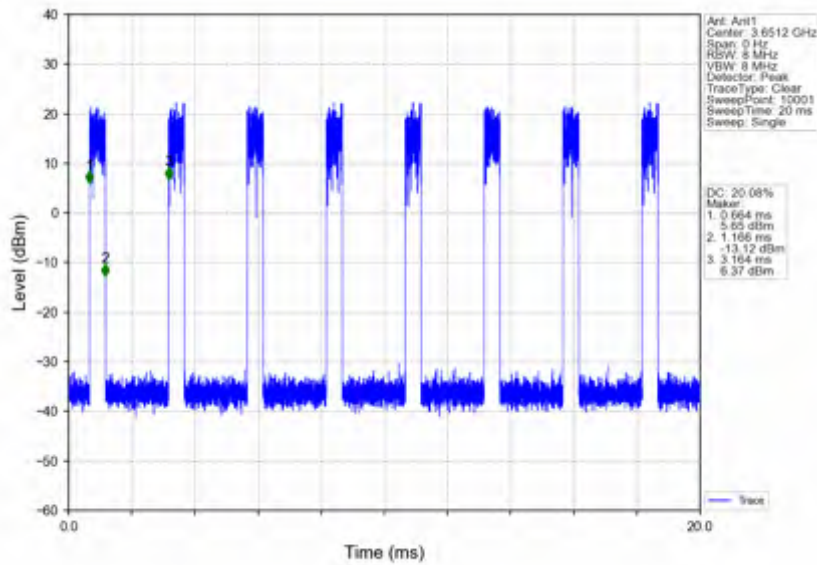


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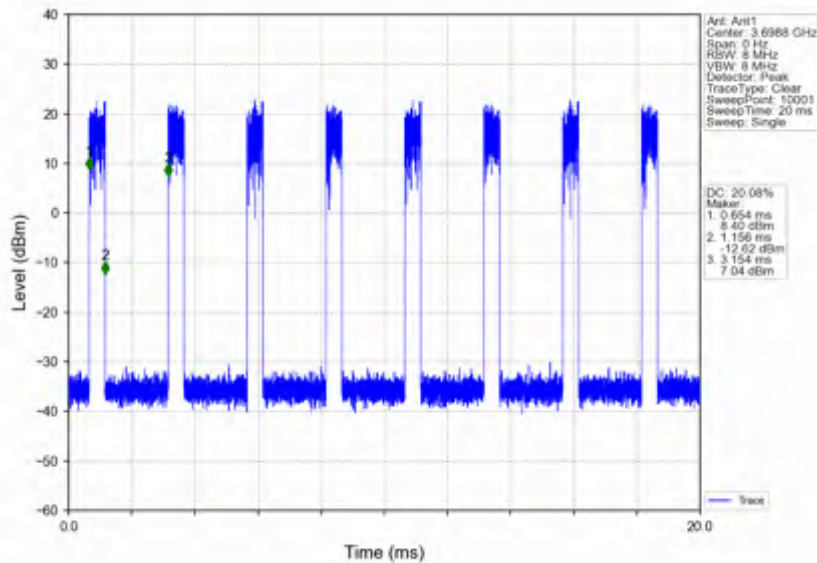
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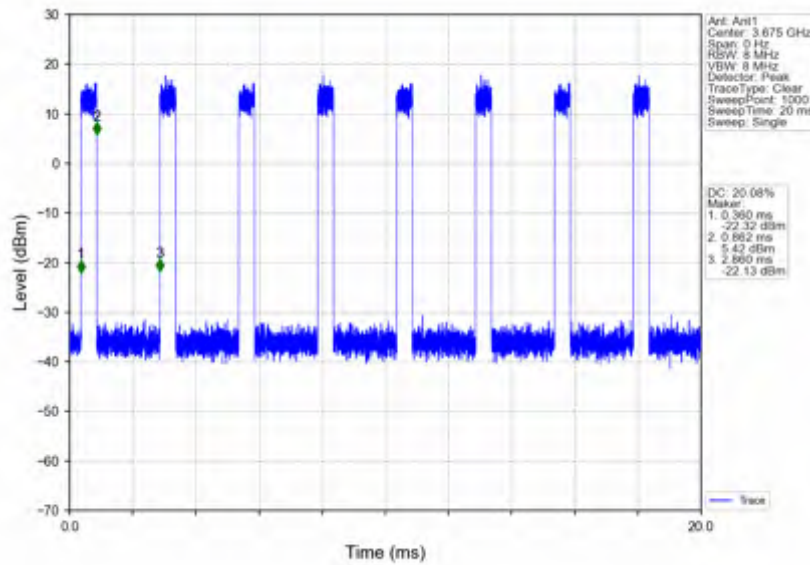


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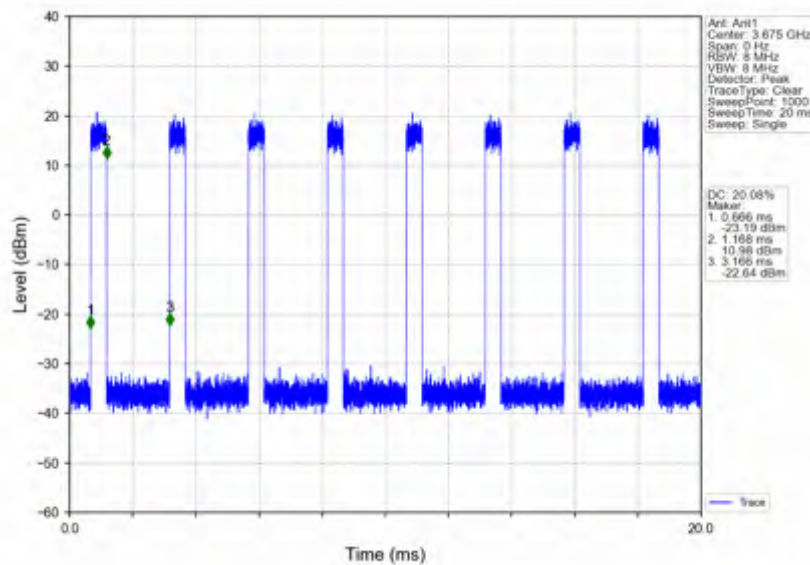
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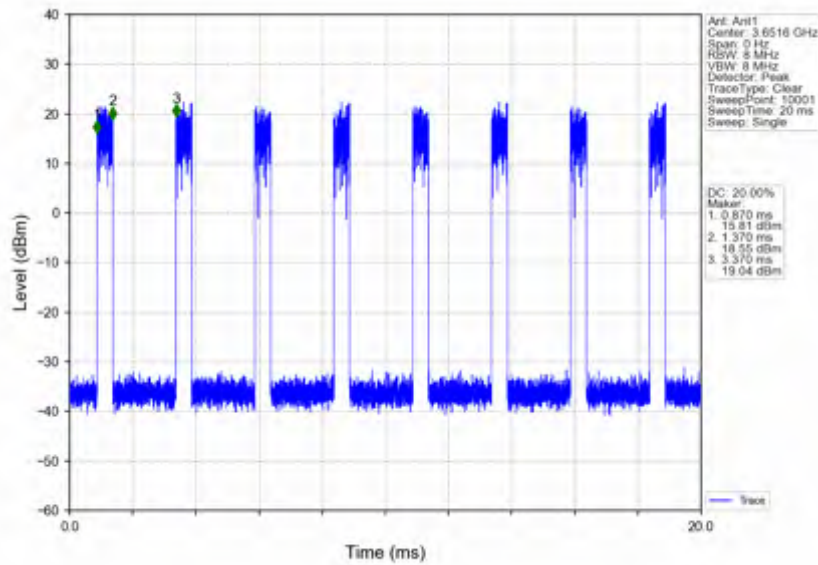
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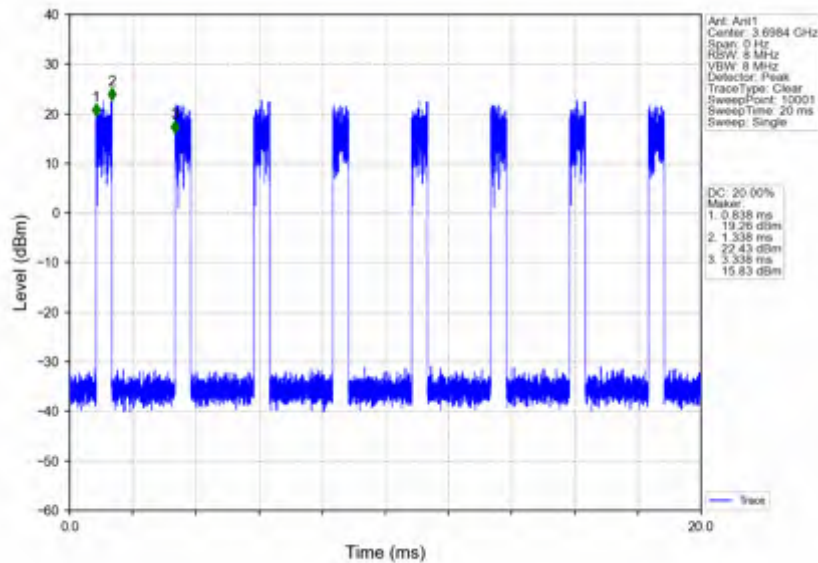
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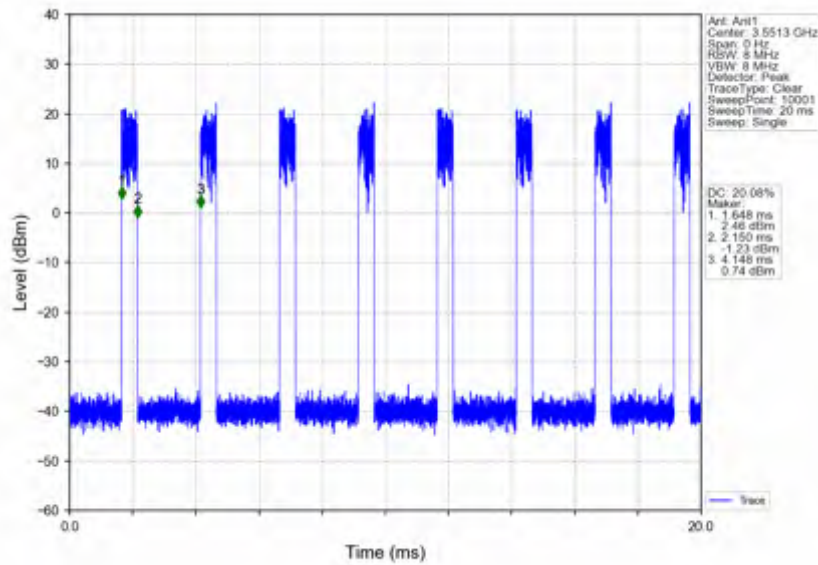


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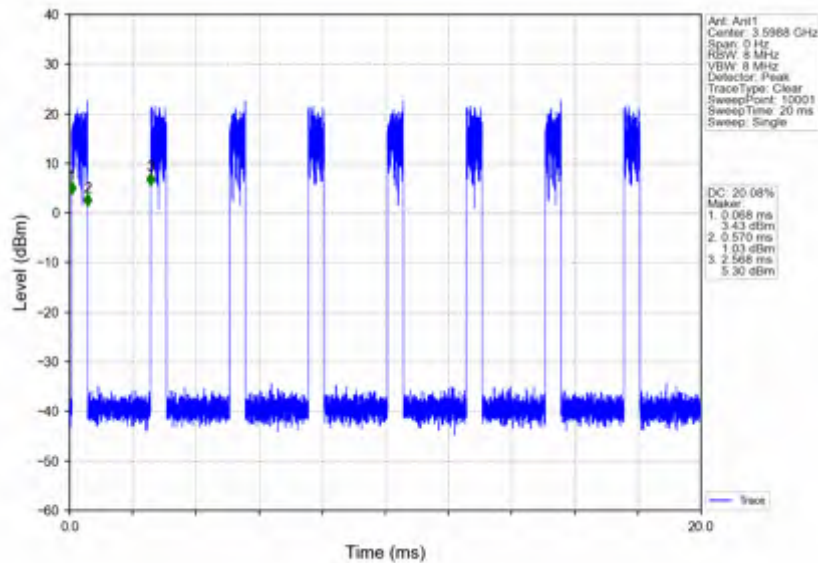
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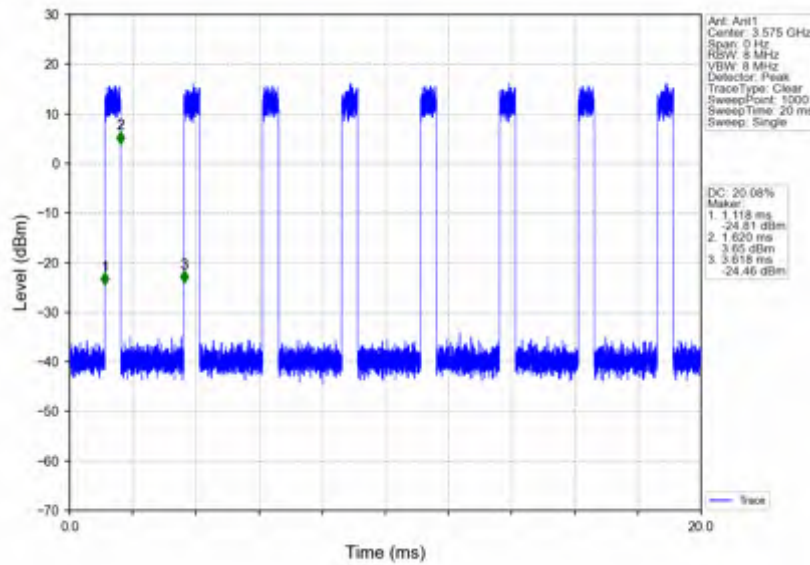


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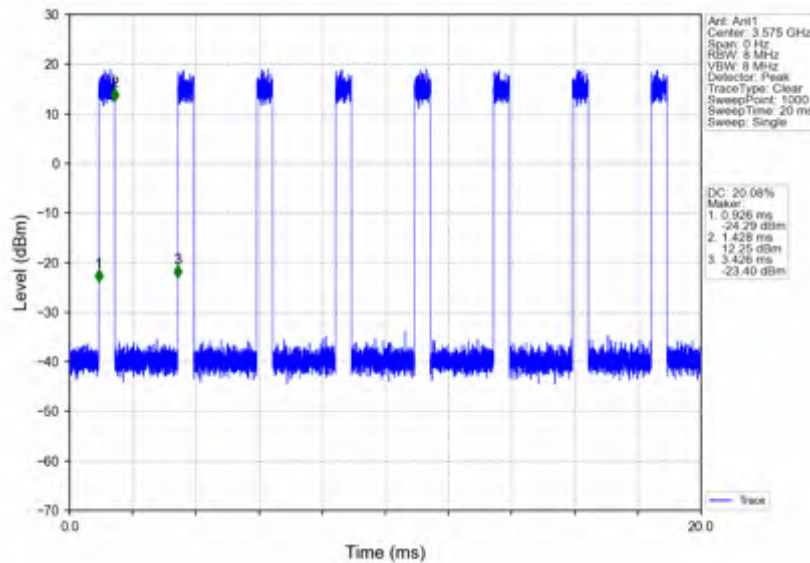
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n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM 256 QAM_3575.01MHz_Outer_Full



n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM 256 QAM_3575.01MHz_Inner_Full

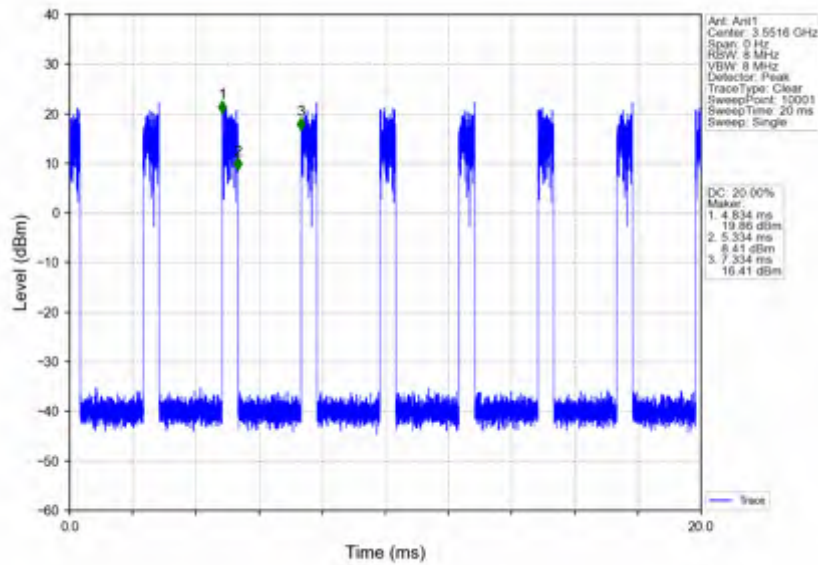


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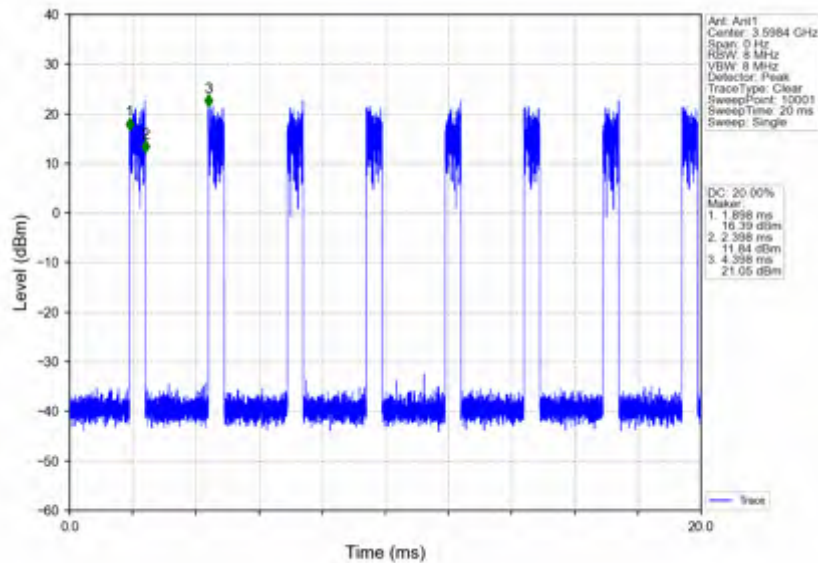
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n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM 256 QAM_3575.01MHz_Inner_1RB_Left



n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM 256 QAM_3575.01MHz_Inner_1RB_Right

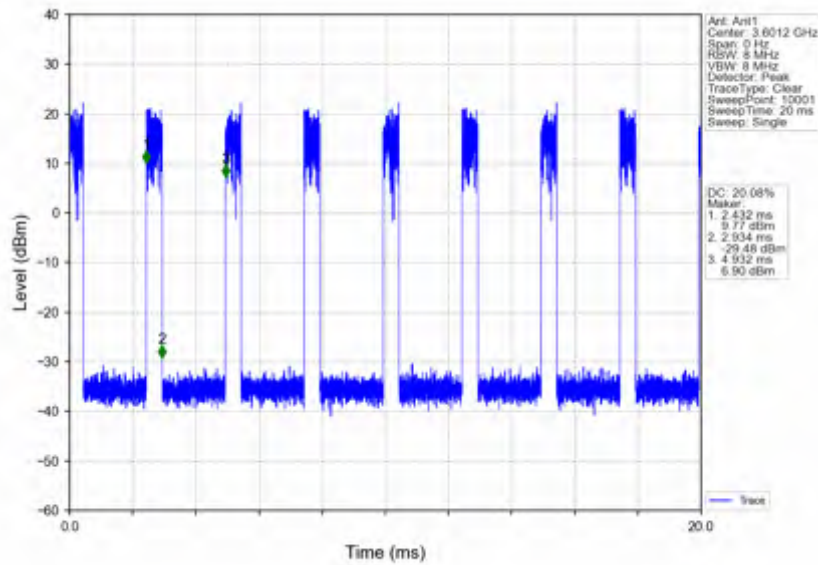


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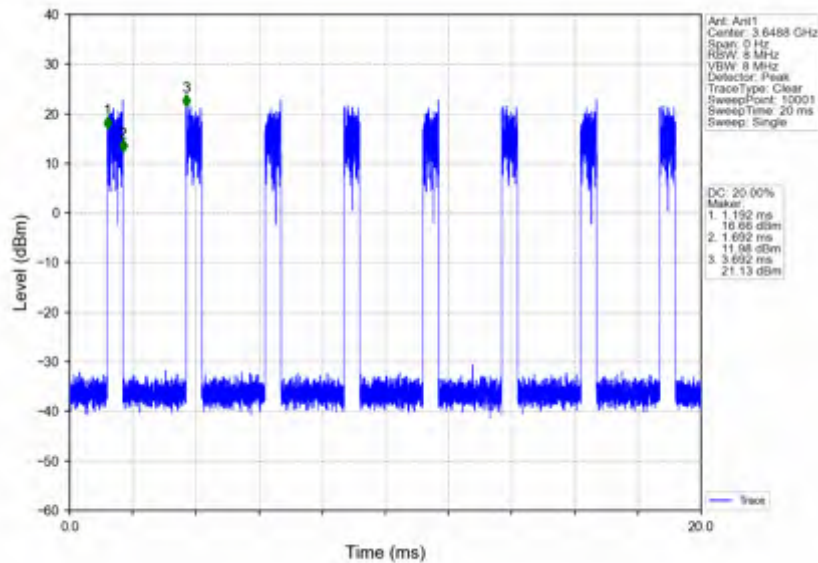
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n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM 256 QAM_3624.99MHz_Edge_1RB_Left



n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM 256 QAM_3624.99MHz_Edge_1RB_Right

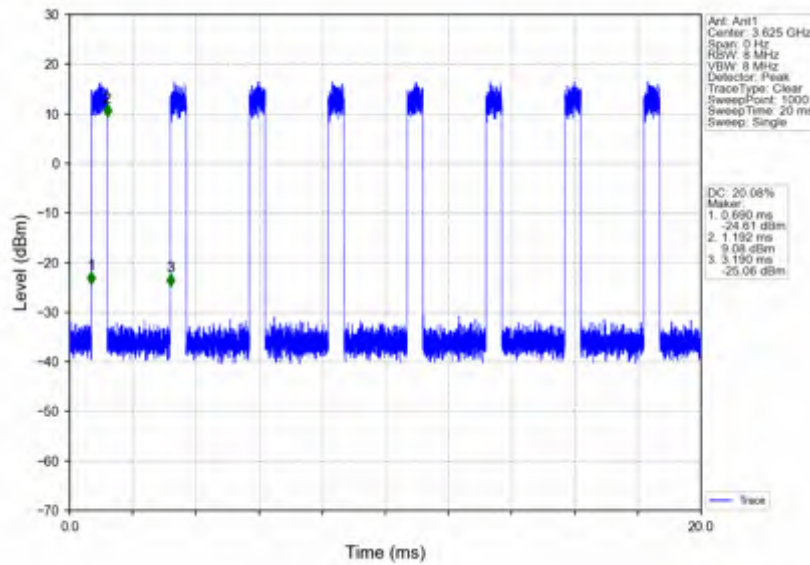


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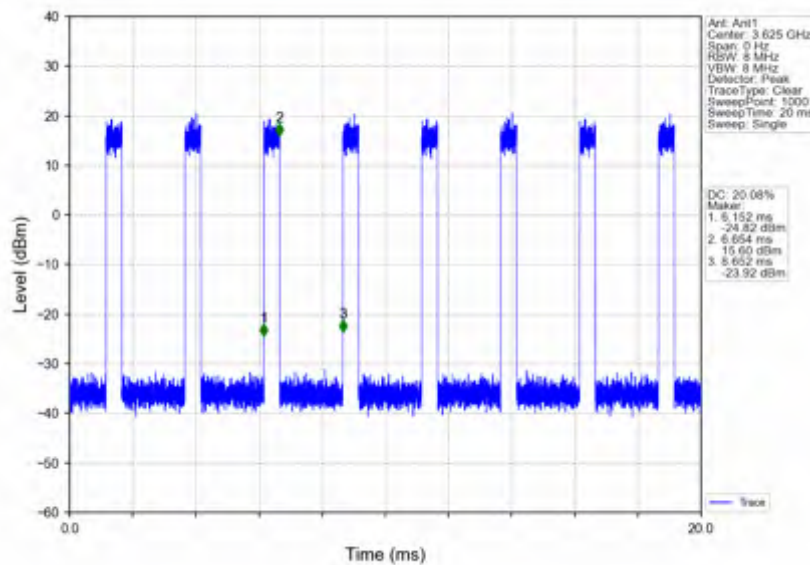
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n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full



n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM 256 QAM_3624.99MHz_Inner_Full

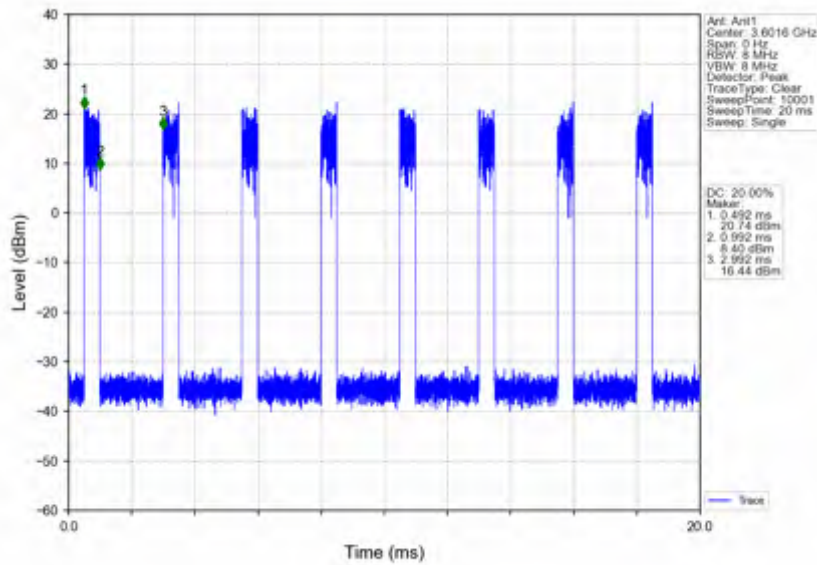


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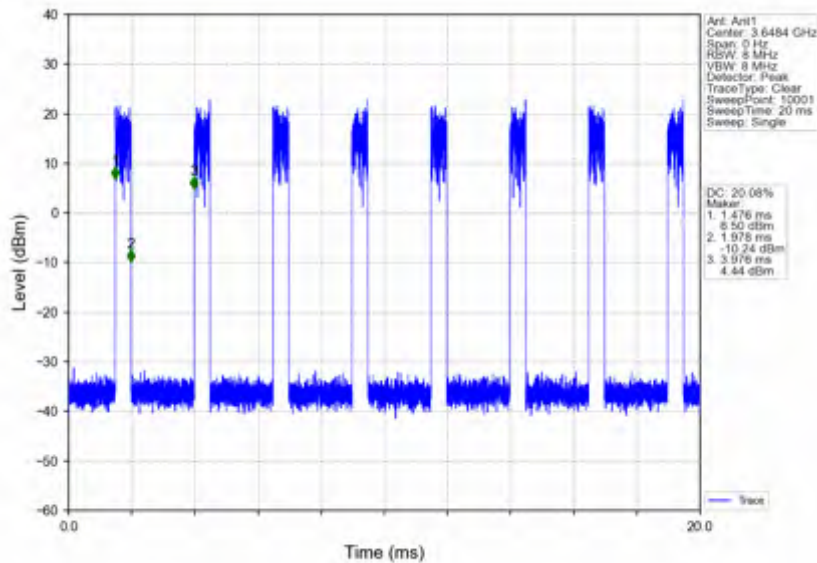
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n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM 256 QAM_3624.99MHz_Inner_1RB_Left



n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM 256 QAM_3624.99MHz_Inner_1RB_Right



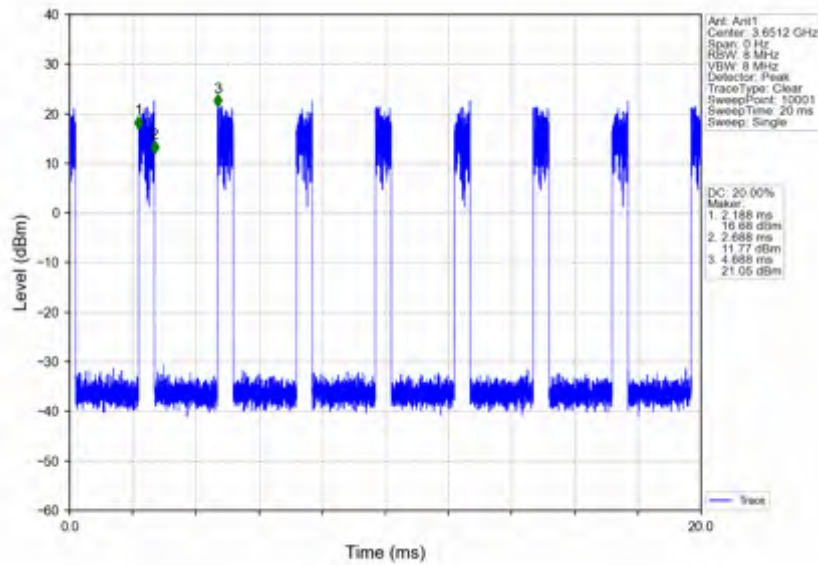
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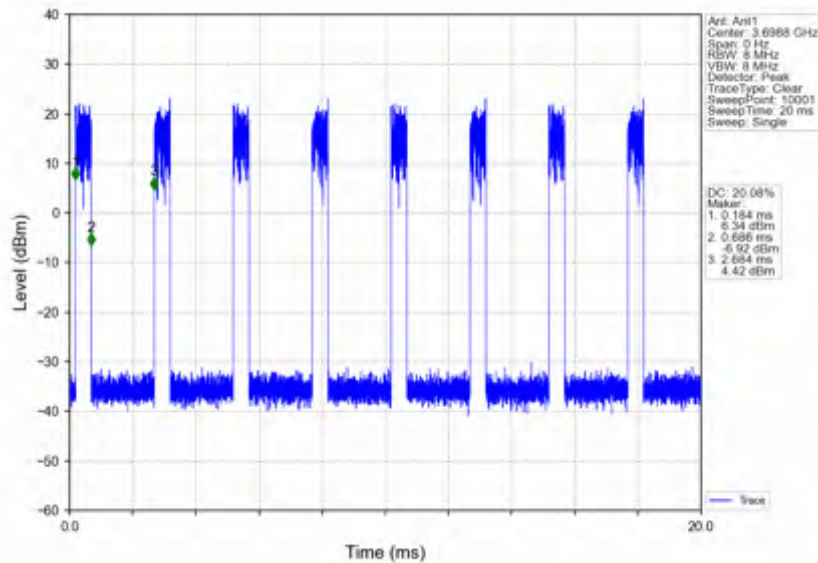
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n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM 256 QAM_3675MHz_Edge_1RB_Left



n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM 256 QAM_3675MHz_Edge_1RB_Right

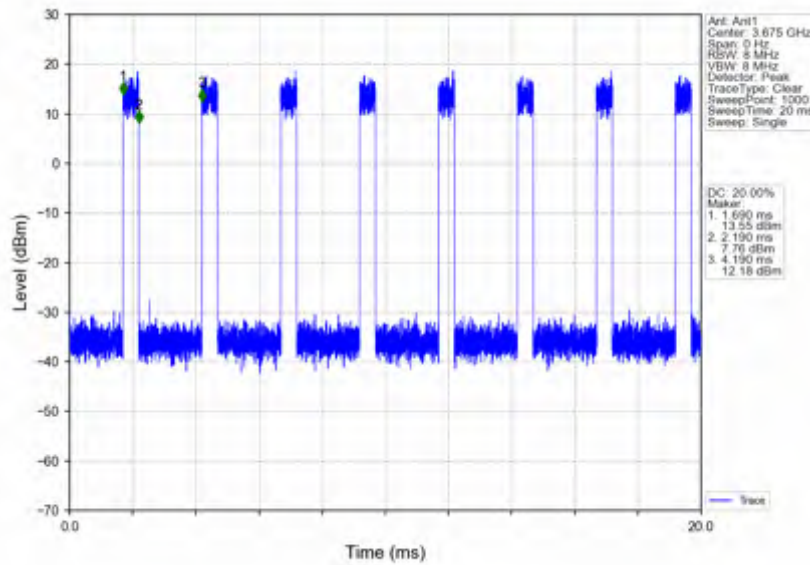


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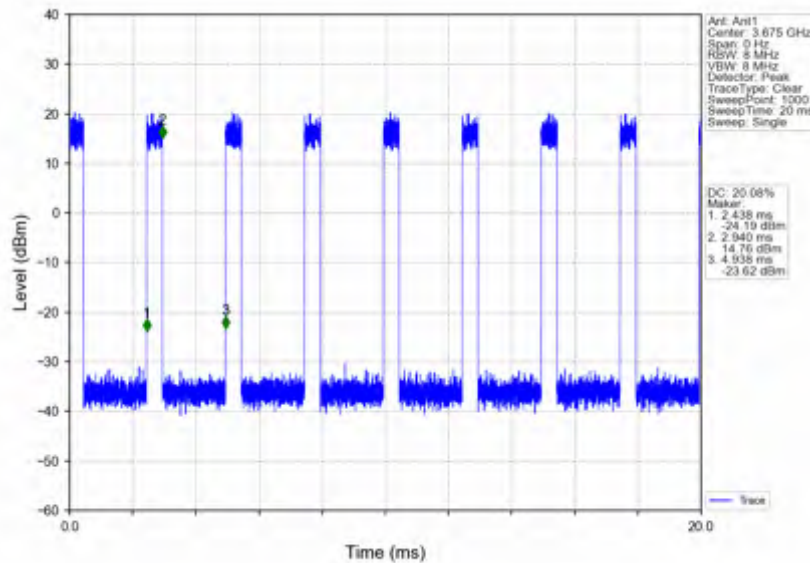
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n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM 256 QAM_3675MHz_Outer_Full



n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM 256 QAM_3675MHz_Inner_Full



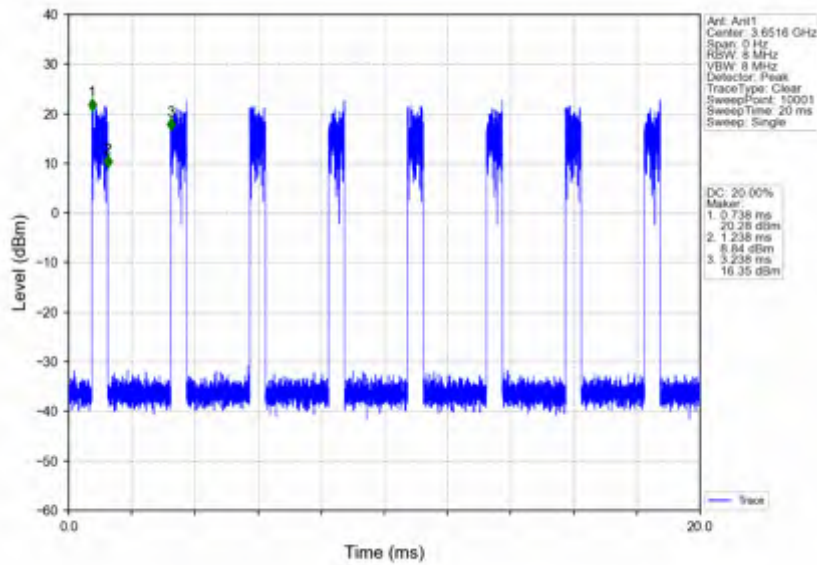
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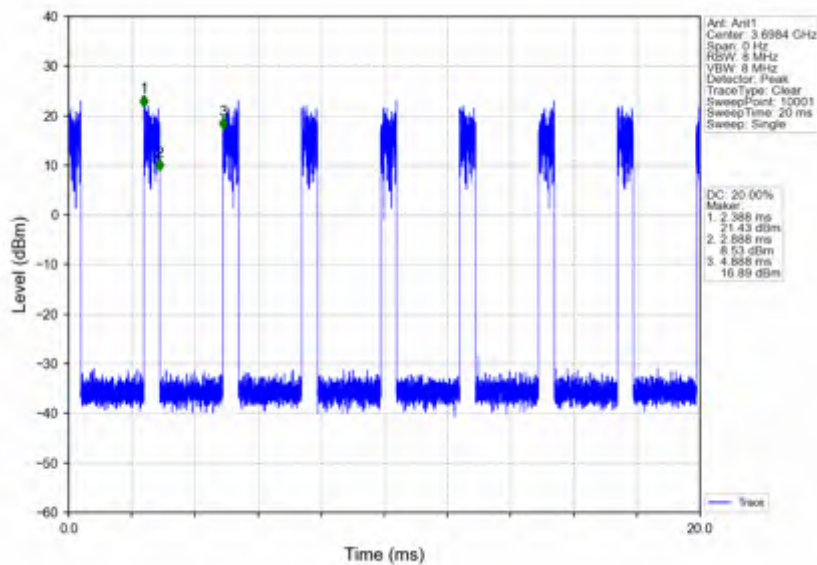
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n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM 256 QAM_3675MHz_Inner_1RB_Left



n78d_30kHz_SISO_NTNV_50MHz_CP-OFDM 256 QAM_3675MHz_Inner_1RB_Right



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1.15 30k_SISO_60MHz_NTNV

1.15.1 Test Result

5G NR n78d SCS=30kHz SISO 60MHz 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	3580.02	Edge_1RB_Left	0.500	2.500	20.00	6.99	0.00
		Edge_1RB_Right	0.500	2.500	20.00	6.99	0.00
		Outer_Full	0.502	2.498	20.10	6.97	0.06
		Inner_Full	0.502	2.500	20.08	6.97	0.00
		Inner_1RB_Left	0.502	2.500	20.08	6.97	0.00
		Inner_1RB_Right	0.500	2.500	20.00	6.99	0.00
	3624.99	Edge_1RB_Left	0.500	2.500	20.00	6.99	0.14
		Edge_1RB_Right	0.500	2.500	20.00	6.99	0.00
		Outer_Full	0.504	2.500	20.16	6.96	0.08
		Inner_Full	0.502	2.500	20.08	6.97	0.16
		Inner_1RB_Left	0.502	2.500	20.08	6.97	0.08
		Inner_1RB_Right	0.502	2.500	20.08	6.97	0.00
	3669.99	Edge_1RB_Left	0.500	2.500	20.00	6.99	0.08
		Edge_1RB_Right	0.500	2.500	20.00	6.99	0.00
		Outer_Full	0.502	2.500	20.08	6.97	0.00
		Inner_Full	0.500	2.498	20.02	6.99	0.06
		Inner_1RB_Left	0.500	2.500	20.00	6.99	0.00
		Inner_1RB_Right	0.500	2.500	20.00	6.99	0.08
DFT-s-OFDM QPSK	3580.02	Edge_1RB_Left	0.500	2.500	20.00	6.99	0.00
		Edge_1RB_Right	0.502	2.500	20.08	6.97	0.00
		Outer_Full	0.504	2.500	20.16	6.96	0.00
		Inner_Full	0.504	2.500	20.16	6.96	0.00
		Inner_1RB_Left	0.500	2.500	20.00	6.99	0.00
		Inner_1RB_Right	0.502	2.500	20.08	6.97	0.00
	3624.99	Edge_1RB_Left	0.500	2.500	20.00	6.99	0.00
		Edge_1RB_Right	0.500	2.500	20.00	6.99	0.06
		Outer_Full	0.502	2.500	20.08	6.97	0.00
		Inner_Full	0.502	2.500	20.08	6.97	0.08
		Inner_1RB_Left	0.500	2.500	20.00	6.99	0.00
		Inner_1RB_Right	0.500	2.500	20.00	6.99	0.00
	3669.99	Edge_1RB_Left	0.500	2.500	20.00	6.99	0.00
		Edge_1RB_Right	0.502	2.500	20.08	6.97	0.00
		Outer_Full	0.502	2.500	20.08	6.97	0.00
		Inner_Full	0.502	2.500	20.08	6.97	0.00
		Inner_1RB_Left	0.502	2.500	20.08	6.97	0.08
		Inner_1RB_Right	0.500	2.500	20.00	6.99	0.00
DFT-s-OFDM 16 QAM	3580.02	Edge_1RB_Left	0.502	2.500	20.08	6.97	0.00
		Edge_1RB_Right	0.502	2.500	20.08	6.97	0.00
		Outer_Full	0.502	2.500	20.08	6.97	0.00
		Inner_Full	0.502	2.500	20.08	6.97	0.00
		Inner_1RB_Left	0.500	2.500	20.00	6.99	0.00
		Inner_1RB_Right	0.500	2.500	20.00	6.99	0.00
	3624.99	Edge_1RB_Left	0.500	2.500	20.00	6.99	0.00
		Edge_1RB_Right	0.502	2.500	20.08	6.97	0.00



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		Outer_Full	0.502	2.500	20.08	6.97	0.08			
		Inner_Full	0.502	2.500	20.08	6.97	0.00			
		Inner_1RB_Left	0.500	2.500	20.00	6.99	0.00			
		Inner_1RB_Right	0.500	2.500	20.00	6.99	0.00			
	3669.99		Edge_1RB_Left	0.500	2.500	20.00	6.99	0.00		
			Edge_1RB_Right	0.502	2.500	20.08	6.97	0.00		
			Outer_Full	0.502	2.500	20.08	6.97	0.00		
			Inner_Full	0.502	2.500	20.08	6.97	0.00		
			Inner_1RB_Left	0.502	2.500	20.08	6.97	0.00		
			Inner_1RB_Right	0.500	2.500	20.00	6.99	0.00		
			DFT-s-OFDM 64 QAM	3580.02	Edge_1RB_Left	0.502	2.500	20.08	6.97	0.00
					Edge_1RB_Right	0.502	2.500	20.08	6.97	0.00
Outer_Full	0.502	2.500			20.08	6.97	0.00			
Inner_Full	0.502	2.500			20.08	6.97	0.00			
3624.99		Inner_1RB_Left		0.500	2.500	20.00	6.99	0.00		
		Inner_1RB_Right		0.500	2.500	20.00	6.99	0.00		
		Edge_1RB_Left		0.500	2.500	20.00	6.99	0.00		
		Edge_1RB_Right		0.500	2.500	20.00	6.99	0.00		
3669.99		Outer_Full		0.502	2.500	20.08	6.97	0.00		
		Inner_Full		0.502	2.500	20.08	6.97	0.00		
		Inner_1RB_Left		0.502	2.500	20.08	6.97	0.00		
		Inner_1RB_Right		0.502	2.500	20.08	6.97	0.00		
DFT-s-OFDM 256 QAM	3580.02	Edge_1RB_Left	0.500	2.500	20.00	6.99	0.00			
		Edge_1RB_Right	0.500	2.500	20.00	6.99	0.00			
		Outer_Full	0.504	2.500	20.16	6.96	0.00			
		Inner_Full	0.502	2.500	20.08	6.97	0.00			
	3624.99		Inner_1RB_Left	0.502	2.500	20.08	6.97	0.00		
			Inner_1RB_Right	0.500	2.500	20.00	6.99	0.00		
			Edge_1RB_Left	0.500	2.500	20.00	6.99	0.00		
			Edge_1RB_Right	0.500	2.500	20.00	6.99	0.08		
	3669.99		Outer_Full	0.502	2.500	20.08	6.97	0.06		
			Inner_Full	0.504	2.500	20.16	6.96	0.00		
			Inner_1RB_Left	0.500	2.500	20.00	6.99	0.00		
			Inner_1RB_Right	0.500	2.500	20.00	6.99	0.00		
CP-OFDM QPSK	3580.02	Edge_1RB_Left	0.500	2.500	20.00	6.99	0.00			
		Edge_1RB_Right	0.500	2.500	20.00	6.99	0.00			
		Outer_Full	0.502	2.500	20.08	6.97	0.00			
		Inner_Full	0.502	2.500	20.08	6.97	0.00			
	3624.99		Inner_1RB_Left	0.500	2.500	20.00	6.99	0.00		
			Inner_1RB_Right	0.500	2.500	20.00	6.99	0.00		
			Edge_1RB_Left	0.500	2.500	20.00	6.99	0.00		
			Edge_1RB_Right	0.500	2.500	20.00	6.99	0.00		
			Outer_Full	0.502	2.500	20.08	6.97	0.00		
			Inner_Full	0.502	2.500	20.08	6.97	0.00		



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		Outer_Full	0.502	2.500	20.08	6.97	0.08	
		Inner_Full	0.502	2.500	20.08	6.97	0.00	
		Inner_1RB_Left	0.500	2.500	20.00	6.99	0.00	
		Inner_1RB_Right	0.500	2.500	20.00	6.99	0.00	
	3669.99		Edge_1RB_Left	0.502	2.500	20.08	6.97	0.00
			Edge_1RB_Right	0.500	2.500	20.00	6.99	0.08
			Outer_Full	0.502	2.500	20.08	6.97	0.00
			Inner_Full	0.502	2.500	20.08	6.97	0.00
			Inner_1RB_Left	0.500	2.500	20.00	6.99	0.00
			Inner_1RB_Right	0.500	2.500	20.00	6.99	0.00
			Edge_1RB_Left	0.502	2.500	20.08	6.97	0.08
			Edge_1RB_Right	0.500	2.500	20.00	6.99	0.00
CP-OFDM 16 QAM	3580.02	Edge_1RB_Left	0.502	2.500	20.08	6.97	0.08	
		Edge_1RB_Right	0.500	2.500	20.00	6.99	0.00	
		Outer_Full	0.502	2.500	20.08	6.97	0.00	
		Inner_Full	0.502	2.500	20.08	6.97	0.00	
		Inner_1RB_Left	0.502	2.500	20.08	6.97	0.00	
		Inner_1RB_Right	0.502	2.500	20.08	6.97	0.00	
	3624.99		Edge_1RB_Left	0.502	2.500	20.08	6.97	0.00
			Edge_1RB_Right	0.500	2.500	20.00	6.99	0.00
			Outer_Full	0.502	2.500	20.08	6.97	0.00
			Inner_Full	0.502	2.500	20.08	6.97	0.00
			Inner_1RB_Left	0.502	2.500	20.08	6.97	0.00
			Inner_1RB_Right	0.500	2.500	20.00	6.99	0.08
	3669.99		Edge_1RB_Left	0.500	2.500	20.00	6.99	0.00
			Edge_1RB_Right	0.500	2.500	20.00	6.99	0.00
			Outer_Full	0.502	2.500	20.08	6.97	0.08
			Inner_Full	0.502	2.500	20.08	6.97	0.00
			Inner_1RB_Left	0.502	2.500	20.08	6.97	0.00
			Inner_1RB_Right	0.502	2.500	20.08	6.97	0.00
	CP-OFDM 64 QAM	3580.02	Edge_1RB_Left	0.502	2.500	20.08	6.97	0.00
			Edge_1RB_Right	0.502	2.500	20.08	6.97	0.00
			Outer_Full	0.502	2.500	20.08	6.97	0.00
			Inner_Full	0.502	2.500	20.08	6.97	0.00
			Inner_1RB_Left	0.502	2.500	20.08	6.97	0.00
			Inner_1RB_Right	0.500	2.500	20.00	6.99	0.00
3624.99			Edge_1RB_Left	0.502	2.500	20.08	6.97	0.00
			Edge_1RB_Right	0.500	2.500	20.00	6.99	0.00
			Outer_Full	0.504	2.500	20.16	6.96	0.00
			Inner_Full	0.502	2.500	20.08	6.97	0.08
			Inner_1RB_Left	0.500	2.500	20.00	6.99	0.00
			Inner_1RB_Right	0.502	2.500	20.08	6.97	0.00
3669.99			Edge_1RB_Left	0.502	2.500	20.08	6.97	0.00
			Edge_1RB_Right	0.502	2.500	20.08	6.97	0.00
			Outer_Full	0.502	2.500	20.08	6.97	0.00
			Inner_Full	0.502	2.500	20.08	6.97	0.08
			Inner_1RB_Left	0.500	2.500	20.00	6.99	0.08
			Inner_1RB_Right	0.500	2.500	20.00	6.99	0.00
CP-OFDM 256 QAM		3580.02	Edge_1RB_Left	0.502	2.500	20.08	6.97	0.00
			Edge_1RB_Right	0.500	2.500	20.00	6.99	0.00
			Outer_Full	0.502	2.500	20.08	6.97	0.08
			Inner_Full	0.504	2.500	20.16	6.96	0.00
			Inner_1RB_Left	0.500	2.500	20.00	6.99	0.08
			Inner_1RB_Right	0.500	2.500	20.00	6.99	0.00
	3624.99		Edge_1RB_Left	0.502	2.500	20.08	6.97	0.00
			Edge_1RB_Right	0.502	2.500	20.08	6.97	0.00

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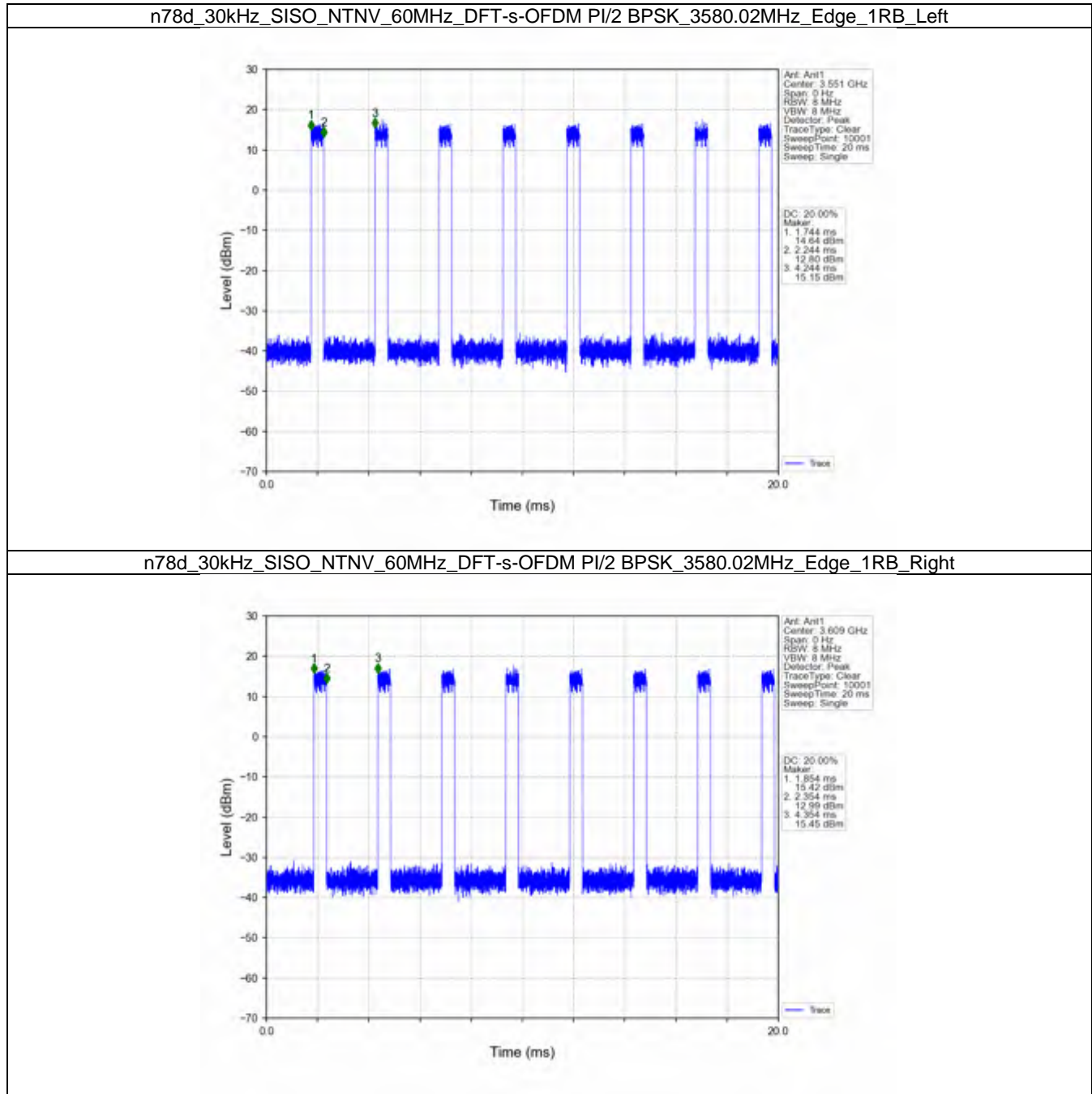
		Outer_Full	0.502	2.498	20.10	6.97	0.06
		Inner_Full	0.502	2.500	20.08	6.97	0.00
		Inner_1RB_Left	0.500	2.500	20.00	6.99	0.00
		Inner_1RB_Right	0.500	2.500	20.00	6.99	0.00
	3669.99	Edge_1RB_Left	0.500	2.500	20.00	6.99	0.00
			0.500	2.500	20.00	6.99	0.00
		Outer_Full	0.502	2.500	20.08	6.97	0.00
			0.502	2.500	20.08	6.97	0.02
		Inner_1RB_Left	0.502	2.500	20.08	6.97	0.00
			0.500	2.500	20.00	6.99	0.00



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1.15.2 Test Graph

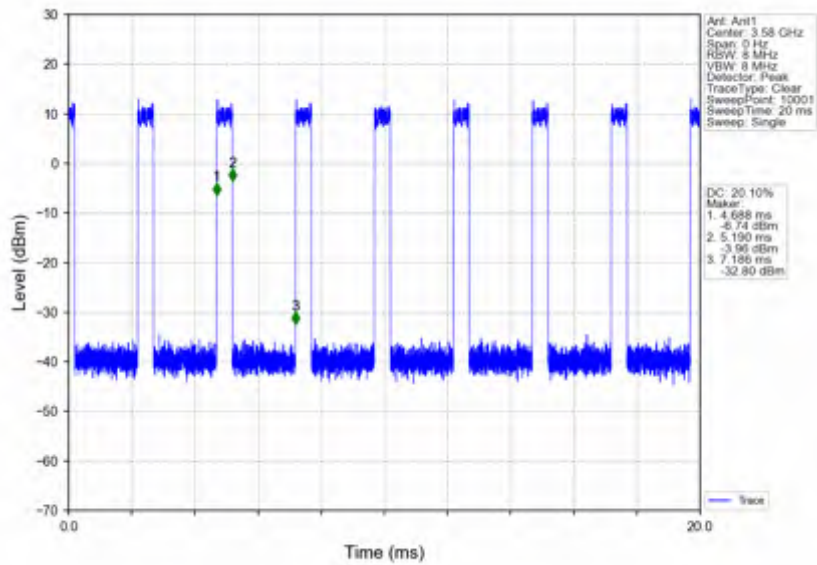


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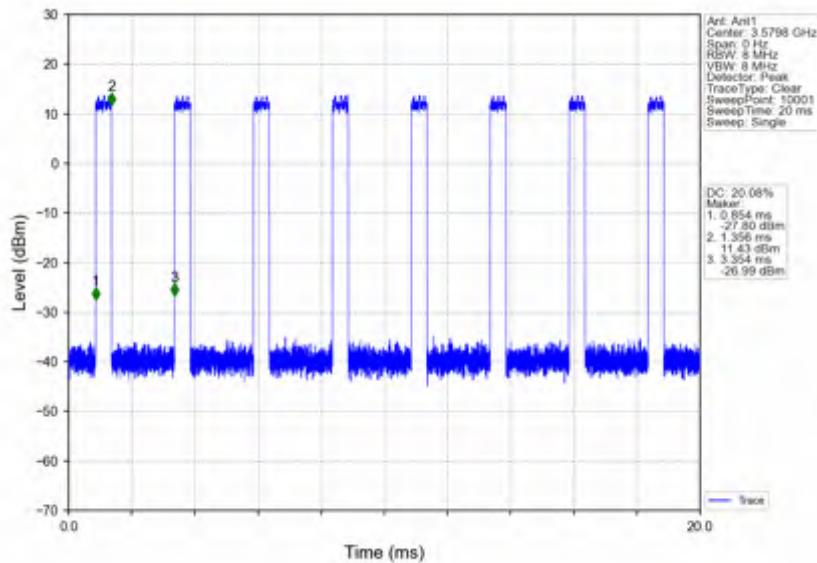
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n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM PI/2 BPSK_3580.02MHz_Outer_Full



n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM PI/2 BPSK_3580.02MHz_Inner_Full

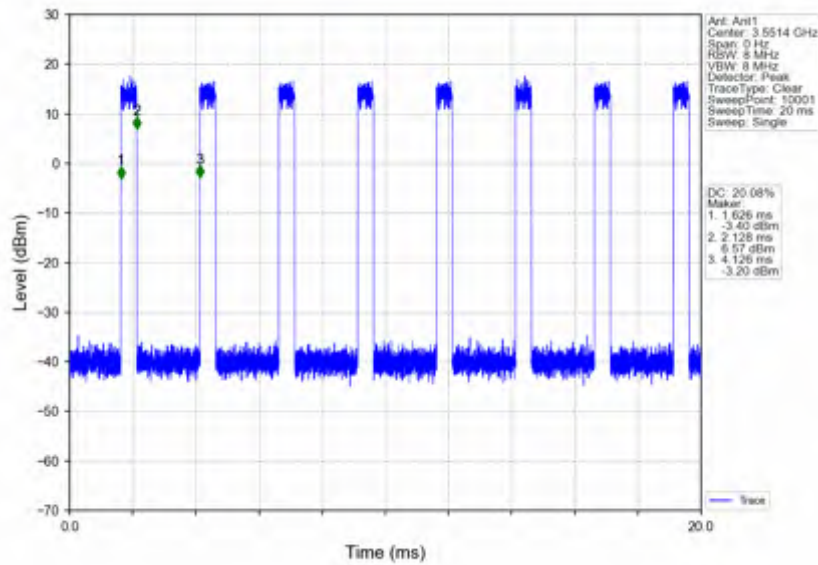


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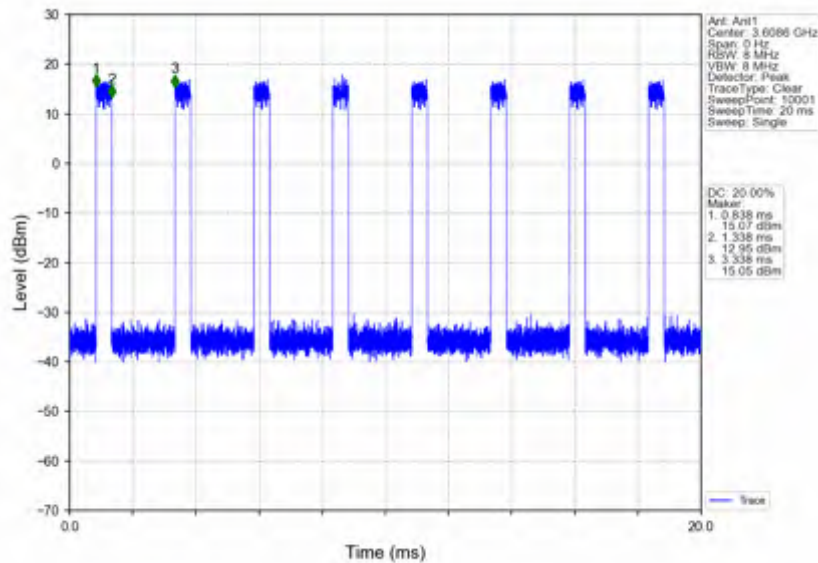
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n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM PI/2 BPSK_3580.02MHz_Inner_1RB_Left



n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM PI/2 BPSK_3580.02MHz_Inner_1RB_Right

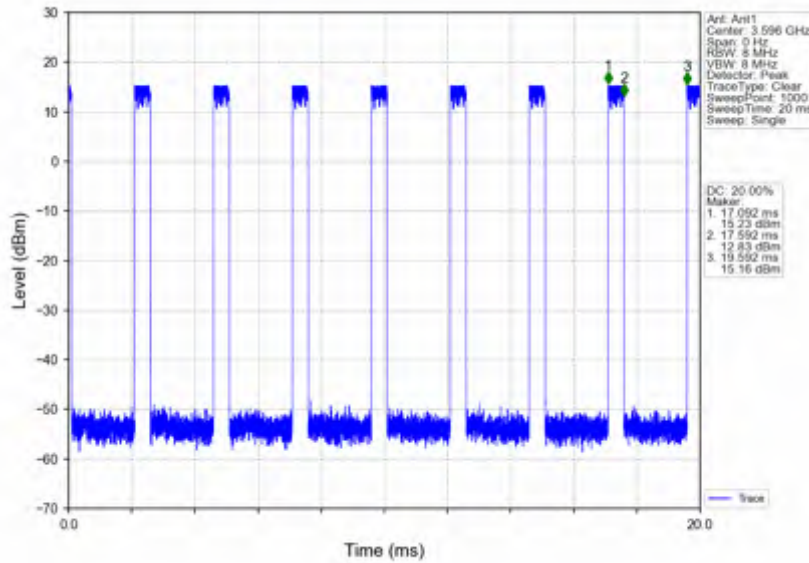


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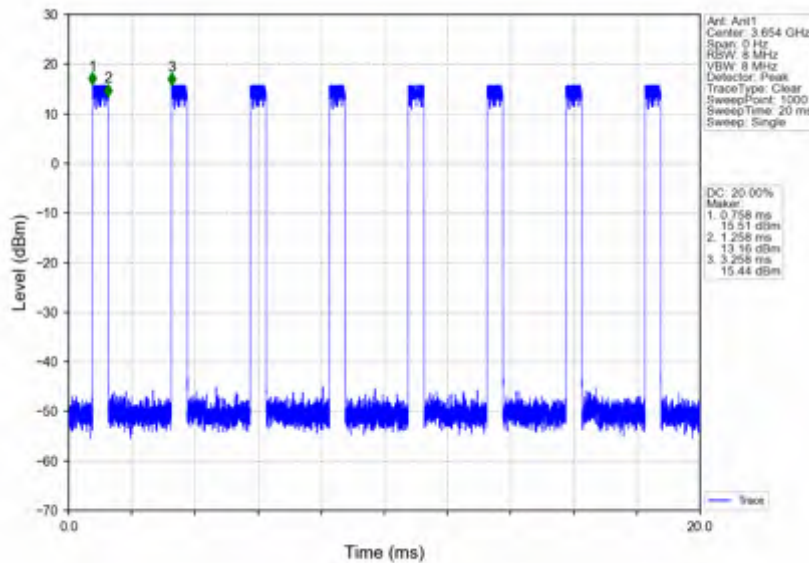
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n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Edge_1RB_Left



n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Edge_1RB_Right



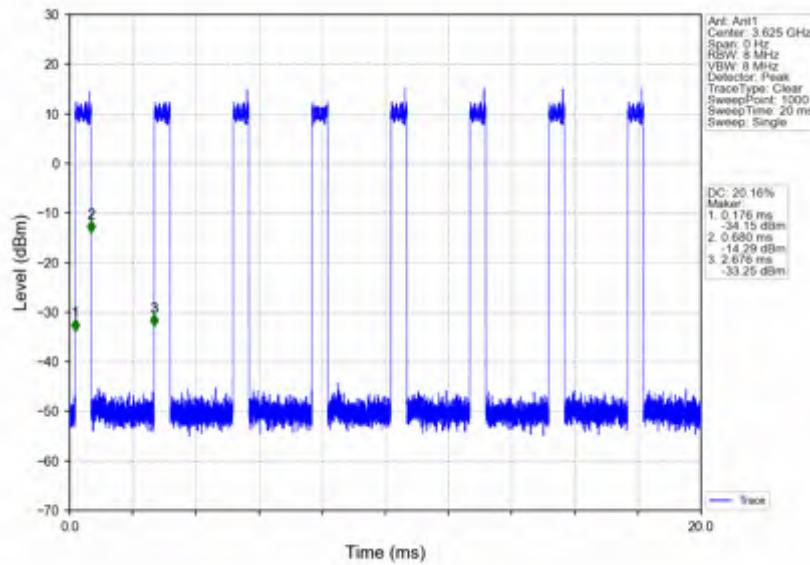
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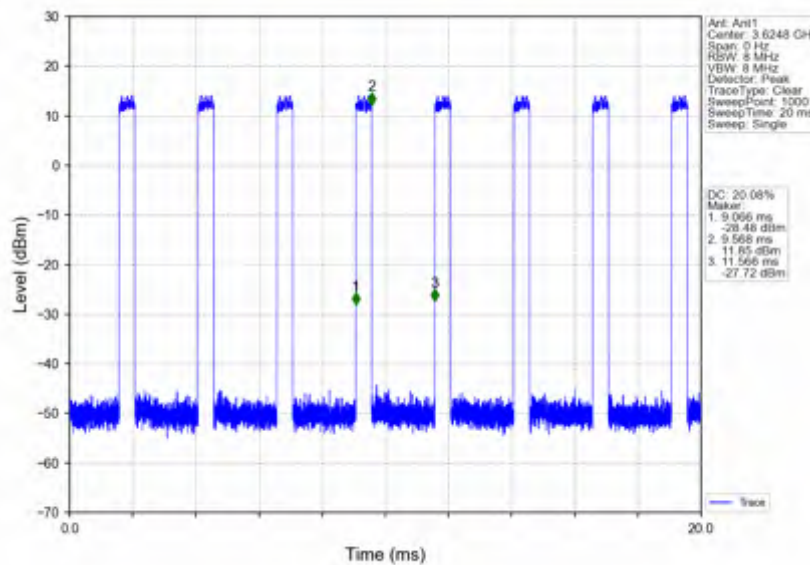
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n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Outer_Full



n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Inner_Full



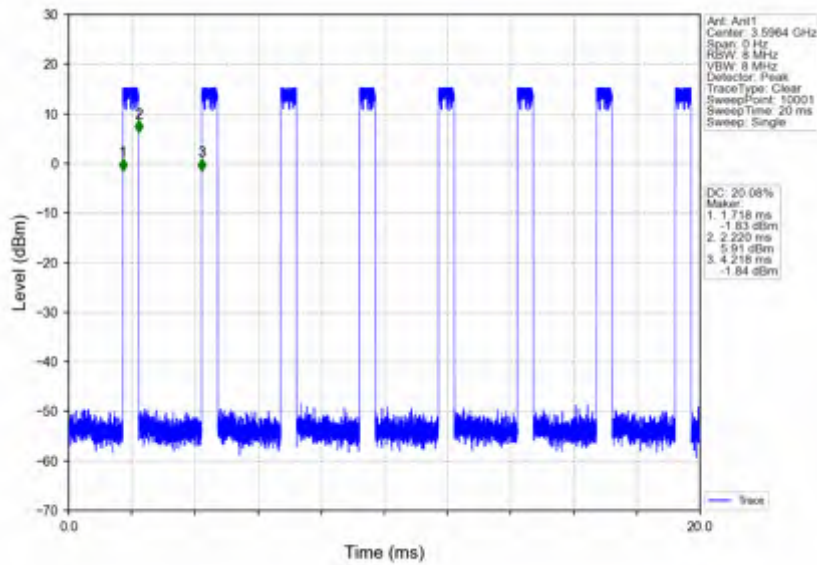
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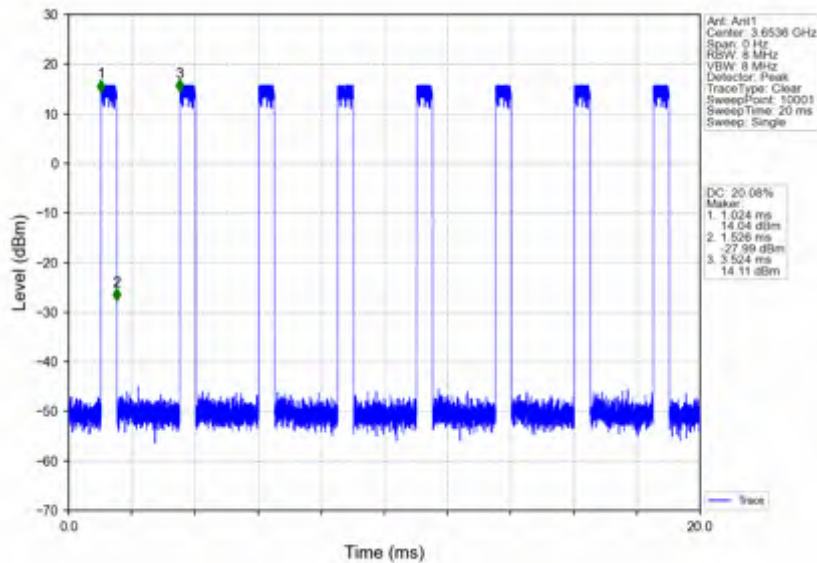
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n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Inner_1RB_Left



n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Inner_1RB_Right

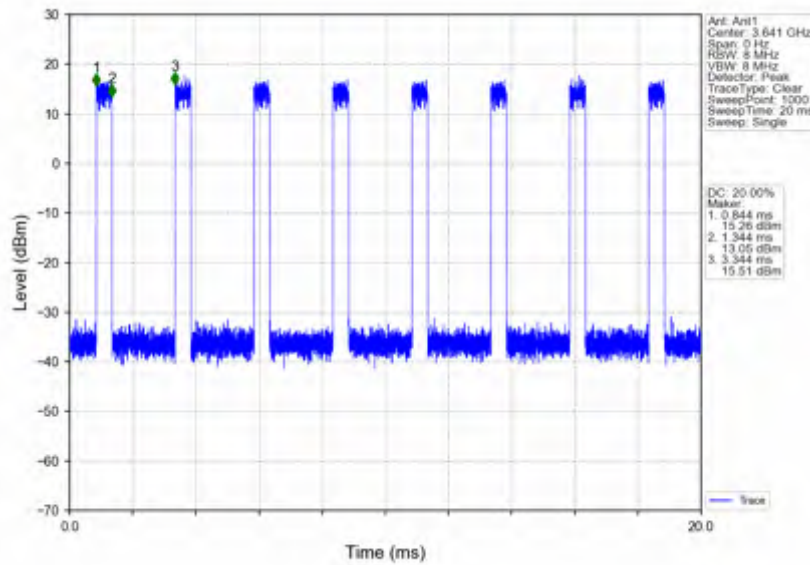


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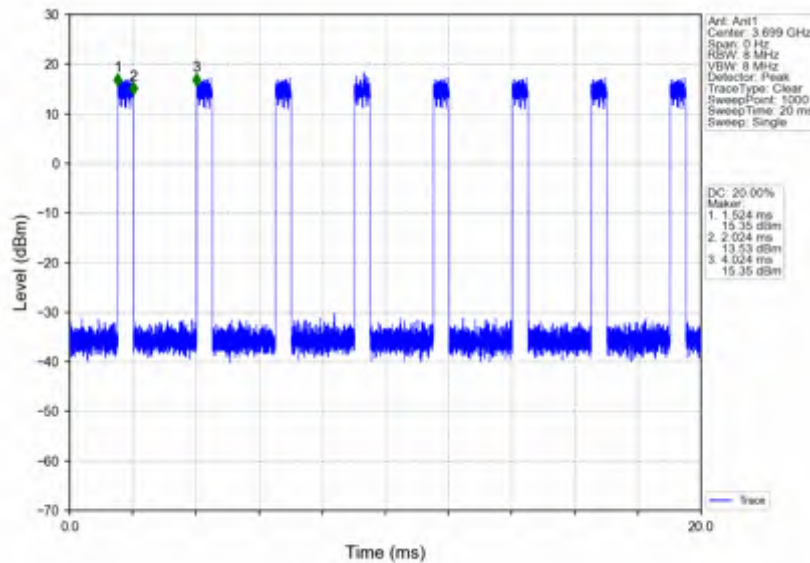
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n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM PI/2 BPSK_3669.99MHz_Edge_1RB_Left



n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM PI/2 BPSK_3669.99MHz_Edge_1RB_Right

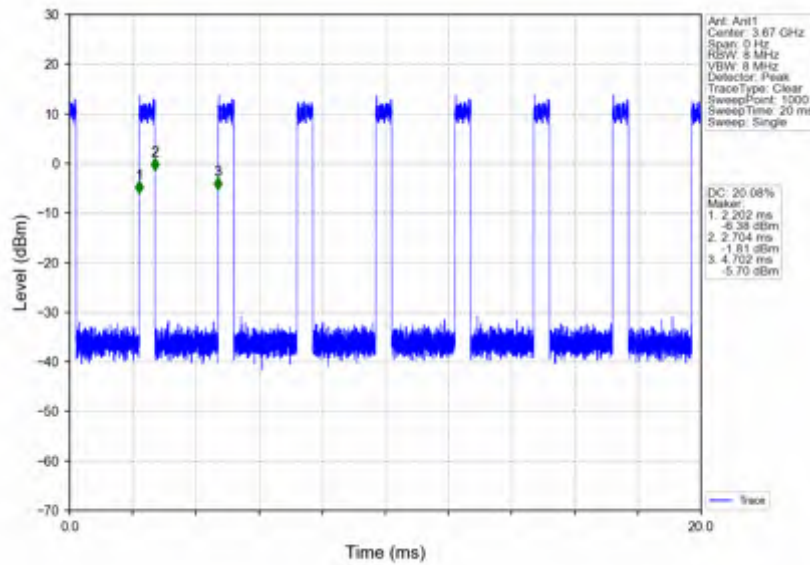


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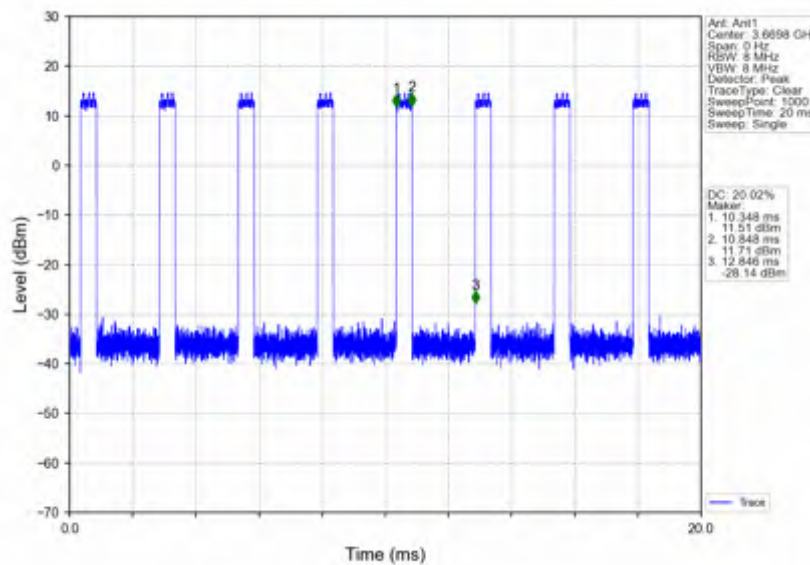
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n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM PI/2 BPSK_3669.99MHz_Outer_Full



n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM PI/2 BPSK_3669.99MHz_Inner_Full

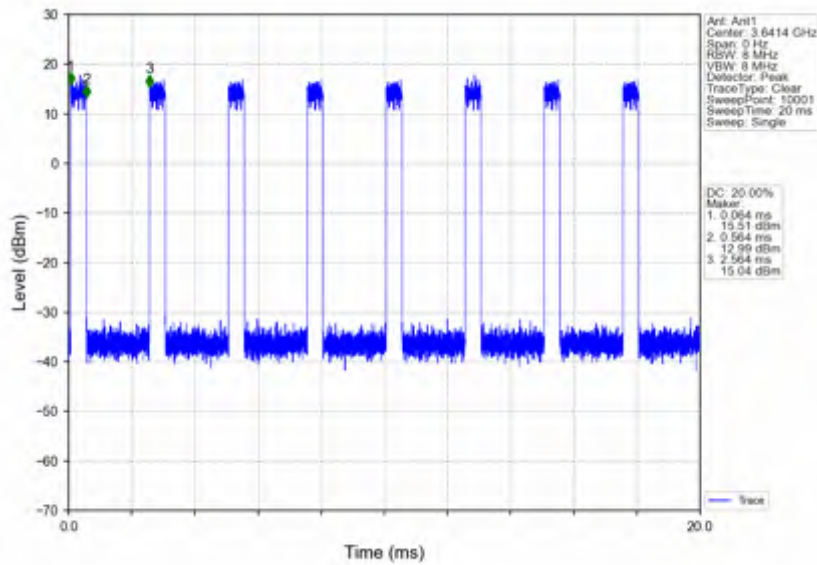


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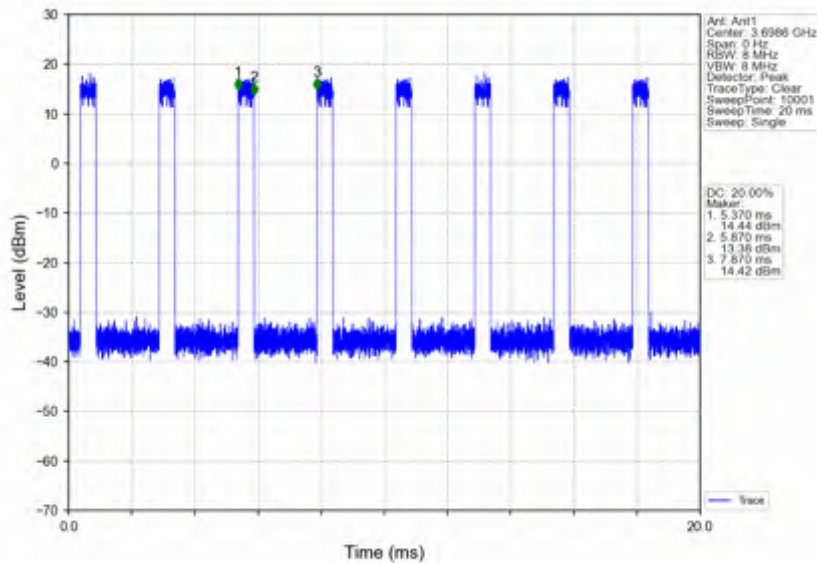
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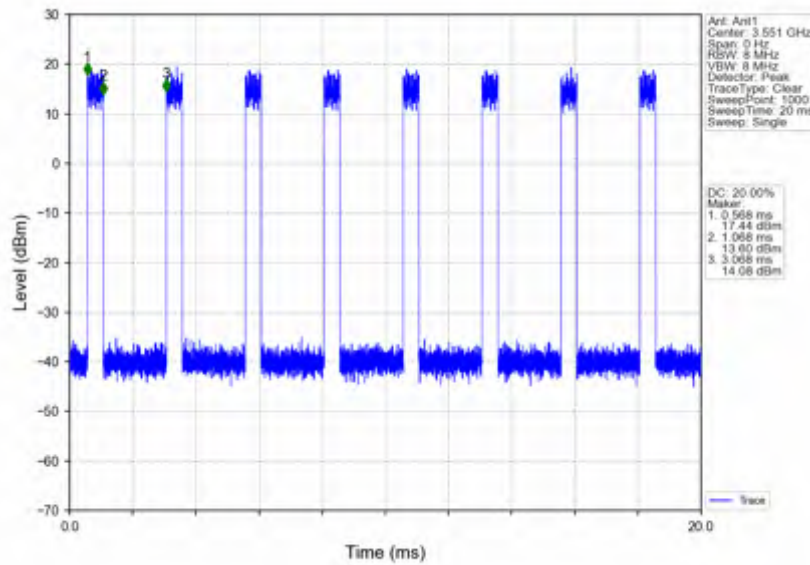
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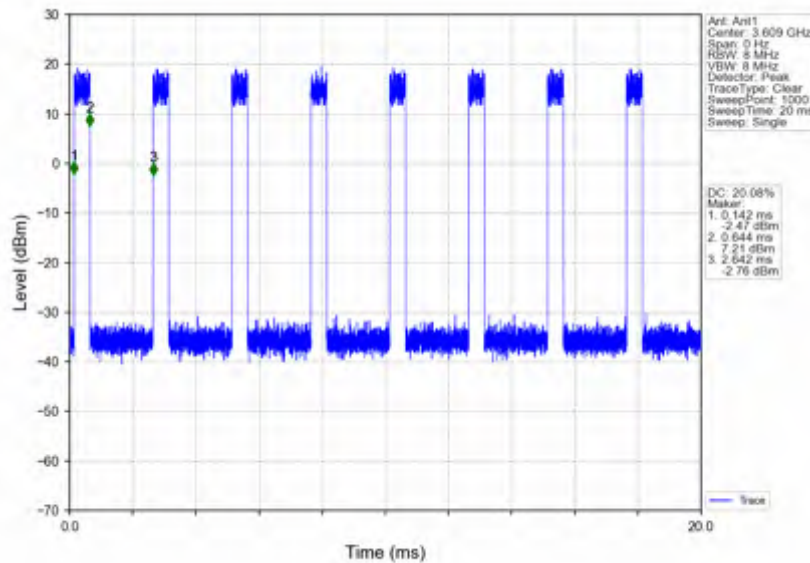
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n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM QPSK_3580.02MHz_Edge_1RB_Left



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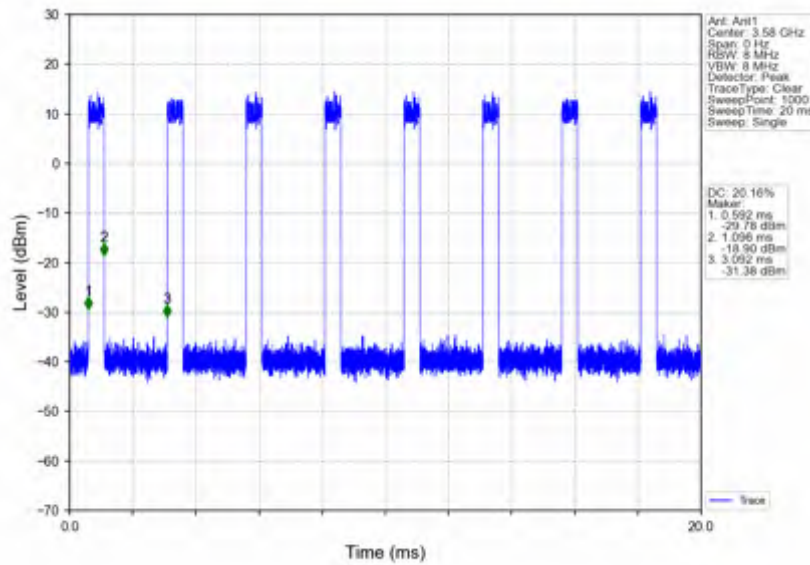
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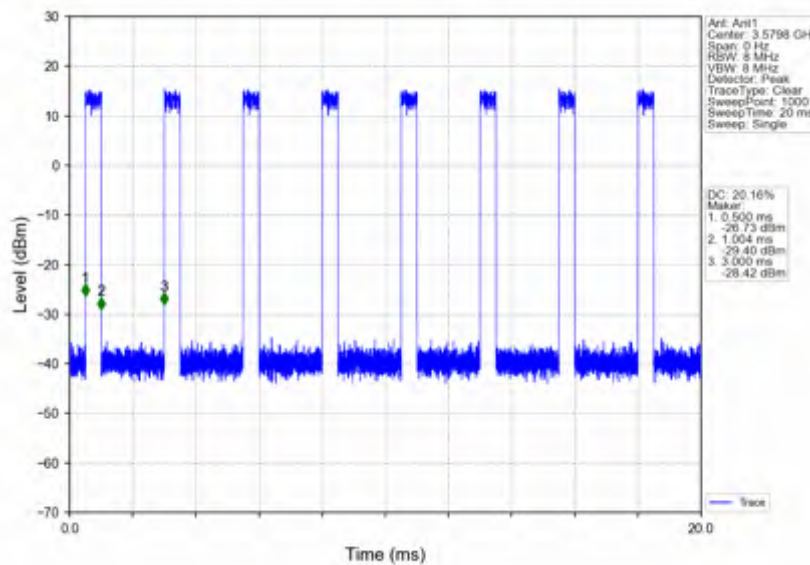
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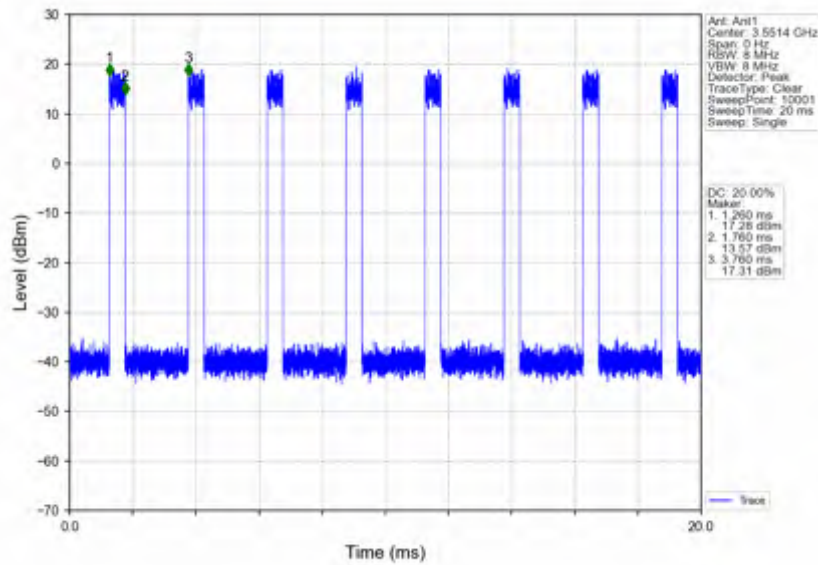


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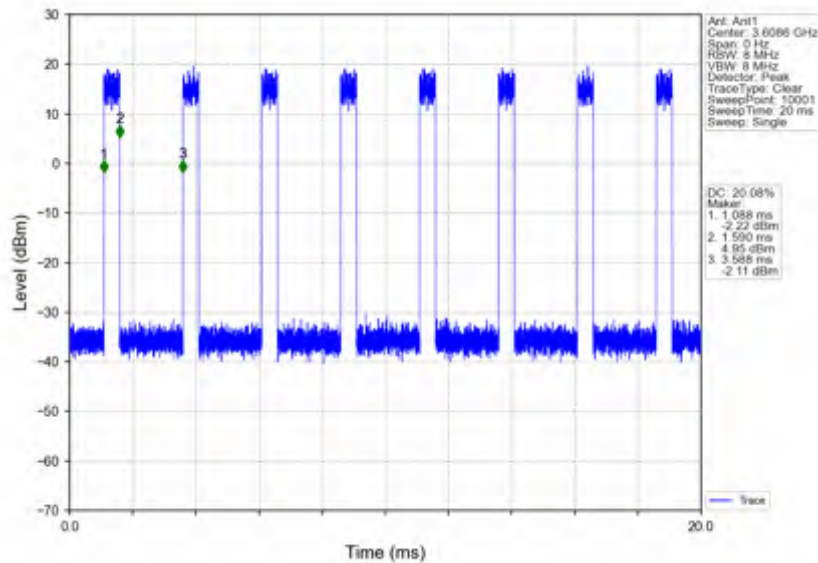
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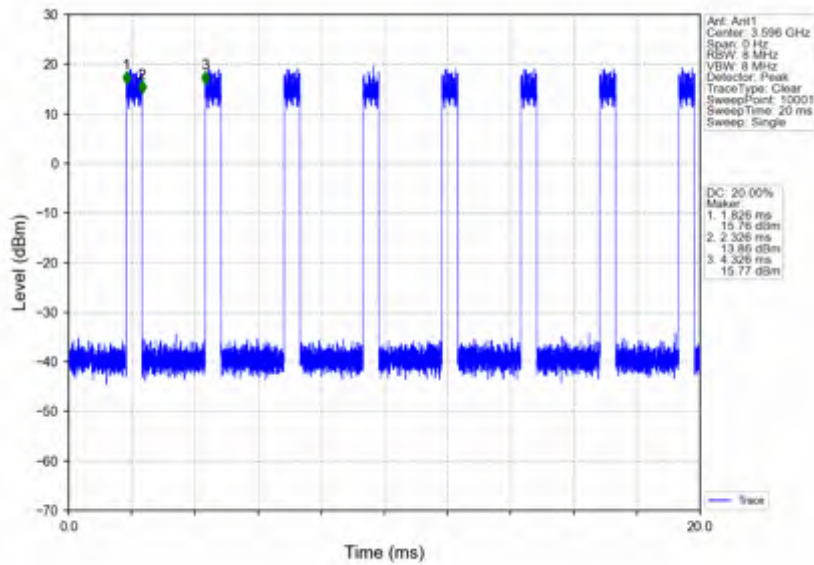
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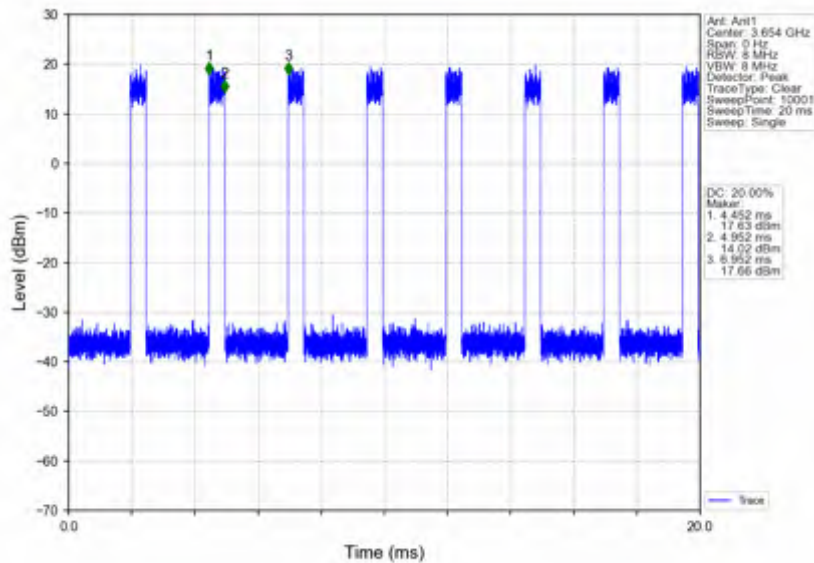
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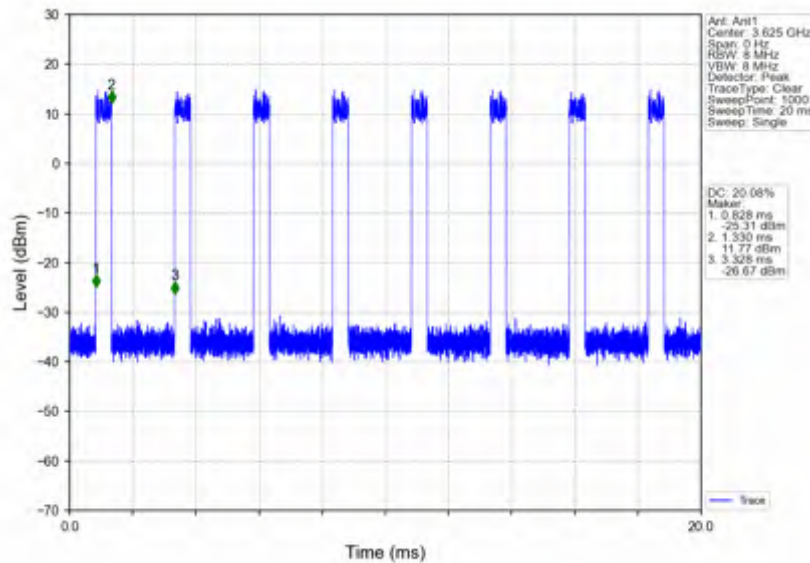
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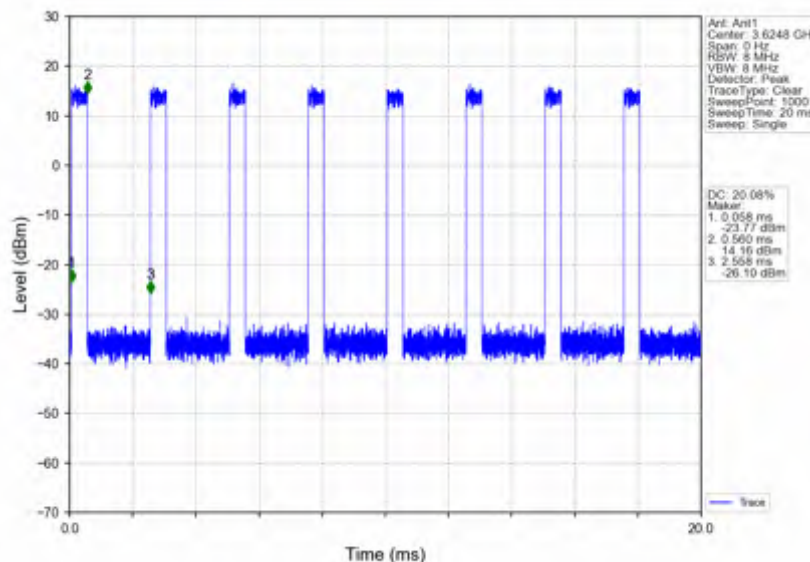
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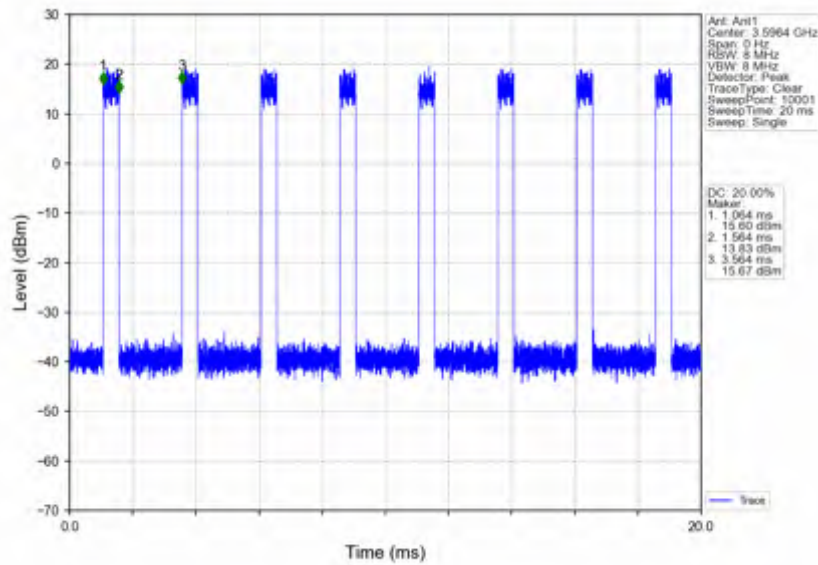
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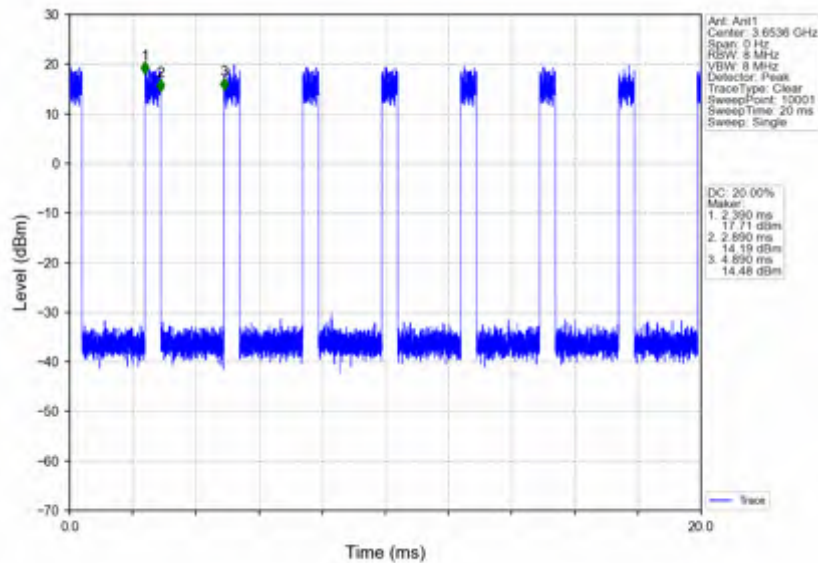
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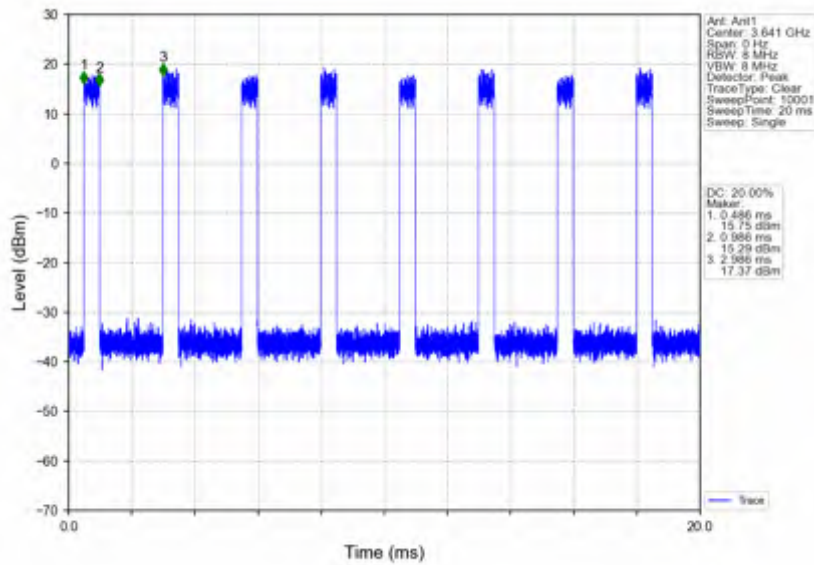


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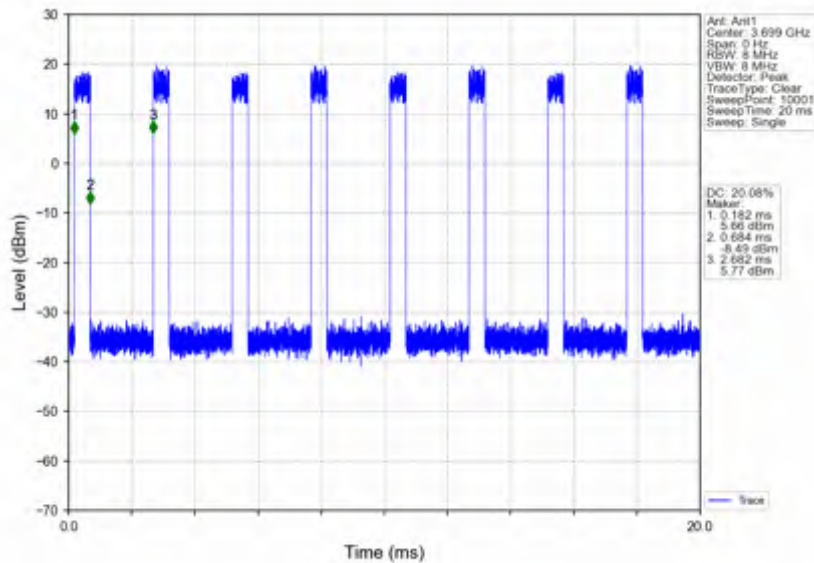
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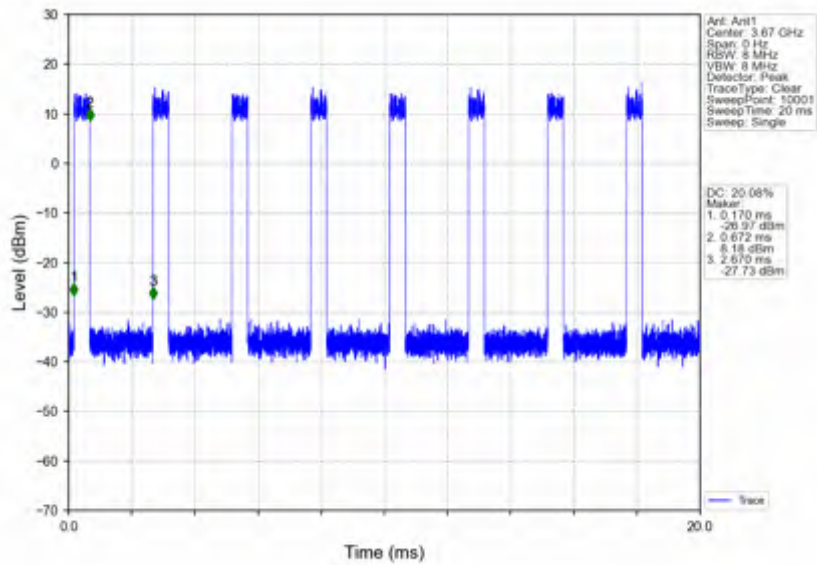
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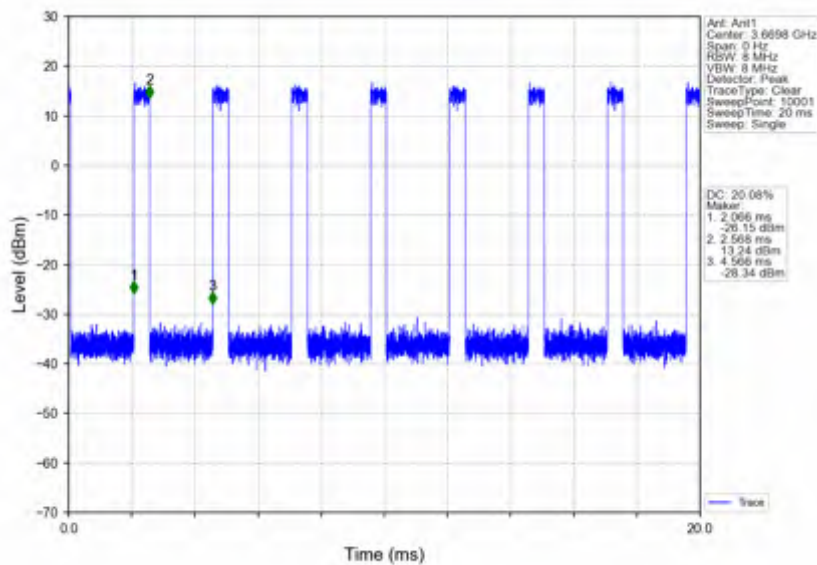
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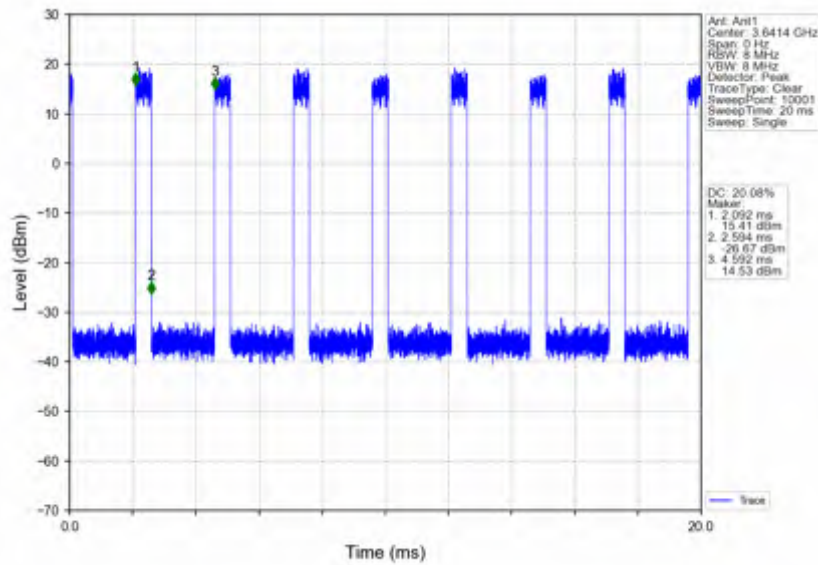
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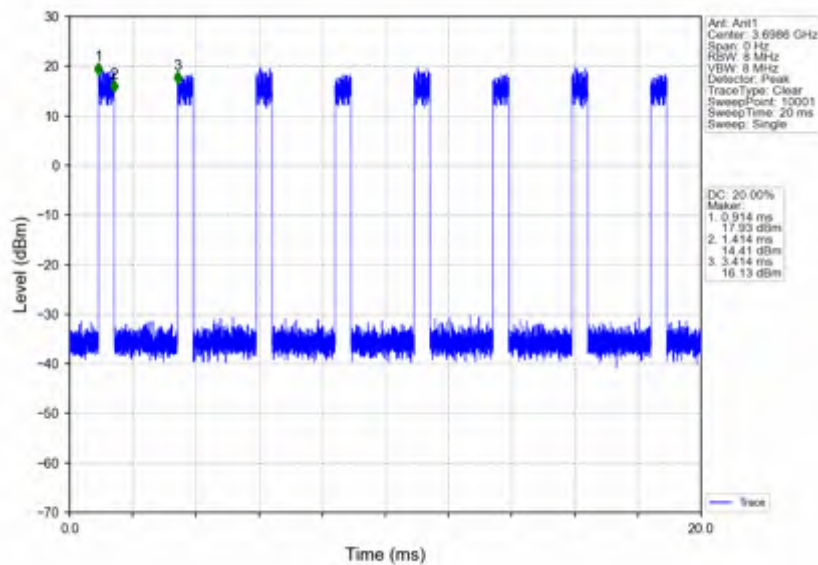
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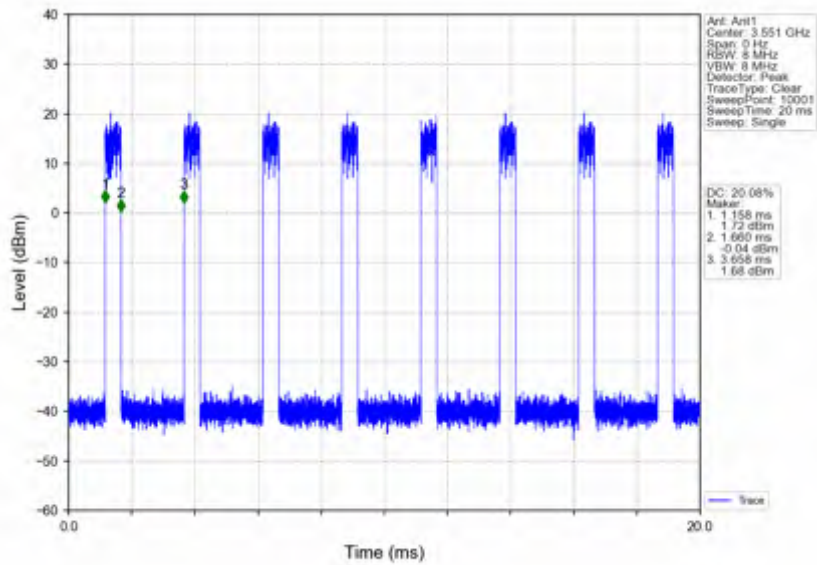
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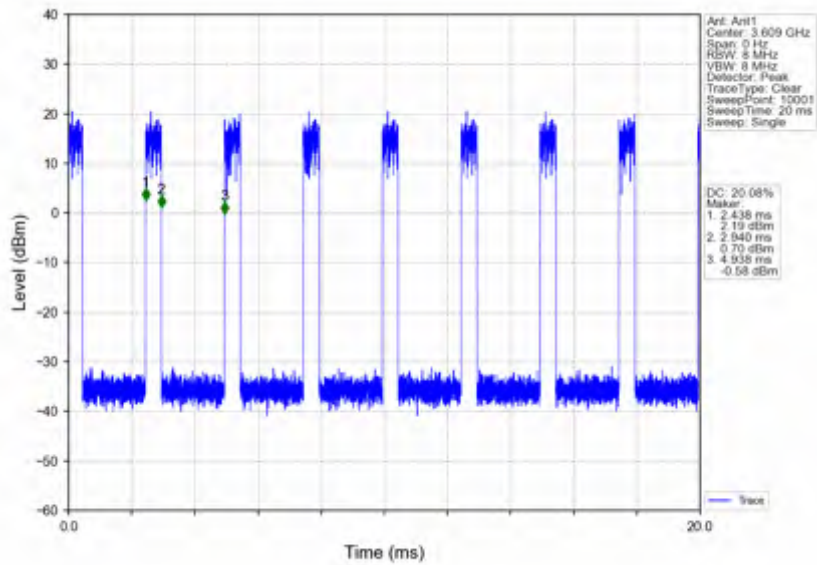
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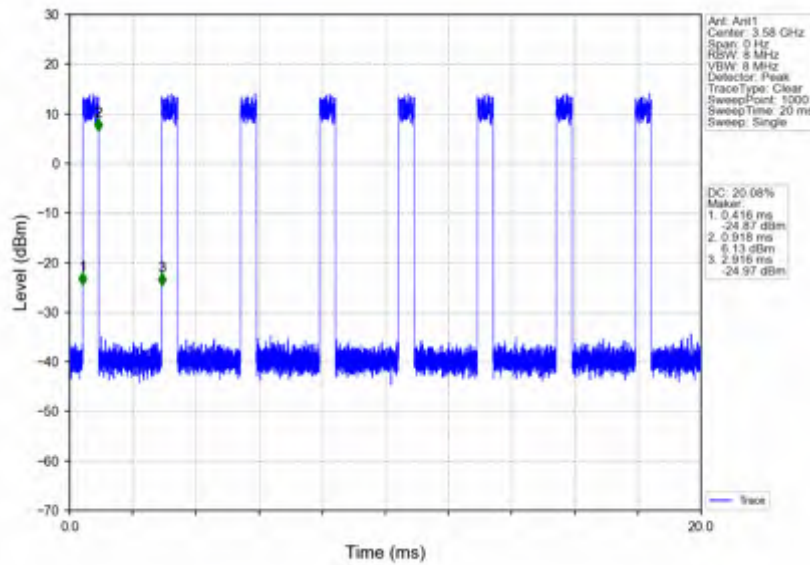
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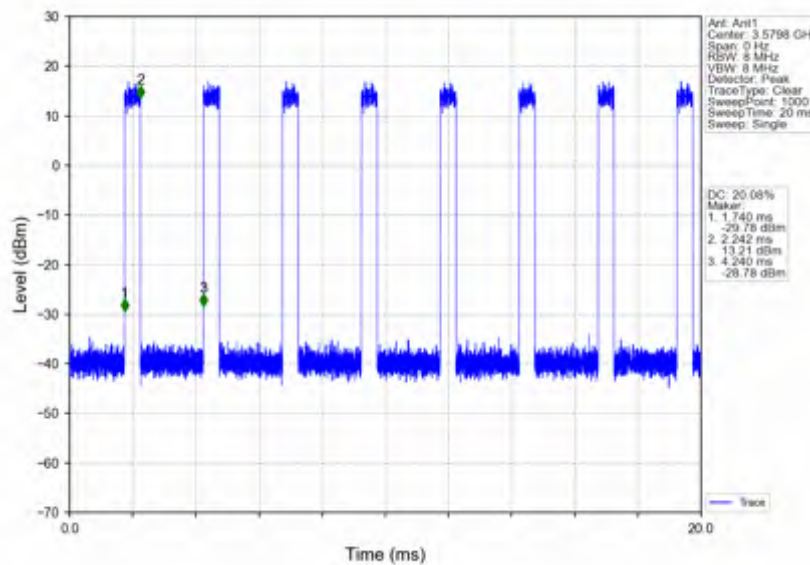
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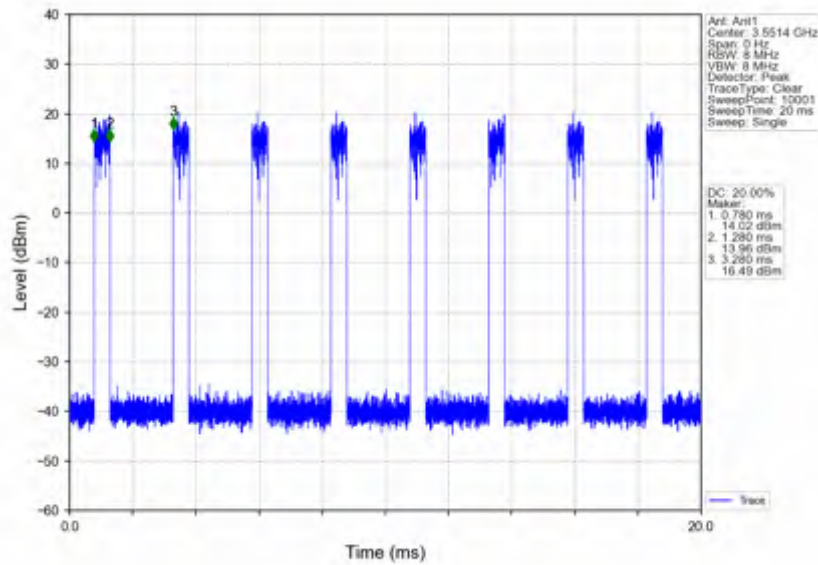


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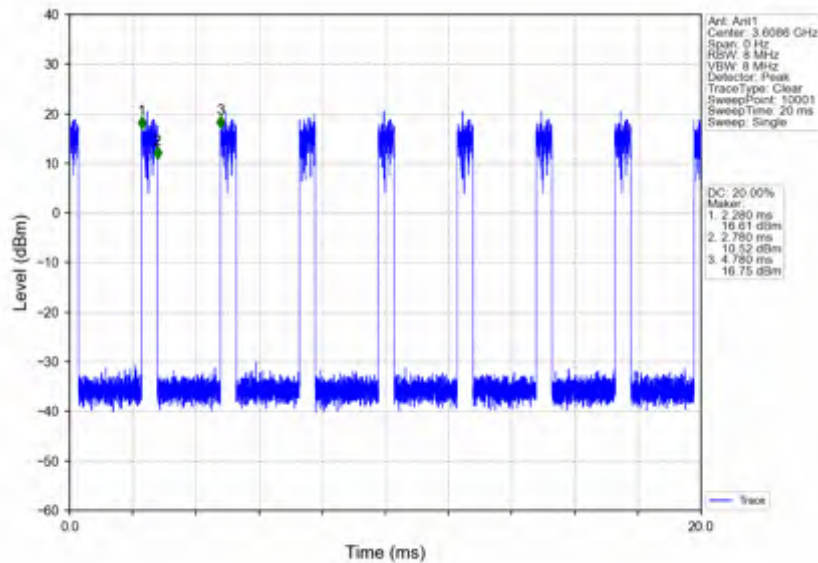
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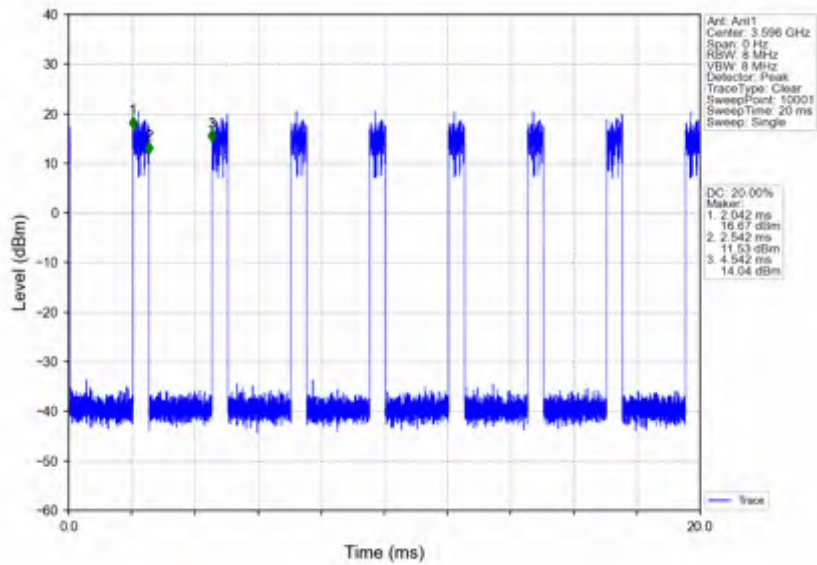
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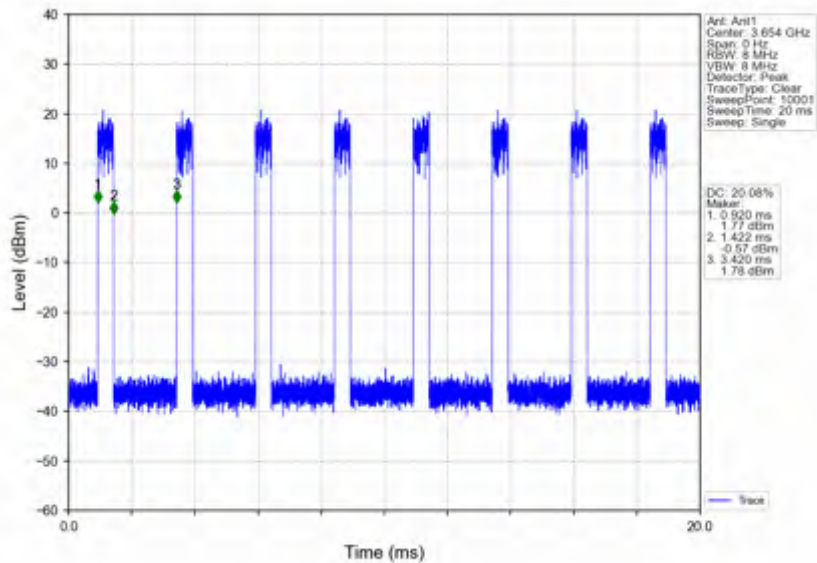
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n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_16 QAM_3624.99MHz_Edge_1RB_Left



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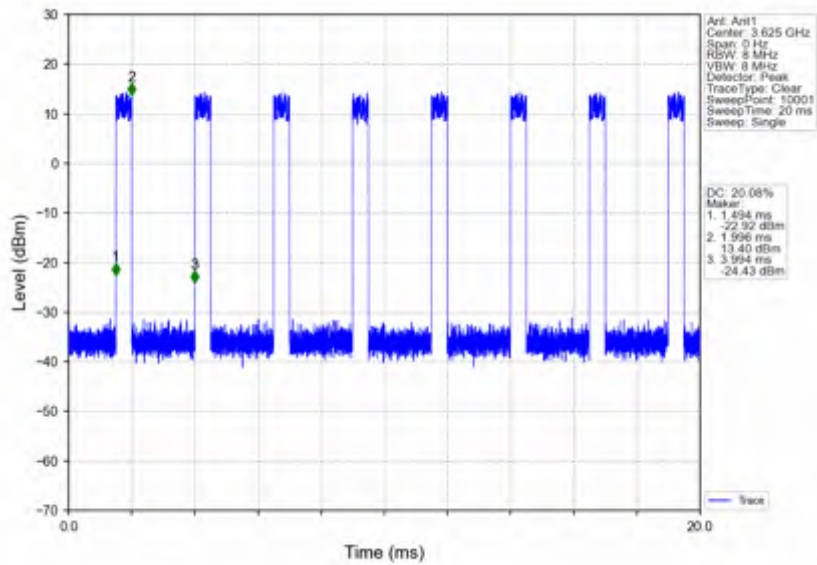
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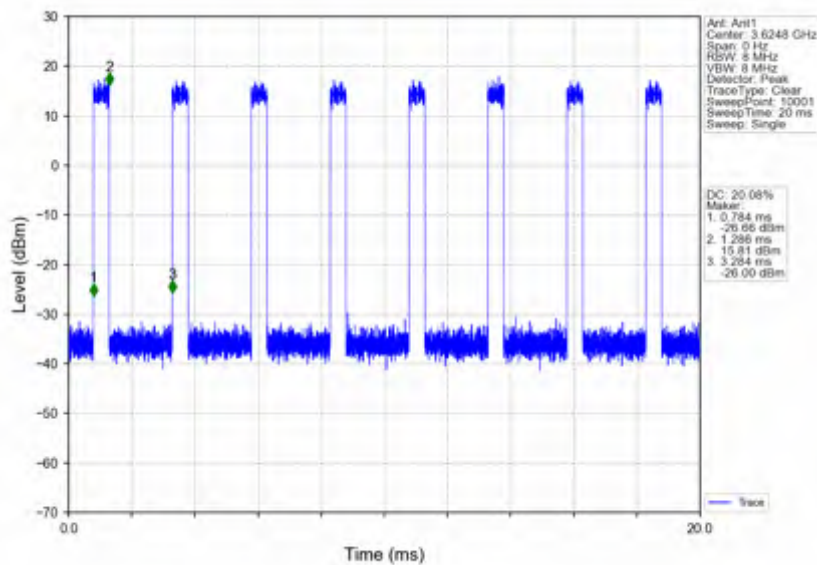
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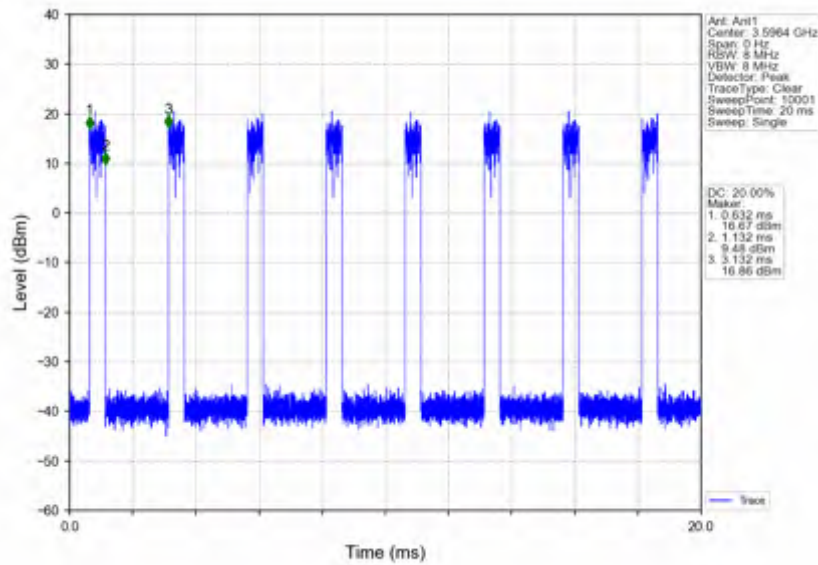
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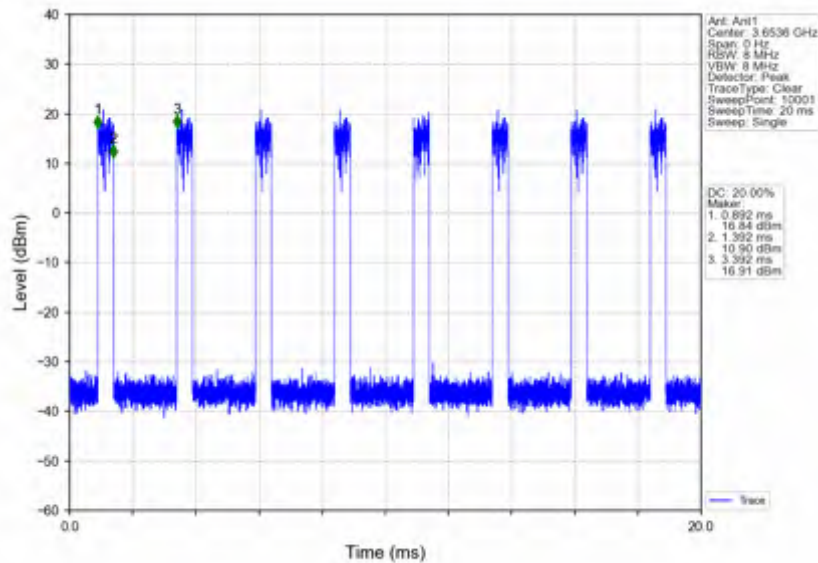
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n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM 16 QAM_3624.99MHz_Inner_1RB_Left



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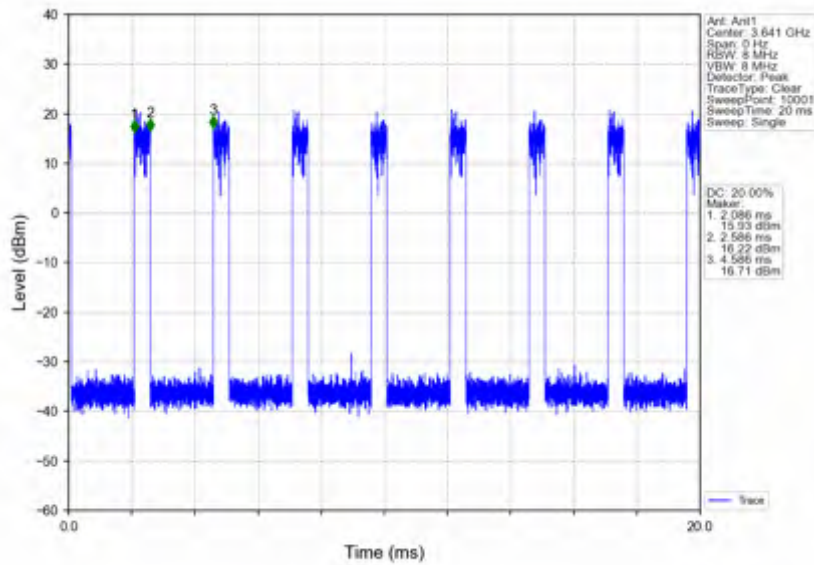


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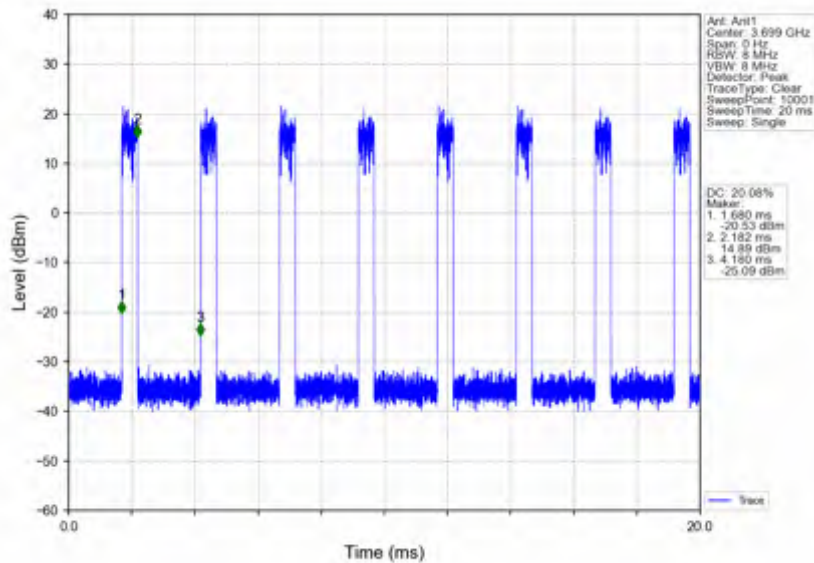
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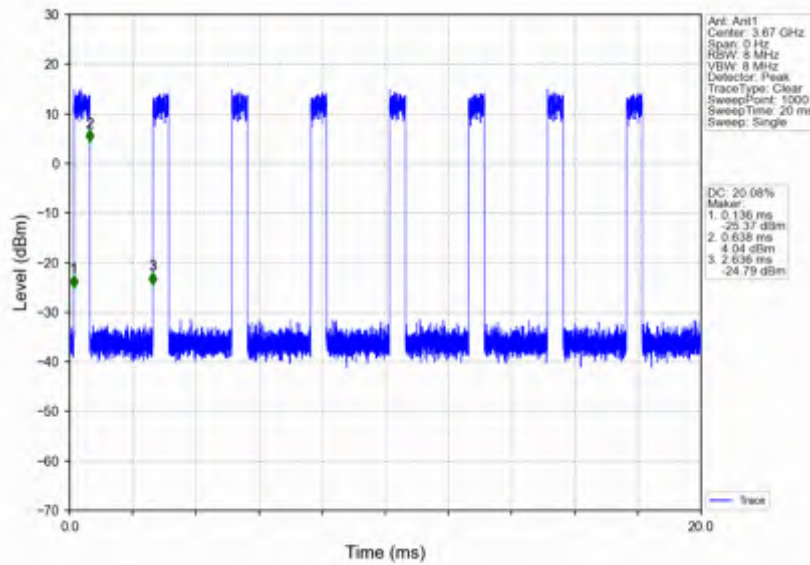


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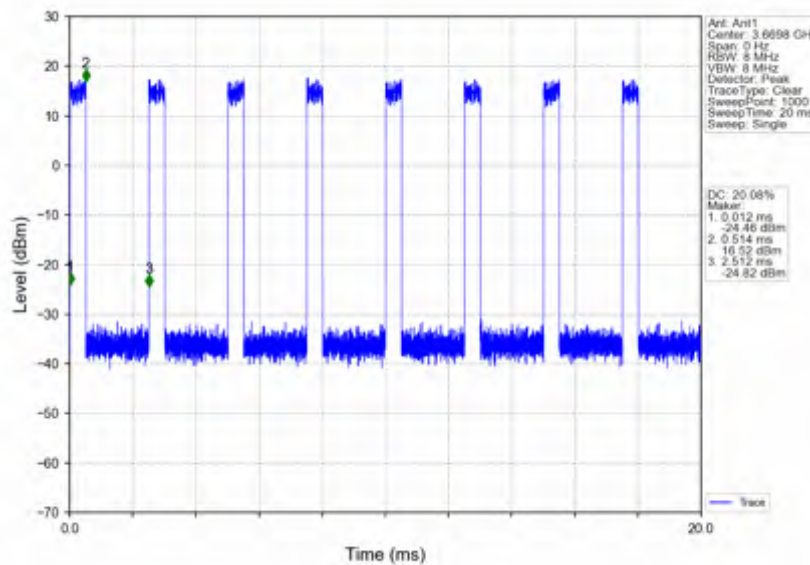
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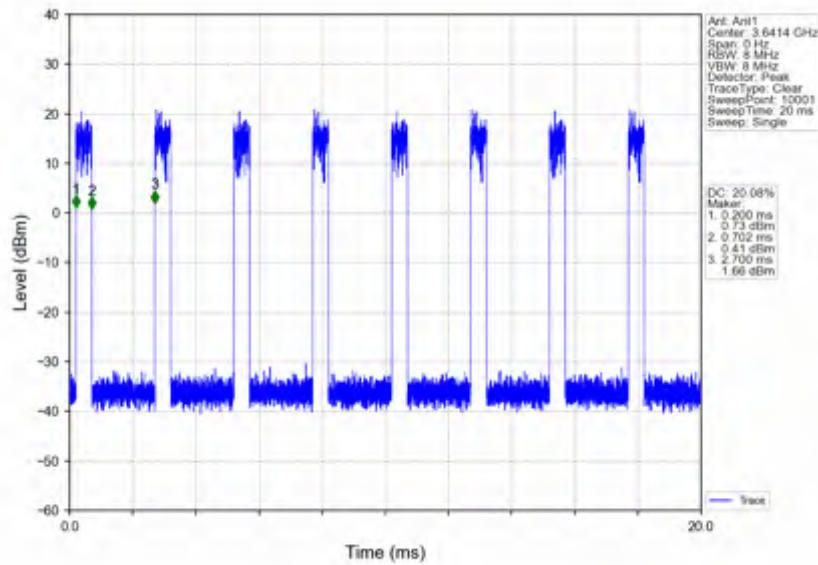
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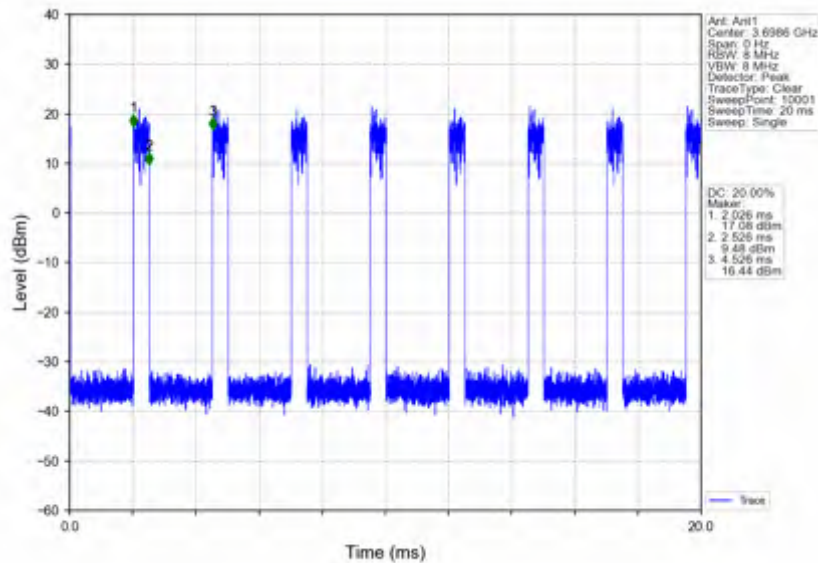
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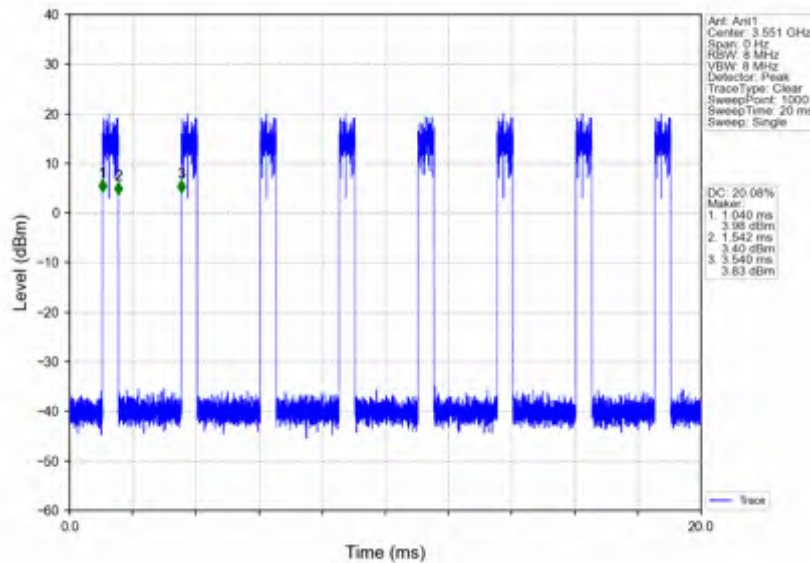
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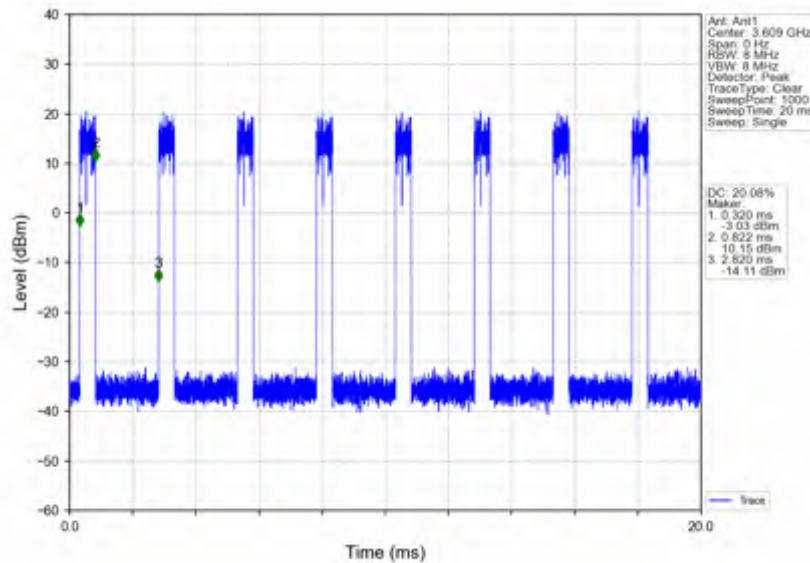
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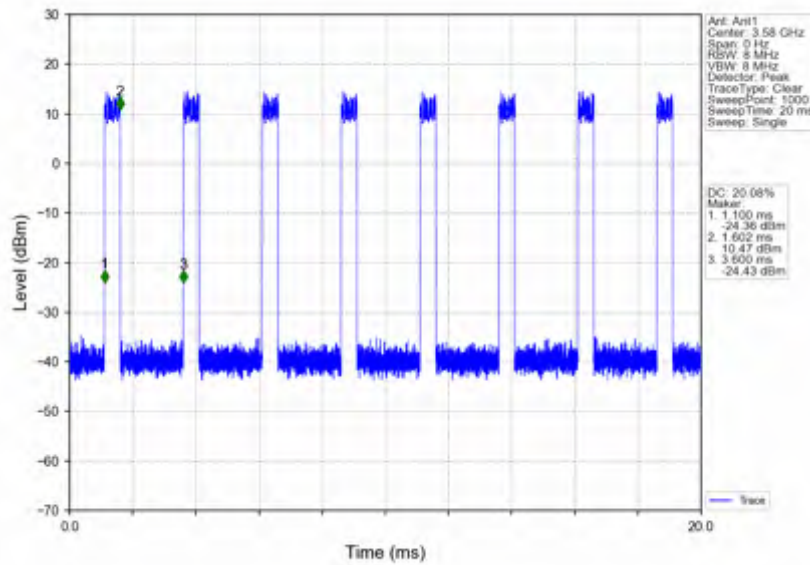
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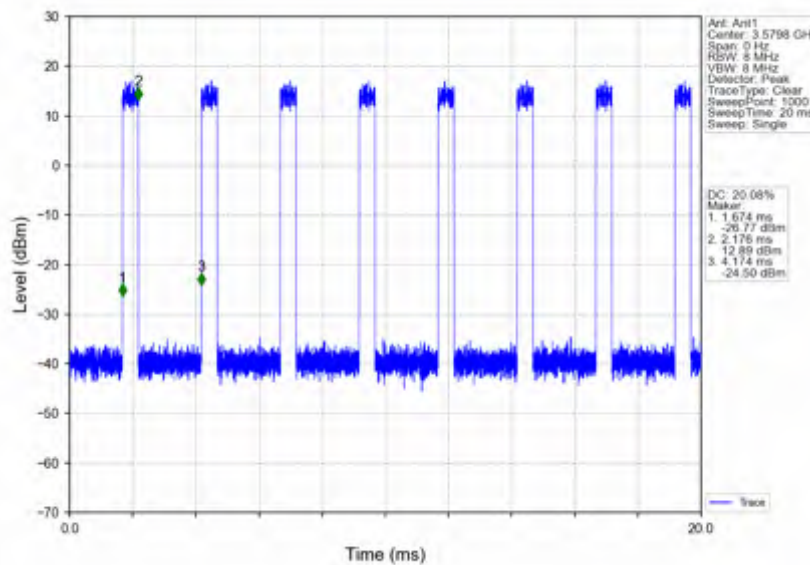
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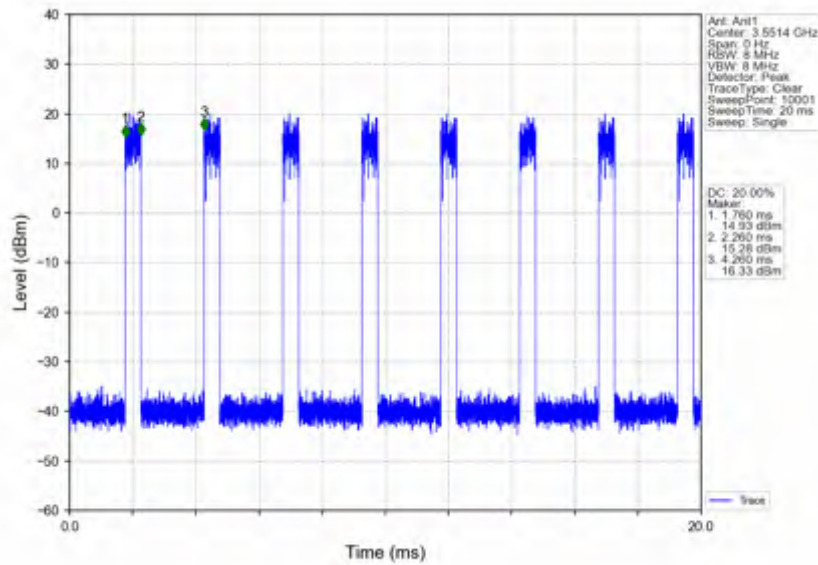
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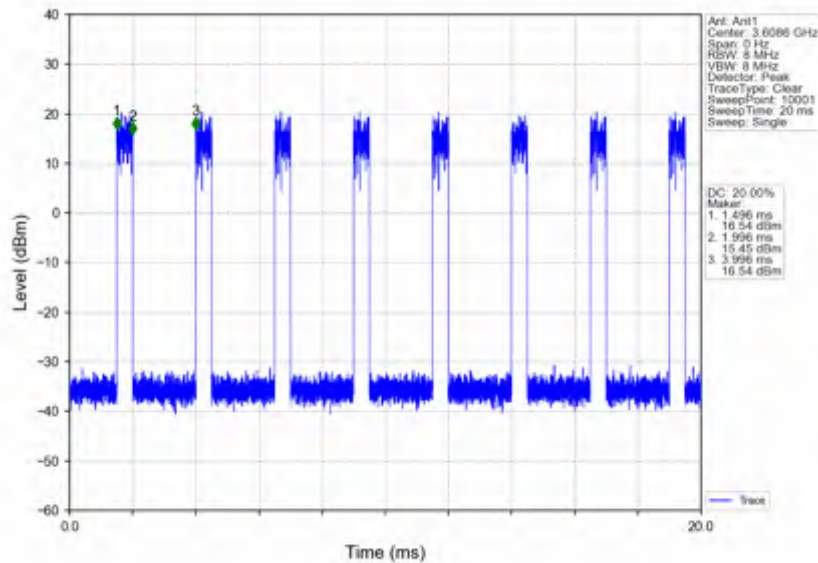
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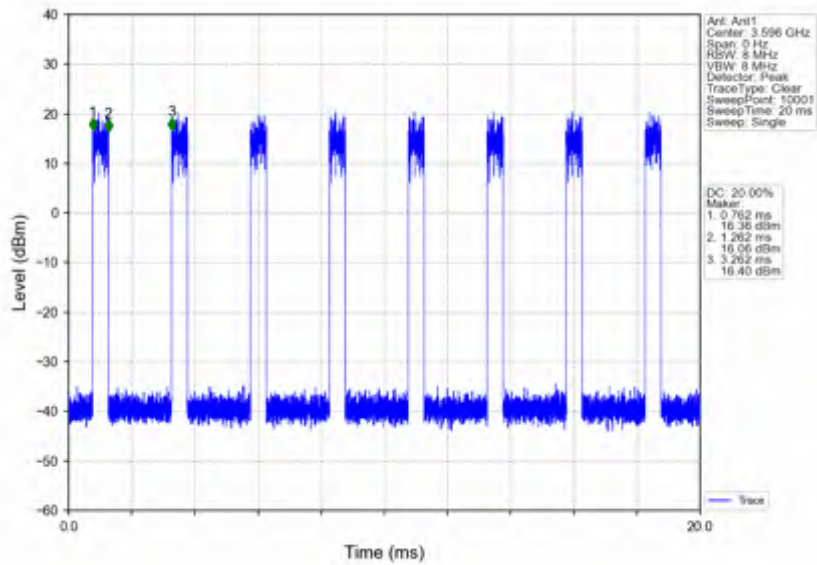


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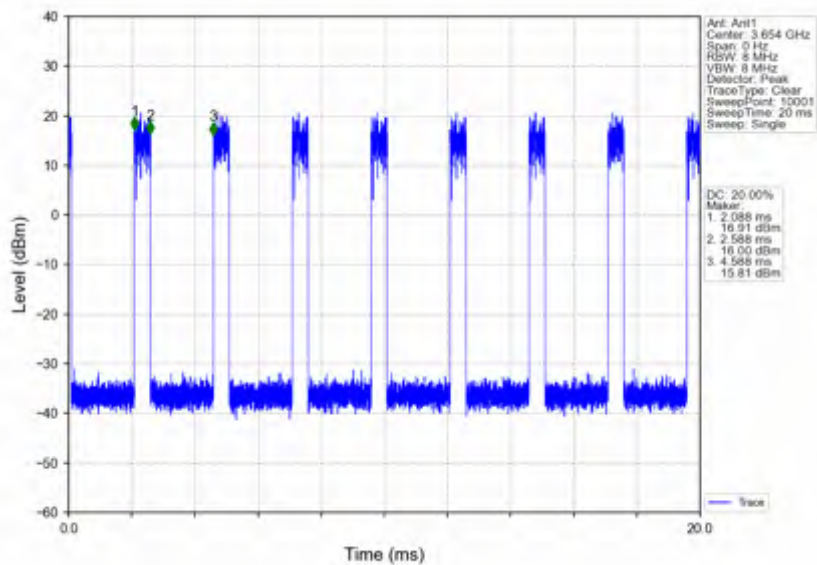
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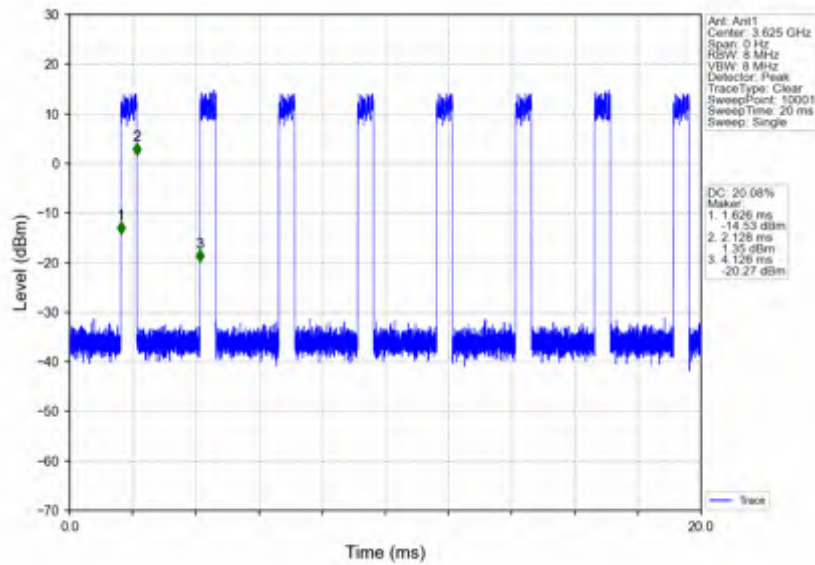
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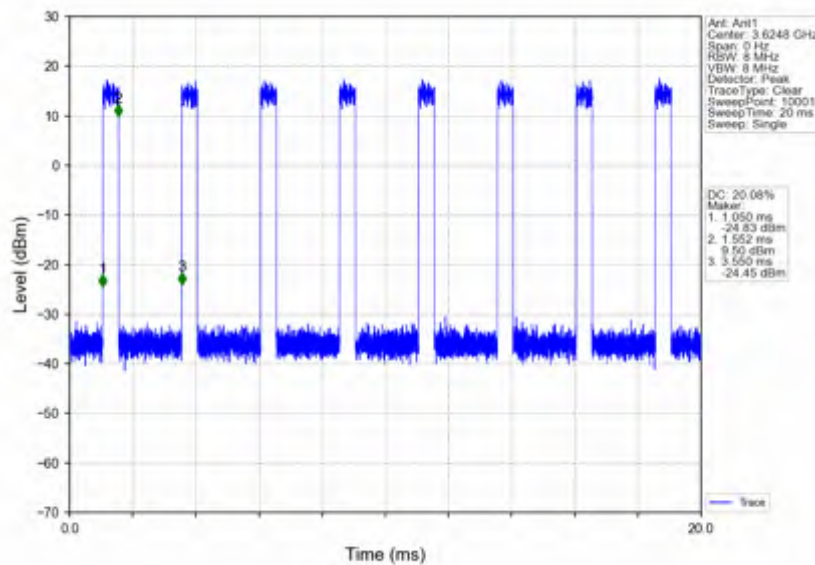
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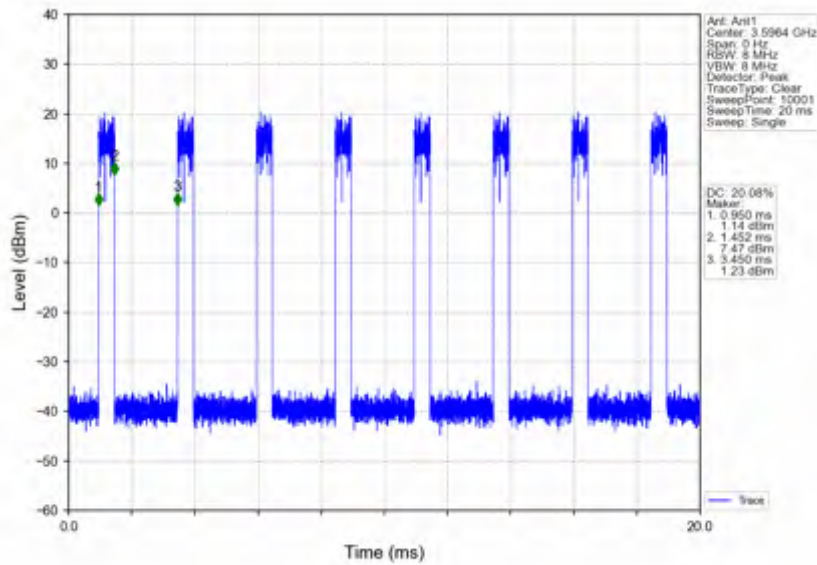
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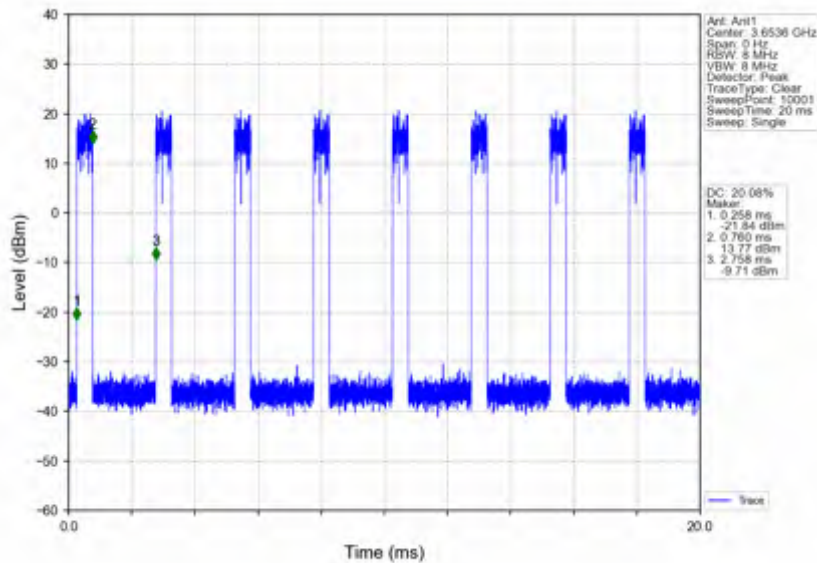
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n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM 64 QAM_3624.99MHz_Inner_1RB_Left



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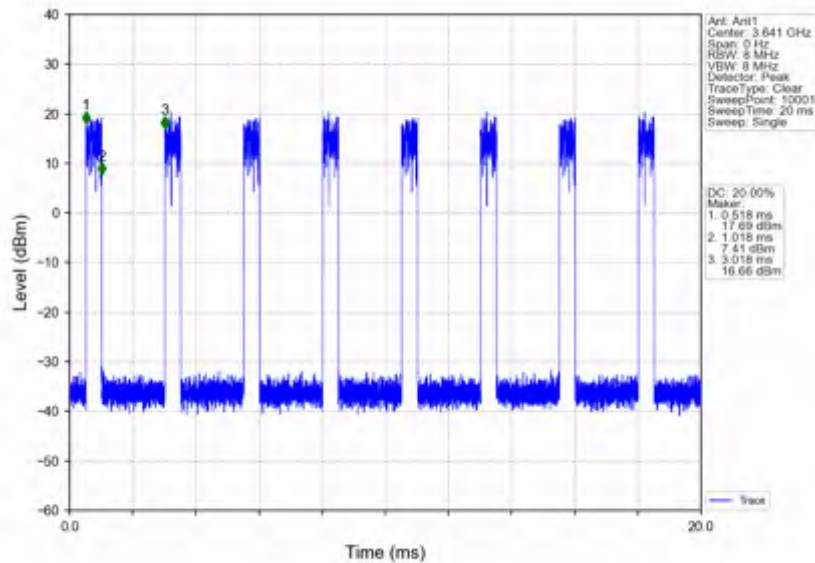
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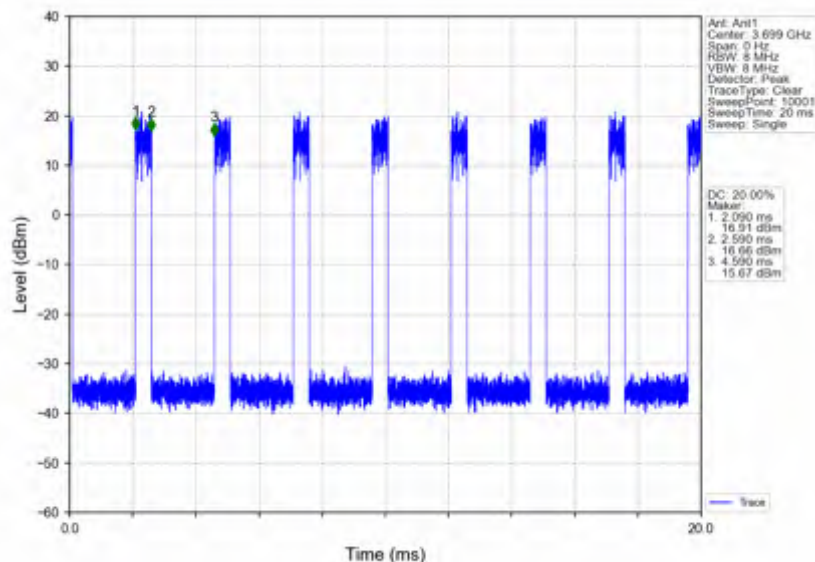
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n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM 64 QAM_3669.99MHz_Edge_1RB_Left



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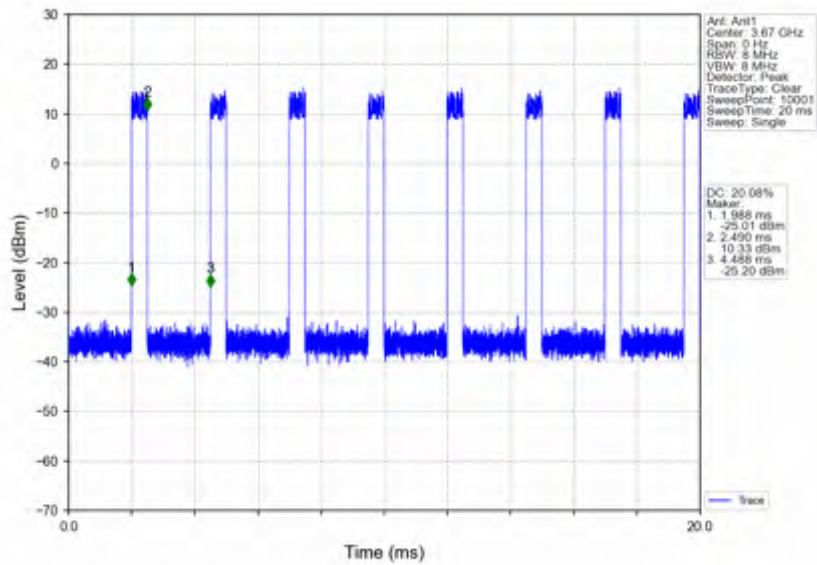
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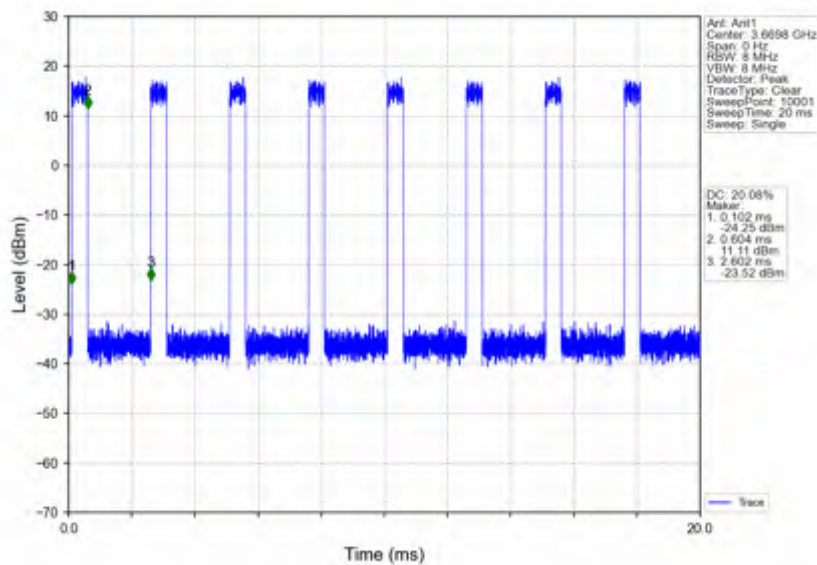
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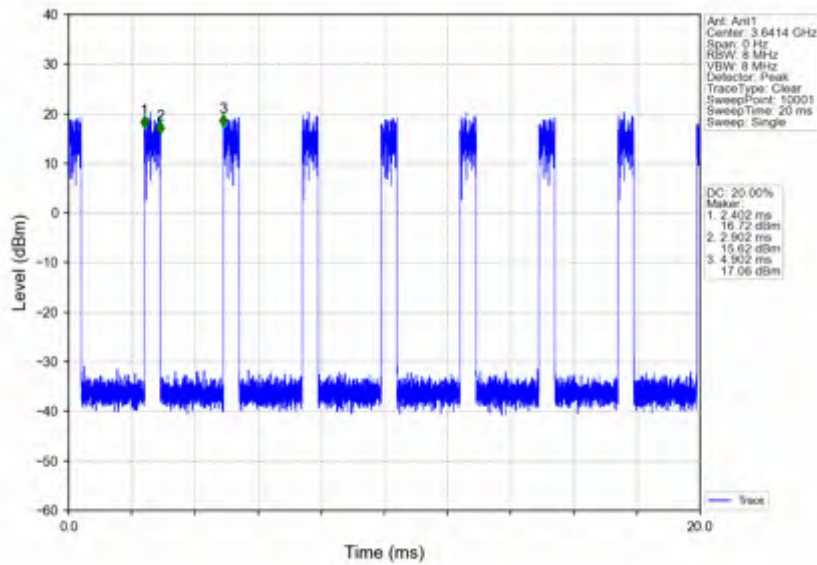
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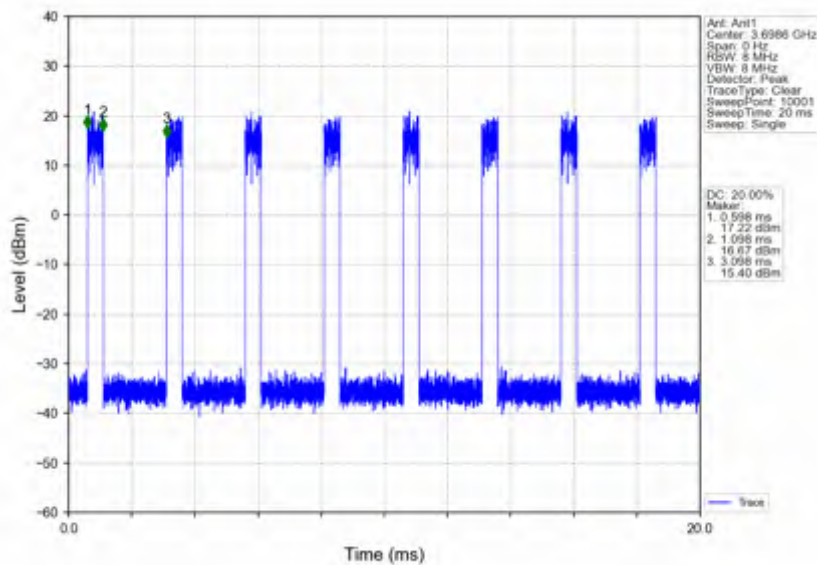
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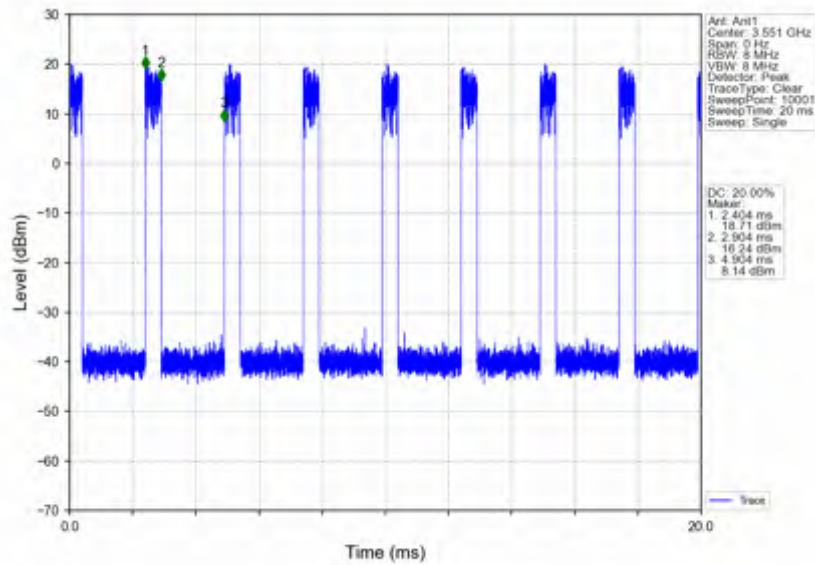
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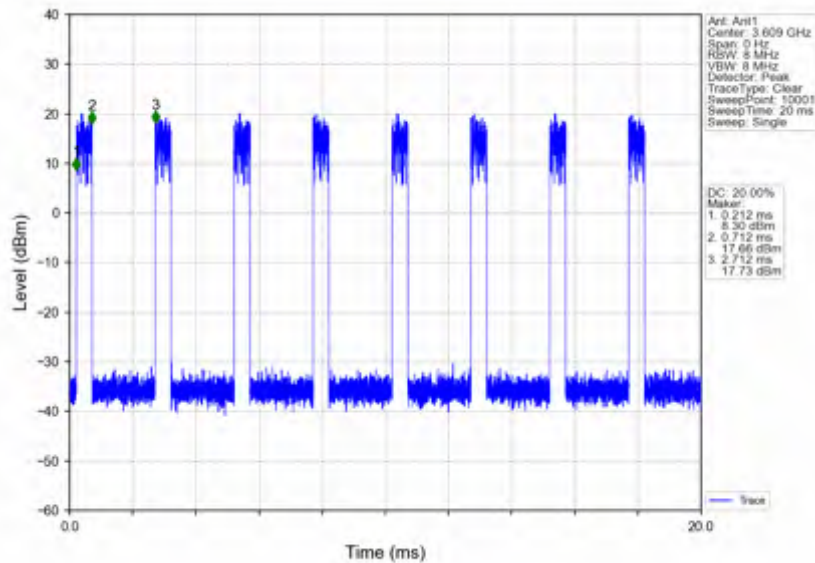
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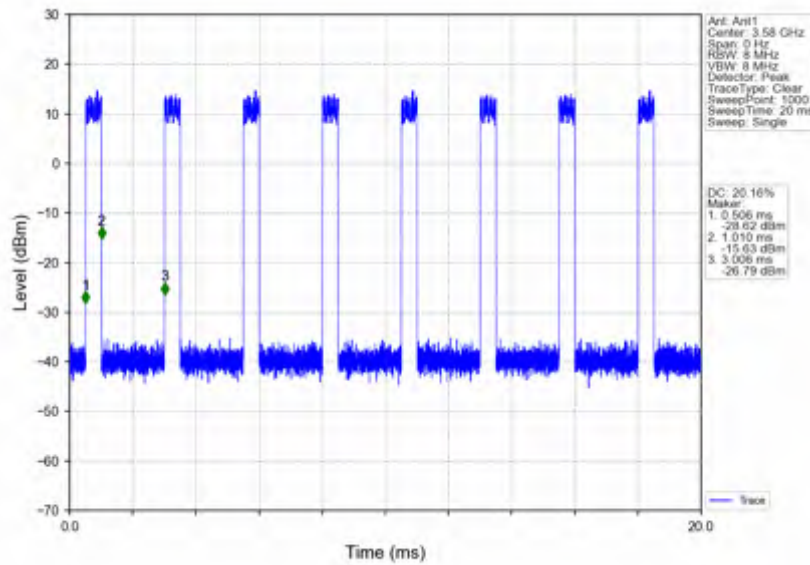
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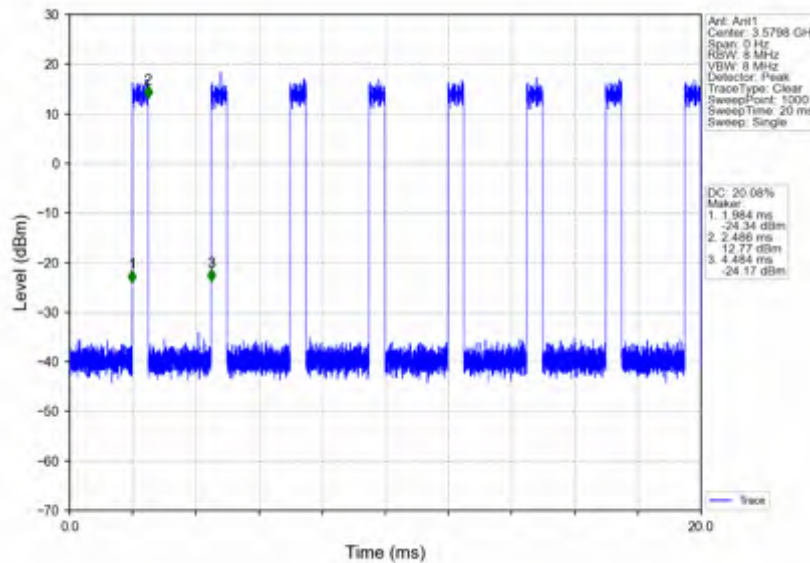
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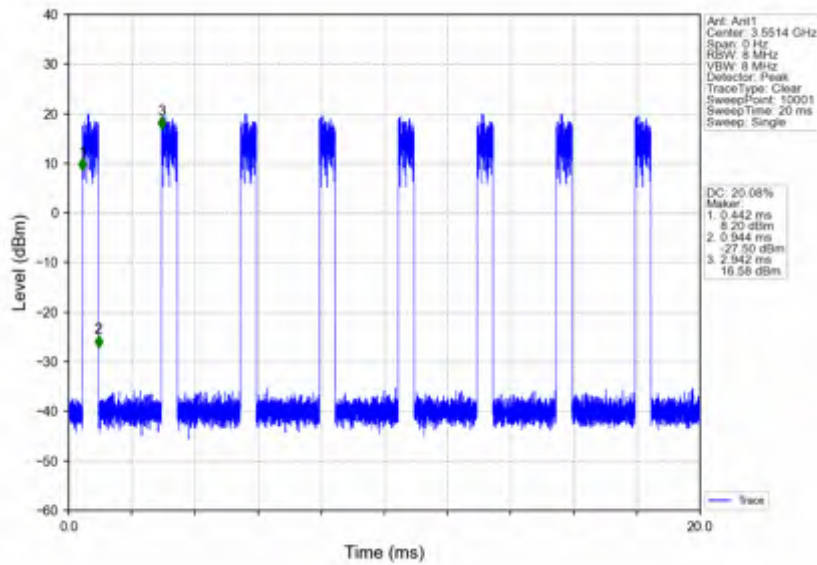


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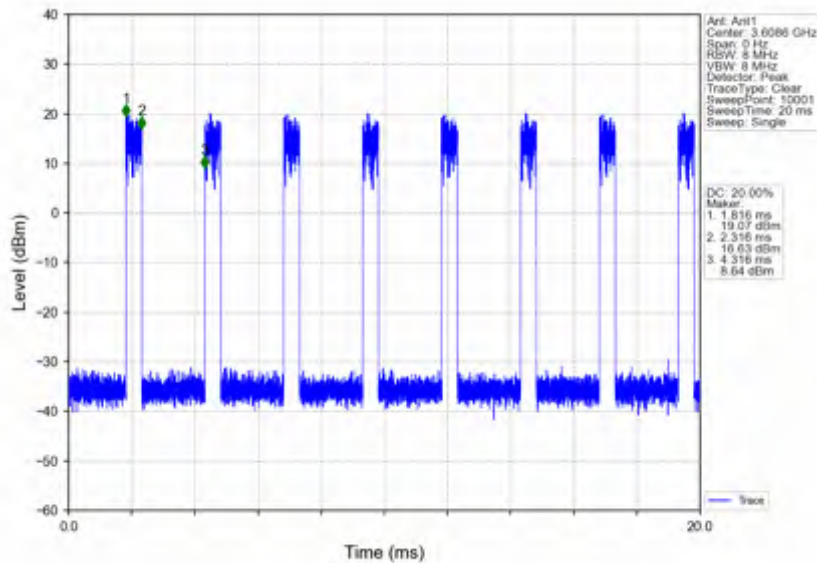
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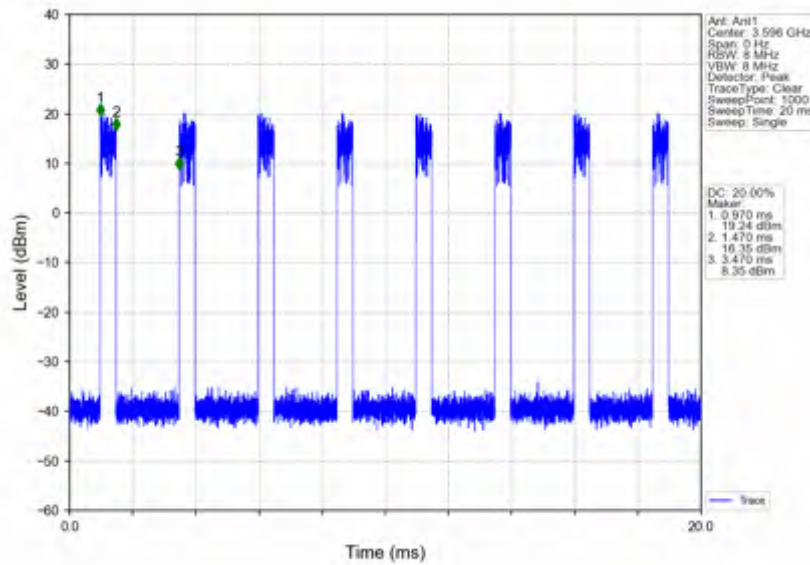
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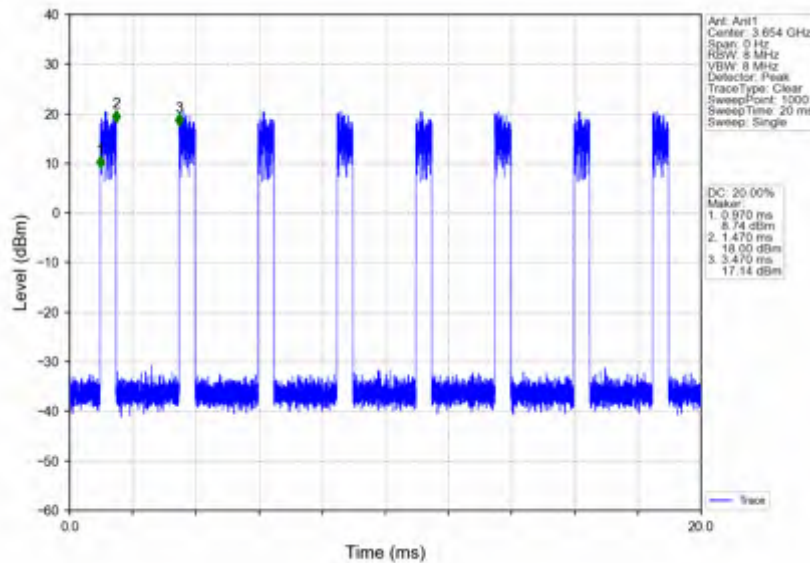
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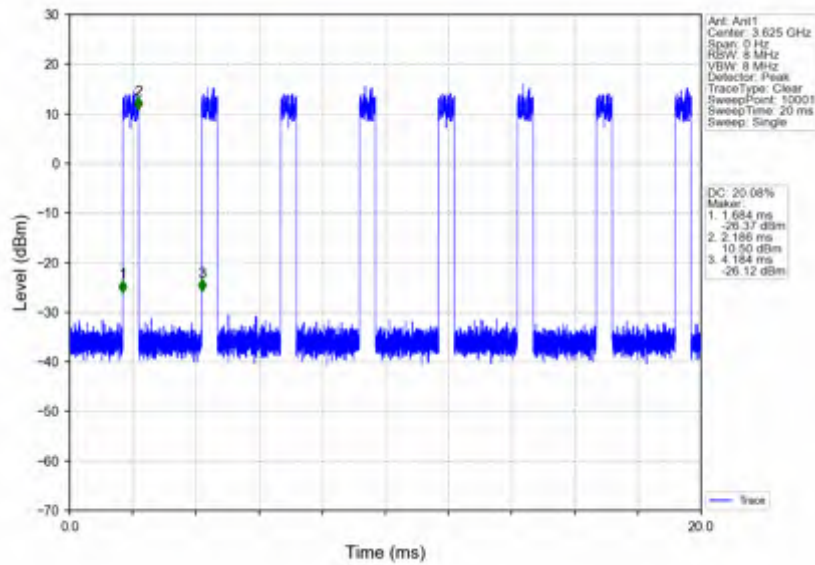
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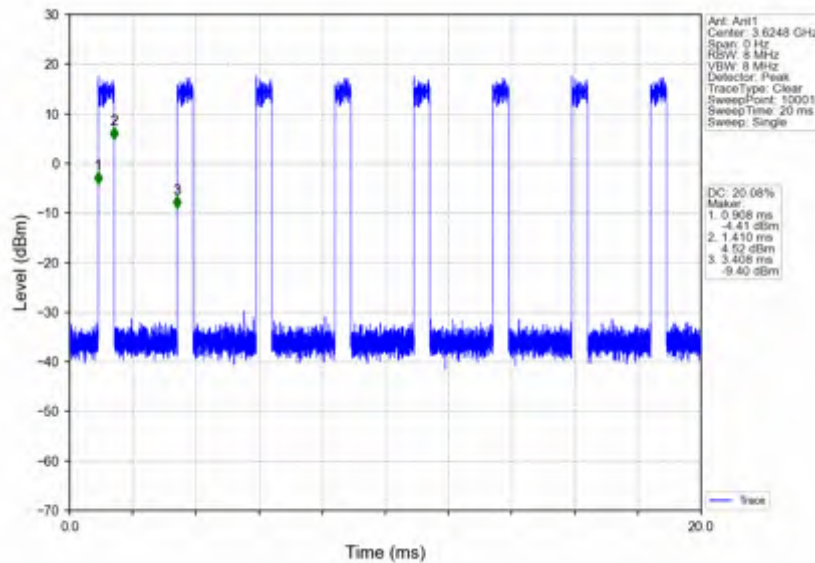
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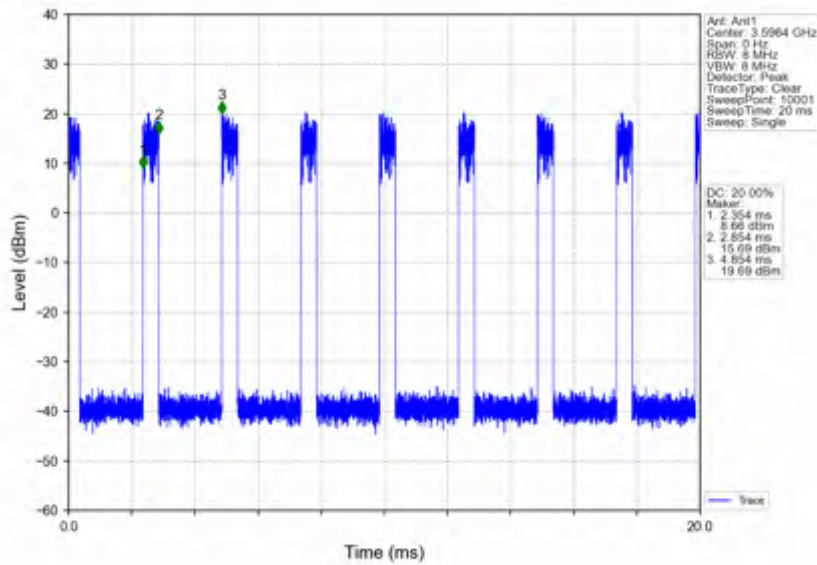


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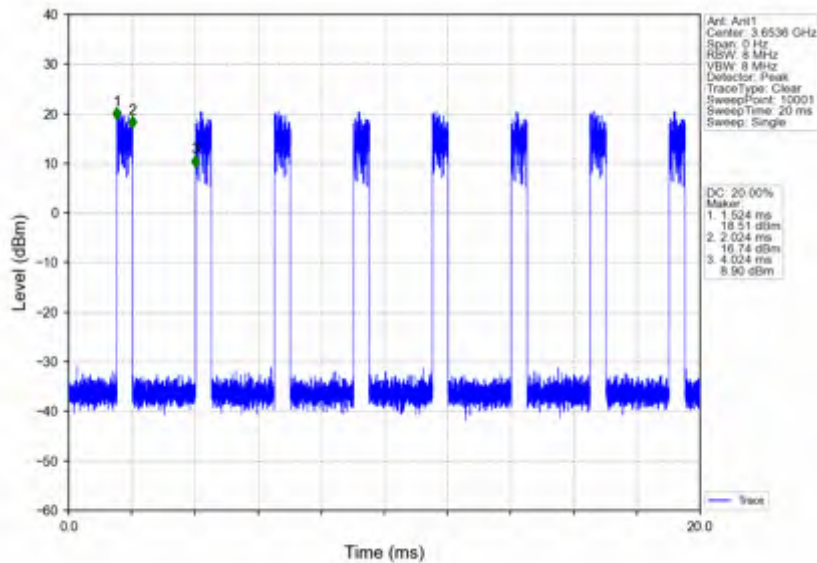
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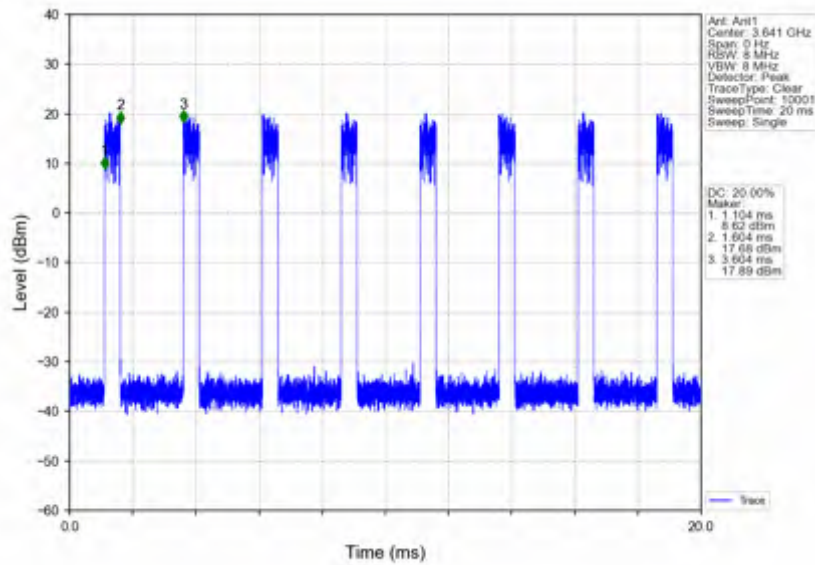
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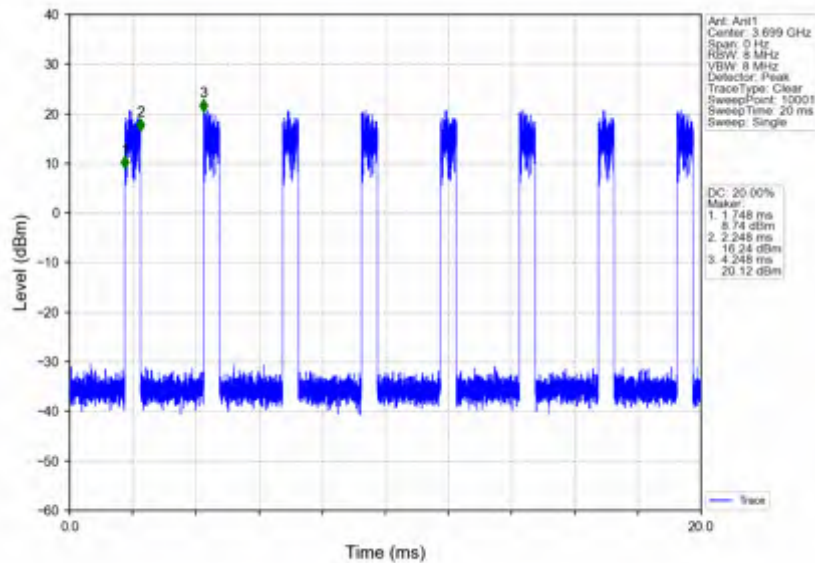
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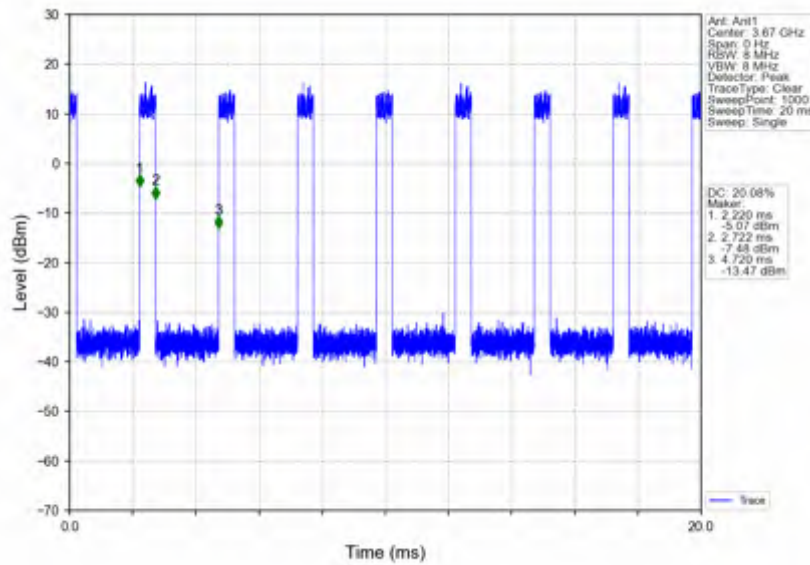
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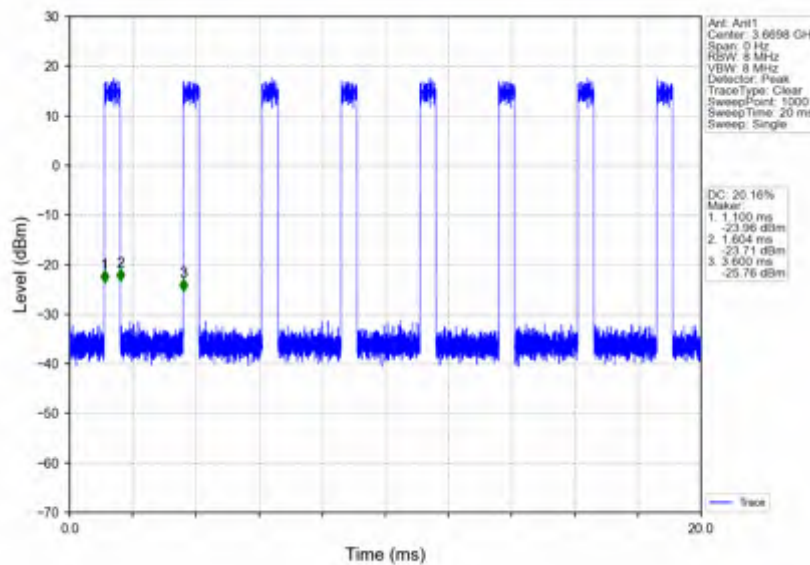
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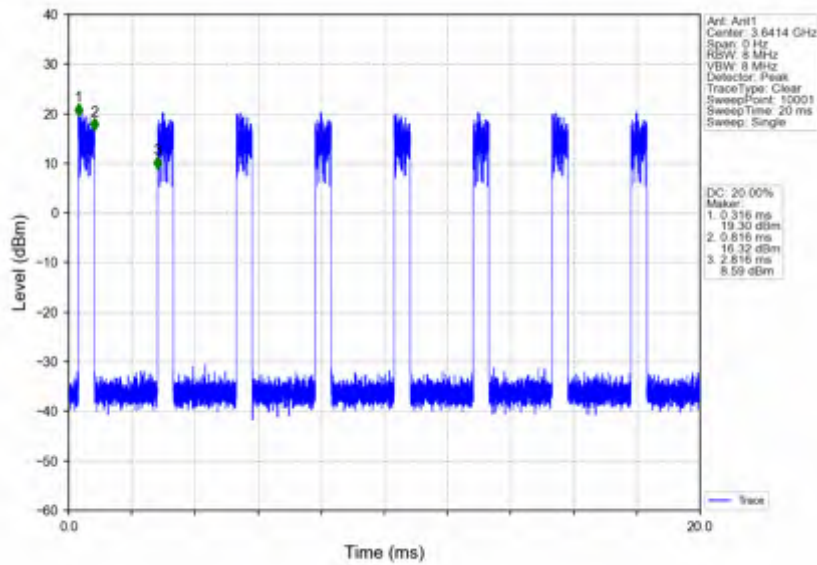


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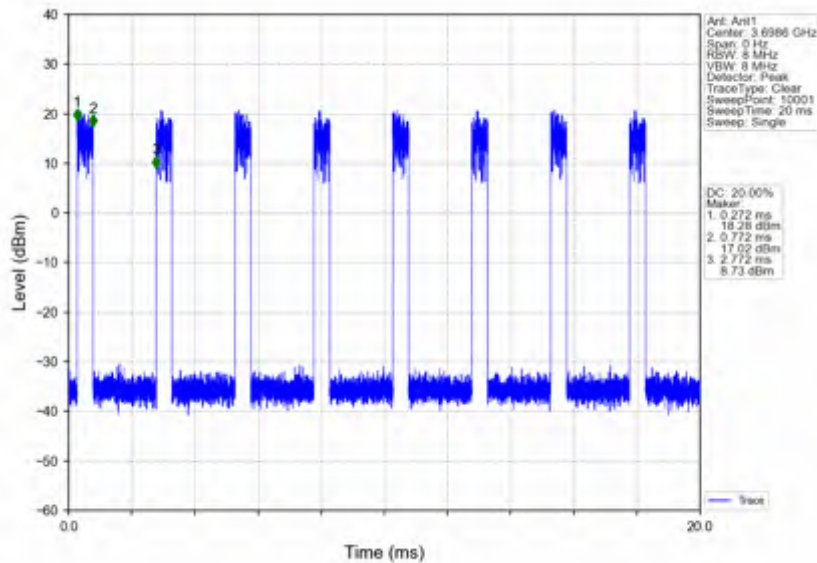
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n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM 256 QAM_3669.99MHz_Inner_1RB_Left



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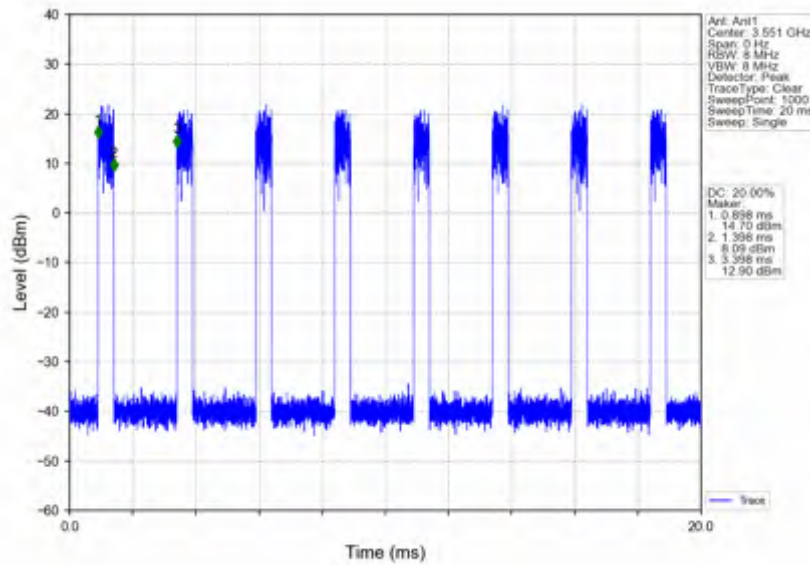
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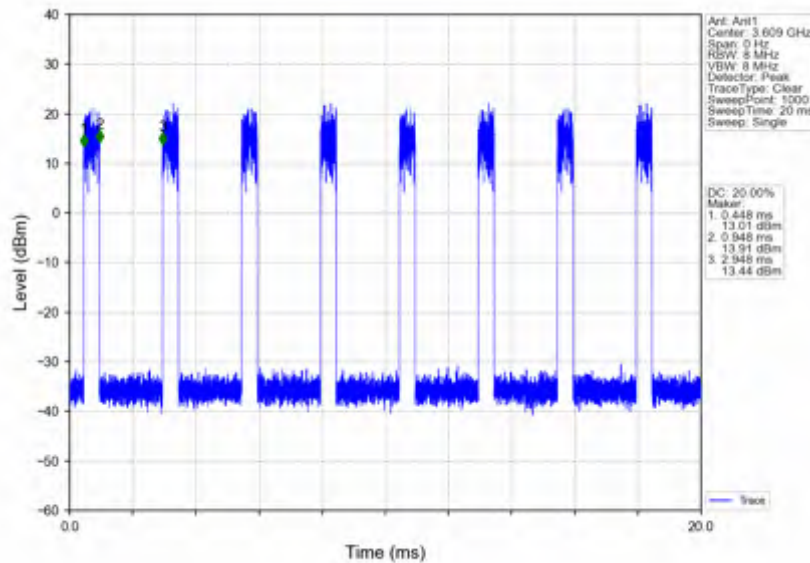
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n78d_30kHz_SISO_NTNV_60MHz_CP-OFDM_QPSK_3580.02MHz_Edge_1RB_Left



n78d_30kHz_SISO_NTNV_60MHz_CP-OFDM_QPSK_3580.02MHz_Edge_1RB_Right



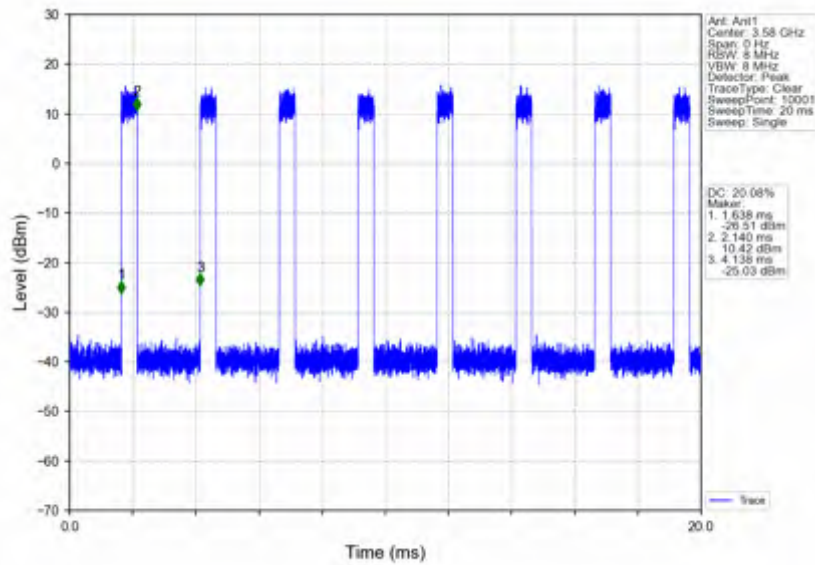
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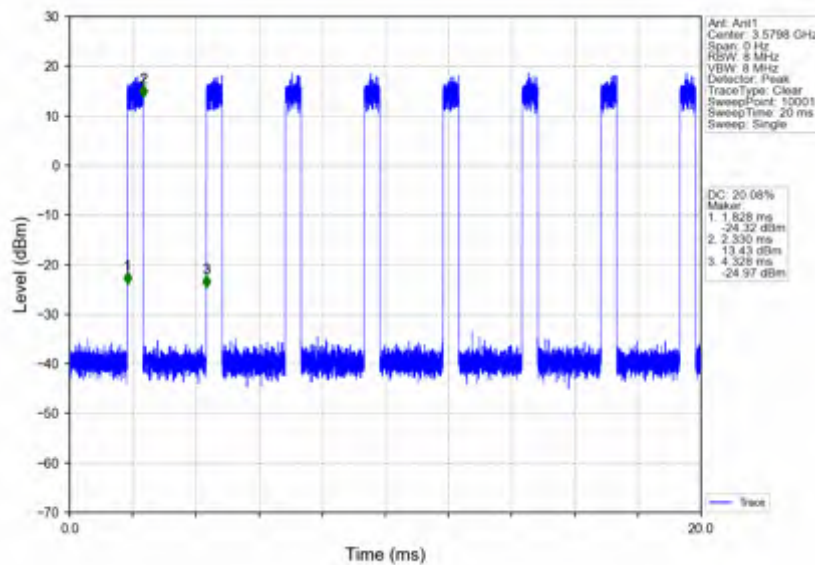
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n78d_30kHz_SISO_NTNV_60MHz_CP-OFDM QPSK_3580.02MHz_Outer_Full



n78d_30kHz_SISO_NTNV_60MHz_CP-OFDM QPSK_3580.02MHz_Inner_Full

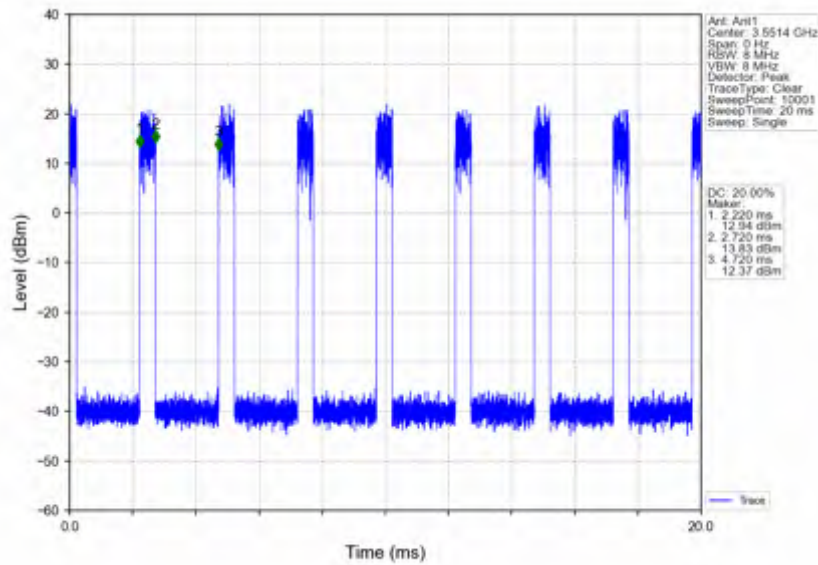


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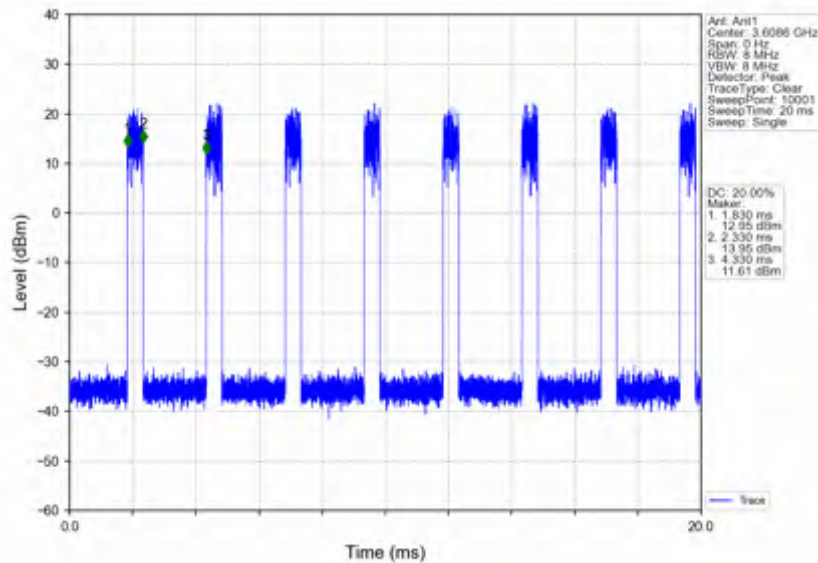
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n78d_30kHz_SISO_NTNV_60MHz_CP-OFDM QPSK_3580.02MHz_Inner_1RB_Left



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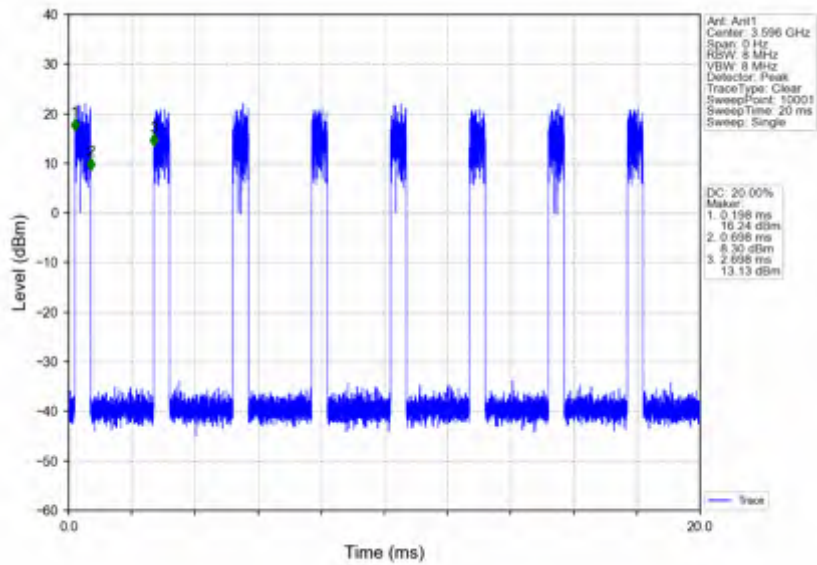


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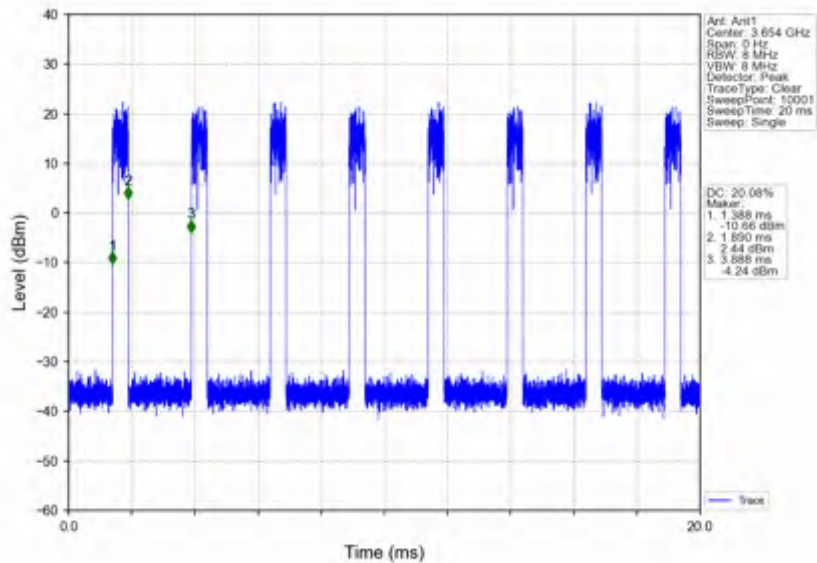
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n78d_30kHz_SISO_NTV_60MHz_CP-OFDM QPSK_3624.99MHz_Edge_1RB_Left



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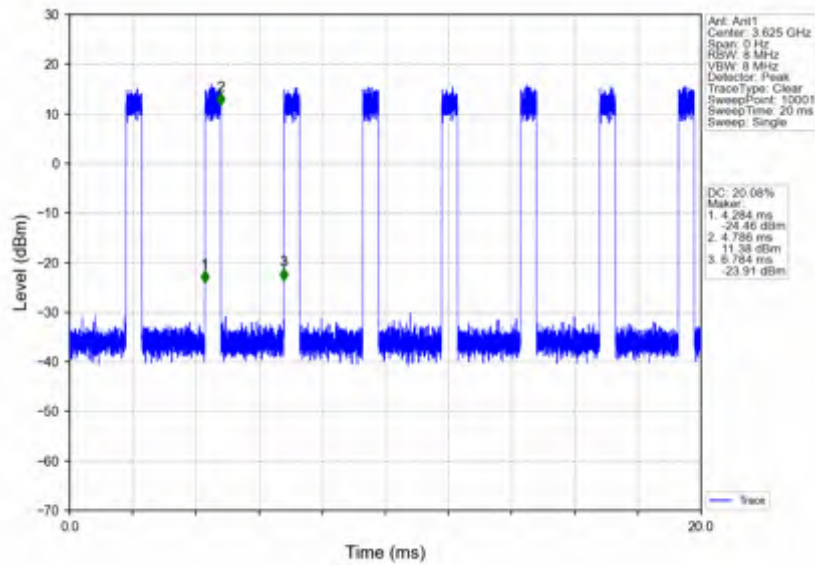


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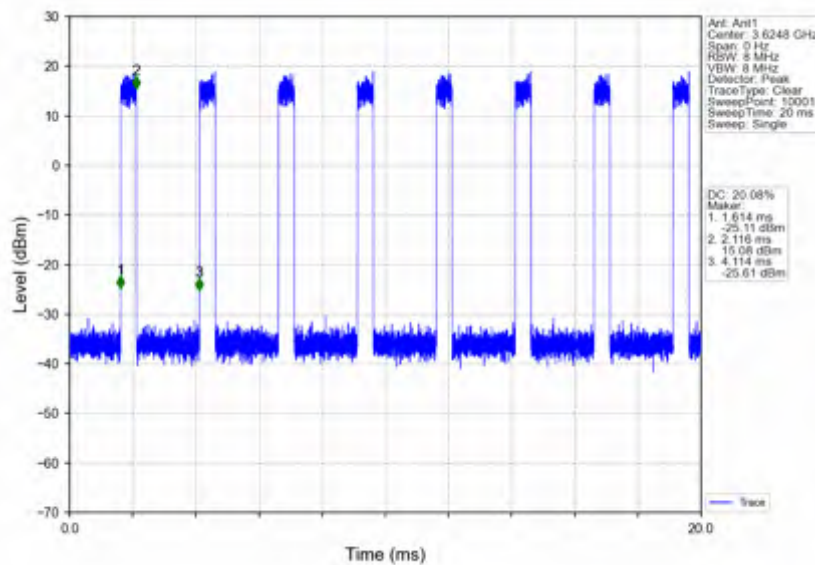
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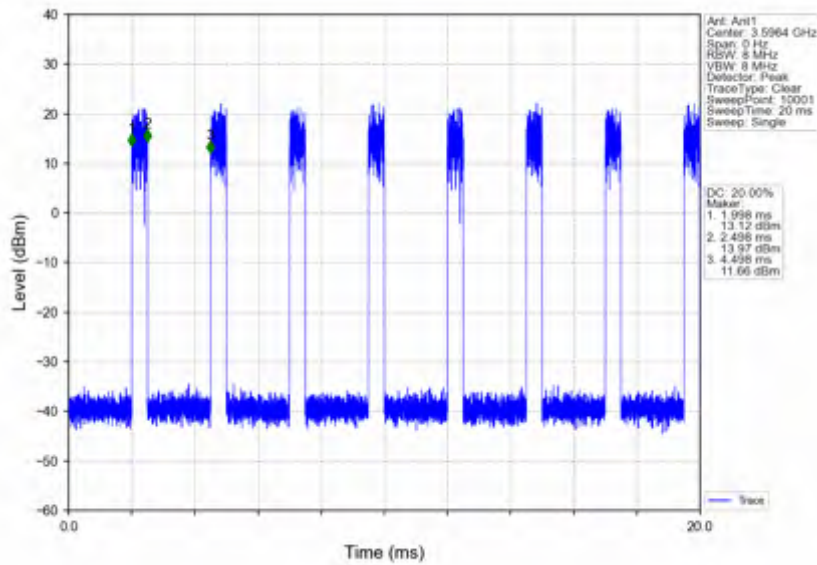


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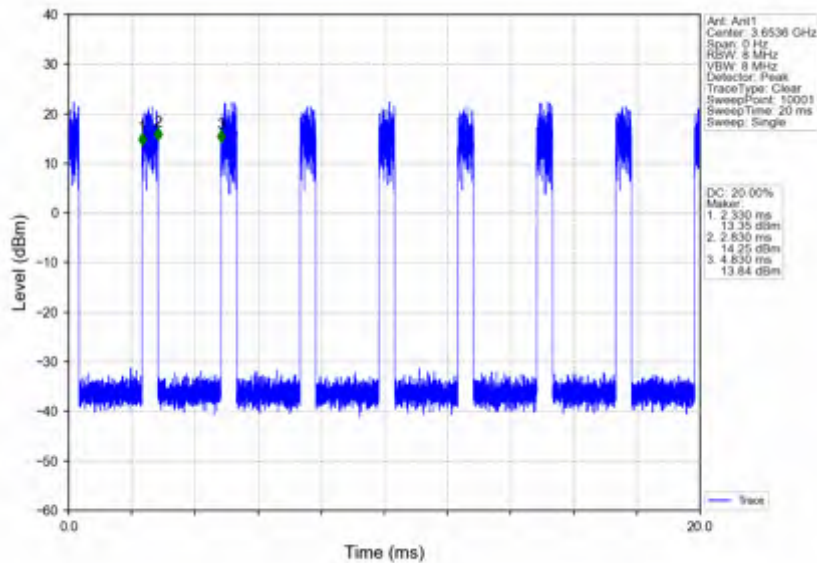
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