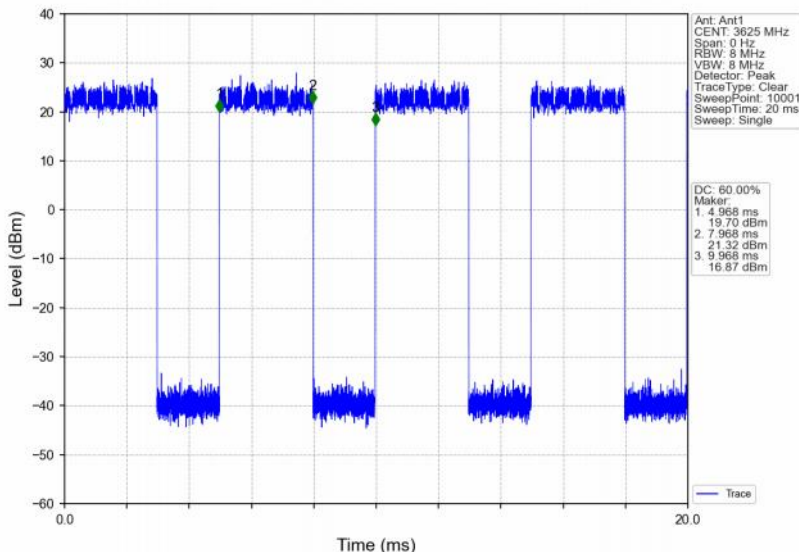
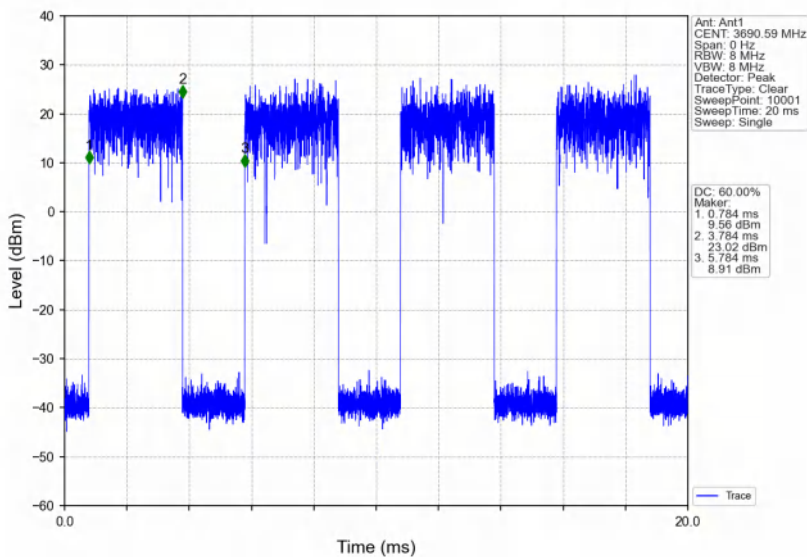


Band48_10MHz_256QAM_MCH_3625MHz_RB_50_0_NTNV



Band48_10MHz_256QAM_HCH_3695MHz_RB_1_0_NTNV

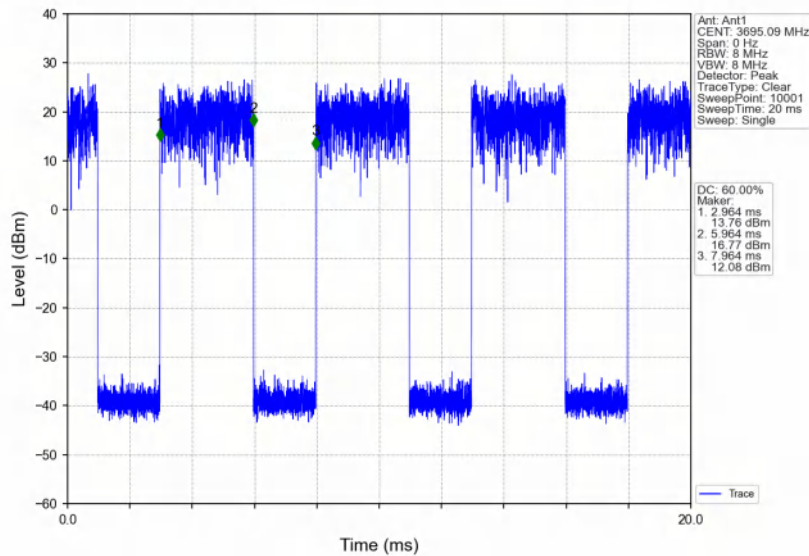


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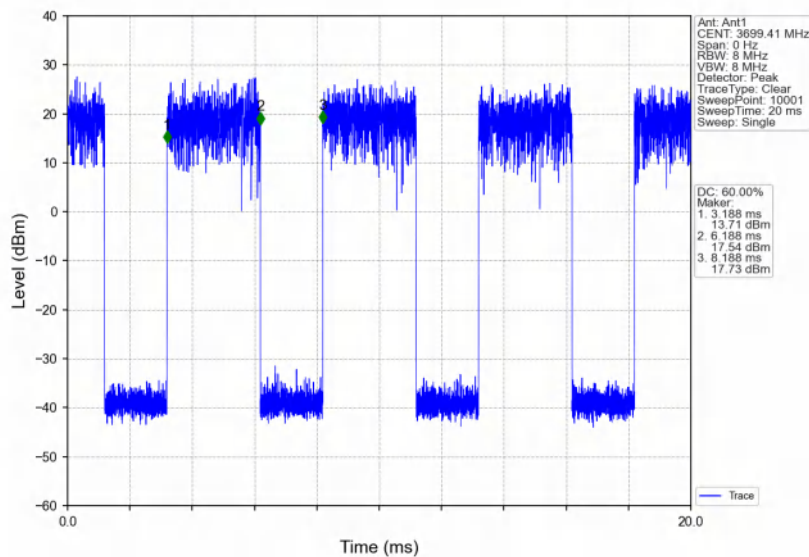
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Band48_10MHz_256QAM_HCH_3695MHz_RB_1_25_NTNV



Band48_10MHz_256QAM_HCH_3695MHz_RB_1_49_NTNV

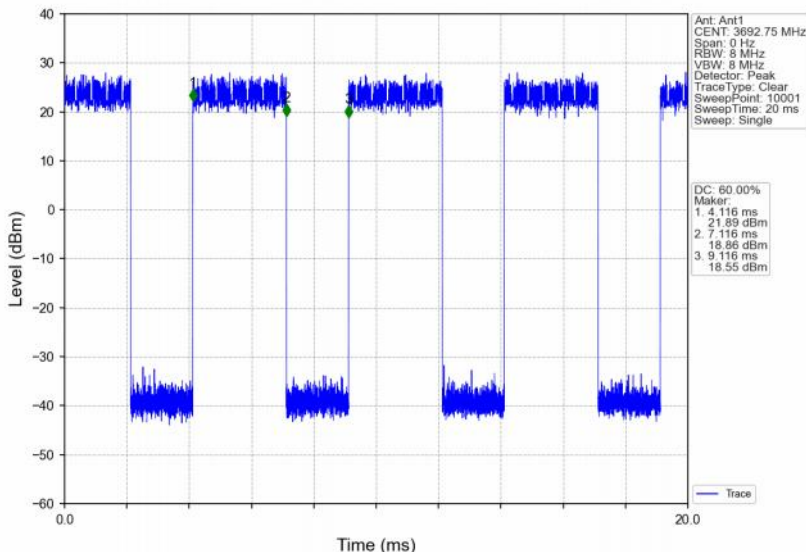


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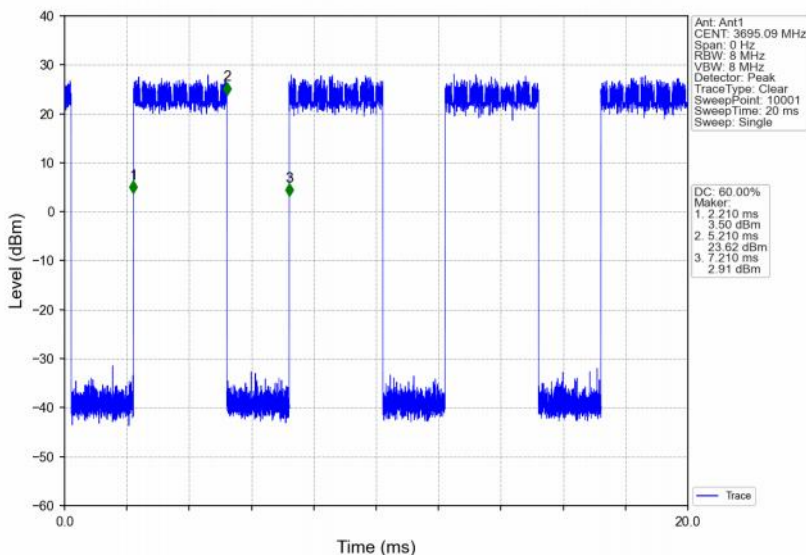
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Band48_10MHz_256QAM_HCH_3695MHz_RB_25_0_NTNV



Band48_10MHz_256QAM_HCH_3695MHz_RB_25_13_NTNV

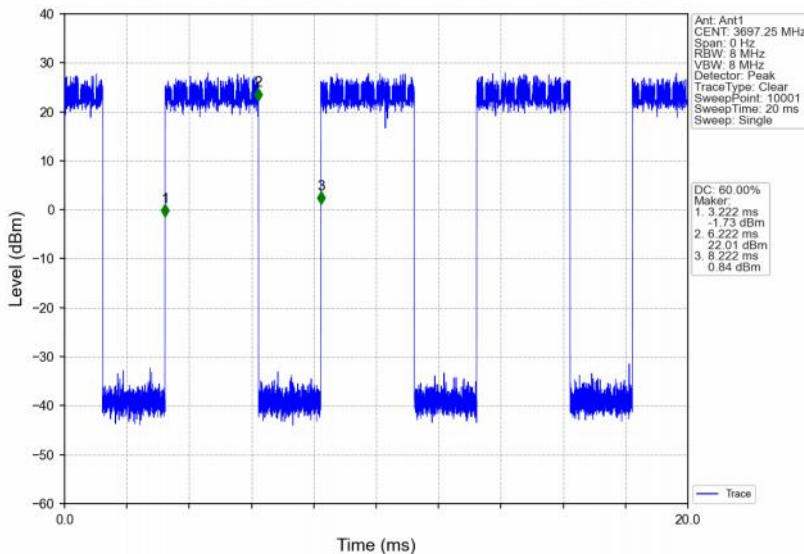


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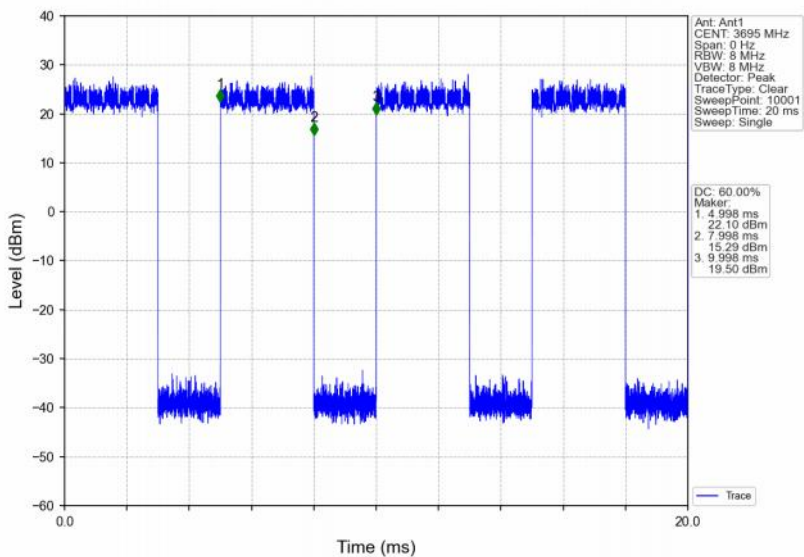
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Band48_10MHz_256QAM_HCH_3695MHz_RB_25_25_NTNV



Band48_10MHz_256QAM_HCH_3695MHz_RB_50_0_NTNV



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1.3 B48_15MHz

1.3.1 Test Result

Band: 48 / Bandwidth: 15MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)		
		Size	Offset							
QPSK	3557.5	1	0	3.000	5.000	60.00	2.22	0.00		
			38	3.002	5.000	60.04	2.22	0.00		
			74	3.002	5.000	60.04	2.22	0.00		
		36	0	3.000	5.000	60.00	2.22	0.00		
			18	3.000	5.000	60.00	2.22	0.00		
			39	3.000	5.000	60.00	2.22	0.00		
		75	0	3.000	5.000	60.00	2.22	0.00		
		3625	1	0	3.000	5.000	60.00	2.22	0.00	
				38	3.000	5.000	60.00	2.22	0.00	
	74			3.000	5.000	60.00	2.22	0.00		
	36		0	3.000	5.000	60.00	2.22	0.00		
			18	3.000	5.000	60.00	2.22	0.00		
			39	3.000	5.000	60.00	2.22	0.00		
	75		0	3.000	5.000	60.00	2.22	0.00		
	3692.5		1	0	3.000	5.000	60.00	2.22	0.00	
				38	3.000	5.000	60.00	2.22	0.00	
		74		3.000	5.000	60.00	2.22	0.00		
		36	0	3.000	5.000	60.00	2.22	0.00		
			18	3.000	5.000	60.00	2.22	0.00		
			39	3.000	5.000	60.00	2.22	0.00		
		75	0	3.000	5.000	60.00	2.22	0.00		
		16QAM	3557.5	1	0	3.002	5.000	60.04	2.22	0.00
					38	3.000	5.000	60.00	2.22	0.00
	74				3.000	5.000	60.00	2.22	0.02	
36	0			3.000	5.000	60.00	2.22	0.00		
	18			3.000	5.000	60.00	2.22	0.00		
	39			3.000	5.000	60.00	2.22	0.00		
75	0			3.000	5.000	60.00	2.22	0.04		
3625	1			0	3.002	5.000	60.04	2.22	0.00	
				38	3.000	5.000	60.00	2.22	0.02	
			74	3.000	5.000	60.00	2.22	0.00		
	36		0	3.000	5.000	60.00	2.22	0.00		
			18	3.000	5.000	60.00	2.22	0.00		
			39	3.000	5.000	60.00	2.22	0.00		
	75		0	3.000	5.000	60.00	2.22	0.00		
	3692.5		1	0	3.000	5.000	60.00	2.22	0.00	
				38	3.000	5.000	60.00	2.22	0.00	
74				3.000	5.000	60.00	2.22	0.00		
36			0	3.000	5.000	60.00	2.22	0.00		
			18	3.000	5.000	60.00	2.22	0.00		
			39	3.000	5.000	60.00	2.22	0.04		
75			0	3.000	5.000	60.00	2.22	0.00		
64QAM			3557.5	1	0	3.000	5.000	60.00	2.22	0.00
					38	3.000	5.000	60.00	2.22	0.02
	74				3.000	5.000	60.00	2.22	0.00	
	36	0		3.000	5.000	60.00	2.22	0.00		



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256QAM	3625	75	18	3.000	5.000	60.00	2.22	0.00	
			39	3.000	5.000	60.00	2.22	0.00	
			0	3.000	5.000	60.00	2.22	0.00	
		1	36	0	3.000	5.000	60.00	2.22	0.04
				38	3.000	5.000	60.00	2.22	0.00
				74	3.000	5.000	60.00	2.22	0.00
			75	0	3.000	5.000	60.00	2.22	0.00
				18	3.000	5.000	60.00	2.22	0.00
				39	3.000	5.000	60.00	2.22	0.00
	3692.5	1	0	3.000	5.000	60.00	2.22	0.00	
			38	3.000	5.000	60.00	2.22	0.00	
			74	3.000	5.000	60.00	2.22	0.00	
		36	0	3.000	5.000	60.00	2.22	0.00	
			18	3.000	5.000	60.00	2.22	0.00	
			39	3.000	5.000	60.00	2.22	0.00	
		75	0	3.002	5.002	60.02	2.22	0.01	
		3557.5	1	0	3.000	5.000	60.00	2.22	0.00
				38	3.000	5.000	60.00	2.22	0.00
	74			3.000	5.000	60.00	2.22	0.00	
	36		0	3.000	6.000	50.00	3.01	10.01	
			18	2.998	5.000	59.96	2.22	0.04	
			39	3.000	5.000	60.00	2.22	0.00	
	75		0	3.002	5.000	60.04	2.22	0.00	
	3625		1	0	3.000	5.000	60.00	2.22	0.00
38				3.000	5.000	60.00	2.22	0.00	
74				3.000	5.000	60.00	2.22	0.00	
36			0	3.000	5.000	60.00	2.22	0.00	
			18	3.000	5.000	60.00	2.22	0.00	
		39	3.000	5.000	60.00	2.22	0.00		
75	0	3.000	5.000	60.00	2.22	0.00			
3692.5	1	0	3.000	5.000	60.00	2.22	0.00		
		38	3.000	5.002	59.98	2.22	0.05		
		74	3.000	5.000	60.00	2.22	0.00		
	36	0	3.000	5.000	60.00	2.22	0.00		
		18	3.000	5.000	60.00	2.22	0.00		
		39	3.000	5.000	60.00	2.22	0.00		
	75	0	2.998	4.998	59.98	2.22	0.03		

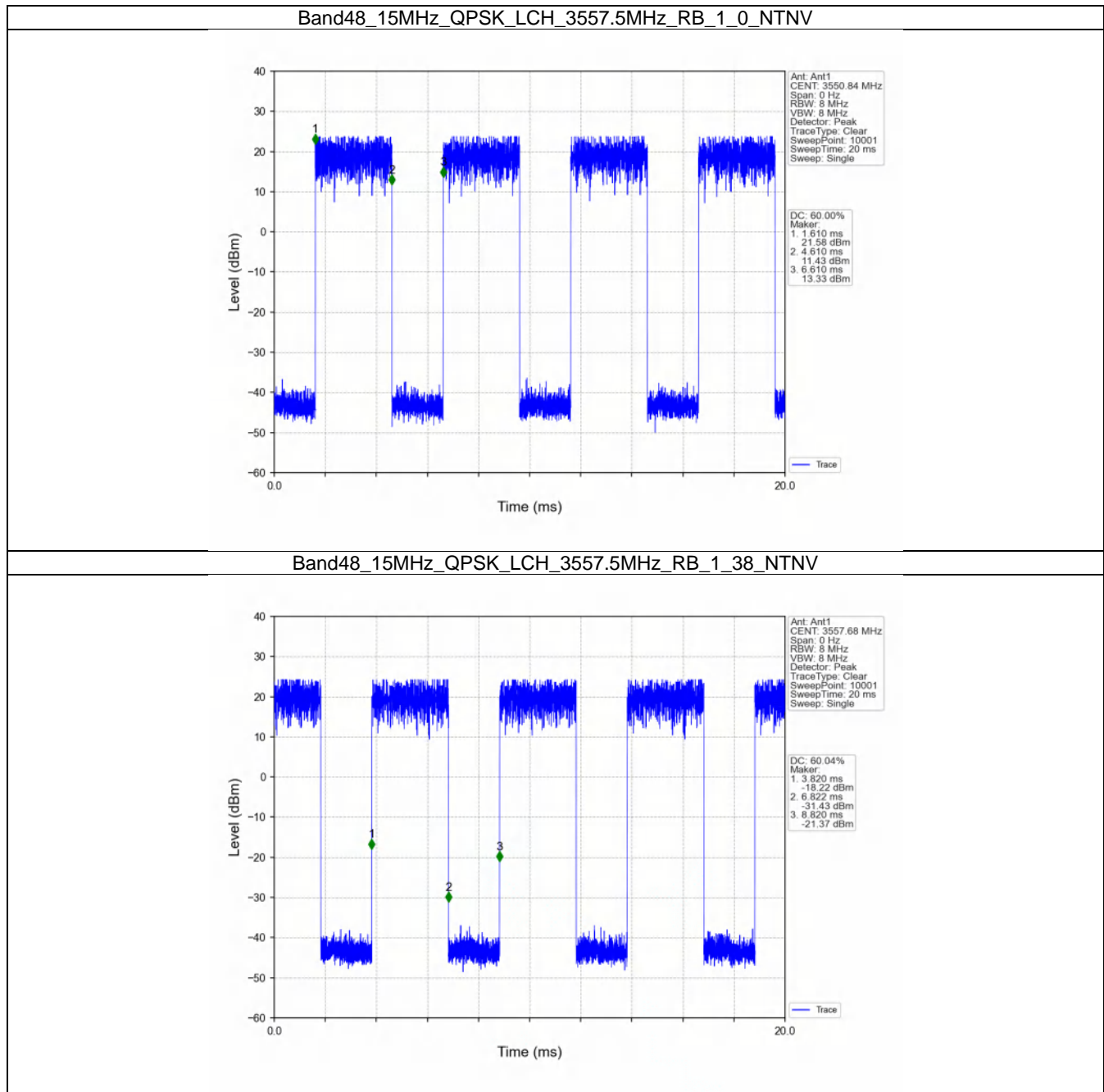


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1.3.2 Test Graph

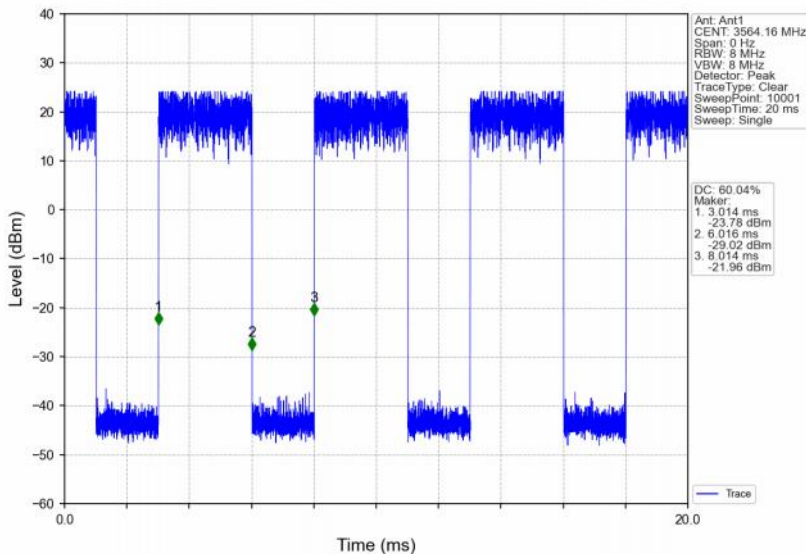


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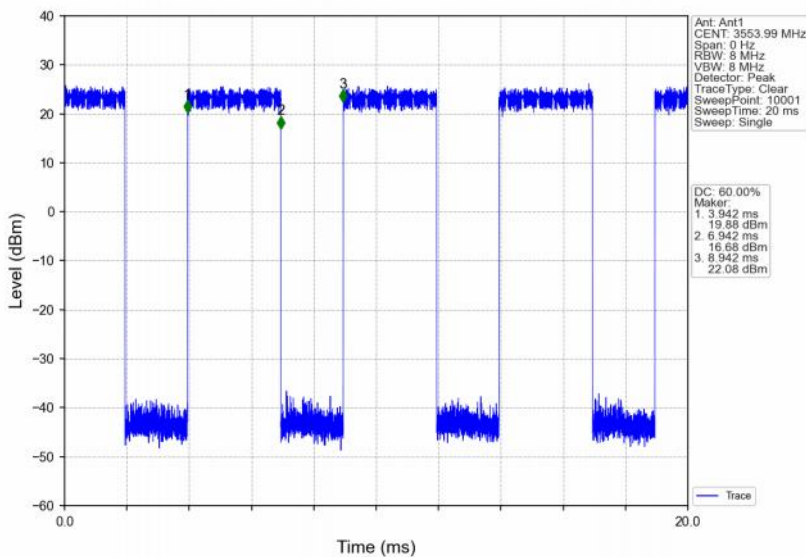
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Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_74_NTNV



Band48_15MHz_QPSK_LCH_3557.5MHz_RB_36_0_NTNV

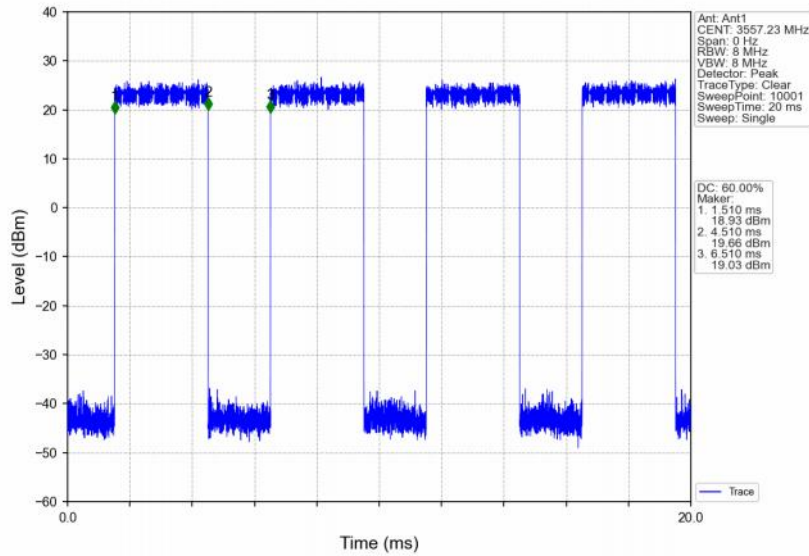


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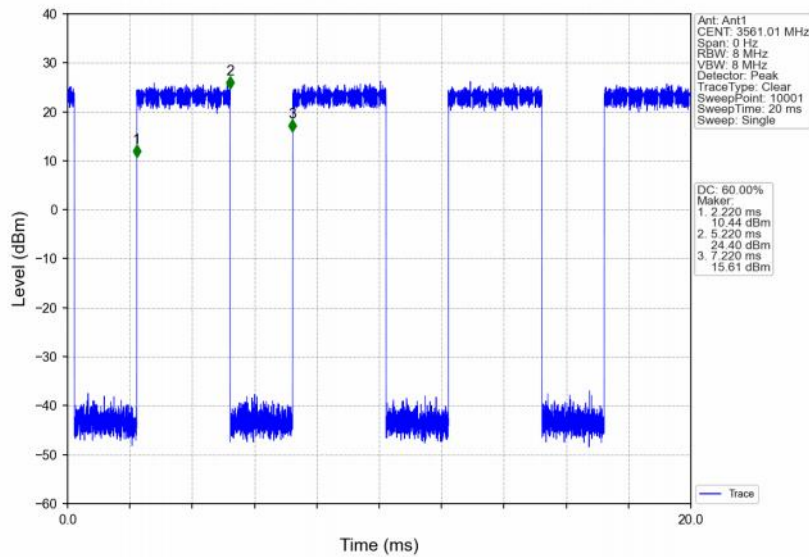
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Band48_15MHz_QPSK_LCH_3557.5MHz_RB_36_18_NTNV



Band48_15MHz_QPSK_LCH_3557.5MHz_RB_36_39_NTNV

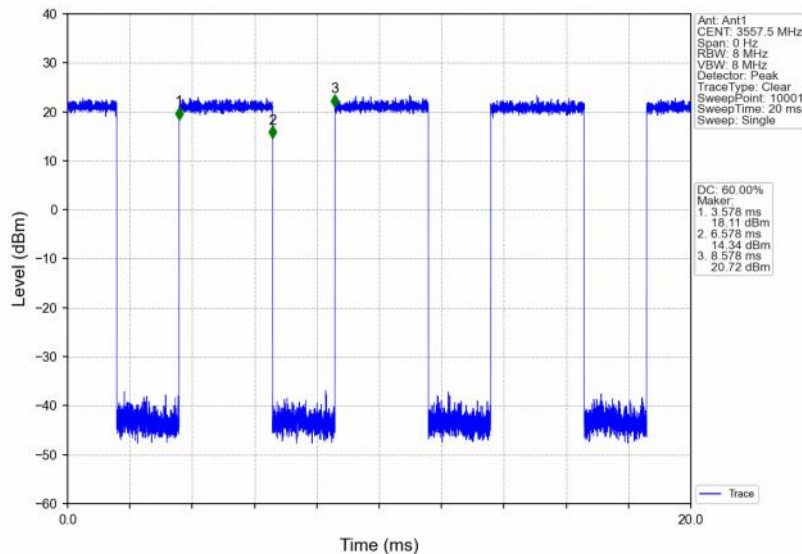


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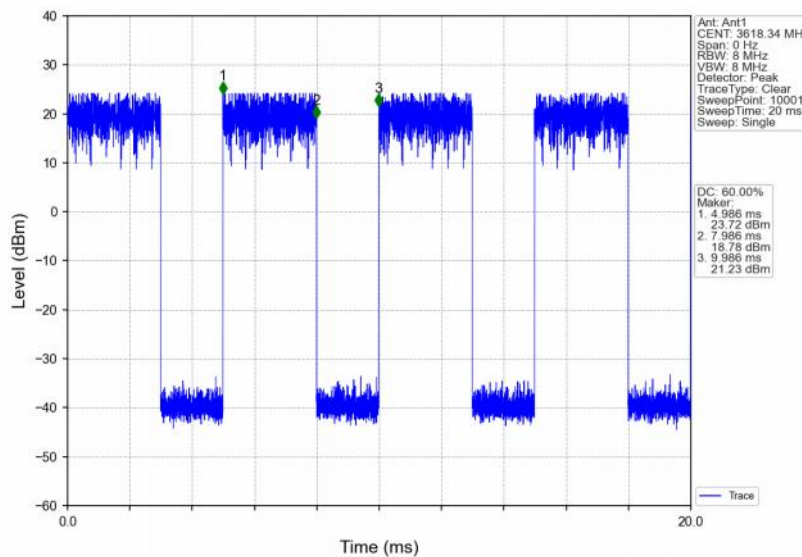
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Band48_15MHz_QPSK_LCH_3557.5MHz_RB_75_0_NTNV



Band48_15MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV

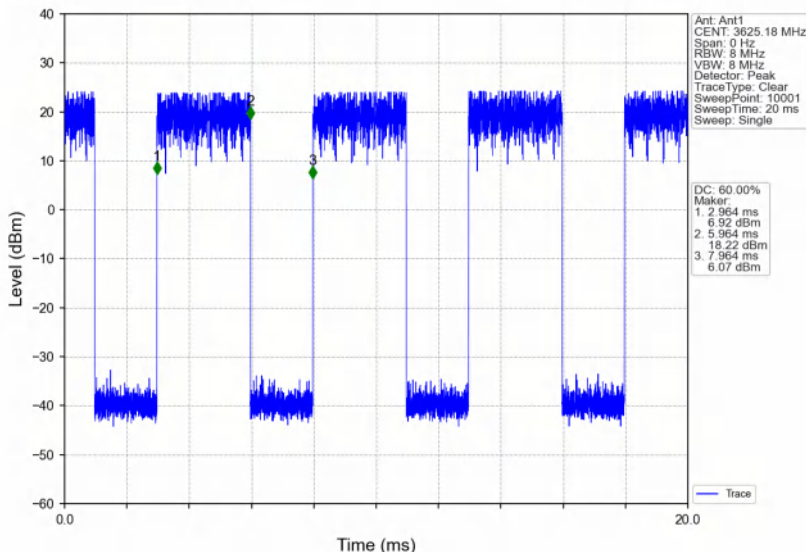


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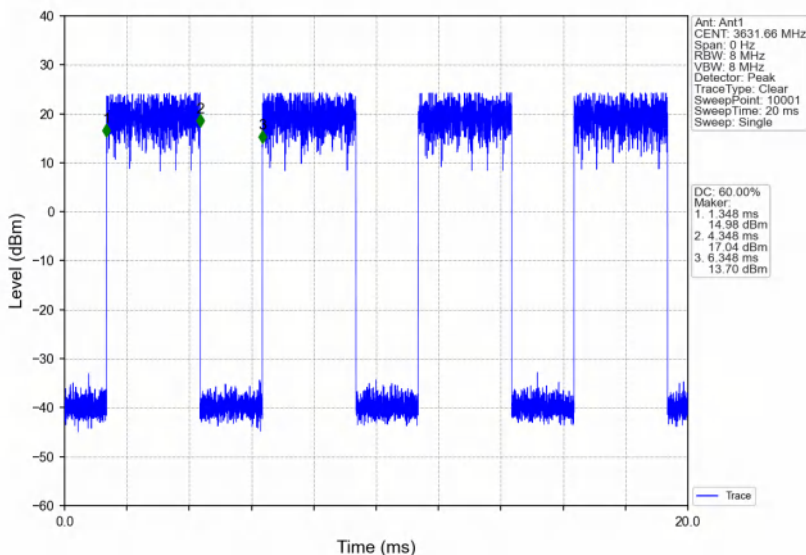
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Band48_15MHz_QPSK_MCH_3625MHz_RB_1_38_NTNV



Band48_15MHz_QPSK_MCH_3625MHz_RB_1_74_NTNV

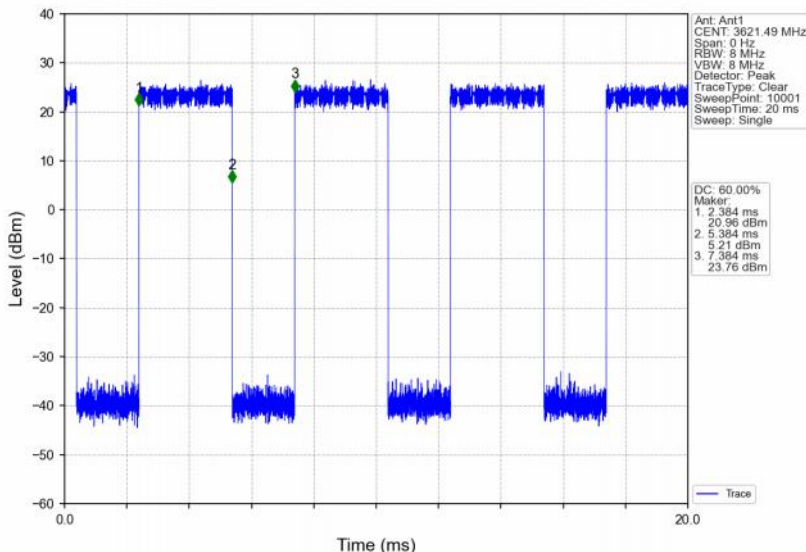


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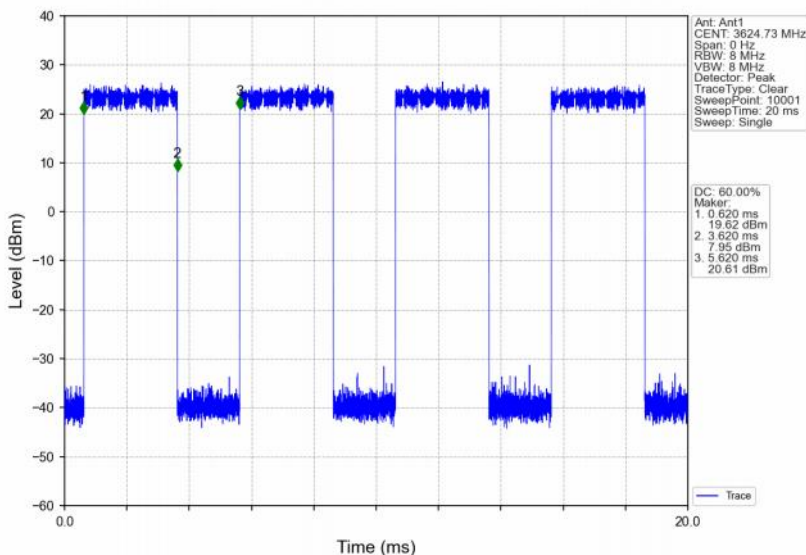
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Band48_15MHz_QPSK_MCH_3625MHz_RB_36_0_NTNV



Band48_15MHz_QPSK_MCH_3625MHz_RB_36_18_NTNV

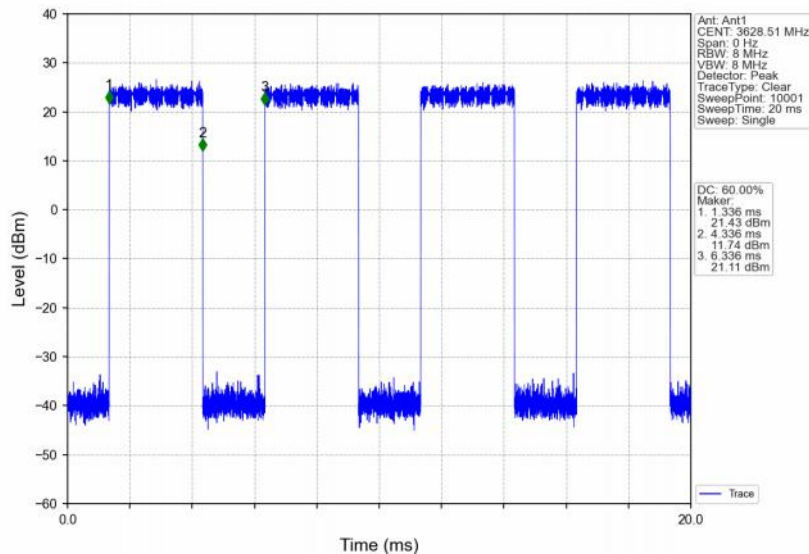


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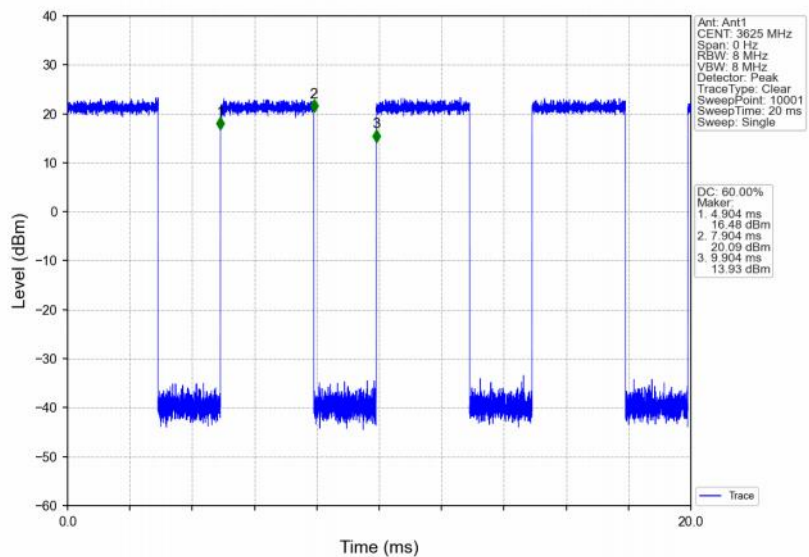
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Band48_15MHz_QPSK_MCH_3625MHz_RB_36_39_NTNV



Band48_15MHz_QPSK_MCH_3625MHz_RB_75_0_NTNV

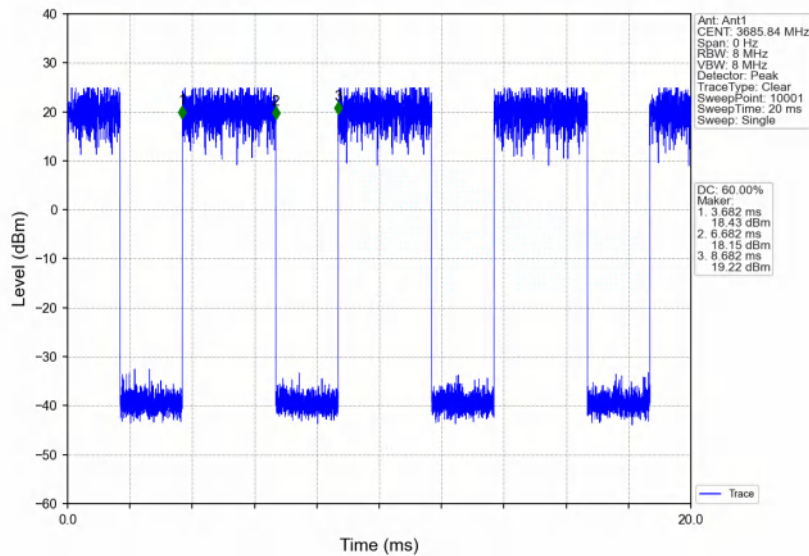


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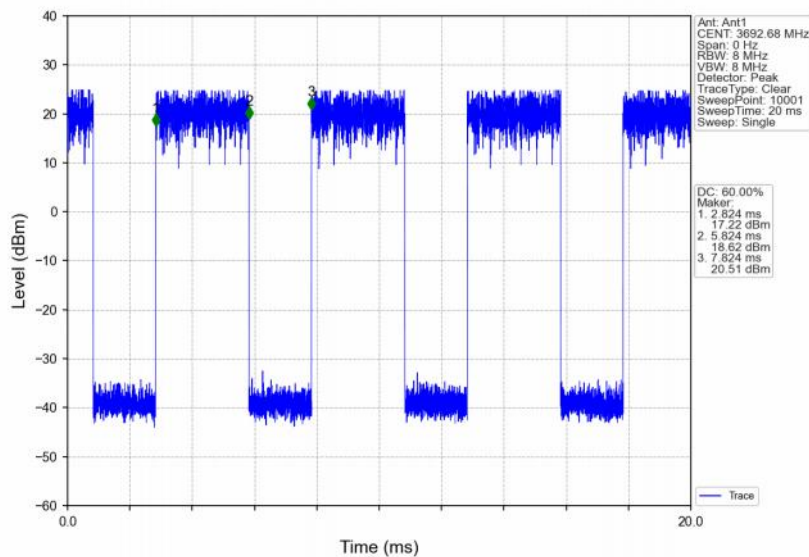
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Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_0_NTNV



Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_38_NTNV

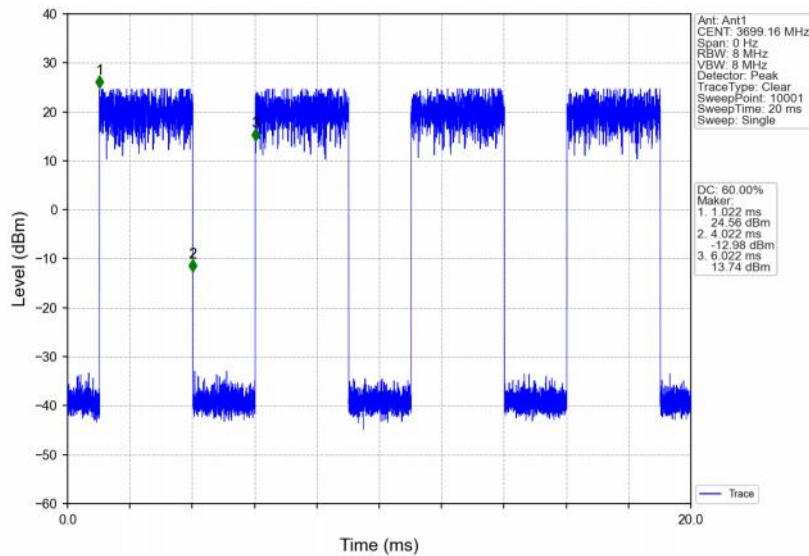


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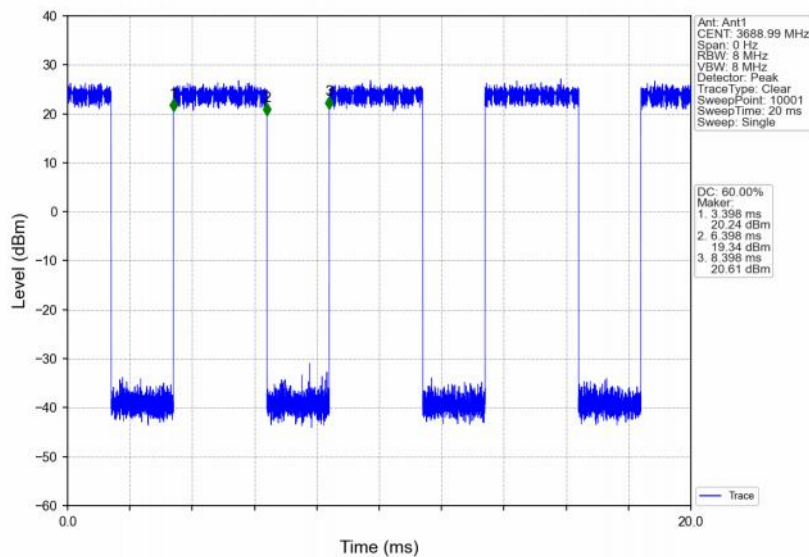
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Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_74_NTNV



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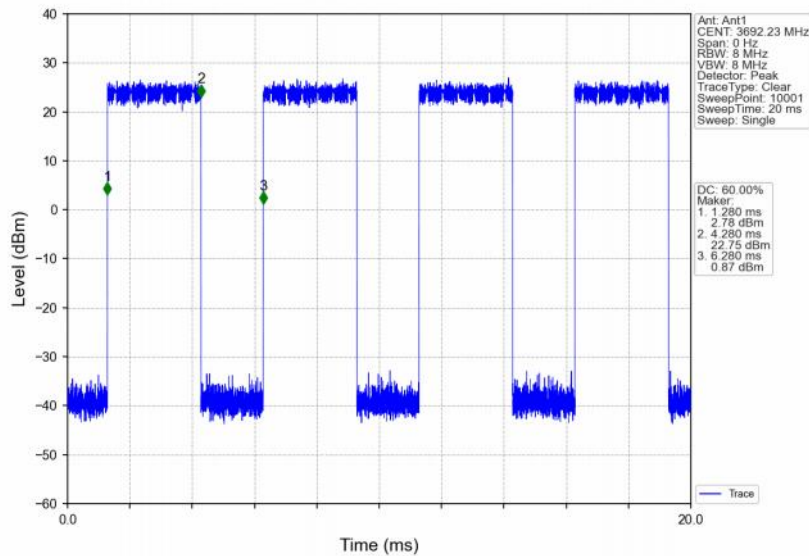


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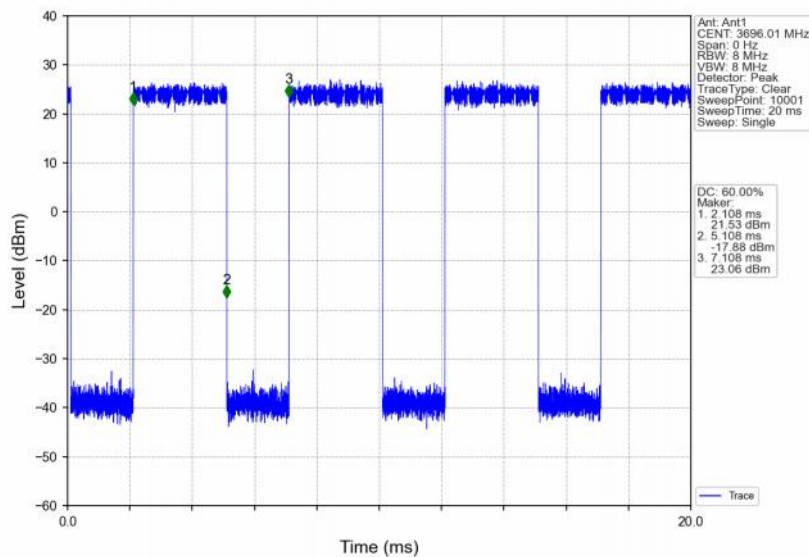
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Band48_15MHz_QPSK_HCH_3692.5MHz_RB_36_18_NTNV



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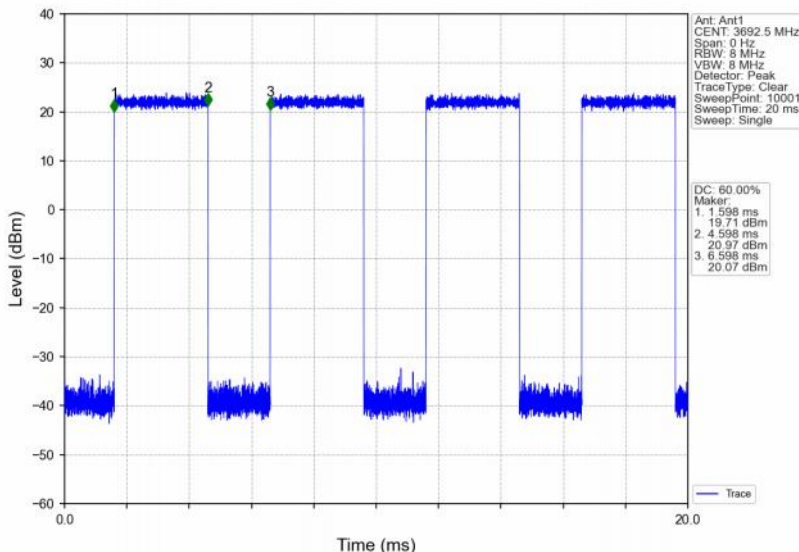


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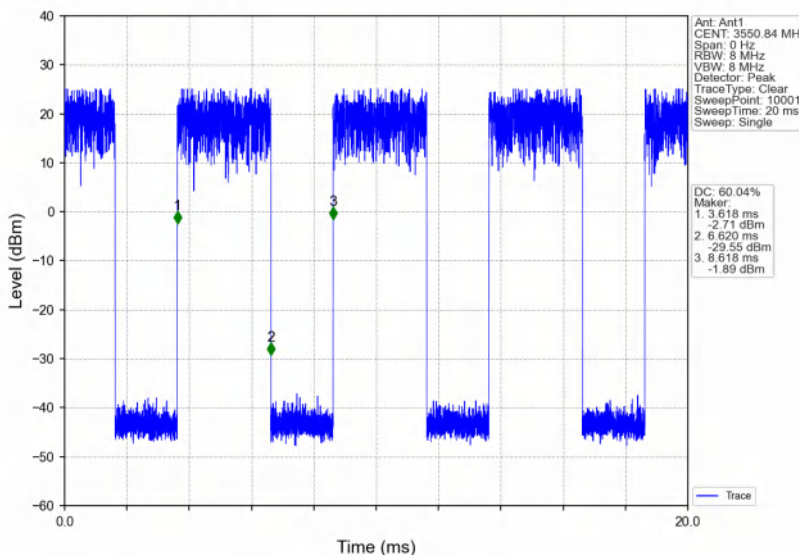
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Band48_15MHz_QPSK_HCH_3692.5MHz_RB_75_0_NTNV



Band48_15MHz_16QAM_LCH_3557.5MHz_RB_1_0_NTNV

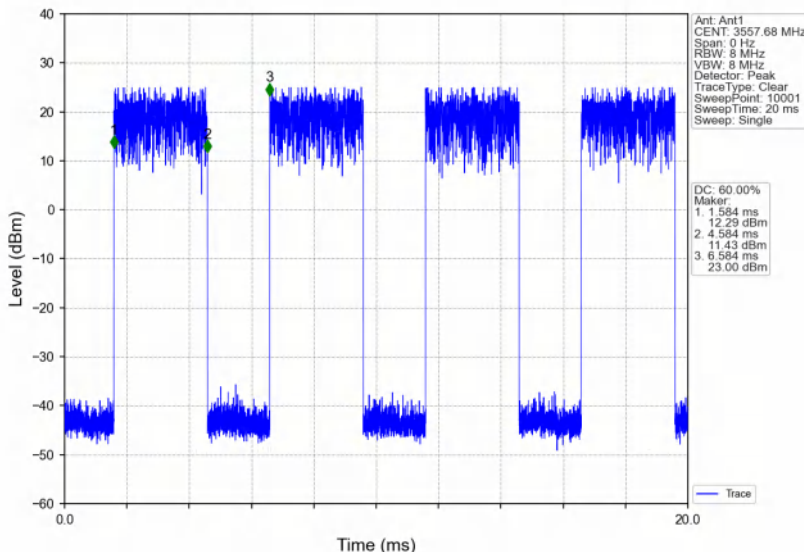


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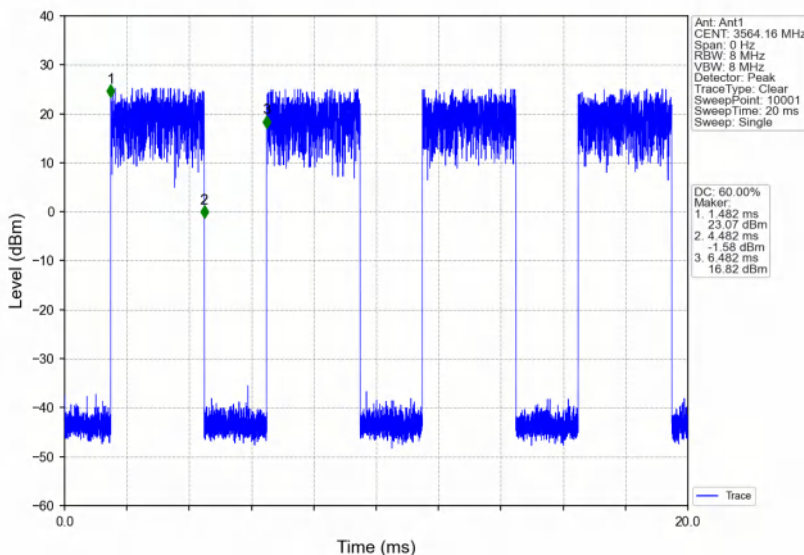
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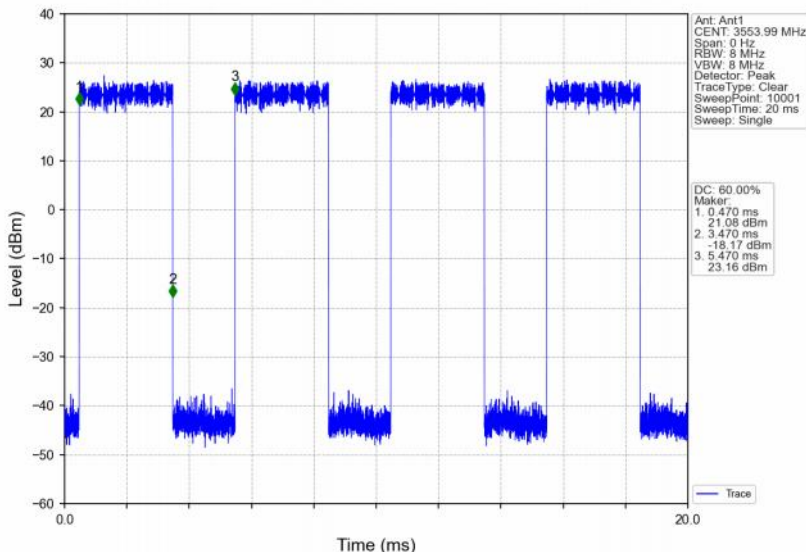


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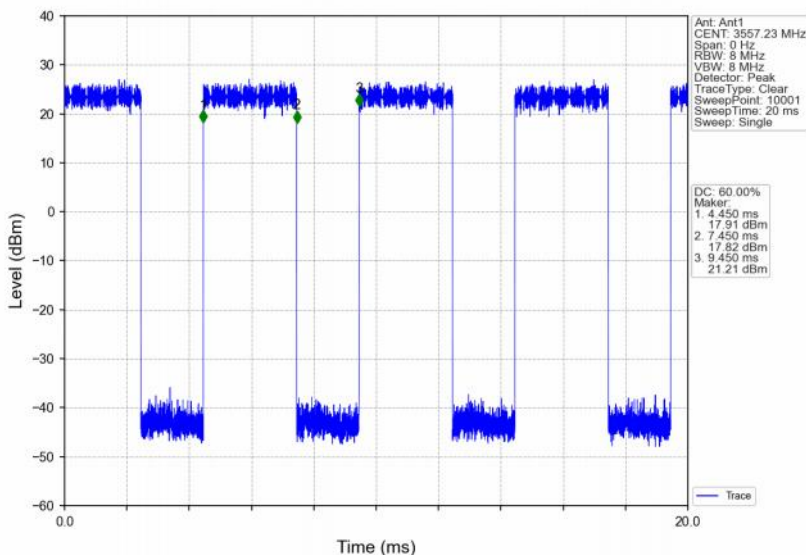
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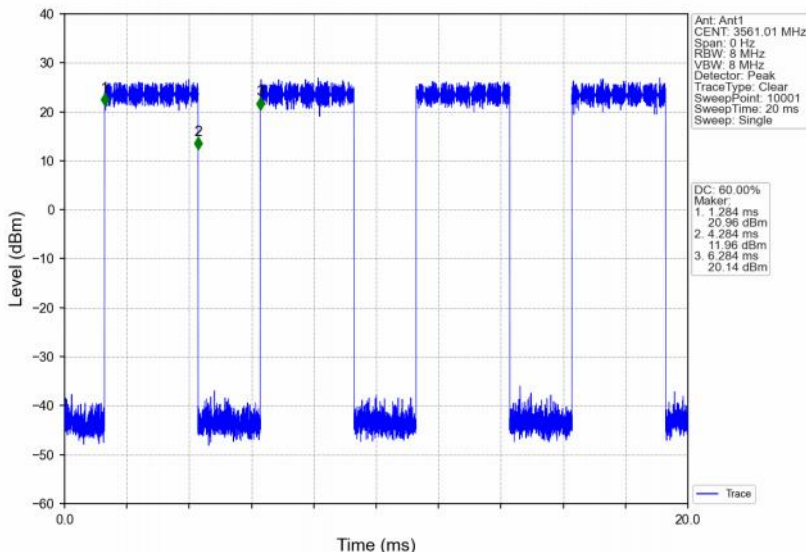


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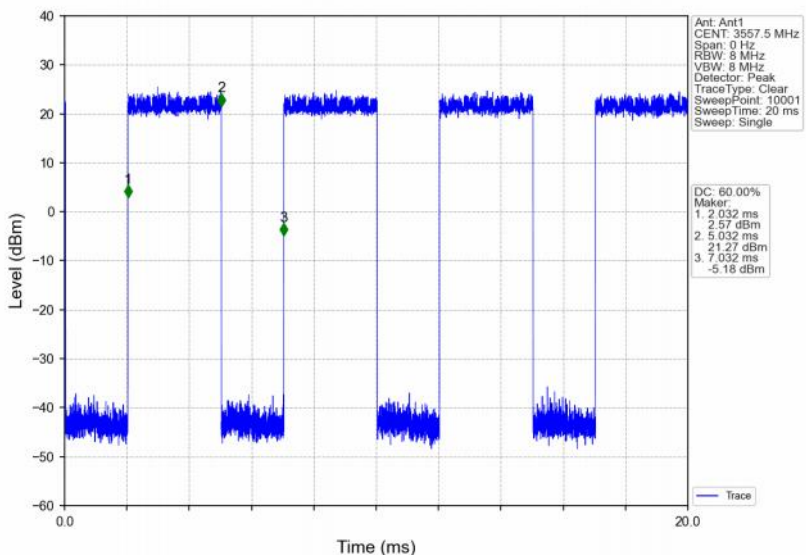
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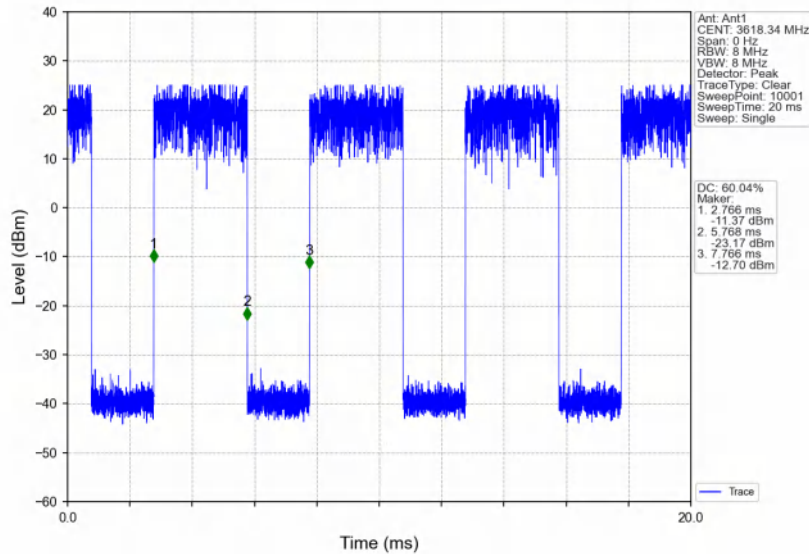


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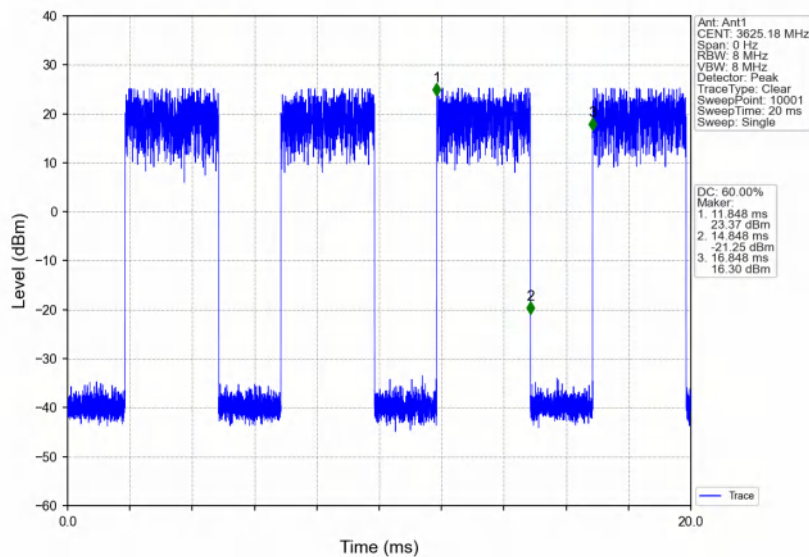
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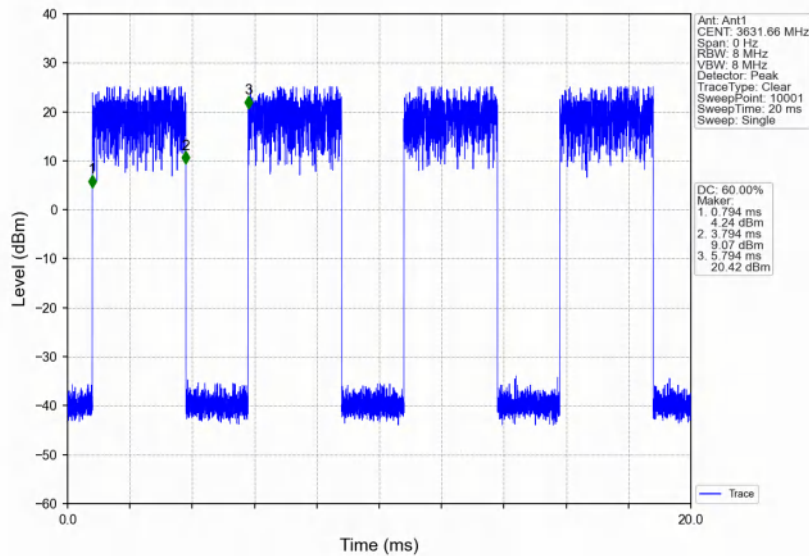


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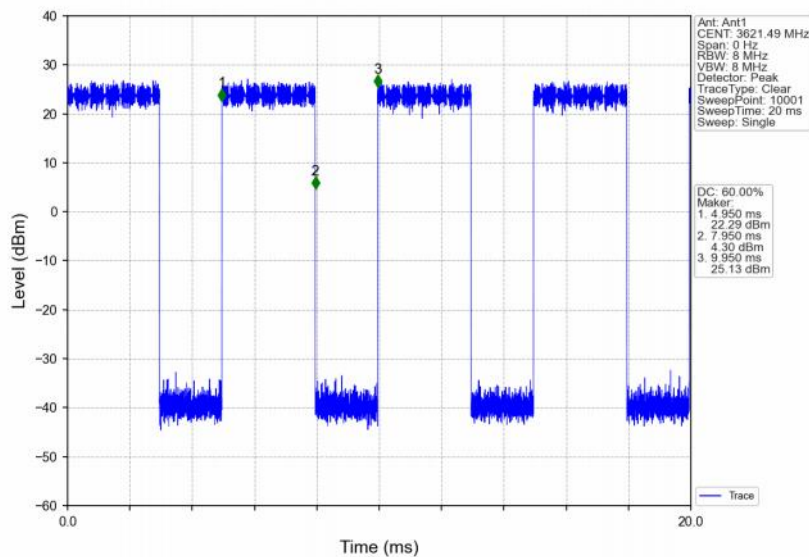
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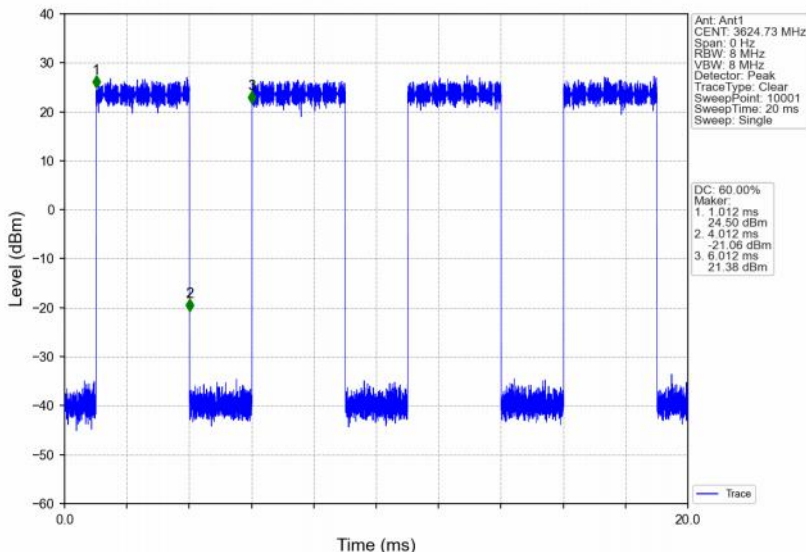


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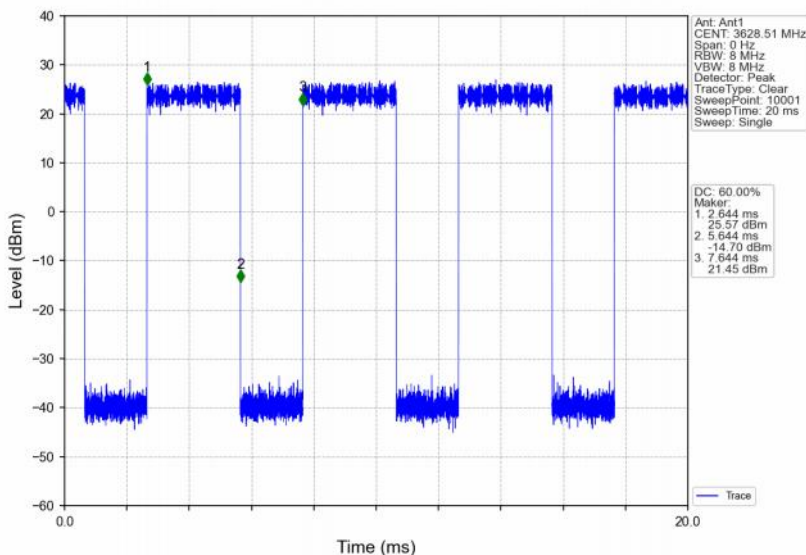
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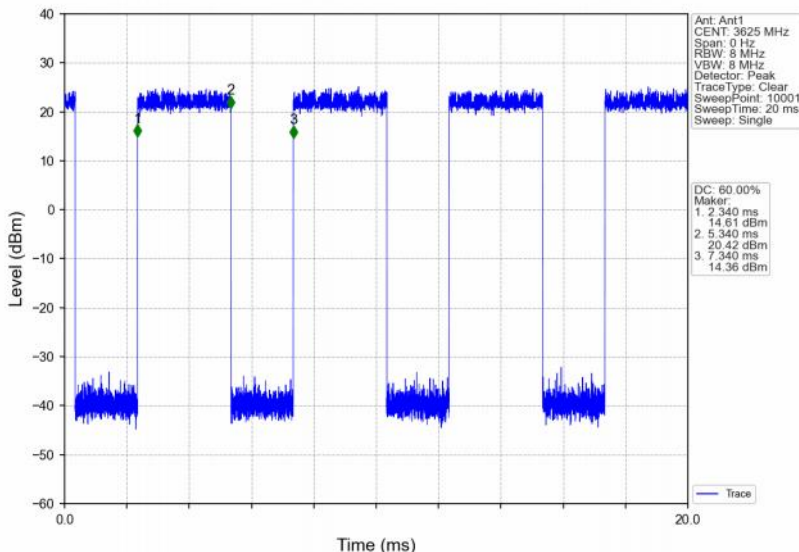


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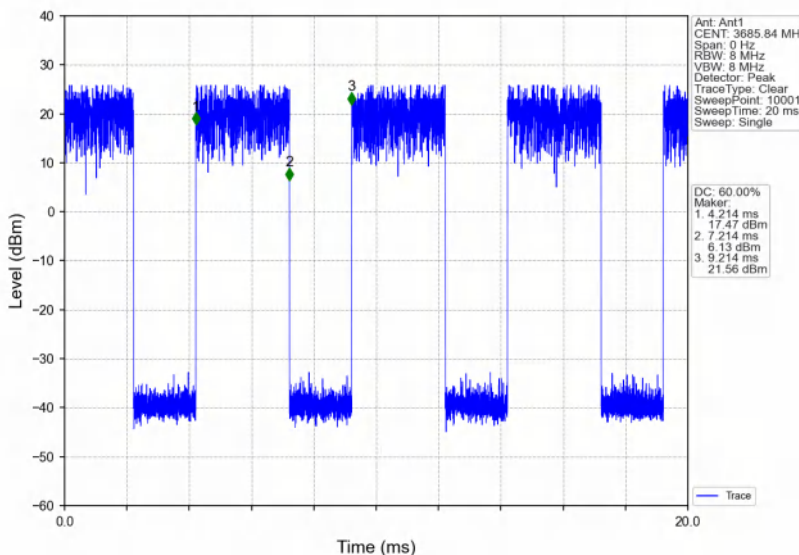
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Band48_15MHz_16QAM_HCH_3692.5MHz_RB_1_0_NTNV

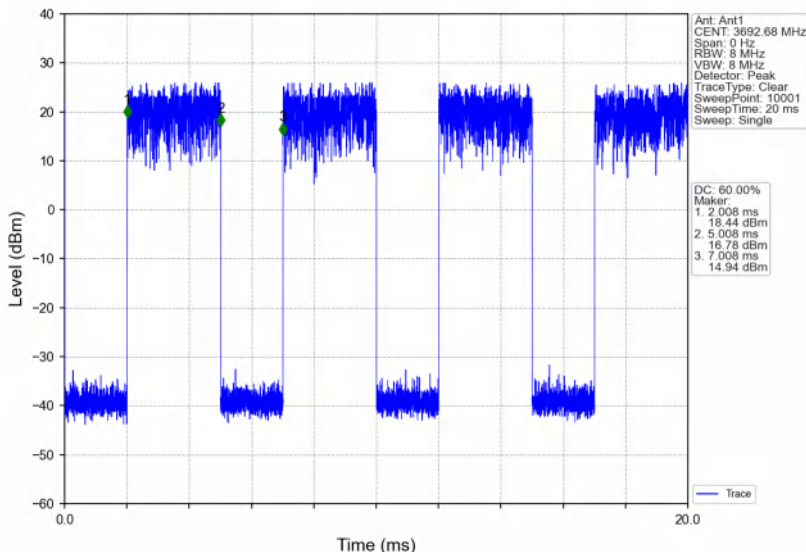


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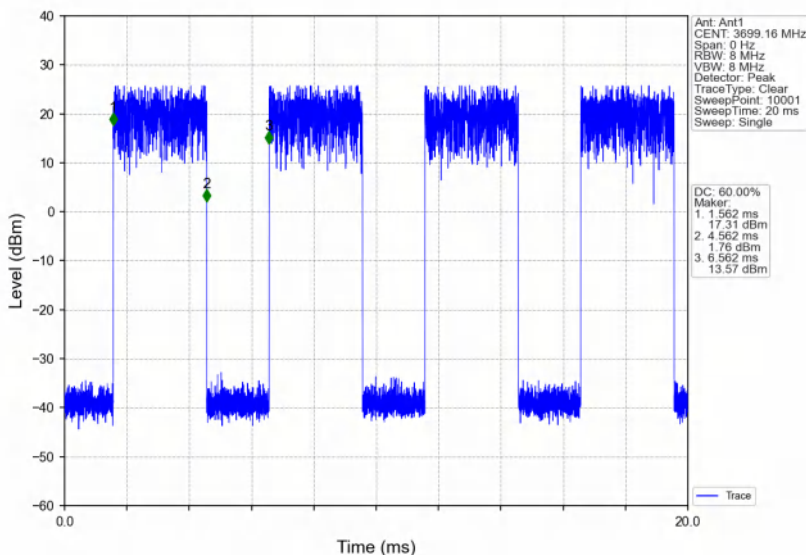
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Band48_15MHz_16QAM_HCH_3692.5MHz_RB_1_38_NTNV



Band48_15MHz_16QAM_HCH_3692.5MHz_RB_1_74_NTNV

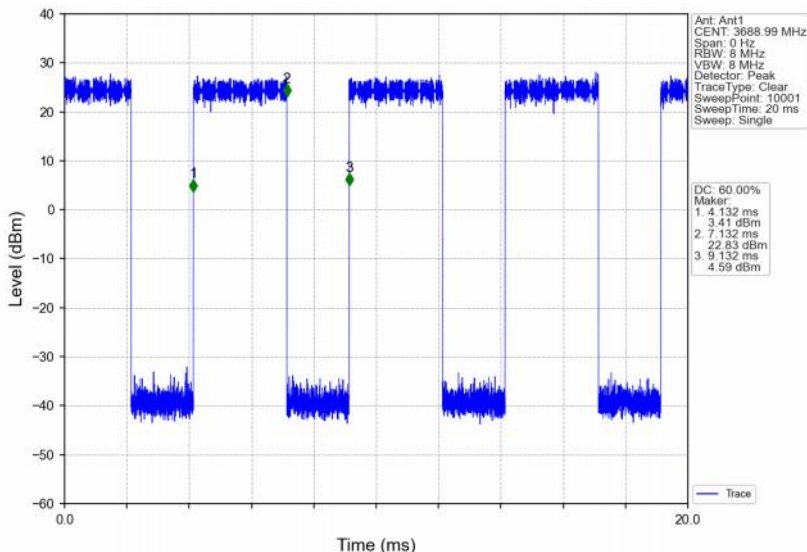


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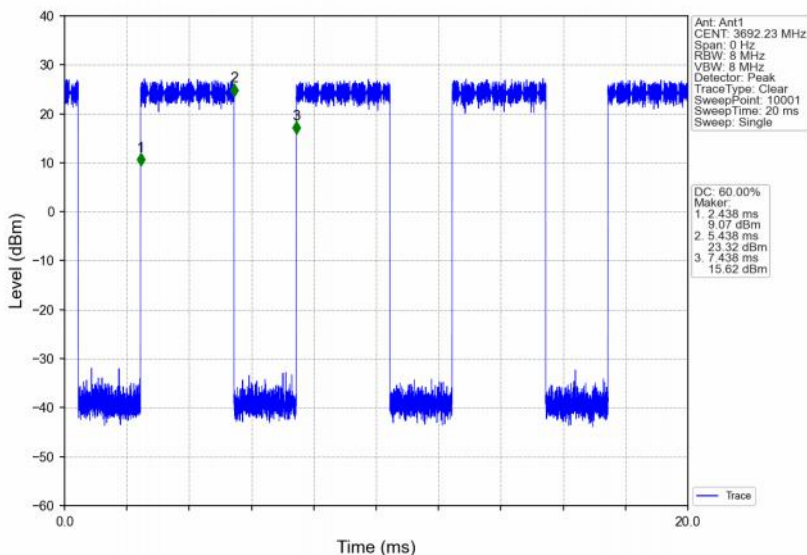
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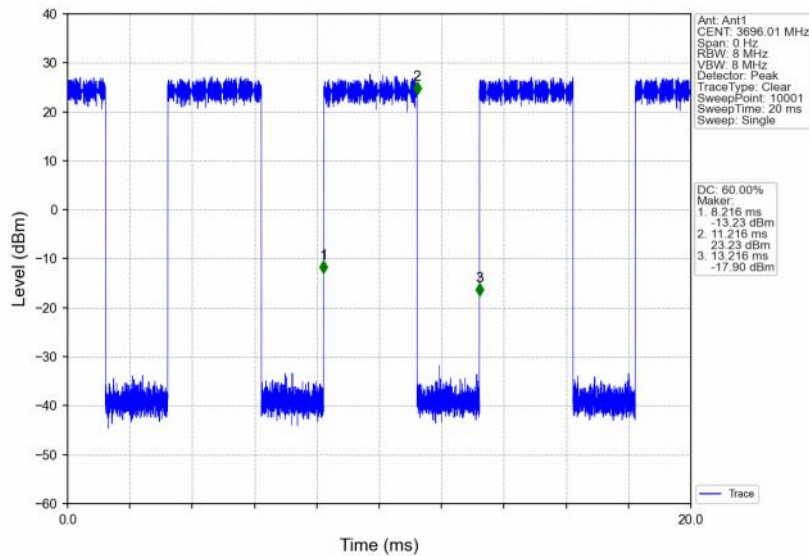


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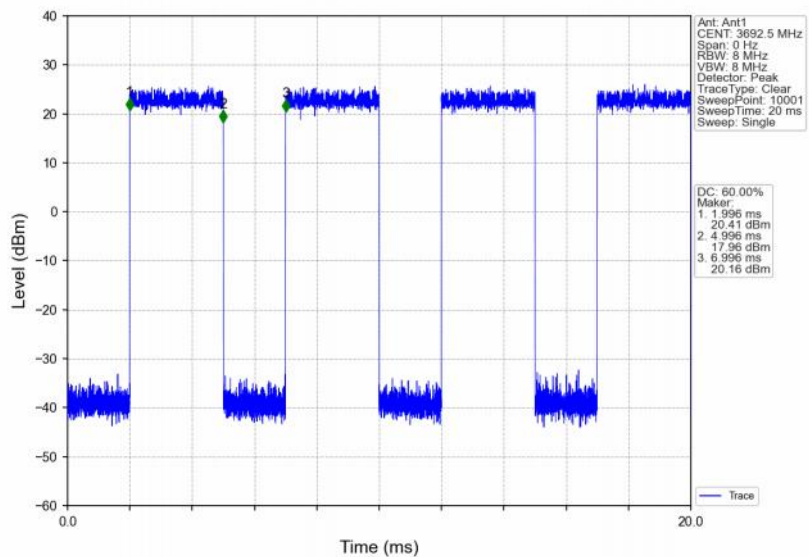
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Band48_15MHz_16QAM_HCH_3692.5MHz_RB_36_39_NTNV



Band48_15MHz_16QAM_HCH_3692.5MHz_RB_75_0_NTNV

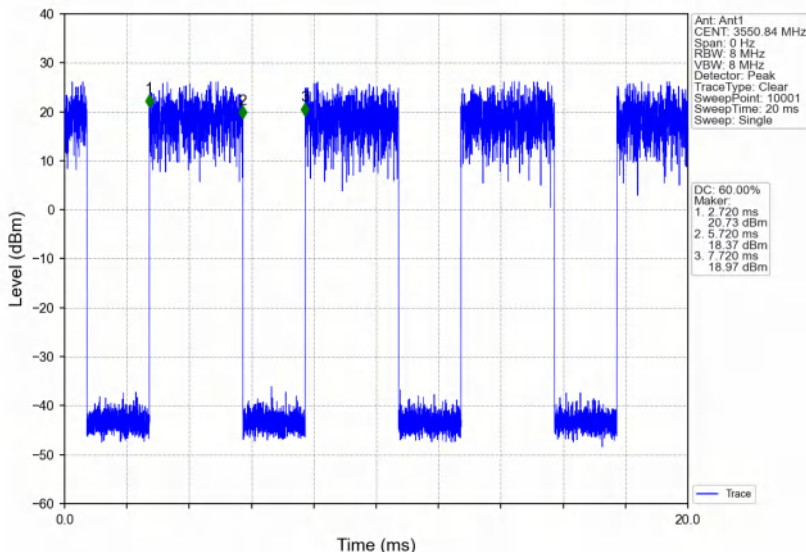


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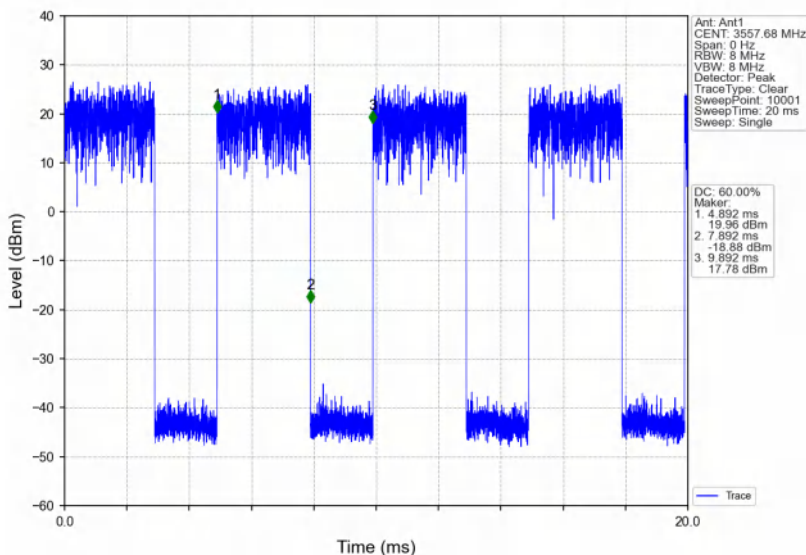
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Band48_15MHz_64QAM_LCH_3557.5MHz_RB_1_0_NTNV



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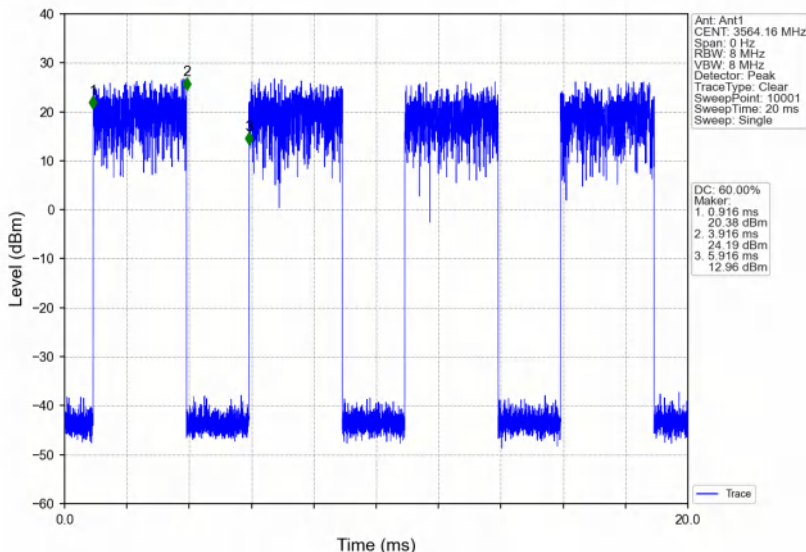


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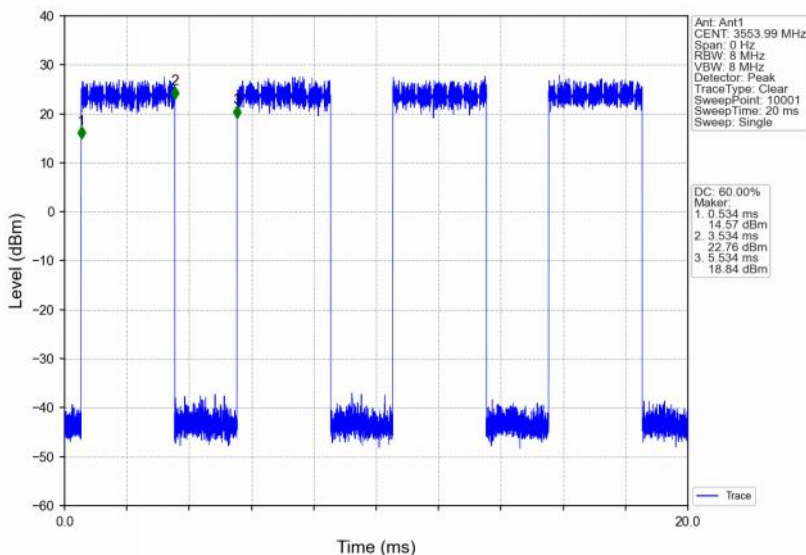
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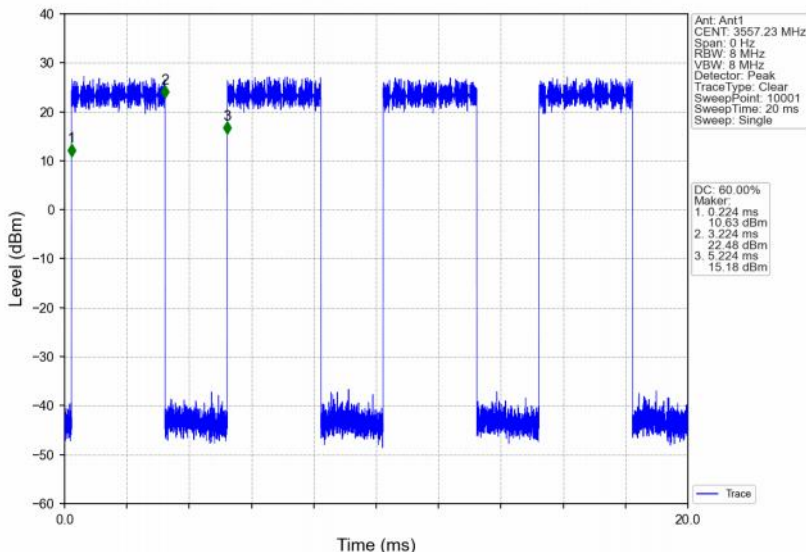


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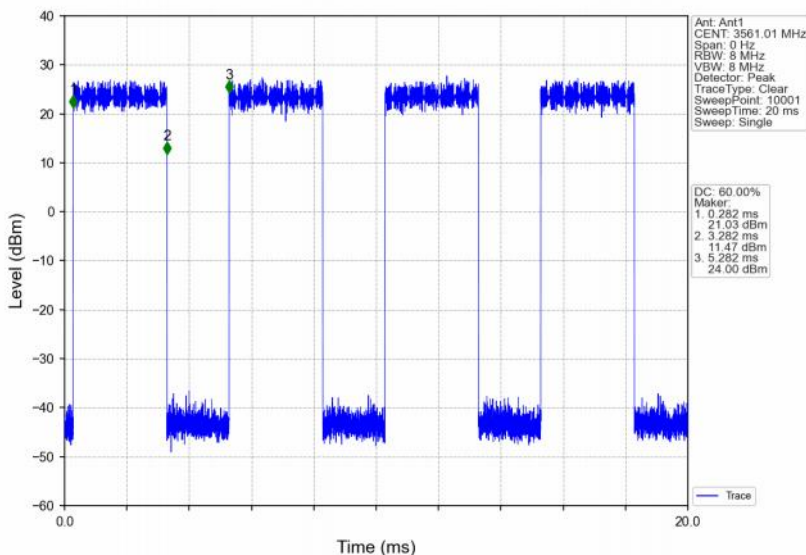
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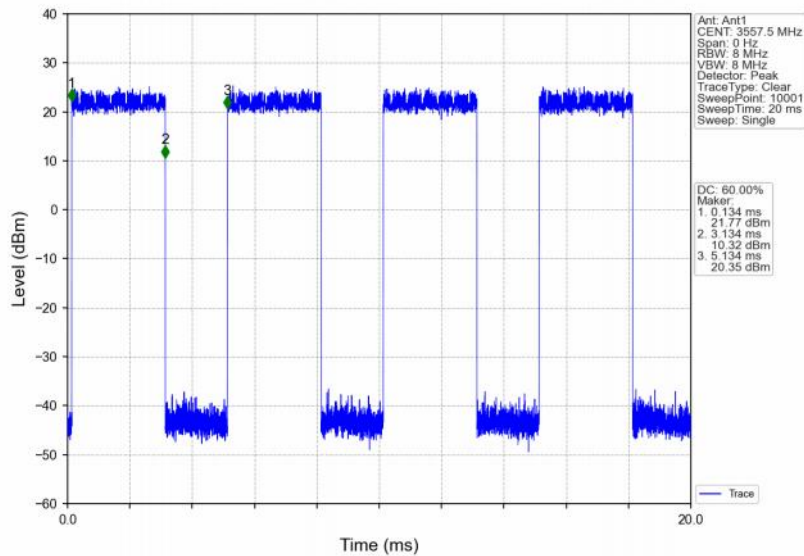


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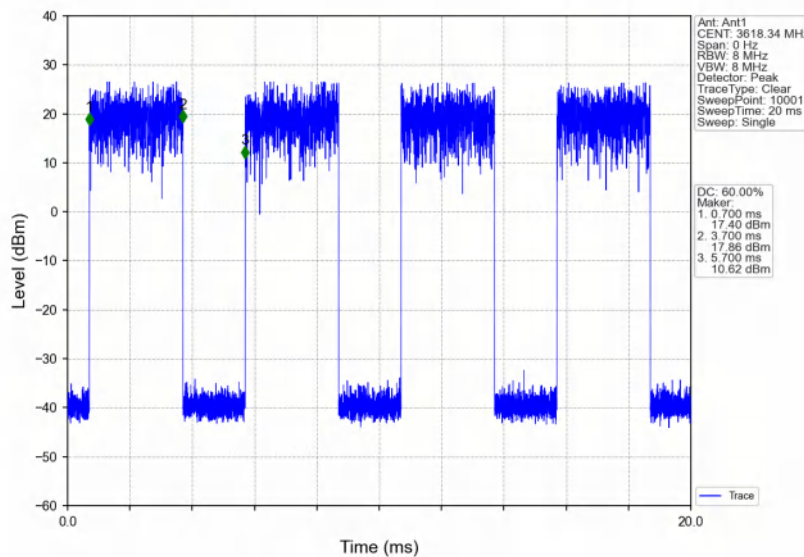
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Band48_15MHz_64QAM_LCH_3557.5MHz_RB_75_0_NTNV



Band48_15MHz_64QAM_MCH_3625MHz_RB_1_0_NTNV

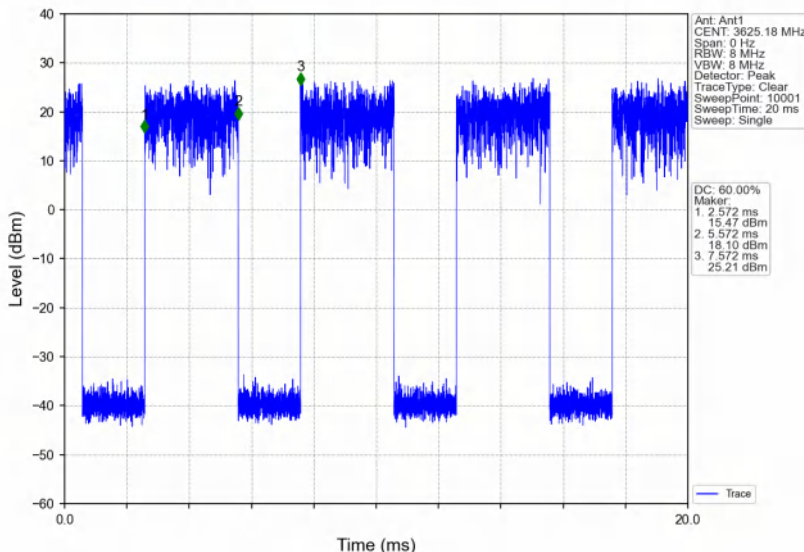


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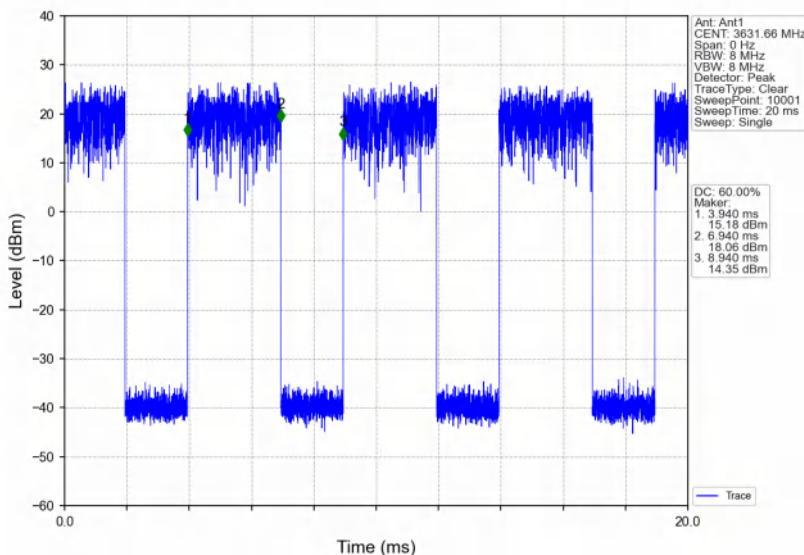
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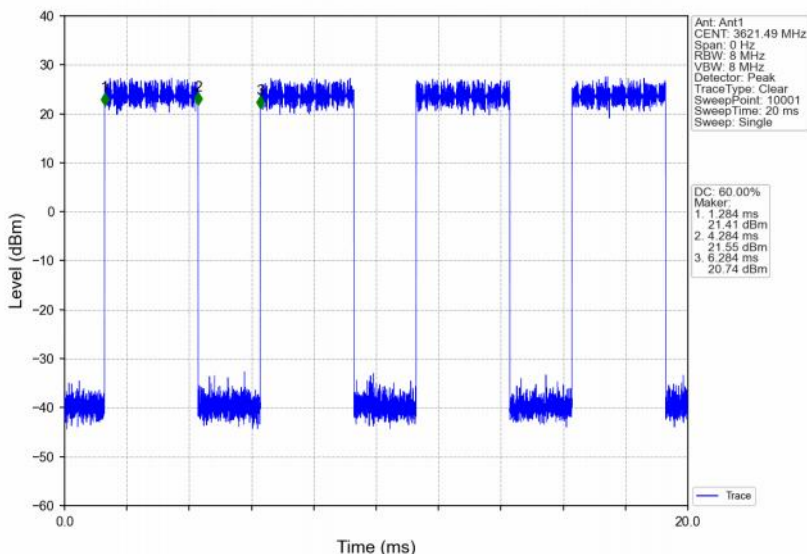


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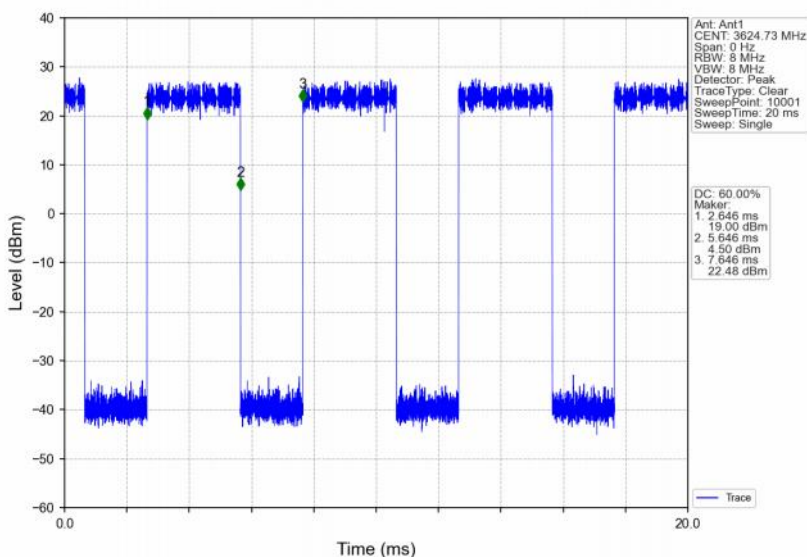
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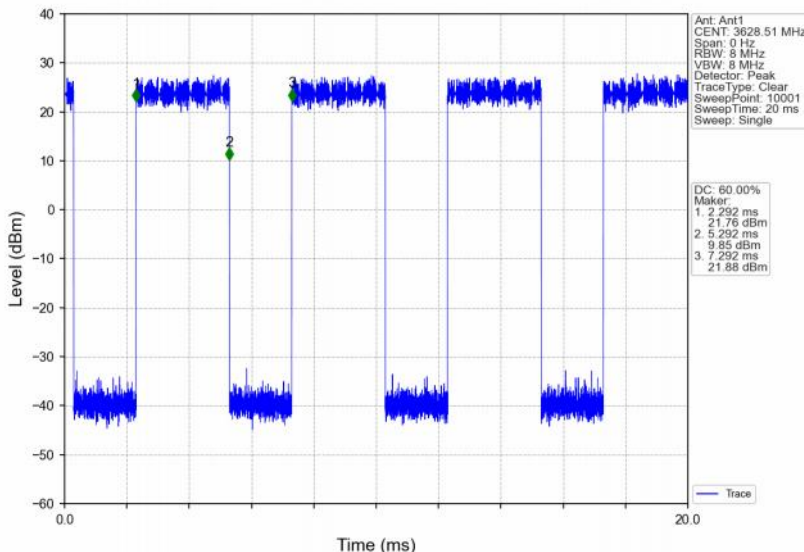


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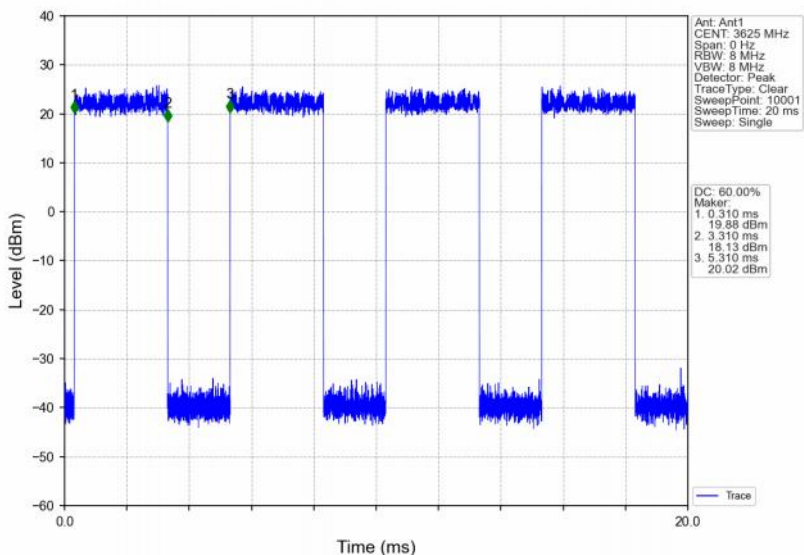
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Band48_15MHz_64QAM_MCH_3625MHz_RB_36_39_NTNV



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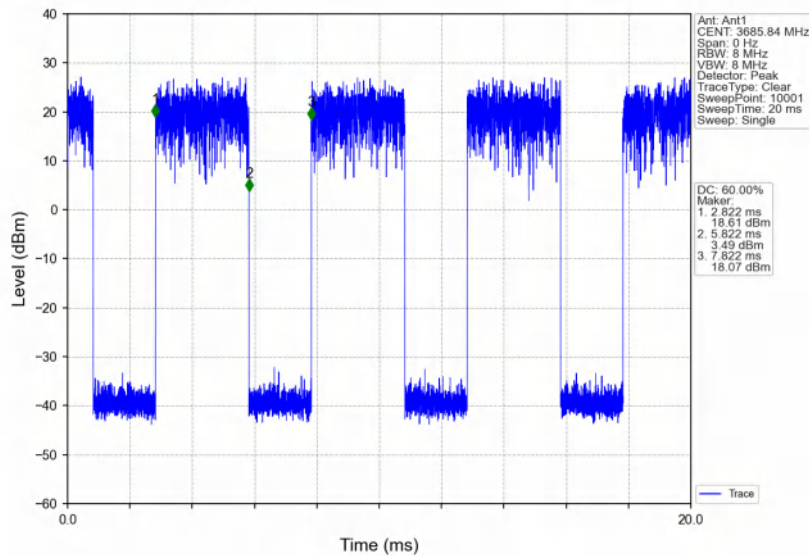


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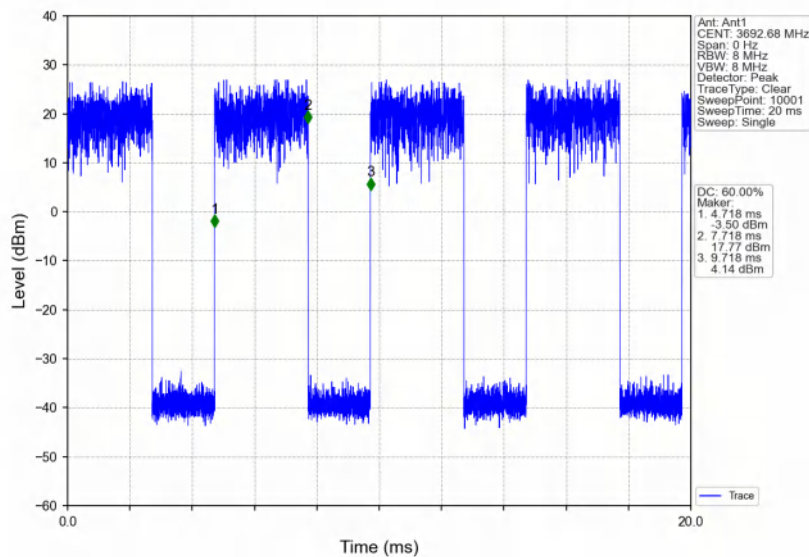
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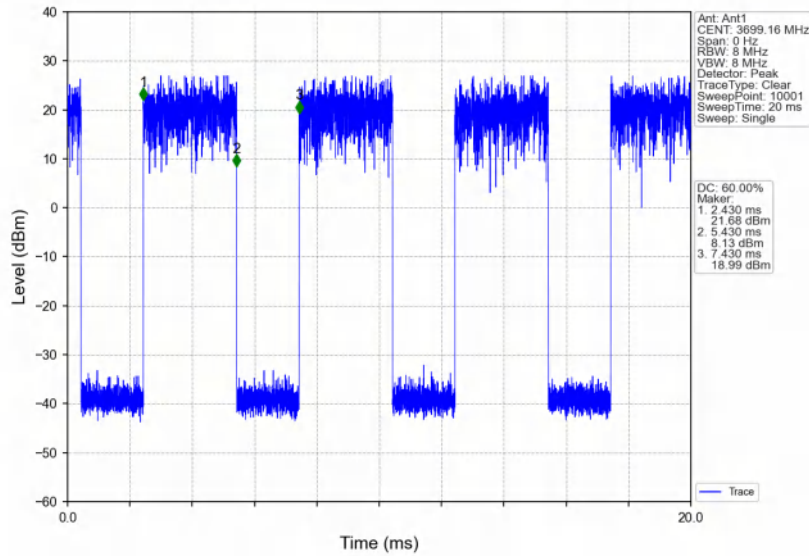


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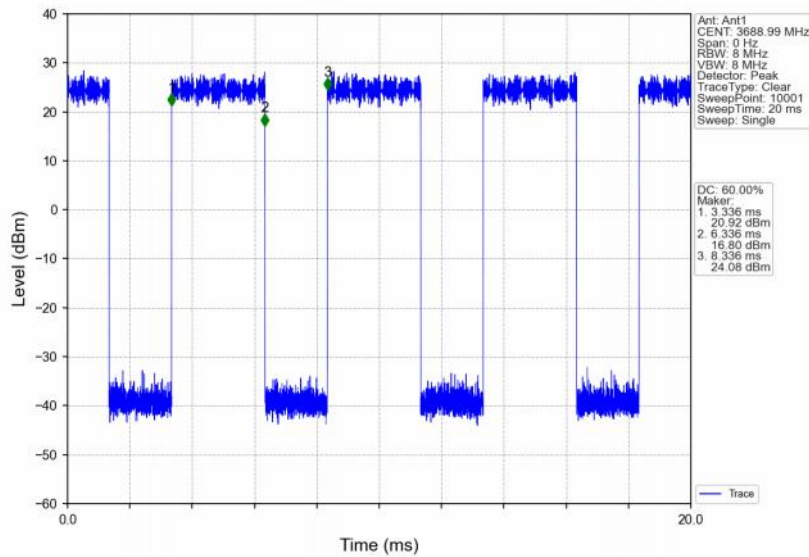
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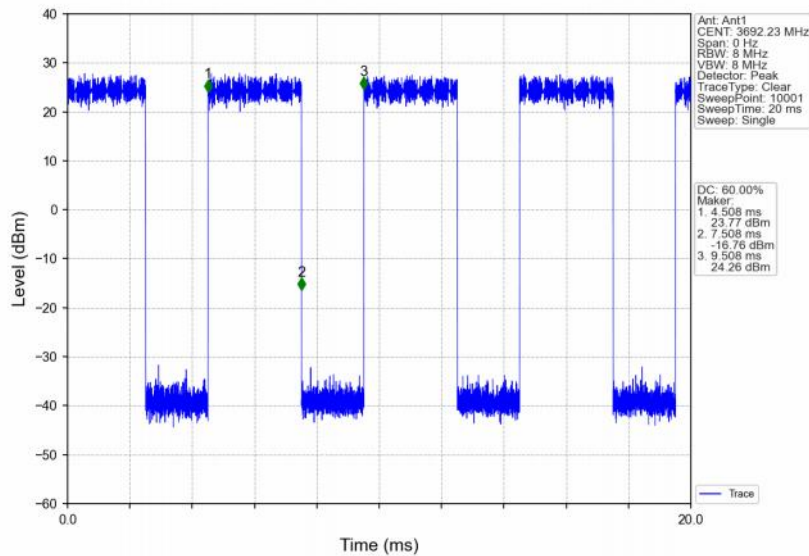


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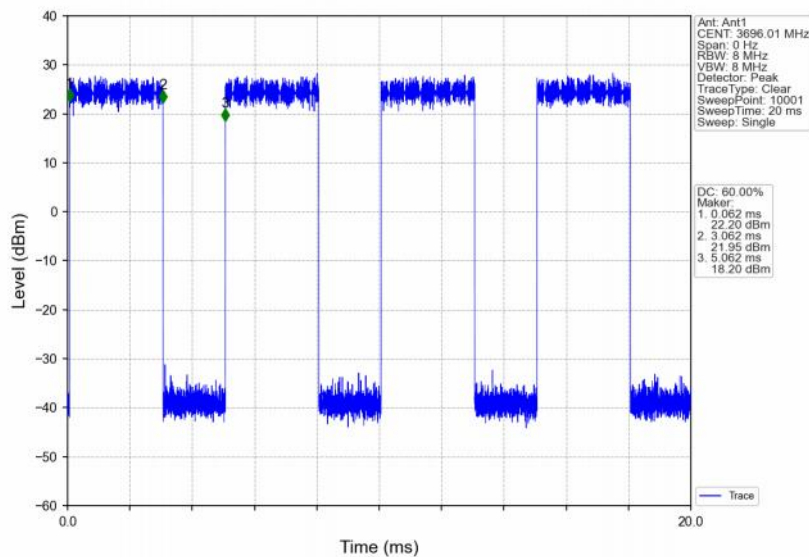
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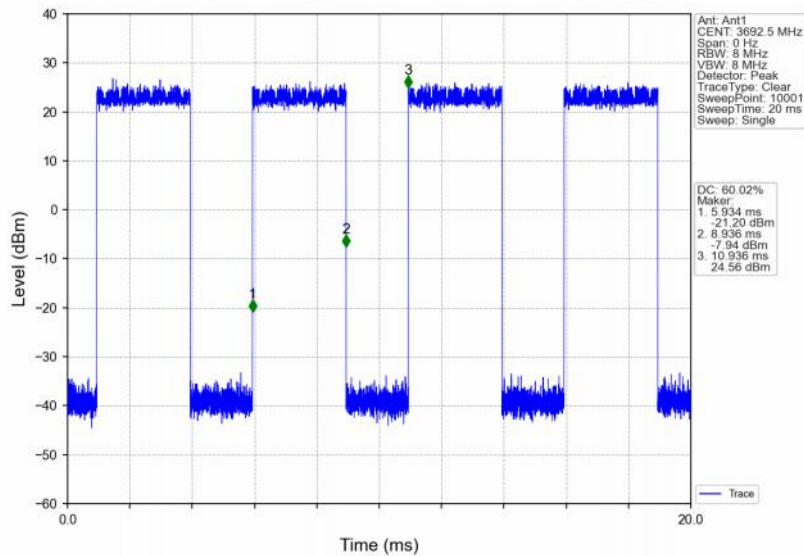


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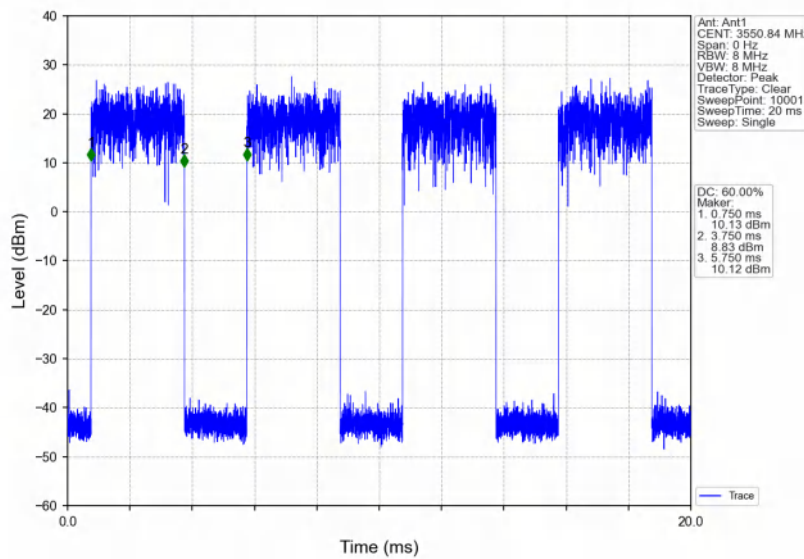
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Band48_15MHz_64QAM_HCH_3692.5MHz_RB_75_0_NTNV



Band48_15MHz_256QAM_LCH_3557.5MHz_RB_1_0_NTNV

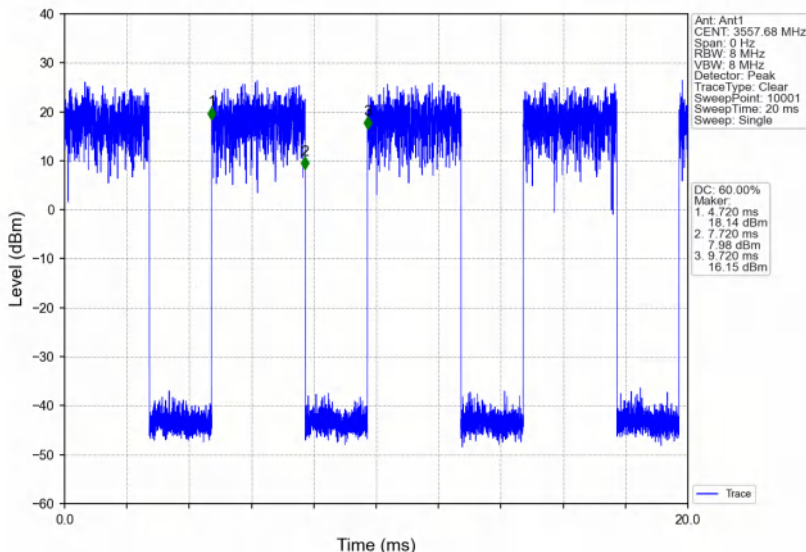


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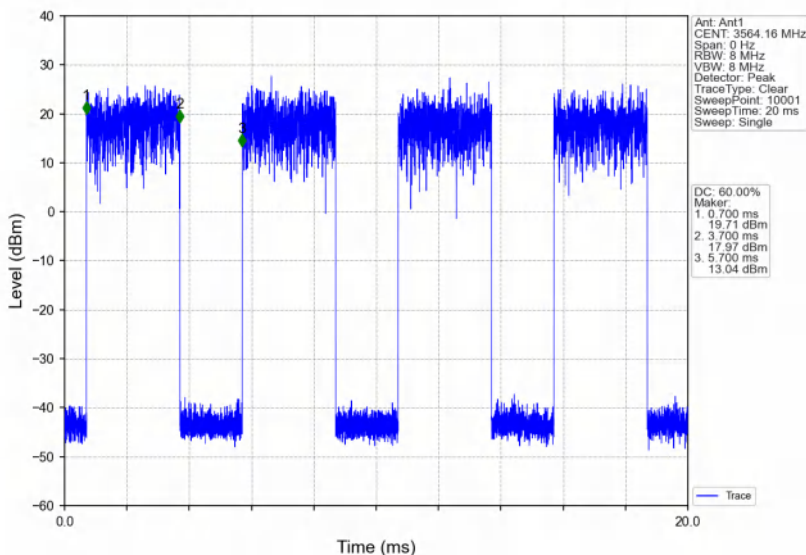
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Band48_15MHz_256QAM_LCH_3557.5MHz_RB_1_38_NTNV



Band48_15MHz_256QAM_LCH_3557.5MHz_RB_1_74_NTNV

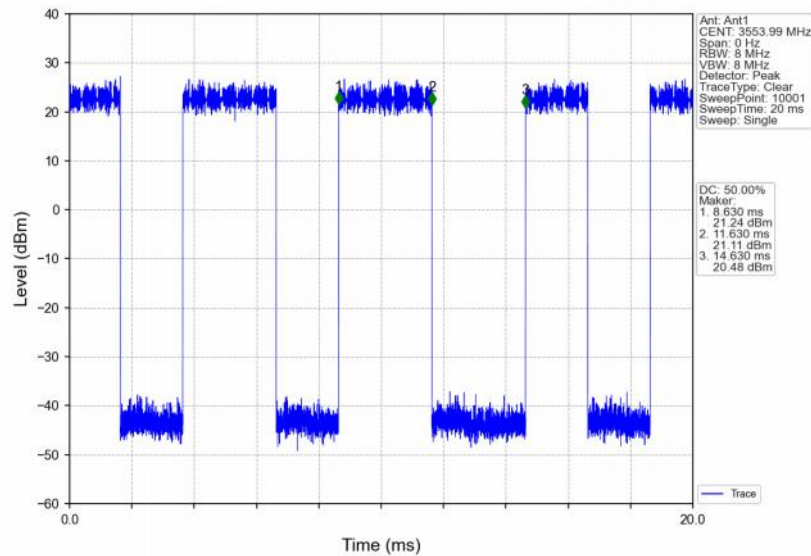


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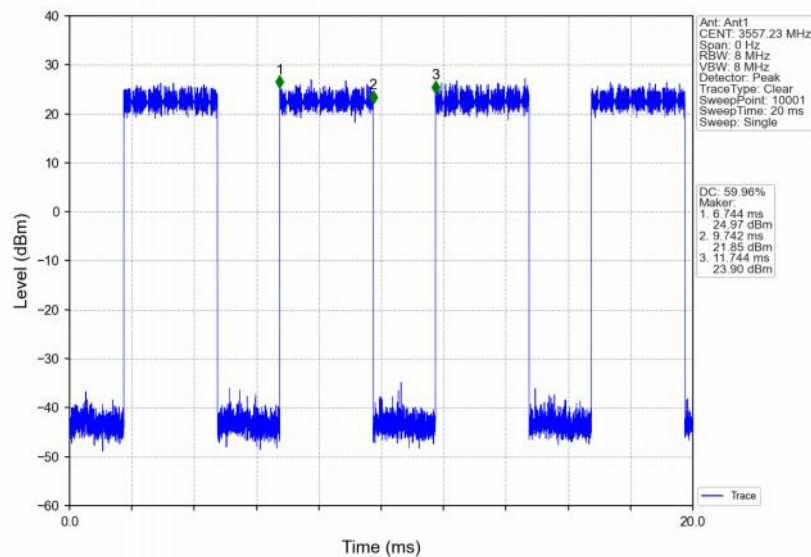
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Band48_15MHz_256QAM_LCH_3557.5MHz_RB_36_0_NTNV



Band48_15MHz_256QAM_LCH_3557.5MHz_RB_36_18_NTNV

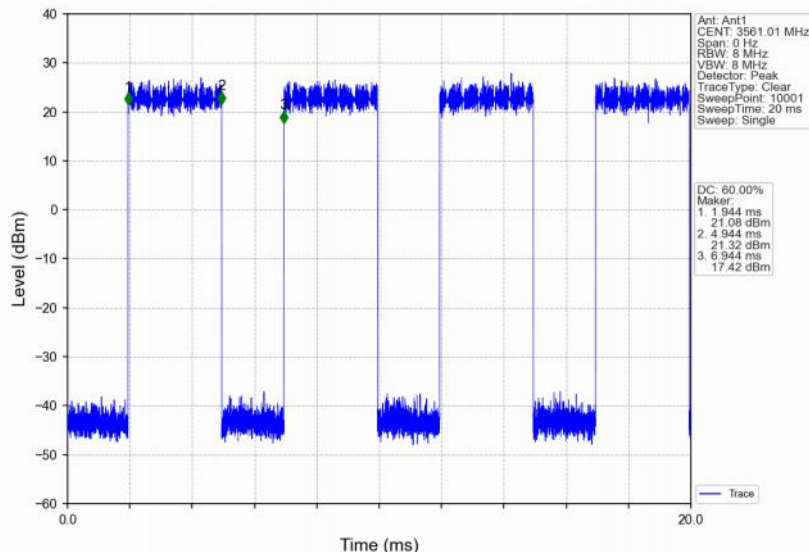


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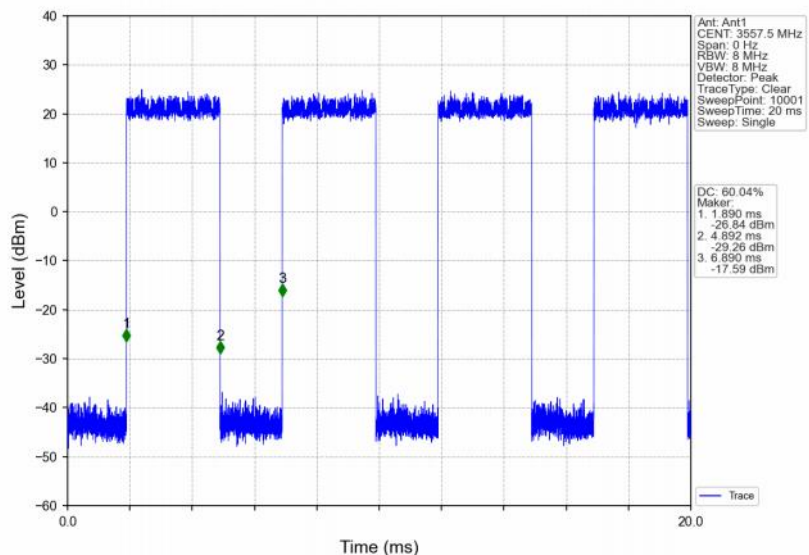
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Band48_15MHz_256QAM_LCH_3557.5MHz_RB_36_39_NTNV



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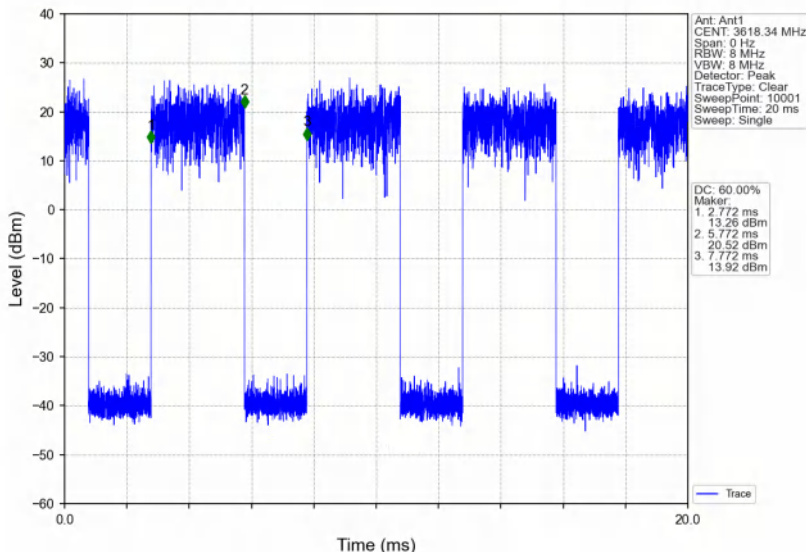


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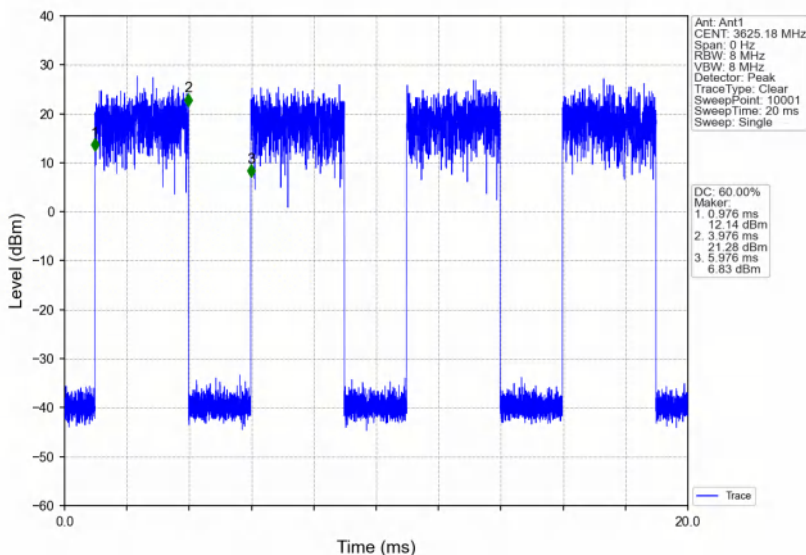
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Band48_15MHz_256QAM_MCH_3625MHz_RB_1_0_NTNV



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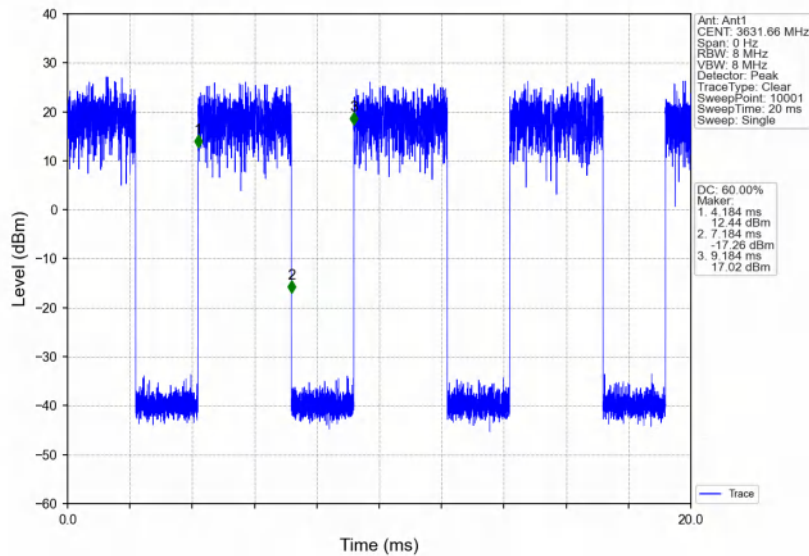


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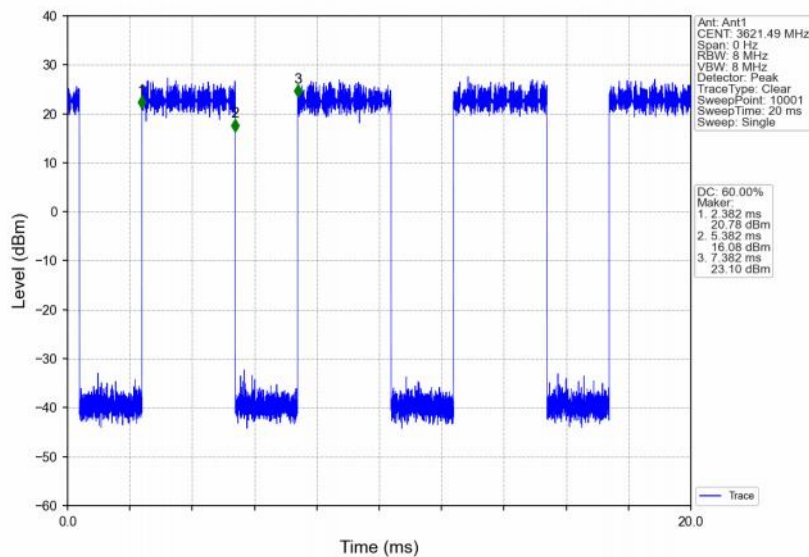
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Band48_15MHz_256QAM_MCH_3625MHz_RB_1_74_NTNV



Band48_15MHz_256QAM_MCH_3625MHz_RB_36_0_NTNV

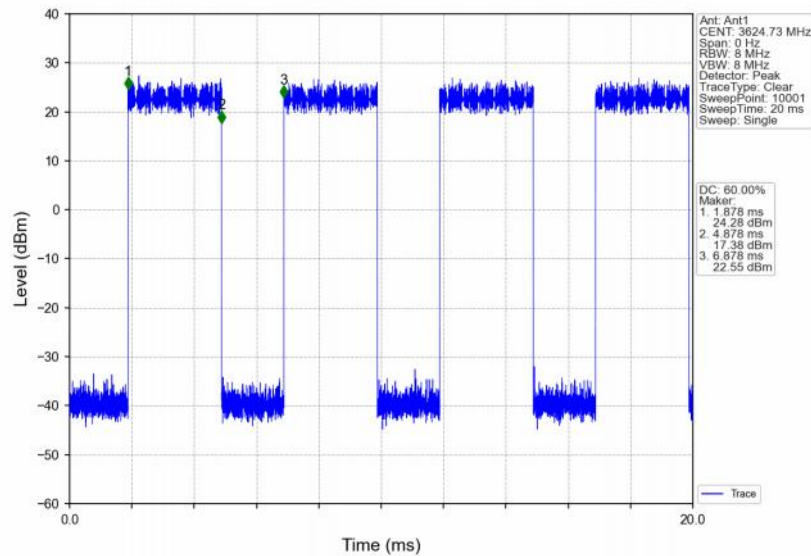


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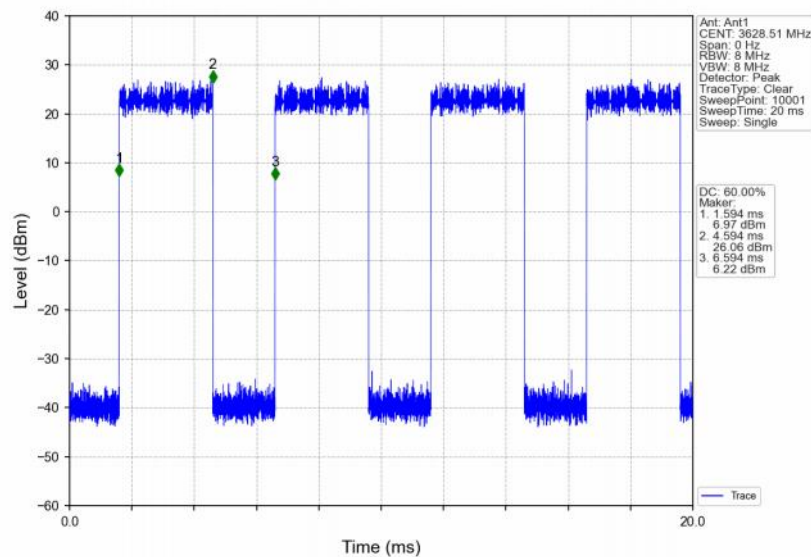
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Band48_15MHz_256QAM_MCH_3625MHz_RB_36_18_NTNV



Band48_15MHz_256QAM_MCH_3625MHz_RB_36_39_NTNV

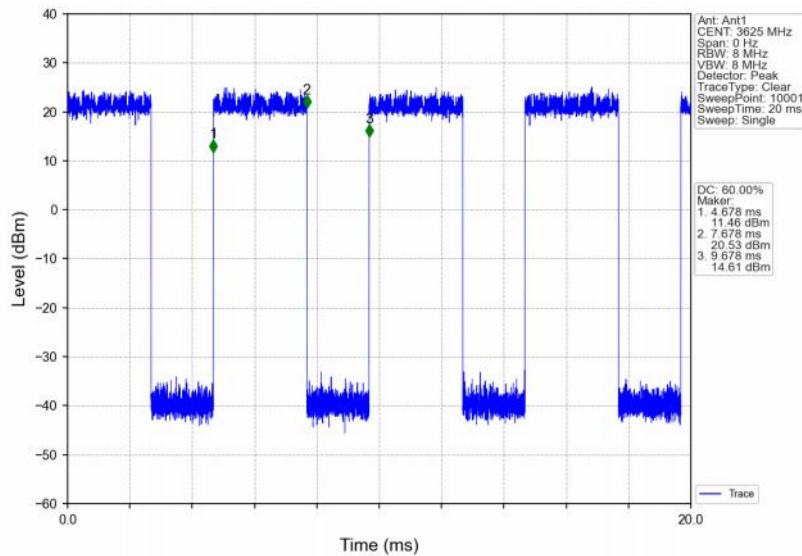


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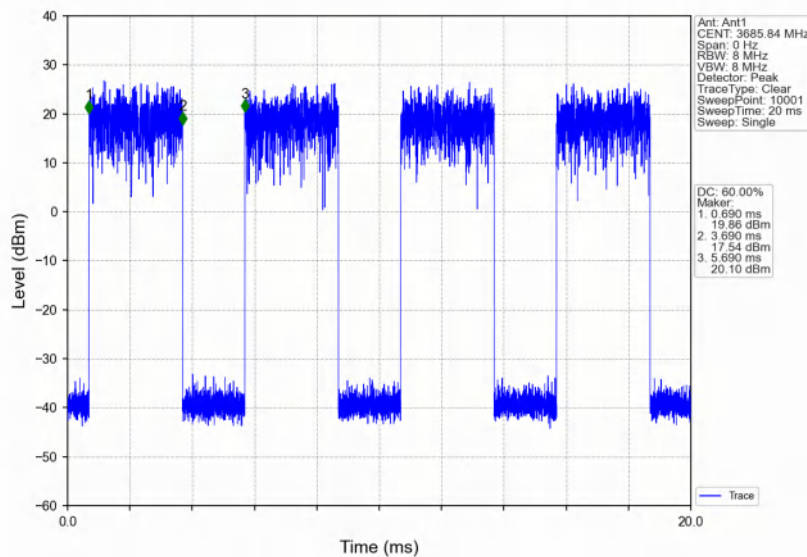
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Band48_15MHz_256QAM_HCH_3692.5MHz_RB_1_0_NTNV

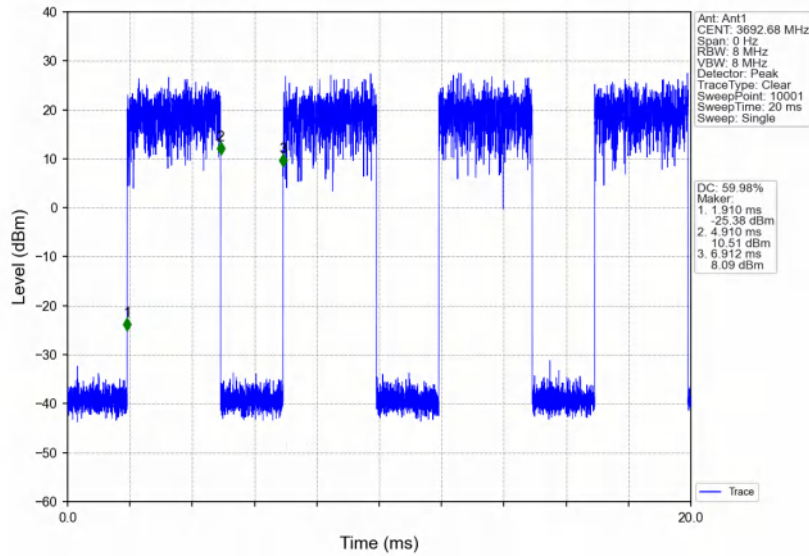


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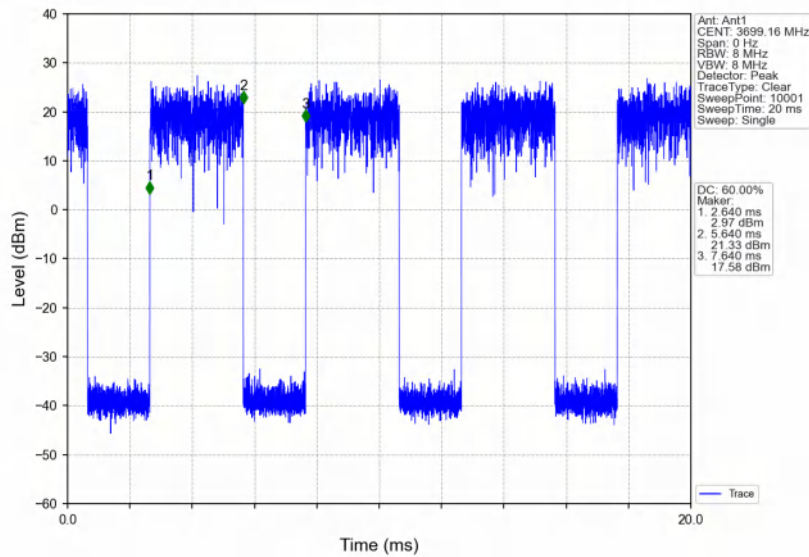
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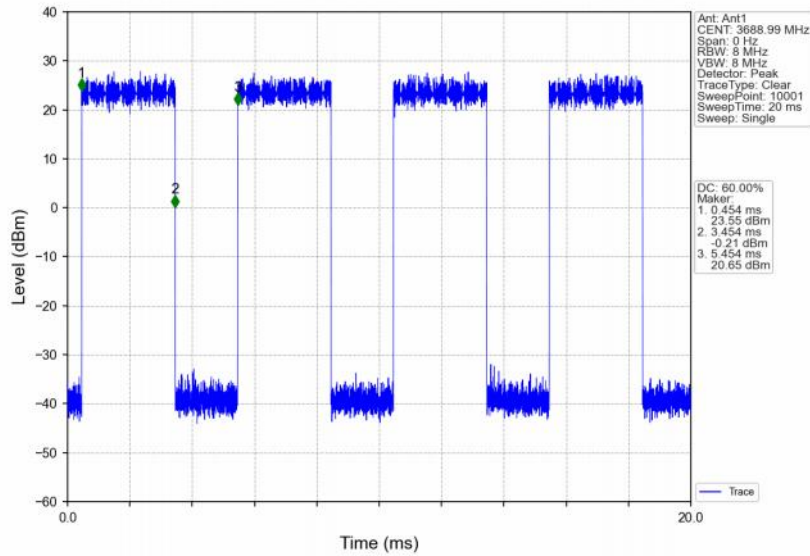


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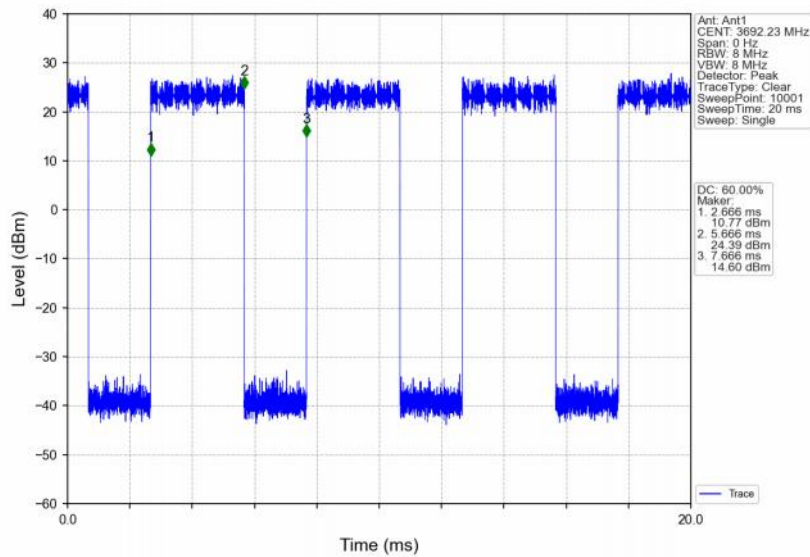
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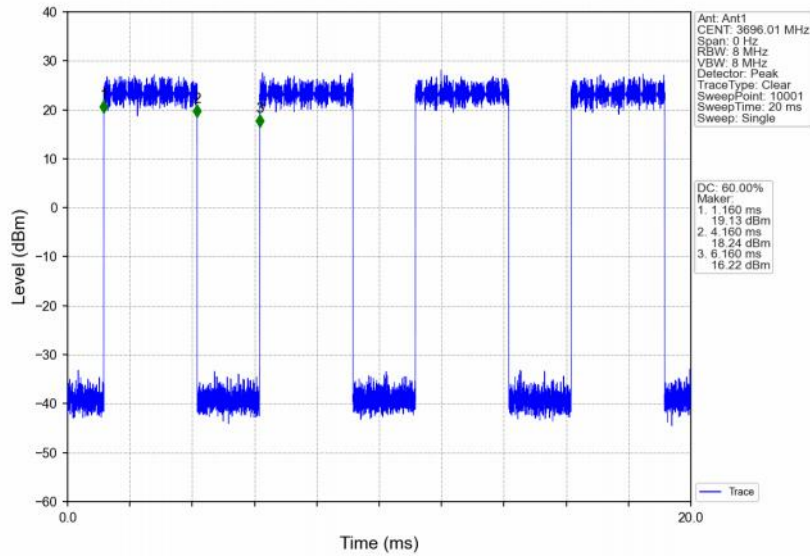


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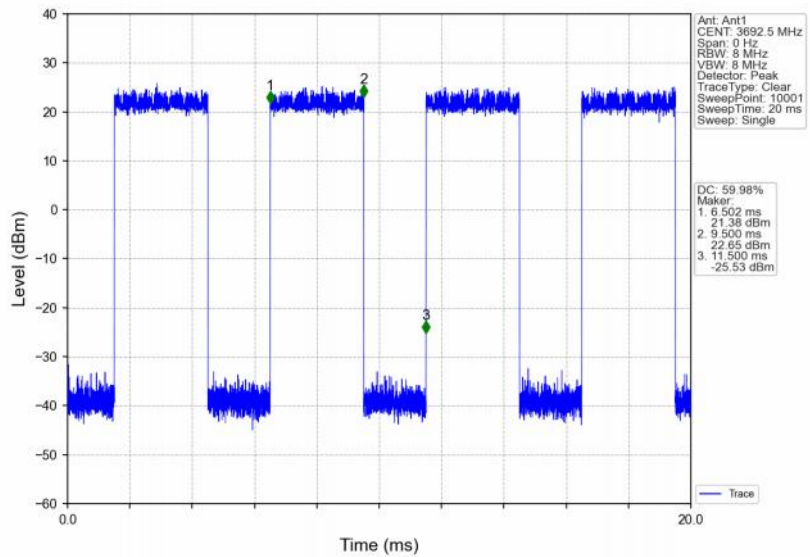
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Band48_15MHz_256QAM_HCH_3692.5MHz_RB_36_39_NTNV



Band48_15MHz_256QAM_HCH_3692.5MHz_RB_75_0_NTNV



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1.4 B48_20MHz

1.4.1 Test Result

Band: 48 / Bandwidth: 20MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)		
		Size	Offset							
QPSK	3560	1	0	3.002	5.002	60.02	2.22	0.02		
			50	3.000	5.000	60.00	2.22	0.00		
			99	3.000	5.000	60.00	2.22	0.00		
		50	0	3.000	5.000	60.00	2.22	0.00		
			25	3.000	5.000	60.00	2.22	0.00		
			50	3.000	5.000	60.00	2.22	0.00		
		100	0	3.002	5.002	60.02	2.22	0.02		
		3625	1	0	3.000	5.000	60.00	2.22	0.00	
				50	3.000	5.000	60.00	2.22	0.00	
	99			3.000	5.000	60.00	2.22	0.00		
	50		0	3.000	5.000	60.00	2.22	0.00		
			25	3.000	5.000	60.00	2.22	0.00		
			50	3.000	5.000	60.00	2.22	0.00		
	100		0	3.002	5.002	60.02	2.22	0.02		
	3690		1	0	3.000	5.000	60.00	2.22	0.00	
				50	3.000	5.000	60.00	2.22	0.00	
		99		3.002	5.000	60.04	2.22	0.00		
		50	0	3.000	5.000	60.00	2.22	0.00		
			25	3.000	5.000	60.00	2.22	0.00		
			50	3.000	5.000	60.00	2.22	0.00		
		100	0	3.000	5.000	60.00	2.22	0.00		
		16QAM	3560	1	0	3.000	5.000	60.00	2.22	0.00
					50	3.000	5.000	60.00	2.22	0.00
	99				3.000	5.000	60.00	2.22	0.00	
50	0			3.000	5.000	60.00	2.22	0.00		
	25			3.000	5.000	60.00	2.22	0.00		
	50			3.002	5.002	60.02	2.22	0.02		
100	0			3.002	5.000	60.04	2.22	0.00		
3625	1			0	3.000	5.000	60.00	2.22	0.00	
				50	3.000	5.000	60.00	2.22	0.00	
			99	3.000	5.000	60.00	2.22	0.00		
	50		0	3.000	5.000	60.00	2.22	0.00		
			25	3.000	5.000	60.00	2.22	0.00		
			50	3.000	5.000	60.00	2.22	0.00		
	100		0	3.000	5.000	60.00	2.22	0.00		
	3690		1	0	3.000	5.000	60.00	2.22	0.00	
				50	3.000	5.000	60.00	2.22	0.02	
99				3.002	5.000	60.04	2.22	0.00		
50			0	3.000	5.000	60.00	2.22	0.00		
			25	3.000	5.000	60.00	2.22	0.00		
			50	3.000	5.000	60.00	2.22	0.00		
100			0	3.000	5.000	60.00	2.22	0.00		
64QAM			3560	1	0	3.002	5.000	60.04	2.22	0.00
					50	3.000	5.000	60.00	2.22	0.04
	99				3.000	5.000	60.00	2.22	0.00	
	50	0		3.000	5.000	60.00	2.22	0.00		



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256QAM	3625	100	25	3.000	5.000	60.00	2.22	0.00	
			50	3.000	5.000	60.00	2.22	0.04	
			0	3.002	5.000	60.04	2.22	0.00	
		1	1	0	3.000	5.000	60.00	2.22	0.00
				50	3.000	5.000	60.00	2.22	0.04
				99	3.000	5.000	60.00	2.22	0.00
			50	0	3.000	5.000	60.00	2.22	0.00
				25	3.000	5.000	60.00	2.22	0.00
				50	3.000	5.000	60.00	2.22	0.00
	100	0	3.000	5.000	60.00	2.22	0.00		
		0	3.000	5.000	60.00	2.22	0.04		
		50	3.000	5.000	60.00	2.22	0.00		
	3690	1	1	0	3.000	5.000	60.00	2.22	0.04
				50	3.000	5.000	60.00	2.22	0.00
				99	3.000	5.000	60.00	2.22	0.04
			50	0	3.000	5.000	60.00	2.22	0.00
				25	3.000	5.000	60.00	2.22	0.00
				50	3.000	5.000	60.00	2.22	0.00
		100	0	3.000	4.998	60.02	2.22	0.02	
			0	3.000	5.000	60.00	2.22	0.00	
			50	3.000	5.000	60.00	2.22	0.00	
	3560	1	1	0	3.000	5.000	60.00	2.22	0.00
				50	3.000	5.000	60.00	2.22	0.00
				99	3.000	5.000	60.00	2.22	0.04
50			0	3.000	5.000	60.00	2.22	0.00	
			25	3.000	5.000	60.00	2.22	0.00	
			50	3.000	5.000	60.00	2.22	0.00	
100		0	3.000	5.000	60.00	2.22	0.00		
		0	3.000	5.000	60.00	2.22	0.00		
		50	3.000	5.000	60.00	2.22	0.00		
3625	1	1	0	3.000	5.000	60.00	2.22	0.00	
			50	3.000	5.000	60.00	2.22	0.00	
			99	3.000	5.000	60.00	2.22	0.00	
		50	0	3.000	5.000	60.00	2.22	0.00	
			25	3.000	5.000	60.00	2.22	0.00	
			50	3.000	5.000	60.00	2.22	0.00	
	100	0	3.000	5.000	60.00	2.22	0.02		
		0	3.000	5.000	60.00	2.22	0.00		
		50	3.000	5.000	60.00	2.22	0.00		
3690	1	1	0	3.000	5.000	60.00	2.22	0.00	
			50	3.000	5.000	60.00	2.22	0.00	
			99	3.000	5.000	60.00	2.22	0.00	
		50	0	3.000	5.000	60.00	2.22	0.00	
			25	3.000	5.000	60.00	2.22	0.00	
			50	3.000	5.000	60.00	2.22	0.00	
	100	0	3.000	5.000	60.00	2.22	0.02		
		0	3.000	5.000	60.00	2.22	0.00		
		50	3.000	5.000	60.00	2.22	0.00		

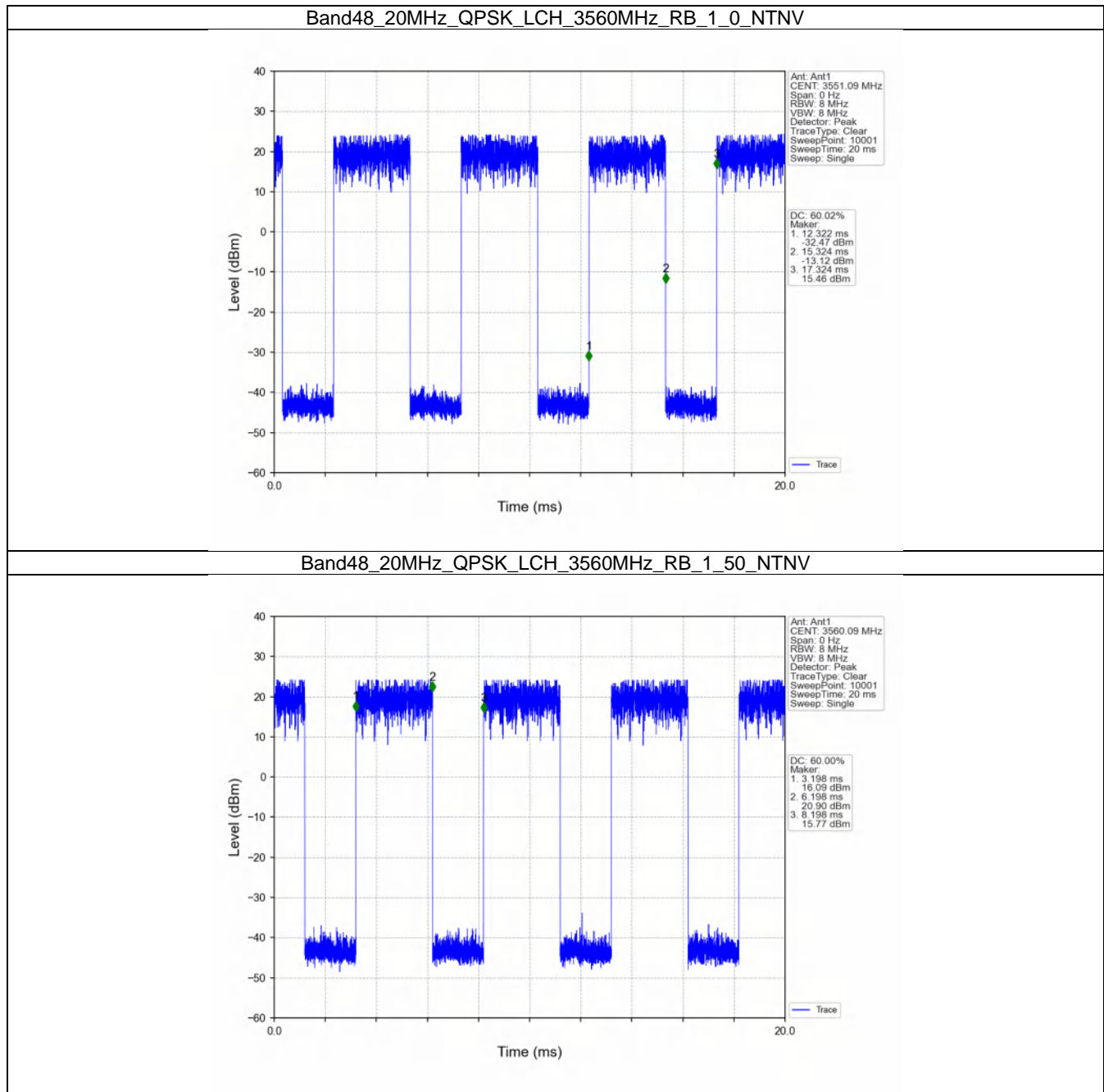


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1.4.2 Test Graph

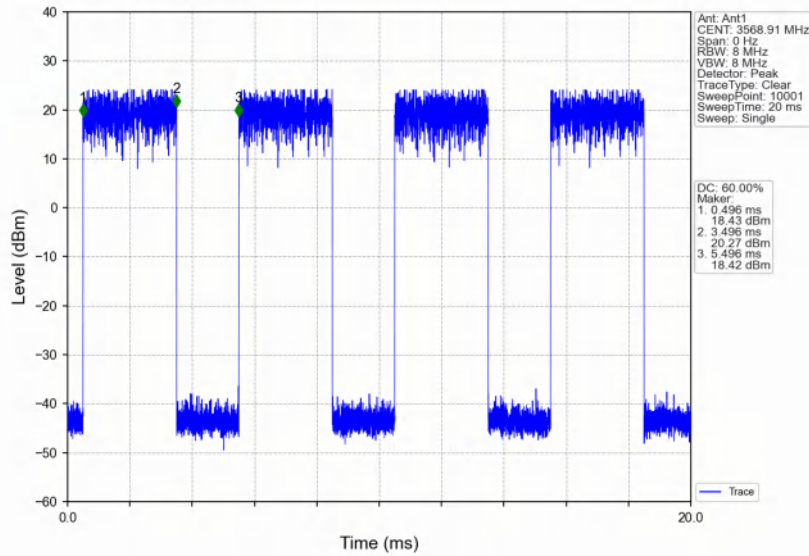


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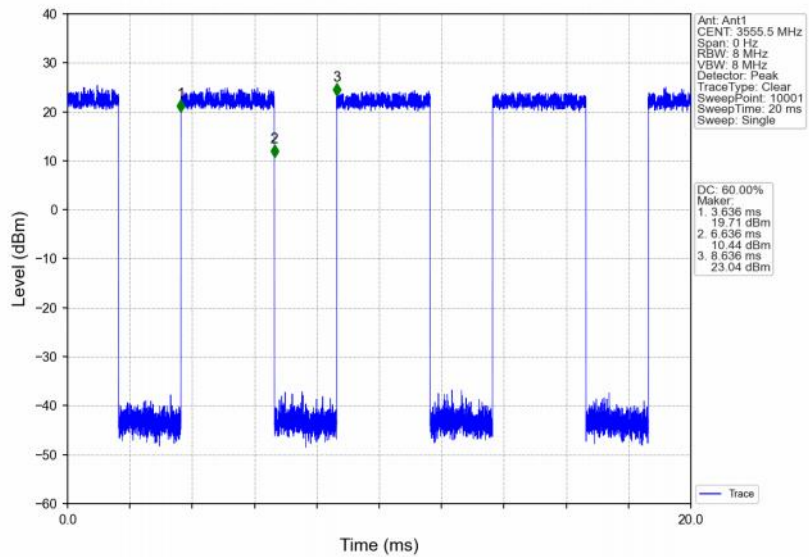
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Band48_20MHz_QPSK_LCH_3560MHz_RB_1_99_NTNV



Band48_20MHz_QPSK_LCH_3560MHz_RB_50_0_NTNV

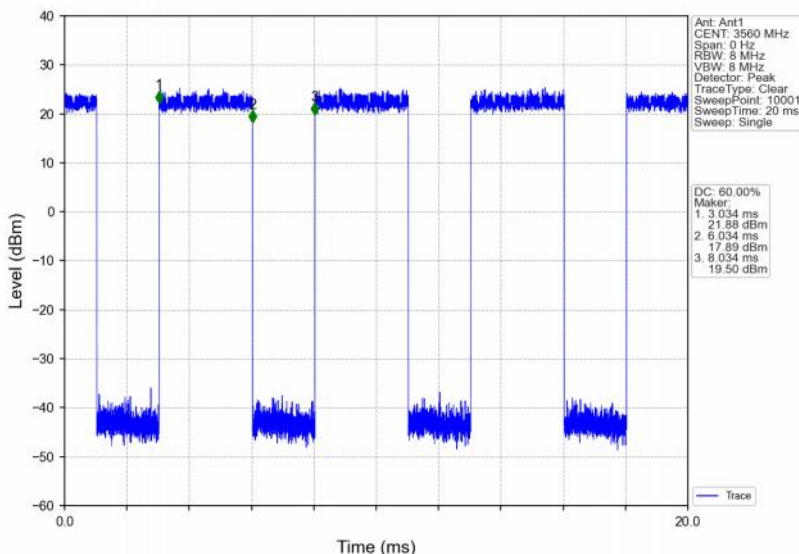


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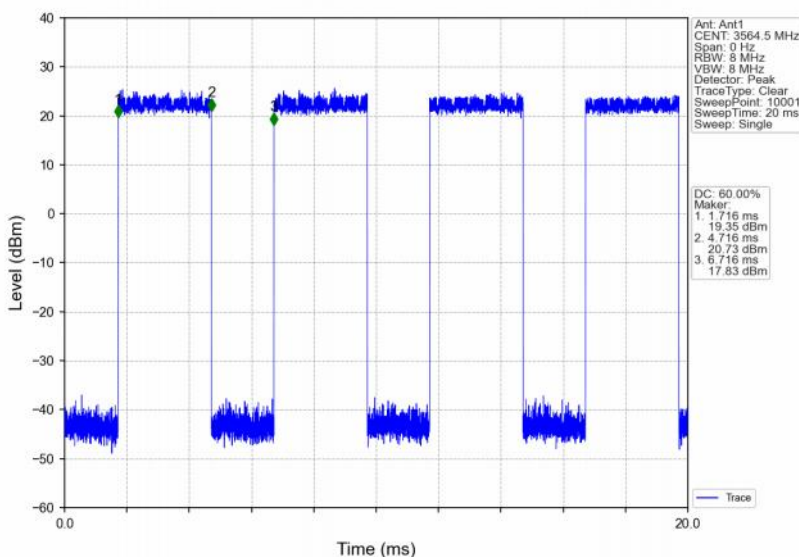
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Band48_20MHz_QPSK_LCH_3560MHz_RB_50_25_NTNV



Band48_20MHz_QPSK_LCH_3560MHz_RB_50_50_NTNV

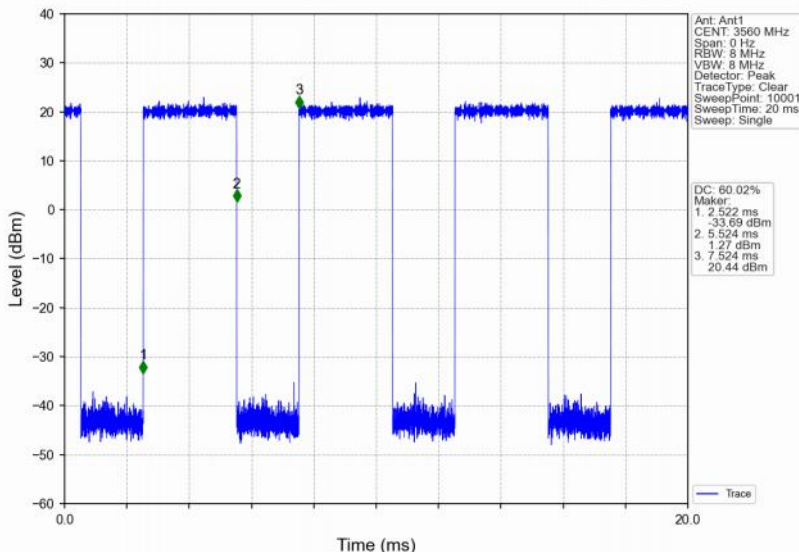


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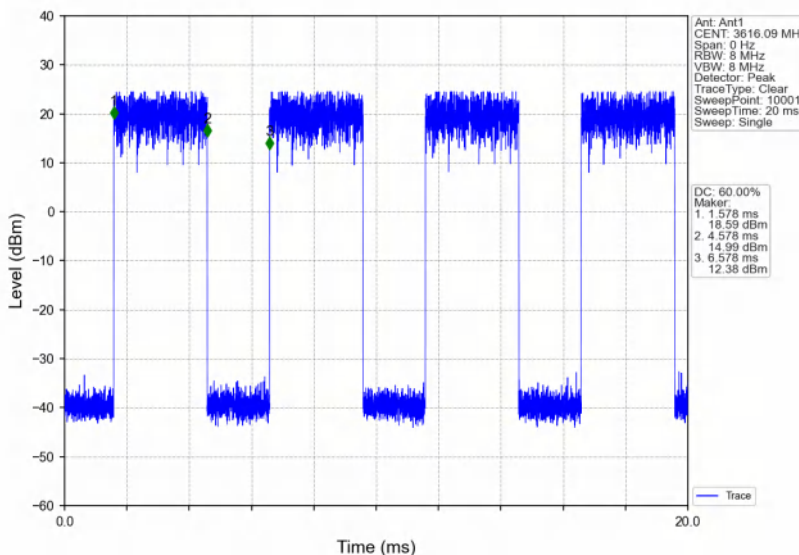
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Band48_20MHz_QPSK_LCH_3560MHz_RB_100_0_NTNV



Band48_20MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV

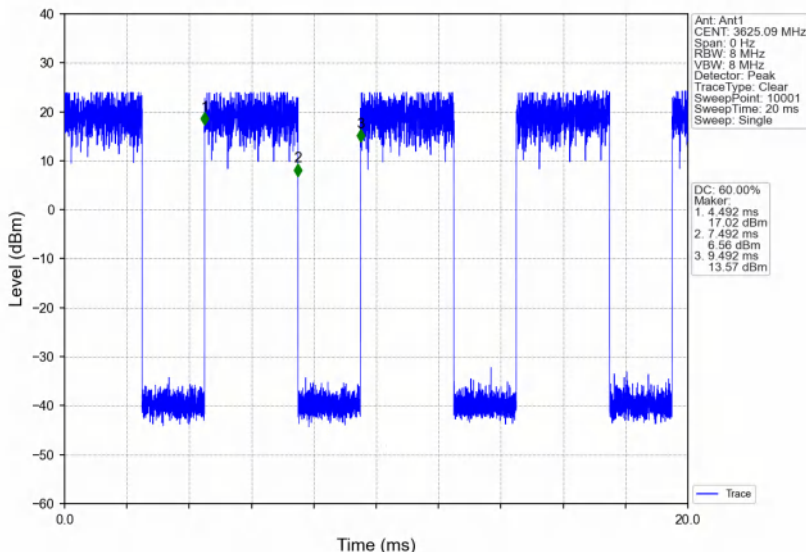


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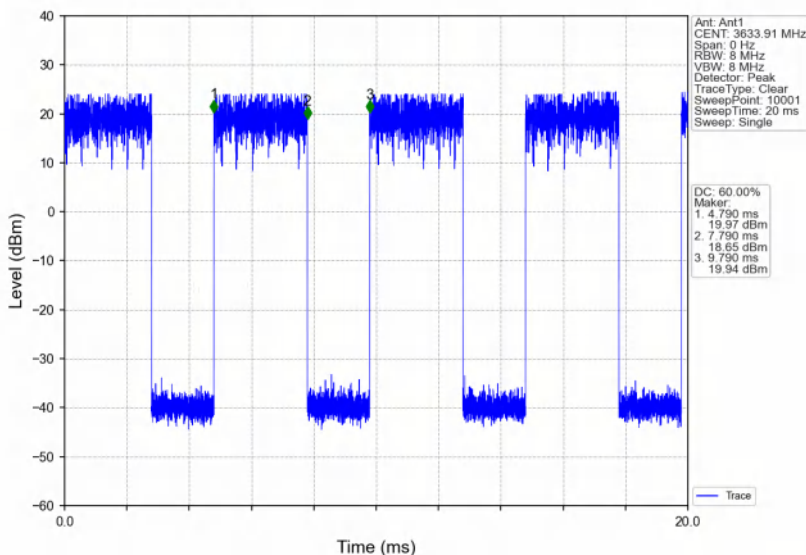
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Band48_20MHz_QPSK_MCH_3625MHz_RB_1_99_NTNV

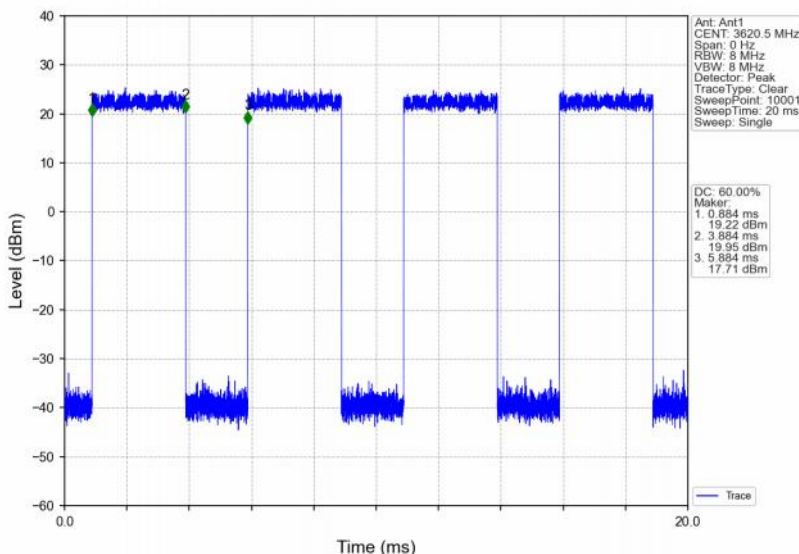


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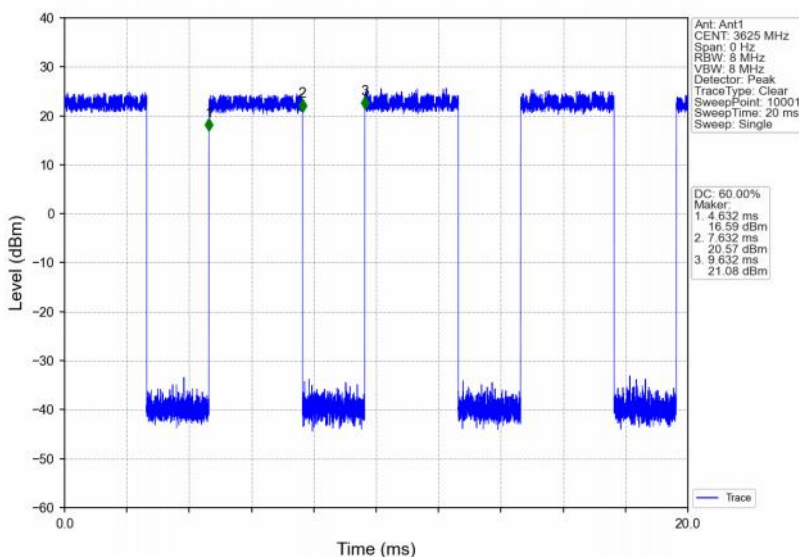
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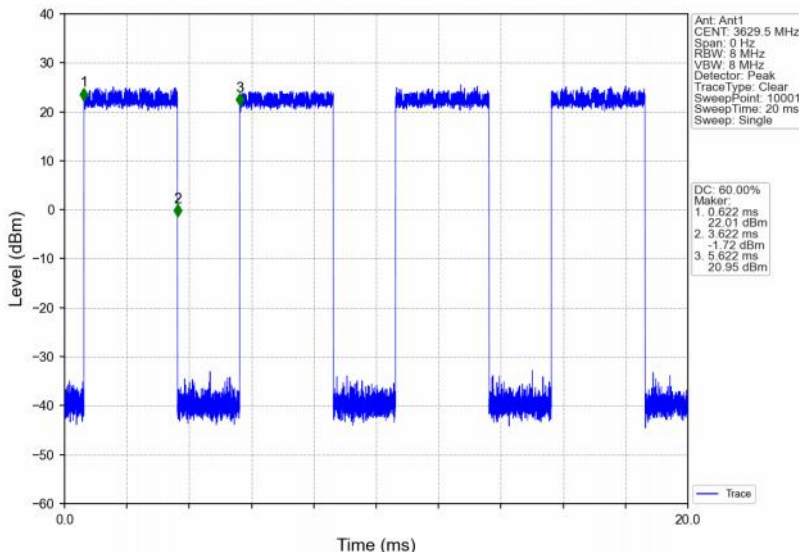


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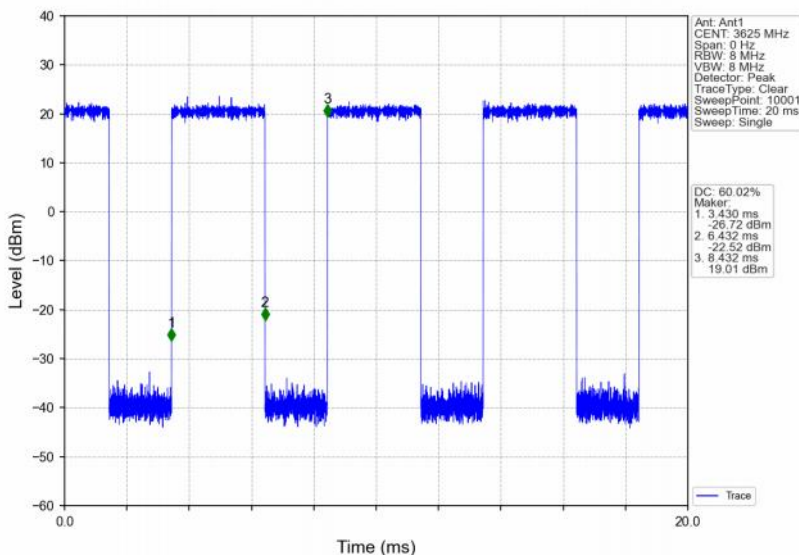
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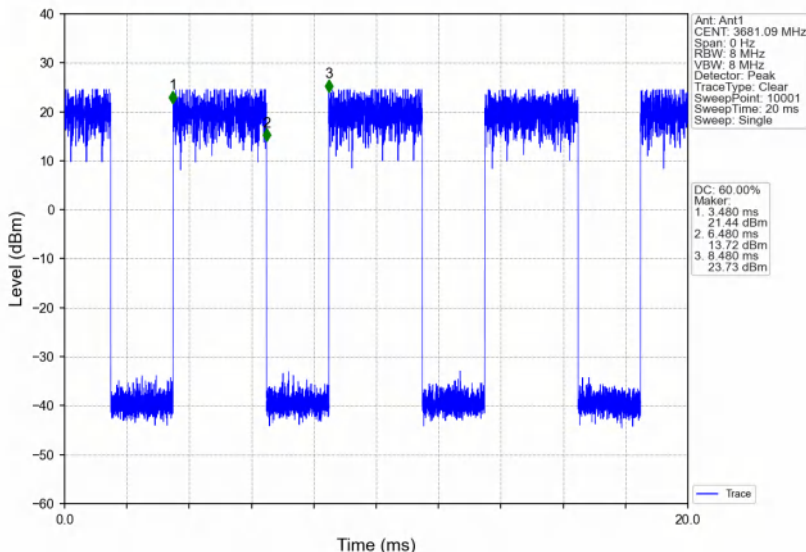


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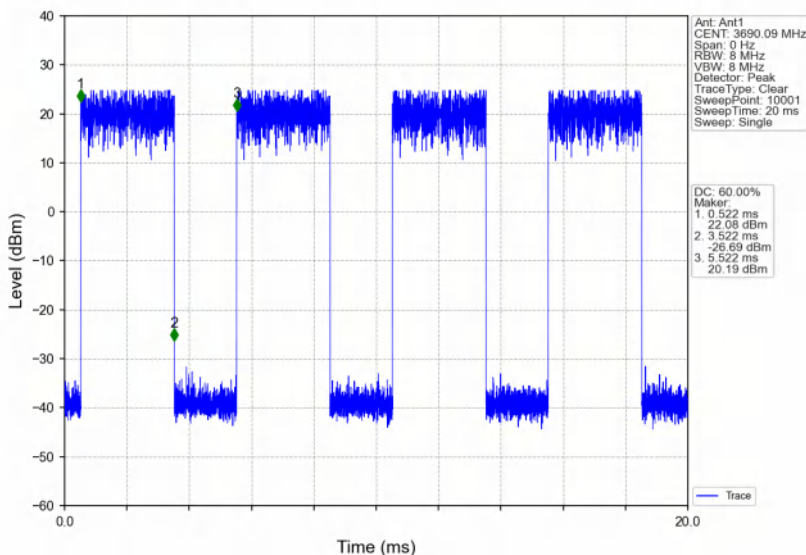
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Band48_20MHz_QPSK_HCH_3690MHz_RB_1_50_NTNV

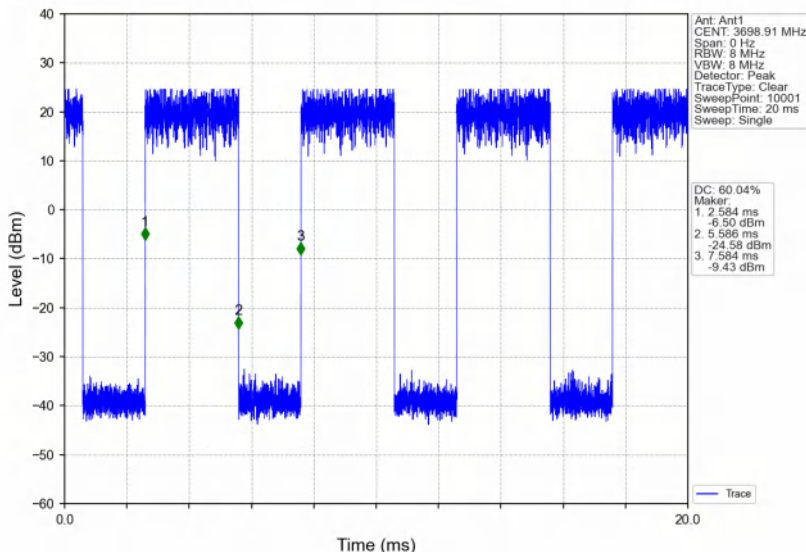


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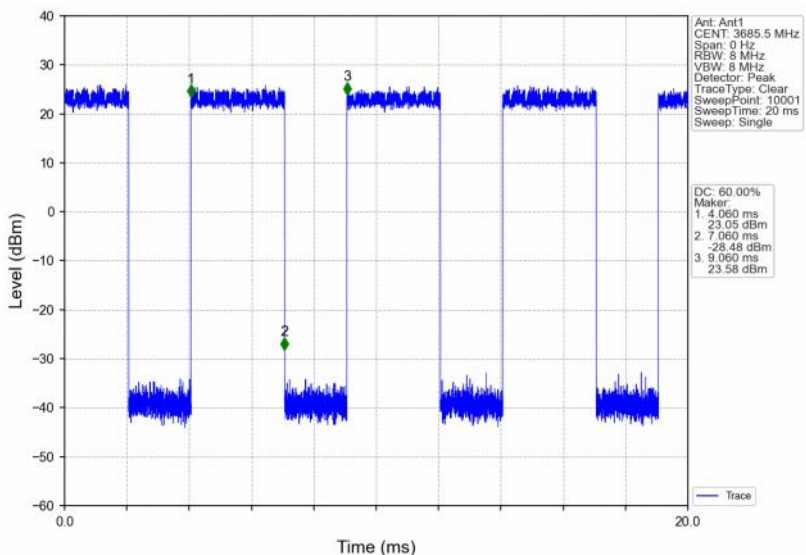
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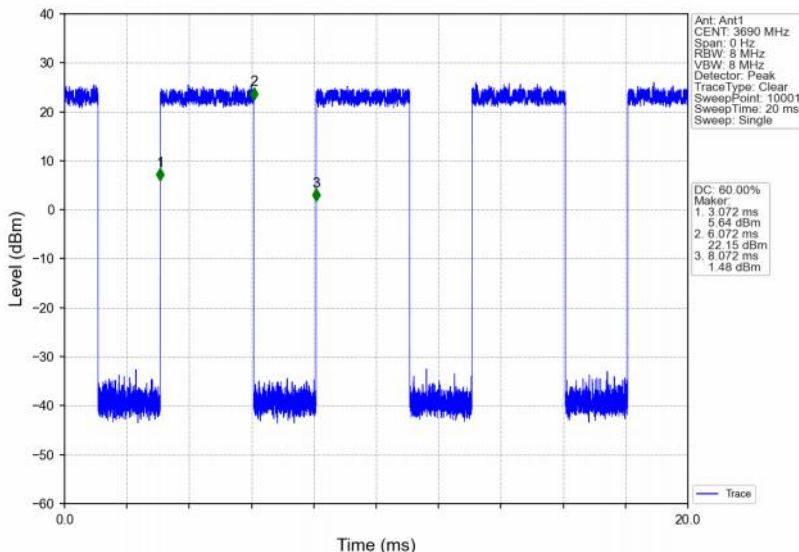


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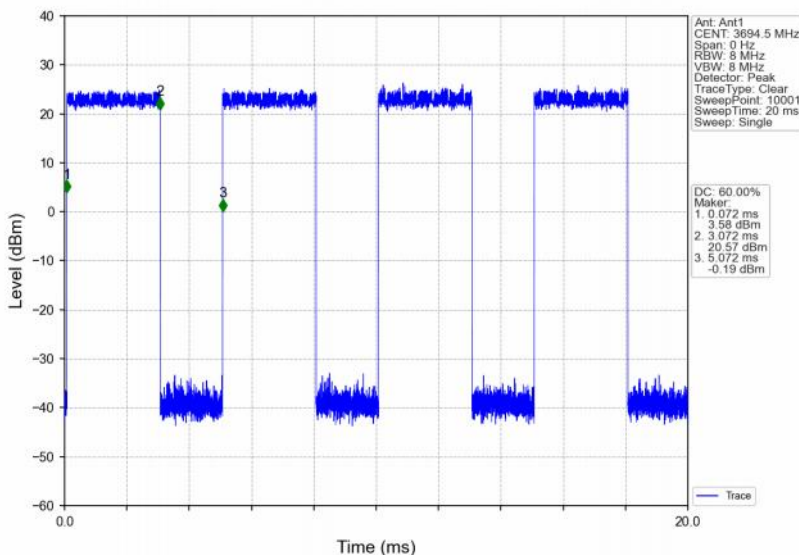
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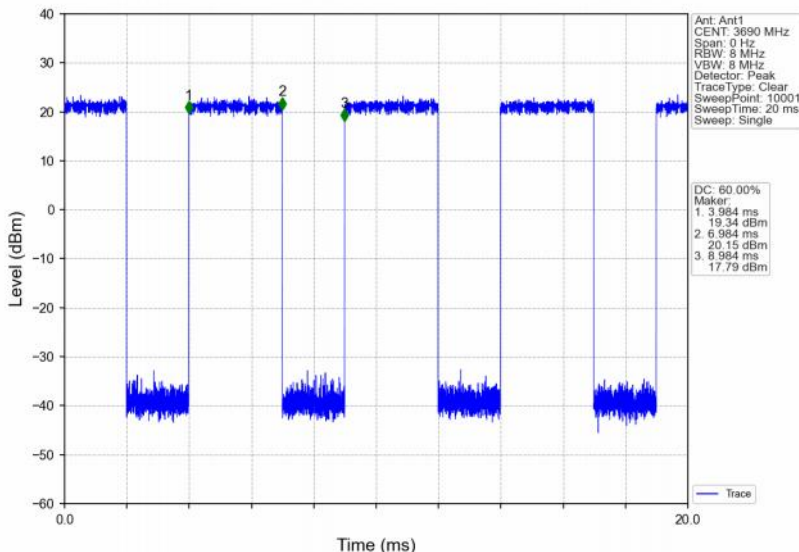


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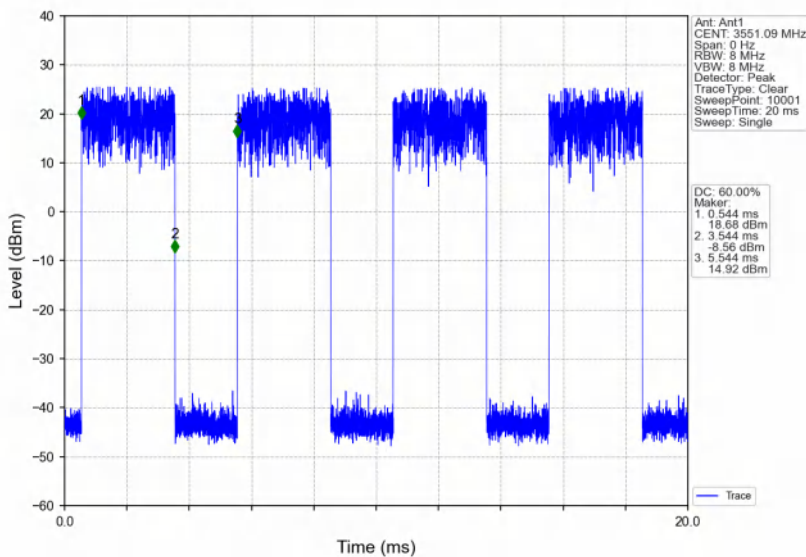
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Band48_20MHz_QPSK_HCH_3690MHz_RB_100_0_NTNV



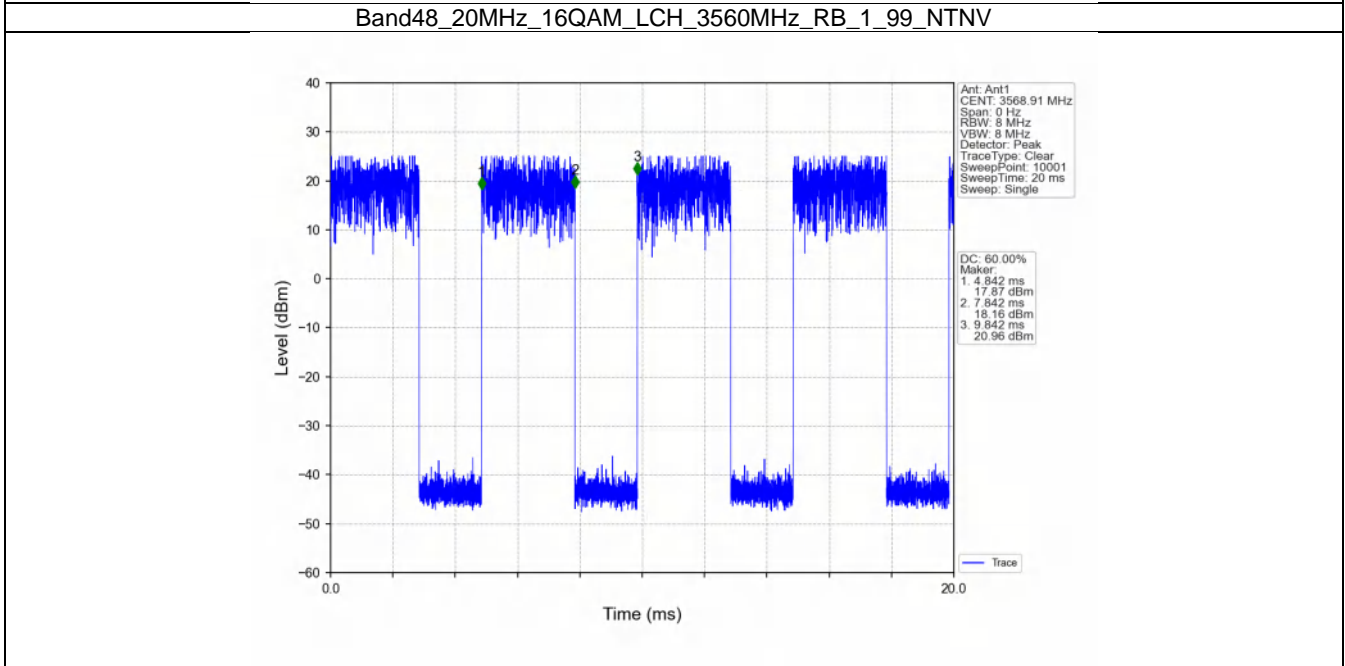
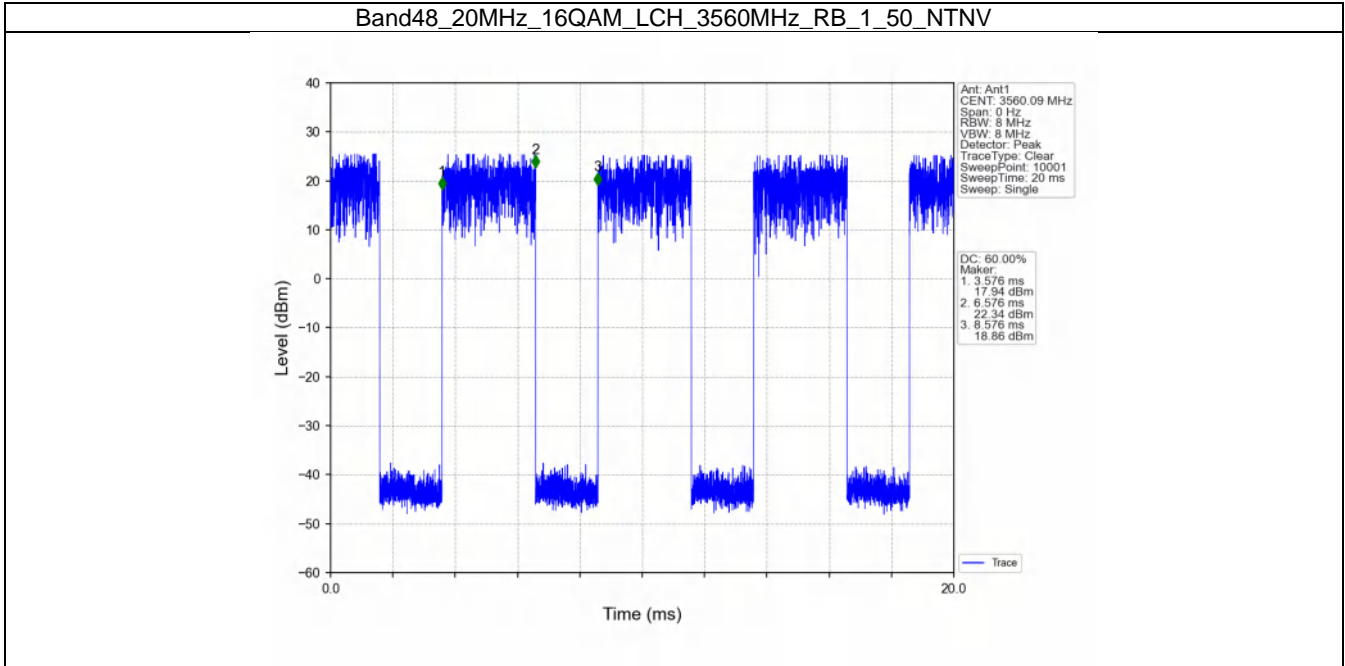
Band48_20MHz_16QAM_LCH_3560MHz_RB_1_0_NTNV



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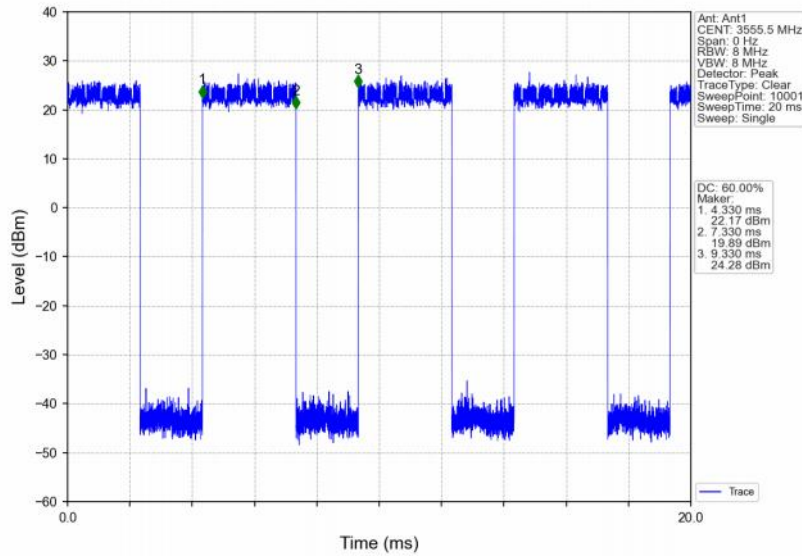


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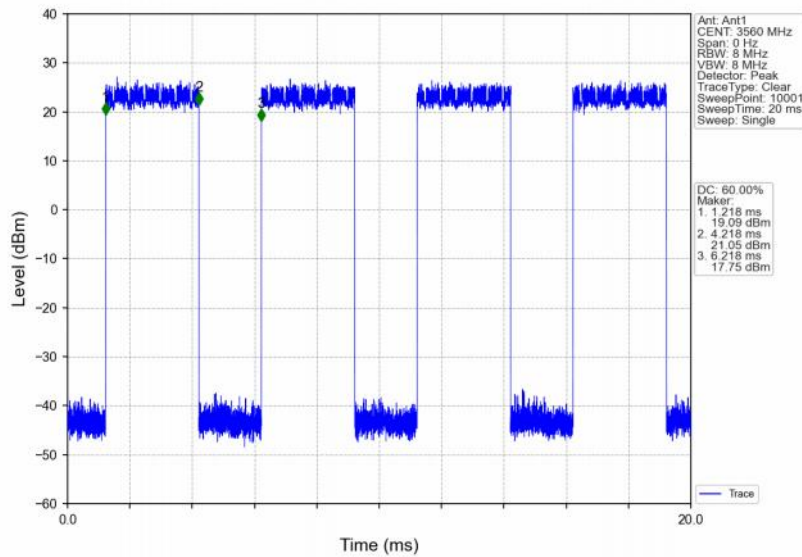
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Band48_20MHz_16QAM_LCH_3560MHz_RB_50_0_NTNV



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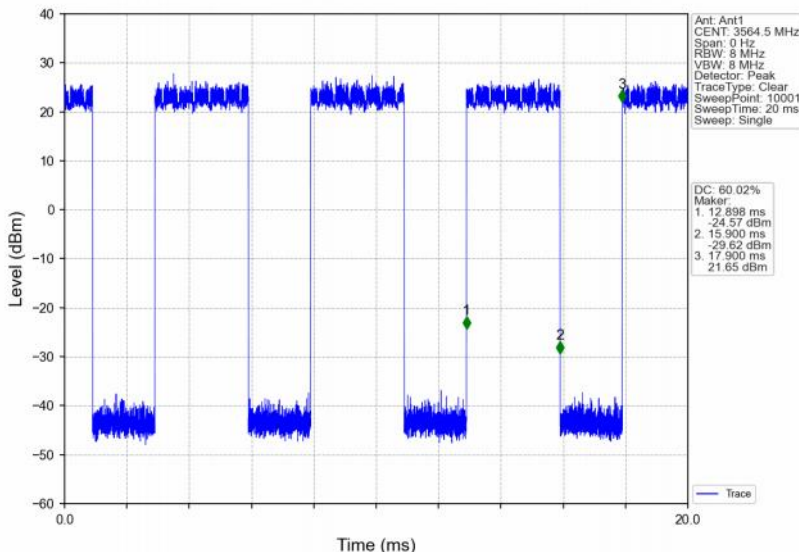


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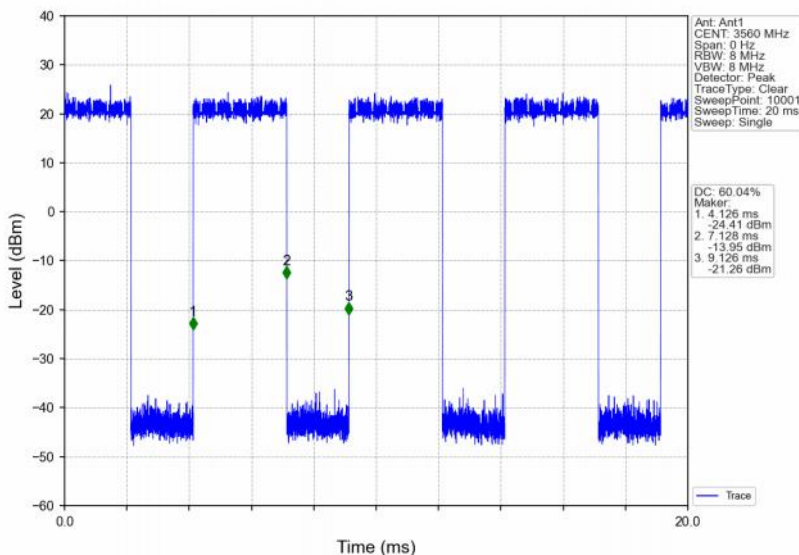
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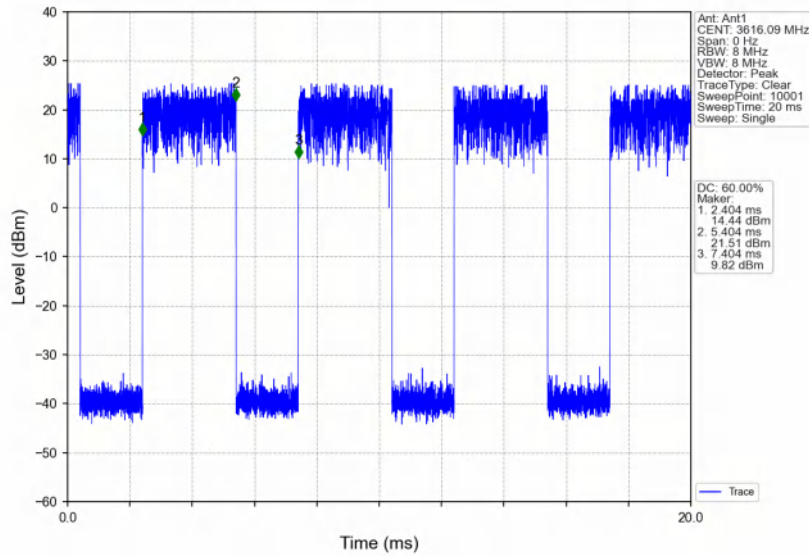


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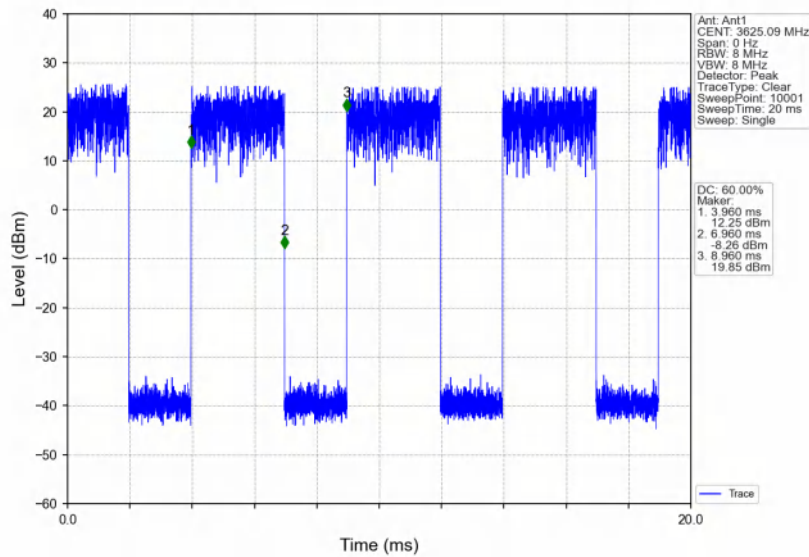
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Band48_20MHz_16QAM_MCH_3625MHz_RB_1_0_NTNV



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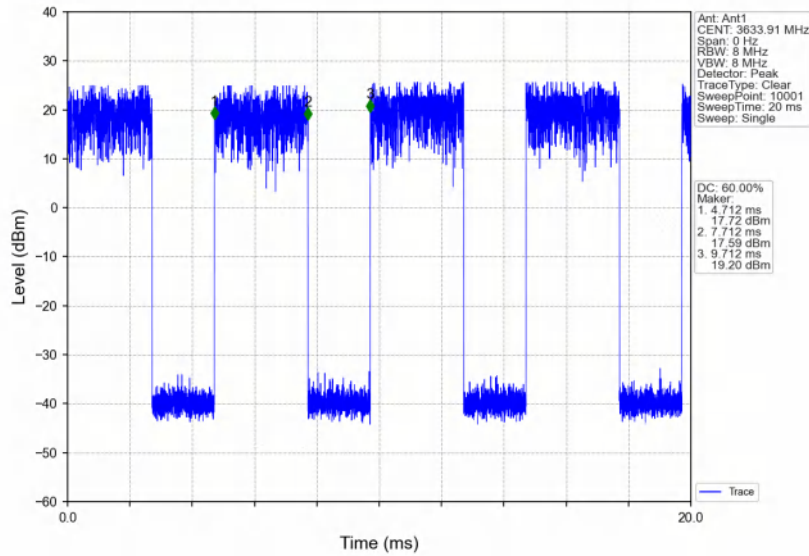


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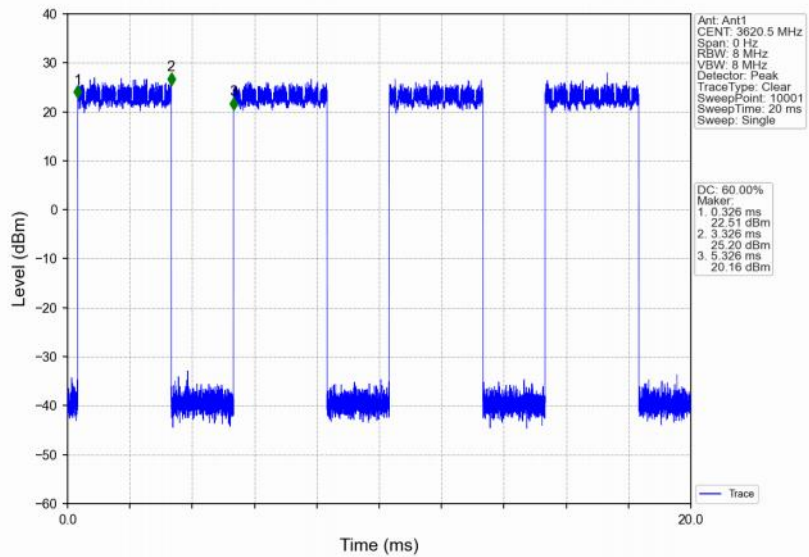
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Band48_20MHz_16QAM_MCH_3625MHz_RB_1_99_NTNV



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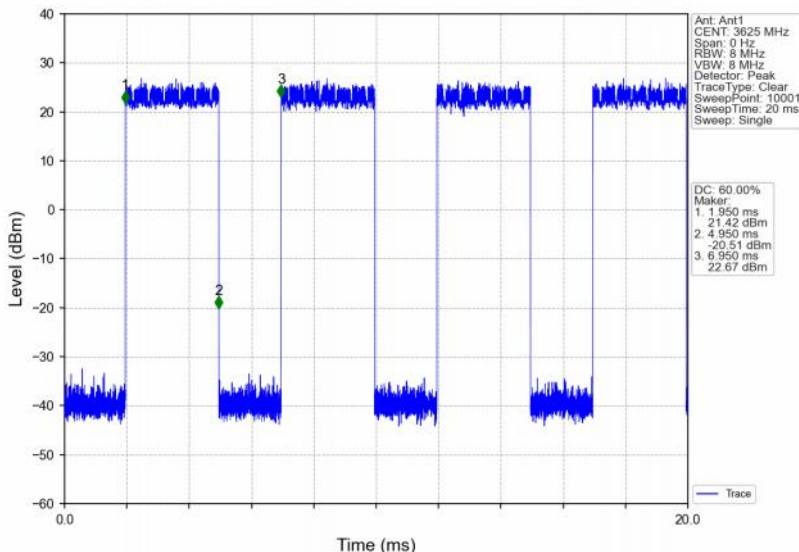


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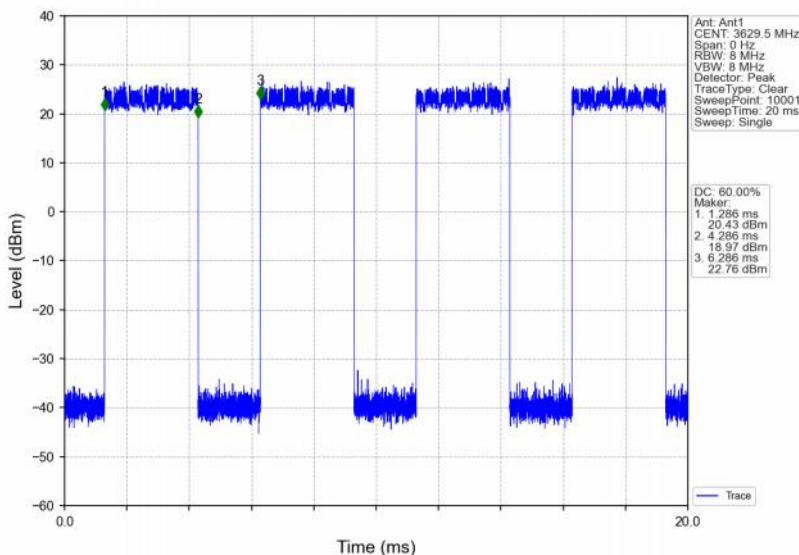
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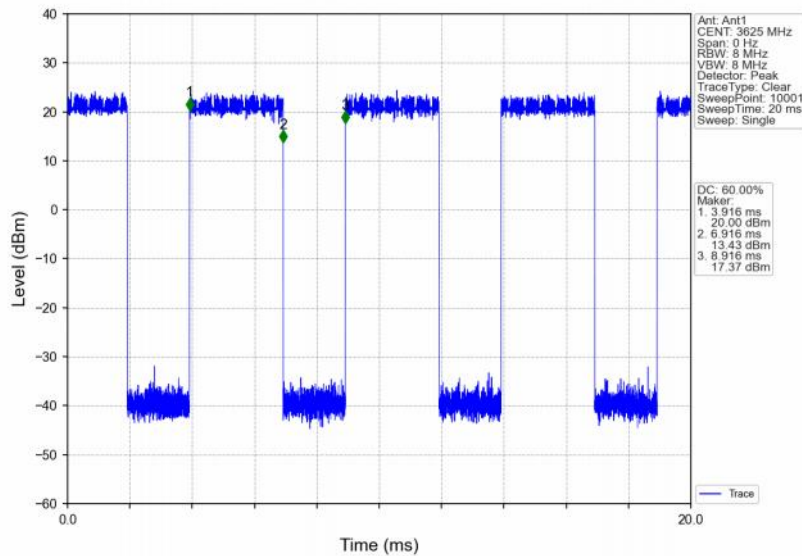


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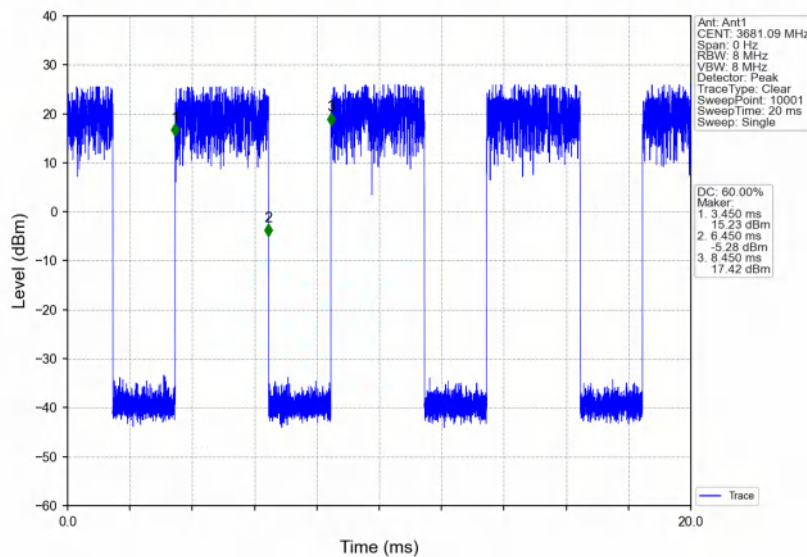
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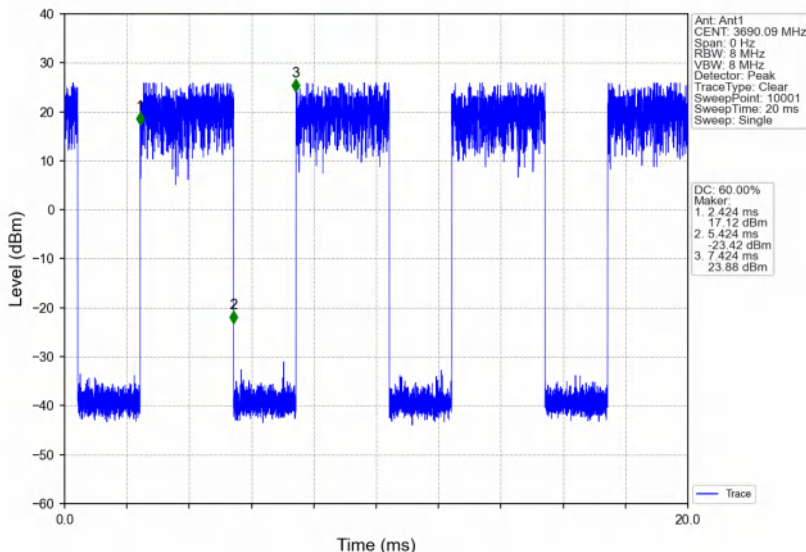


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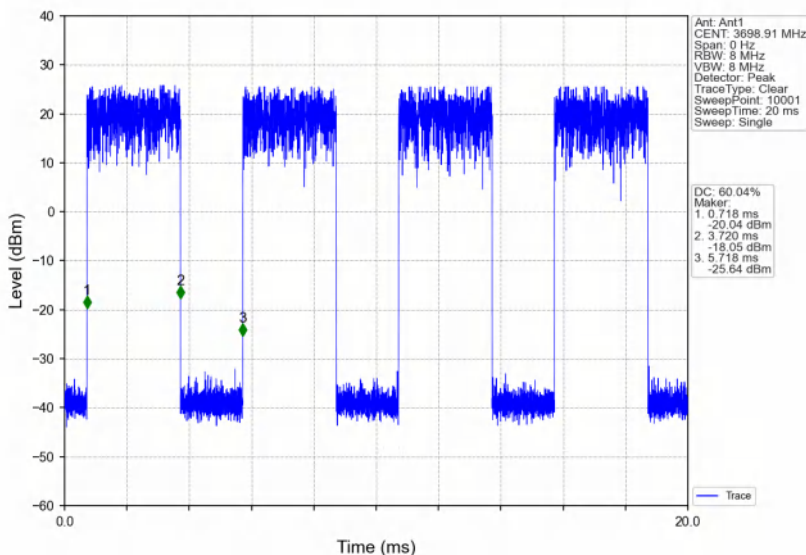
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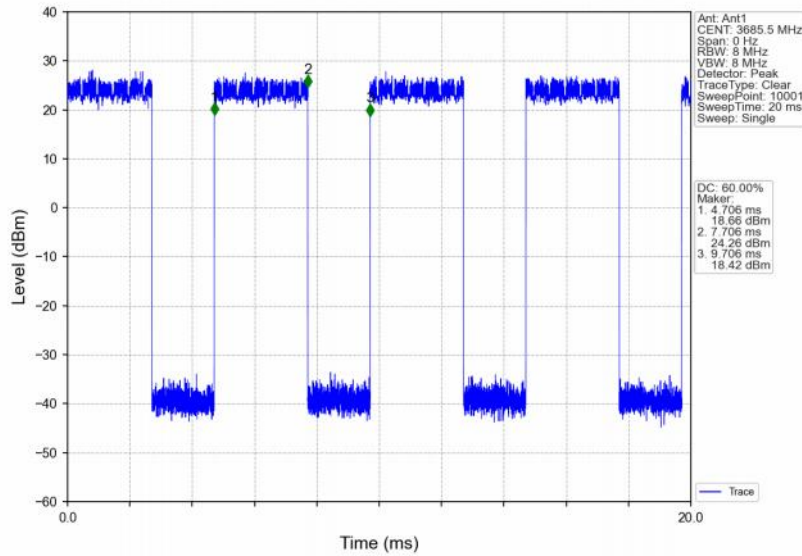


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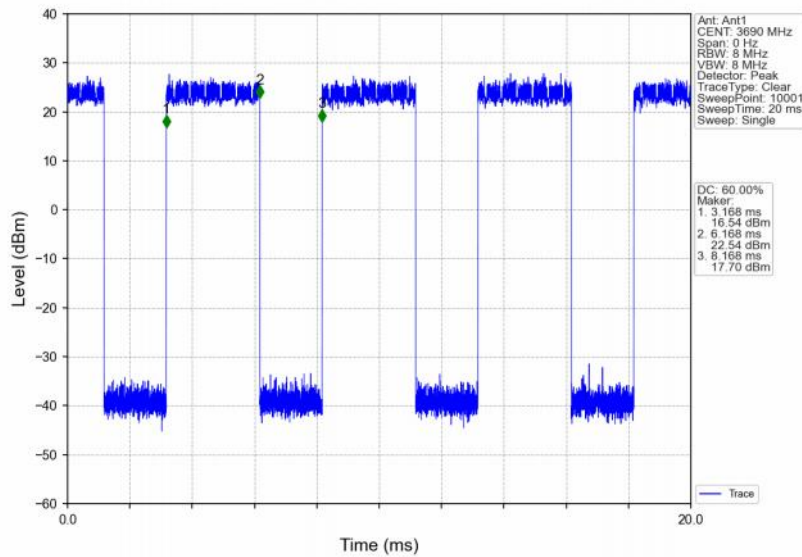
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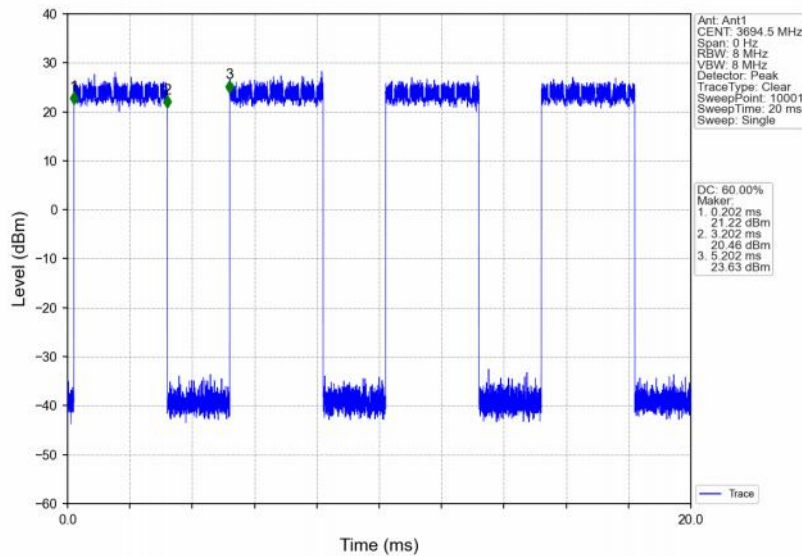


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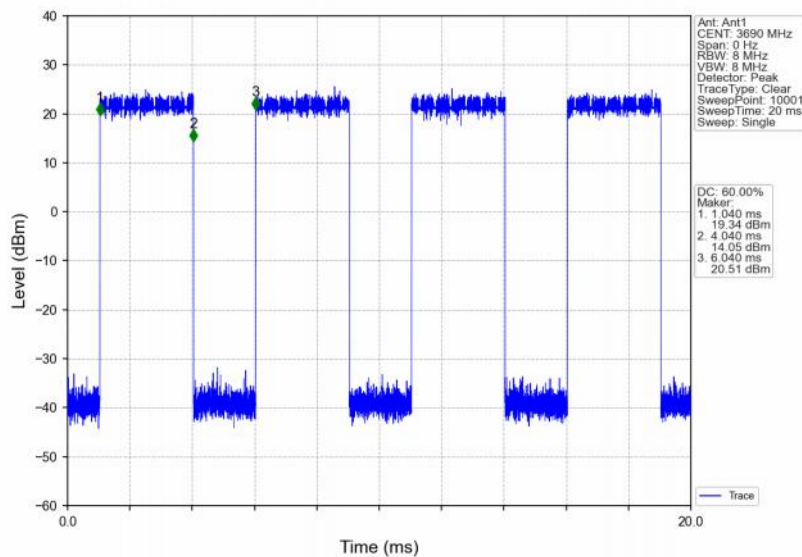
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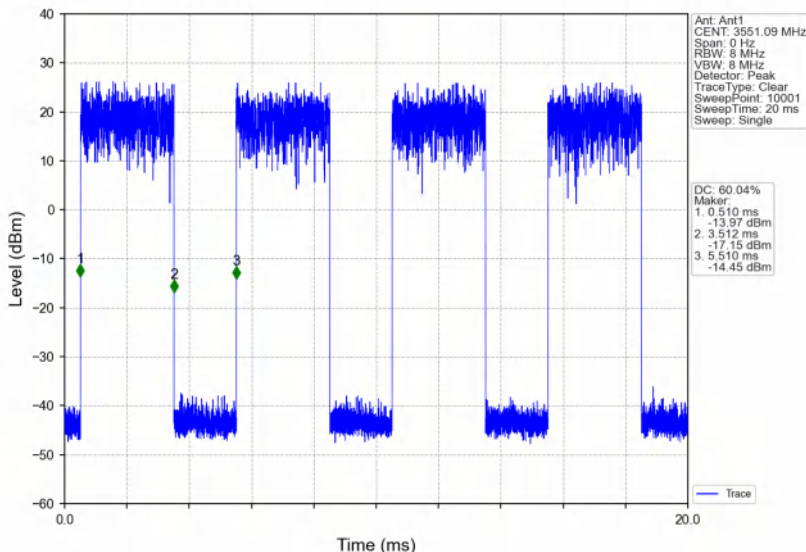


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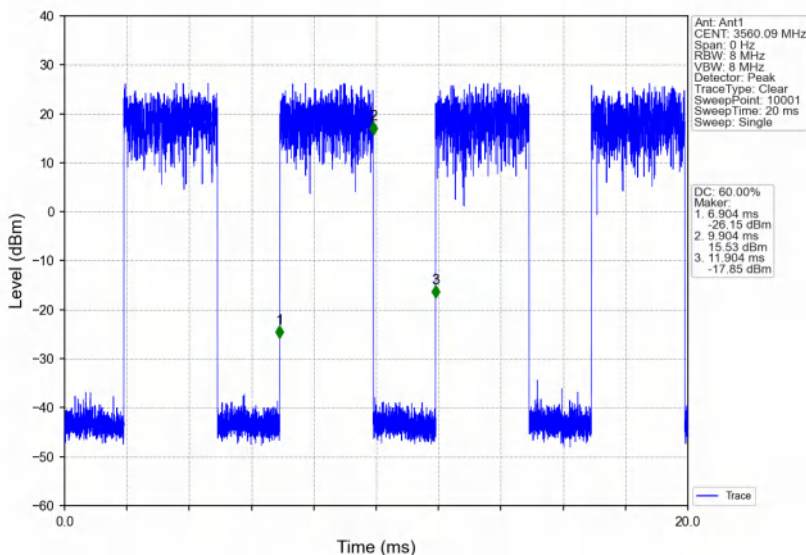
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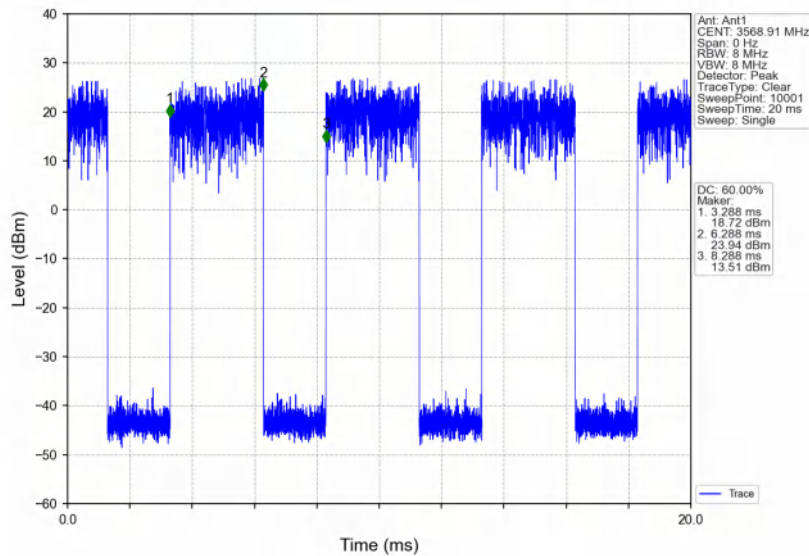


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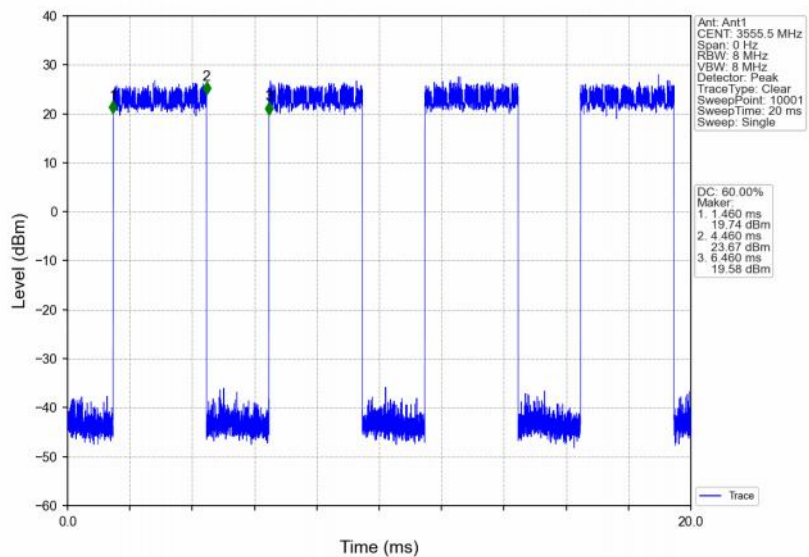
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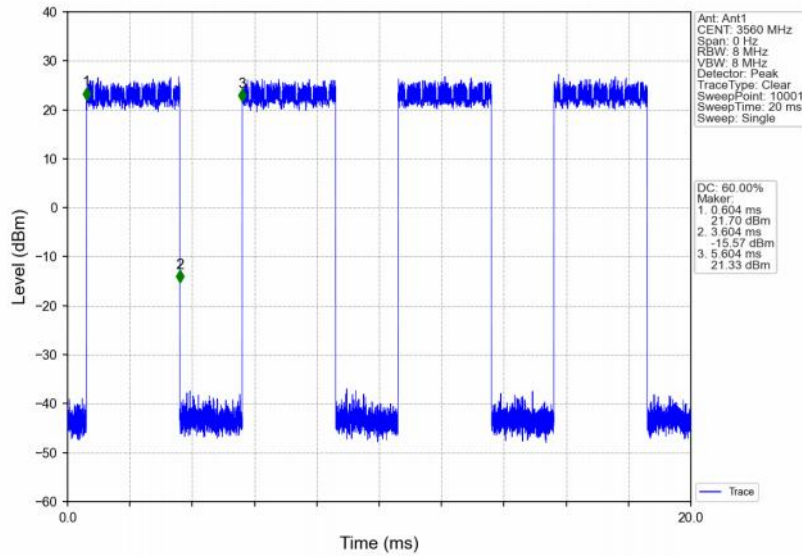


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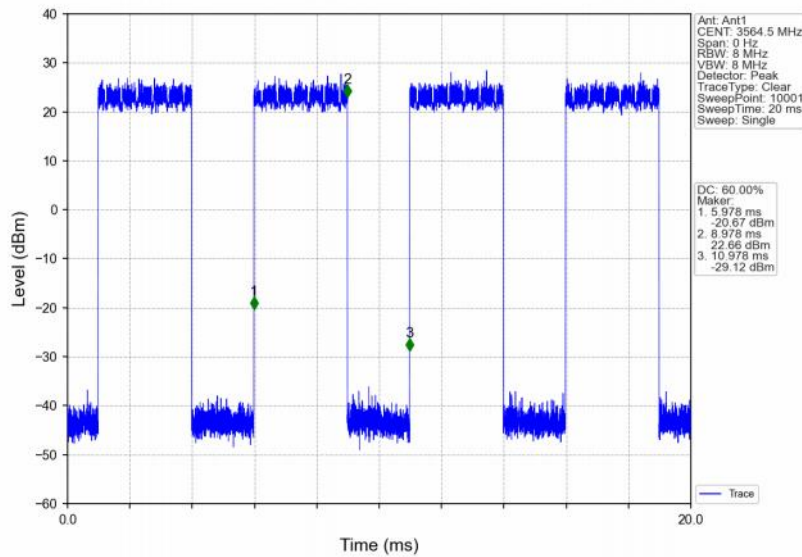
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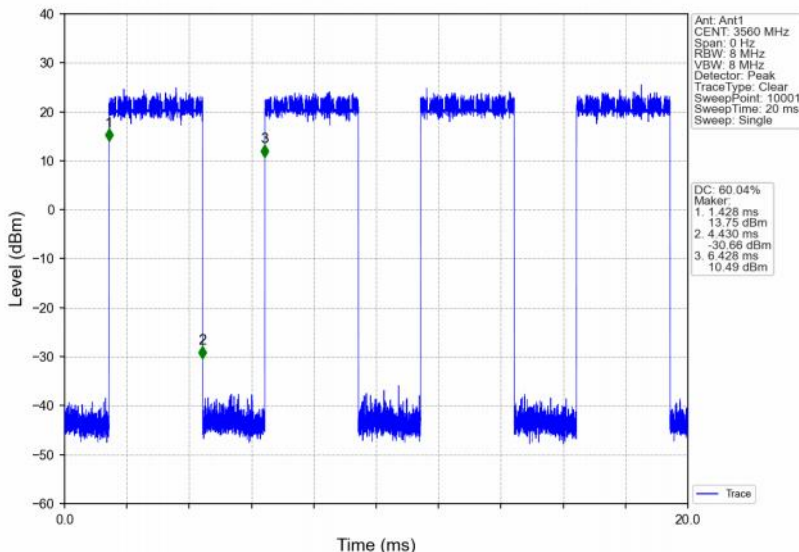


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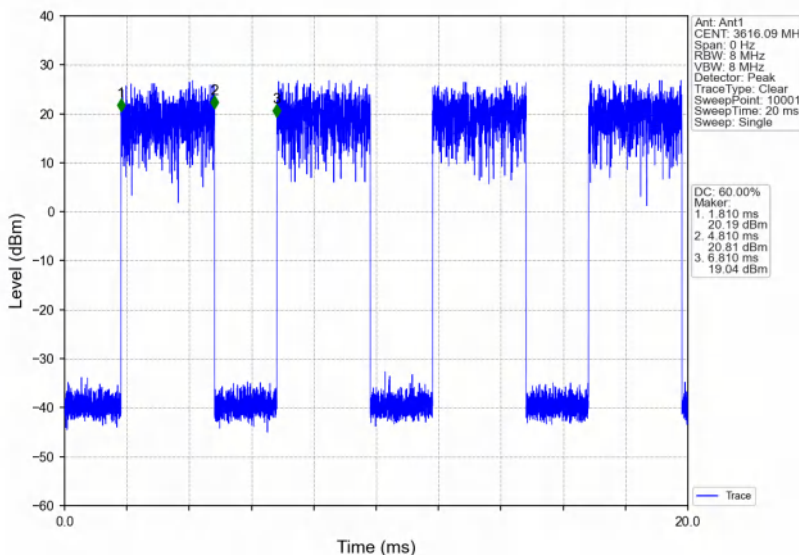
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Band48_20MHz_64QAM_LCH_3560MHz_RB_100_0_NTNV



Band48_20MHz_64QAM_MCH_3625MHz_RB_1_0_NTNV

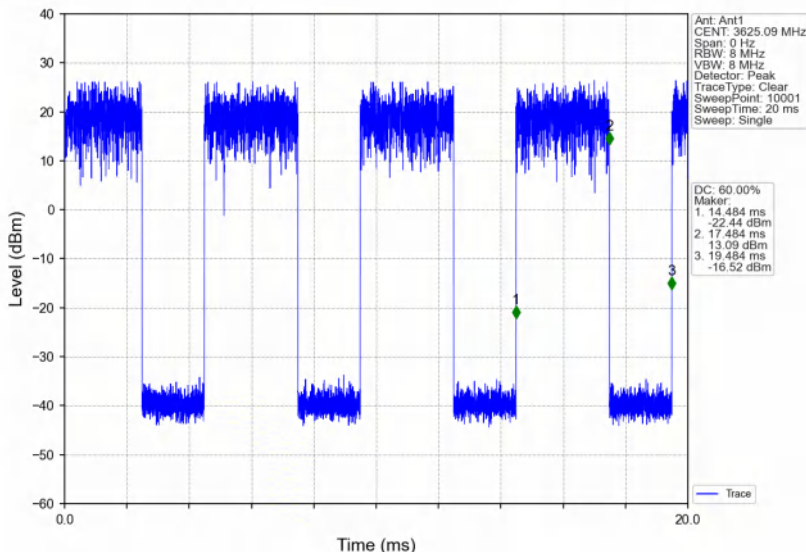


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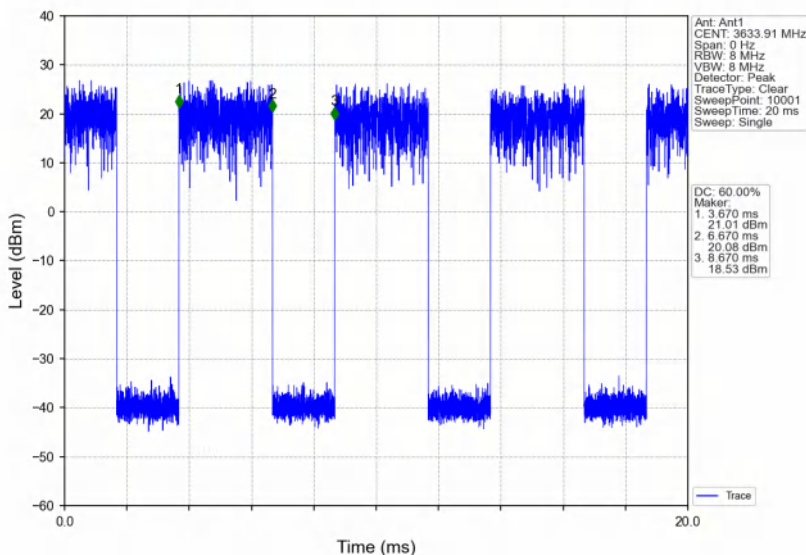
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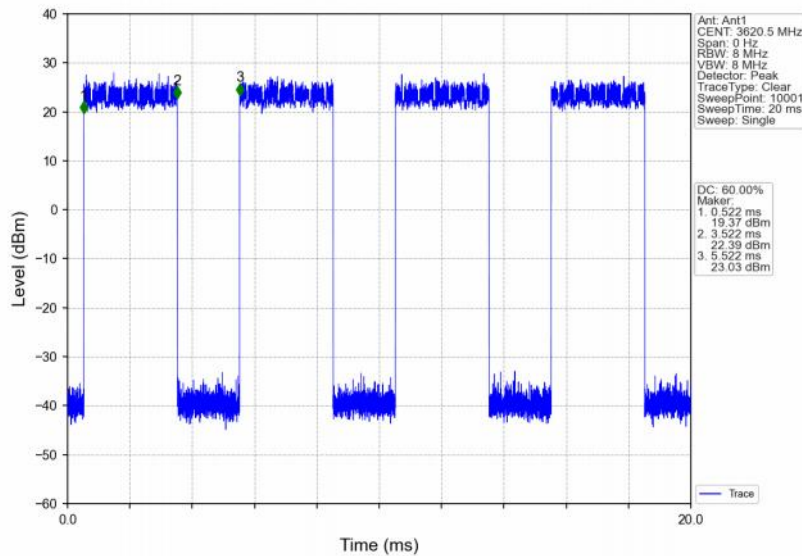


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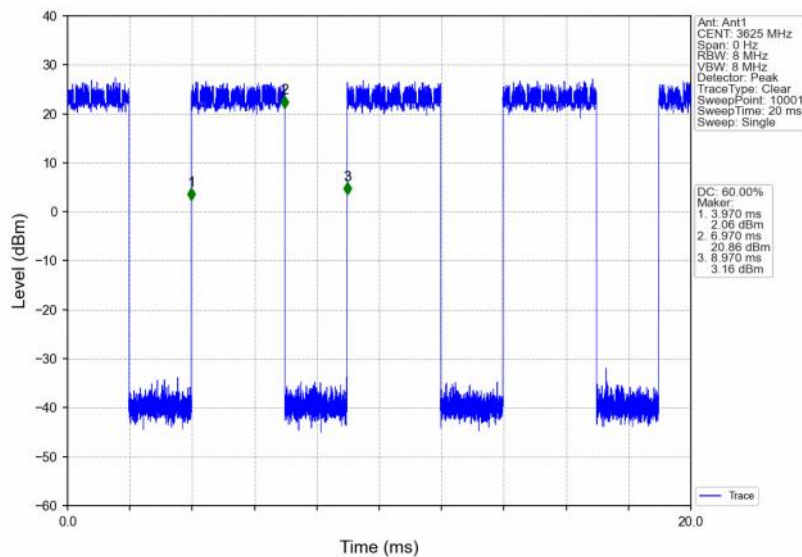
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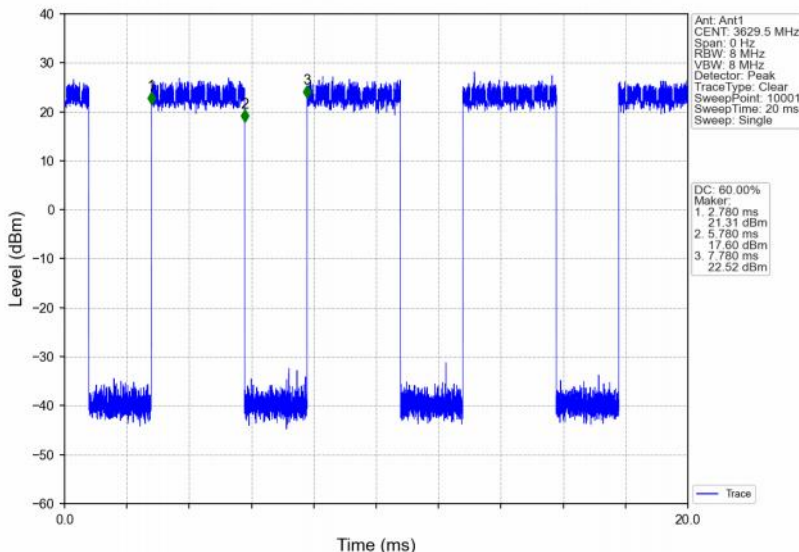


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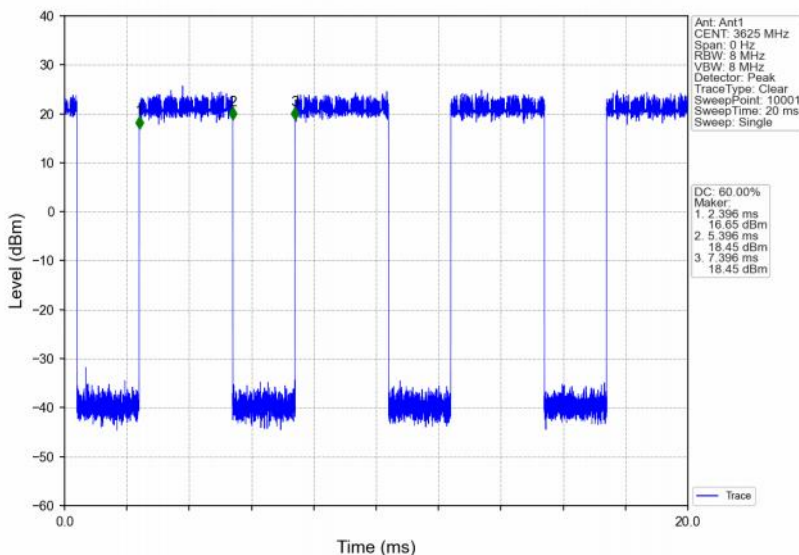
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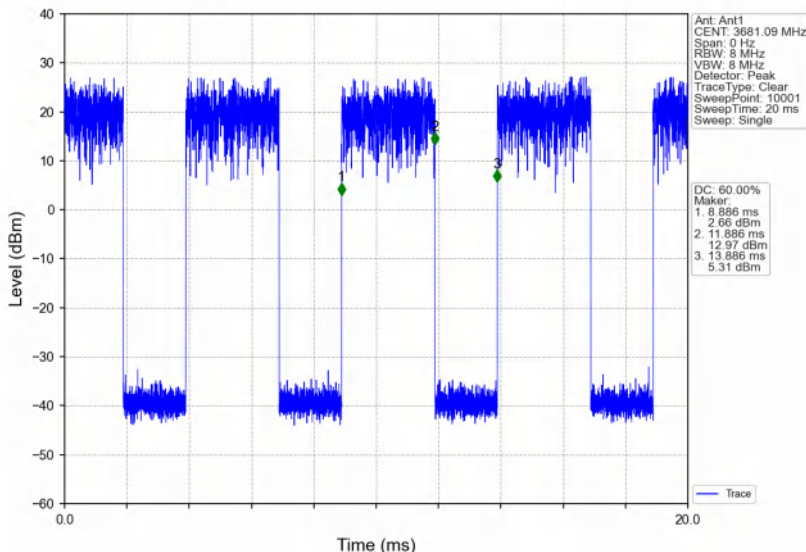


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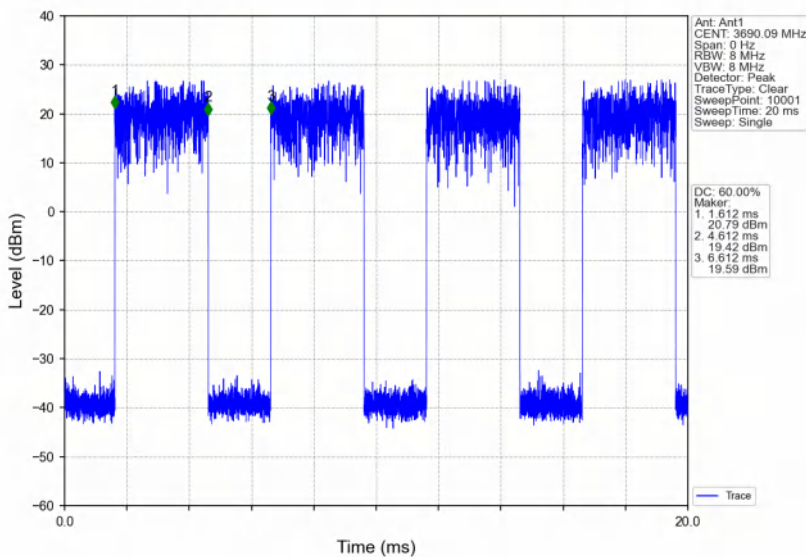
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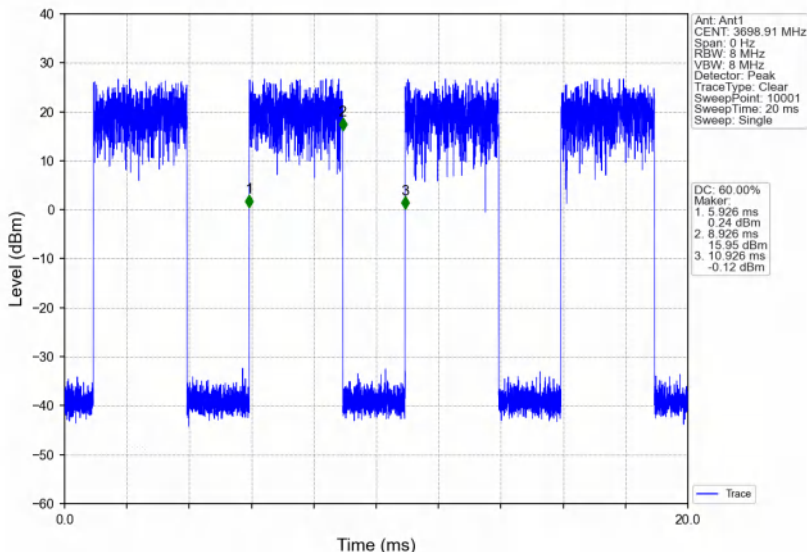


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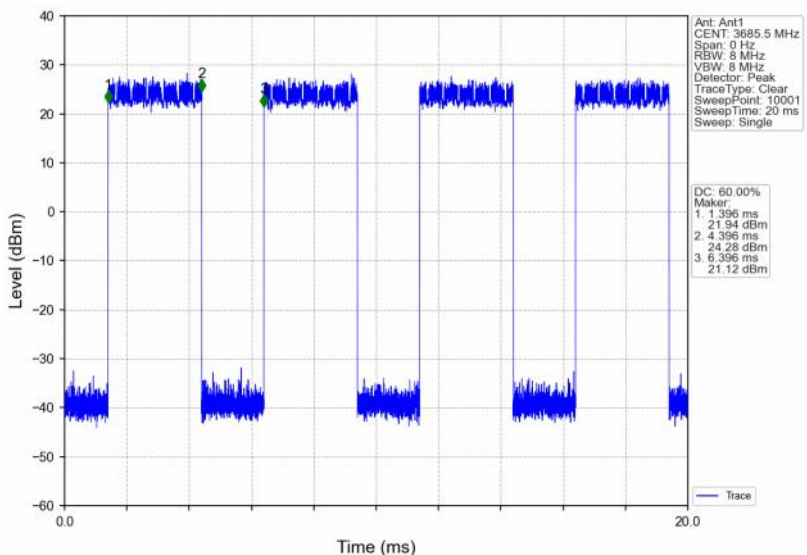
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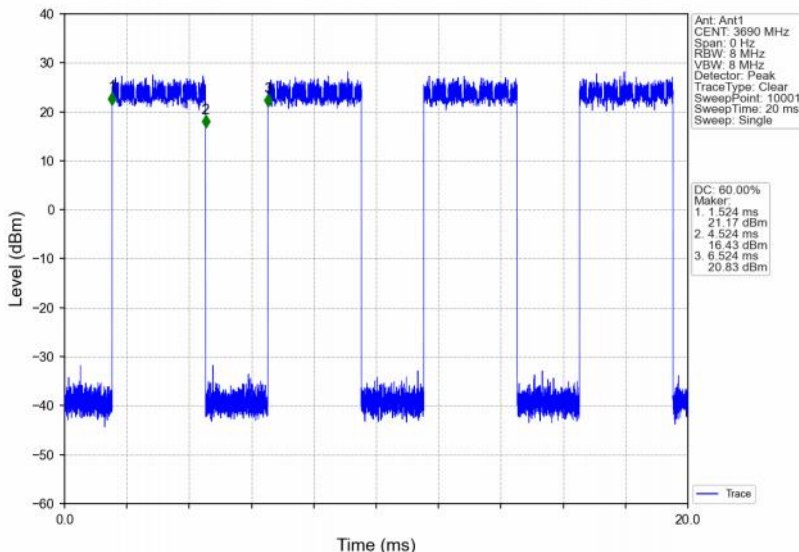


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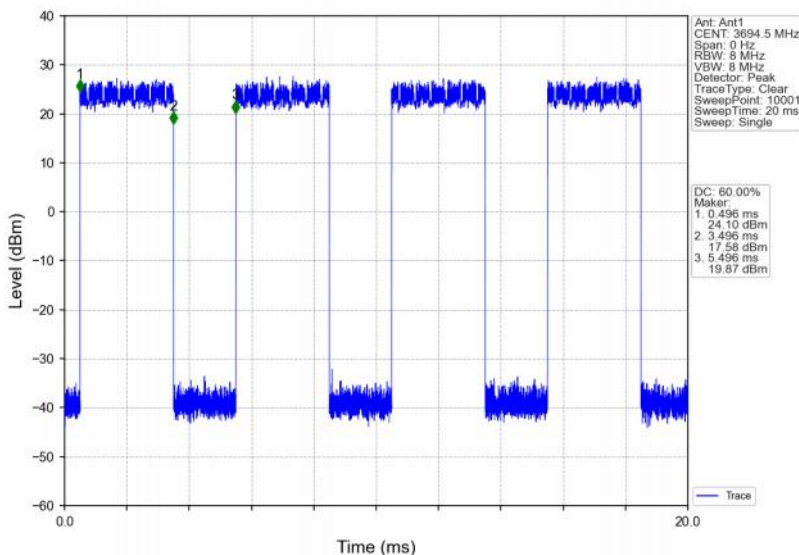
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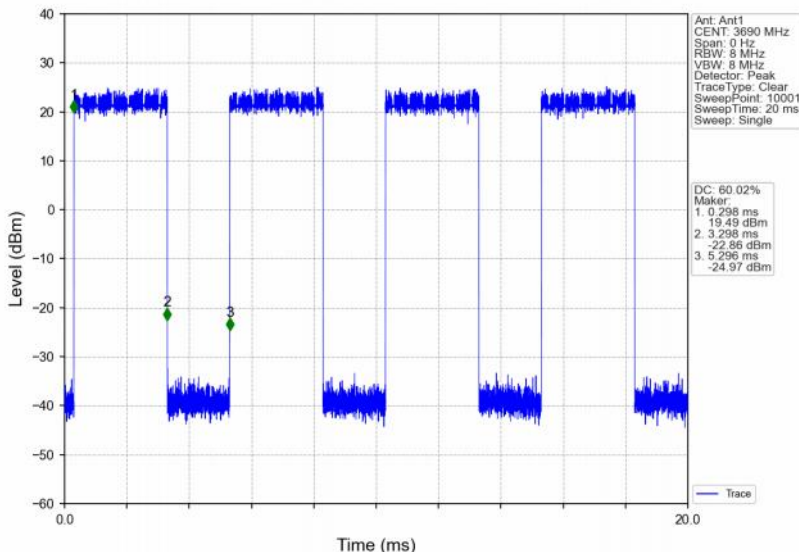


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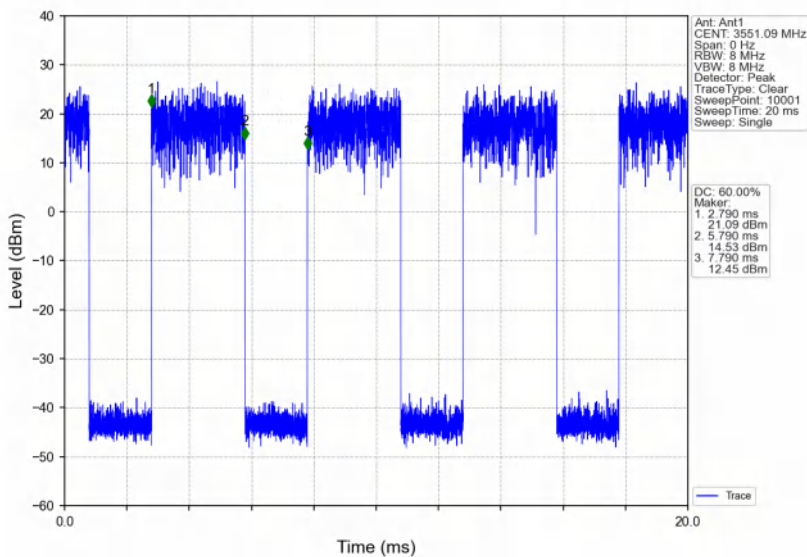
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Band48_20MHz_256QAM_LCH_3560MHz_RB_1_0_NTNV

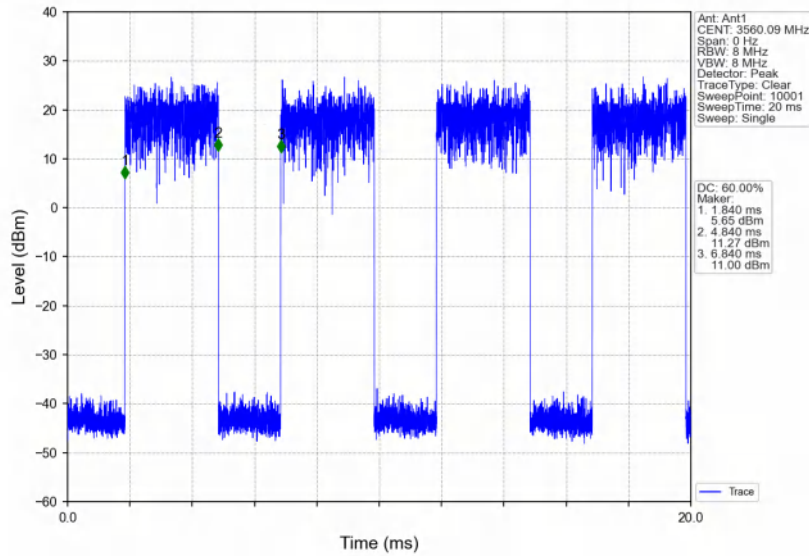


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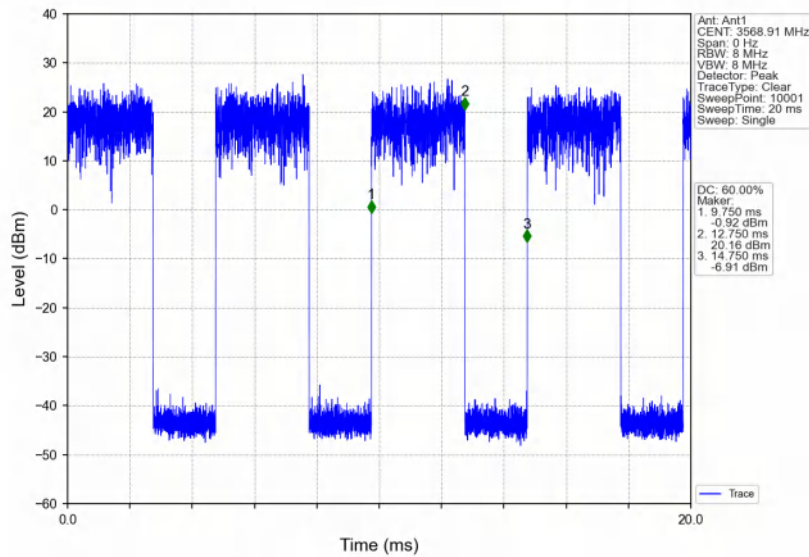
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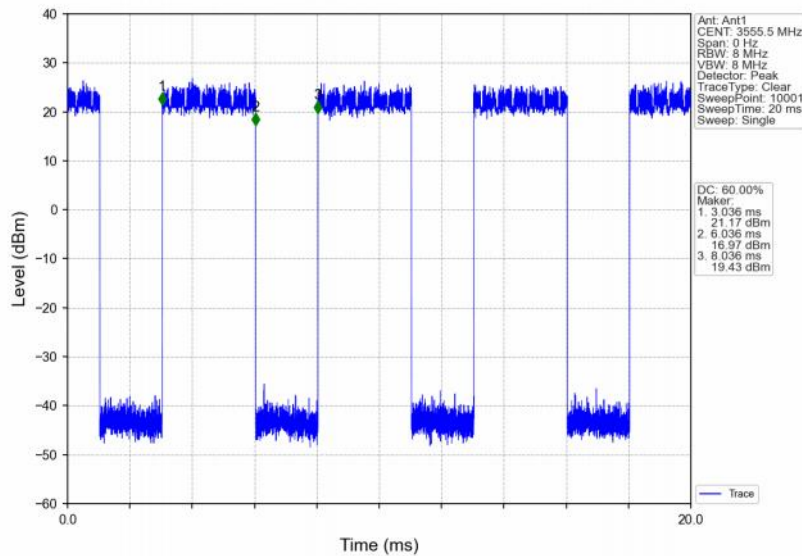


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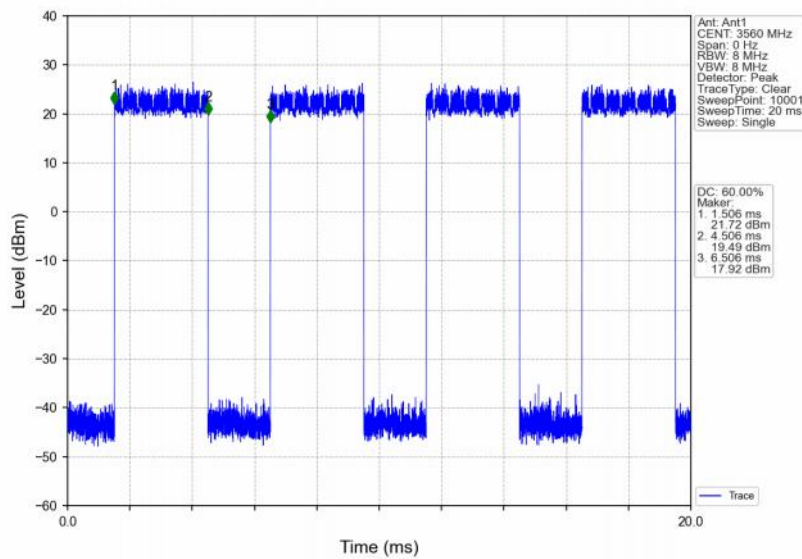
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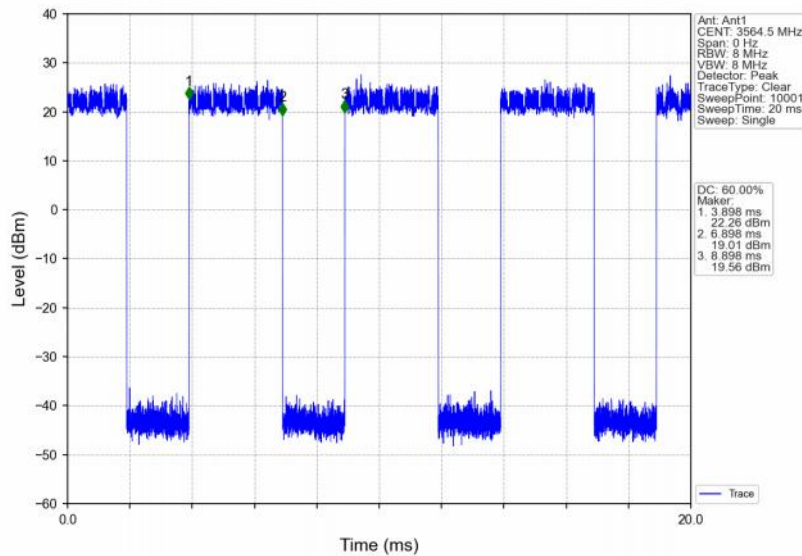


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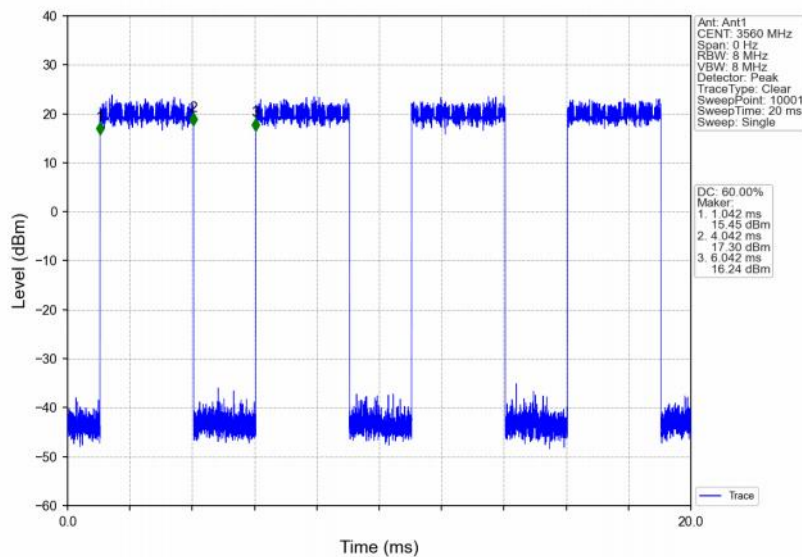
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Band48_20MHz_256QAM_LCH_3560MHz_RB_100_0_NTNV



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