

Appendix A.25

1. Duty Cycle

1.1 Test Result

1.1.1 30_S_20M_NTNV

5G NR n48 SCS=30kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	T _{on} (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
DFT-s-OFDM PI/2 BPSK	3560.01	Edge_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Edge_1RB_Right	0.997	4.997	19.95	7.00	0.09
		Outer_Full	0.998	4.998	19.97	7.00	0.09
		Inner_Full	0.998	4.998	19.97	7.00	0.09
		Inner_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Inner_1RB_Right	1.003	5.003	20.05	6.98	0.02
	3624.99	Edge_1RB_Left	1.003	5.003	20.05	6.98	0.02
		Edge_1RB_Right	1.002	5.002	20.03	6.98	0.02
		Outer_Full	0.998	4.998	19.97	7.00	0.09
		Inner_Full	0.997	4.997	19.95	7.00	0.09
		Inner_1RB_Left	0.998	4.998	19.97	7.00	0.09
		Inner_1RB_Right	1.003	5.003	20.05	6.98	0.02
	3690	Edge_1RB_Left	1.003	5.003	20.05	6.98	0.02
		Edge_1RB_Right	0.997	4.997	19.95	7.00	0.09
		Outer_Full	1.002	5.002	20.03	6.98	0.02
		Inner_Full	0.997	4.997	19.95	7.00	0.09
		Inner_1RB_Left	1.002	5.002	20.03	6.98	0.02
		Inner_1RB_Right	0.997	4.997	19.95	7.00	0.09
DFT-s-OFDM QPSK	3560.01	Edge_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Edge_1RB_Right	1.002	5.002	20.03	6.98	0.02
		Outer_Full	0.997	4.997	19.95	7.00	0.09
		Inner_Full	0.998	4.998	19.97	7.00	0.09
		Inner_1RB_Left	0.998	4.998	19.97	7.00	0.11
		Inner_1RB_Right	0.997	4.997	19.95	7.00	0.09
	3624.99	Edge_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Edge_1RB_Right	0.998	4.998	19.97	7.00	0.09
		Outer_Full	1.001	5.000	20.02	6.99	0.01
		Inner_Full	0.997	4.997	19.95	7.00	0.09
		Inner_1RB_Left	1.003	5.003	20.05	6.98	0.02
		Inner_1RB_Right	1.003	5.003	20.05	6.98	0.02
	3690	Edge_1RB_Left	0.998	4.998	19.97	7.00	0.09
		Edge_1RB_Right	0.998	4.998	19.97	7.00	0.09
		Outer_Full	0.998	4.998	19.97	7.00	0.11
		Inner_Full	0.998	4.998	19.97	7.00	0.09
		Inner_1RB_Left	1.003	5.003	20.05	6.98	0.02
		Inner_1RB_Right	0.997	4.997	19.95	7.00	0.09
DFT-s-OFDM 16 QAM	3560.01	Edge_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Edge_1RB_Right	0.997	4.997	19.95	7.00	0.09
		Outer_Full	0.998	4.998	19.97	7.00	0.11
		Inner_Full	0.998	4.998	19.97	7.00	0.09

	3624.99	Inner_1RB_Left	0.998	4.998	19.97	7.00	0.09
		Inner_1RB_Right	0.998	4.998	19.97	7.00	0.09
		Edge_1RB_Left	0.998	4.998	19.97	7.00	0.09
		Edge_1RB_Right	0.997	4.997	19.95	7.00	0.09
		Outer_Full	0.998	4.998	19.97	7.00	0.09
		Inner_Full	1.003	5.003	20.05	6.98	0.02
		Inner_1RB_Left	0.998	4.998	19.97	7.00	0.09
		Inner_1RB_Right	0.997	4.997	19.95	7.00	0.09
		Edge_1RB_Left	1.002	5.002	20.03	6.98	0.02
		Edge_1RB_Right	0.997	4.997	19.95	7.00	0.09
		Outer_Full	0.997	4.997	19.95	7.00	0.09
		Inner_Full	0.998	4.998	19.97	7.00	0.09
		Inner_1RB_Left	0.998	4.998	19.97	7.00	0.09
		Inner_1RB_Right	0.997	4.997	19.95	7.00	0.09
DFT-s-OFDM 64 QAM	3560.01	Edge_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Edge_1RB_Right	0.997	4.997	19.95	7.00	0.09
		Outer_Full	0.997	4.997	19.95	7.00	0.11
		Inner_Full	0.997	4.997	19.95	7.00	0.09
		Inner_1RB_Left	0.998	4.998	19.97	7.00	0.09
		Inner_1RB_Right	1.003	5.003	20.05	6.98	0.02
	3624.99	Edge_1RB_Left	1.002	5.002	20.03	6.98	0.02
		Edge_1RB_Right	0.998	4.998	19.97	7.00	0.09
		Outer_Full	0.998	4.998	19.97	7.00	0.11
		Inner_Full	0.998	4.998	19.97	7.00	0.09
		Inner_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Inner_1RB_Right	0.997	4.997	19.95	7.00	0.09
	3690	Edge_1RB_Left	0.998	4.998	19.97	7.00	0.09
		Edge_1RB_Right	0.997	4.997	19.95	7.00	0.09
		Outer_Full	1.002	5.002	20.03	6.98	0.02
		Inner_Full	0.997	4.997	19.95	7.00	0.09
		Inner_1RB_Left	0.998	4.998	19.97	7.00	0.09
		Inner_1RB_Right	0.997	4.997	19.95	7.00	0.09
DFT-s-OFDM 256 QAM	3560.01	Edge_1RB_Left	1.003	5.003	20.05	6.98	0.02
		Edge_1RB_Right	1.003	5.003	20.05	6.98	0.02
		Outer_Full	1.000	5.001	20.00	6.99	0.08
		Inner_Full	0.997	4.997	19.95	7.00	0.09
		Inner_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Inner_1RB_Right	1.003	5.003	20.05	6.98	0.02
	3624.99	Edge_1RB_Left	0.998	4.998	19.97	7.00	0.09
		Edge_1RB_Right	0.997	4.997	19.95	7.00	0.09
		Outer_Full	0.998	4.998	19.97	7.00	0.09
		Inner_Full	1.002	5.002	20.03	6.98	0.02
		Inner_1RB_Left	1.002	5.002	20.03	6.98	0.02
		Inner_1RB_Right	0.997	4.997	19.95	7.00	0.09
	3690	Edge_1RB_Left	0.998	4.998	19.97	7.00	0.09
		Edge_1RB_Right	1.003	5.003	20.05	6.98	0.02
		Outer_Full	0.997	4.997	19.95	7.00	0.09
		Inner_Full	0.998	4.998	19.97	7.00	0.09
		Inner_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Inner_1RB_Right	1.003	5.003	20.05	6.98	0.02
CP-OFDM QPSK	3560.01	Edge_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Edge_1RB_Right	0.997	4.997	19.95	7.00	0.09
		Outer_Full	1.002	5.002	20.03	6.98	0.02

		Inner Full	1.003	5.003	20.05	6.98	0.02
		Inner 1RB Left	1.000	5.000	20.00	6.99	0.00
		Inner 1RB Right	0.997	4.997	19.95	7.00	0.09
	3624.99	Edge 1RB Left	0.998	4.998	19.97	7.00	0.09
		Edge 1RB Right	1.002	5.002	20.03	6.98	0.02
		Outer Full	0.997	4.997	19.95	7.00	0.09
		Inner Full	0.997	4.997	19.95	7.00	0.09
		Inner 1RB Left	0.998	4.998	19.97	7.00	0.09
		Inner 1RB Right	0.998	4.998	19.97	7.00	0.09
	3690	Edge 1RB Left	1.002	5.002	20.03	6.98	0.02
		Edge 1RB Right	0.997	4.997	19.95	7.00	0.09
		Outer Full	0.997	4.997	19.95	7.00	0.11
		Inner Full	1.003	5.003	20.05	6.98	0.02
		Inner 1RB Left	0.997	4.997	19.95	7.00	0.09
		Inner 1RB Right	0.997	4.997	19.95	7.00	0.09
CP-OFDM 16 QAM	3560.01	Edge 1RB Left	1.003	5.003	20.05	6.98	0.02
		Edge 1RB Right	1.003	5.003	20.05	6.98	0.02
		Outer Full	0.997	4.997	19.95	7.00	0.09
		Inner Full	0.998	4.998	19.97	7.00	0.09
		Inner 1RB Left	0.998	4.998	19.97	7.00	0.09
		Inner 1RB Right	0.997	4.997	19.95	7.00	0.09
	3624.99	Edge 1RB Left	1.003	5.003	20.05	6.98	0.02
		Edge 1RB Right	1.002	5.002	20.03	6.98	0.02
		Outer Full	0.997	4.997	19.95	7.00	0.09
		Inner Full	0.998	4.998	19.97	7.00	0.09
		Inner 1RB Left	1.003	5.003	20.05	6.98	0.02
		Inner 1RB Right	0.997	4.997	19.95	7.00	0.11
	3690	Edge 1RB Left	0.998	4.998	19.97	7.00	0.09
		Edge 1RB Right	1.003	5.003	20.05	6.98	0.02
		Outer Full	1.003	5.003	20.05	6.98	0.02
		Inner Full	0.997	4.997	19.95	7.00	0.09
		Inner 1RB Left	0.997	4.997	19.95	7.00	0.09
		Inner 1RB Right	0.997	4.997	19.95	7.00	0.09
CP-OFDM 64 QAM	3560.01	Edge 1RB Left	1.003	5.003	20.05	6.98	0.02
		Edge 1RB Right	0.998	4.998	19.97	7.00	0.09
		Outer Full	0.998	4.998	19.97	7.00	0.11
		Inner Full	0.997	4.997	19.95	7.00	0.09
		Inner 1RB Left	0.997	4.997	19.95	7.00	0.09
		Inner 1RB Right	0.997	4.997	19.95	7.00	0.11
	3624.99	Edge 1RB Left	0.997	4.997	19.95	7.00	0.09
		Edge 1RB Right	0.997	4.997	19.95	7.00	0.09
		Outer Full	1.003	5.003	20.05	6.98	0.02
		Inner Full	0.997	4.997	19.95	7.00	0.11
		Inner 1RB Left	0.997	4.997	19.95	7.00	0.09
		Inner 1RB Right	1.003	5.003	20.05	6.98	0.02
	3690	Edge 1RB Left	0.998	4.998	19.97	7.00	0.09
		Edge 1RB Right	1.002	5.002	20.03	6.98	0.02
		Outer Full	1.003	5.003	20.05	6.98	0.02
		Inner Full	0.998	4.998	19.97	7.00	0.09
		Inner 1RB Left	0.998	4.998	19.97	7.00	0.09
		Inner 1RB Right	0.997	4.997	19.95	7.00	0.09
CP-OFDM 256 QAM	3560.01	Edge 1RB Left	1.003	5.003	20.05	6.98	0.02
		Edge 1RB Right	1.003	5.003	20.05	6.98	0.02



		Outer_Full	0.997	4.997	19.95	7.00	0.09
		Inner_Full	0.998	4.998	19.97	7.00	0.09
		Inner_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Inner_1RB_Right	0.997	4.997	19.95	7.00	0.09
	3624.99	Edge_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Edge_1RB_Right	1.003	5.003	20.05	6.98	0.02
		Outer_Full	0.997	4.997	19.95	7.00	0.09
		Inner_Full	0.997	4.997	19.95	7.00	0.09
	3690	Inner_1RB_Left	0.998	4.998	19.97	7.00	0.09
		Inner_1RB_Right	0.997	4.997	19.95	7.00	0.09
		Edge_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Edge_1RB_Right	0.997	4.997	19.95	7.00	0.09
		Outer_Full	1.003	5.003	20.05	6.98	0.02
		Inner_Full	0.997	4.997	19.95	7.00	0.09
		Inner_1RB_Left	0.998	4.998	19.97	7.00	0.09
		Inner_1RB_Right	0.997	4.997	19.95	7.00	0.09

1.1.2 30_S_30M_NTNV

5G NR n48 SCS=30kHz SISO 30MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
DFT-s-OFDM PI/2 BPSK	3565.02	Edge_1RB_Left	1.002	5.002	20.03	6.98	0.02
		Edge_1RB_Right	1.002	5.002	20.03	6.98	0.02
		Outer_Full	0.997	4.997	19.95	7.00	0.11
		Inner_Full	1.003	5.003	20.05	6.98	0.02
		Inner_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Inner_1RB_Right	0.997	4.997	19.95	7.00	0.09
	3624.99	Edge_1RB_Left	1.003	5.003	20.05	6.98	0.02
		Edge_1RB_Right	0.997	4.997	19.95	7.00	0.09
		Outer_Full	0.998	4.998	19.97	7.00	0.11
		Inner_Full	0.997	4.997	19.95	7.00	0.09
		Inner_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Inner_1RB_Right	0.998	4.998	19.97	7.00	0.09
	3684.99	Edge_1RB_Left	0.998	4.998	19.97	7.00	0.11
		Edge_1RB_Right	0.997	4.997	19.95	7.00	0.09
		Outer_Full	1.003	5.003	20.05	6.98	0.02
		Inner_Full	0.997	4.997	19.95	7.00	0.11
		Inner_1RB_Left	0.998	4.998	19.97	7.00	0.11
		Inner_1RB_Right	1.003	5.003	20.05	6.98	0.02
DFT-s-OFDM QPSK	3565.02	Edge_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Edge_1RB_Right	0.998	4.998	19.97	7.00	0.09
		Outer_Full	1.003	5.003	20.05	6.98	0.02
		Inner_Full	0.998	4.998	19.97	7.00	0.09
		Inner_1RB_Left	1.003	5.003	20.05	6.98	0.02
		Inner_1RB_Right	0.997	4.997	19.95	7.00	0.09
	3624.99	Edge_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Edge_1RB_Right	0.998	4.998	19.97	7.00	0.09
		Outer_Full	0.997	4.997	19.95	7.00	0.09
		Inner_Full	0.998	4.998	19.97	7.00	0.09

	3684.99	Inner 1RB Right	0.997	4.997	19.95	7.00	0.09
		Edge 1RB Left	0.998	4.998	19.97	7.00	0.09
		Edge 1RB Right	0.999	4.999	19.98	6.99	0.09
		Outer Full	1.003	5.003	20.05	6.98	0.02
		Inner Full	1.003	5.003	20.05	6.98	0.02
		Inner 1RB Left	1.003	5.003	20.05	6.98	0.02
		Inner 1RB Right	1.003	5.003	20.05	6.98	0.02
DFT-s-OFDM 16 QAM	3565.02	Edge 1RB Left	0.998	4.998	19.97	7.00	0.09
		Edge 1RB Right	0.997	4.997	19.95	7.00	0.09
		Outer Full	1.002	5.002	20.03	6.98	0.02
		Inner Full	0.998	5.001	19.96	7.00	0.10
		Inner 1RB Left	0.998	4.998	19.97	7.00	0.09
		Inner 1RB Right	0.998	4.998	19.97	7.00	0.09
	3624.99	Edge 1RB Left	0.997	4.997	19.95	7.00	0.09
		Edge 1RB Right	0.997	4.997	19.95	7.00	0.09
		Outer Full	0.998	4.998	19.97	7.00	0.09
		Inner Full	0.997	4.997	19.95	7.00	0.09
		Inner 1RB Left	0.998	4.998	19.97	7.00	0.09
		Inner 1RB Right	0.998	4.998	19.97	7.00	0.09
	3684.99	Edge 1RB Left	1.003	5.003	20.05	6.98	0.02
		Edge 1RB Right	0.997	4.997	19.95	7.00	0.11
		Outer Full	1.003	5.003	20.05	6.98	0.02
		Inner Full	1.003	5.003	20.05	6.98	0.02
		Inner 1RB Left	0.998	4.998	19.97	7.00	0.09
		Inner 1RB Right	0.997	4.997	19.95	7.00	0.09
DFT-s-OFDM 64 QAM	3565.02	Edge 1RB Left	0.998	4.998	19.97	7.00	0.09
		Edge 1RB Right	0.997	4.997	19.95	7.00	0.09
		Outer Full	1.003	5.003	20.05	6.98	0.02
		Inner Full	0.997	4.997	19.95	7.00	0.09
		Inner 1RB Left	1.003	5.003	20.05	6.98	0.02
		Inner 1RB Right	0.997	4.997	19.95	7.00	0.09
	3624.99	Edge 1RB Left	0.997	4.997	19.95	7.00	0.09
		Edge 1RB Right	0.997	4.997	19.95	7.00	0.09
		Outer Full	0.998	4.998	19.97	7.00	0.09
		Inner Full	0.997	4.997	19.95	7.00	0.09
		Inner 1RB Left	0.997	4.997	19.95	7.00	0.09
		Inner 1RB Right	0.997	4.997	19.95	7.00	0.09
	3684.99	Edge 1RB Left	0.997	4.997	19.95	7.00	0.09
		Edge 1RB Right	1.003	5.003	20.05	6.98	0.02
		Outer Full	0.998	4.998	19.97	7.00	0.09
		Inner Full	0.997	4.997	19.95	7.00	0.09
		Inner 1RB Left	0.998	4.998	19.97	7.00	0.09
		Inner 1RB Right	0.997	4.997	19.95	7.00	0.09
DFT-s-OFDM 256 QAM	3565.02	Edge 1RB Left	0.998	4.998	19.97	7.00	0.09
		Edge 1RB Right	0.997	4.997	19.95	7.00	0.09
		Outer Full	0.997	4.997	19.95	7.00	0.09
		Inner Full	0.997	4.997	19.95	7.00	0.09
		Inner 1RB Left	0.997	4.997	19.95	7.00	0.09
		Inner 1RB Right	1.002	5.002	20.03	6.98	0.02
	3624.99	Edge 1RB Left	1.002	5.002	20.03	6.98	0.02
		Edge 1RB Right	0.997	4.997	19.95	7.00	0.09
		Outer Full	1.003	5.003	20.05	6.98	0.02
		Inner Full	0.998	4.998	19.97	7.00	0.09

	3684.99	Inner_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Inner_1RB_Right	0.998	4.998	19.97	7.00	0.09
		Edge_1RB_Left	0.998	4.998	19.97	7.00	0.09
		Edge_1RB_Right	1.018	4.997	20.37	6.91	0.51
		Outer_Full	0.997	4.997	19.95	7.00	0.09
		Inner_Full	0.997	4.997	19.95	7.00	0.09
		Inner_1RB_Left	0.992	5.003	19.83	7.03	0.66
		Inner_1RB_Right	1.024	5.003	20.47	6.89	0.43
CP-OFDM QPSK	3565.02	Edge_1RB_Left	0.998	4.998	19.97	7.00	0.09
		Edge_1RB_Right	0.997	4.997	19.95	7.00	0.09
		Outer_Full	1.003	5.003	20.05	6.98	0.02
		Inner_Full	0.997	4.997	19.95	7.00	0.09
		Inner_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Inner_1RB_Right	0.998	4.998	19.97	7.00	0.09
	3624.99	Edge_1RB_Left	1.003	5.003	20.05	6.98	0.02
		Edge_1RB_Right	0.997	4.997	19.95	7.00	0.09
		Outer_Full	0.998	4.998	19.97	7.00	0.11
		Inner_Full	0.997	4.997	19.95	7.00	0.11
		Inner_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Inner_1RB_Right	0.997	4.997	19.95	7.00	0.09
	3684.99	Edge_1RB_Left	0.998	4.998	19.97	7.00	0.09
		Edge_1RB_Right	0.992	5.003	19.83	7.03	0.34
		Outer_Full	0.997	4.997	19.95	7.00	0.11
		Inner_Full	0.998	4.998	19.97	7.00	0.11
		Inner_1RB_Left	1.003	5.003	20.05	6.98	0.02
		Inner_1RB_Right	0.997	4.997	19.95	7.00	0.11
CP-OFDM 16 QAM	3565.02	Edge_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Edge_1RB_Right	0.998	4.998	19.97	7.00	0.09
		Outer_Full	0.997	4.997	19.95	7.00	0.09
		Inner_Full	1.003	5.003	20.05	6.98	0.02
		Inner_1RB_Left	1.003	5.003	20.05	6.98	0.02
		Inner_1RB_Right	1.002	5.002	20.03	6.98	0.02
	3624.99	Edge_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Edge_1RB_Right	0.998	4.998	19.97	7.00	0.09
		Outer_Full	0.998	4.998	19.97	7.00	0.09
		Inner_Full	0.998	4.998	19.97	7.00	0.09
		Inner_1RB_Left	0.998	4.998	19.97	7.00	0.09
		Inner_1RB_Right	0.997	4.997	19.95	7.00	0.09
	3684.99	Edge_1RB_Left	0.998	4.998	19.97	7.00	0.09
		Edge_1RB_Right	0.715	4.709	15.18	8.19	4.88
		Outer_Full	0.997	4.997	19.95	7.00	0.09
		Inner_Full	1.003	5.003	20.05	6.98	0.02
		Inner_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Inner_1RB_Right	0.997	4.997	19.95	7.00	0.09
CP-OFDM 64 QAM	3565.02	Edge_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Edge_1RB_Right	0.997	4.997	19.95	7.00	0.09
		Outer_Full	0.997	4.997	19.95	7.00	0.09
		Inner_Full	0.997	4.997	19.95	7.00	0.09
		Inner_1RB_Left	0.998	4.998	19.97	7.00	0.09
		Inner_1RB_Right	0.997	4.997	19.95	7.00	0.09
	3624.99	Edge_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Edge_1RB_Right	0.997	4.997	19.95	7.00	0.09
		Outer_Full	0.998	4.998	19.97	7.00	0.09
		Inner_Full	0.998	4.998	19.97	7.00	0.09

CP-OFDM 256 QAM		Inner Full	0.998	4.998	19.97	7.00	0.09
		Inner 1RB Left	0.998	4.998	19.97	7.00	0.09
		Inner 1RB Right	0.997	4.997	19.95	7.00	0.09
	3684.99	Edge 1RB Left	0.992	4.997	19.85	7.02	0.64
		Edge 1RB Right	0.997	4.997	19.95	7.00	0.09
		Outer Full	0.997	4.997	19.95	7.00	0.09
		Inner Full	1.003	5.003	20.05	6.98	0.02
		Inner 1RB Left	0.997	4.997	19.95	7.00	0.09
		Inner 1RB Right	0.997	4.997	19.95	7.00	0.11
	3565.02	Edge 1RB Left	0.998	4.998	19.97	7.00	0.09
		Edge 1RB Right	1.002	5.002	20.03	6.98	0.02
		Outer Full	0.999	5.002	19.97	7.00	0.10
		Inner Full	0.997	4.997	19.95	7.00	0.09
		Inner 1RB Left	0.998	4.998	19.97	7.00	0.09
		Inner 1RB Right	0.997	4.997	19.95	7.00	0.09
	3624.99	Edge 1RB Left	0.997	4.997	19.95	7.00	0.09
		Edge 1RB Right	0.997	4.997	19.95	7.00	0.09
		Outer Full	0.997	4.997	19.95	7.00	0.09
		Inner Full	1.002	5.002	20.03	6.98	0.02
		Inner 1RB Left	0.997	4.997	19.95	7.00	0.09
		Inner 1RB Right	0.997	4.997	19.95	7.00	0.09
	3684.99	Edge 1RB Left	0.998	4.998	19.97	7.00	0.09
		Edge 1RB Right	0.997	4.997	19.95	7.00	0.09
		Outer Full	0.997	4.997	19.95	7.00	0.09
		Inner Full	0.998	4.998	19.97	7.00	0.09
		Inner 1RB Left	0.998	4.998	19.97	7.00	0.11
		Inner 1RB Right	0.998	4.998	19.97	7.00	0.09

1.1.3 30_S_40M_NTNV

5G NR n48 SCS=30kHz SISO 40MHz 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	3570	Edge 1RB Left	0.998	4.998	19.97	7.00	0.09
		Edge 1RB Right	0.997	4.997	19.95	7.00	0.09
		Outer Full	0.998	4.998	19.97	7.00	0.11
		Inner Full	0.998	4.998	19.97	7.00	0.09
		Inner 1RB Left	0.997	4.997	19.95	7.00	0.09
		Inner 1RB Right	1.002	5.002	20.03	6.98	0.02
	3624.99	Edge 1RB Left	1.003	5.003	20.05	6.98	0.02
		Edge 1RB Right	0.998	4.998	19.97	7.00	0.09
		Outer Full	0.997	4.997	19.95	7.00	0.11
		Inner Full	1.002	5.002	20.03	6.98	0.02
		Inner 1RB Left	0.997	4.997	19.95	7.00	0.09
		Inner 1RB Right	1.003	5.003	20.05	6.98	0.02
	3679.98	Edge 1RB Left	0.998	4.998	19.97	7.00	0.11
		Edge 1RB Right	1.003	5.003	20.05	6.98	0.02
		Outer Full	1.003	5.003	20.05	6.98	0.02
		Inner Full	1.003	5.003	20.05	6.98	0.02
		Inner 1RB Left	0.998	4.998	19.97	7.00	0.09
		Inner 1RB Right	0.997	4.997	19.95	7.00	0.09

DFT-s-OFDM QPSK	3570	Edge_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Edge_1RB_Right	1.002	5.002	20.03	6.98	0.02
		Outer_Full	0.997	4.997	19.95	7.00	0.11
		Inner_Full	0.997	5.000	19.94	7.00	0.09
		Inner_1RB_Left	1.003	5.003	20.05	6.98	0.02
		Inner_1RB_Right	1.003	5.003	20.05	6.98	0.02
	3624.99	Edge_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Edge_1RB_Right	0.997	4.997	19.95	7.00	0.09
		Outer_Full	0.997	4.997	19.95	7.00	0.09
		Inner_Full	0.997	4.997	19.95	7.00	0.11
		Inner_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Inner_1RB_Right	0.997	4.997	19.95	7.00	0.09
	3679.98	Edge_1RB_Left	1.002	5.002	20.03	6.98	0.02
		Edge_1RB_Right	1.002	5.002	20.03	6.98	0.02
		Outer_Full	0.998	4.998	19.97	7.00	0.09
		Inner_Full	1.003	5.003	20.05	6.98	0.02
		Inner_1RB_Left	1.002	5.002	20.03	6.98	0.02
		Inner_1RB_Right	0.998	4.998	19.97	7.00	0.09
DFT-s-OFDM 16 QAM	3570	Edge_1RB_Left	1.002	5.002	20.03	6.98	0.02
		Edge_1RB_Right	0.998	4.998	19.97	7.00	0.09
		Outer_Full	0.997	4.997	19.95	7.00	0.11
		Inner_Full	1.003	5.003	20.05	6.98	0.02
		Inner_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Inner_1RB_Right	0.997	4.997	19.95	7.00	0.09
	3624.99	Edge_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Edge_1RB_Right	1.002	5.002	20.03	6.98	0.02
		Outer_Full	0.997	4.997	19.95	7.00	0.09
		Inner_Full	1.003	5.003	20.05	6.98	0.02
		Inner_1RB_Left	0.998	4.998	19.97	7.00	0.09
		Inner_1RB_Right	0.997	4.997	19.95	7.00	0.09
	3679.98	Edge_1RB_Left	1.003	5.003	20.05	6.98	0.02
		Edge_1RB_Right	1.003	5.003	20.05	6.98	0.02
		Outer_Full	0.998	4.998	19.97	7.00	0.11
		Inner_Full	0.998	4.998	19.97	7.00	0.11
		Inner_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Inner_1RB_Right	0.998	4.998	19.97	7.00	0.09
DFT-s-OFDM 64 QAM	3570	Edge_1RB_Left	0.998	4.998	19.97	7.00	0.09
		Edge_1RB_Right	0.997	4.997	19.95	7.00	0.09
		Outer_Full	0.997	4.997	19.95	7.00	0.09
		Inner_Full	0.997	4.997	19.95	7.00	0.11
		Inner_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Inner_1RB_Right	0.998	4.998	19.97	7.00	0.11
	3624.99	Edge_1RB_Left	1.002	5.002	20.03	6.98	0.02
		Edge_1RB_Right	1.003	5.003	20.05	6.98	0.02
		Outer_Full	0.997	4.997	19.95	7.00	0.09
		Inner_Full	0.998	4.998	19.97	7.00	0.11
		Inner_1RB_Left	0.998	4.998	19.97	7.00	0.09
		Inner_1RB_Right	1.003	5.003	20.05	6.98	0.02
	3679.98	Edge_1RB_Left	0.997	4.997	19.95	7.00	0.62
		Edge_1RB_Right	0.997	4.997	19.95	7.00	0.09
		Outer_Full	0.998	4.998	19.97	7.00	0.09
		Inner_Full	0.997	4.997	19.95	7.00	0.09
		Inner_1RB_Left	0.998	5.008	19.93	7.01	0.68

		Inner 1RB Right	0.997	4.997	19.95	7.00	0.09
DFT-s-OFDM 256 QAM	3570	Edge 1RB Left	0.997	4.997	19.95	7.00	0.09
		Edge 1RB Right	0.998	4.998	19.97	7.00	0.09
		Outer Full	0.998	4.998	19.97	7.00	0.09
		Inner Full	0.997	4.997	19.95	7.00	0.09
		Inner 1RB Left	0.997	4.997	19.95	7.00	0.09
		Inner 1RB Right	1.003	5.003	20.05	6.98	0.02
	3624.99	Edge 1RB Left	0.997	4.997	19.95	7.00	0.09
		Edge 1RB Right	1.002	5.002	20.03	6.98	0.02
		Outer Full	0.998	4.998	19.97	7.00	0.09
		Inner Full	1.002	5.002	20.03	6.98	0.02
		Inner 1RB Left	0.998	4.998	19.97	7.00	0.09
		Inner 1RB Right	0.997	4.997	19.95	7.00	0.09
	3679.98	Edge 1RB Left	0.997	4.997	19.95	7.00	0.62
		Edge 1RB Right	0.992	5.002	19.83	7.03	0.32
		Outer Full	0.997	4.997	19.95	7.00	0.11
		Inner Full	0.998	4.998	19.97	7.00	0.11
		Inner 1RB Left	0.997	4.997	19.95	7.00	0.09
		Inner 1RB Right	0.997	4.997	19.95	7.00	0.09
CP-OFDM QPSK	3570	Edge 1RB Left	0.997	4.997	19.95	7.00	0.09
		Edge 1RB Right	0.997	4.997	19.95	7.00	0.11
		Outer Full	0.997	4.997	19.95	7.00	0.09
		Inner Full	1.002	5.002	20.03	6.98	0.02
		Inner 1RB Left	0.997	4.997	19.95	7.00	0.09
		Inner 1RB Right	0.997	4.997	19.95	7.00	0.09
	3624.99	Edge 1RB Left	0.997	4.997	19.95	7.00	0.11
		Edge 1RB Right	0.998	4.998	19.97	7.00	0.09
		Outer Full	0.997	4.997	19.95	7.00	0.11
		Inner Full	1.003	5.003	20.05	6.98	0.02
		Inner 1RB Left	0.998	4.998	19.97	7.00	0.09
		Inner 1RB Right	1.003	5.003	20.05	6.98	0.02
	3679.98	Edge 1RB Left	0.998	4.998	19.97	7.00	0.11
		Edge 1RB Right	0.992	5.003	19.83	7.03	0.34
		Outer Full	1.003	5.003	20.05	6.98	0.02
		Inner Full	0.997	4.997	19.95	7.00	0.11
		Inner 1RB Left	1.002	5.002	20.03	6.98	0.02
		Inner 1RB Right	0.998	4.998	19.97	7.00	0.09
CP-OFDM 16 QAM	3570	Edge 1RB Left	0.998	4.998	19.97	7.00	0.09
		Edge 1RB Right	1.002	5.002	20.03	6.98	0.02
		Outer Full	0.997	4.997	19.95	7.00	0.11
		Inner Full	0.998	4.998	19.97	7.00	0.11
		Inner 1RB Left	0.997	4.997	19.95	7.00	0.11
		Inner 1RB Right	0.998	4.998	19.97	7.00	0.09
	3624.99	Edge 1RB Left	0.998	4.998	19.97	7.00	0.09
		Edge 1RB Right	0.997	4.997	19.95	7.00	0.09
		Outer Full	0.997	4.997	19.95	7.00	0.11
		Inner Full	0.997	4.997	19.95	7.00	0.09
		Inner 1RB Left	0.997	4.997	19.95	7.00	0.09
		Inner 1RB Right	0.998	4.998	19.97	7.00	0.09
	3679.98	Edge 1RB Left	1.003	5.003	20.05	6.98	0.02
		Edge 1RB Right	0.998	4.998	19.97	7.00	0.09
		Outer Full	0.998	4.998	19.97	7.00	0.09
		Inner Full	1.002	5.002	20.03	6.98	0.02



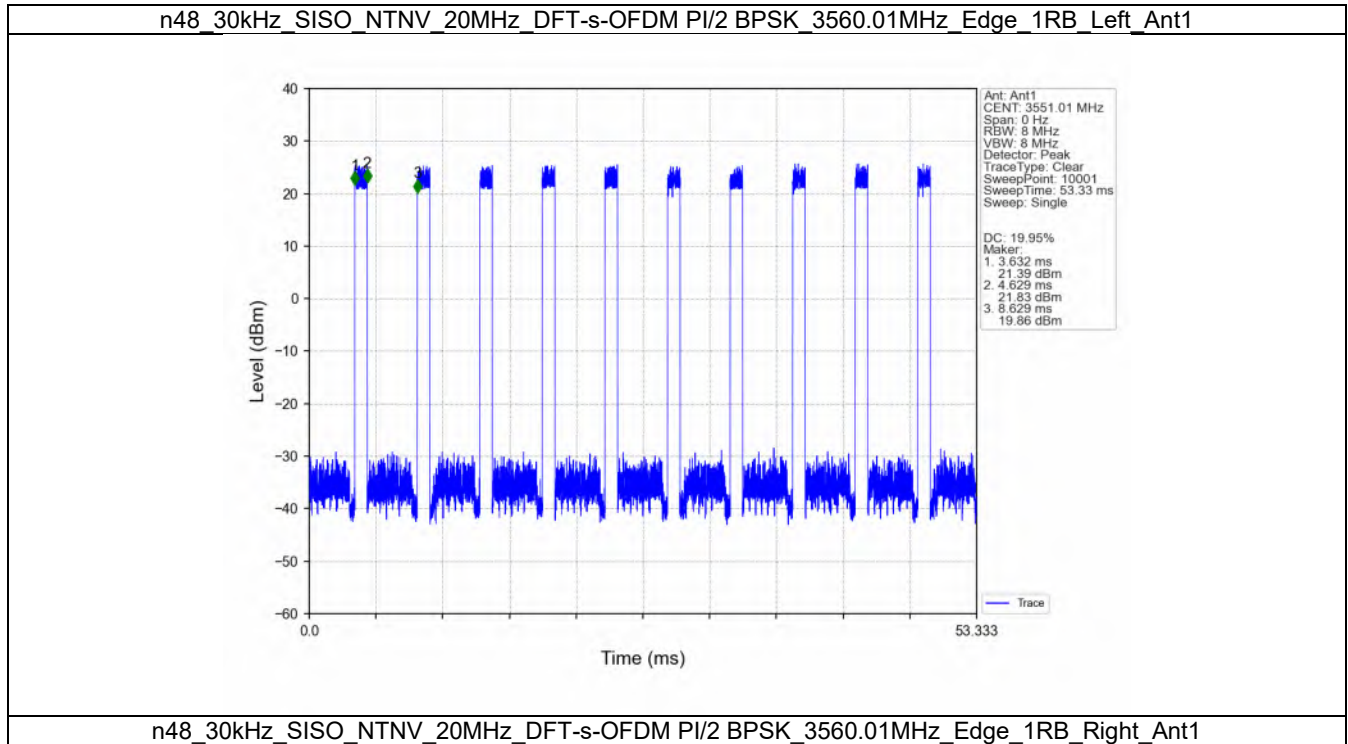
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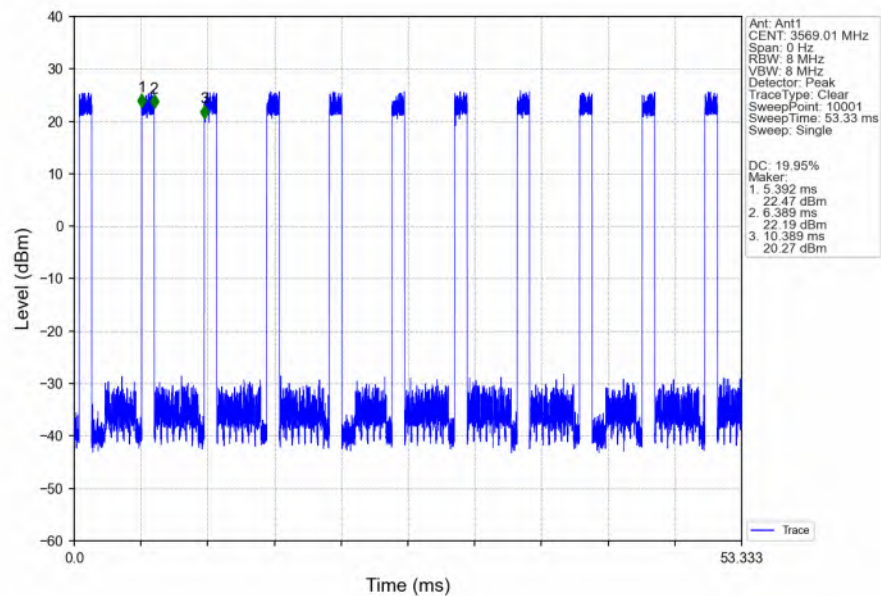
Page: 10 of 709

CP-OFDM 64 QAM		Inner_1RB_Left	0.800	4.795	16.68	7.78	80.57
		Inner_1RB_Right	1.003	5.003	20.05	6.98	0.02
	3570	Edge_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Edge_1RB_Right	1.003	5.003	20.05	6.98	0.02
		Outer_Full	1.002	5.002	20.03	6.98	0.02
		Inner_Full	0.997	4.997	19.95	7.00	0.11
		Inner_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Inner_1RB_Right	0.997	4.997	19.95	7.00	0.09
	3624.99	Edge_1RB_Left	0.998	4.998	19.97	7.00	0.09
		Edge_1RB_Right	0.998	4.998	19.97	7.00	0.09
		Outer_Full	0.997	4.997	19.95	7.00	0.09
		Inner_Full	0.997	4.997	19.95	7.00	0.09
		Inner_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Inner_1RB_Right	0.998	4.998	19.97	7.00	0.09
	3679.98	Edge_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Edge_1RB_Right	0.997	4.997	19.95	7.00	78.92
		Outer_Full	1.002	5.002	20.03	6.98	0.02
		Inner_Full	0.997	4.997	19.95	7.00	0.11
		Inner_1RB_Left	0.998	4.998	19.97	7.00	0.11
		Inner_1RB_Right	0.998	4.998	19.97	7.00	0.09
CP-OFDM 256 QAM	3570	Edge_1RB_Left	1.003	5.003	20.05	6.98	0.02
		Edge_1RB_Right	0.997	4.997	19.95	7.00	0.09
		Outer_Full	0.997	4.997	19.95	7.00	0.09
		Inner_Full	0.997	4.997	19.95	7.00	0.09
		Inner_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Inner_1RB_Right	0.998	4.998	19.97	7.00	0.09
	3624.99	Edge_1RB_Left	0.998	4.998	19.97	7.00	0.09
		Edge_1RB_Right	1.003	5.003	20.05	6.98	0.02
		Outer_Full	1.003	5.003	20.05	6.98	0.02
		Inner_Full	1.003	5.003	20.05	6.98	0.02
		Inner_1RB_Left	0.997	4.997	19.95	7.00	0.09
		Inner_1RB_Right	0.997	4.997	19.95	7.00	0.09
	3679.98	Edge_1RB_Left	0.997	4.997	19.95	7.00	0.62
		Edge_1RB_Right	0.997	4.997	19.95	7.00	0.09
		Outer_Full	0.997	4.997	19.95	7.00	0.09
		Inner_Full	1.003	5.003	20.05	6.98	0.02
		Inner_1RB_Left	1.003	4.992	20.09	6.97	0.81
		Inner_1RB_Right	0.998	4.998	19.97	7.00	0.11

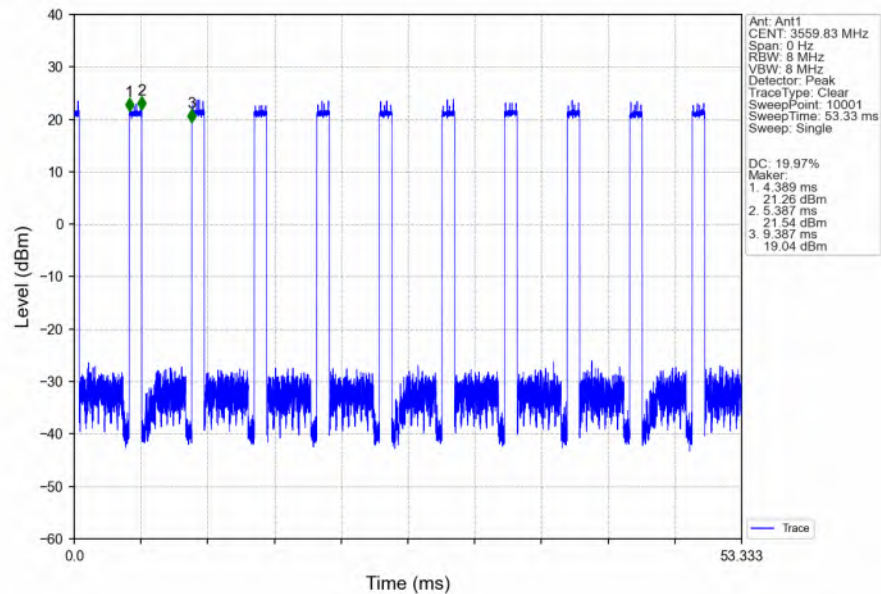
1.2 Test Graph

1.2.1 30_S_20M_NTNV

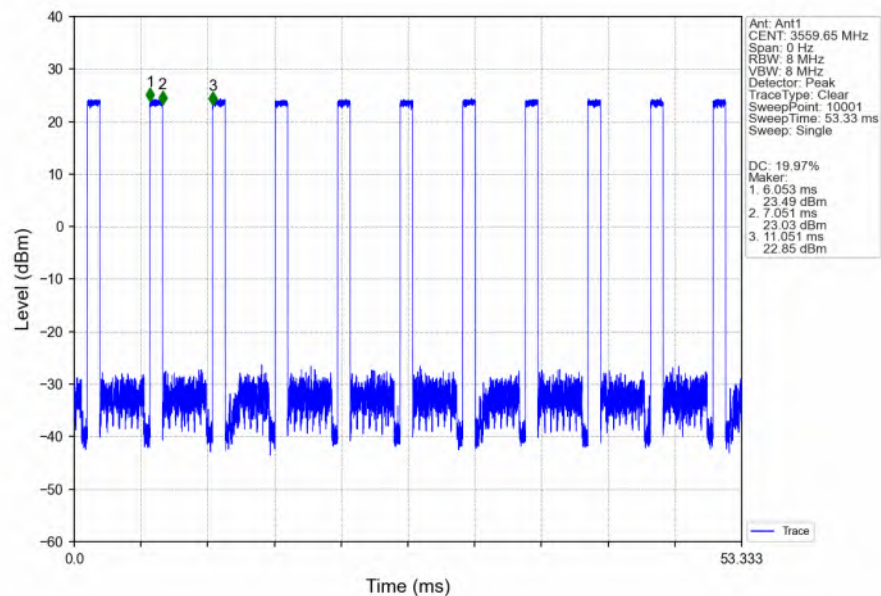




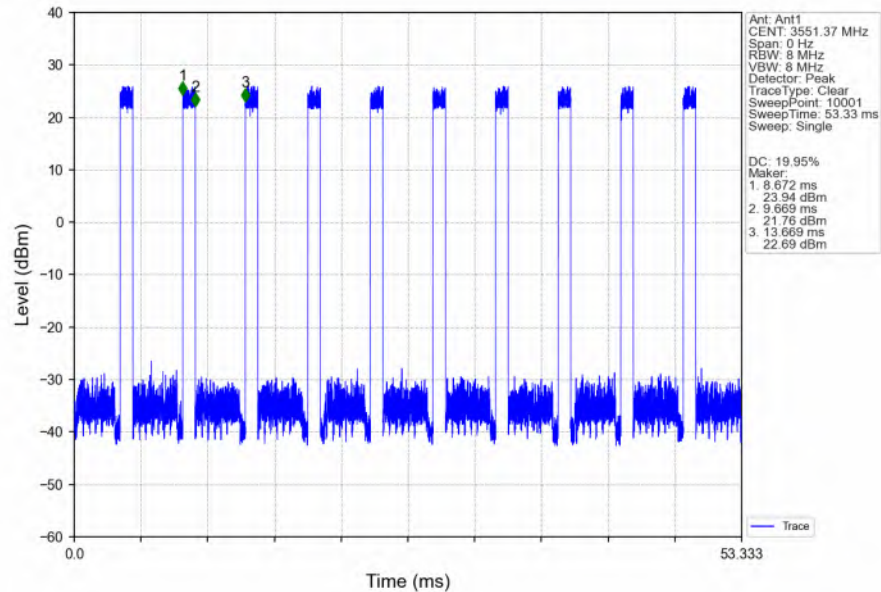
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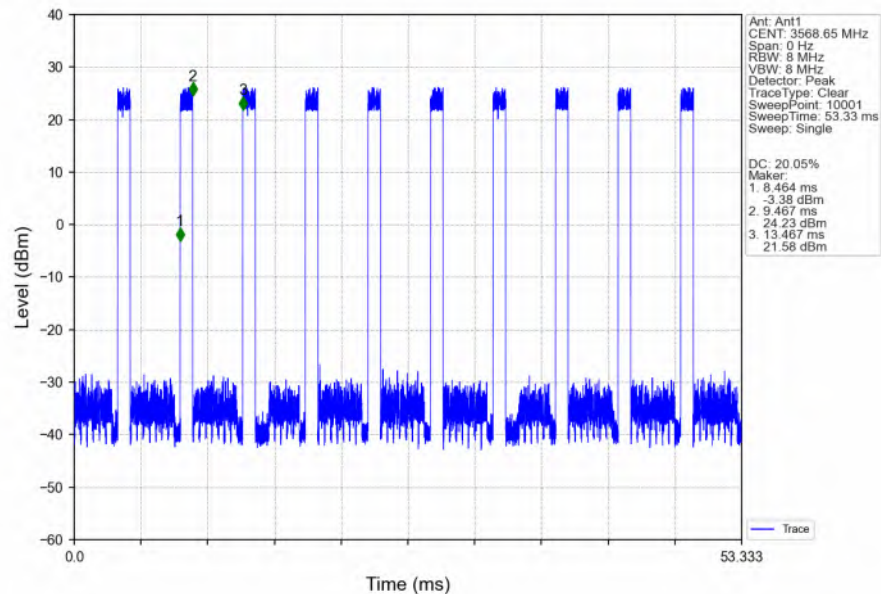
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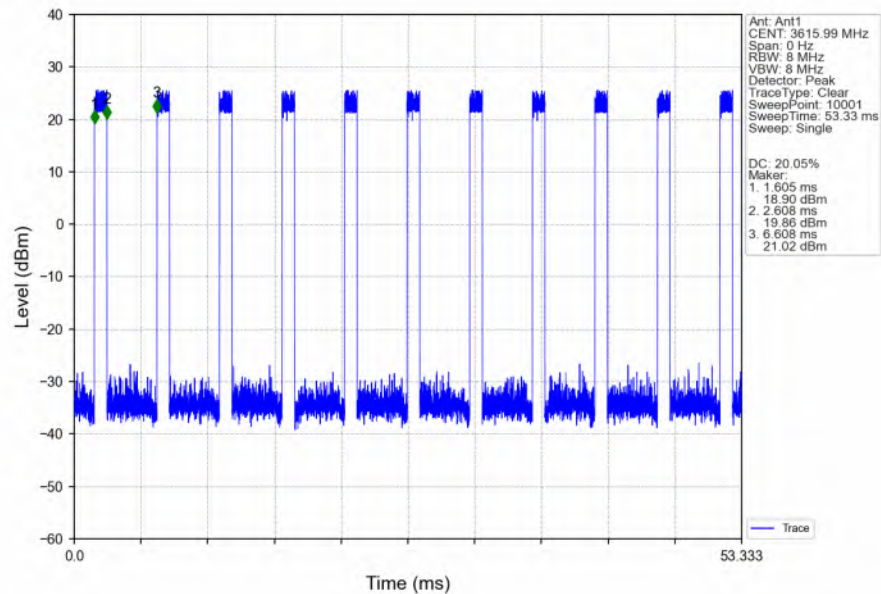
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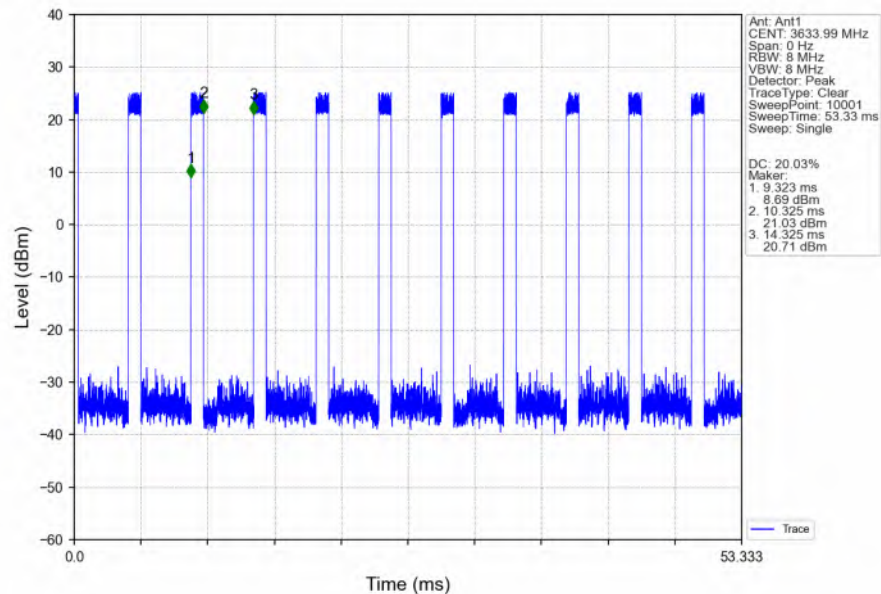
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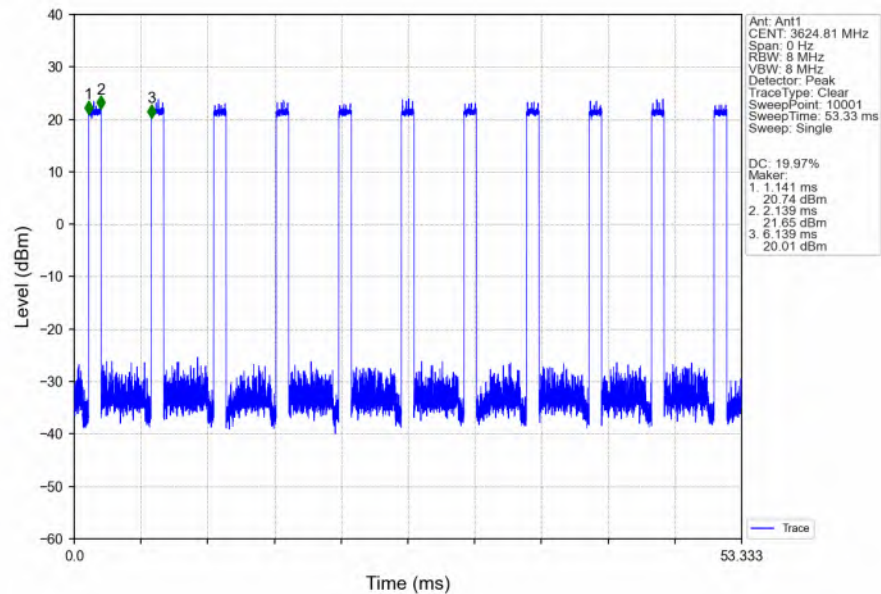
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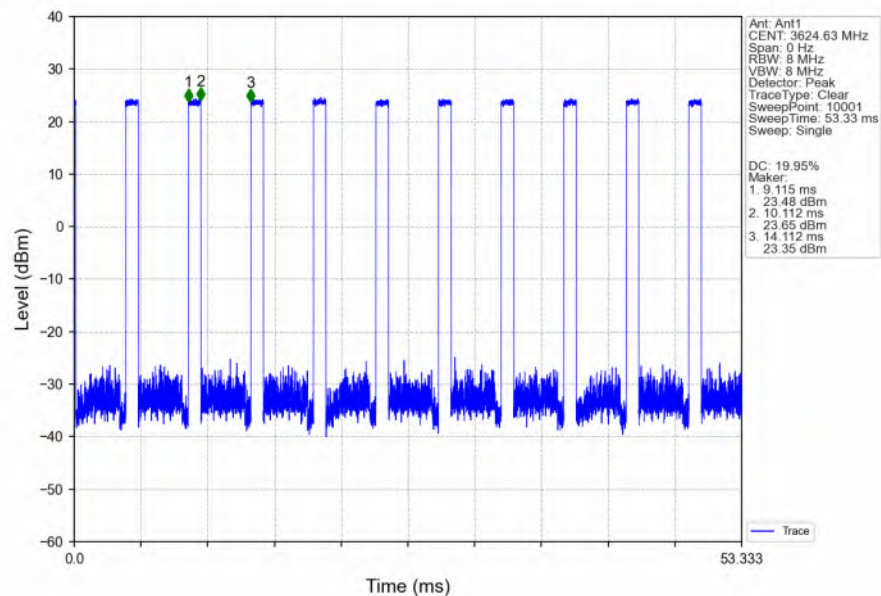
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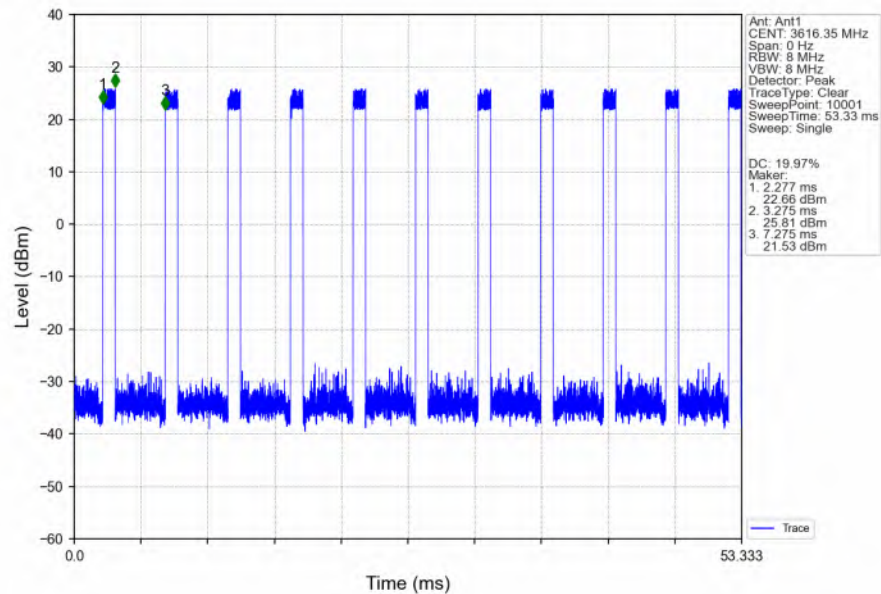
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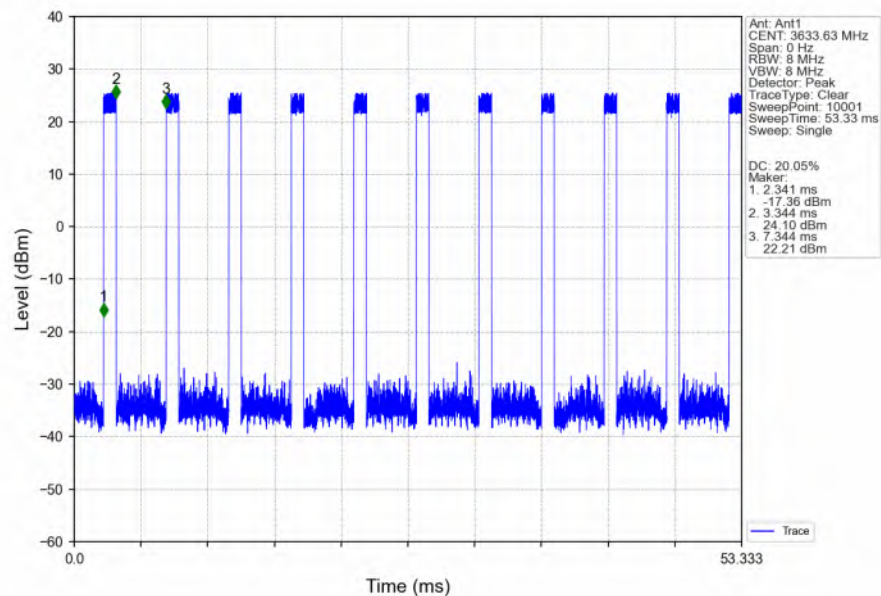
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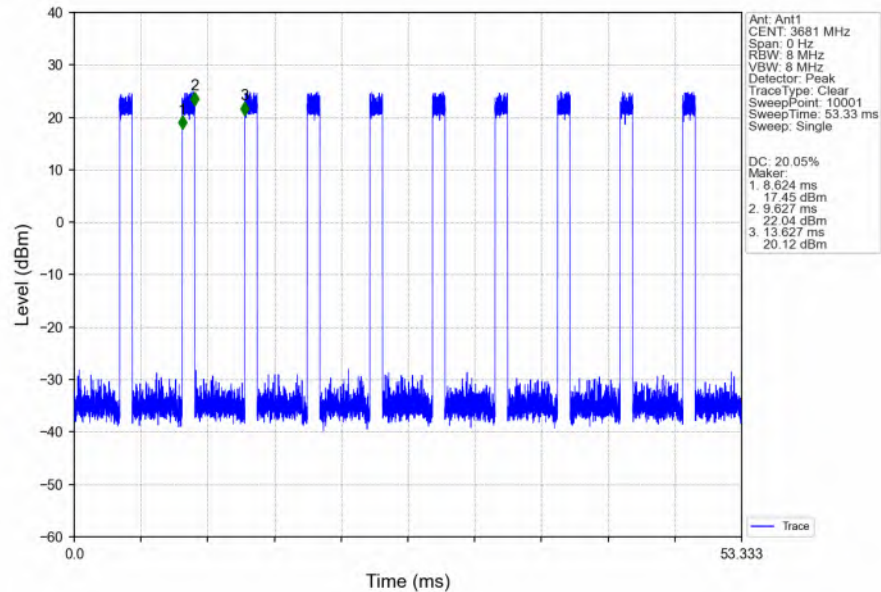
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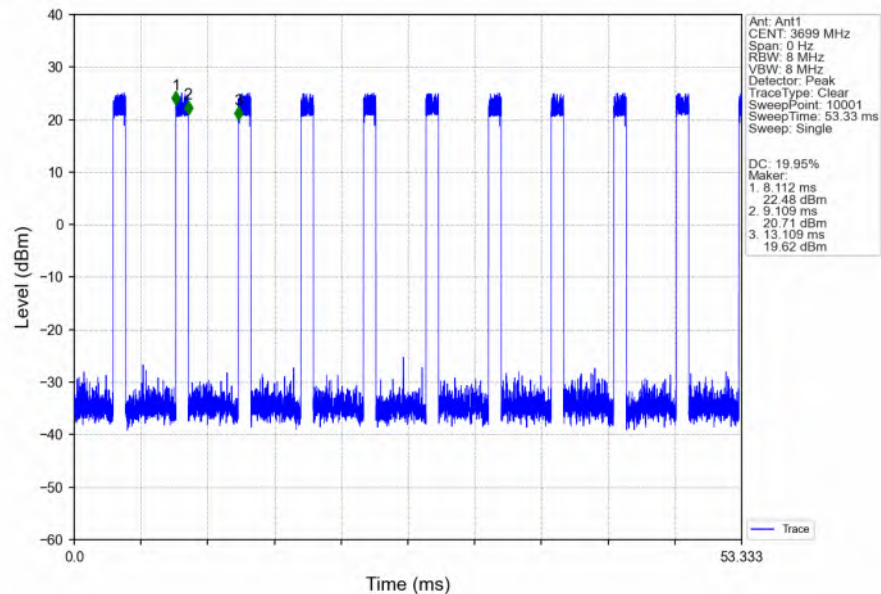
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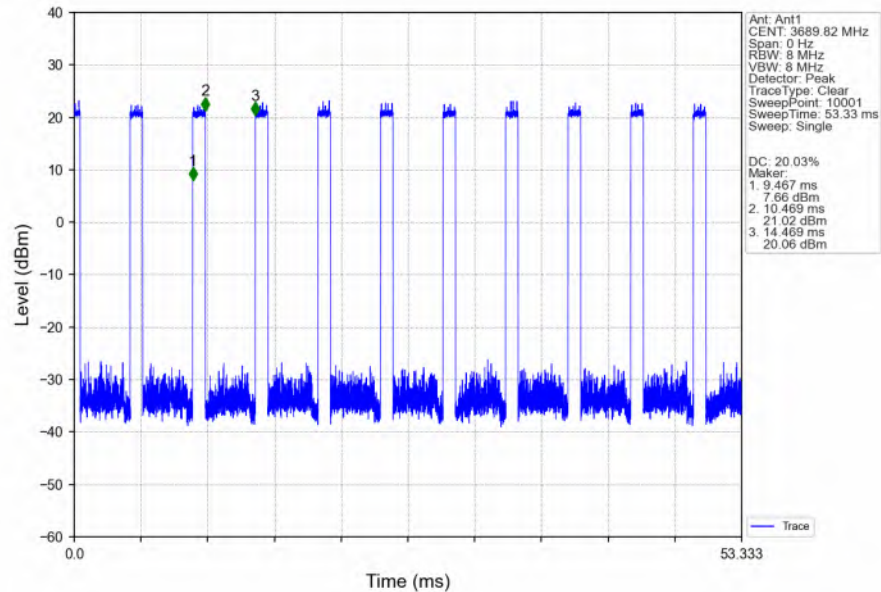
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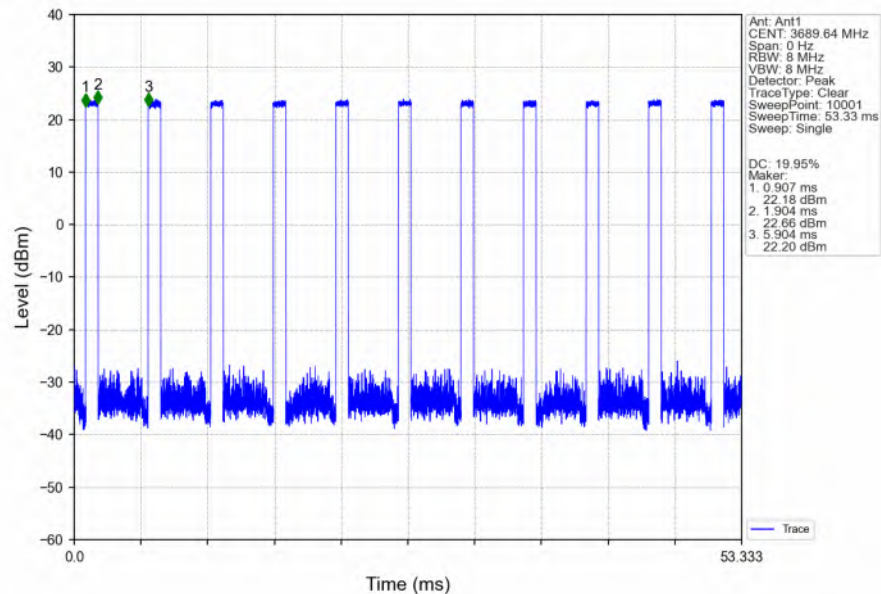
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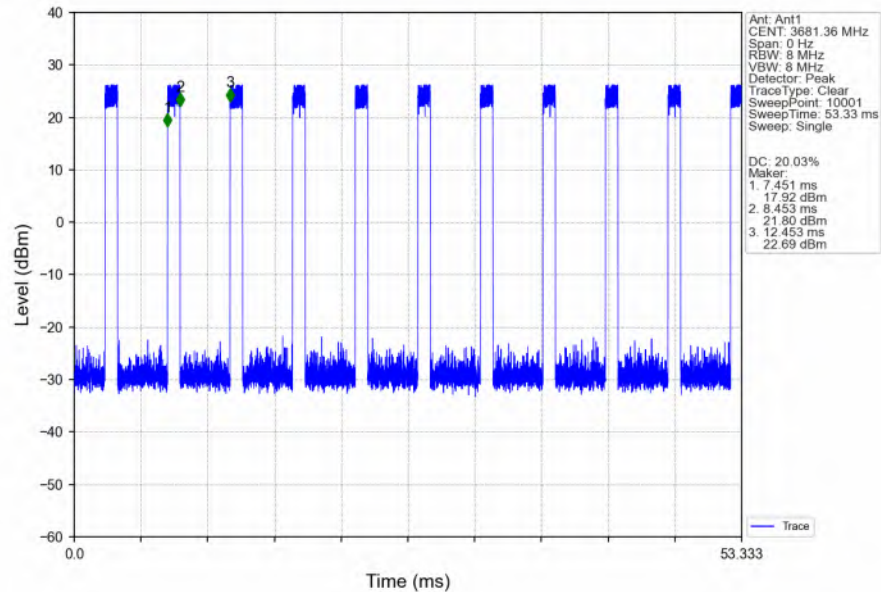
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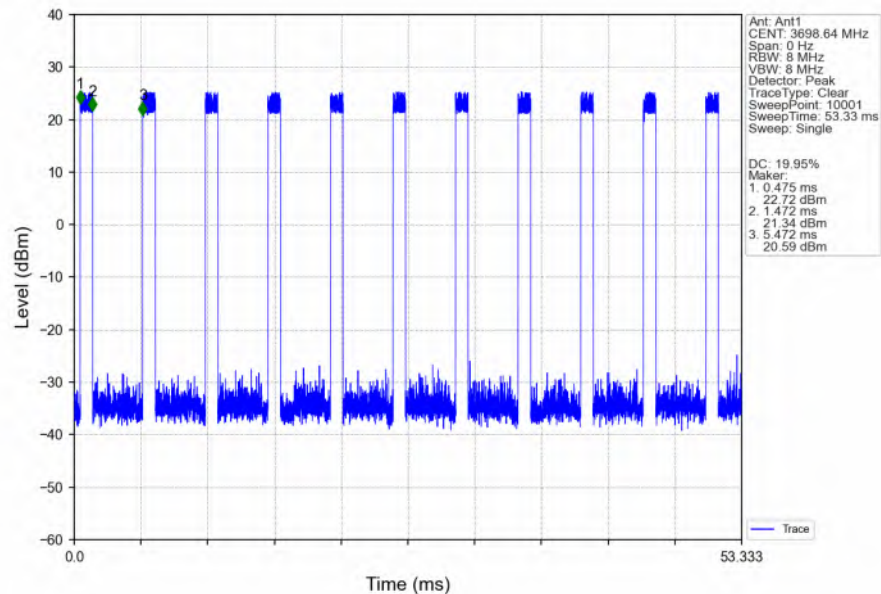
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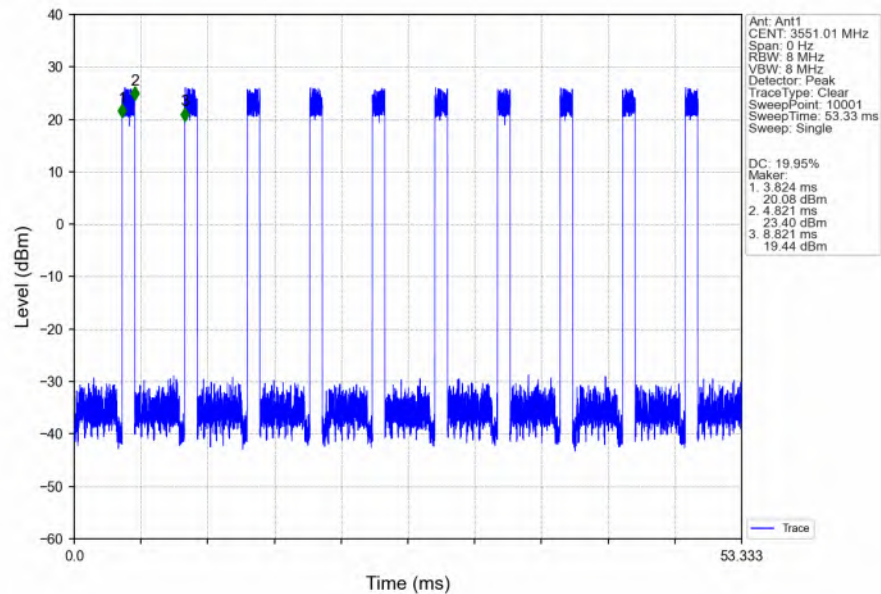
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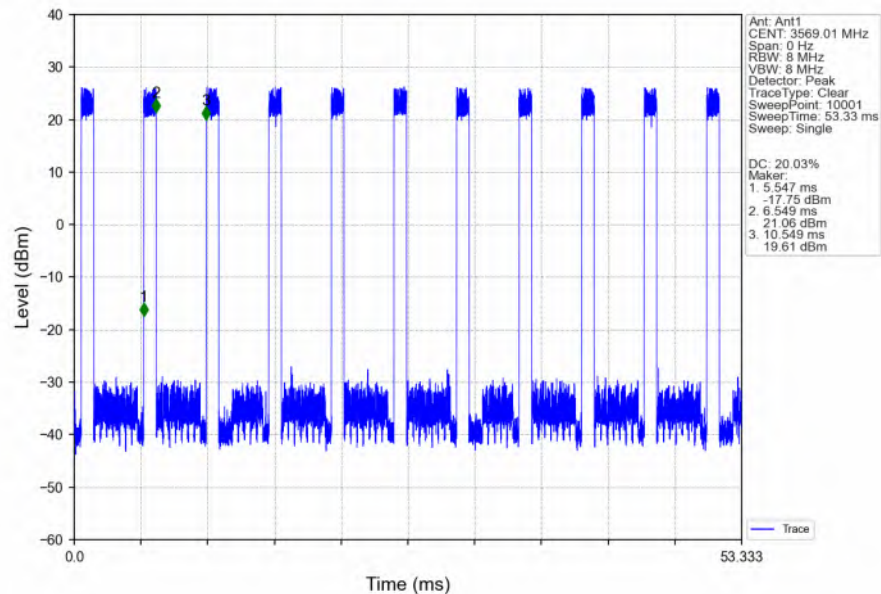
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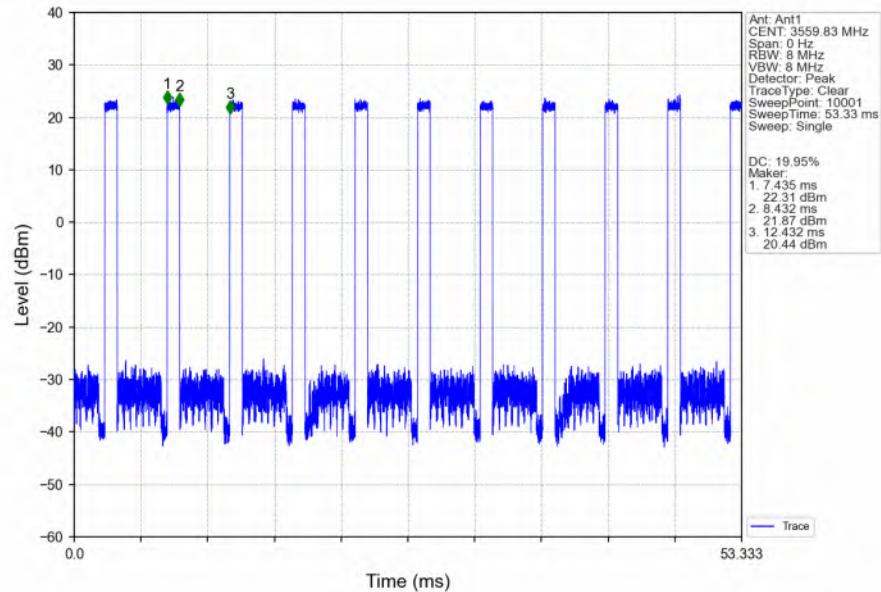
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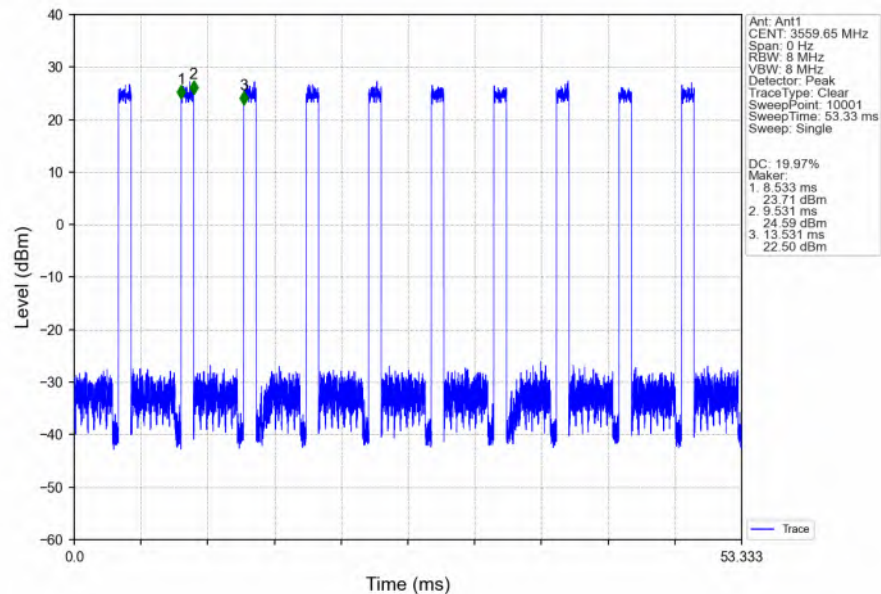
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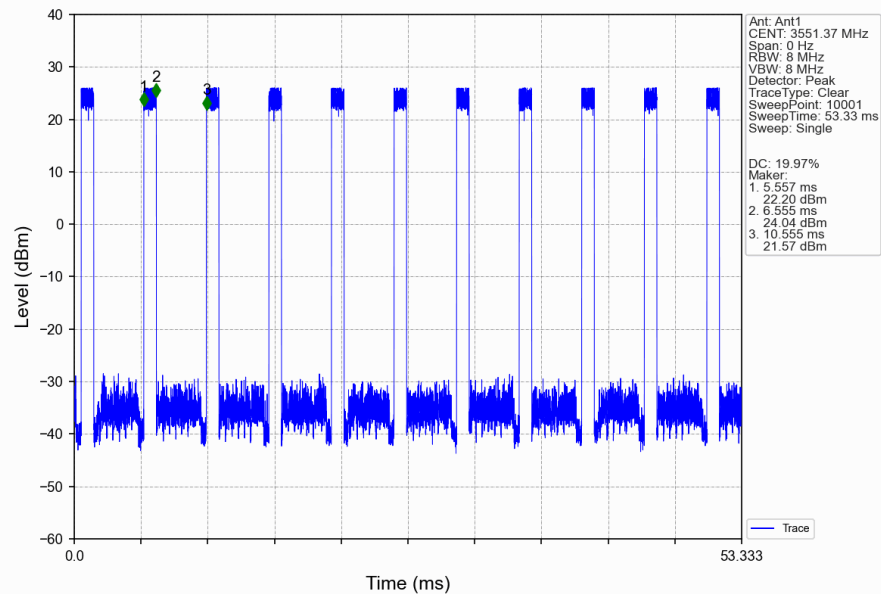
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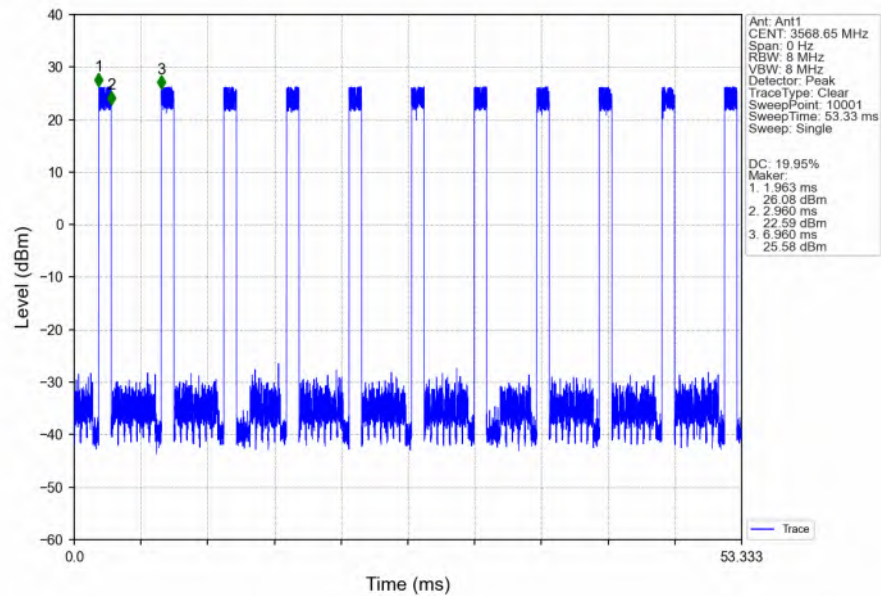
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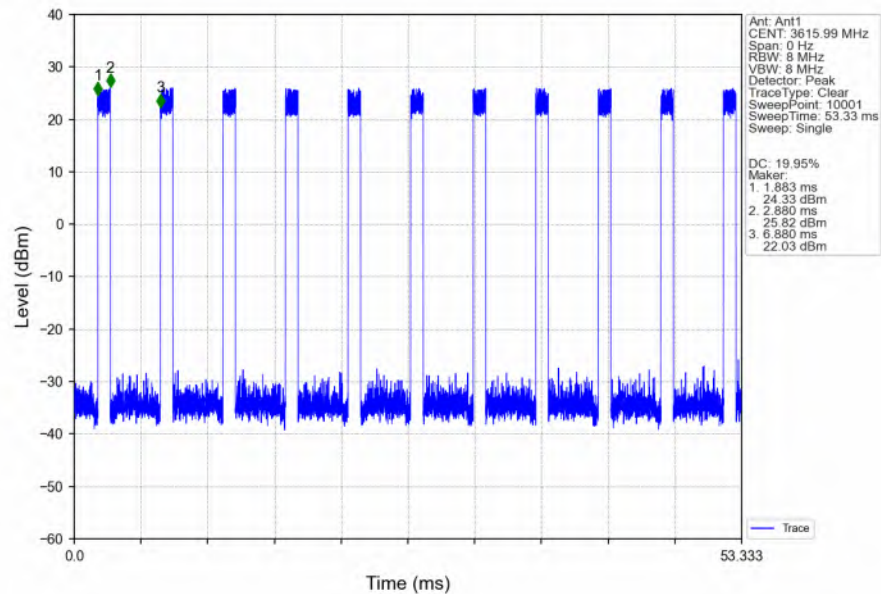
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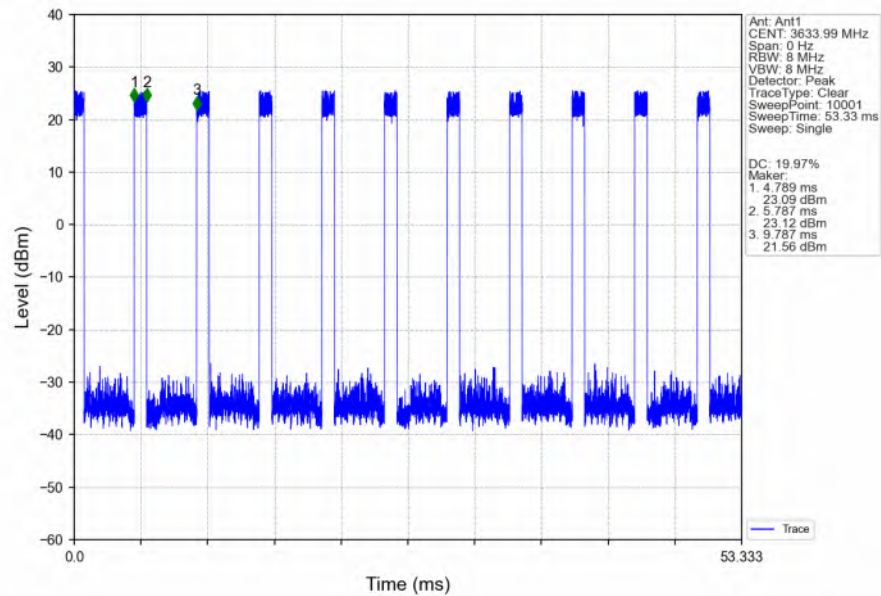
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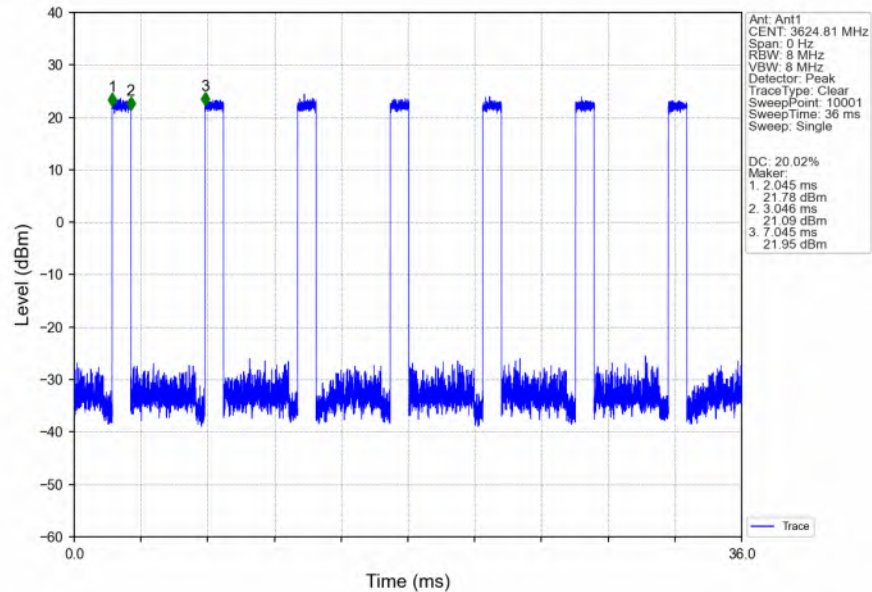
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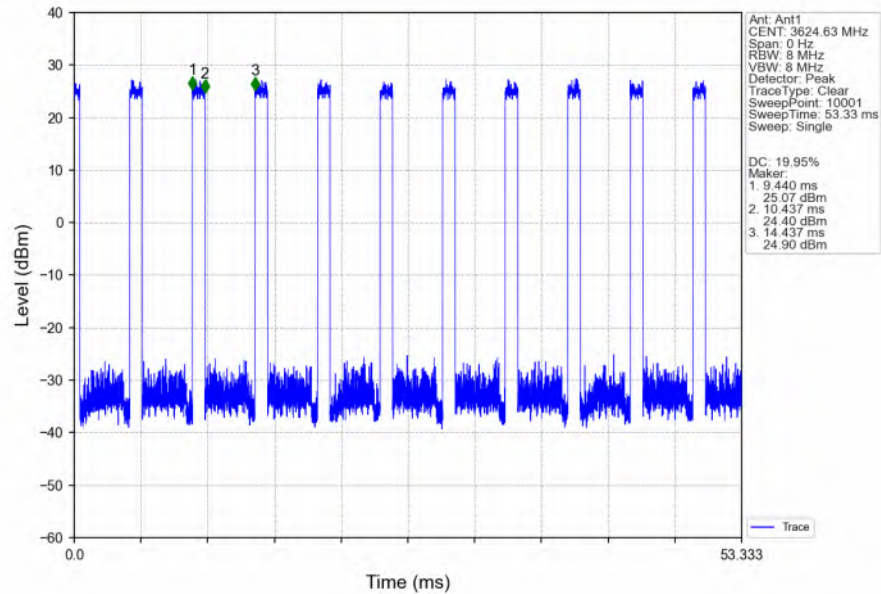
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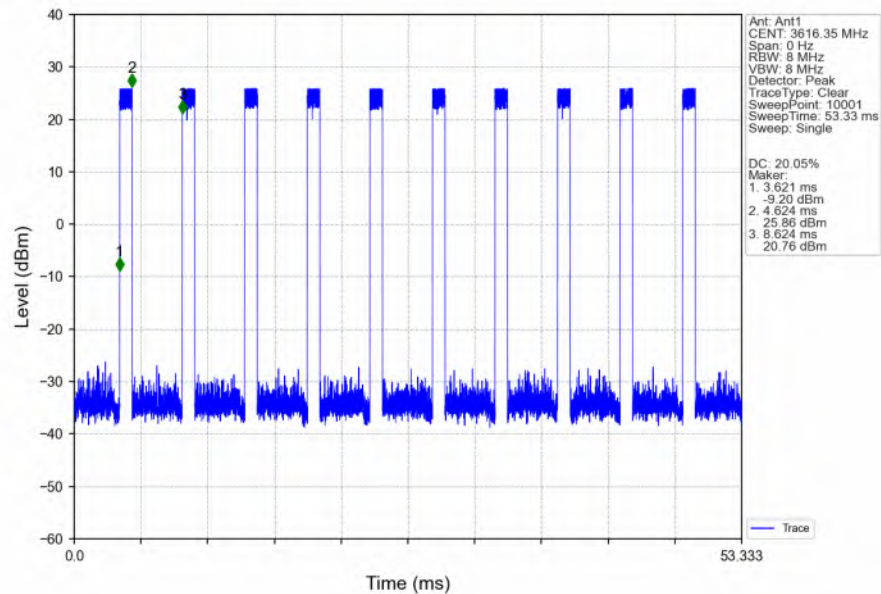
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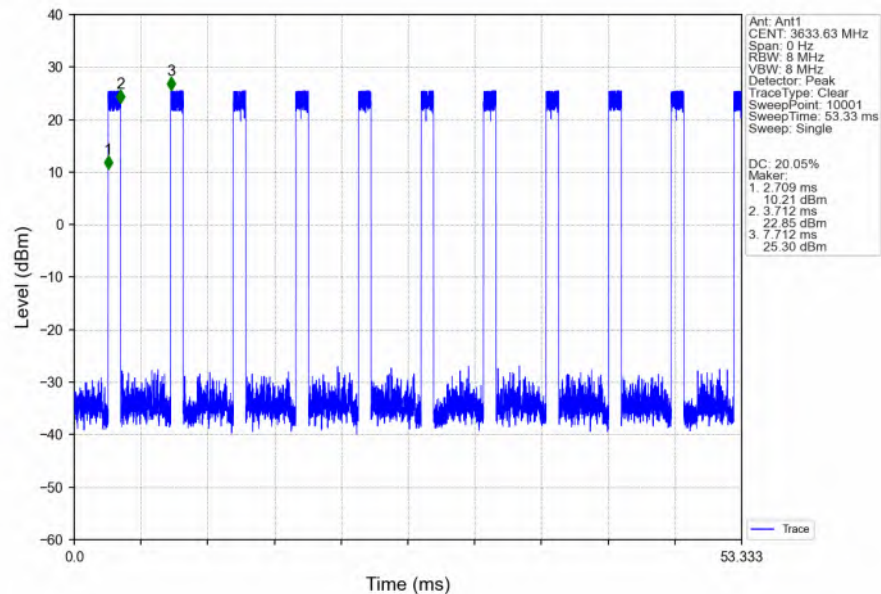
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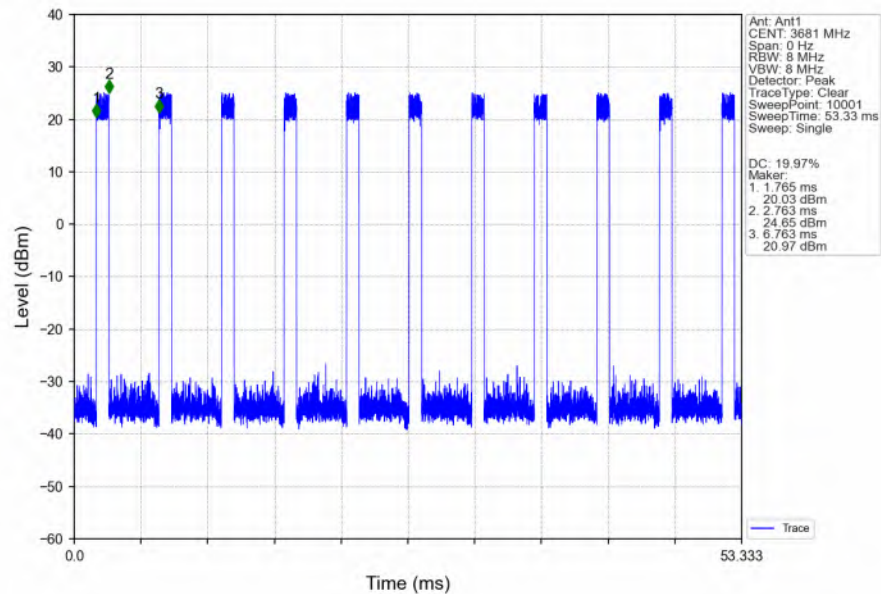
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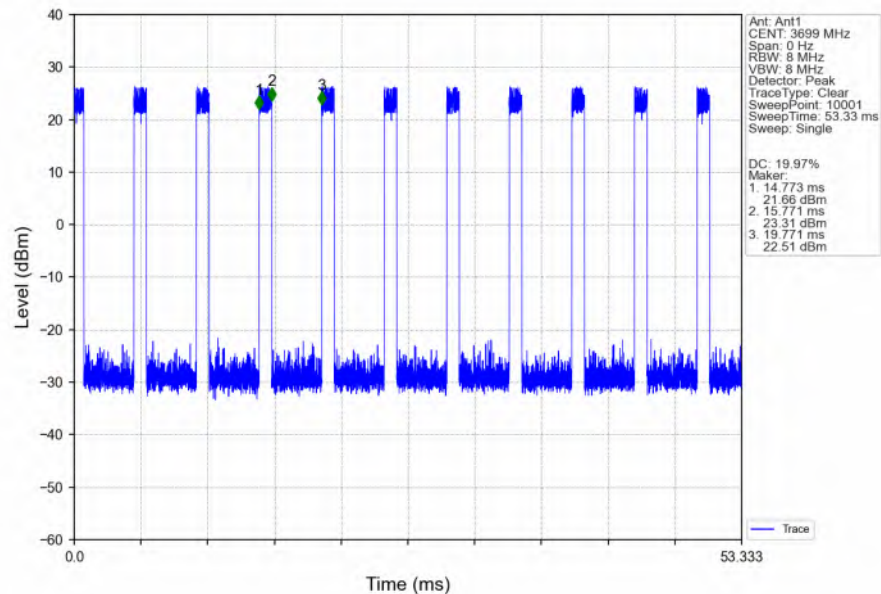
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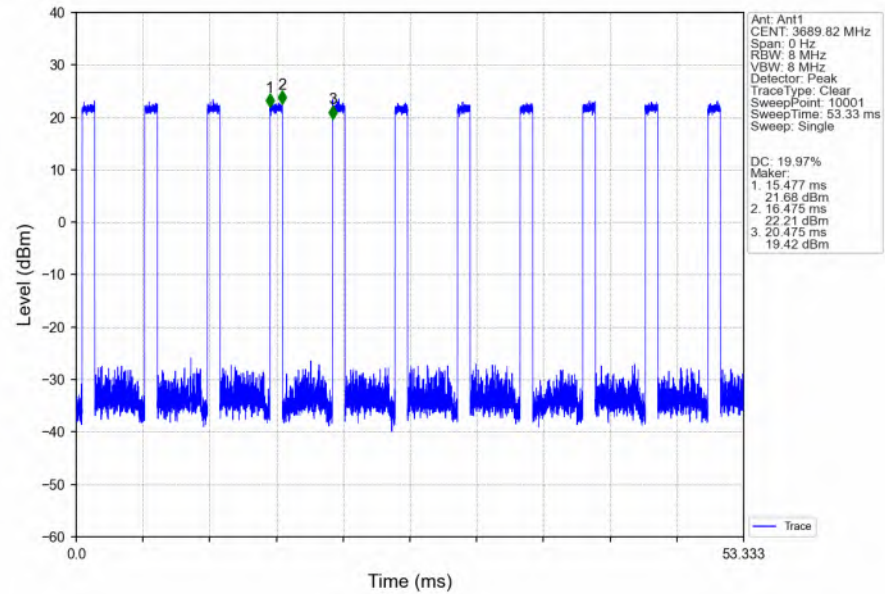
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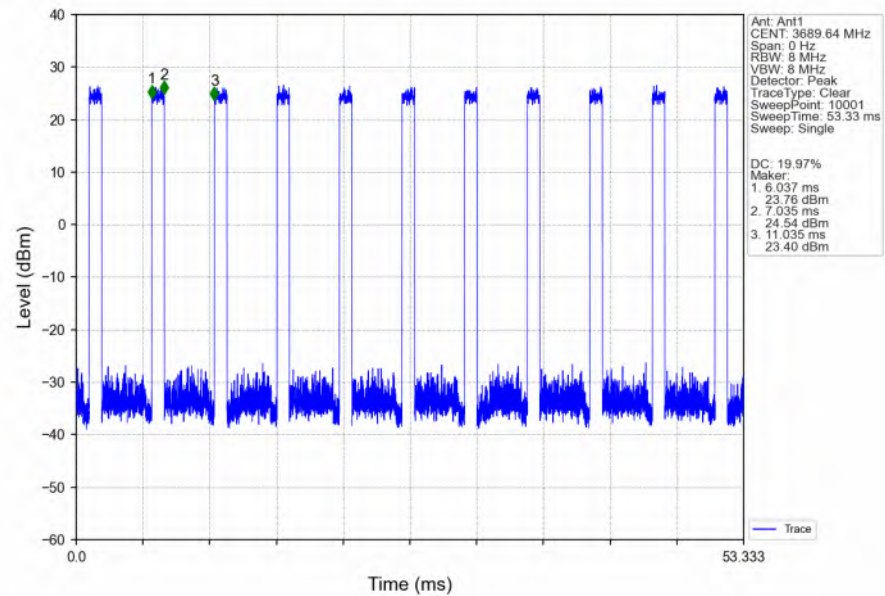
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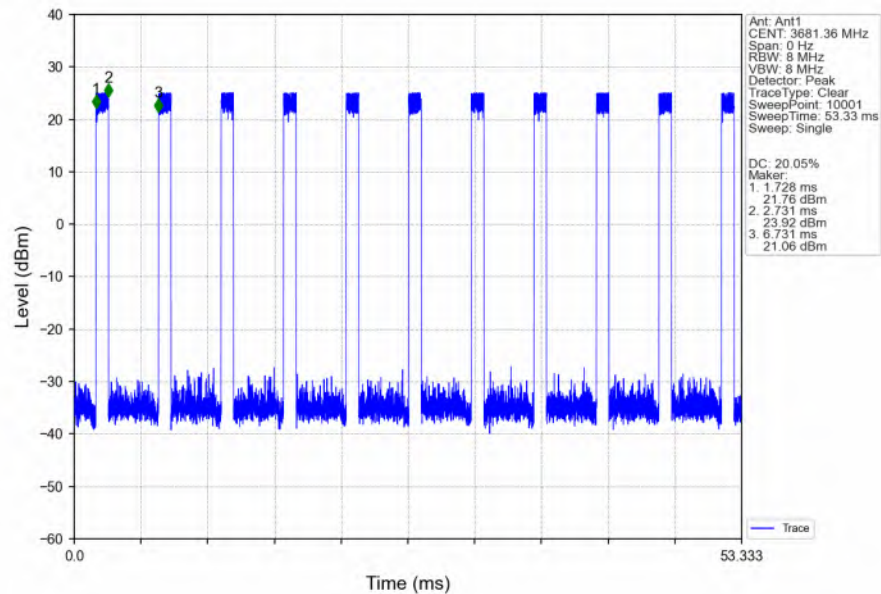
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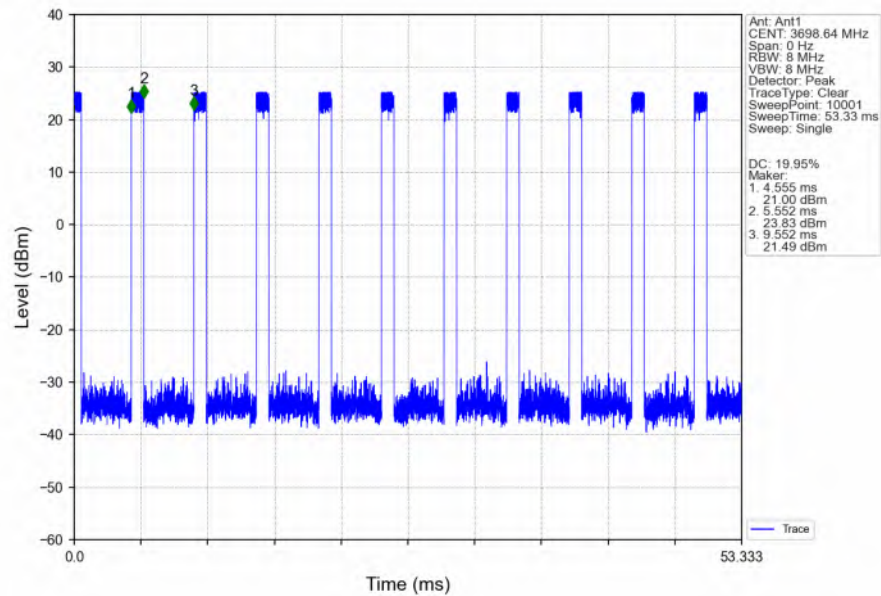
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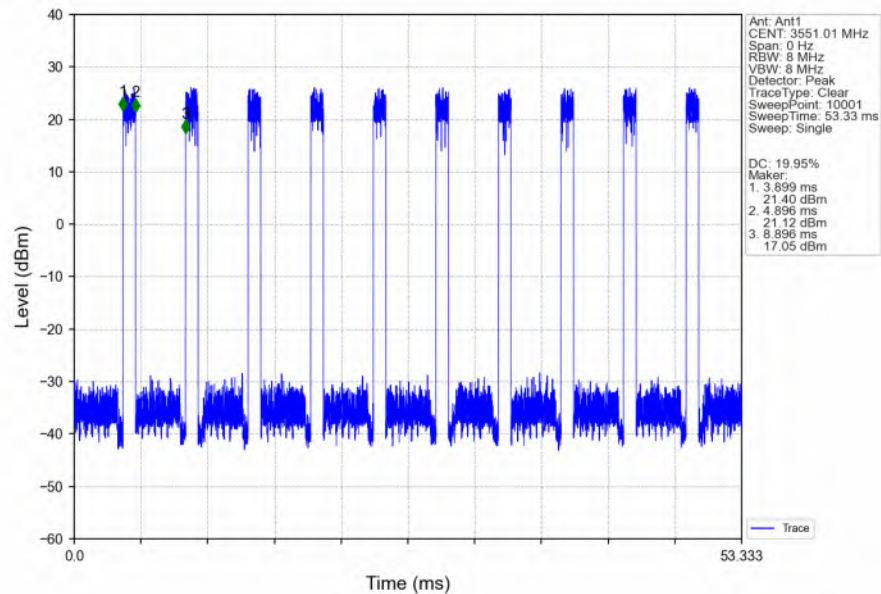
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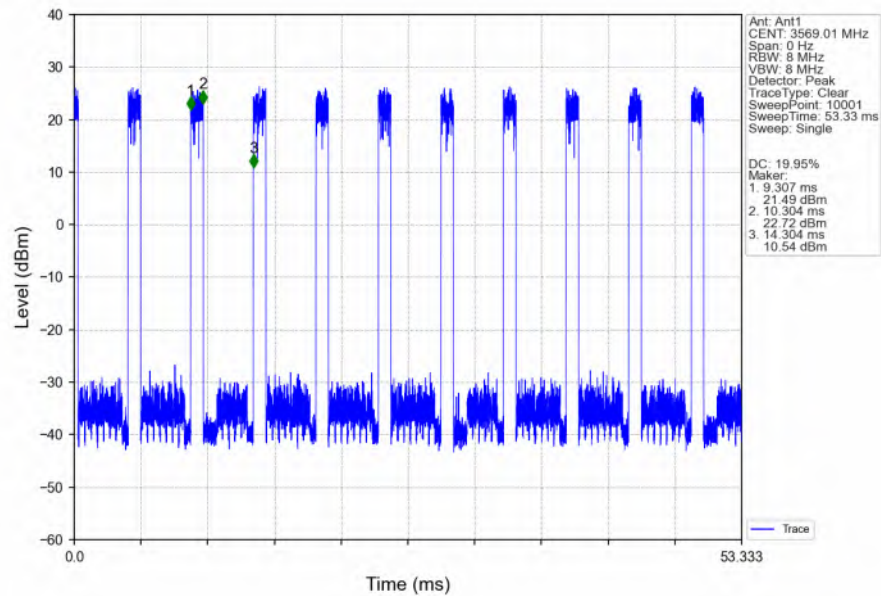
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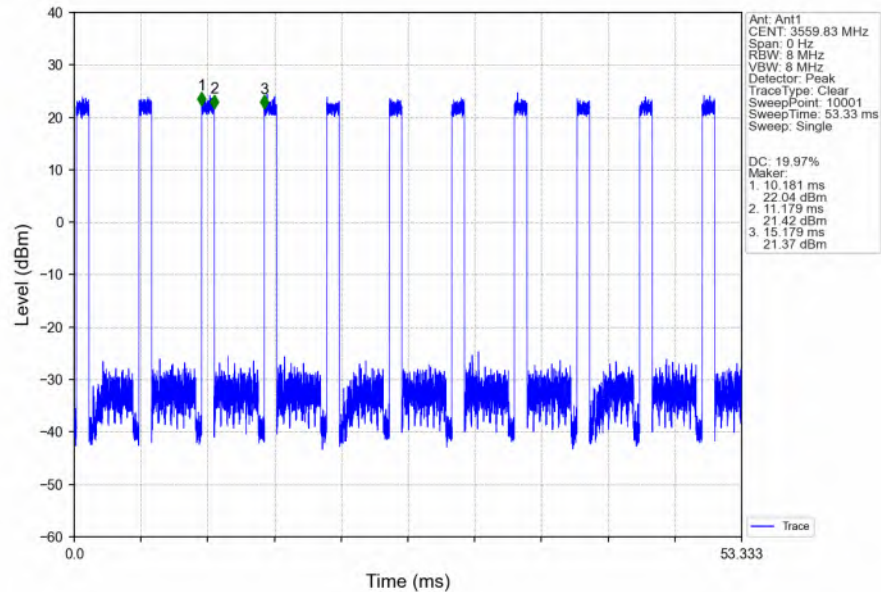
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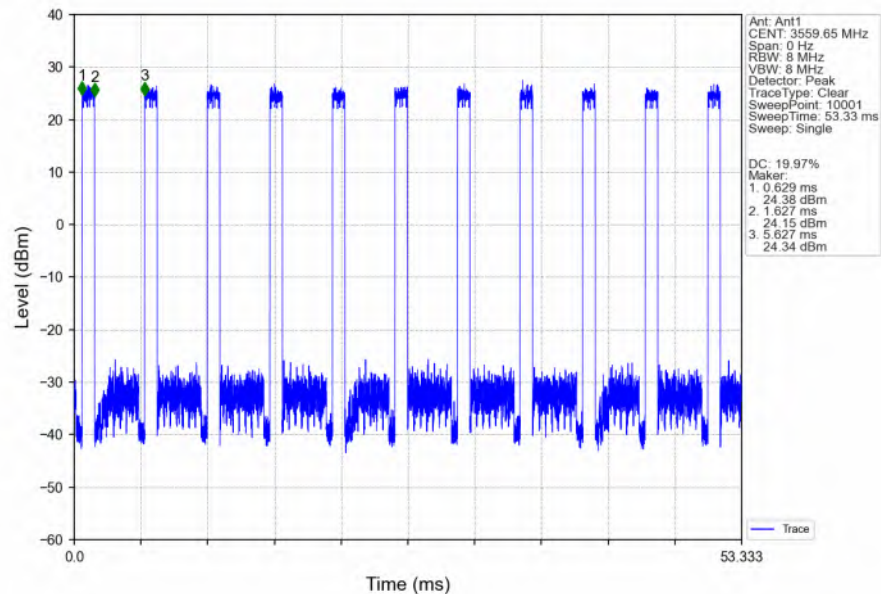
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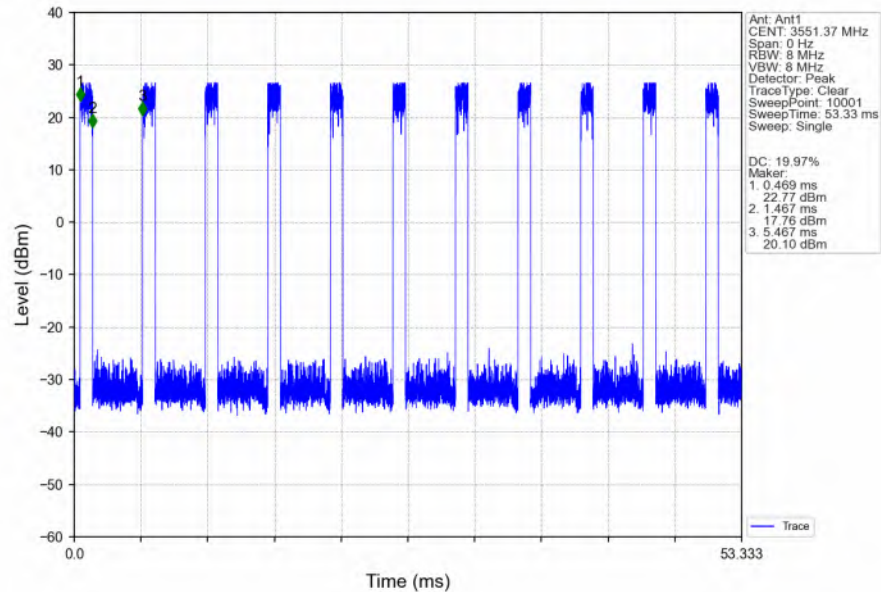
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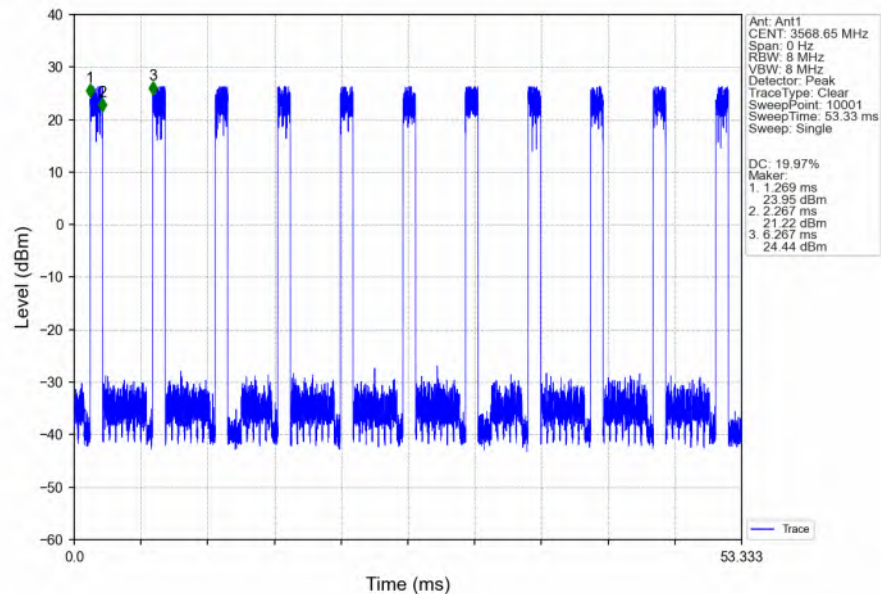
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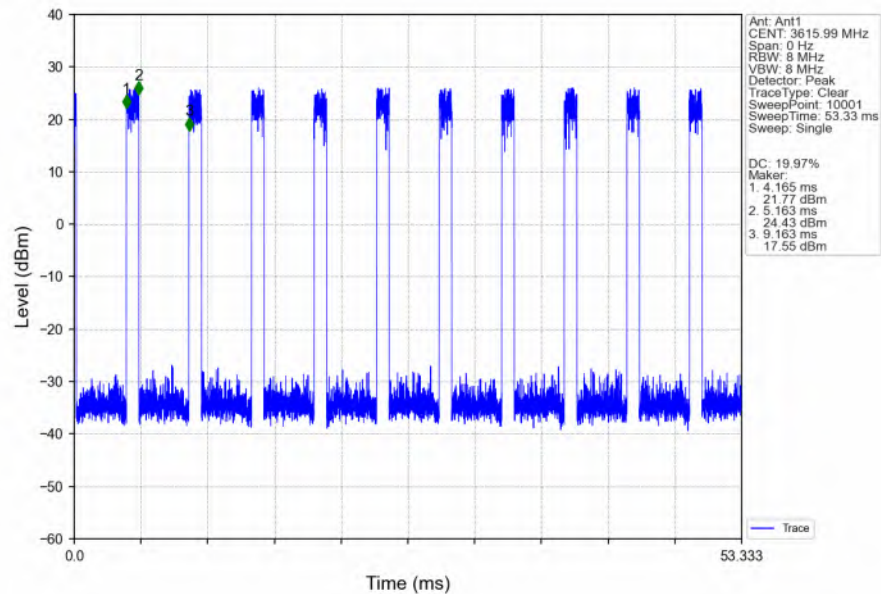
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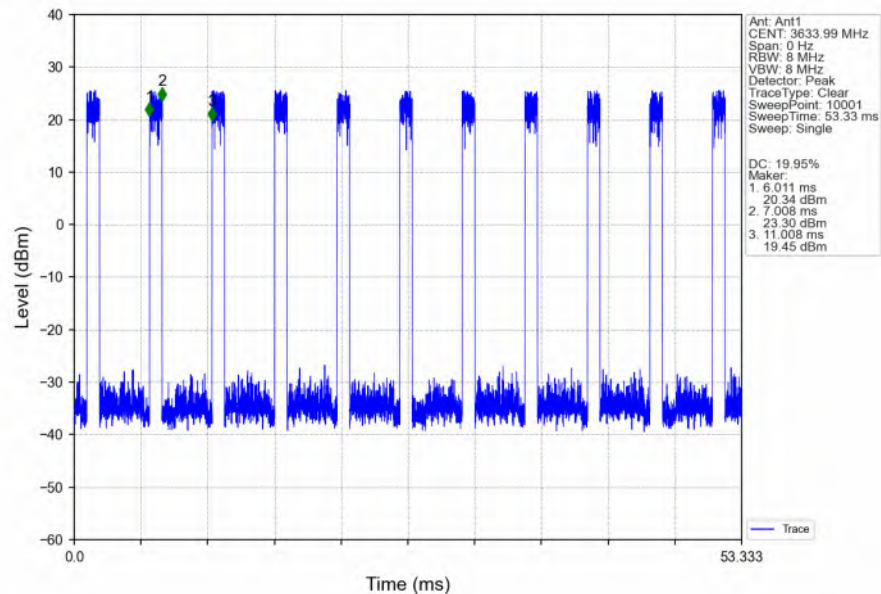
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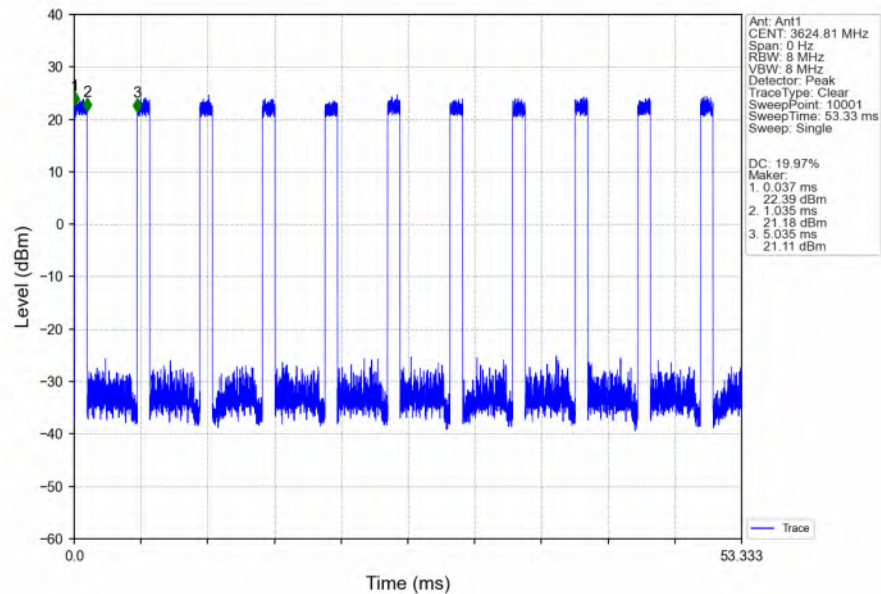
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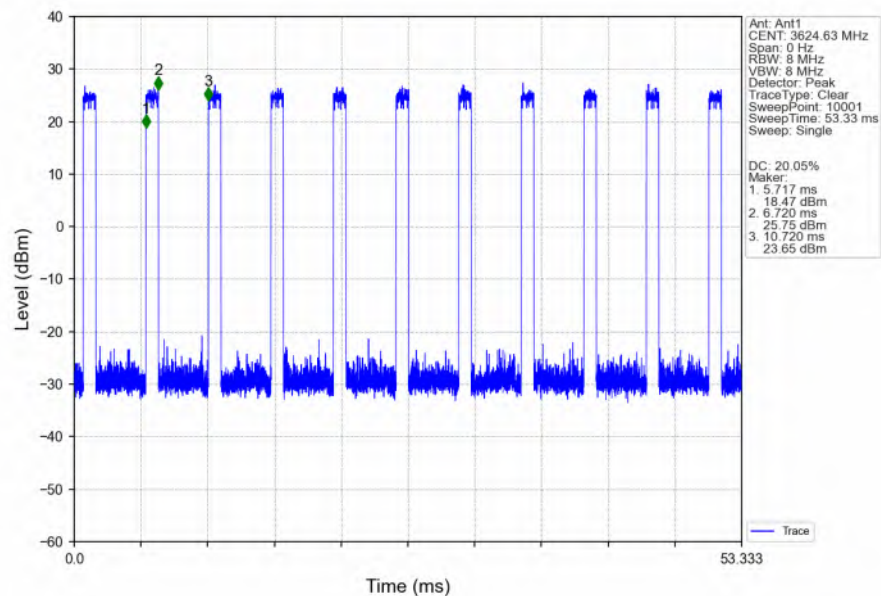
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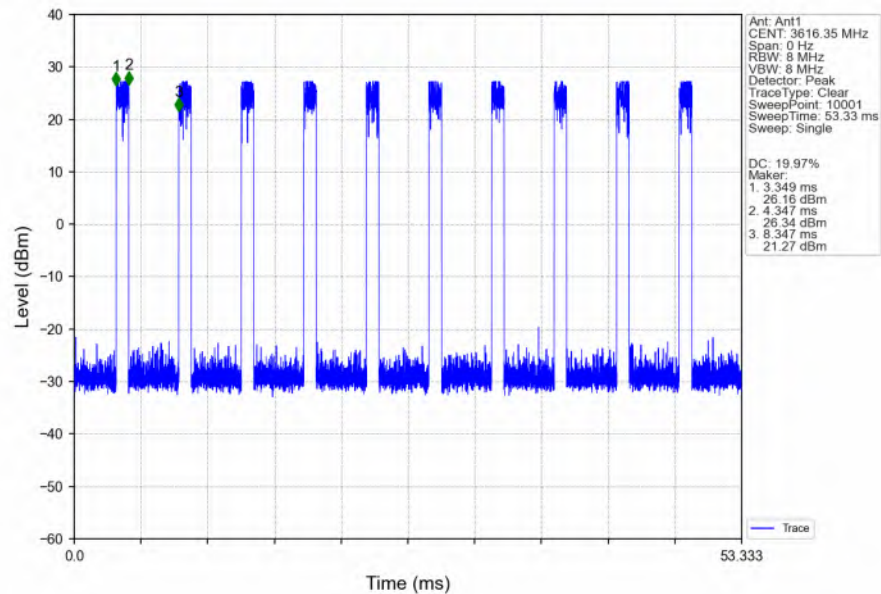
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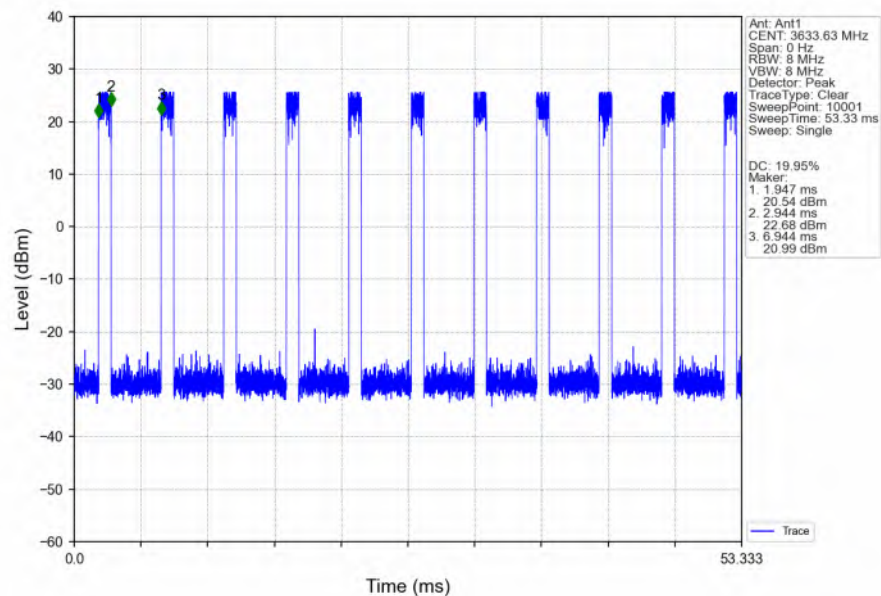
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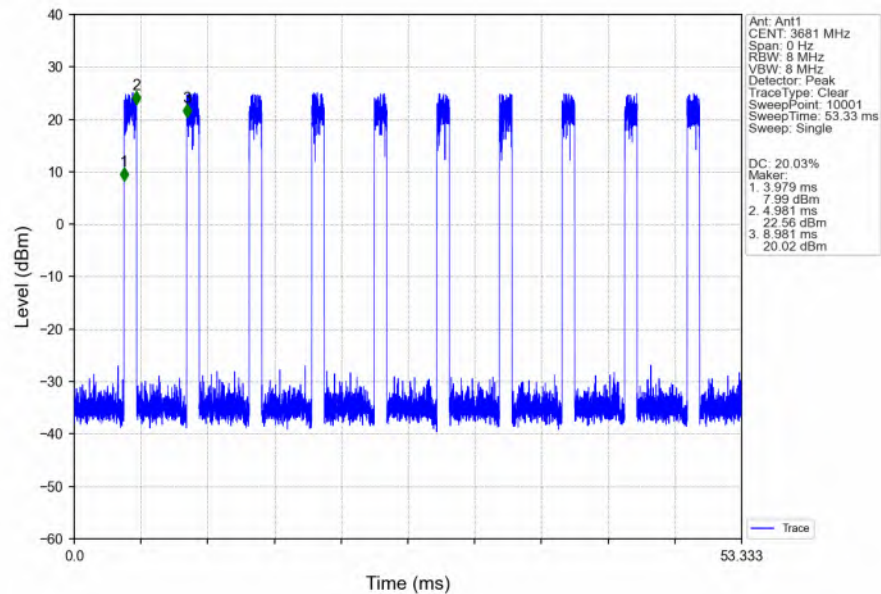
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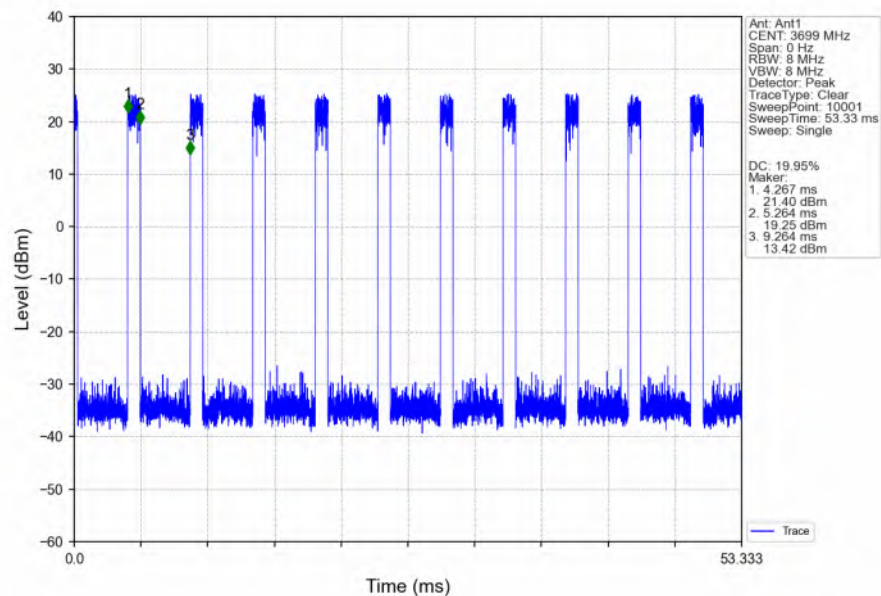
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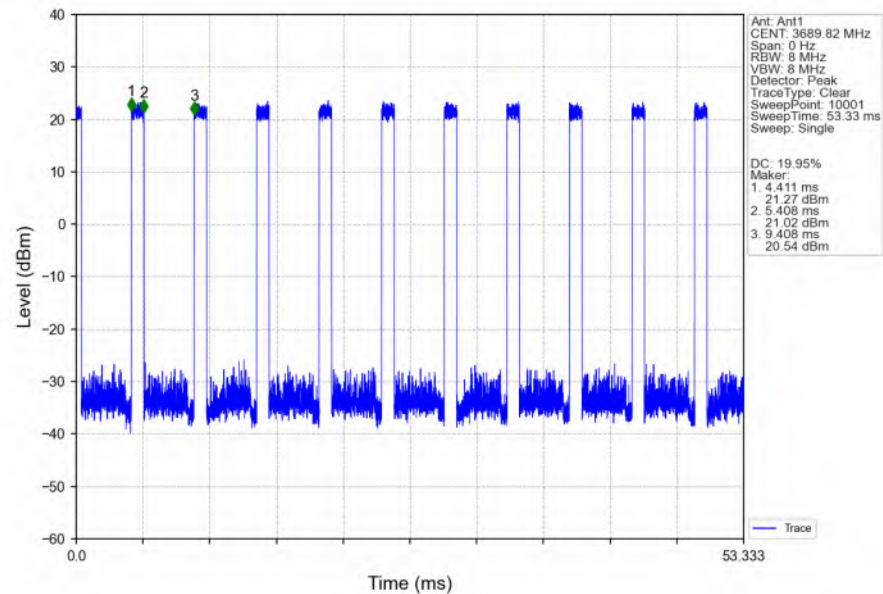
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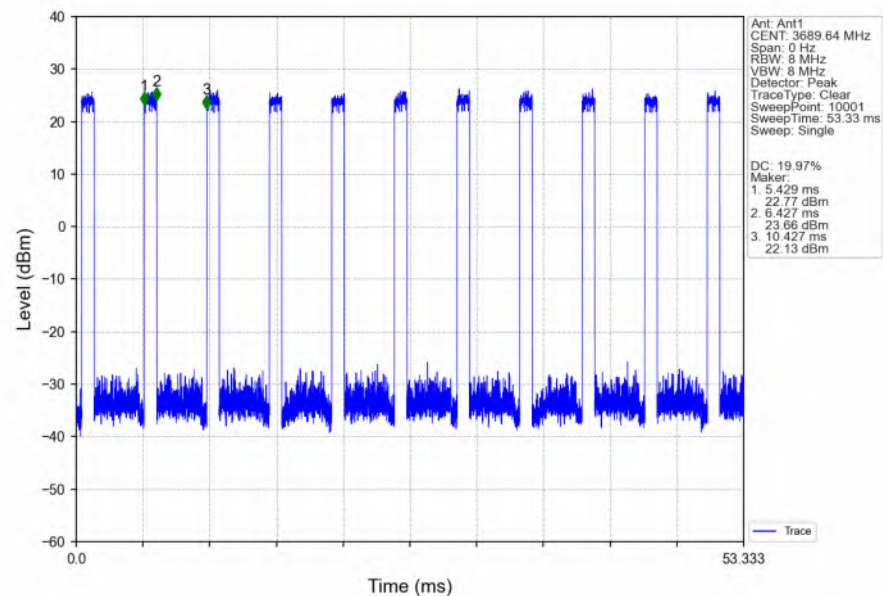
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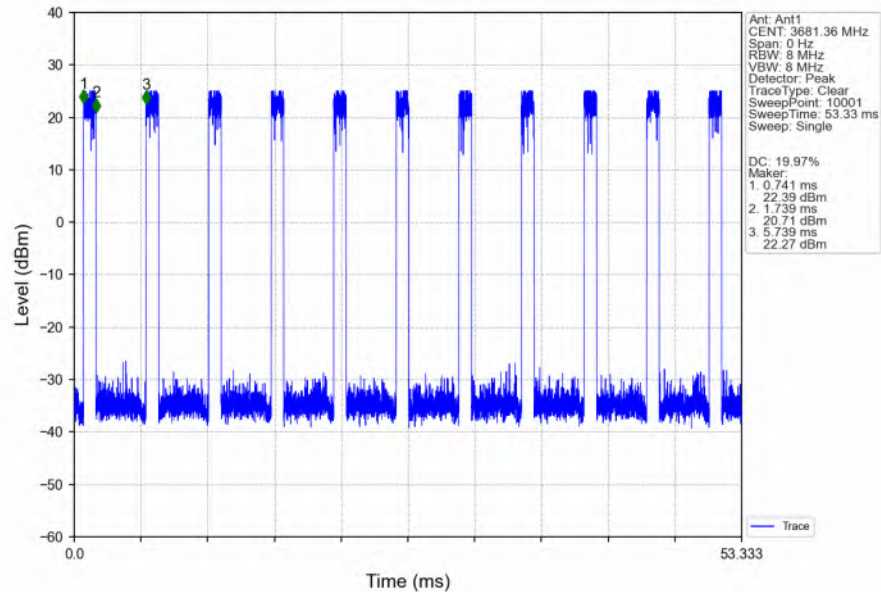
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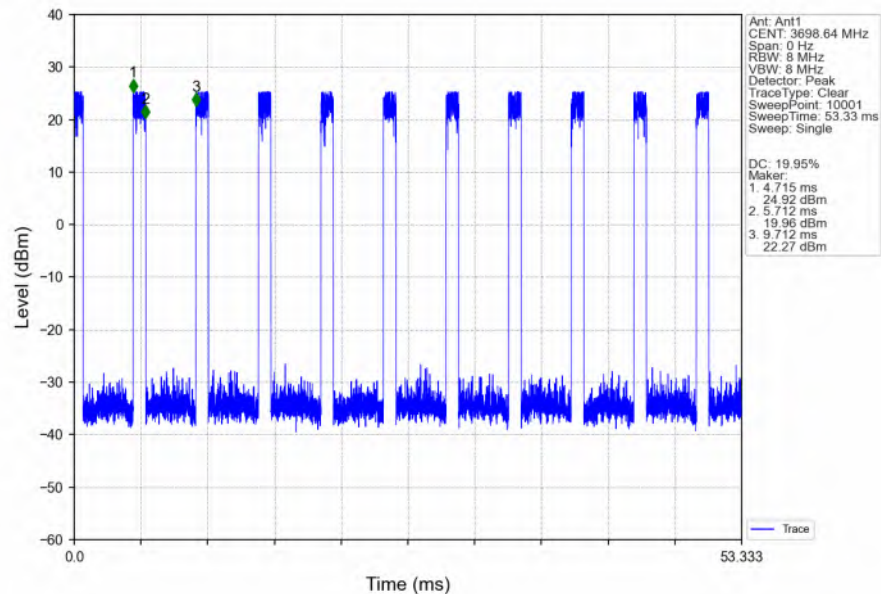
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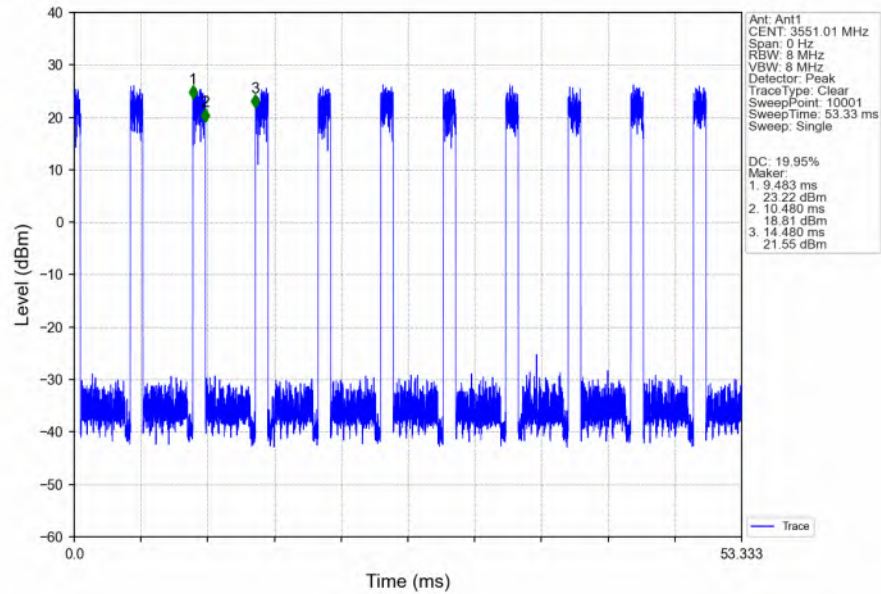
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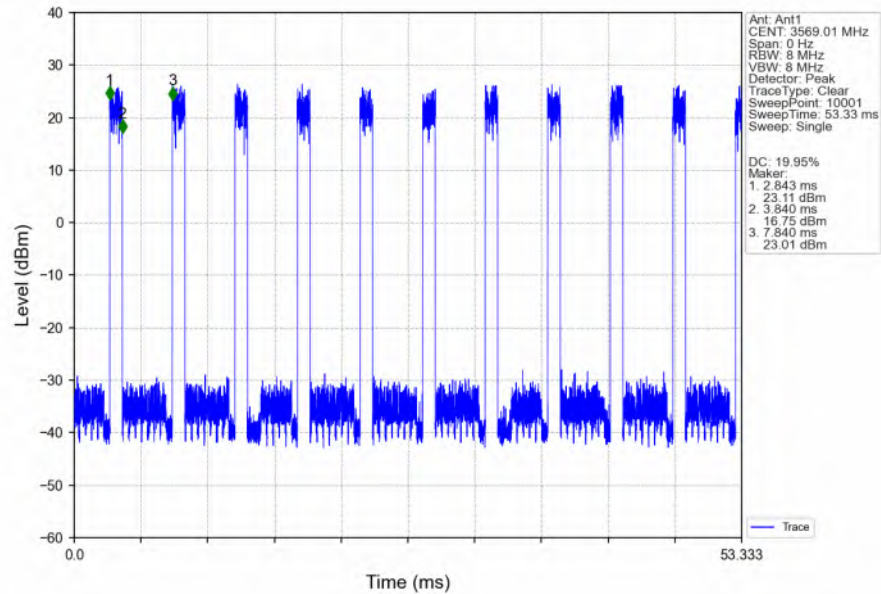
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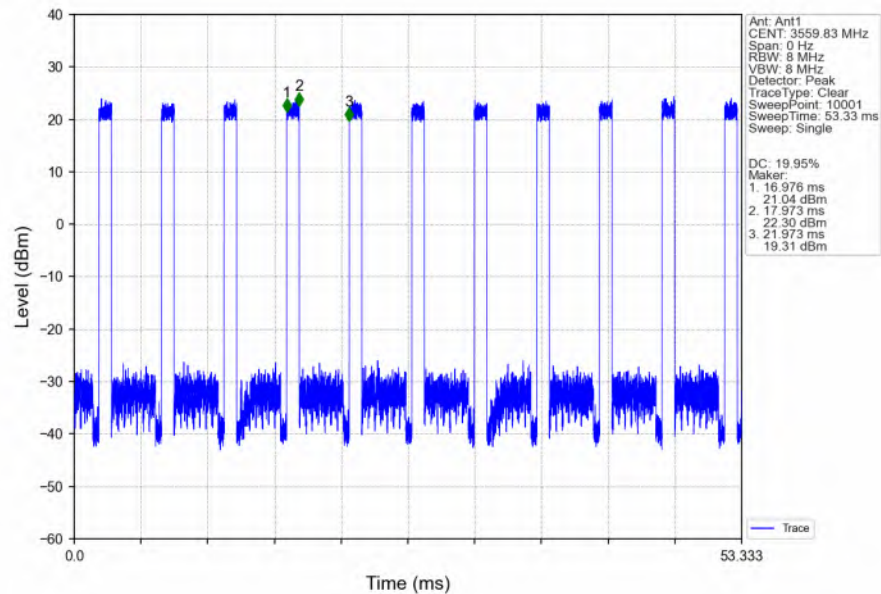
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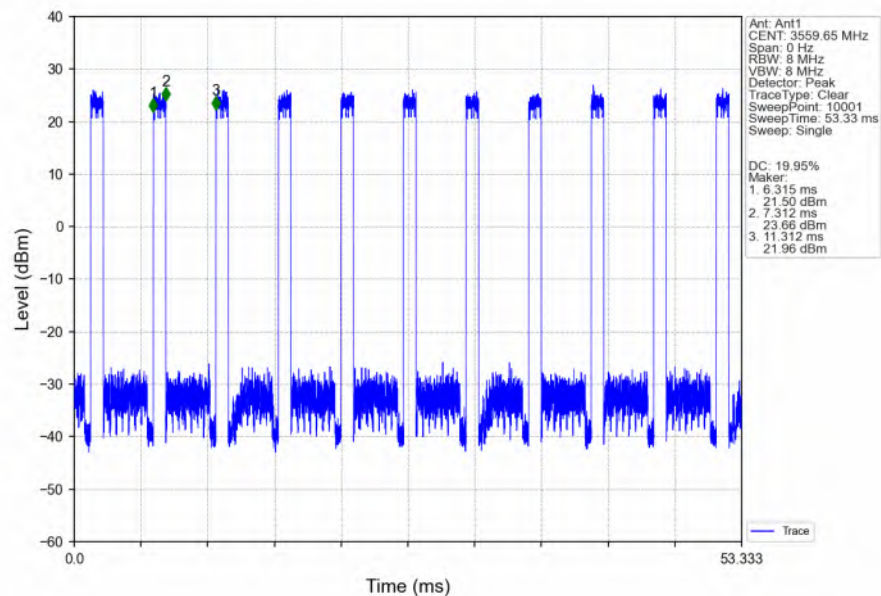
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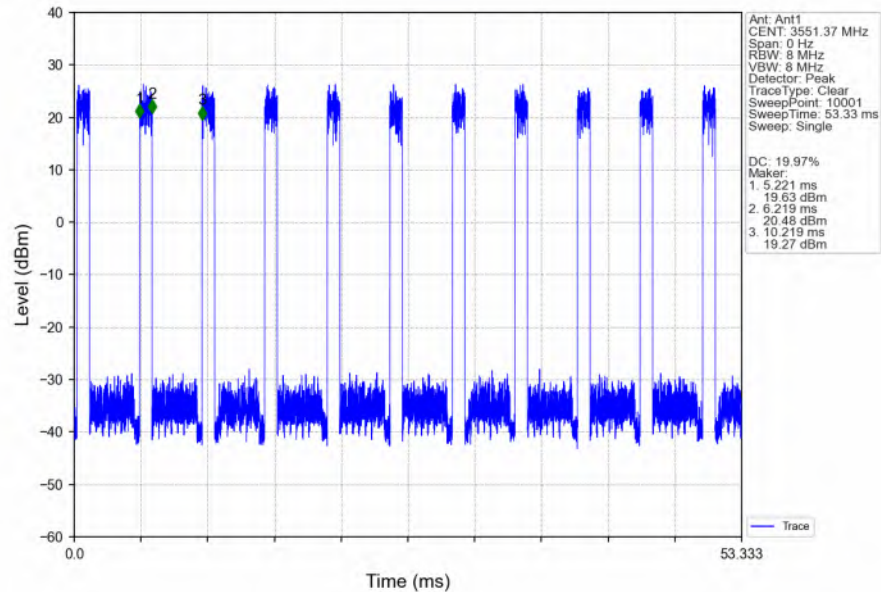
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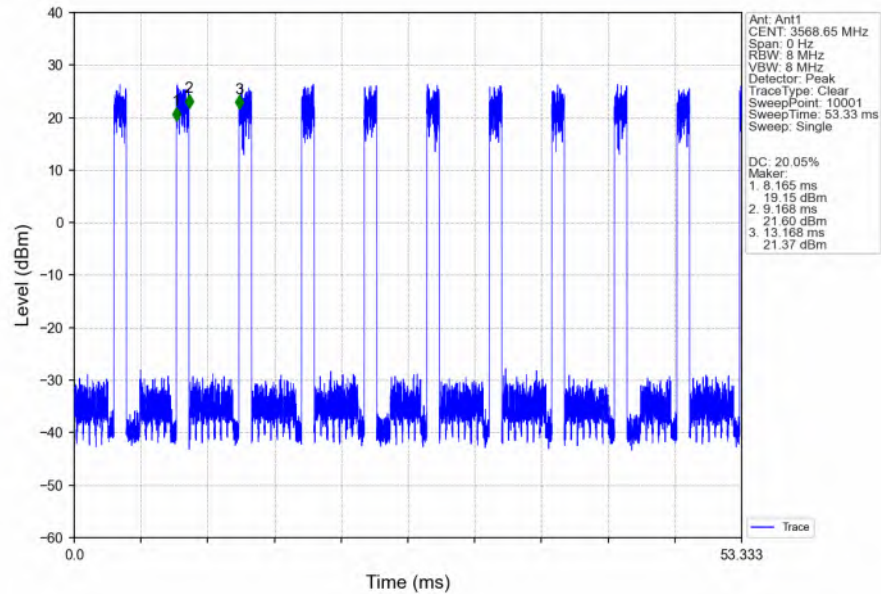
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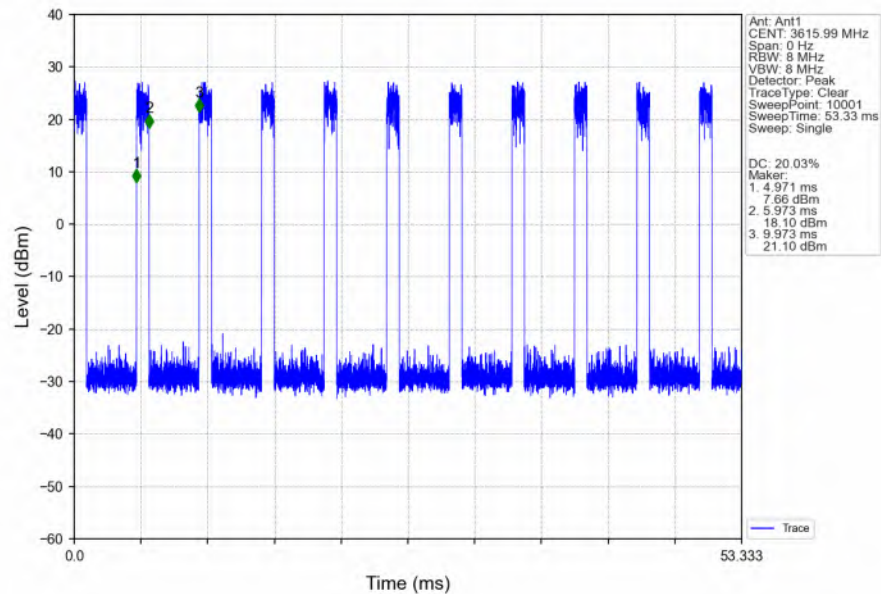
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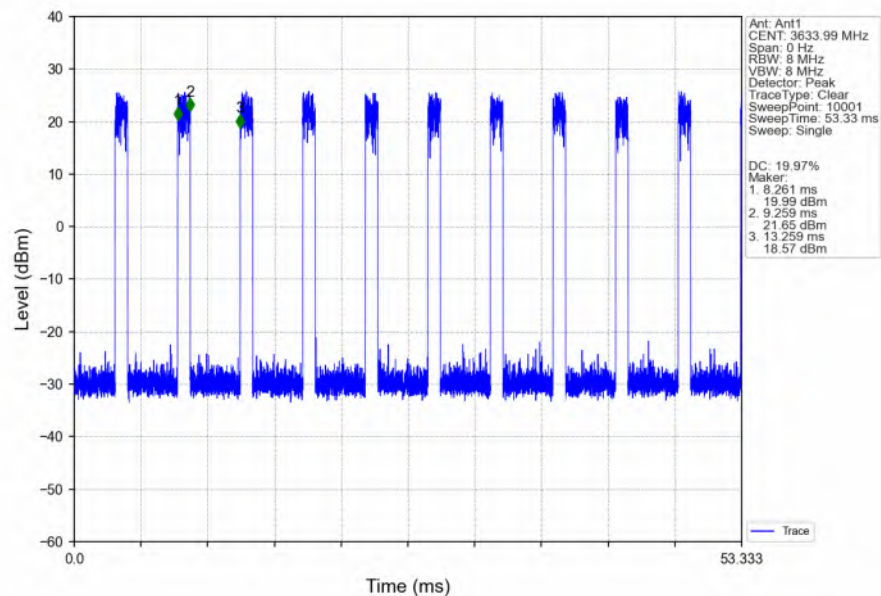
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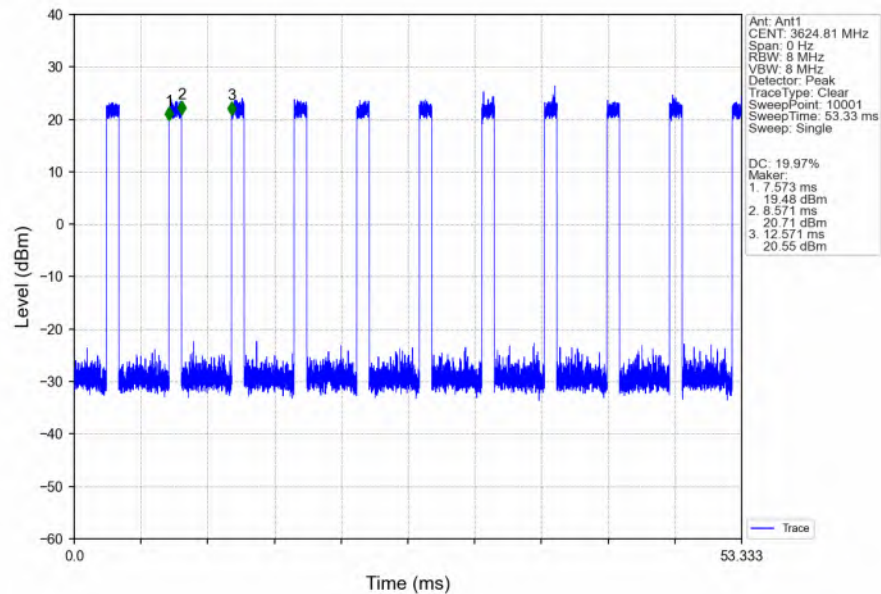
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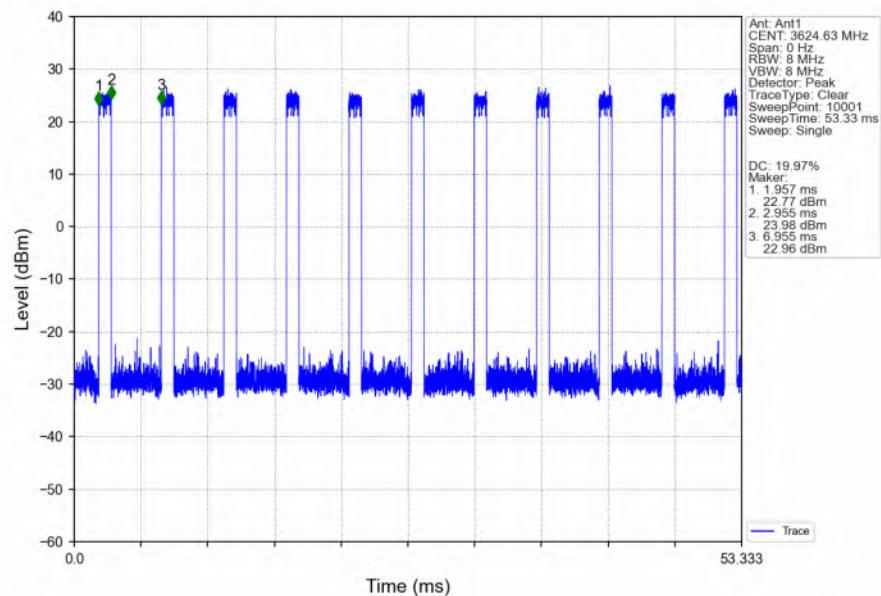
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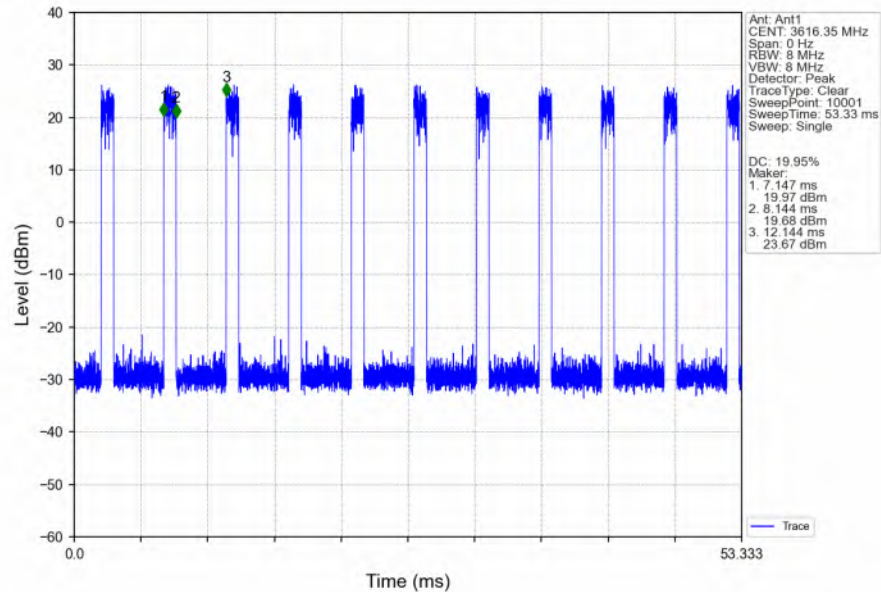
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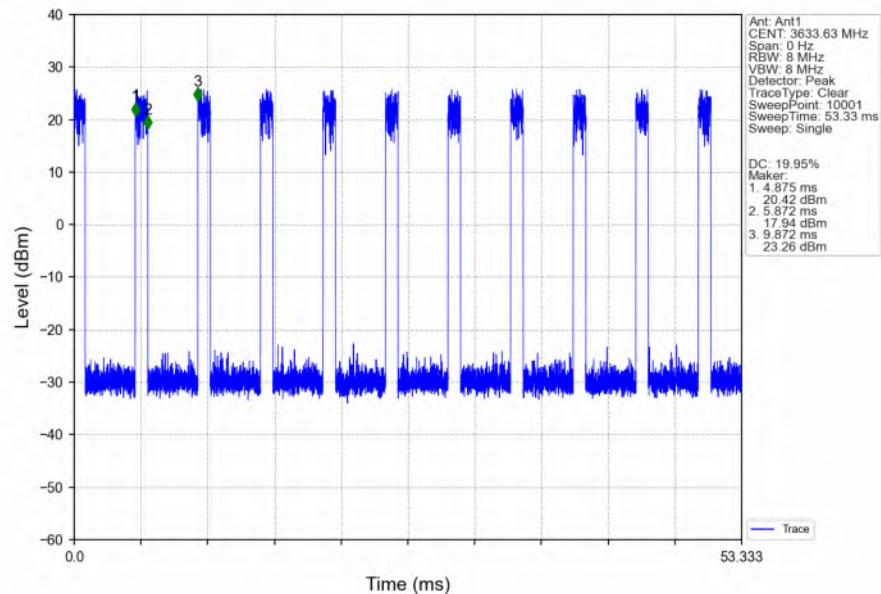
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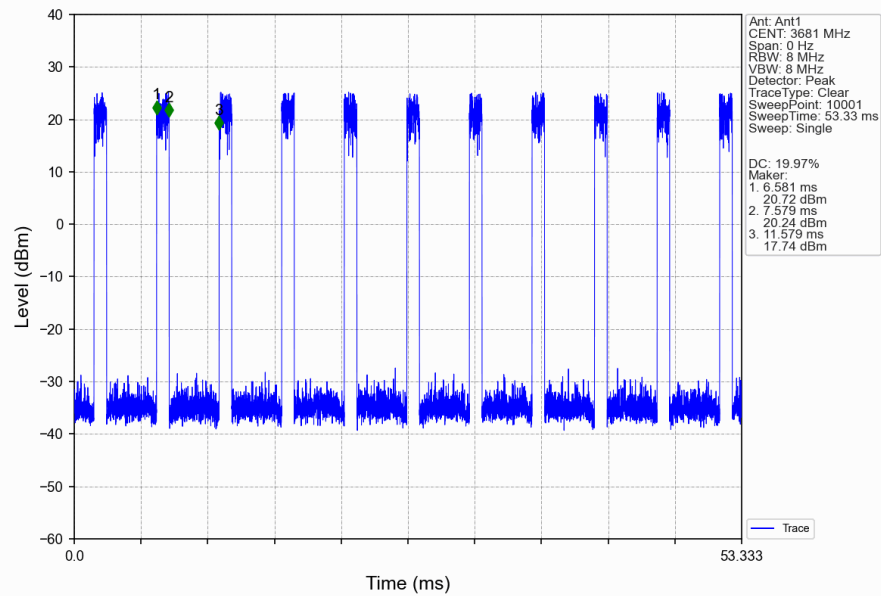
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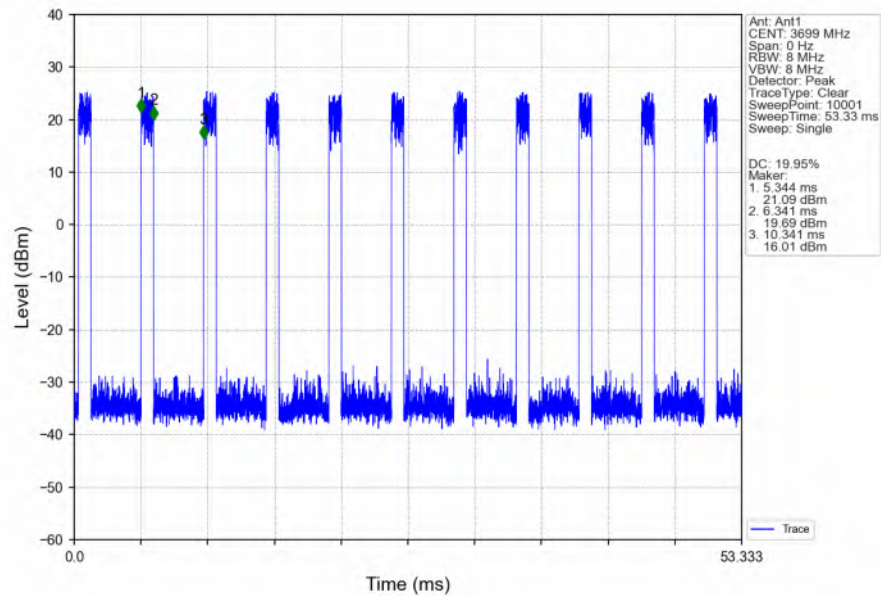
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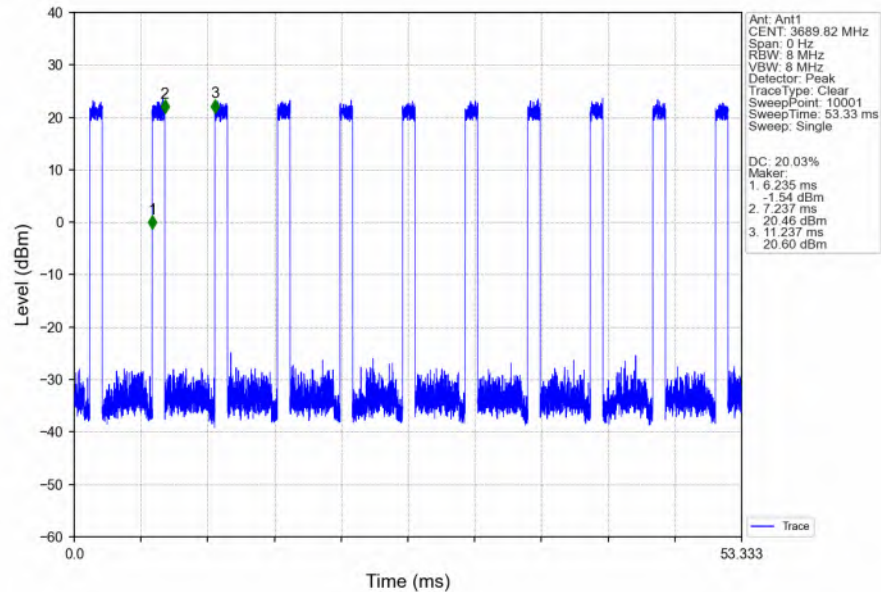
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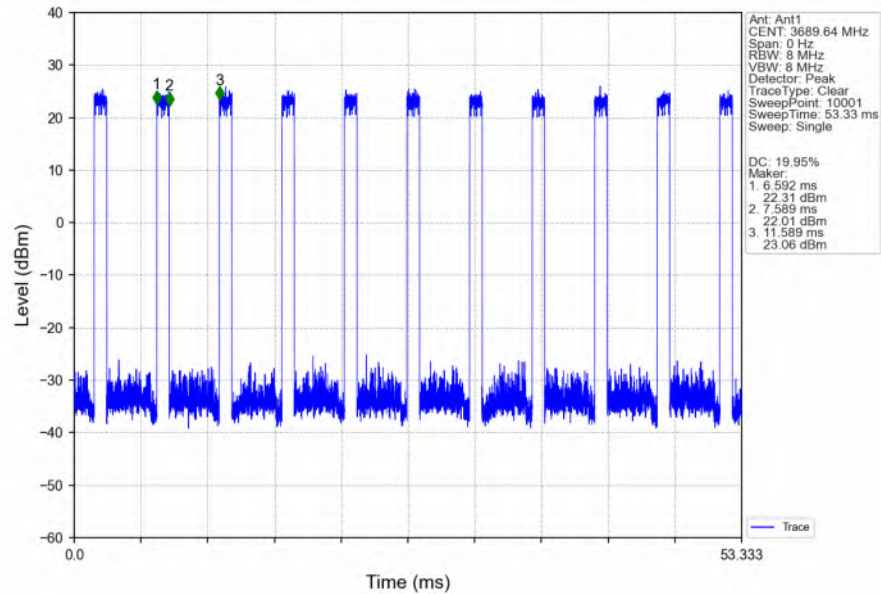
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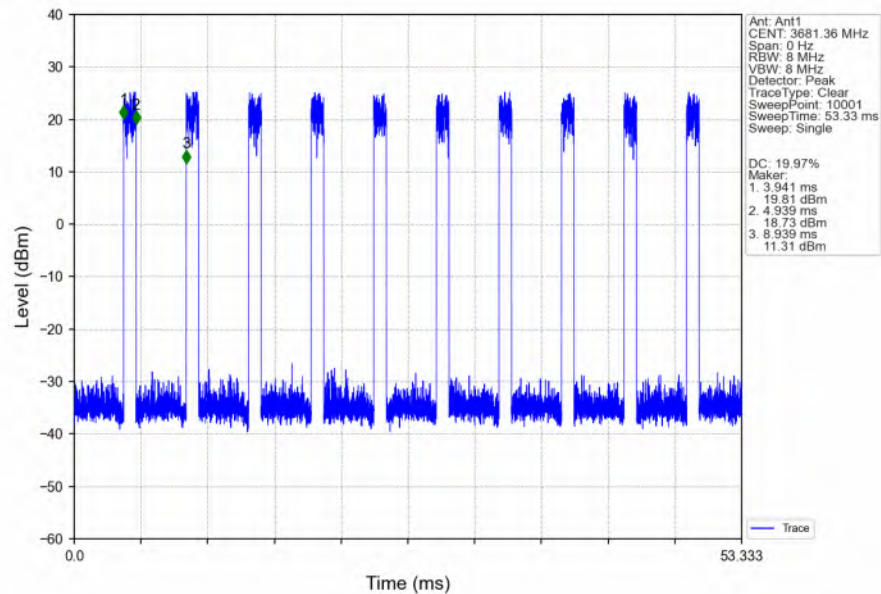
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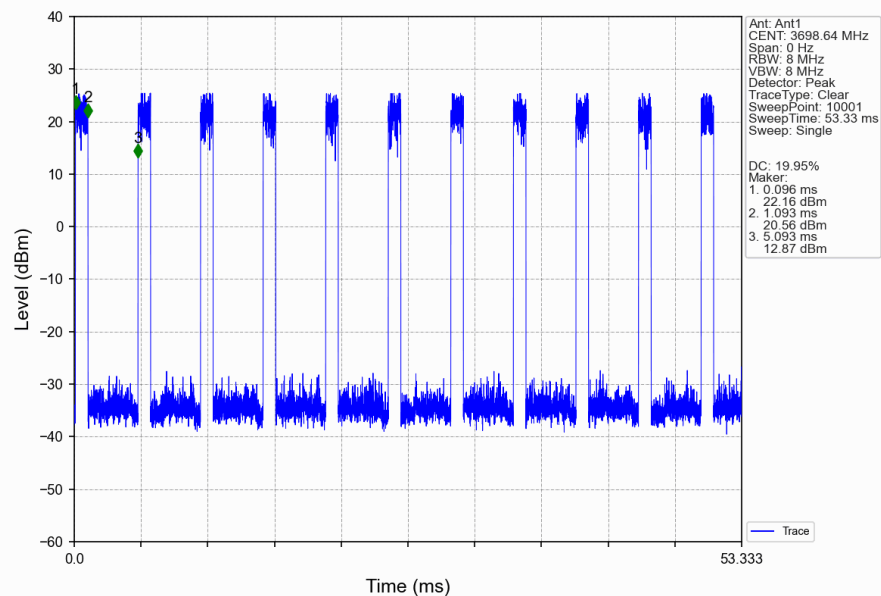
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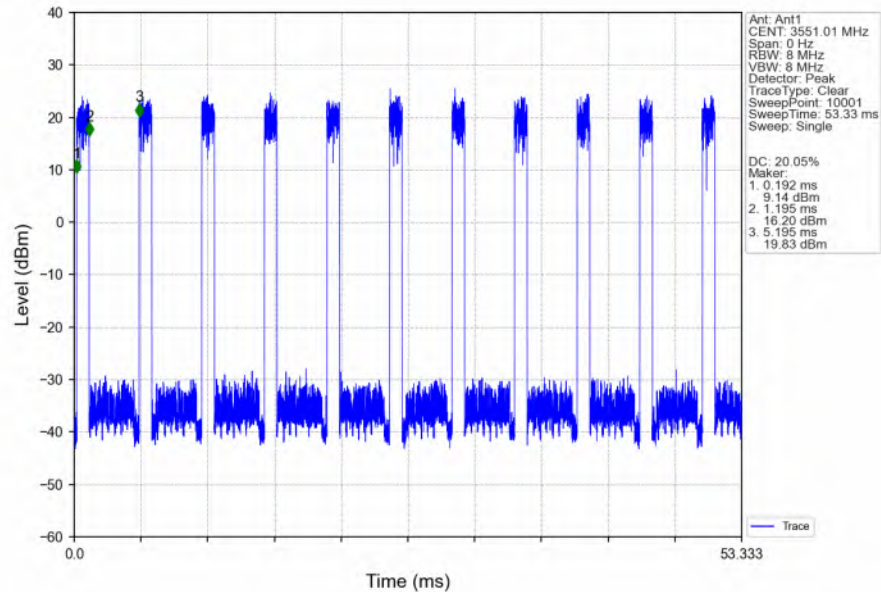
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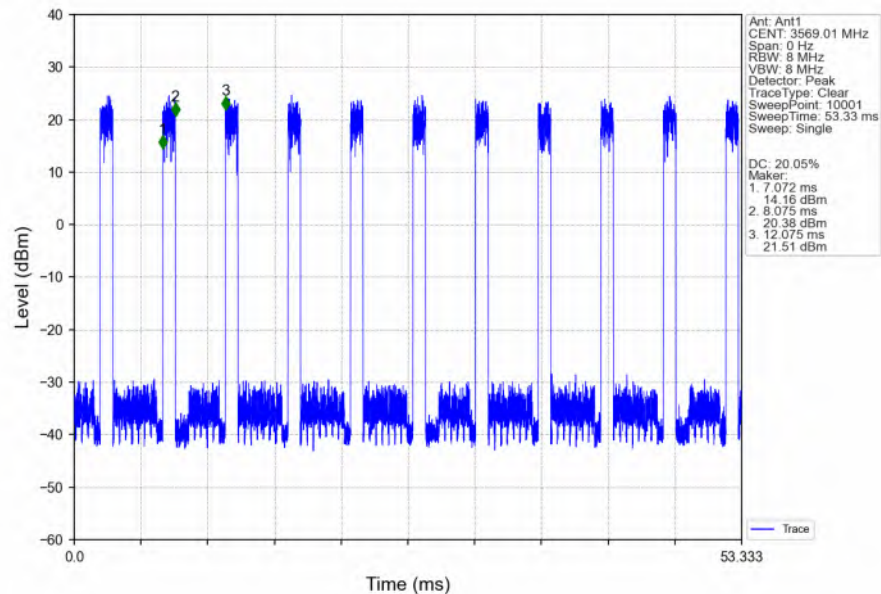
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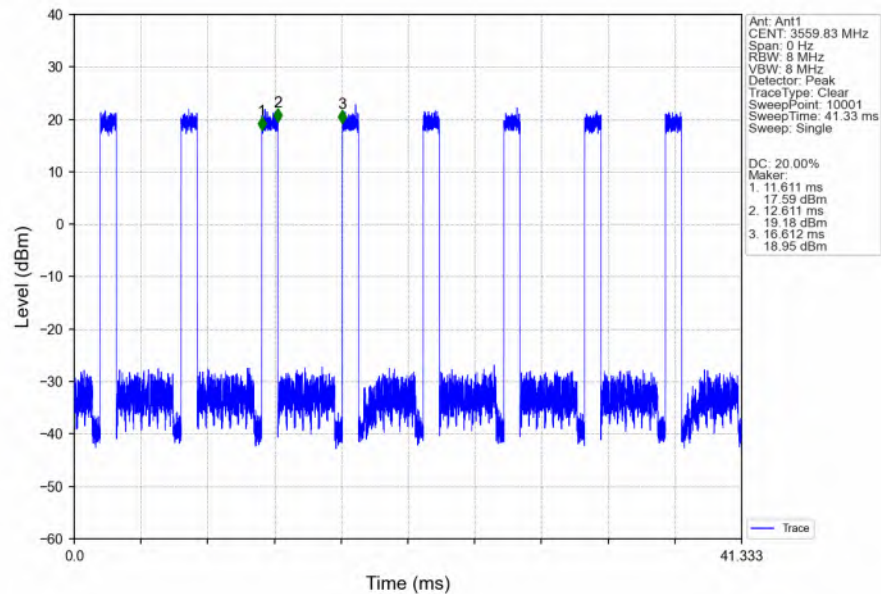
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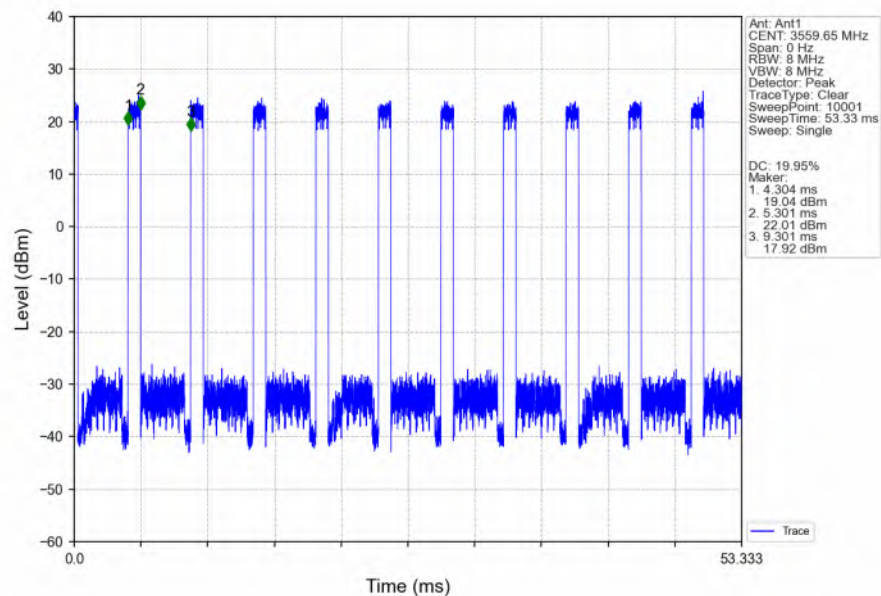
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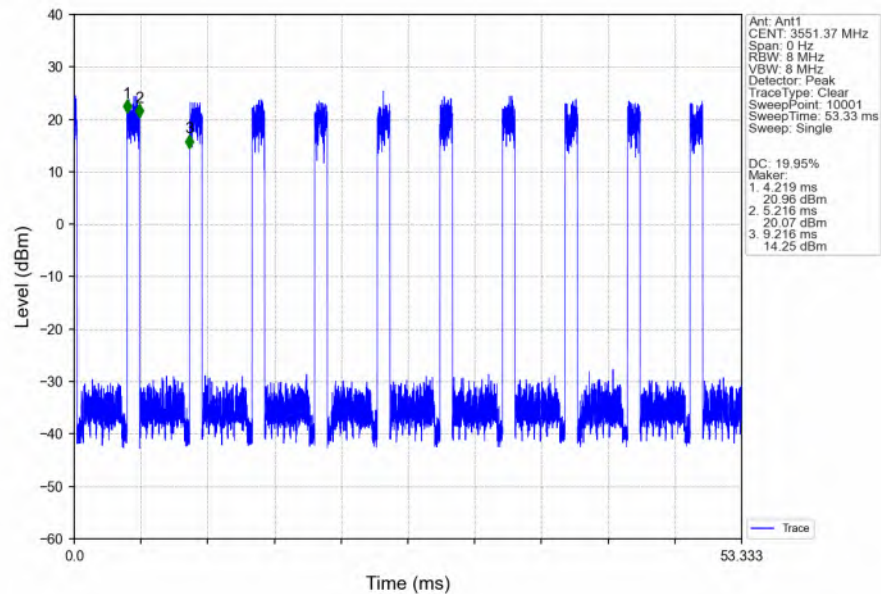
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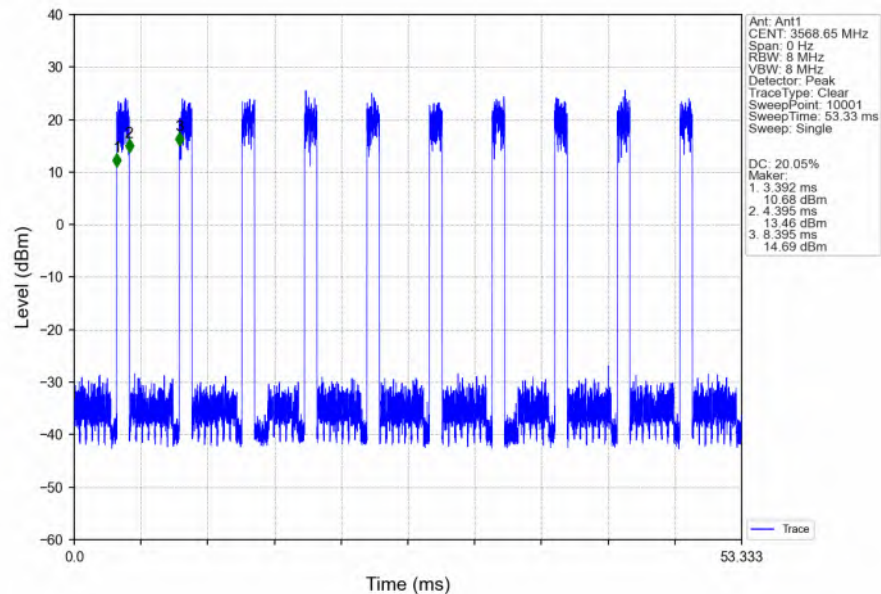
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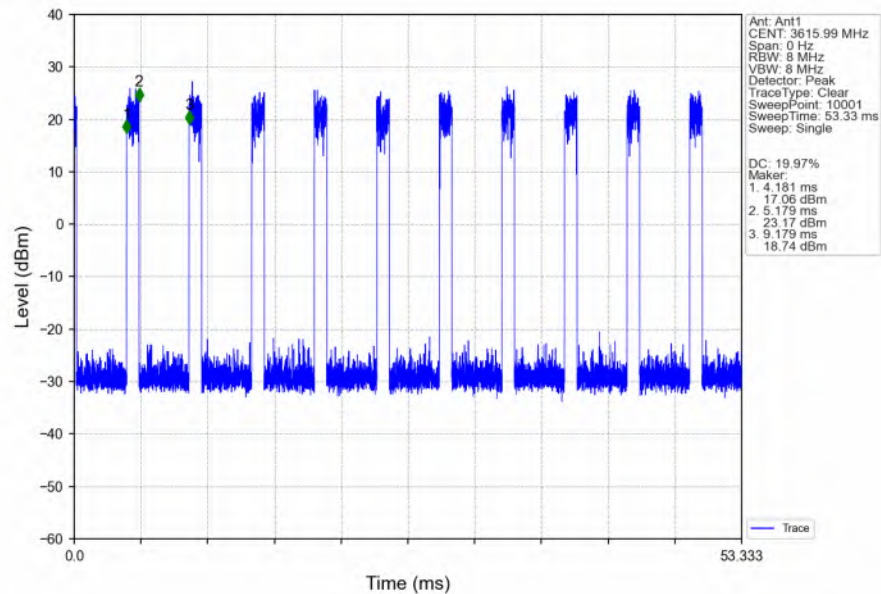
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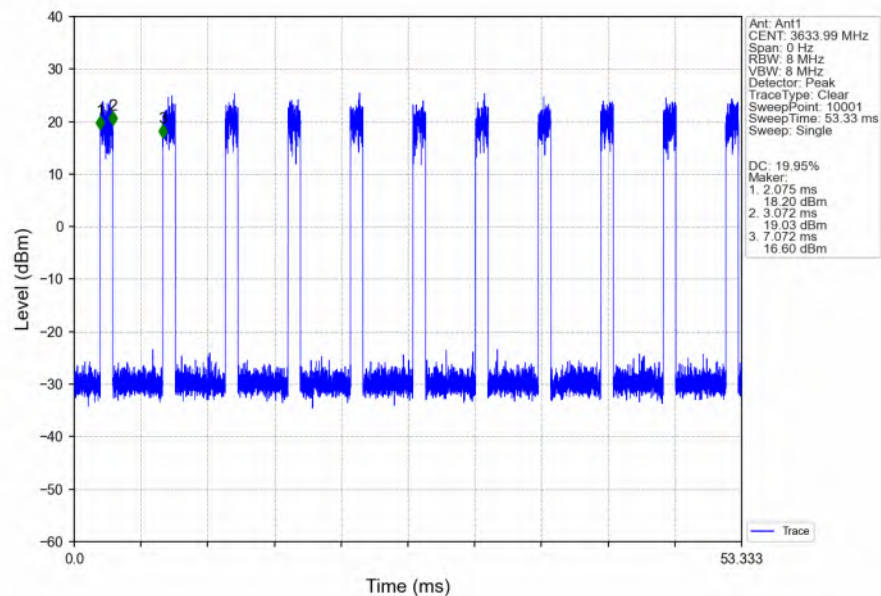
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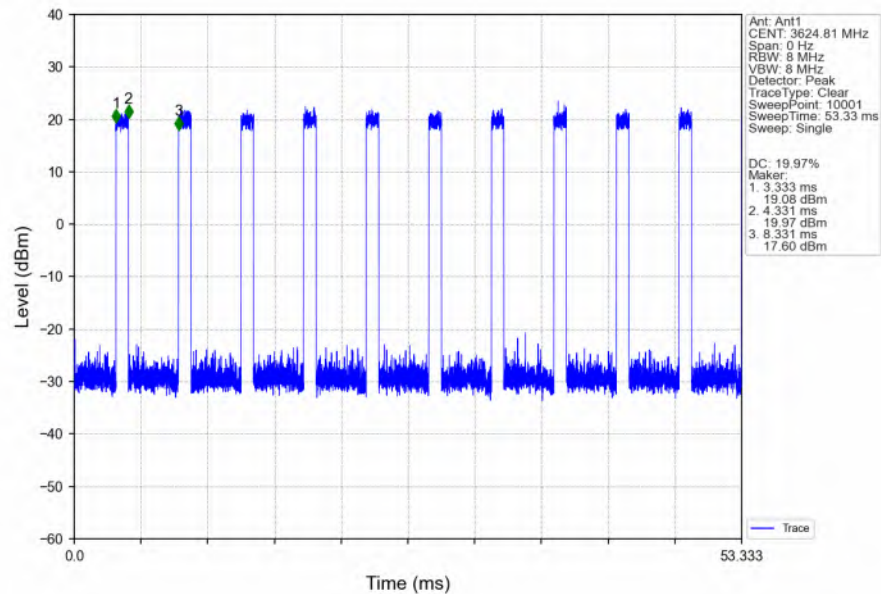
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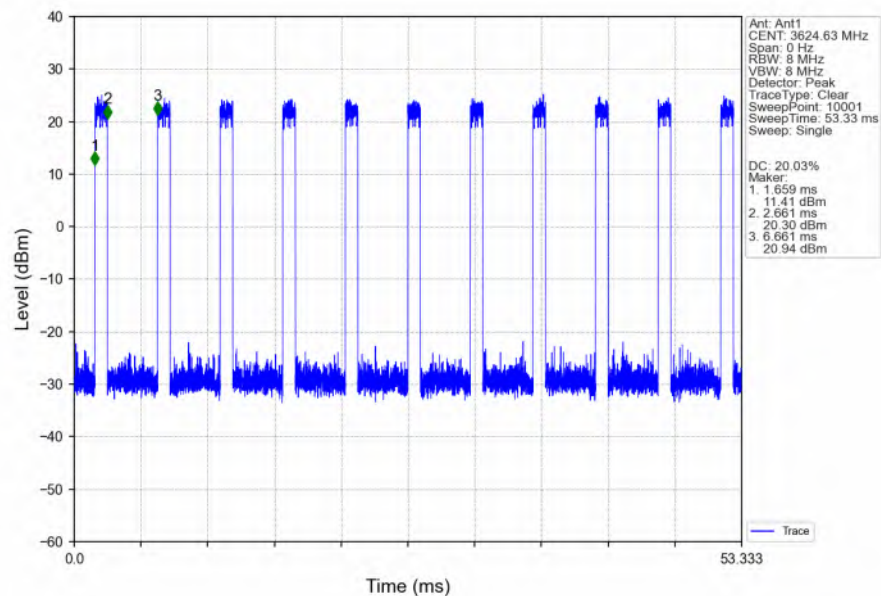
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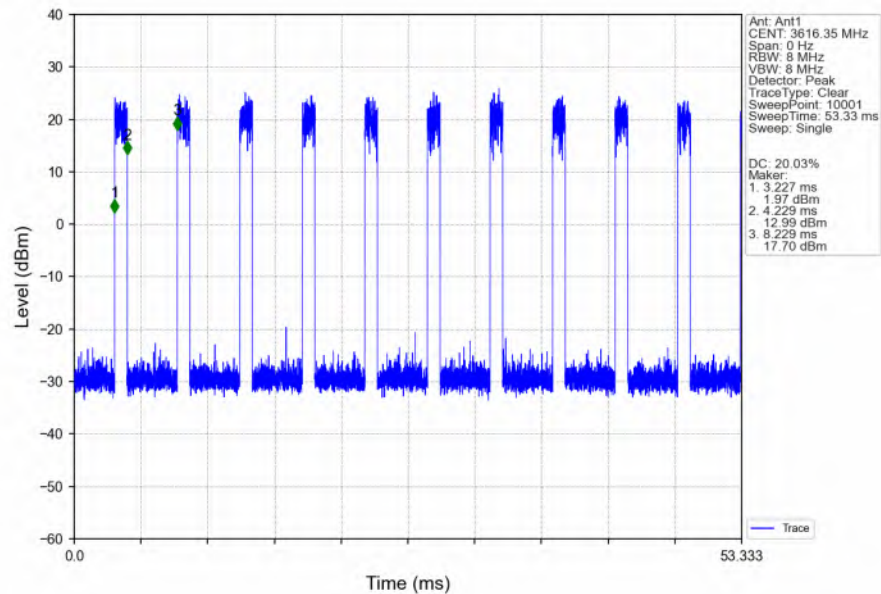
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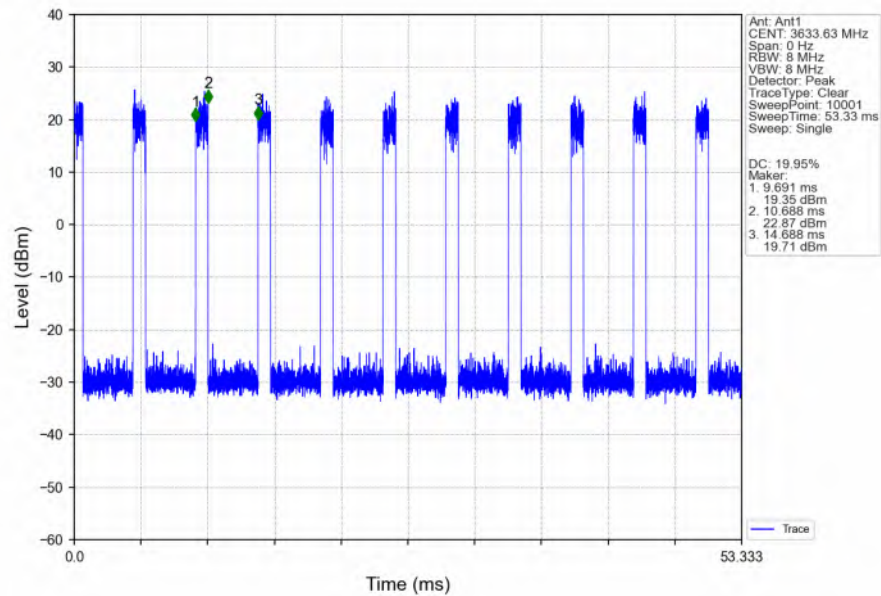
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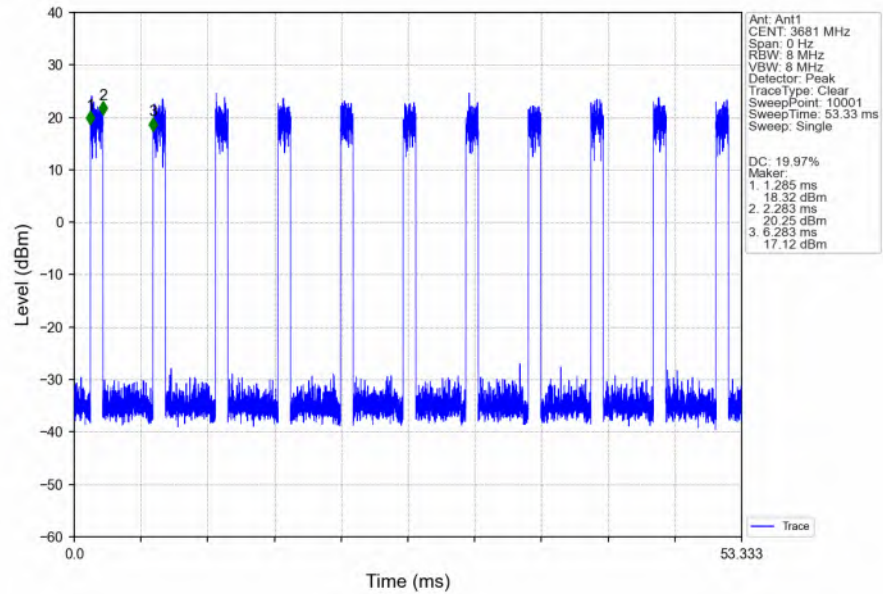
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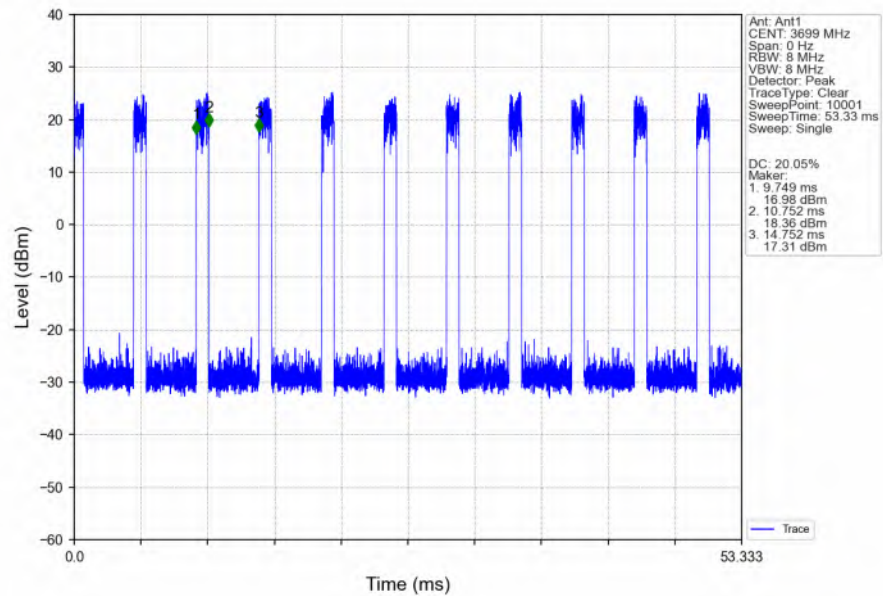
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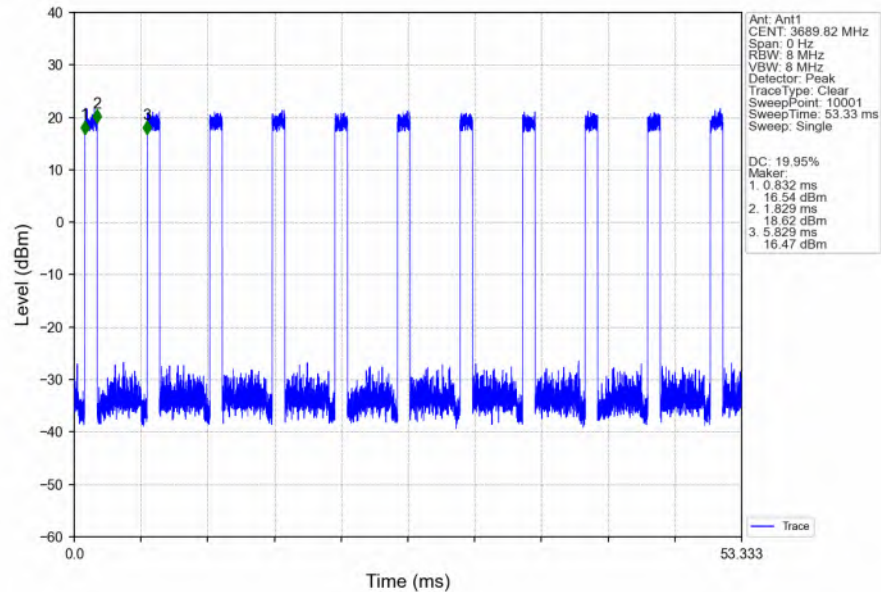
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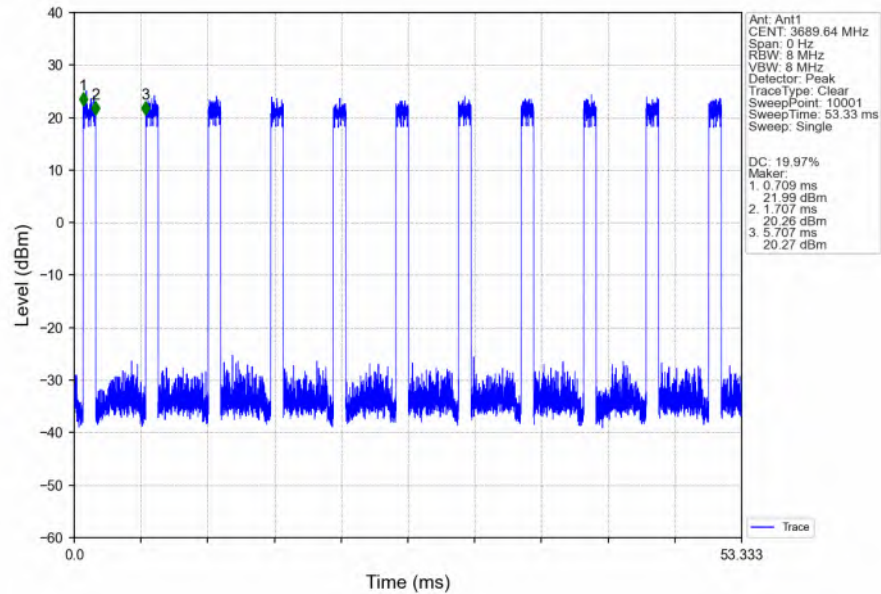
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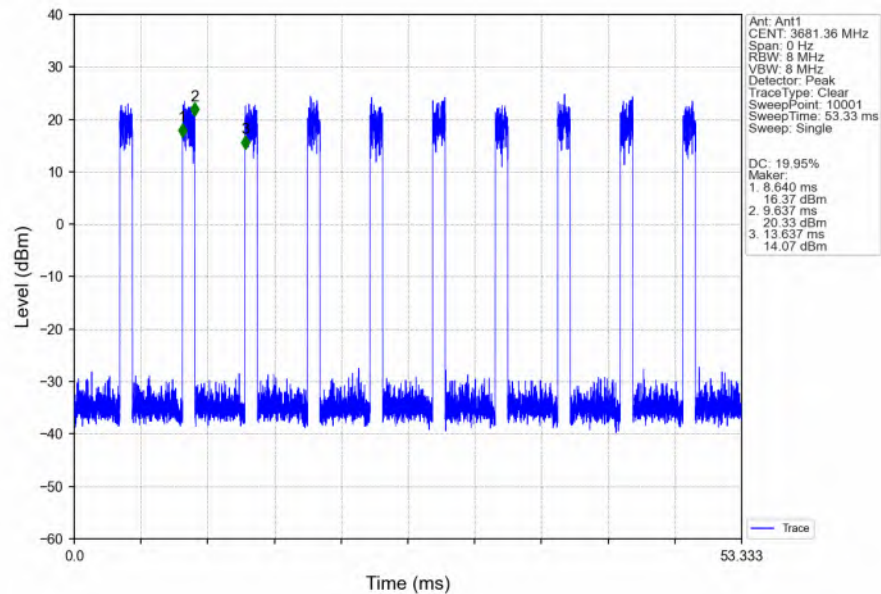
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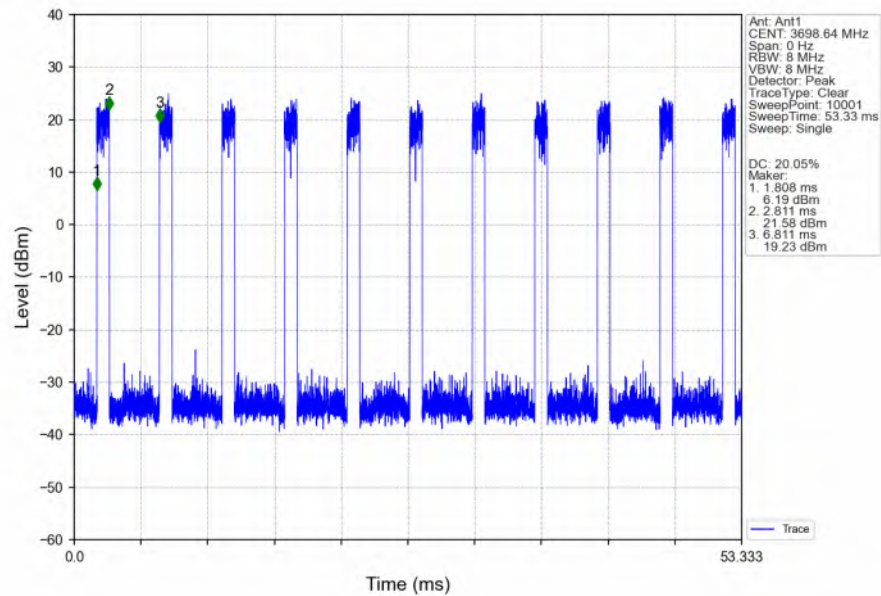
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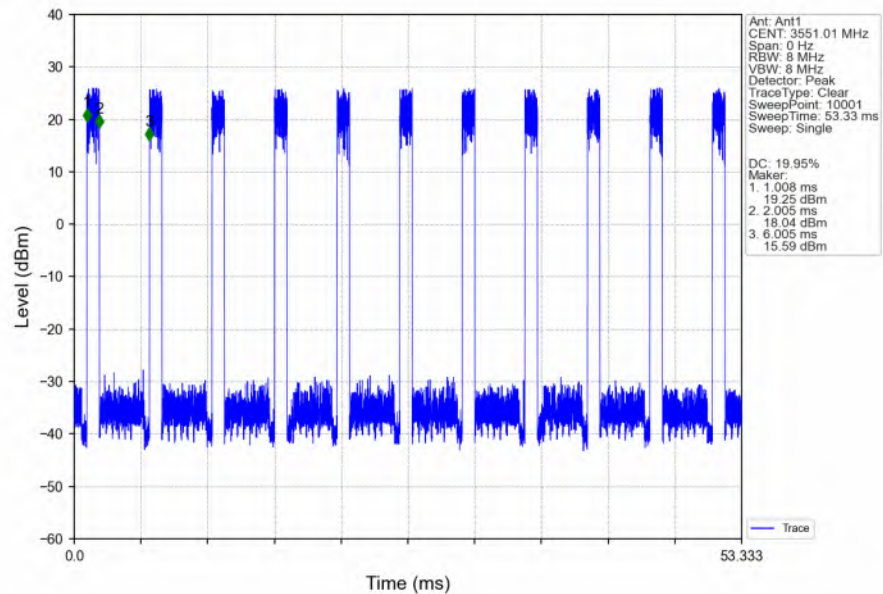
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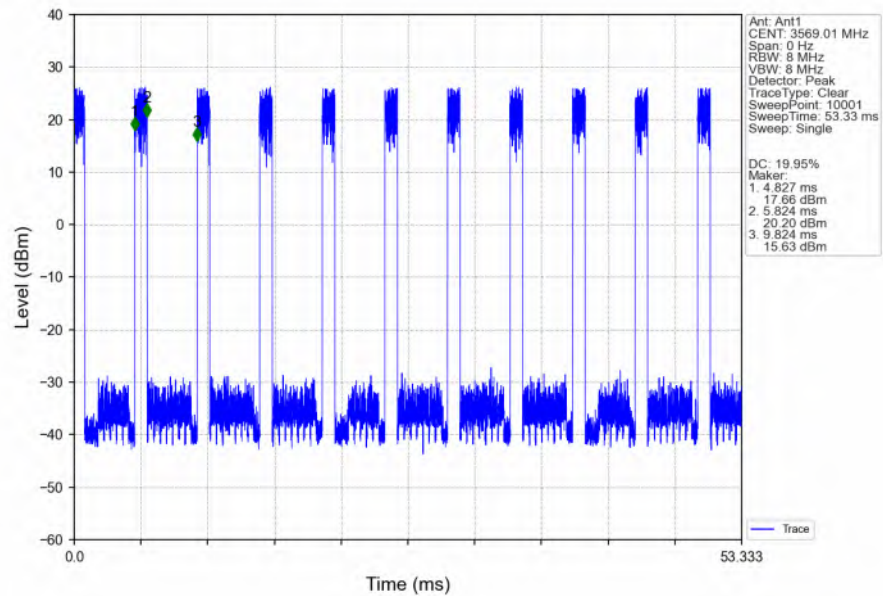
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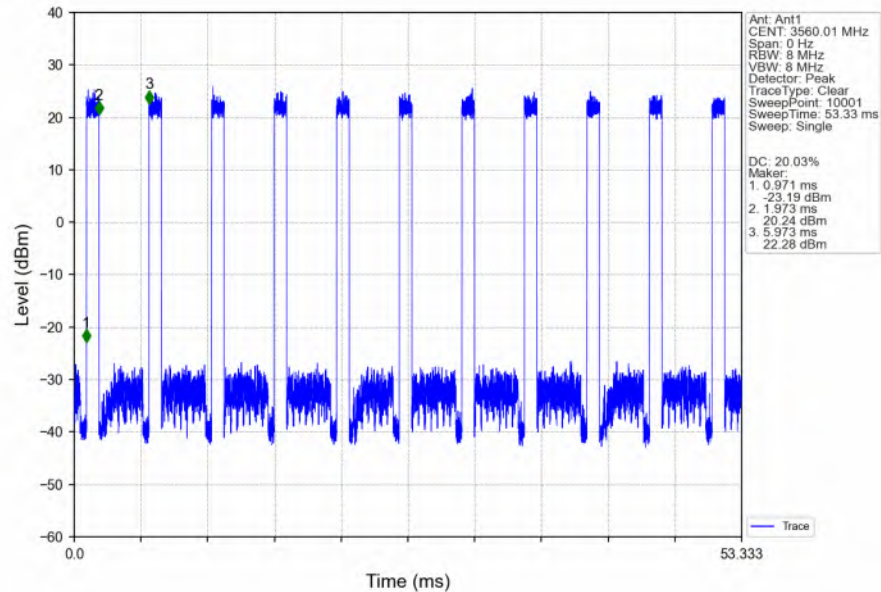
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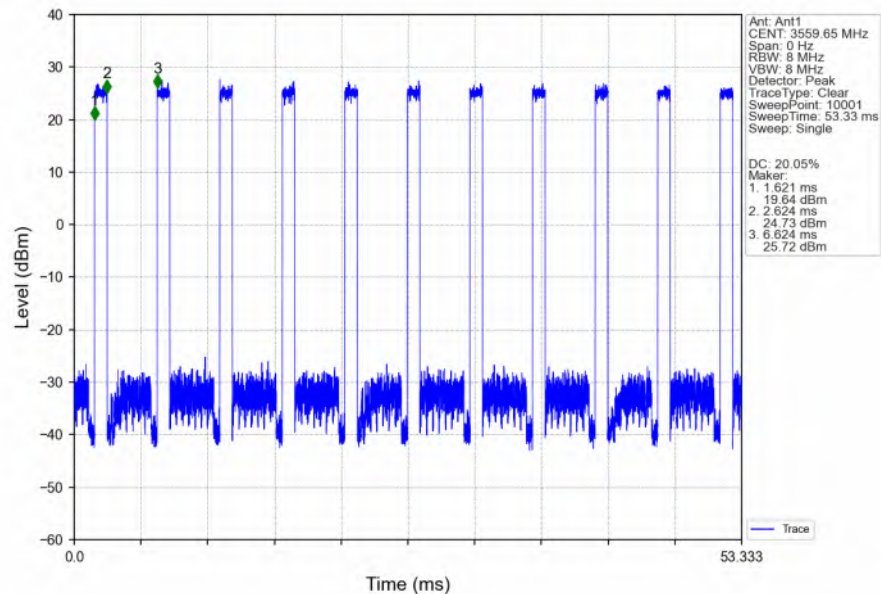
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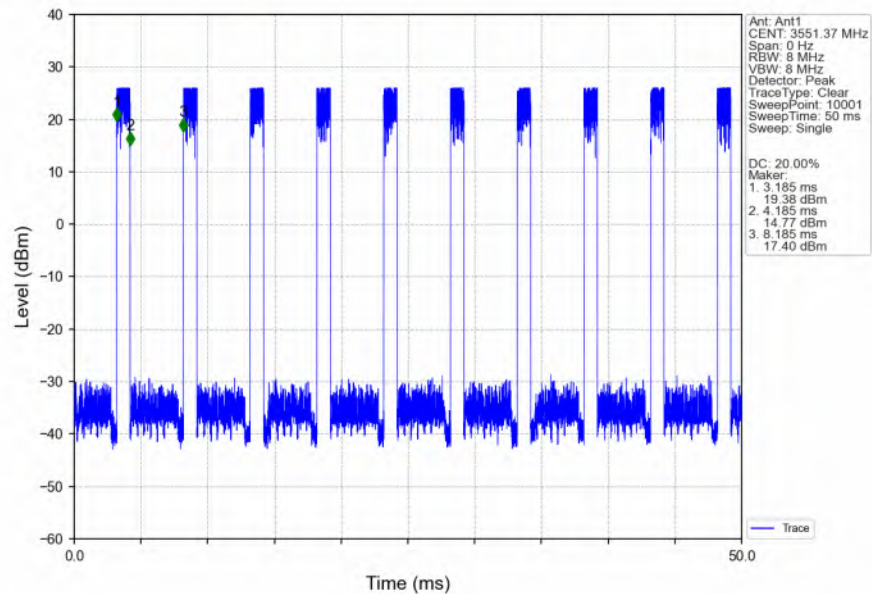
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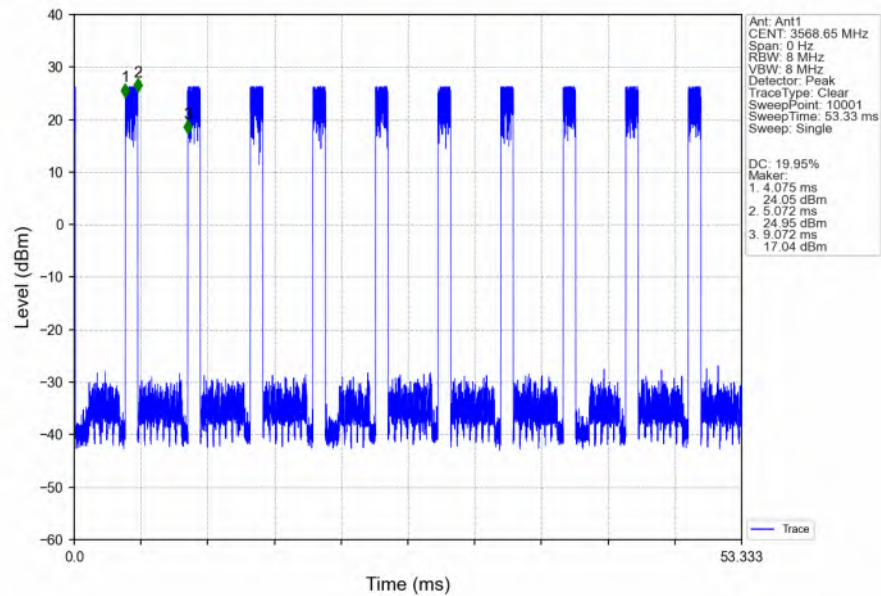
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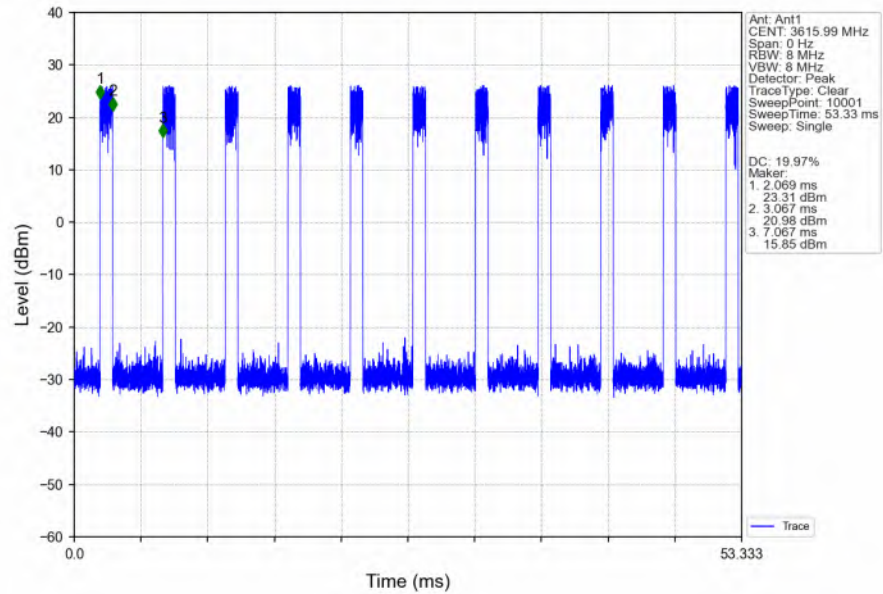
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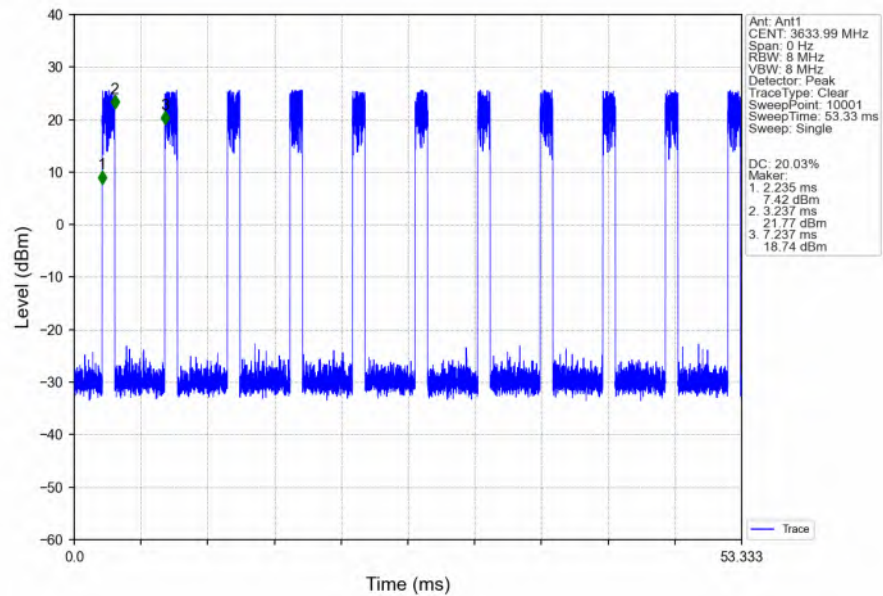
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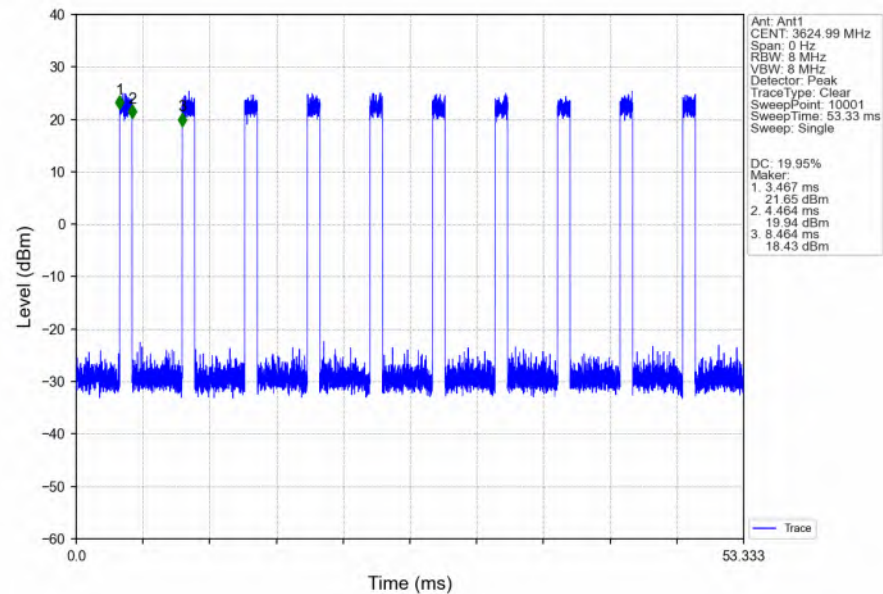
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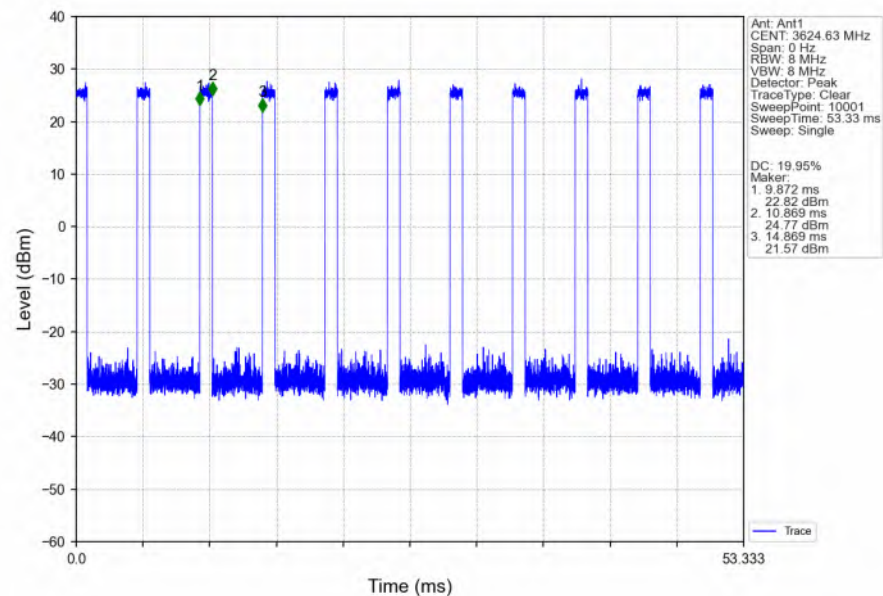
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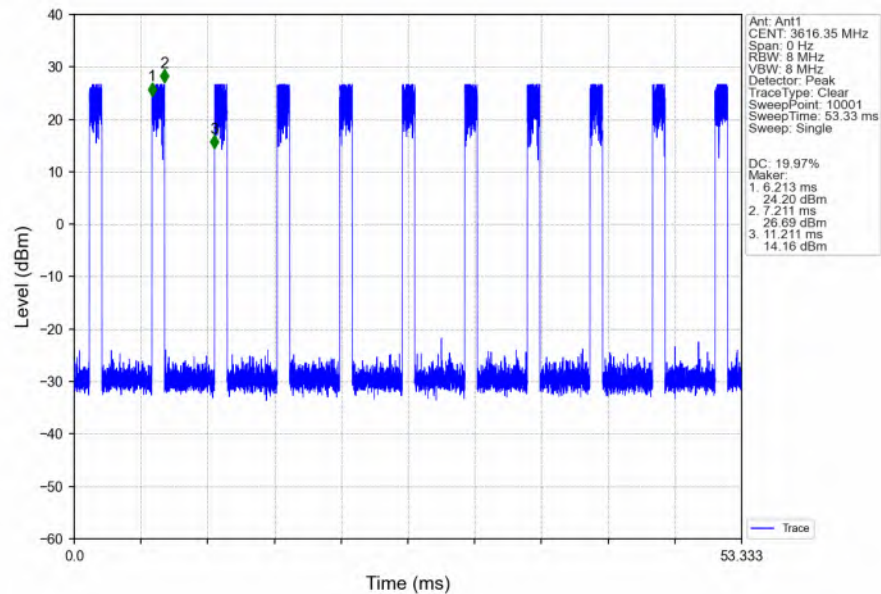
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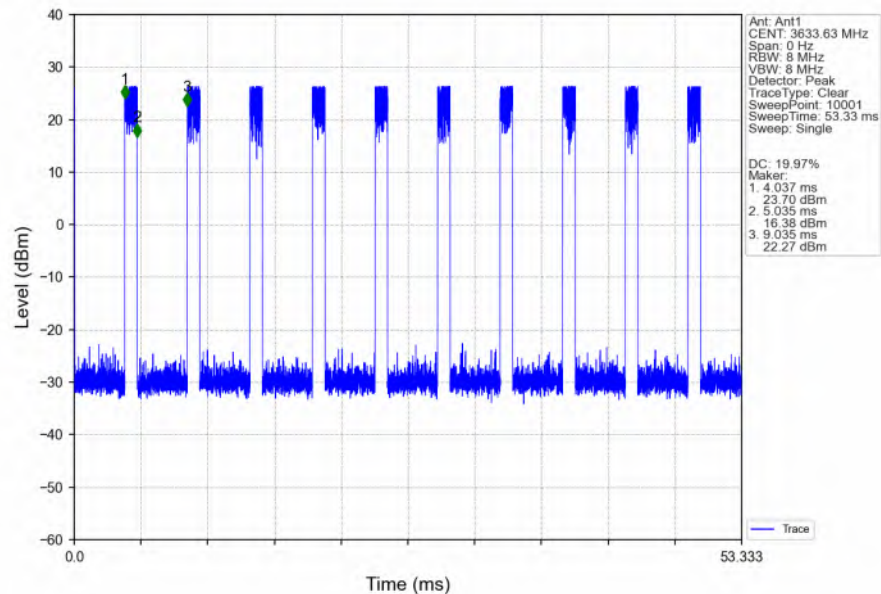
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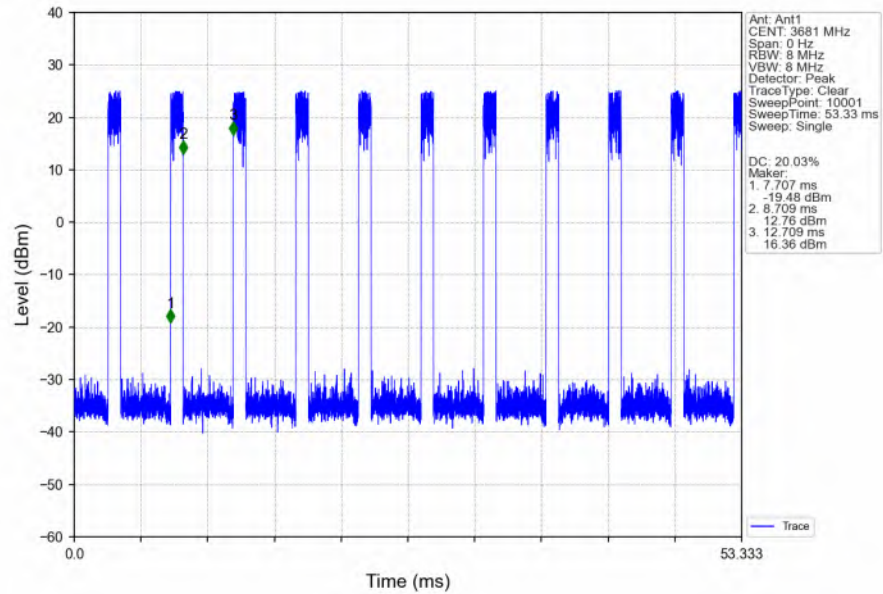
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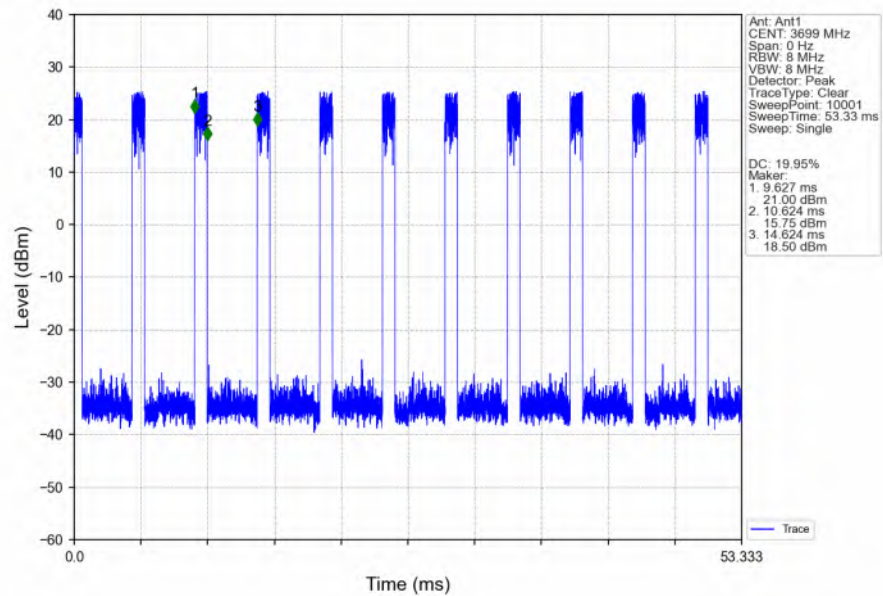
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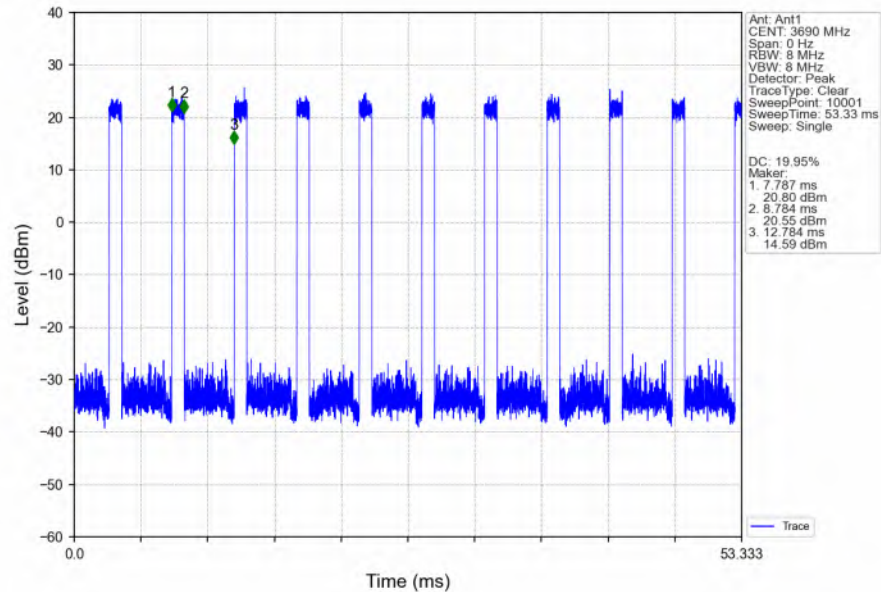
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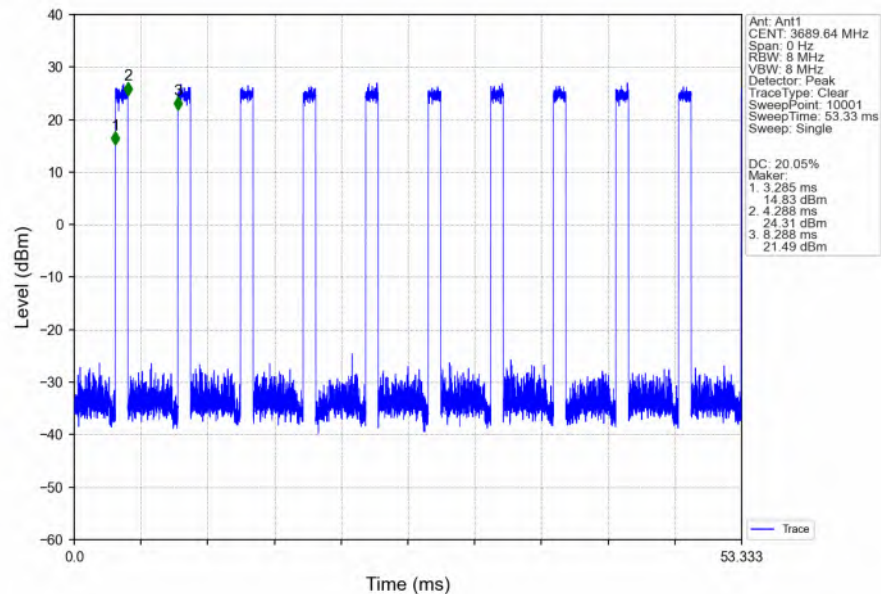
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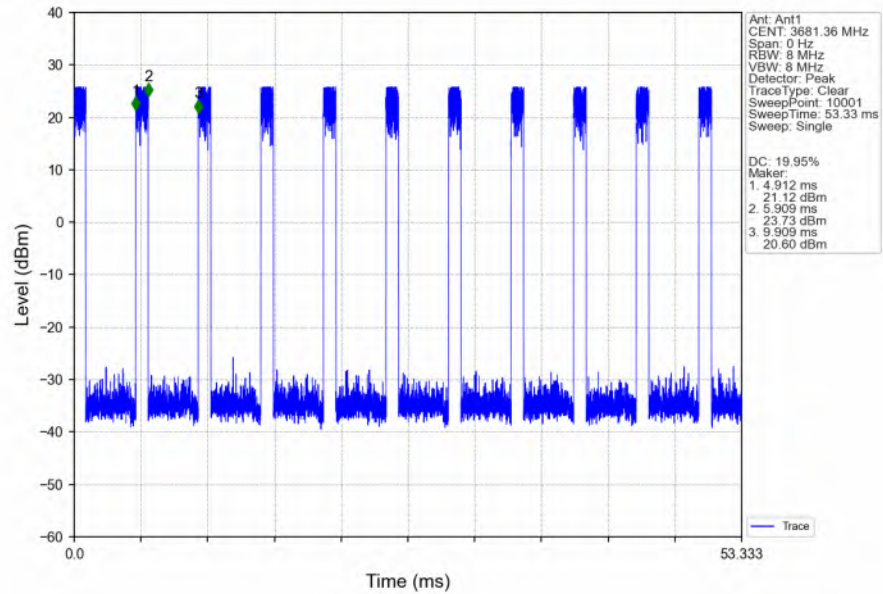
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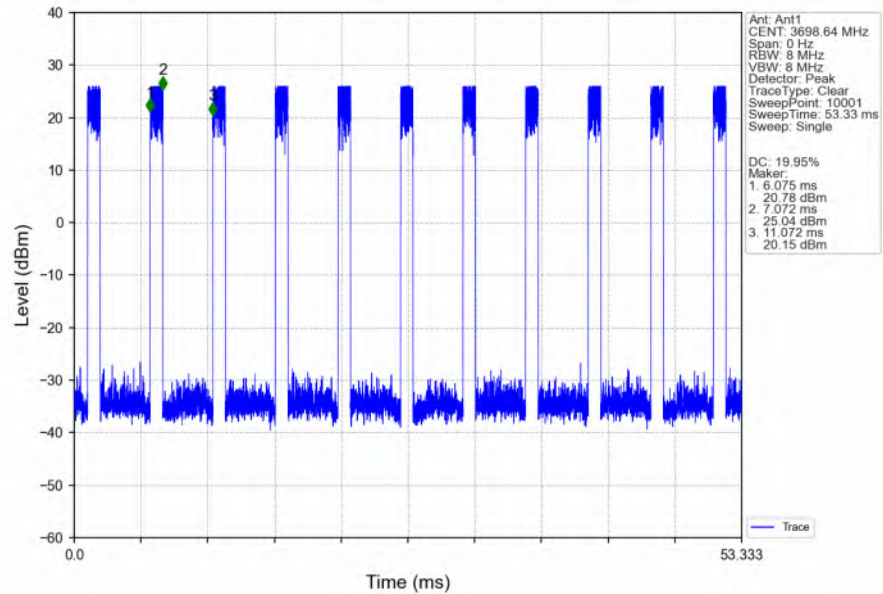
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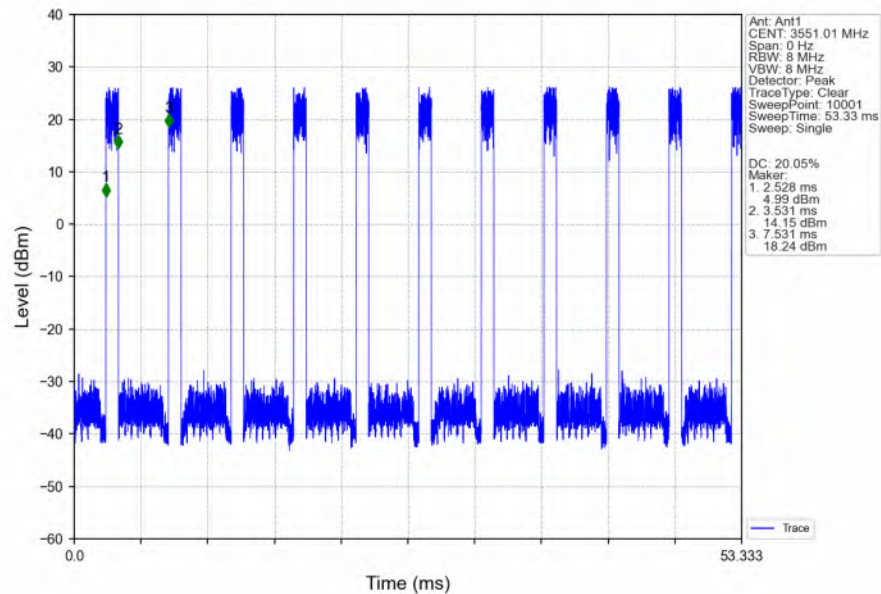
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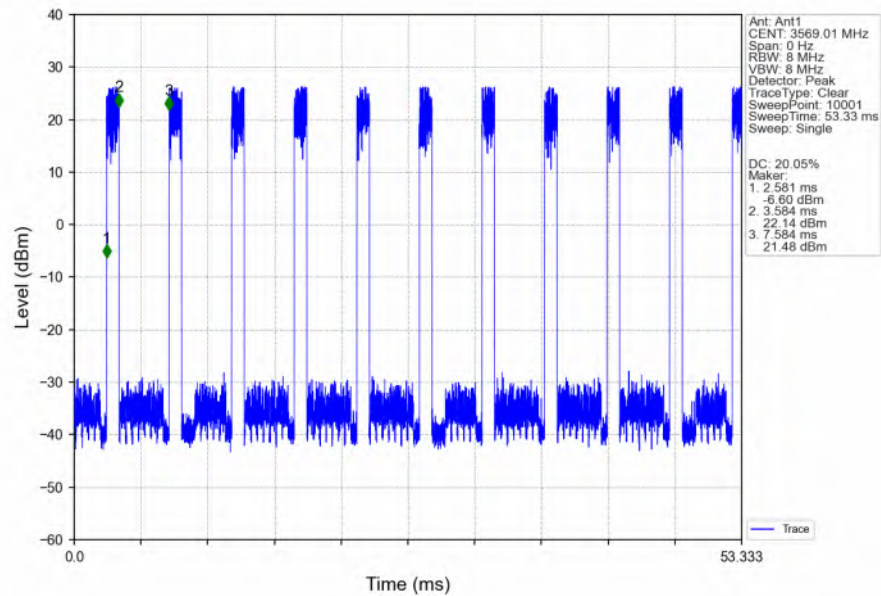
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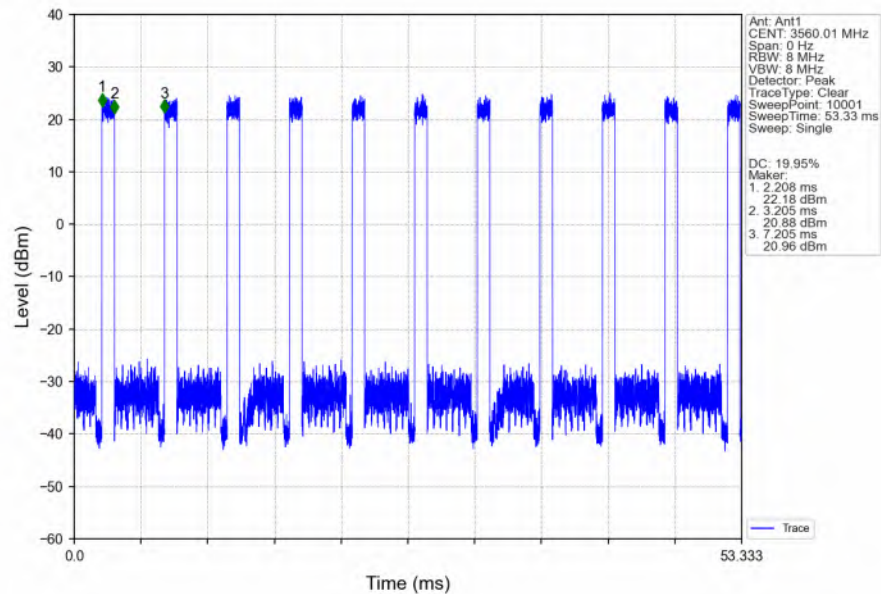
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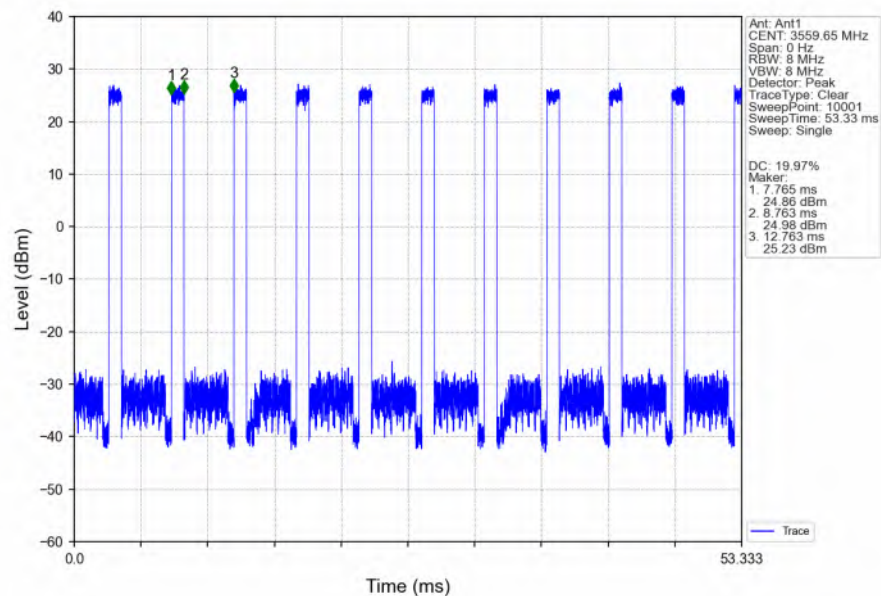
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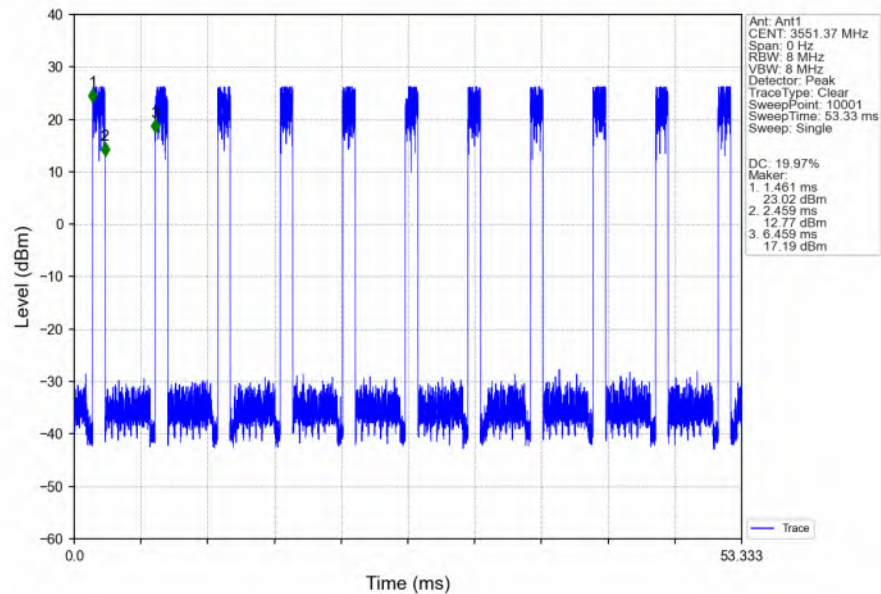
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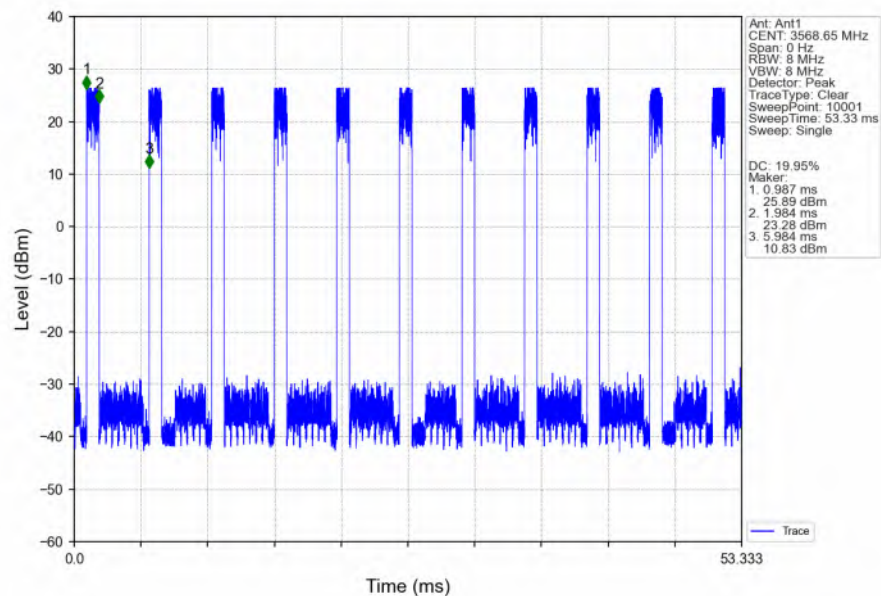
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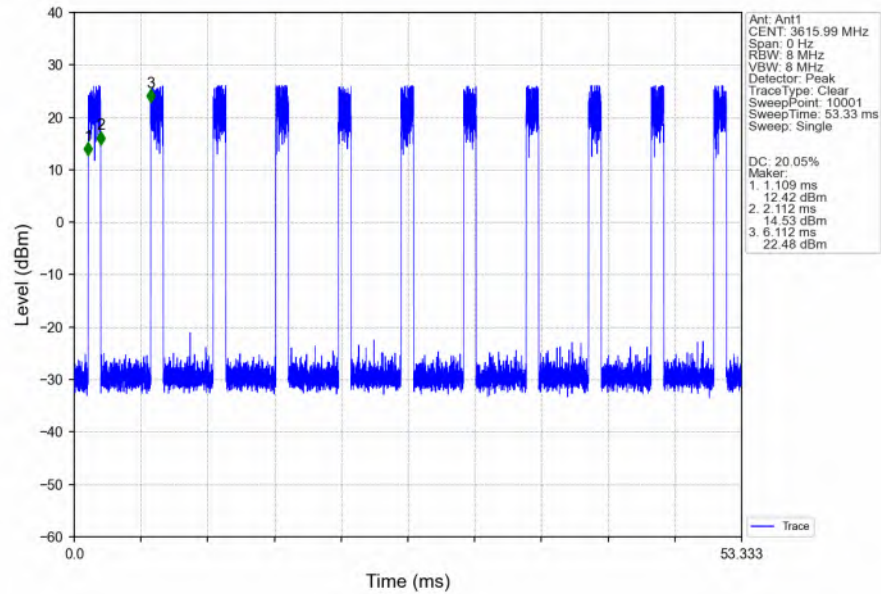
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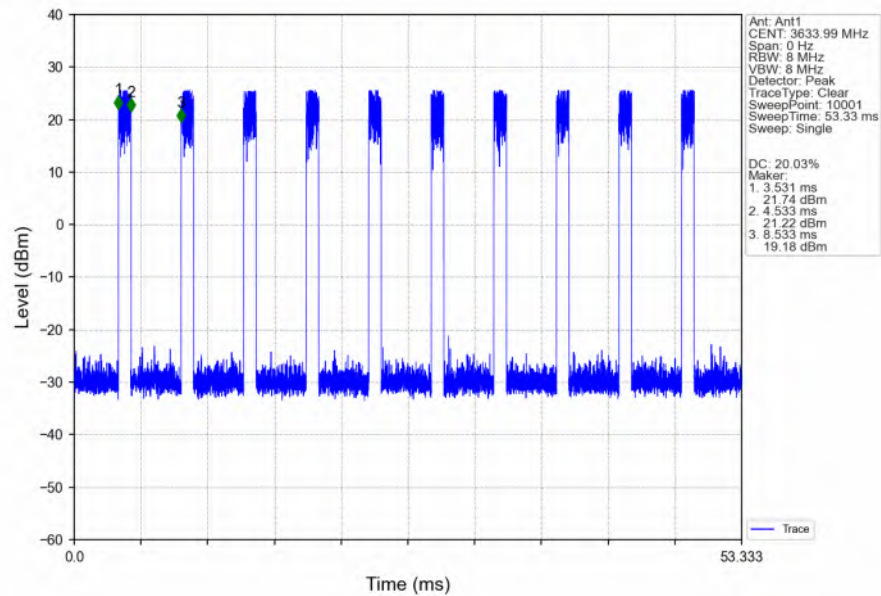
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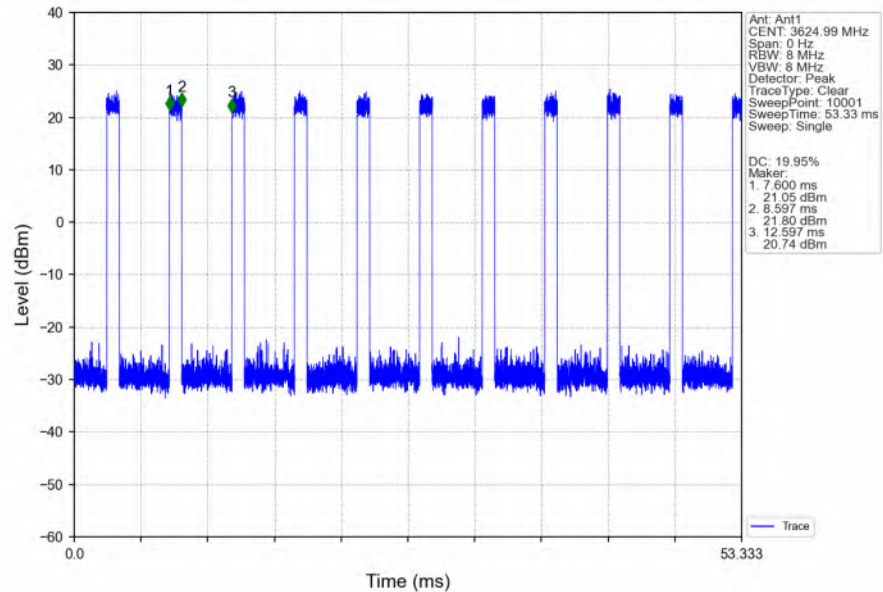
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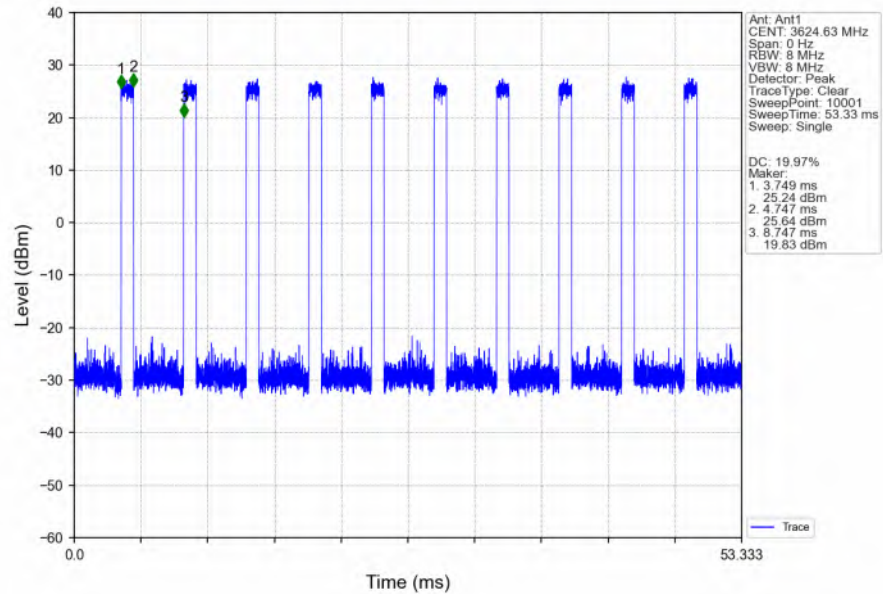
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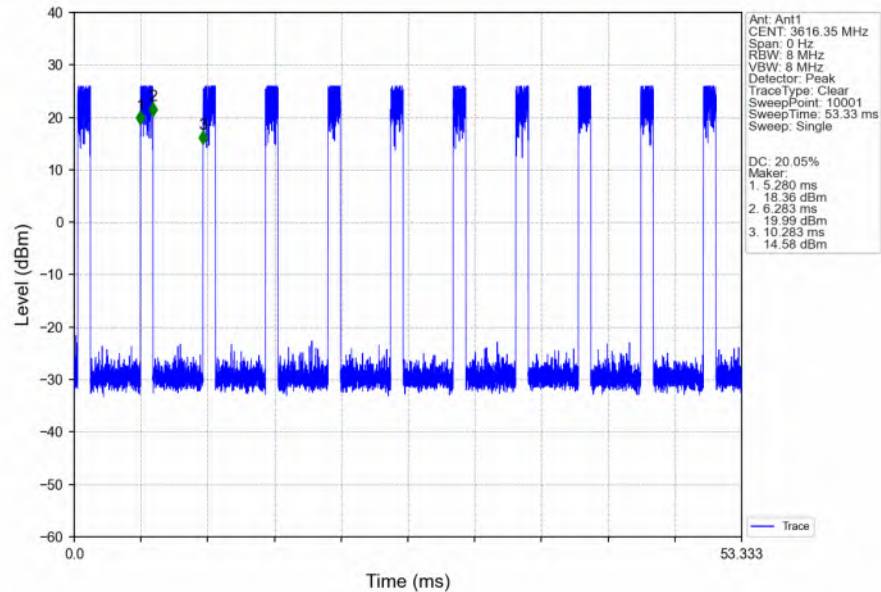
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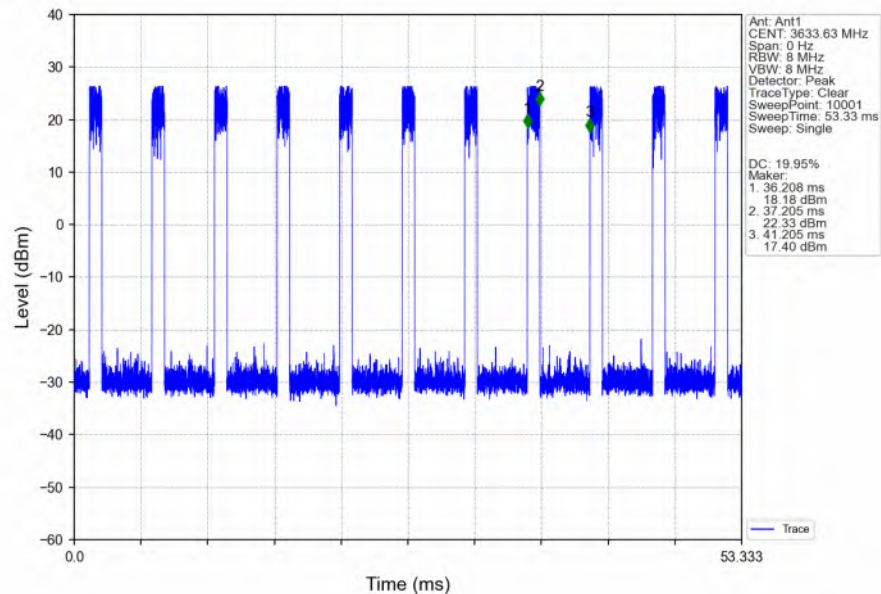
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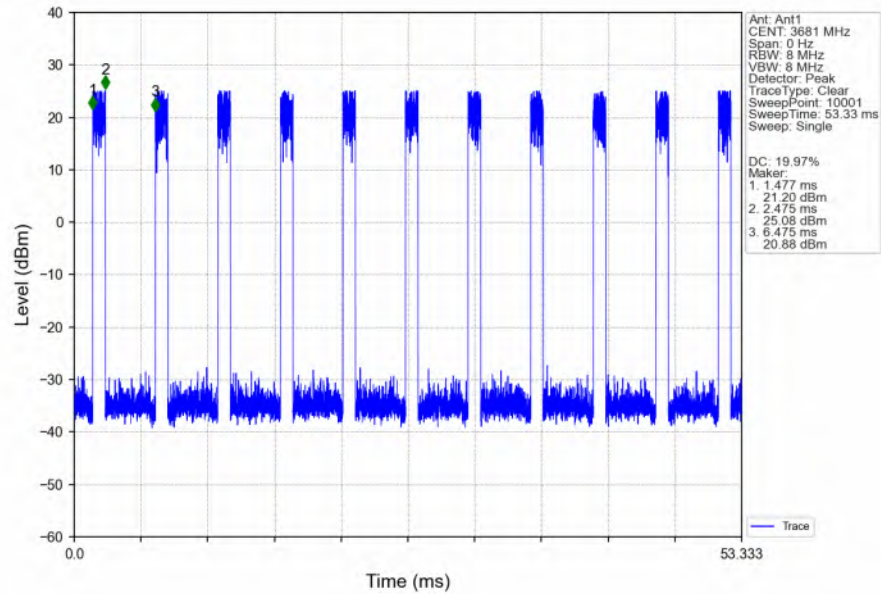
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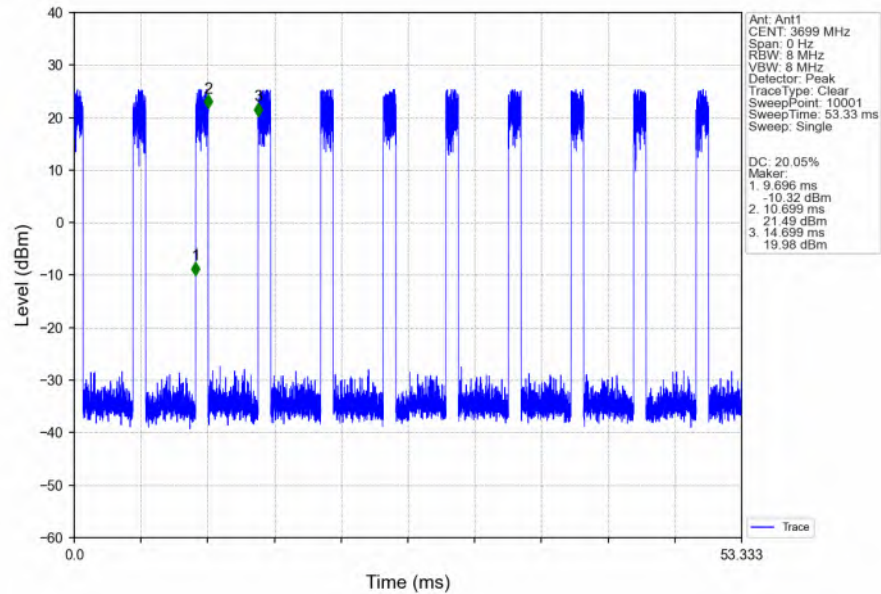
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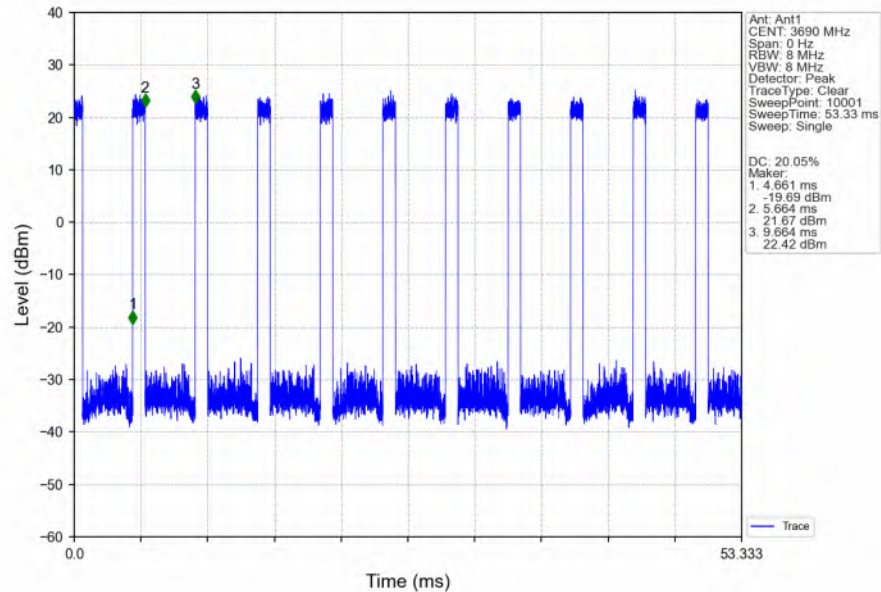
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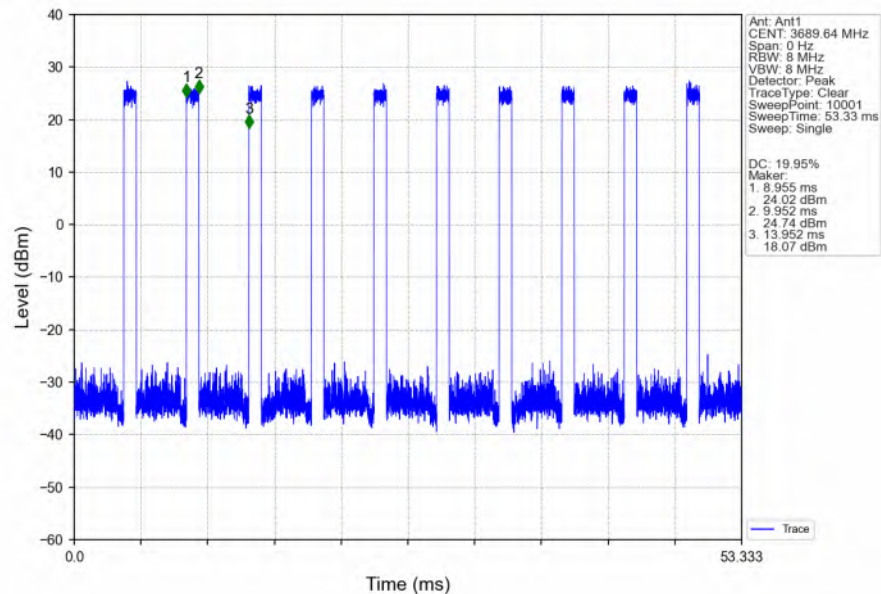
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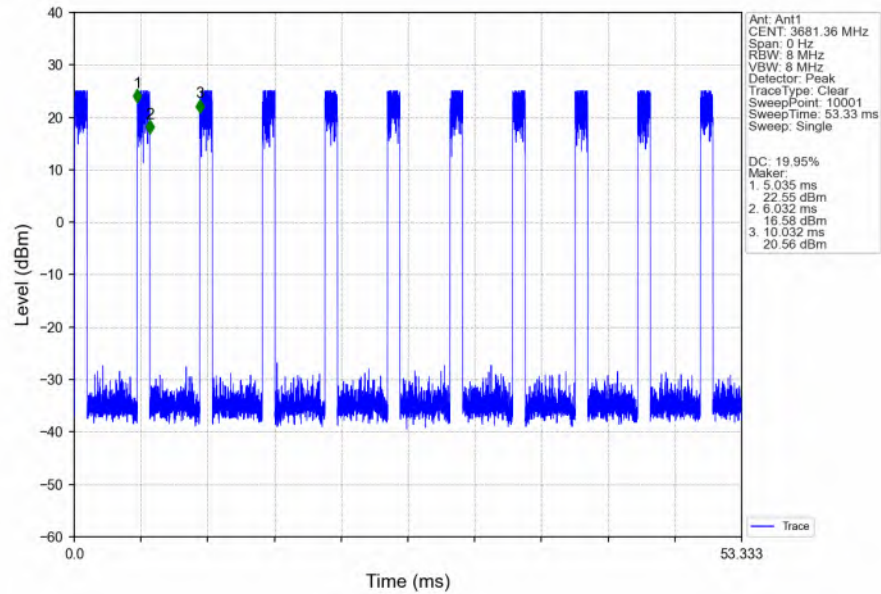
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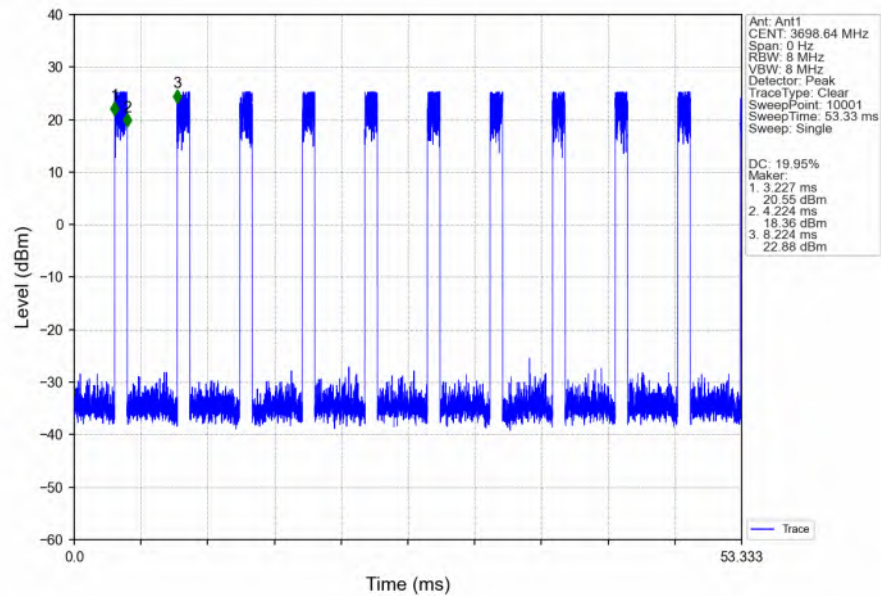
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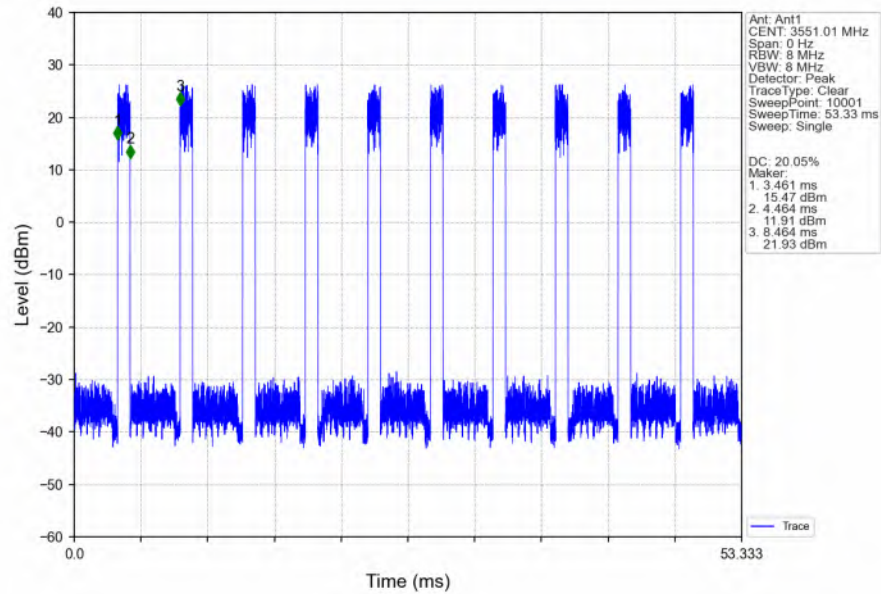
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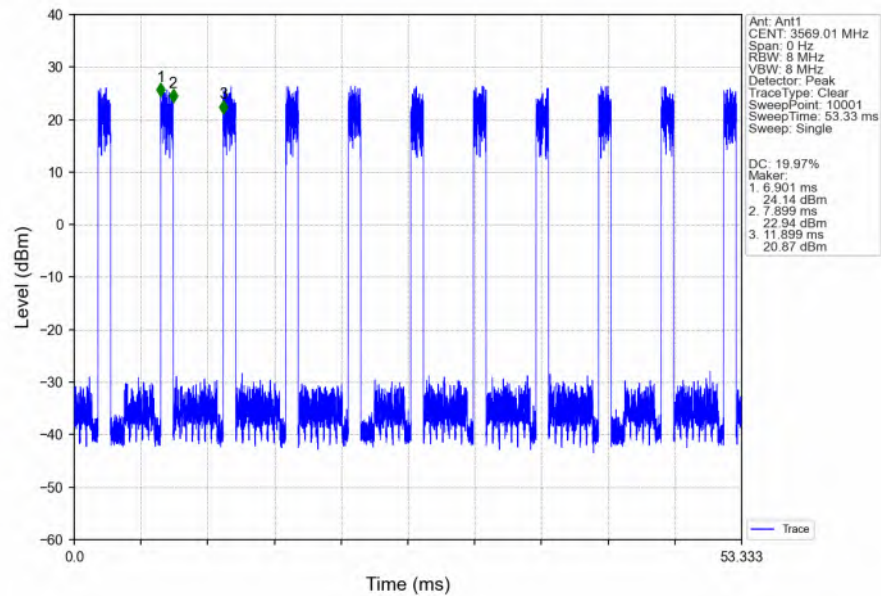
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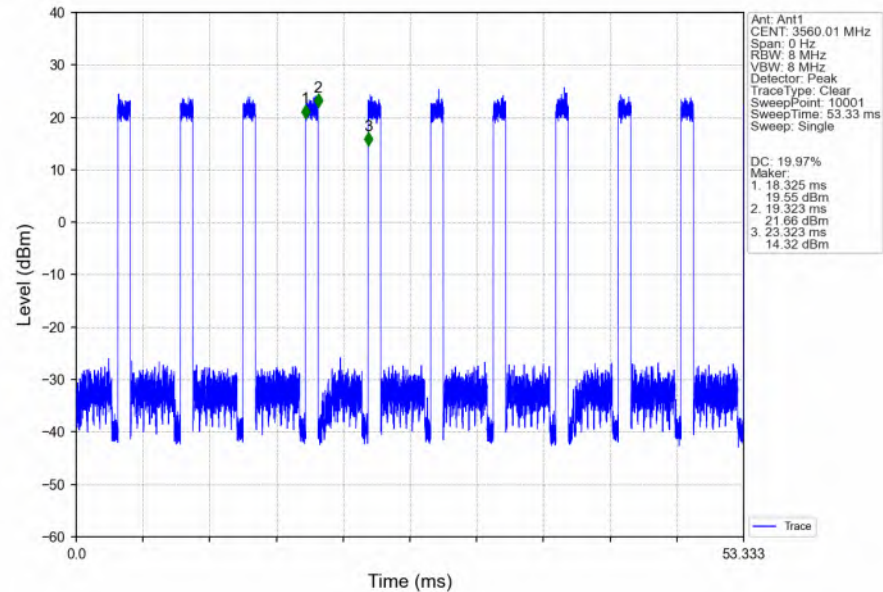
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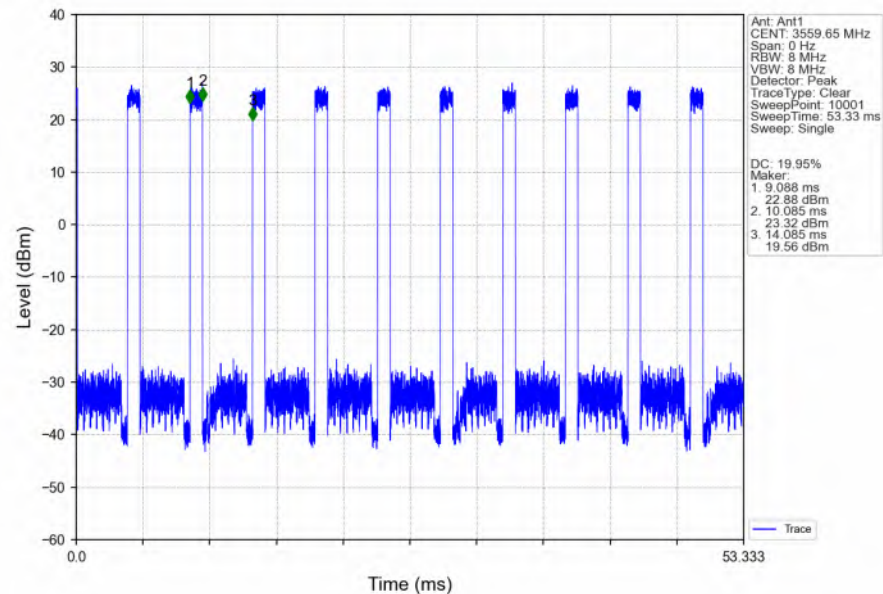
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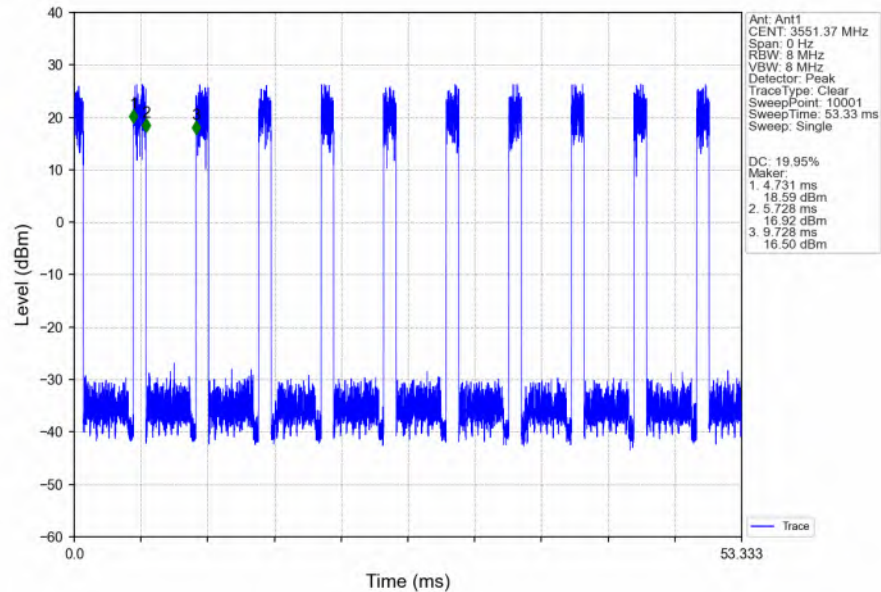
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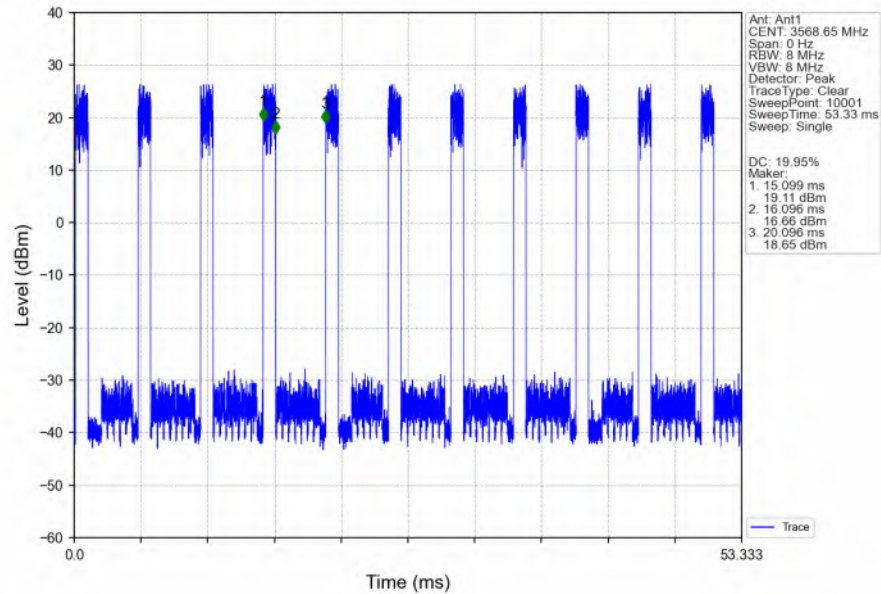
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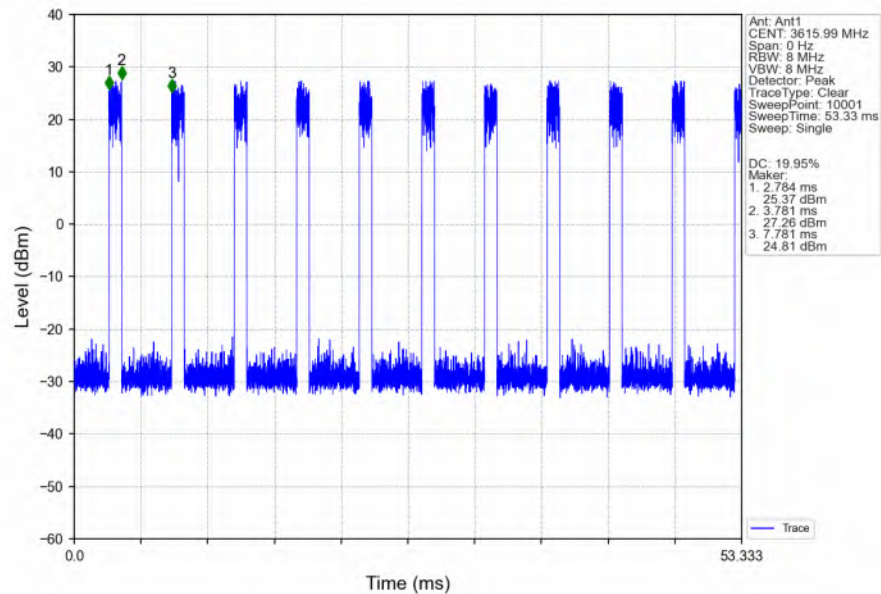
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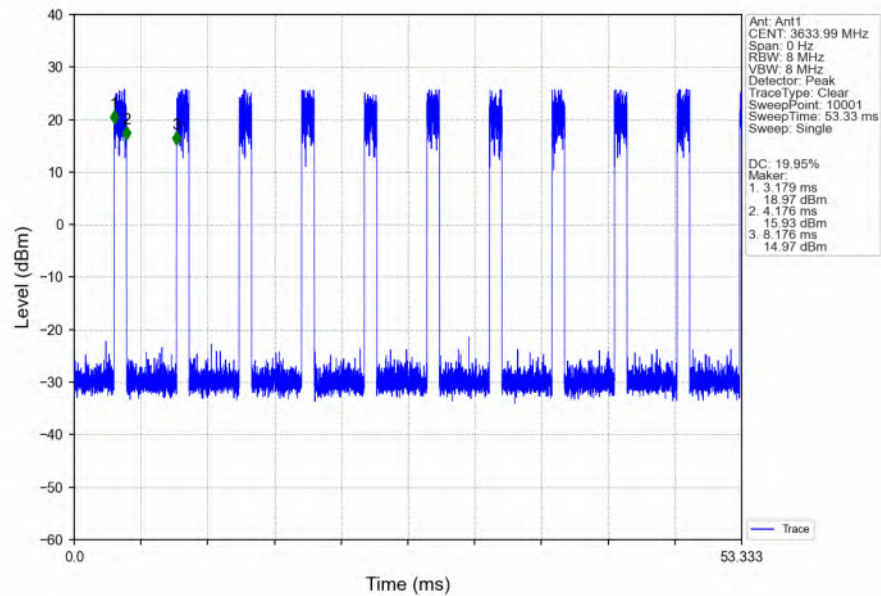
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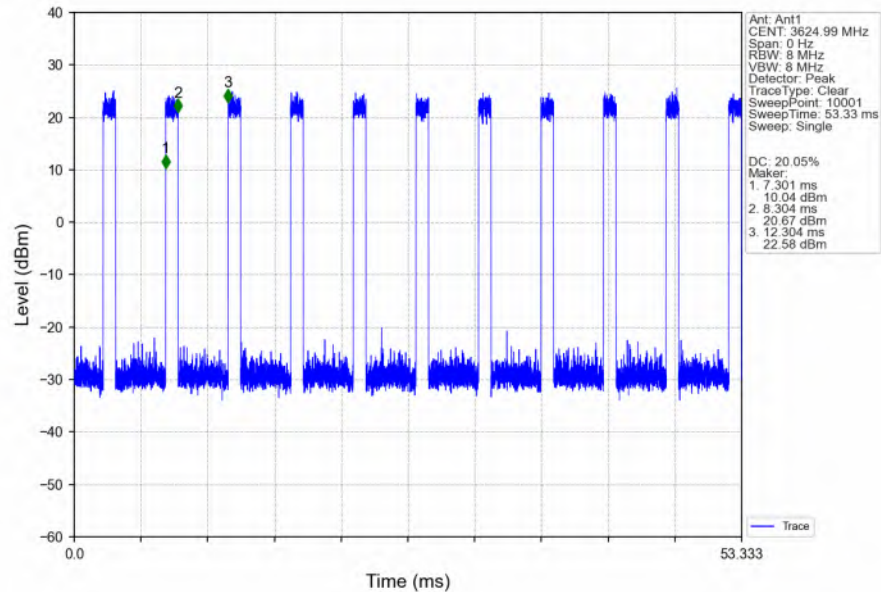
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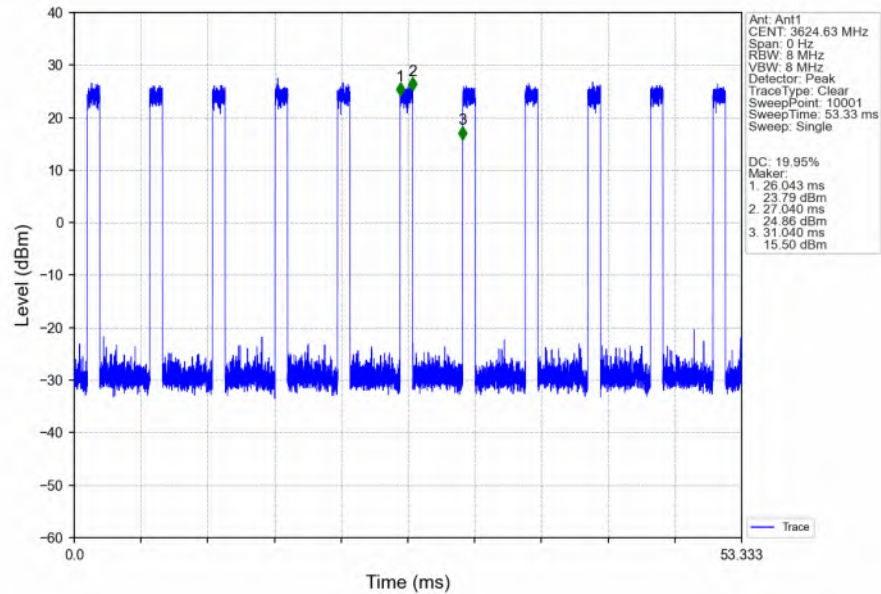
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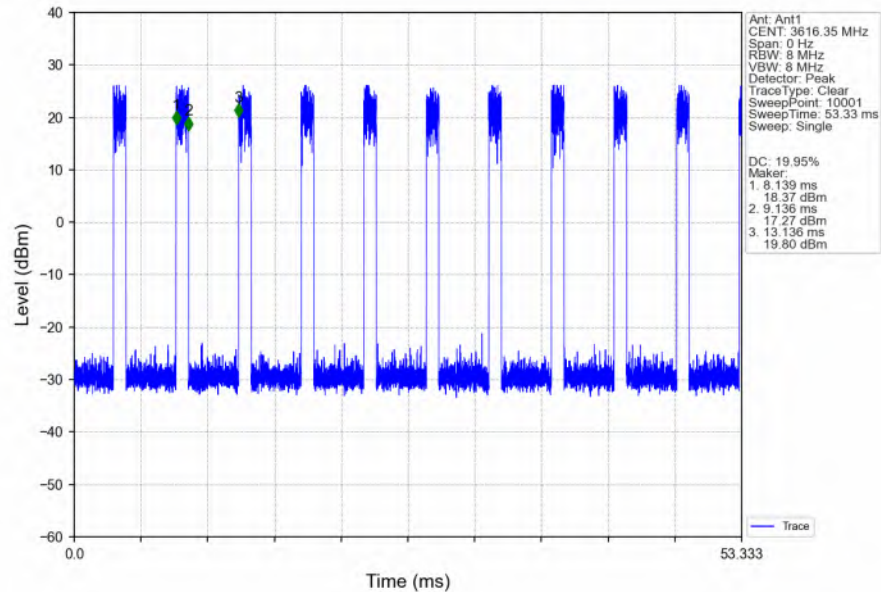
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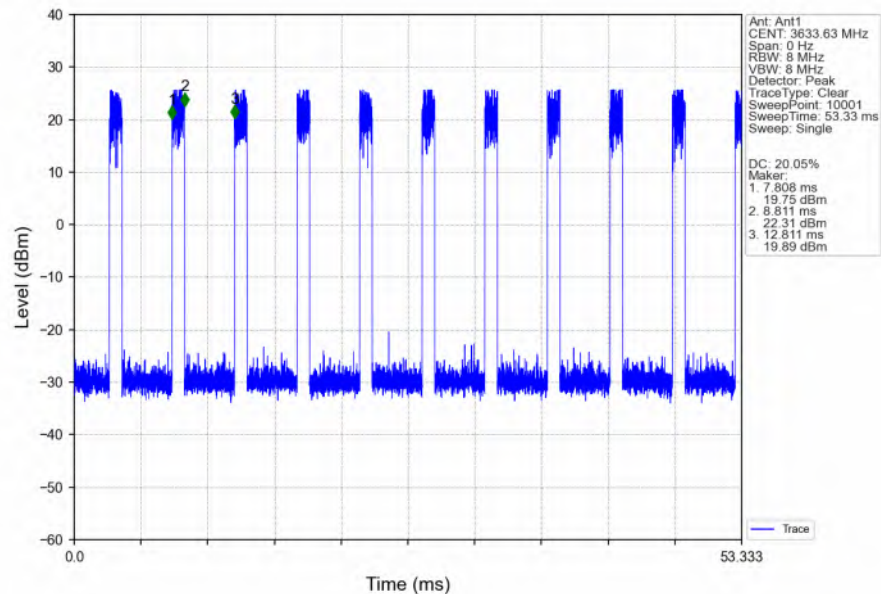
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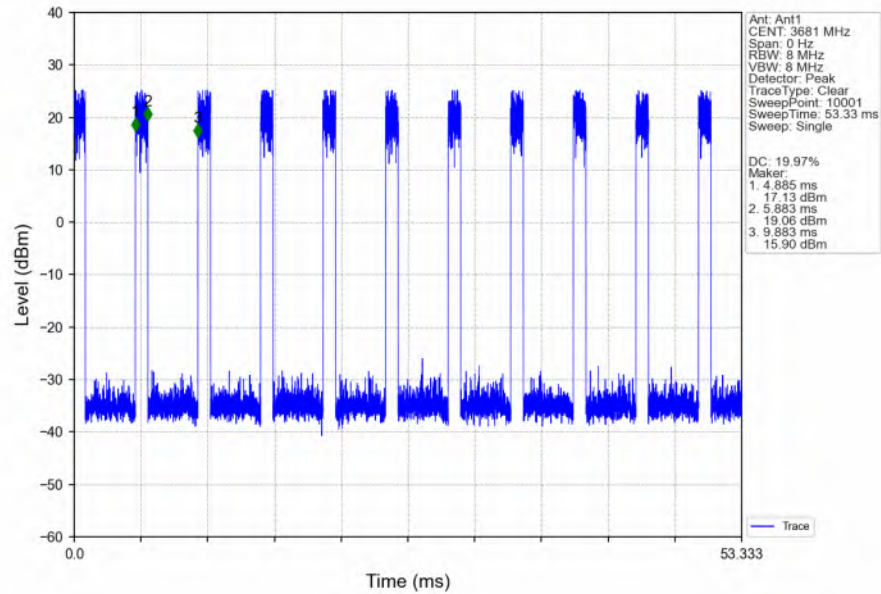
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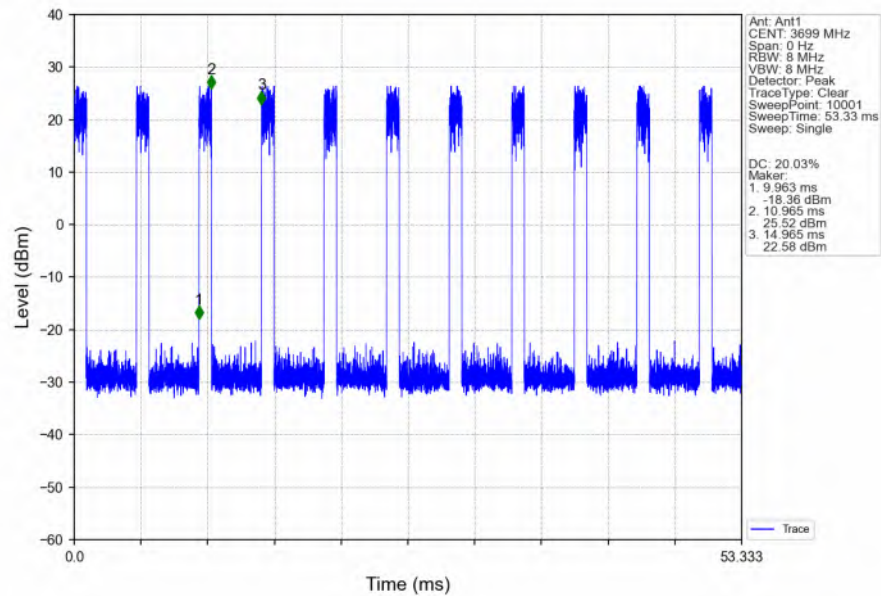
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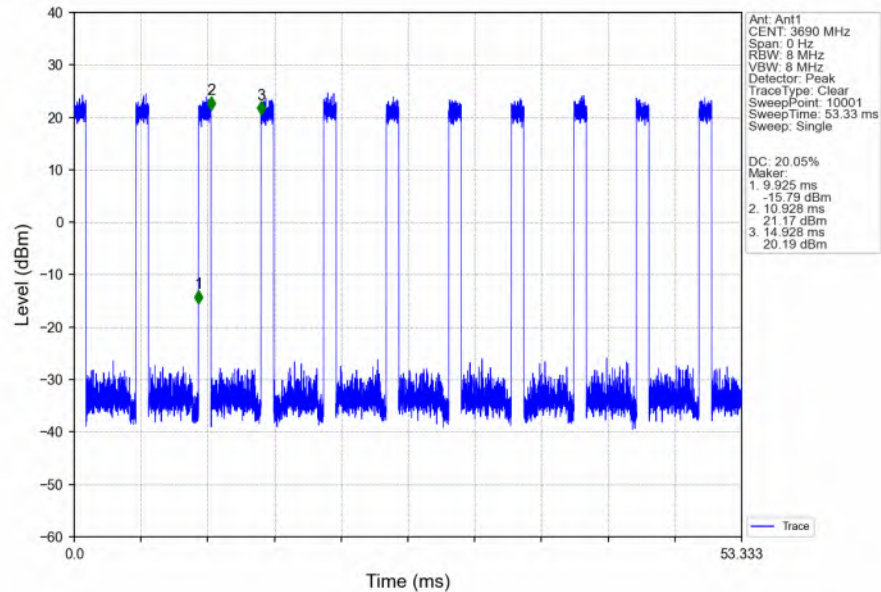
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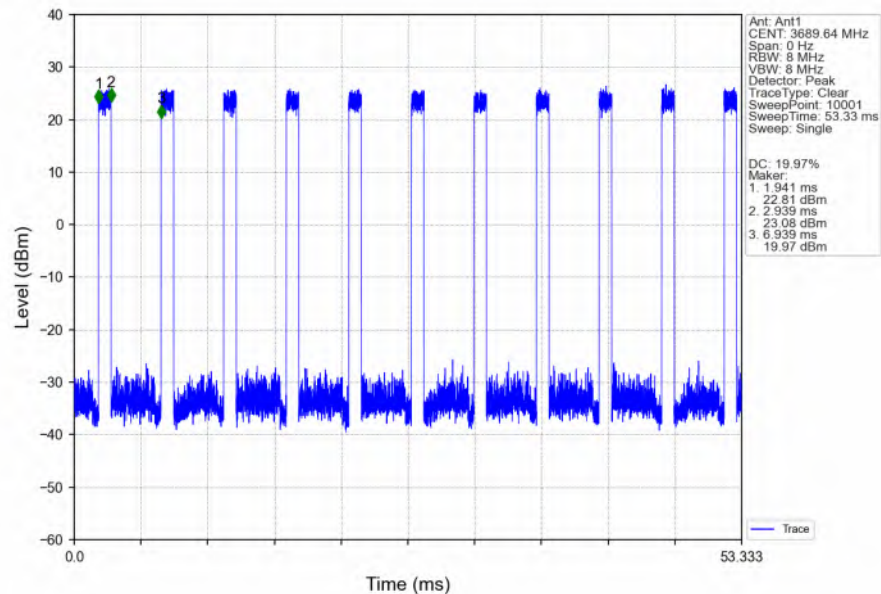
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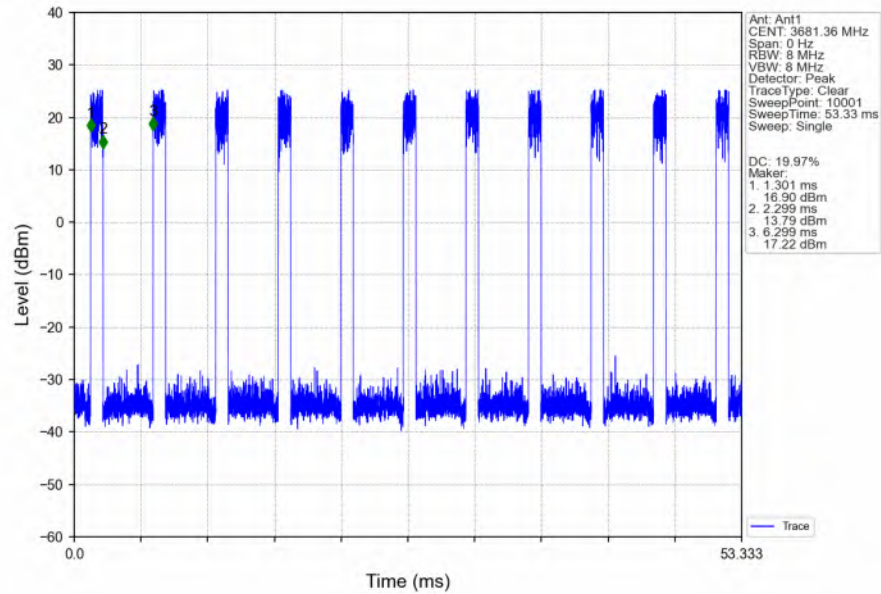
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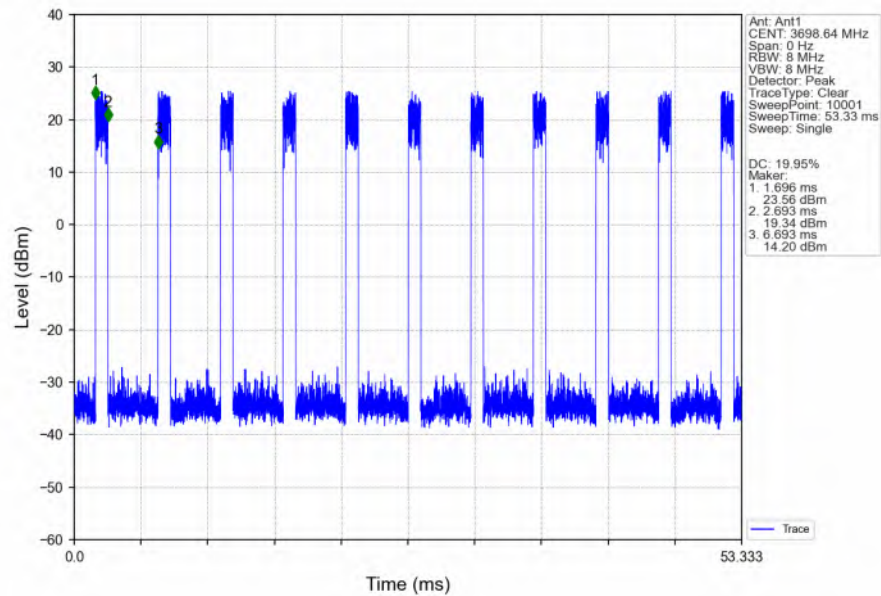
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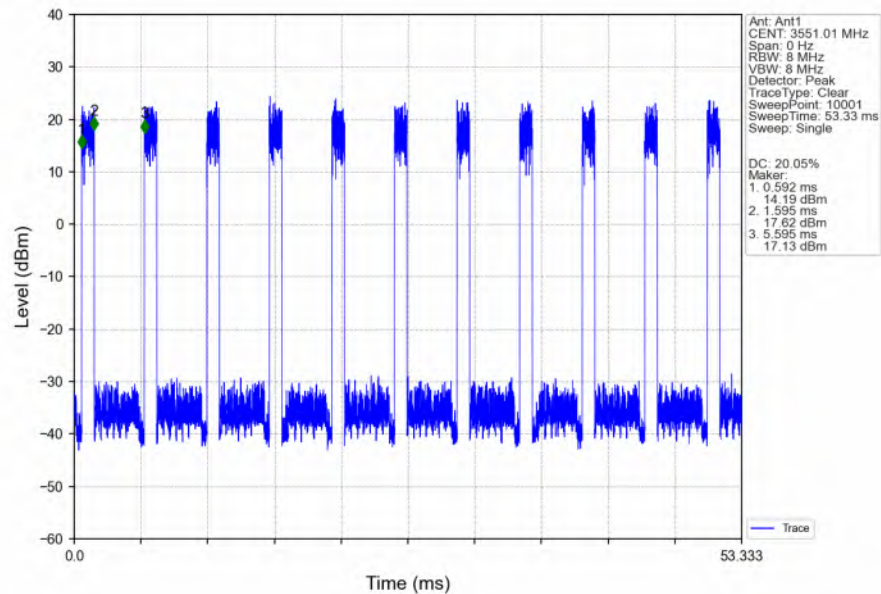
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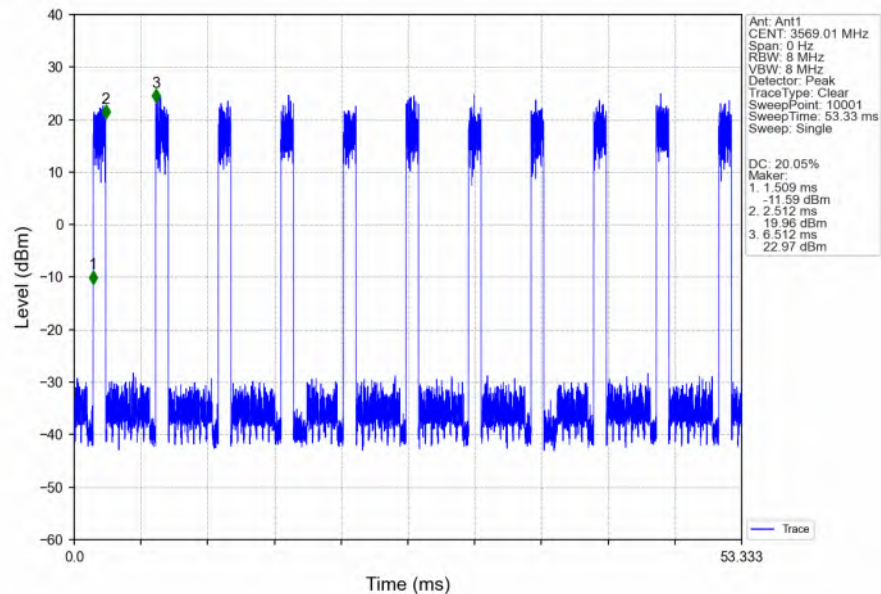
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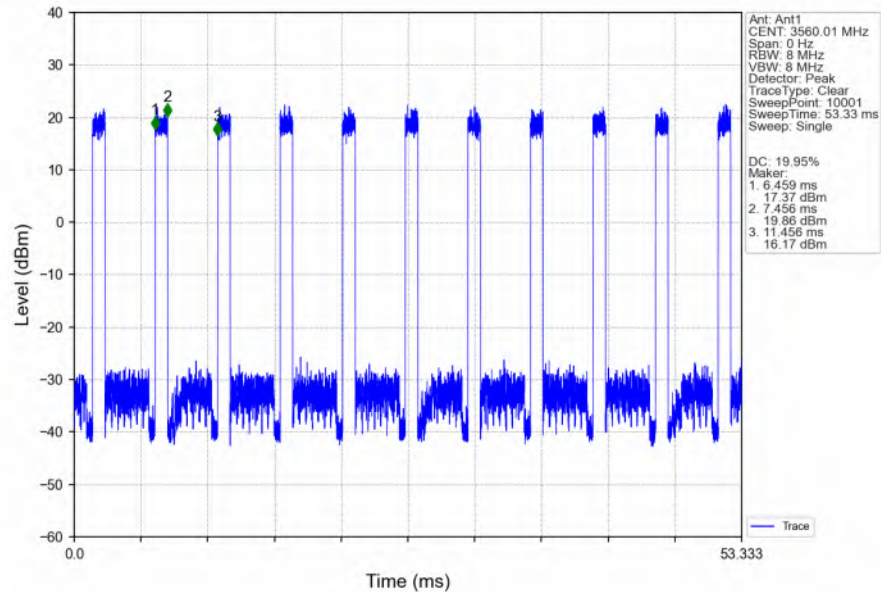
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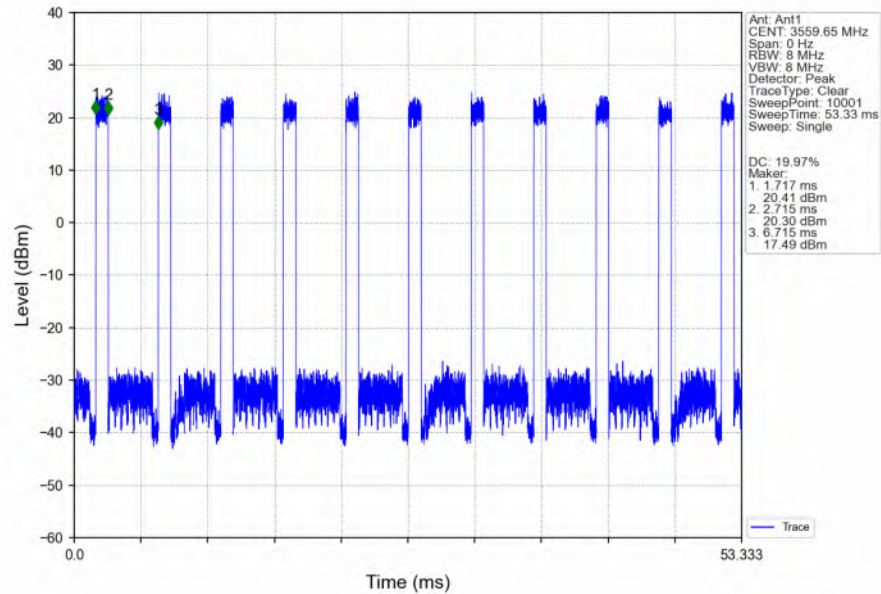
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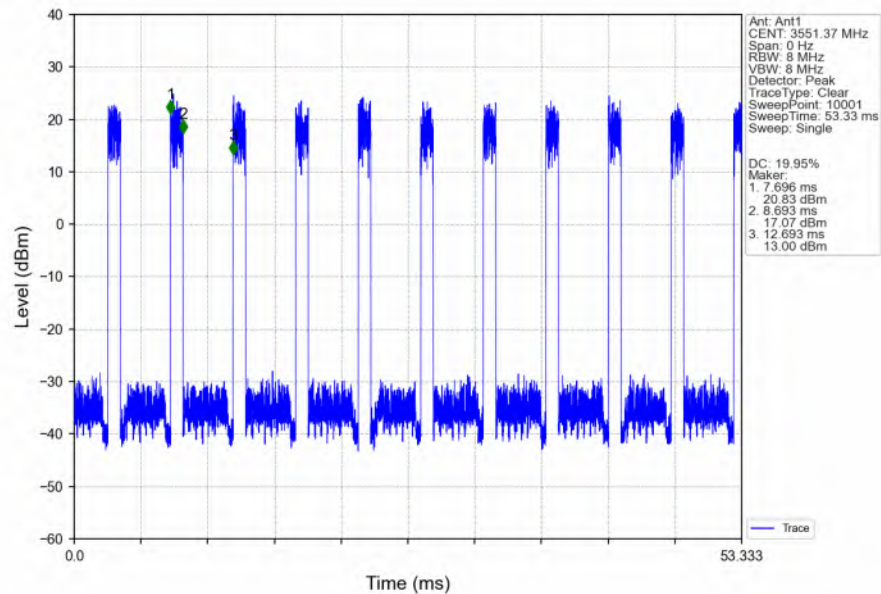
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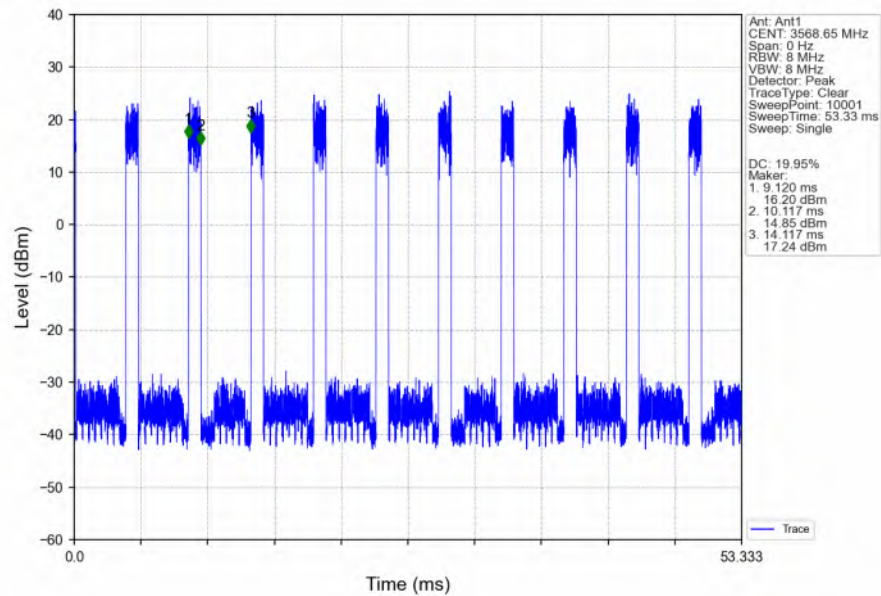
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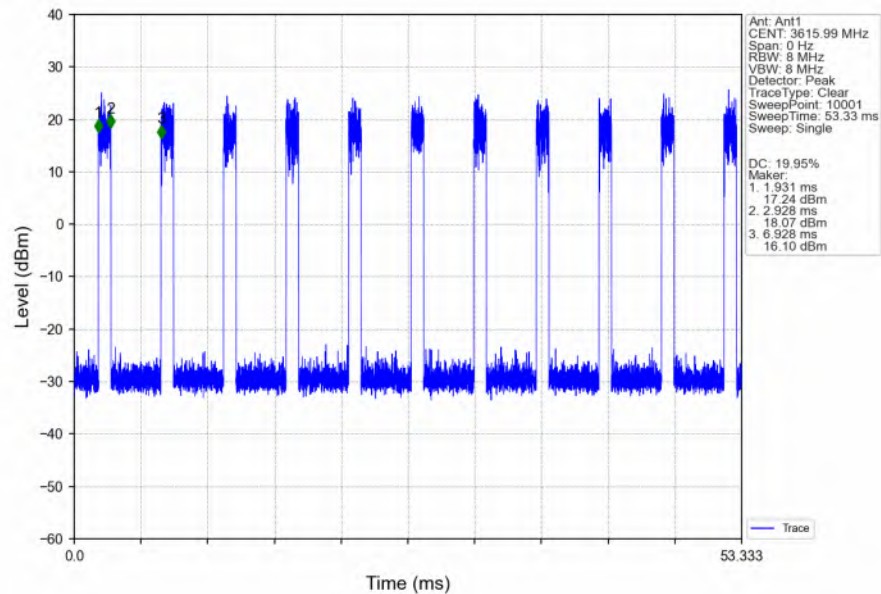
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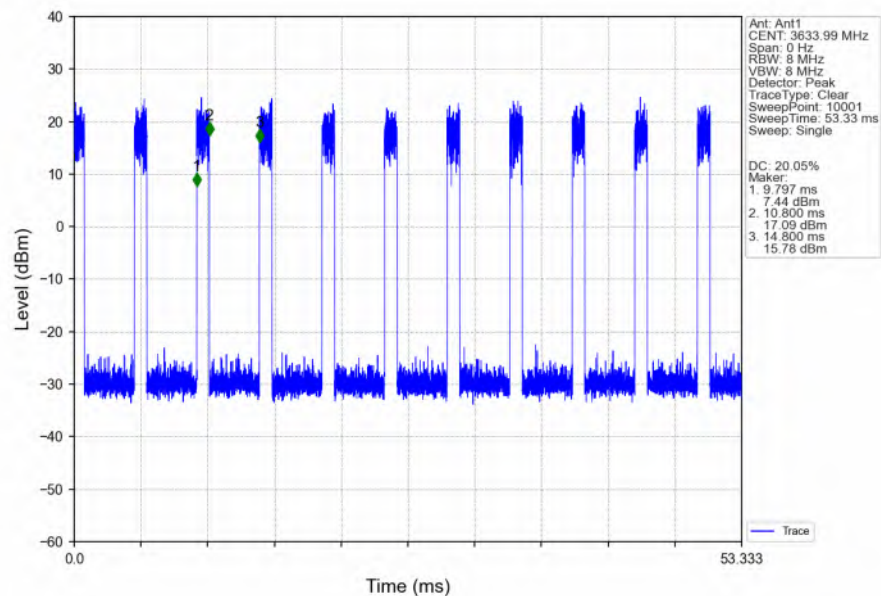
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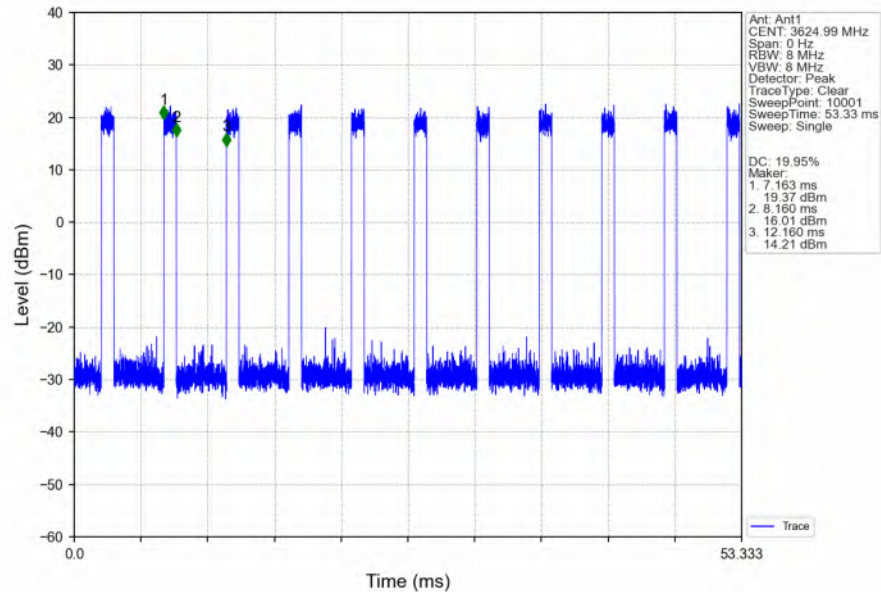
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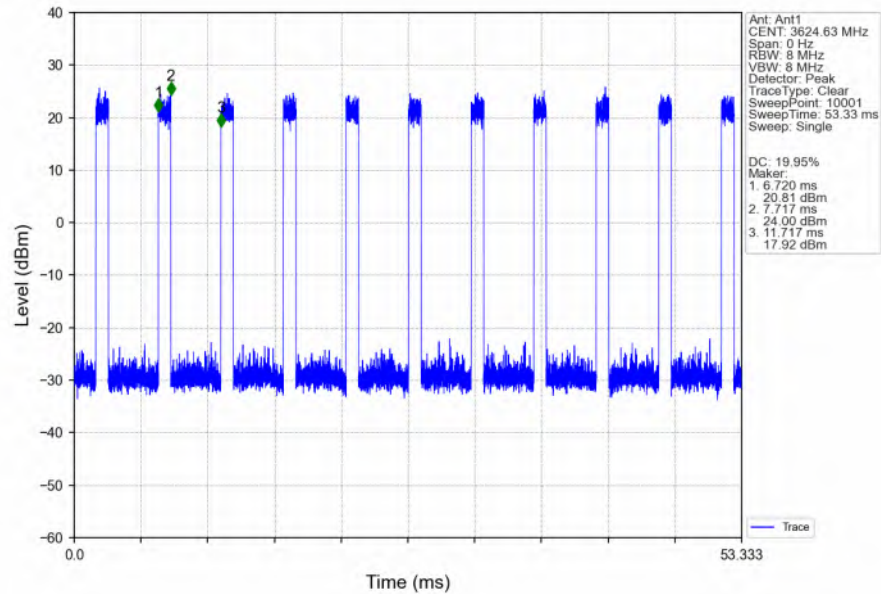
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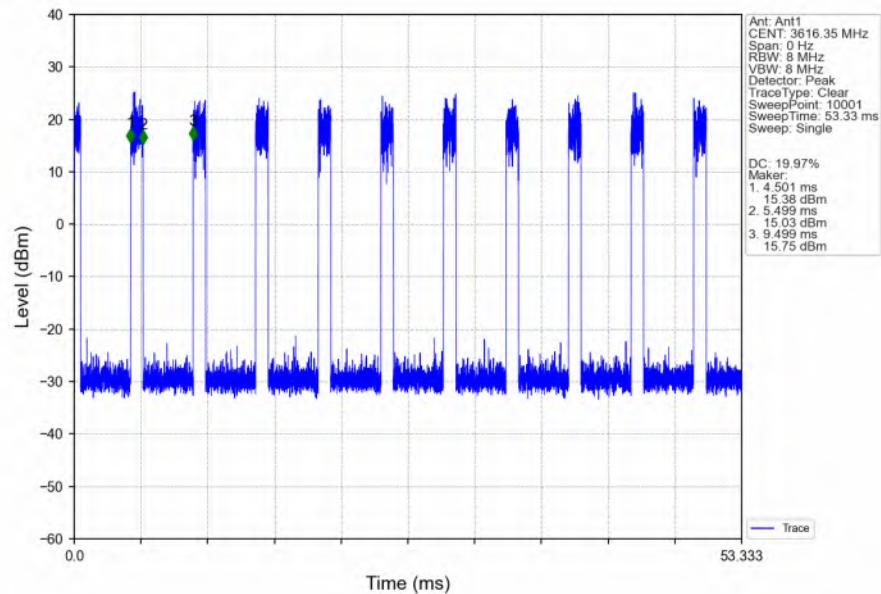
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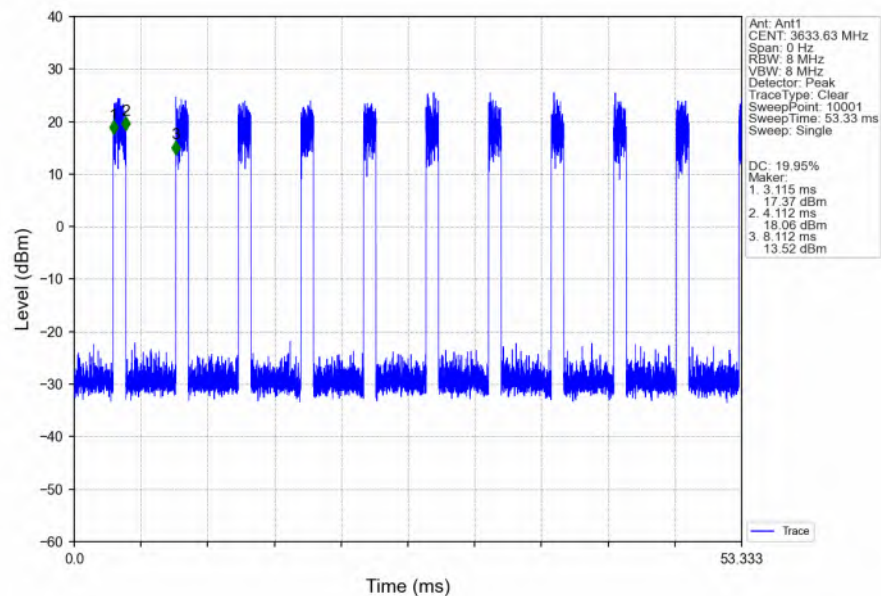
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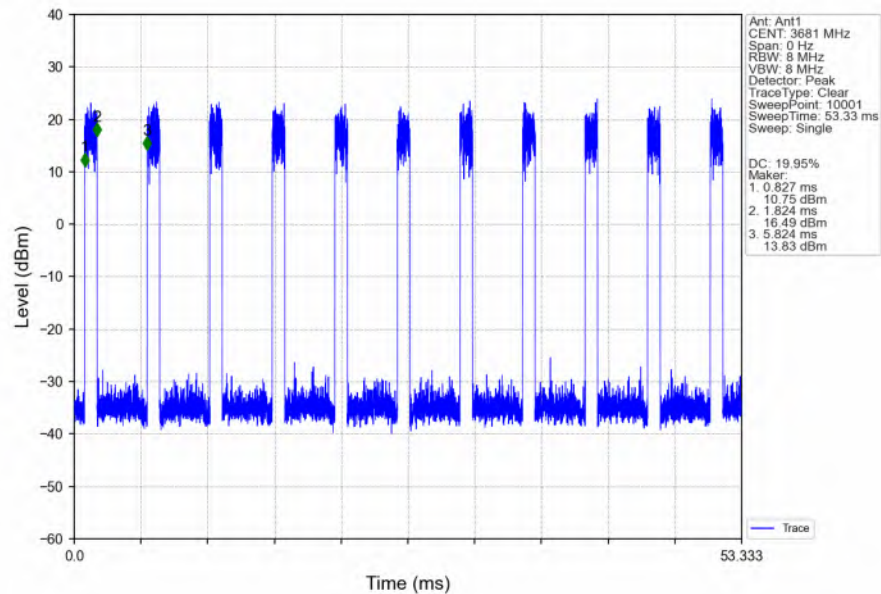
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n48_30kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_3624.99MHz_Inner_1RB_Right_Ant1



n48_30kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_3690MHz_Edge_1RB_Left_Ant1



n48_30kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_3690MHz_Edge_1RB_Right_Ant1

