

Appendix: 2.4G Wi-Fi

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1. Duty Cycle

1.1 Test Result

1.1.1 Ant1

Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	/	/	8.384	8.457	99.14	0.04	0.04
		2437	/	/	8.383	8.457	99.12	0.04	0.00
		2462	/	/	8.384	8.457	99.14	0.04	0.04
802.11g	SISO	2412	/	/	1.393	1.454	95.80	0.19	0.63
		2437	/	/	1.392	1.453	95.80	0.19	0.60
		2462	/	/	1.393	1.455	95.74	0.19	0.63
802.11n (HT20)	MIMO	2412	/	/	1.308	1.369	95.54	0.20	0.66
		2437	/	/	1.308	1.370	95.47	0.20	0.69
		2462	/	/	1.309	1.370	95.55	0.20	0.69
802.11n (HT40)	MIMO	2422	/	/	0.649	0.710	91.41	0.39	1.19
		2437	/	/	0.649	0.710	91.41	0.39	1.22
		2452	/	/	0.649	0.710	91.41	0.39	1.19
802.11ax (HEW20)	MIMO	2412	SU	/	0.311	0.372	83.60	0.78	2.13
		2437	SU	/	0.311	0.372	83.60	0.78	2.15
		2462	SU	/	0.311	0.372	83.60	0.78	2.13
802.11ax (HEW40)	MIMO	2422	SU	/	0.311	0.372	83.60	0.78	2.12
		2437	SU	/	0.311	0.372	83.60	0.78	2.12
		2452	SU	/	0.311	0.372	83.60	0.78	0.07
802.11be (EHT20)	MIMO	2412	SU	/	0.365	0.426	85.68	0.67	1.86
		2437	SU	/	0.364	0.425	85.65	0.67	1.90
		2462	SU	/	0.364	0.425	85.65	0.67	1.90
802.11be (EHT40)	MIMO	2422	SU	/	0.364	0.426	85.45	0.68	1.93
		2437	SU	/	0.364	0.425	85.65	0.67	1.90
		2452	SU	/	0.364	0.426	85.45	0.68	1.90

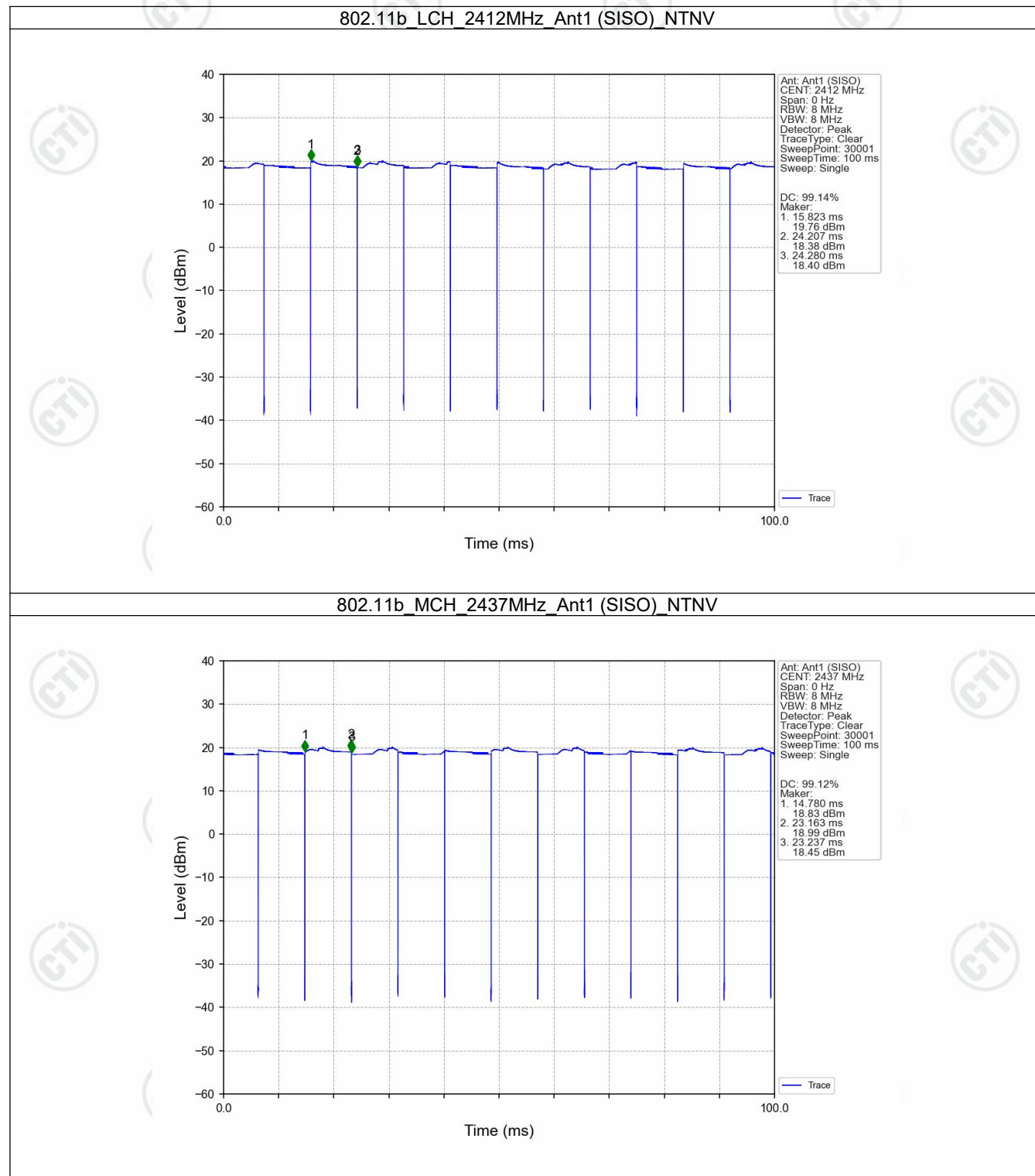
1.1.2 Ant2

Ant2									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	/	/	8.384	8.457	99.14	0.04	0.00
		2437	/	/	8.384	8.457	99.14	0.04	0.00
		2462	/	/	8.383	8.456	99.14	0.04	0.04
802.11g	SISO	2412	/	/	1.394	1.454	95.87	0.18	0.60
		2437	/	/	1.393	1.454	95.80	0.19	0.63
		2462	/	/	1.393	1.454	95.80	0.19	0.63
802.11n (HT20)	MIMO	2412	/	/	1.309	1.370	95.55	0.20	0.69
		2437	/	/	1.309	1.370	95.55	0.20	0.66
		2462	/	/	1.309	1.370	95.55	0.20	0.62
802.11n (HT40)	MIMO	2422	/	/	0.649	0.709	91.54	0.38	1.19
		2437	/	/	0.649	0.709	91.54	0.38	1.19
		2452	/	/	0.649	0.710	91.41	0.39	1.19
802.11ax (HEW20)	MIMO	2412	SU	/	0.311	0.372	83.60	0.78	2.10
		2437	SU	/	0.311	0.372	83.60	0.78	2.12
		2462	SU	/	0.311	0.372	83.60	0.78	2.12
802.11ax (HEW40)	MIMO	2422	SU	/	0.311	0.372	83.60	0.78	2.09
		2437	SU	/	0.311	0.372	83.60	0.78	0.07

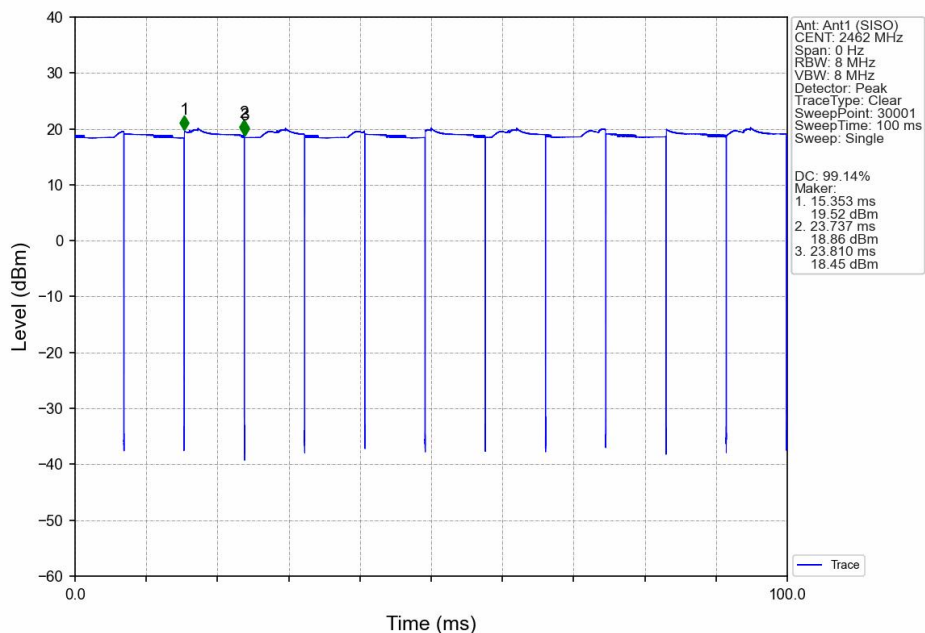
		2452	SU	/	0.311	0.372	83.60	0.78	2.13
802.11be (EHT20)	MIMO	2412	SU	/	0.364	0.426	85.45	0.68	1.90
		2437	SU	/	0.365	0.426	85.68	0.67	1.87
		2462	SU	/	0.364	0.426	85.45	0.68	1.90
		2422	SU	/	0.364	0.426	85.45	0.68	1.90
802.11be (EHT40)	MIMO	2437	SU	/	0.364	0.425	85.65	0.67	1.87
		2452	SU	/	0.364	0.426	85.45	0.68	1.92

1.2 Test Graph

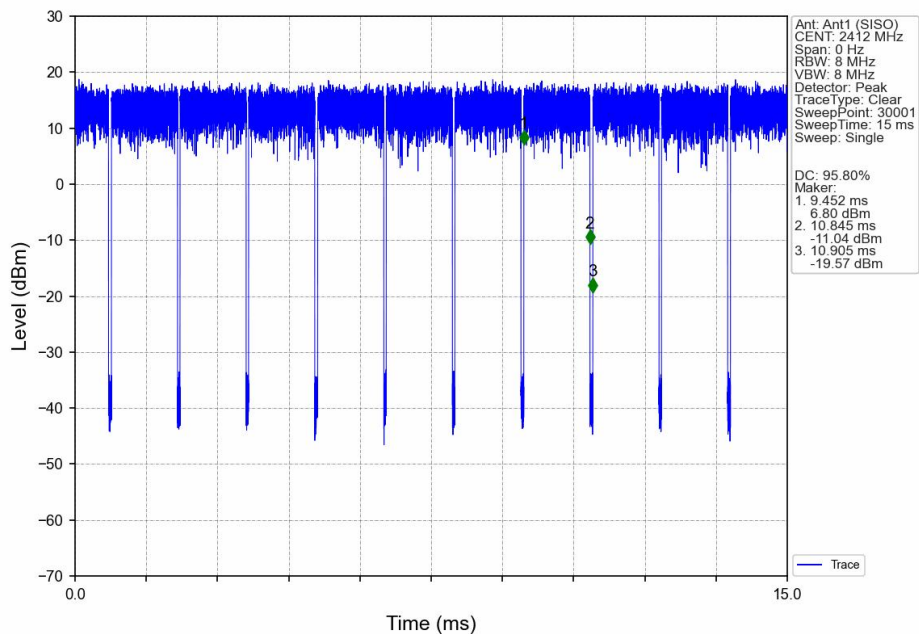
1.2.1 Ant1



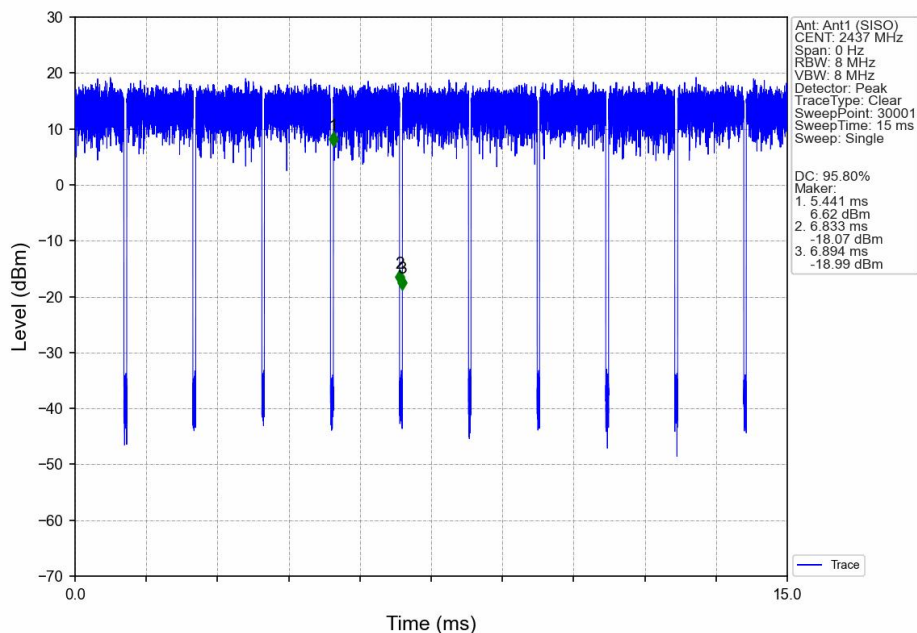
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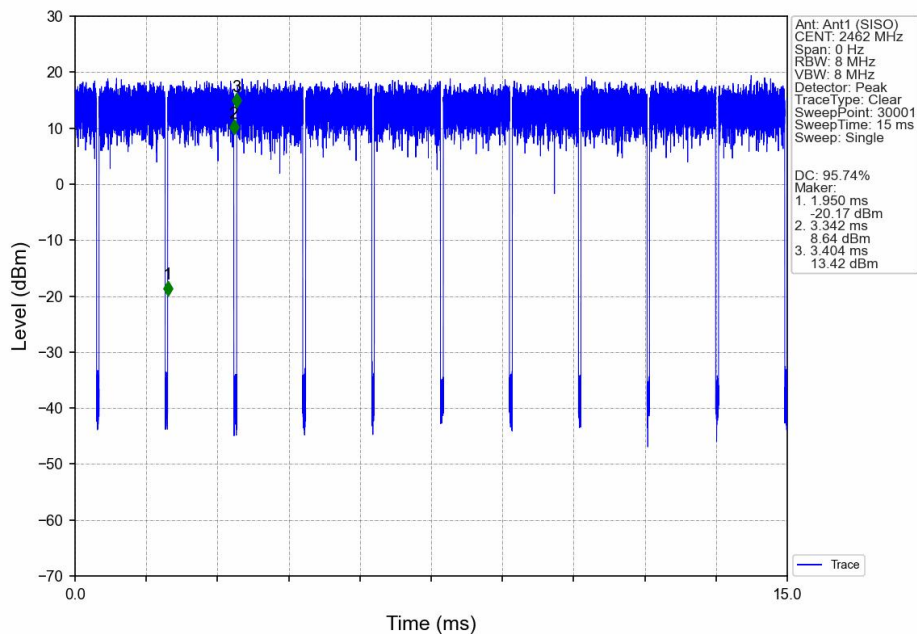
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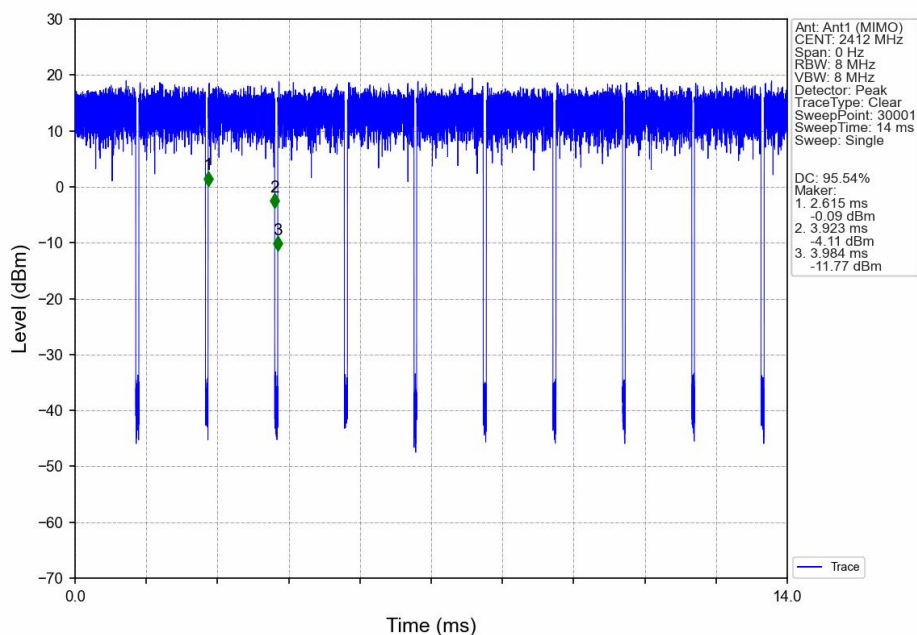
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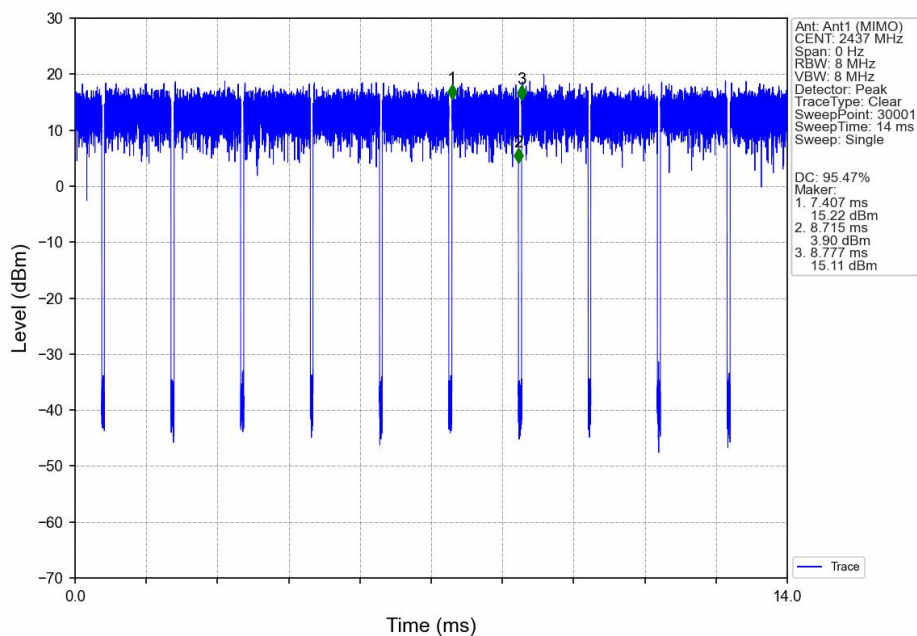
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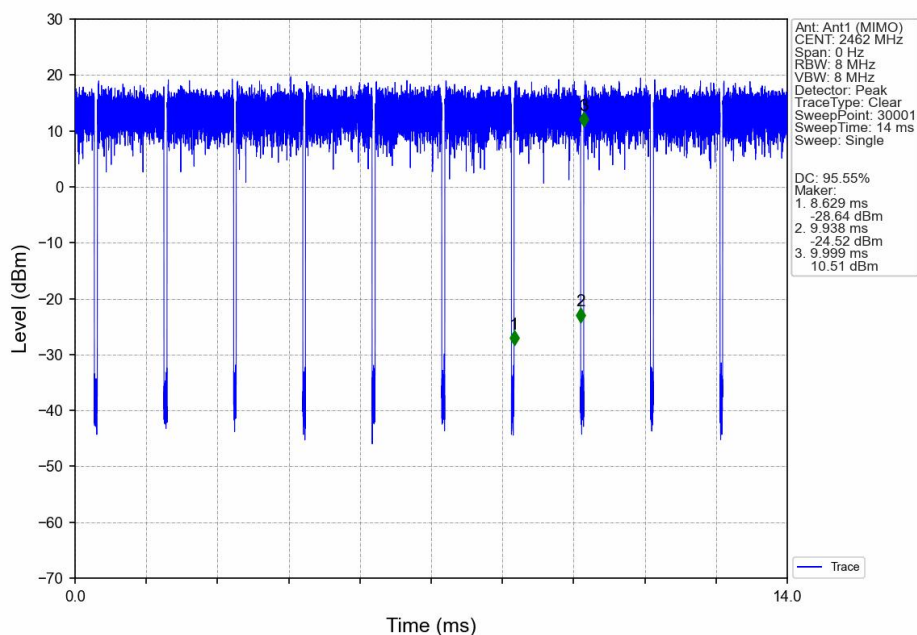
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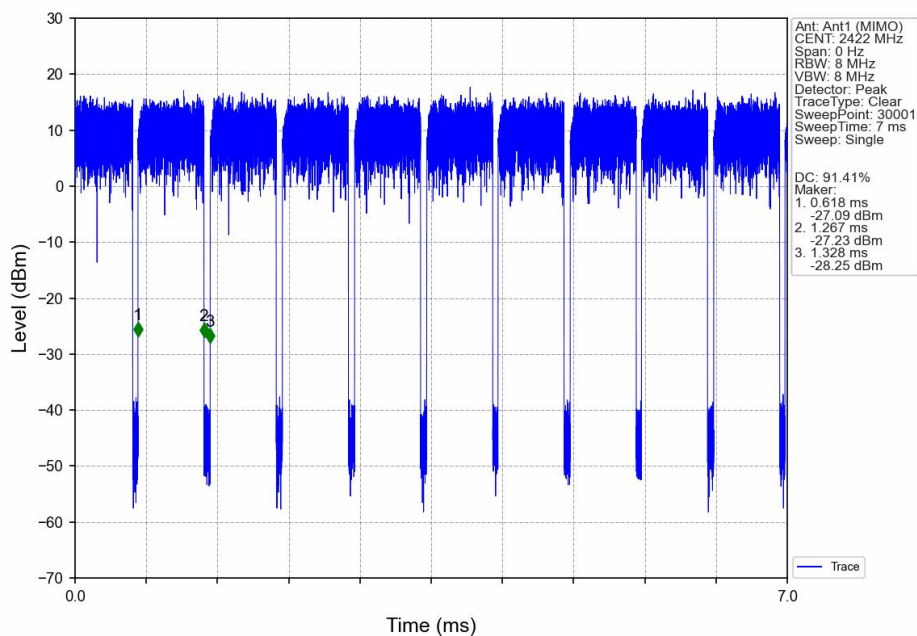
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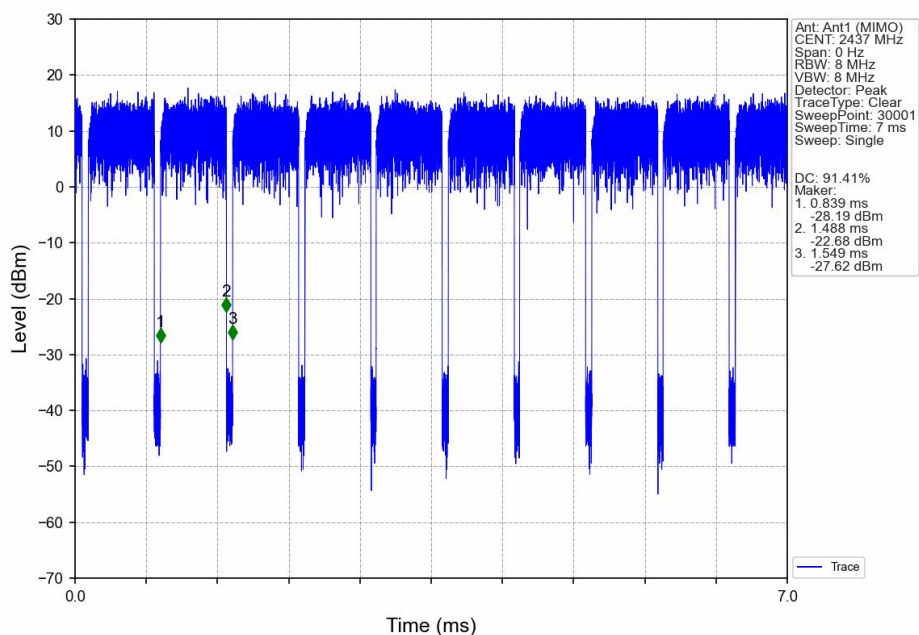
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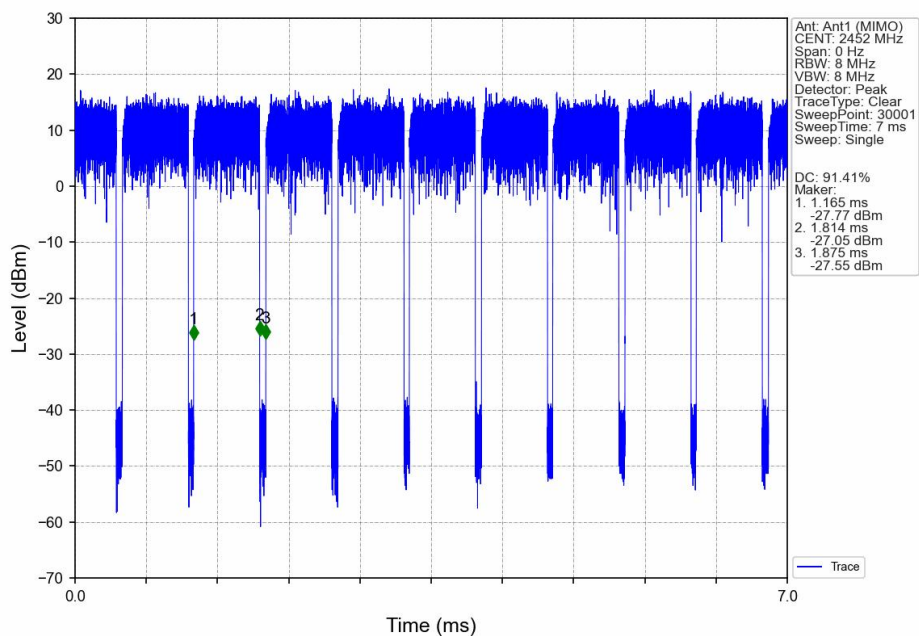
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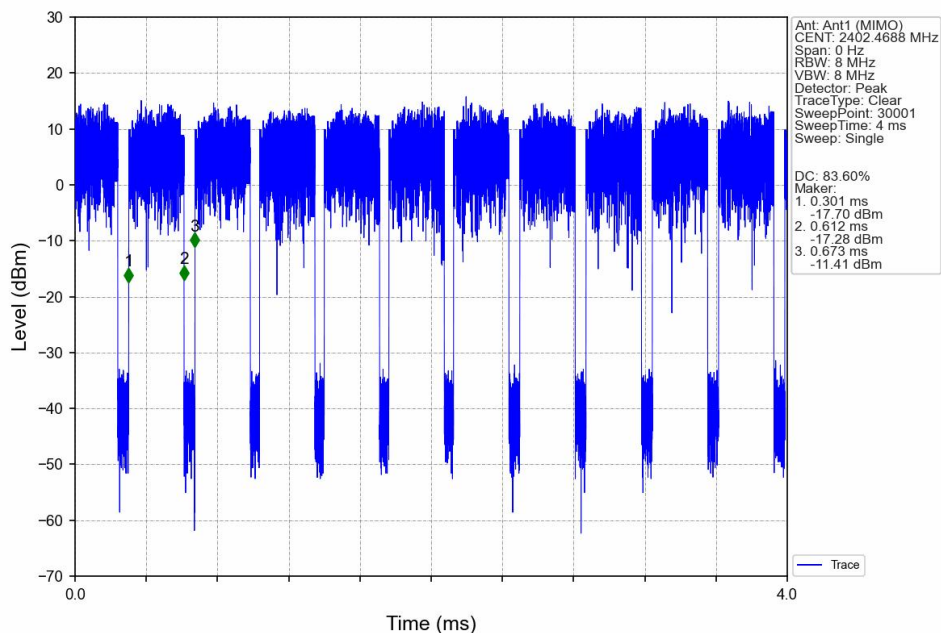
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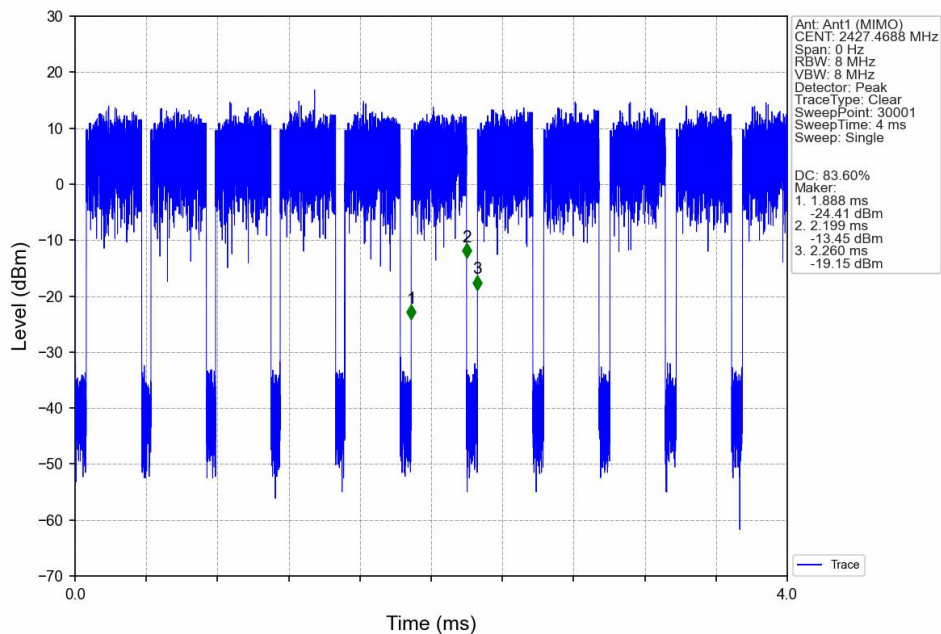
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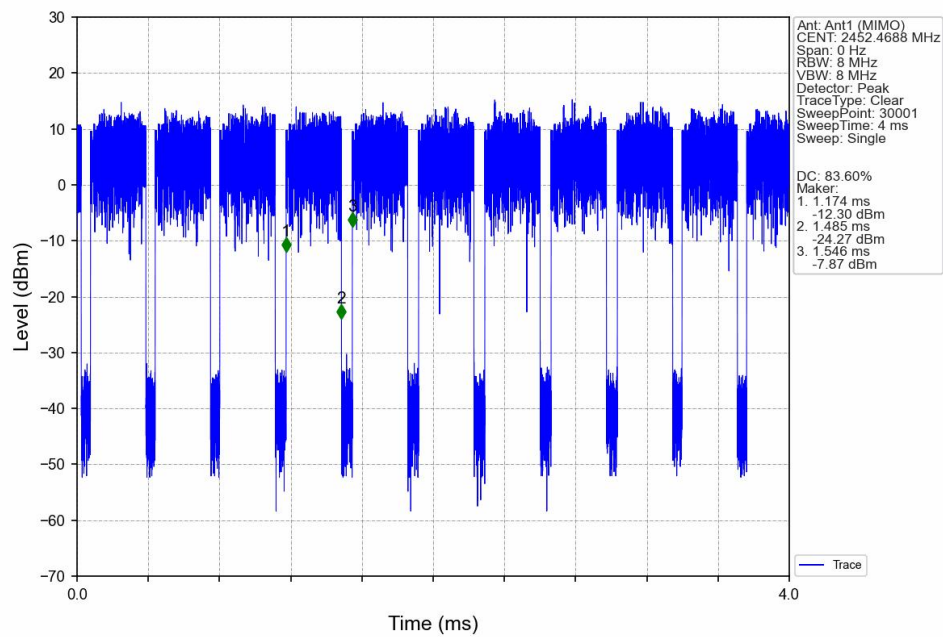
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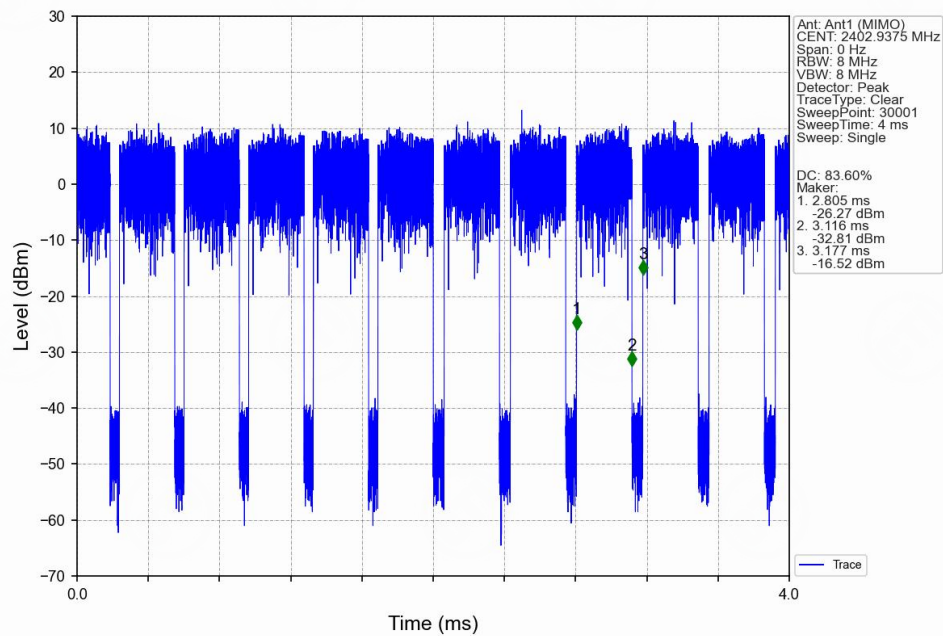
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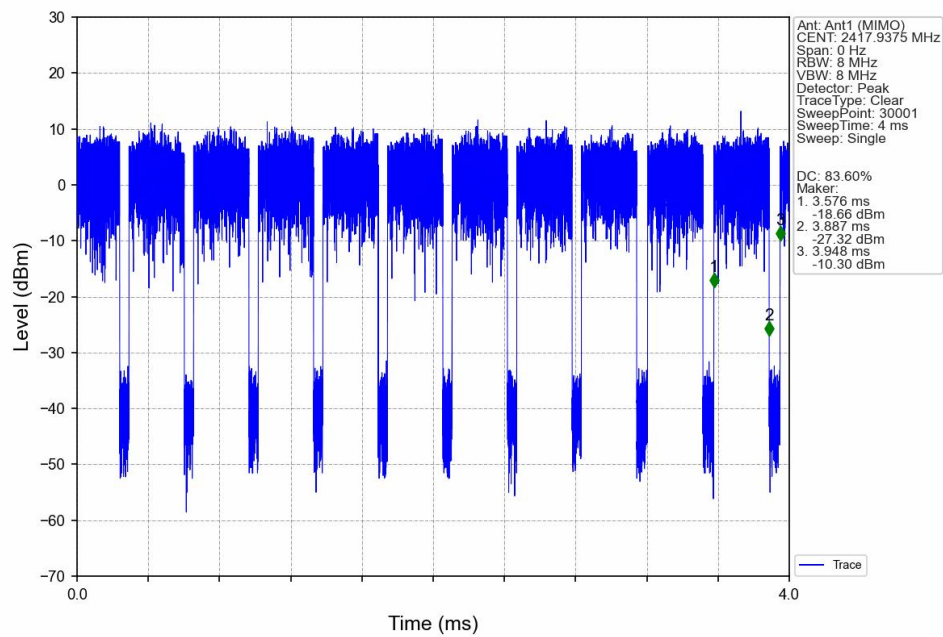
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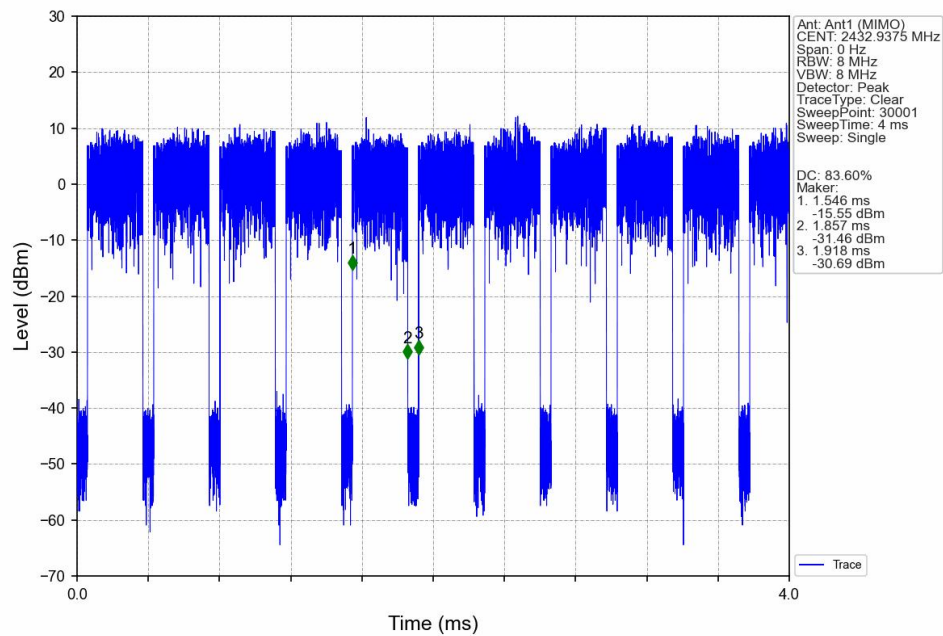
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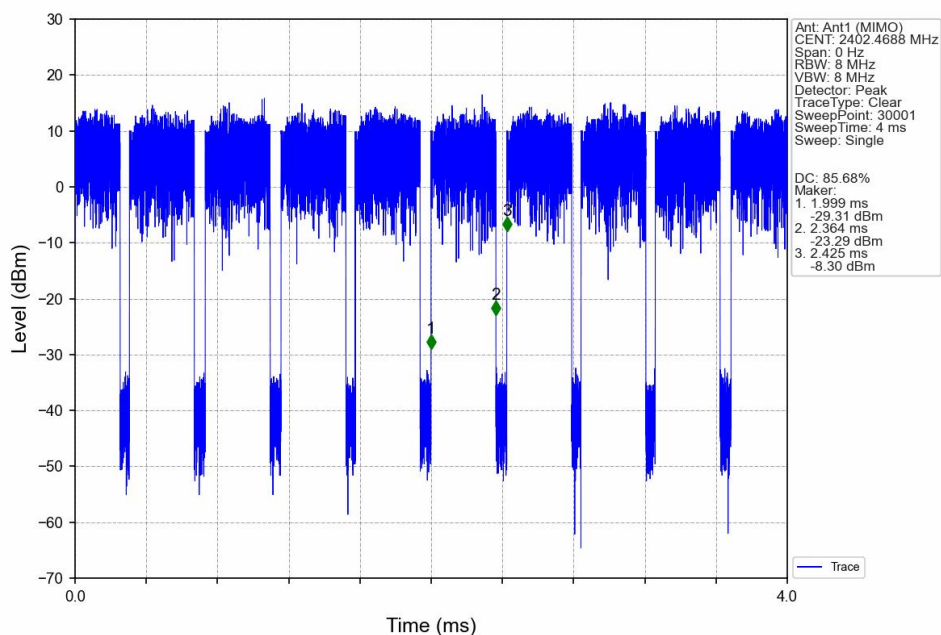
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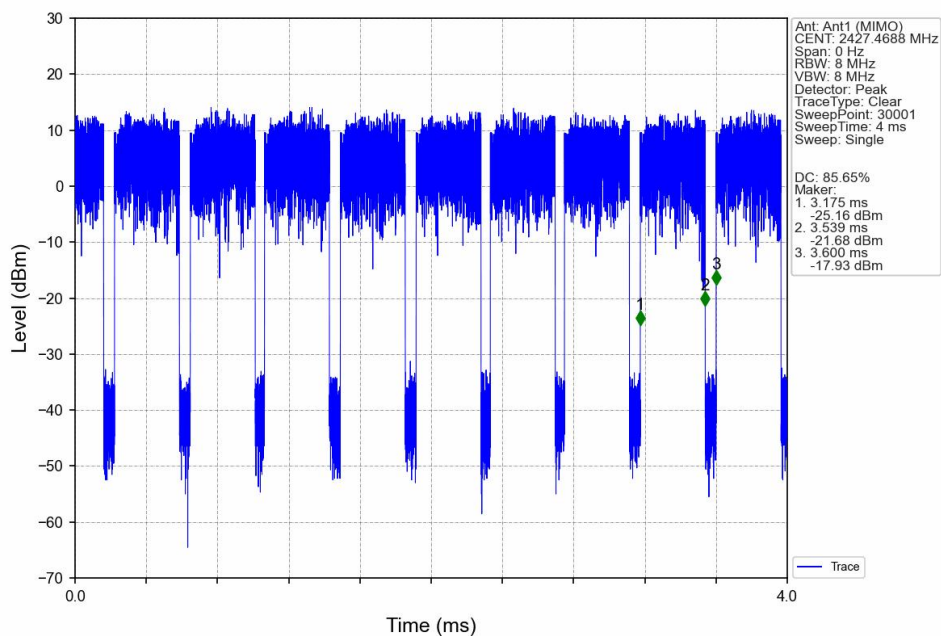
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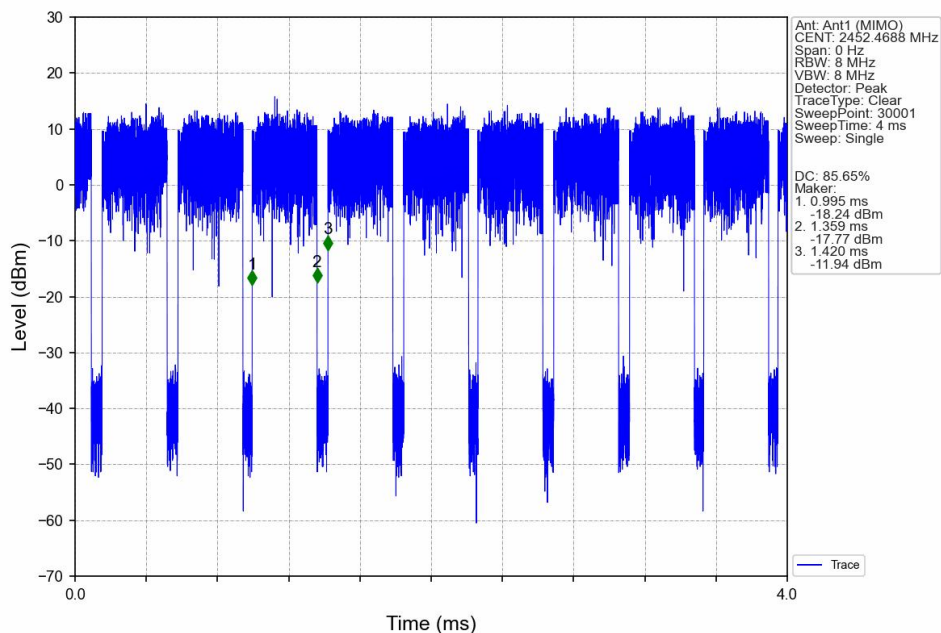
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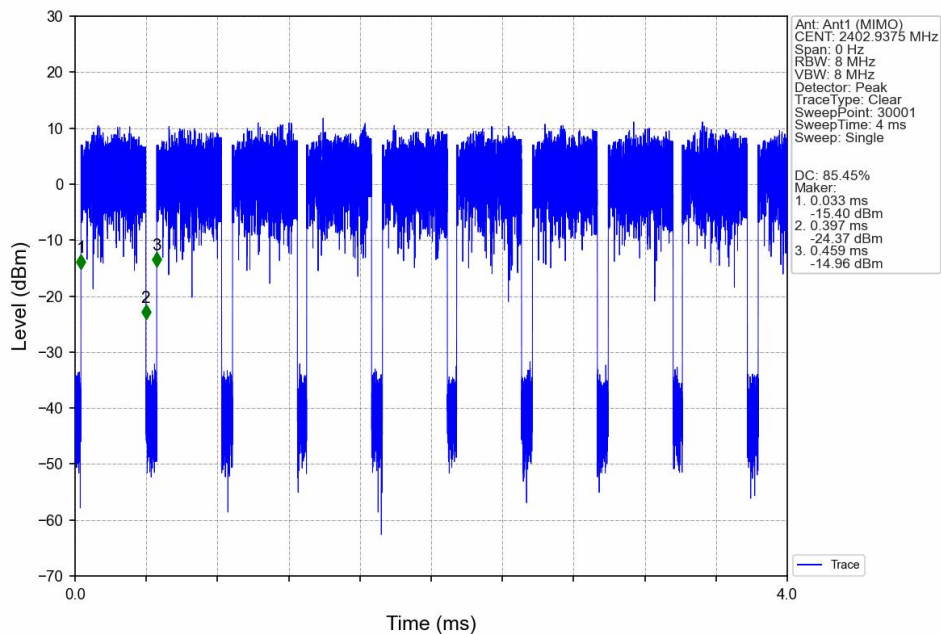
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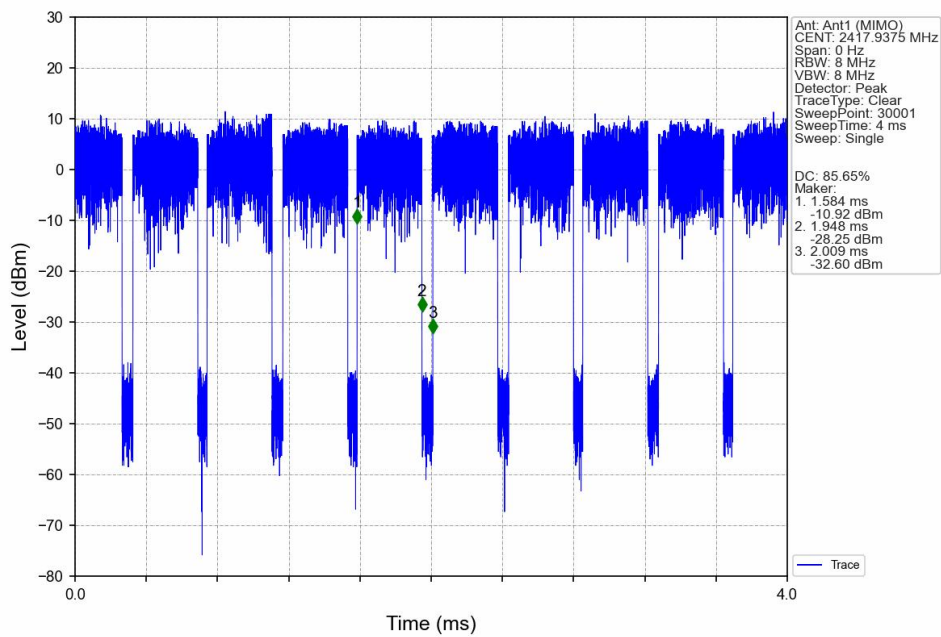
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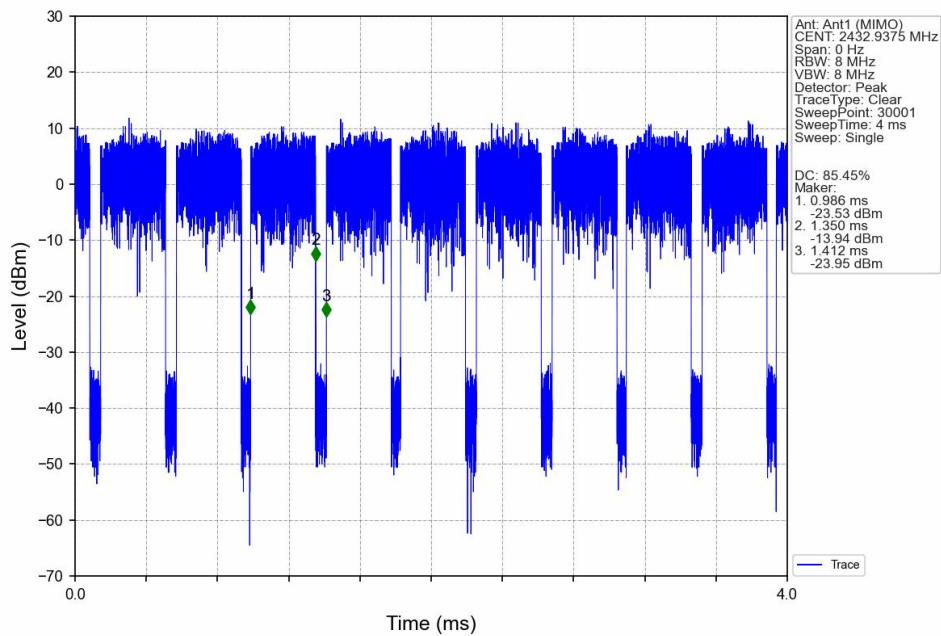
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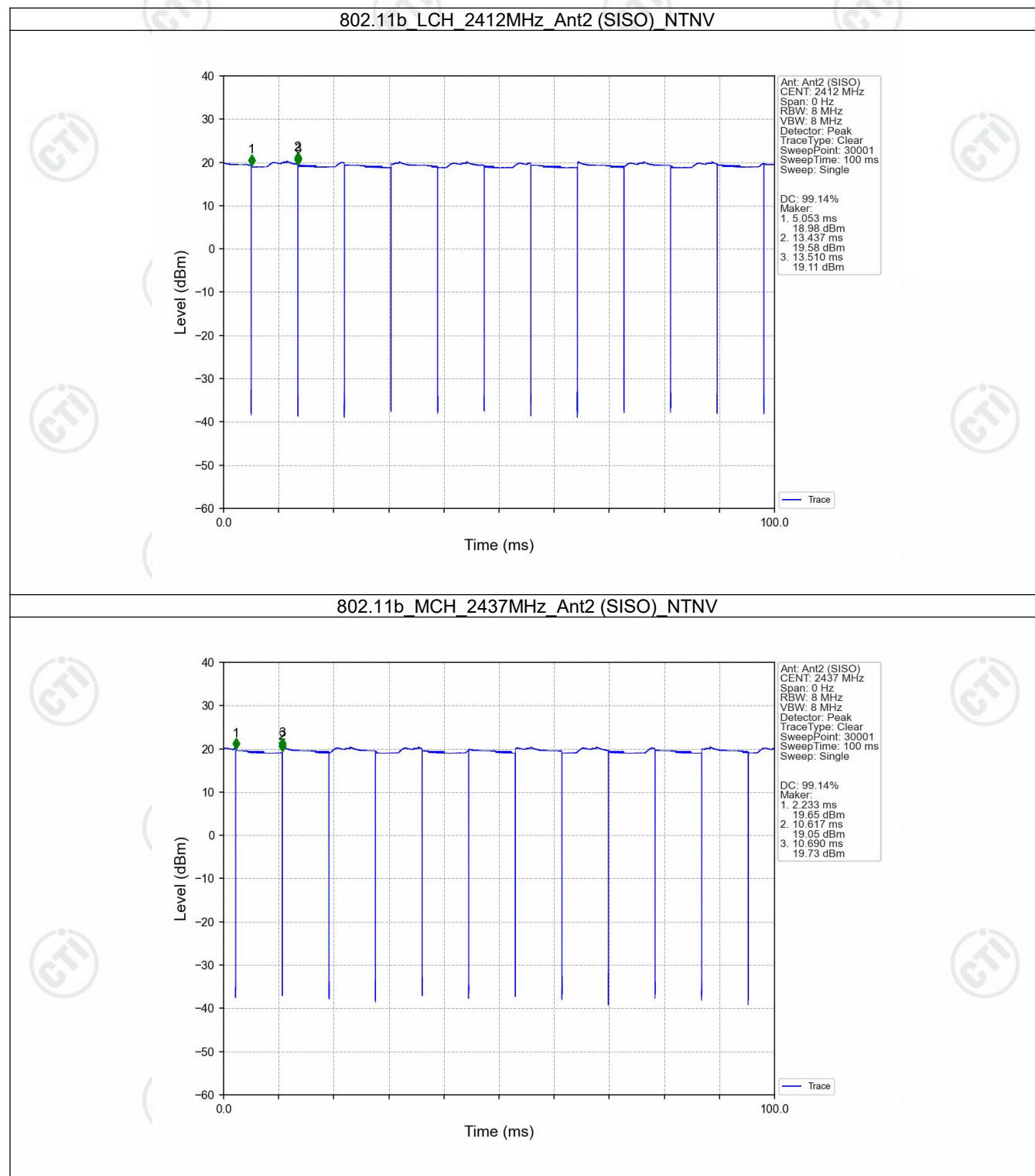
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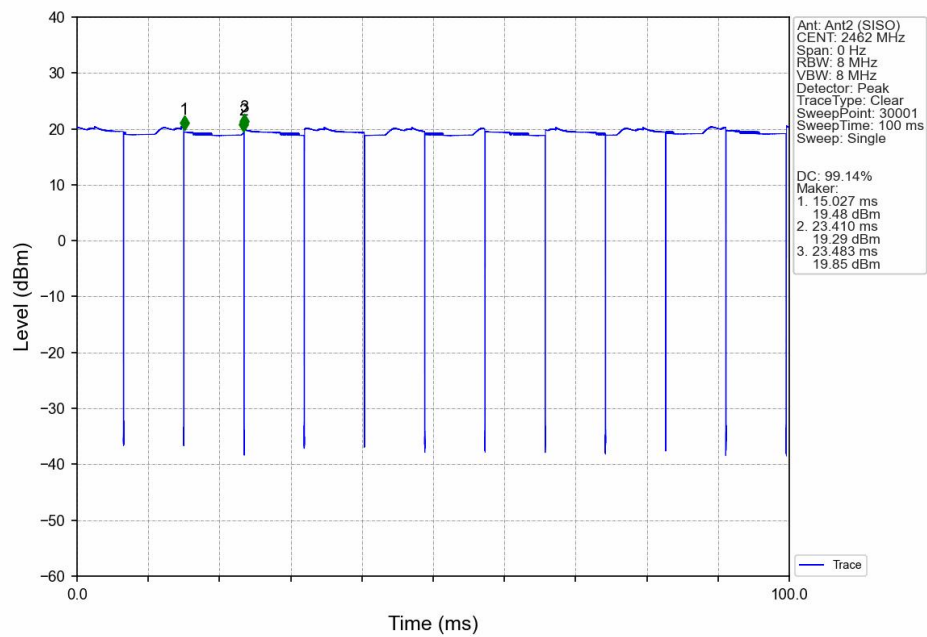
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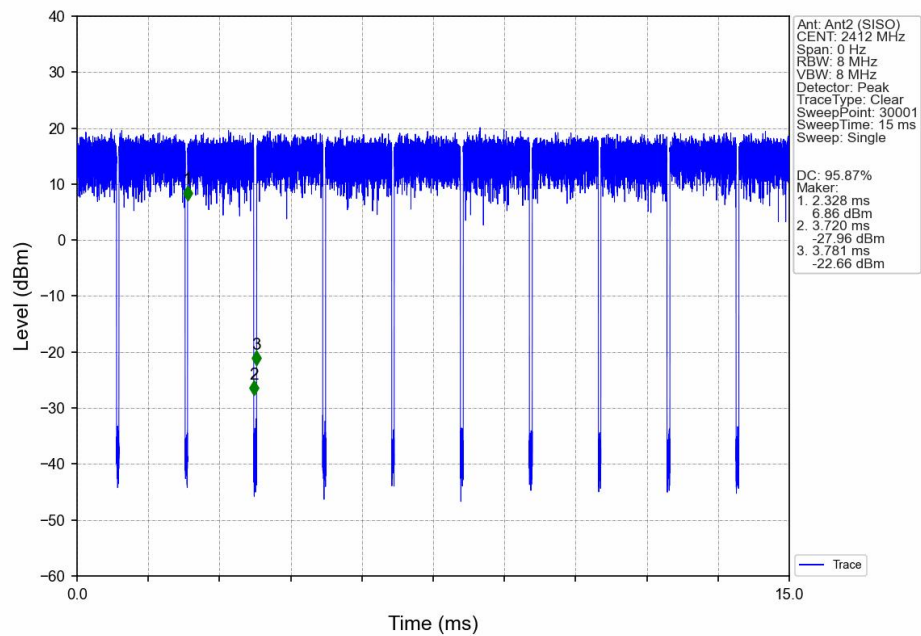
1.2.2 Ant2



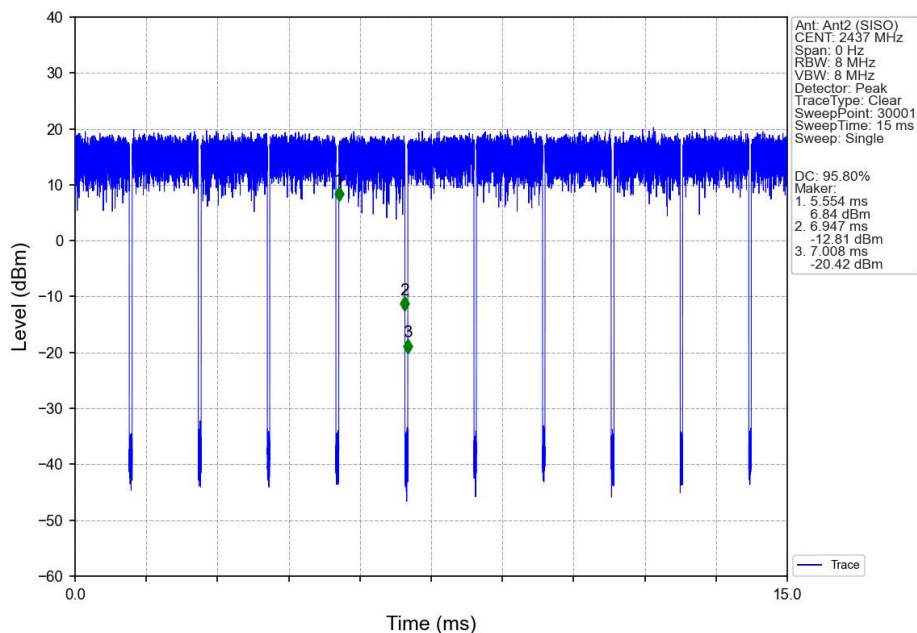
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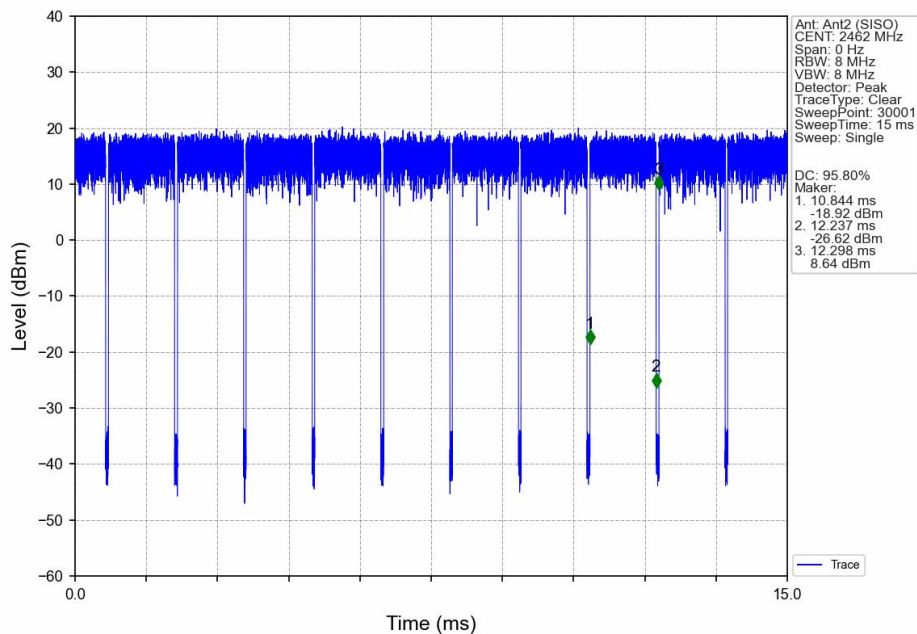
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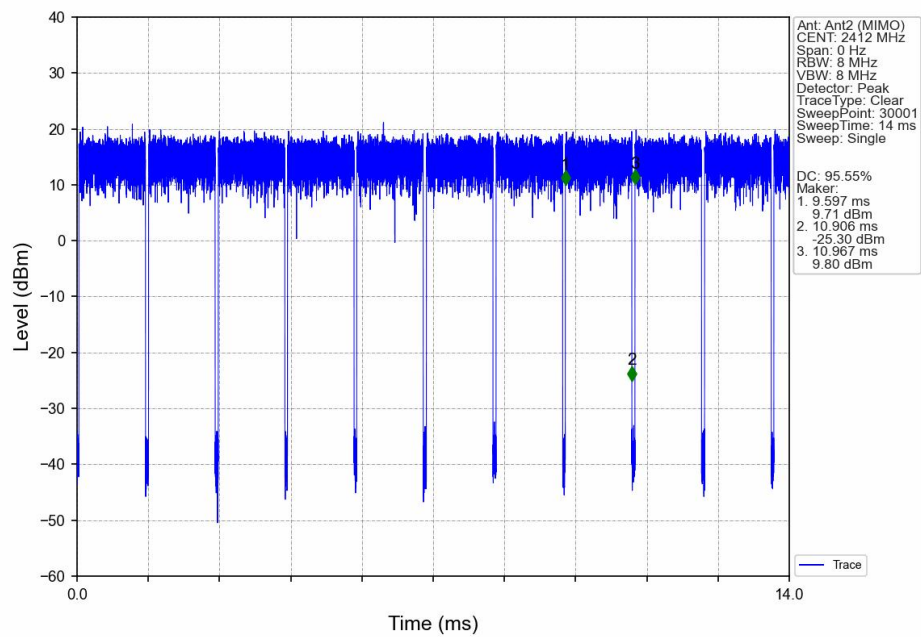
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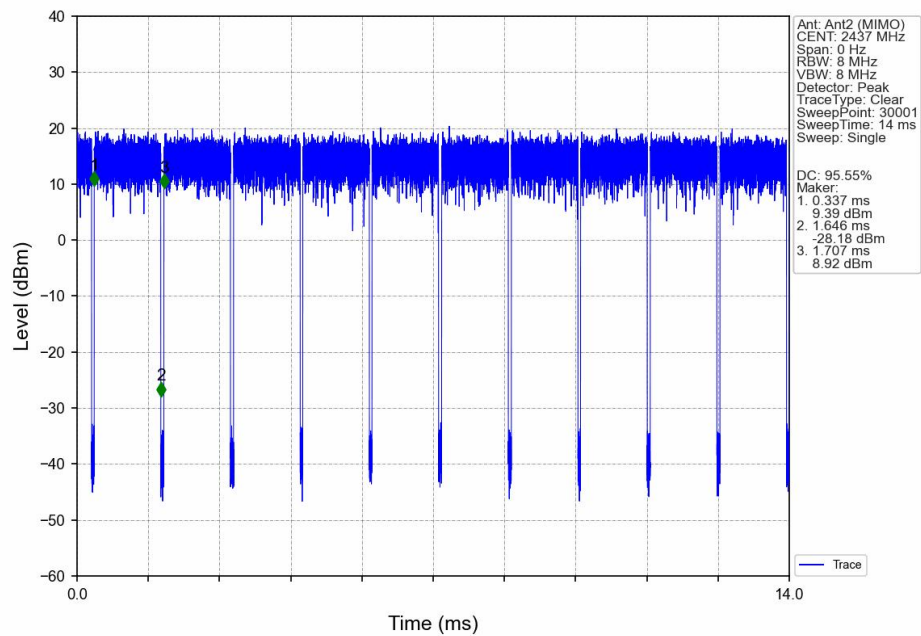
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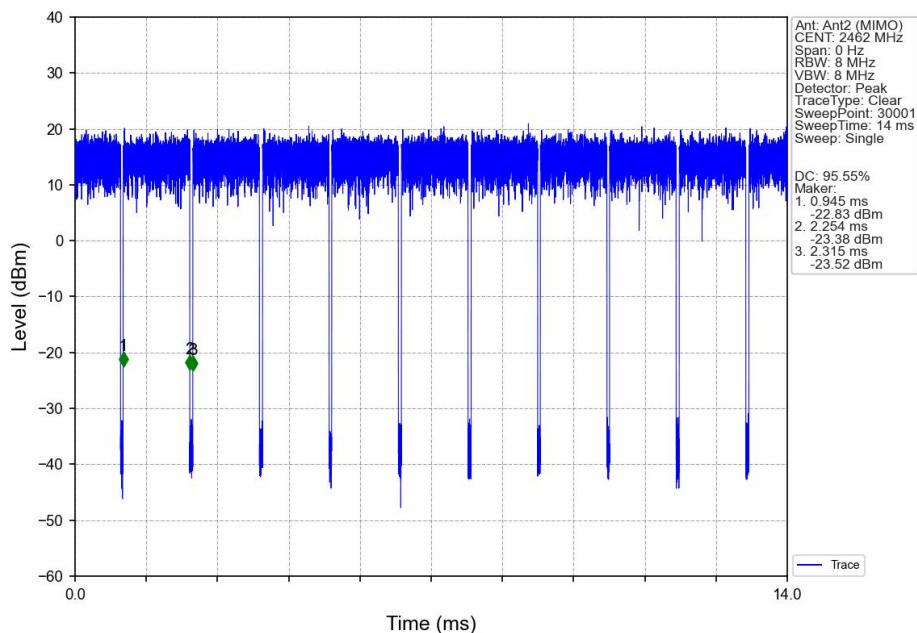
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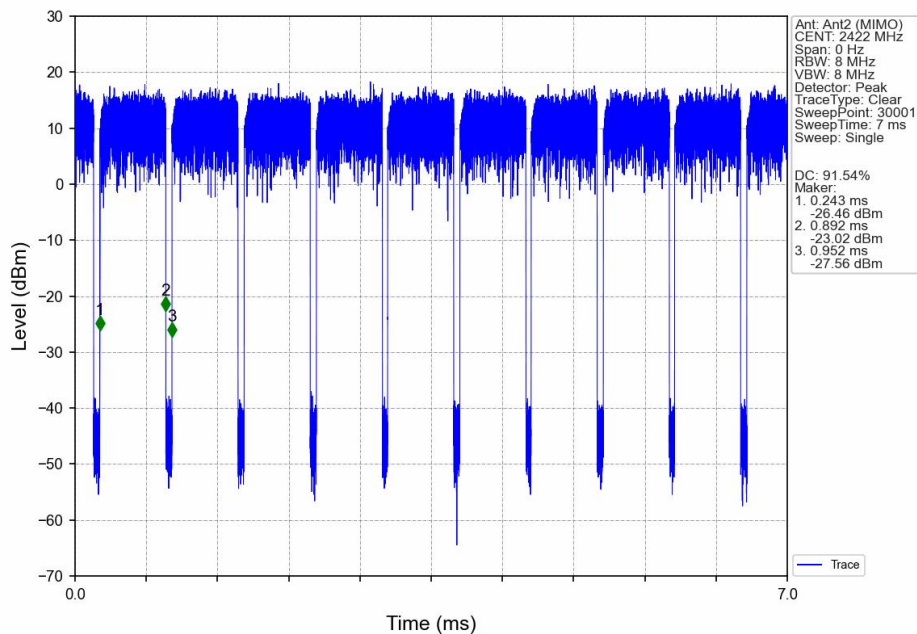
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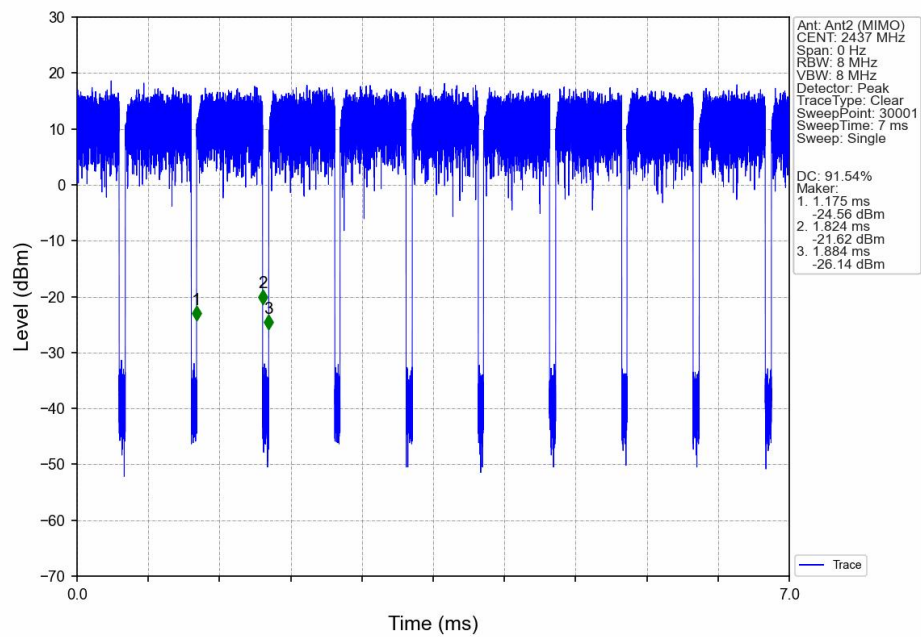
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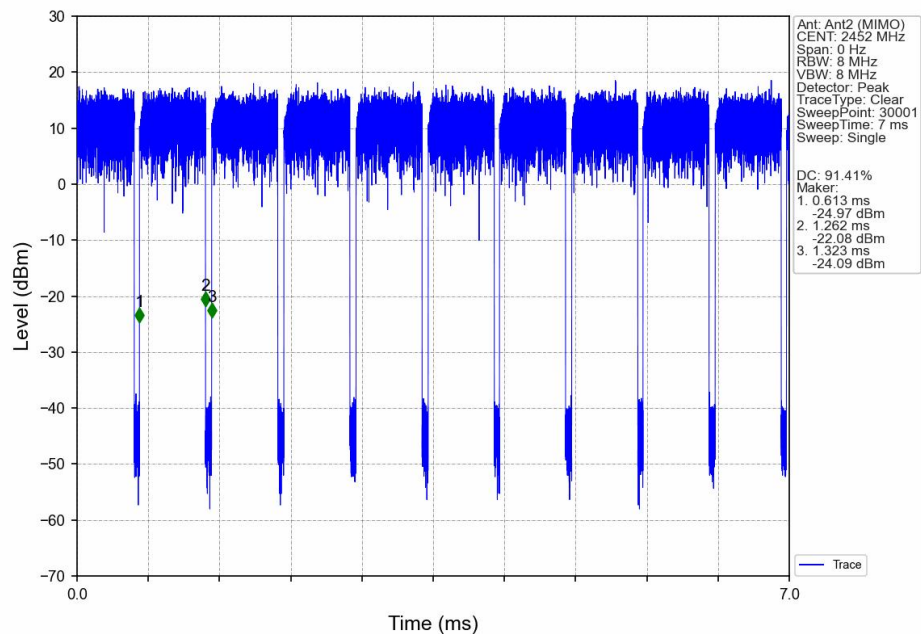
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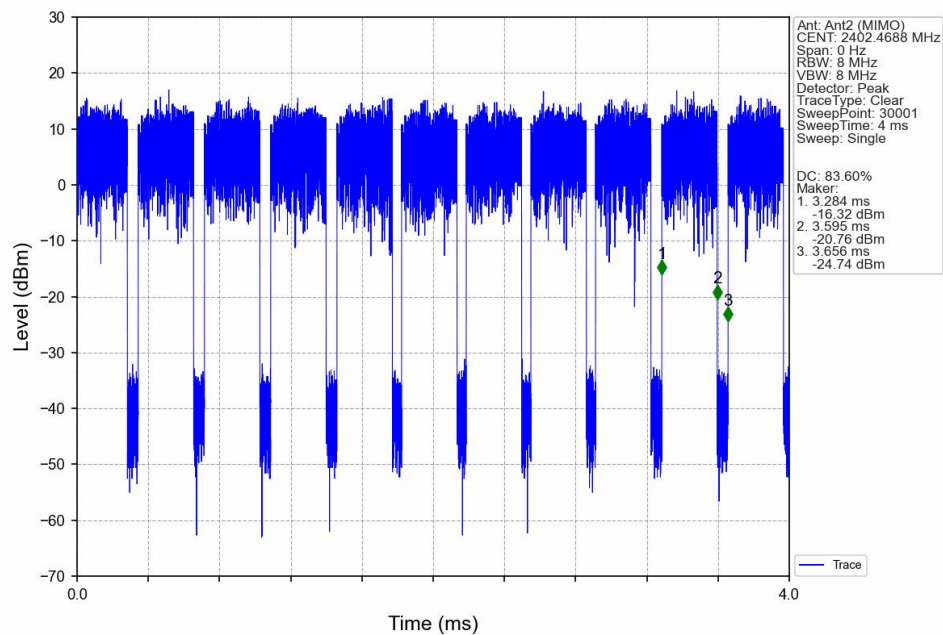
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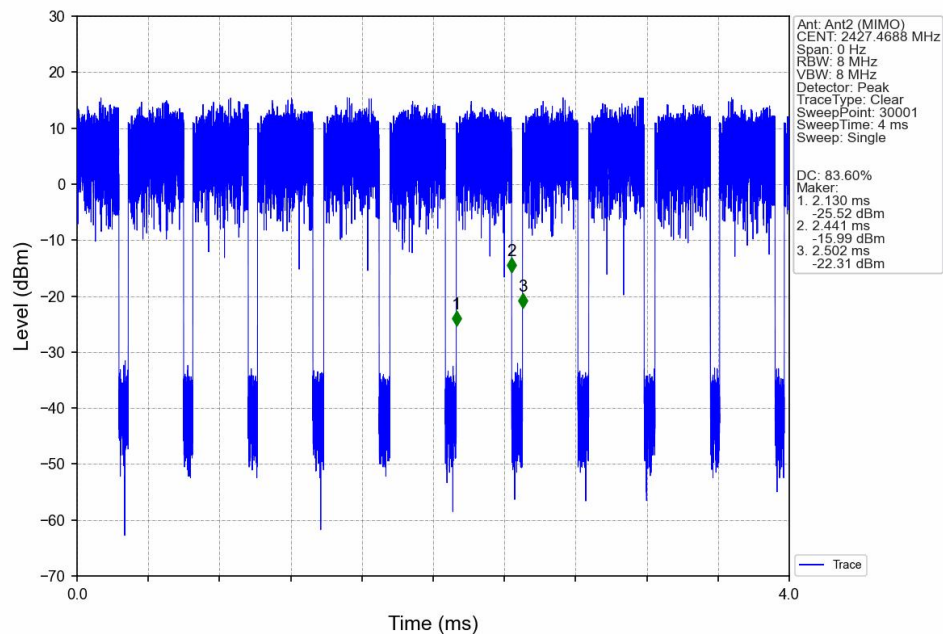
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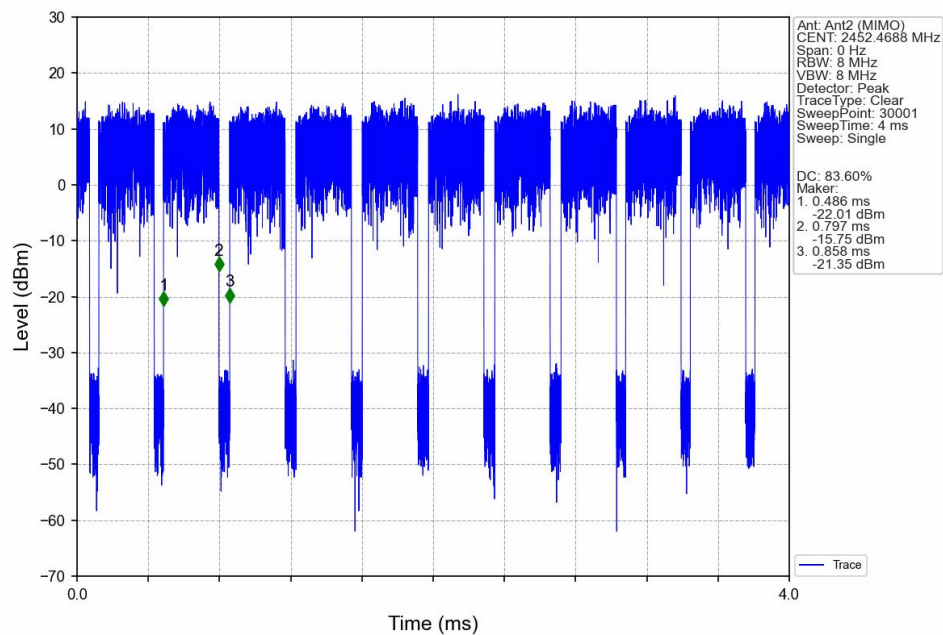
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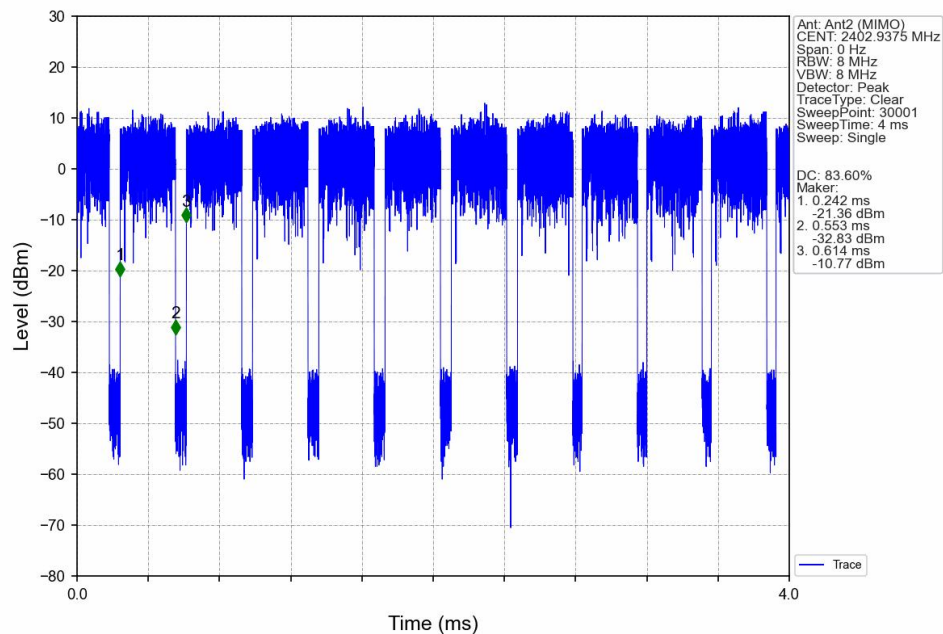
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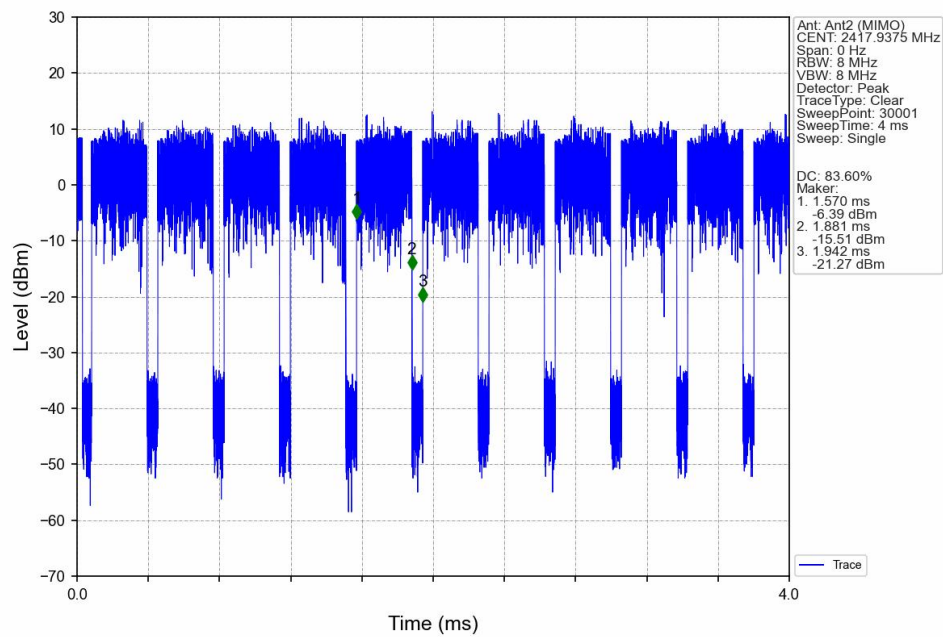
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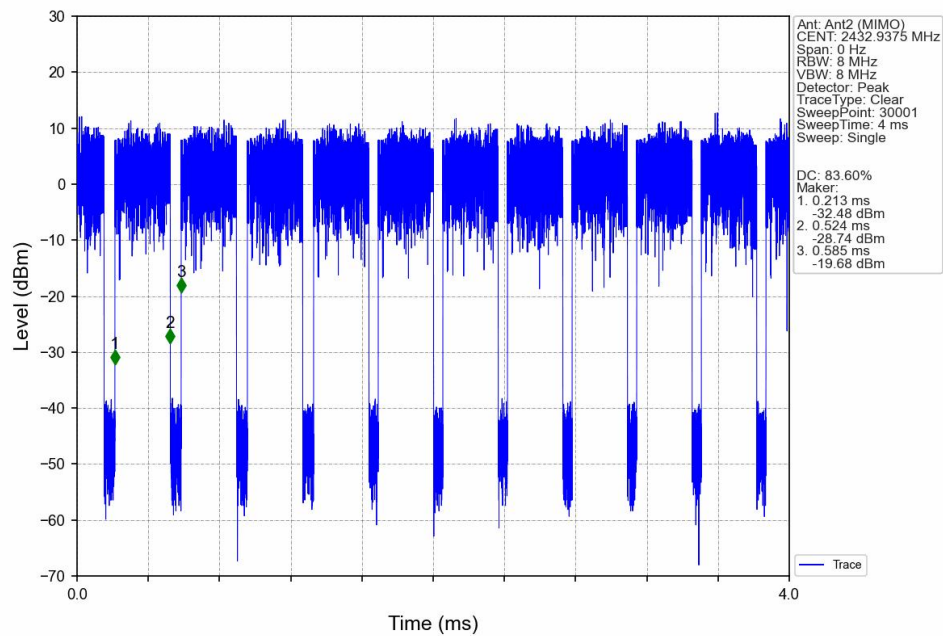
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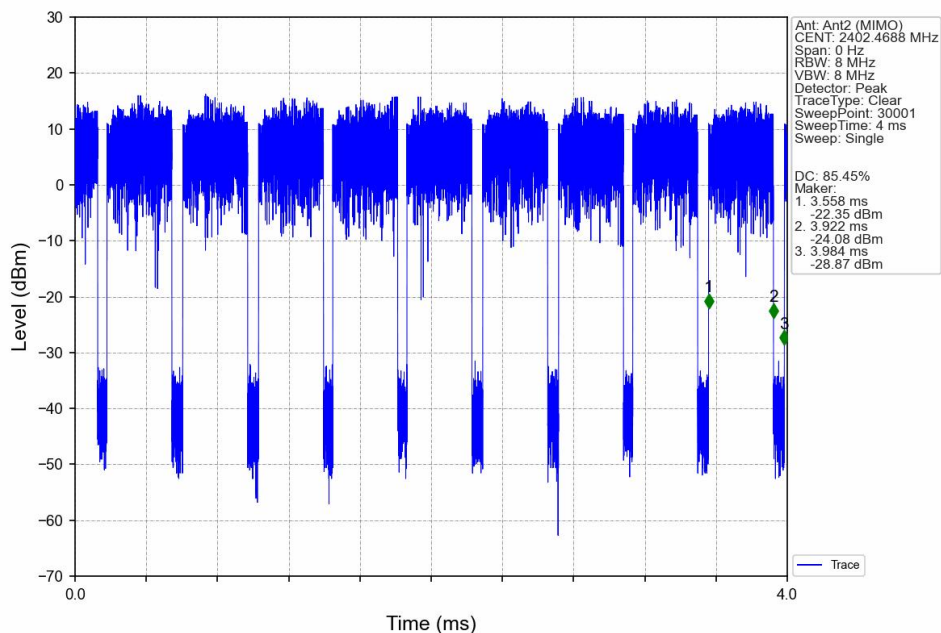
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802.11ax(HEW40)_HCH_2452MHz_SU_/_Ant2 (MIMO)_NTNV



802.11be(EHT20)_LCH_2412MHz_SU_ / _Ant2 (MIMO)_NTNV



802.11be(EHT20)_MCH_2437MHz_SU_ / _Ant2 (MIMO)_NTNV

