

Appendix A for SHEM210200220201

1. Duty Cycle

1.1 Test Result

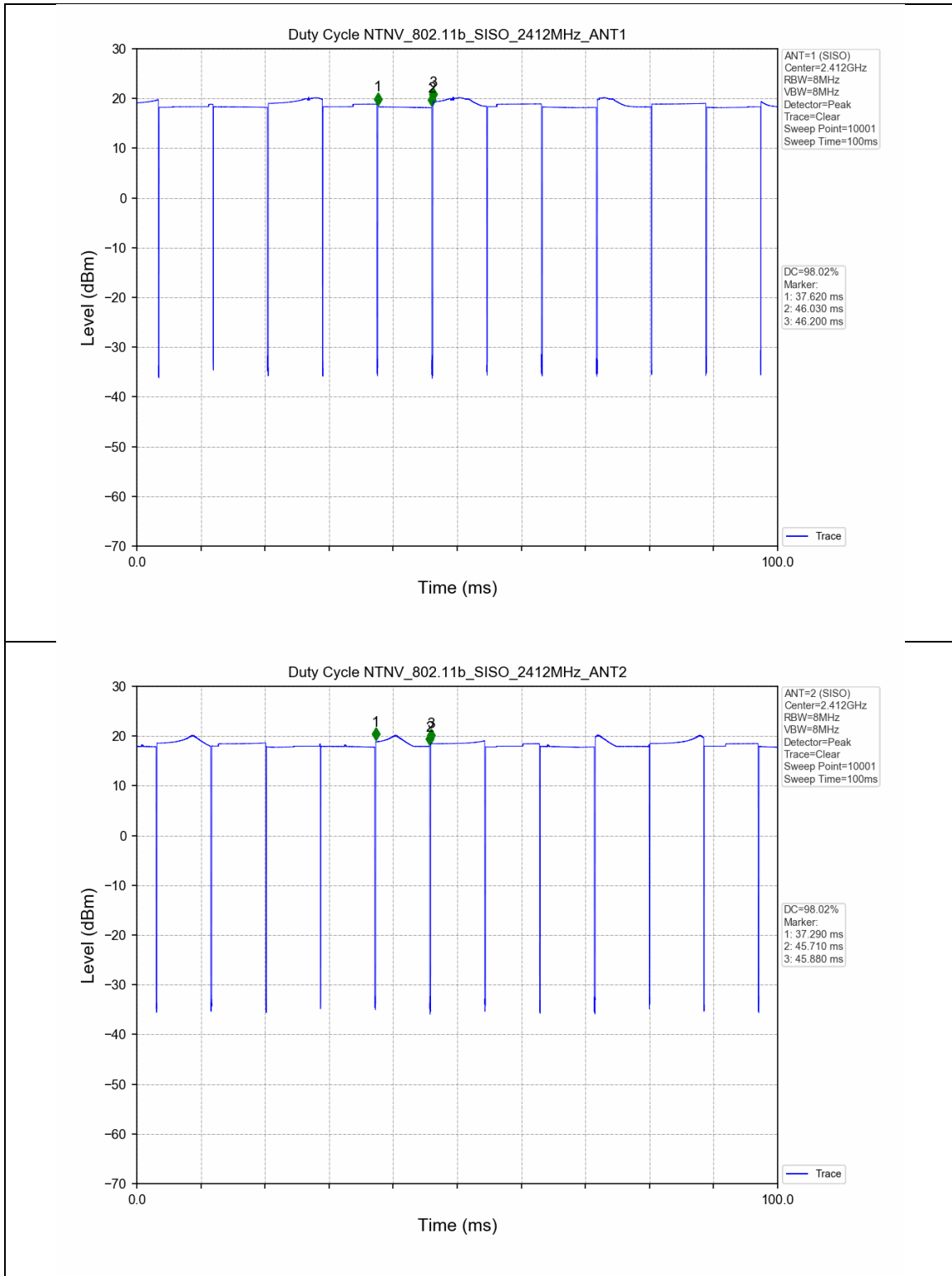
Test Mode	Channel Frequency(M Hz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	8.410	8.580	98.02	0.09
			2	8.420	8.590	98.02	0.09
	2437	SISO	1	8.410	8.580	98.02	0.09
			2	8.420	8.590	98.02	0.09
	2462	SISO	1	8.420	8.570	98.25	0.08
			2	8.410	8.580	98.02	0.09
802.11g	2412	SISO	1	1.365	1.522	89.68	0.47
			2	1.365	1.541	88.58	0.53
	2437	SISO	1	1.396	1.575	88.63	0.52
			2	1.395	1.574	88.63	0.52
	2462	SISO	1	1.395	1.537	90.76	0.42
			2	1.365	1.504	90.76	0.42
802.11n(HT20)	2412	MIMO	1	1.307	1.476	88.55	0.53
			2	1.307	1.476	88.55	0.53
	2437	MIMO	1	1.309	1.487	88.03	0.55
			2	1.307	1.478	88.43	0.53
	2462	MIMO	1	1.278	1.435	89.06	0.50
			2	1.282	1.449	88.47	0.53

1.2 Test Graph



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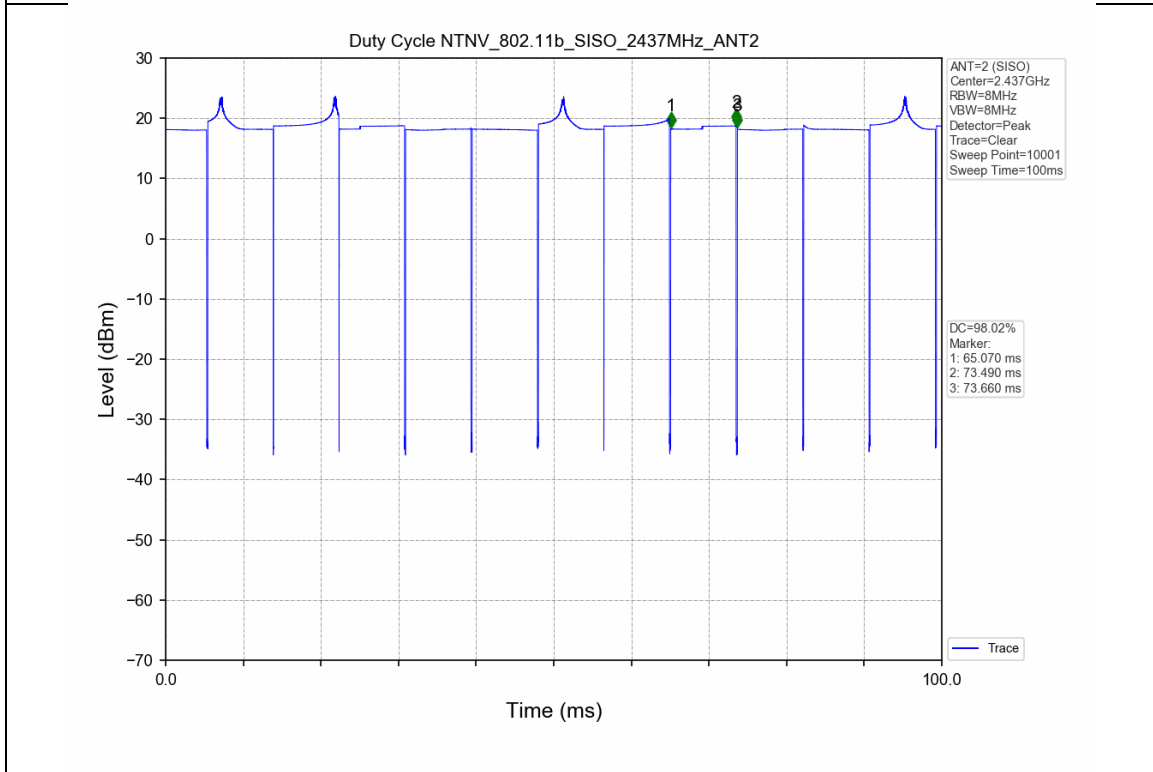
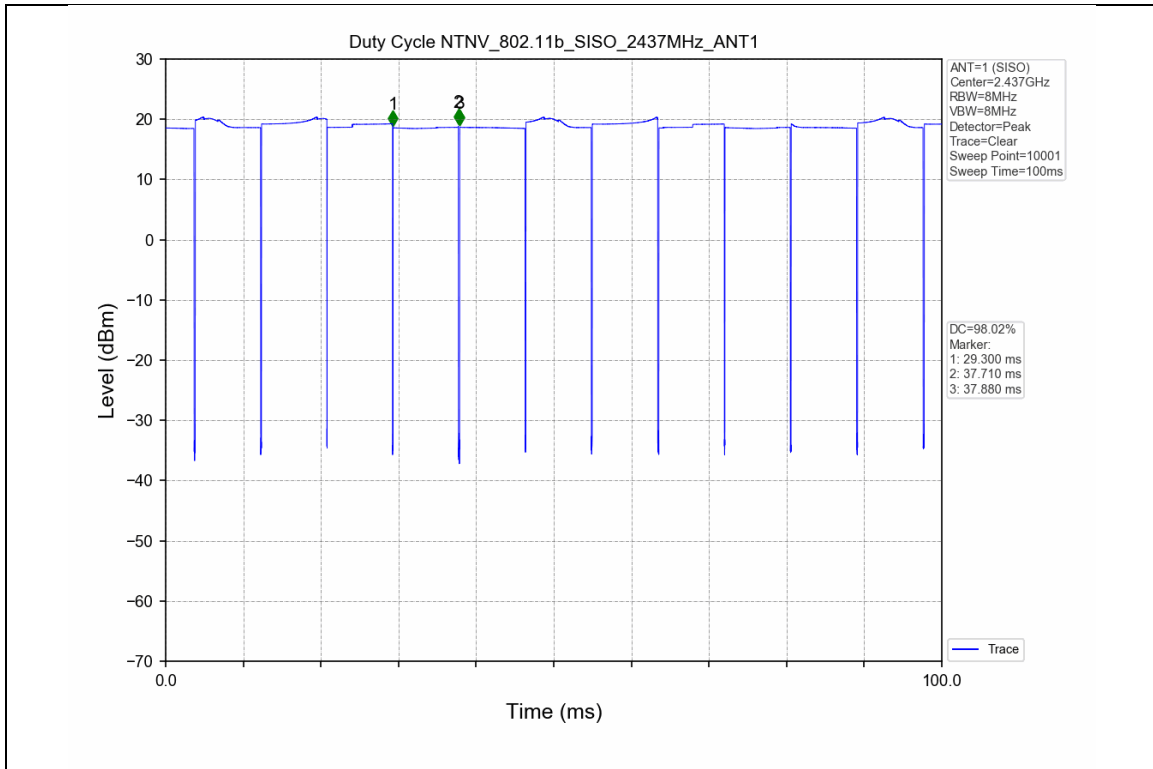


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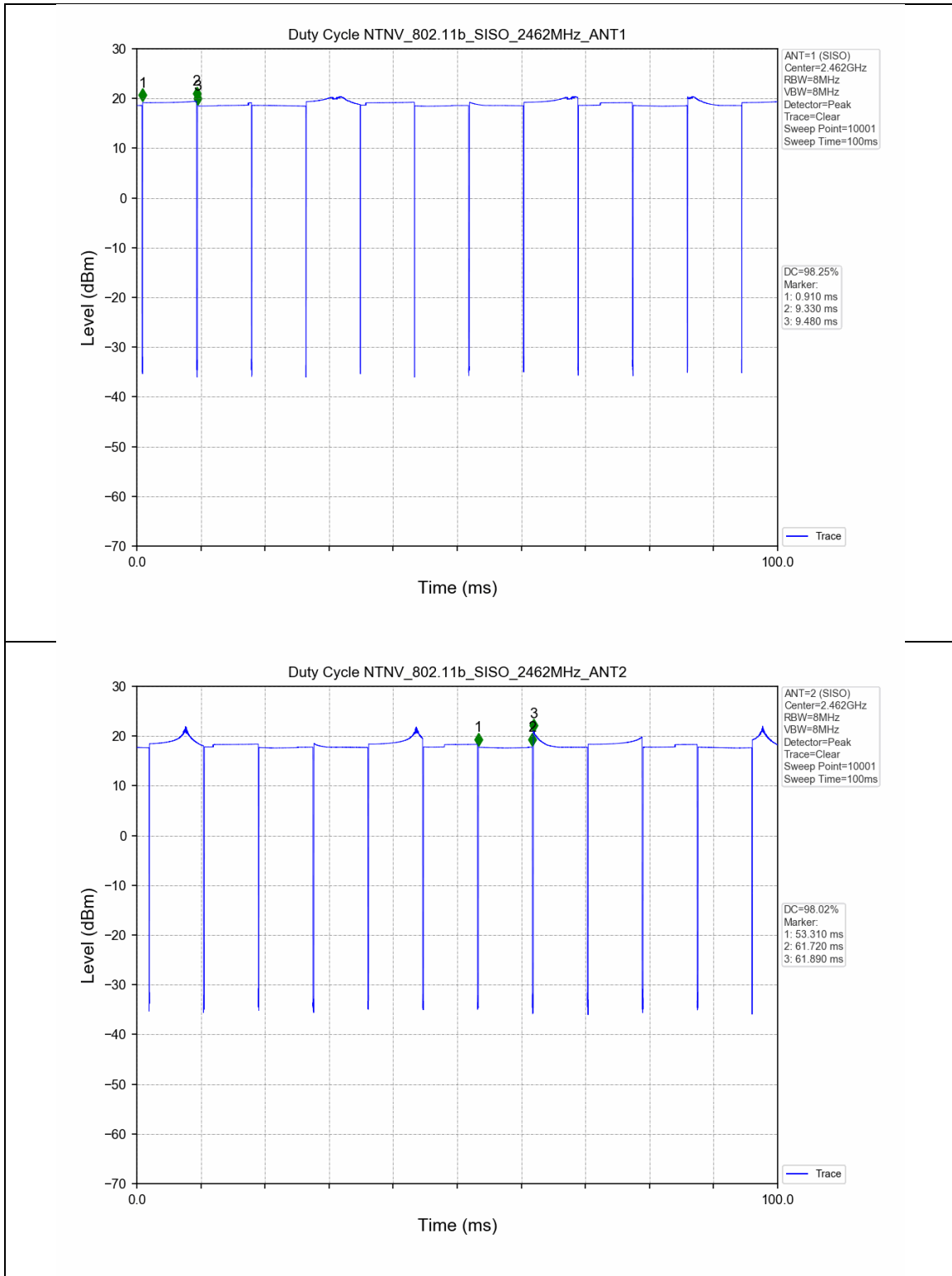
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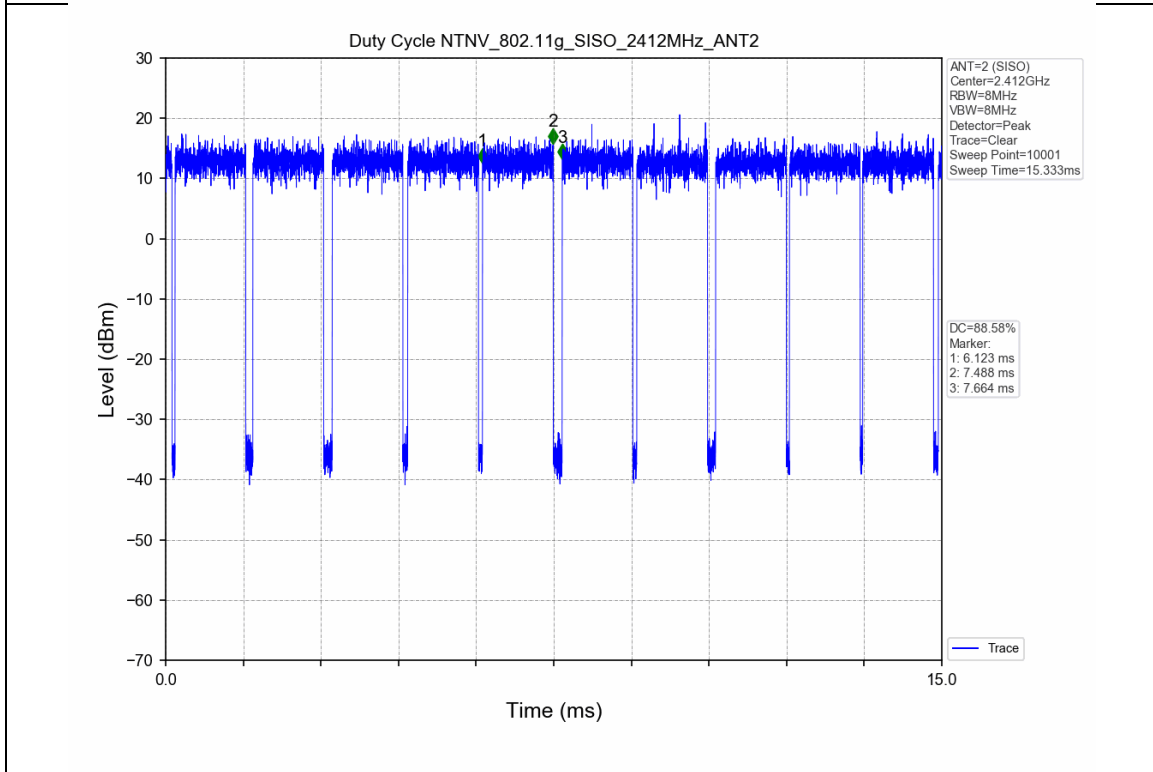
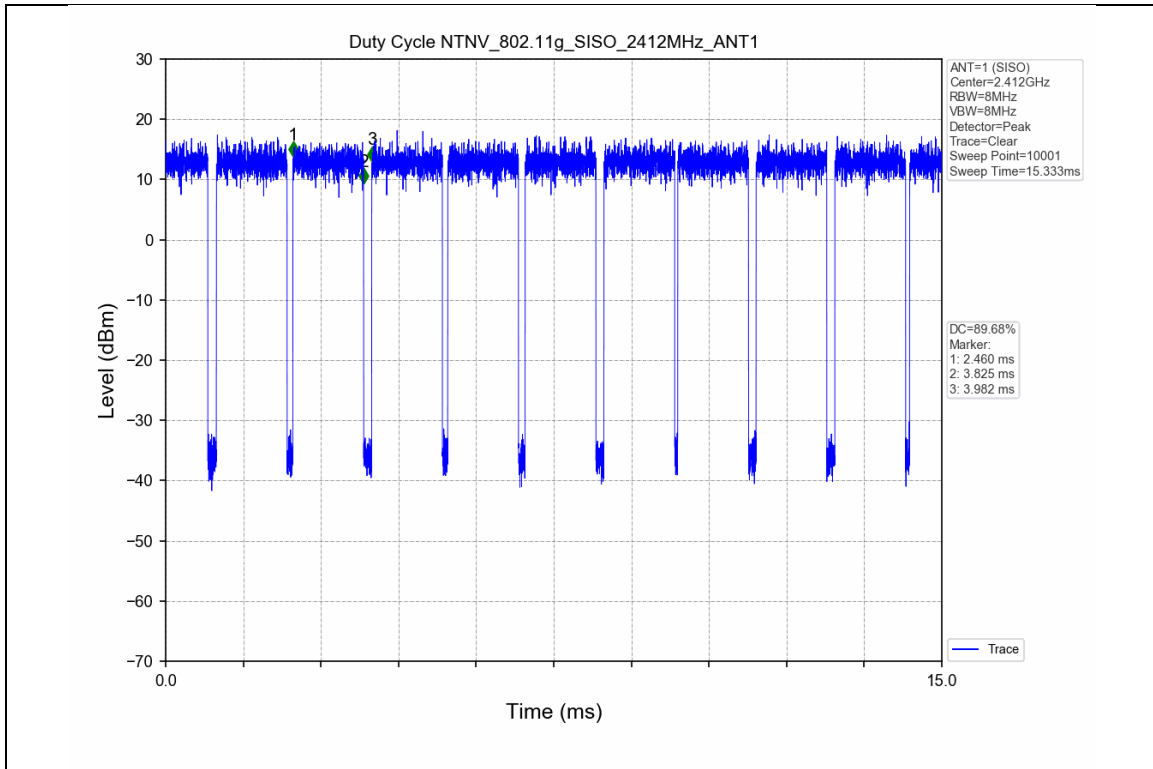
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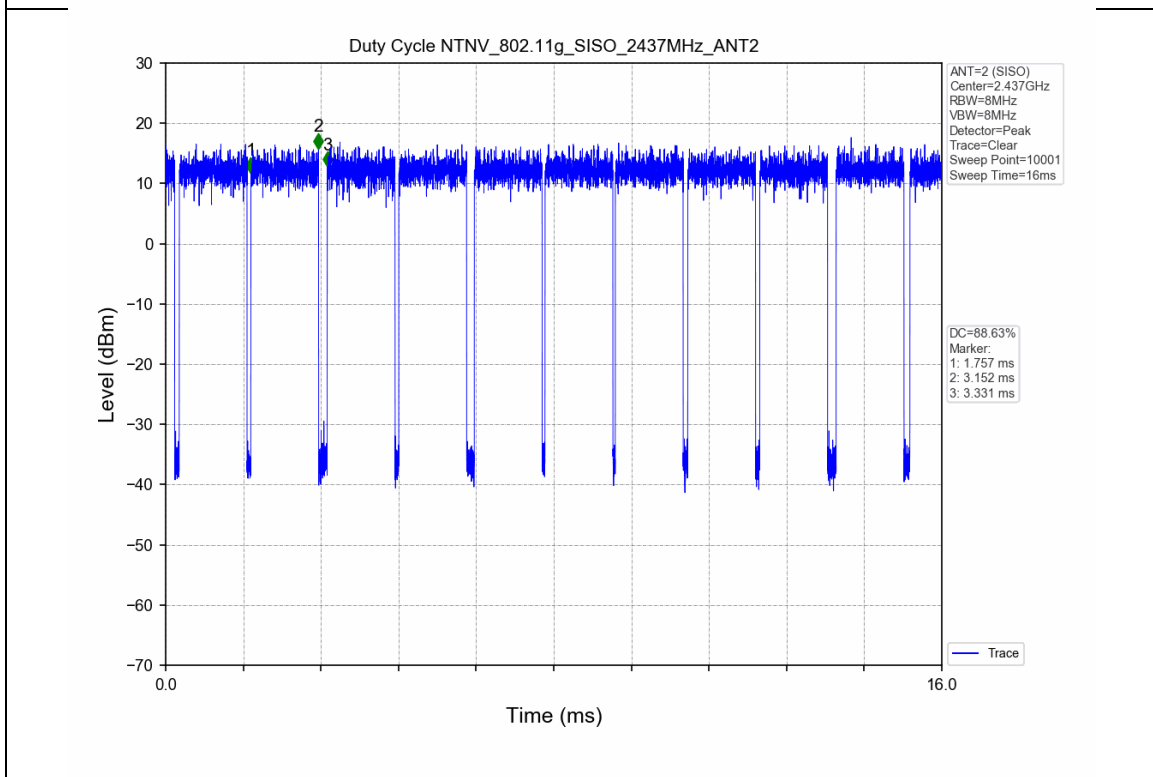
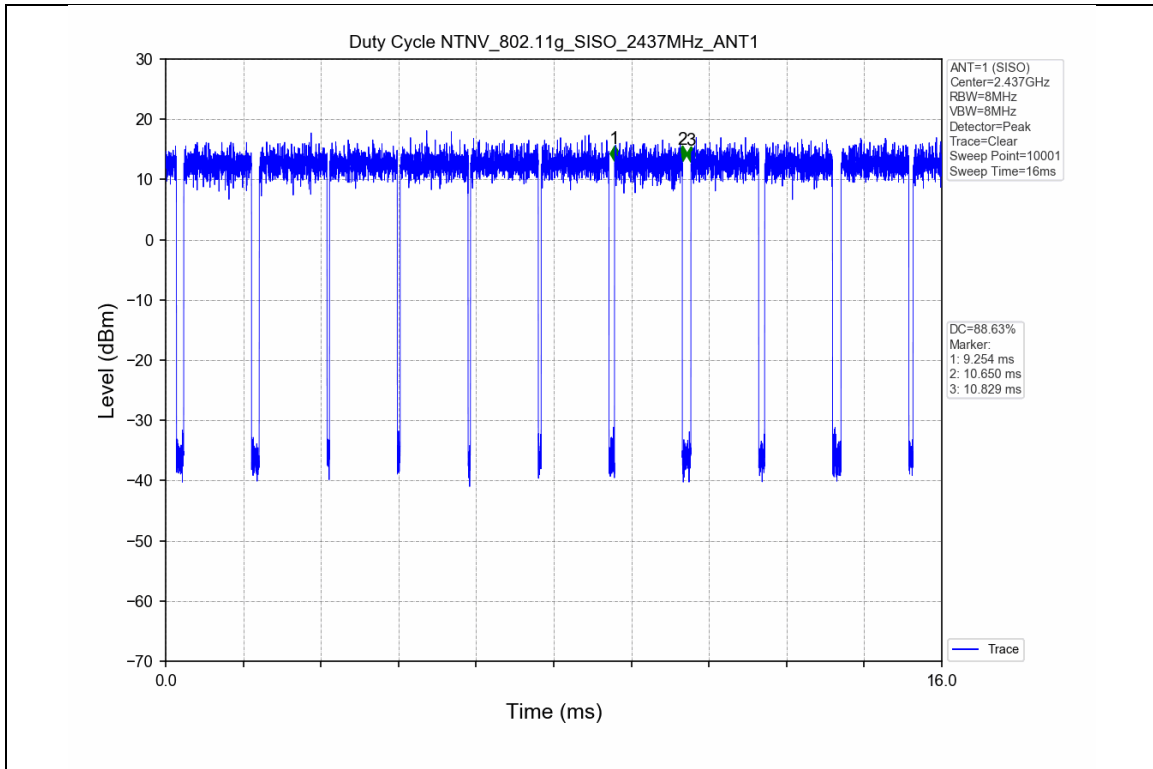
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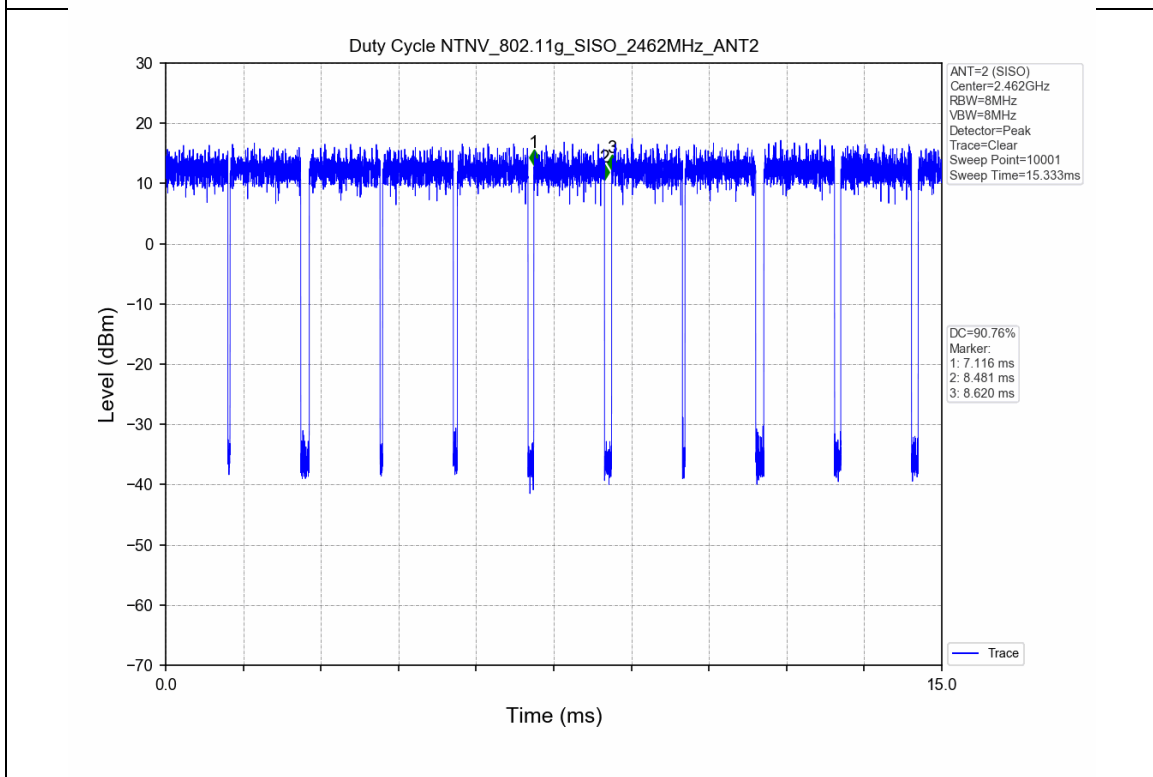
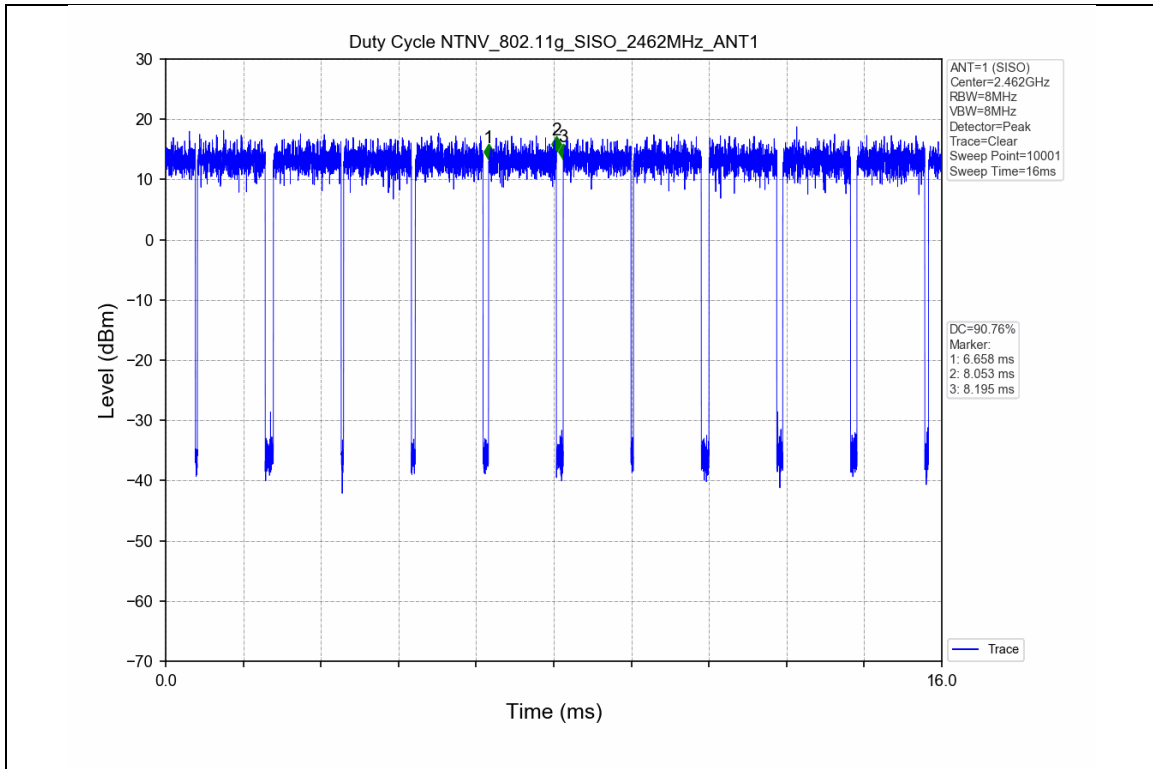
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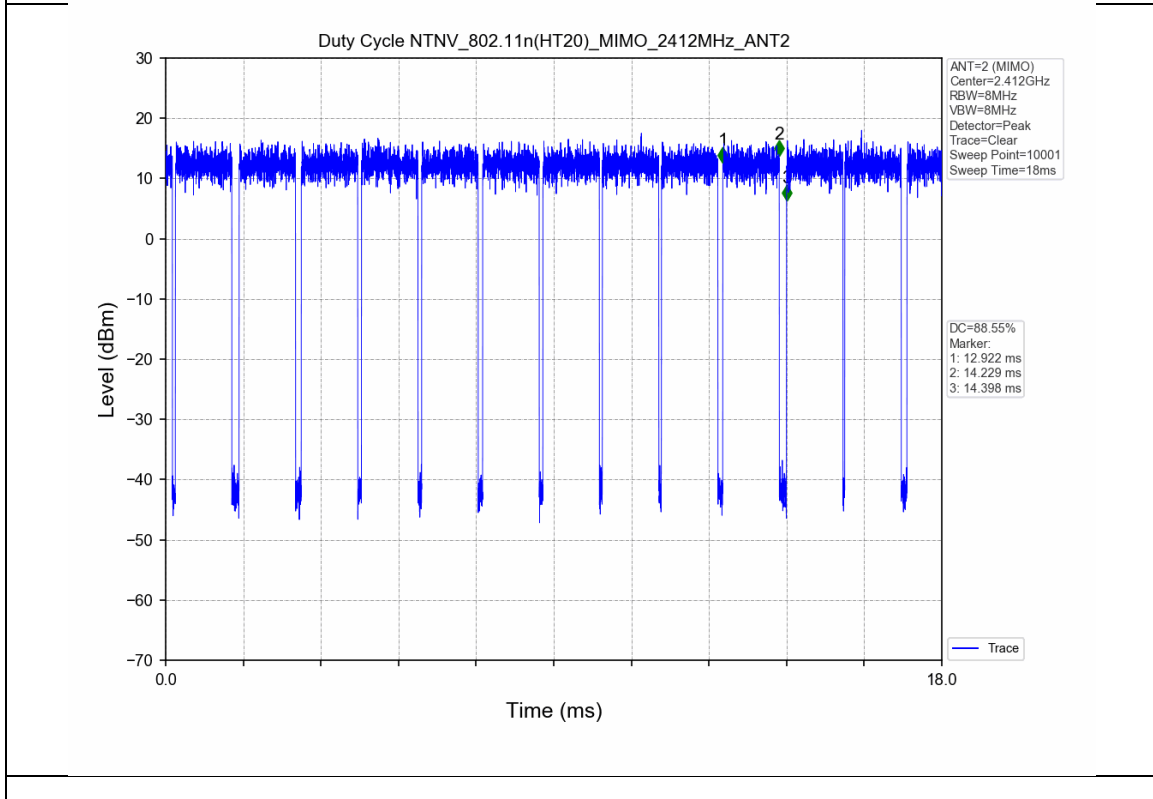
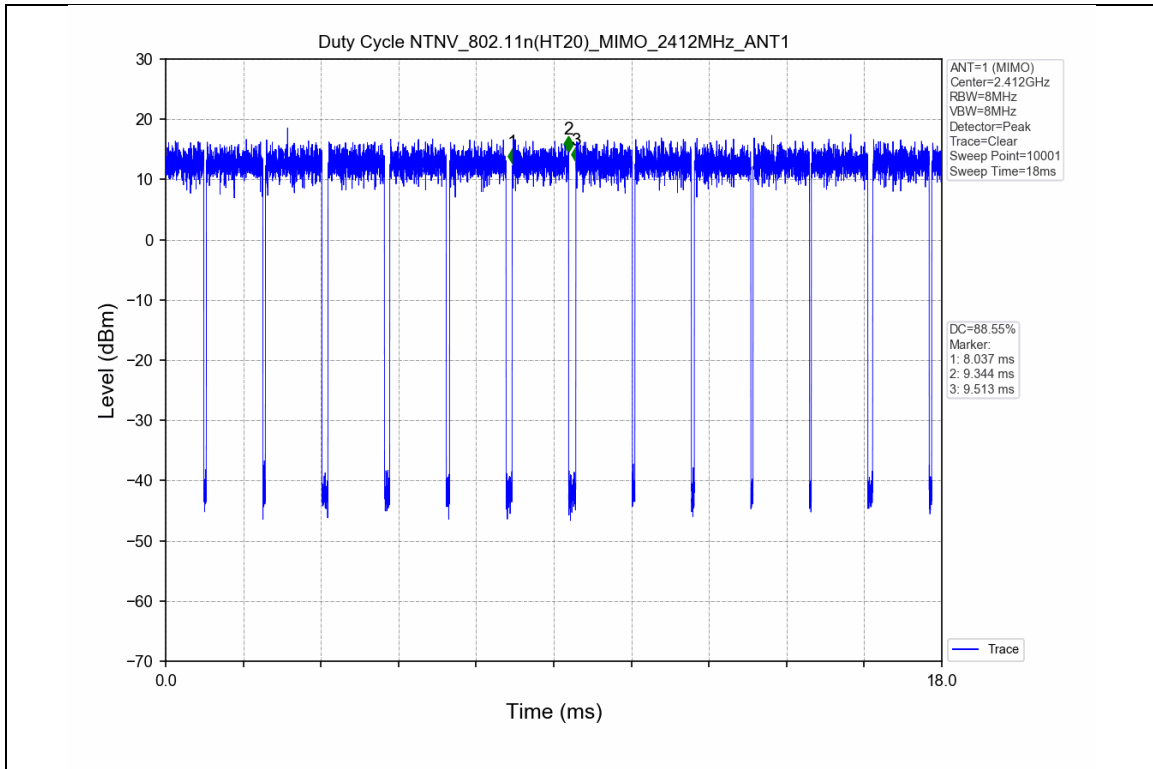
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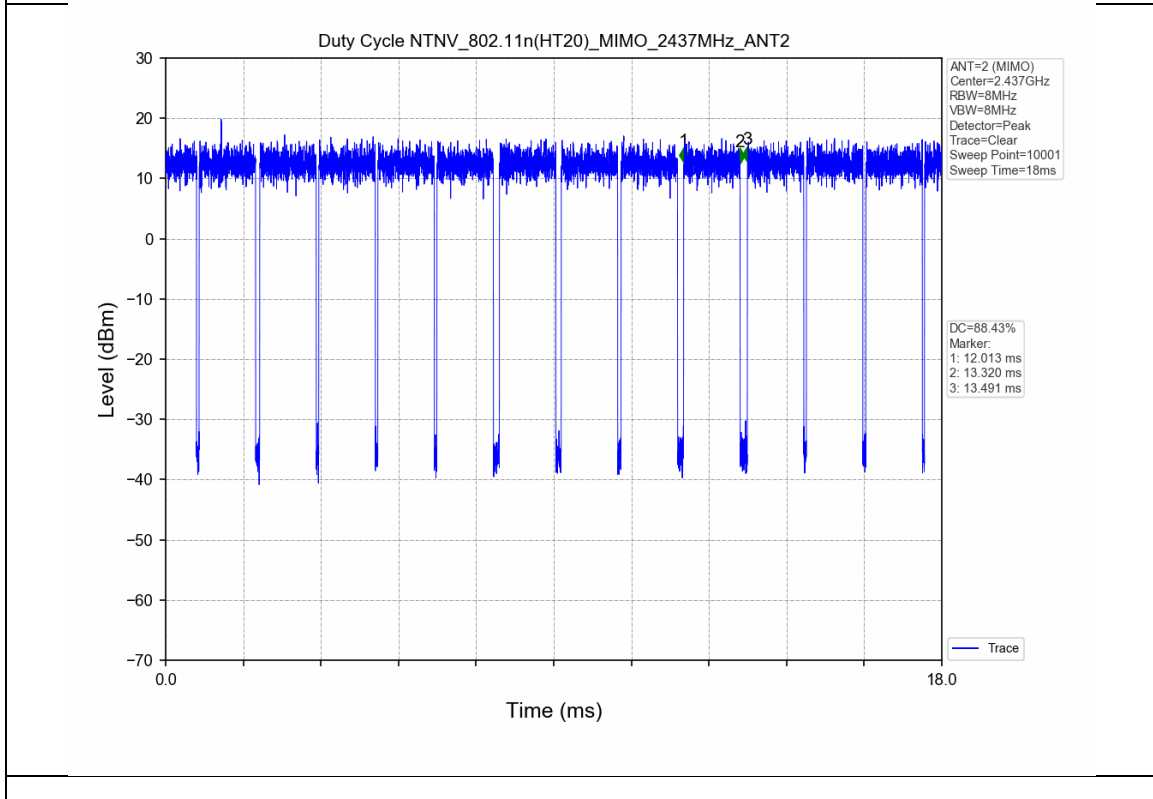
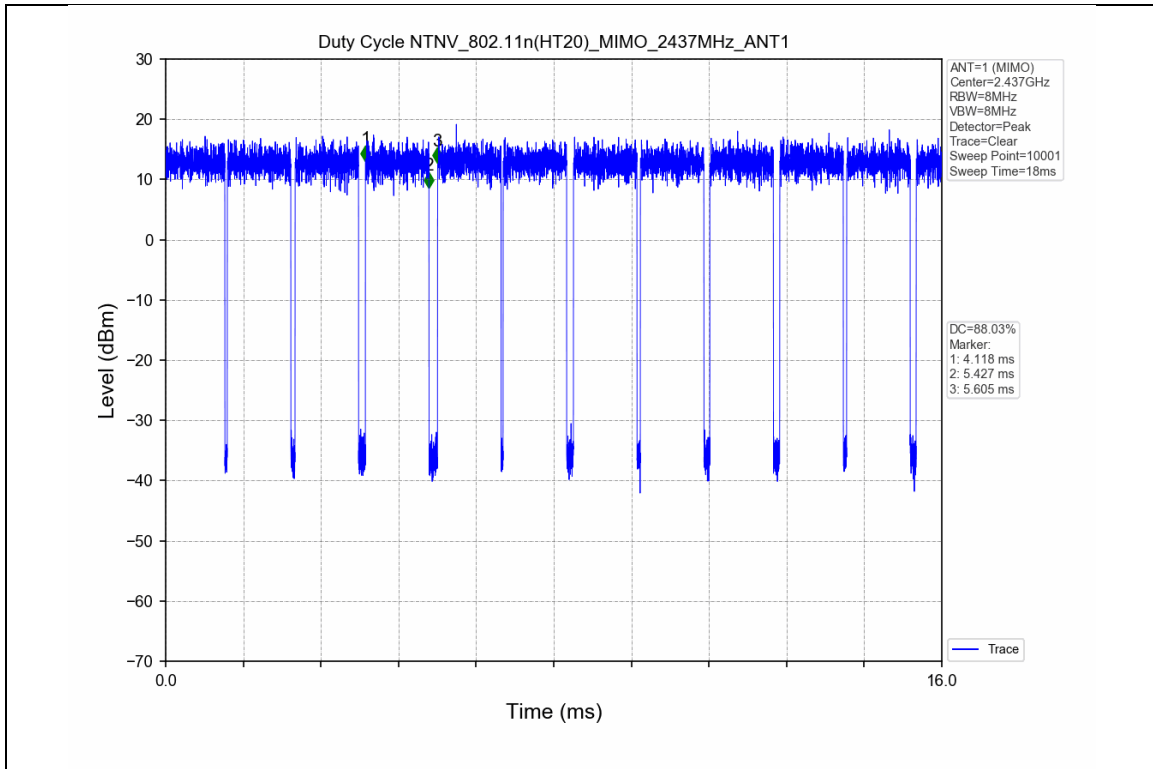


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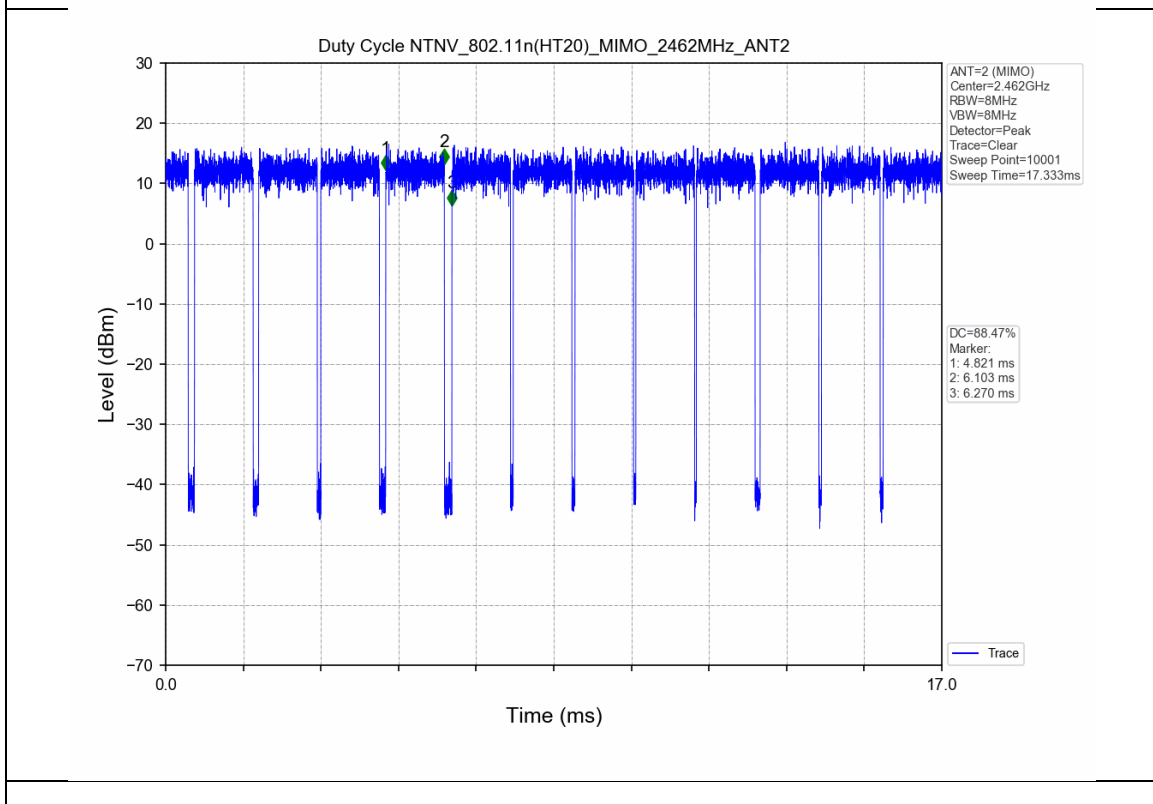
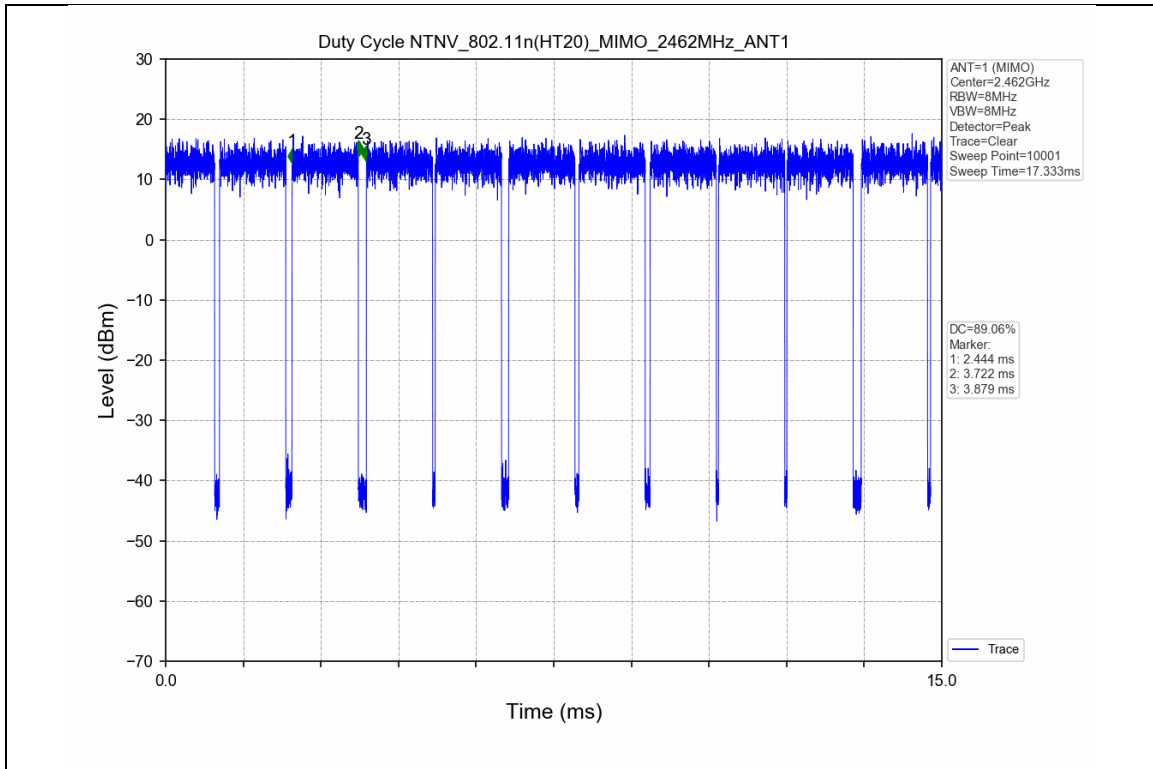
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2. Bandwidth

2.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	10.050	≥0.5	PASS
			2	9.108	≥0.5	PASS
	2437	SISO	1	9.535	≥0.5	PASS
			2	10.041	≥0.5	PASS
	2462	SISO	1	9.102	≥0.5	PASS
			2	10.058	≥0.5	PASS
802.11g	2412	SISO	1	15.154	≥0.5	PASS
			2	15.032	≥0.5	PASS
	2437	SISO	1	15.138	≥0.5	PASS
			2	15.088	≥0.5	PASS
	2462	SISO	1	15.092	≥0.5	PASS
			2	15.110	≥0.5	PASS
802.11n(HT20)	2412	MIMO	1	15.179	≥0.5	PASS
			2	15.126	≥0.5	PASS
	2437	MIMO	1	15.061	≥0.5	PASS
			2	15.129	≥0.5	PASS
	2462	MIMO	1	15.106	≥0.5	PASS
			2	16.308	≥0.5	PASS

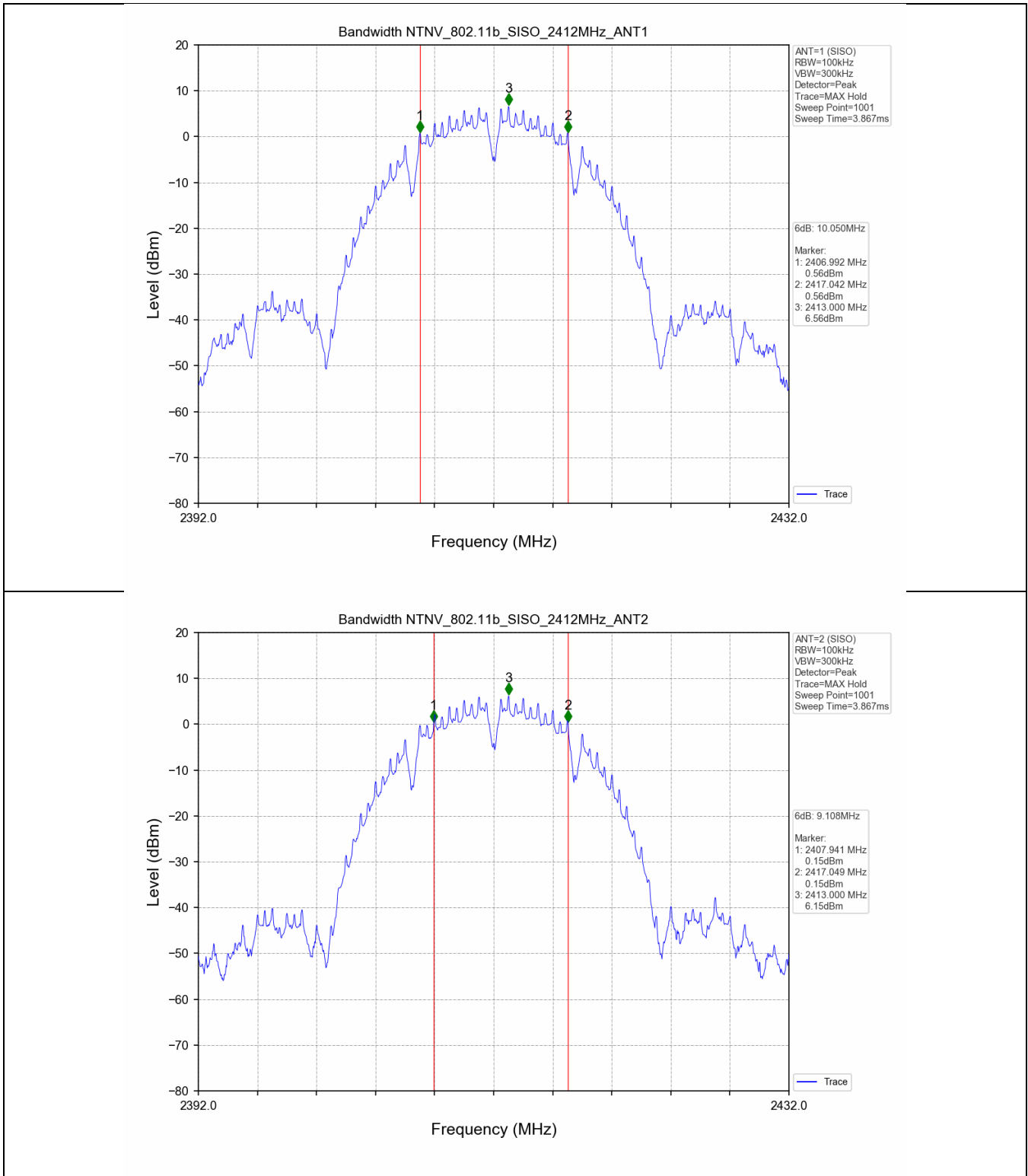
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	14.441	Only for Report Use
			2	14.227	Only for Report Use
	2437	SISO	1	14.329	Only for Report Use
			2	14.121	Only for Report Use
	2462	SISO	1	14.335	Only for Report Use
			2	14.243	Only for Report Use
802.11g	2412	SISO	1	16.721	Only for Report Use
			2	16.711	Only for Report Use
	2437	SISO	1	16.701	Only for Report Use
			2	16.679	Only for Report Use
	2462	SISO	1	16.724	Only for Report Use
			2	16.730	Only for Report Use
802.11n(HT20)	2412	MIMO	1	17.600	Only for Report Use
			2	17.484	Only for Report Use
	2437	MIMO	1	17.568	Only for Report Use
			2	17.465	Only for Report Use
	2462	MIMO	1	17.575	Only for Report Use
			2	17.515	Only for Report Use

2.2 Test Graph - 6dB Bandwidth



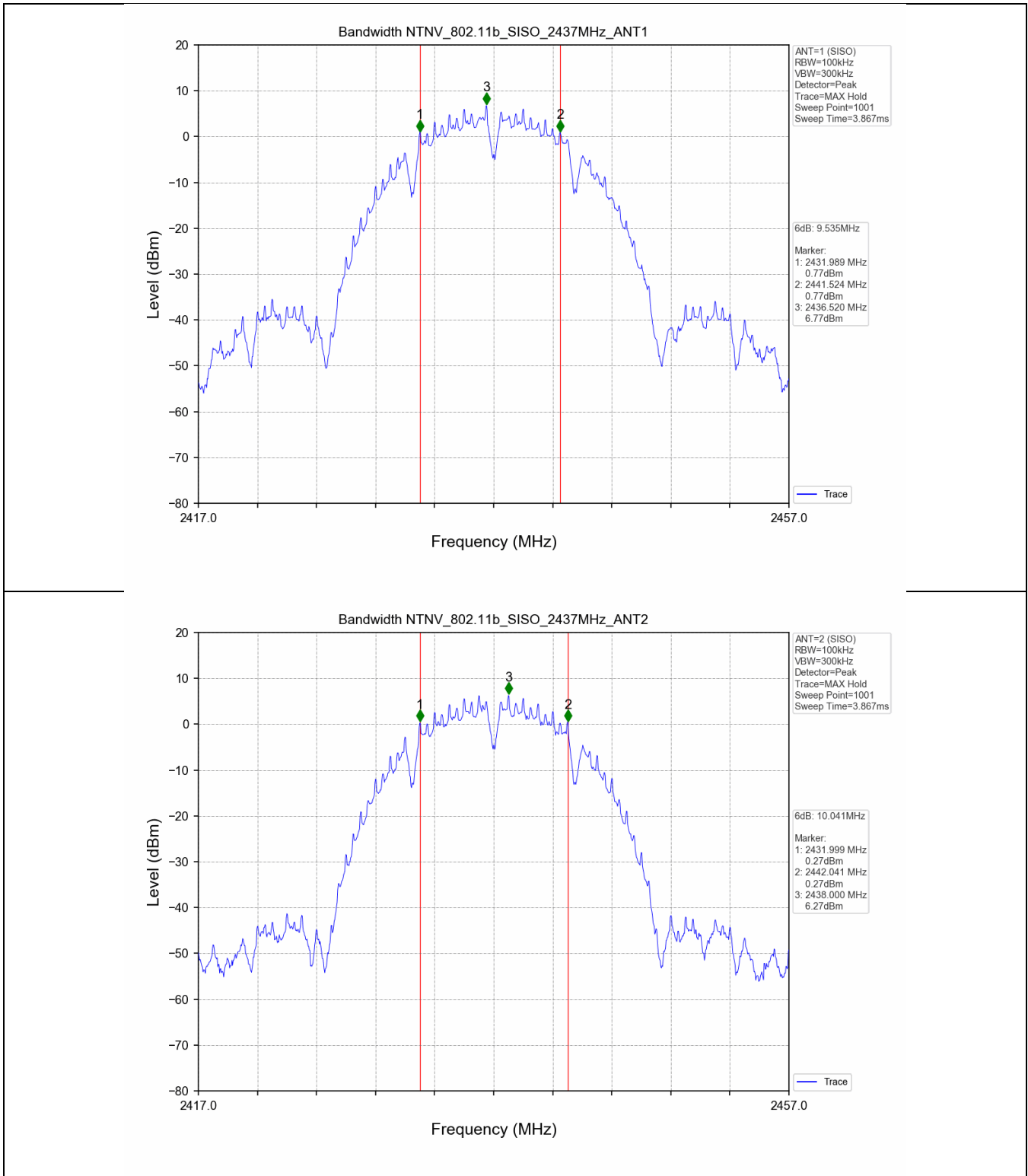
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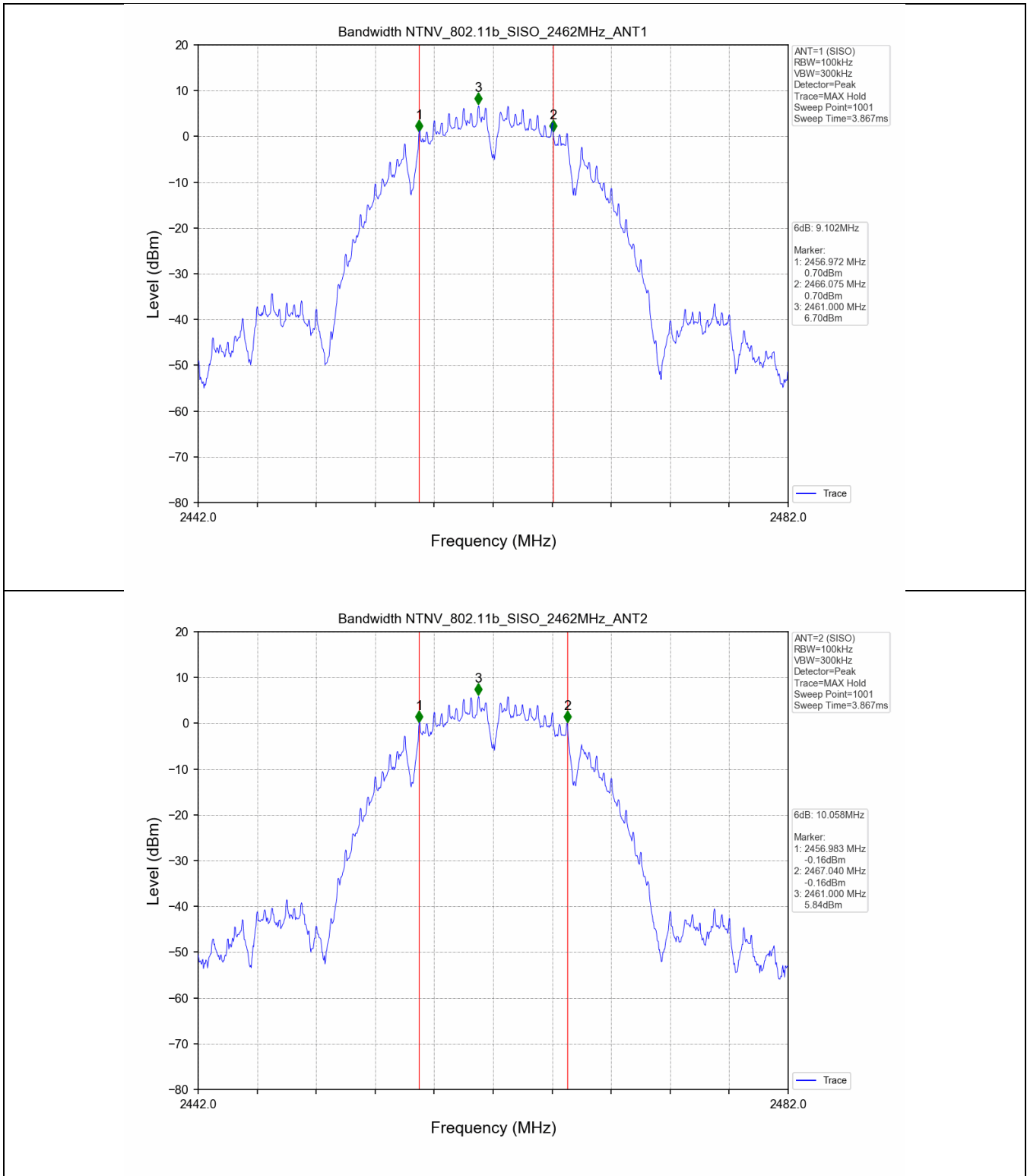
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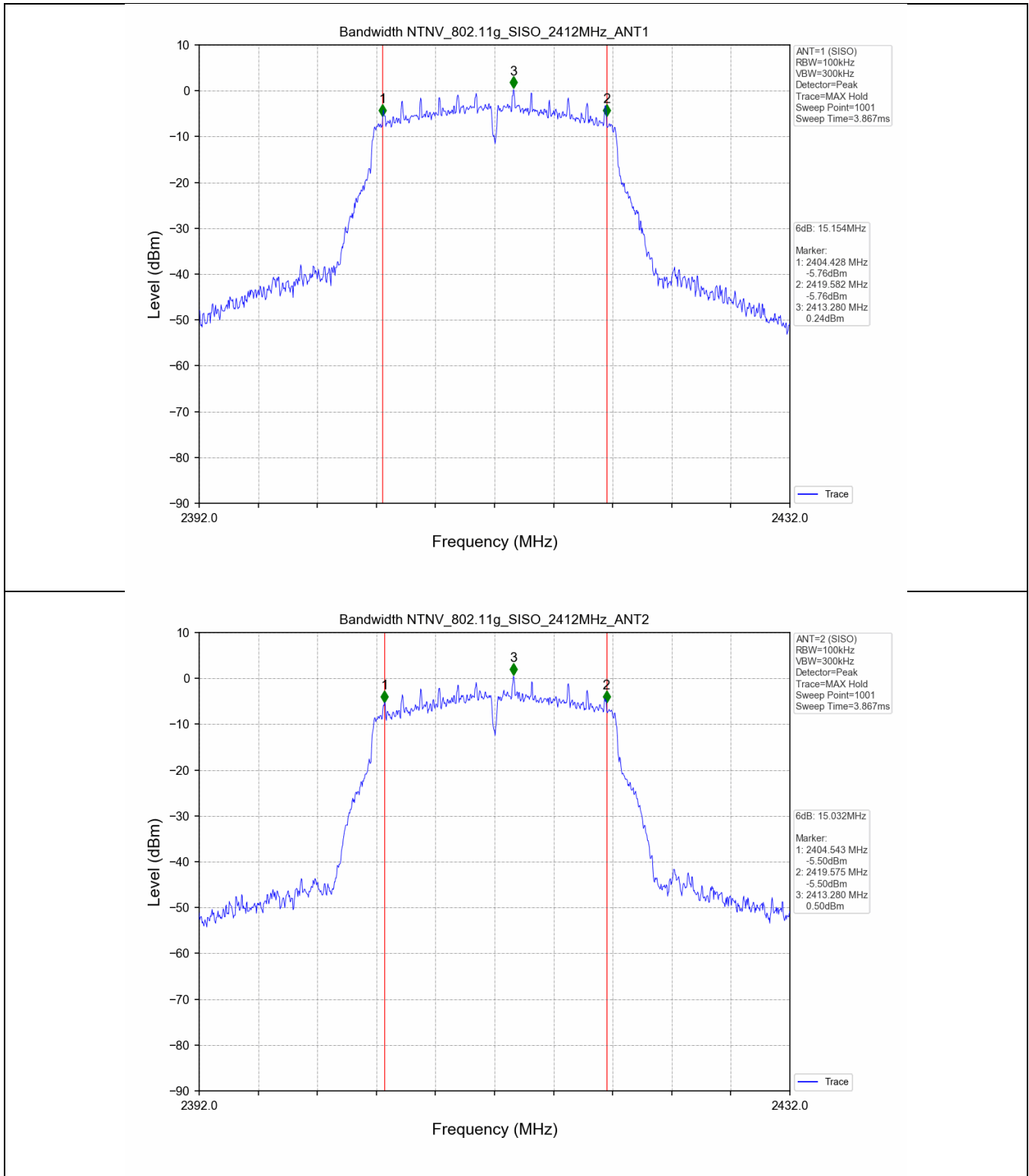
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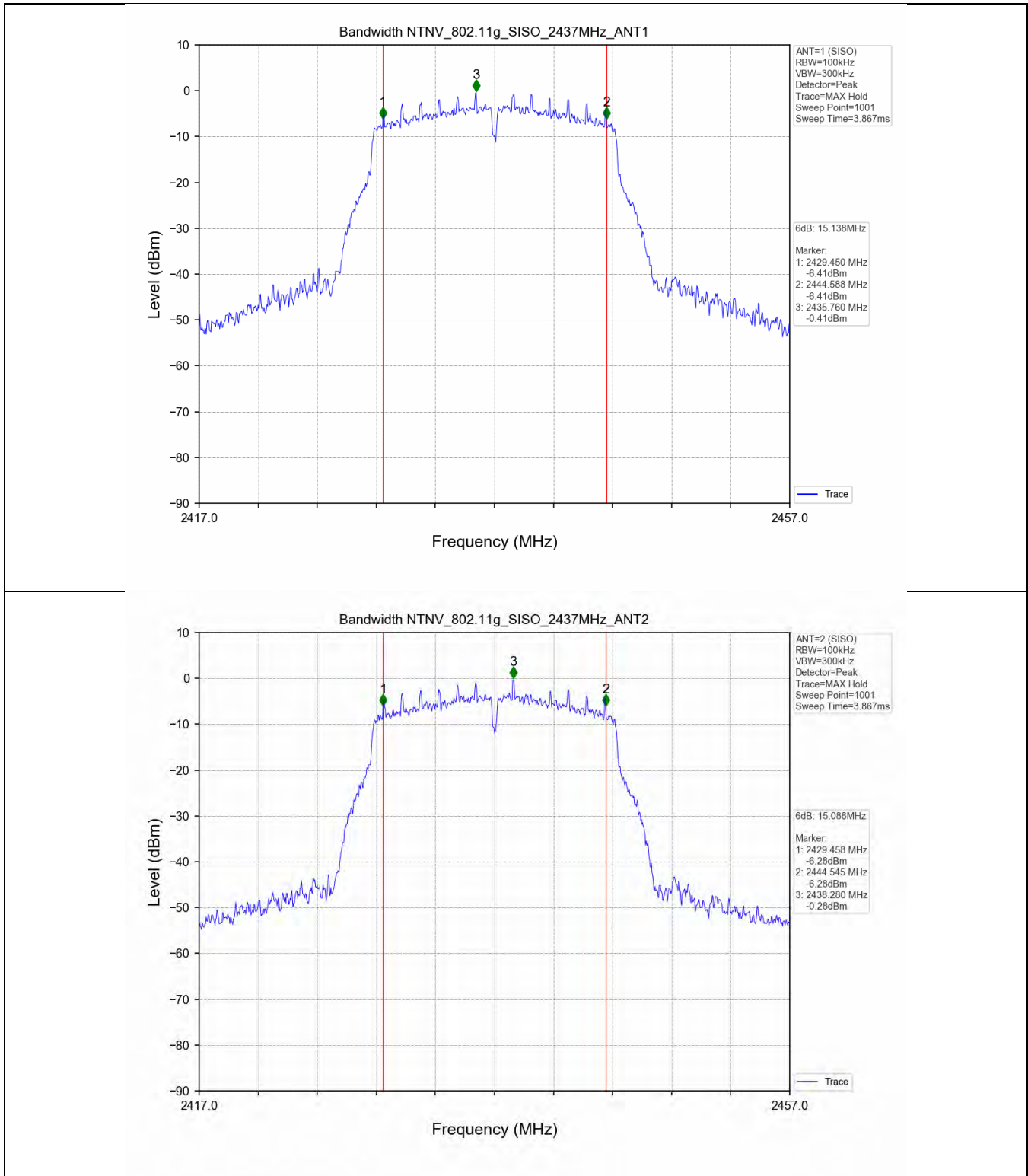
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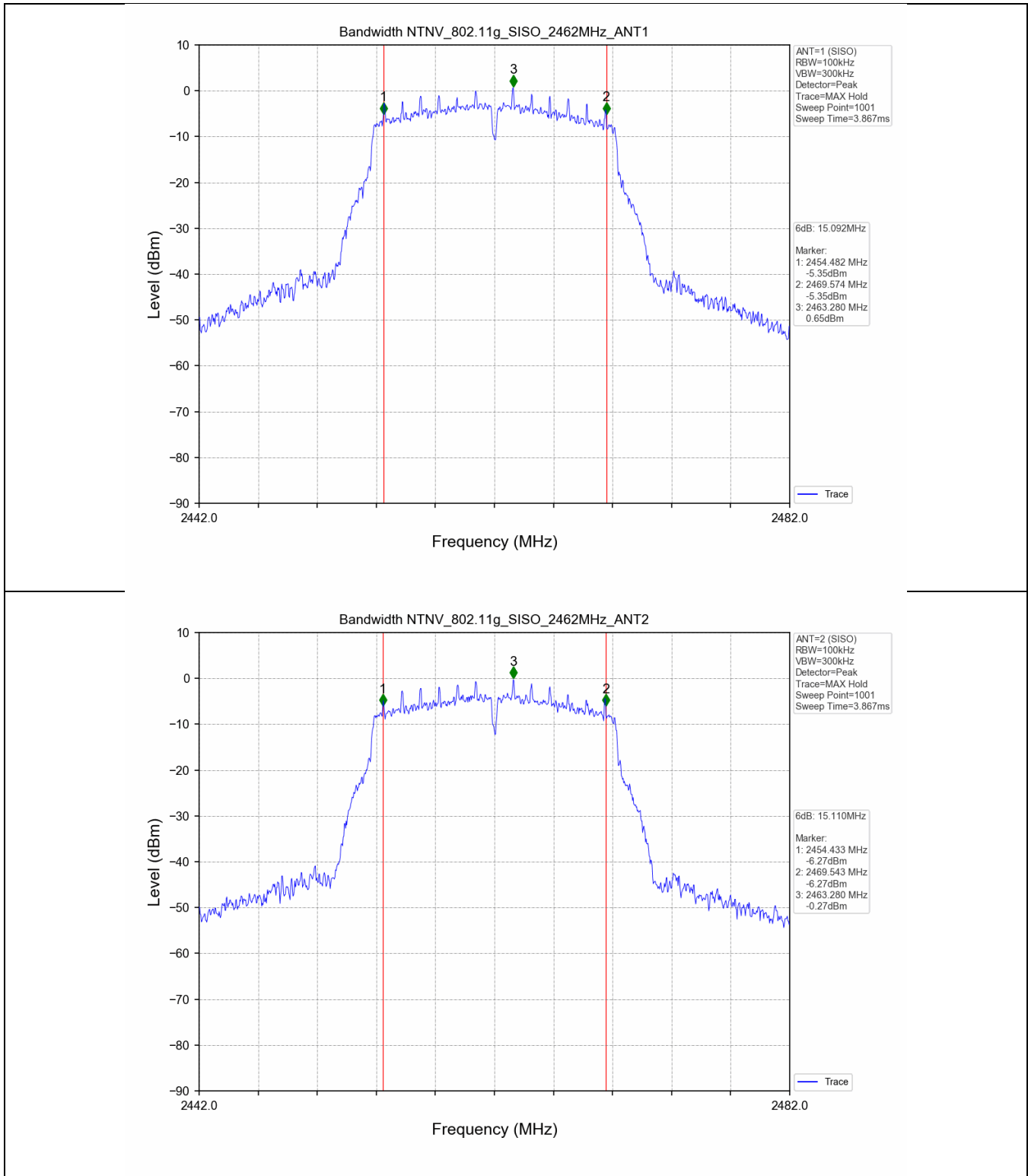
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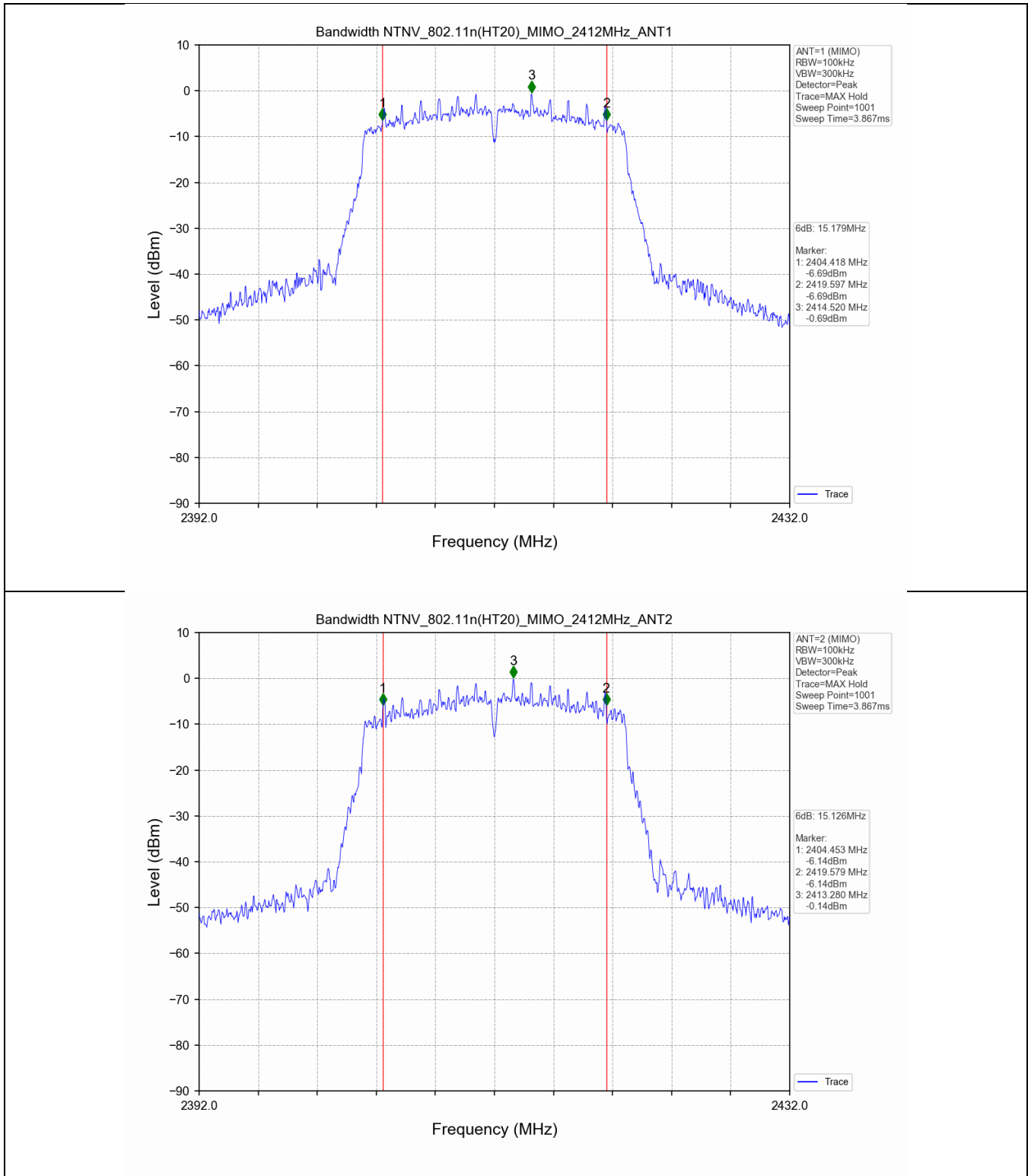
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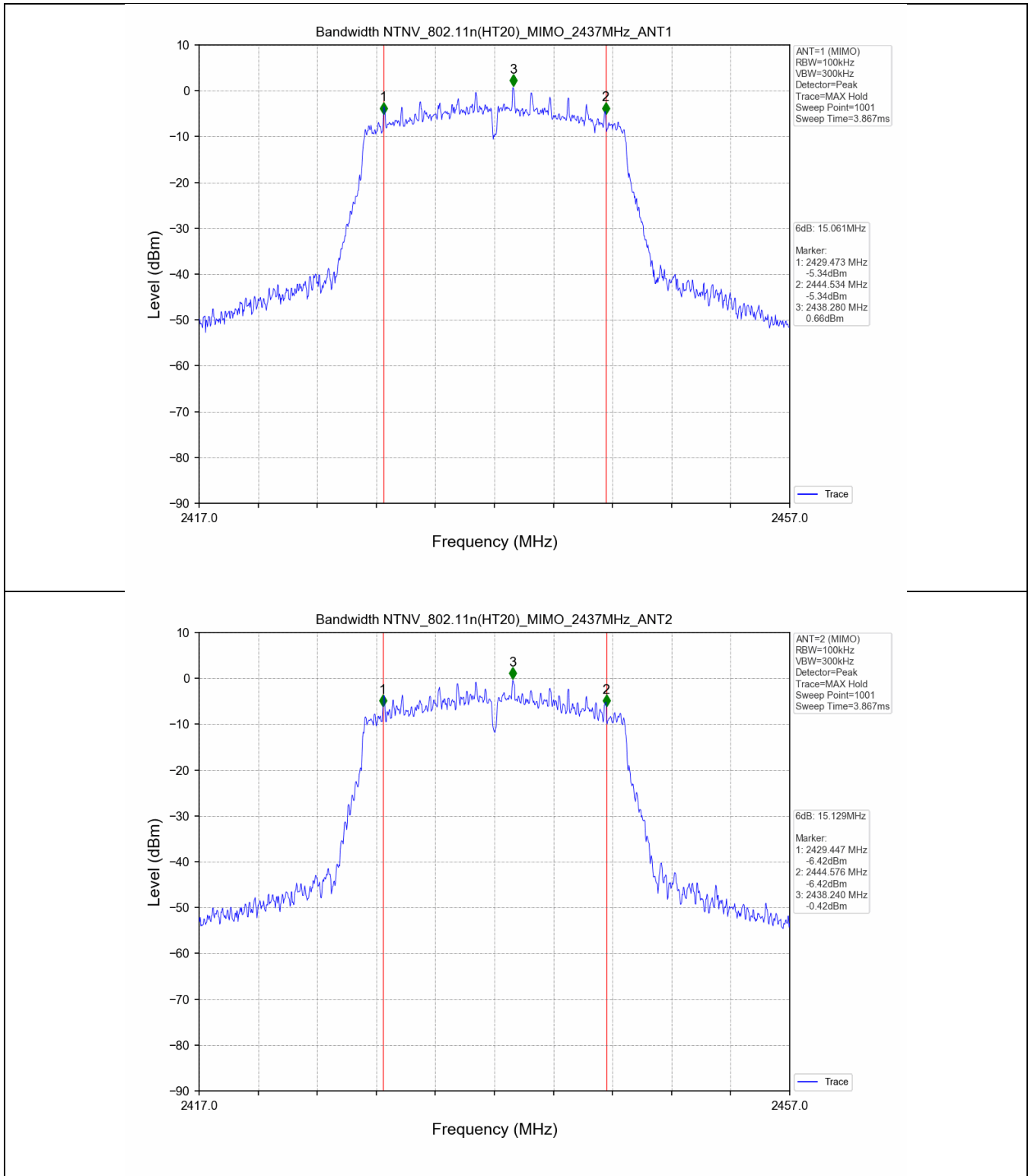
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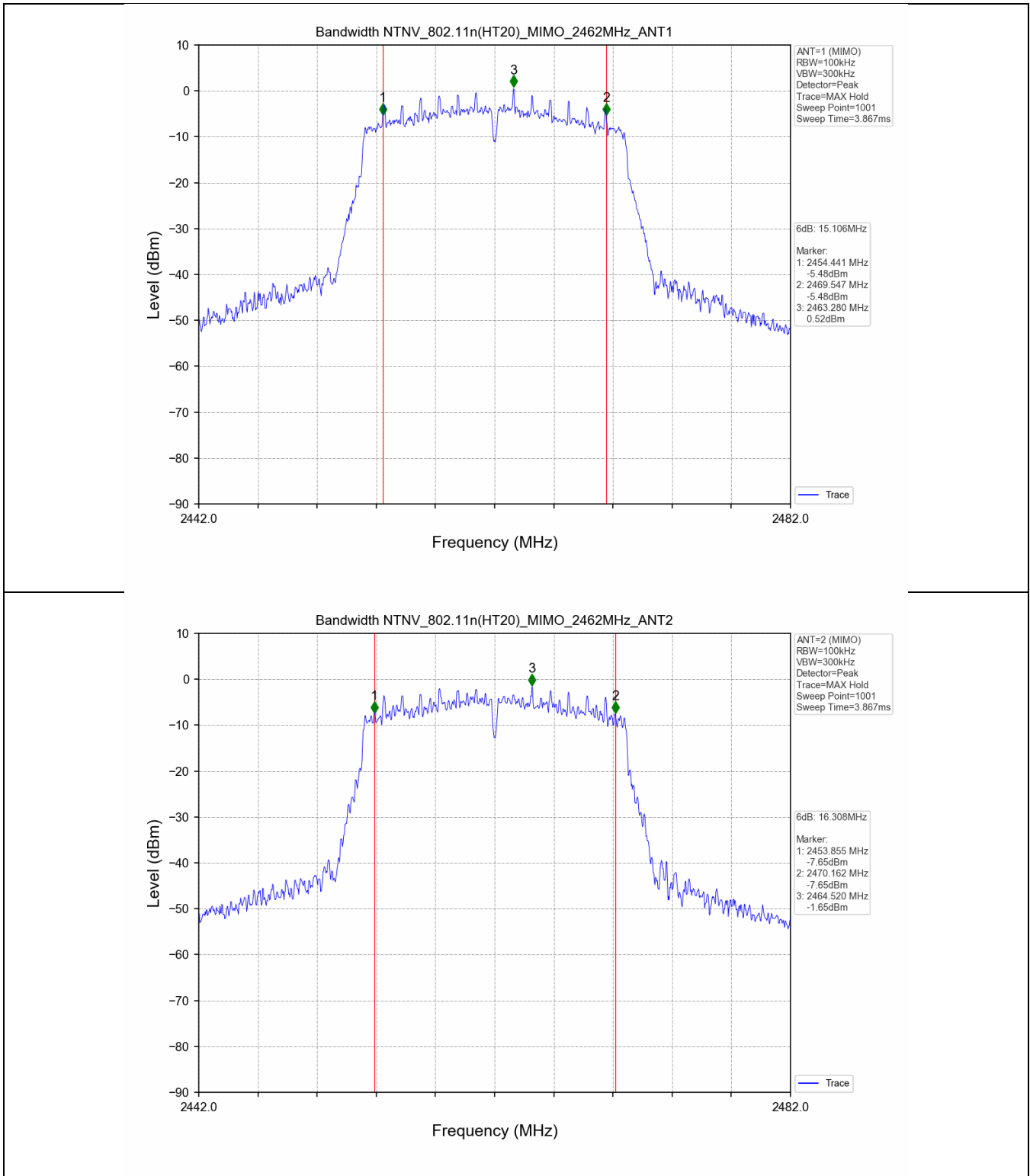
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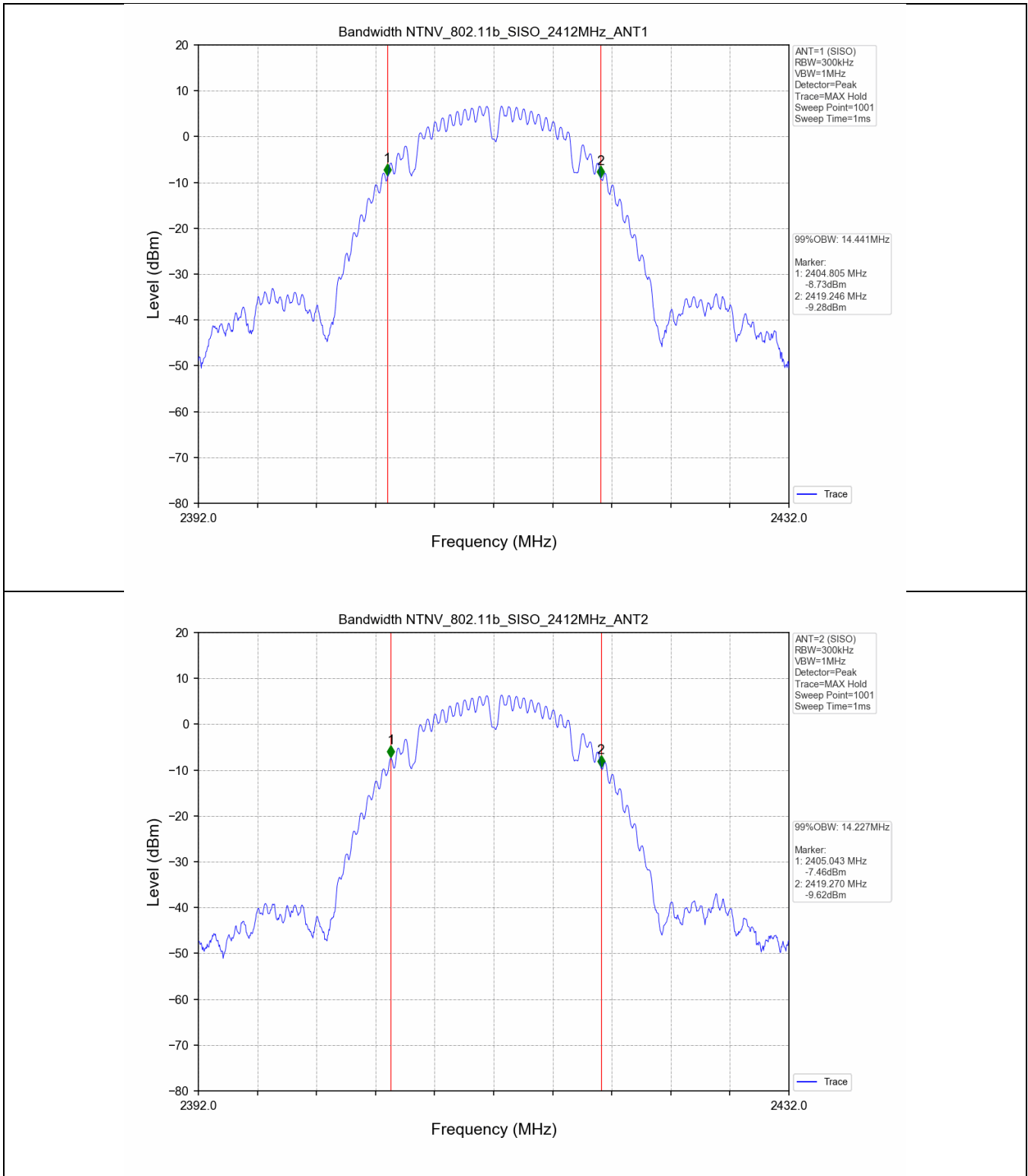


2.3 Test Graph - 99% Occupied Bandwidth



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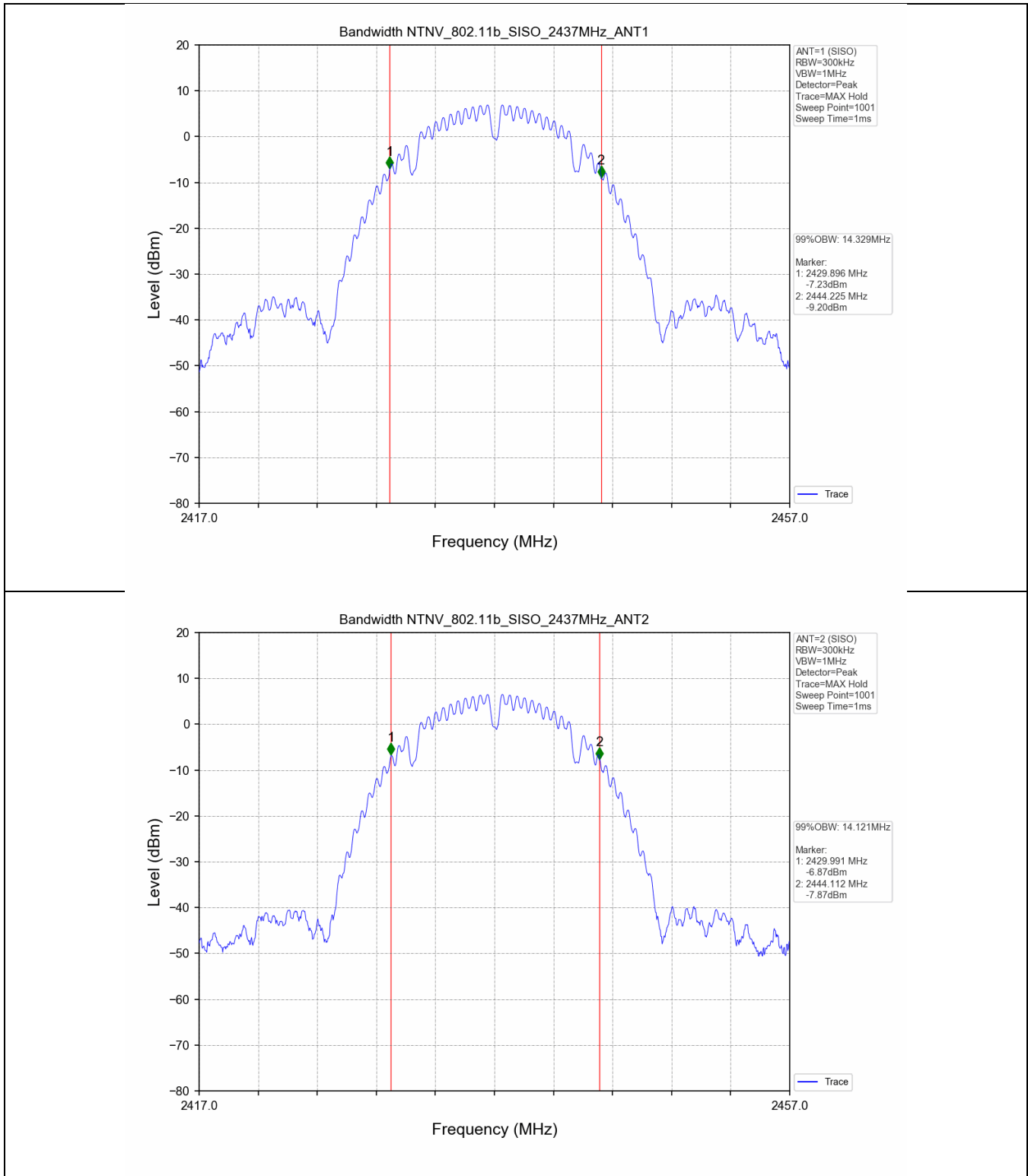


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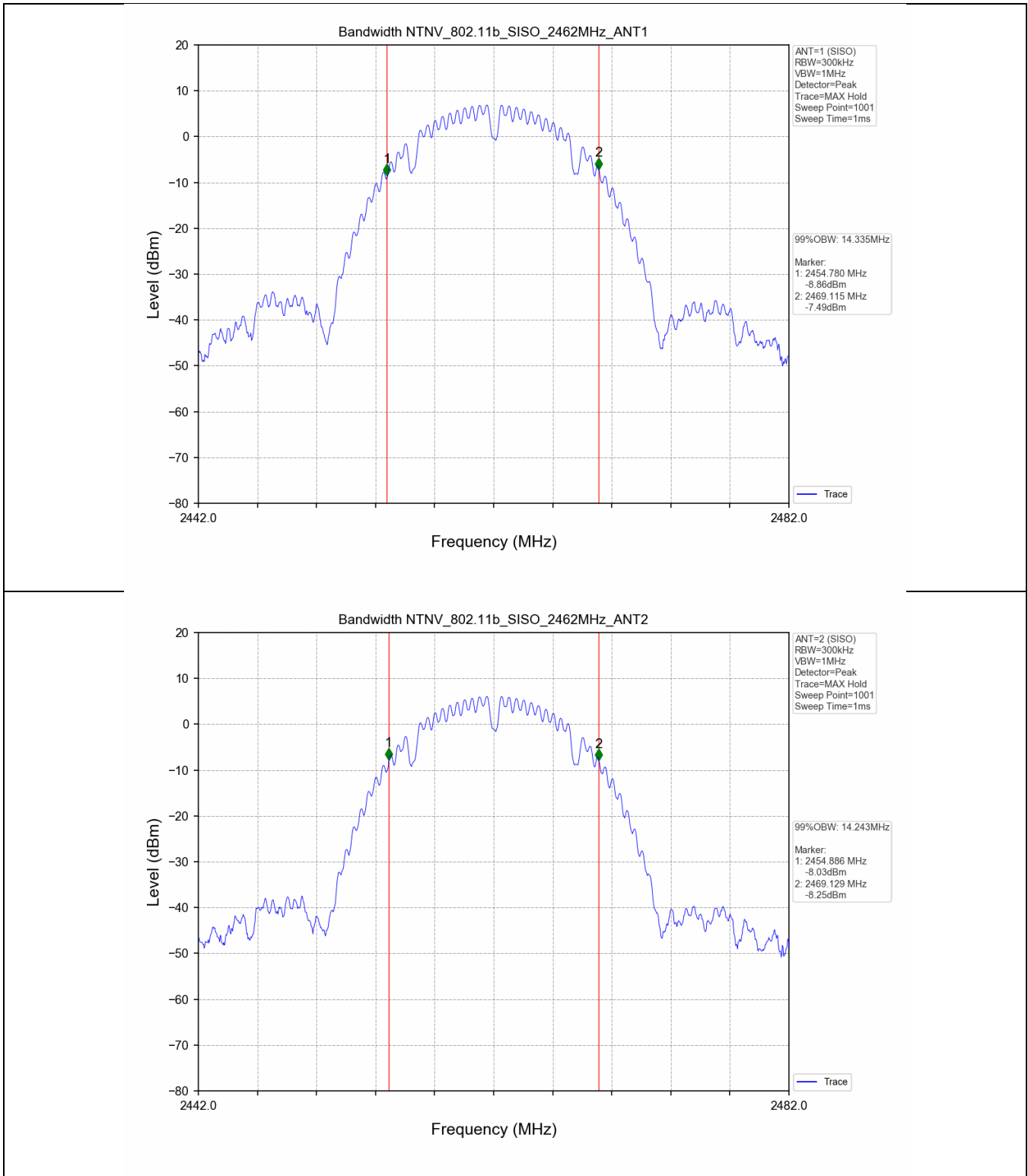
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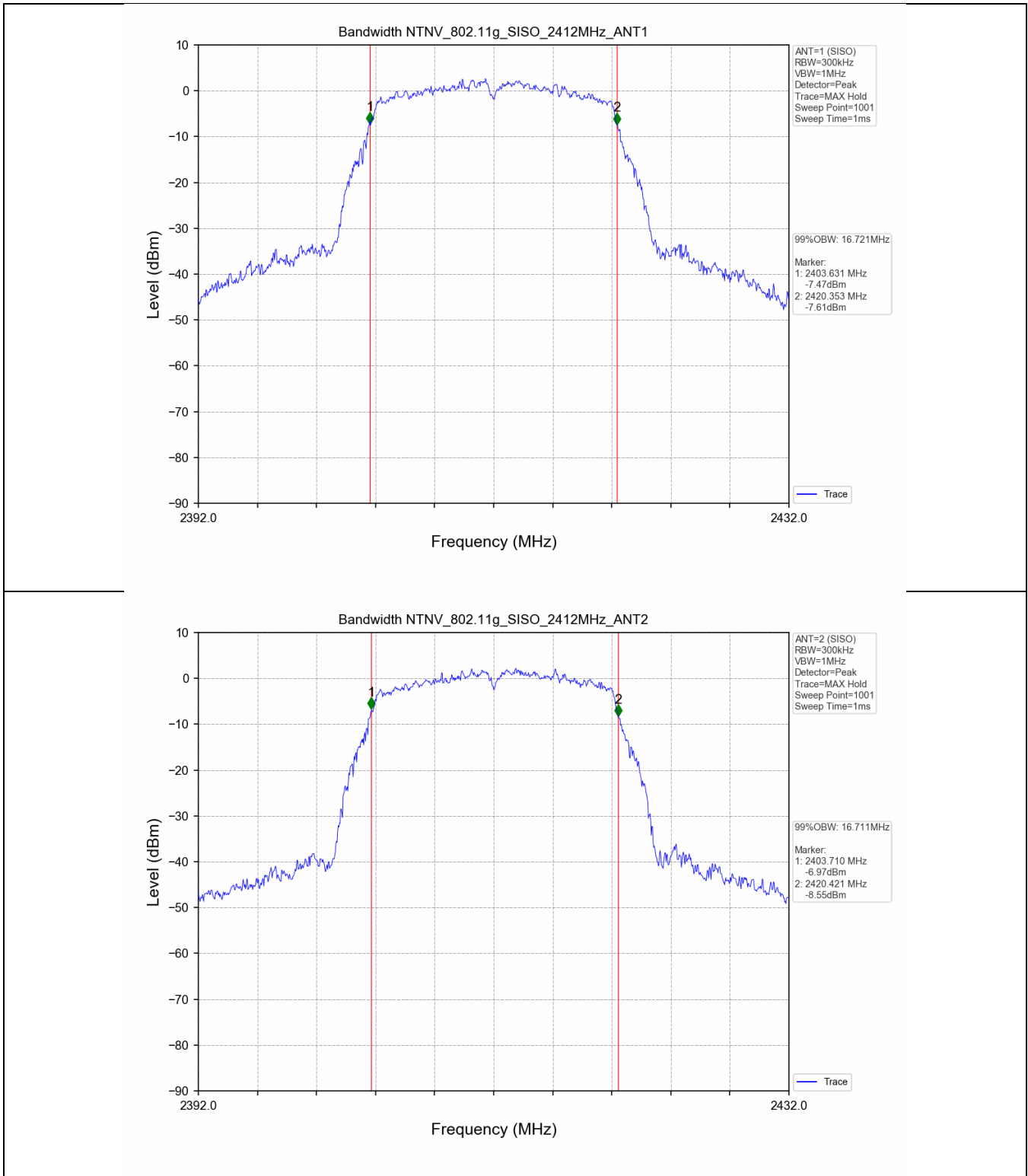
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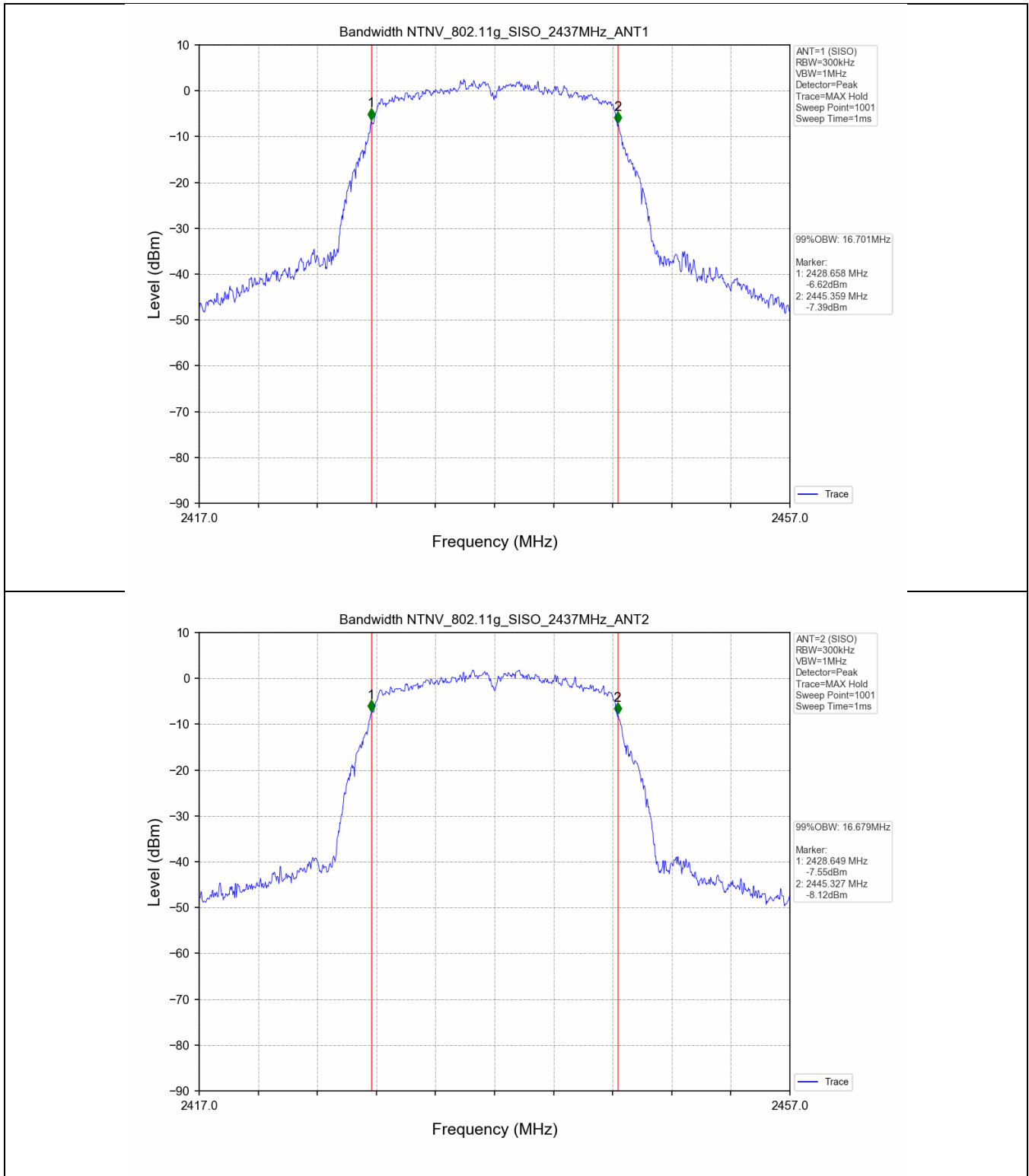


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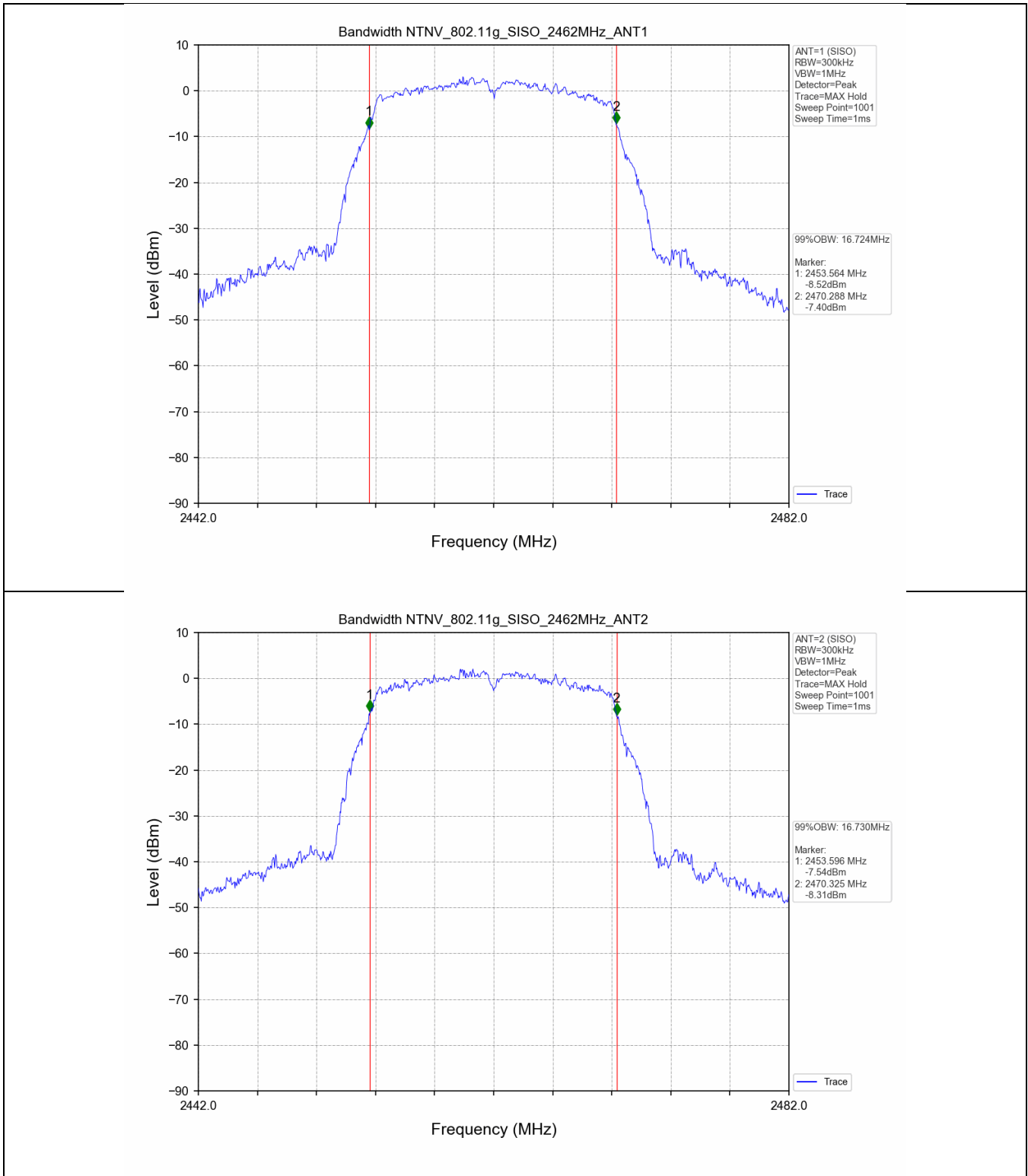
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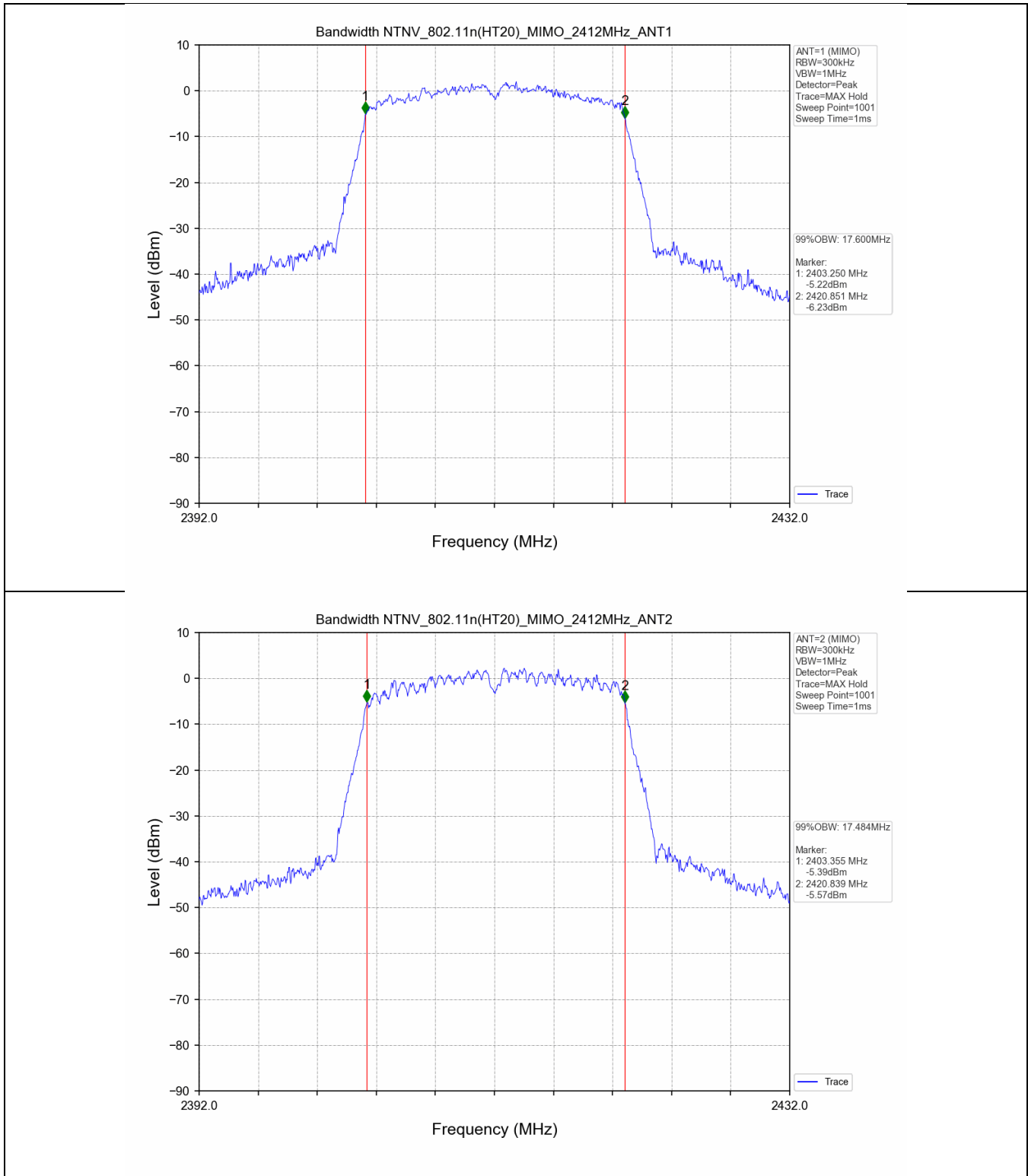
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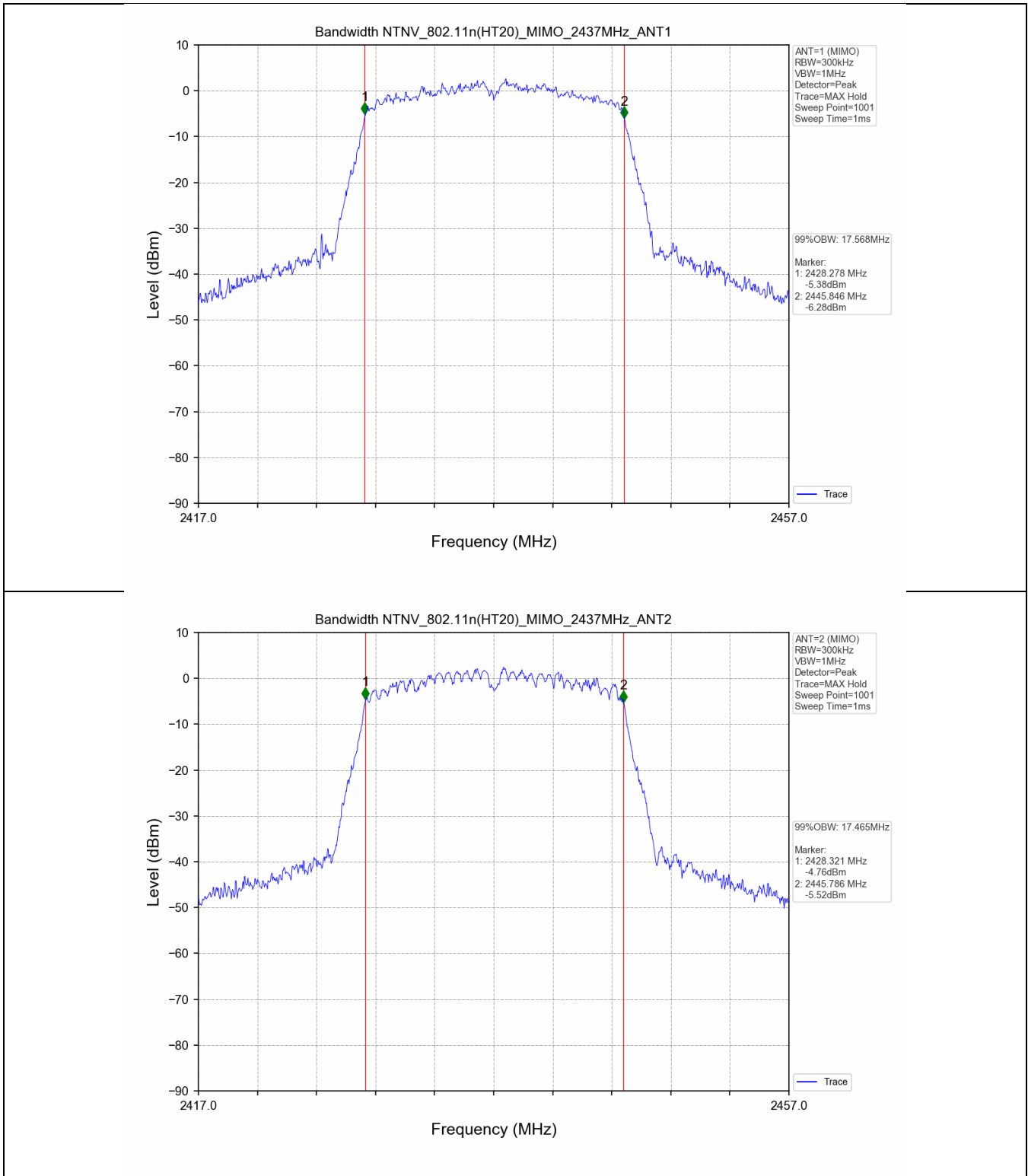
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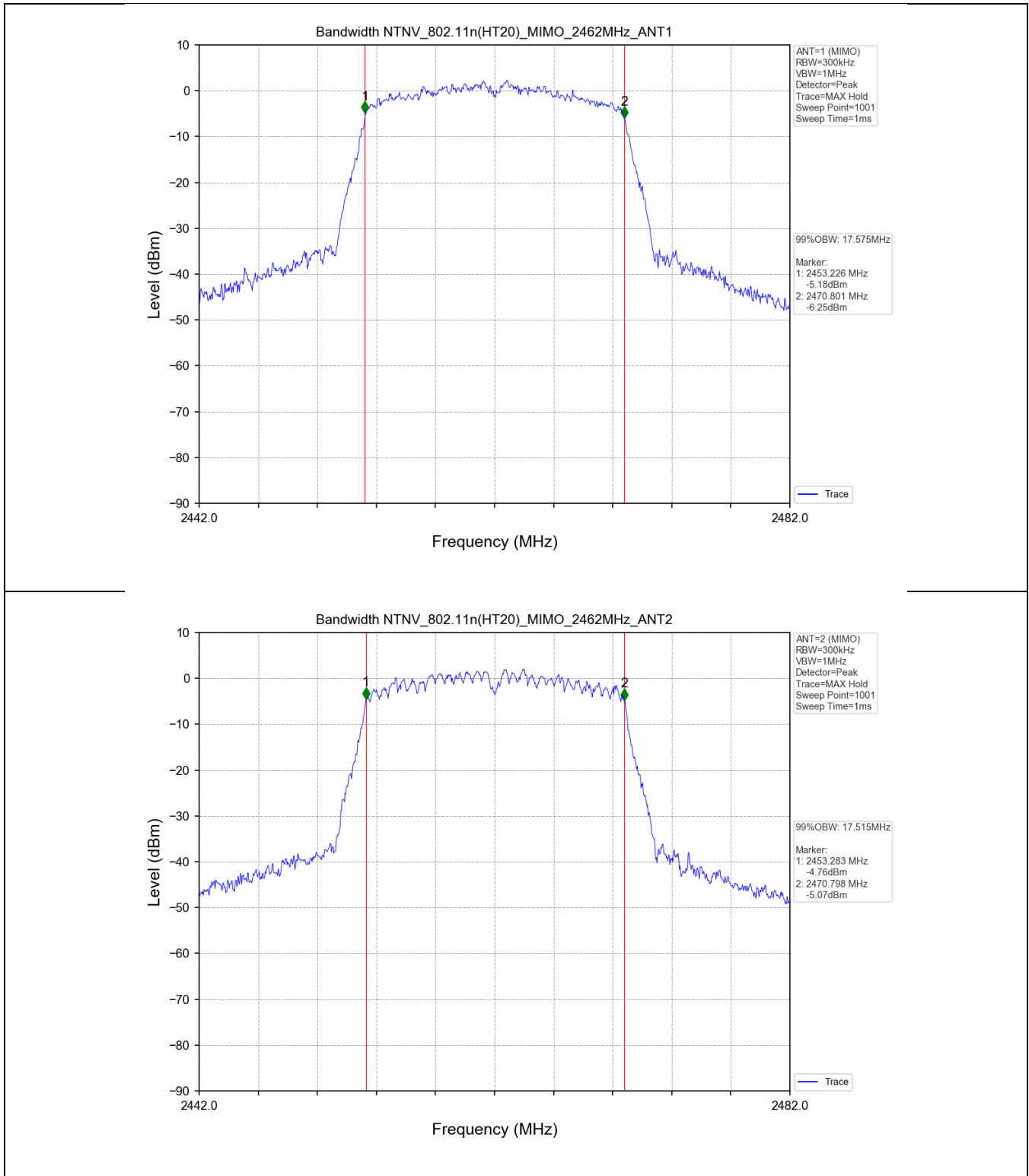
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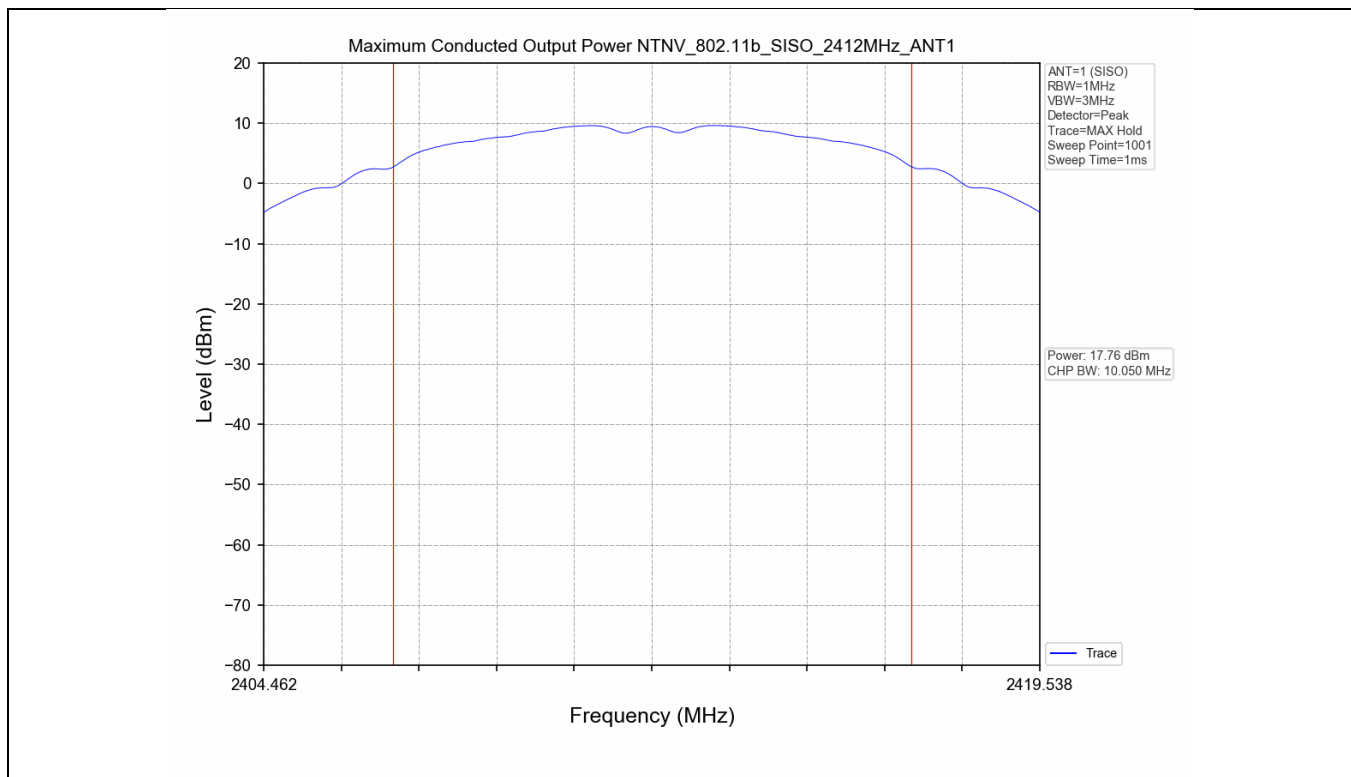
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3. Maximum Conducted Output Power

3.1 Test Result

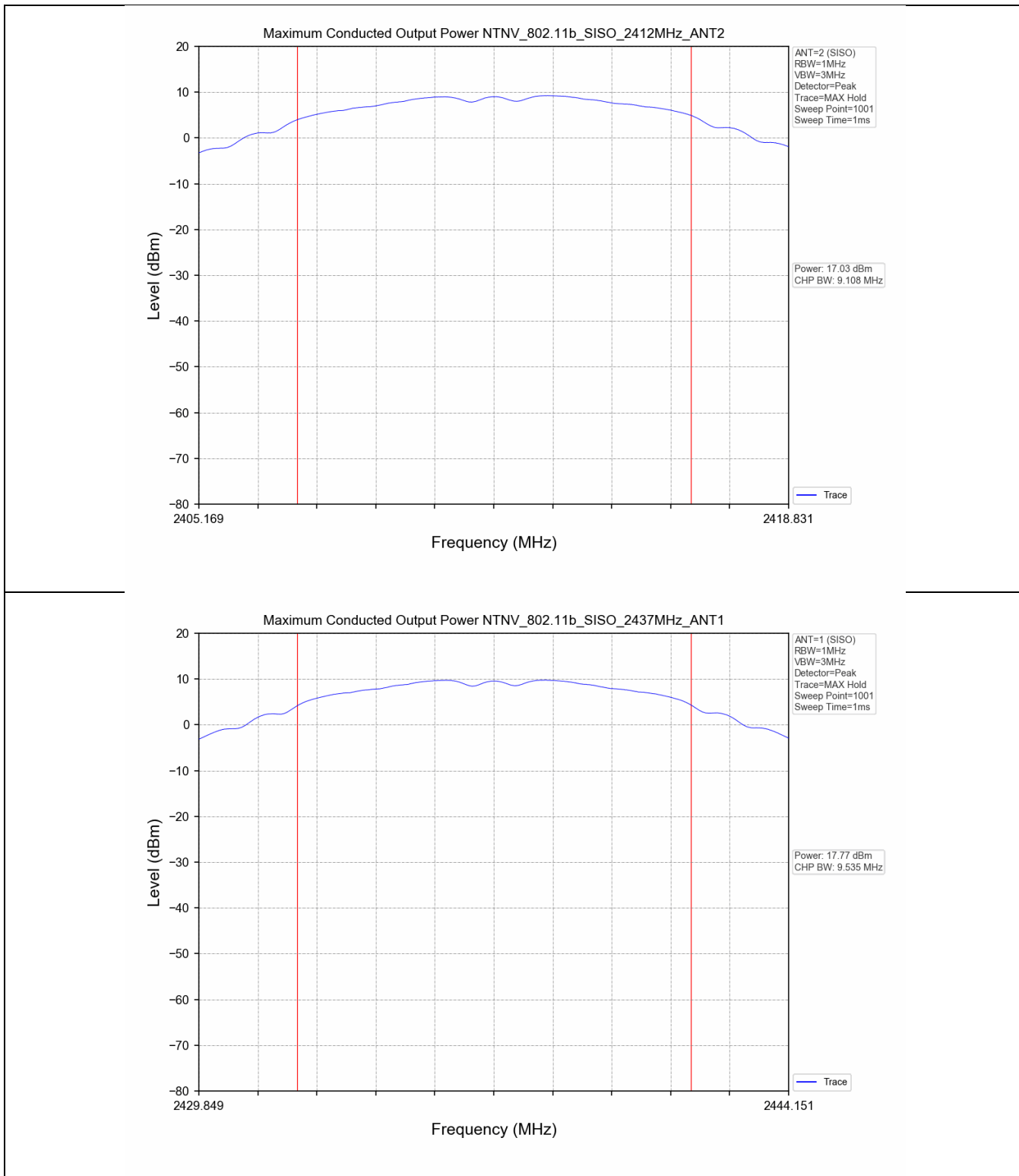
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)			Limits (dBm)	Verdict
			Ant 1	Ant 2	Total		
802.11b	2412	SISO	17.76	17.03	/	30	PASS
	2437	SISO	17.77	17.42	/	30	PASS
	2462	SISO	17.62	17.00	/	30	PASS
802.11g	2412	SISO	17.74	17.49	/	30	PASS
	2437	SISO	17.50	17.02	/	30	PASS
	2462	SISO	17.99	17.14	/	30	PASS
802.11n(HT20)	2412	MIMO	17.33	17.42	20.39	29.69	PASS
	2437	MIMO	17.62	17.55	20.60	29.69	PASS
	2462	MIMO	17.80	17.41	20.62	29.69	PASS

3.2 Test Graph



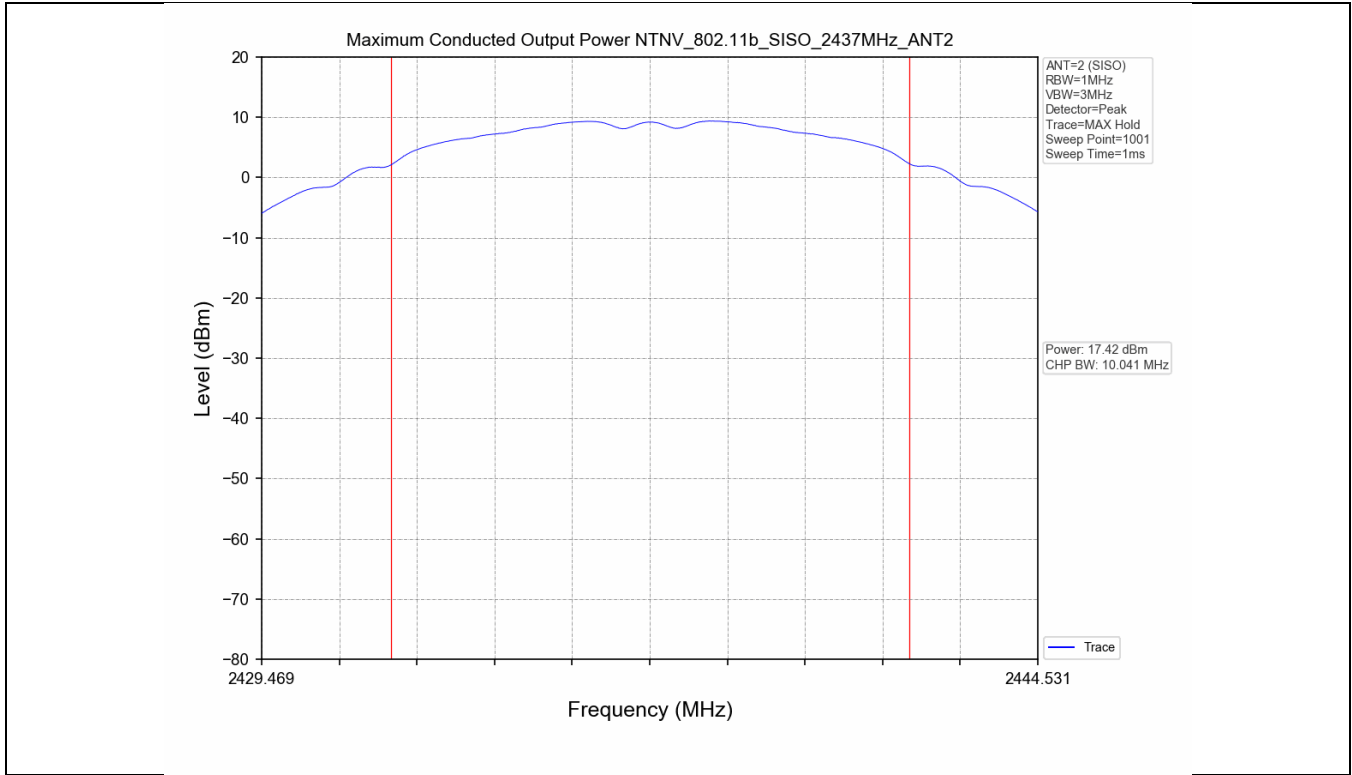
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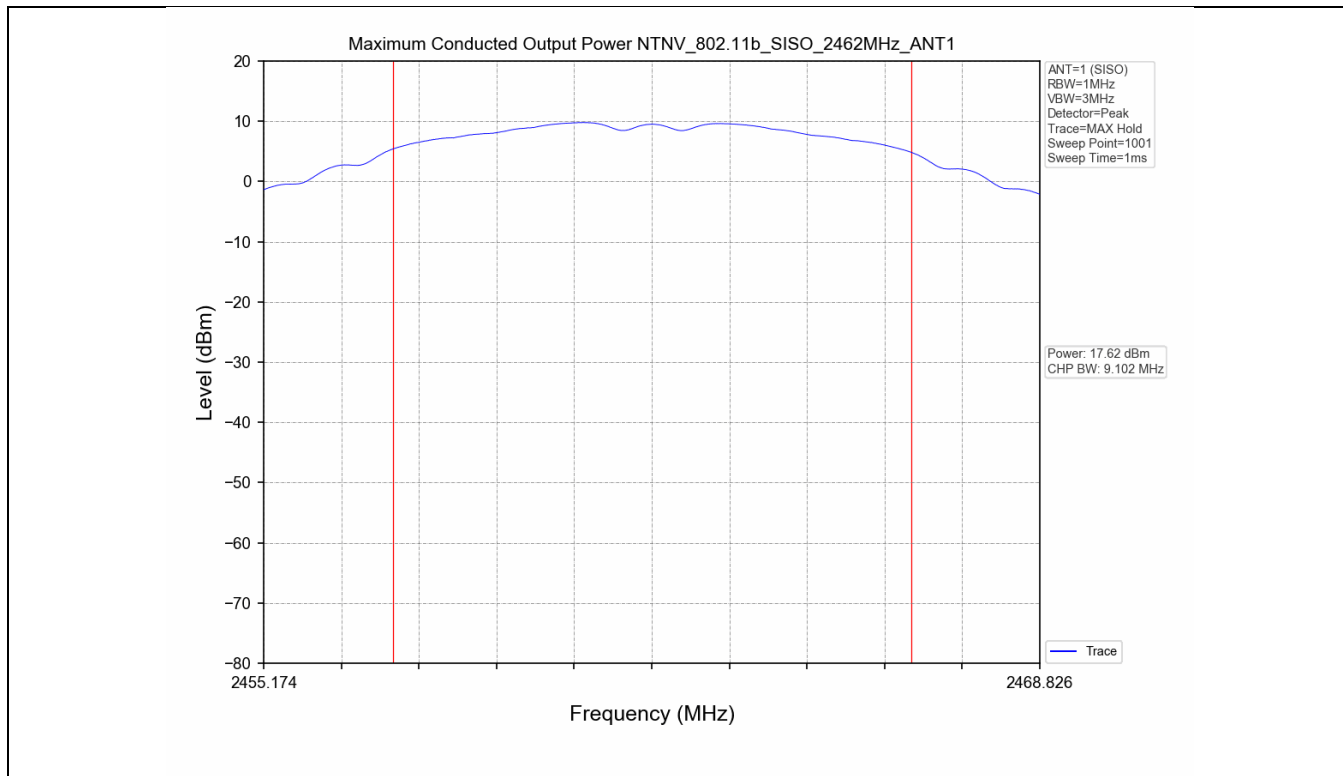
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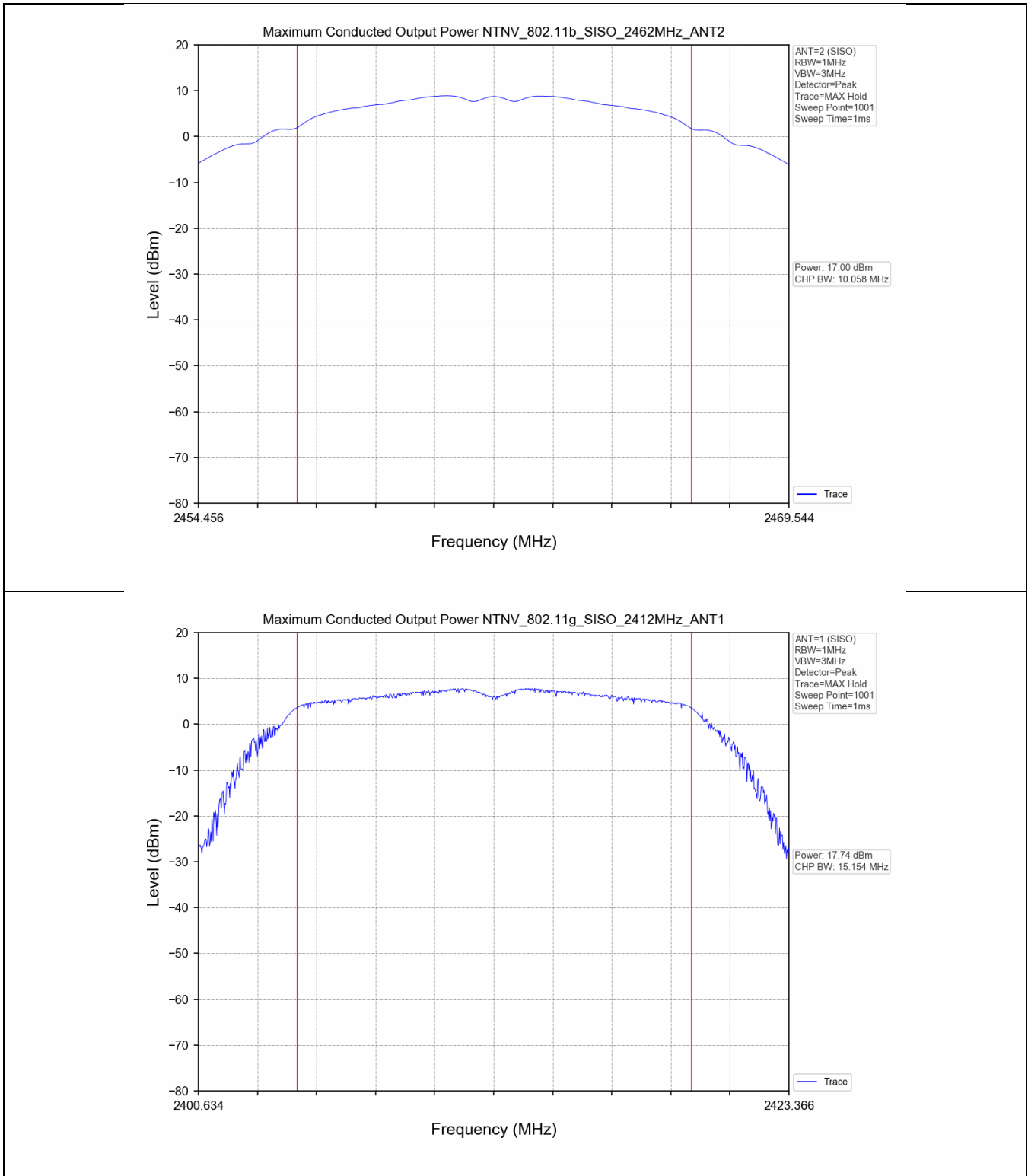
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