

Appendix A for SHEM210300254102

1. Duty Cycle

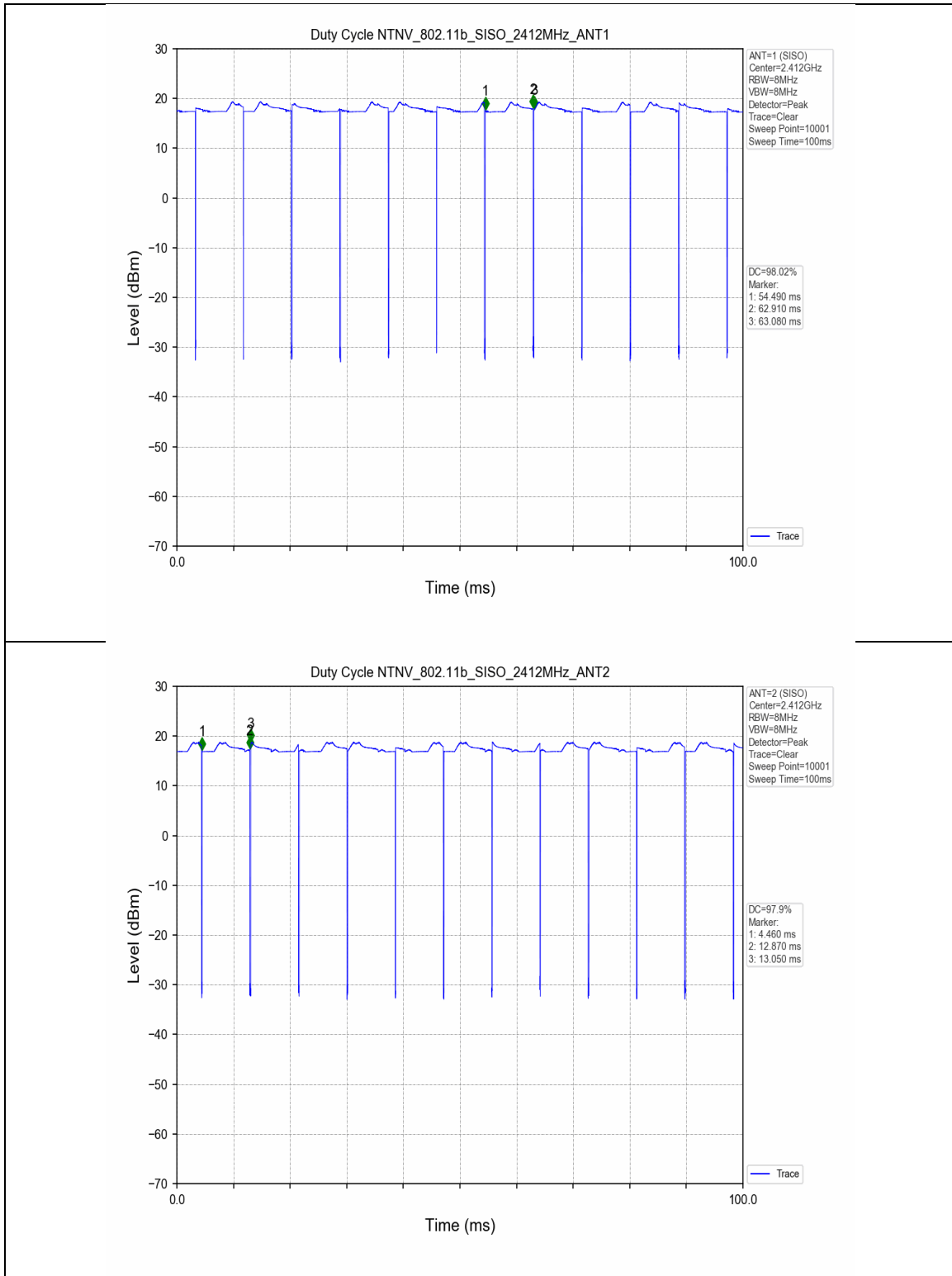
1.1 Test Result

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	8.420	8.590	98.02	0.09
			2	8.410	8.590	97.90	0.09
	2437	SISO	1	8.410	8.570	98.13	0.08
			2	8.410	8.580	98.02	0.09
	2462	SISO	1	8.420	8.580	98.14	0.08
			2	8.420	8.590	98.02	0.09
802.11g	2412	SISO	1	0.175	0.318	55.03	2.59
			2	0.176	0.337	52.23	2.82
	2437	SISO	1	0.176	0.319	55.17	2.58
			2	0.176	0.354	49.72	3.03
	2462	SISO	1	0.176	0.355	49.58	3.05
			2	0.176	0.337	52.23	2.82
802.11n(HT20)	2412	MIMO	1	0.164	0.289	56.75	2.46
			2	0.164	0.298	55.03	2.59
	2437	MIMO	1	0.164	0.316	51.90	2.85
			2	0.165	0.325	50.77	2.94
	2462	MIMO	1	0.164	0.343	47.81	3.20
			2	0.165	0.325	50.77	2.94

1.2 Test Graph

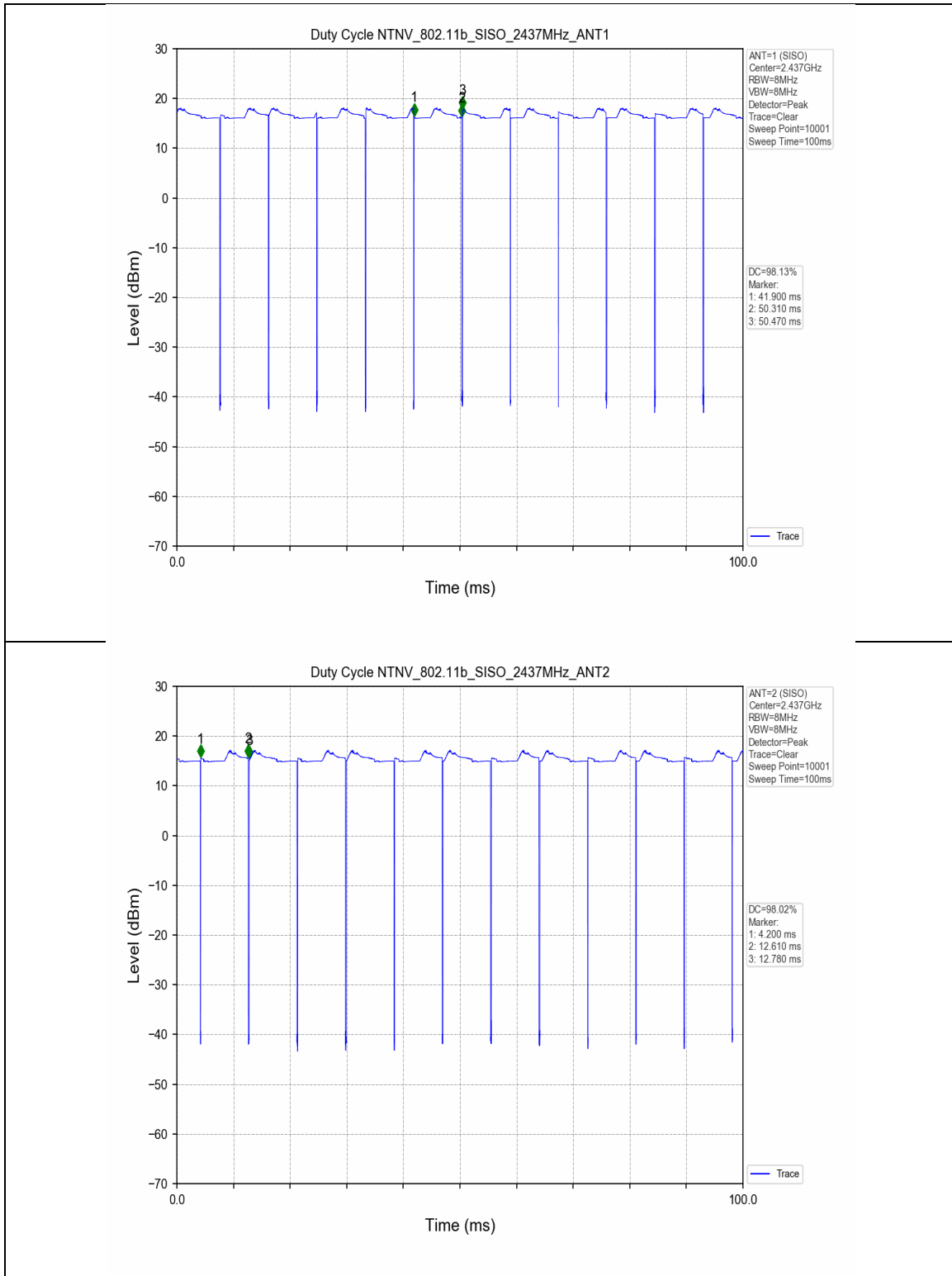


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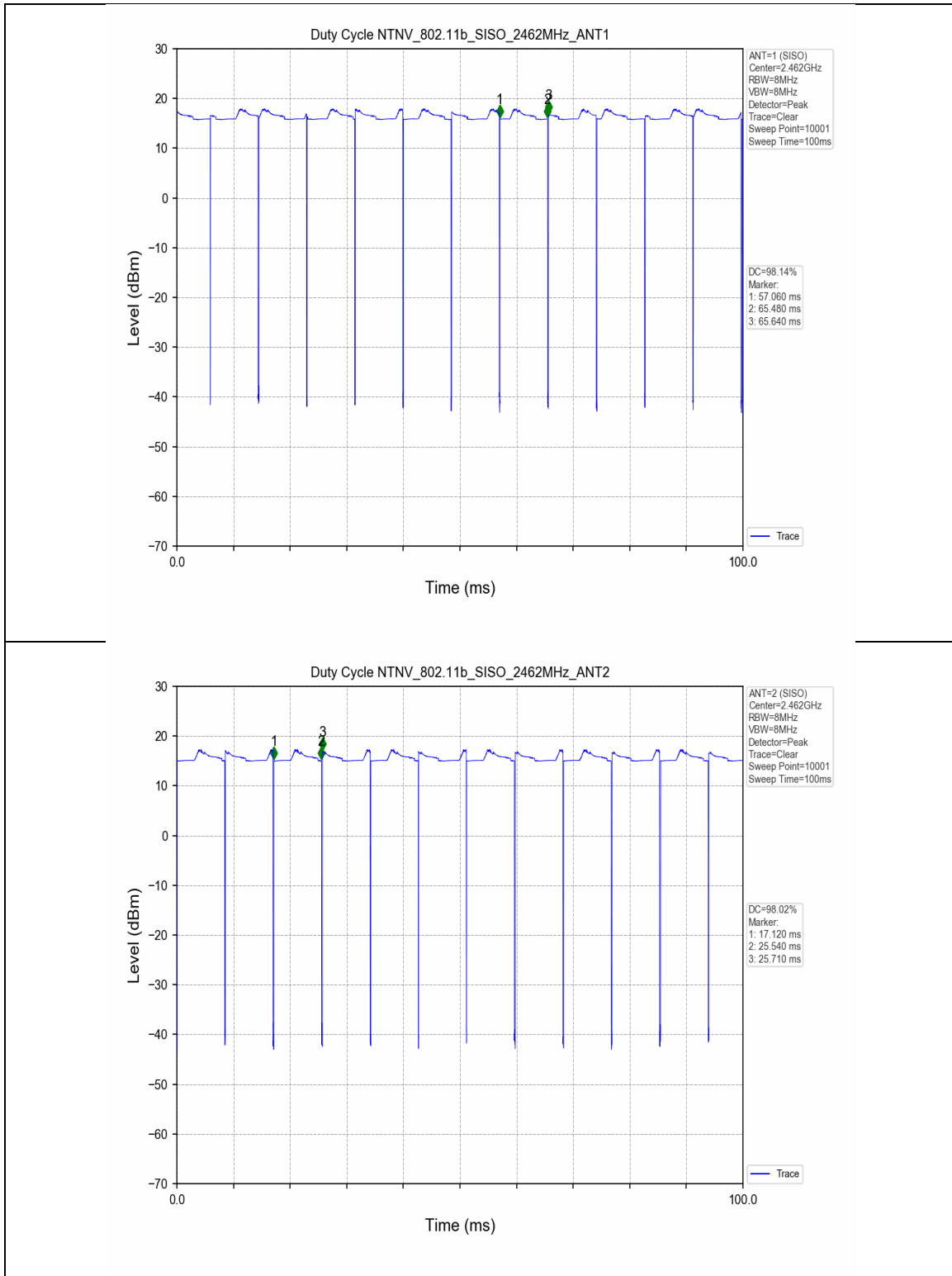
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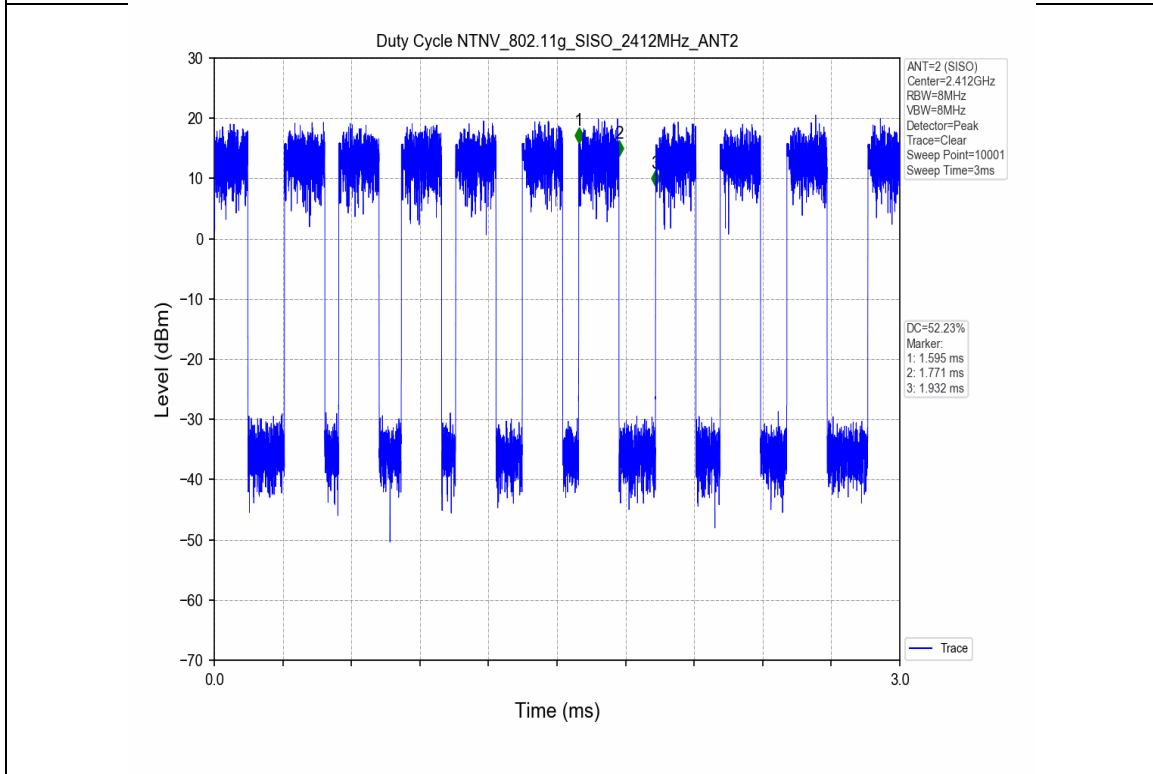
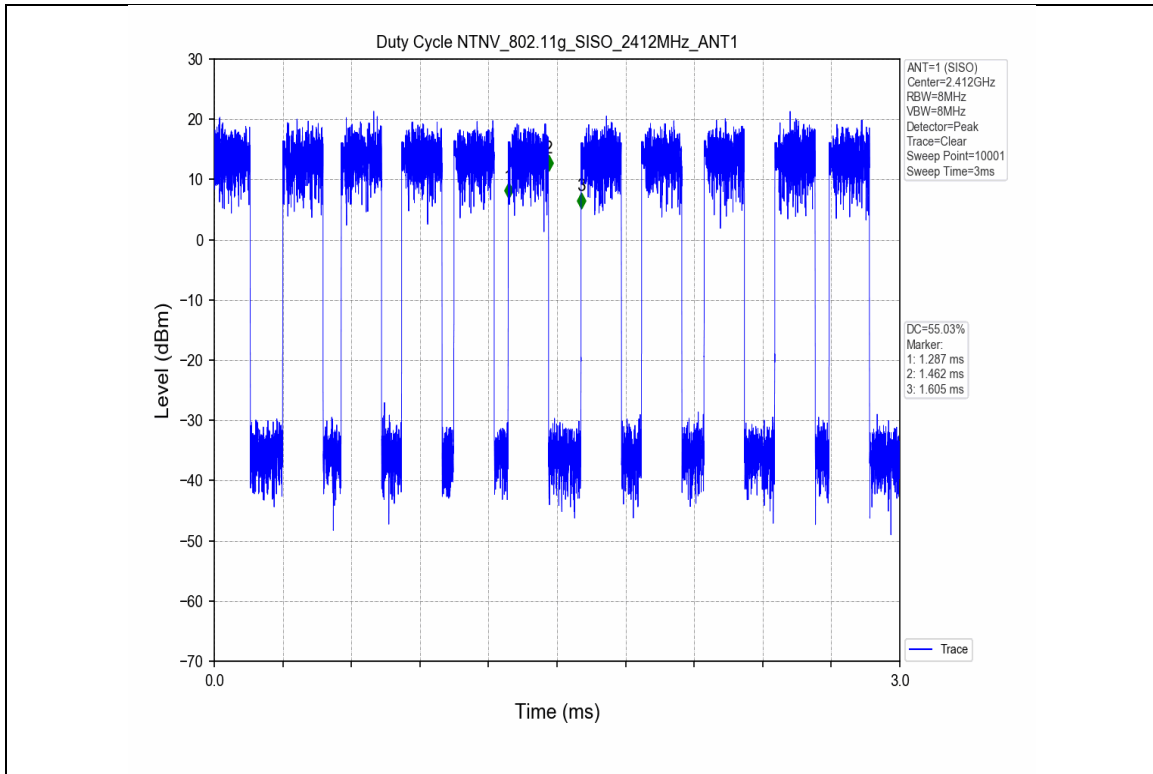


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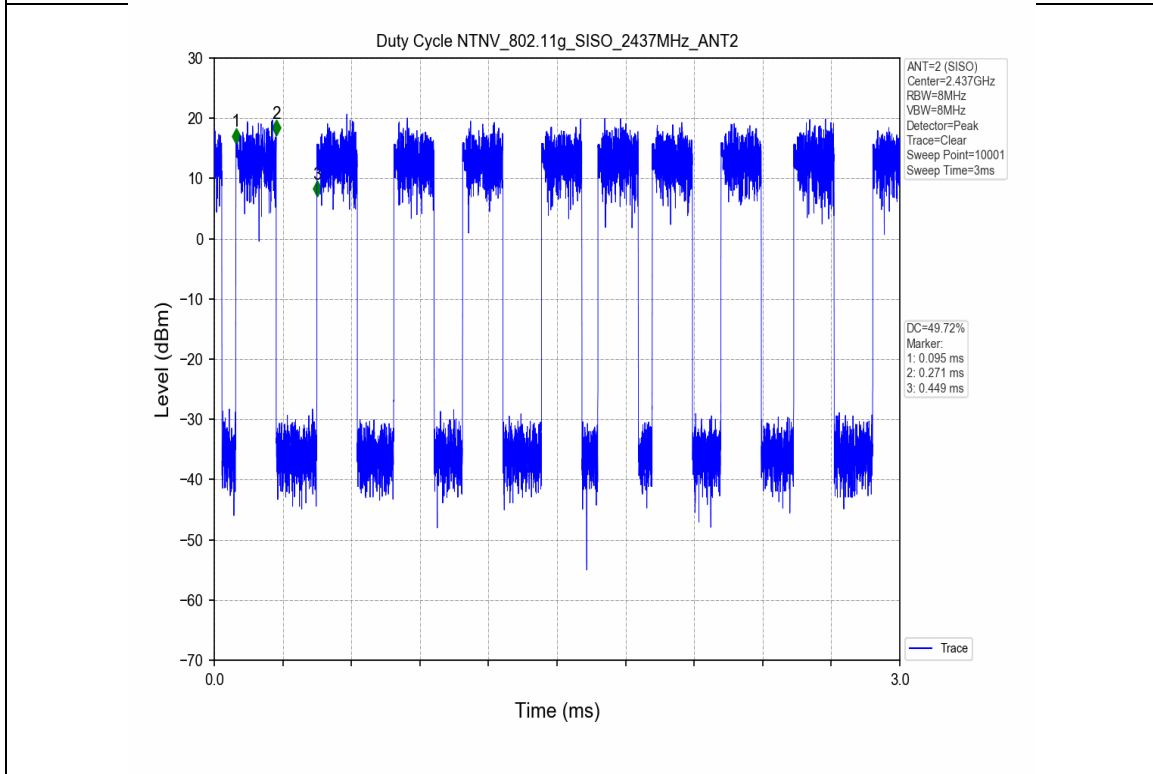
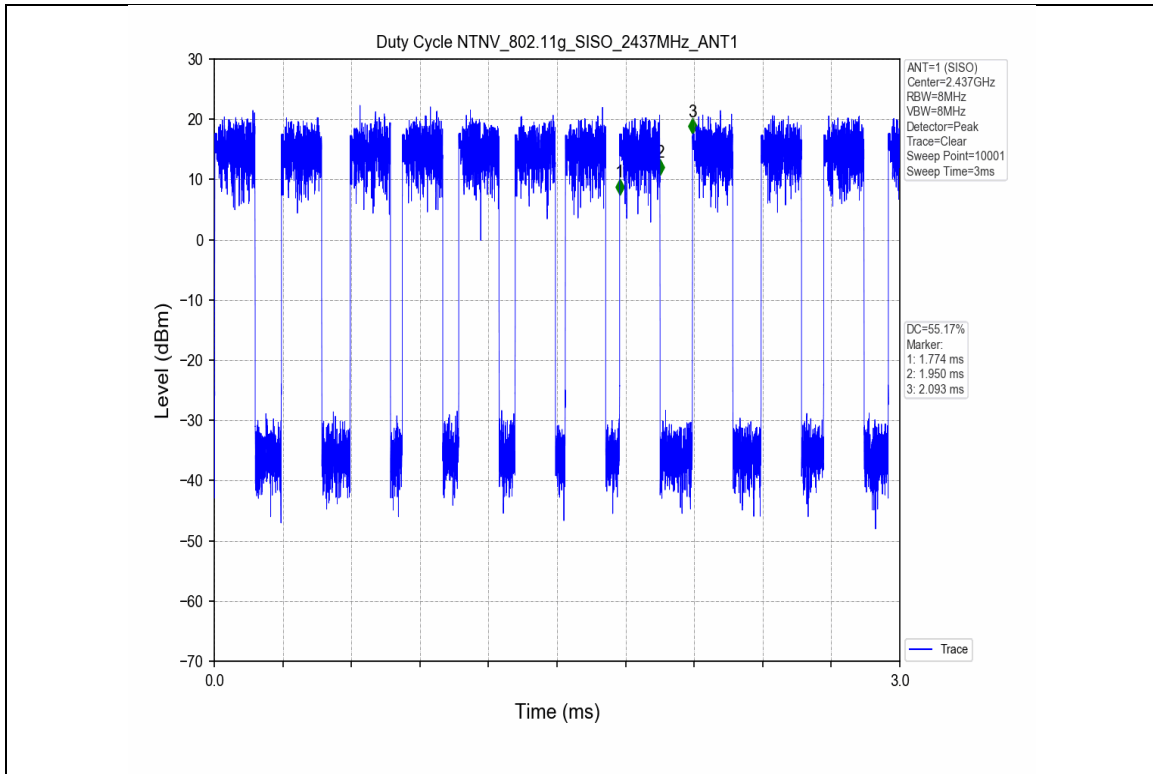
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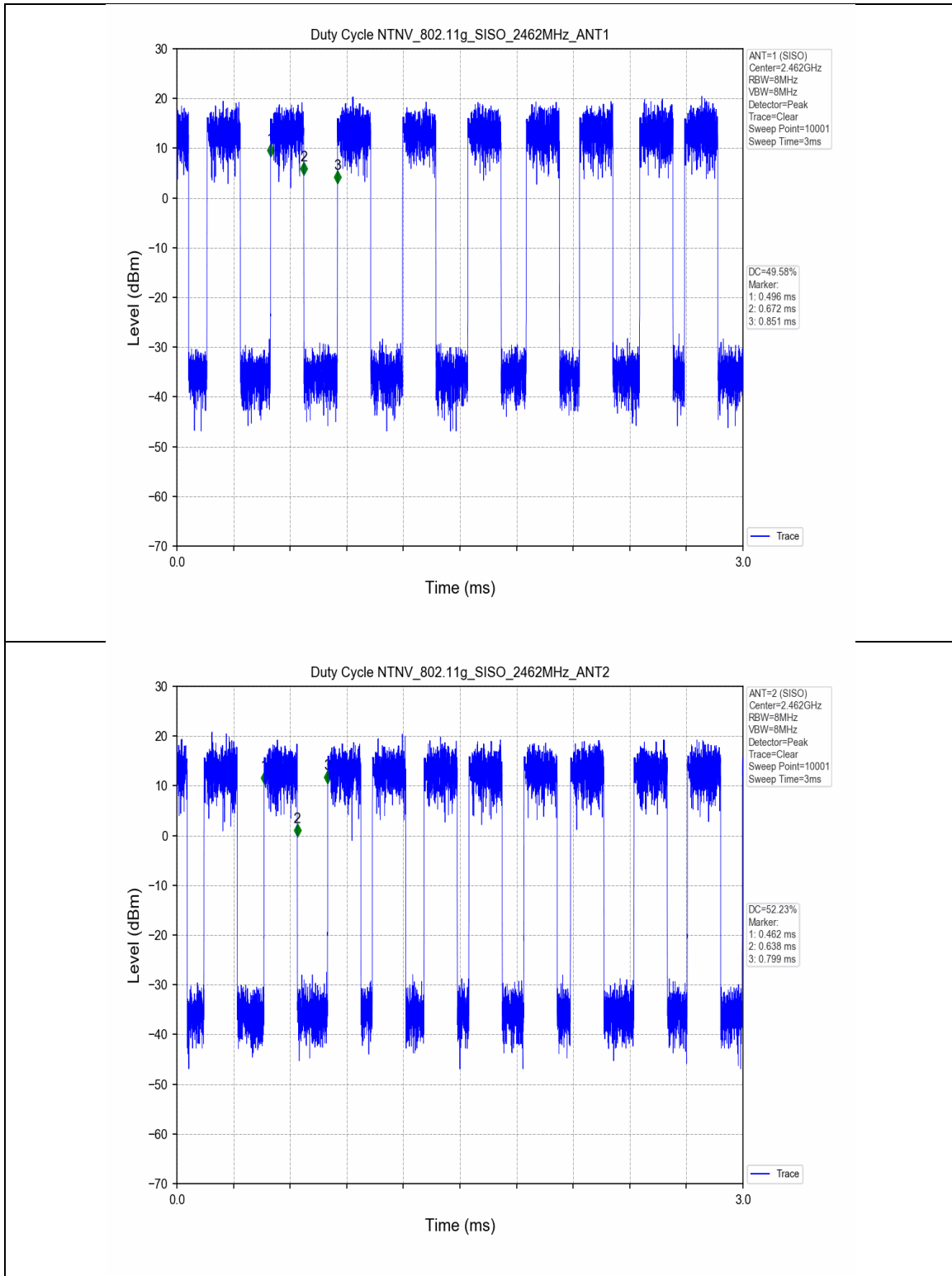
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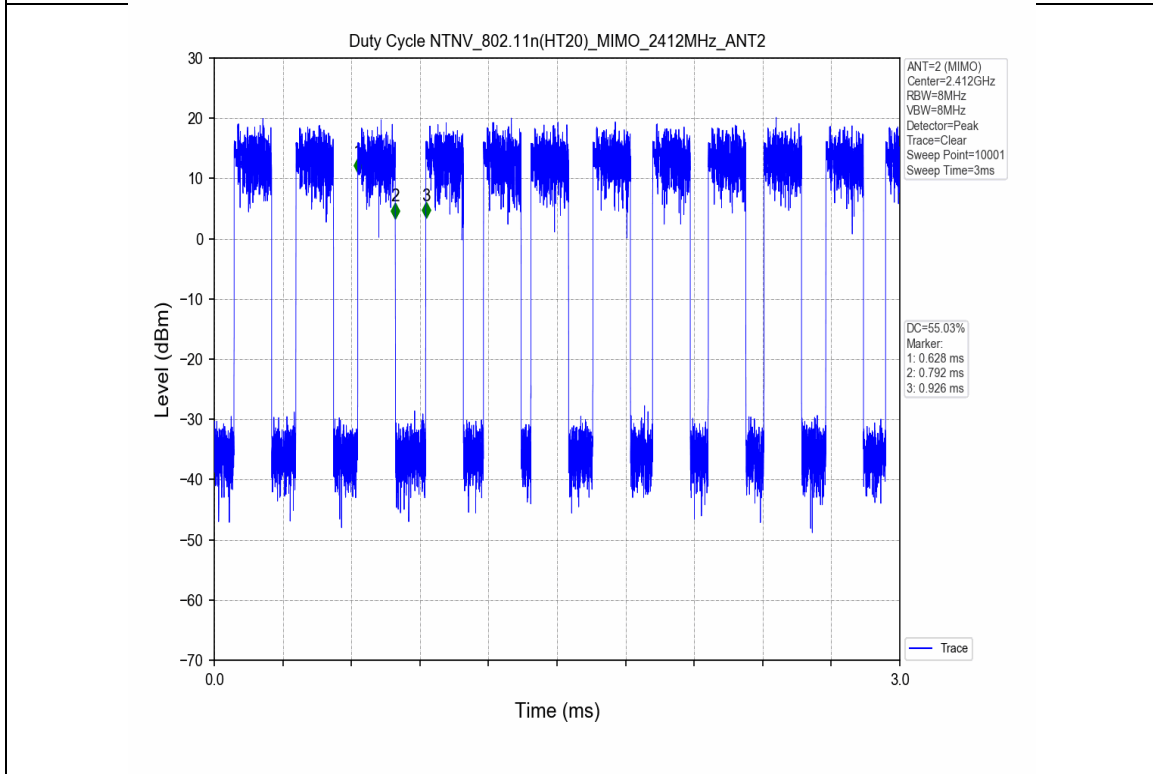
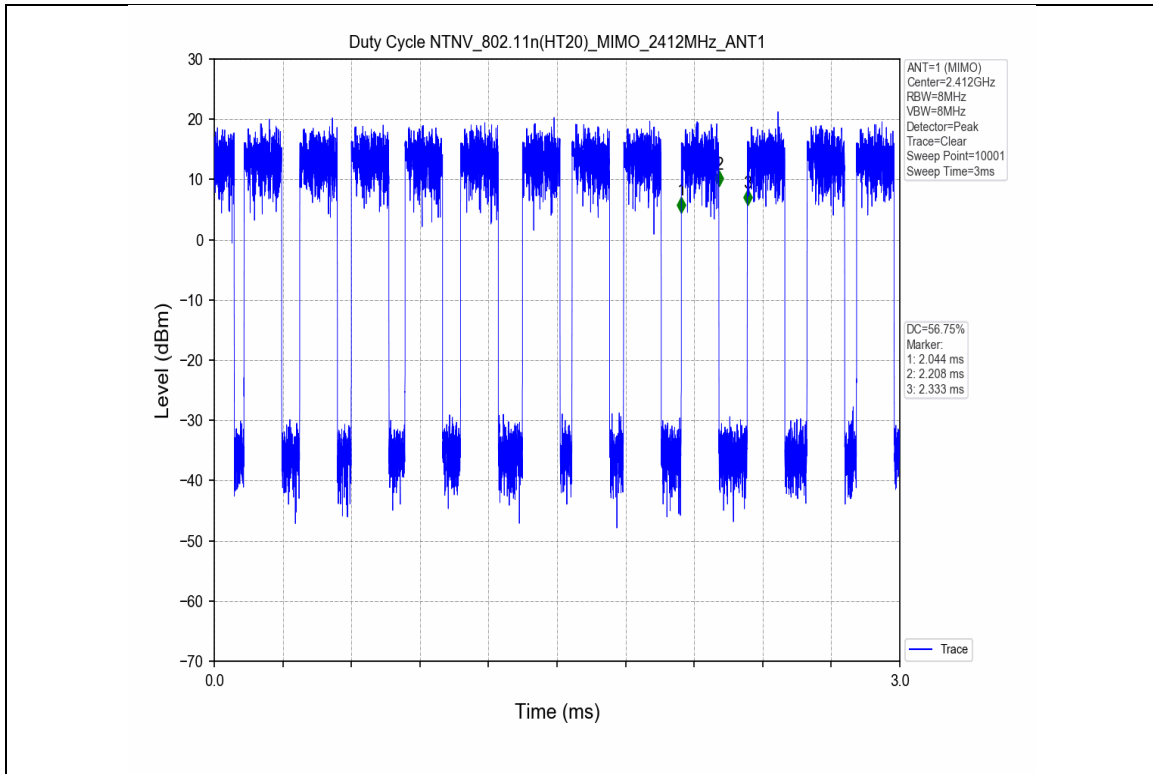
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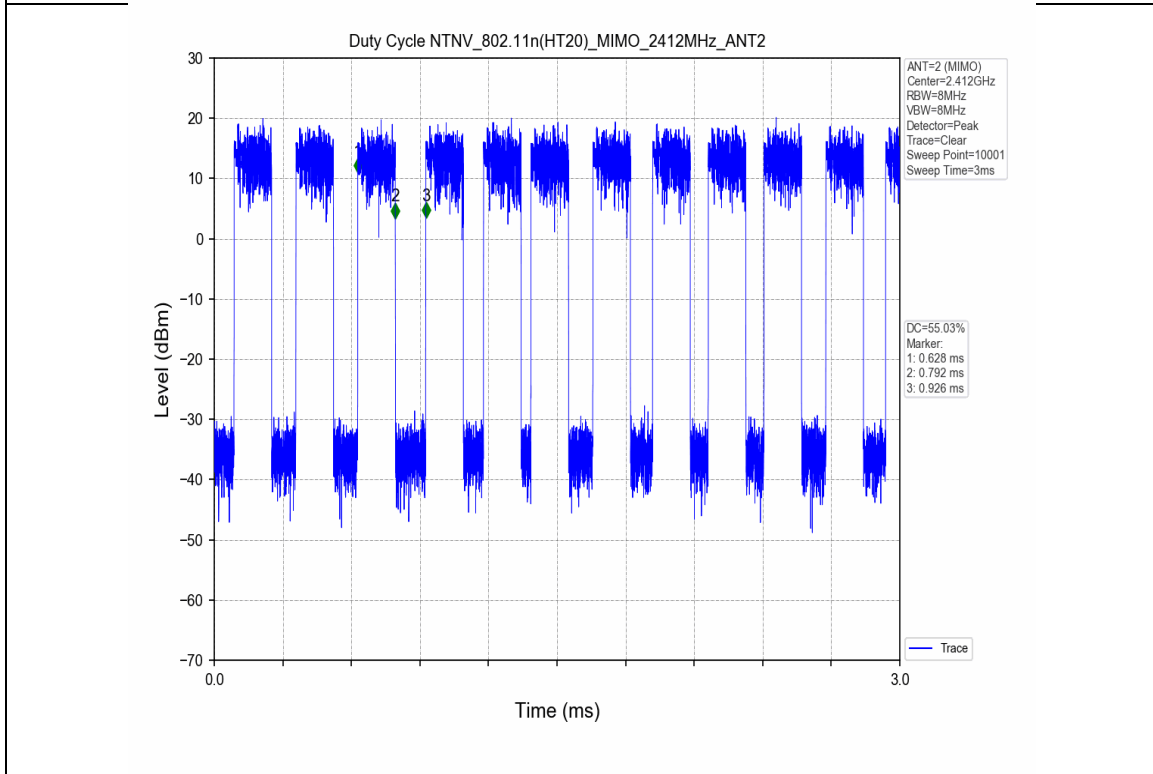
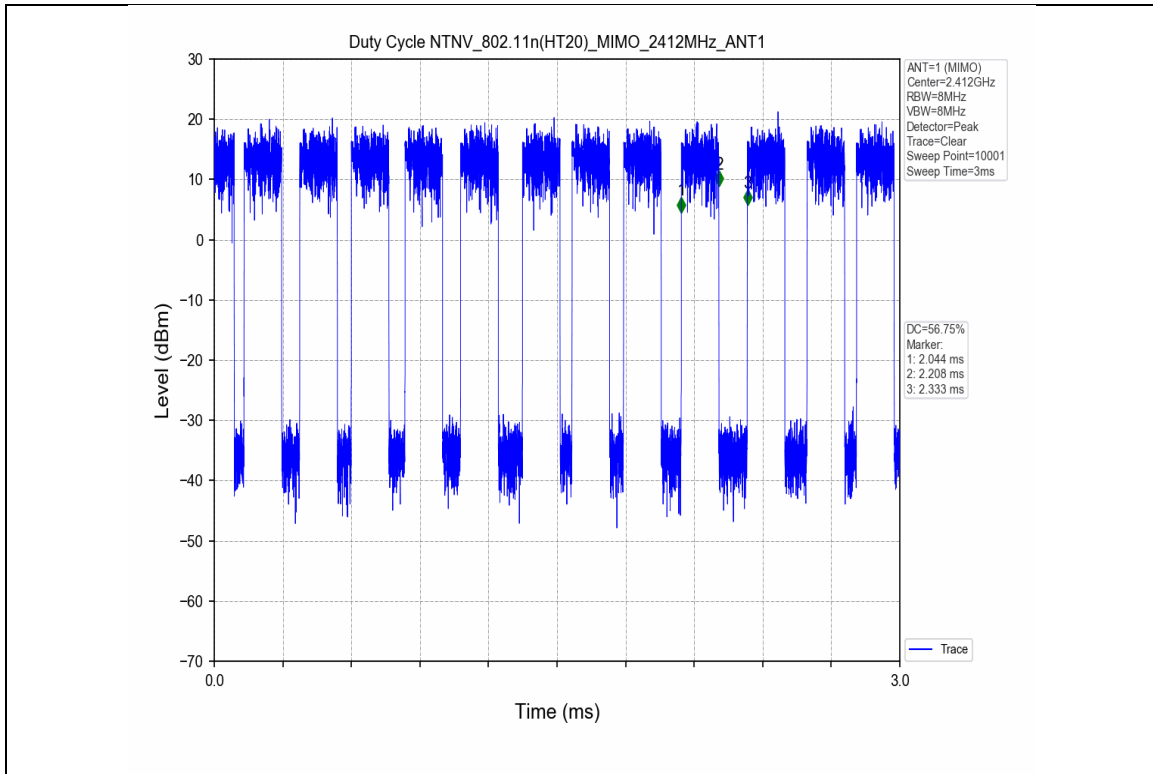
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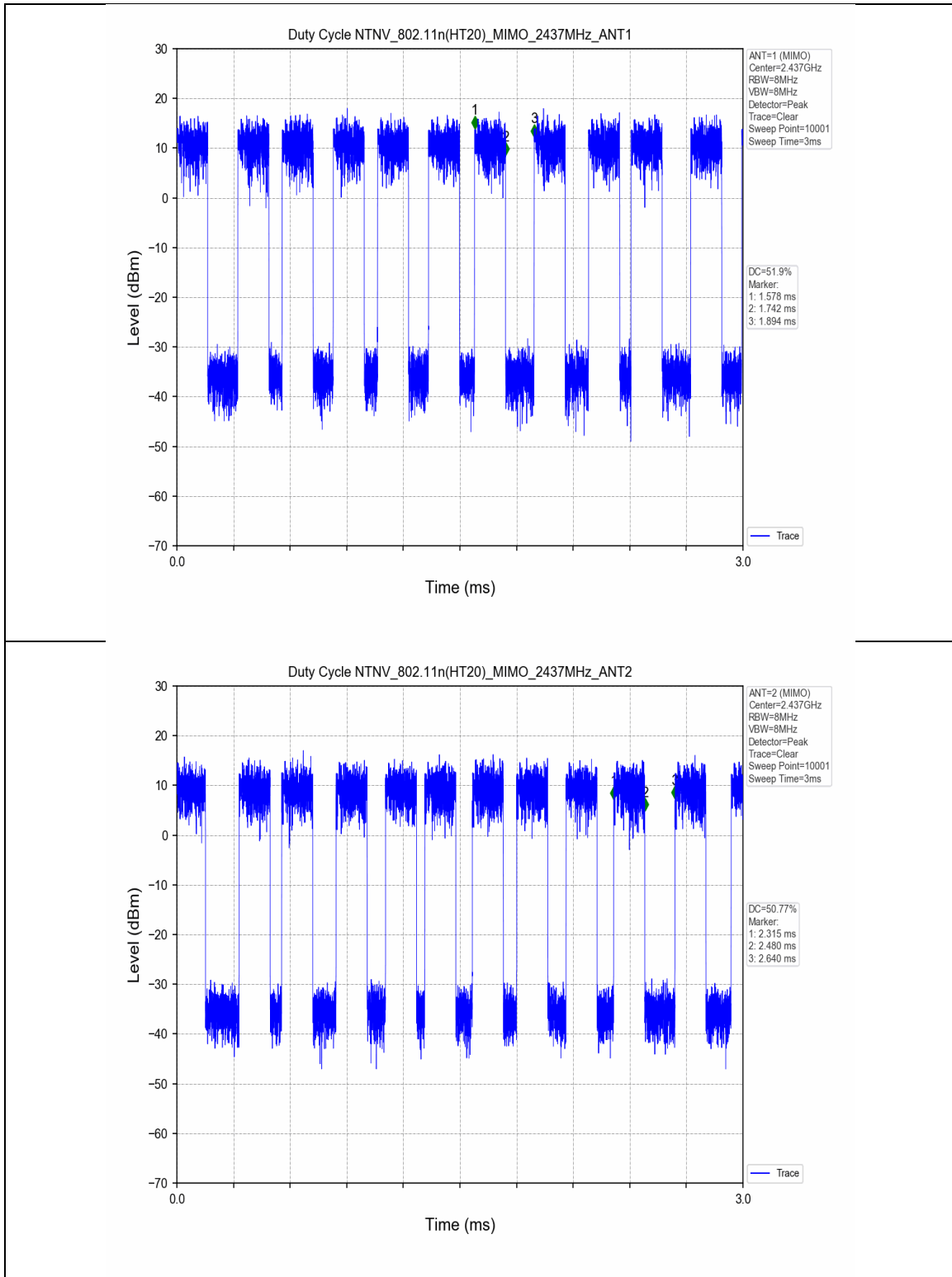
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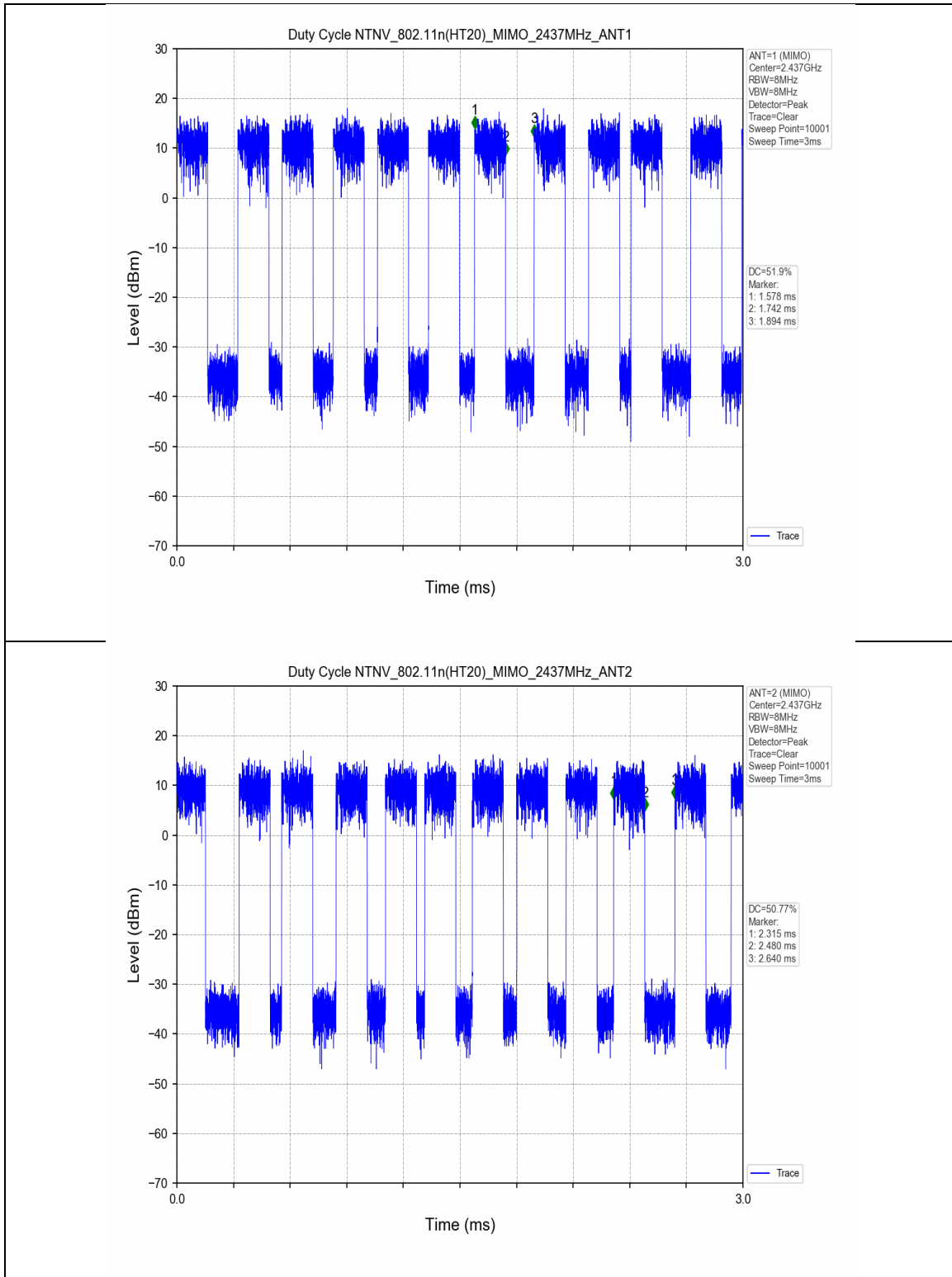
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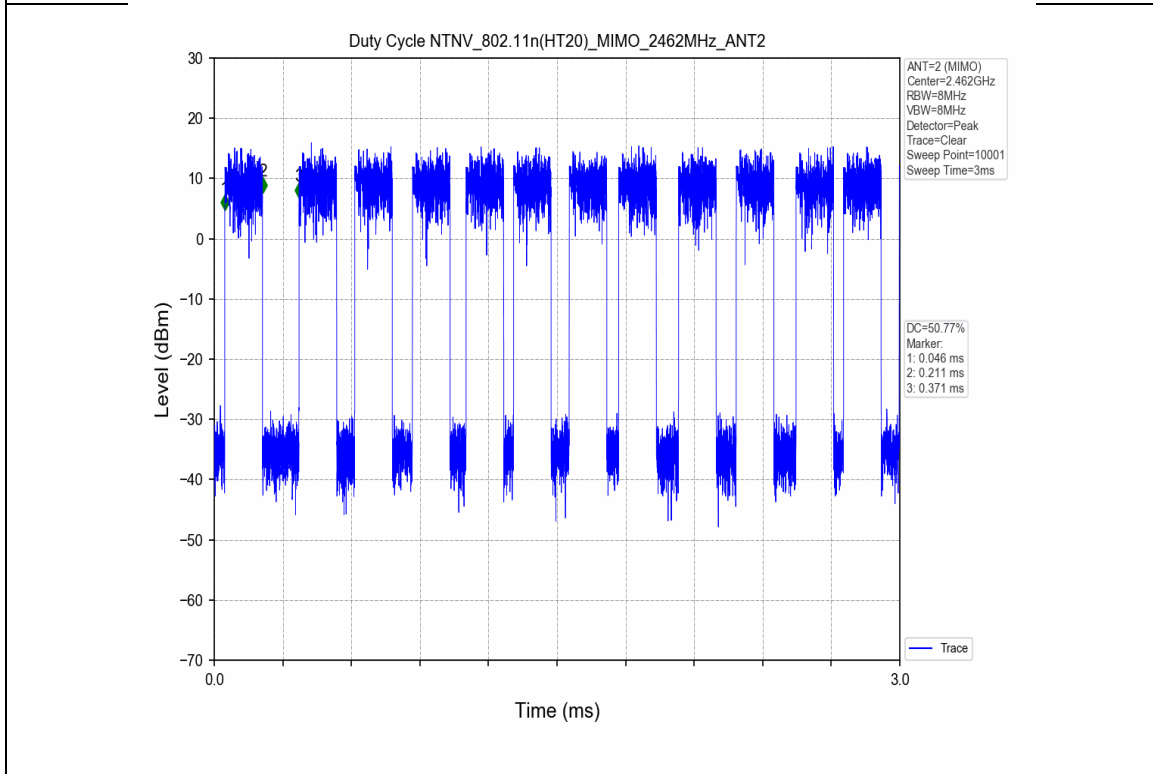
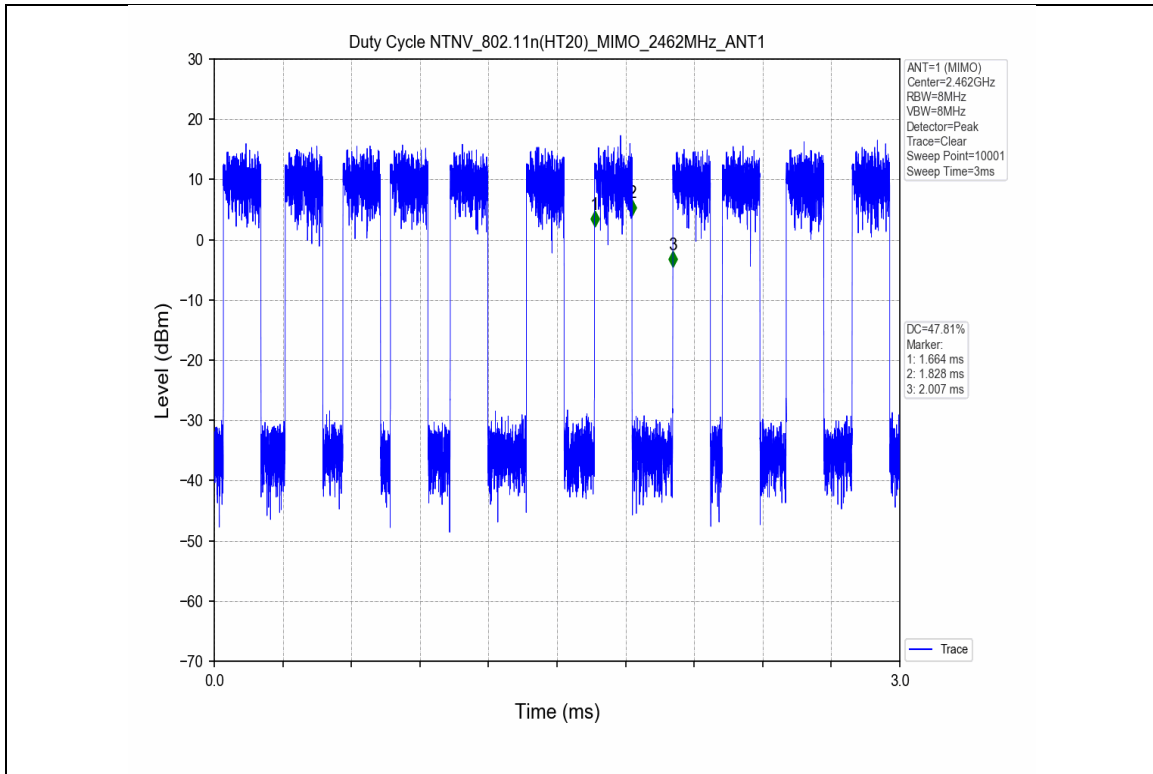
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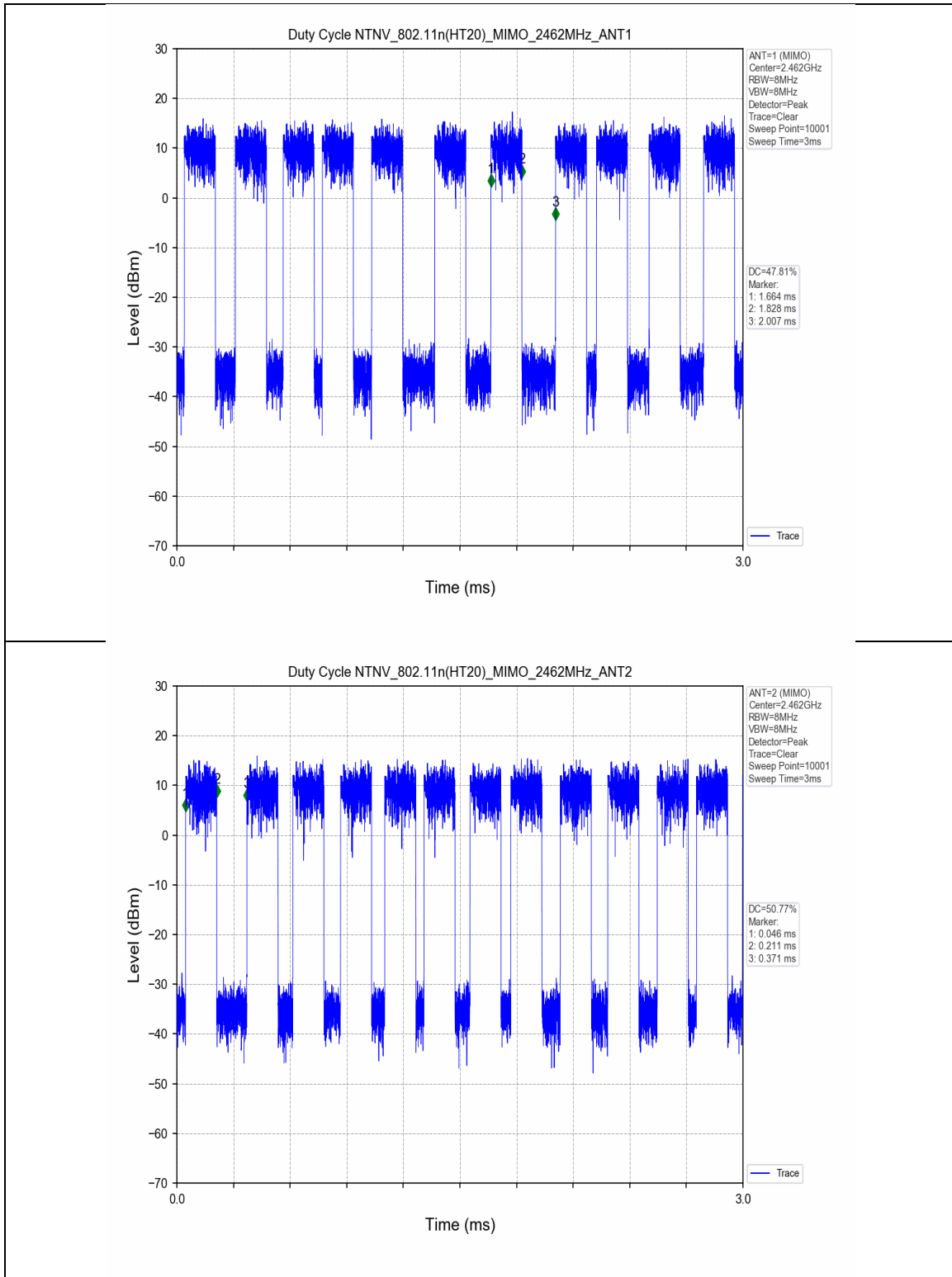
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2. Bandwidth

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	9.100	≥0.5	PASS
			2	9.574	≥0.5	PASS
	2437	SISO	1	9.090	≥0.5	PASS
			2	10.042	≥0.5	PASS
	2462	SISO	1	9.092	≥0.5	PASS
			2	9.098	≥0.5	PASS
802.11g	2412	SISO	1	15.135	≥0.5	PASS
			2	15.141	≥0.5	PASS
	2437	SISO	1	15.136	≥0.5	PASS
			2	15.146	≥0.5	PASS
	2462	SISO	1	15.760	≥0.5	PASS
			2	15.128	≥0.5	PASS
802.11n(HT20)	2412	MIMO	1	15.973	≥0.5	PASS
			2	15.133	≥0.5	PASS
	2437	MIMO	1	15.149	≥0.5	PASS
			2	15.133	≥0.5	PASS
	2462	MIMO	1	15.143	≥0.5	PASS
			2	15.143	≥0.5	PASS

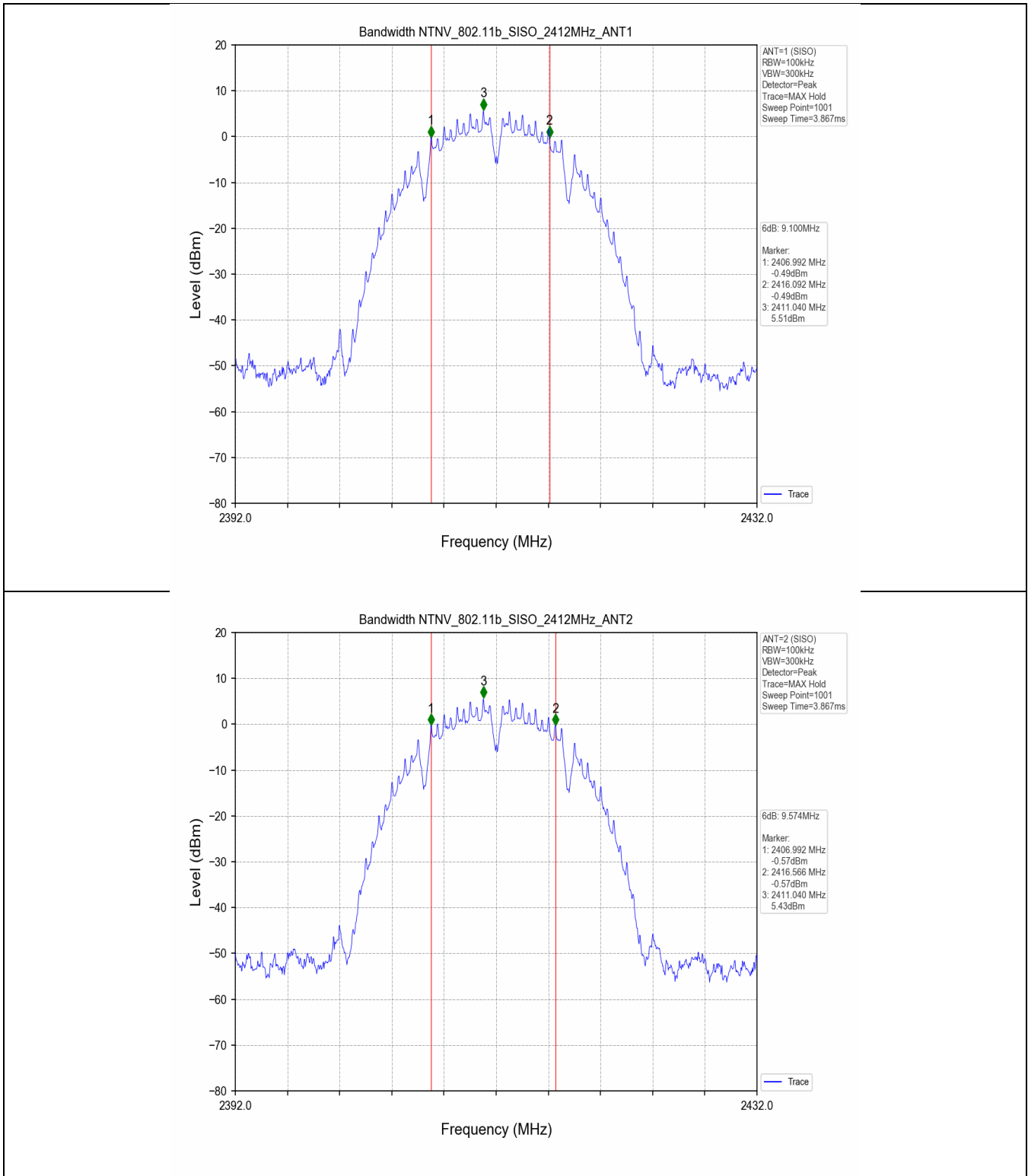
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	14.052	Only for Report Use
			2	14.028	Only for Report Use
	2437	SISO	1	14.022	Only for Report Use
			2	14.057	Only for Report Use
	2462	SISO	1	14.045	Only for Report Use
			2	14.080	Only for Report Use
802.11g	2412	SISO	1	16.462	Only for Report Use
			2	16.468	Only for Report Use
	2437	SISO	1	16.465	Only for Report Use
			2	16.506	Only for Report Use
	2462	SISO	1	16.486	Only for Report Use
			2	16.448	Only for Report Use
802.11n(HT20)	2412	MIMO	1	17.559	Only for Report Use
			2	17.609	Only for Report Use
	2437	MIMO	1	17.578	Only for Report Use
			2	17.635	Only for Report Use
	2462	MIMO	1	17.578	Only for Report Use
			2	17.650	Only for Report Use

2.2 Test Graph - 6dB Bandwidth



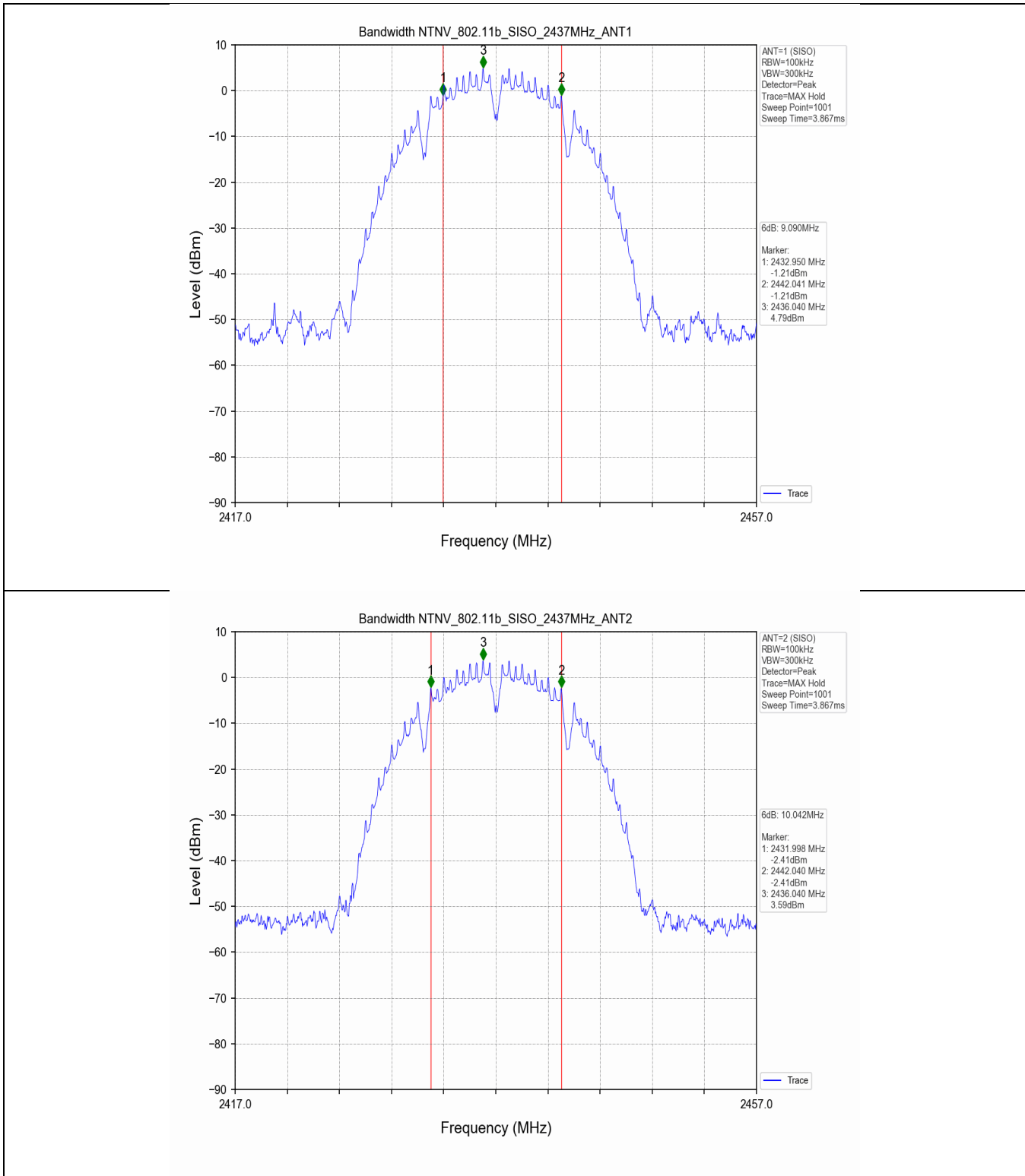
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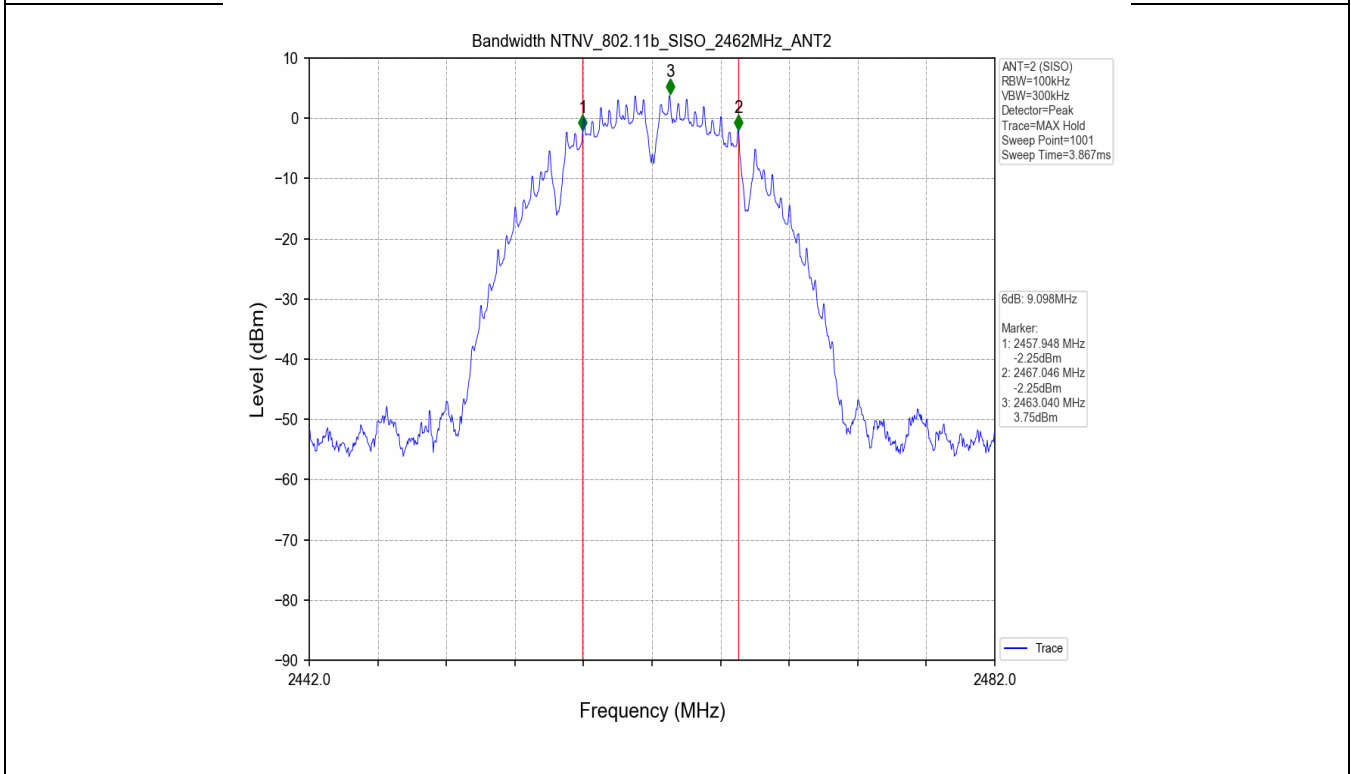
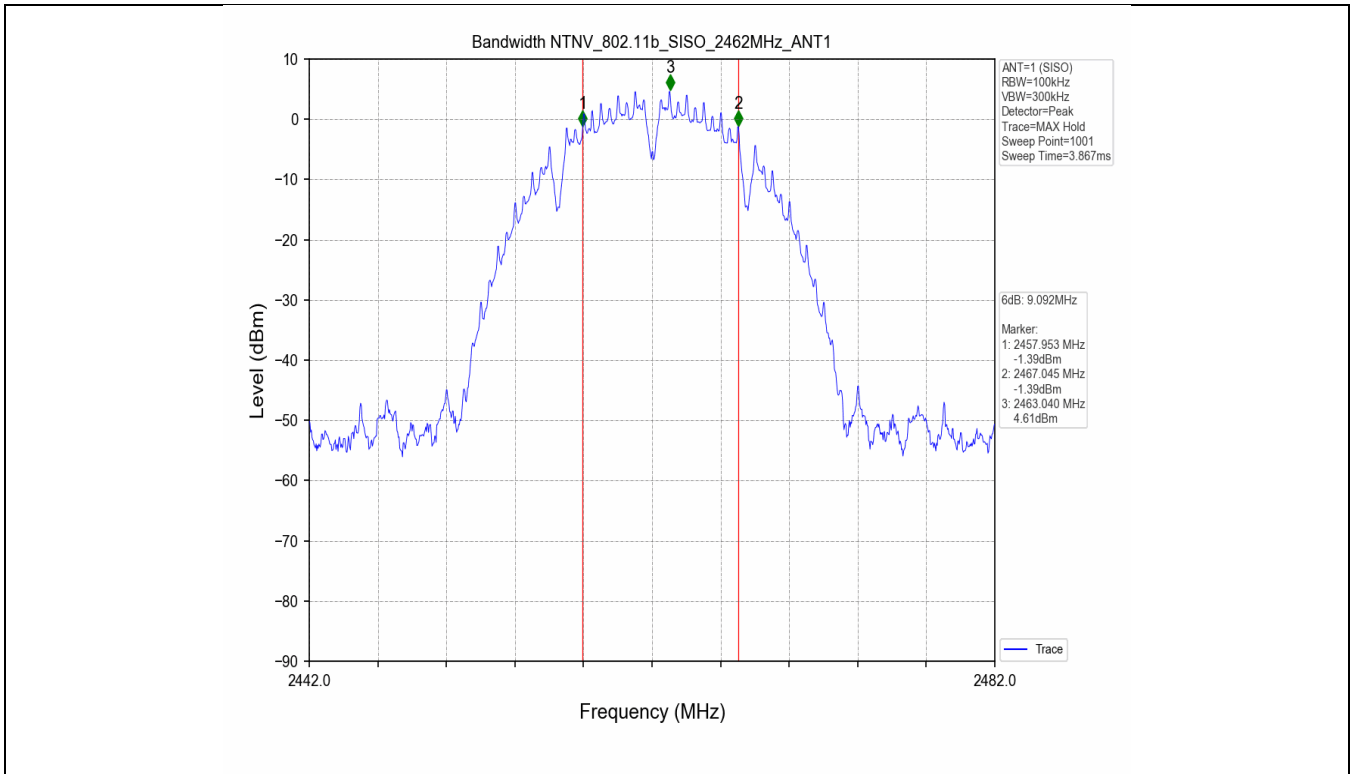
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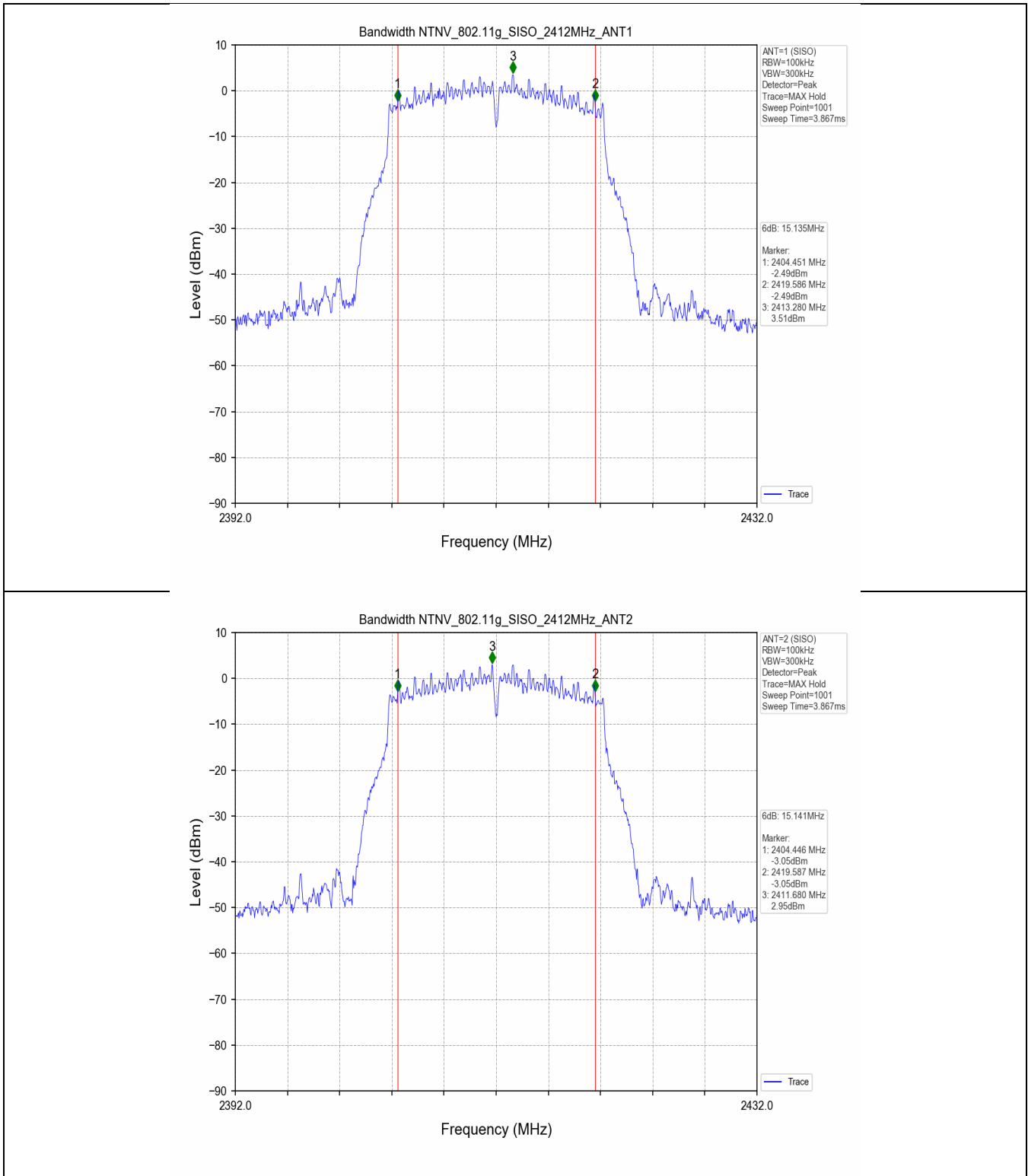
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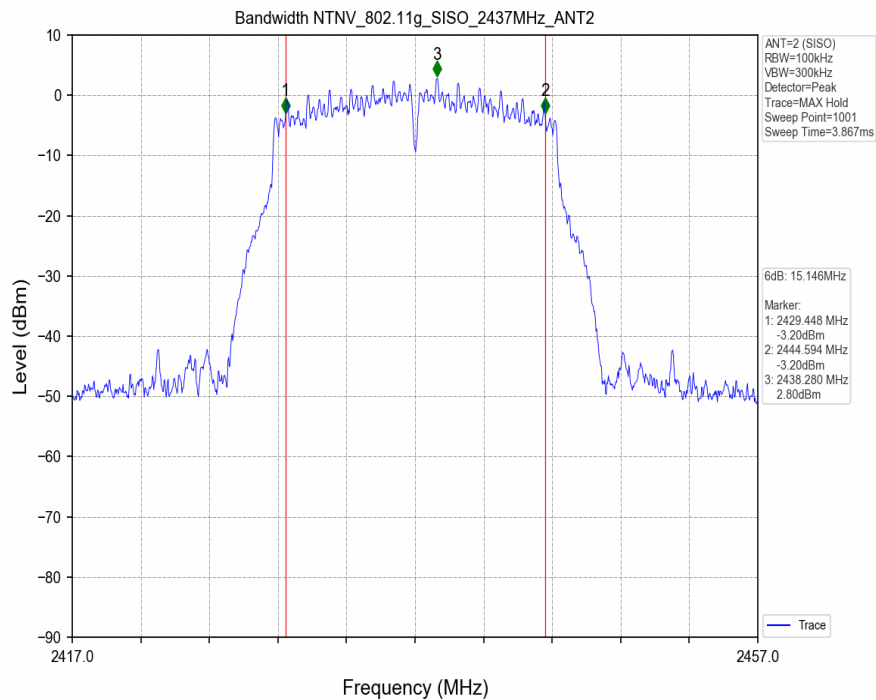
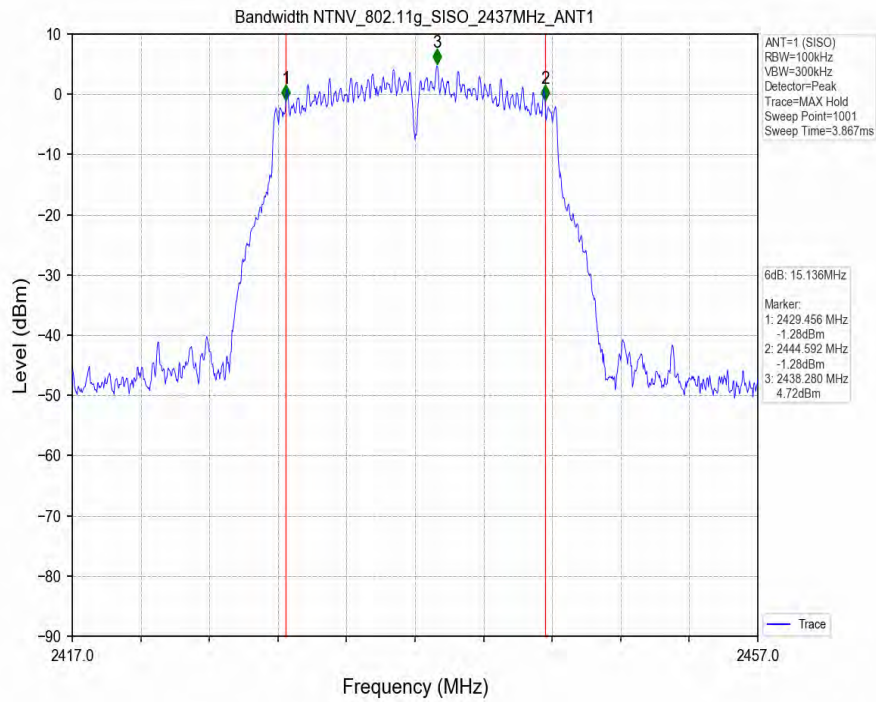
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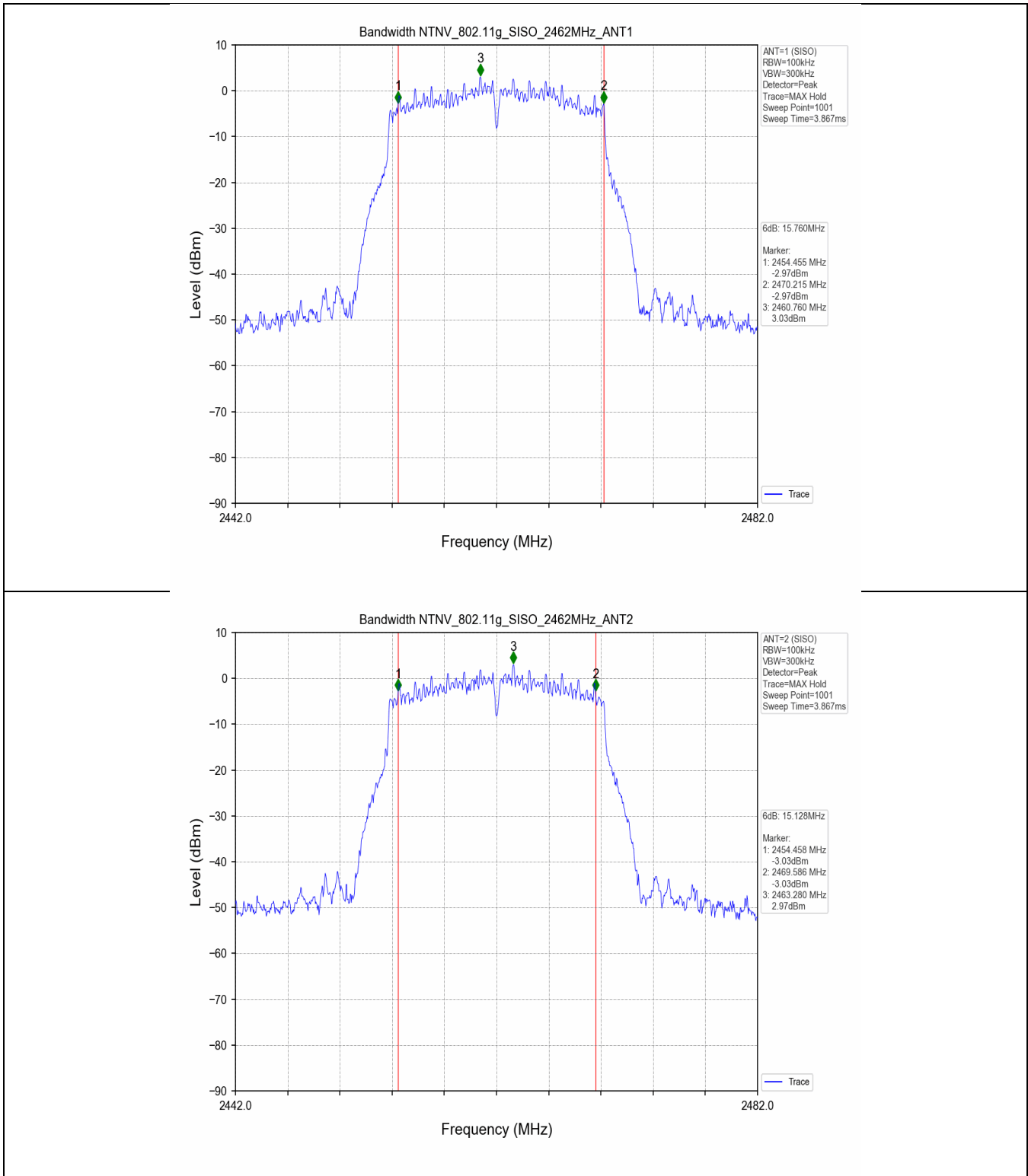
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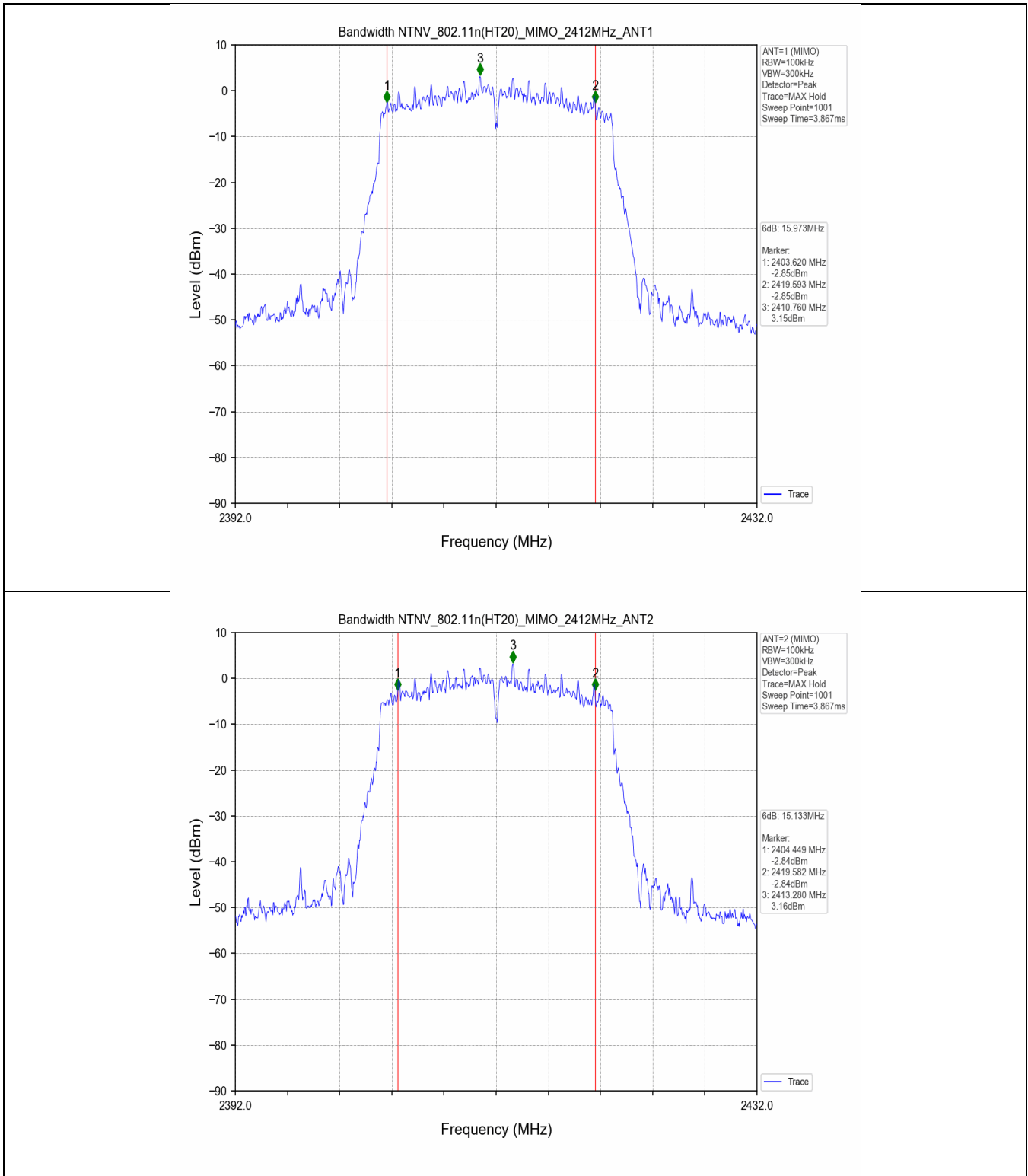
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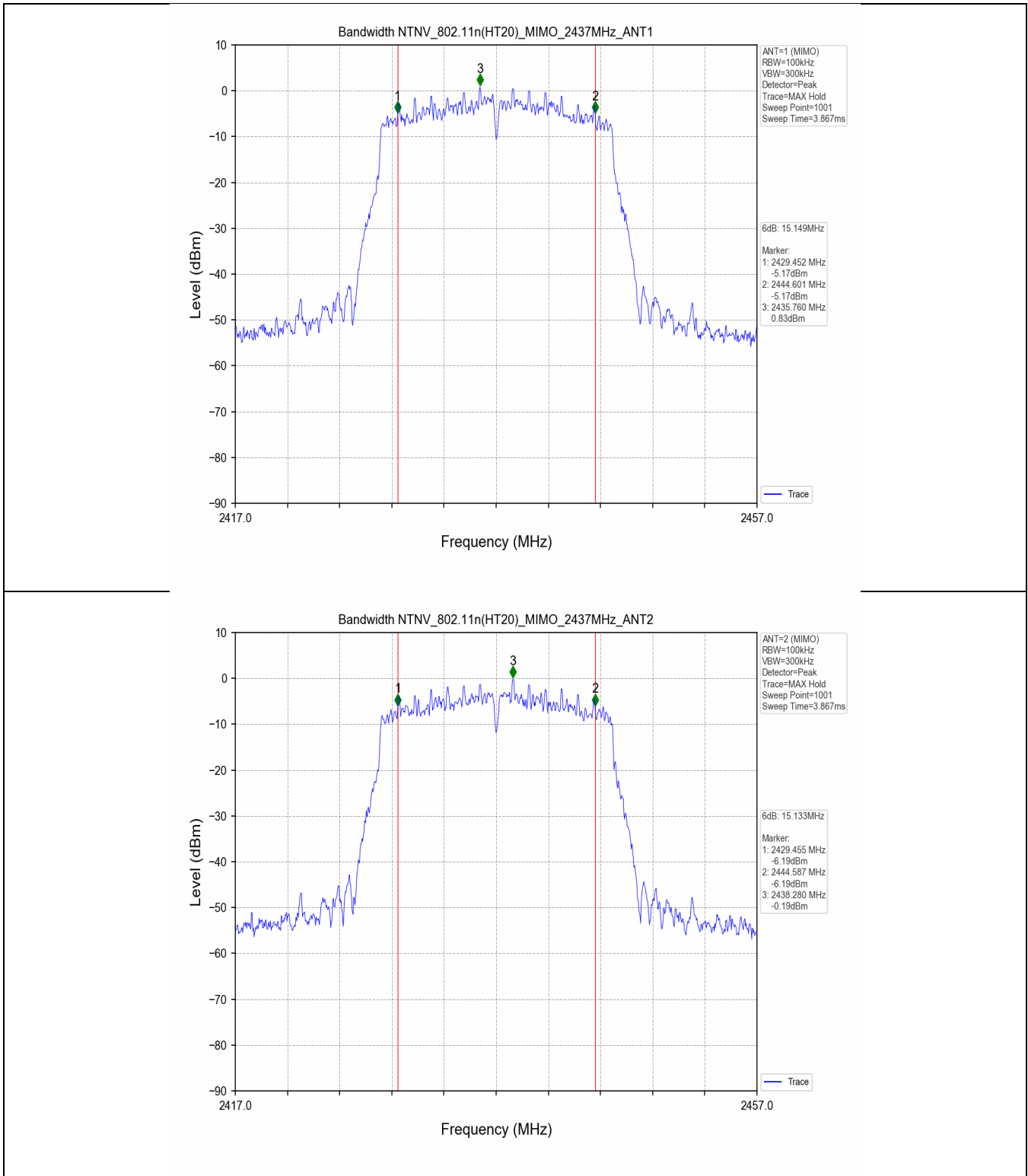


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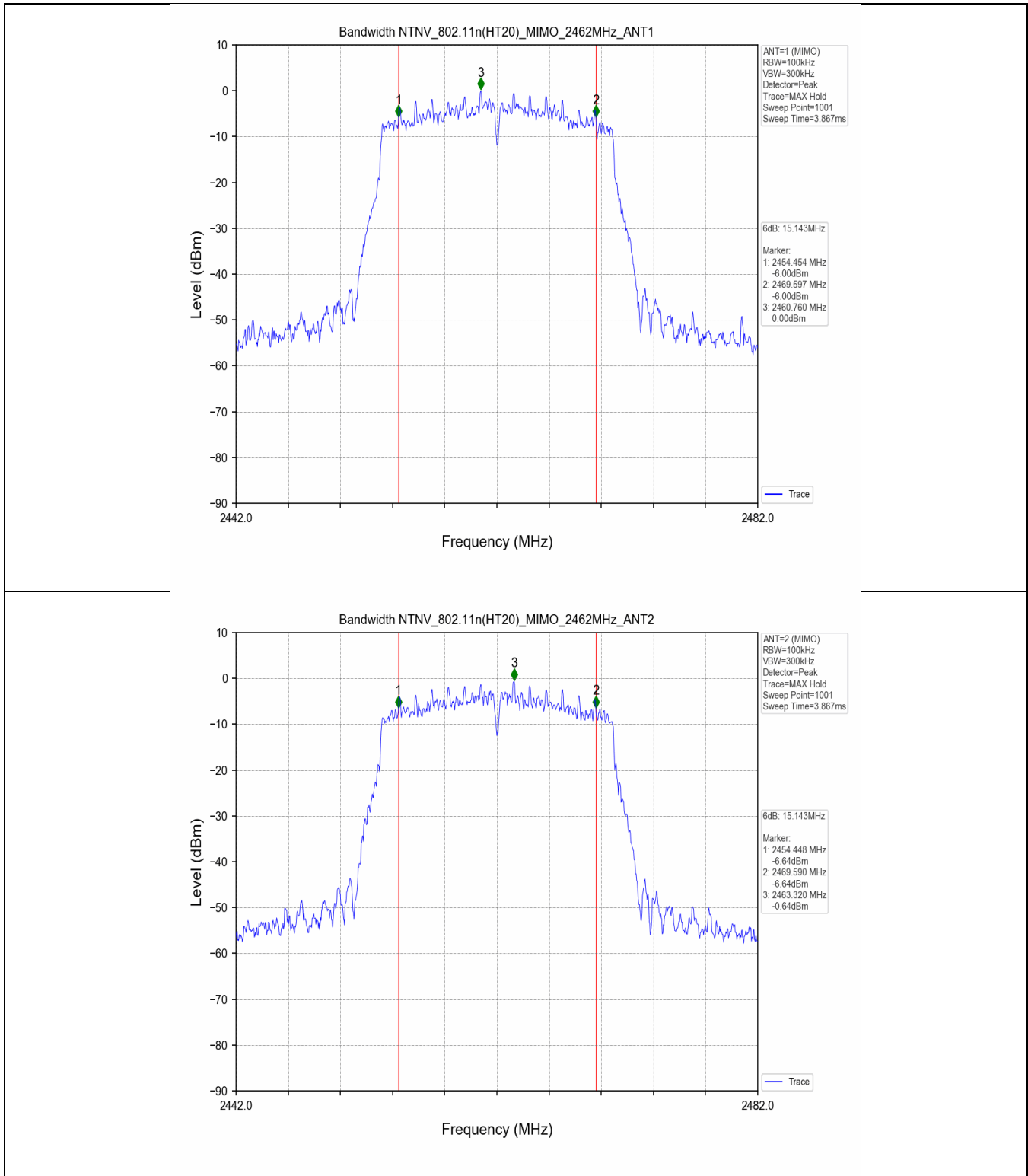


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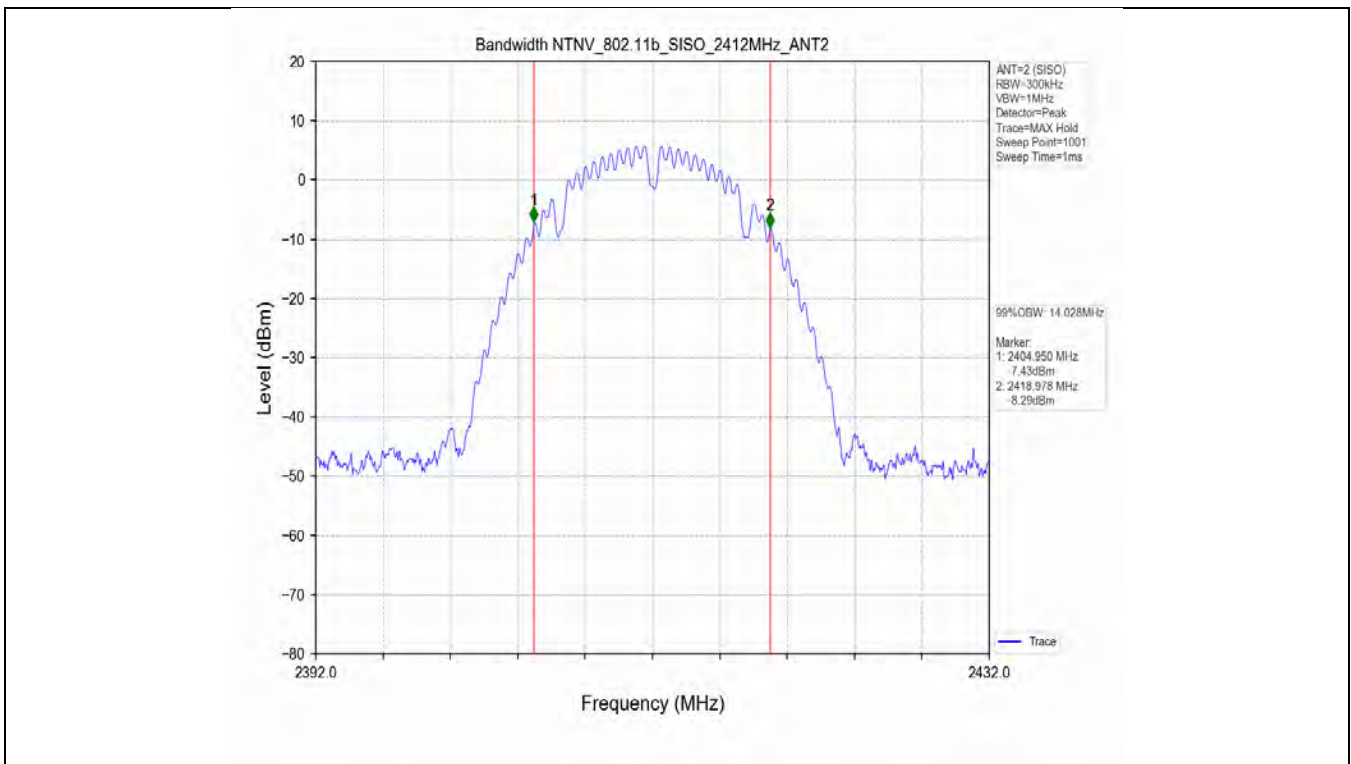
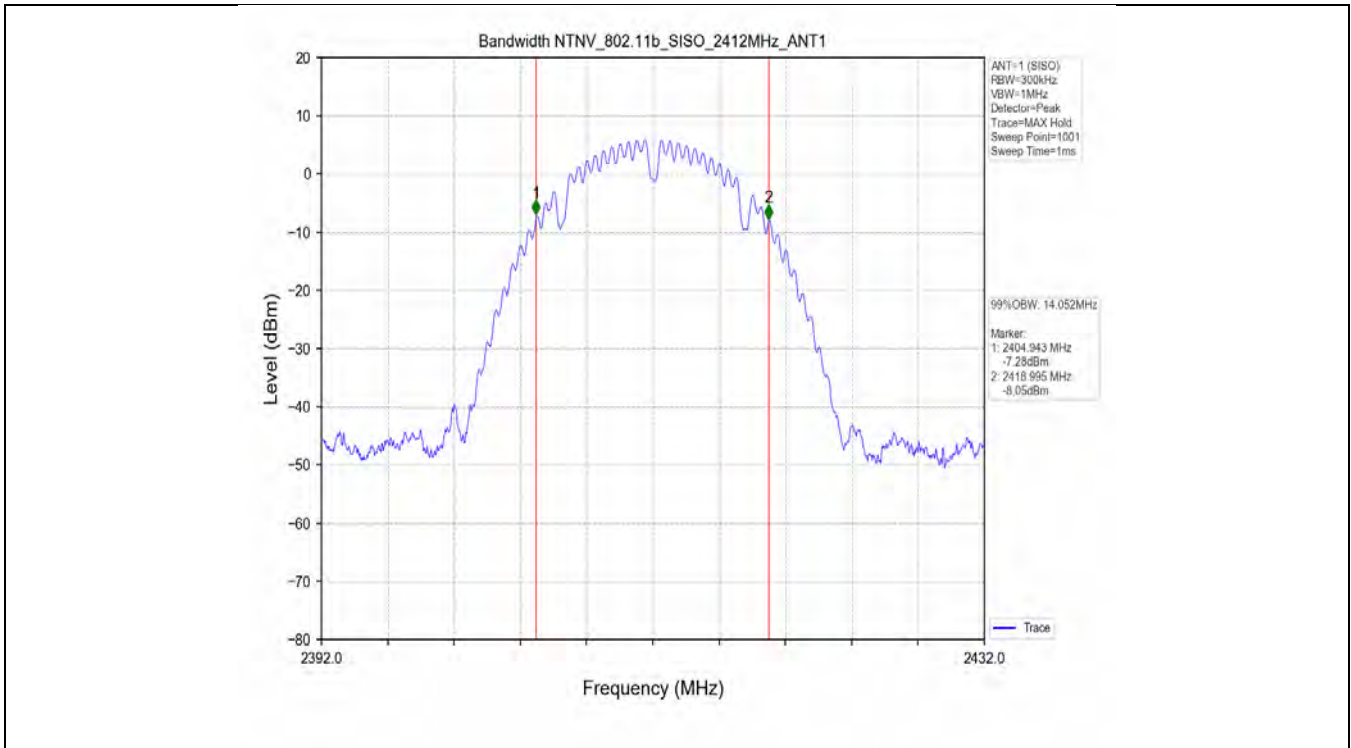


2.3 Test Graph - 99% Occupied Bandwidth

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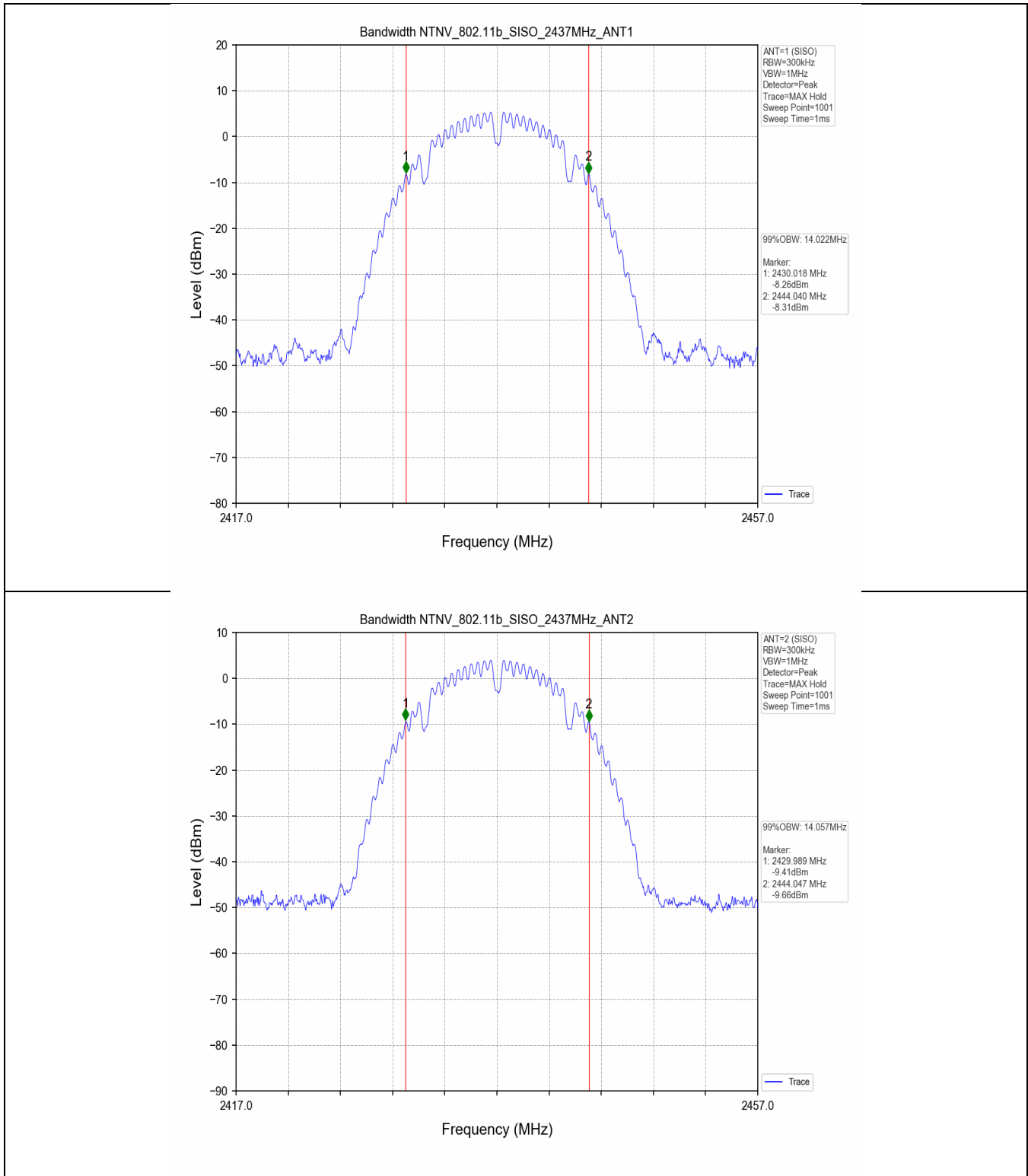
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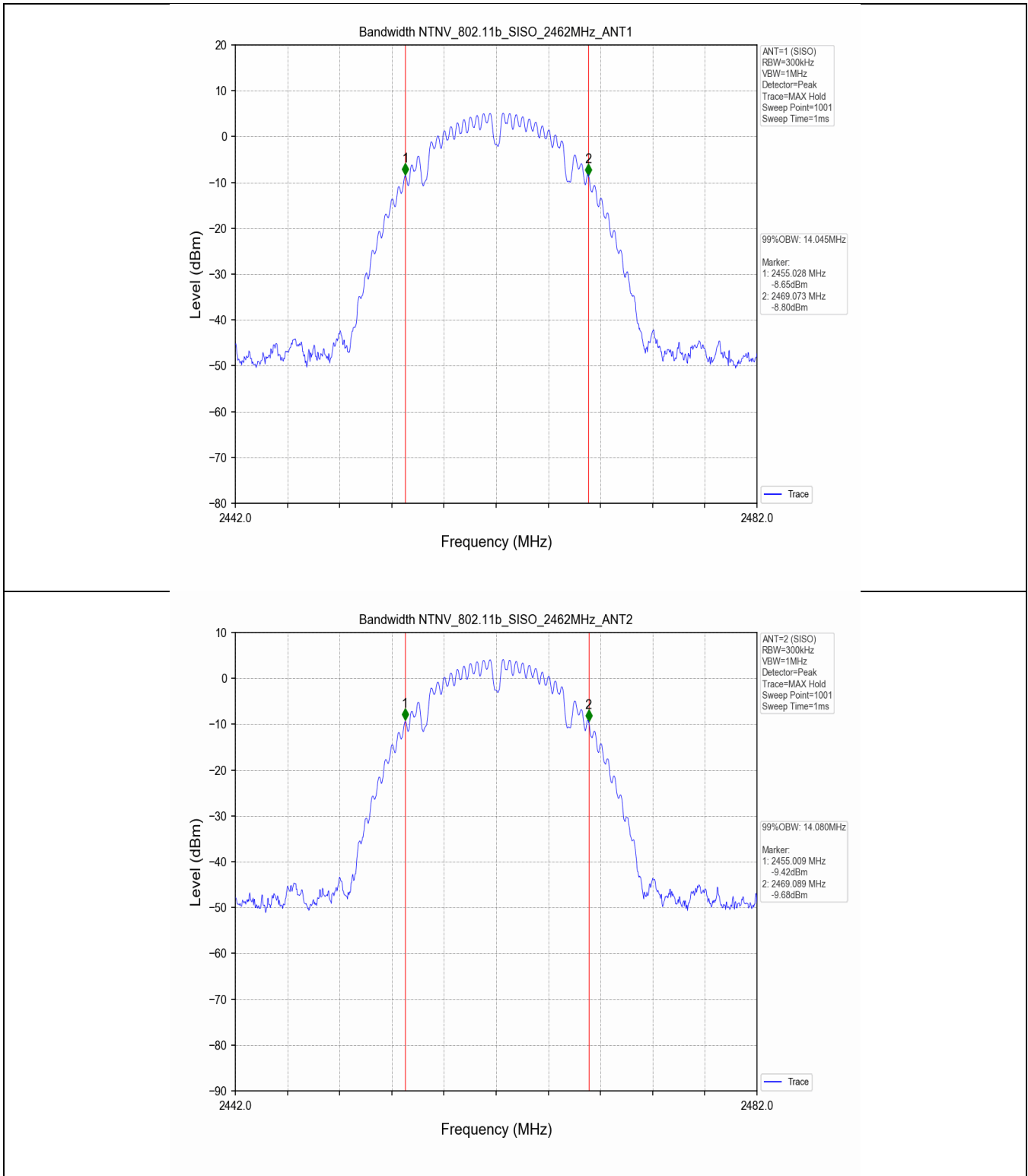
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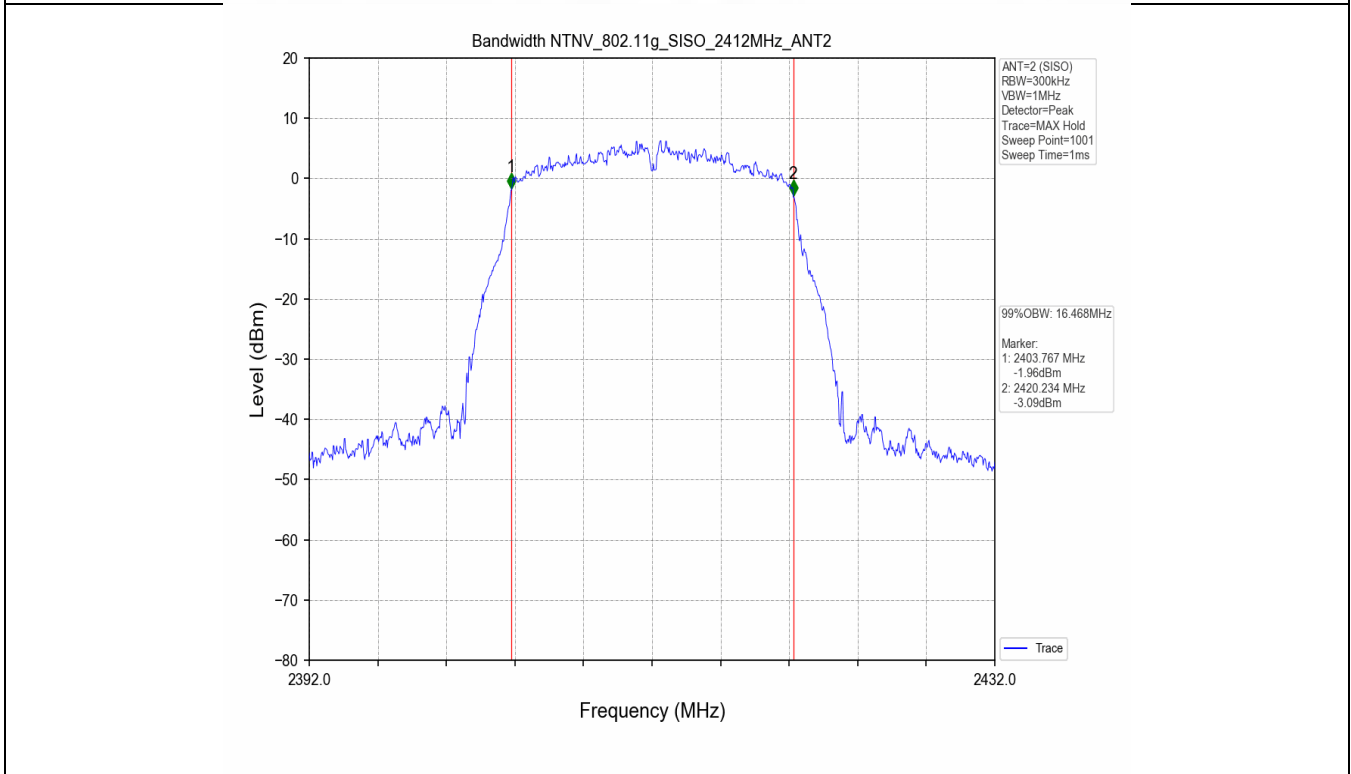
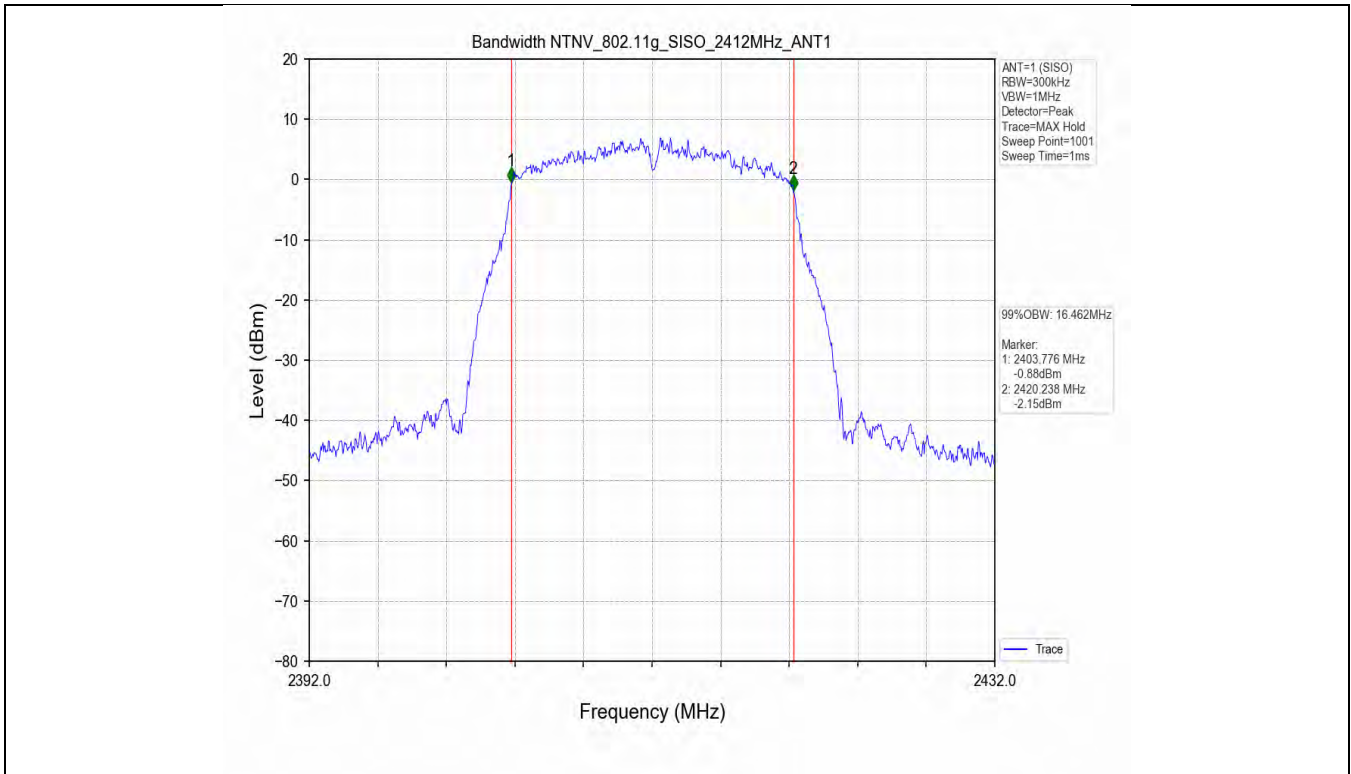
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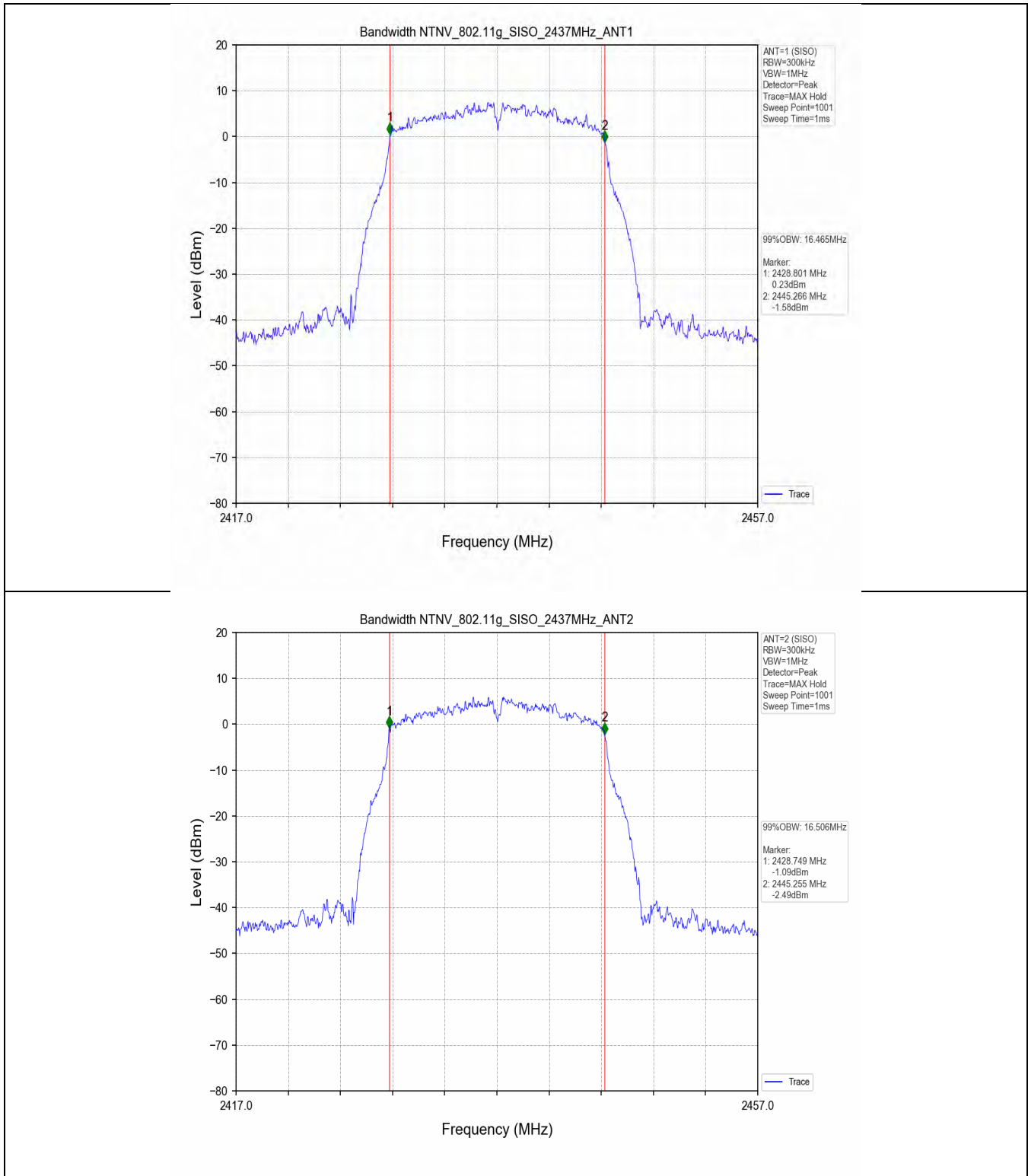
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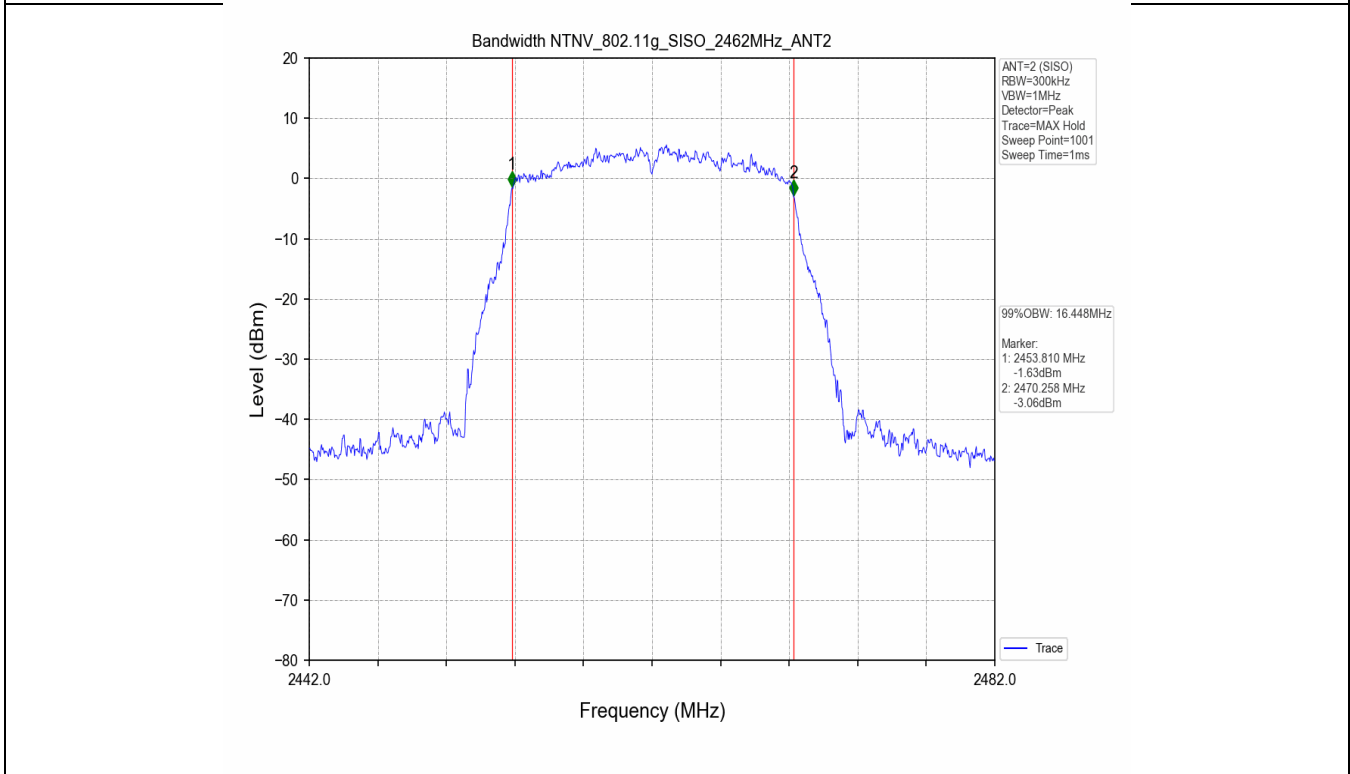
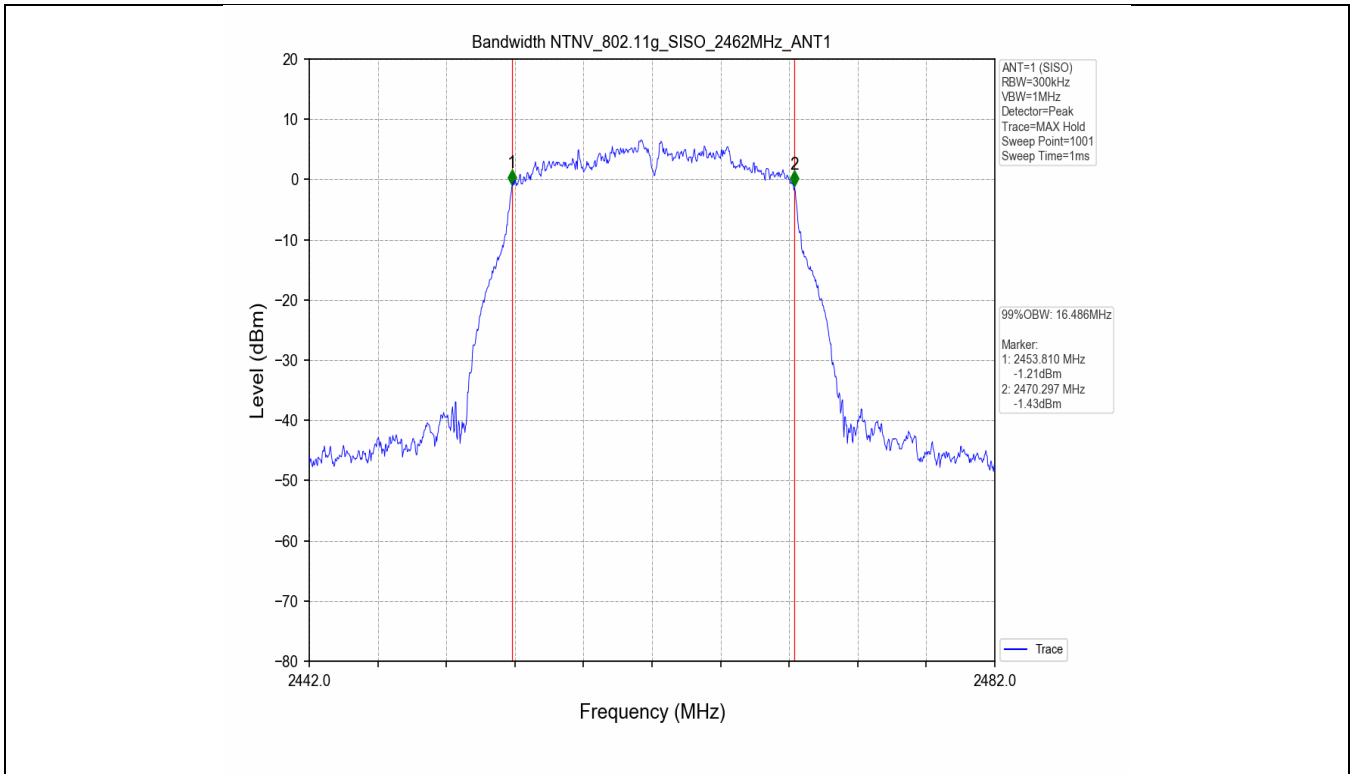
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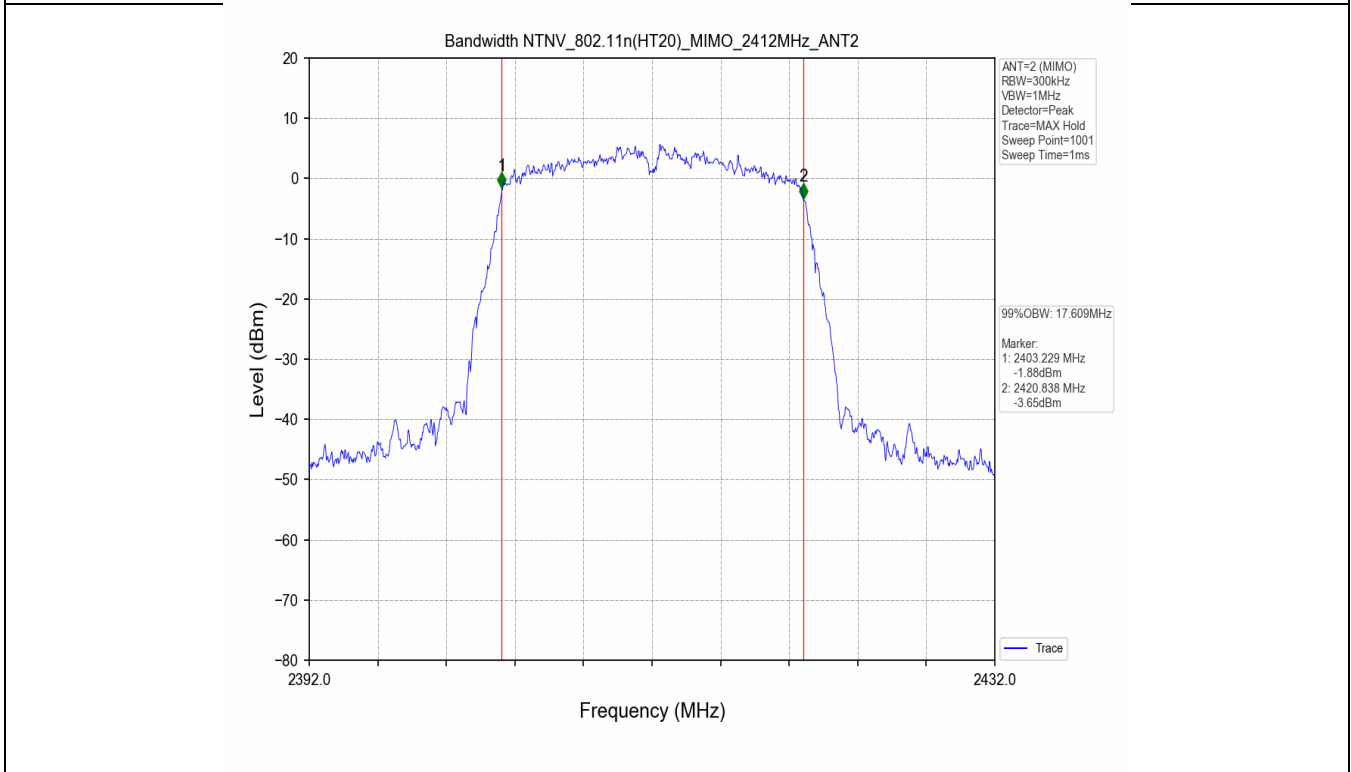
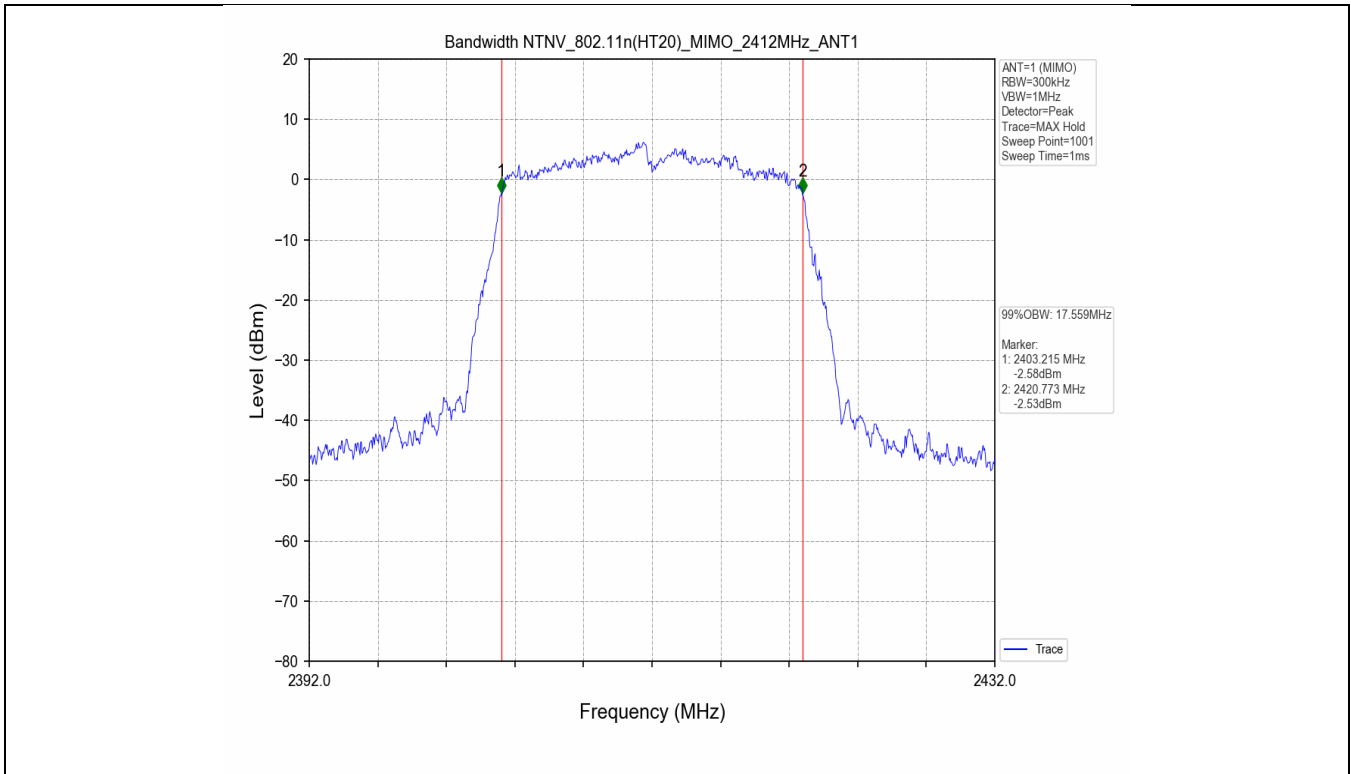
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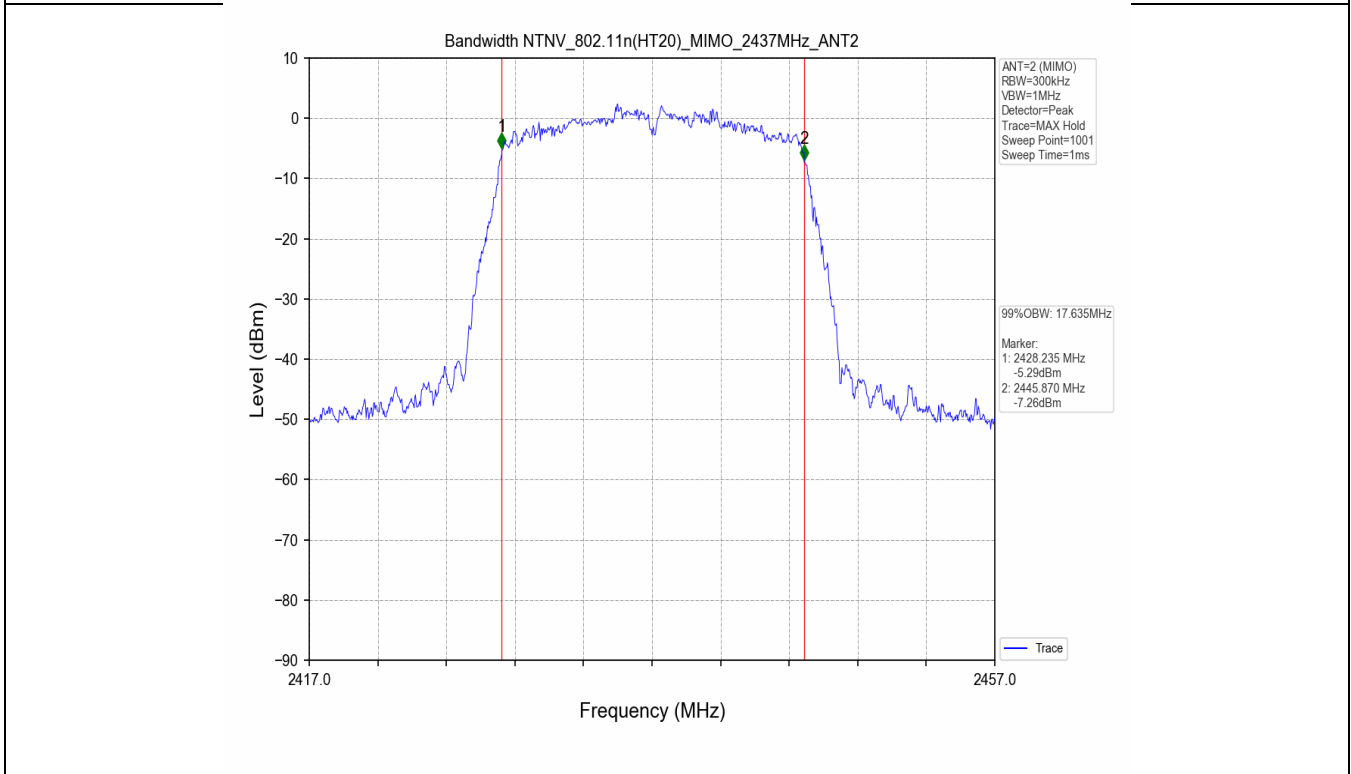
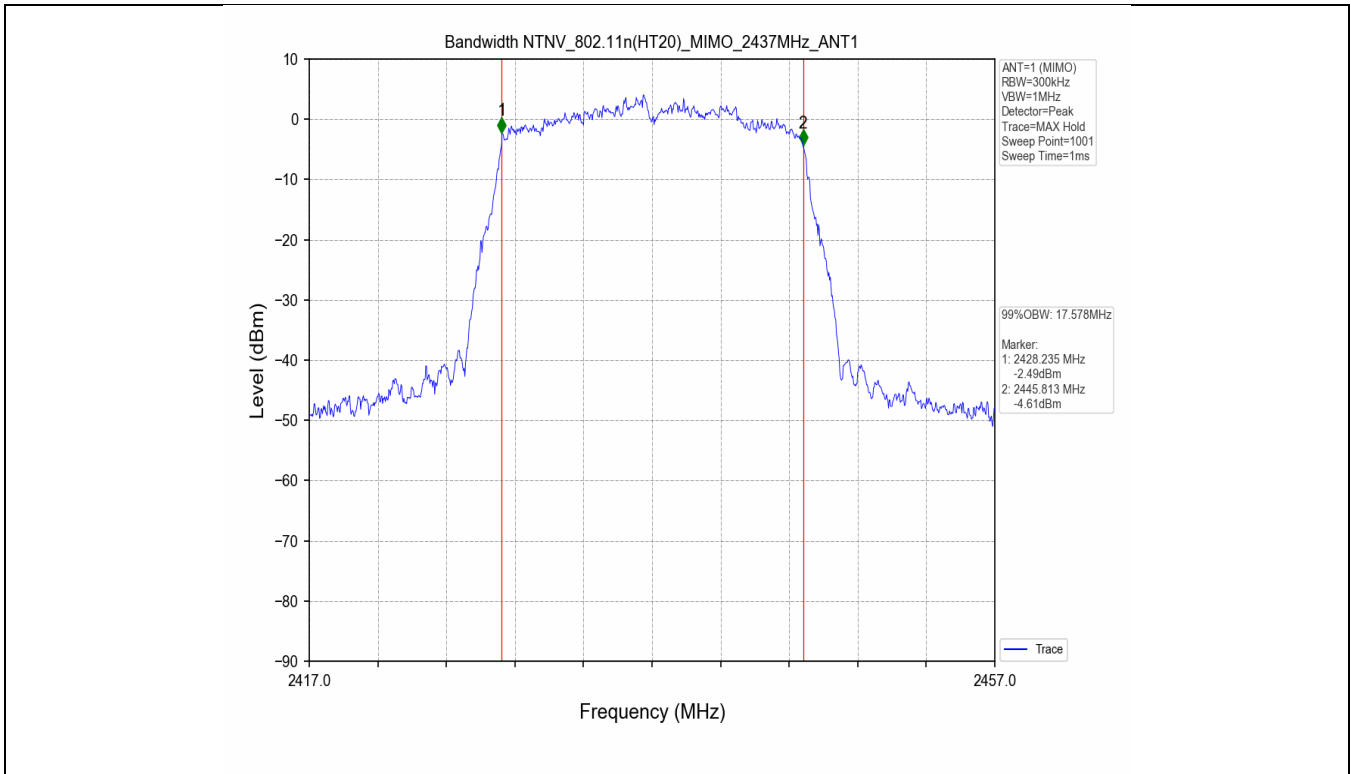
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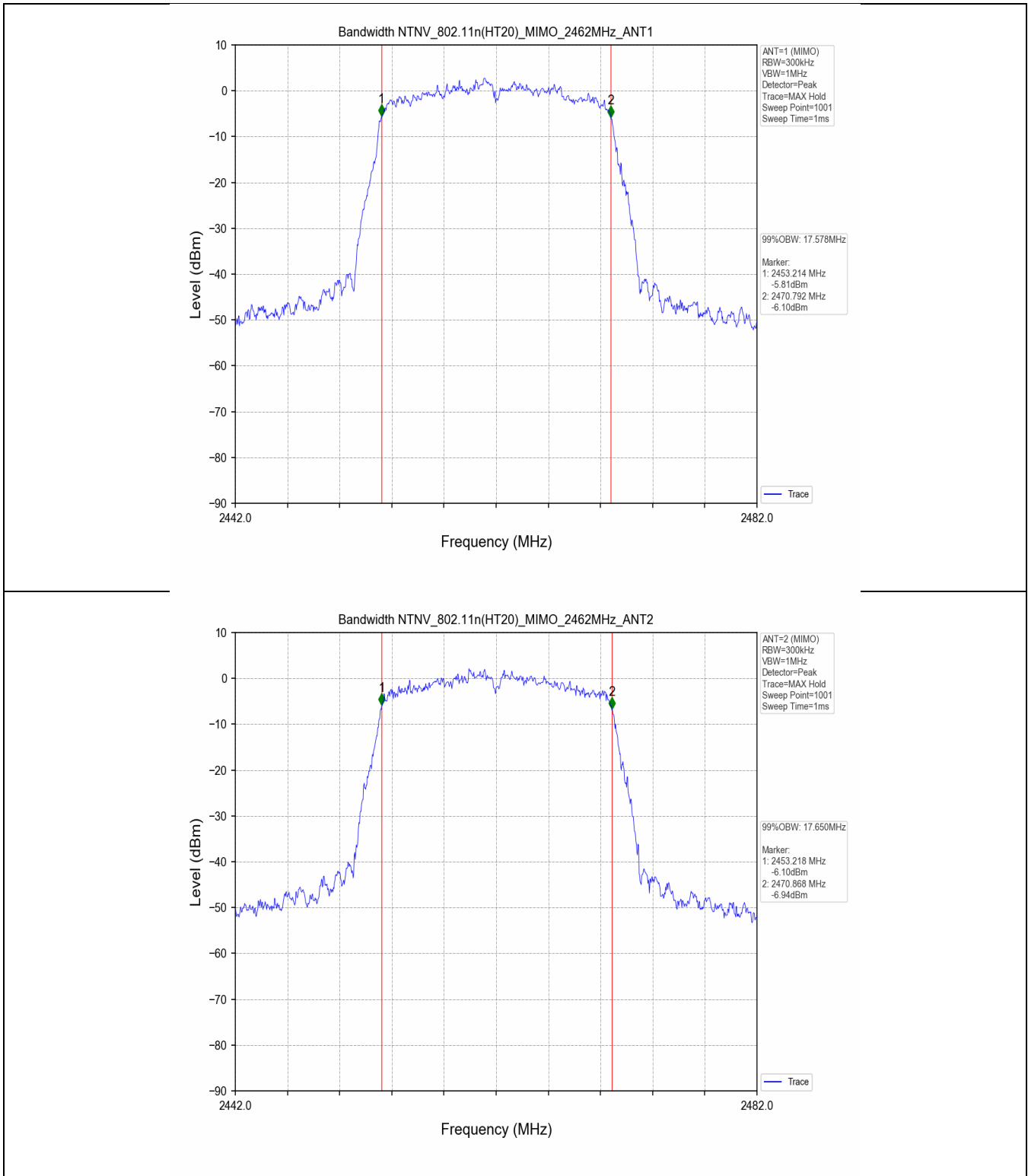


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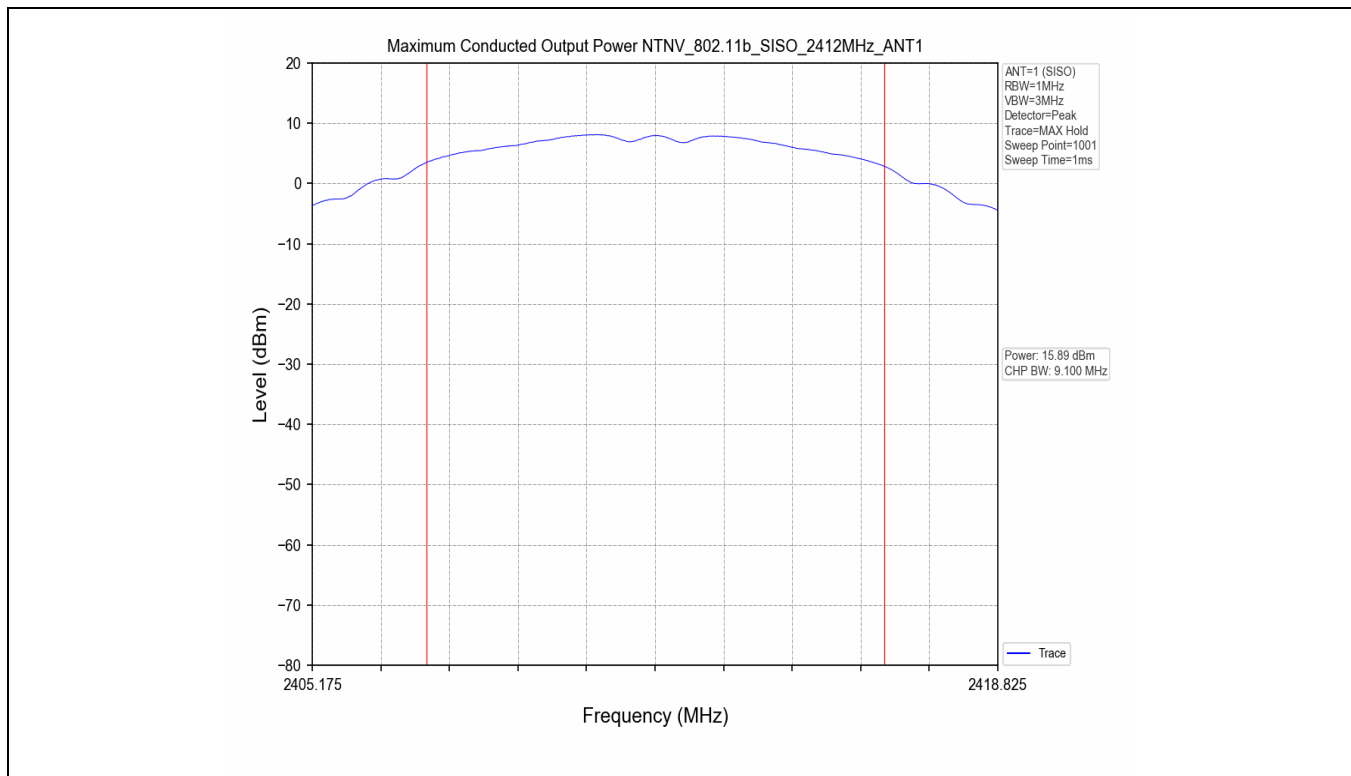
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3. Maximum Conducted Output Power

3.1 Test Result

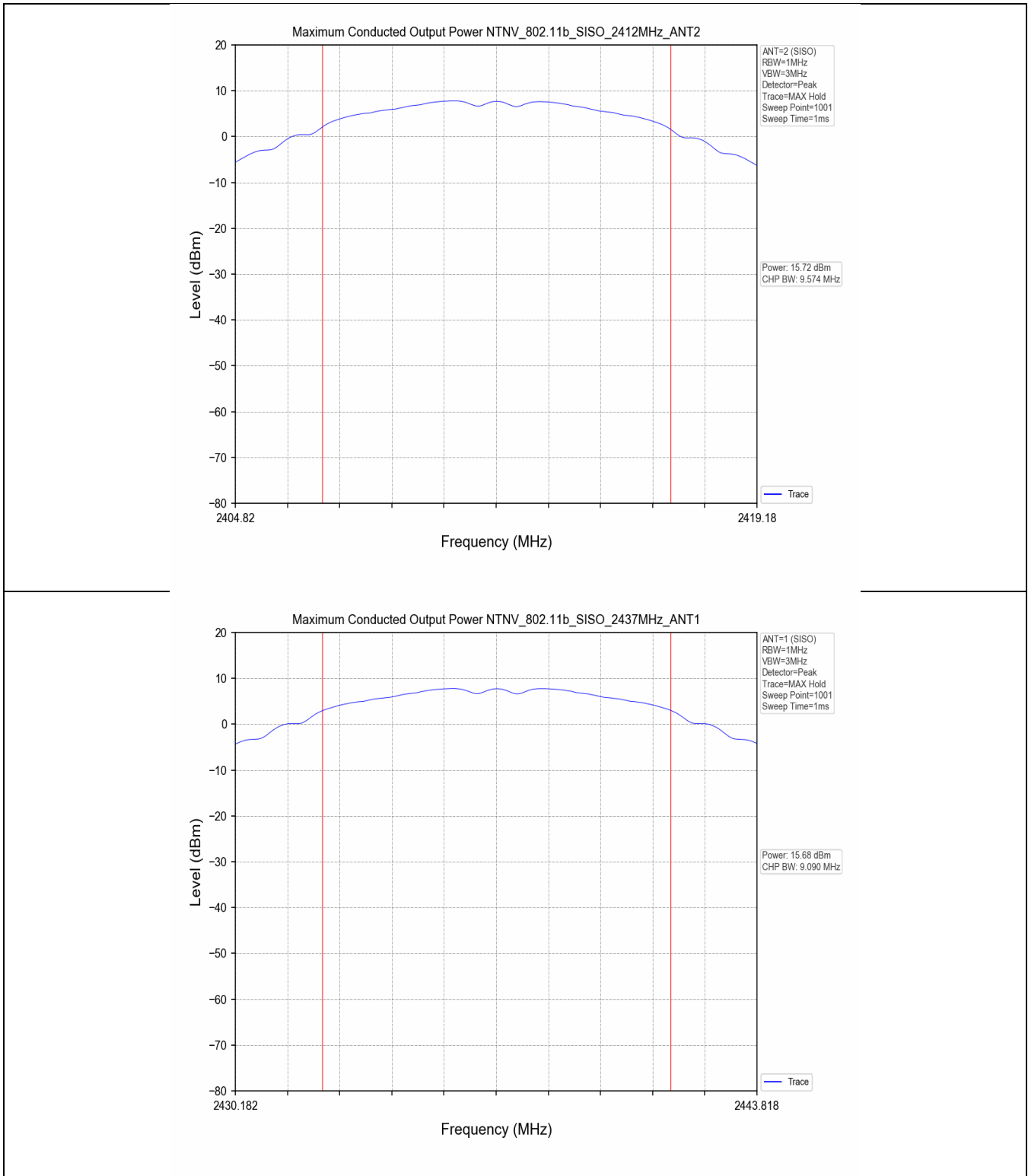
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)			Limits (dBm)	Verdict
			Ant 1	Ant 2	Total		
802.11b	2412	SISO	15.89	15.72	/	30	PASS
	2437	SISO	15.68	14.67	/	30	PASS
	2462	SISO	15.48	14.62	/	30	PASS
802.11g	2412	SISO	21.31	20.80	/	30	PASS
	2437	SISO	22.72	21.03	/	30	PASS
	2462	SISO	21.84	20.52	/	30	PASS
802.11n(HT20)	2412	MIMO	16.57	15.98	19.30	30	PASS
	2437	MIMO	18.14	16.72	20.50	30	PASS
	2462	MIMO	17.19	16.58	19.91	30	PASS

3.2 Test Graph



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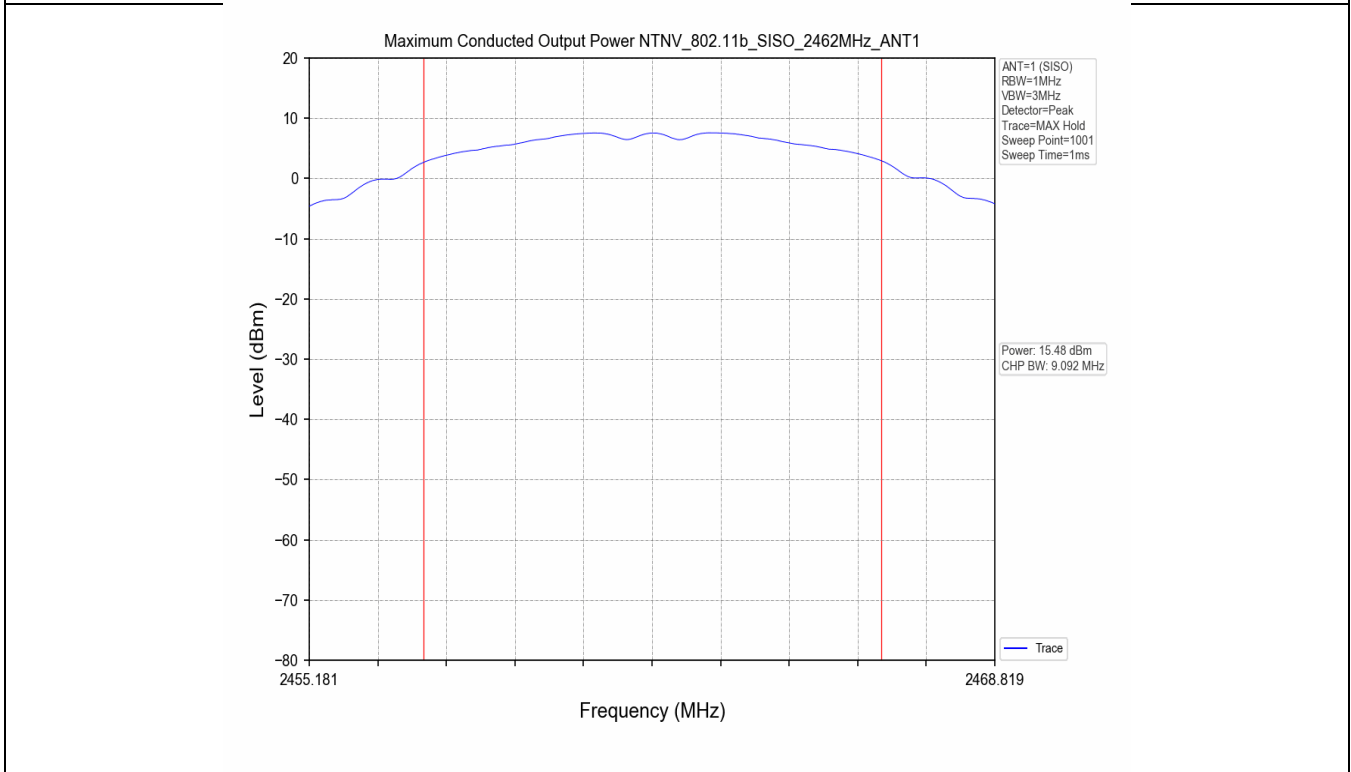
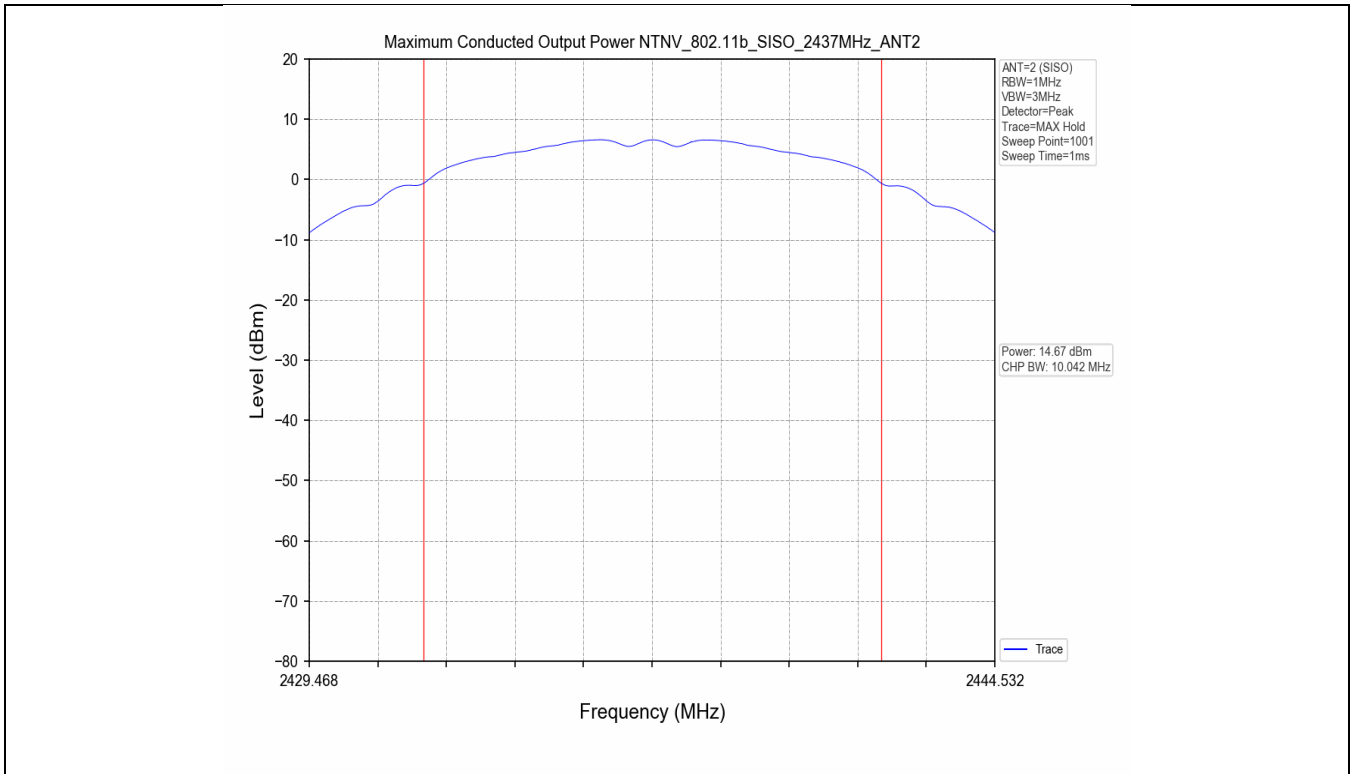
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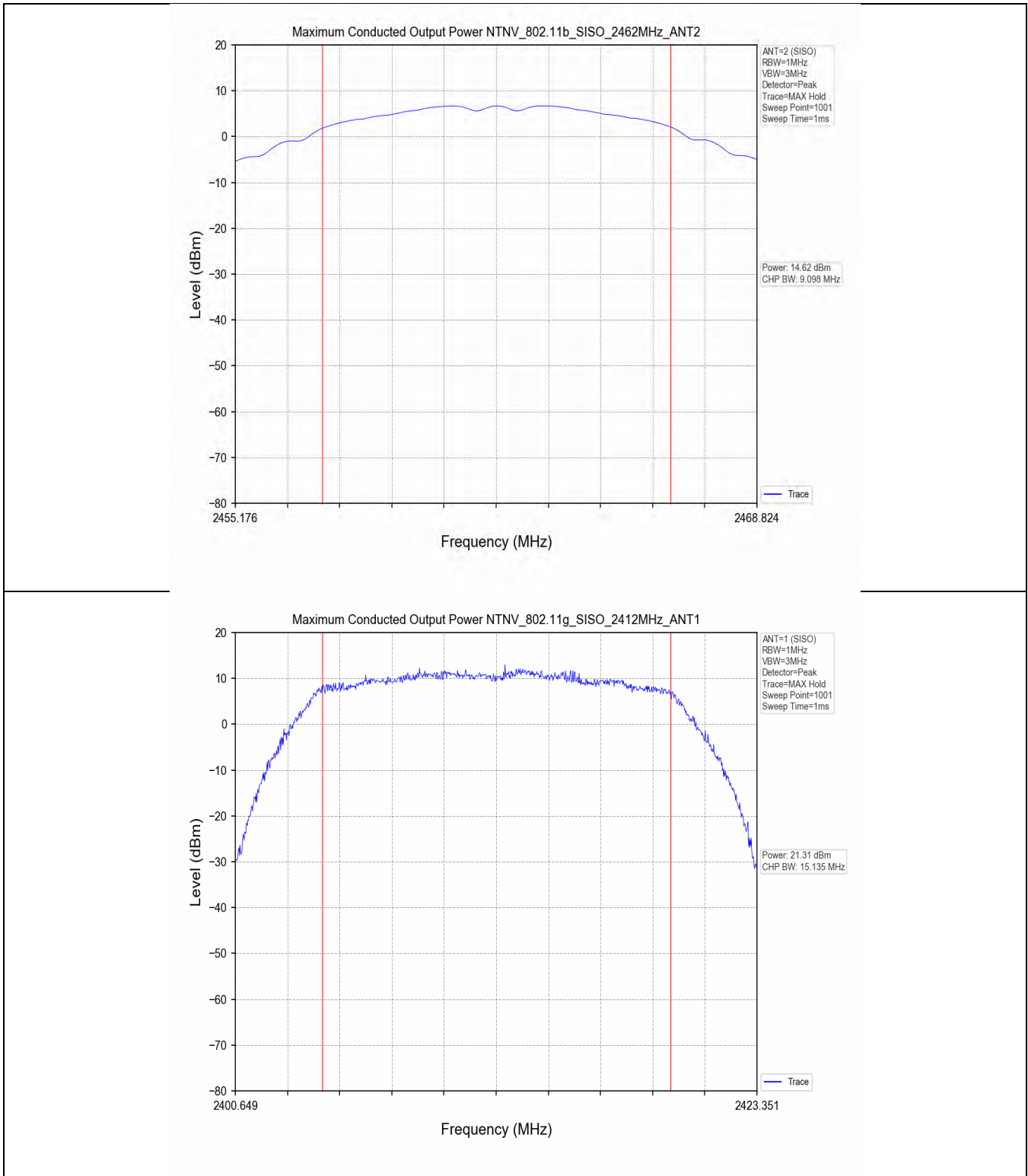




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