

Annex for WIFI

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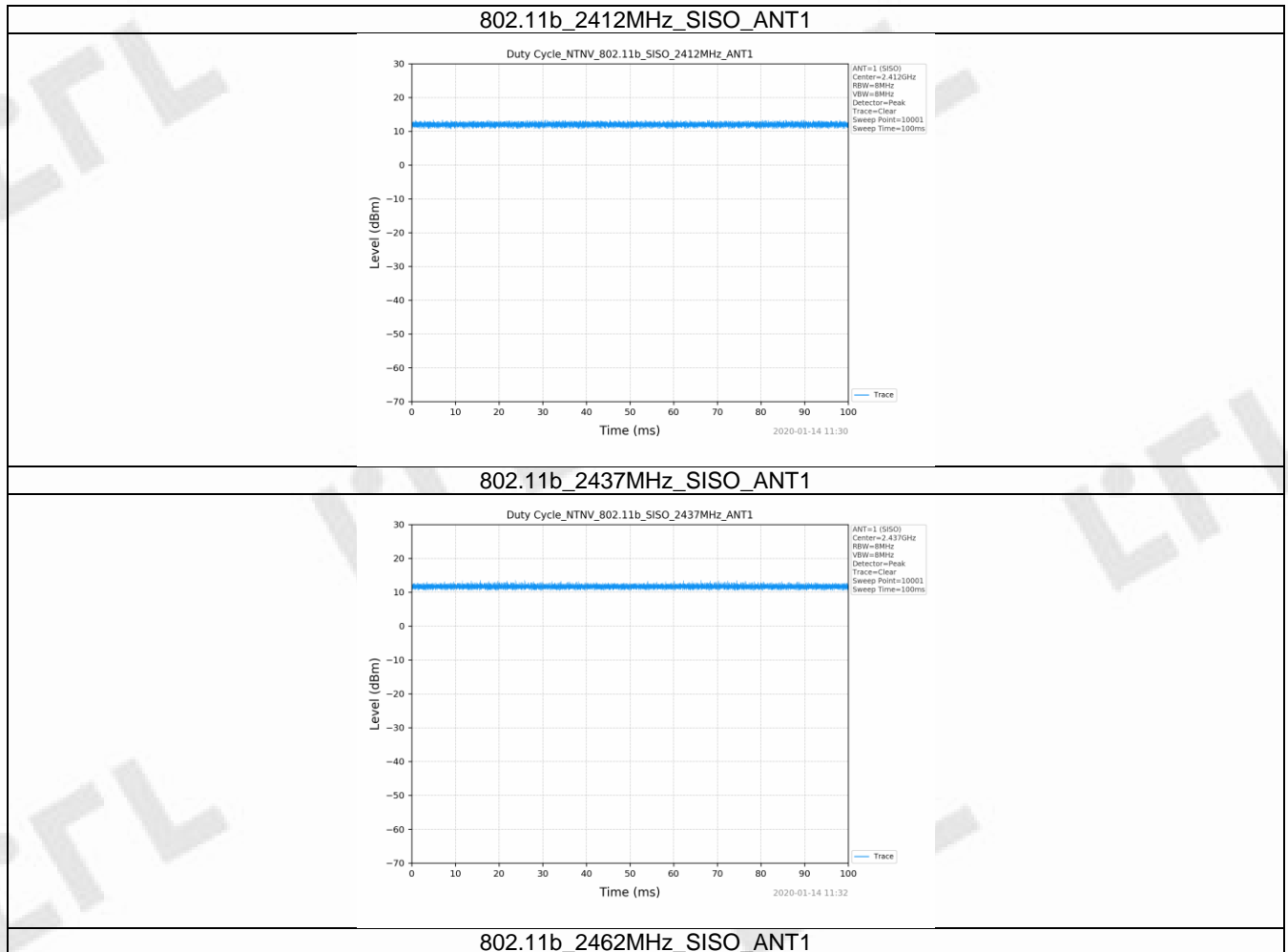
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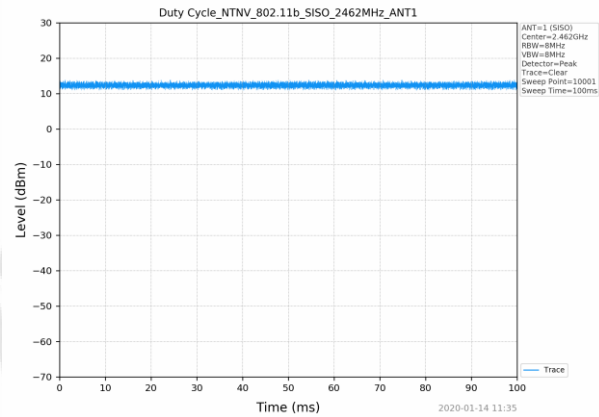
1. Duty Cycle

1.1 Test Result

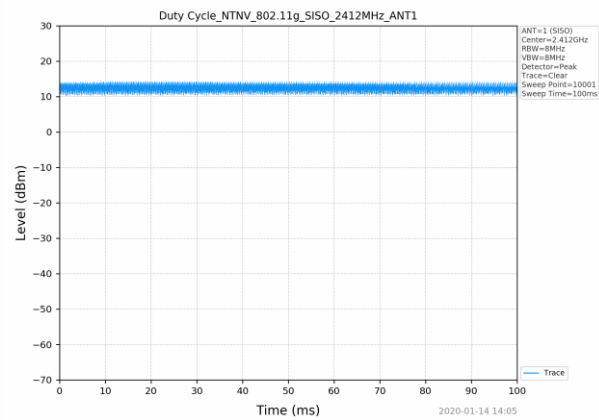
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	100.000	100.000	100.00	0.00
	2437	SISO	1	100.000	100.000	100.00	0.00
	2462	SISO	1	100.000	100.000	100.00	0.00
802.11g	2412	SISO	1	100.000	100.000	100.00	0.00
	2437	SISO	1	100.000	100.000	100.00	0.00
	2462	SISO	1	100.000	100.000	100.00	0.00
802.11n(HT20)	2412	SISO	1	100.000	100.000	100.00	0.00
	2437	SISO	1	100.000	100.000	100.00	0.00
	2462	SISO	1	100.000	100.000	100.00	0.00

1.2 Test Graph

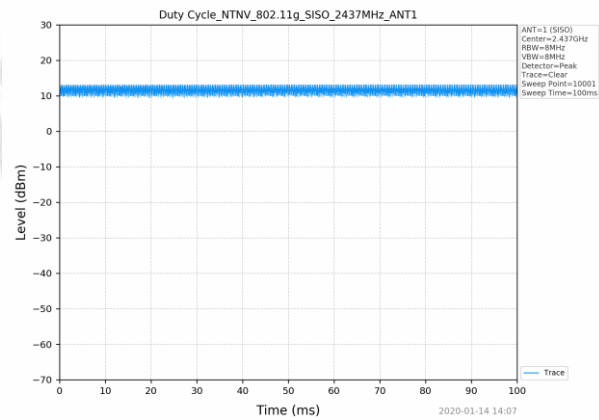




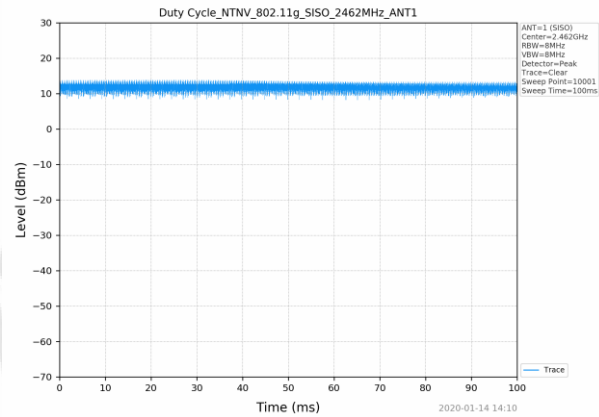
802.11g_2412MHz_SISO_ANT1



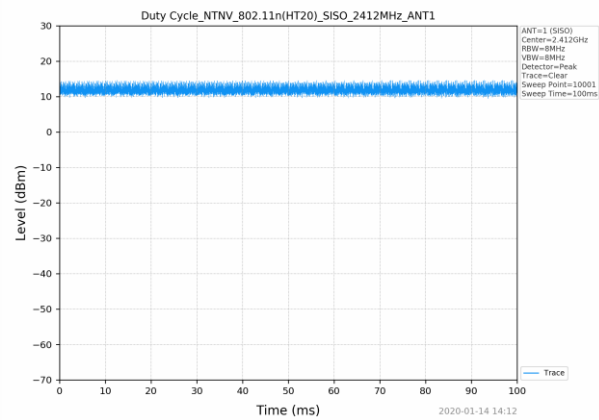
802.11g_2437MHz_SISO_ANT1



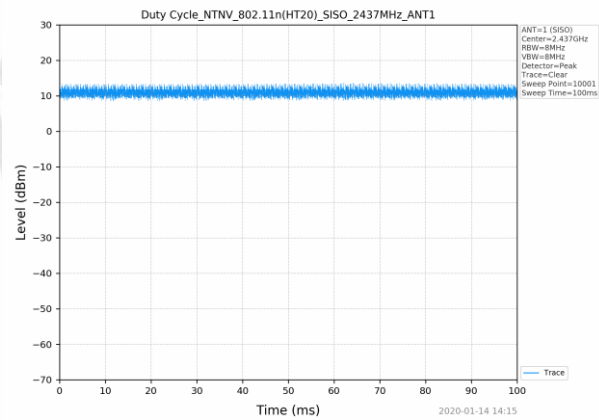
802.11g_2462MHz_SISO_ANT1



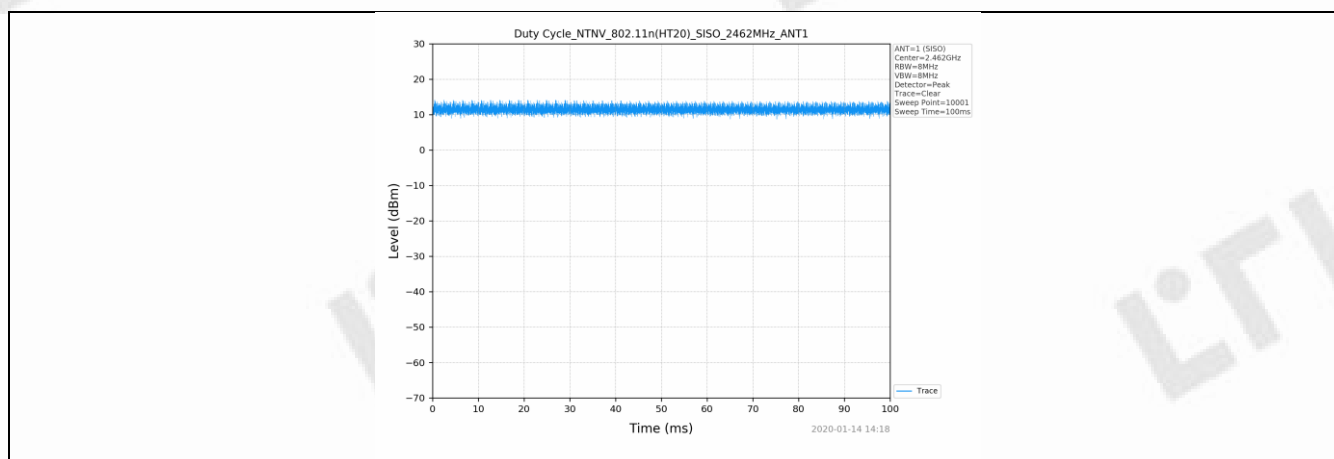
802.11n(HT20)_2412MHz_SISO_ANT1



802.11n(HT20)_2437MHz_SISO_ANT1



802.11n(HT20)_2462MHz_SISO_ANT1



2. Bandwidth

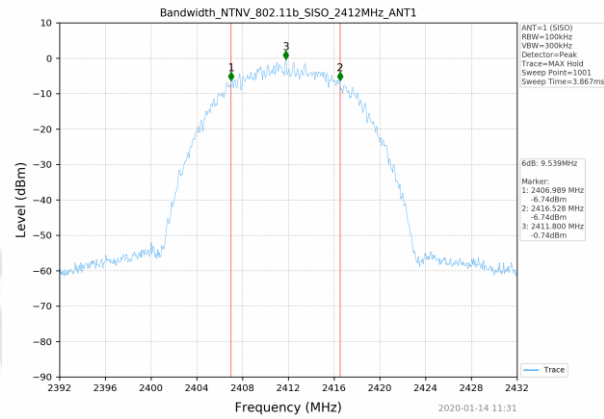
2.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	9.539	≥ 0.5	PASS
	2437	SISO	1	10.604	≥ 0.5	PASS
	2462	SISO	1	9.953	≥ 0.5	PASS
802.11g	2412	SISO	1	16.566	≥ 0.5	PASS
	2437	SISO	1	16.562	≥ 0.5	PASS
	2462	SISO	1	16.572	≥ 0.5	PASS
802.11n(HT20)	2412	SISO	1	17.765	≥ 0.5	PASS
	2437	SISO	1	17.809	≥ 0.5	PASS
	2462	SISO	1	17.802	≥ 0.5	PASS

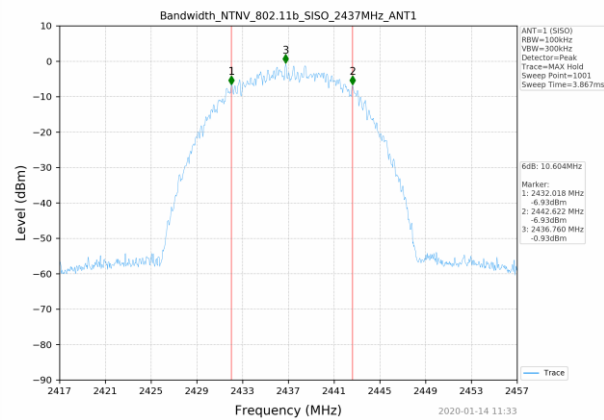
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	13.953	Only for Report Use
	2437	SISO	1	14.210	Only for Report Use
	2462	SISO	1	14.117	Only for Report Use
802.11g	2412	SISO	1	16.657	Only for Report Use
	2437	SISO	1	16.768	Only for Report Use
	2462	SISO	1	16.777	Only for Report Use
802.11n(HT20)	2412	SISO	1	17.719	Only for Report Use
	2437	SISO	1	17.828	Only for Report Use
	2462	SISO	1	17.795	Only for Report Use

2.2 Test Graph - 6dB Bandwidth

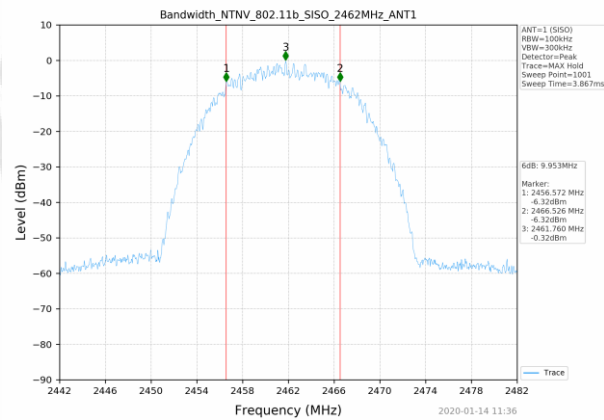
802.11b_2412MHz_SISO_ANT1



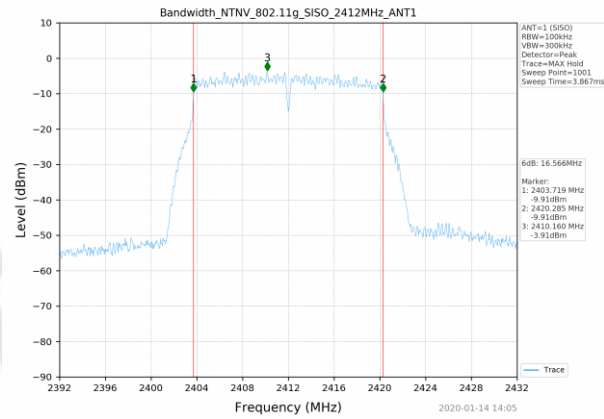
802.11b_2437MHz_SISO_ANT1



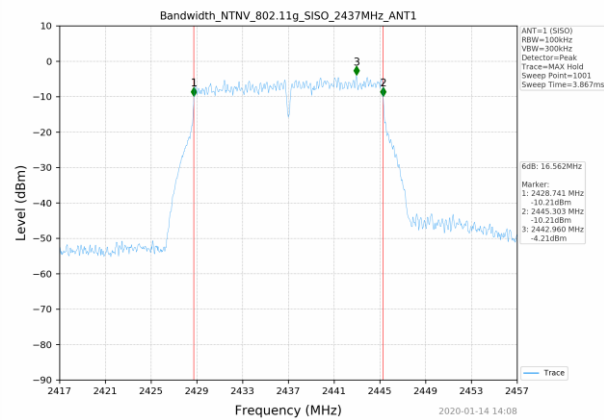
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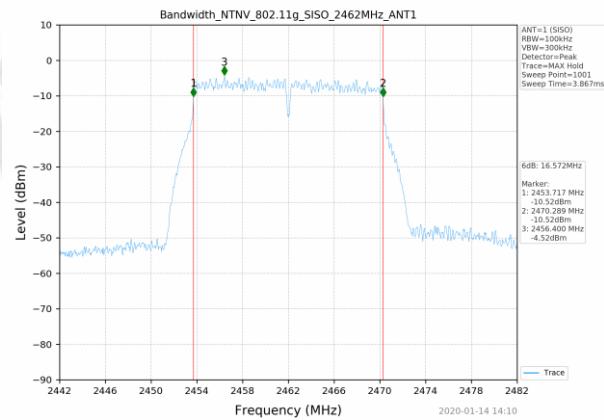
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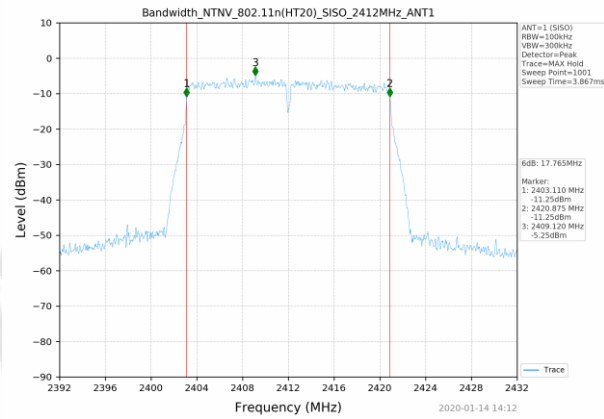
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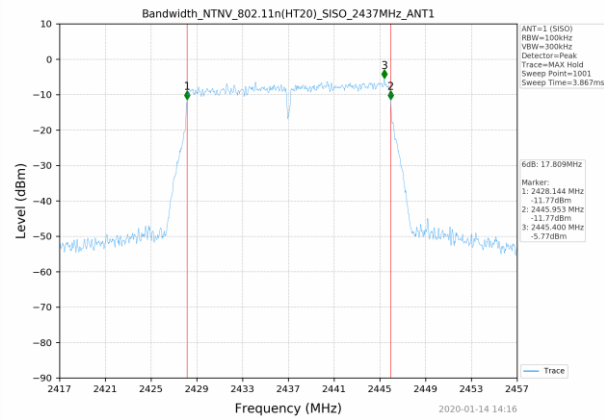
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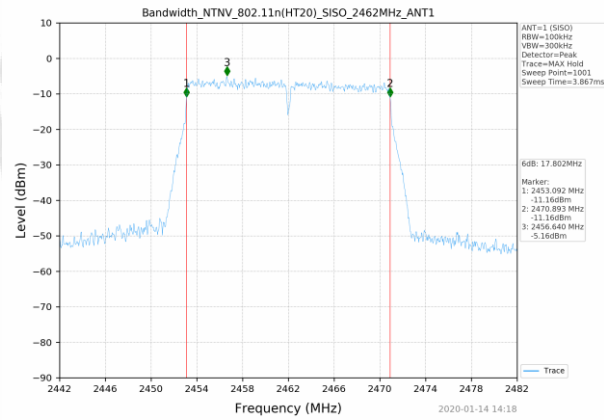
802.11n(HT20)_2412MHz_SISO_ANT1



802.11n(HT20)_2437MHz_SISO_ANT1

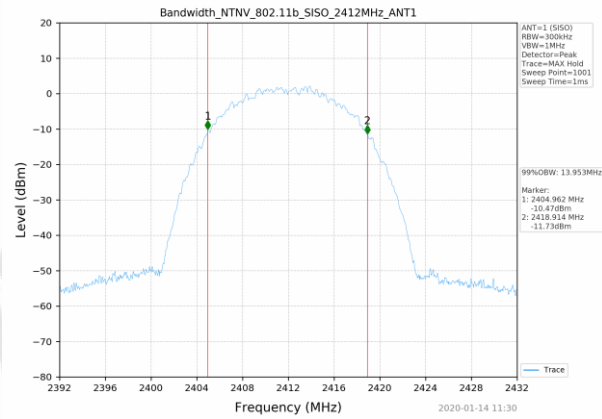


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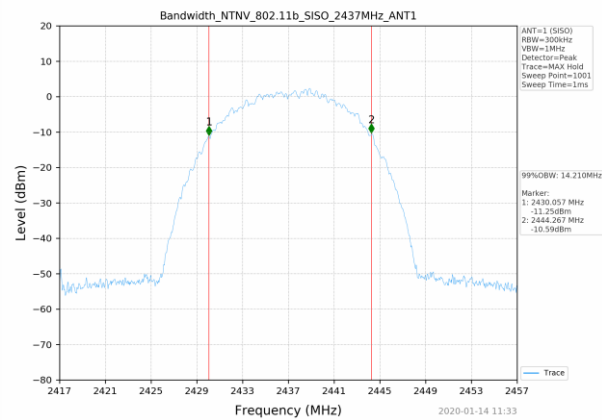


2.3 Test Graph - 99% Occupied Bandwidth

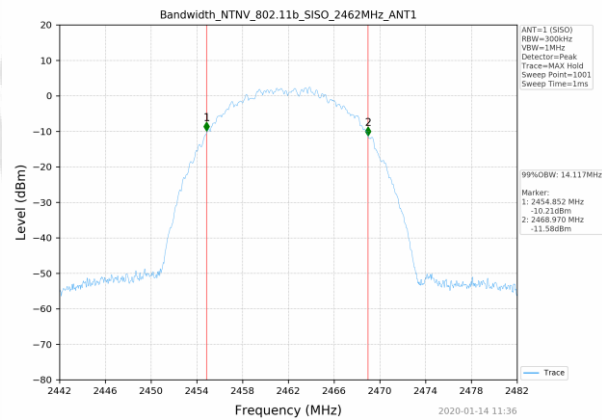
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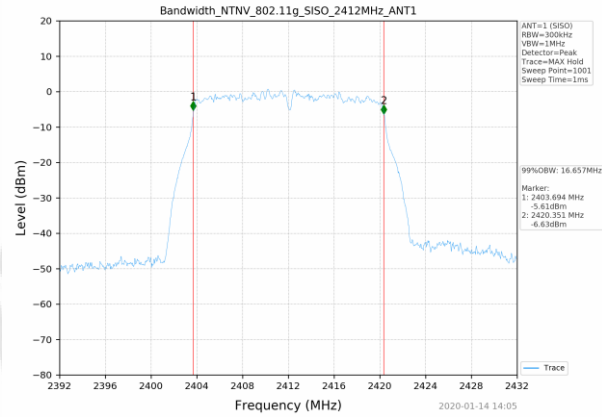
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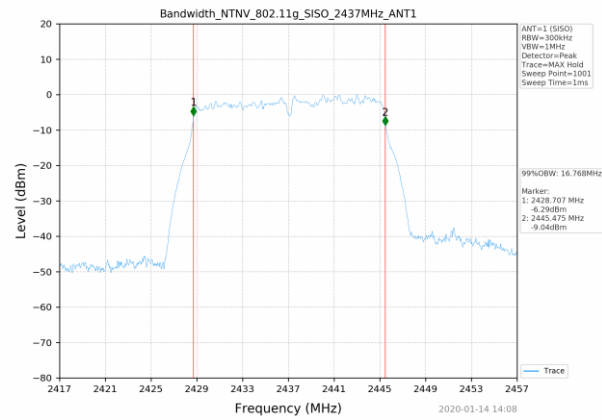
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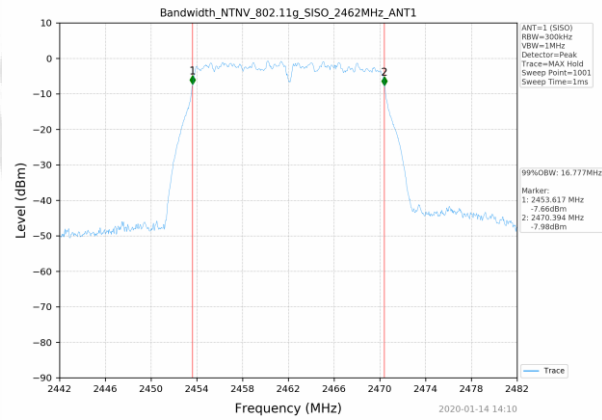
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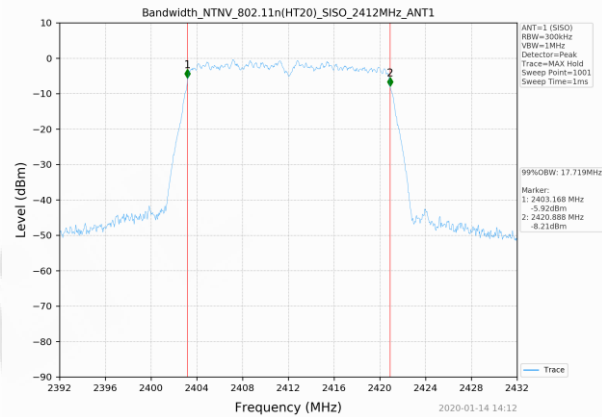
802.11g_2437MHz_SISO_ANT1



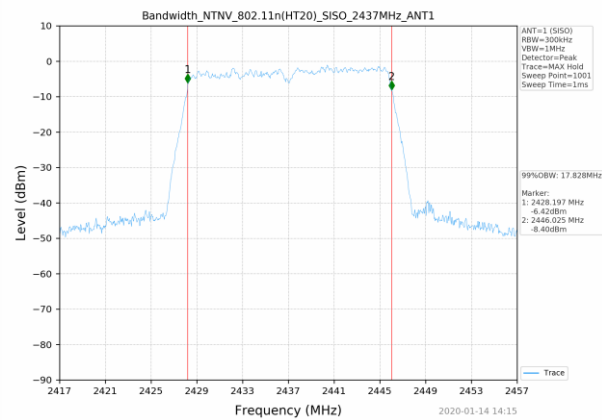
802.11g_2462MHz_SISO_ANT1



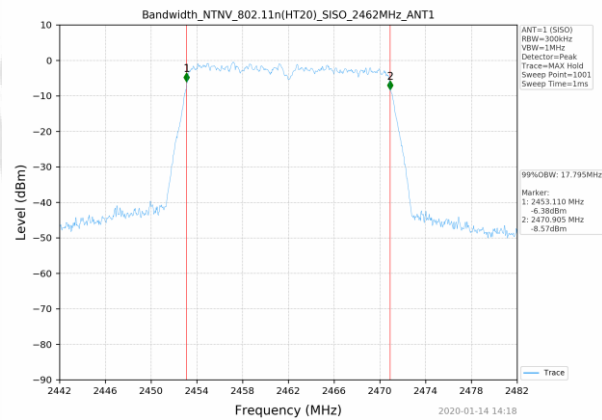
802.11n(HT20)_2412MHz_SISO_ANT1



802.11n(HT20)_2437MHz_SISO_ANT1



802.11n(HT20)_2462MHz_SISO_ANT1



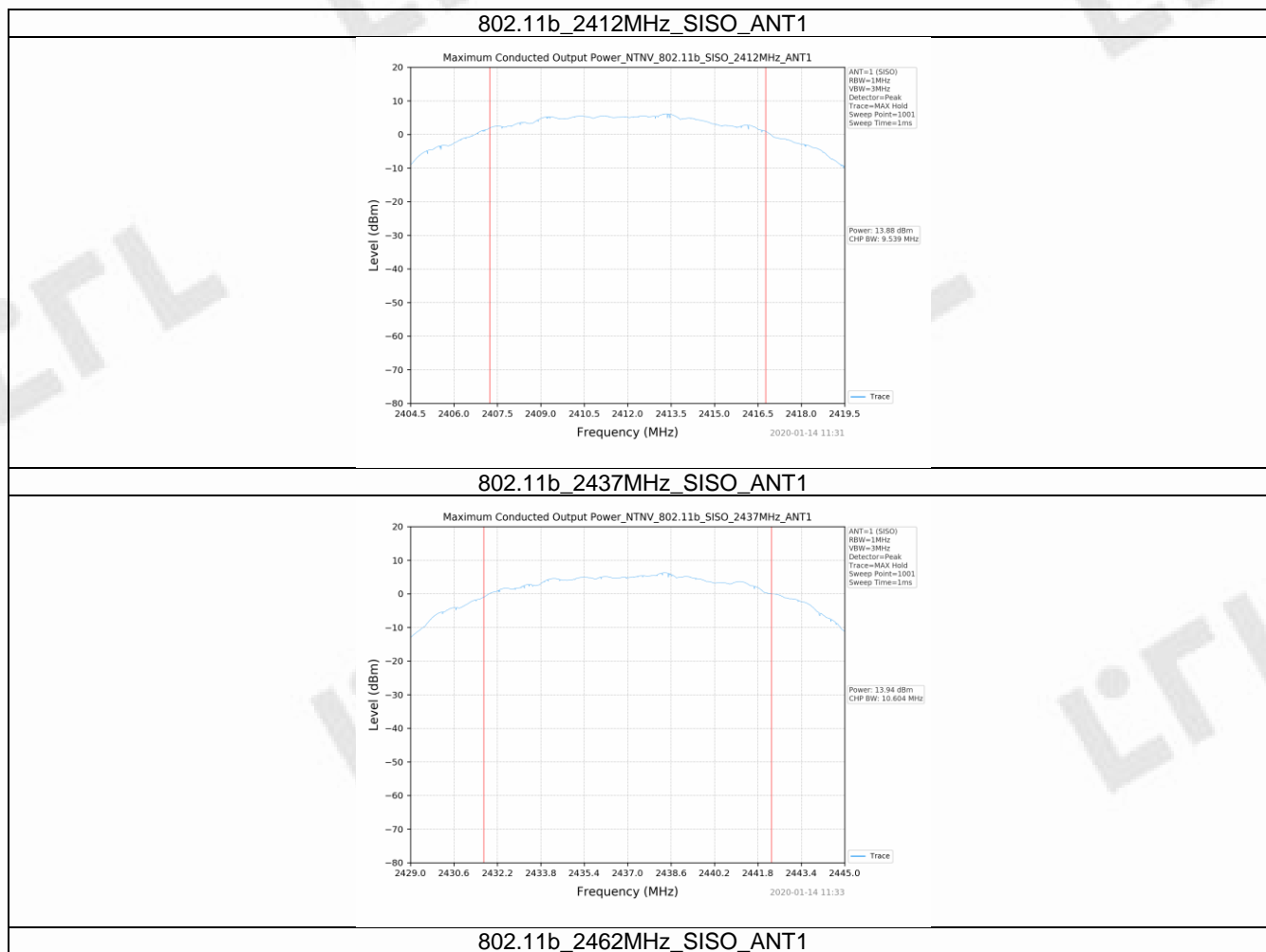
3. Maximum Conducted Output Power

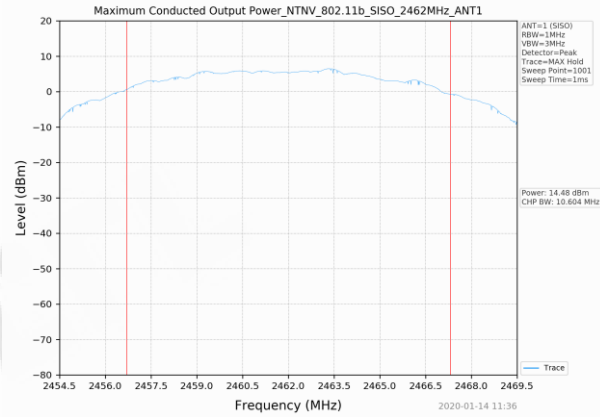
3.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		

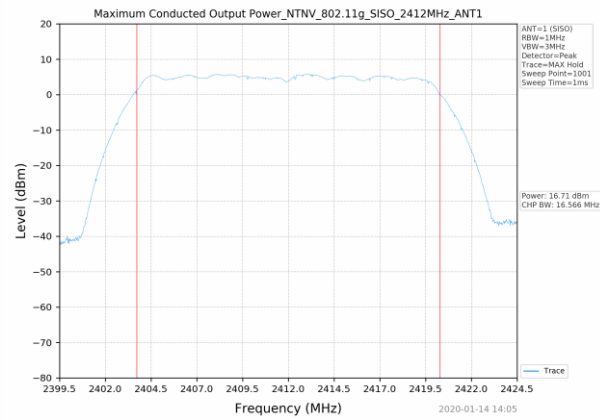
802.11b	2412	SISO	13.88	30	PASS
	2437	SISO	13.94	30	PASS
	2462	SISO	14.48	30	PASS
802.11g	2412	SISO	16.71	30	PASS
	2437	SISO	16.19	30	PASS
	2462	SISO	15.95	30	PASS
802.11n(HT20)	2412	SISO	16.17	30	PASS
	2437	SISO	15.52	30	PASS
	2462	SISO	16.14	30	PASS

3.2 Test Graph

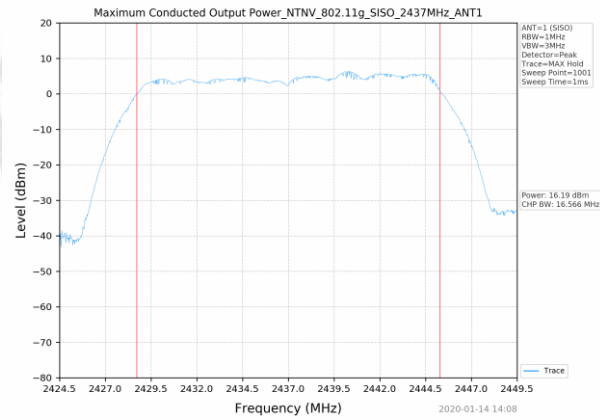




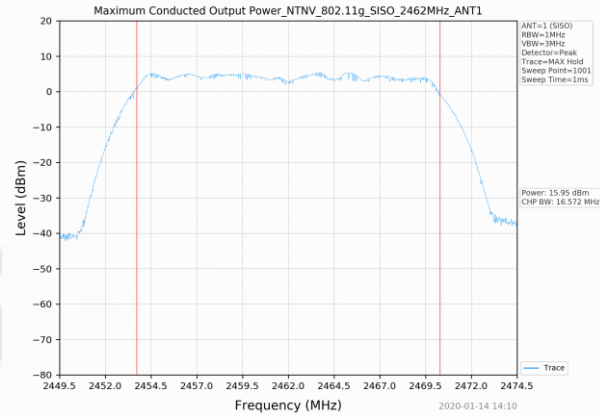
802.11g_2412MHz_SISO_ANT1



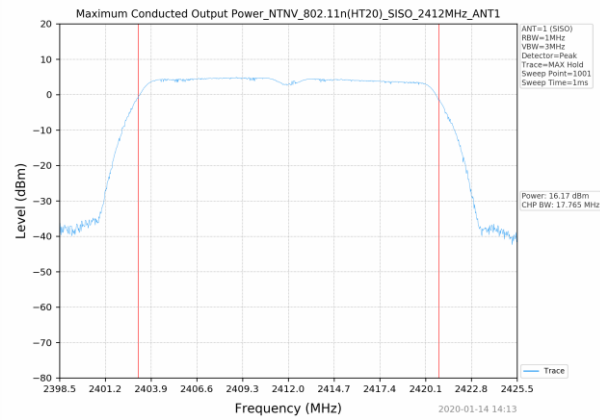
802.11g_2437MHz_SISO_ANT1



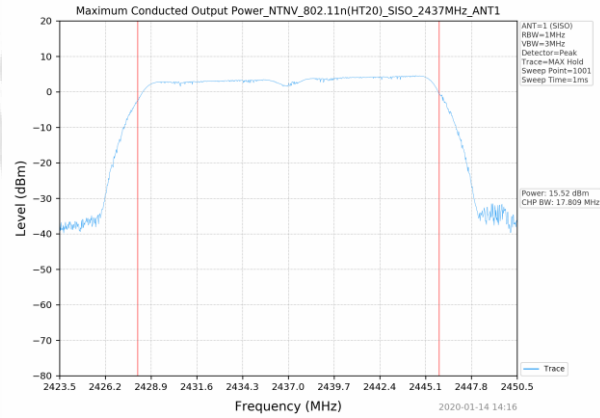
802.11g_2462MHz_SISO_ANT1



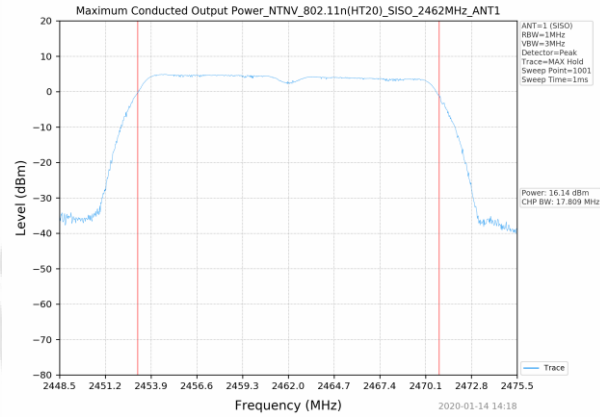
802.11n(HT20)_2412MHz_SISO_ANT1



802.11n(HT20)_2437MHz_SISO_ANT1



802.11n(HT20)_2462MHz_SISO_ANT1

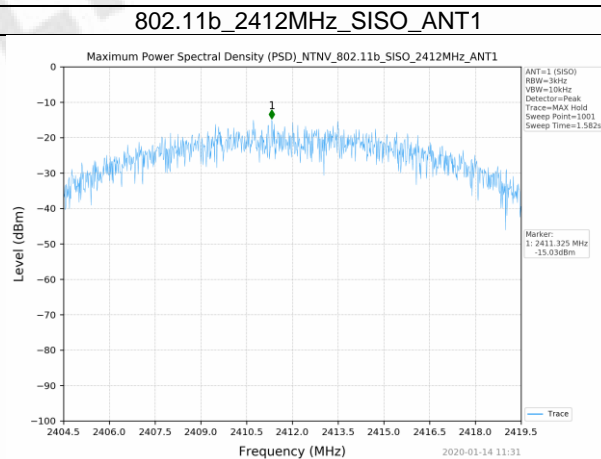


4. Maximum Power Spectral Density (PSD)

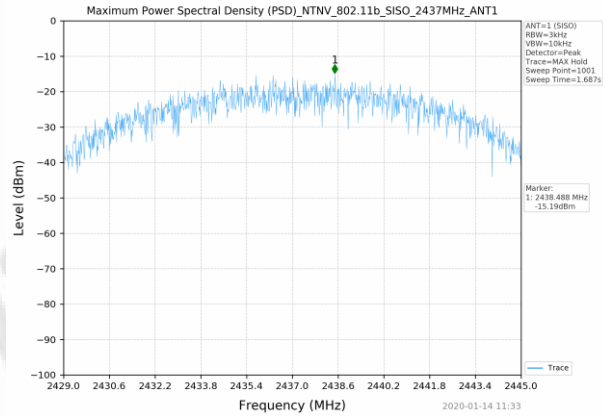
4.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-15.03	≤8	PASS
	2437	SISO	-15.19	≤8	PASS
	2462	SISO	-14.65	≤8	PASS
802.11g	2412	SISO	-17.75	≤8	PASS
	2437	SISO	-18.29	≤8	PASS
	2462	SISO	-18.83	≤8	PASS
802.11n(HT20)	2412	SISO	-18.95	≤8	PASS
	2437	SISO	-18.52	≤8	PASS
	2462	SISO	-19.00	≤8	PASS

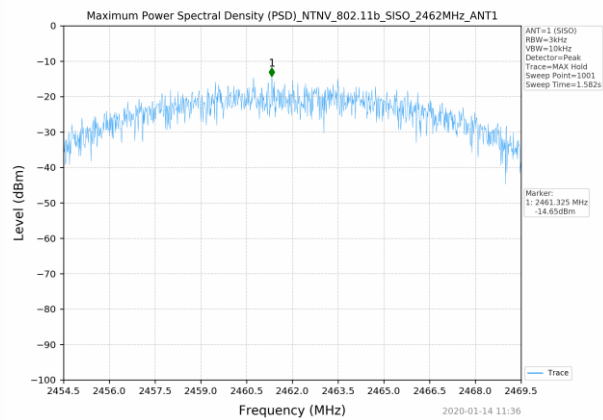
4.2 Test Graph



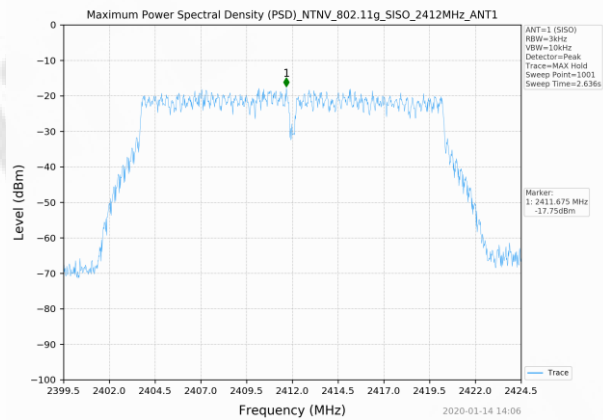
802.11b_2437MHz_SISO_ANT1



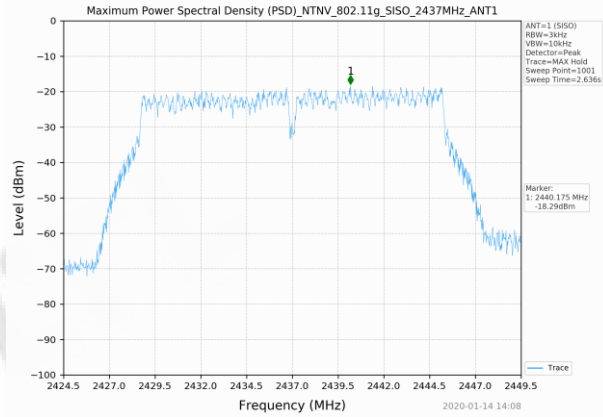
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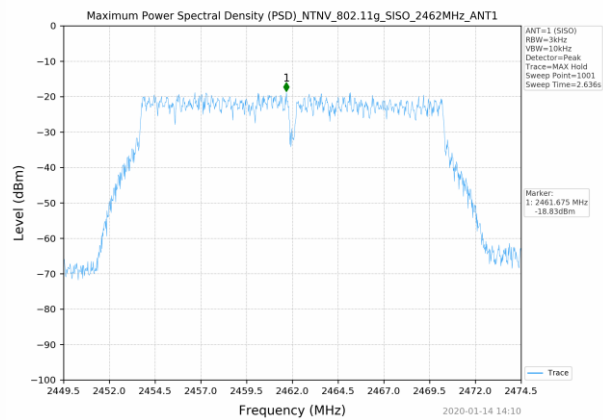
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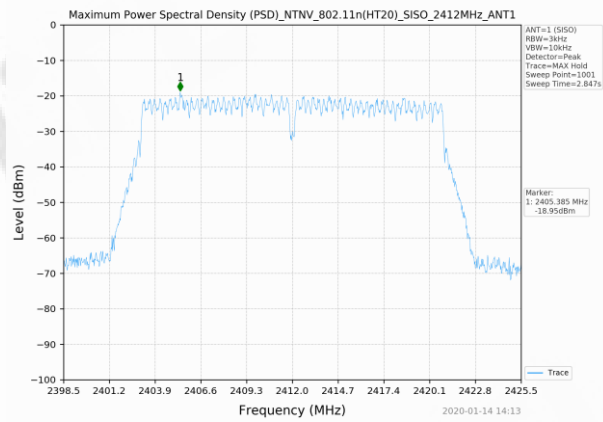
802.11g_2437MHz_SISO_ANT1



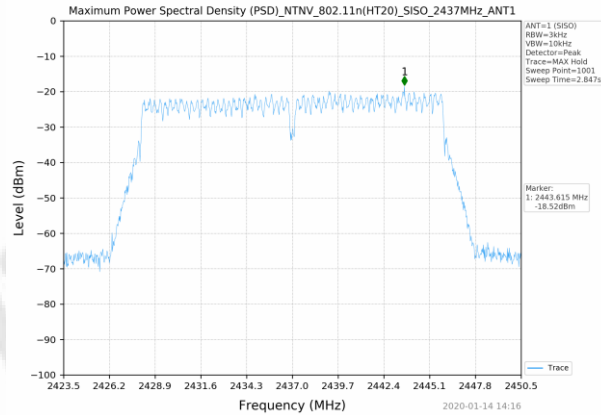
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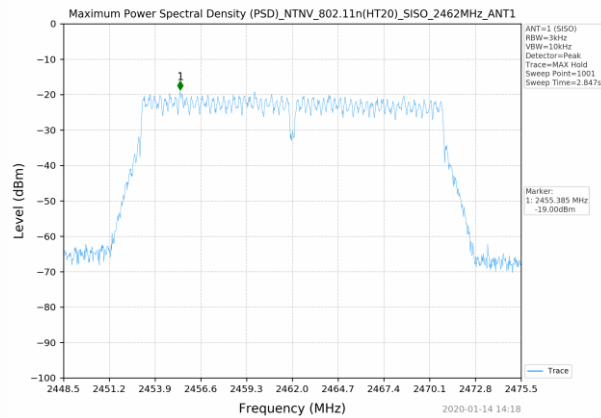
802.11n(HT20)_2412MHz_SISO_ANT1



802.11n(HT20)_2437MHz_SISO_ANT1



802.11n(HT20)_2462MHz_SISO_ANT1



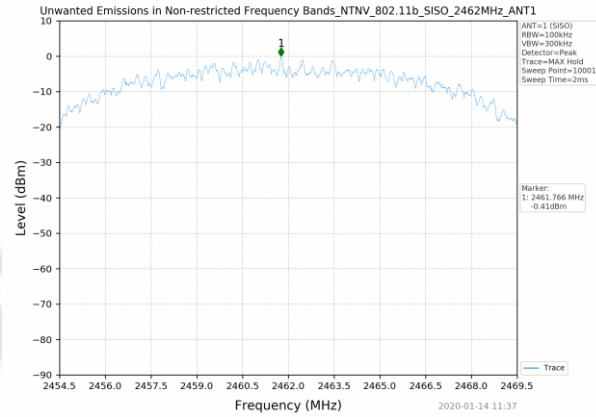
5. Unwanted Emissions in Non-restricted Frequency Bands

5.1 Test Result

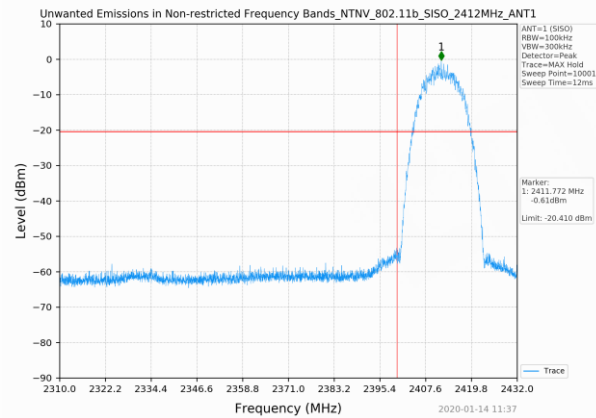
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
802.11b	2412	SISO	1	Refer to test graph	-20.41	PASS
	2437	SISO	1	Refer to test graph	-20.41	PASS
	2462	SISO	1	Refer to test graph	-20.41	PASS
802.11g	2412	SISO	1	Refer to test graph	-23.93	PASS
	2437	SISO	1	Refer to test graph	-23.93	PASS
	2462	SISO	1	Refer to test graph	-23.93	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-24.93	PASS
	2437	SISO	1	Refer to test graph	-24.93	PASS
	2462	SISO	1	Refer to test graph	-24.93	PASS

5.2 Test Graph

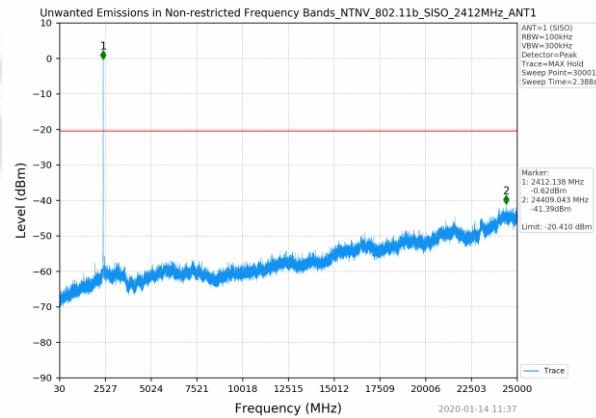
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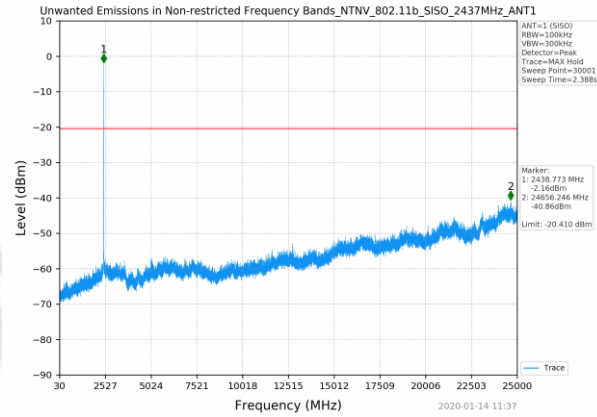
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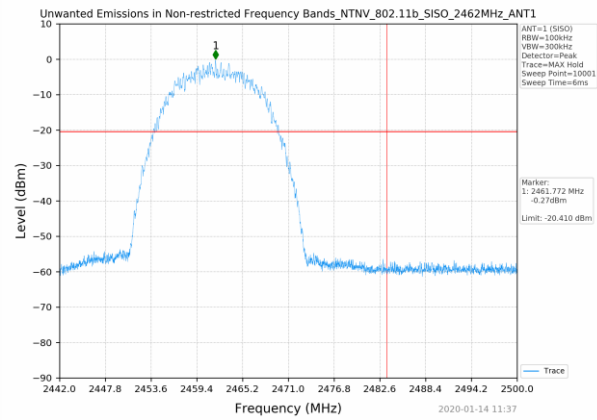
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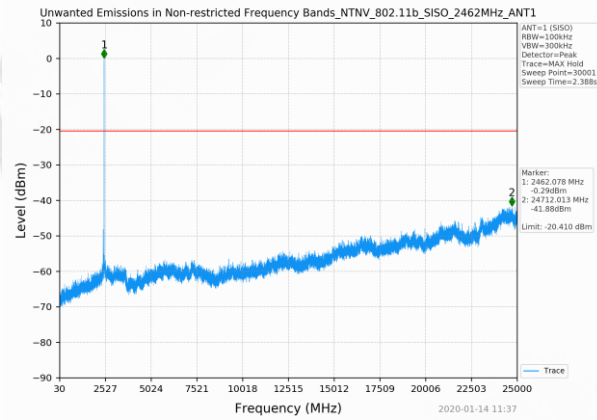
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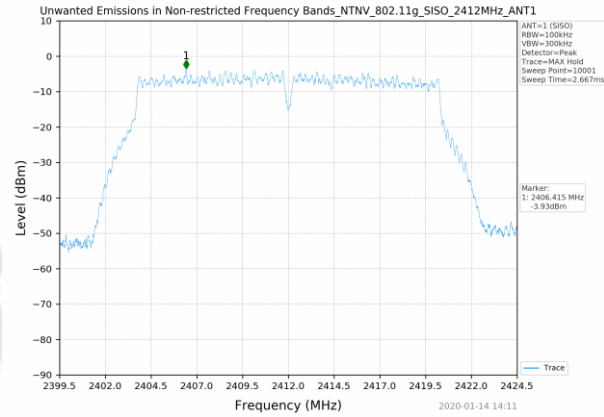
802.11b_2462MHz_SISO_ANT1



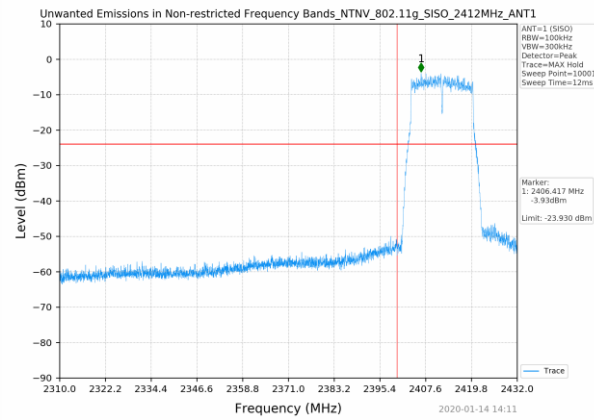
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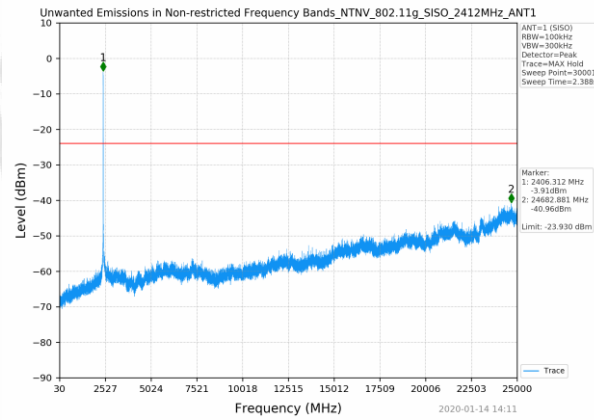
802.11g_SISO_ANT1_REF



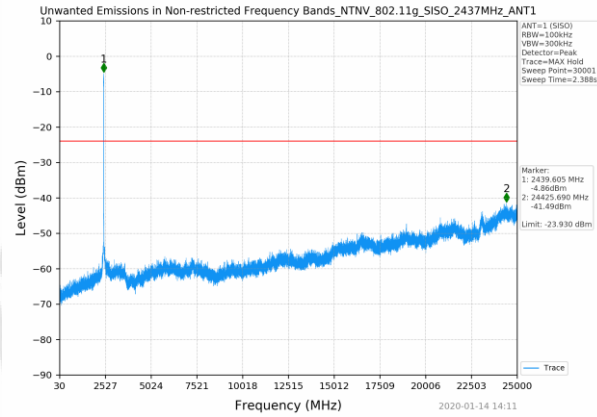
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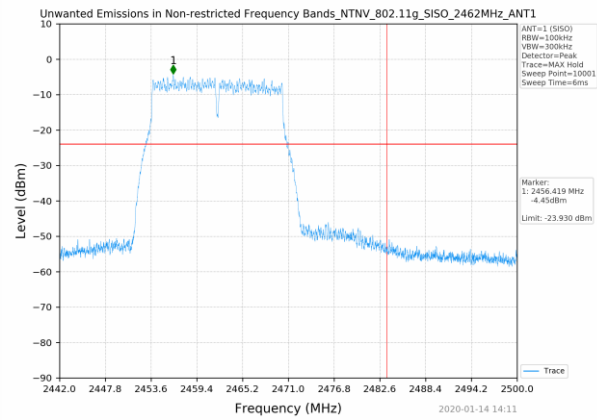
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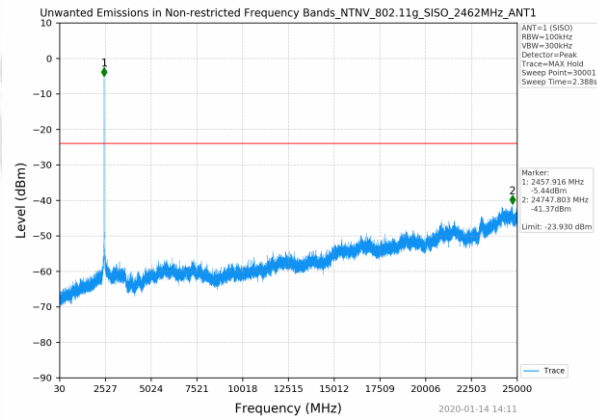
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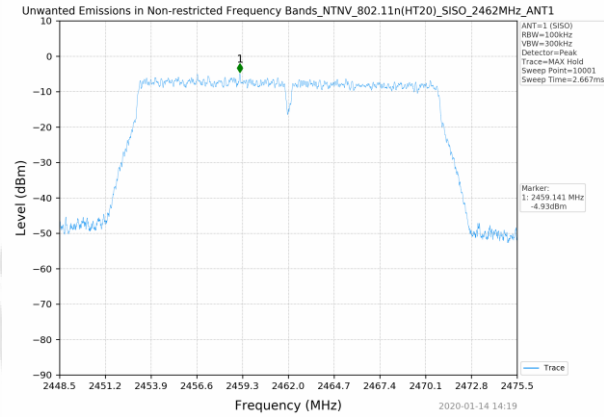
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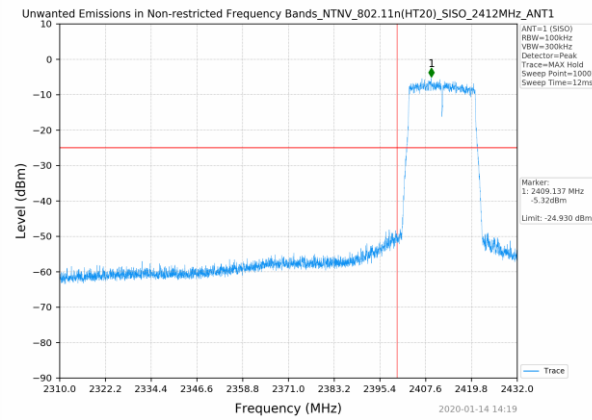
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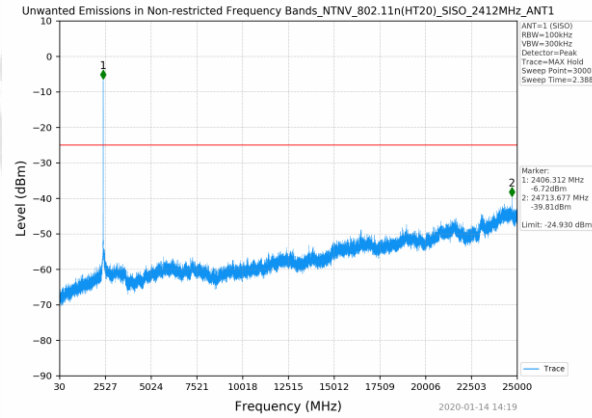
802.11n(HT20)_SISO_ANT1_REF



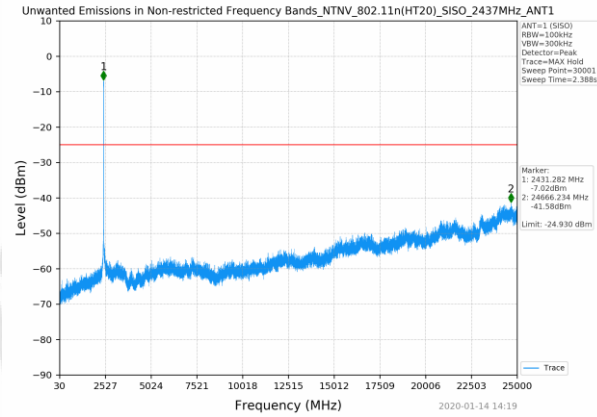
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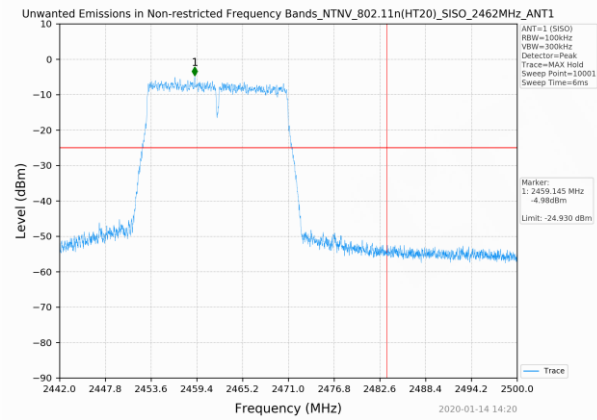
802.11n(HT20)_2412MHz_SISO_ANT1



802.11n(HT20)_2437MHz_SISO_ANT1



802.11n(HT20)_2462MHz_SISO_ANT1



802.11n(HT20)_2462MHz_SISO_ANT1

