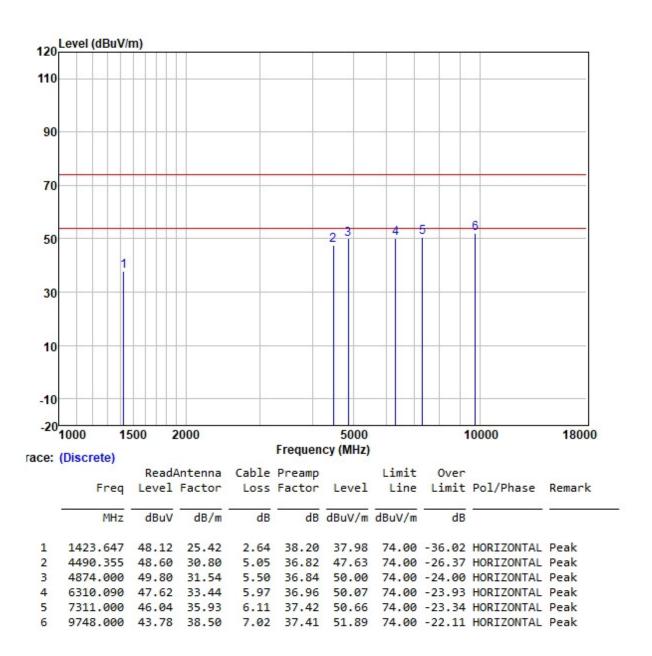


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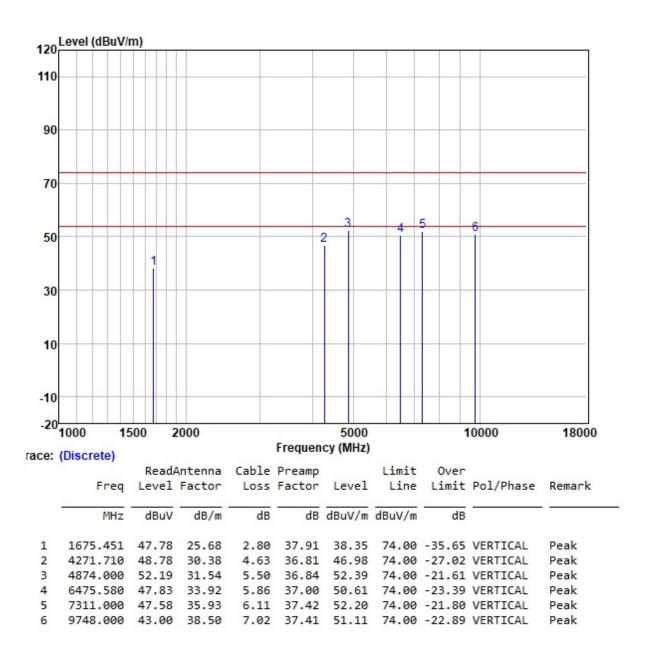
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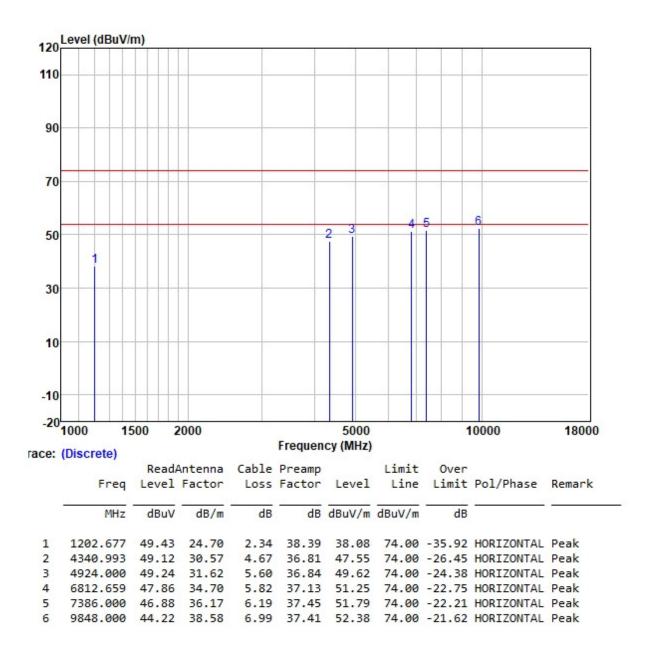
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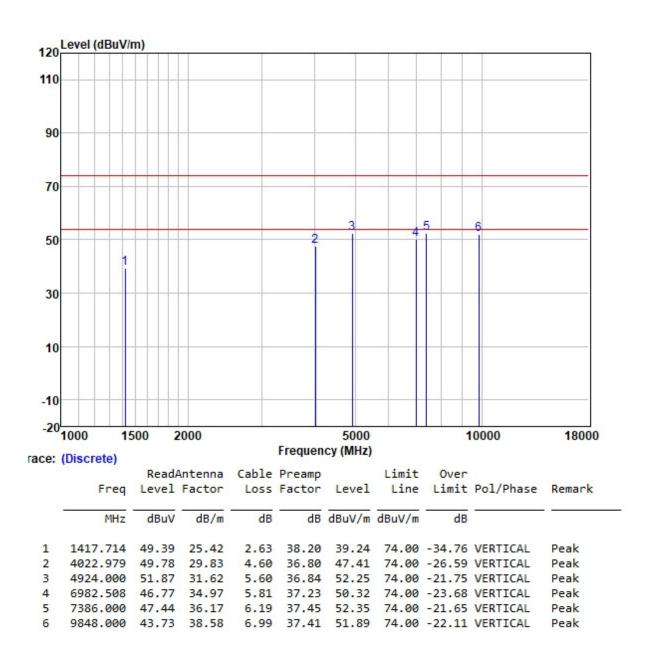
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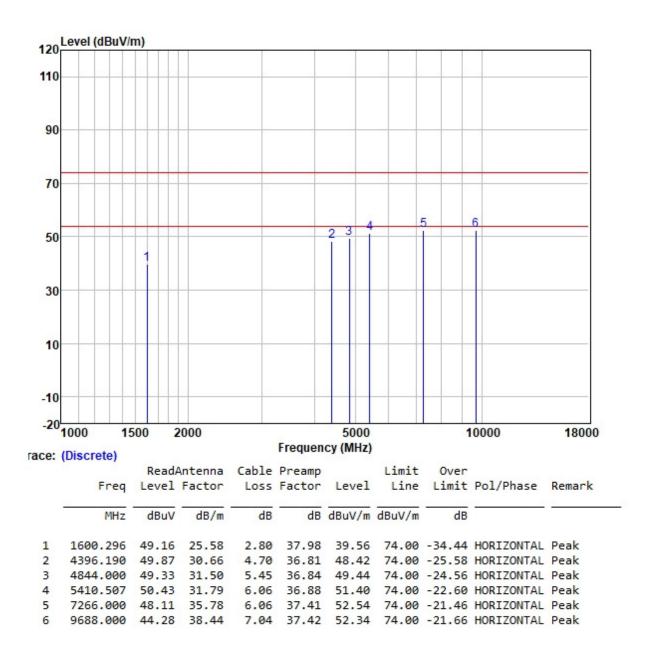
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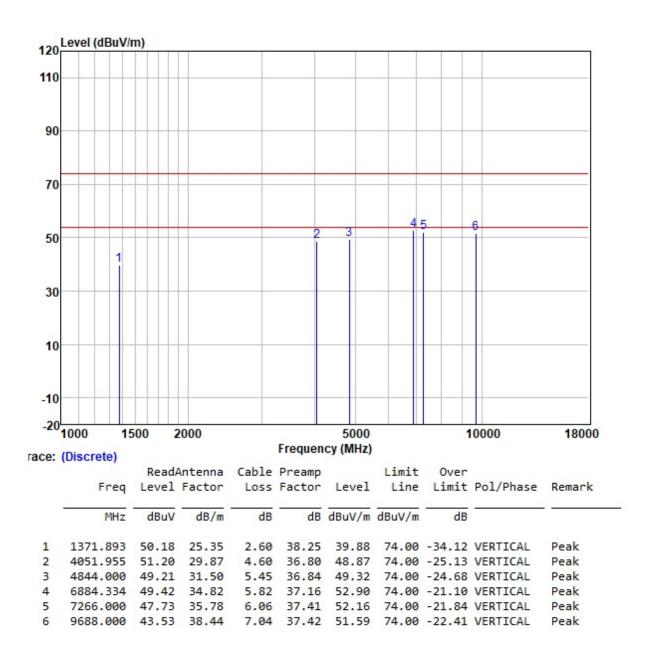
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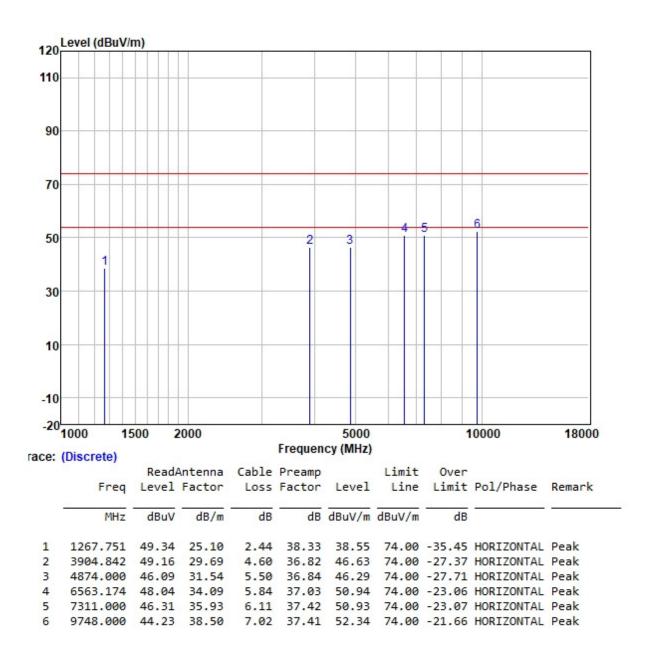
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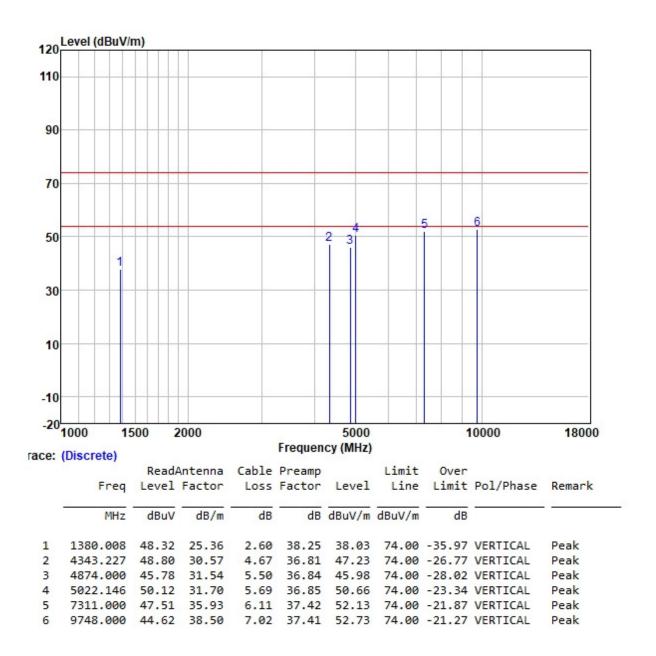
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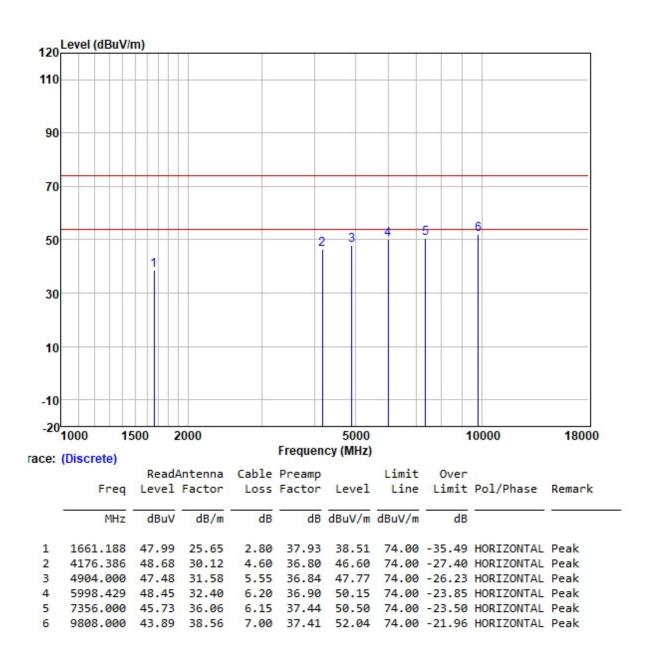
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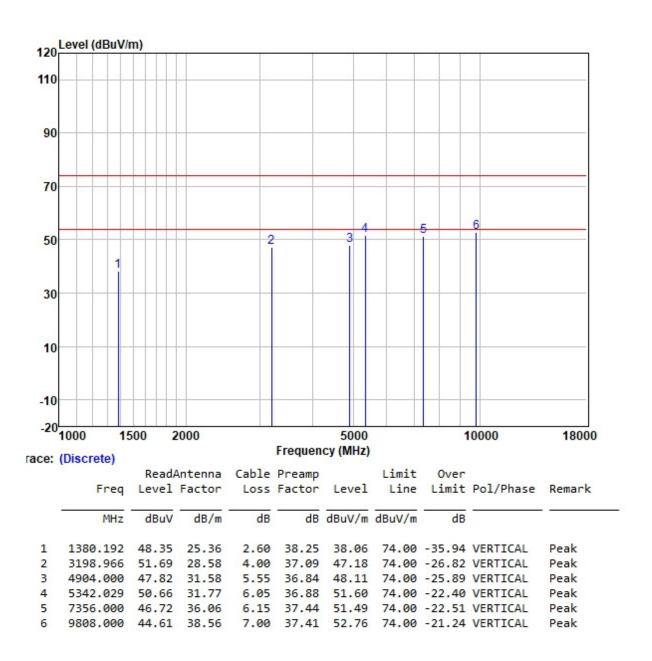
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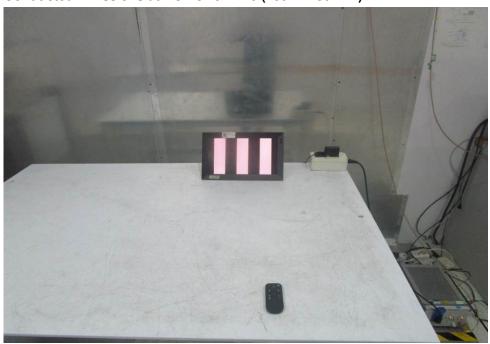


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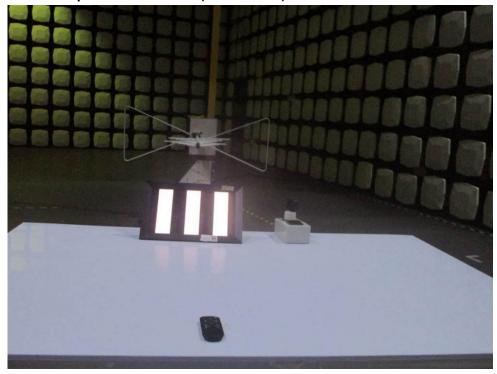
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8 Test Setup Photo

Conducted Emissions at AC Power Line (150kHz-30MHz)



Radiated Spurious Emissions (Below 1GHz)





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Radiated Spurious Emissions (Above 1GHz)



Radiated Emissions which fall in the restricted bands





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EUT Constructional Details (EUT Photos) 9

Refer to Appendix - Photographs of EUT Constructional Details for GZCR2109021042AT



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10 Appendix

1. Duty Cycle

1.1 Ant1

1.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
		2412	12.417	12.580	98.70	0.06	0.92
802.11b	SISO	2437	12.420	12.580	98.73	0.06	0.84
		2462	12.420	12.580	98.73	0.06	0.98
	SISO	2412	2.061	2.235	92.21	0.35	5.11
802.11g		2437	2.063	2.227	92.64	0.33	3.52
		2462	2.063	2.235	92.30	0.35	5.93
000 11	SISO	2412	1.919	2.092	91.73	0.37	5.02
802.11n (HT20)		2437	1.918	2.073	92.52	0.34	4.63
(11120)		2462	1.917	2.092	91.63	0.38	4.57
802.11n (HT40)	SISO	2422	0.941	1.097	85.78	0.67	9.39
		2437	0.942	1.097	85.87	0.66	10.25
		2452	0.942	1.115	84.48	0.73	10.78

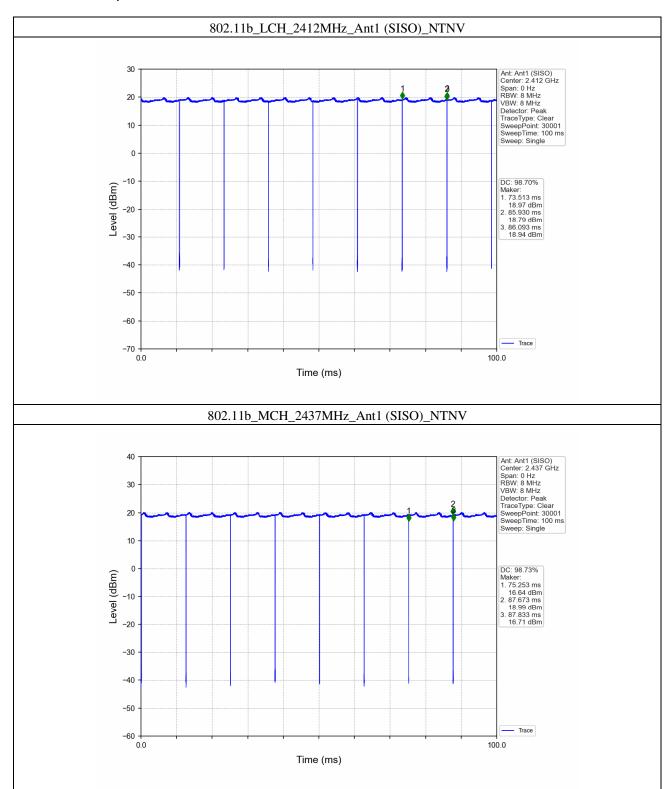




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1.1.2 Test Graph





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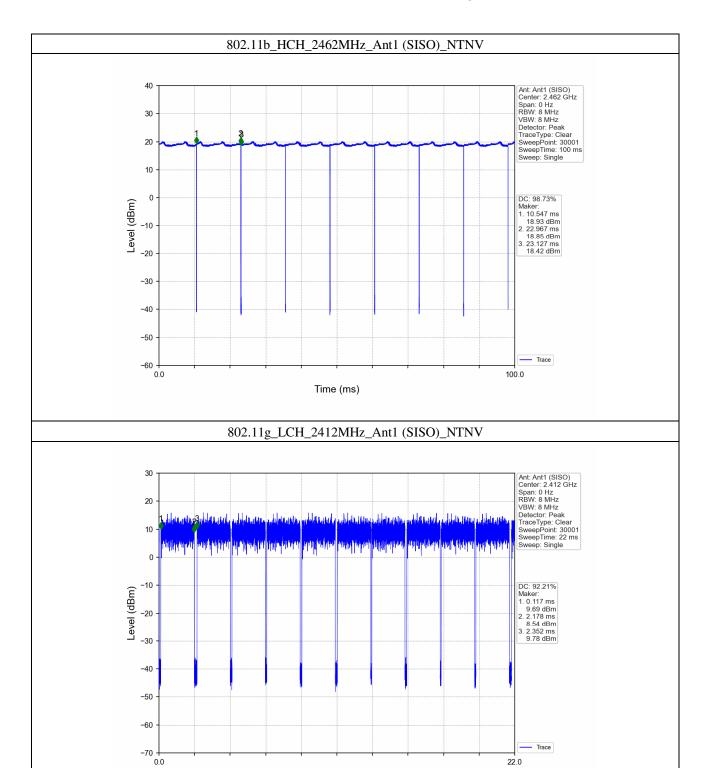
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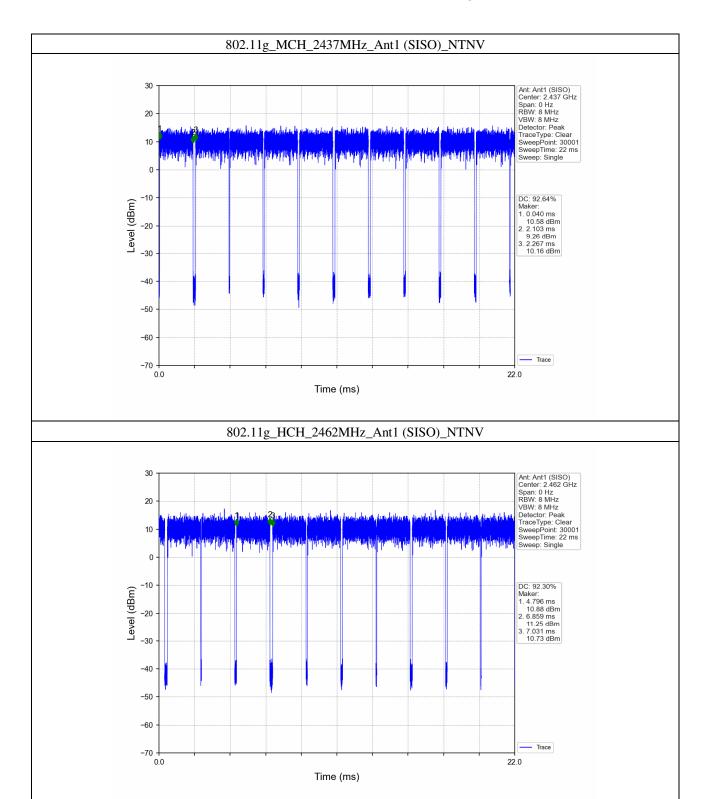
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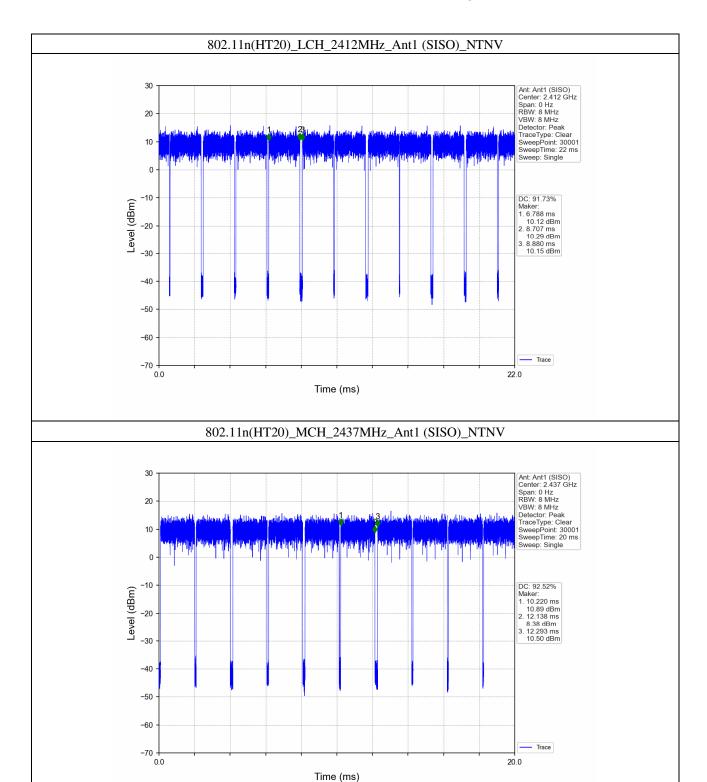
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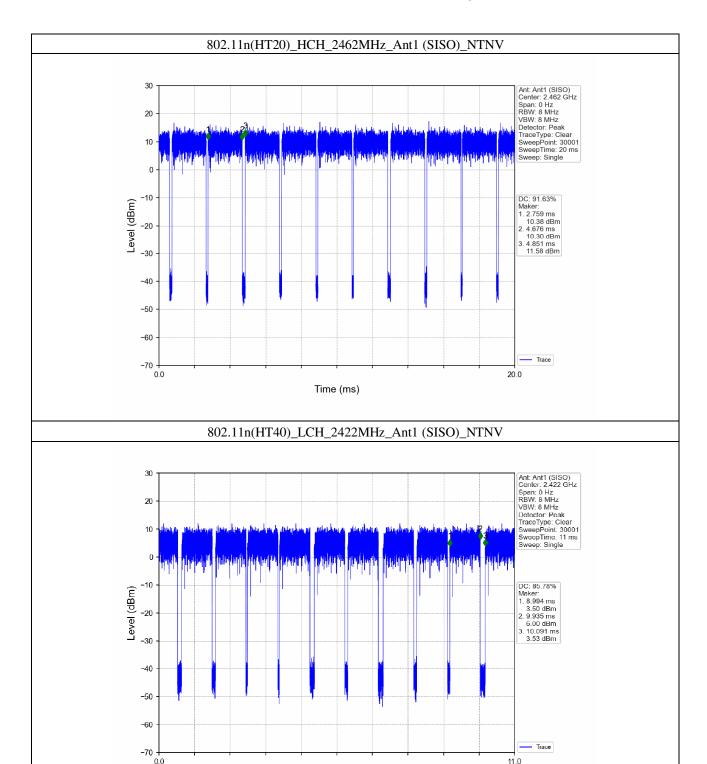
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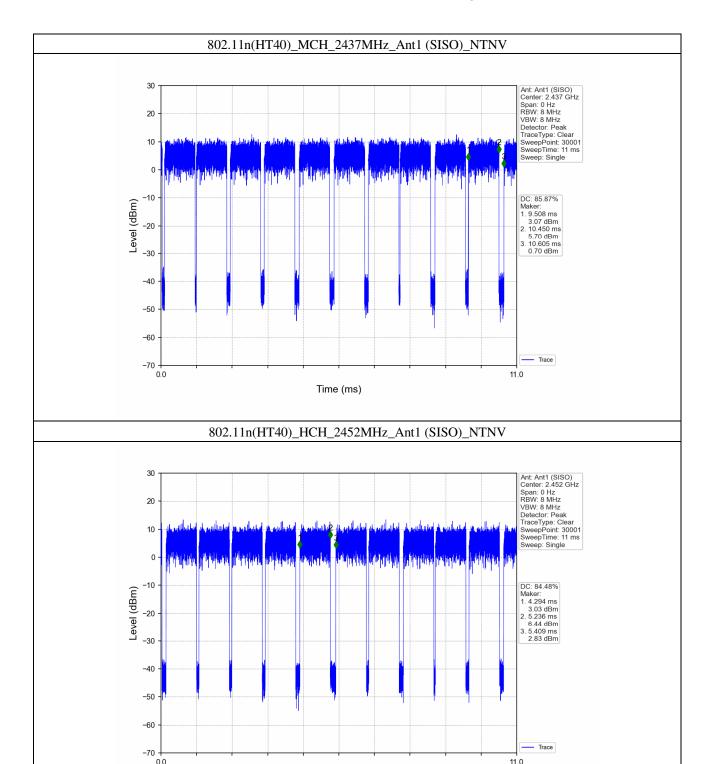
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2. Bandwidth

2.1 OBW

2.1.1 Test Result

Mode	TX	Frequency	Λnt	99% Occupied Bandwidth (MHz)	Verdict
	Type	(MHz)	Ant	Result	
	SISO	2412	1	13.868	Pass
802.11b		2437	1	13.906	Pass
		2462	1	13.812	Pass
	SISO	2412	1	17.693	Pass
802.11g		2437	1	17.587	Pass
		2462	1	17.622	Pass
802.11n (HT20)	SISO	2412	1	18.534	Pass
		2437	1	18.472	Pass
		2462	1	18.501	Pass
802.11n (HT40)	SISO	2422	1	37.522	Pass
		2437	1	36.927	Pass
		2452	1	36.714	Pass



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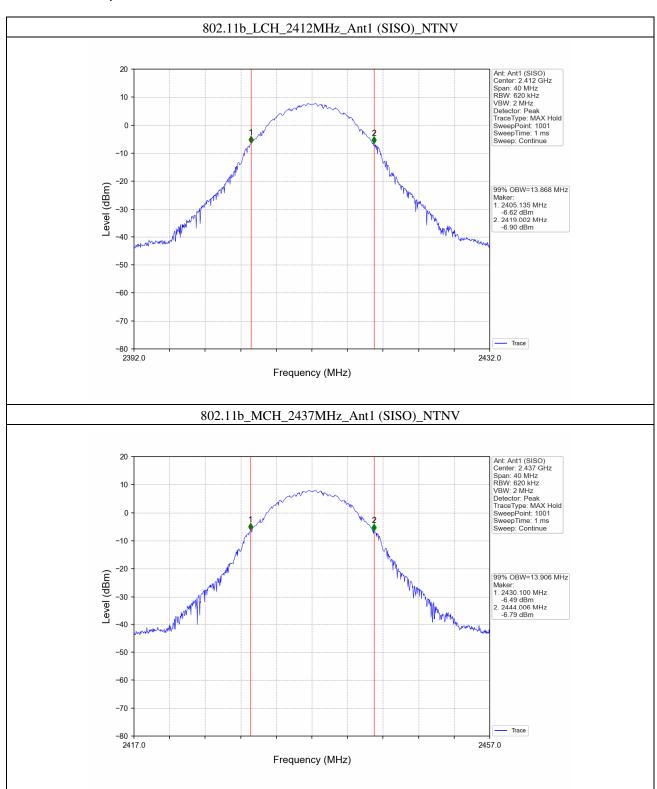
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2.1.2 Test Graph





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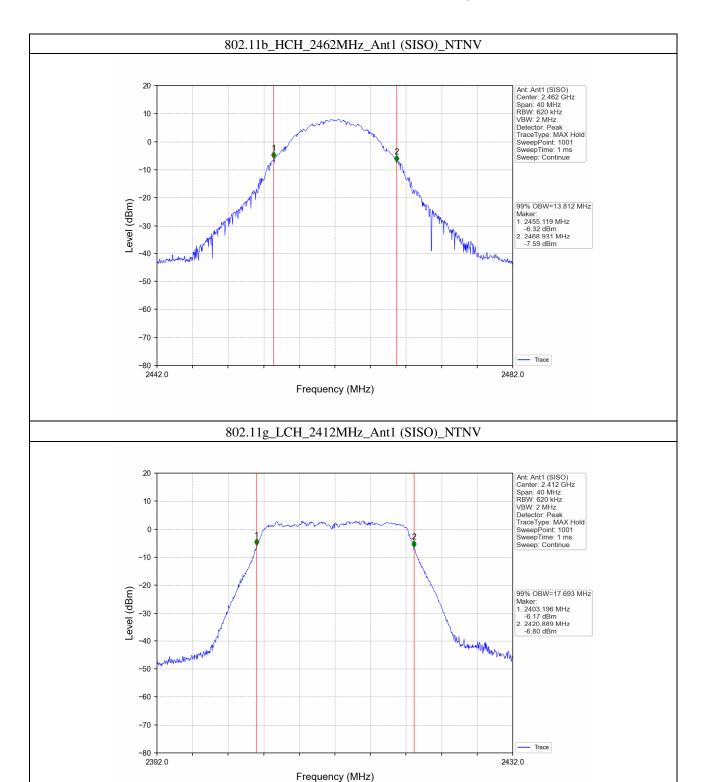
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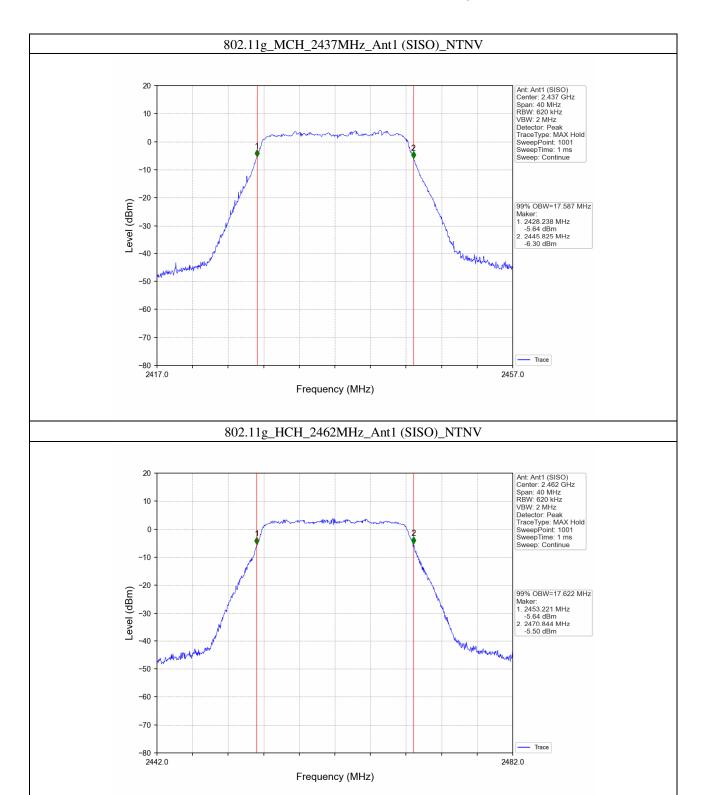
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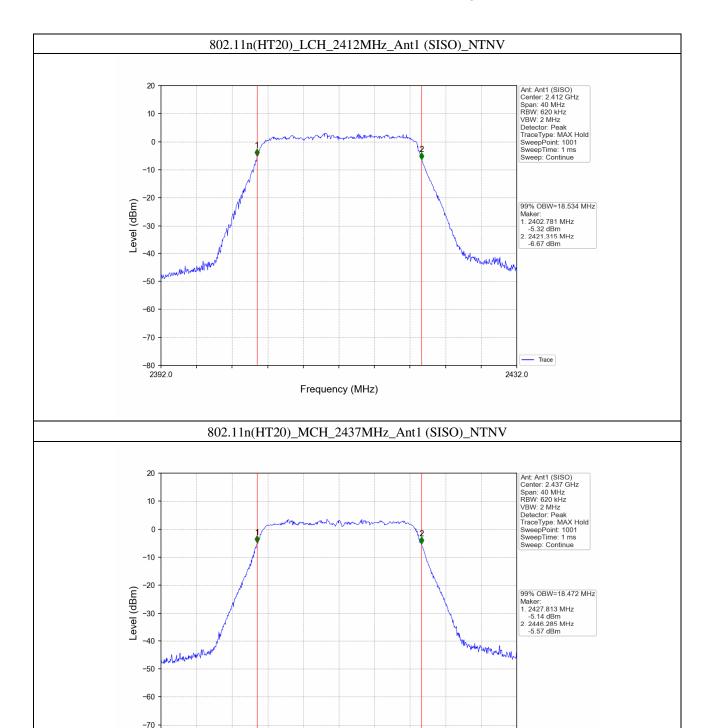
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-80 2417.0

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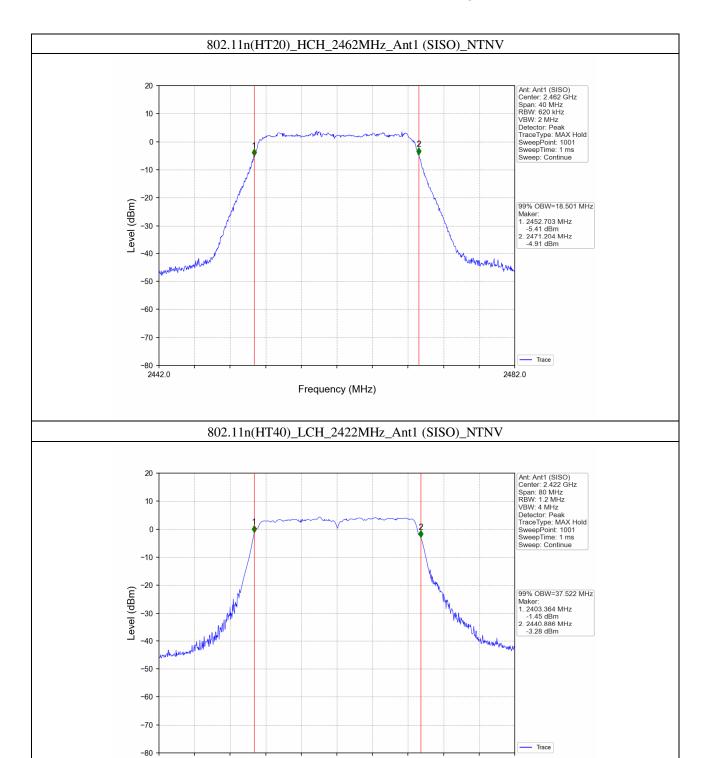
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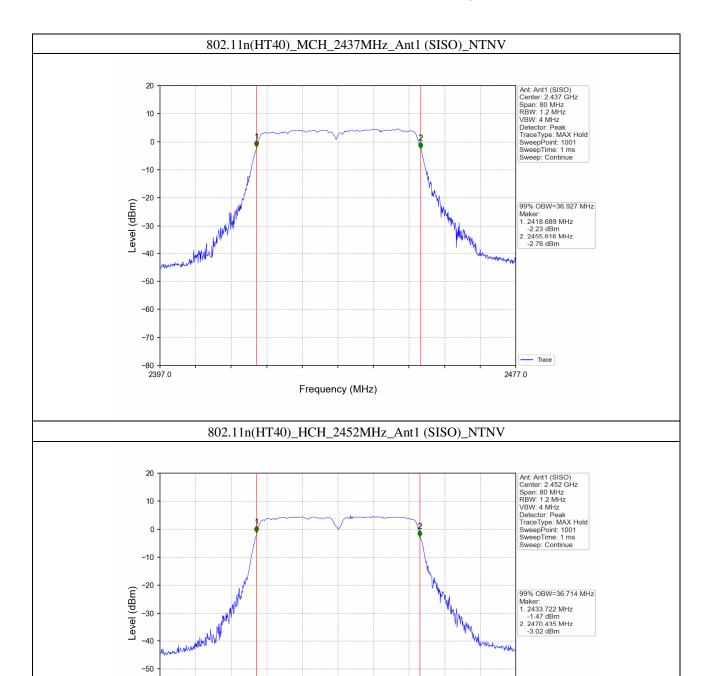
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2.2 6dB BW

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	6dB Bandwidth (MHz)		Voudiat
				Result	Limit	Verdict
802.11b	SISO	2412	1	9.065	>=0.5	Pass
		2437	1	9.023	>=0.5	Pass
		2462	1	9.057	>=0.5	Pass
802.11g	SISO	2412	1	16.409	>=0.5	Pass
		2437	1	16.399	>=0.5	Pass
		2462	1	16.386	>=0.5	Pass
802.11n (HT20)	SISO	2412	1	17.587	>=0.5	Pass
		2437	1	17.587	>=0.5	Pass
		2462	1	17.573	>=0.5	Pass
802.11n (HT40)	SISO	2422	1	35.965	>=0.5	Pass
		2437	1	36.078	>=0.5	Pass
		2452	1	36.316	>=0.5	Pass



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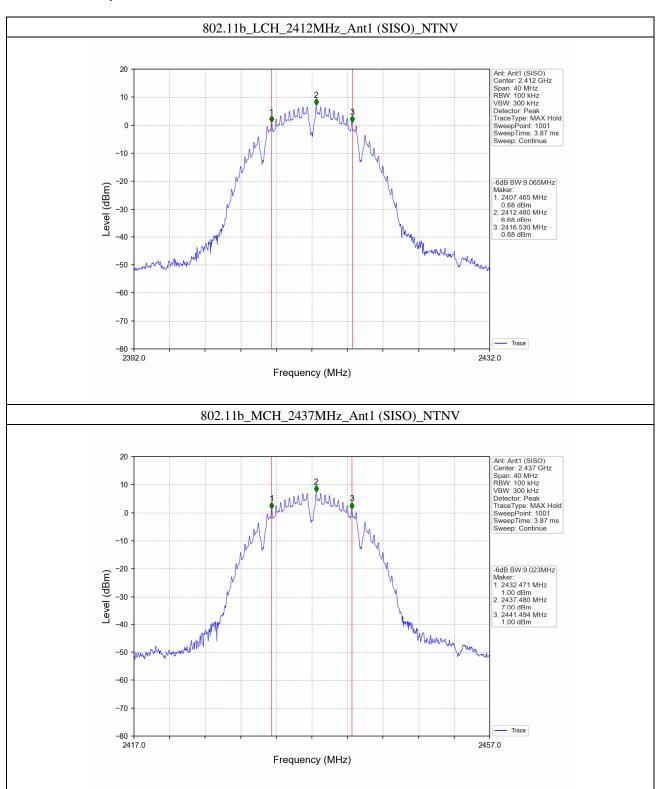
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2.2.2 Test Graph





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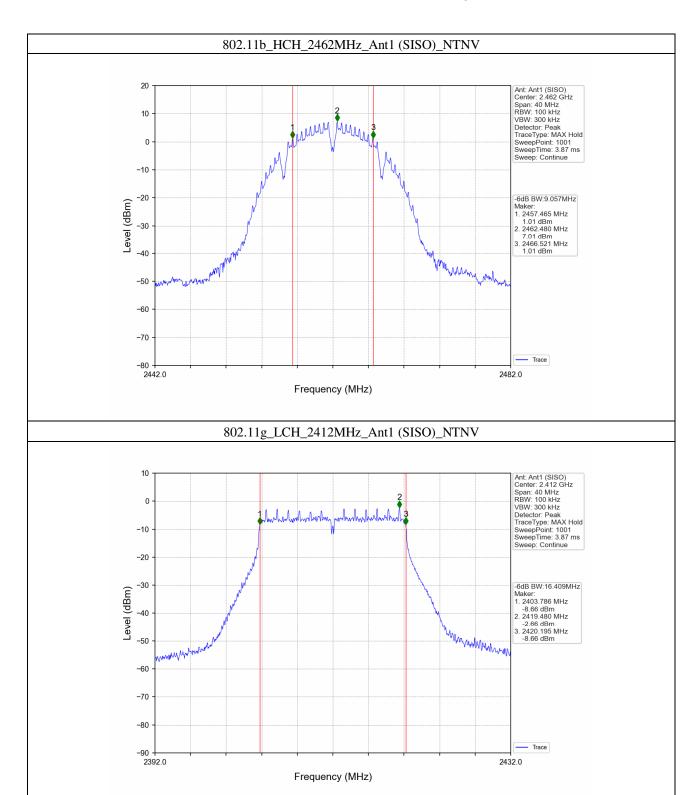
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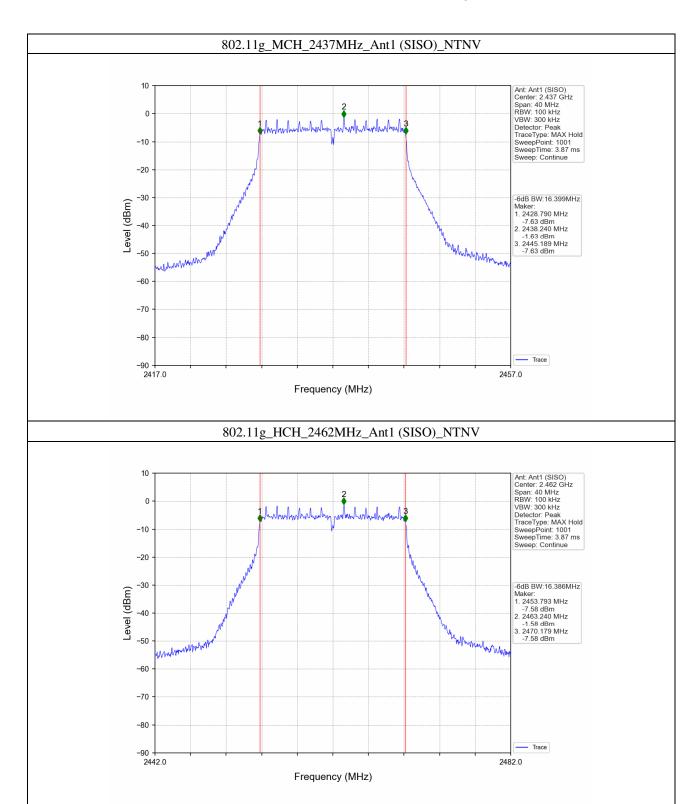
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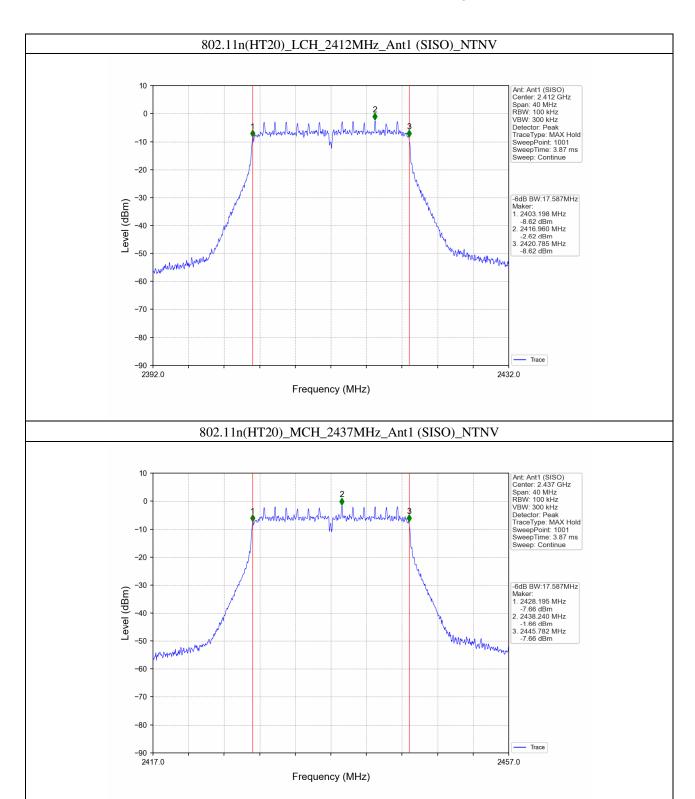
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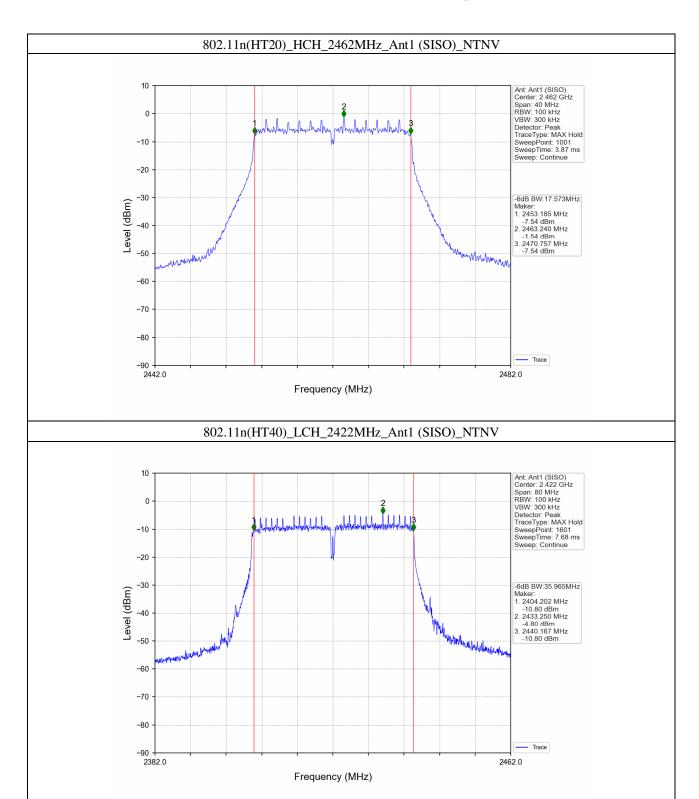
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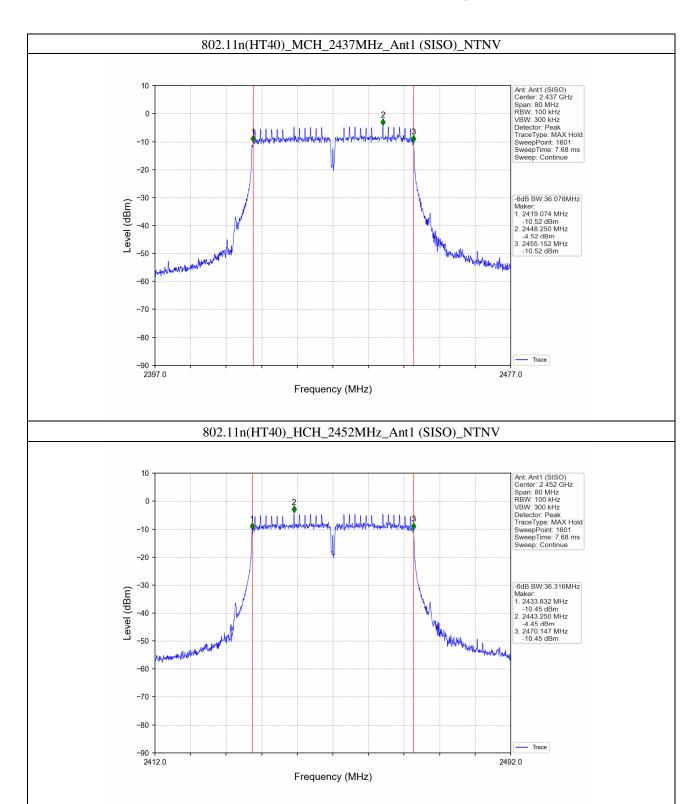
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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Conducted	Voudiet		
			Ant1	Limit	Verdict	
802.11b	SISO	2412	10.40	<=30	Pass	
		2437	10.55	<=30	Pass	
		2462	9.92	<=30	Pass	
	SISO	2412	8.14	<=30	Pass	
802.11g		2437	8.10	<=30	Pass	
		2462	7.58	<=30	Pass	
802.11n (HT20)	SISO	2412	7.98	<=30	Pass	
		2437	8.01	<=30	Pass	
		2462	7.51	<=30	Pass	
802.11n (HT40)	SISO	2422	9.33	<=30	Pass	
		2437	9.64	<=30	Pass	
		2452	9.74	<=30	Pass	
Note1: Antenna Gain: Ant1: 1.5dBi;						



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4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

Mode	TX	Frequency	Maximum PS	Mondiat		
ivioue	Type	(MHz)	Ant1	Limit	Verdict	
802.11b	SISO	2412	-11.50	<=8	Pass	
		2437	-12.09	<=8	Pass	
		2462	-11.71	<=8	Pass	
	SISO	2412	-16.37	<=8	Pass	
802.11g		2437	-17.16	<=8	Pass	
		2462	-17.11	<=8	Pass	
000 11	SISO	2412	-17.18	<=8	Pass	
802.11n (HT20)		2437	-17.48	<=8	Pass	
		2462	-17.20	<=8	Pass	
802.11n (HT40)	SISO	2422	-15.41	<=8	Pass	
		2437	-14.96	<=8	Pass	
		2452	-14.87	<=8	Pass	
Note1: Antenna Gain: Ant1: 1.5dBi;						



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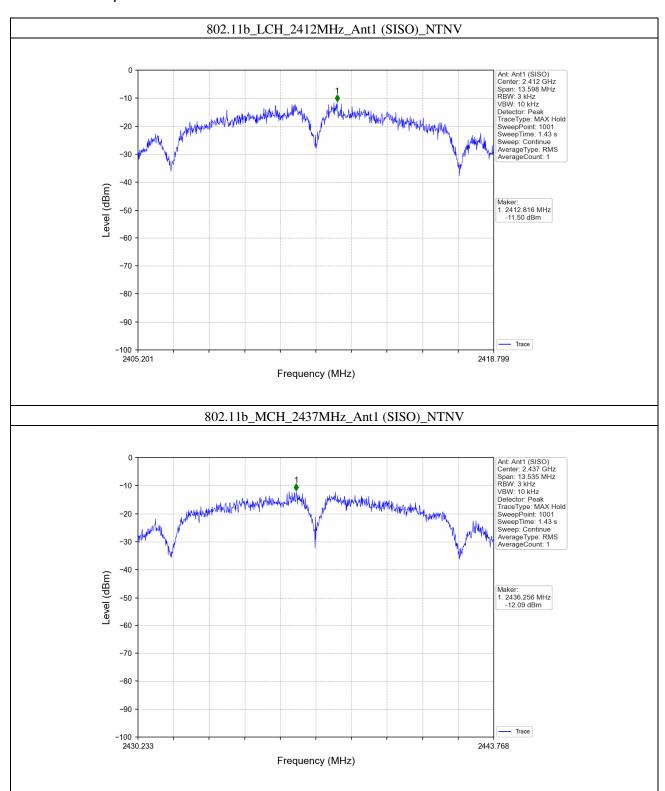
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4.1.2 Test Graph





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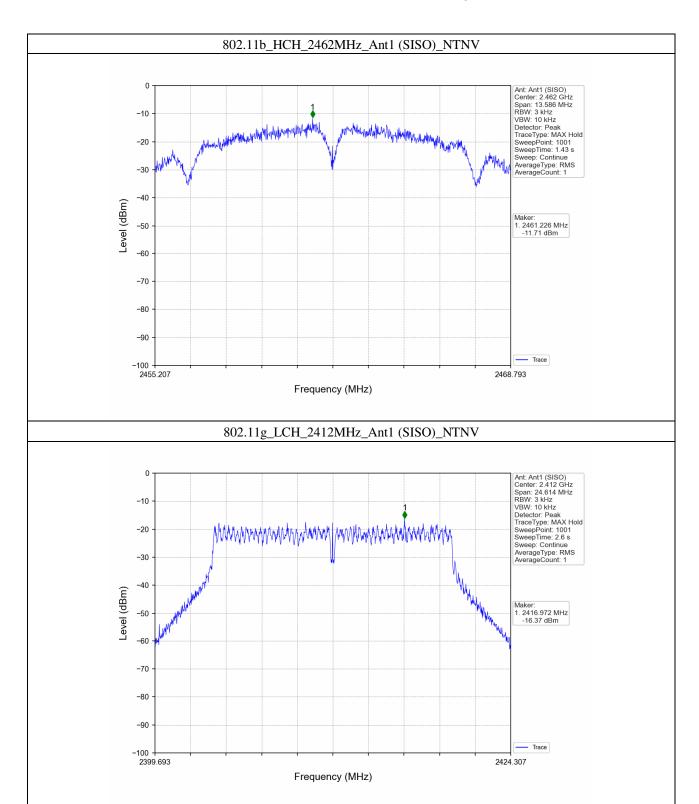
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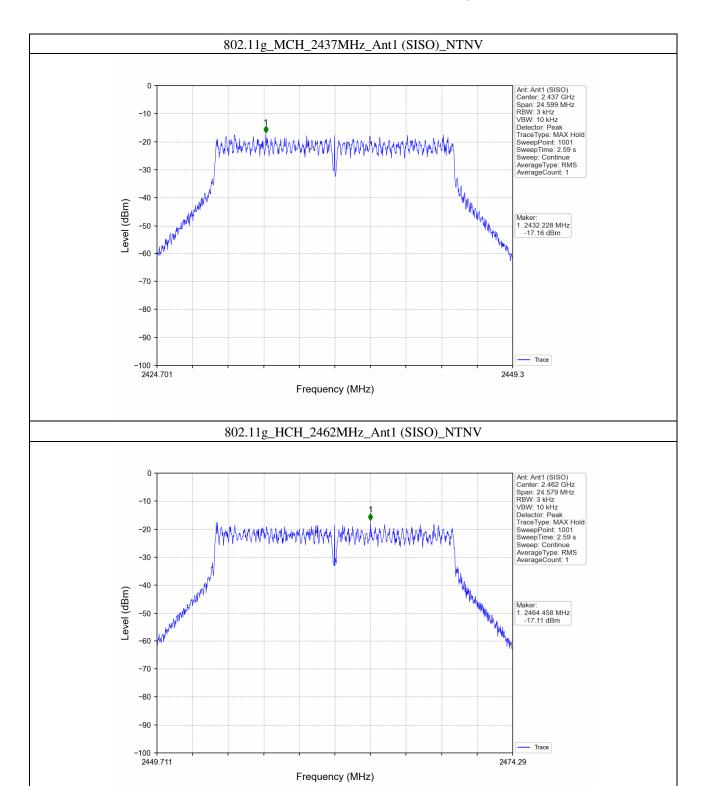
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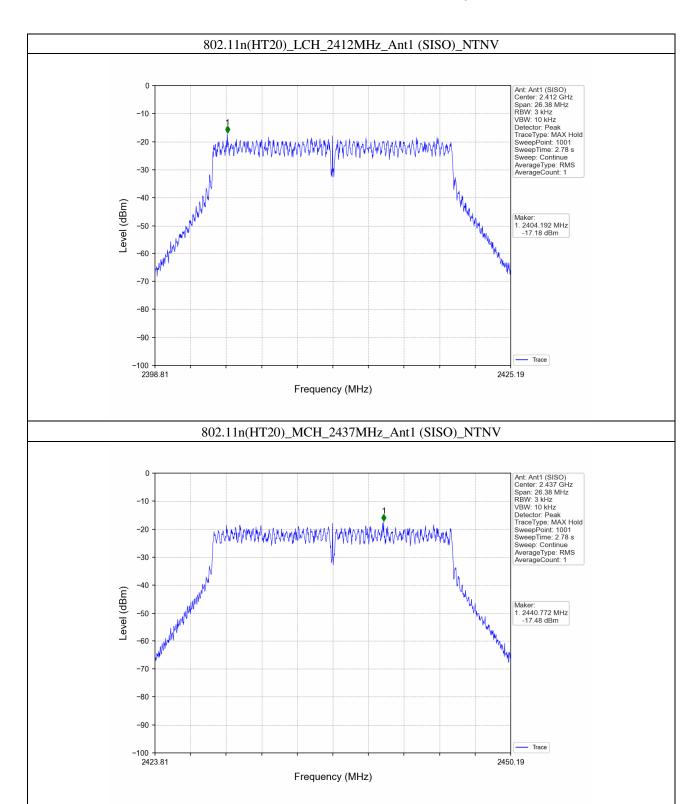
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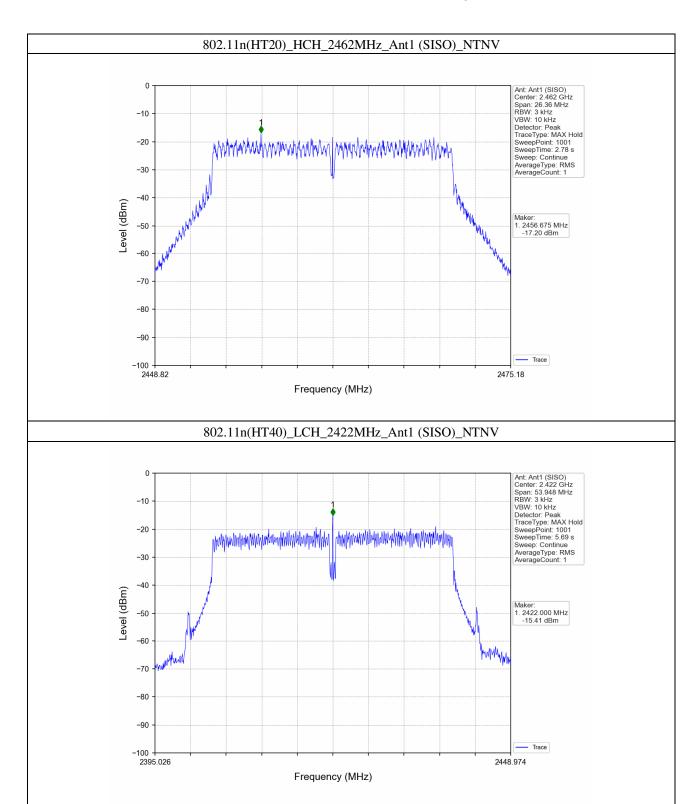
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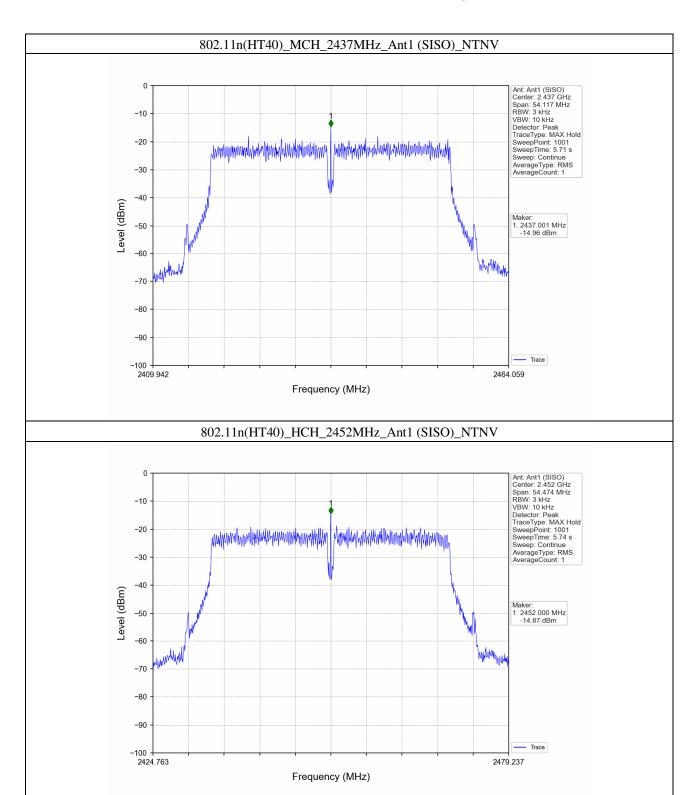
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5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

5.1.1 Test Result

Mode	TX Type	Frequency (MHz)		
802.11b	SISO	2412	1	6.60
		2437	1	6.81
		2462	1	6.81
802.11g	SISO	2412	1	-2.65
		2437	1	-1.82
		2462	1	-1.75
802.11n (HT20)	SISO	2412	1	-2.32
		2437	1	-1.68
		2462	1	-1.85
802.11n (HT40)	SISO	2422	1	-5.06
		2437	1	-4.69
		2452	1	-4.63

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.



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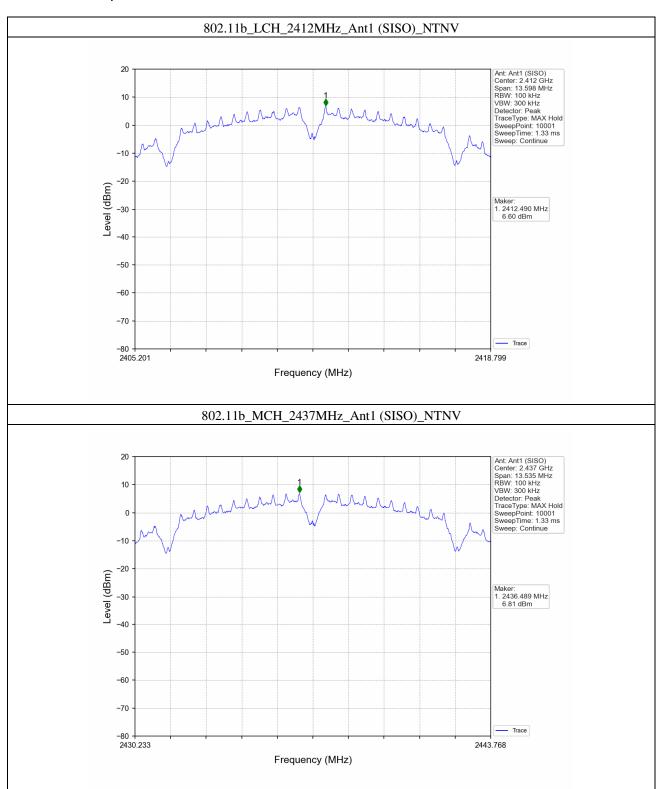
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5.1.2 Test Graph





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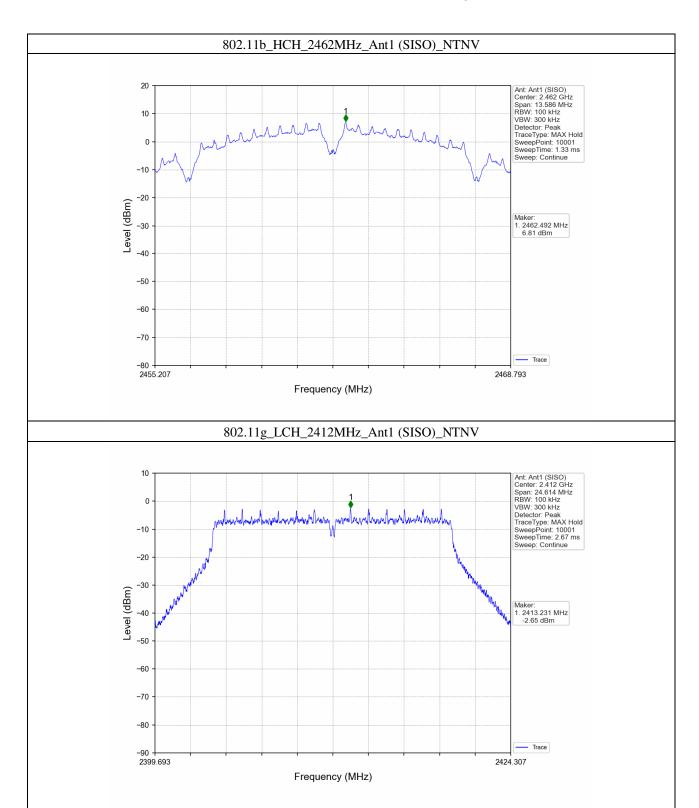
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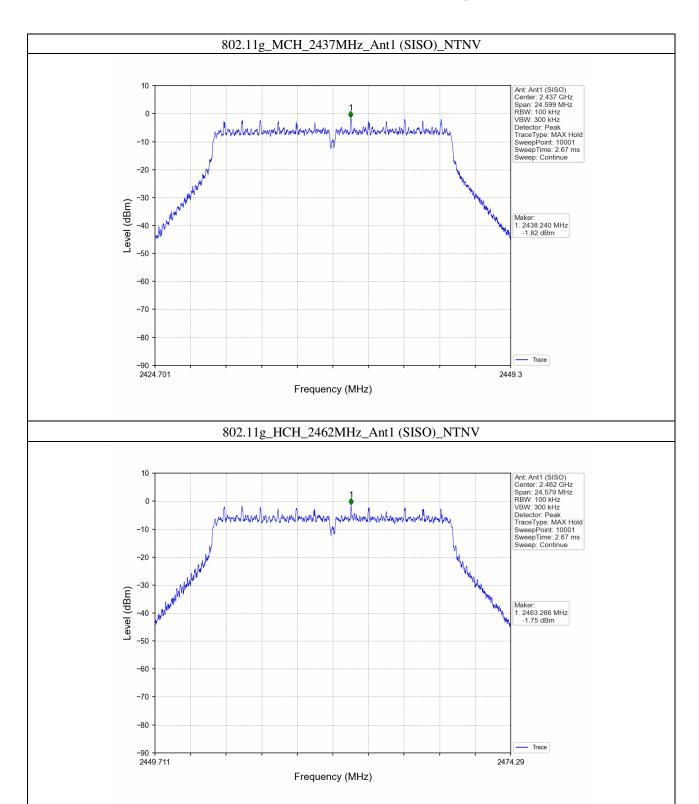
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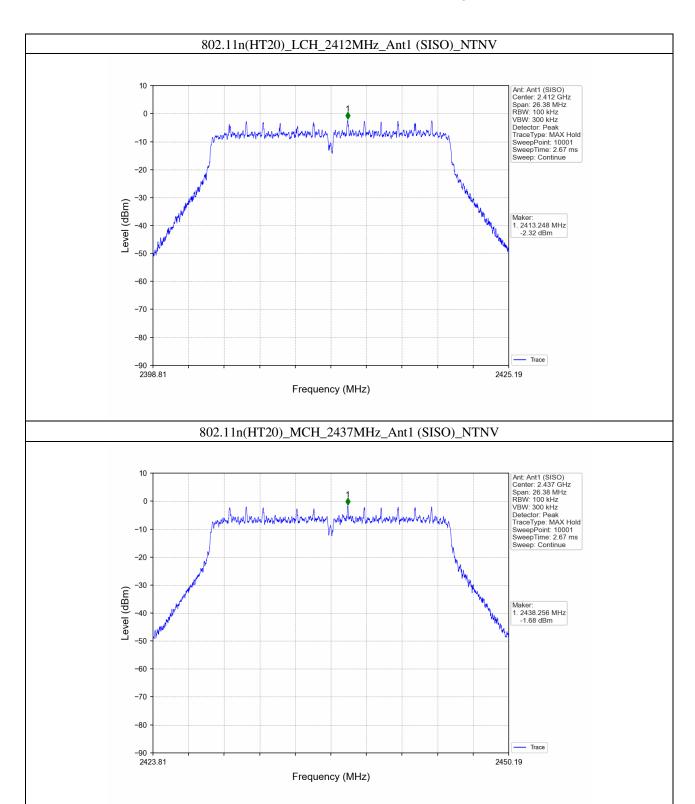
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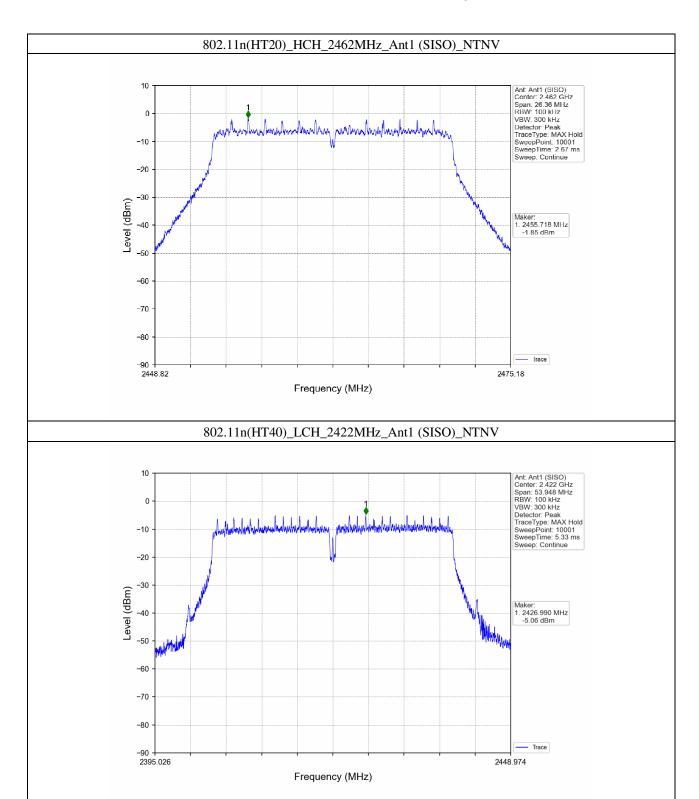
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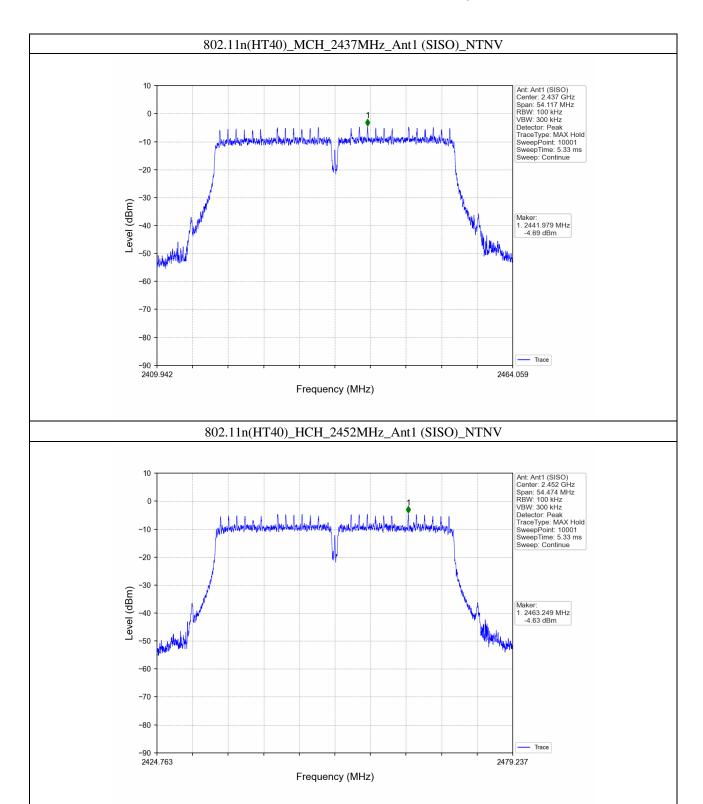
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5.2 CSE

5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	6.81	-23.19	Pass
		2437	1	6.81	-23.19	Pass
		2462	1	6.81	-23.19	Pass
802.11g	SISO	2412	1	-1.75	-31.75	Pass
		2437	1	-1.75	-31.75	Pass
		2462	1	-1.75	-31.75	Pass
802.11n (HT20)	SISO	2412	1	-1.68	-31.68	Pass
		2437	1	-1.68	-31.68	Pass
		2462	1	-1.68	-31.68	Pass
802.11n (HT40)	SISO	2422	1	-4.63	-34.63	Pass
		2437	1	-4.63	-34.63	Pass
		2452	1	-4.63	-34.63	Pass

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.



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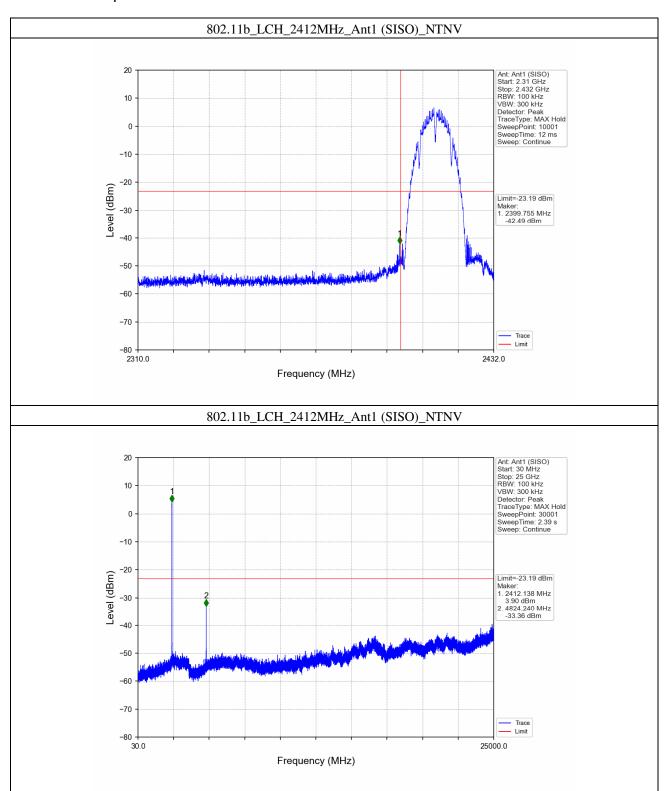
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5.2.2 Test Graph





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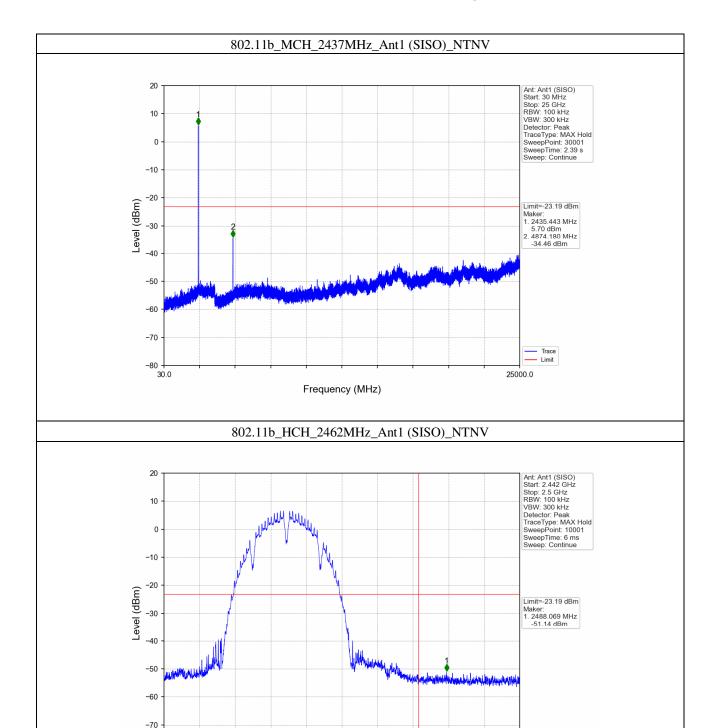
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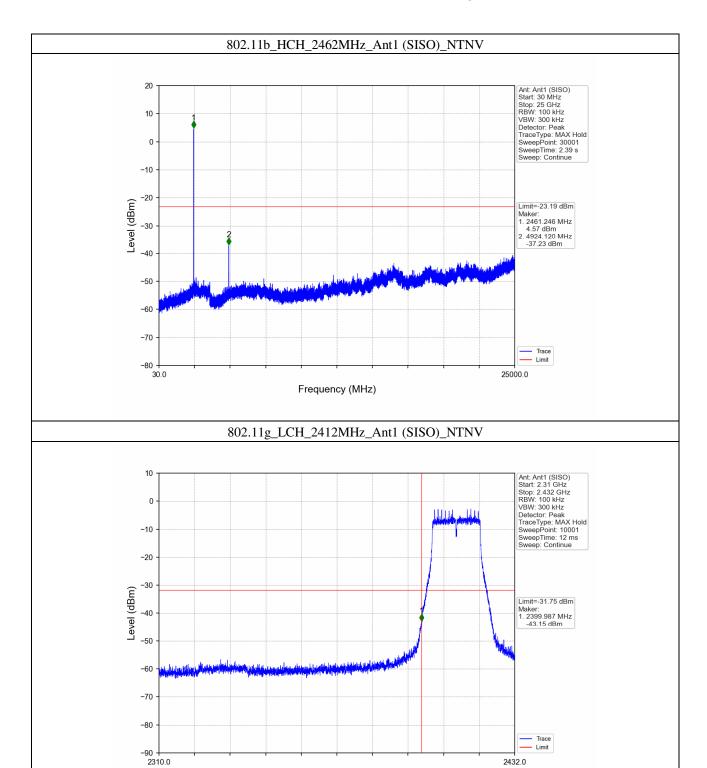
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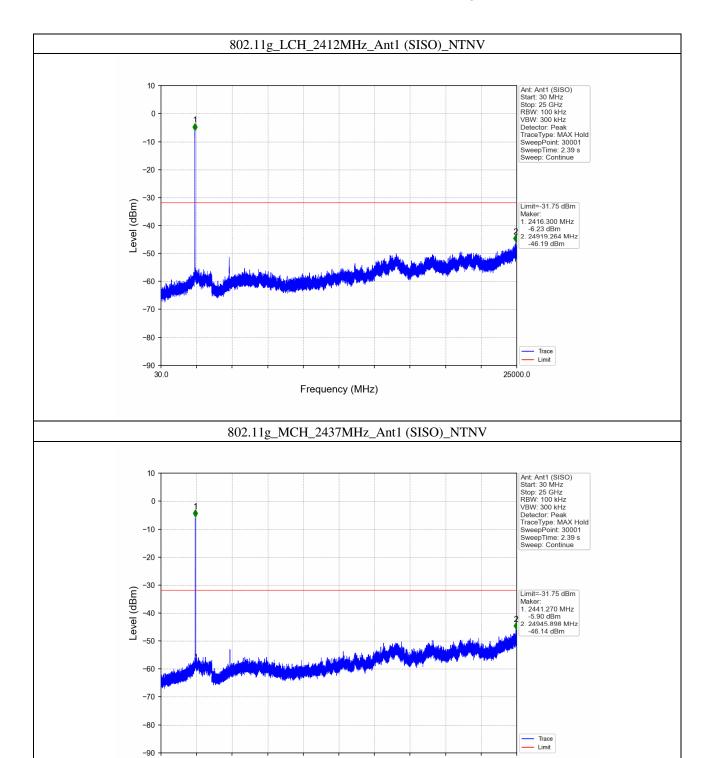
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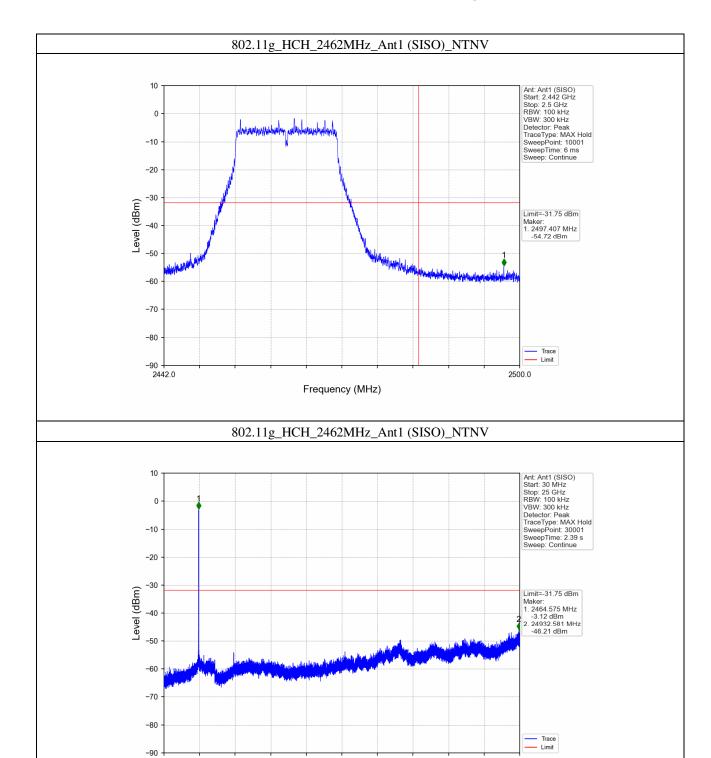
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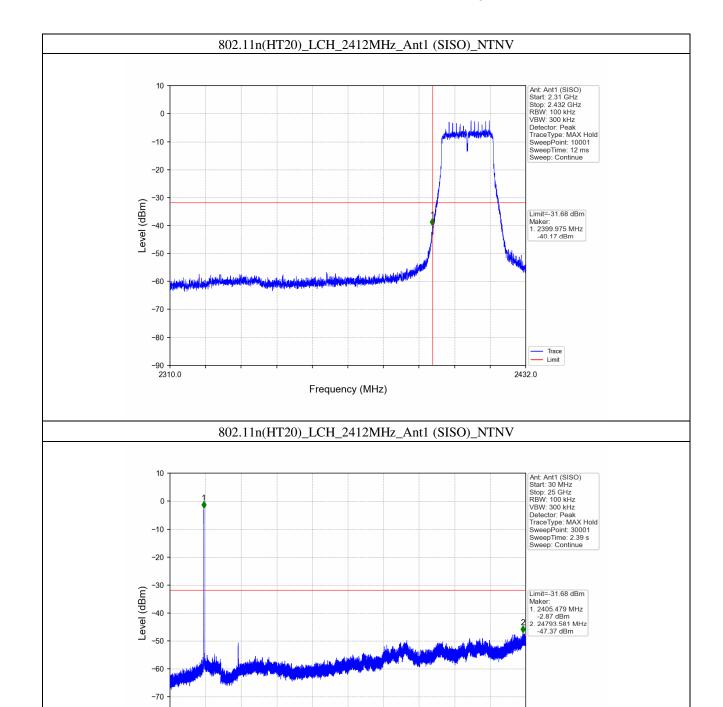
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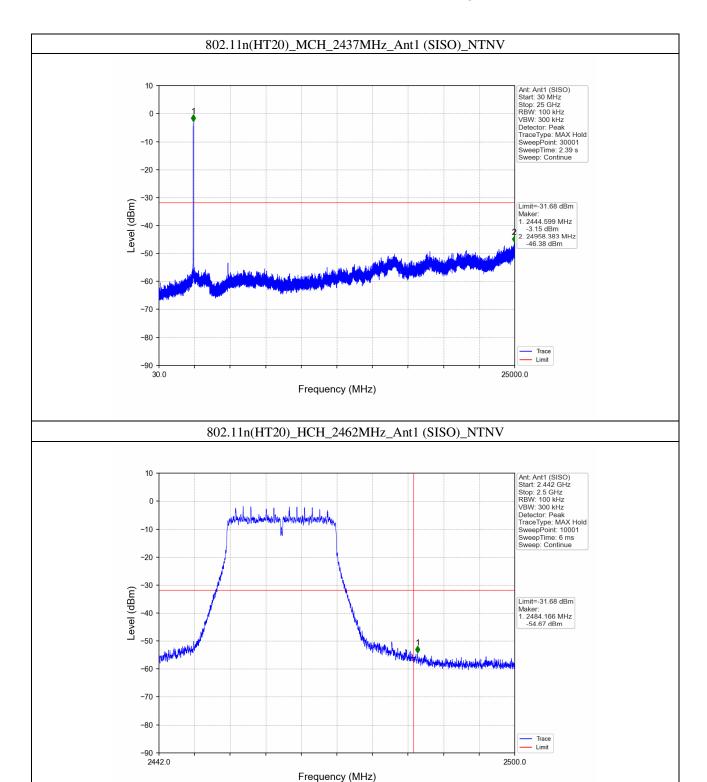
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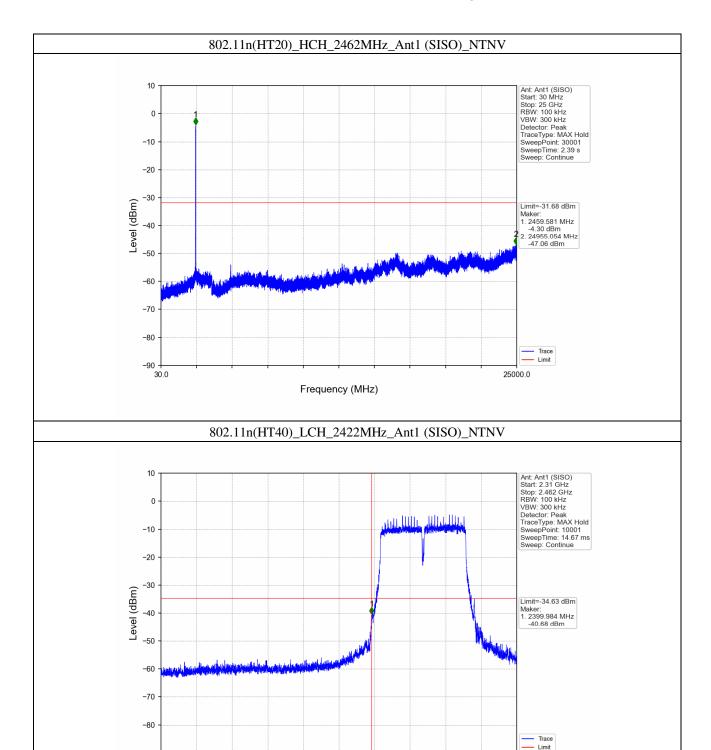
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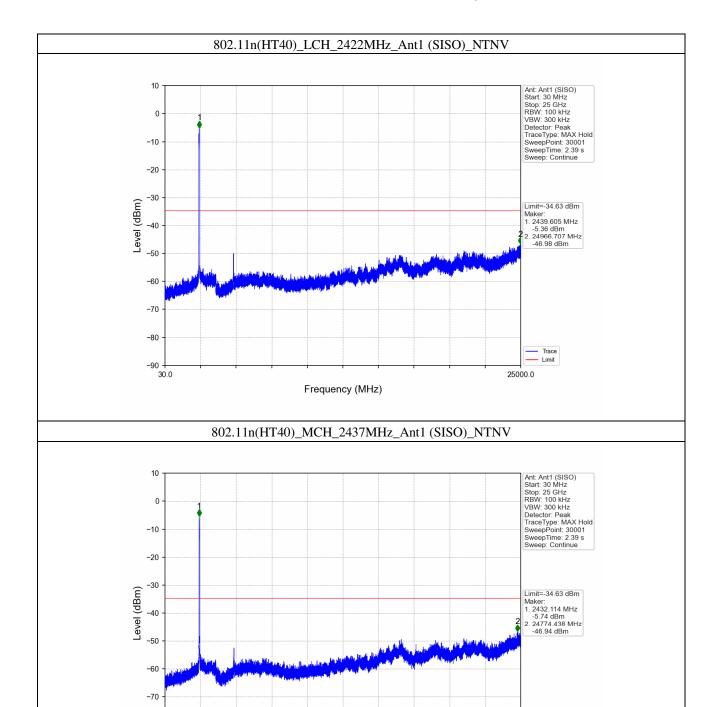
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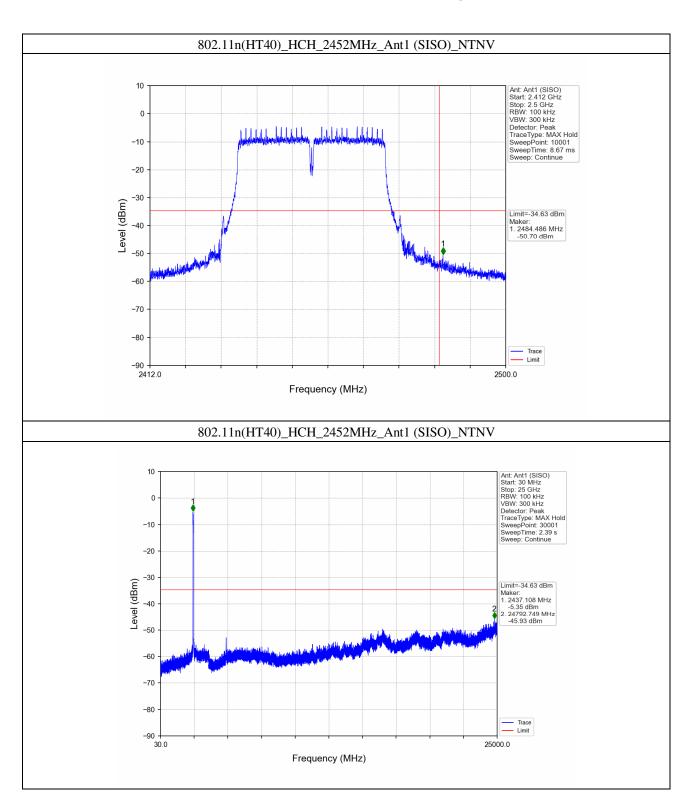
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