

EMC-TRF-01 Rev 1.1

Report No.: GZCR230600055001

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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 (%)	
	SISO	2412	0.994	9.927	10.01	9.99	0.03	
802.11b		2437	0.993	9.923	10.01	10.00	0.03	
		2462	0.994	9.924	10.02	9.99	0.03	
	SISO	2412	0.694	6.978	9.95	10.02	0.04	
802.11g		2437	0.694	6.977	9.95	10.02	0.03	
		2462	0.695	6.979	9.96	10.02	0.04	
000 11	SISO	2412	0.657	6.617	9.93	10.03	0.03	
802.11n (HT20)		2437	0.658	6.617	9.94	10.02	0.04	
(11120)		2462	0.657	6.616	9.93	10.03	0.03	
802.11n (HT40)	SISO	2422	0.338	3.417	9.89	10.05	0.03	
		2437	0.338	3.417	9.89	10.05	0.03	
		2452	0.336	3.417	9.83	10.07	0.07	



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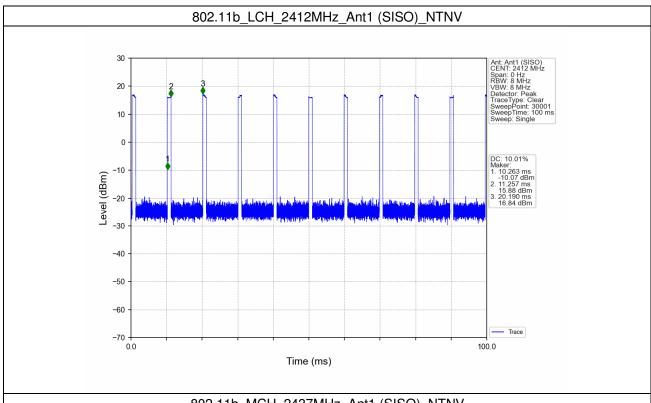


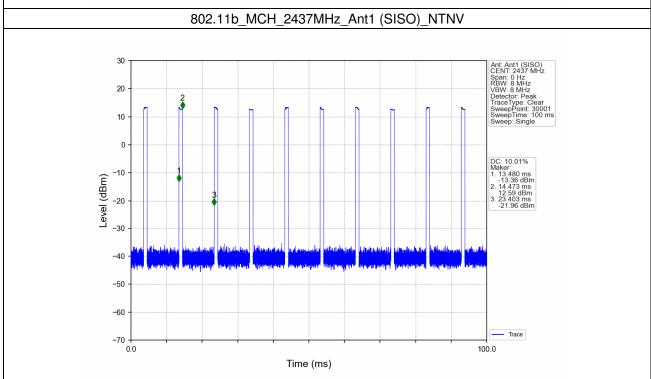
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1.1.2 Test Graph







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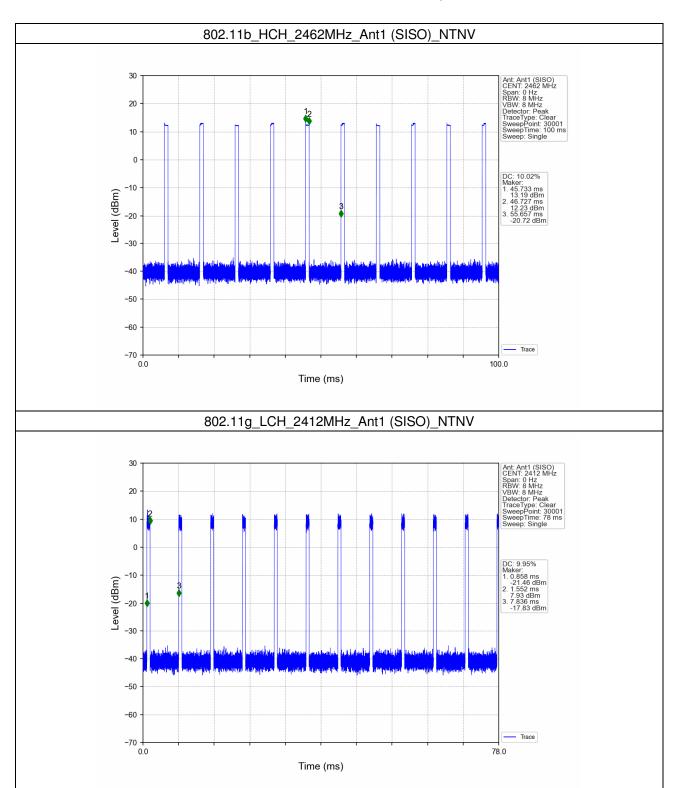
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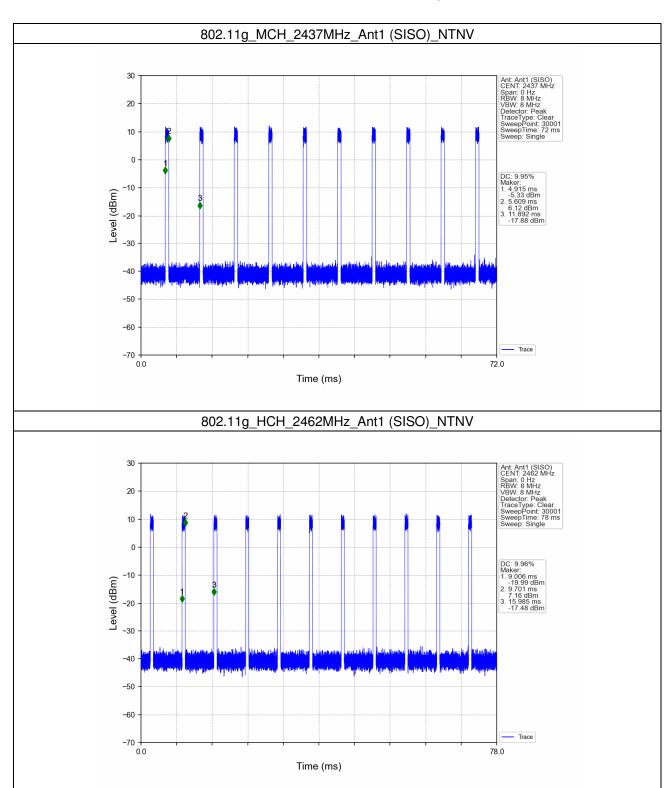
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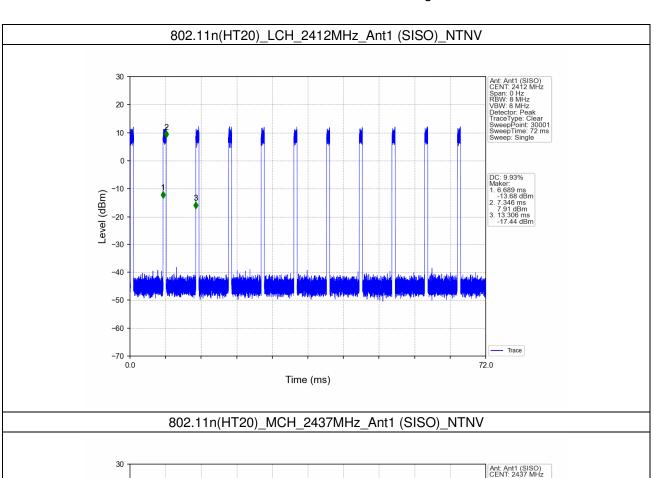
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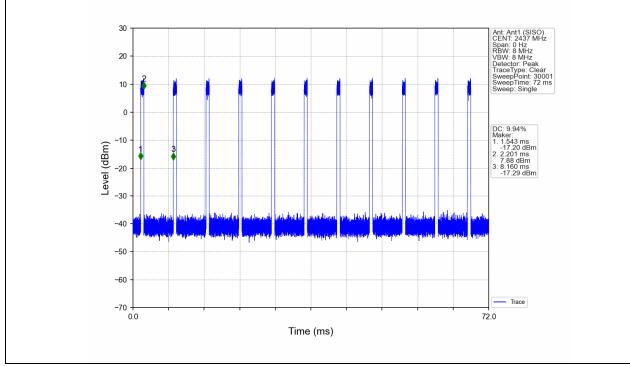


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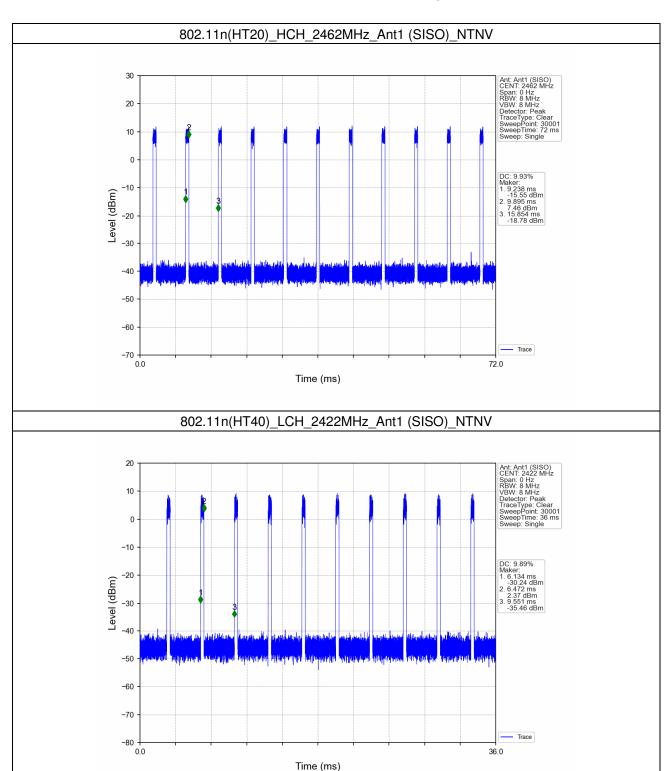
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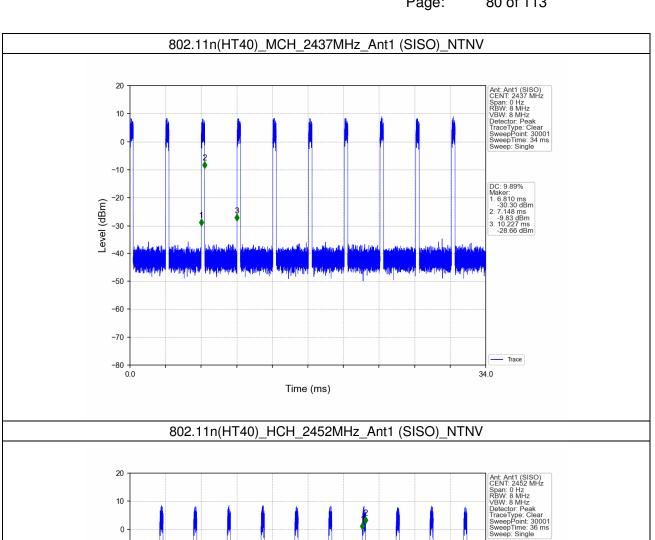
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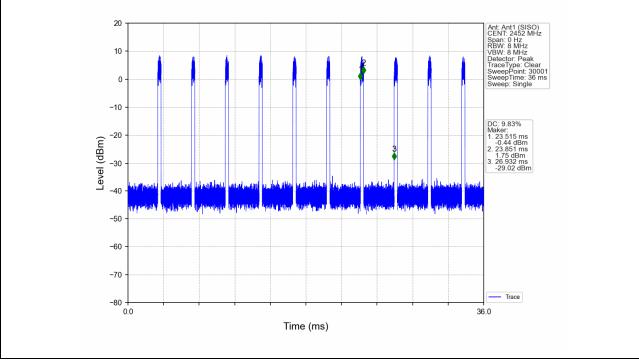


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2. Bandwidth

2.1 6dB BW

2.1.1 Test Result

Mode	TX	Frequency (MHz)	ANT	6dB Bandv	Verdict	
	Type		AINT	Result	Limit	verdict
	SISO	2412	1	11.097	>=0.5	Pass
802.11b		2437	1	11.120	>=0.5	Pass
		2462	1	11.115	>=0.5	Pass
	SISO	2412	1	16.940	>=0.5	Pass
802.11g		2437	1	16.892	>=0.5	Pass
		2462	1	16.652	>=0.5	Pass
000 11		2412	1	18.276	>=0.5	Pass
802.11n (HT20)	SISO	2437	1	18.304	>=0.5	Pass
		2462	1	18.270	>=0.5	Pass
802.11n (HT40)		2422	1	35.131	>=0.5	Pass
	SISO	SO 2437 1 33.890	33.890	>=0.5	Pass	
		2452	1	33.935	>=0.5	Pass



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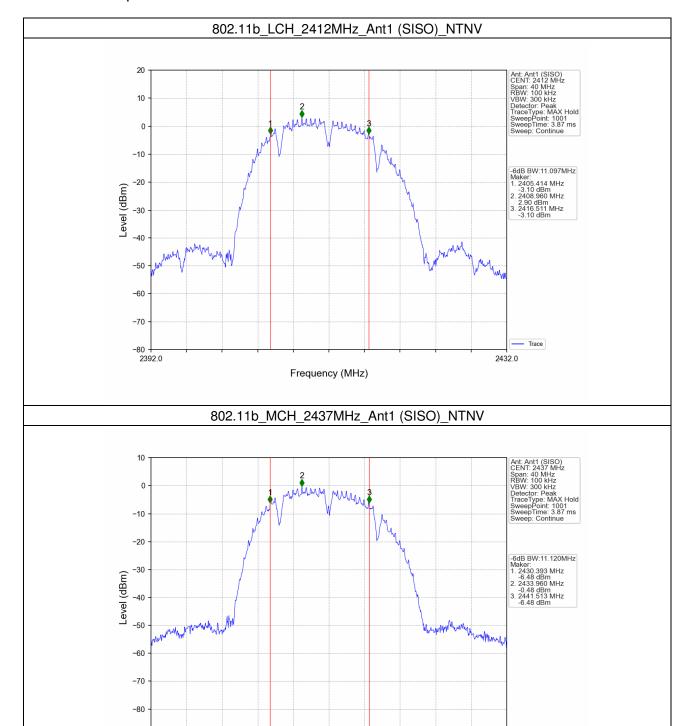


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2.1.2 Test Graph





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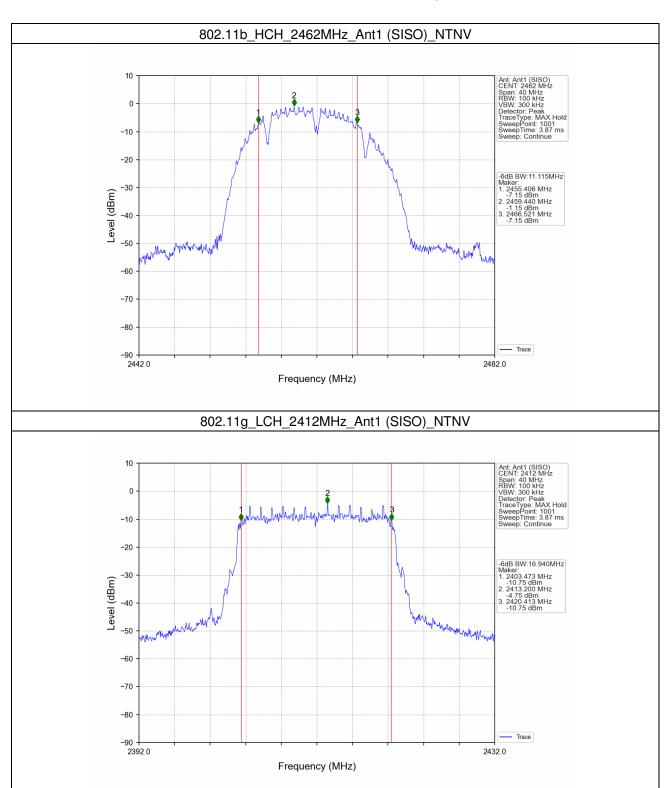
Frequency (MHz)



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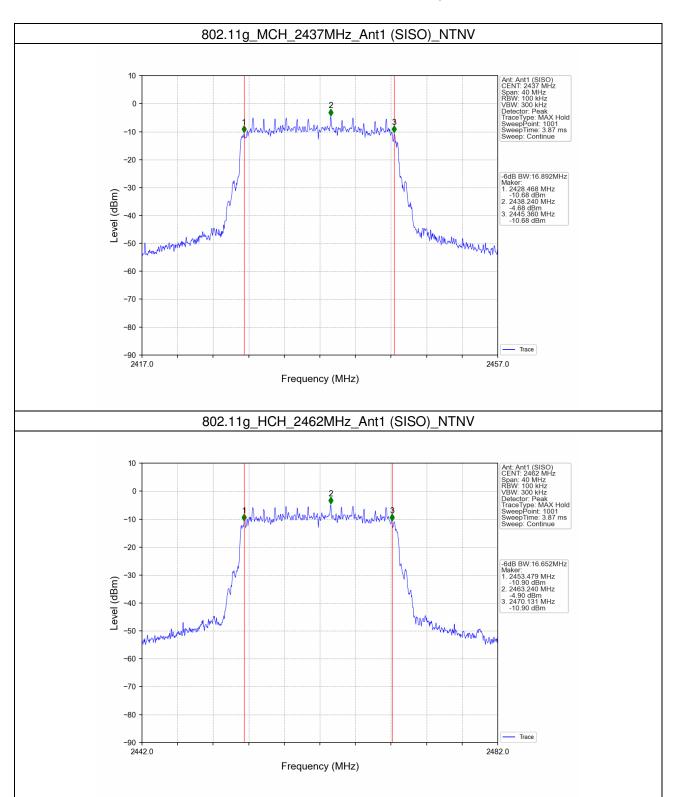
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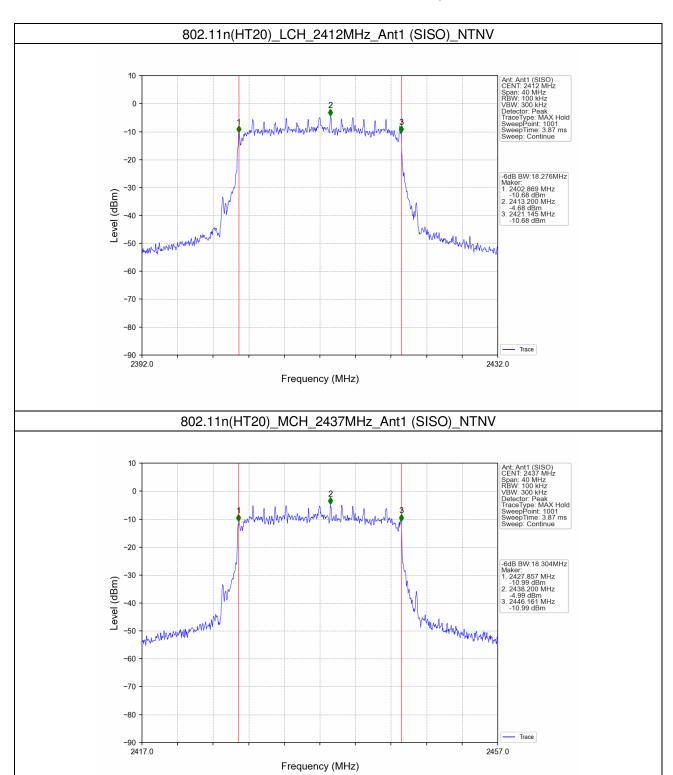
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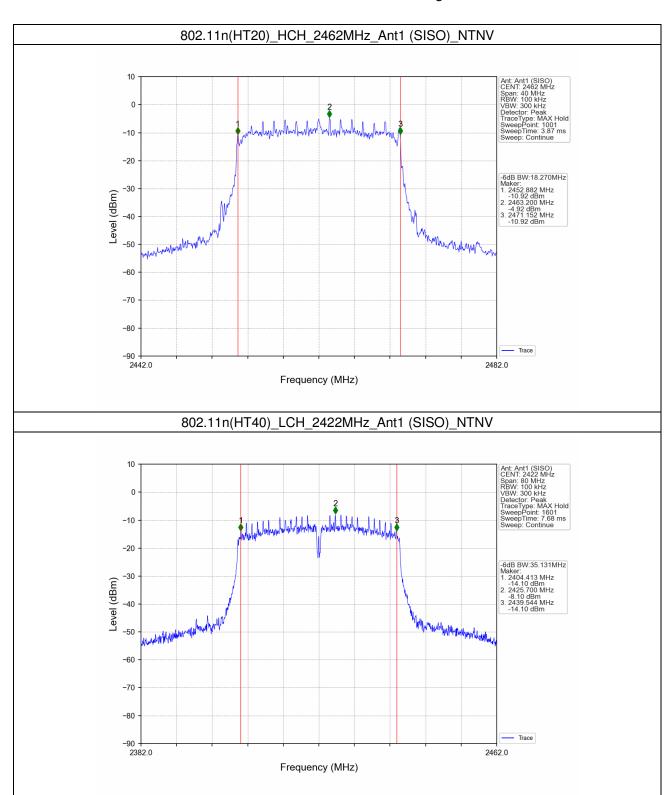
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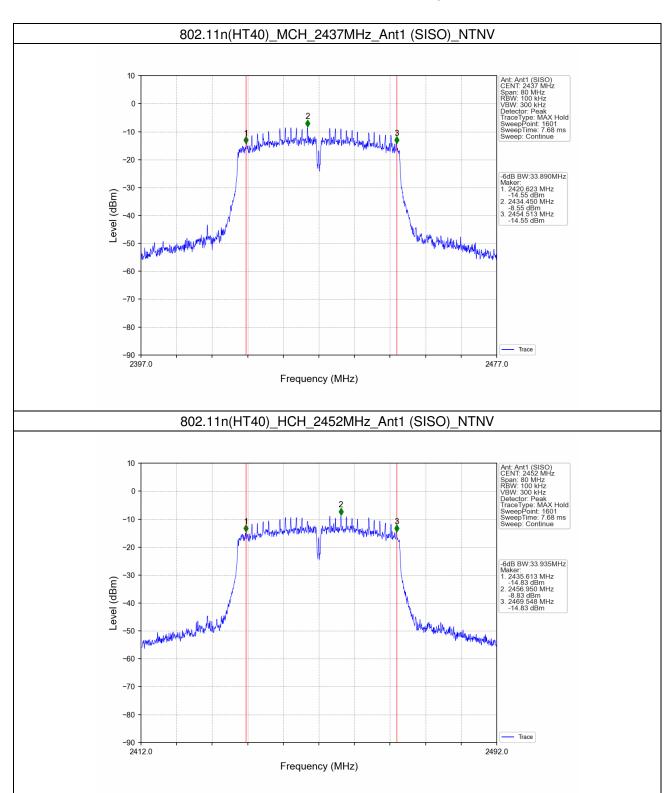
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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX	Frequency (MHz)	Maximum Peak Conduc	Verdict			
Wiode	Type		ANT1	Limit	v c i dict		
	SISO	2412	13.23	<=30	Pass		
802.11b		2437	13.16	<=30	Pass		
		2462	12.86	<=30	Pass		
		2412	13.55	<=30	Pass		
802.11g	SISO	2437	13.71	<=30	Pass		
		2462	13.42	<=30	Pass		
222.44	SISO	2412	13.55	<=30	Pass		
802.11n (HT20)		2437	13.67	<=30	Pass		
(11120)		2462	13.39	<=30	Pass		
802.11n (HT40)	SISO		2422	12.59	<=30	Pass	
		2437	11.96	<=30	Pass		
		2452	11.76	<=30	Pass		
Note1: Antenna Gain: Ant1: 2.64dBi;							



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4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

Mode	TX	Frequency	Maximum PS	Verdict			
Mode	Type	(MHz)	ANT1	Limit	verdict		
	SISO	2412	-10.23	<=8	Pass		
802.11b		2437	-13.44	<=8	Pass		
		2462	-13.92	<=8	Pass		
		2412	-19.49	<=8	Pass		
802.11g	SISO	2437	-17.30	<=8	Pass		
		2462	-17.78	<=8	Pass		
000.44		2412	-17.83	<=8	Pass		
802.11n (HT20)	SISO	2437	-19.04	<=8	Pass		
		2462	-18.69	<=8	Pass		
802.11n (HT40)	SISO	2422	-21.57	<=8	Pass		
		2437	-21.44	<=8	Pass		
		2452	-24.11	<=8	Pass		
Note1: Antenna Gain: Ant1: 2.64dBi;							



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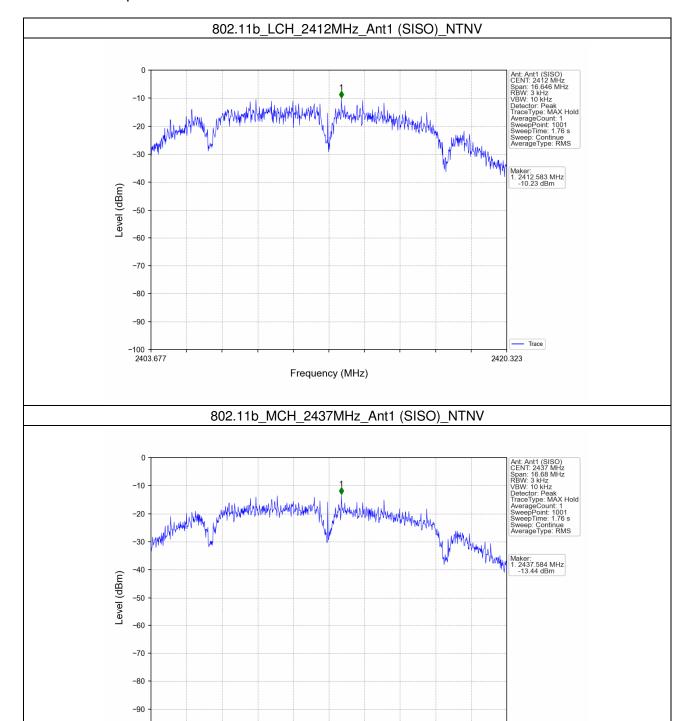


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4.1.2 Test Graph





-100

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Frequency (MHz)

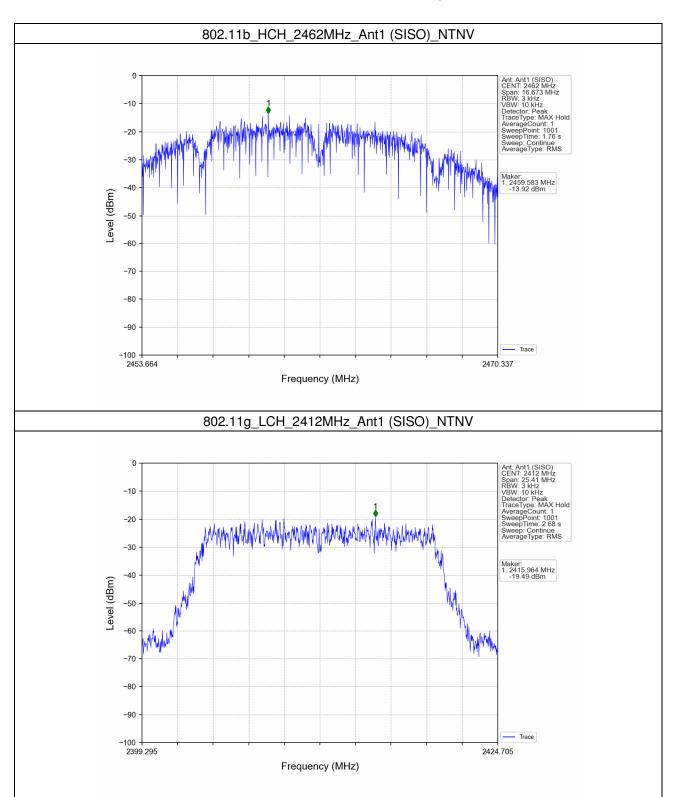
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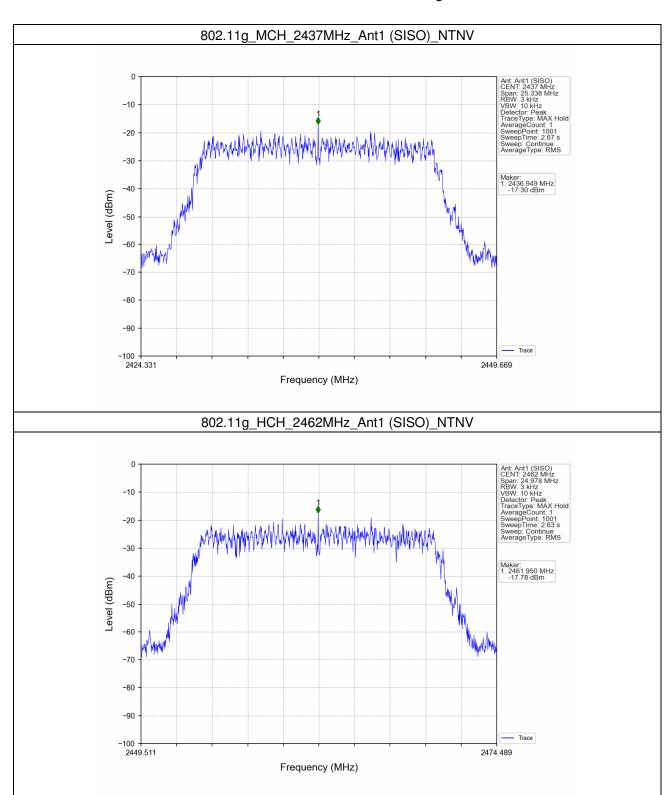
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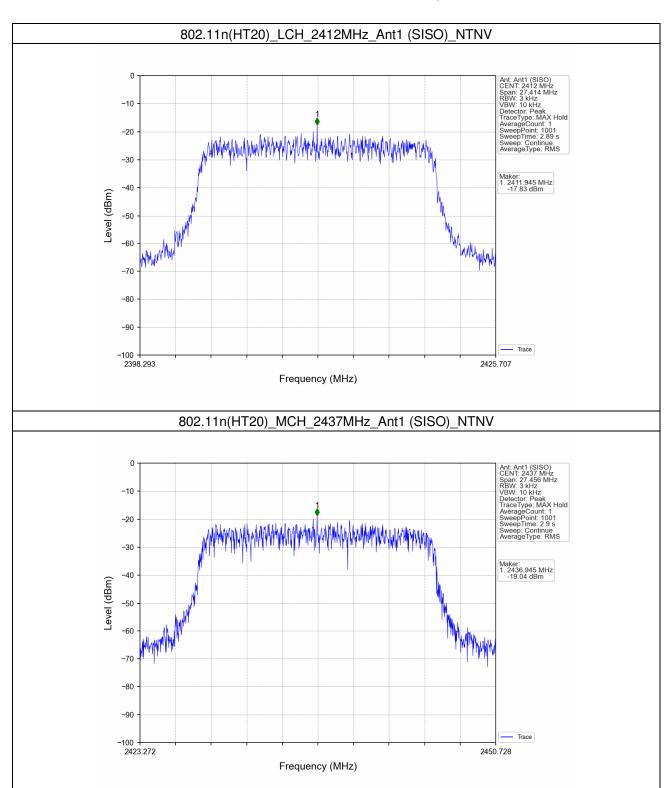
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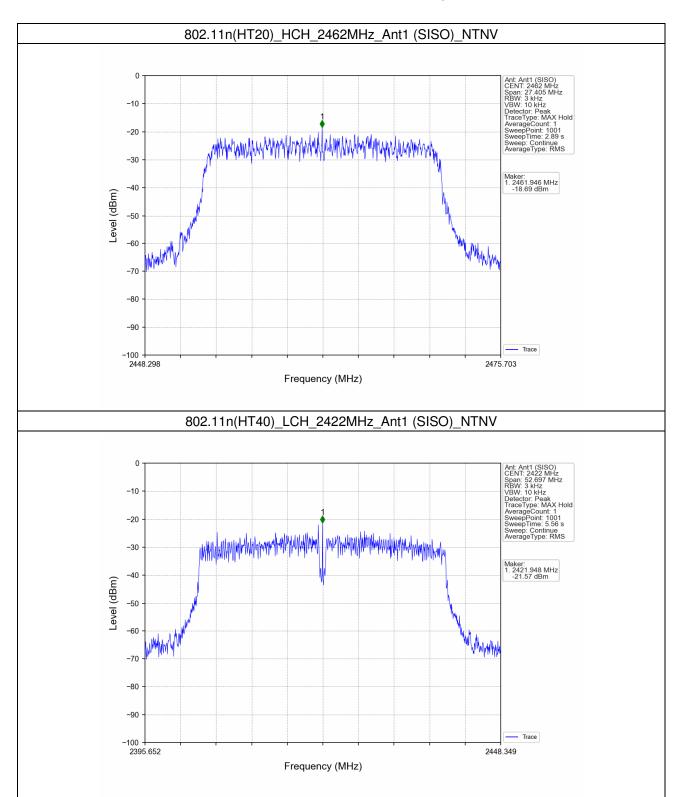
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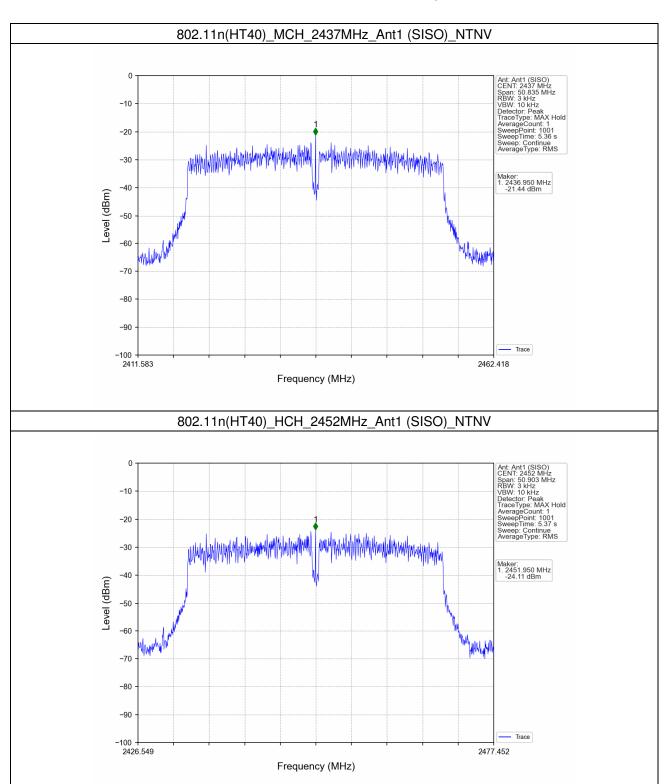
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5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
		2412	1	2.52
802.11b	SISO	2437	1	-0.56
		2462	1	-0.77
	SISO	2412	1	-4.83
802.11g		2437	1	-5.12
		2462	1	-5.09
222.44	SISO	2412	1	-4.67
802.11n (HT20)		2437	1	-4.64
(11120)		2462	1	-5.17
222.44	SISO	2422	1	-8.09
802.11n (HT40)		2437	1	-8.69
(11140)		2452	1	-9.17

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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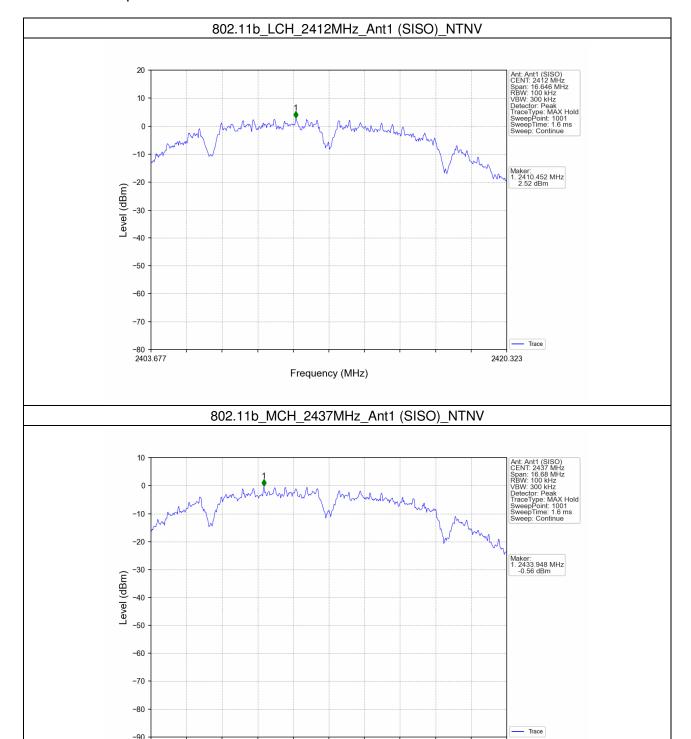


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5.1.2 Test Graph





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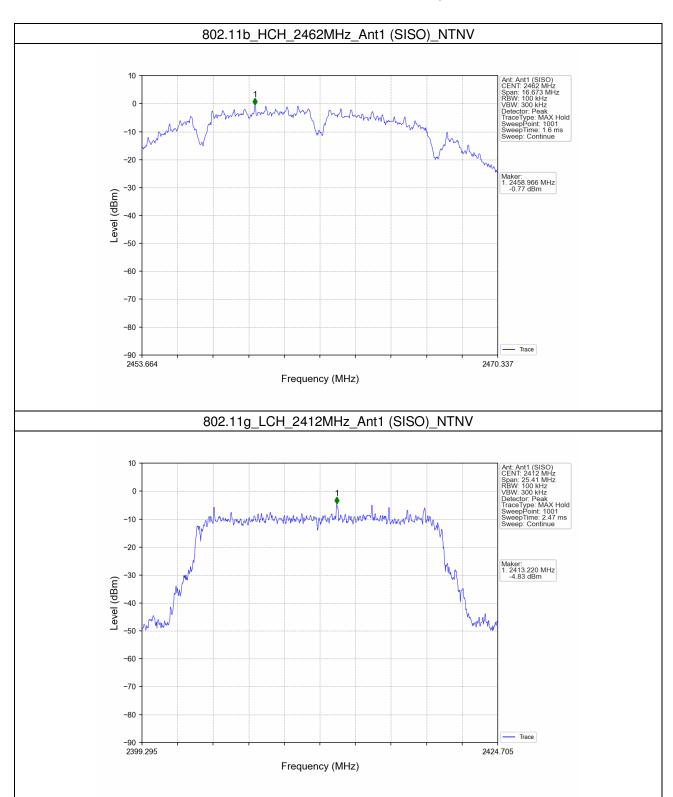
Frequency (MHz)



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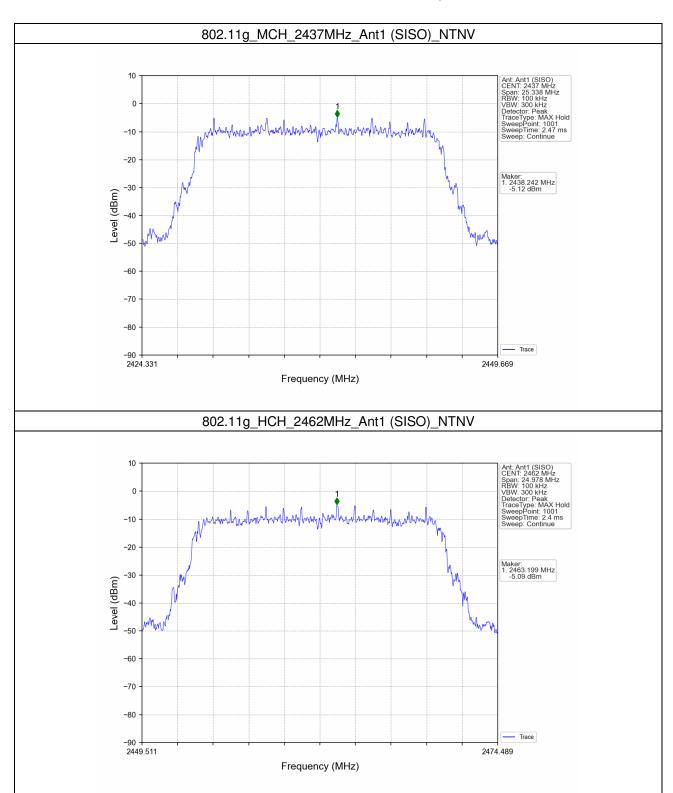
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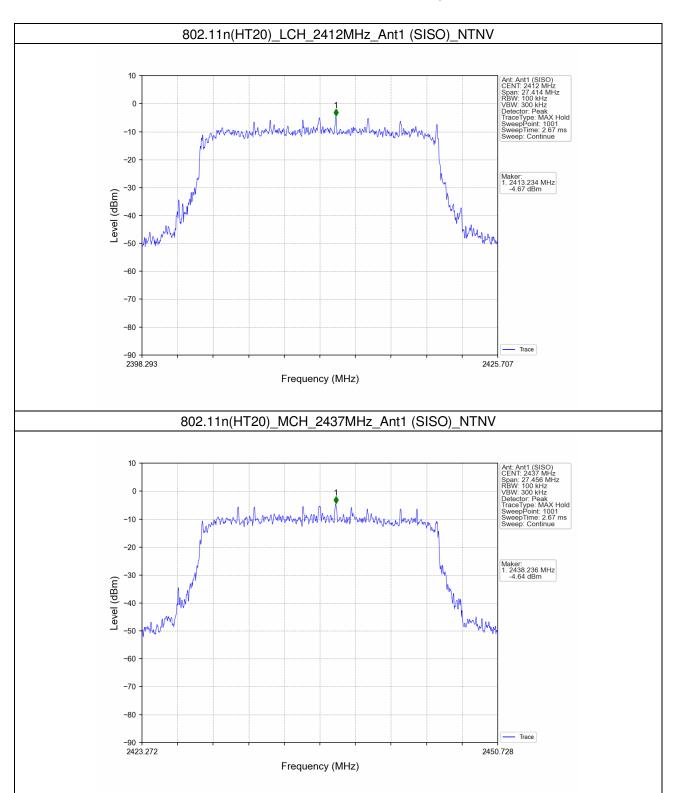
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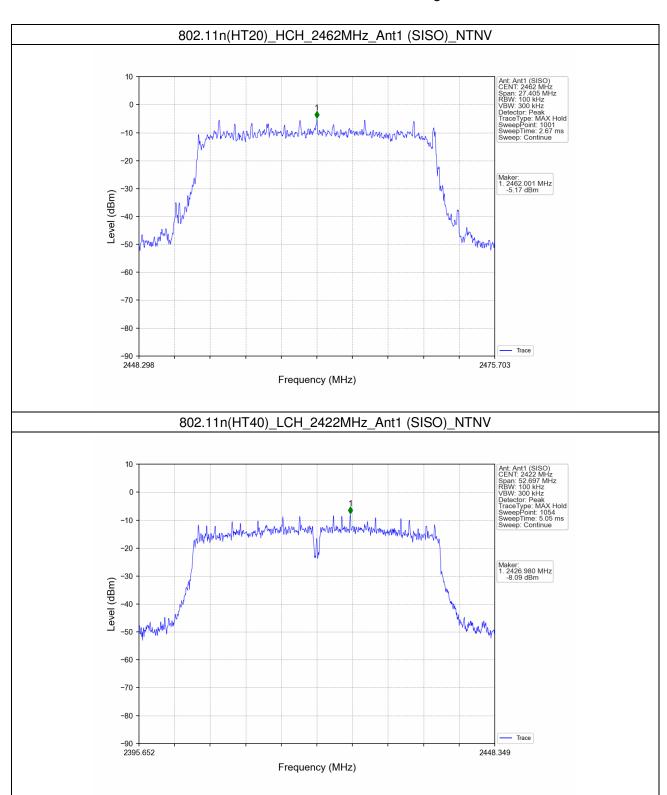
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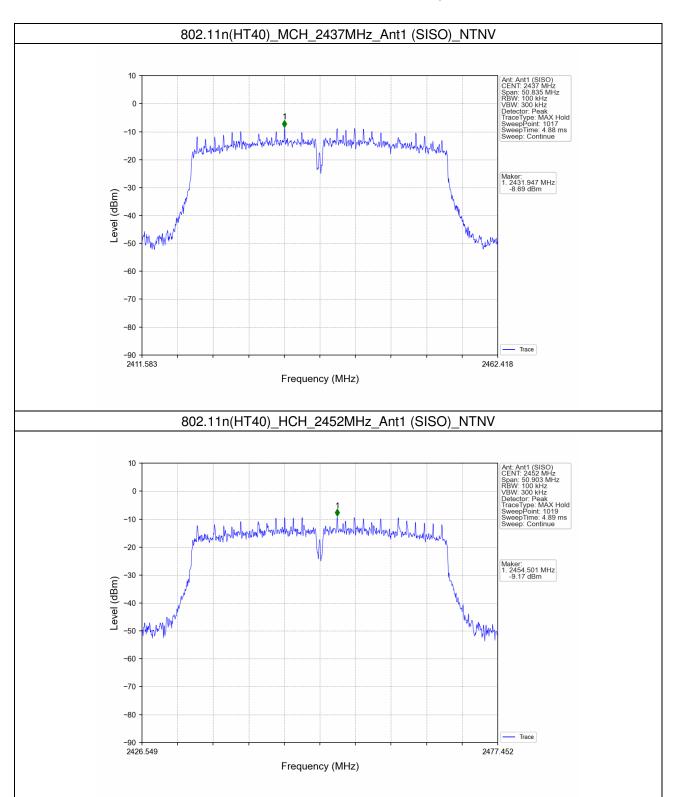
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5.2 CSE and Band Edges

5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
	SISO	2412	1	2.52	-17.48	Pass
802.11b		2437	1	2.52	-17.48	Pass
		2462	1	2.52	-17.48	Pass
	SISO	2412	1	-4.83	-24.83	Pass
802.11g		2437	1	-4.83	-24.83	Pass
		2462	1	-4.83	-24.83	Pass
802.11n (HT20)	SISO	2412	1	-4.64	-24.64	Pass
		2437	1	-4.64	-24.64	Pass
		2462	1	-4.64	-24.64	Pass
802.11n (HT40)		2422	1	-8.09	-28.09	Pass
	SISO	2437	1	-8.09	-28.09	Pass
		2452	1	-8.09	-28.09	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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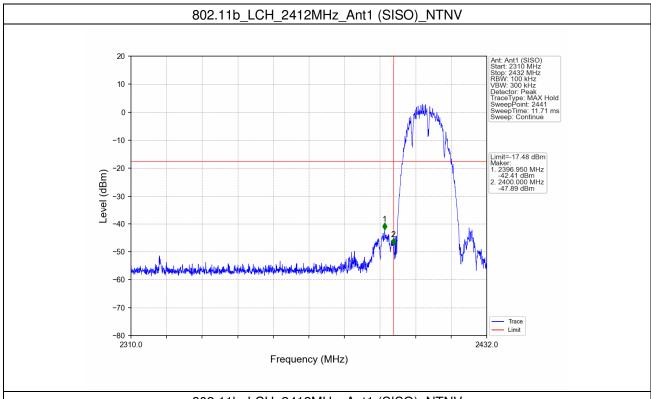


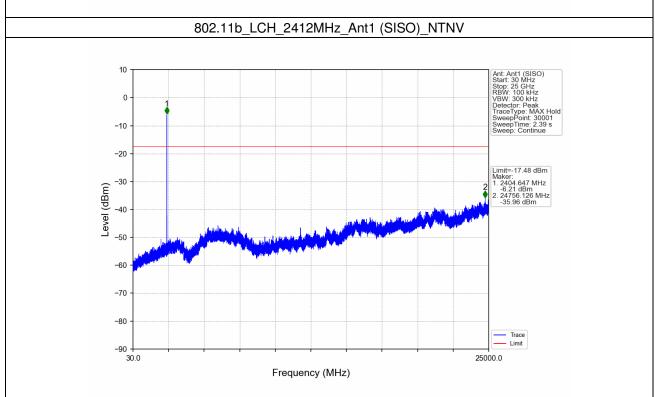
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5.2.2 Test Graph







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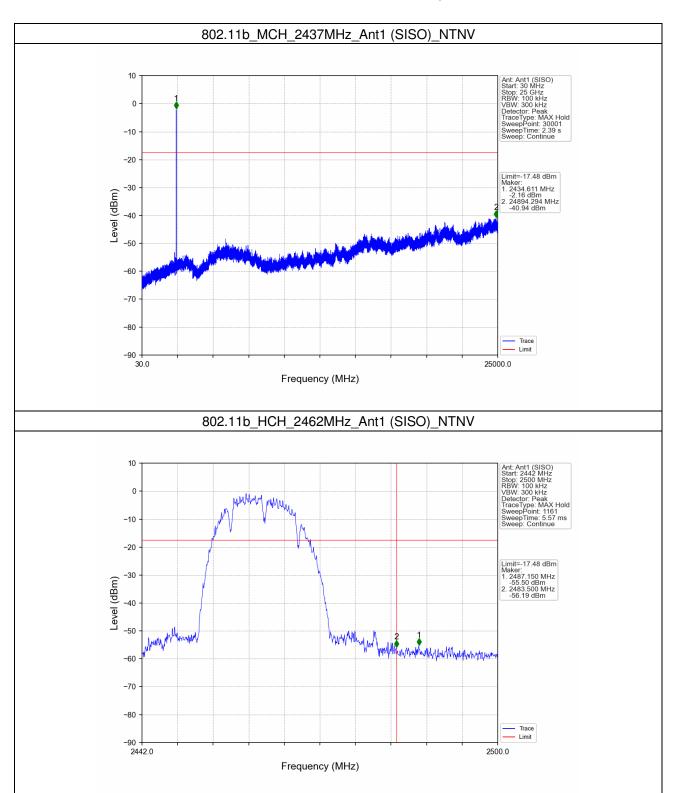
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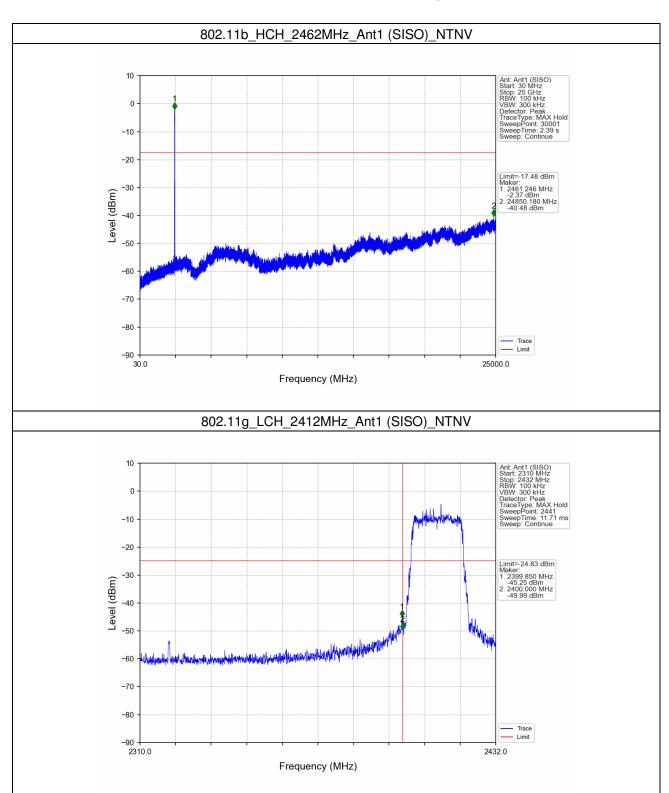
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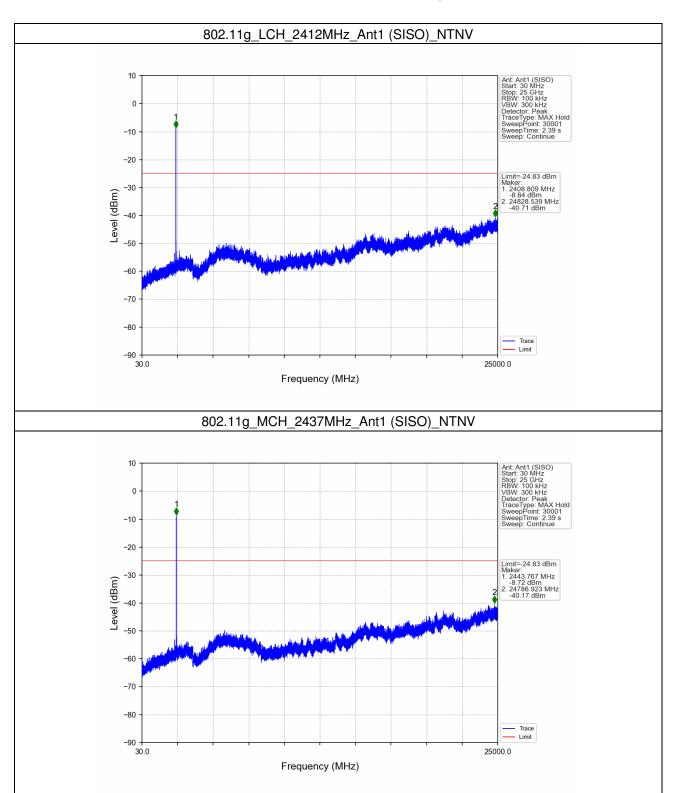
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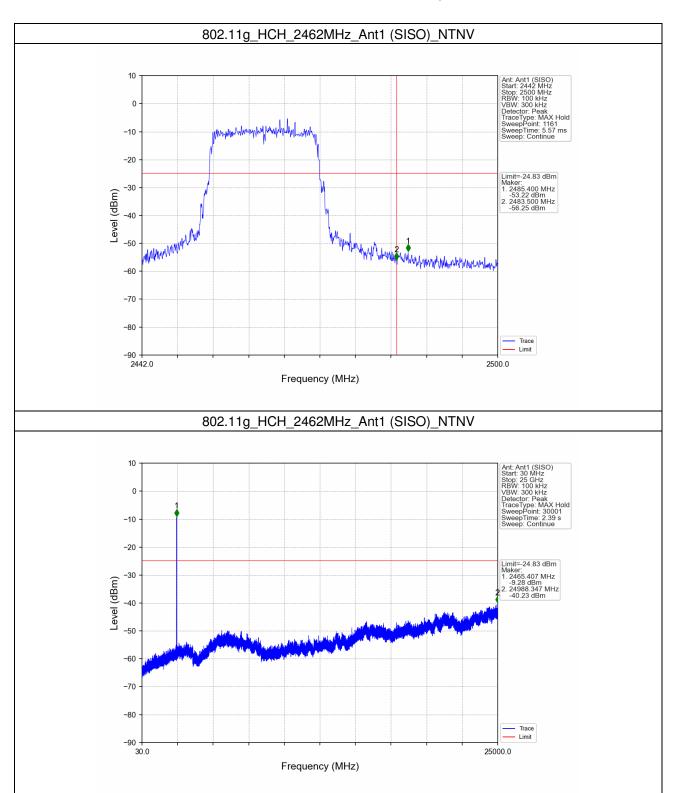
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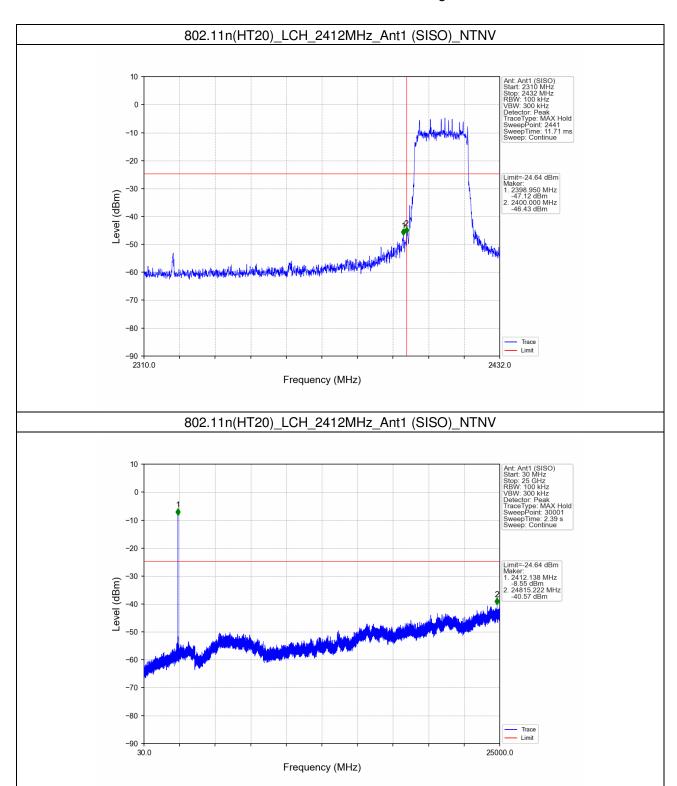
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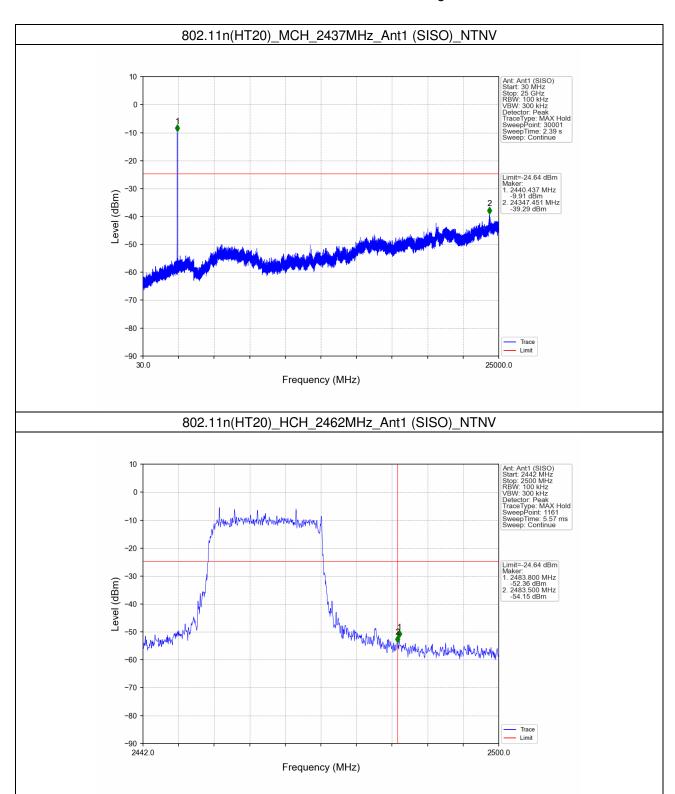
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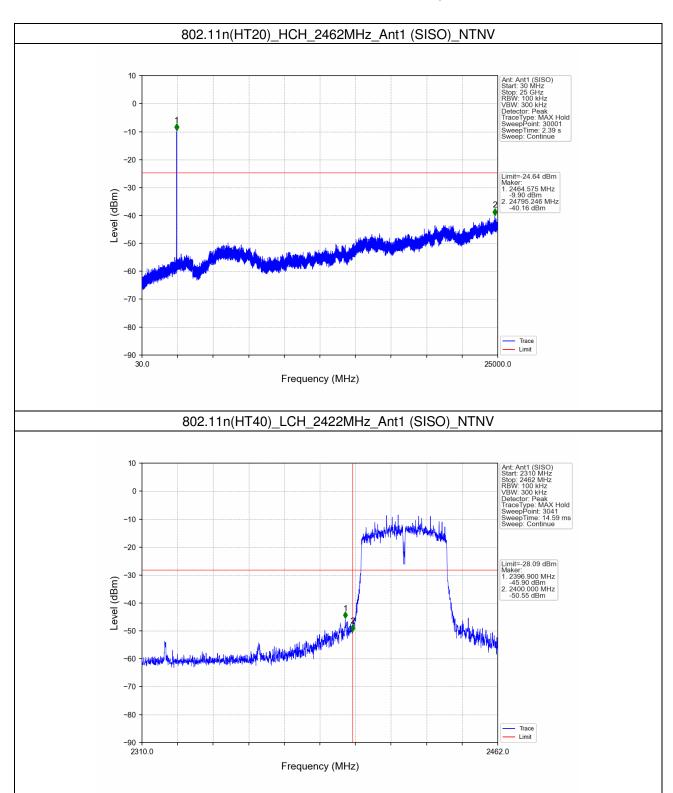
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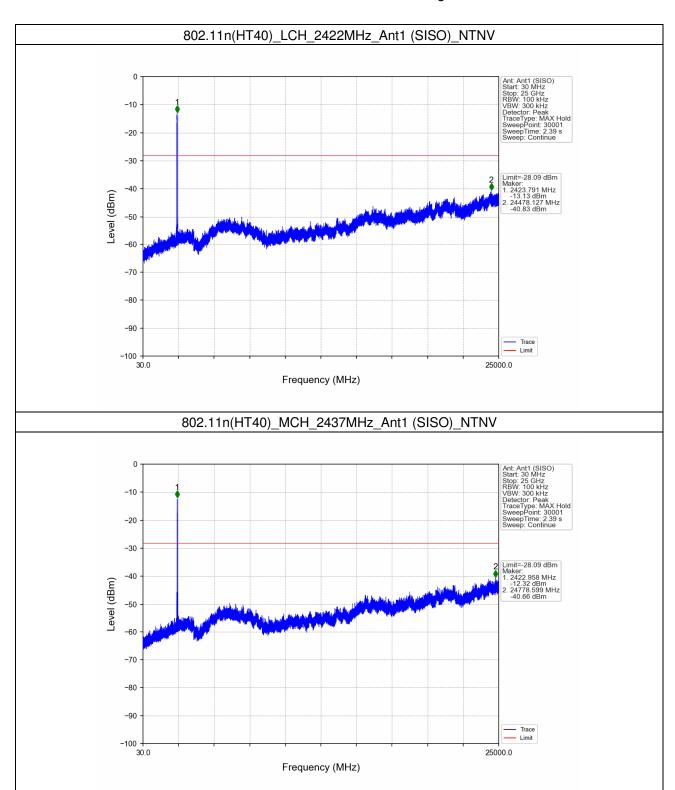
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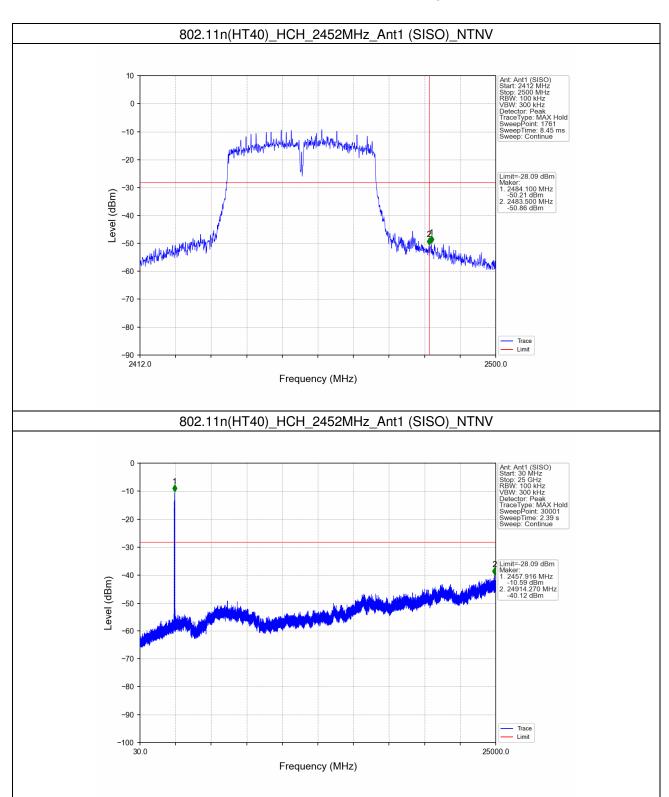
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