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#### 10 Appendix

1. Duty Cycle

1.1 Ant1

#### 1.1.1 Test Result

Ant1								
Mode	TX Type	' '		Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)	
	SISO	2412	4.192	4.712	88.96	0.51	0.00	
802.11b		2437	4.192	4.712	88.96	0.51	0.04	
		2462	4.192	4.712	88.96	0.51	0.00	
	SISO	2412	0.356	0.876	40.64	3.91	0.03	
802.11g		2437	0.357	0.875	40.80	3.89	0.02	
		2462	0.356	0.876	40.64	3.91	0.01	
802.11n (HT20)		2412	0.245	0.764	32.07	4.94	0.00	
	SISO	2437	0.245	0.764	32.07	4.94	0.01	
		2462	0.244	0.763	31.98	4.95	0.01	



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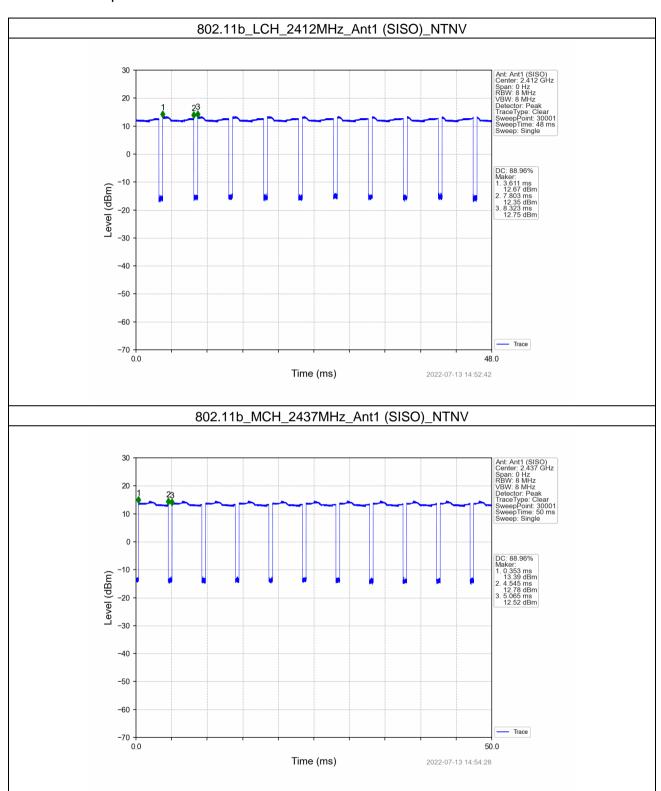
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#### 1.1.2 Test Graph





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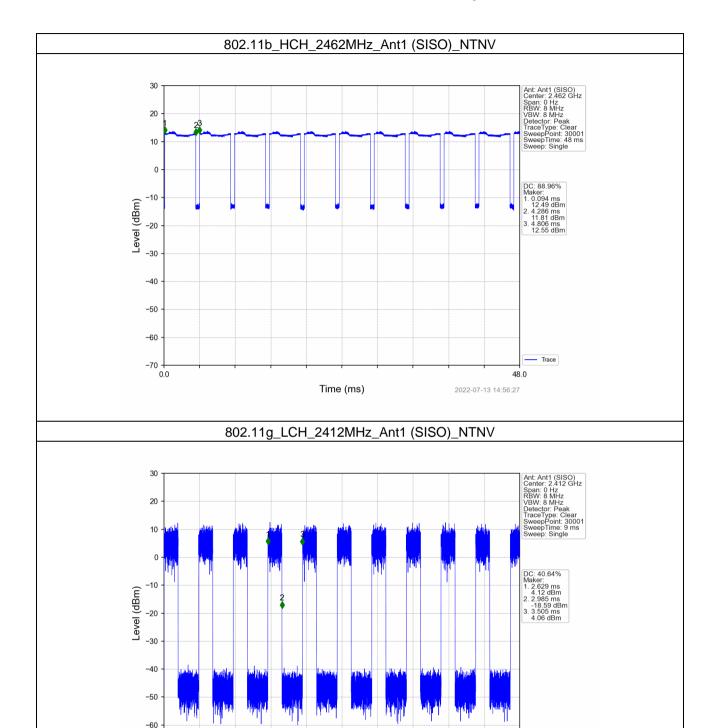
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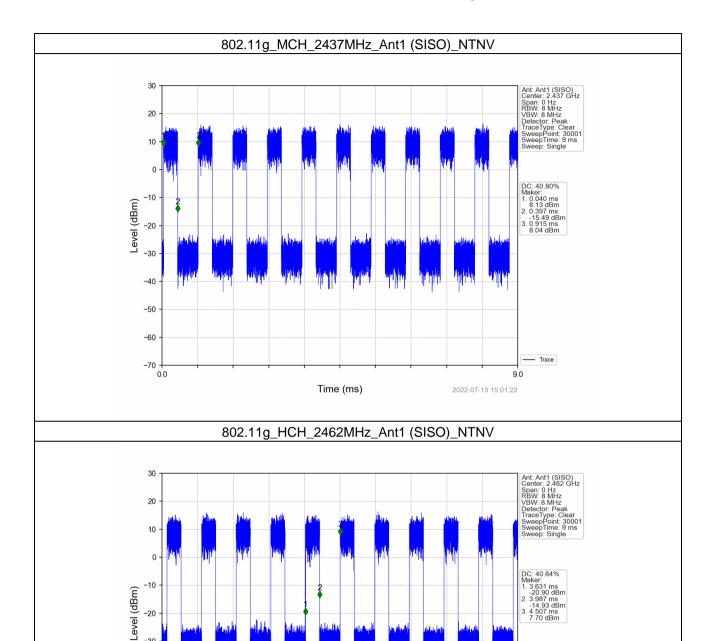
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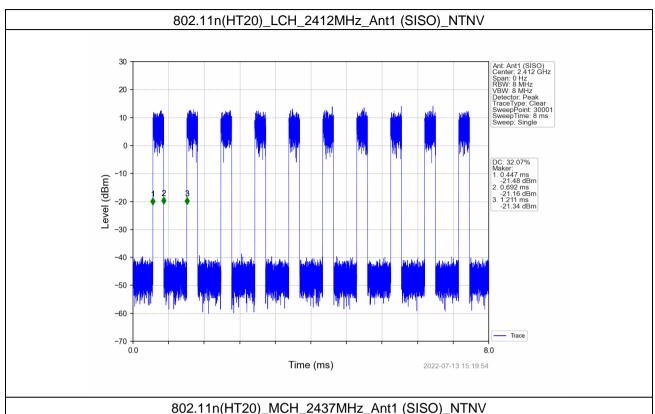
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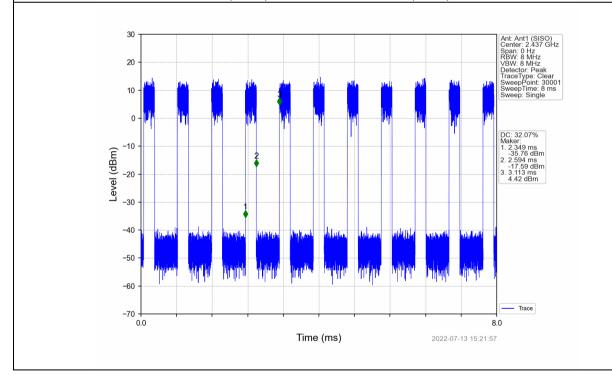
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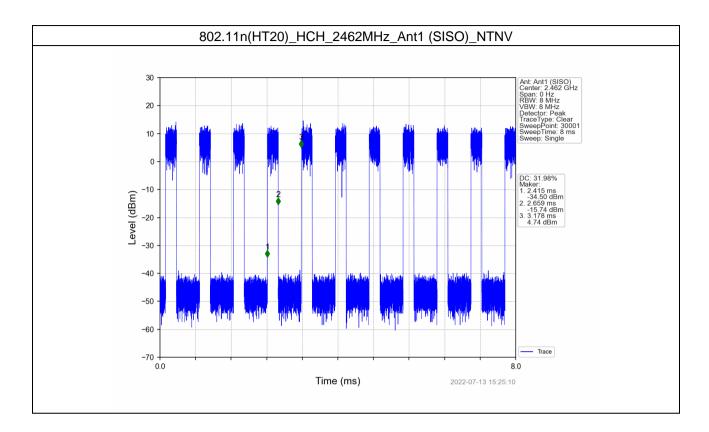
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#### 2. Bandwidth

#### 2.1 6dB BW

#### 2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandv	Mandiat	
				Result	Limit	Verdict
		2412	1	8.135	>=0.5	Pass
802.11b	SISO	2437	1	8.127	>=0.5	Pass
		2462	1	8.143	>=0.5	Pass
802.11g		2412	1	16.474	>=0.5	Pass
	SISO	2437	1	16.467	>=0.5	Pass
		2462	1	16.463	>=0.5	Pass
802.11n (HT20)		2412	1	17.690	>=0.5	Pass
	SISO	2437	1	17.663	>=0.5	Pass Pass Pass Pass
		2462	1	17.677	>=0.5	Pass



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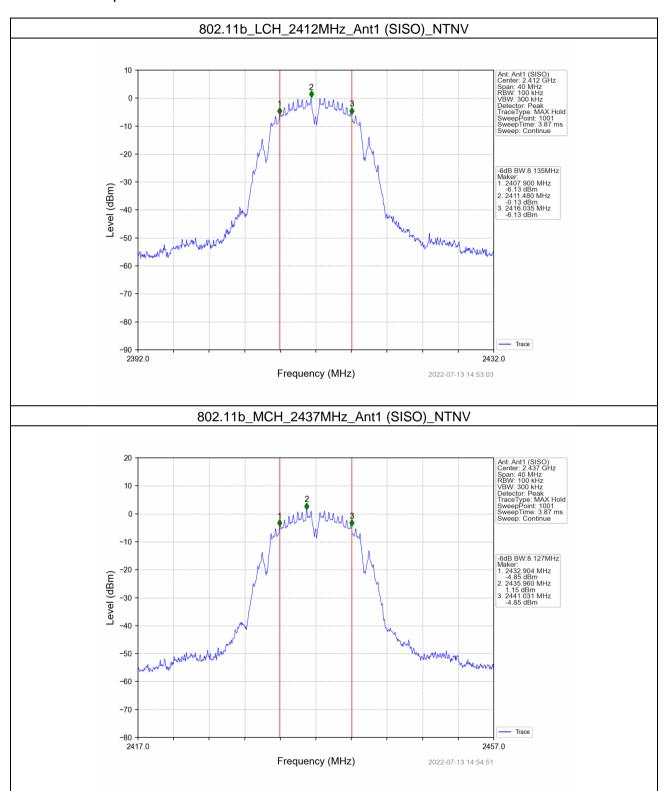
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#### 2.1.2 Test Graph

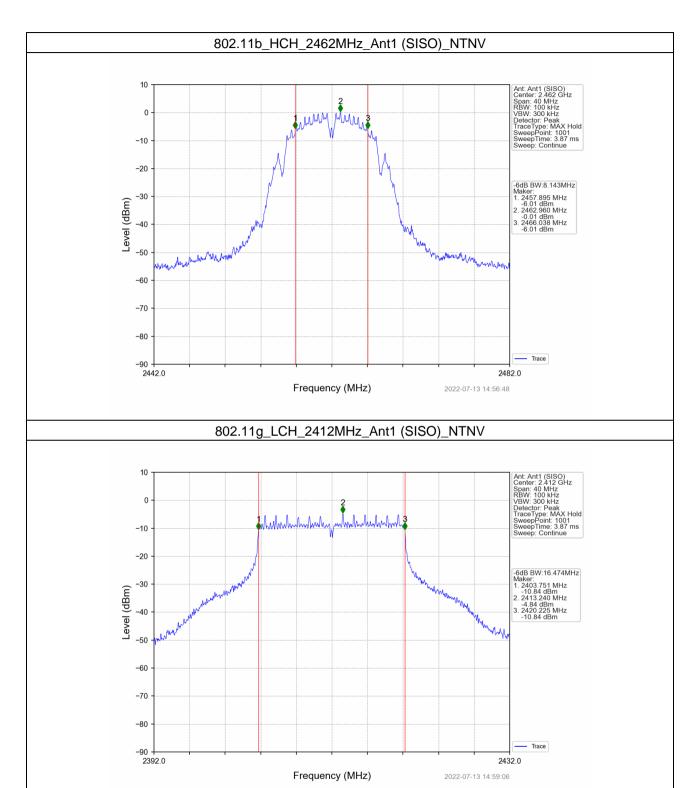






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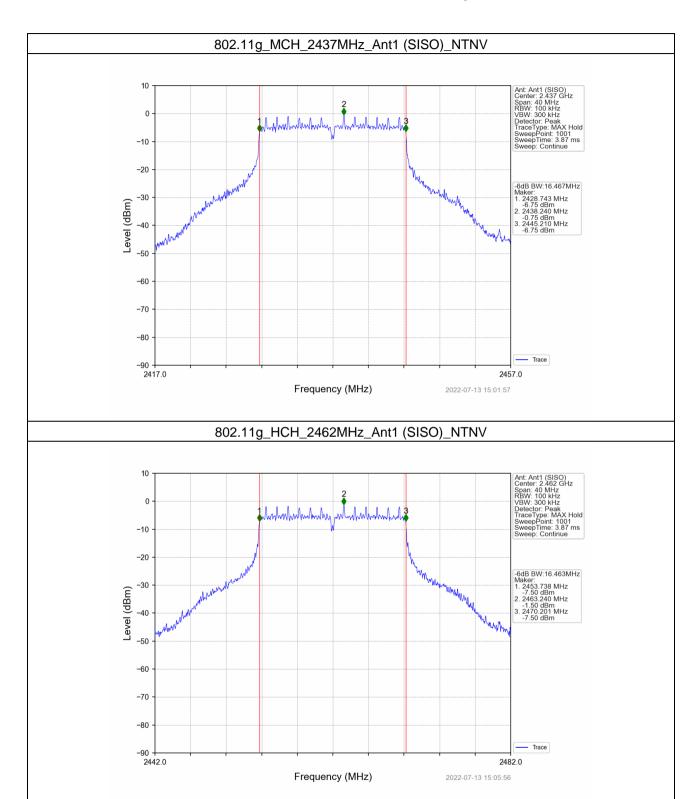






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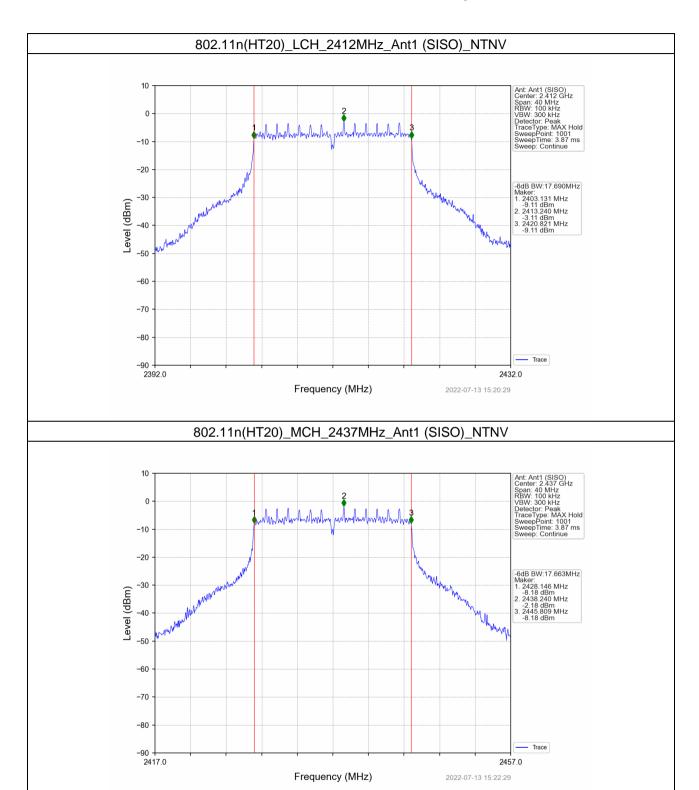






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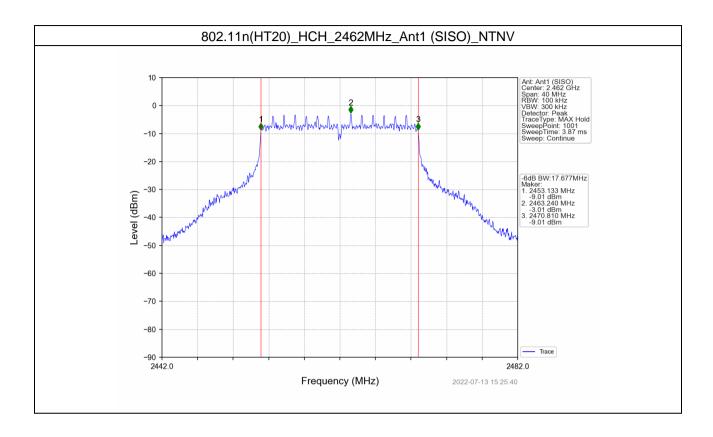






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#### 3. Maximum Conducted Output Power

#### 3.1 Power

#### 3.1.1 Test Result

Mode	TX	Frequency	Maximum Peak Conduc	\	
	Туре	(MHz)	ANT1	Limit	Verdict
802.11b	SISO	2412	10.97	<=30	Pass
		2437	12.00	<=30	Pass
		2462	11.17	<=30	Pass
802.11g	SISO	2412	13.43	<=30	Pass
		2437	17.39	<=30	Pass
		2462	16.81	<=30	Pass
802.11n (HT20)		2412	15.08	<=30	Pass
	SISO	2437	16.10	<=30	Pass
		2462	15.33	<=30	Pass

Maximum Average TX Frequency **Duty Cycle Duty Cycle** Mode **Conducted Output Power** (MHz) Factor (dB) Type (%) (dBm) 2412 88.96 -1.016 9.954 -1.016 2437 88.96 802.11b SISO 10.984 2462 88.96 -1.016 10.154 2412 40.64 -7.829 5.601 802.11g SISO 2437 40.80 -7.787 9.603 2462 40.64 -7.829 8.981 2412 32.07 -9.709 5.371 802.11n SISO 2437 32.07 -9.709 6.391 (HT20) -9.902 2462 31.98 5.428



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#### 4. Maximum Power Spectral Density

#### 4.1 PSD

#### 4.1.1 Test Result

Mode	TX	Frequency (MHz)	Maximum PS	\/andiat			
	Type		ANT1	Limit	Verdict		
802.11b		2412	-15.03	<=8	Pass		
	SISO	2437	-13.14	<=8	Pass		
		2462	-11.17	<=8	Pass		
	SISO	2412	-15.99	<=8	Pass		
802.11g		2437	-14.45	<=8	Pass		
		2462	-15.76	<=8	Pass		
802.11n (HT20)		2412	-17.70	<=8	Pass		
	SISO	2437	-17.20	<=8	Pass		
		2462	-16.94	<=8	Pass		
Note1: Antenna Gain: Ant1: 3.39dBi;							

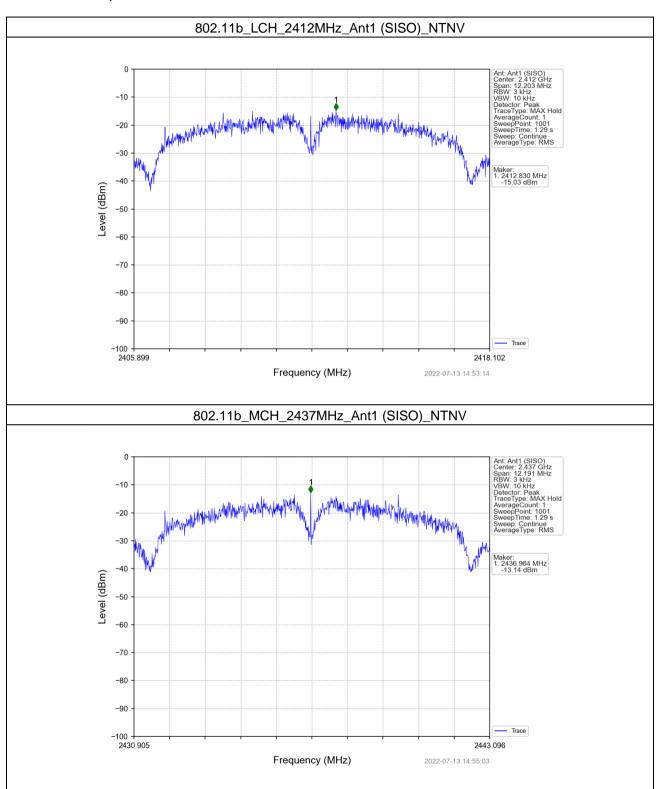




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#### 4.1.2 Test Graph

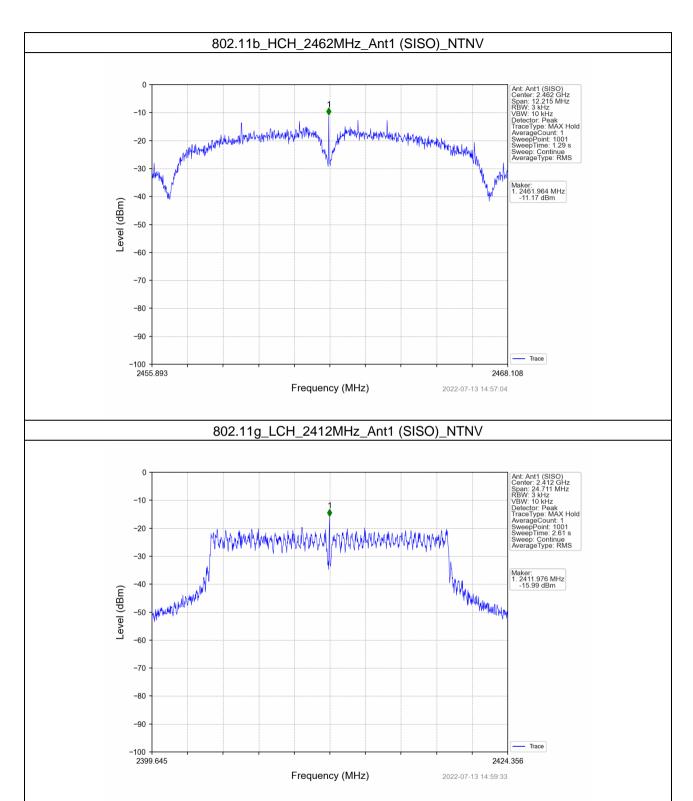






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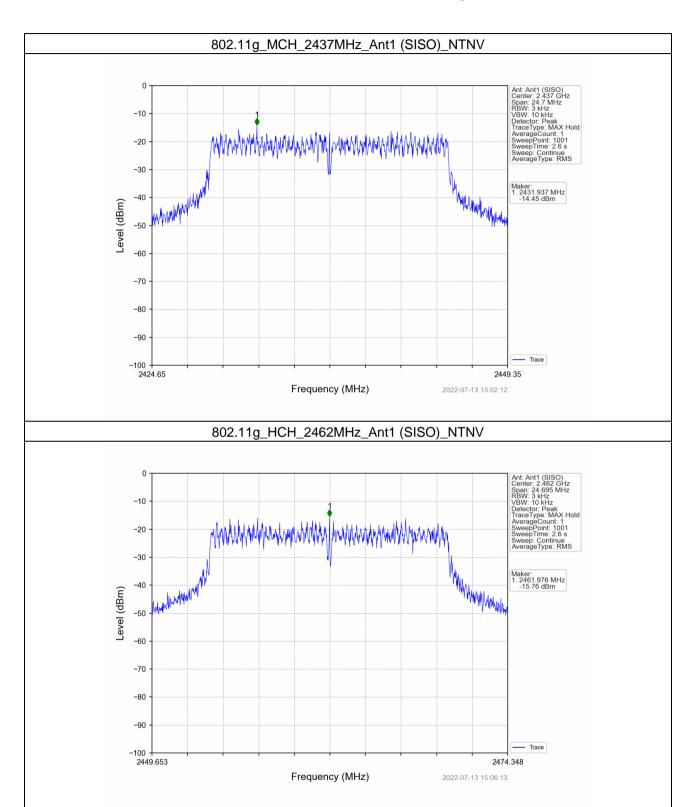
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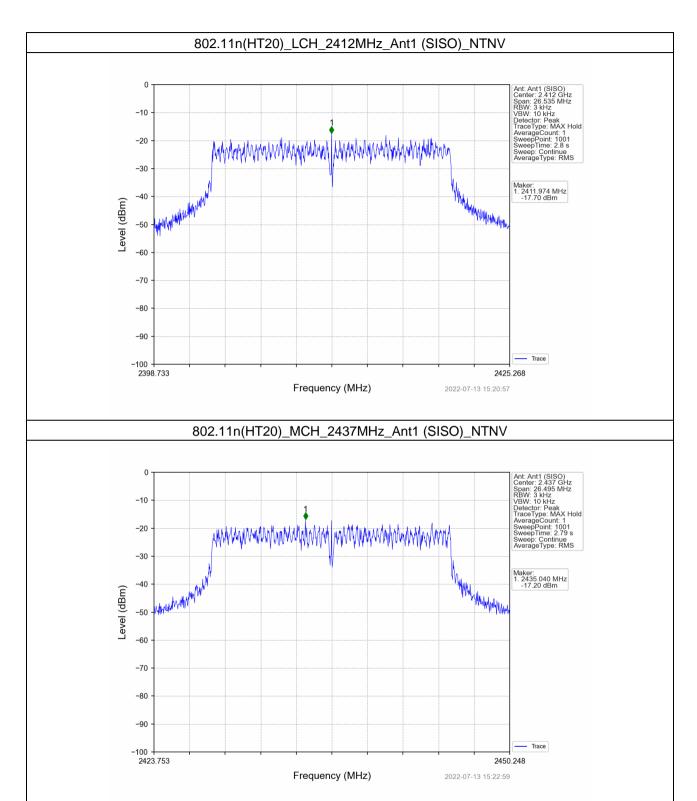
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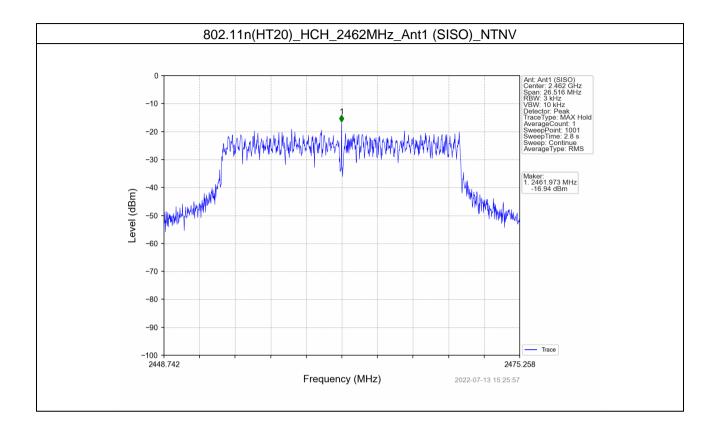
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#### 5. Unwanted Emissions In Non-restricted Frequency Bands

#### 5.1 Ref

#### 5.1.1 Test Result

Mode TX Type		Frequency (MHz)	ANT	Level of Reference (dBm)
		2412	1	-0.16
802.11b	SISO	2437	1	1.13
		2462	1	0.25
	SISO	2412	1	-4.86
802.11g		2437	1	-0.90
		2462	1	-1.63
222.44	SISO	2412	1	-3.32
802.11n (HT20)		2437	1	-2.29
(11120)		2462	1	-3.07

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.

Note2: RBW = 1MHz was used during the pre-test. The final test will be performed at RBW=100kHz while the margin is less than 3dB.

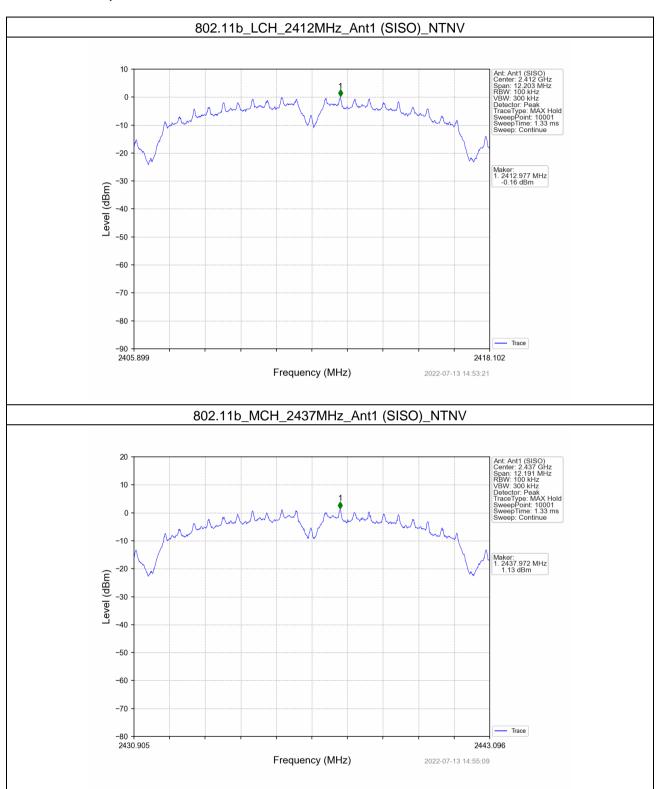




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#### 5.1.2 Test Graph





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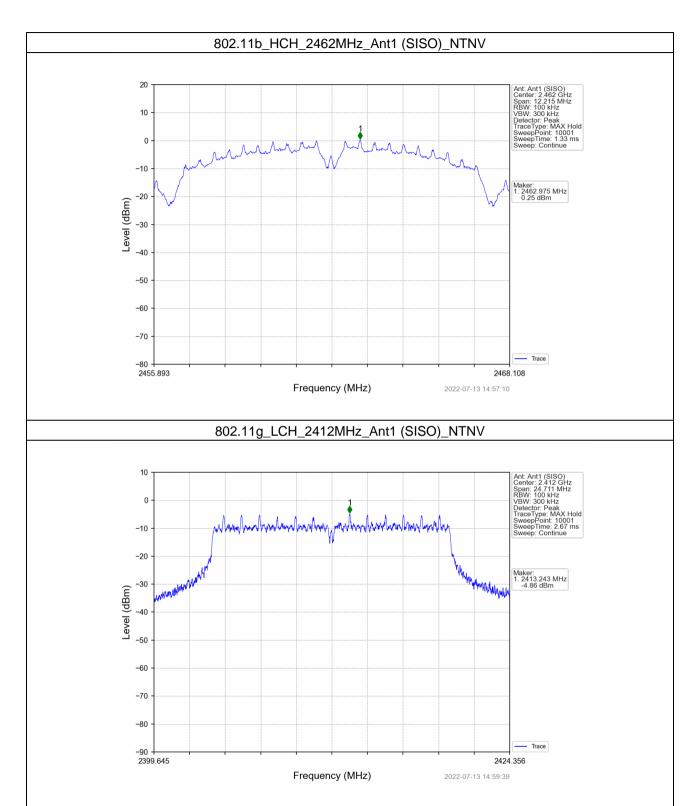
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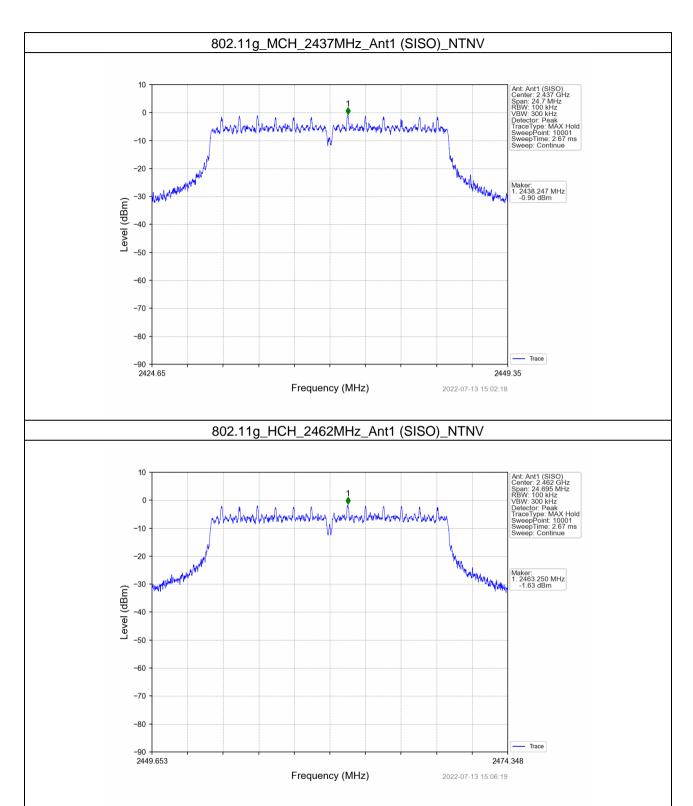
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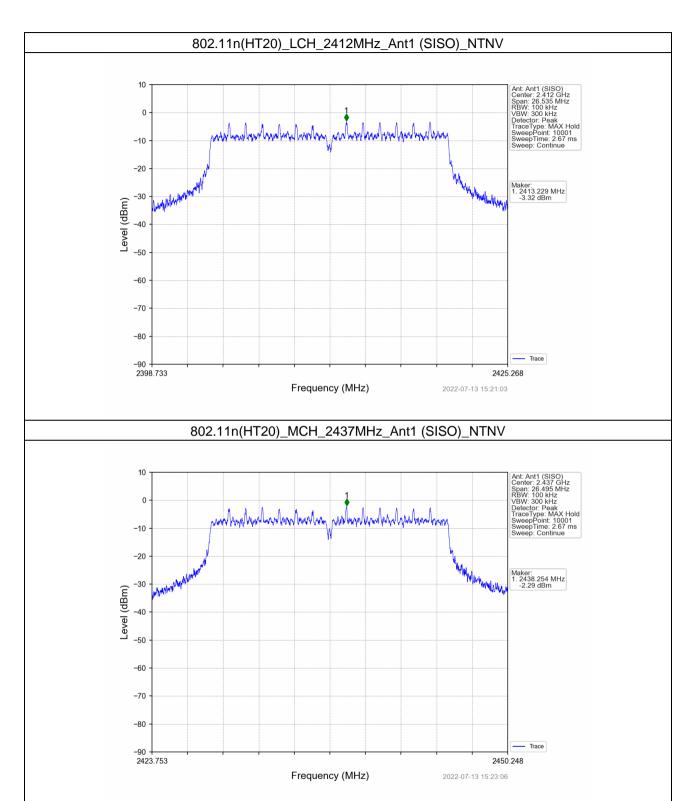






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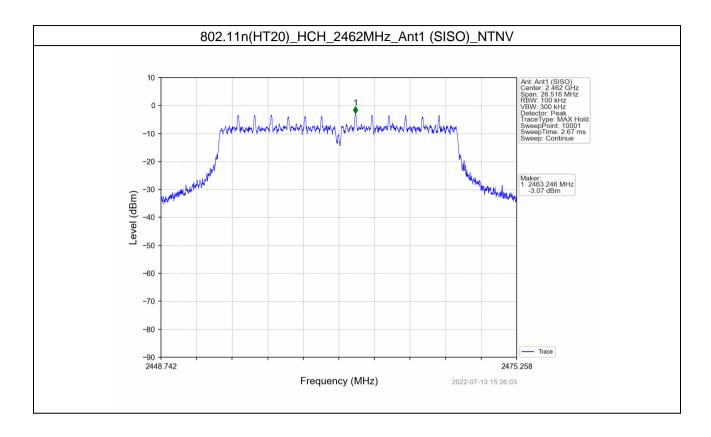
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#### 5.2 CSE

#### 5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
	SISO	2412	1	1.13	-18.87	Pass
802.11b		2437	1	1.13	-18.87	Pass
		2462	1	1.13	-18.87	Pass
	SISO	2412	1	-0.90	-20.90	Pass
802.11g		2437	1	-0.90	-20.90	Pass
		2462	1	-0.90	-20.90	Pass
802.11n (HT20)		2412	1	-2.29	-22.29	Pass
	SISO	2437	1	-2.29	-22.29	Pass
		2462	1	-2.29	-22.29	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.

Note2: RBW = 1MHz was used during the pre-test. The final test will be performed at RBW=100kHz while the margin is less than 3dB.



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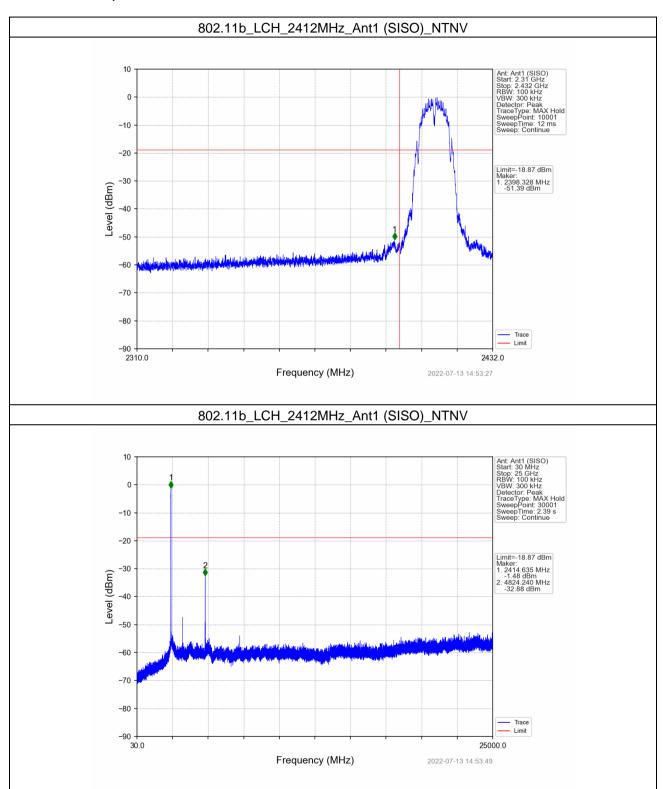
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#### 5.2.2 Test Graph





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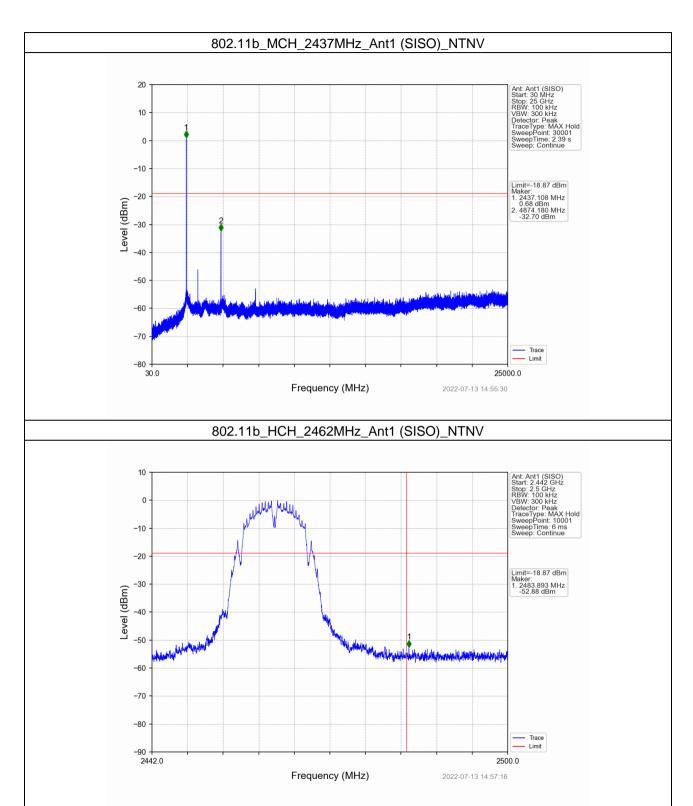
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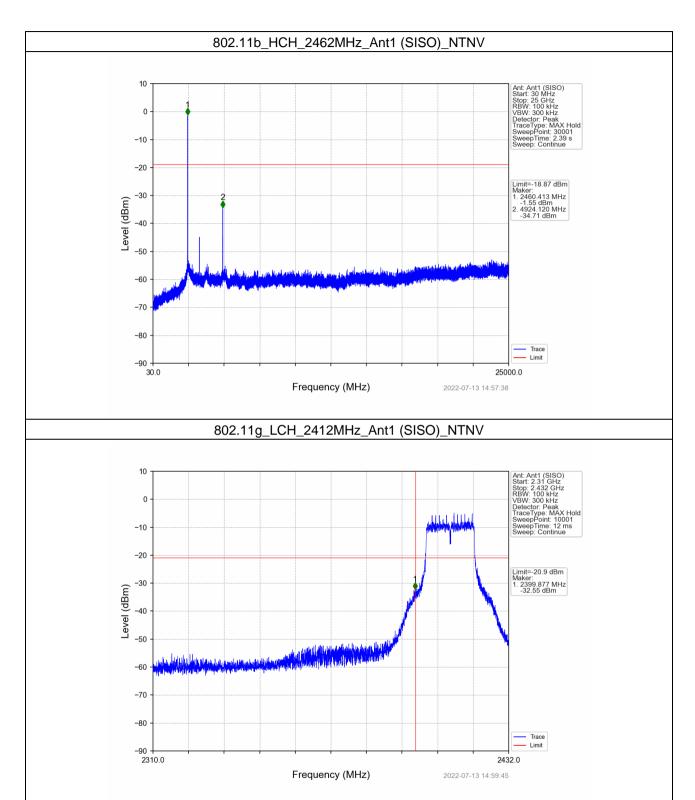
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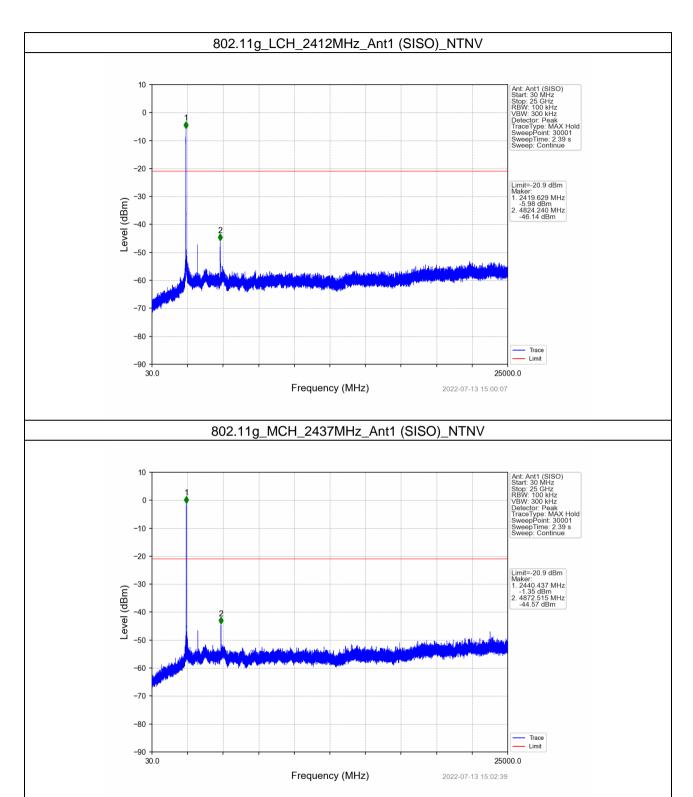


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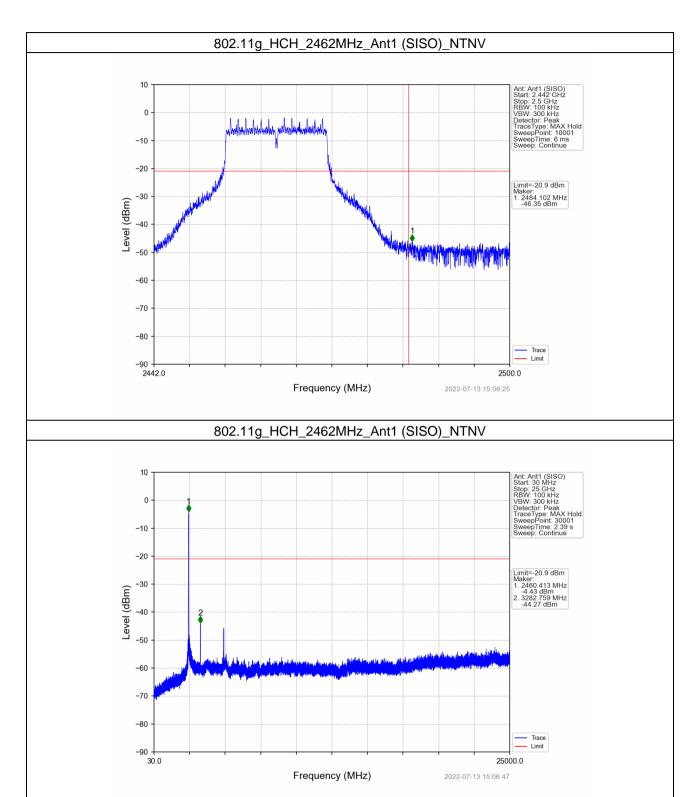
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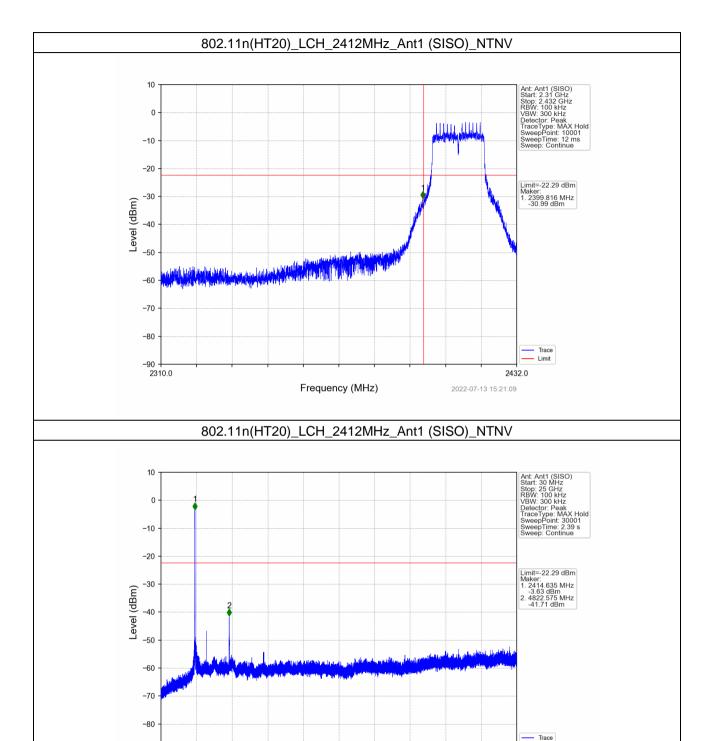
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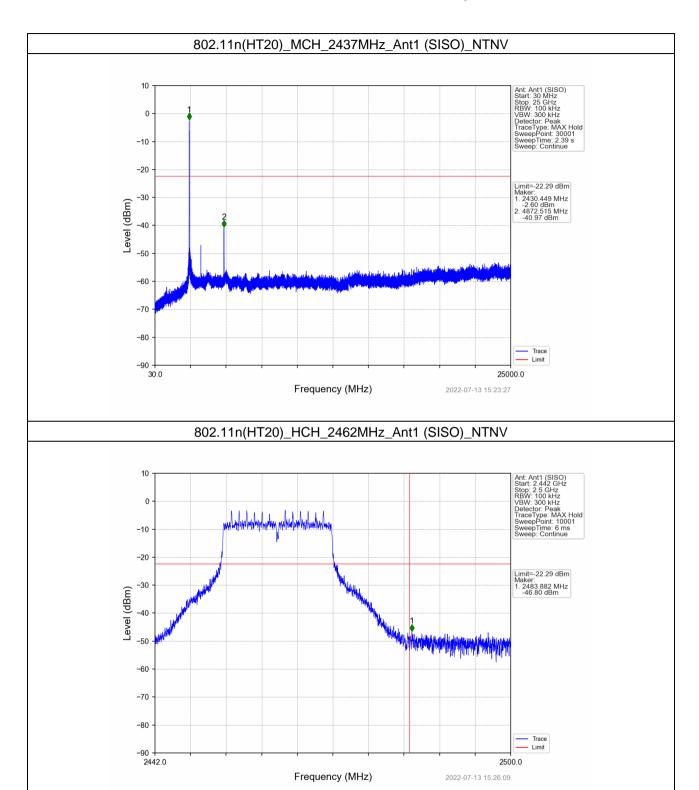
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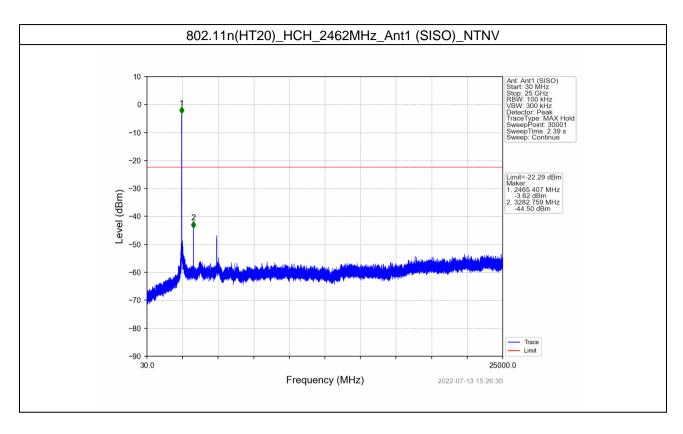
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