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Appendix A for SHCR210900026301

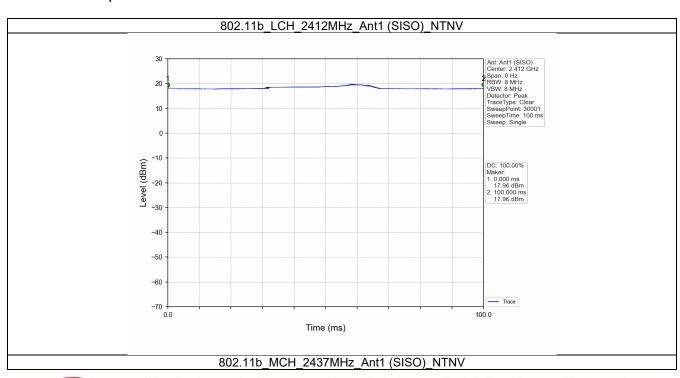
1. Duty Cycle

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	100.000	100.000	100.00	0.00	0.00		
802.11b	SISO	2437	100.000	100.000	100.00	0.00	0.00		
		2462	100.000	100.000	100.00	0.00	0.00		
		2412	100.000	100.000	100.00	0.00	0.00		
802.11g	SISO	2437	100.000	100.000	100.00	0.00	0.00		
		2462	100.000	100.000	100.00	0.00	0.00		
802.11n		2412	100.000	100.000	100.00	0.00	0.00		
	SISO	2437	100.000	100.000	100.00	0.00	0.00		
(HT20)		2462	100.000	100.000	100.00	0.00	0.00		
802.11n	SISO	2422	100.000	100.000	100.00	0.00	0.00		
		2437	100.000	100.000	100.00	0.00	0.00		
(HT40)		2452	100.000	100.000	100.00	0.00	0.00		

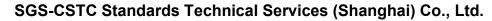
1.1.2 Test Graph



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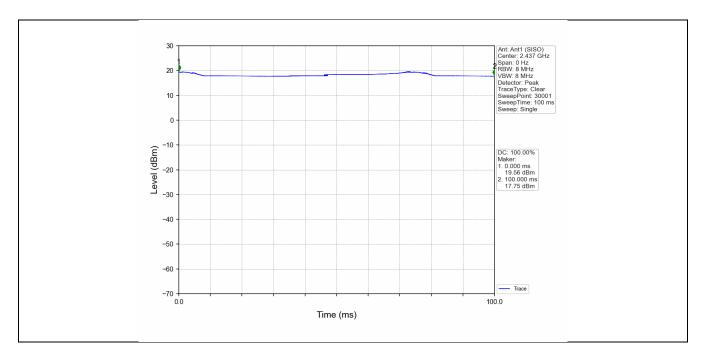
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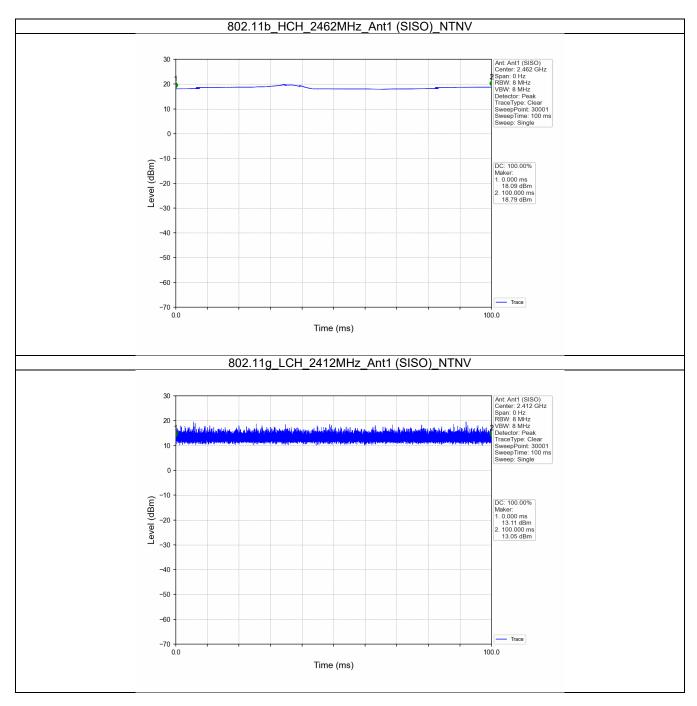
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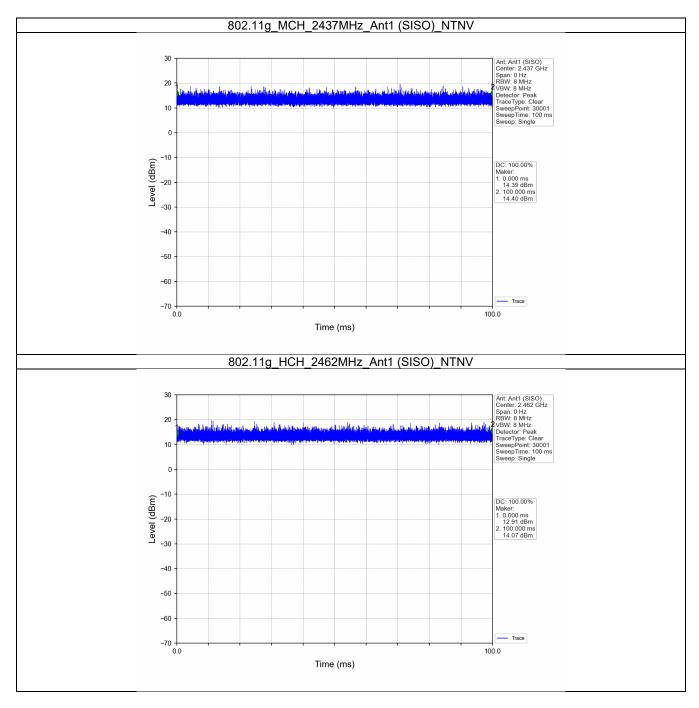
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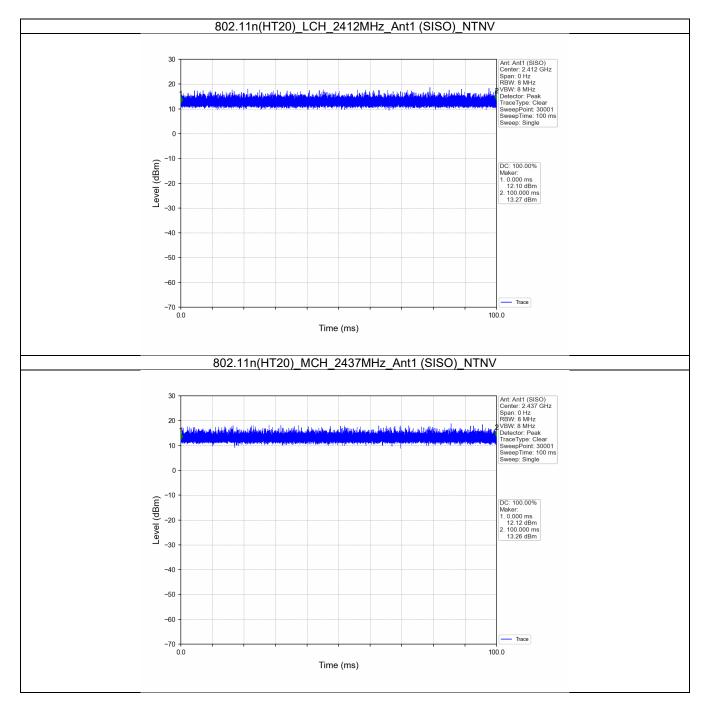
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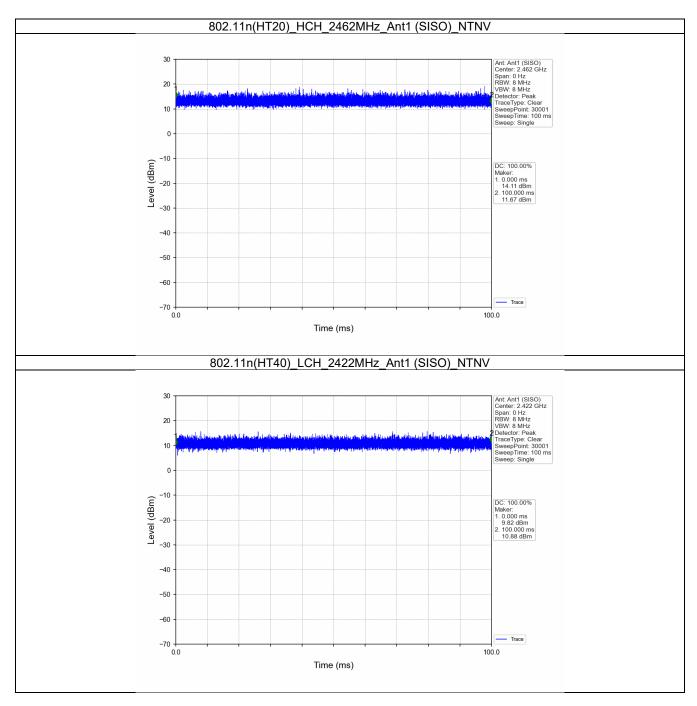
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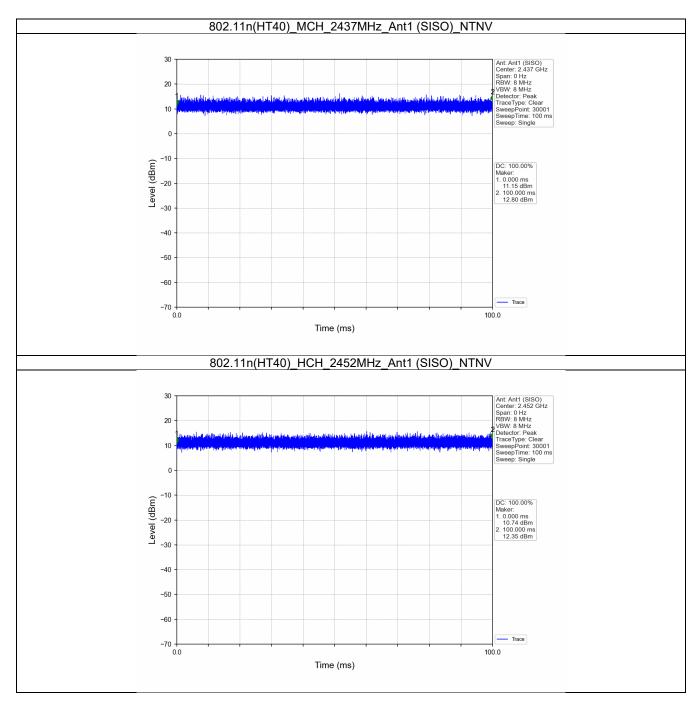
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2. Bandwidth

2.1 OBW

2.1.1 Test Result

Mode	TX	Frequency	A 4	99% Occupied Bandwidth (MHz)	Verdict
wode	Type	(MHz) Ant		Result	verdict
		2412	1	14.305	Pass
802.11b	SISO	2437	1	14.291	Pass
		2462	1	14.292	Pass
		2412	1	17.308	Pass
802.11g	SISO	2437	1	17.275	Pass
		2462	1	17.346	Pass
000 44=		2412	1	18.072	Pass
802.11n	SISO	2437	1	18.083	Pass
(HT20)		2462	1	18.085	Pass
000 44=		2422	1	36.494	Pass
802.11n (HT40)	SISO	2437	1	36.560	Pass
		2452	1	36.531	Pass



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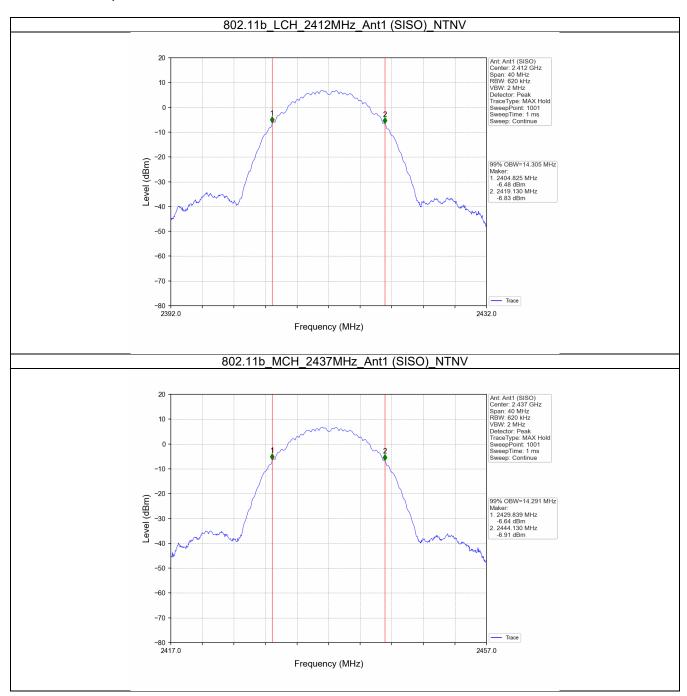
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2.1.2 Test Graph





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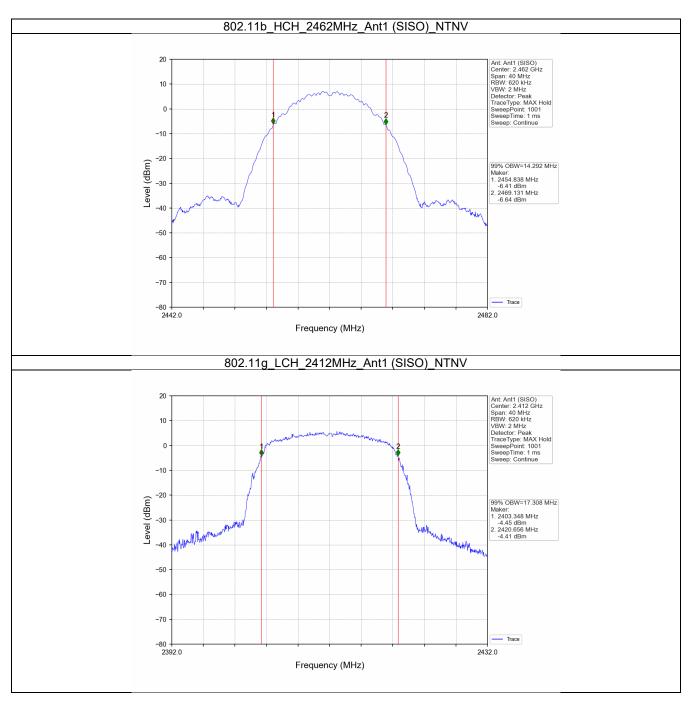
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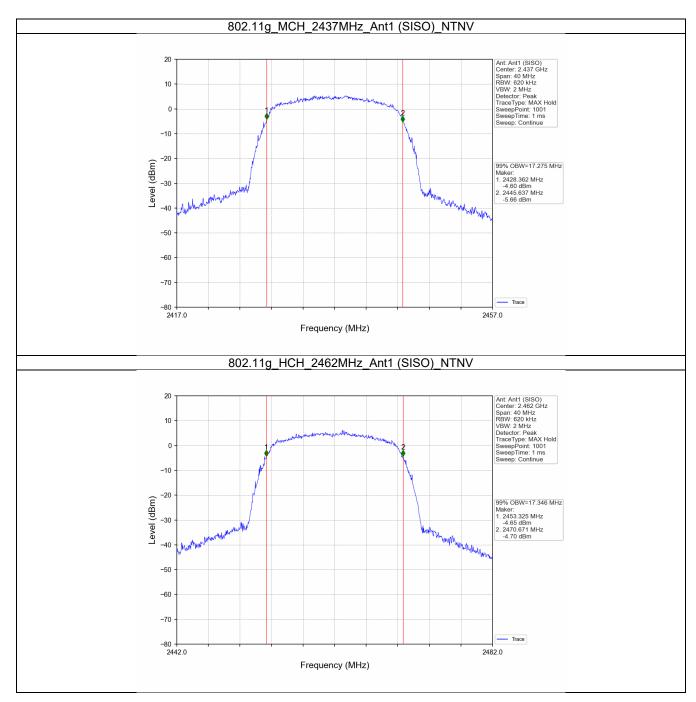
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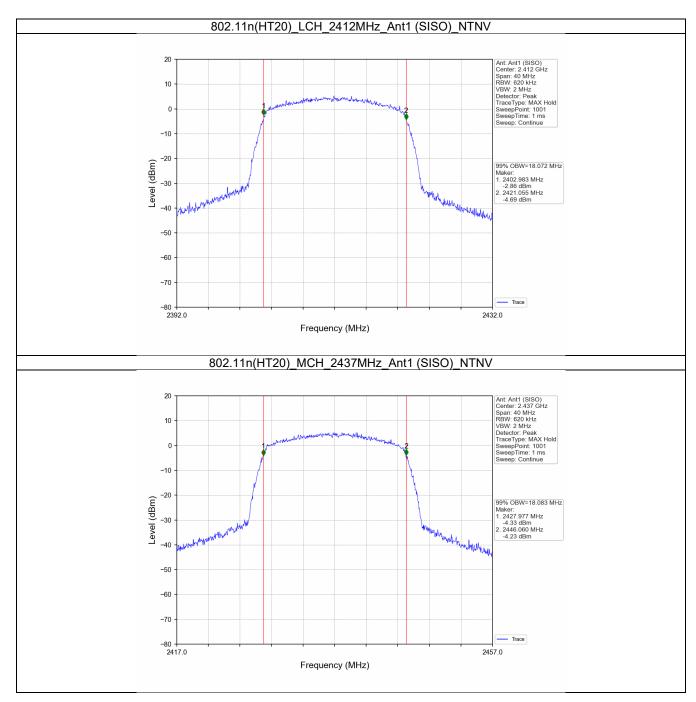
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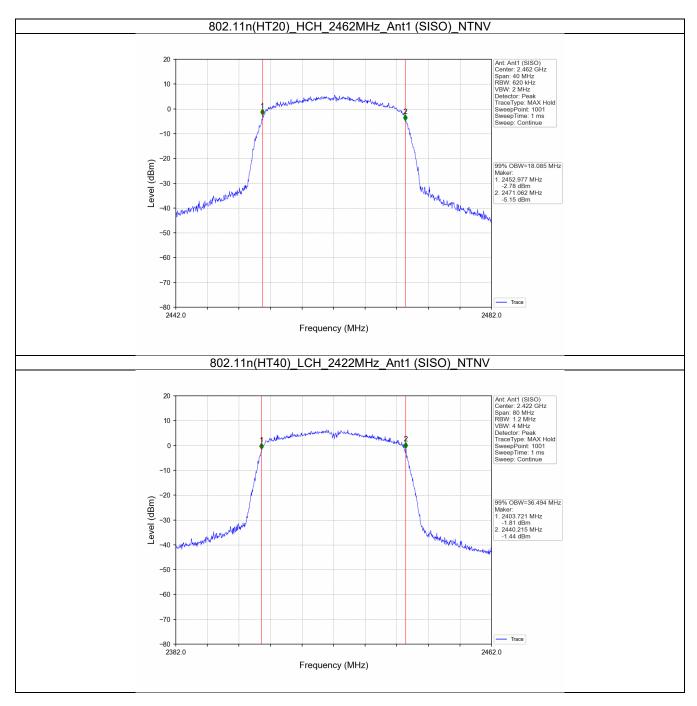
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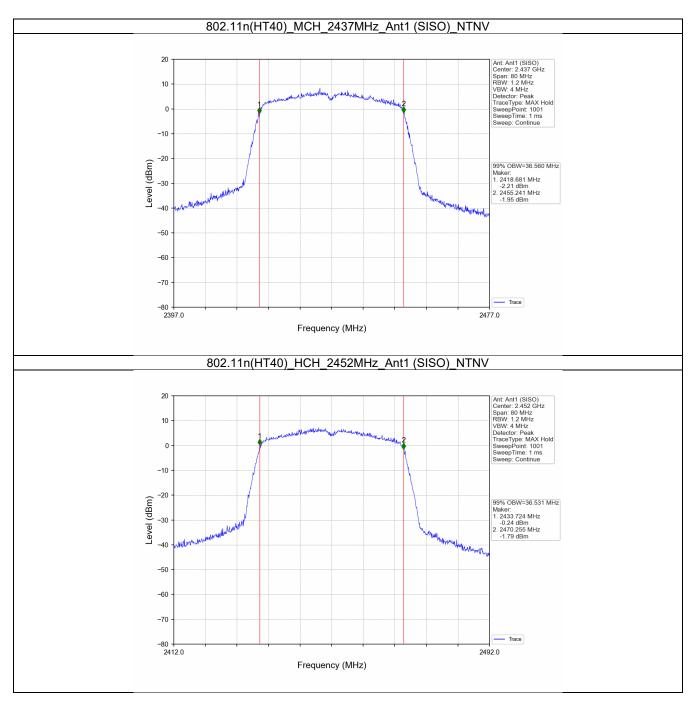
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2.2 6dB BW

2.2.1 Test Result

Mode	TX	Frequency	Ant	6dB Bandw	Verdict	
wode	Type	(MHz)		Result	Limit	verdict
		2412	1	9.587	>=0.5	Pass
802.11b	SISO	2437	1	9.576	>=0.5	Pass
		2462	1	9.574	>=0.5	Pass
	SISO	2412	1	16.325	>=0.5	Pass
802.11g		2437	1	16.342	>=0.5	Pass
_		2462	1	16.352	>=0.5	Pass
000 44		2412	1	17.314	>=0.5	Pass
802.11n	SISO	2437	1	17.300	>=0.5	Pass
(HT20)		2462	1	17.603	>=0.5	Pass
000 11-		2422	1	35.606	>=0.5	Pass
802.11n	SISO	2437	1	36.050	>=0.5	Pass
(HT40)		2452	1	36.024	>=0.5	Pass



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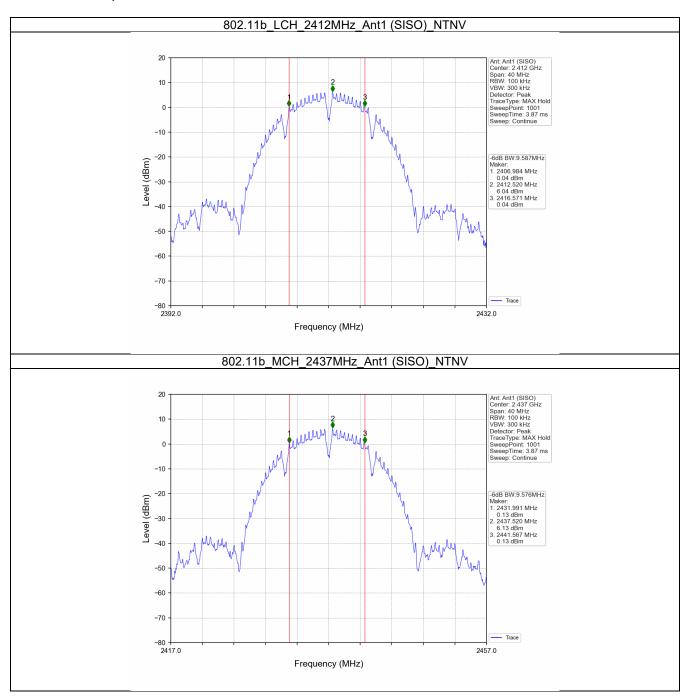
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2.2.2 Test Graph





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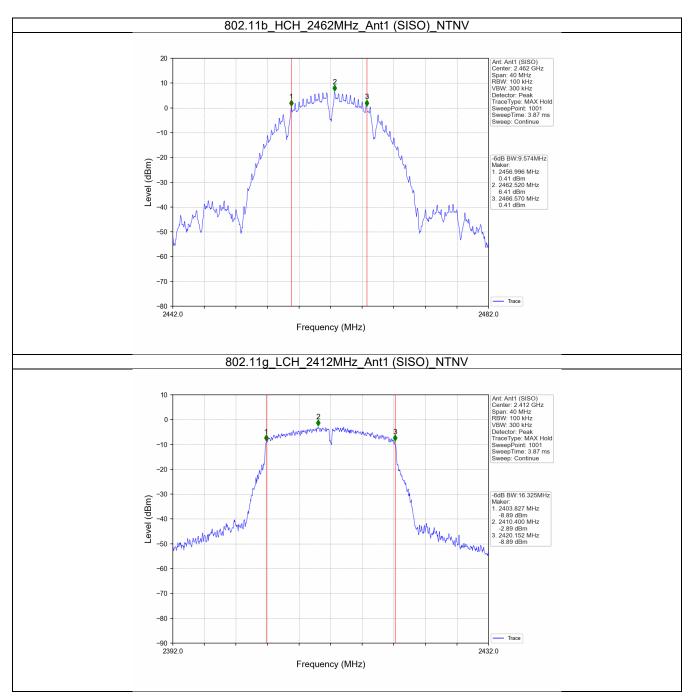
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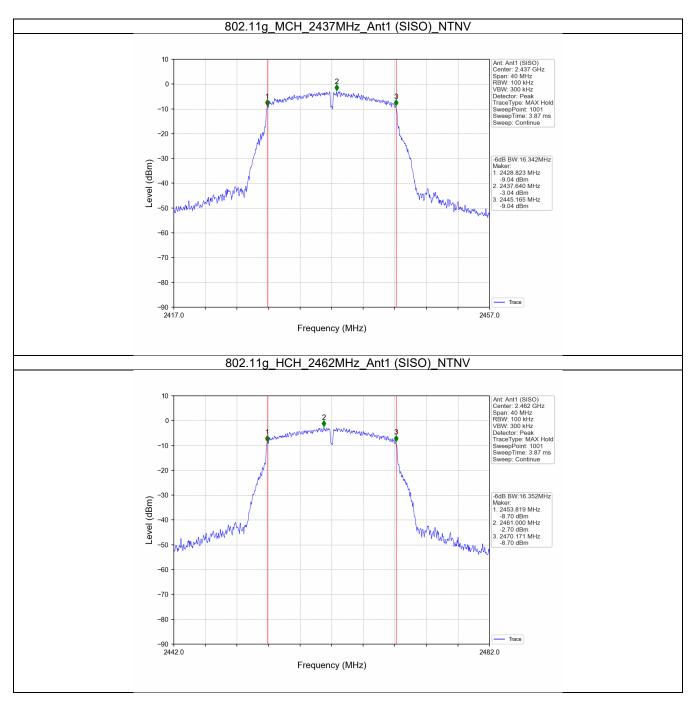
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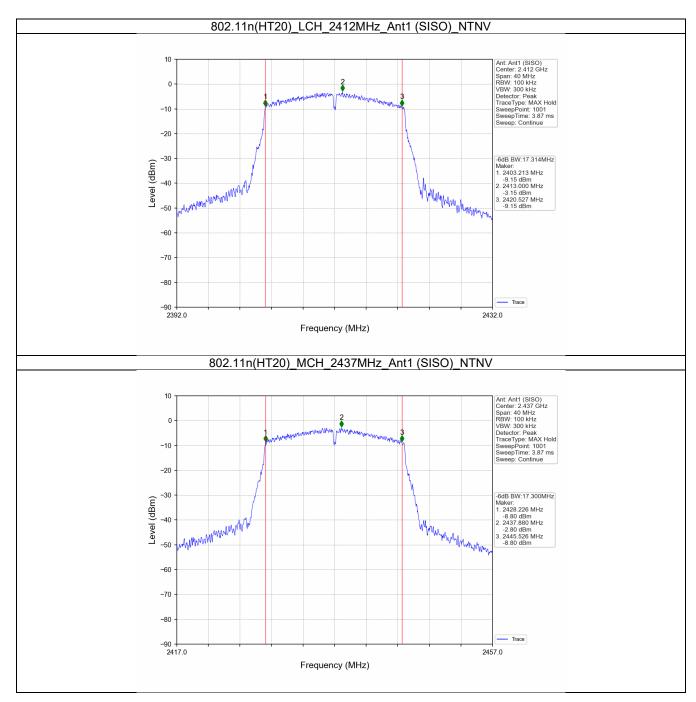
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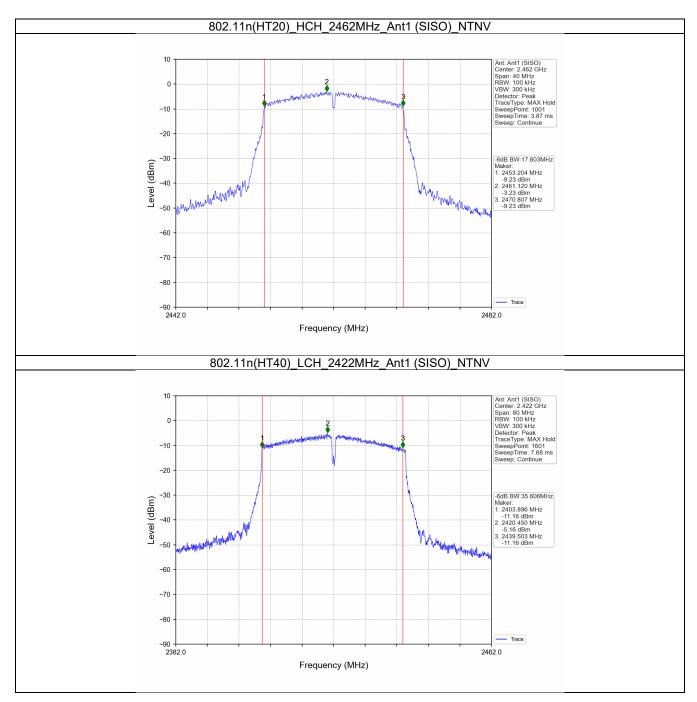
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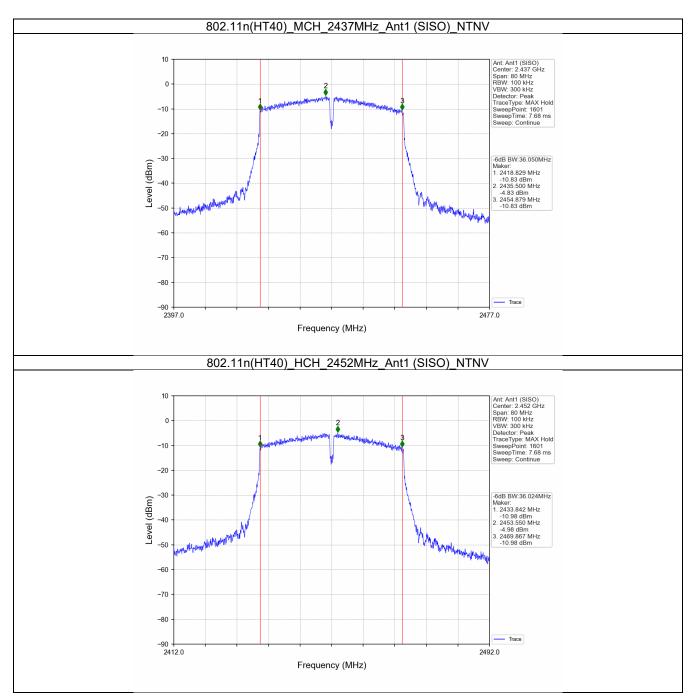
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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX	Frequency	Maximum Peak Conduc	Vardiat		
wode	Type	(MHz)	Ant1	Limit	Verdict	
		2412	17.29	<=30	Pass	
802.11b	SISO	2437	17.18	<=30	Pass	
		2462	17.41	<=30	Pass	
		2412	17.47	<=30	Pass	
802.11g	SISO	2437	17.50	<=30	Pass	
		2462	17.74	<=30	Pass	
000 11-	SISO	2412	17.32	<=30	Pass	
802.11n		2437	17.54	<=30	Pass	
(HT20)		2462	17.60	<=30	Pass	
000 11-	SISO		2422	17.89	<=30	Pass
802.11n		2437	18.30	<=30	Pass	
(HT40)		2452	18.31	<=30	Pass	
lote1: Antenn	a Gain: Ant1:	1.73dBi;			•	

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
	• •	2412	-8.14	<=8	Pass
802.11b	SISO	2437	-8.29	<=8	Pass
		2462	-7.73	<=8	Pass
		2412	-14.40	<=8	Pass
802.11g	SISO	2437	-14.55	<=8	Pass
		2462	-14.46	<=8	Pass
000 11-	SISO	2412	-14.24	<=8	Pass
802.11n		2437	-14.94	<=8	Pass
(HT20)		2462	-14.70	<=8	Pass
000 11-		2422	-16.61	<=8	Pass
802.11n	SISO	2437	-16.97	<=8	Pass
(HT40)		2452	-16.91	<=8	Pass
ote1: Antenna G	ain: Ant1: 1.73dE	Bi;		•	•

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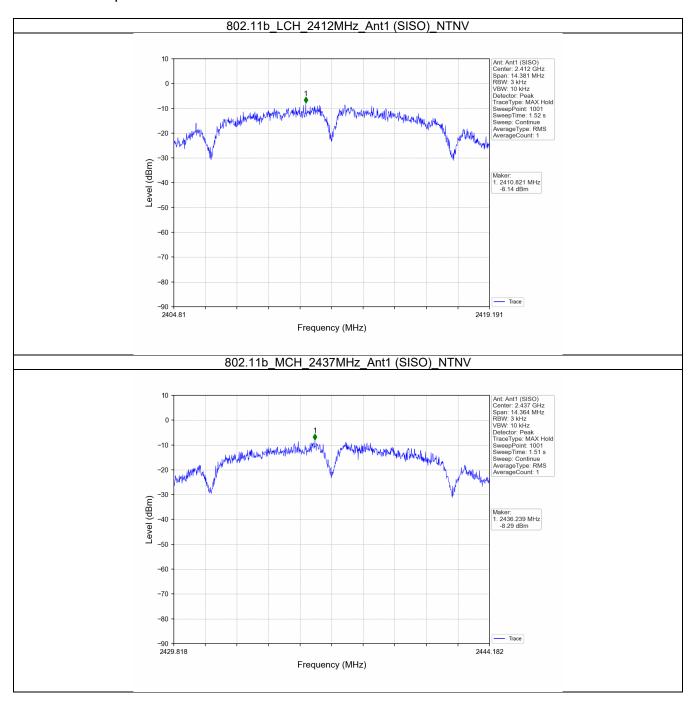
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4.1.2 Test Graph





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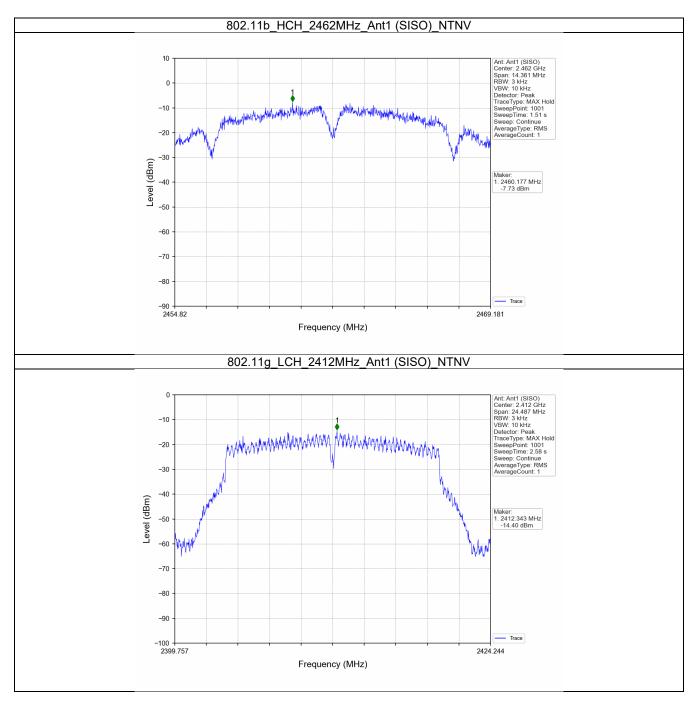
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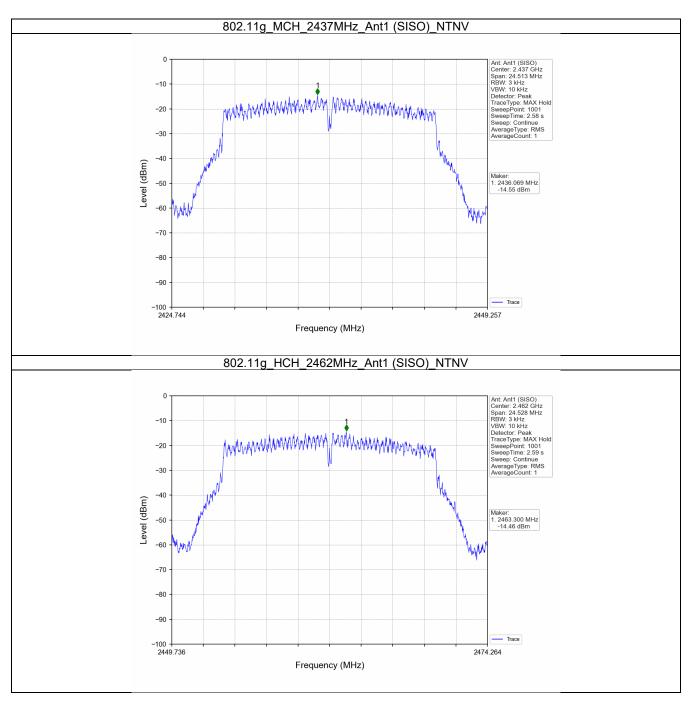
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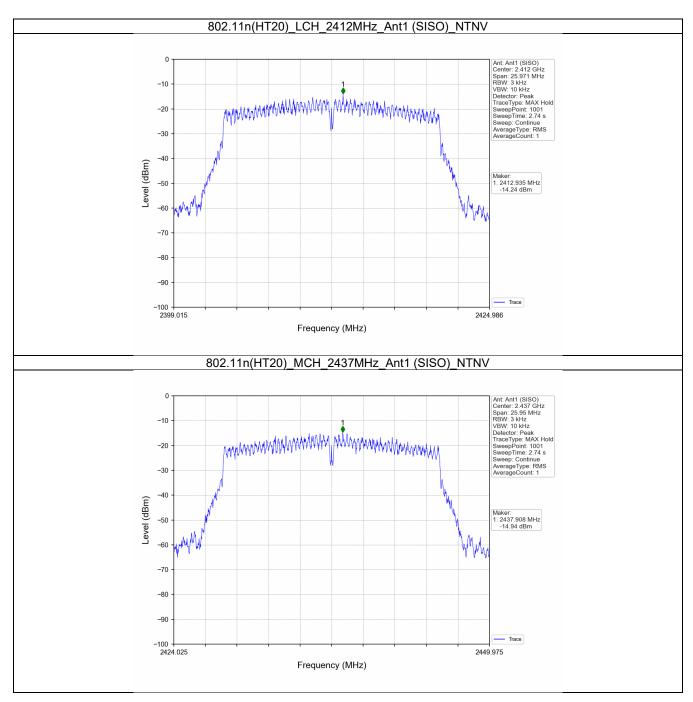
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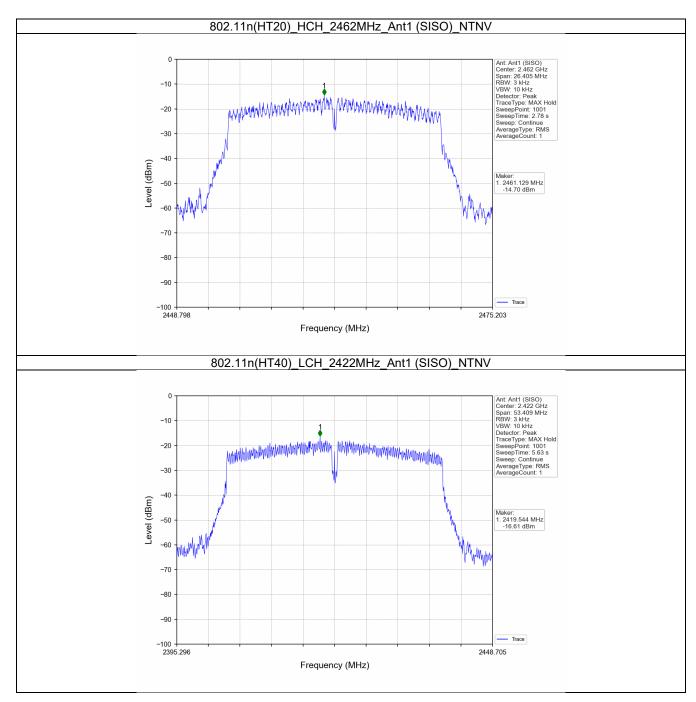
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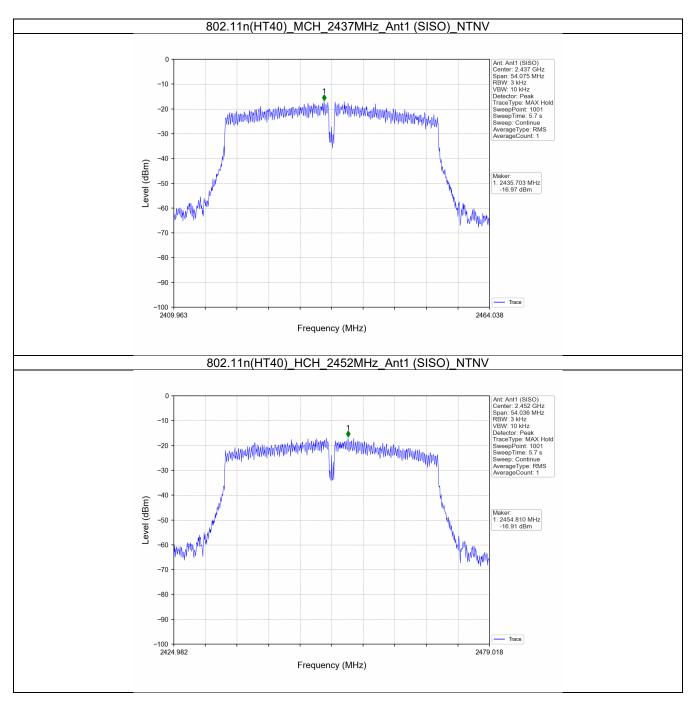
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5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)
		2412	1	5.99
802.11b	SISO	2437	1	5.98
		2462	1	6.10
	SISO	2412	1	-3.08
802.11g		2437	1	-2.90
-		2462	1	-2.72
000 44=	SISO	2412	1	-3.24
802.11n		2437	1	-3.55
(HT20)		2462	1	-3.31
000 44=	SISO	2422	1	-5.34
802.11n		2437	1	-4.78
(HT40)		2452	1	-5.24

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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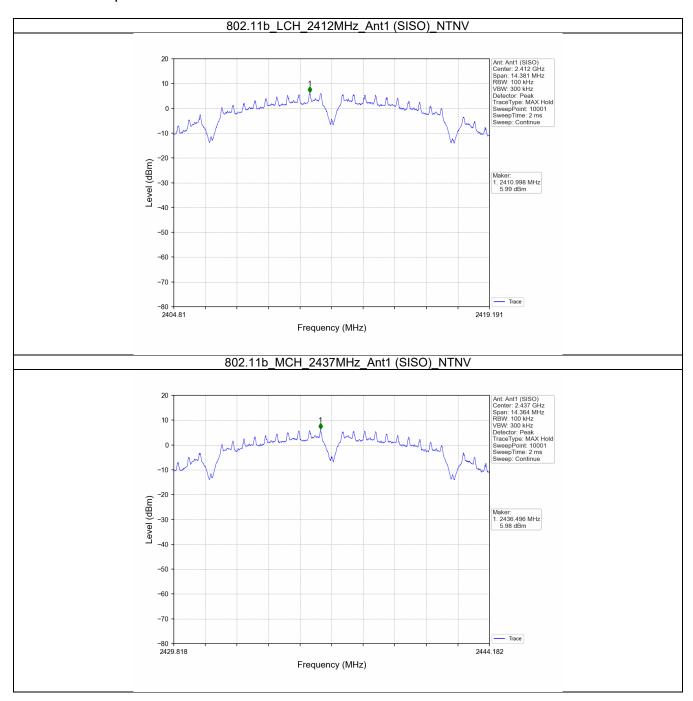
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5.1.2 Test Graph





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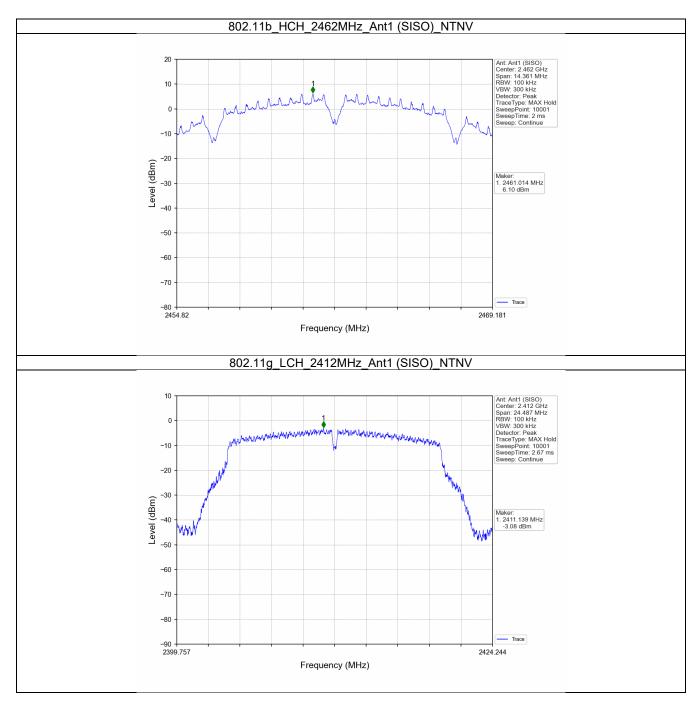
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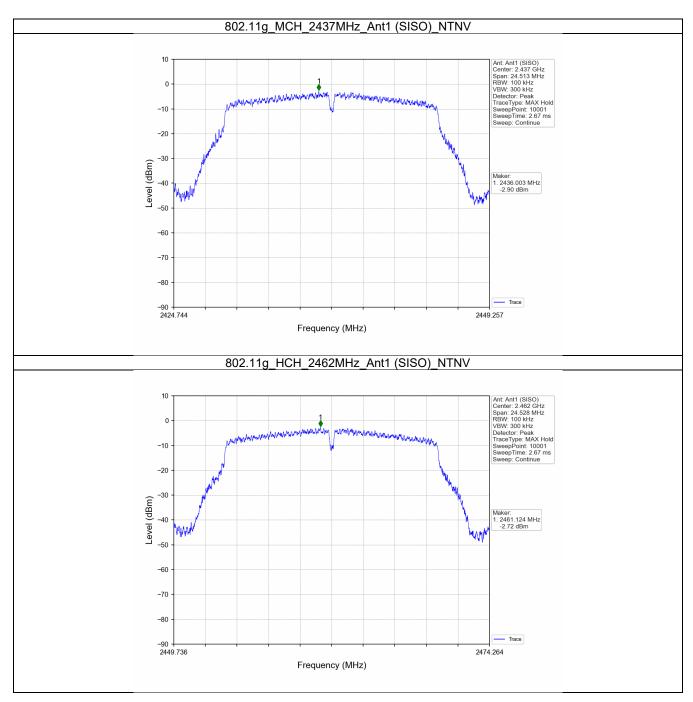
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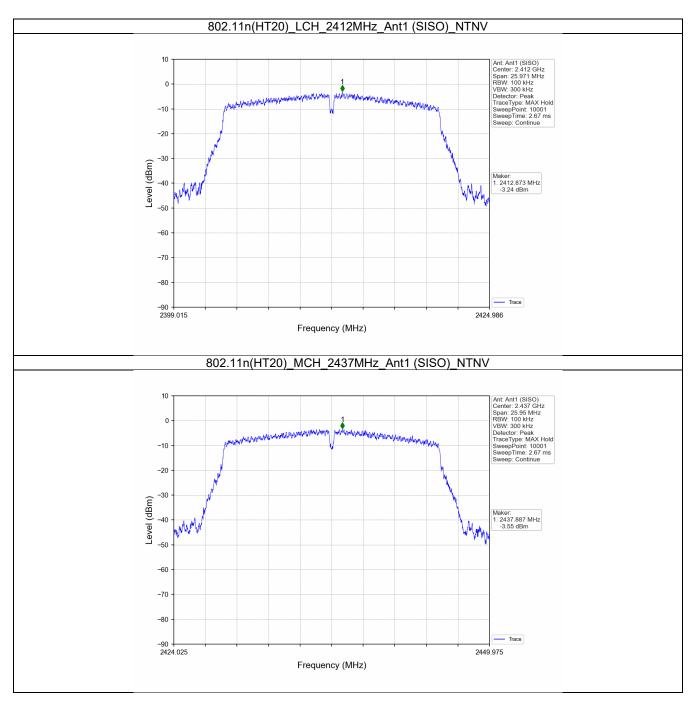
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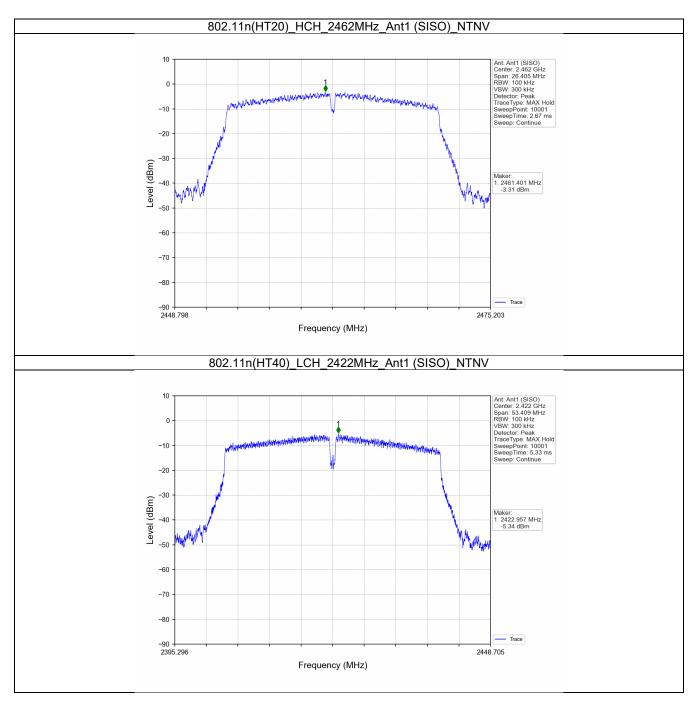
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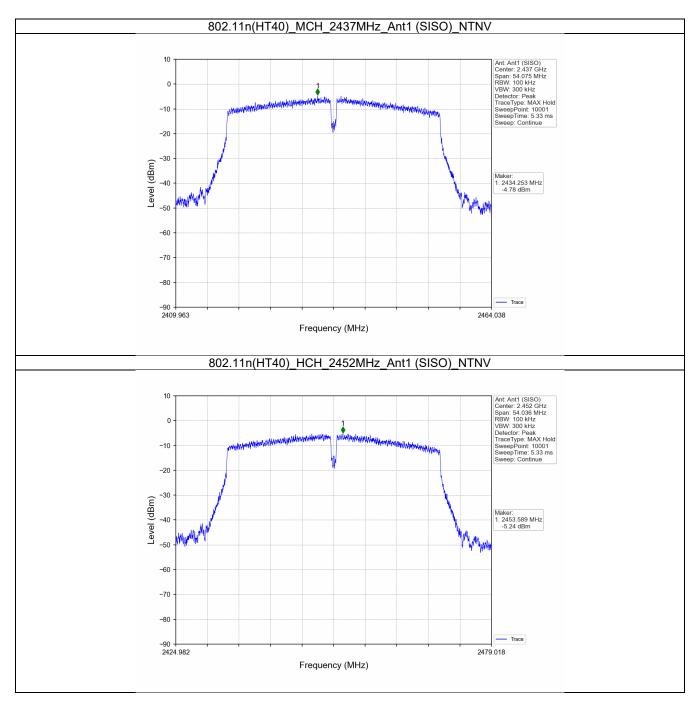
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5.2 CSE

5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict	
	71	2412	1	6.10	-13.90	Pass	
802.11b	SISO	2437	1	6.10	-13.90	Pass	
		2462	1	6.10	-13.90	Pass	
	SISO	2412	1	-2.72	-22.72	Pass	
802.11g		2437	1	-2.72	-22.72	Pass	
		2462	1	-2.72	-22.72	Pass	
802.11n	SISO	2412	1	-3.24	-23.24	Pass	
		2437	1	-3.24	-23.24	Pass	
(HT20)		2462	1	-3.24	-23.24	Pass	
902 11n	SISO	2.11n SISO	2422	1	-4.78	-24.78	Pass
(HT40)			2437	1	-4.78	-24.78	Pass
(11140)		2452	1	-4.78	-24.78	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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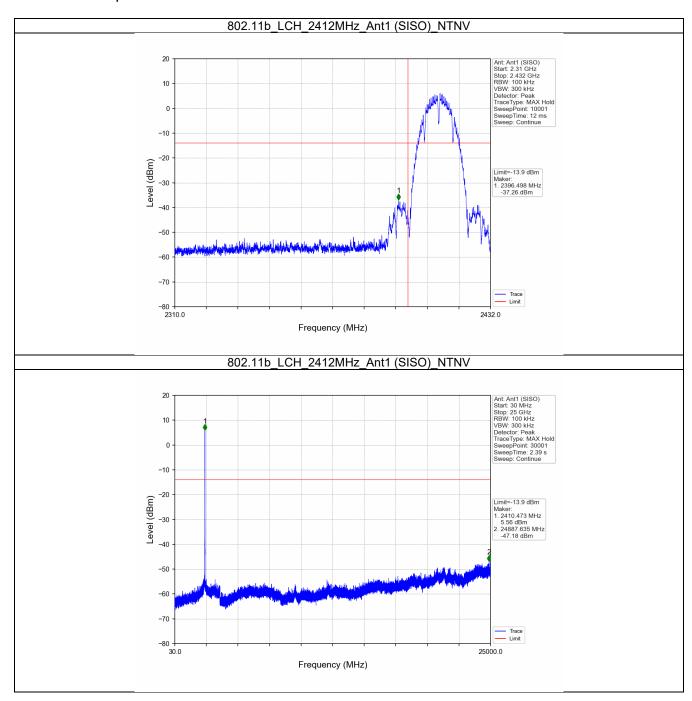
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5.2.2 Test Graph





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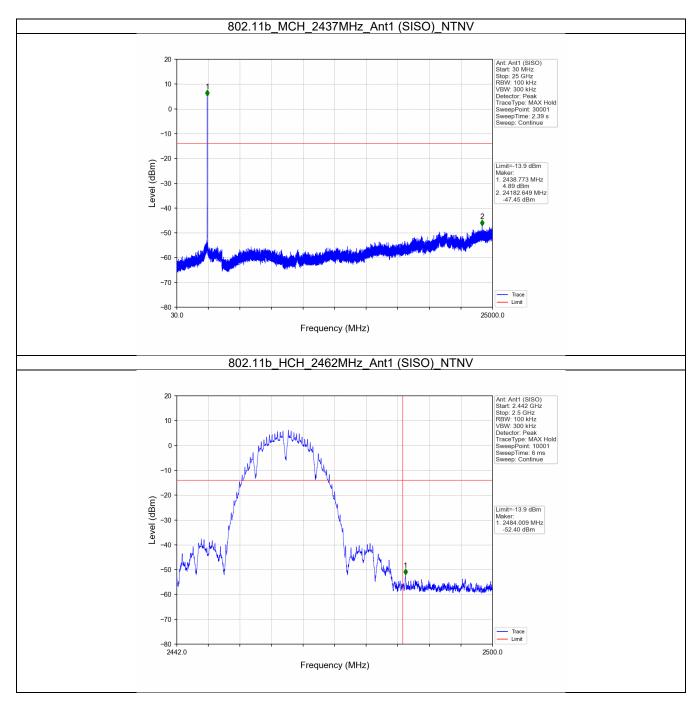
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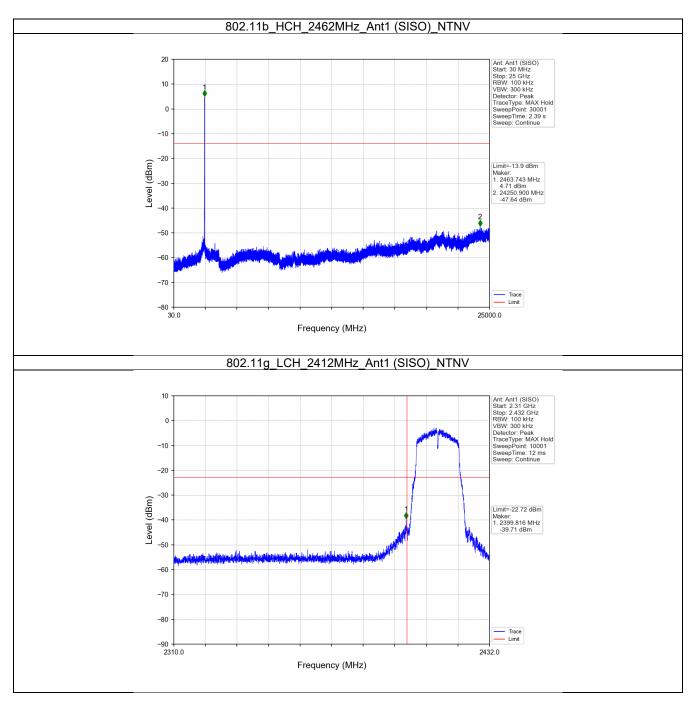
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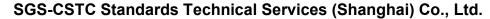




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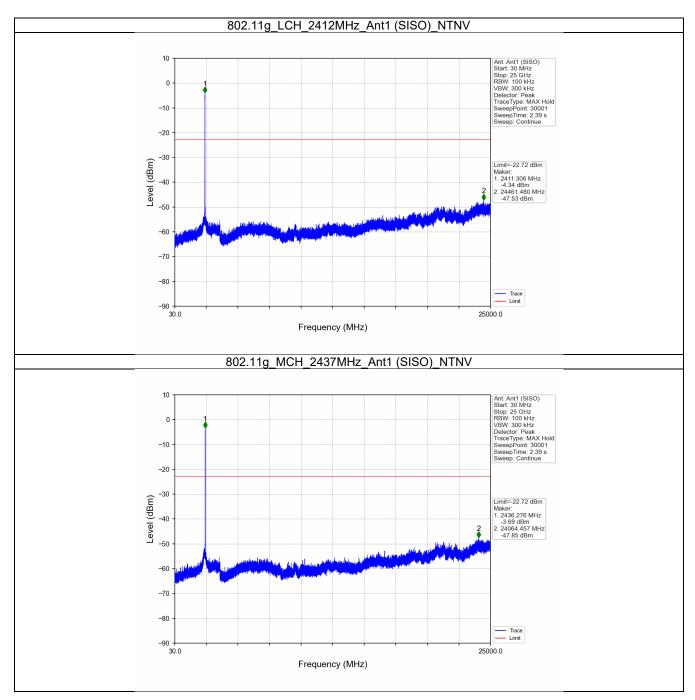
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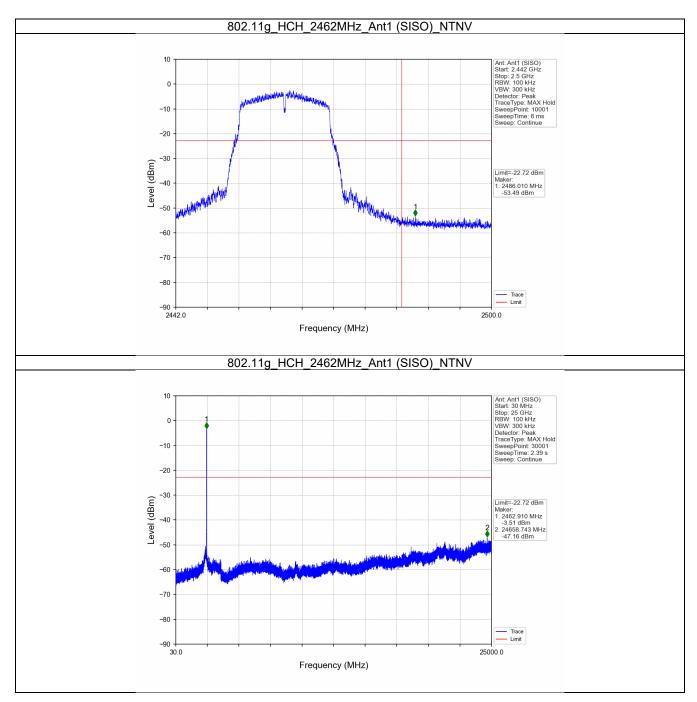
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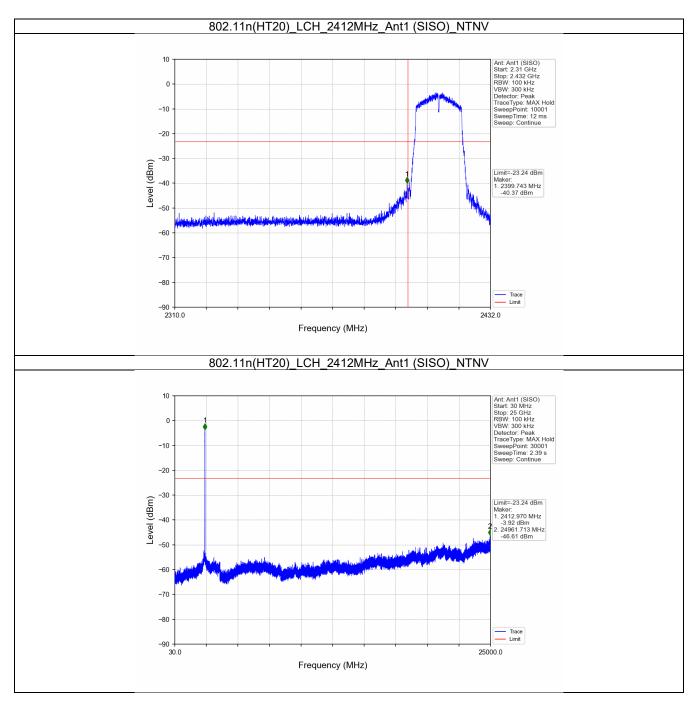
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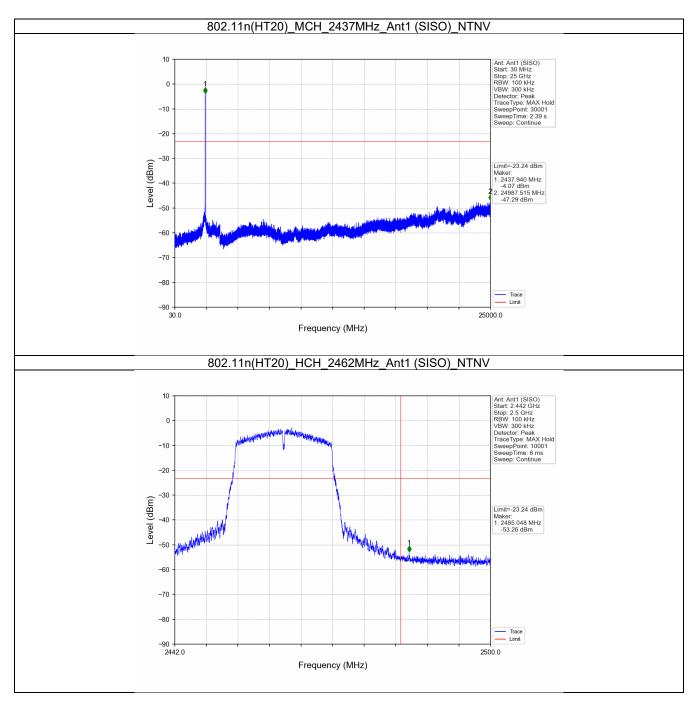
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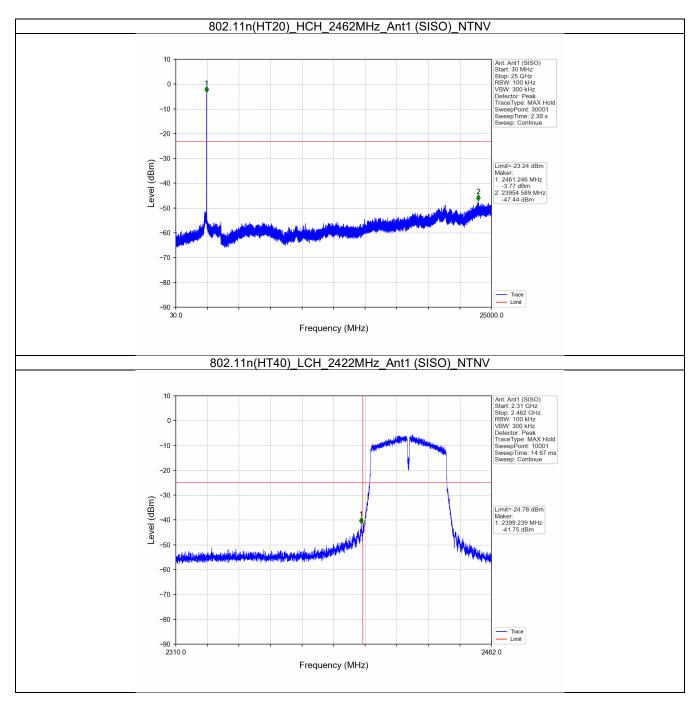
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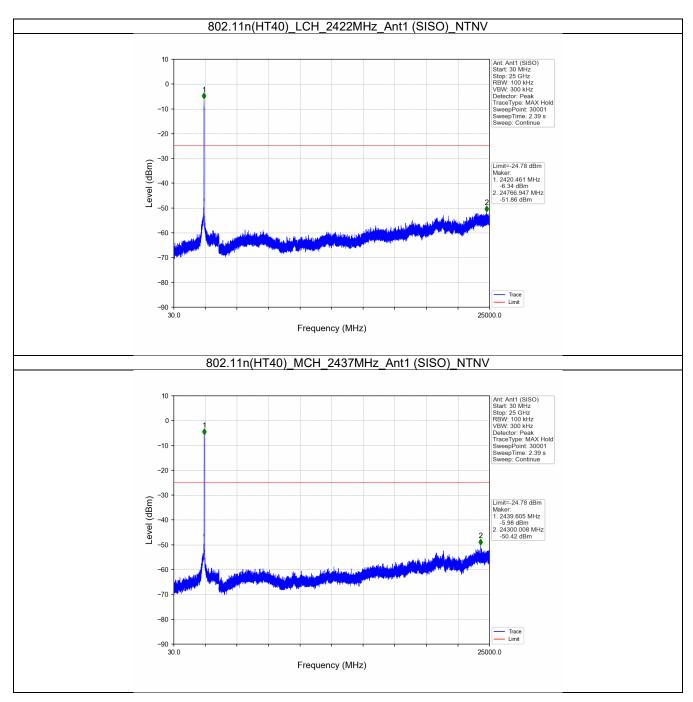
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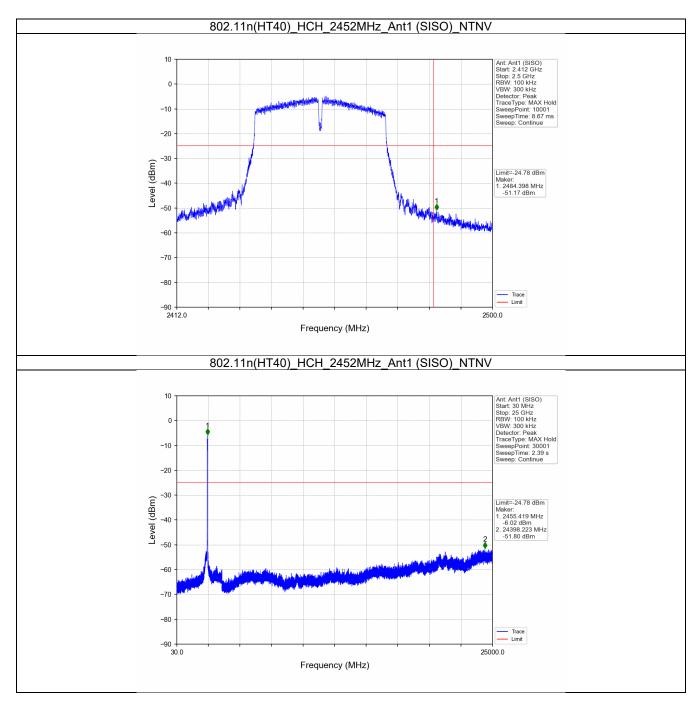
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