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Appendix A for SHCR220100006701

1. Duty Cycle

1.1 Ant1

1.1.1 Test Result

						Ant1			
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
		2412	/	/	8.60	8.70	98.85	0.05	0.00
802.11b	SISO	2437	/	/	8.60	8.70	98.85	0.05	0.00
		2462	/	/	8.60	8.70	98.85	0.05	0.00
		2412	/	/	1.43	1.53	93.09	0.31	3.46
802.11g	SISO	2437	/	/	1.43	1.53	93.02	0.31	0.10
		2462	/	/	1.43	1.53	92.96	0.32	0.10
000 44=		2412	/	/	1.33	1.44	92.52	0.34	0.11
802.11n	SISO	2437	1	1	1.34	1.44	92.58	0.33	0.10
(HT20)		2462	1	1	1.33	1.44	92.58	0.33	0.00
Note1: O	nly for R	eport Use							



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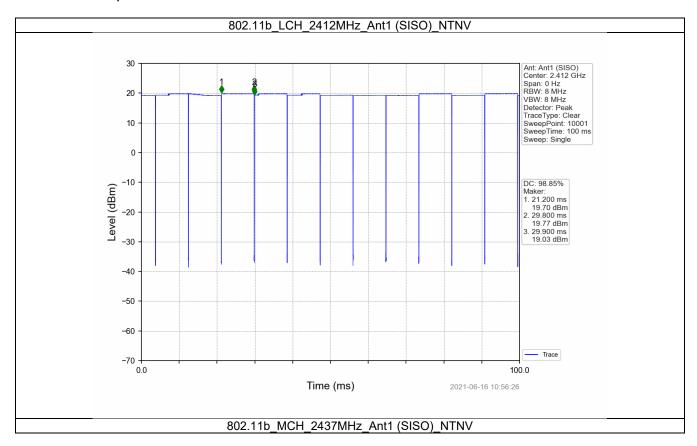
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1.1.2 Test Graph





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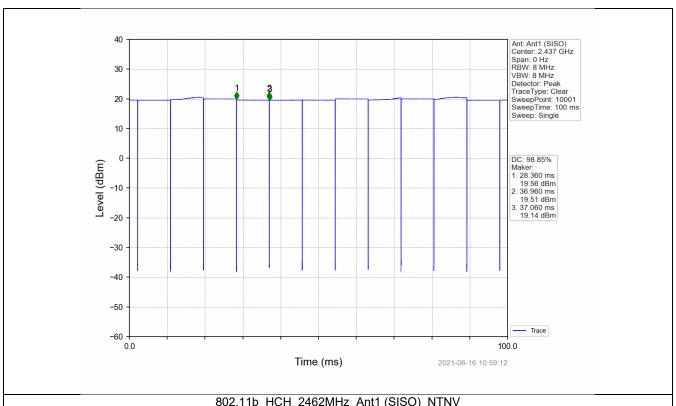
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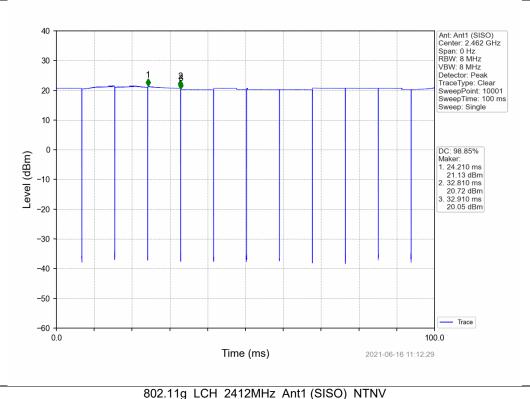
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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV





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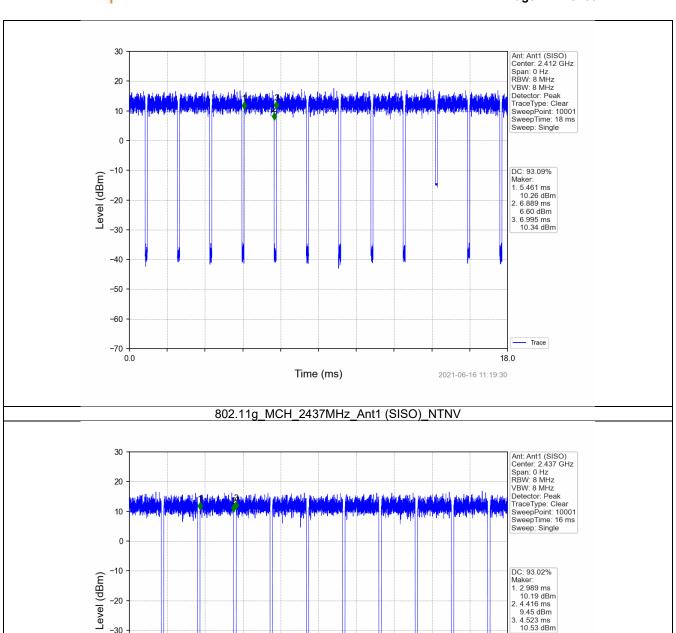
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Time (ms)

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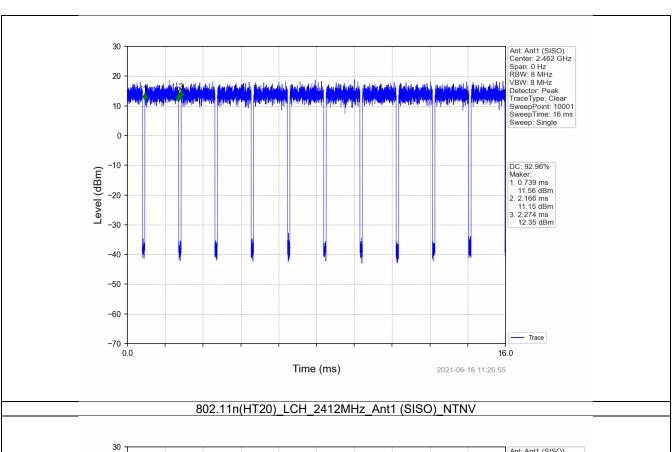
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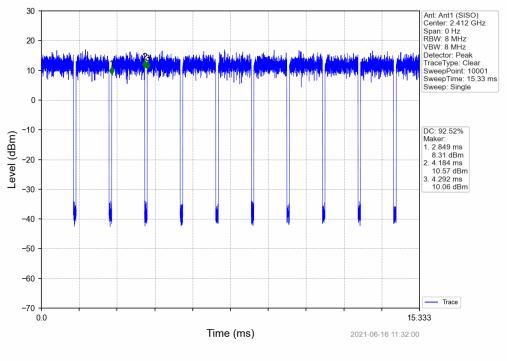
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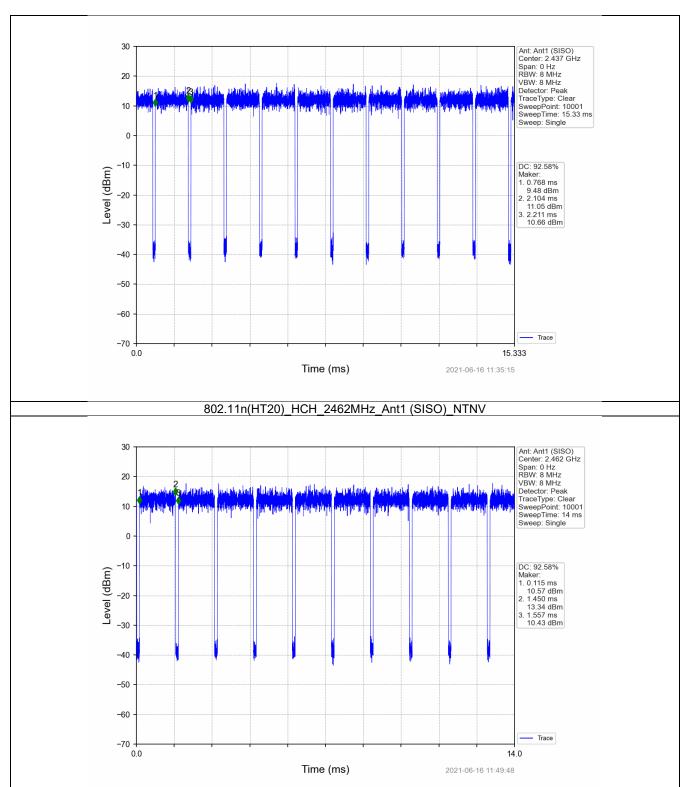
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2. Bandwidth

2.1 OBW

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Ant	99% Occupied Bandwidth (MHz)	Limit	Verdict		
		2412	/	/	1	14.72	/	Note1		
802.11b	SISO	2437	/	/	1	19.56	/	Note1		
		2462	/	/	1	15.81	/	Note1		
	SISO	2412	/	/	1	17.21	/	Note1		
802.11g		2437	/	/	1	17.92	/	Note1		
		2462	/	/	1	17.32	/	Note1		
	SISO	2412	/	/	1	18.29	/	Note1		
802.11n (HT20)		2437	/	/	1	19.18	/	Note1		
		2462	1	1	1	18.24	/	Note1		
Note1: Only for	Note1: Only for Report Use									



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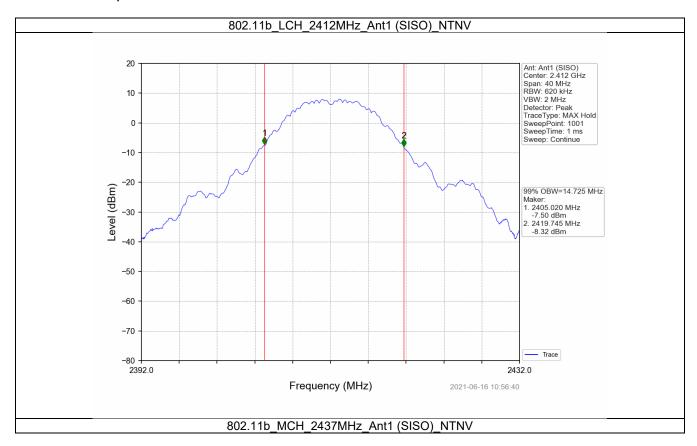
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2.1.2 Test Graph





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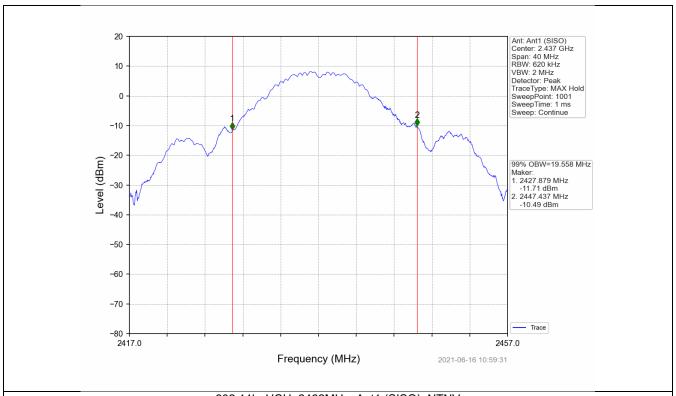
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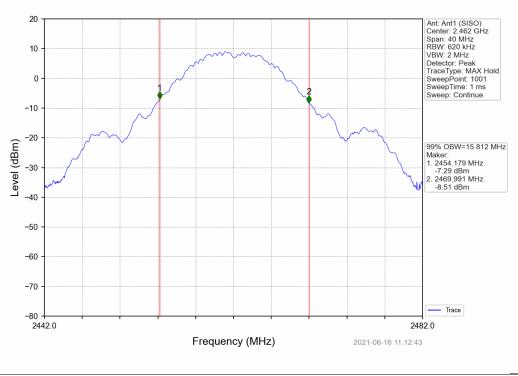
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802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



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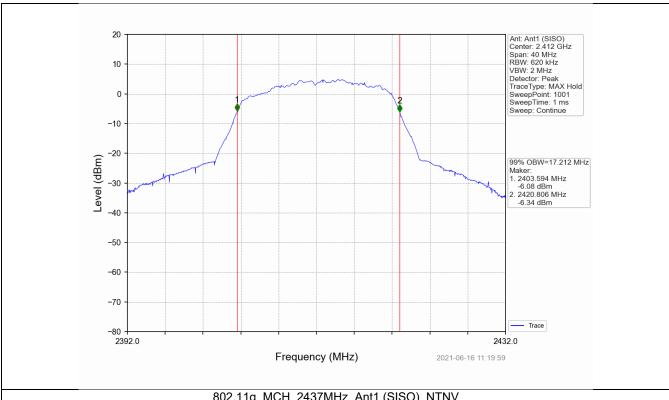
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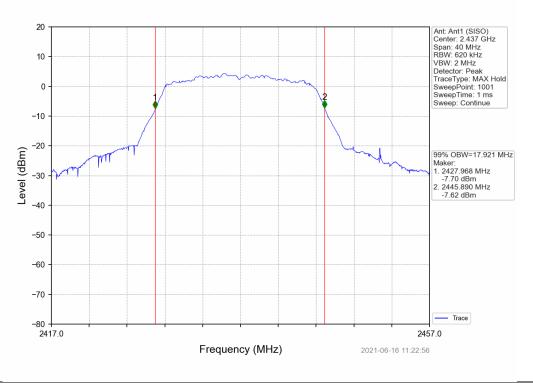




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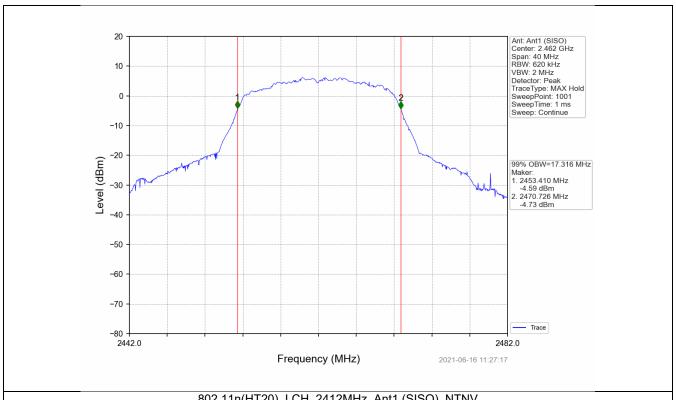
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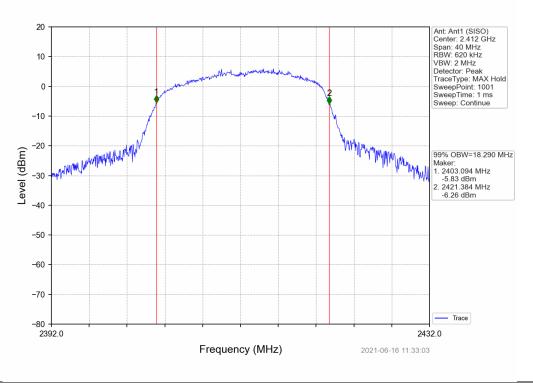
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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV

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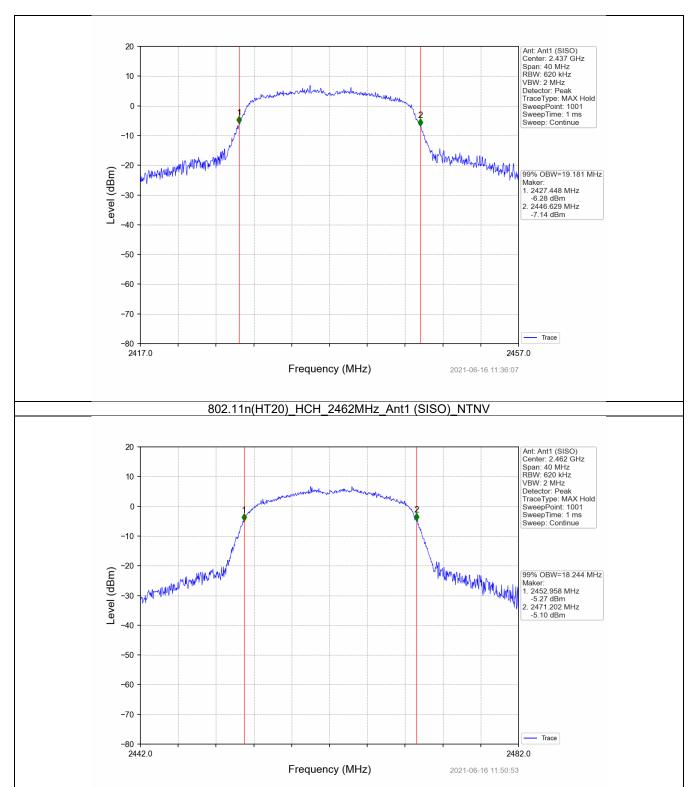
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2.2 XDB

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Ant	6dB Bandwidth (MHz)	Limit	Verdict
		2412	/	1	1	9.59	>=0.5	Pass
802.11b	SISO	2437	/	1	1	9.59	>=0.5	Pass
		2462	/	1	1	9.58	>=0.5	Pass
	SISO	2412	/	1	1	13.89	>=0.5	Pass
802.11g		2437	/	1	1	15.47	>=0.5	Pass
		2462	/	1	1	15.11	>=0.5	Pass
		2412	/	1	1	14.08	>=0.5	Pass
802.11n (HT20)	SISO	2437	/	1	1	16.44	>=0.5	Pass
		2462	1	1	1	15.12	>=0.5	Pass



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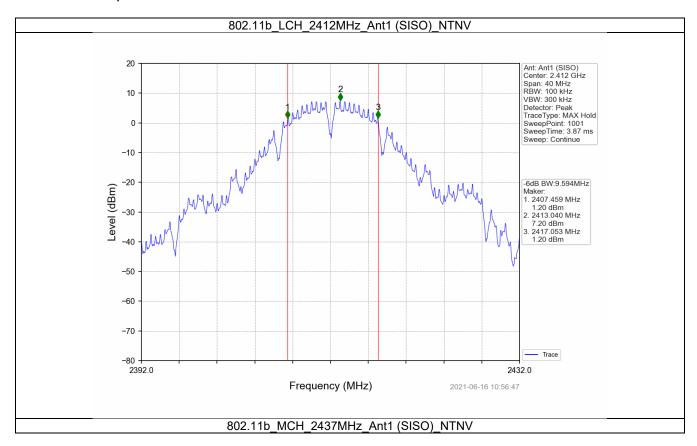
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2.2.2 Test Graph





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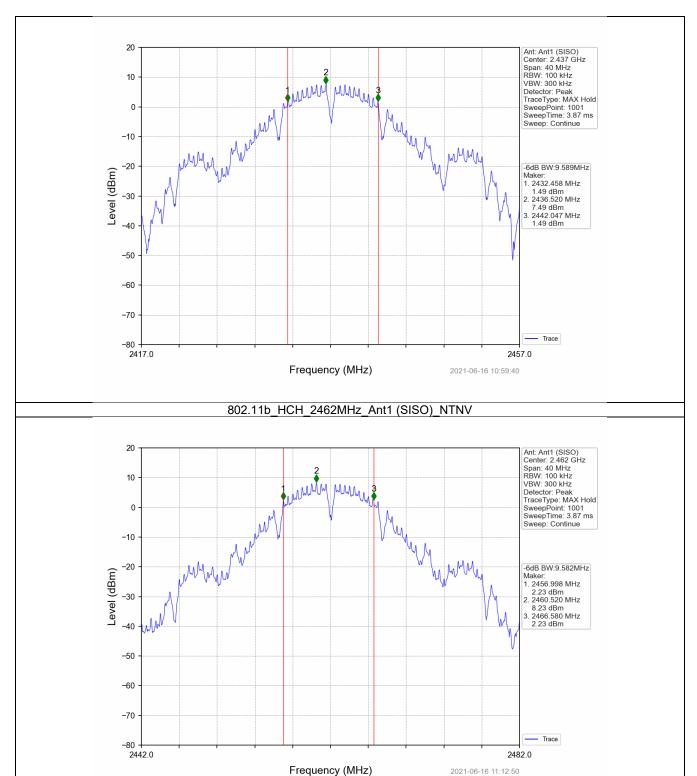
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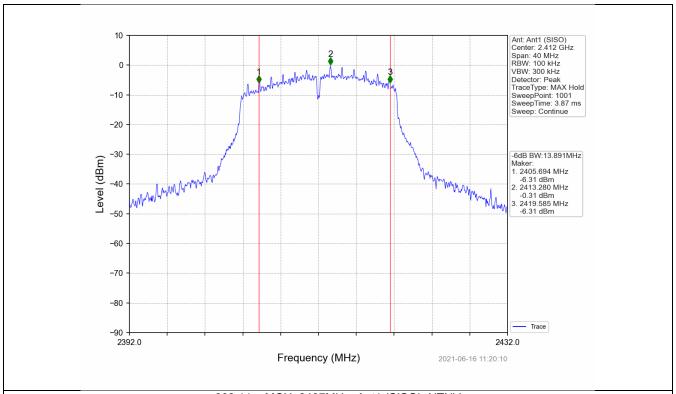
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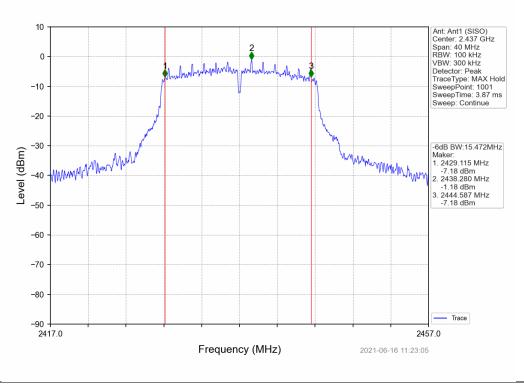
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802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



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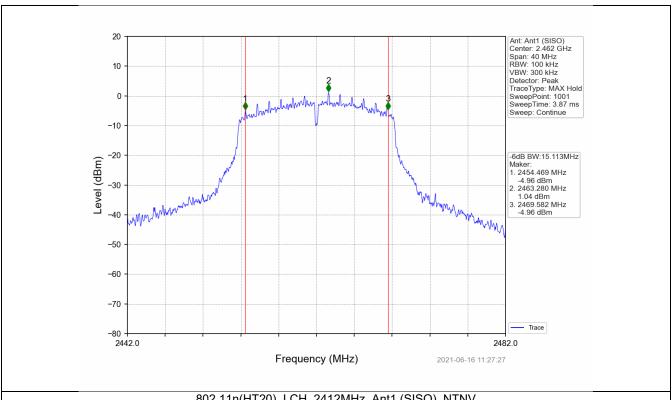
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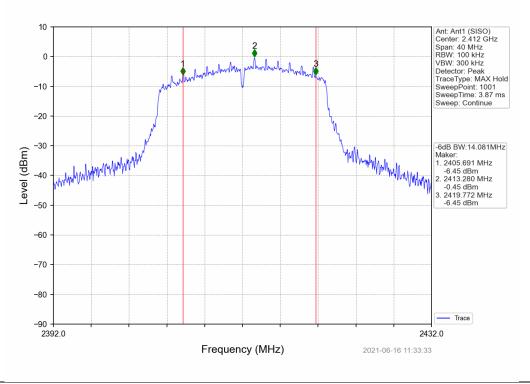
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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV



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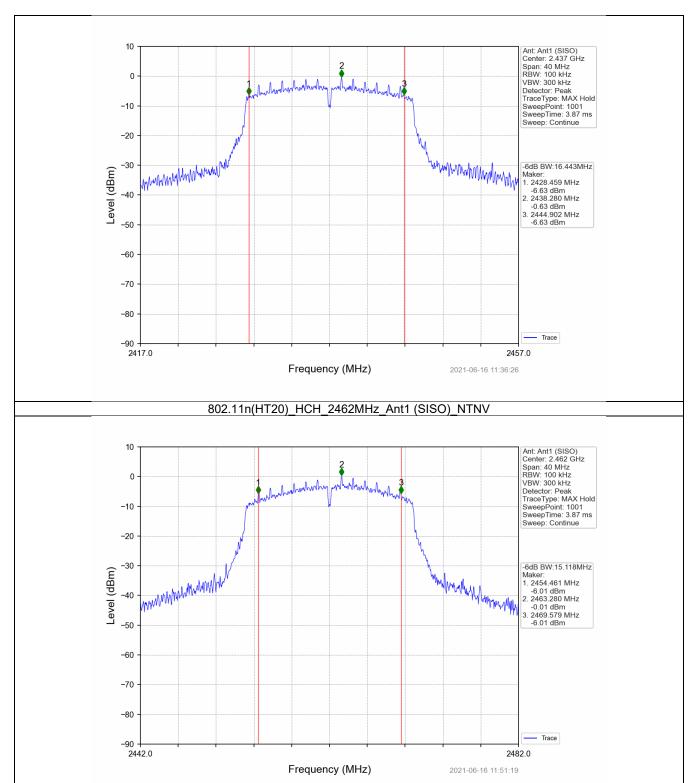
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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Measured Peak Output Power (dBm) Ant1	Limit (dBm)	Verdict
	- 71	2412	1	/	18.67	<=30	Pass
802.11b	SISO	2437	/	/	18.57	<=30	Pass
	•	2462	/	/	19.52	<=30	Pass
		2412	/	/	17.19	<=30	Pass
802.11g	SISO	2437	/	/	17.56	<=30	Pass
		2462	/	/	17.42	<=30	Pass
000 44=		2412	/	/	16.86	<=30	Pass
802.11n (HT20)	SISO	2437	/	/	17.28	<=30	Pass
(1120)		2462	/	/	17.30	<=30	Pass
Note1: Ante	nna Gai	n: 1: -5.58dBi;					

4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

检验检测专用章

Mode	TX	Frequency	RU	RU	Maximum PSD (dBm/3kHz)	Limit (dDm/2kUz)	Verdict
Ty	Type	(MHz)	KU	Pos	Ant1	Limit (dBm/3kHz)	
		2412	/	1	-6.76	<=8	Pass
802.11b	SISO	2437	/	1	-7.63	<=8	Pass
		2462	/	1	-6.25	<=8	Pass
		2412	/	1	-15.05	<=8	Pass
802.11g	SISO	2437	/	1	-14.37	<=8	Pass
		2462	/	1	-14.51	<=8	Pass
000 11p		2412	/	1	-14.80	<=8	Pass
802.11n (HT20)	SISO	2437	/	1	-15.61	<=8	Pass
		2462	/	/	-14.99	<=8	Pass

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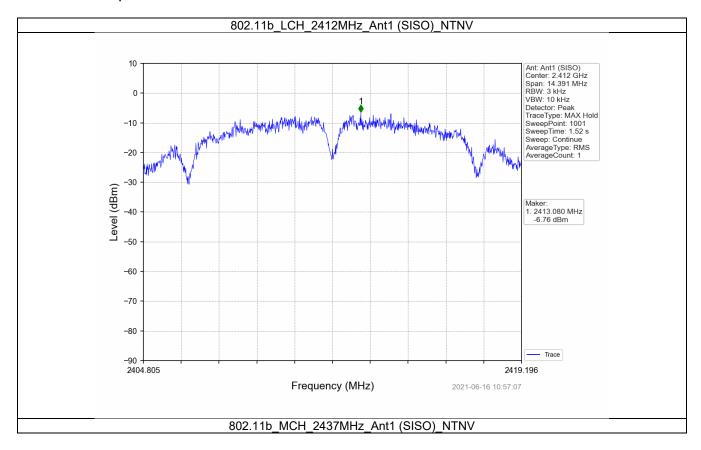
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4.1.2 Test Graph





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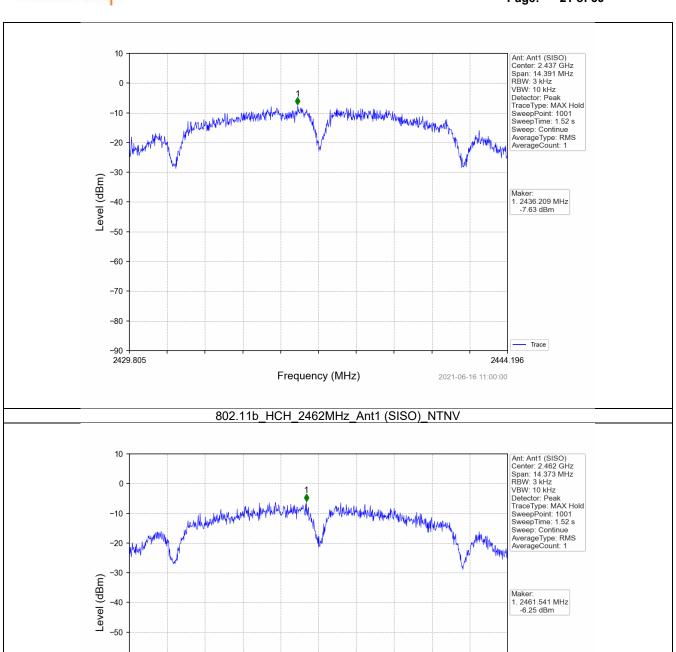
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802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

Frequency (MHz)



-60

-70

-80

-90 |---- 2454.814

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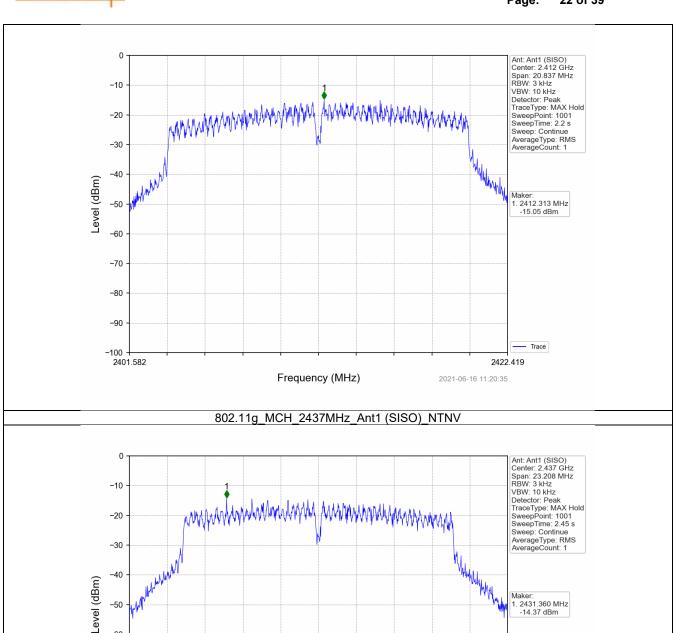
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-60

-70

-80

-90

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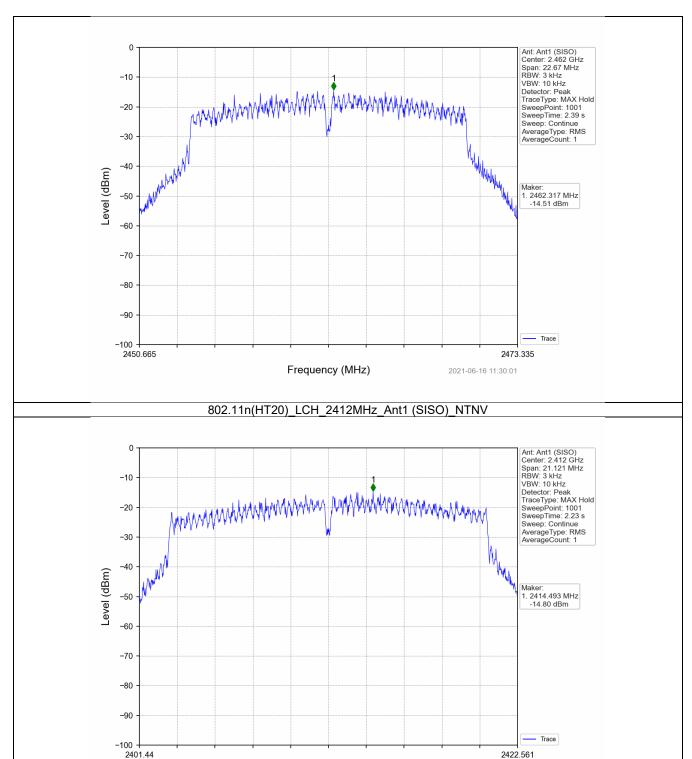
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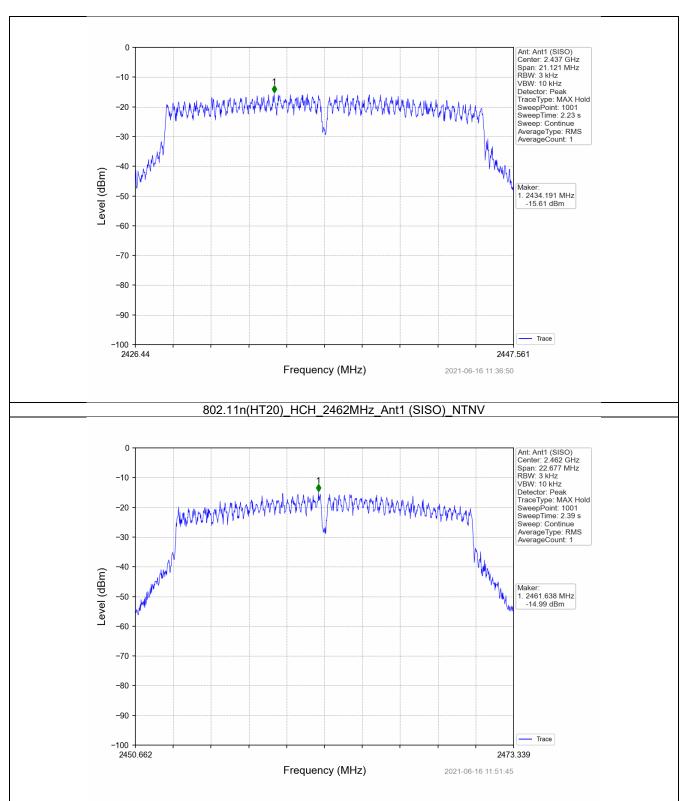
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5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
		2412	1	/	1	7.49	/	/
802.11b	SISO	2437	1	/	1	7.27	/	/
		2462	1	/	1	7.00	/	/
		2412	1	/	1	-0.34	/	/
802.11g	SISO	2437	1	/	1	-1.20	/	/
		2462	1	/	1	0.80	/	/
000 44:-		2412	1	/	1	-0.72	/	/
802.11n	SISO	2437	1	/	1	-0.91	/	/
(HT20)		2462	1	/	1	-0.64	1	/

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: Only for Report Use



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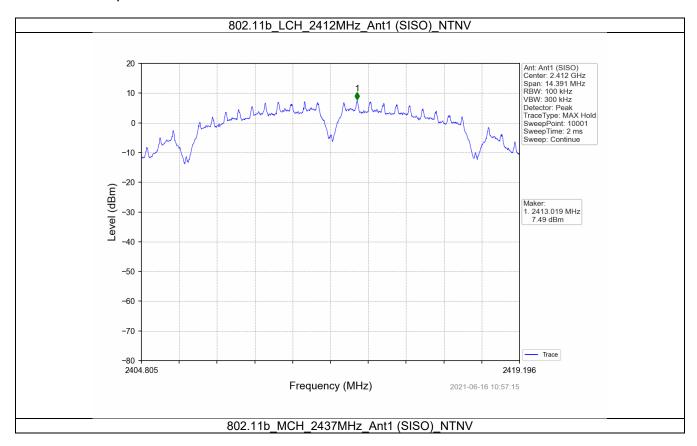
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5.1.2 Test Graph





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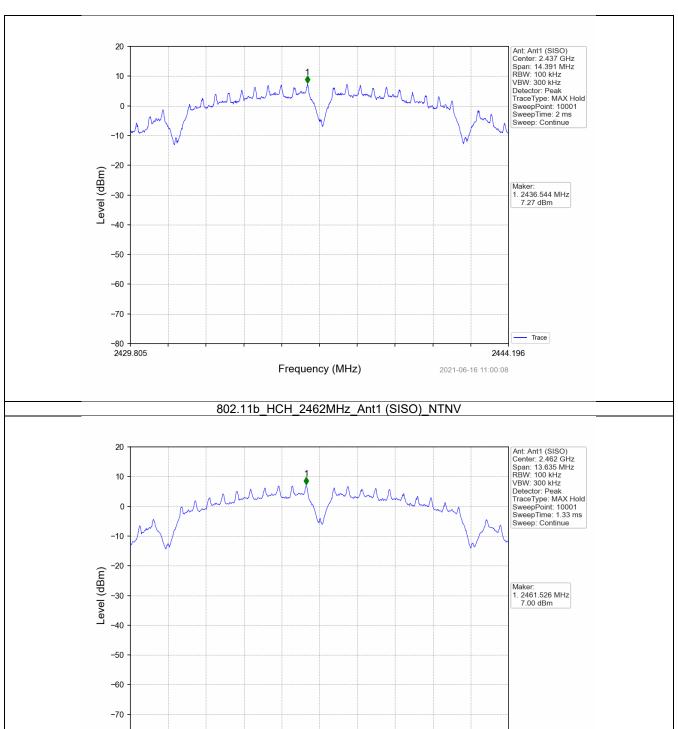
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802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

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Frequency (MHz)



-80 |---- 2455.183

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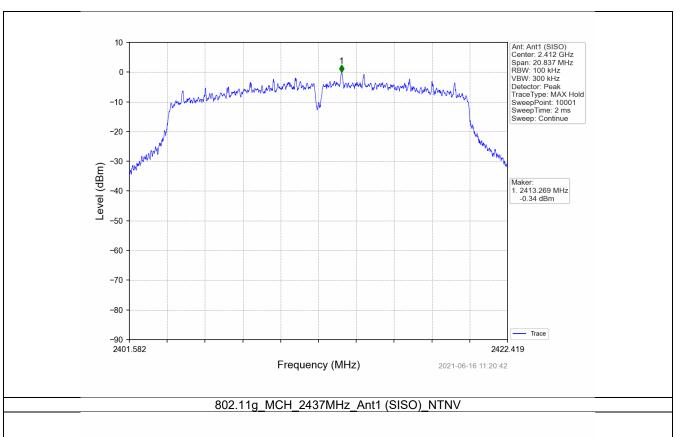
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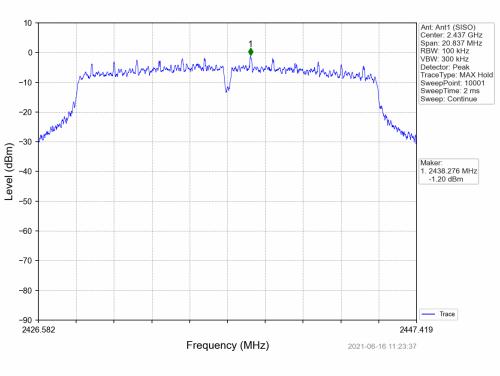
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802.11g HCH 2462MHz Ant1 (SISO) NTNV



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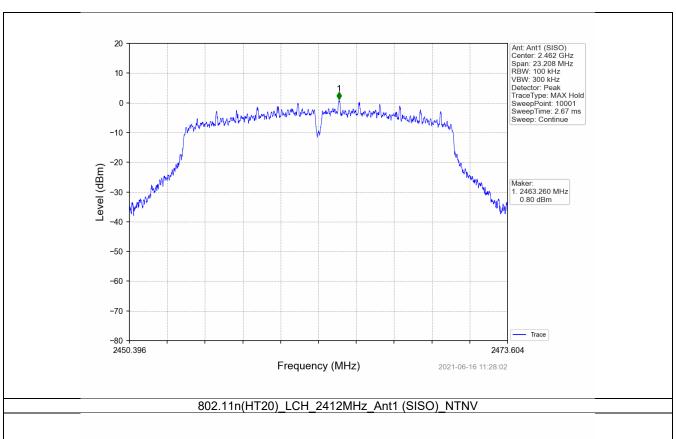
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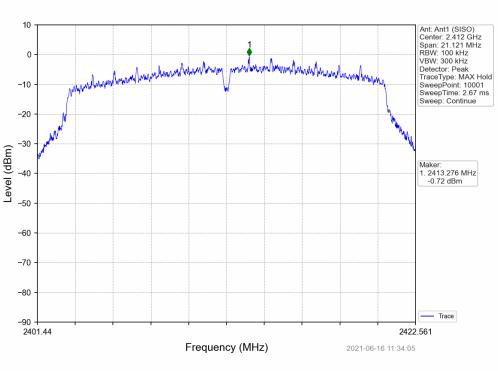
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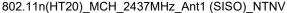
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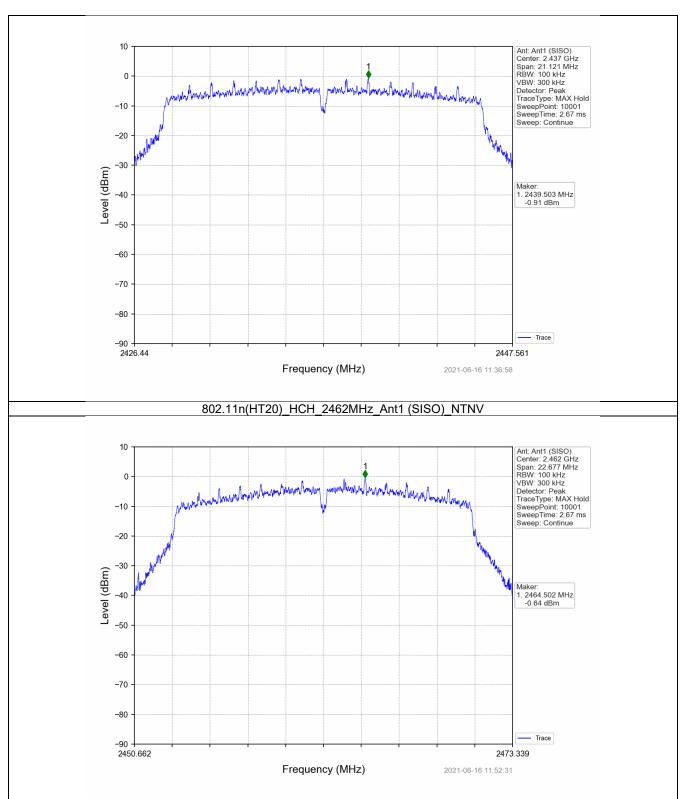
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5.2 CSE

5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
		2412	1	/	1	Refer To Test Graph	Refer To Test Graph	Note2
802.11b	SISO	2437	1	/	1	Refer To Test Graph	Refer To Test Graph	Note2
		2462	1	/	1	Refer To Test Graph	Refer To Test Graph	Note2
		2412	1	/	1	Refer To Test Graph	Refer To Test Graph	Note2
802.11g	SISO	2437	1	/	1	Refer To Test Graph	Refer To Test Graph	Note2
		2462	1	/	1	Refer To Test Graph	Refer To Test Graph	Note2
		2412	1	/	1	Refer To Test Graph	Refer To Test Graph	Note2
802.11n (HT20)	SISO	2437	1	/	1	Refer To Test Graph	Refer To Test Graph	Note2
		2462	1	/	1	Refer To Test Graph	Refer To Test Graph	Note2

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: Only for Report Use



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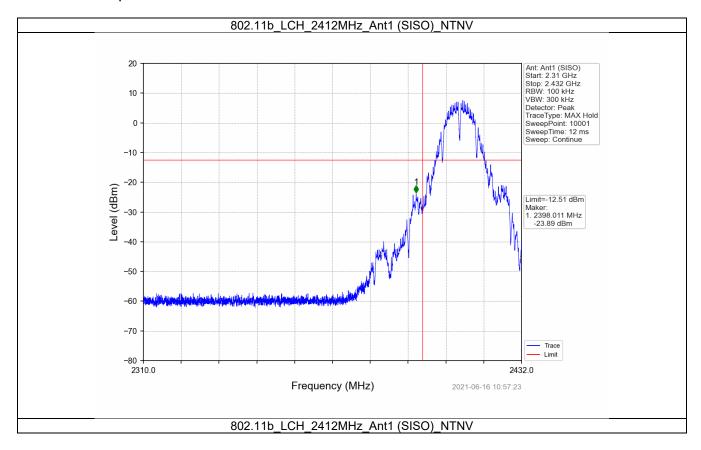
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5.2.2 Test Graph





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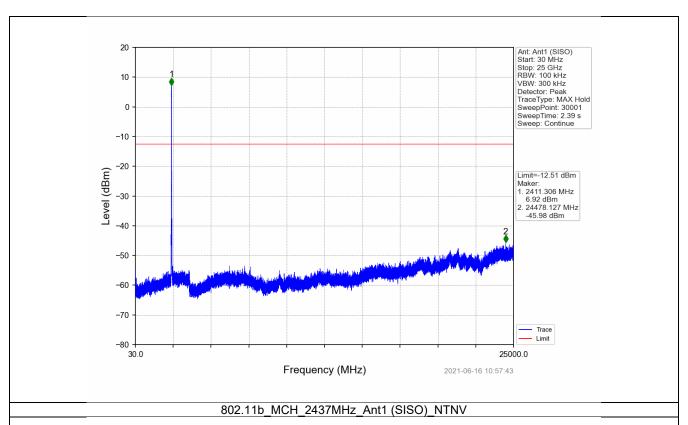
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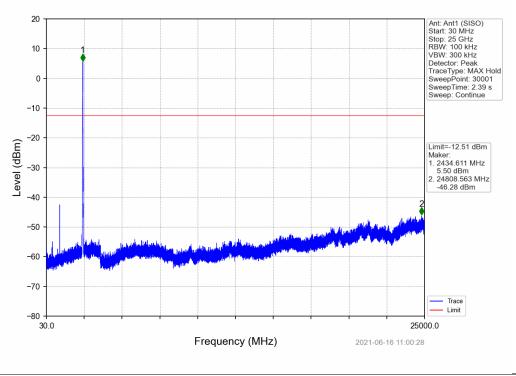
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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



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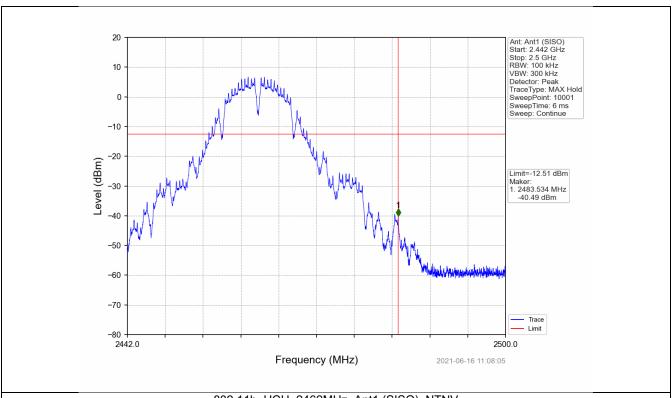
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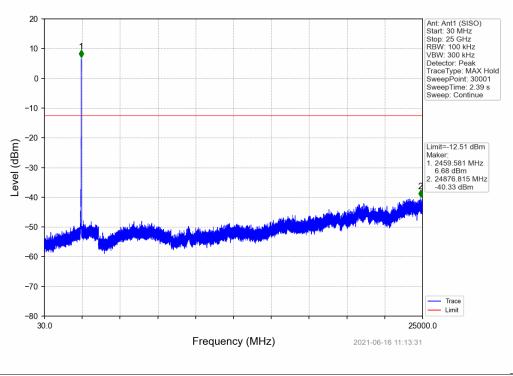
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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11g LCH 2412MHz Ant1 (SISO) NTNV

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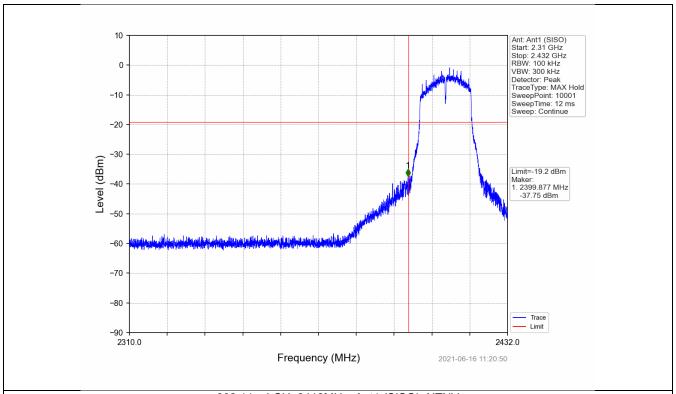
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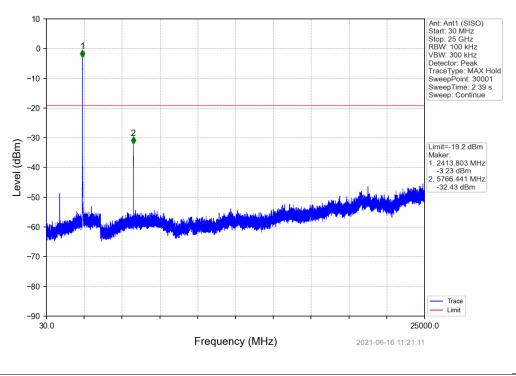
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802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



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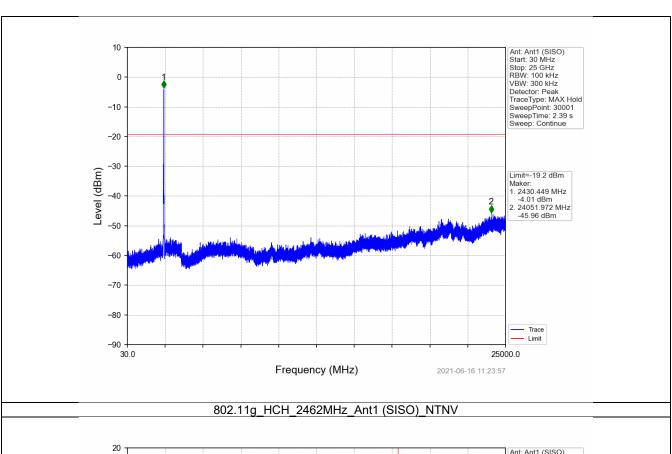
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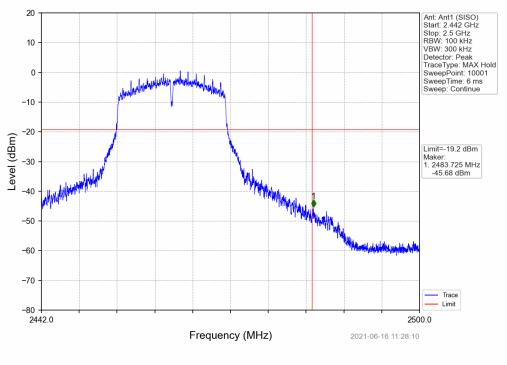
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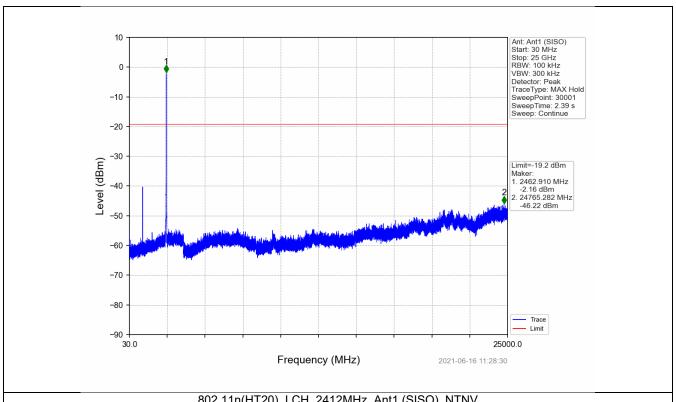
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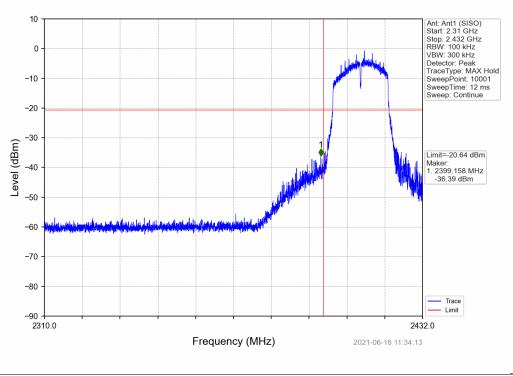
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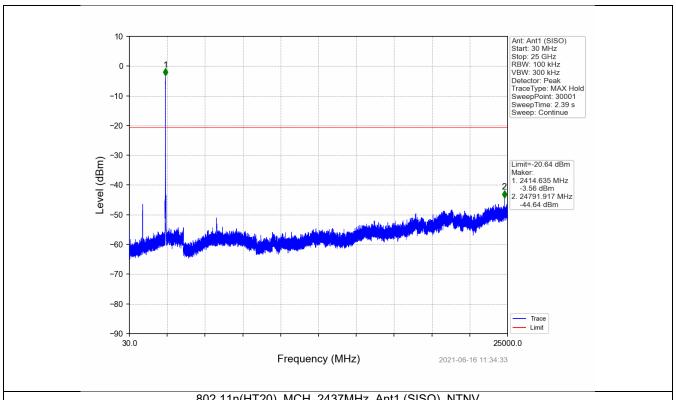
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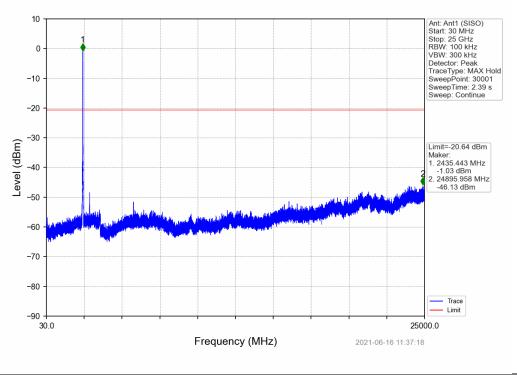
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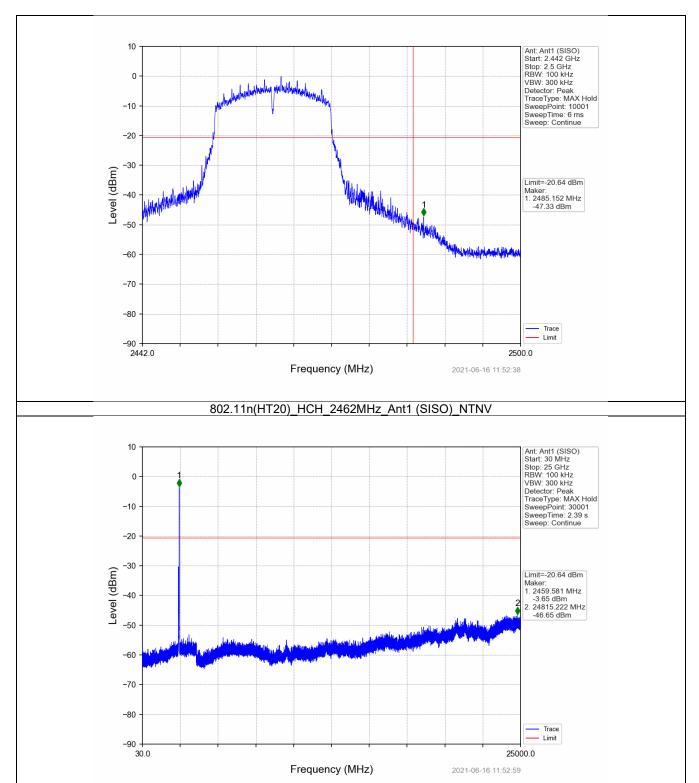
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