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2. Bandwidth

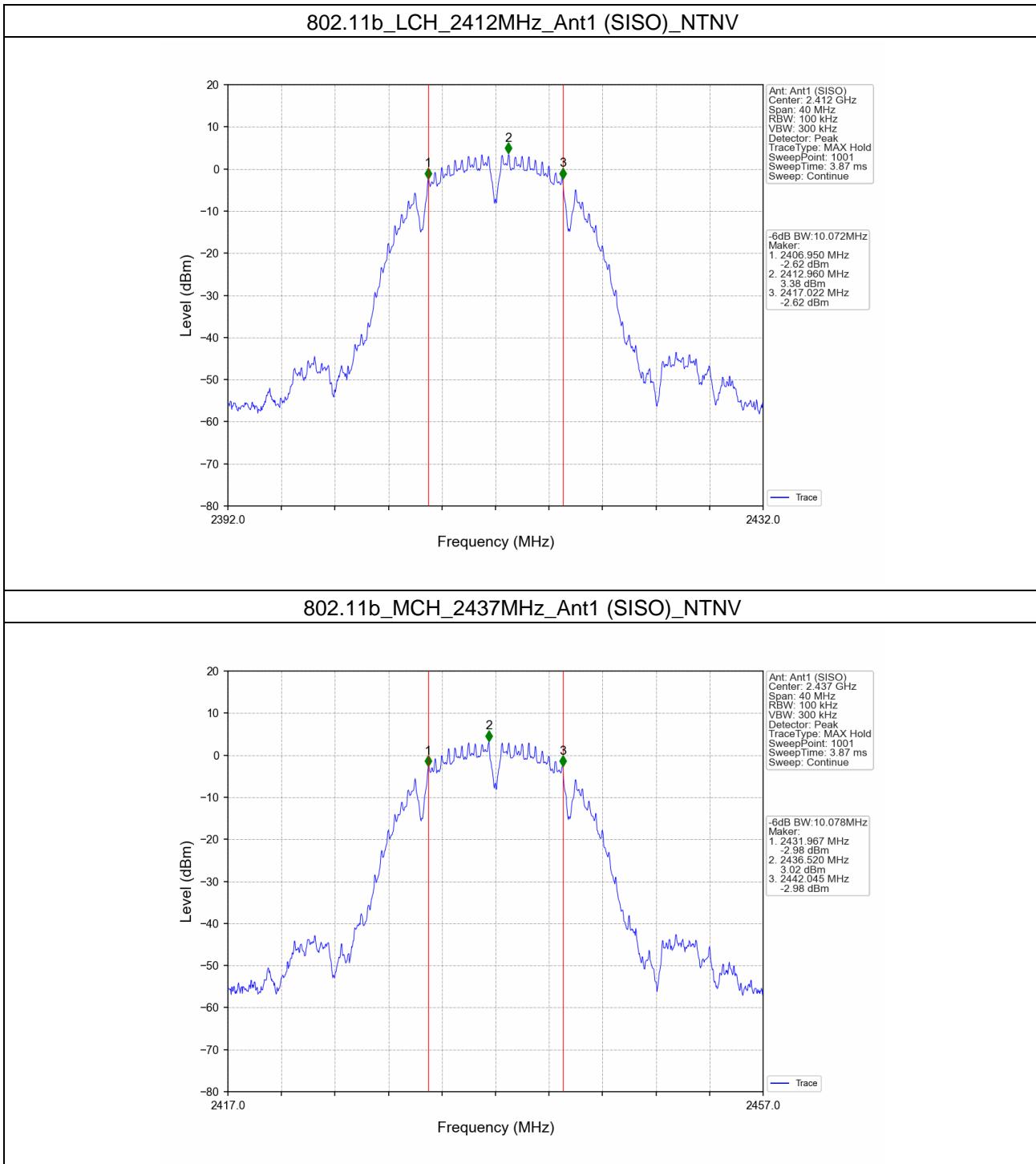
2.1 6dB BW

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	10.072	>=0.5	Pass
		2437	1	10.078	>=0.5	Pass
		2462	1	10.077	>=0.5	Pass
802.11g	SISO	2412	1	15.149	>=0.5	Pass
		2437	1	15.142	>=0.5	Pass
		2462	1	15.136	>=0.5	Pass
802.11n (HT20)	MIMO	2412	1	15.149	>=0.5	Pass
		2437	1	15.148	>=0.5	Pass
		2462	1	15.141	>=0.5	Pass
802.11n (HT40)	MIMO	2422	1	33.856	>=0.5	Pass
		2437	1	33.864	>=0.5	Pass
		2452	1	33.869	>=0.5	Pass



2.2.2 Test Graph

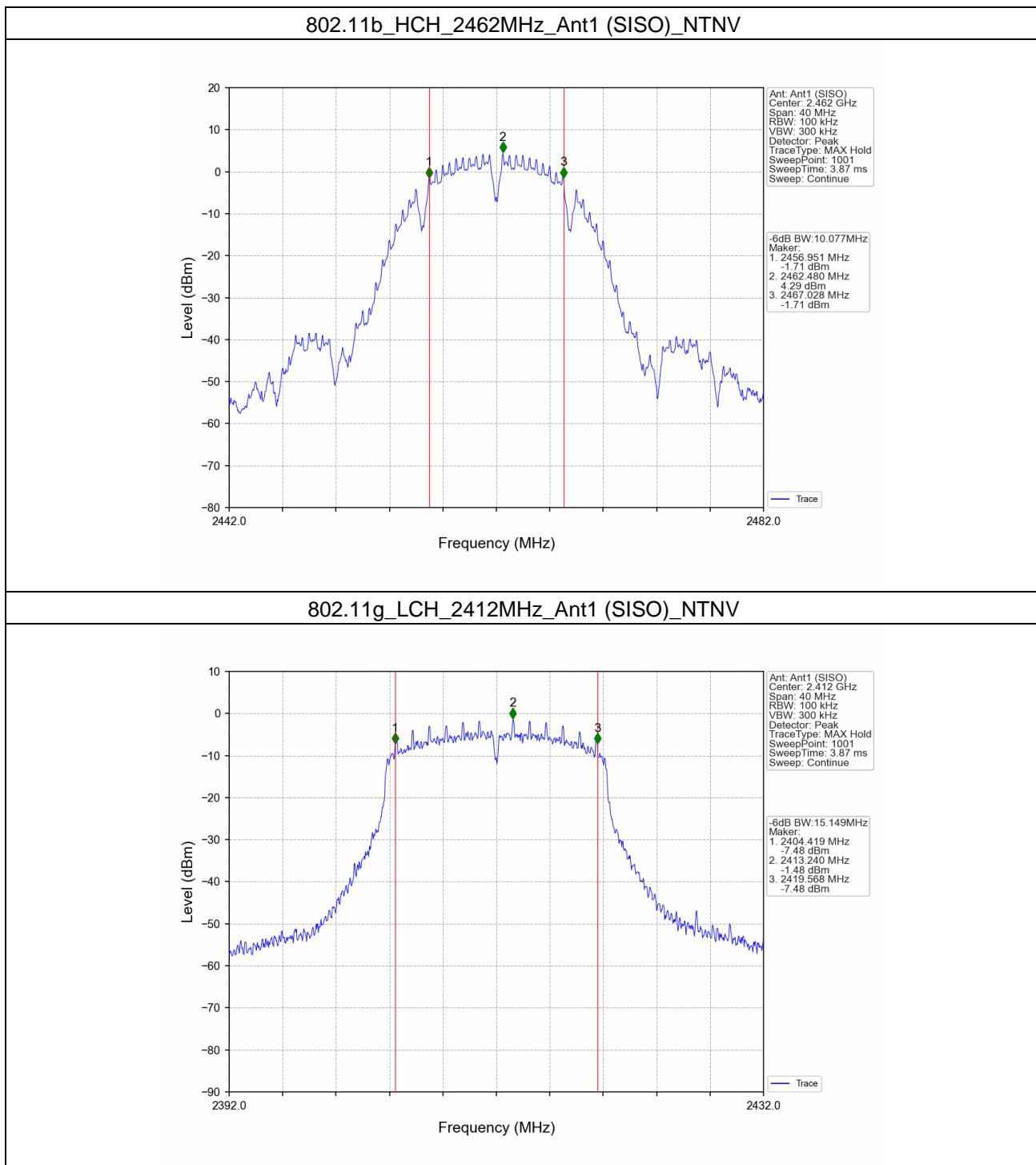


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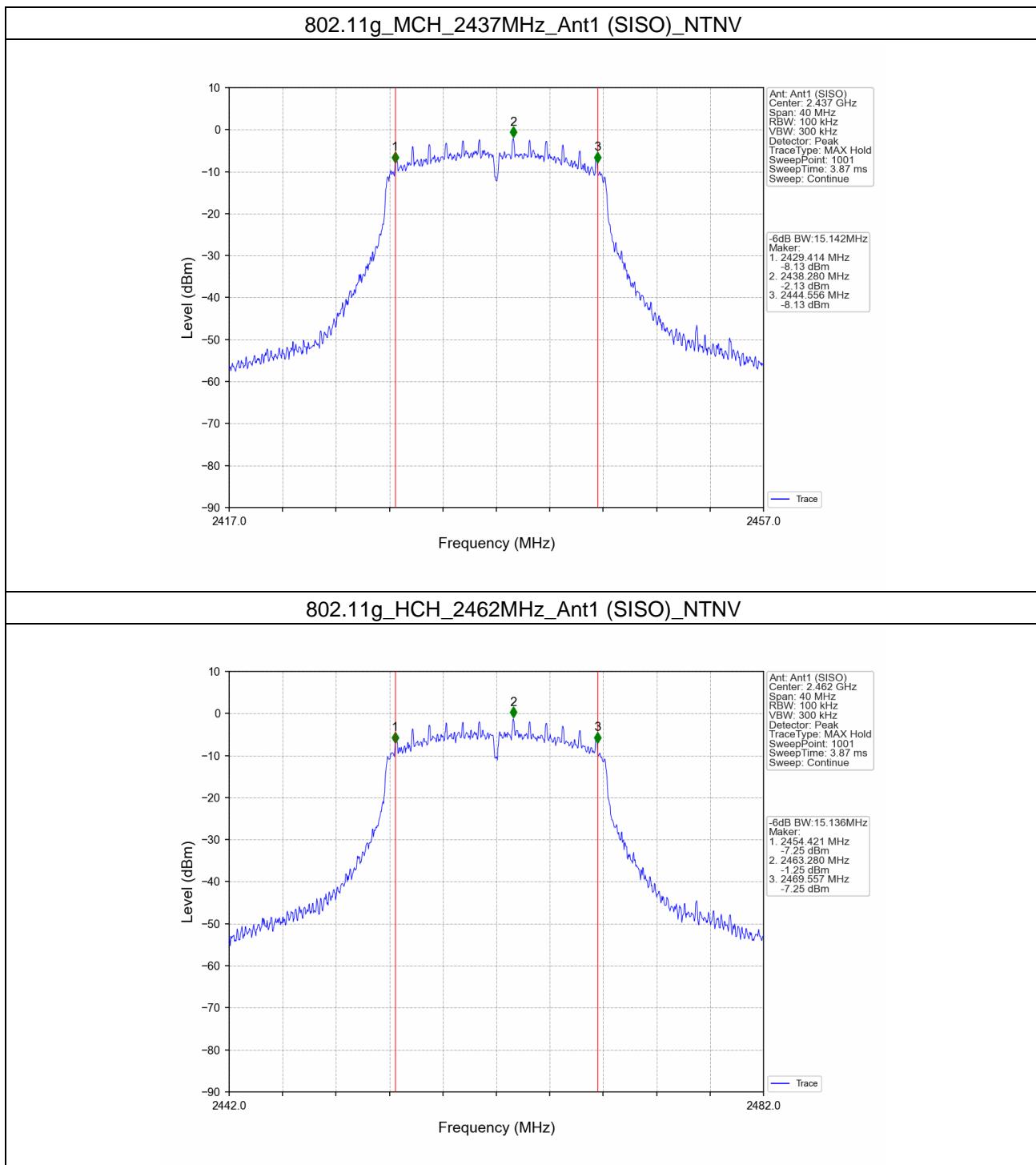
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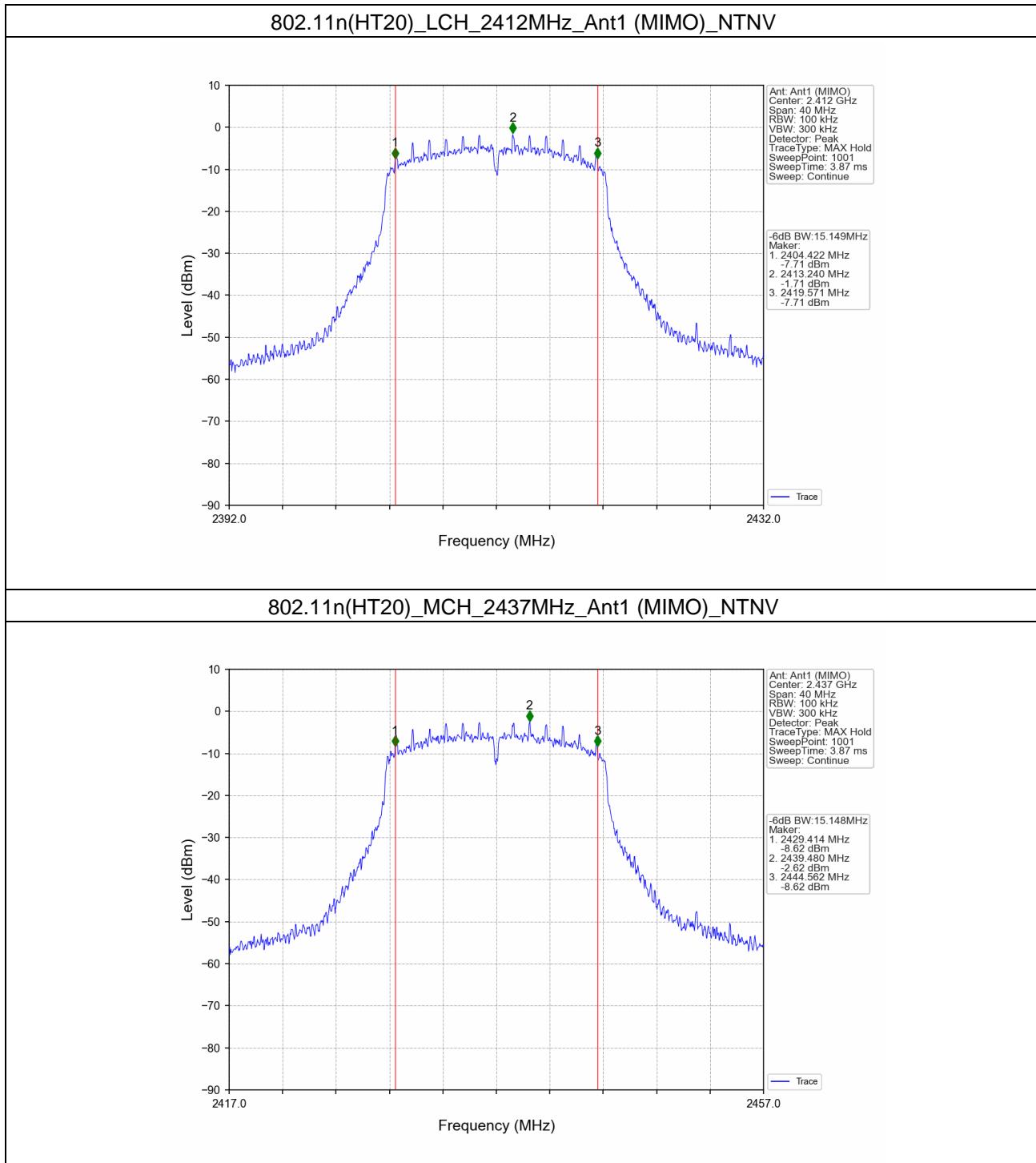




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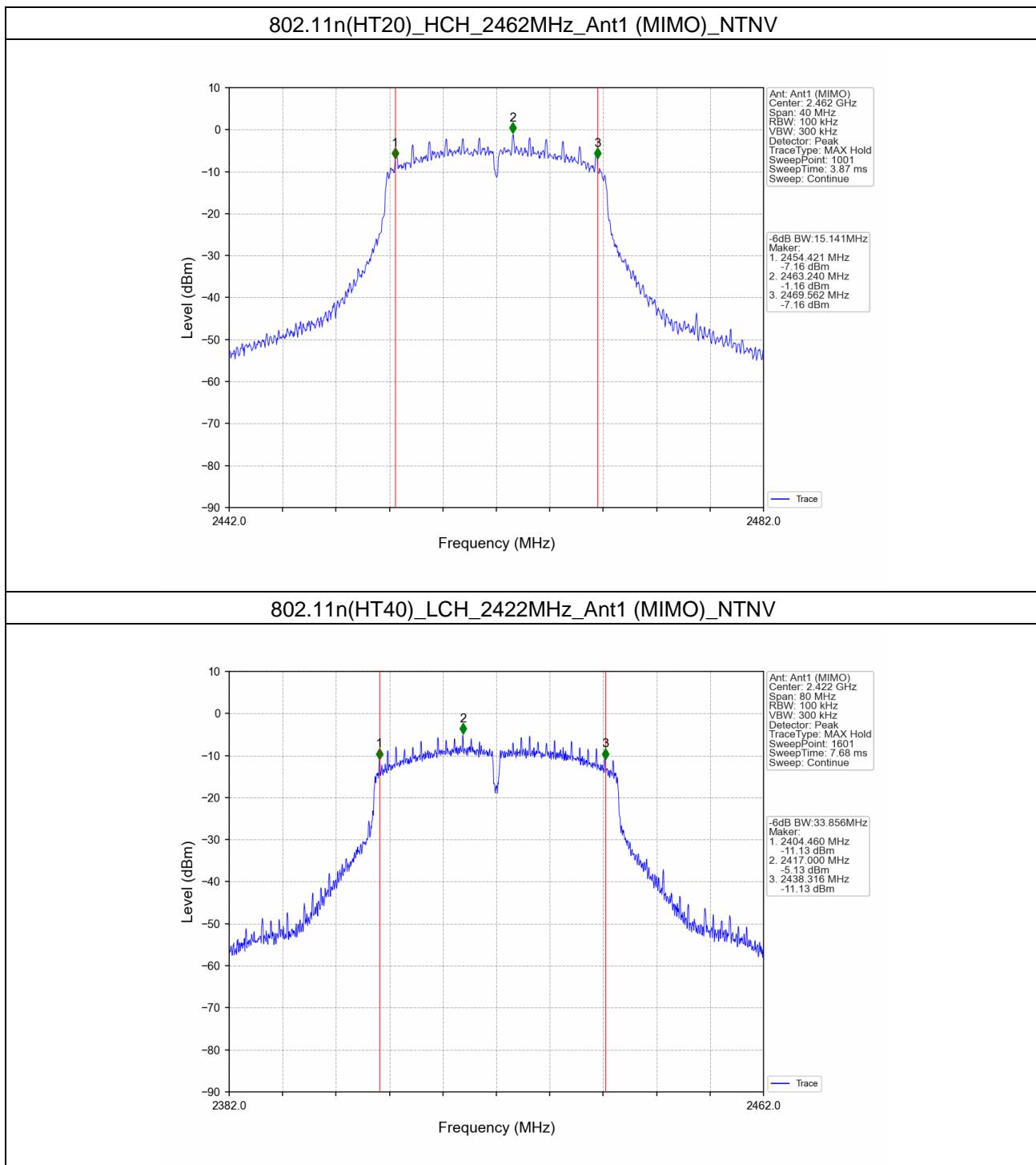




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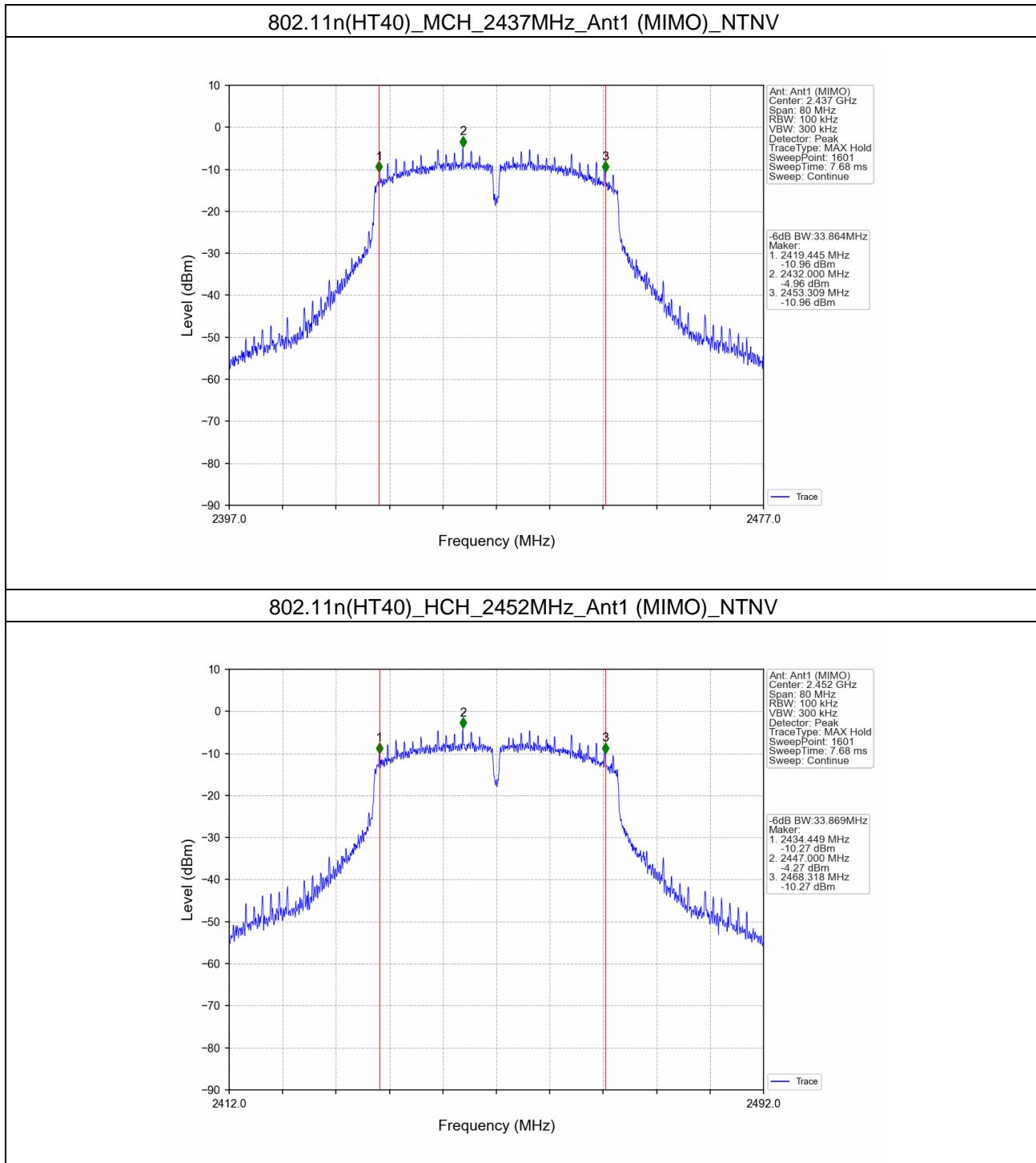




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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	15.13	15.29	/	<=30	Pass
		2437	15.02	15.94	/	<=30	Pass
		2462	15.87	17.00	/	<=30	Pass
802.11g	SISO	2412	16.06	15.65	/	<=30	Pass
		2437	15.49	16.49	/	<=30	Pass
		2462	16.23	17.72	/	<=30	Pass
802.11n (HT20)	MIMO	2412	16.06	15.71	18.90	<=29	Pass
		2437	15.48	16.47	19.01	<=29	Pass
		2462	16.20	17.71	20.03	<=29	Pass
802.11n (HT40)	MIMO	2422	15.79	15.73	18.77	<=29	Pass
		2437	15.90	16.68	19.32	<=29	Pass
		2452	16.60	16.95	19.79	<=29	Pass

Note1: Antenna Gain: Ant1: 5.00dBi; Ant2: 5.00dBi;

Note2: Directional Gain: 8.01dBi

The directional gain is 8.01 dBi, which exceed 6dBi 2.01 dB, the total power limit will be reduced by 1 dB for MIMO.

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4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	-10.81	-11.47	/	<=8	Pass
		2437	-11.39	-9.87	/	<=8	Pass
		2462	-10.54	-9.09	/	<=8	Pass
802.11g	SISO	2412	-15.84	-16.70	/	<=8	Pass
		2437	-17.43	-16.64	/	<=8	Pass
		2462	-15.85	-16.16	/	<=8	Pass
802.11n (HT20)	MIMO	2412	-16.92	-16.86	-15.07	<=7	Pass
		2437	-17.01	-16.59	-14.51	<=7	Pass
		2462	-16.91	-15.17	-13.86	<=7	Pass
802.11n (HT40)	MIMO	2422	-17.56	-20.05	-16.57	<=7	Pass
		2437	-17.21	-19.42	-16.01	<=7	Pass
		2452	-19.60	-18.65	-16.39	<=7	Pass

Note1: Antenna Gain: Ant1: 5.00dBi; Ant2: 5.00dBi;

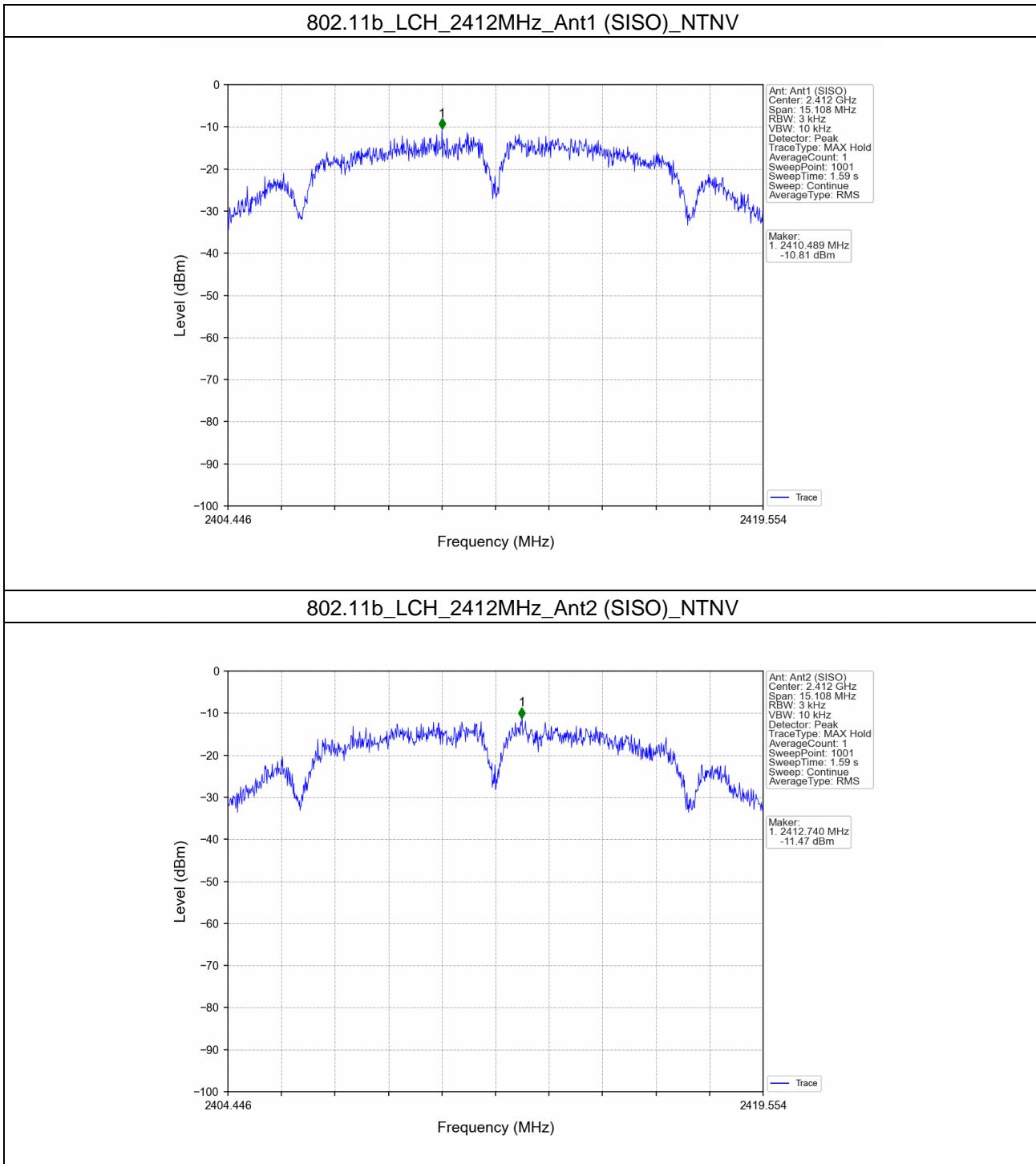
Note2: Directional Gain: 8.01dBi

The directional gain is 8.01 dBi, which exceed 6dBi 2.01 dB, the total power limit will be reduced by 1 dB for MIMO.

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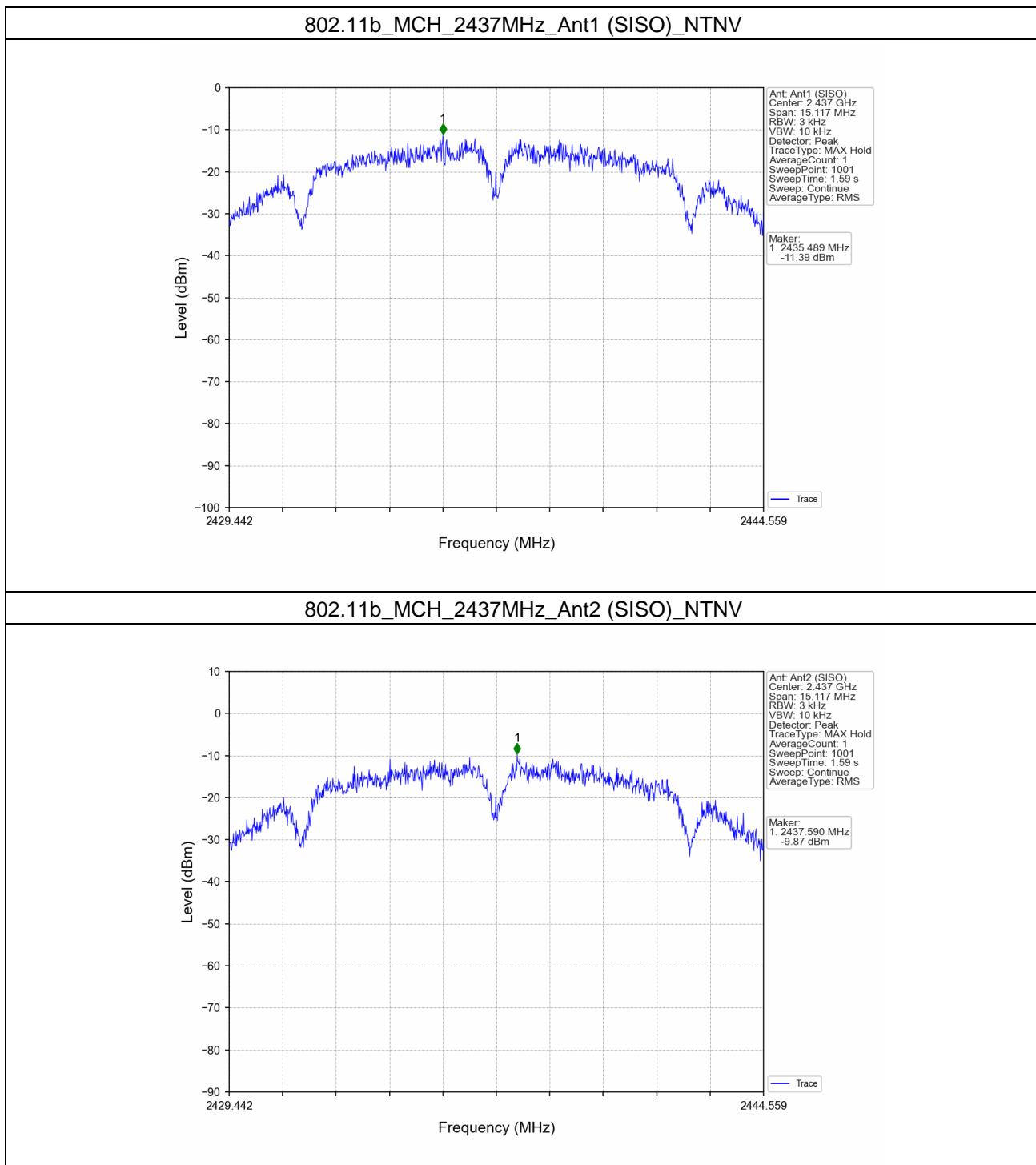
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4.1.2 Test Graph



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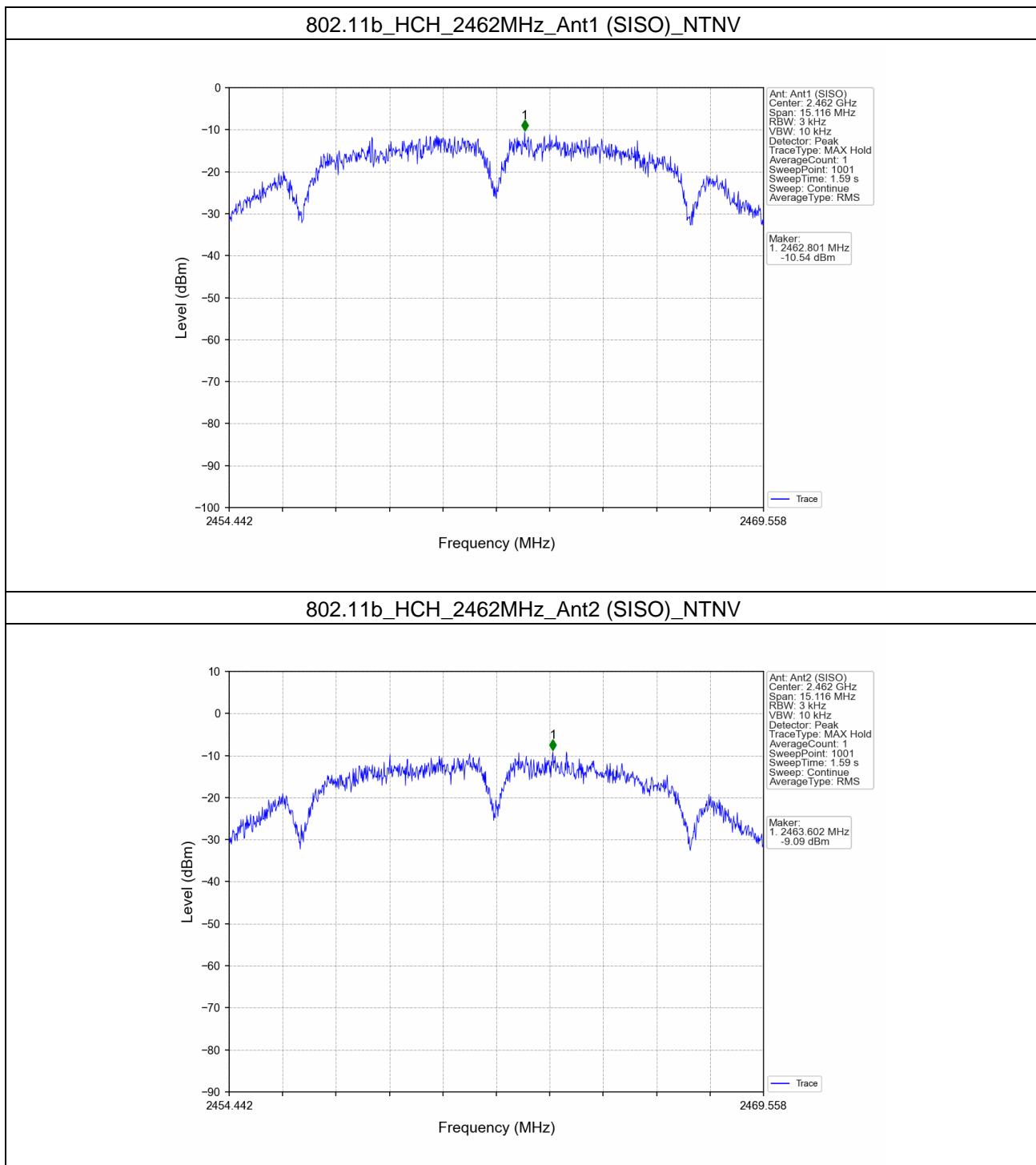


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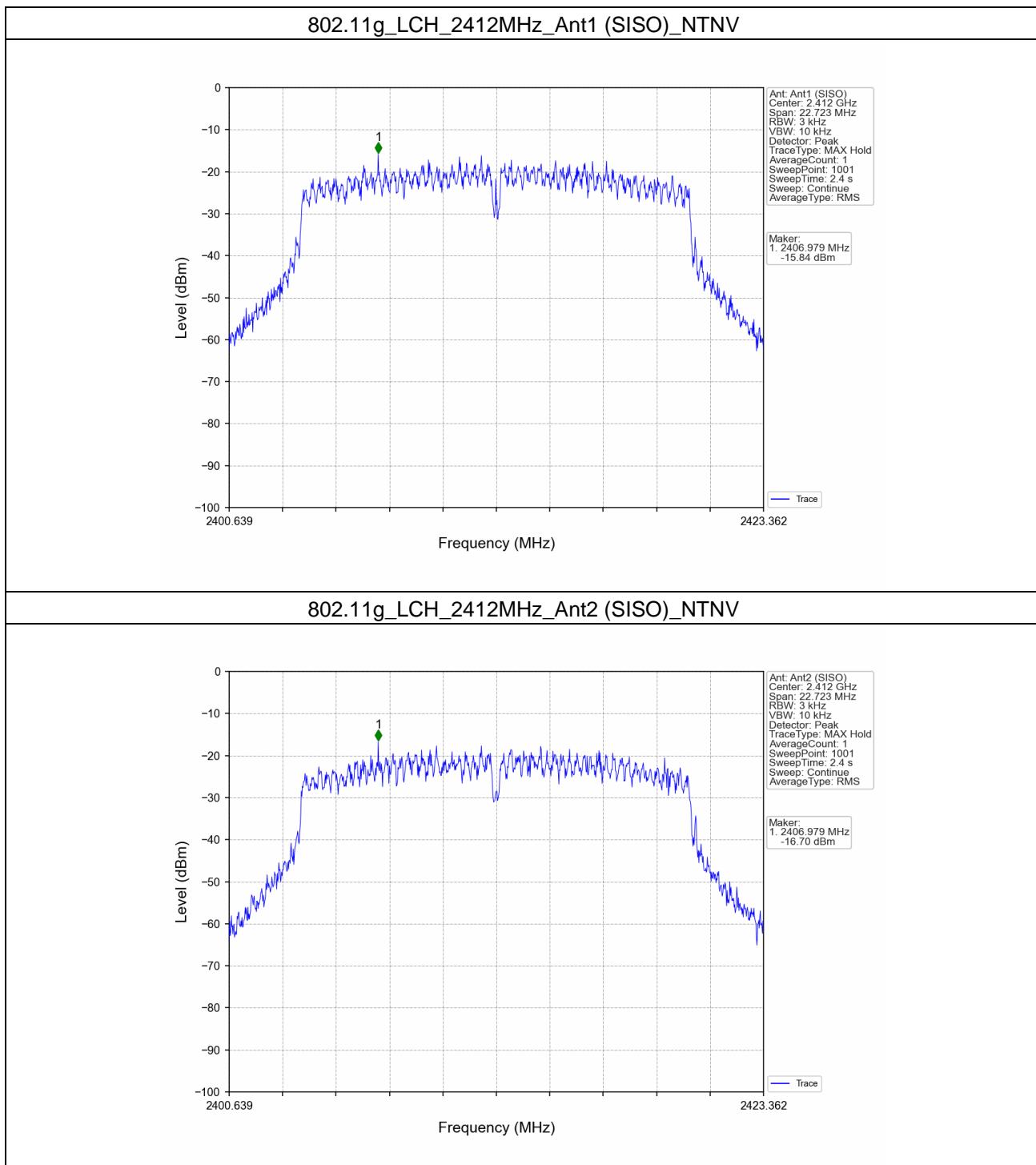
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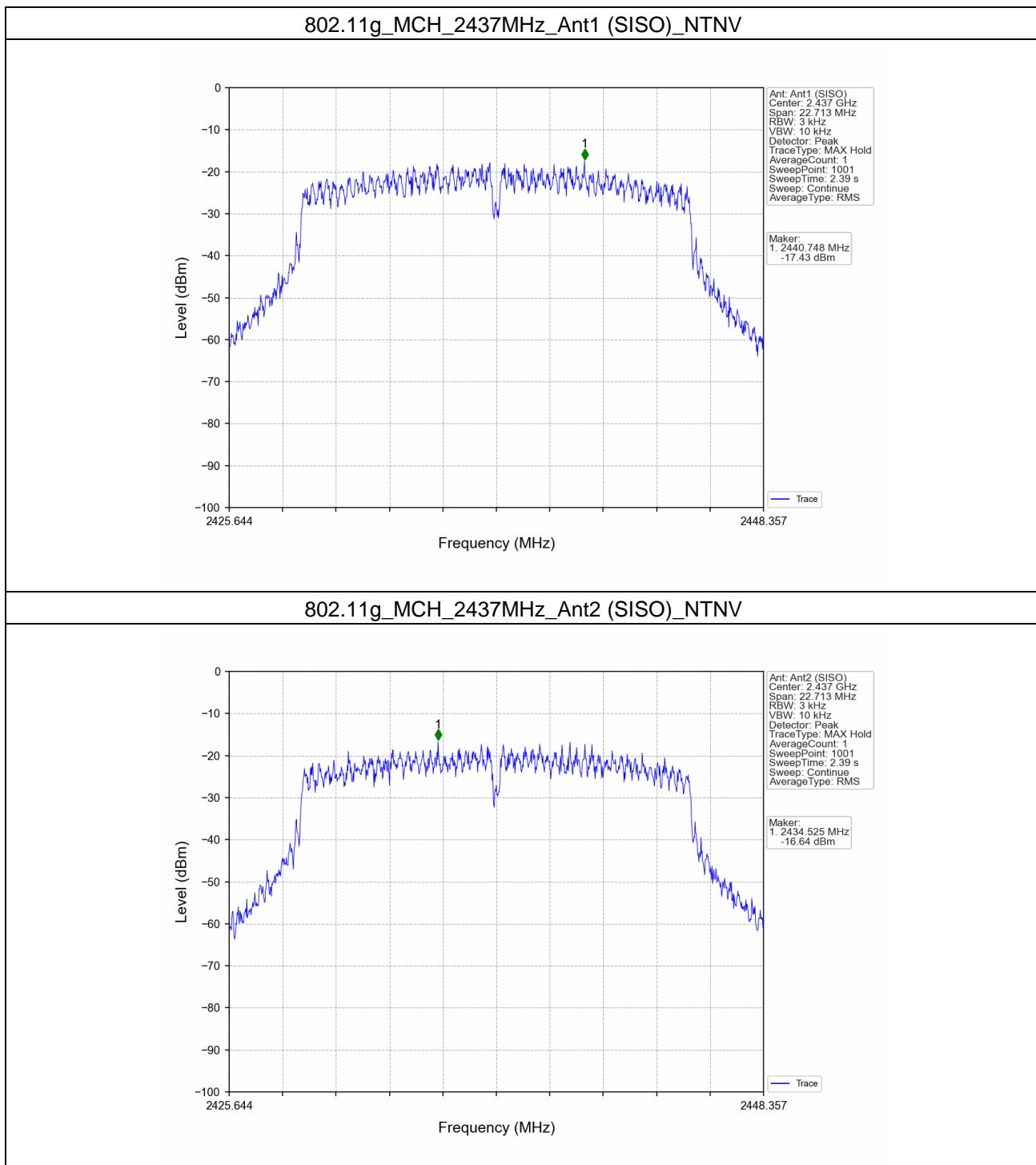




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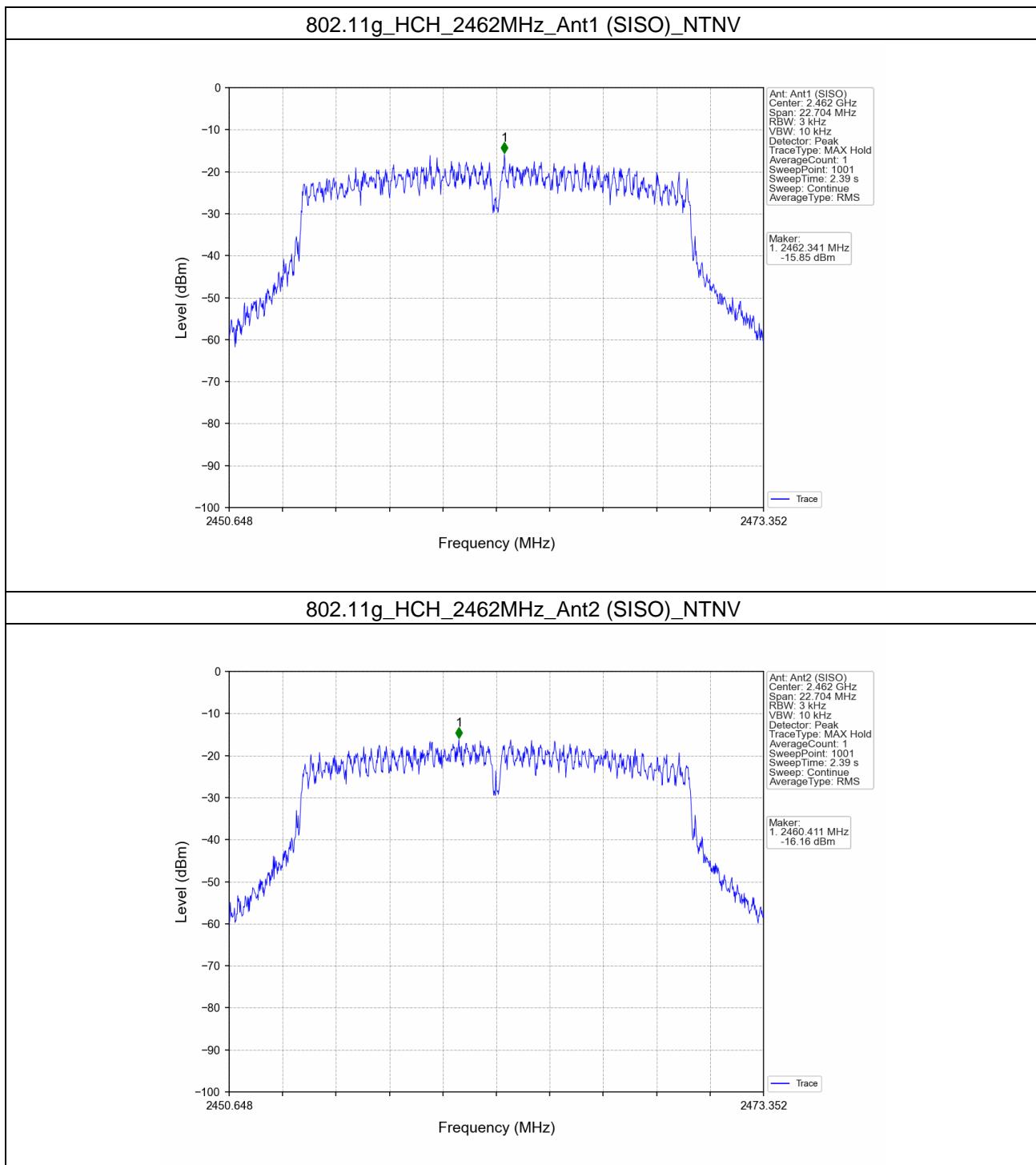
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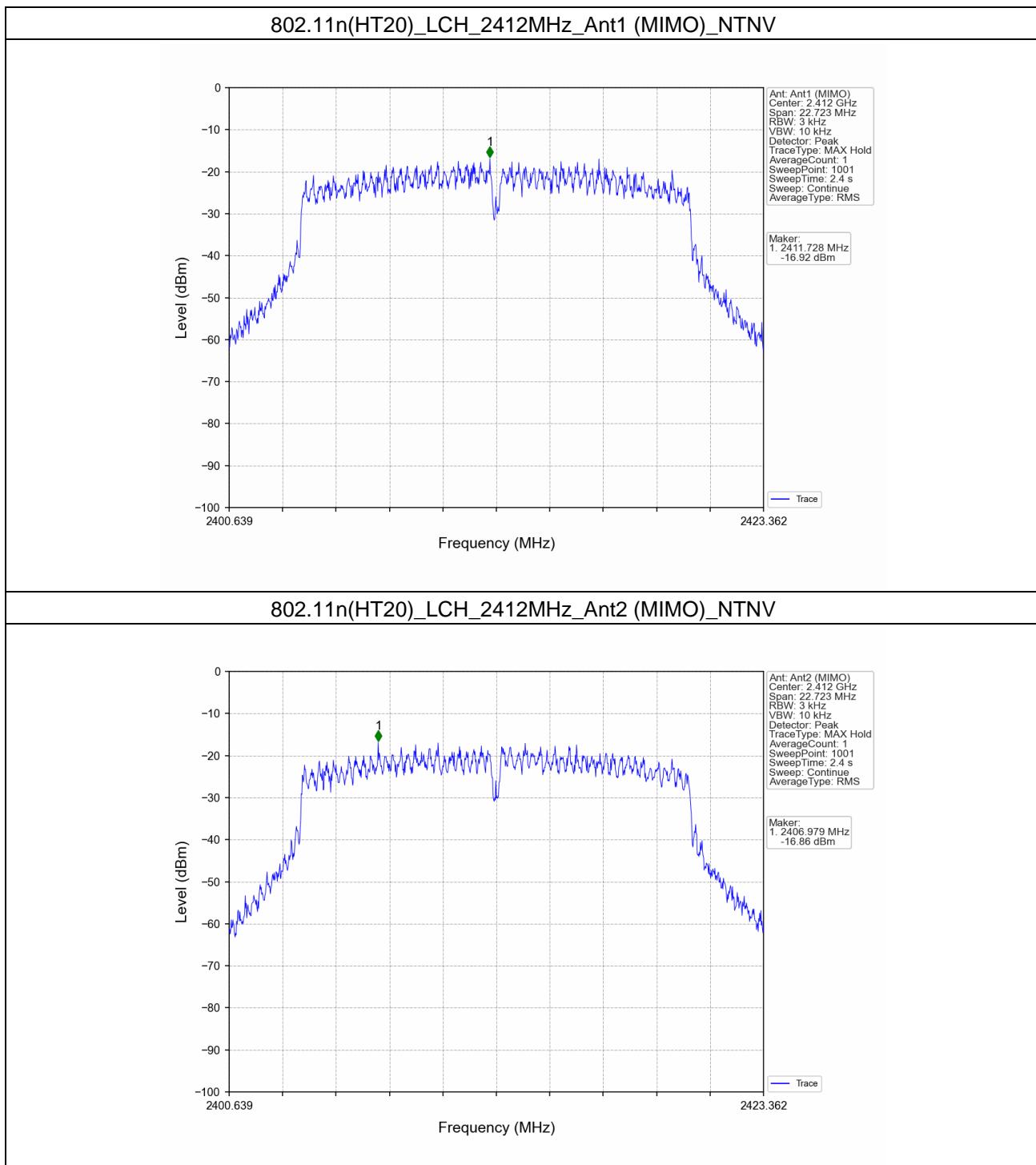
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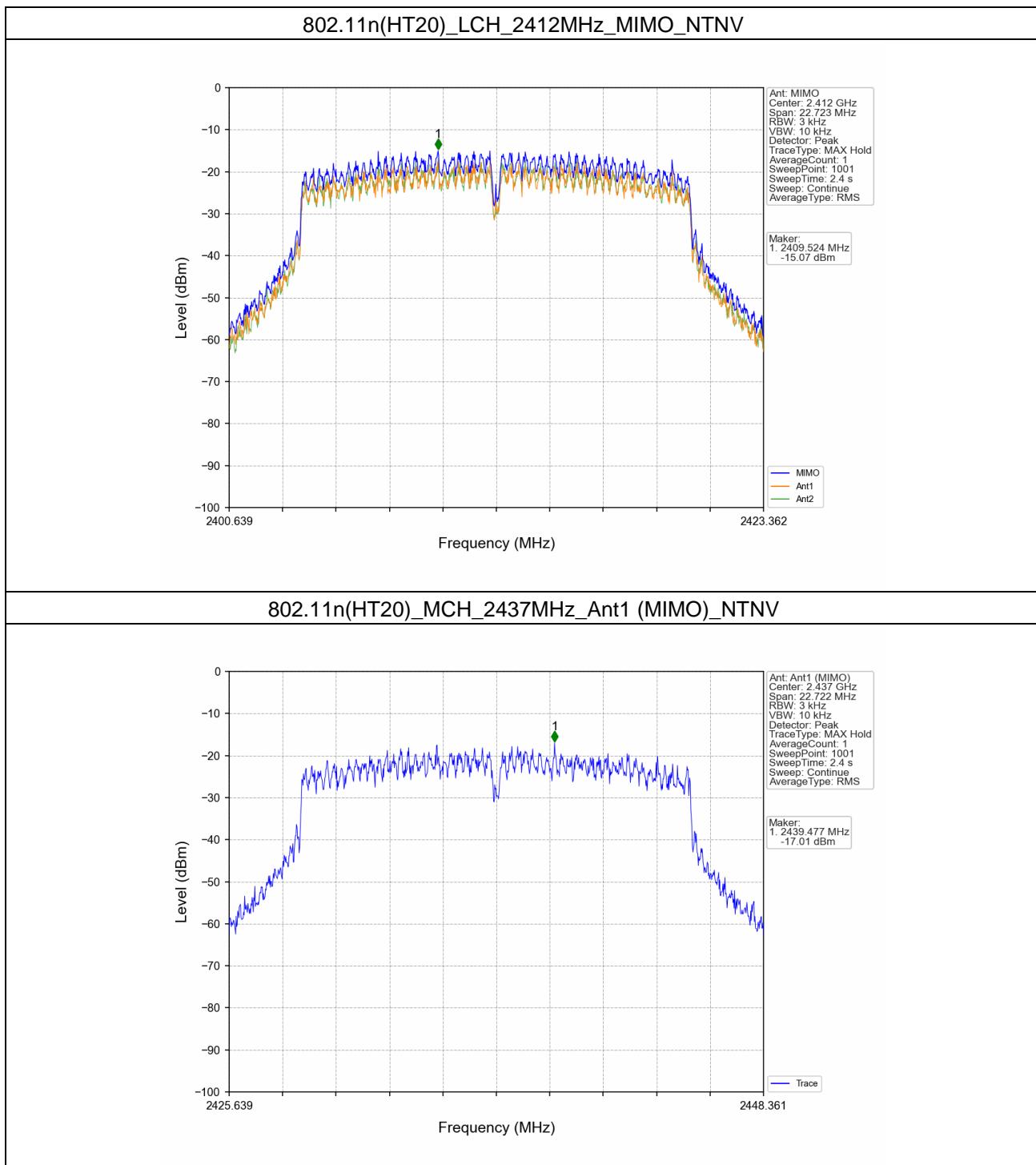




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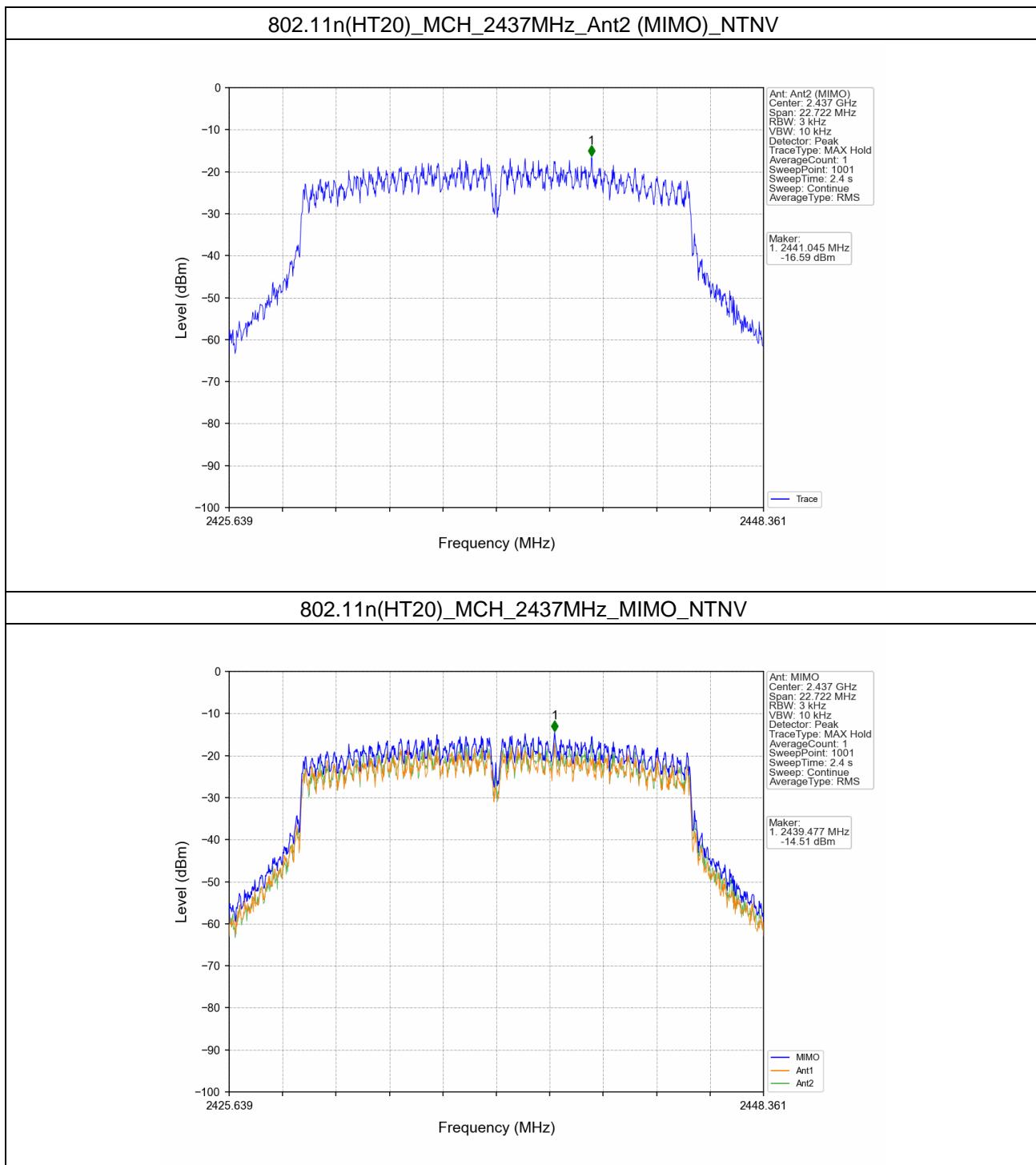




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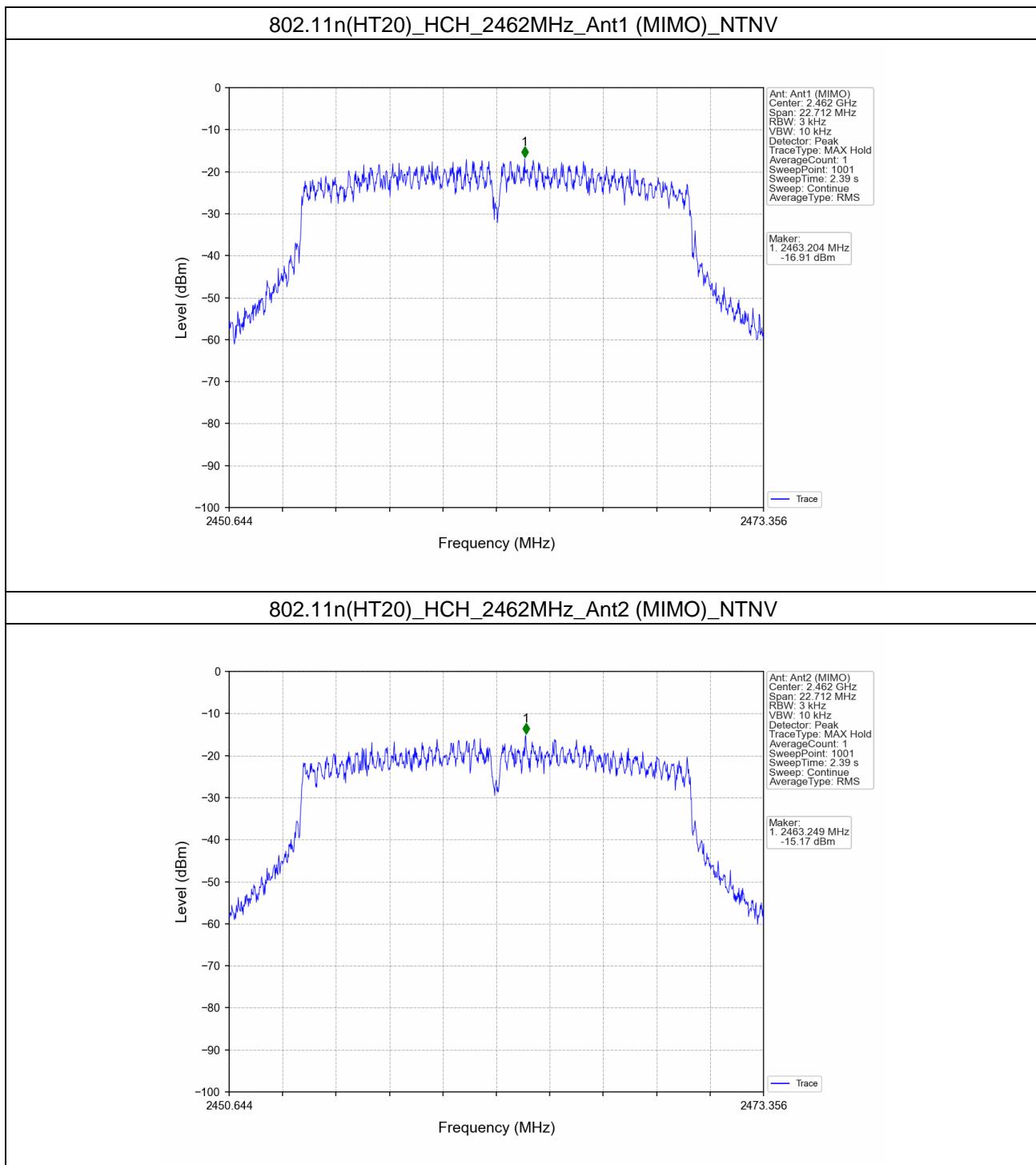




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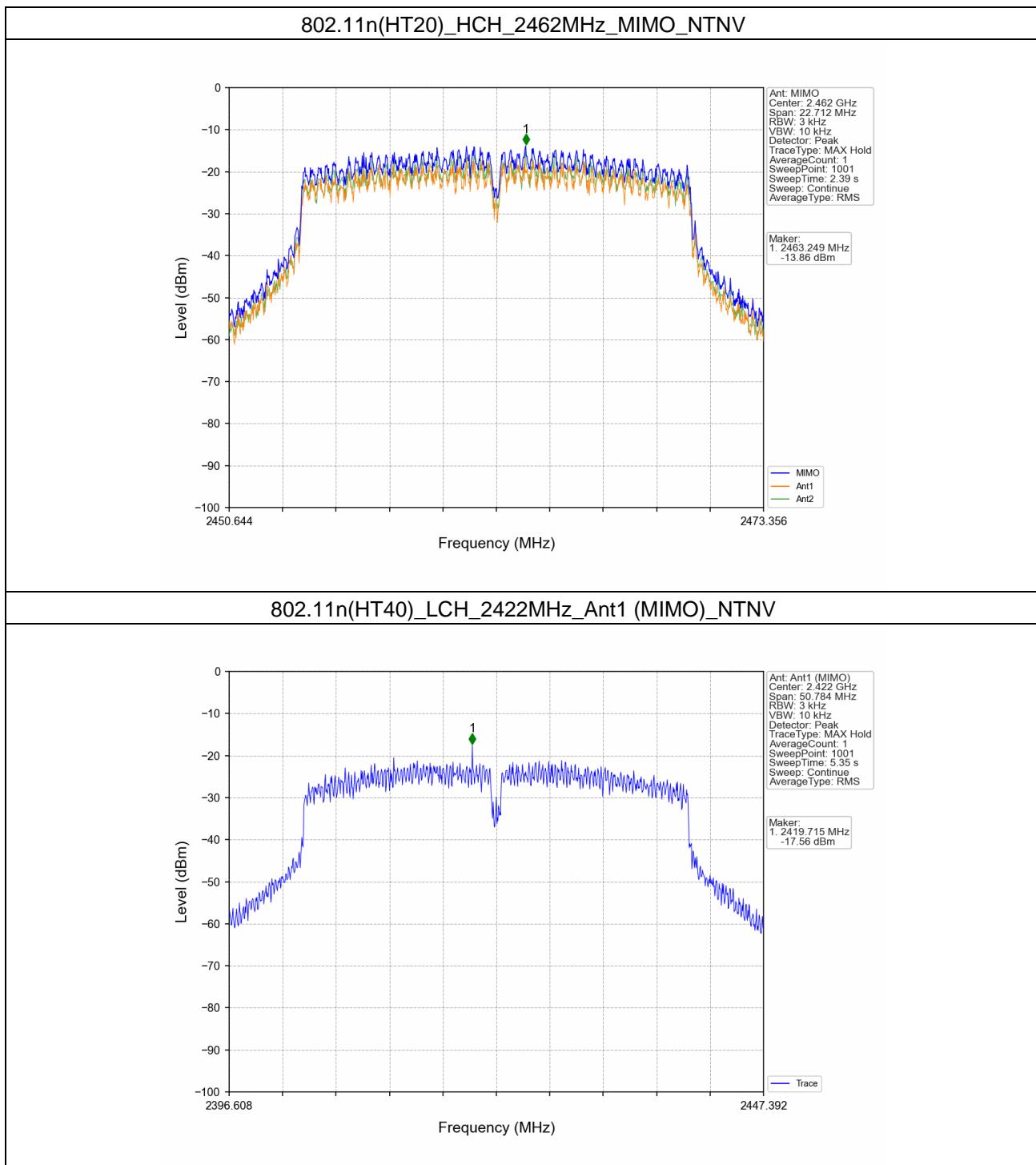


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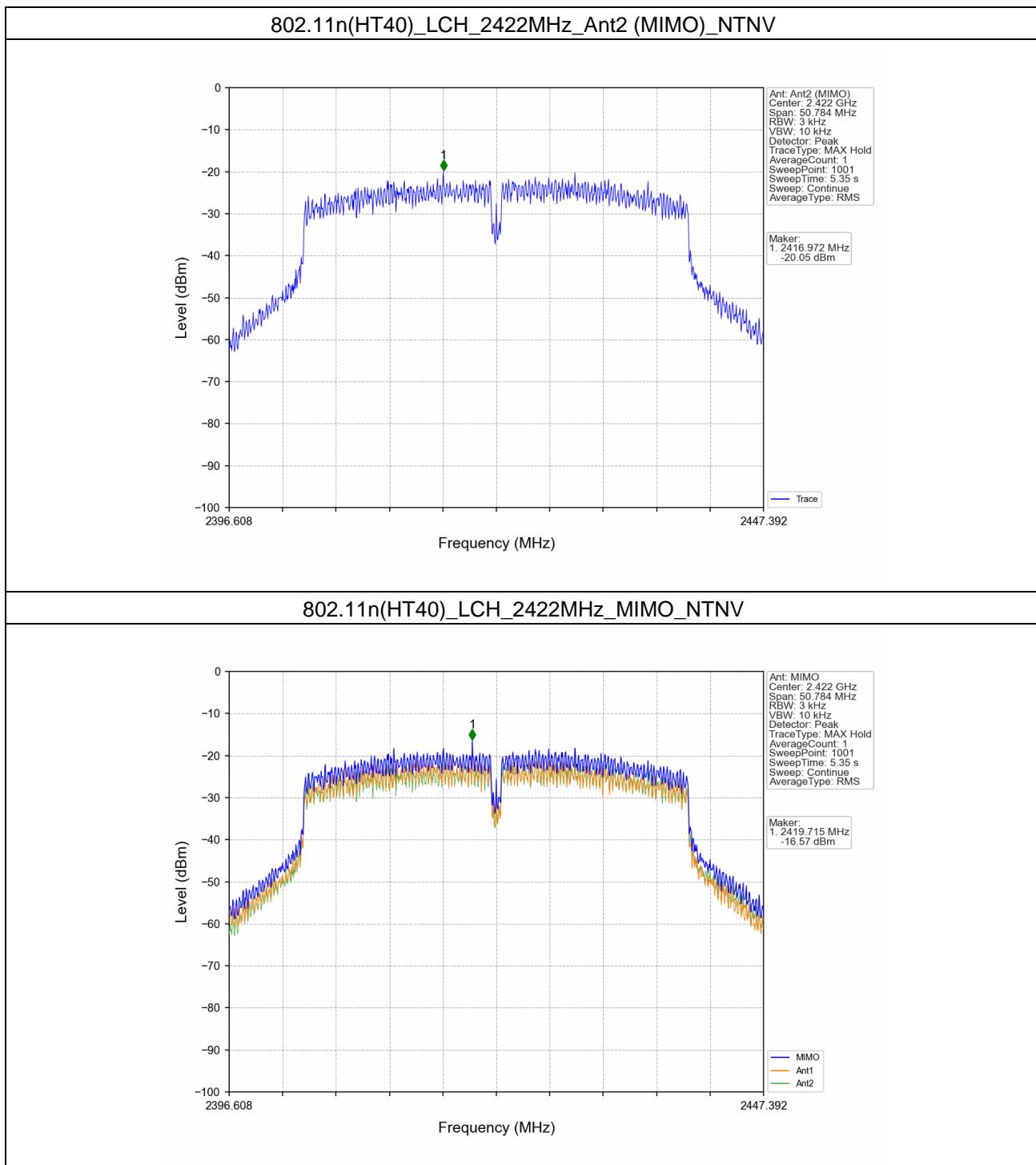
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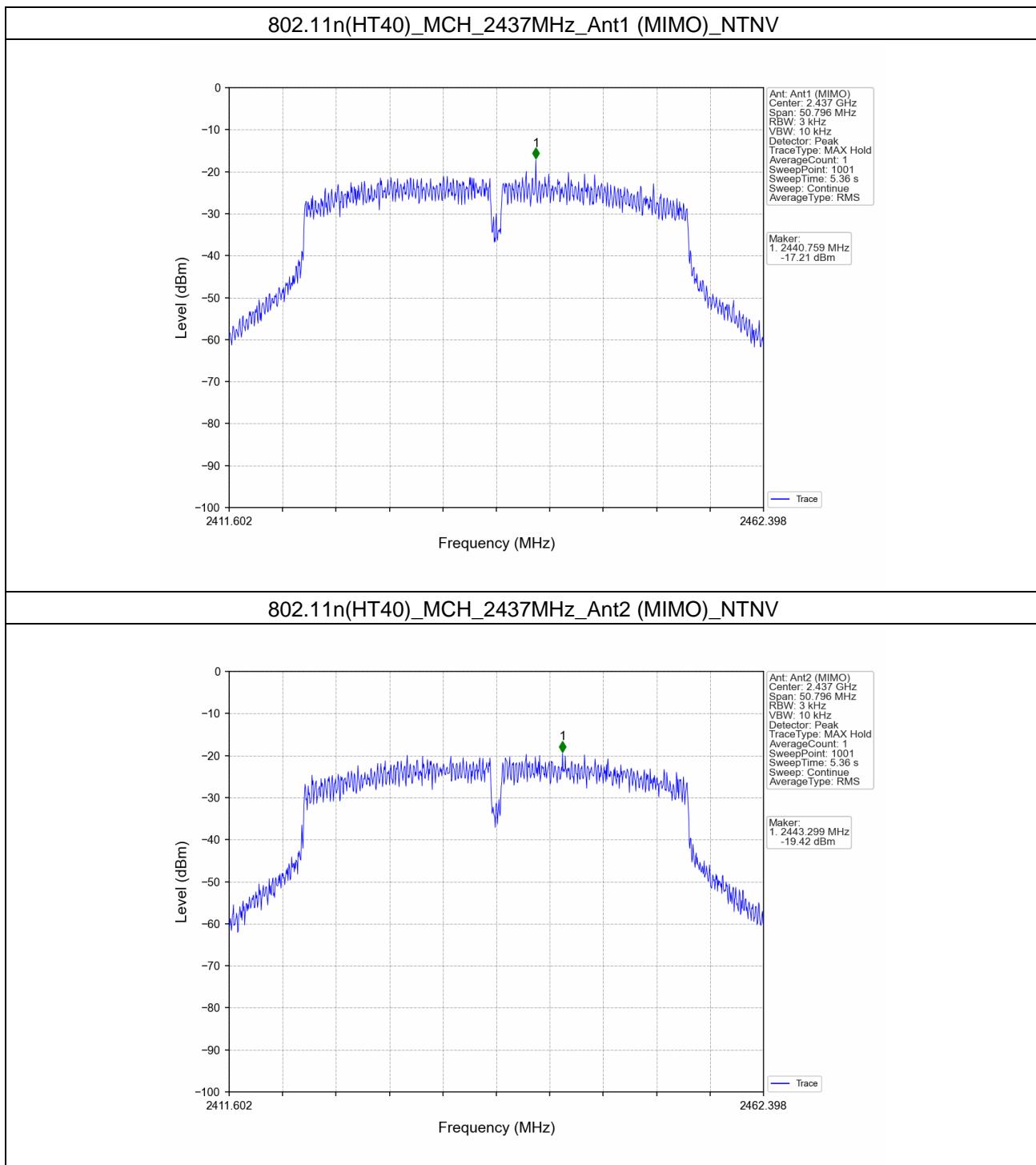


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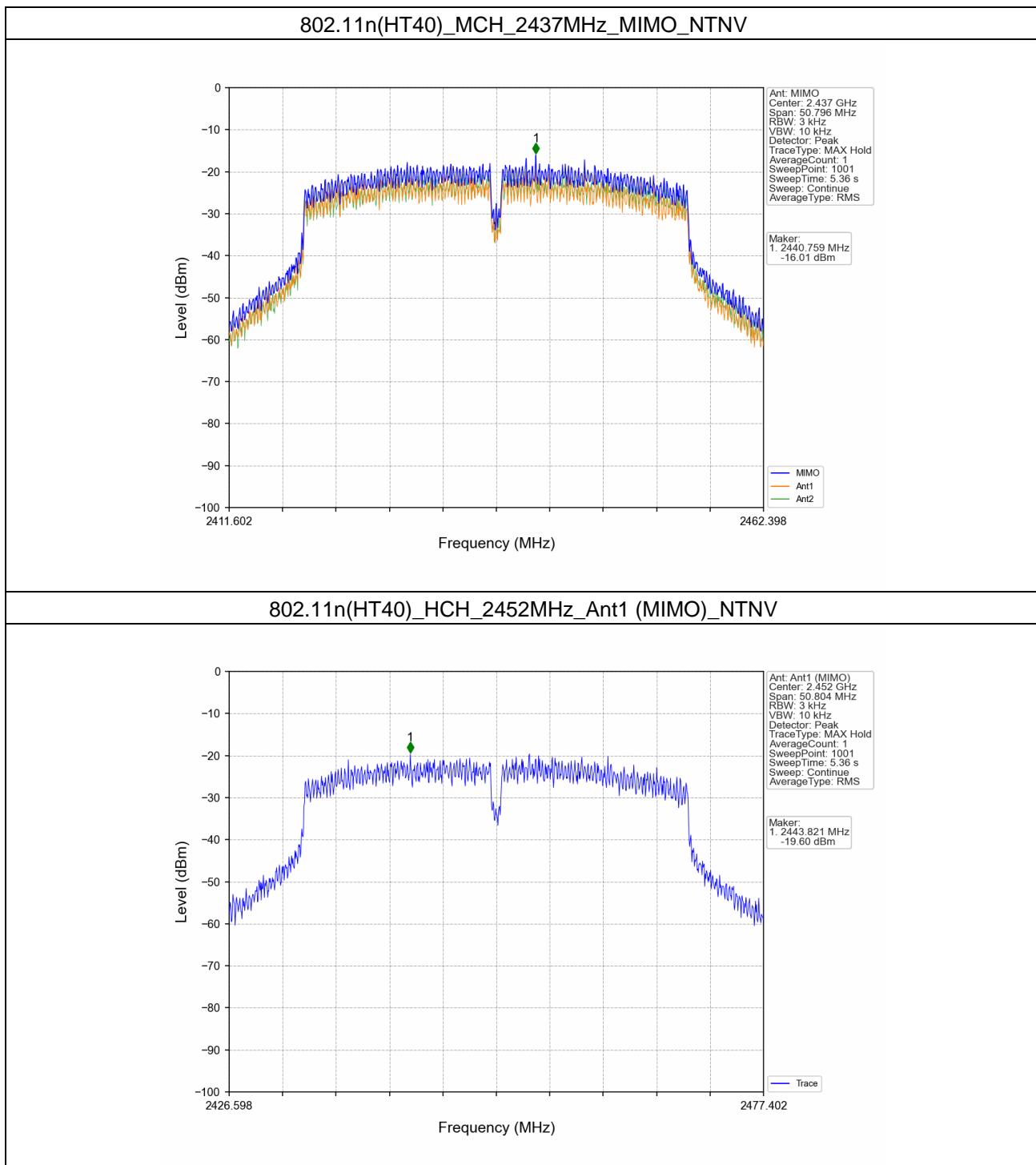


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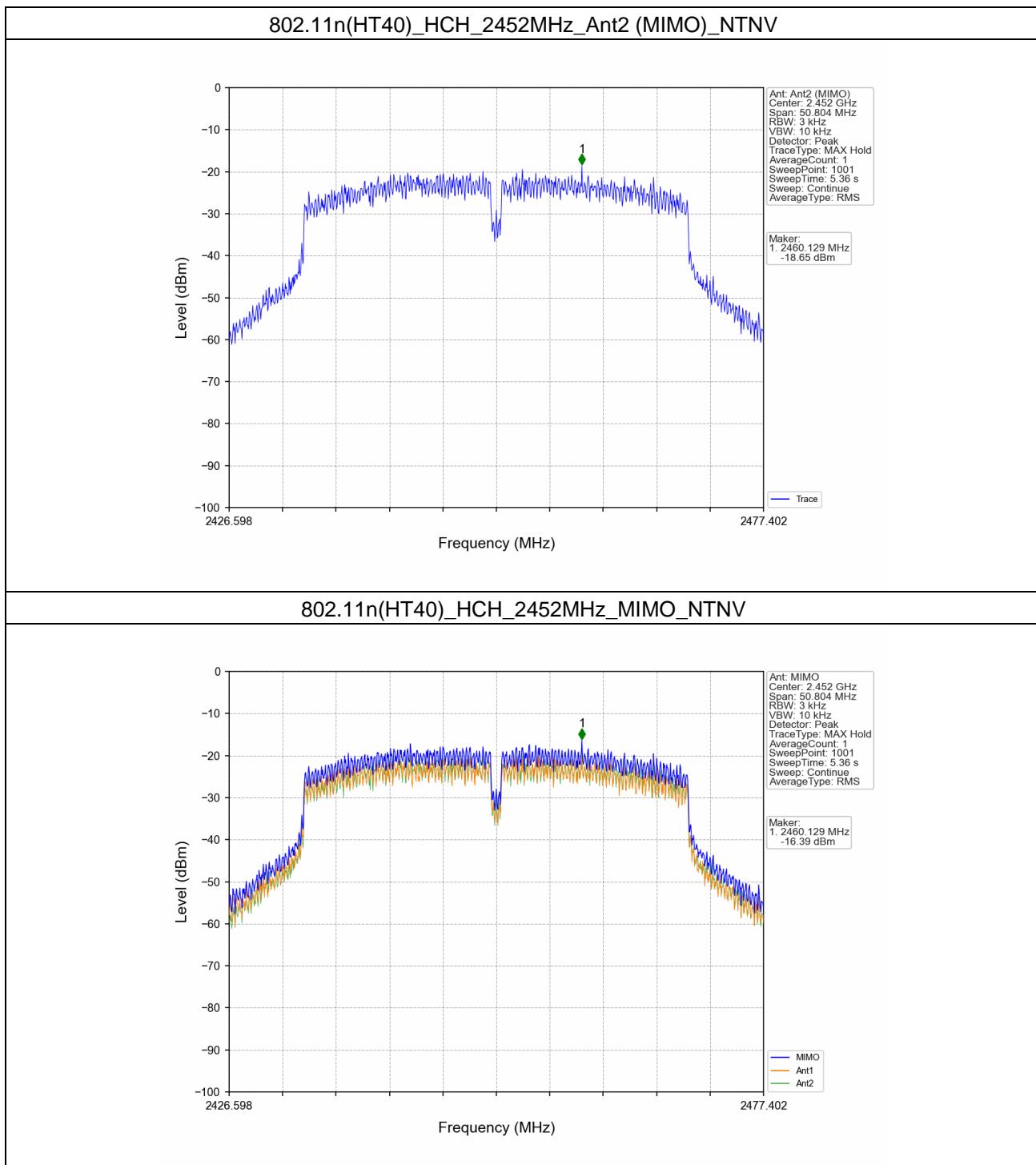
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5. Unwanted Emissions In Non-restricted Frequency Bands**5.1 Ref****5.1.1 Test Result**

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	3.57
			2	3.44
		2437	1	3.33
			2	4.38
		2462	1	4.34
			2	5.49
		2412	1	-1.82
			2	-2.28
		2437	1	-2.14
			2	-1.55
802.11n (HT20)	MIMO	2462	1	-1.12
			2	-0.71
		2412	1	-1.78
			2	-2.29
		2437	1	-2.68
			2	-1.46
		2462	1	-1.13
			2	-0.43
802.11n (HT40)	MIMO	2422	1	-5.44
			2	-4.94
		2437	1	-5.03
			2	-4.31
		2452	1	-4.31
			2	-4.00

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.

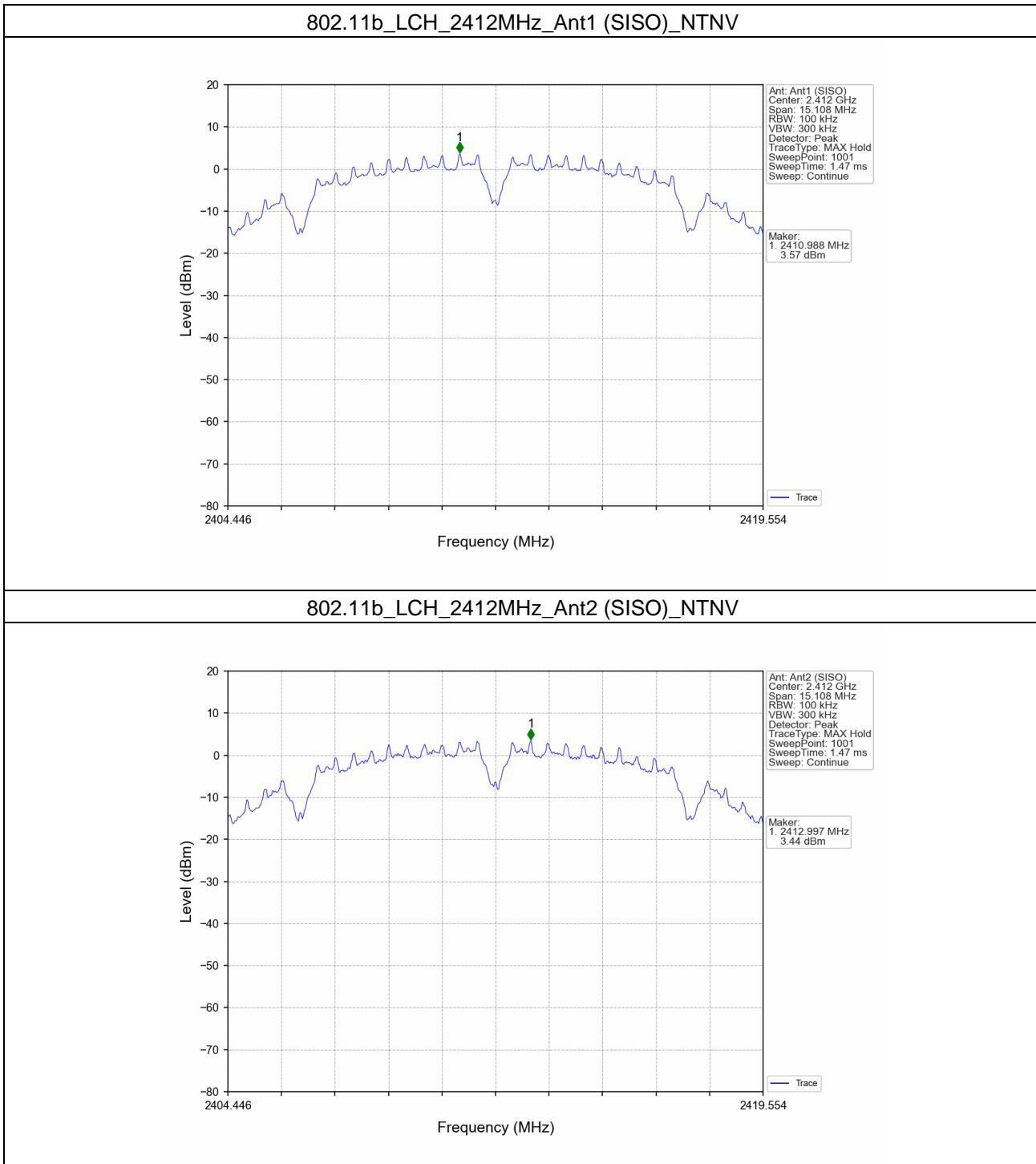
Note2: RBW = 1MHz was used during the pre-test. The final test will be performed at RBW=100kHz while the margin is less than 3dB.

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5.1.2 Test Graph



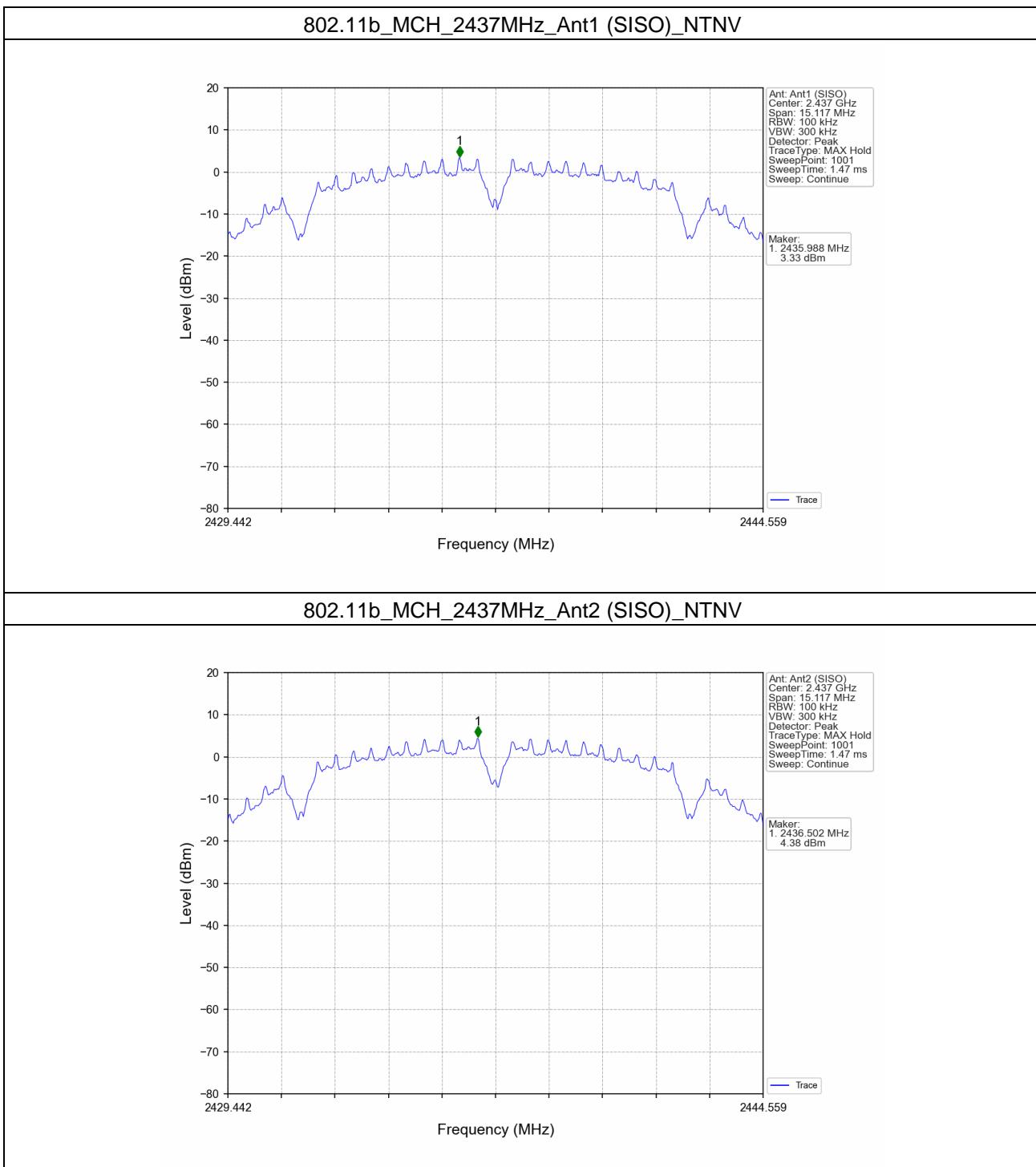
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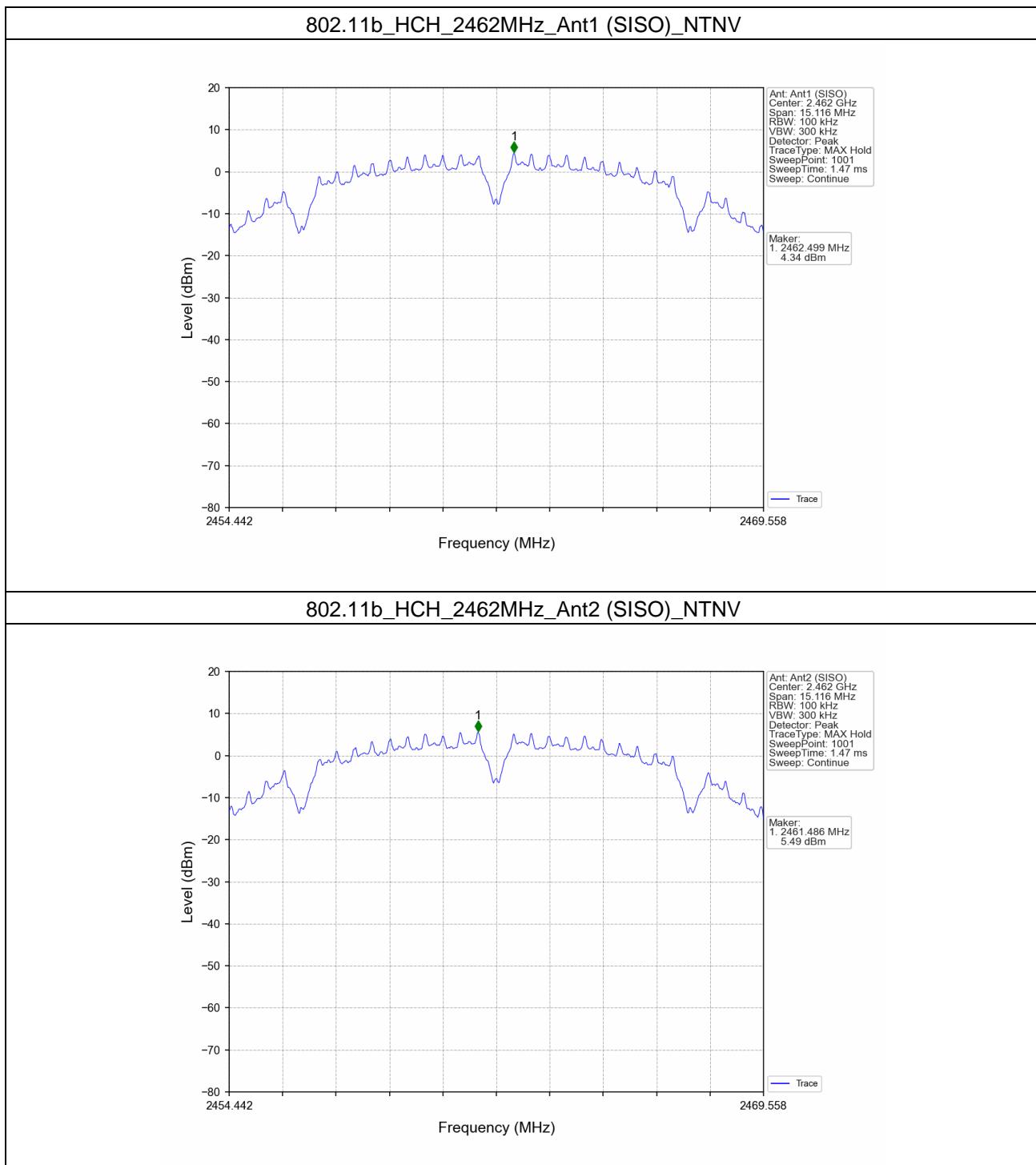
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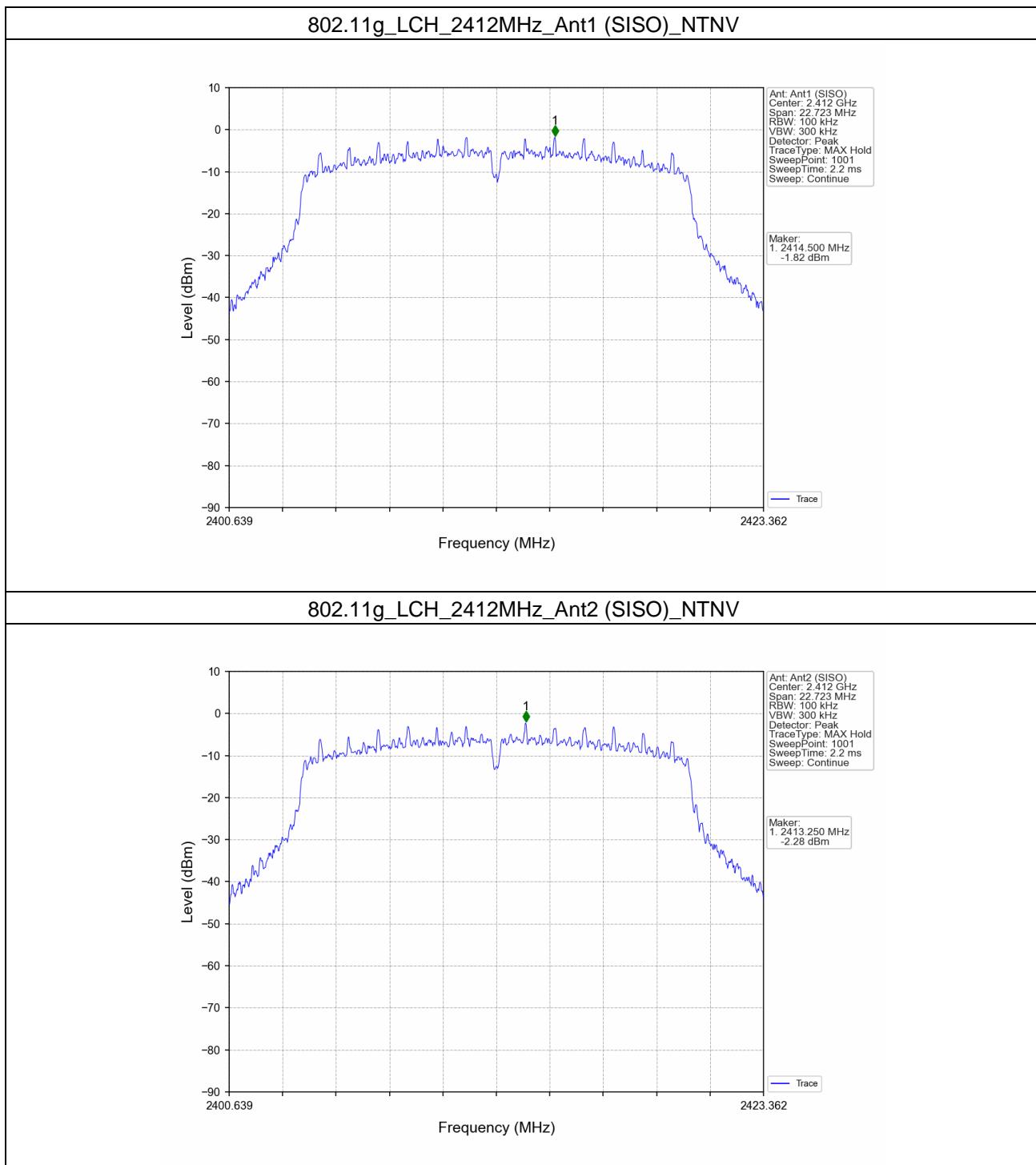


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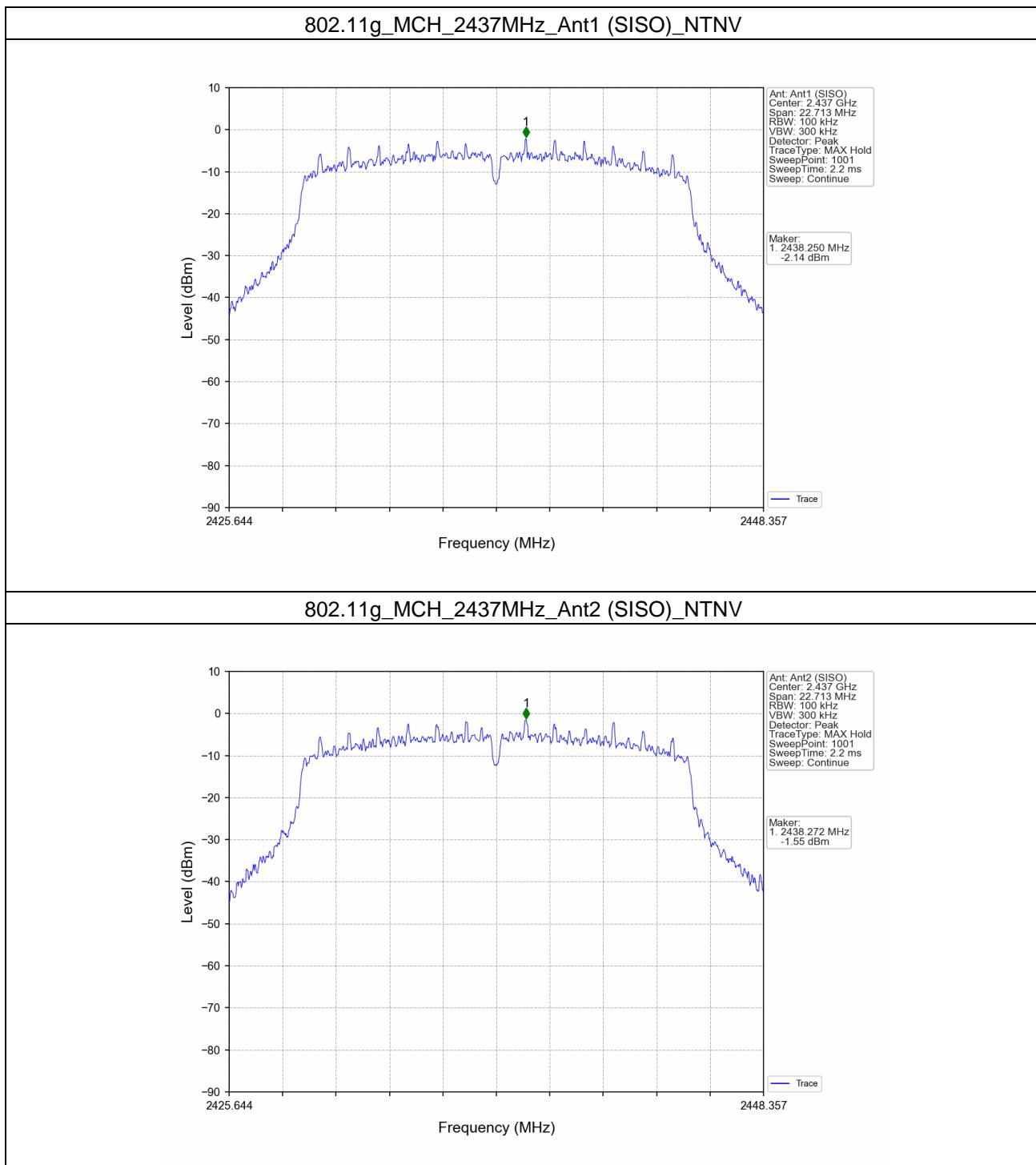


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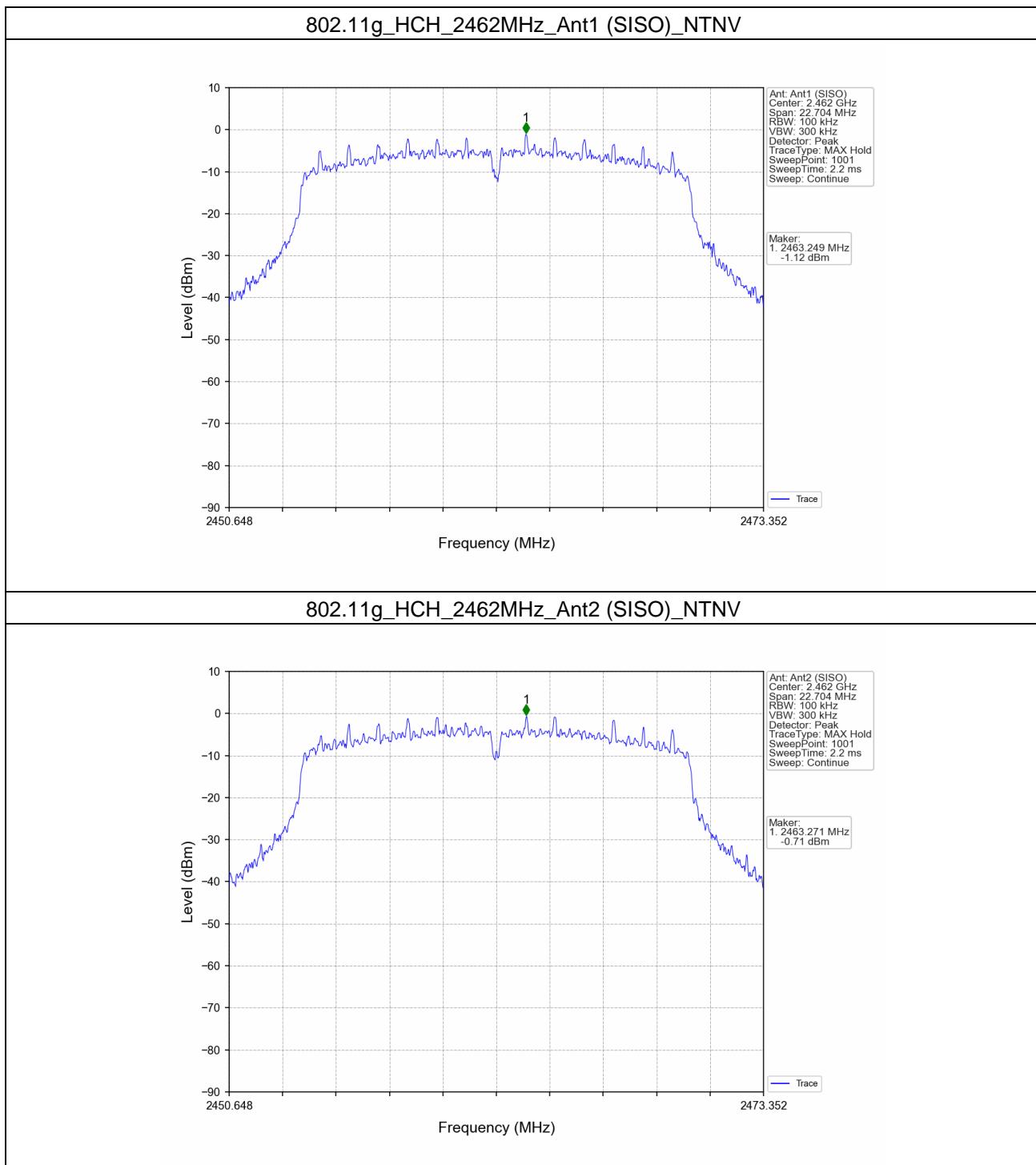


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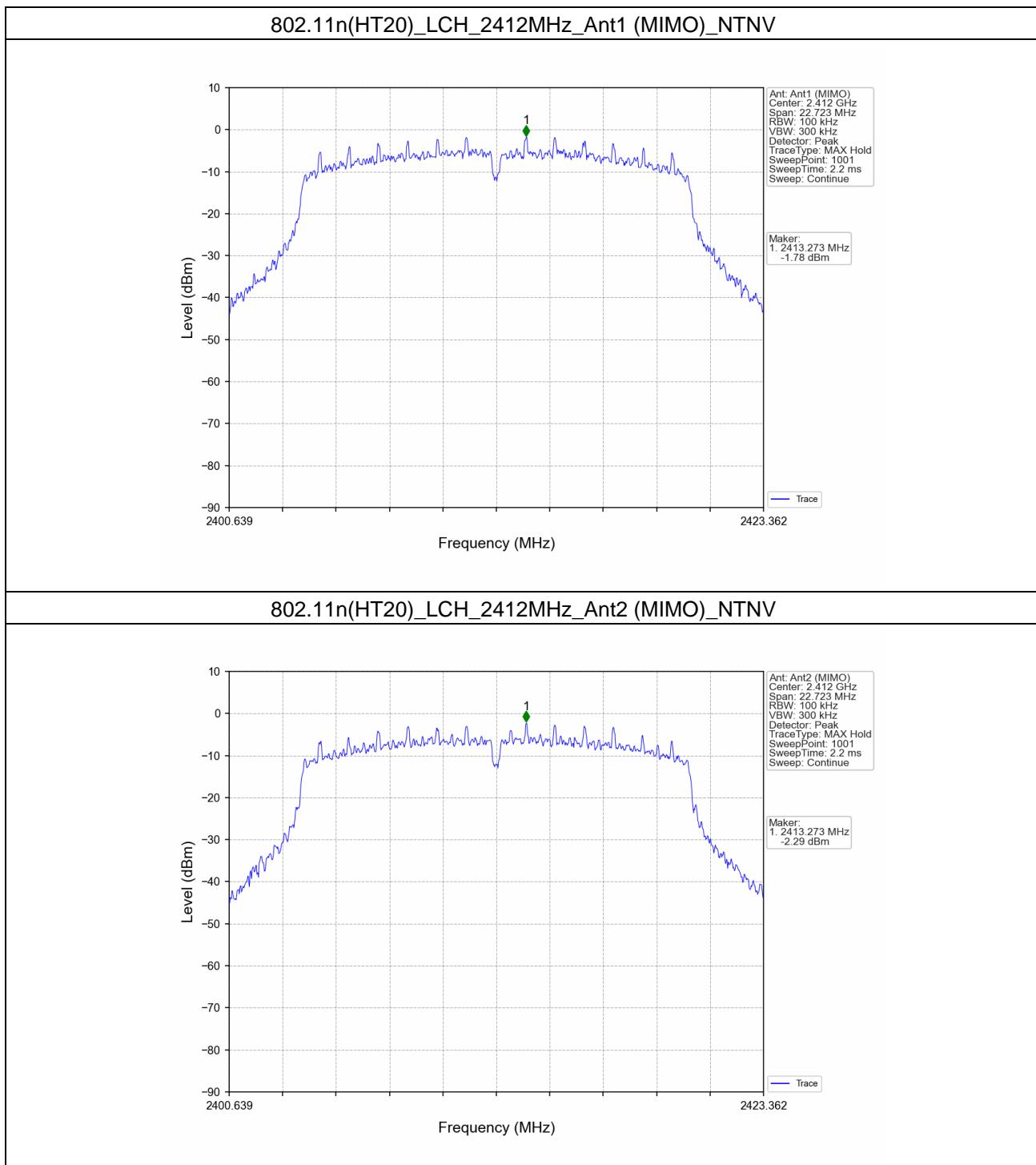
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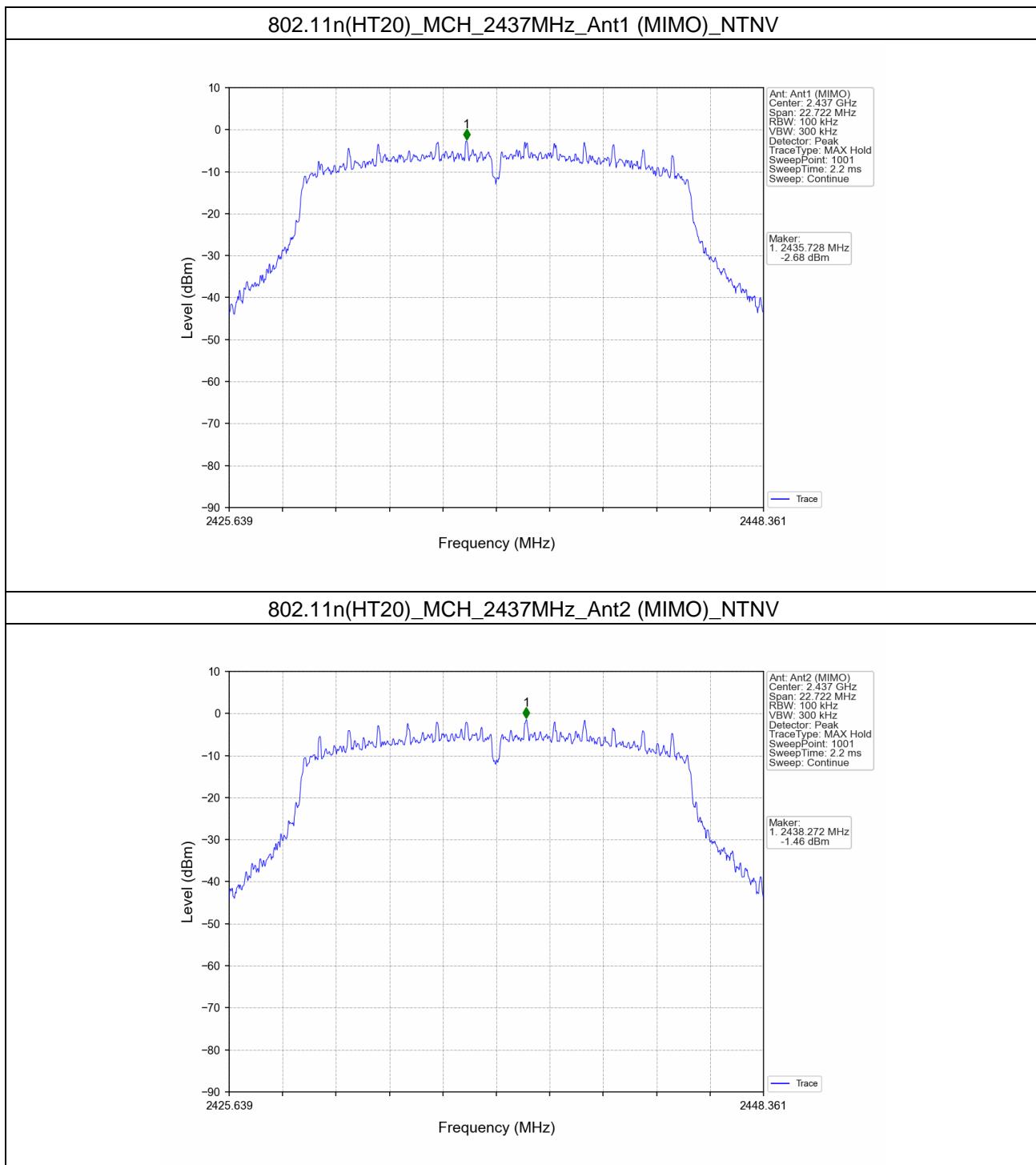


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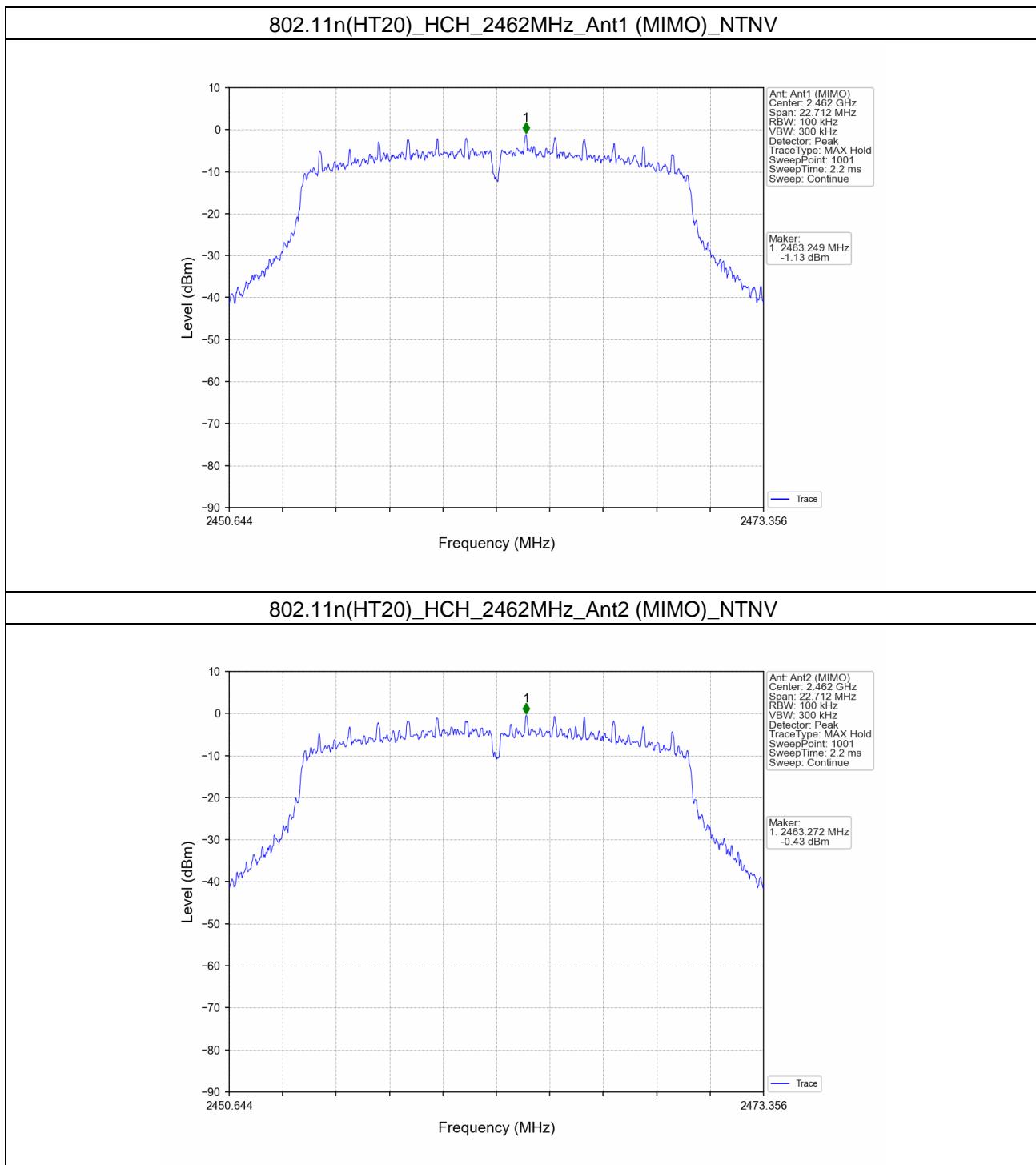


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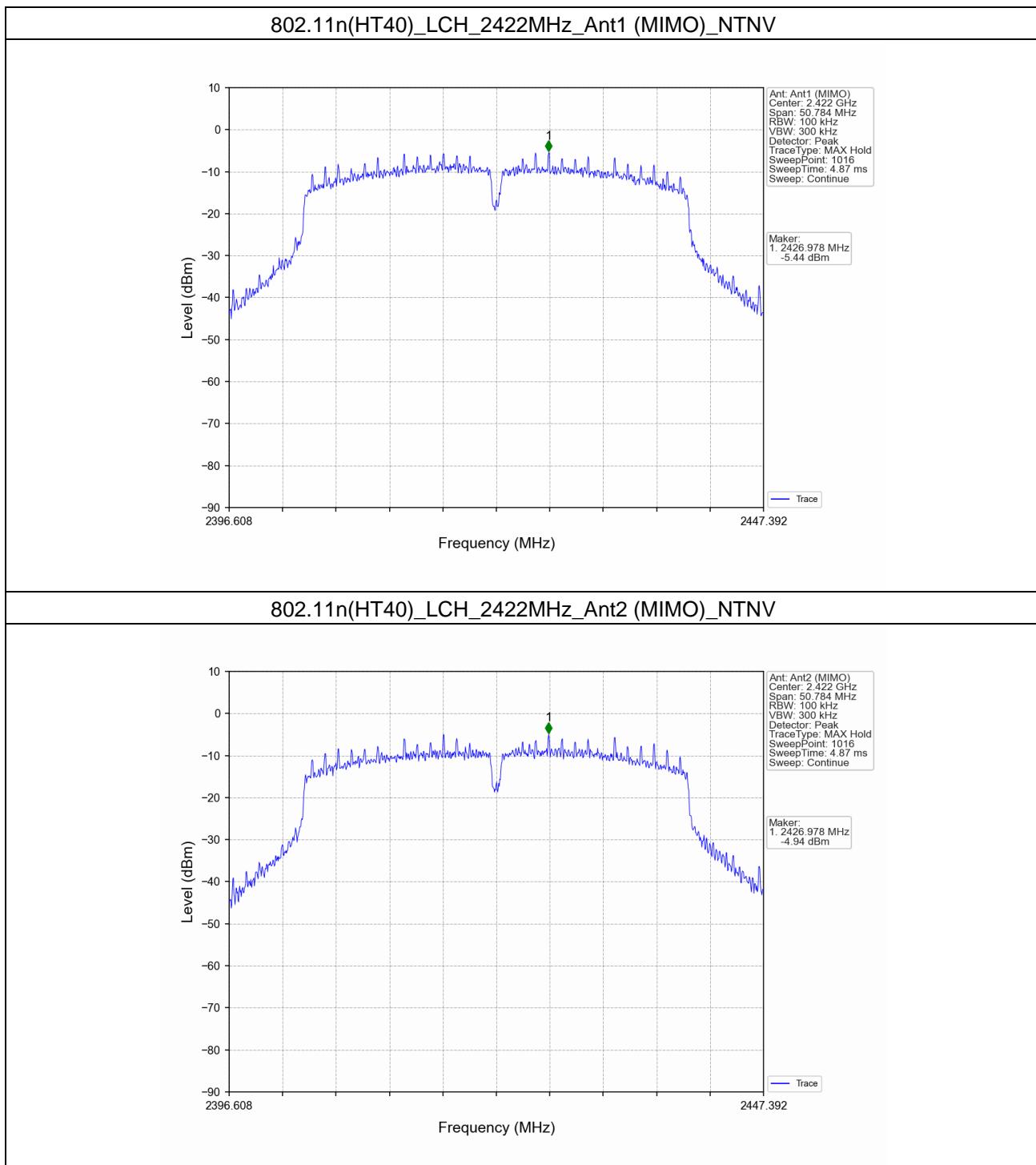


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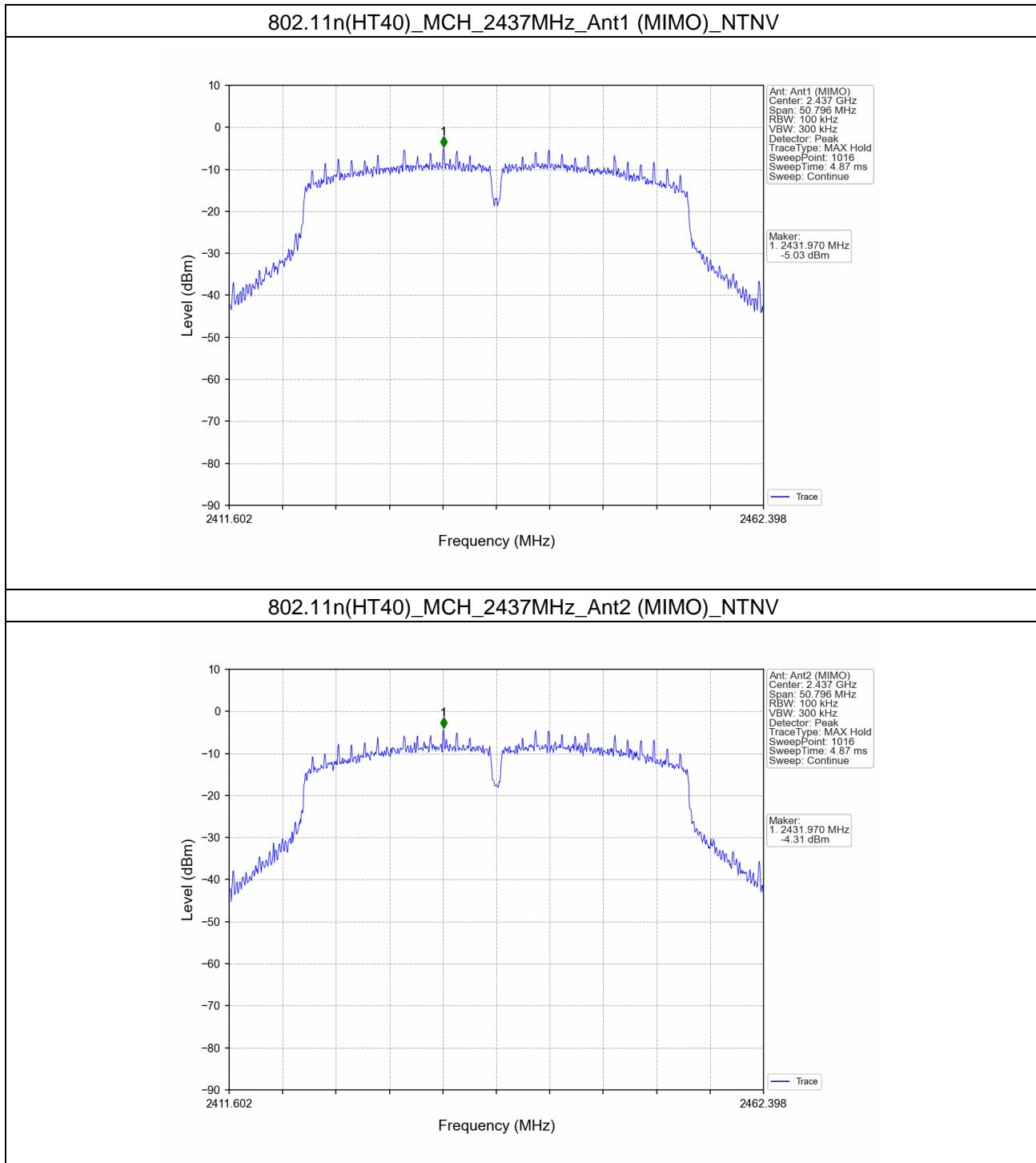


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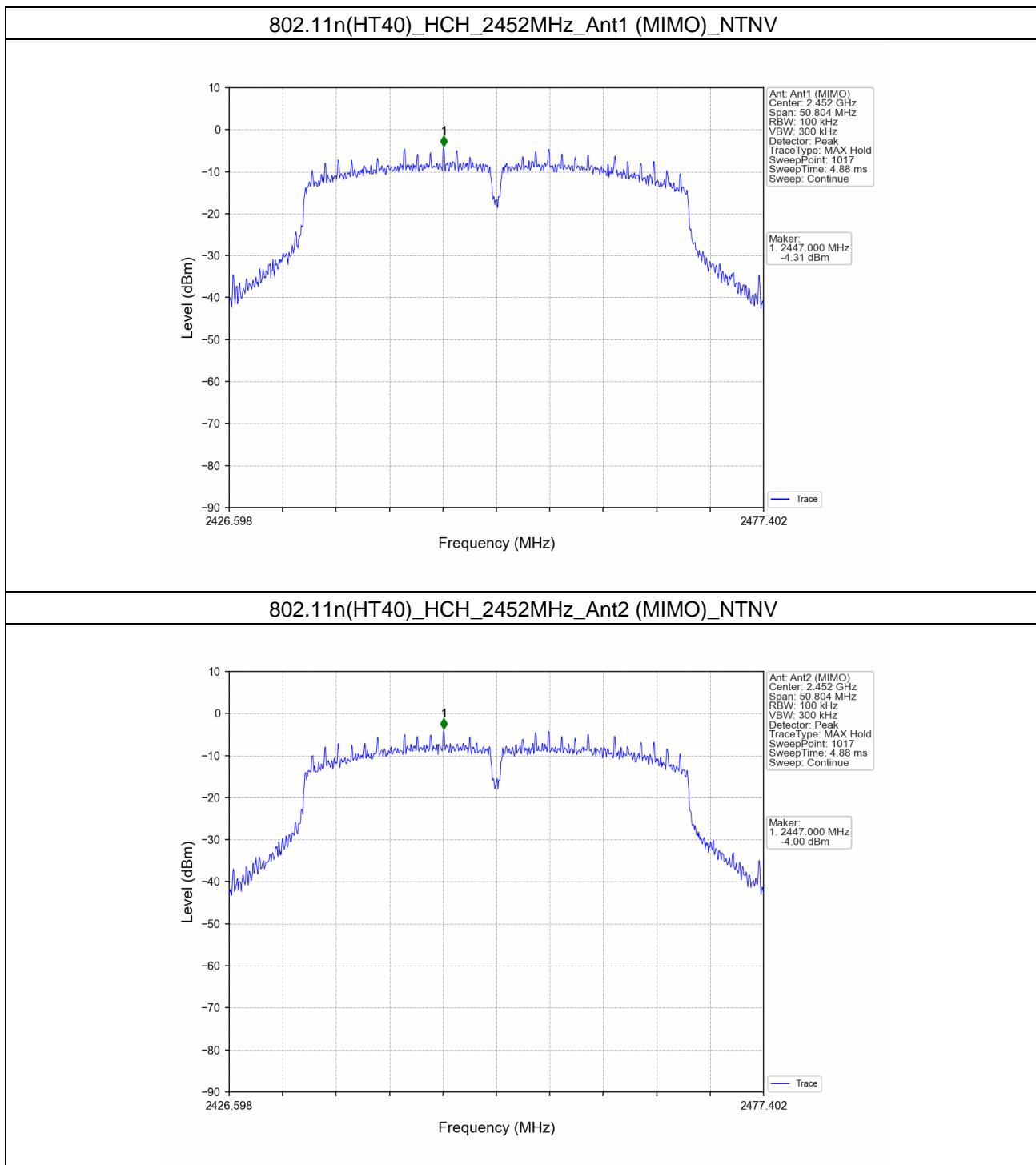


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5.2 CSE**5.2.1 Test Result**

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	4.34	-15.66	Pass
			2	5.49	-14.51	Pass
		2437	1	4.34	-15.66	Pass
			2	5.49	-14.51	Pass
		2462	1	4.34	-15.66	Pass
			2	5.49	-14.51	Pass
		2412	1	-1.12	-21.12	Pass
			2	-0.71	-20.71	Pass
802.11g	SISO	2437	1	-1.12	-21.12	Pass
			2	-0.71	-20.71	Pass
		2462	1	-1.12	-21.12	Pass
			2	-0.71	-20.71	Pass
		2412	1	-1.13	-21.13	Pass
			2	-0.43	-20.43	Pass
		2437	1	-1.13	-21.13	Pass
			2	-0.43	-20.43	Pass
802.11n (HT20)	MIMO	2462	1	-1.13	-21.13	Pass
			2	-0.43	-20.43	Pass
		2412	1	-4.31	-24.31	Pass
			2	-4.00	-24.00	Pass
		2437	1	-4.31	-24.31	Pass
			2	-4.00	-24.00	Pass
		2452	1	-4.31	-24.31	Pass
			2	-4.00	-24.00	Pass
802.11n (HT40)	MIMO	2422	1	-4.31	-24.31	Pass
			2	-4.00	-24.00	Pass
		2452	1	-4.31	-24.31	Pass
			2	-4.00	-24.00	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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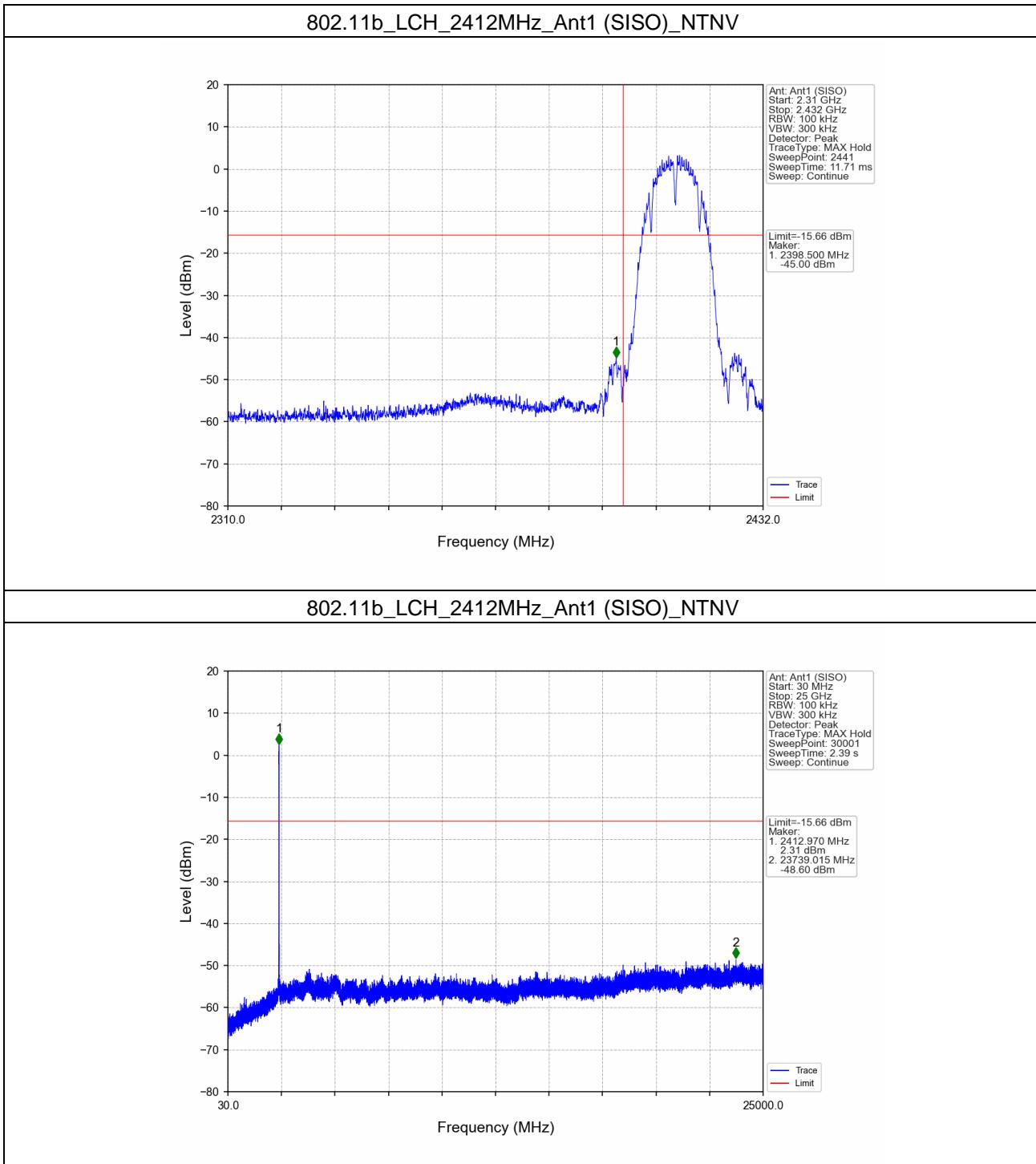


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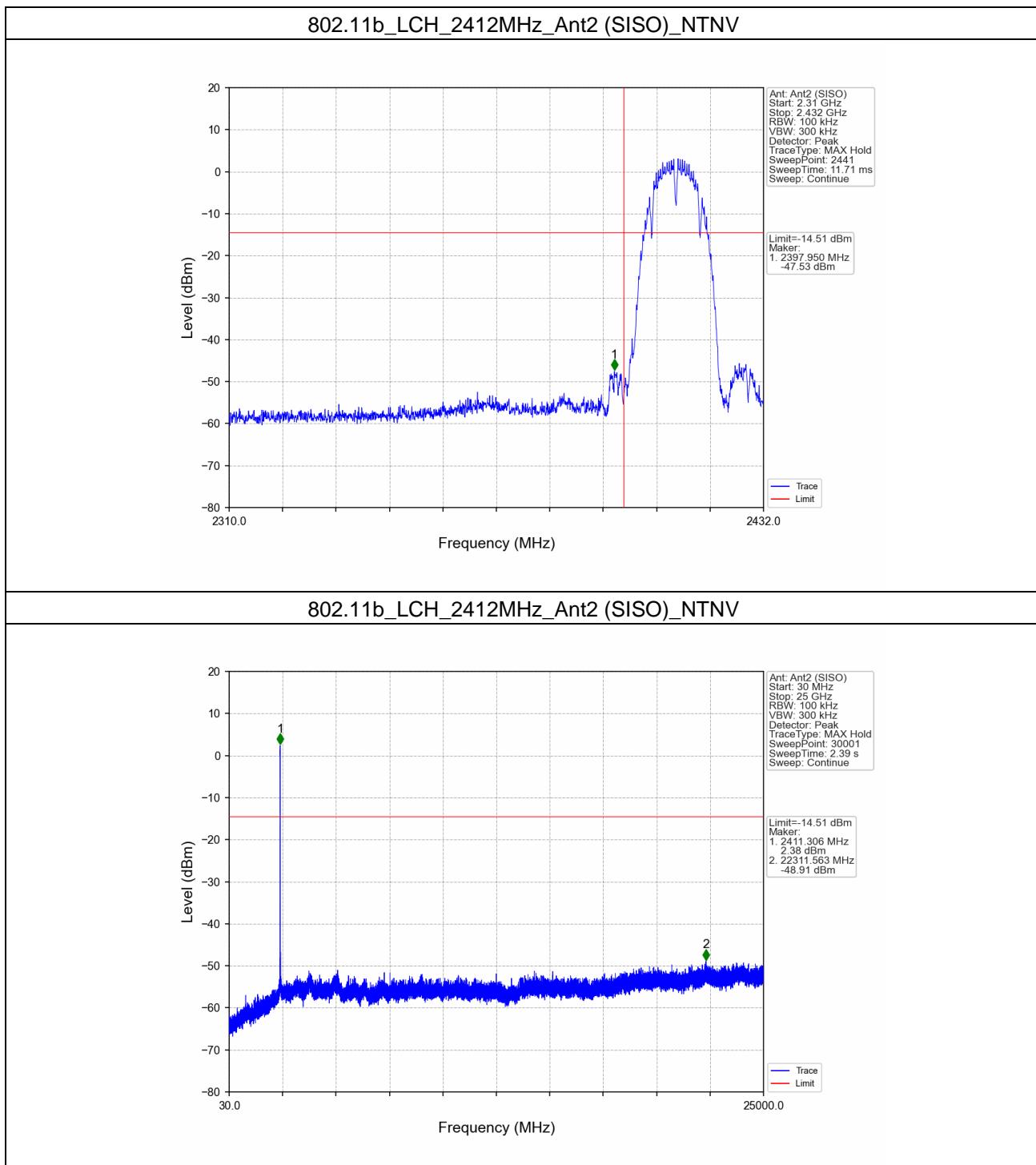
5.2.2 Test Graph



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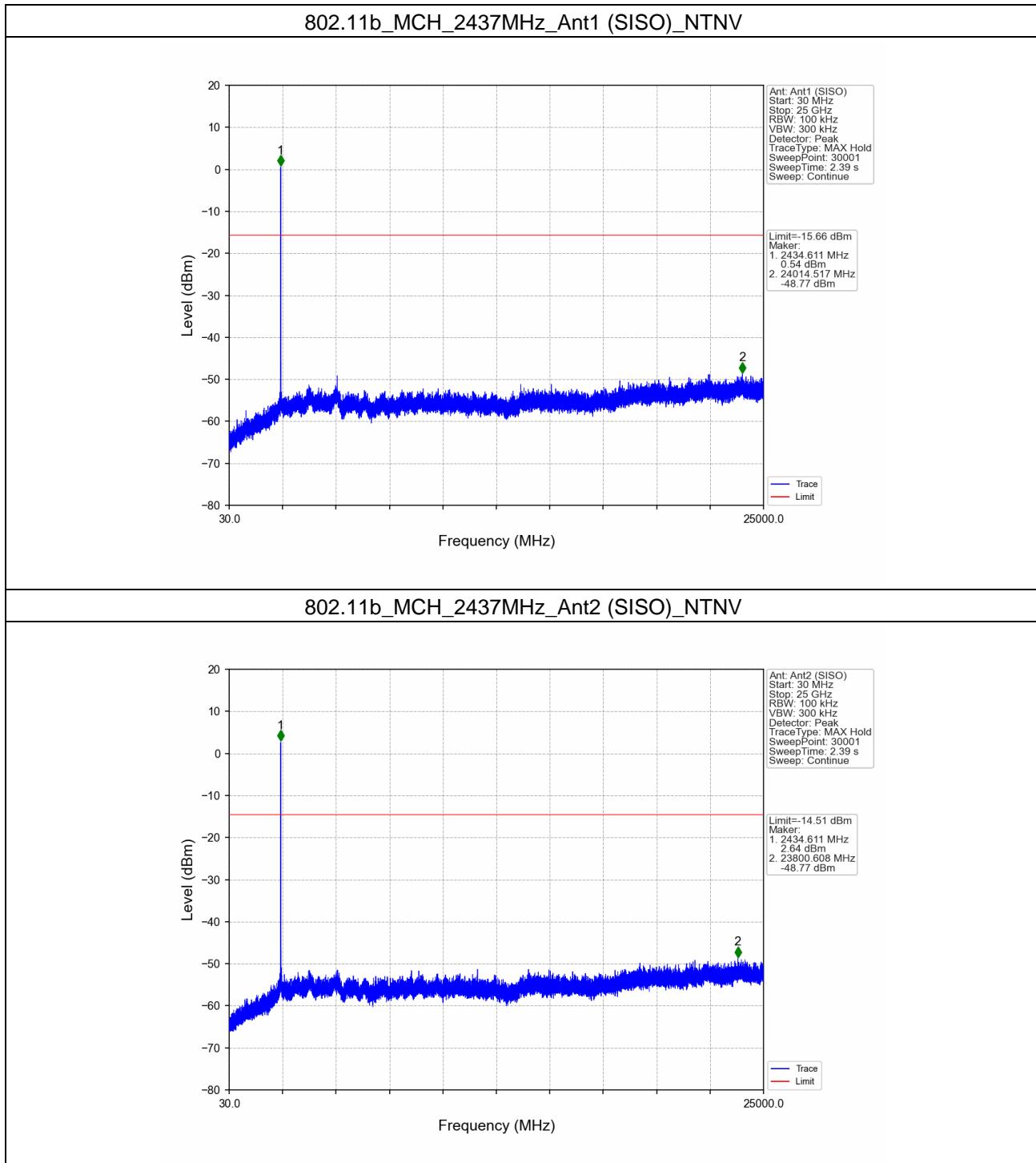




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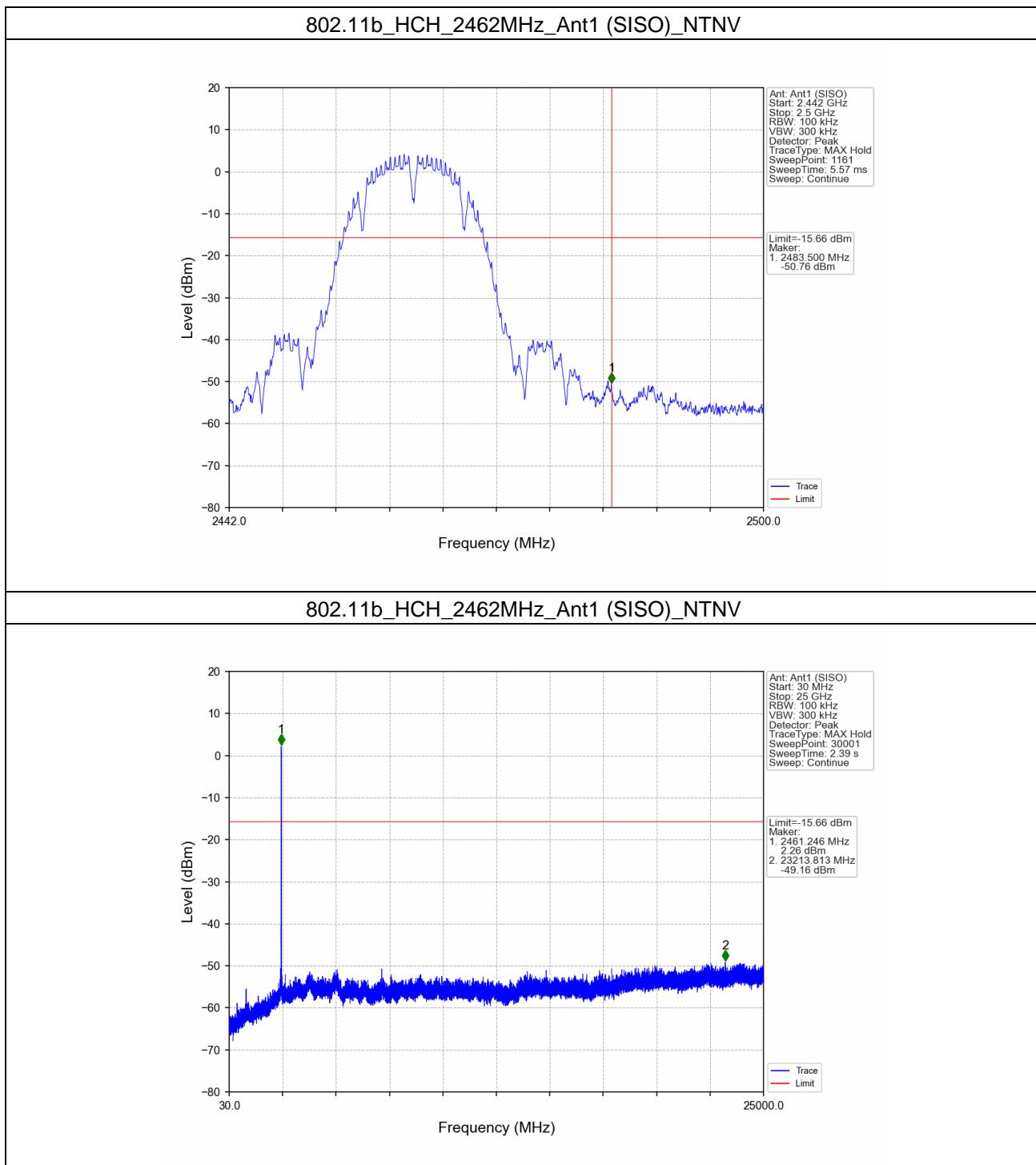


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