

## 2.2 6dB BW

### 2.2.1 Test Result

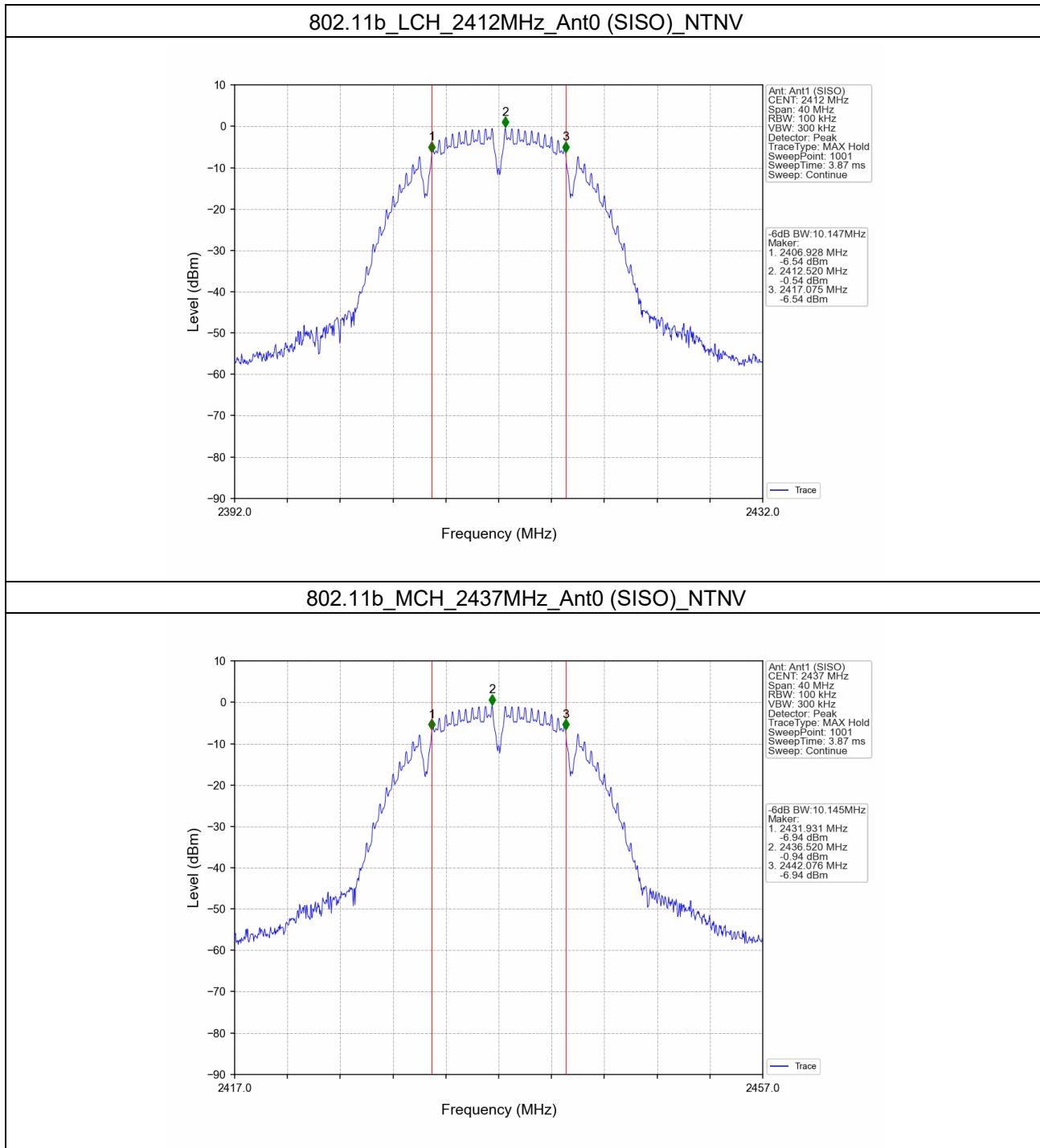
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	0	10.147	>=0.5	Pass
		2437	0	10.145	>=0.5	Pass
		2462	0	10.147	>=0.5	Pass
802.11g	SISO	2412	0	15.822	>=0.5	Pass
		2437	0	15.789	>=0.5	Pass
		2462	0	15.683	>=0.5	Pass
802.11n (HT20)	MIMO	2412	0+1	16.324	>=0.5	Pass
		2437	0+1	15.829	>=0.5	Pass
		2462	0+1	16.251	>=0.5	Pass
802.11n (HT40)	MIMO	2422	0+1	35.178	>=0.5	Pass
		2437	0+1	35.177	>=0.5	Pass
		2452	0+1	35.183	>=0.5	Pass



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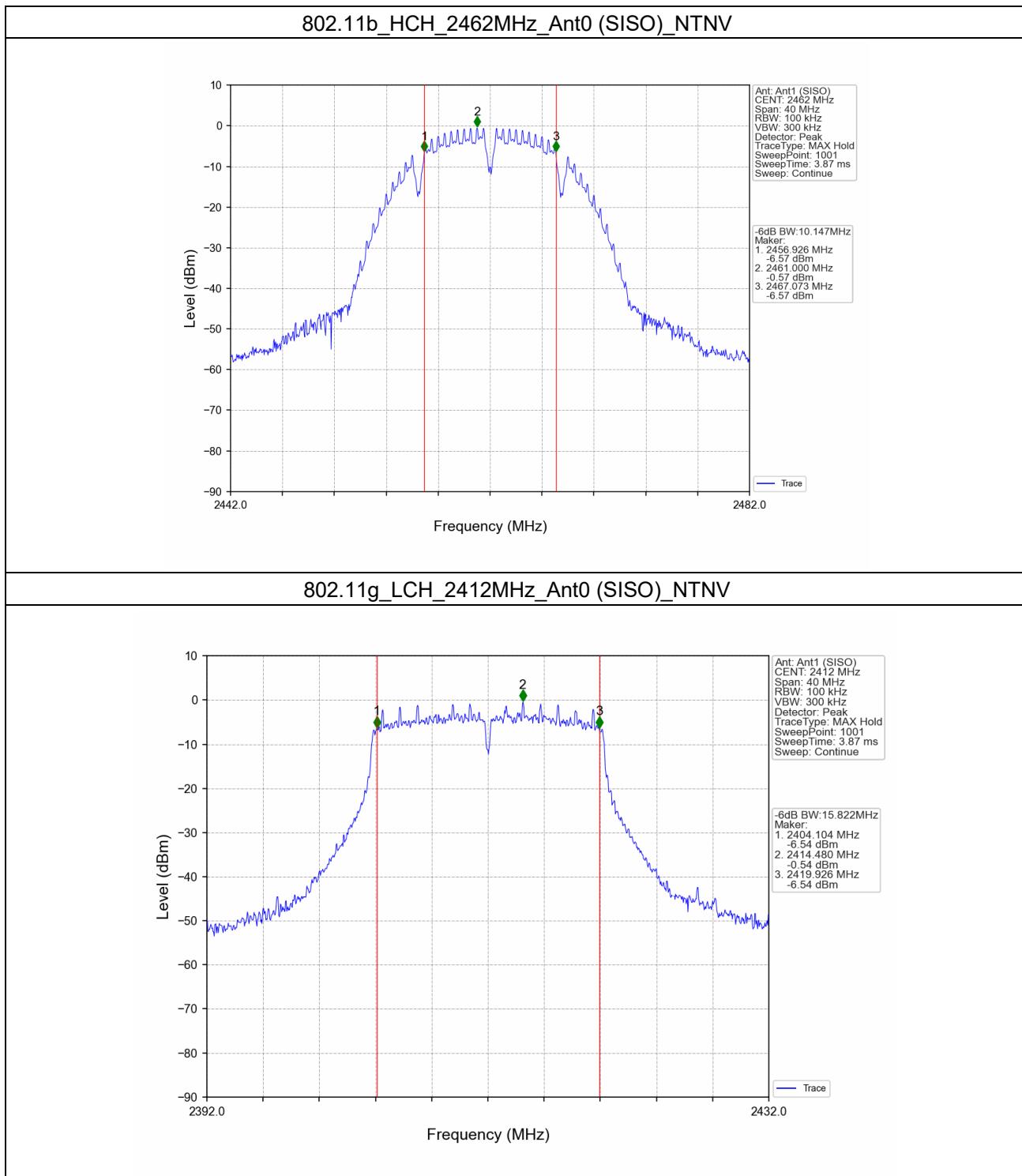
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**2.2.2 Test Graph**

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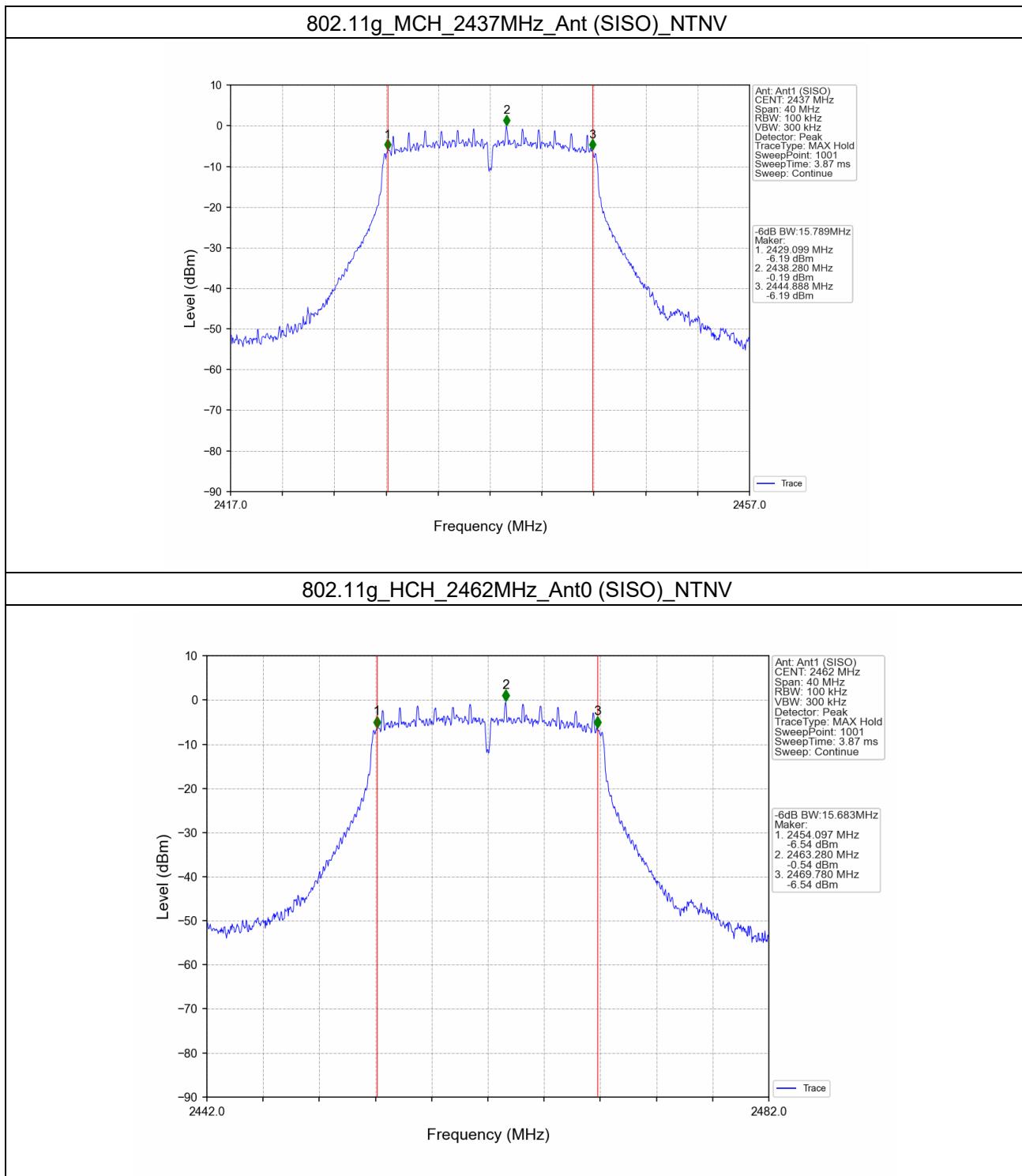


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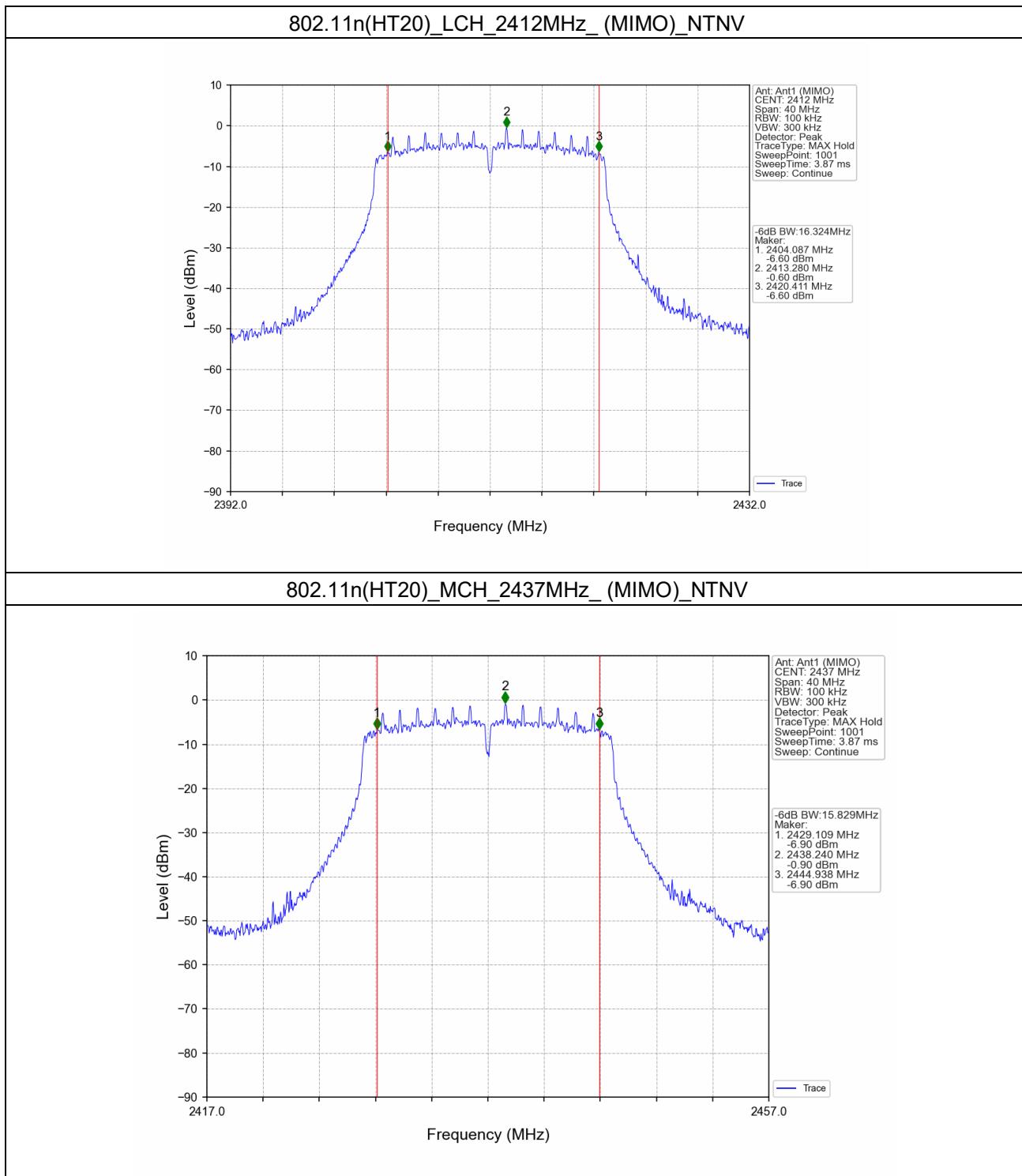
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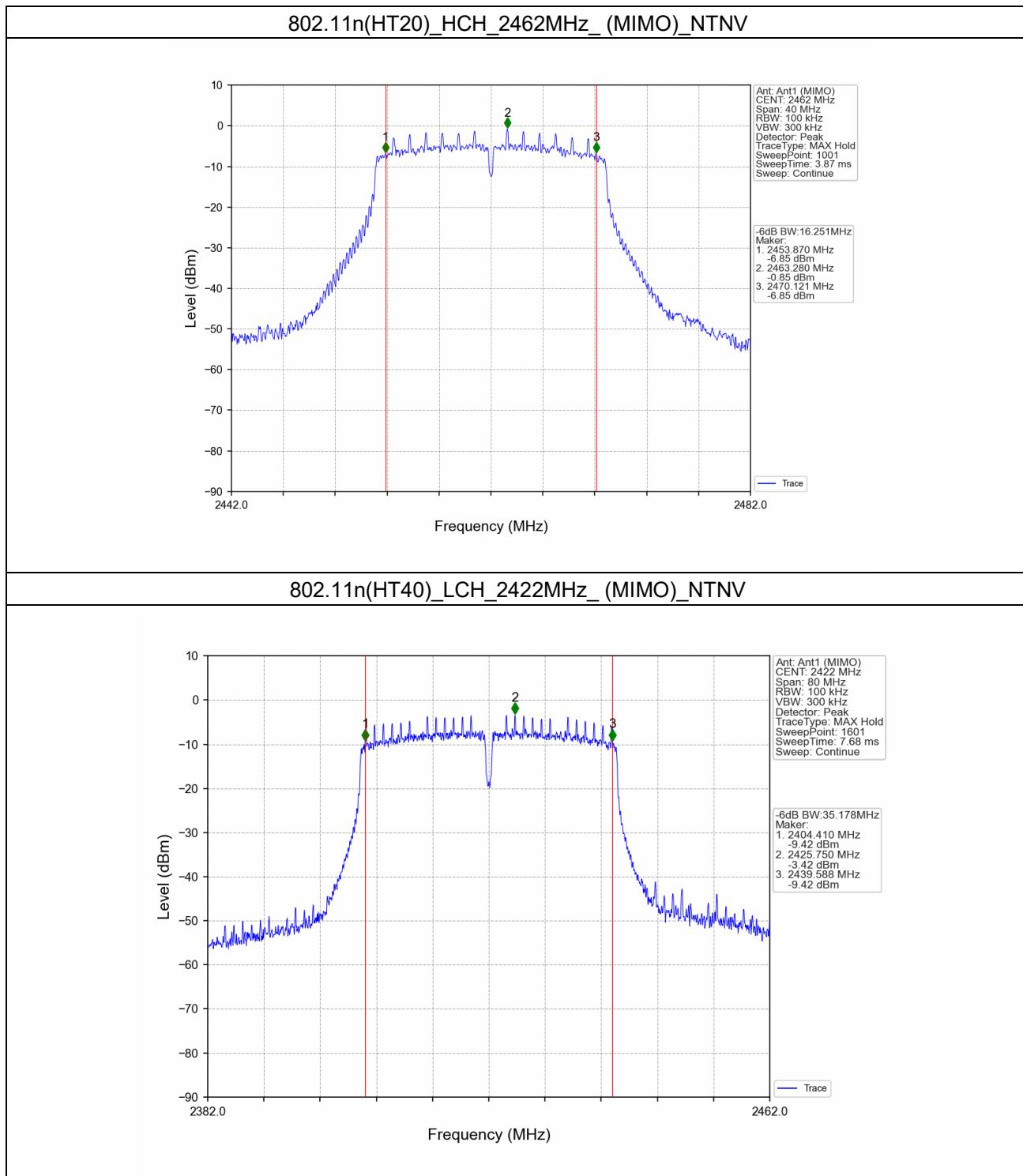


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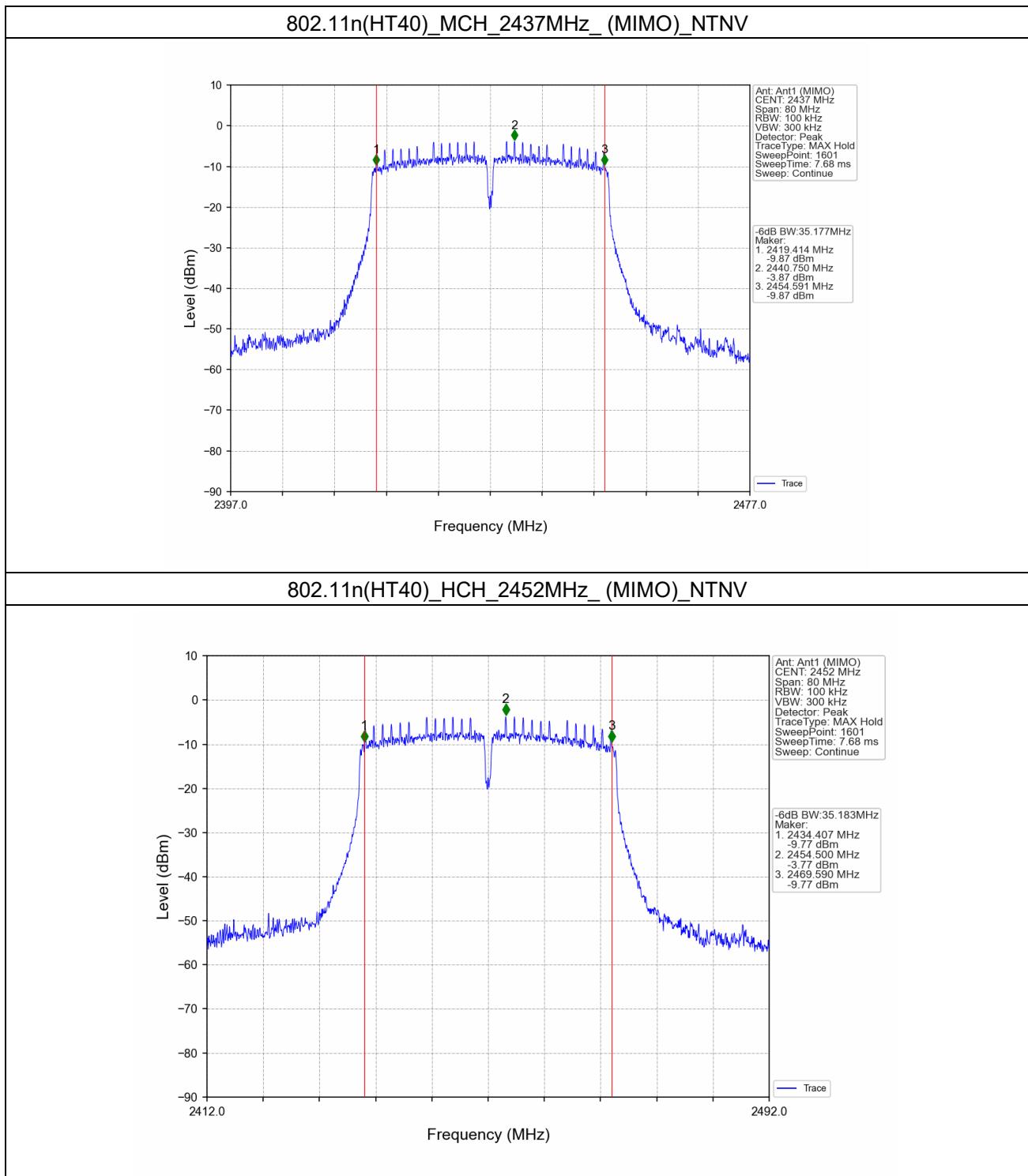


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### 3. Maximum Conducted Output Power

#### 3.1 Power

##### 3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)				Verdict
			ANT0	ANT1	MIMO	Limit	
802.11b	SISO	2412	8.71	4.99	/	<=30	Pass
		2437	8.28	4.57	/	<=30	Pass
		2462	8.68	4.17	/	<=30	Pass
802.11g	SISO	2412	10.46	8.17	/	<=30	Pass
		2437	10.32	7.59	/	<=30	Pass
		2462	13.59	7.14	/	<=30	Pass
802.11n (HT20)	MIMO	2412	9.83	7.34	11.77	<=29.45	Pass
		2437	9.63	6.75	11.43	<=29.45	Pass
		2462	9.55	6.53	11.31	<=29.45	Pass
802.11n (HT40)	MIMO	2422	10.26	7.60	12.14	<=29.45	Pass
		2437	9.86	7.17	11.73	<=29.45	Pass
		2452	9.89	6.95	11.67	<=29.45	Pass

Remark:

Directional gain: 6.55dBi

MIMO limit=SISO limit- Directional gain+6dBi



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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
			ANT0	ANT1	MIMO	Limit	
802.11b	SISO	2412	-13.99	-18.52	/	<=8	Pass
		2437	-16.14	-19.14	/	<=8	Pass
		2462	-14.36	-19.65	/	<=8	Pass
802.11g	SISO	2412	-14.26	-17.34	/	<=8	Pass
		2437	-15.27	-17.14	/	<=8	Pass
		2462	-14.53	-18.07	/	<=8	Pass
802.11n (HT20)	MIMO	2412	-15.68	-17.53	-14.08	<=8	Pass
		2437	-16.57	-19.20	-14.72	<=8	Pass
		2462	-15.68	-17.21	-14.37	<=8	Pass
802.11n (HT40)	MIMO	2422	-18.03	-19.99	-16.19	<=8	Pass
		2437	-18.45	-20.59	-16.49	<=8	Pass
		2452	-17.93	-20.81	-16.12	<=8	Pass



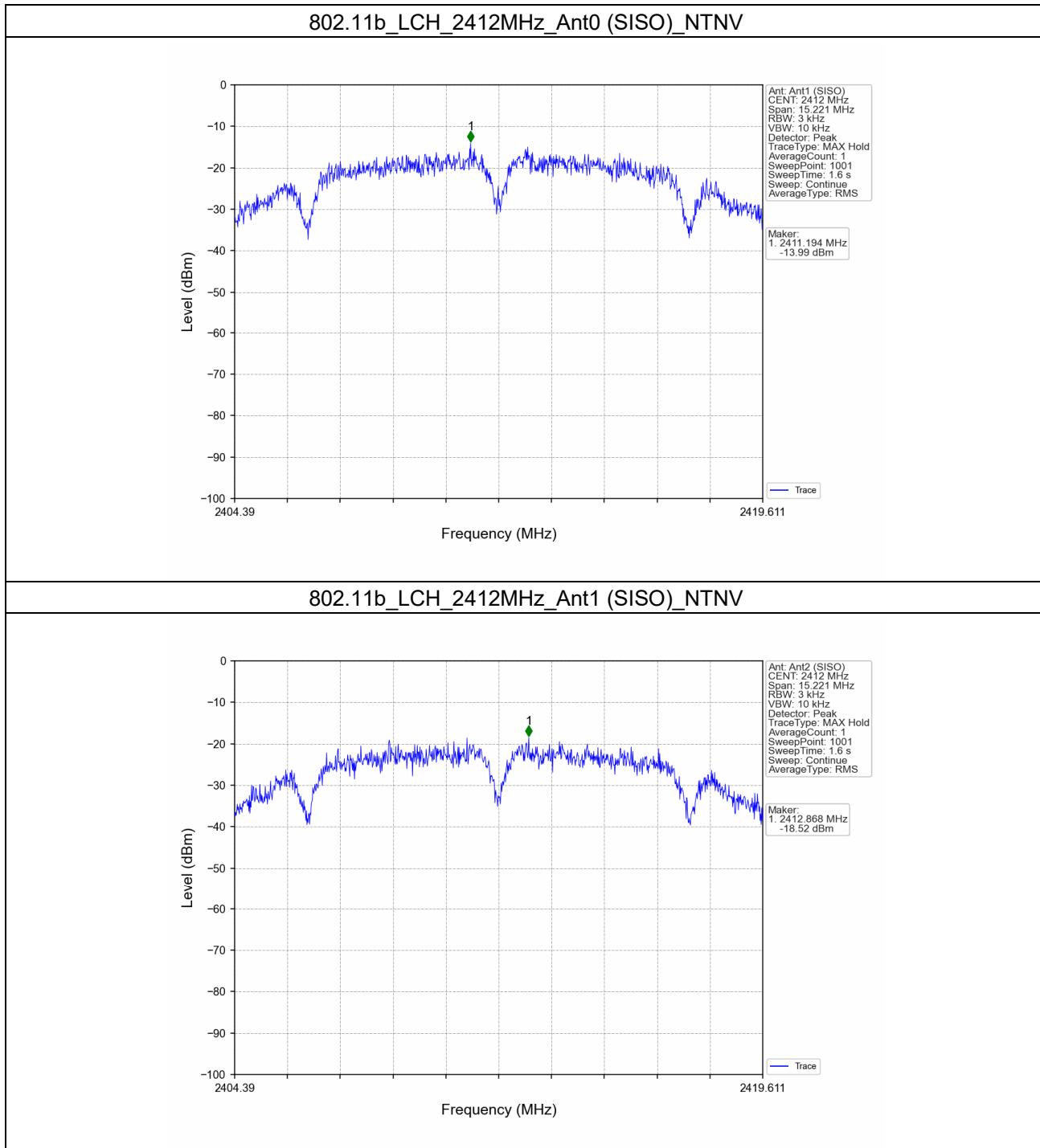
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#### 4.1.2 Test Graph

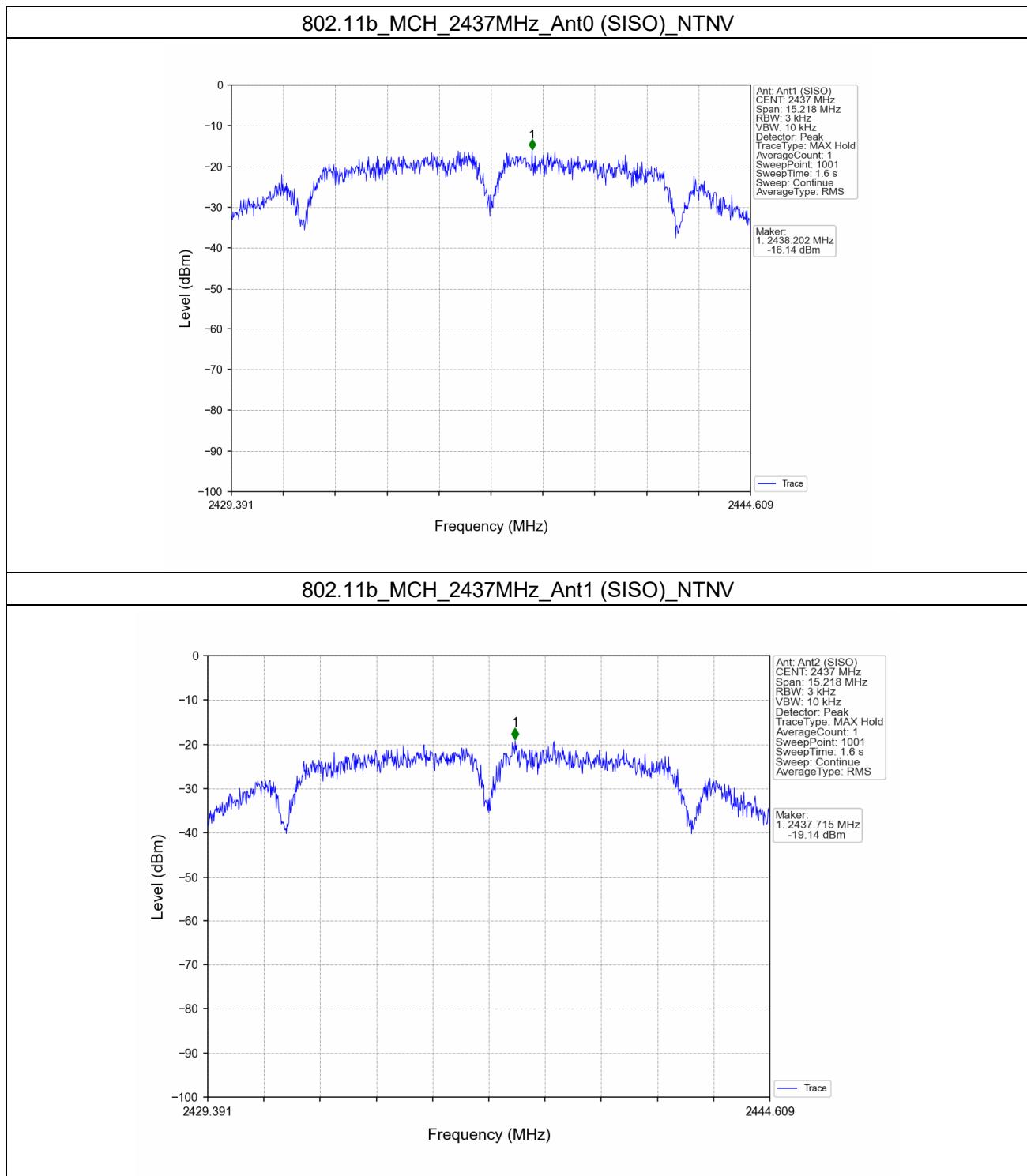


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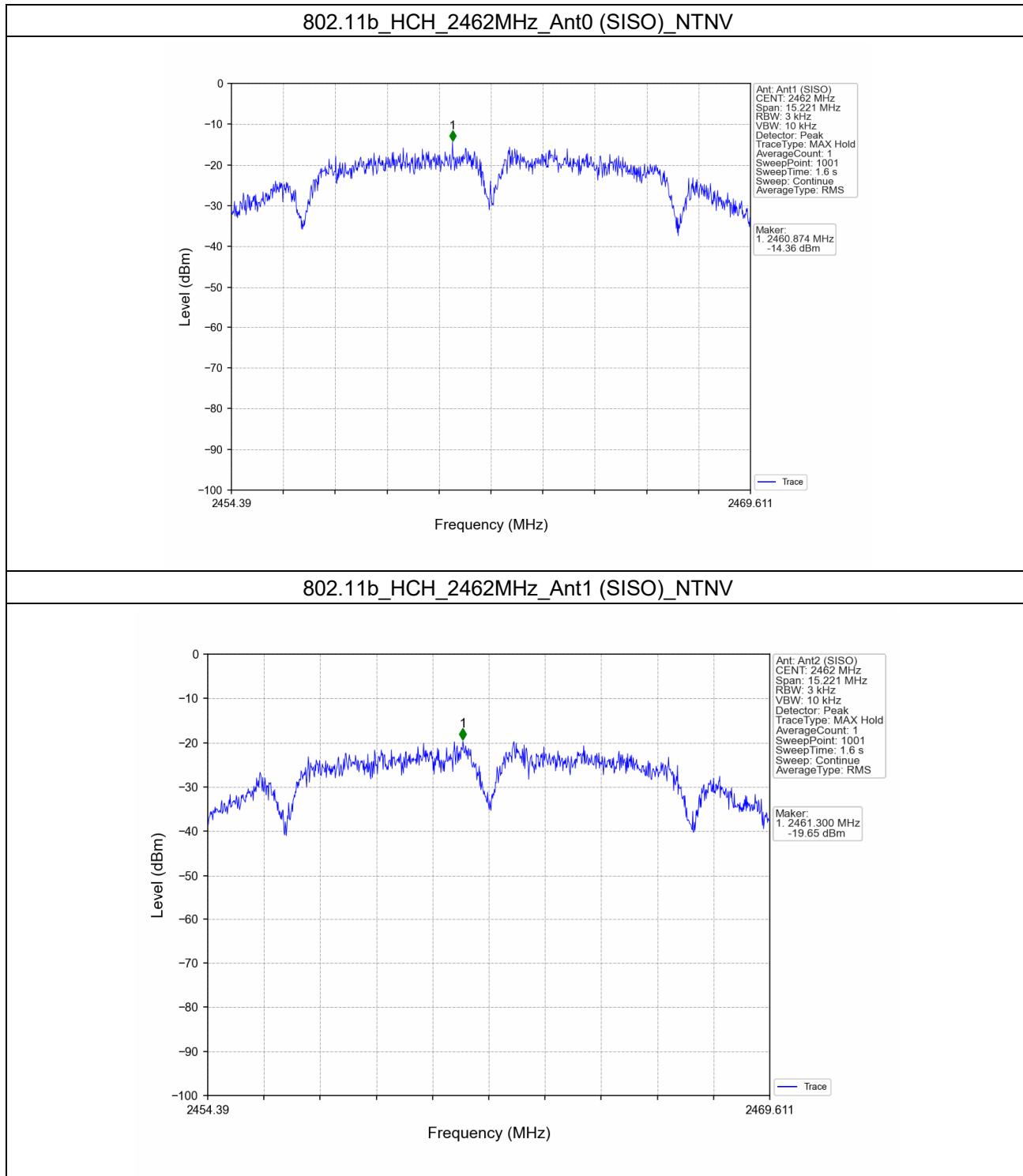
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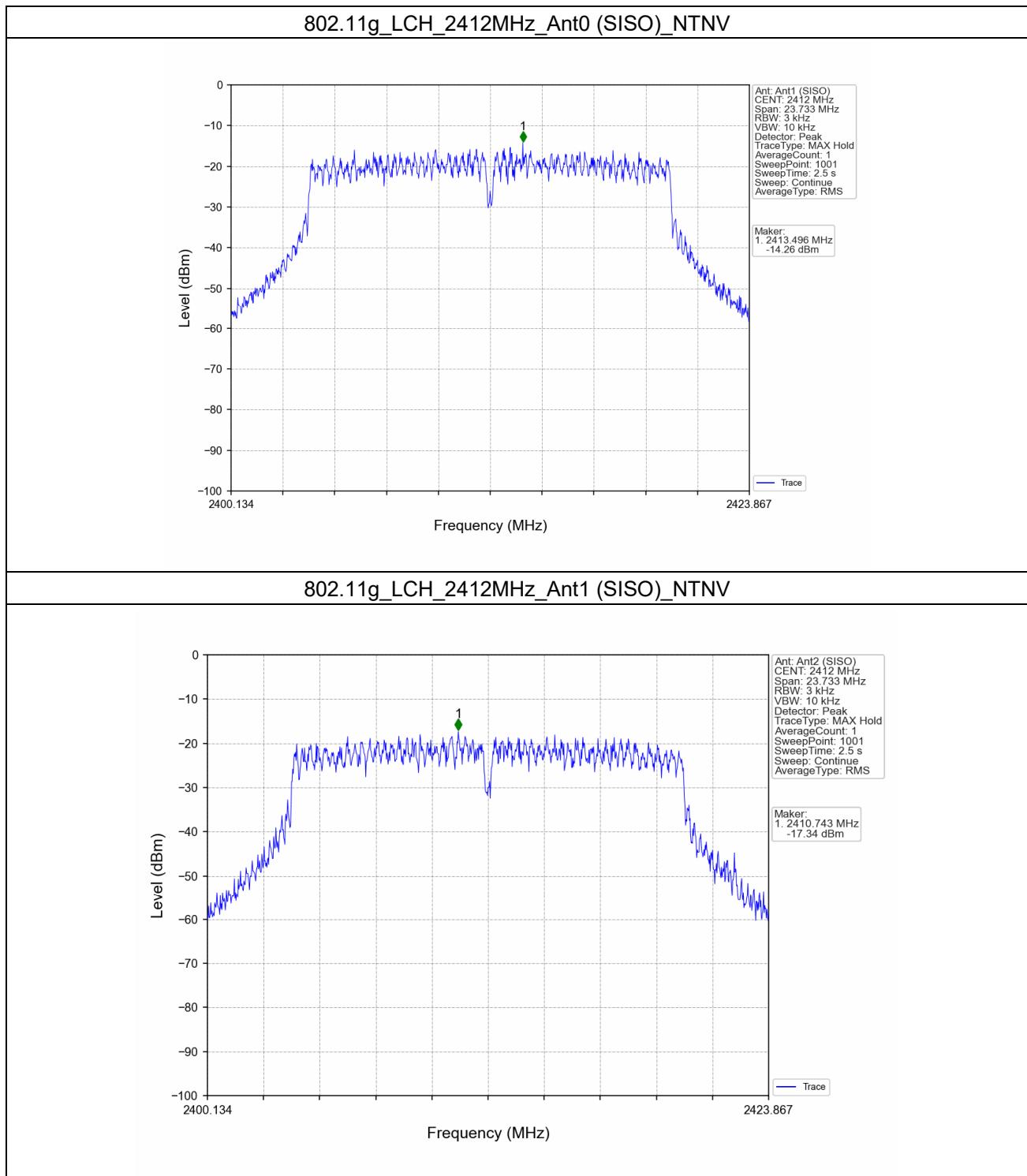
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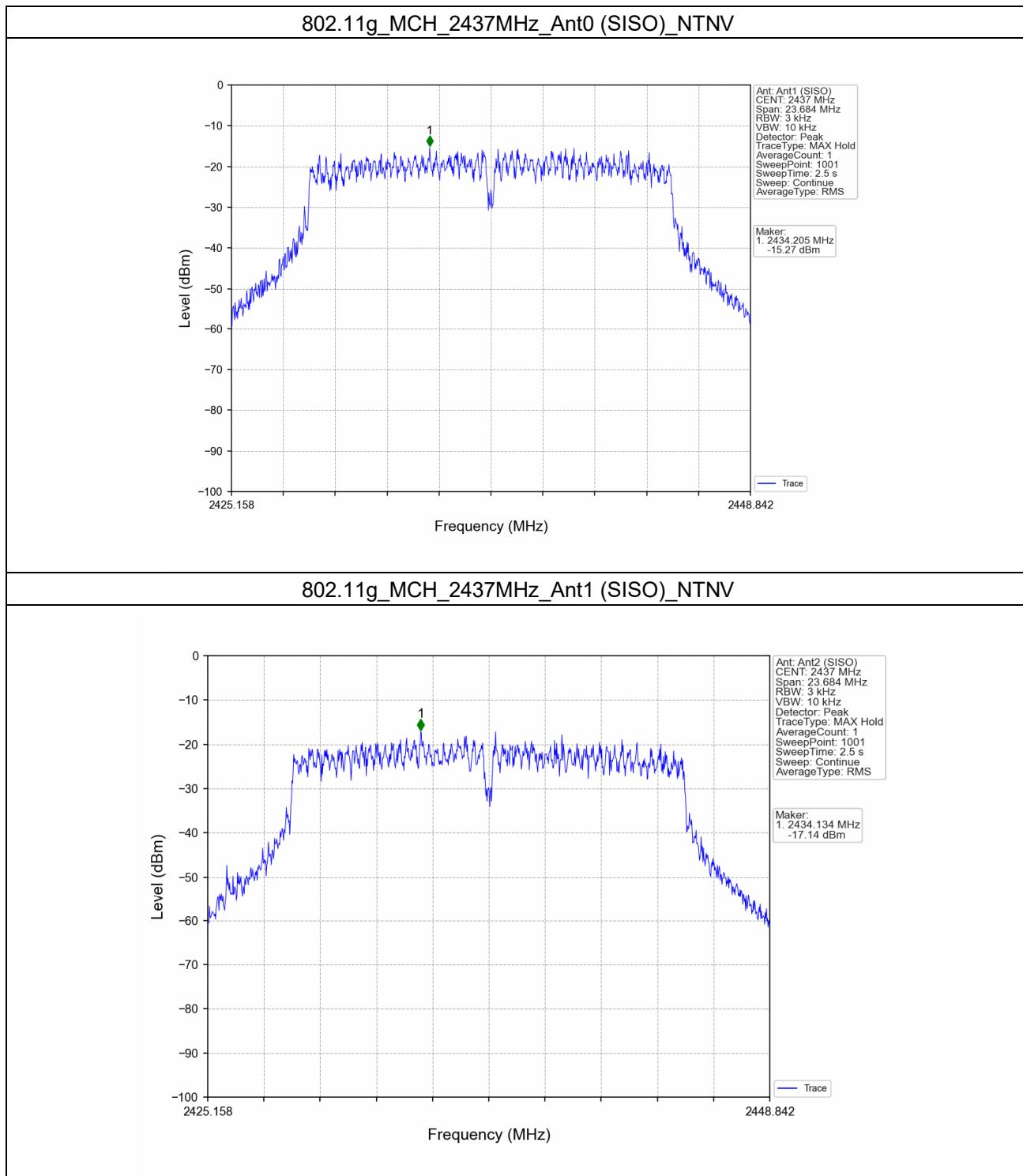
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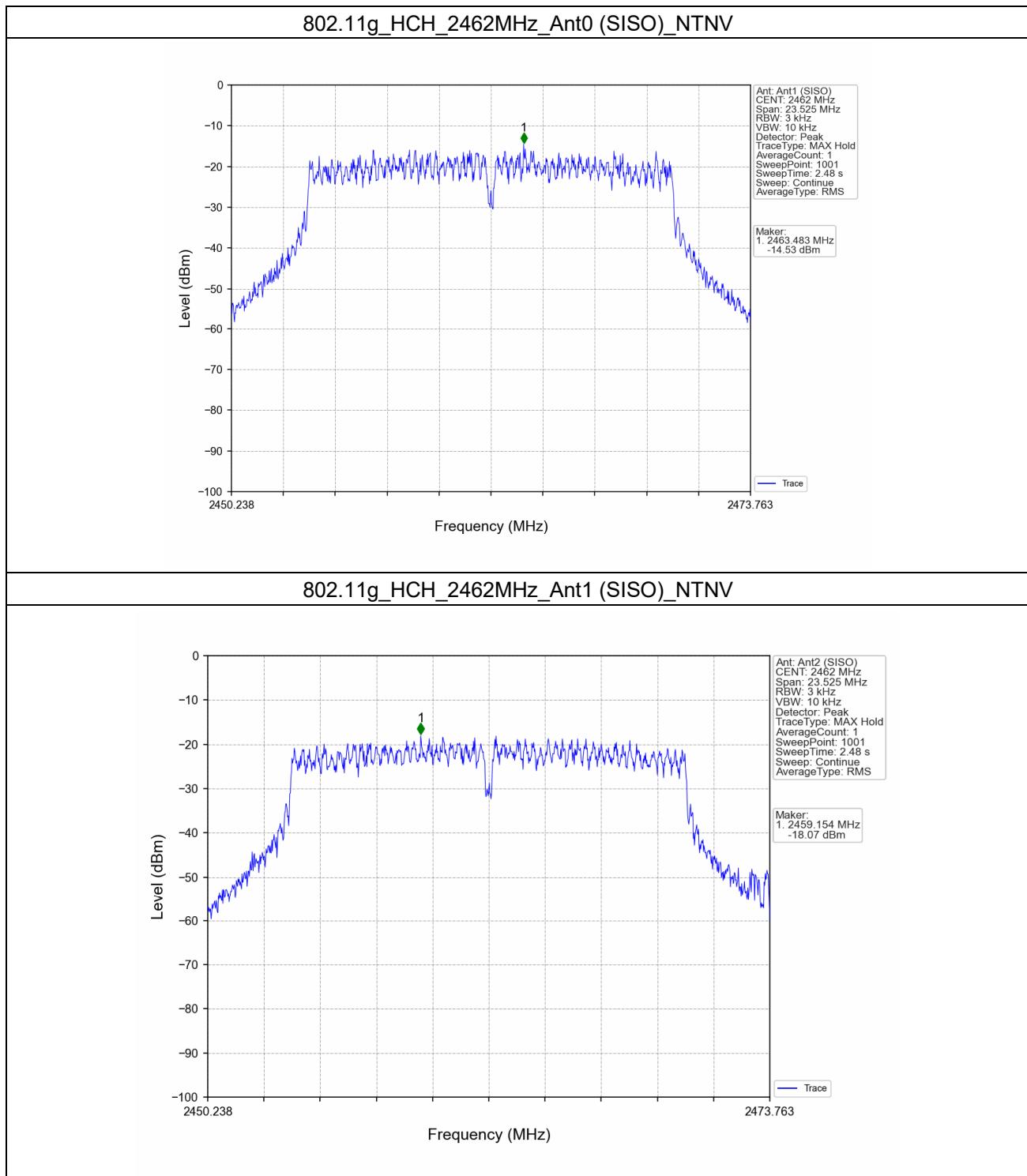
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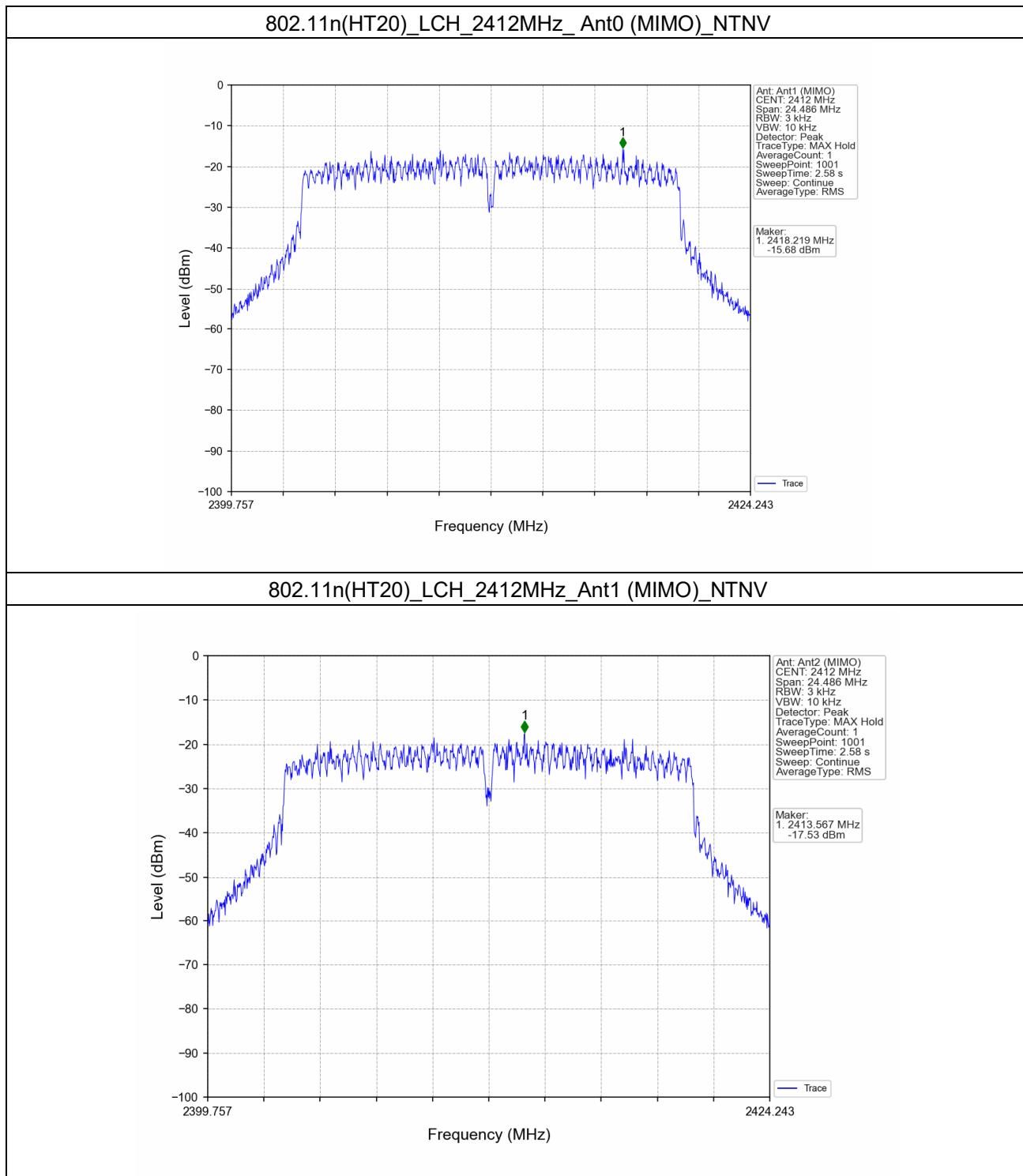
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Report No.: SZCR230400113904

Page: 119 of 161



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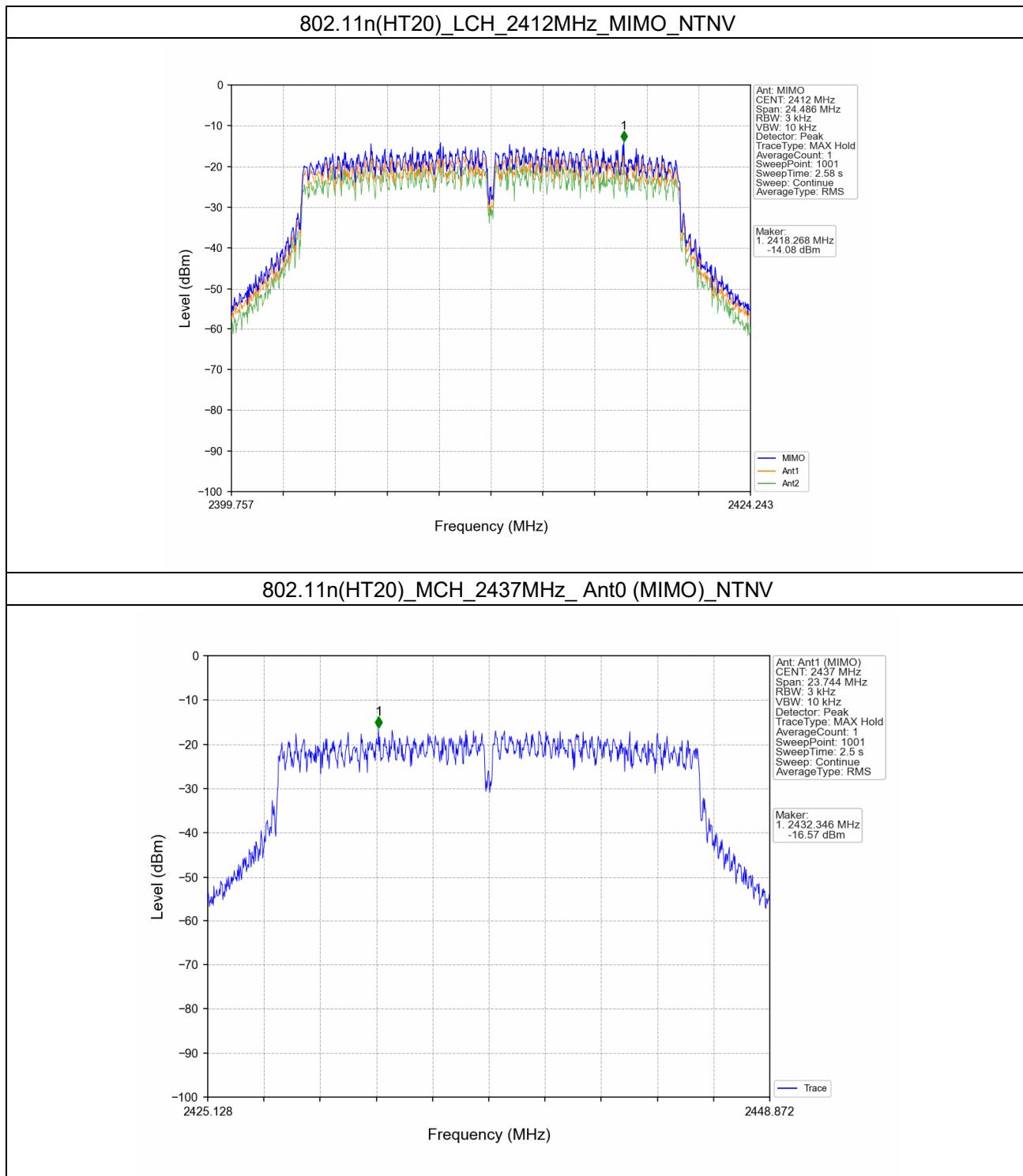
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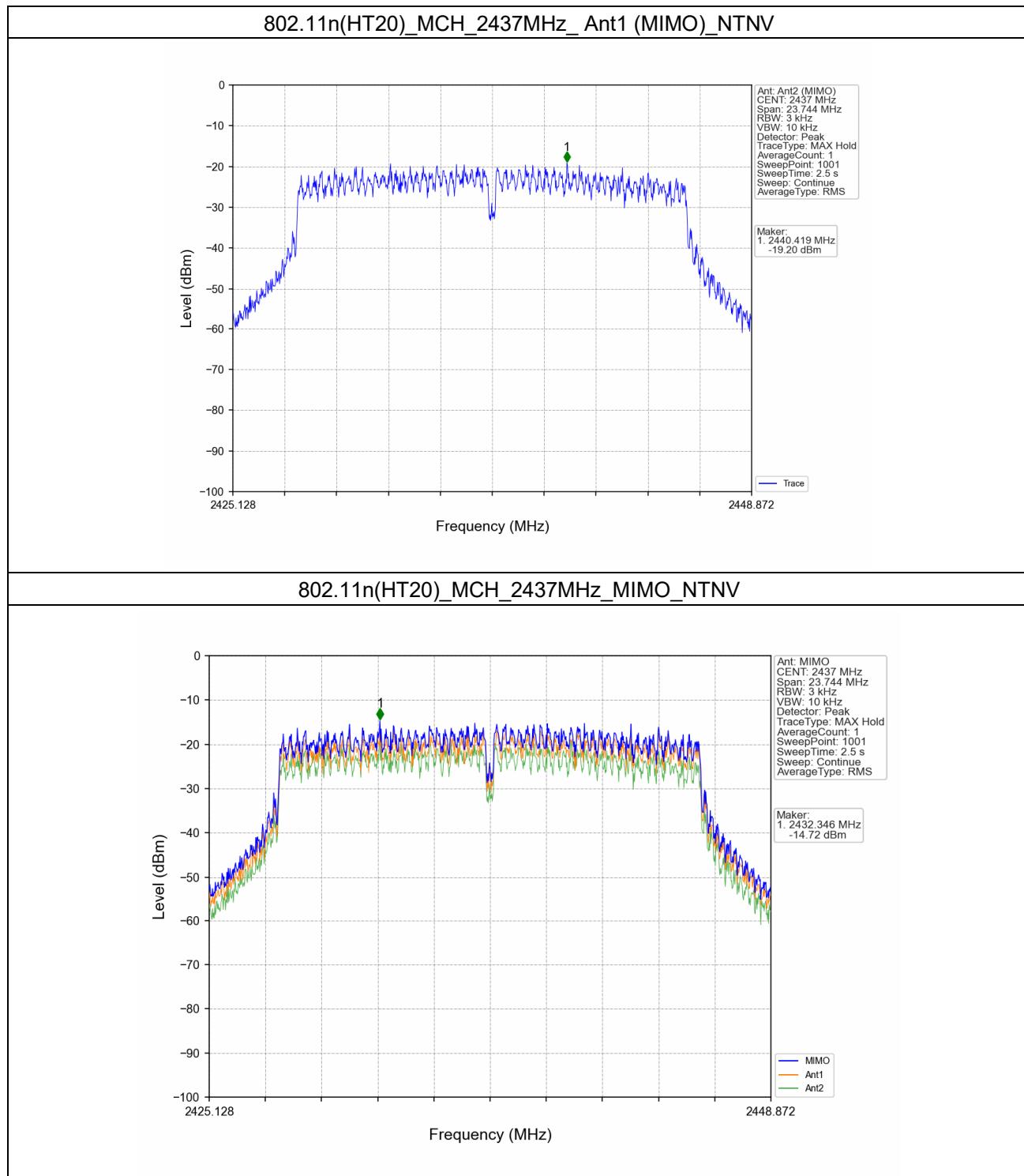
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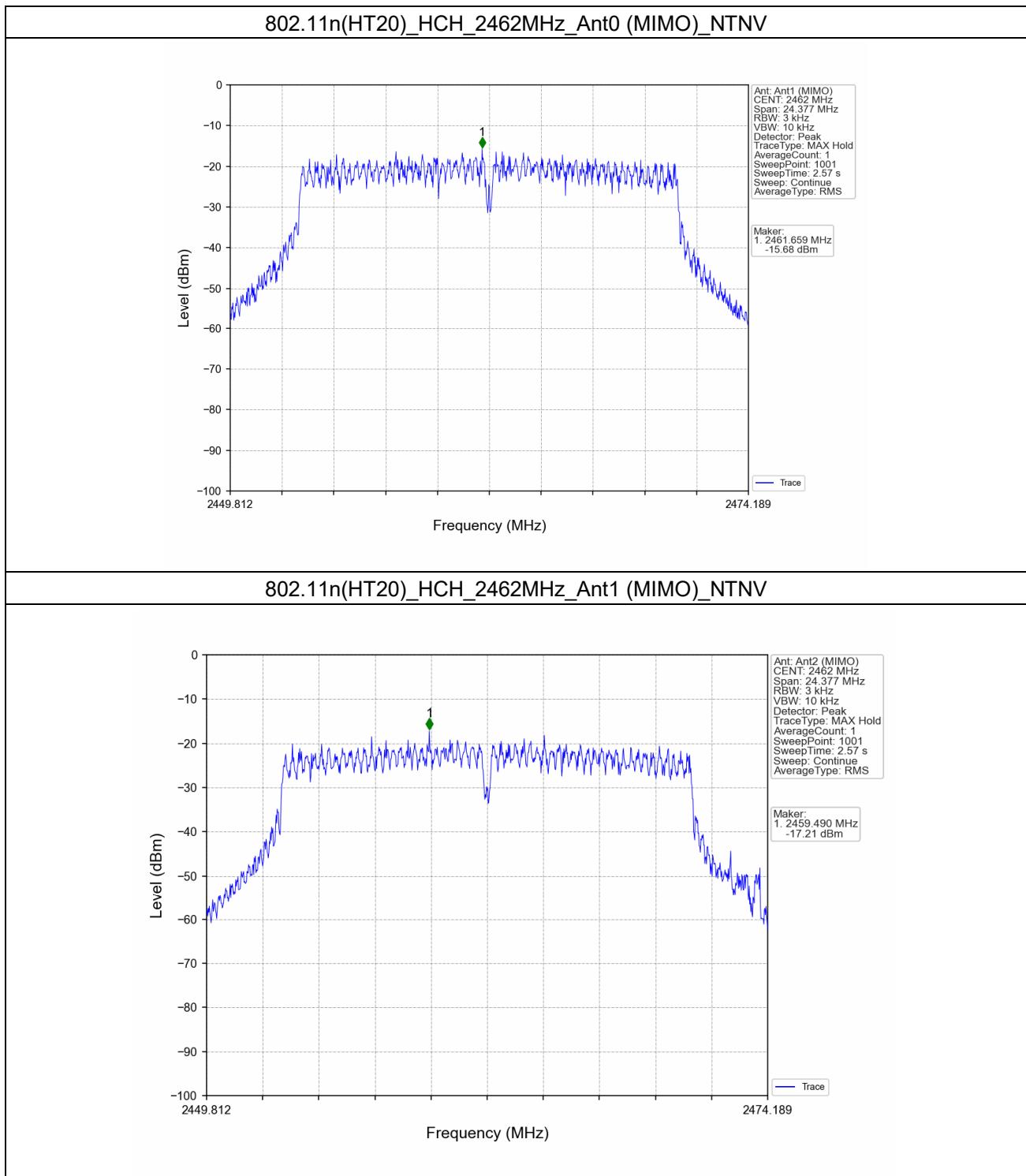
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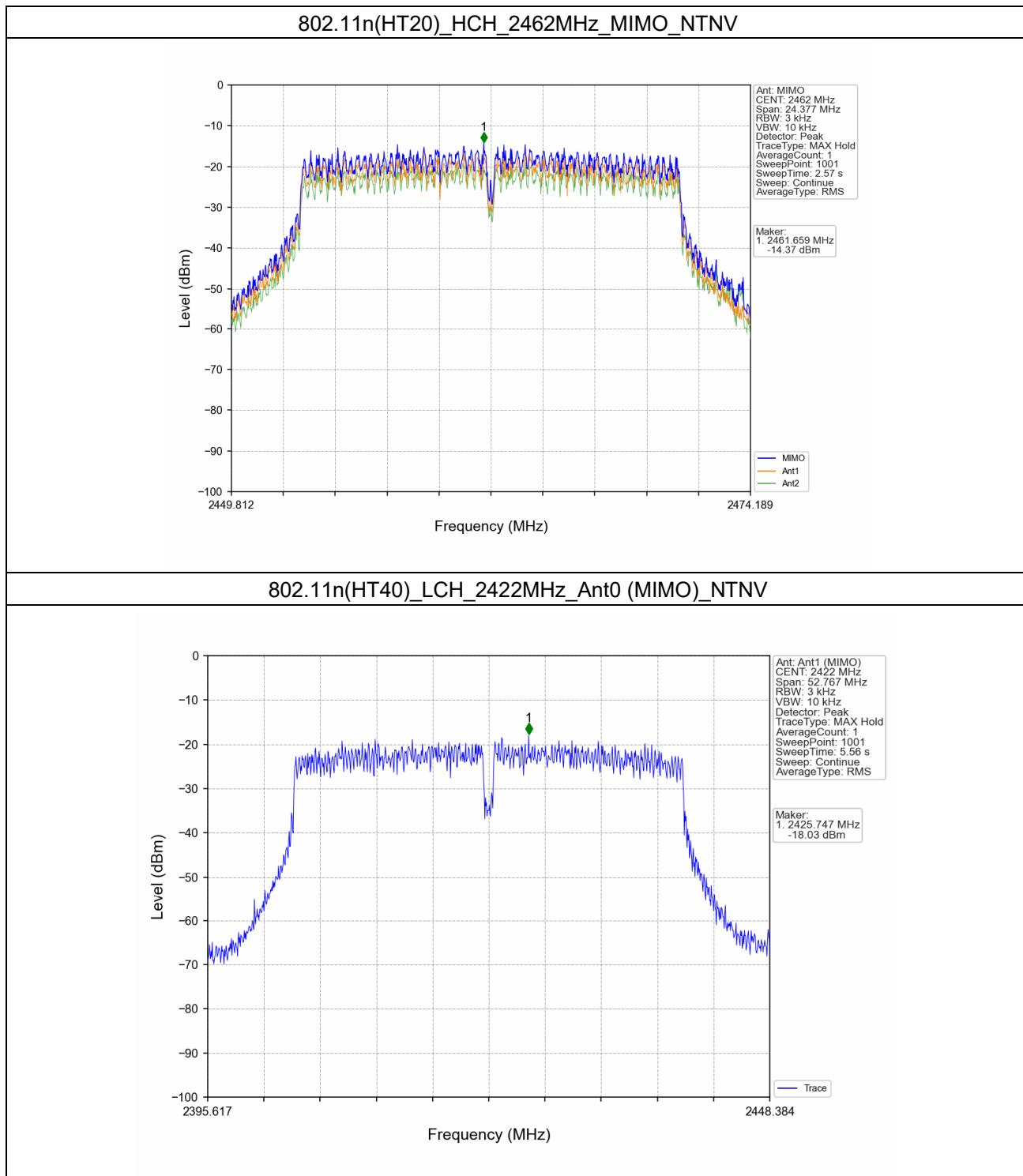
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Report No.: SZCR230400113904

Page: 123 of 161

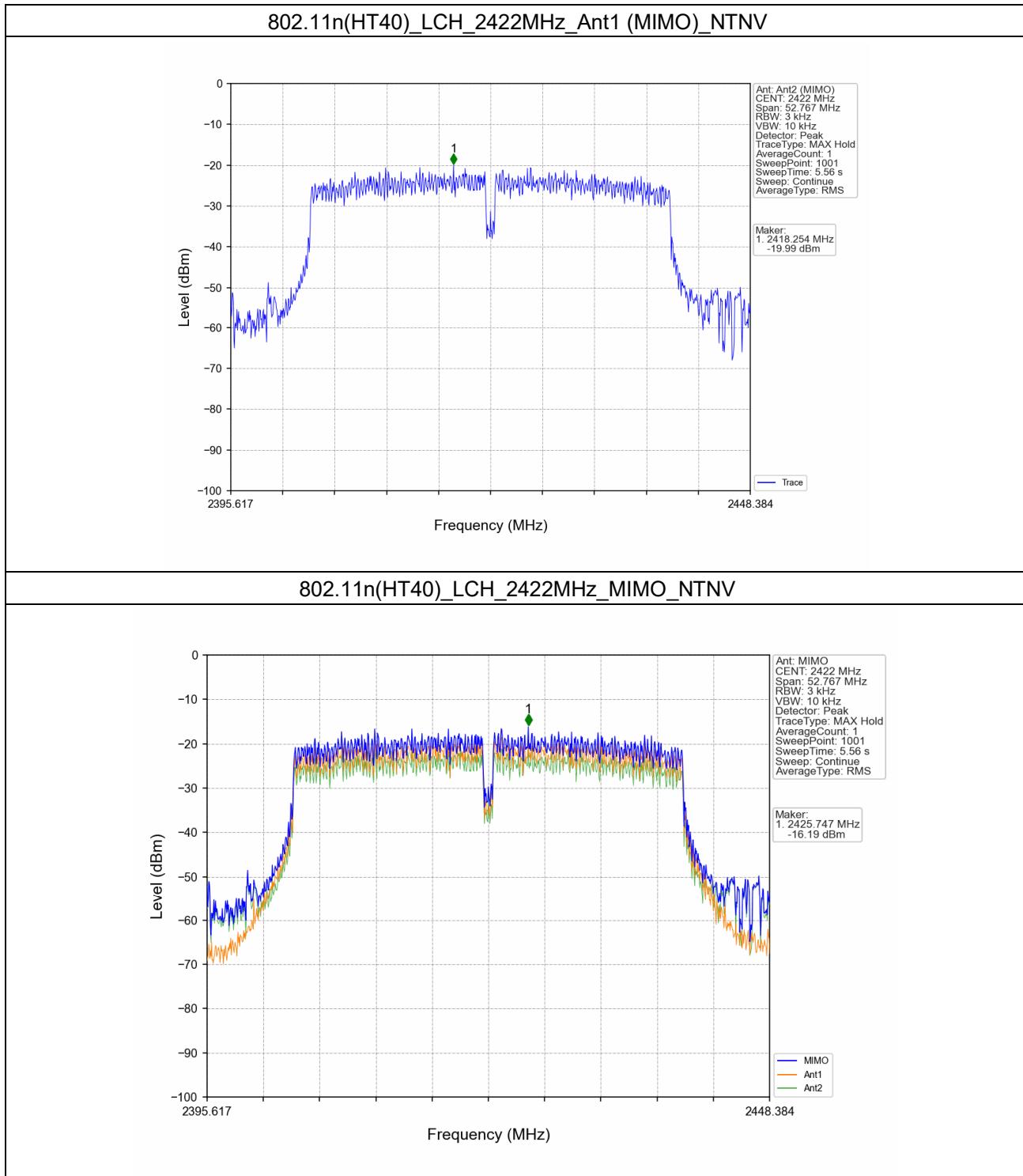


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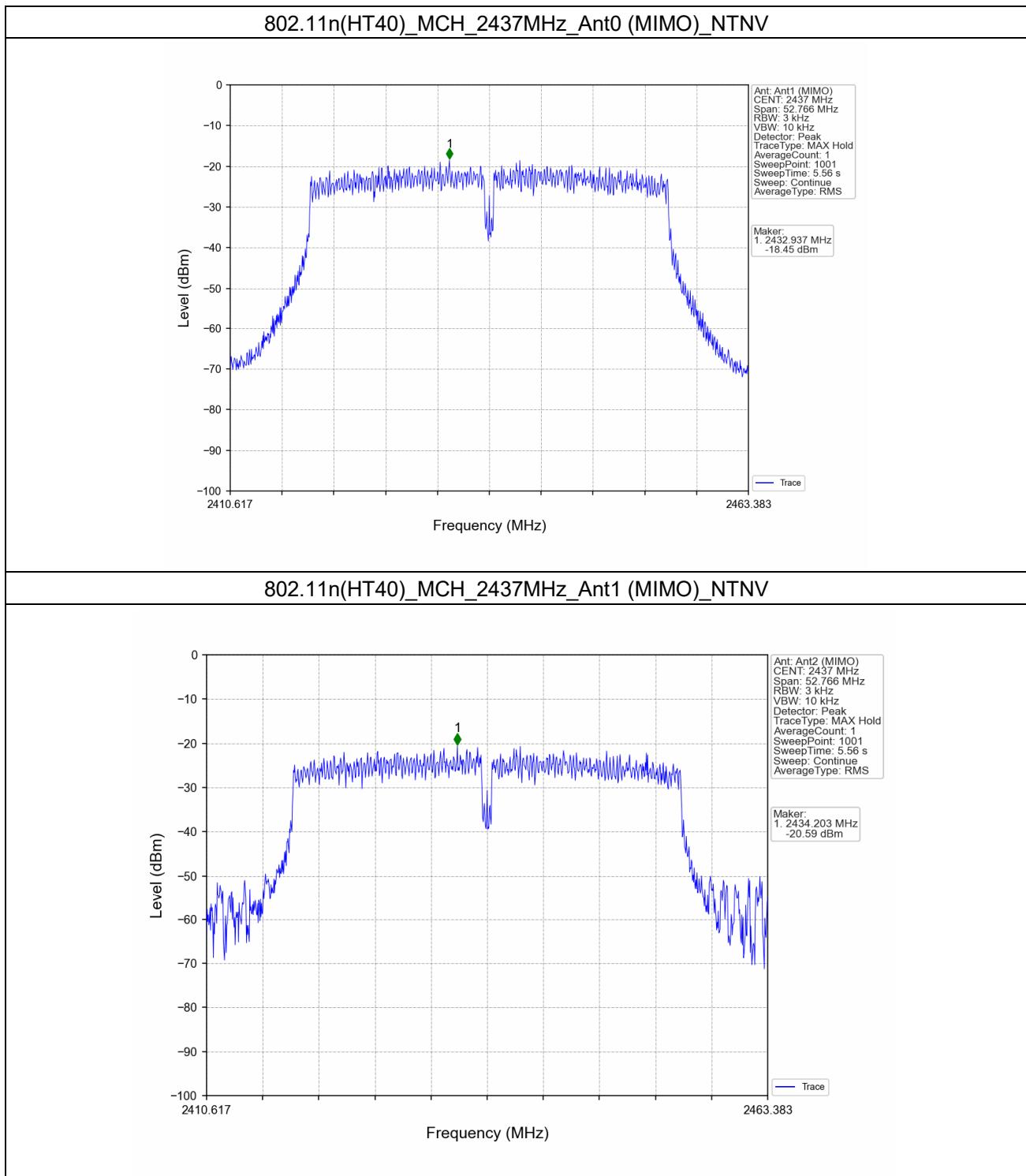
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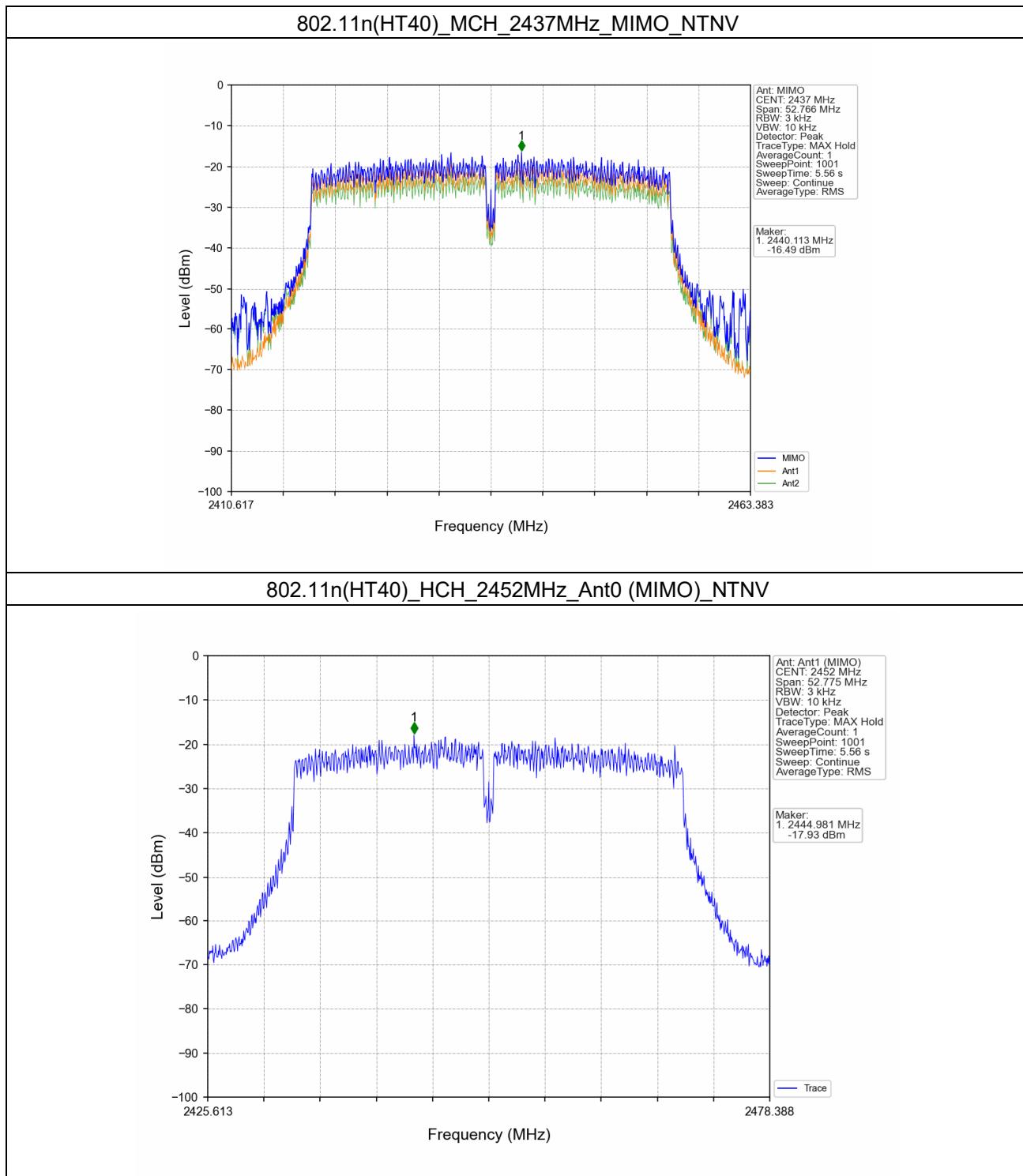


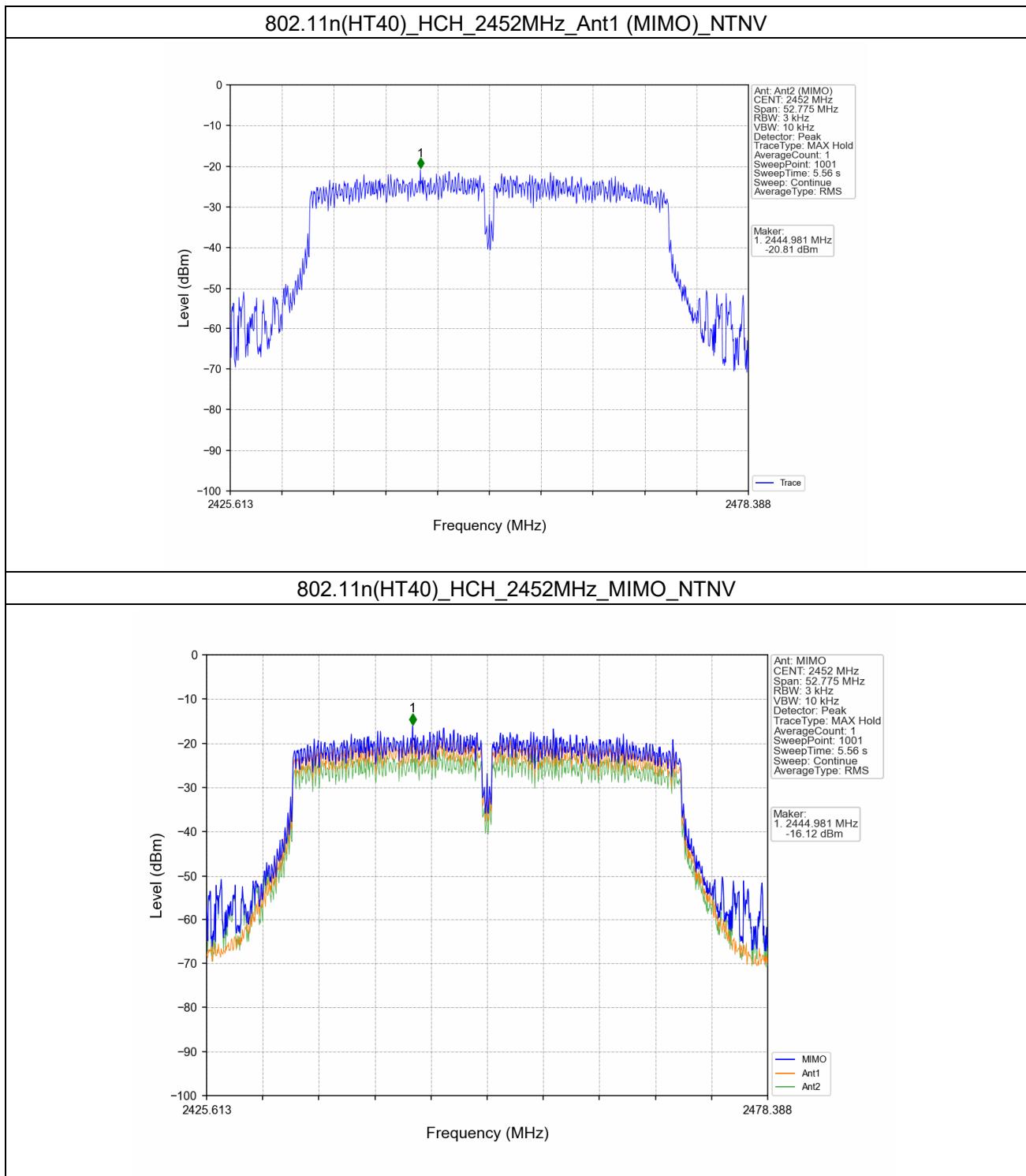
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## 5. Unwanted Emissions In Non-restricted Frequency Bands

### 5.1 Ref

#### 5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	0	-0.62
			1	-4.44
		2437	0	-1.10
			1	-4.79
		2462	0	-0.61
			1	-5.21
802.11g	SISO	2412	0	-0.50
			1	-2.64
		2437	0	-0.25
			1	-3.62
		2462	0	-1.02
			1	-3.53
802.11n (HT20)	MIMO	2412	0	-0.75
			1	-3.29
		2437	0	-0.80
			1	-4.03
		2462	0	-1.45
			1	-4.59
802.11n (HT40)	MIMO	2422	0	-3.54
			1	-6.01
		2437	0	-3.94
			1	-6.35
		2452	0	-3.84
			1	-6.71

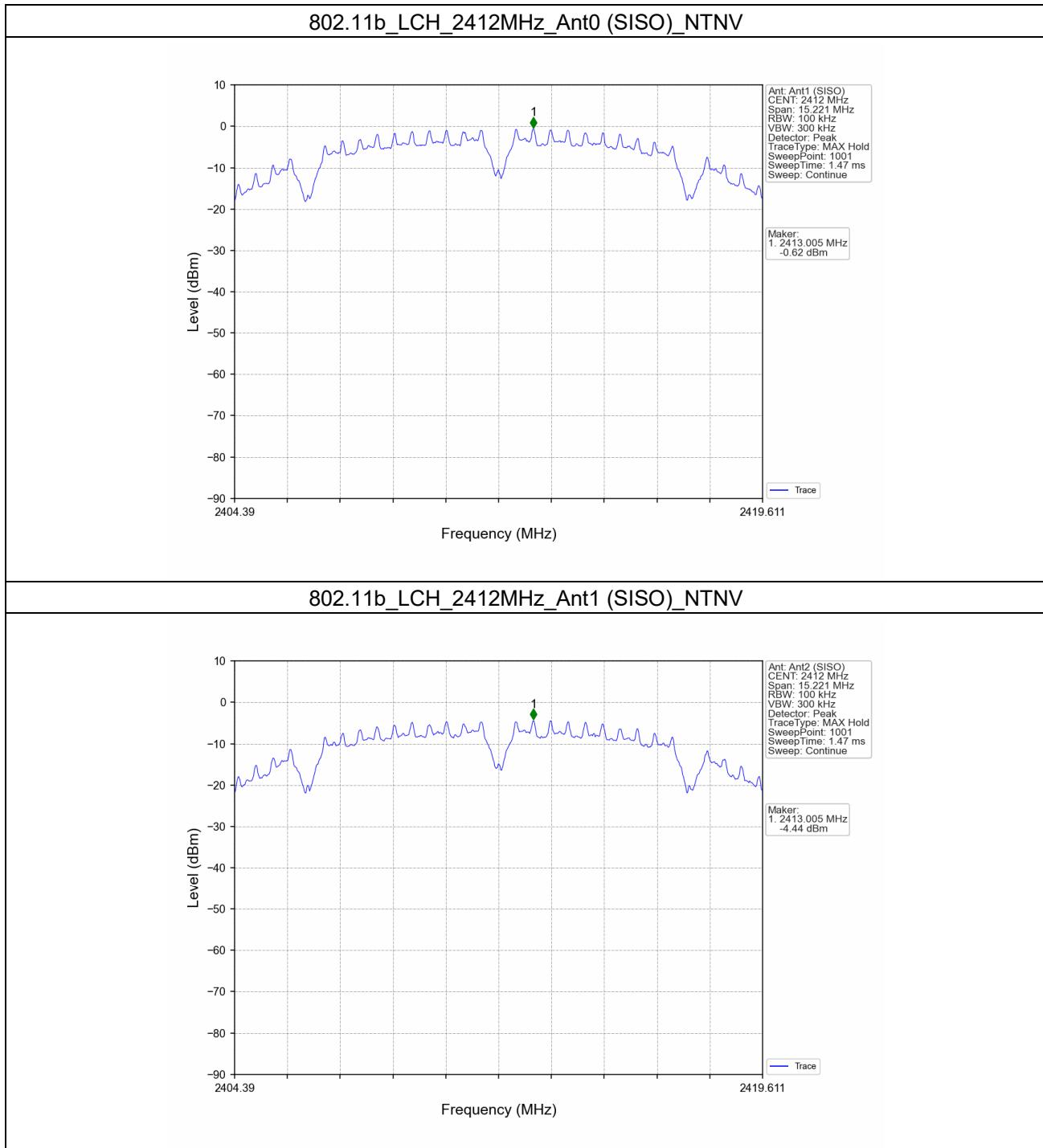


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### 5.1.2 Test Graph



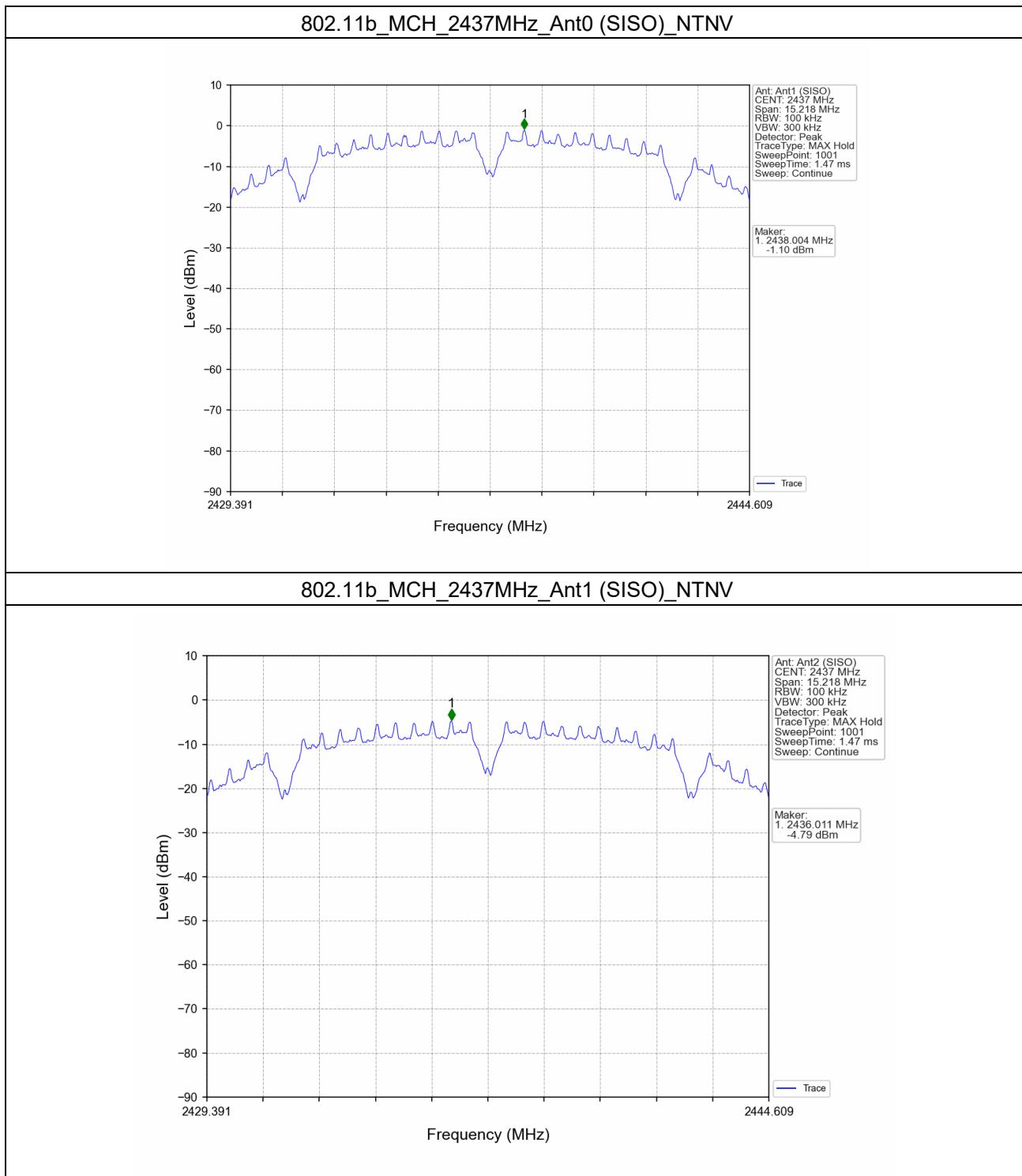
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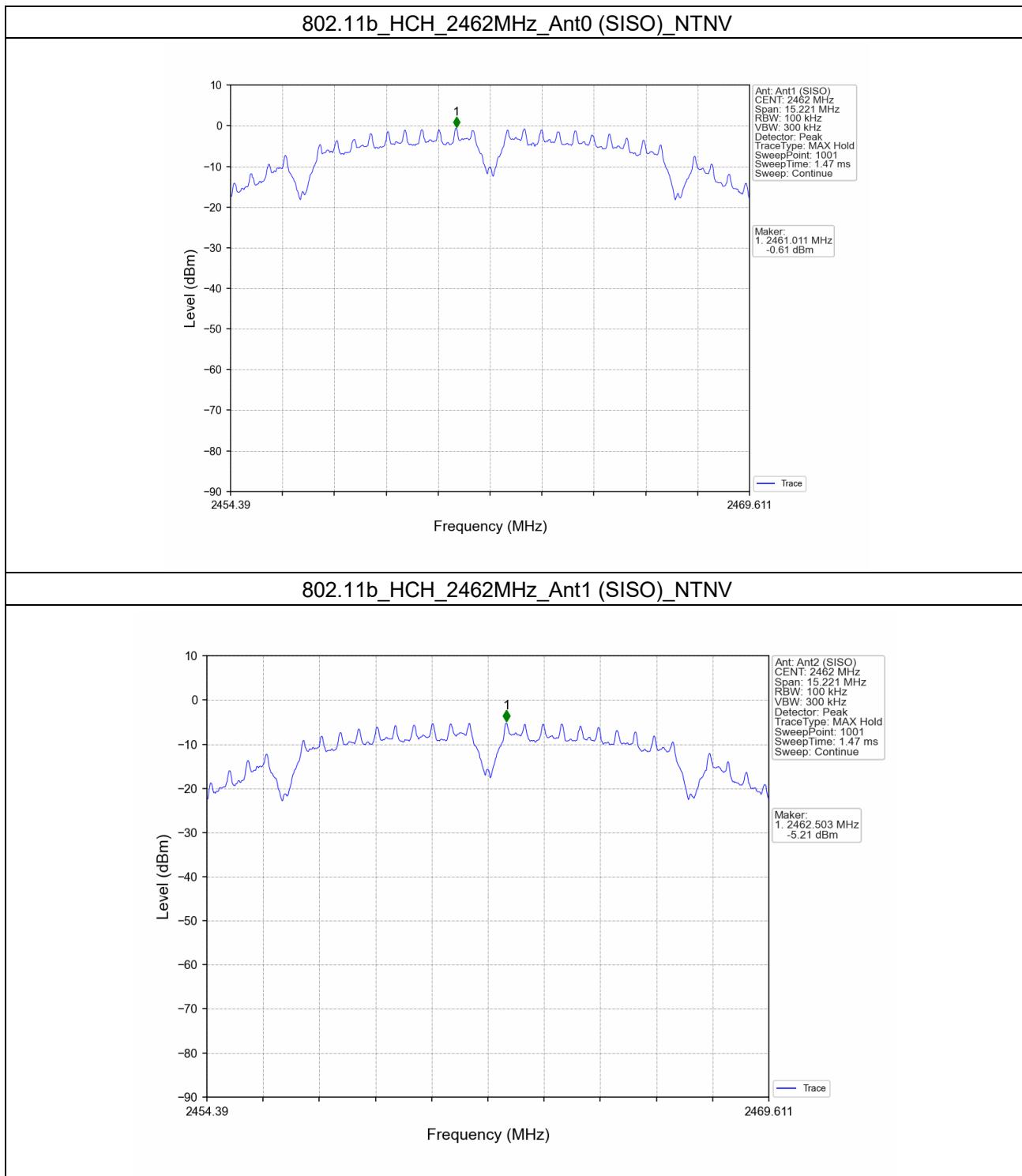


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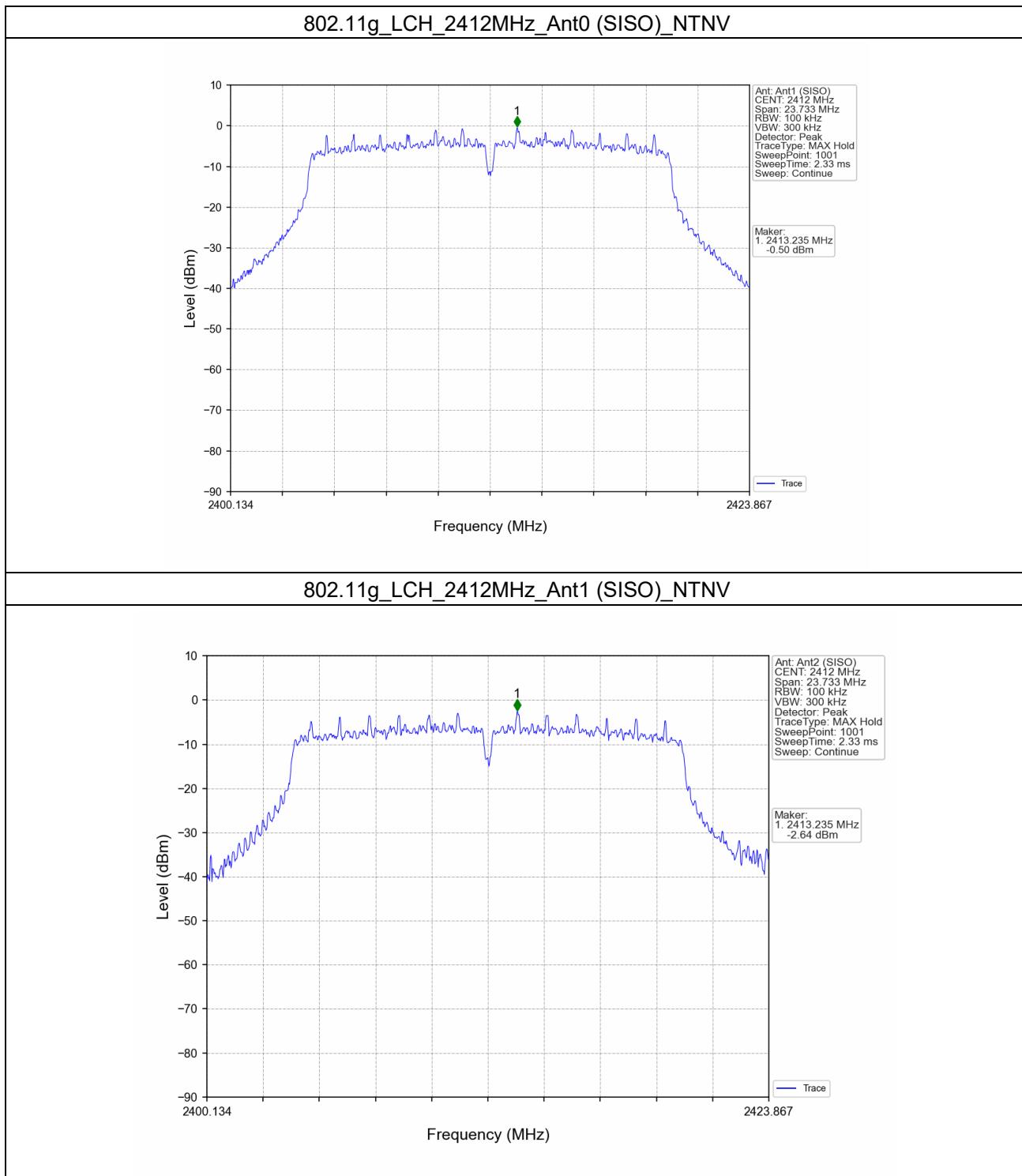


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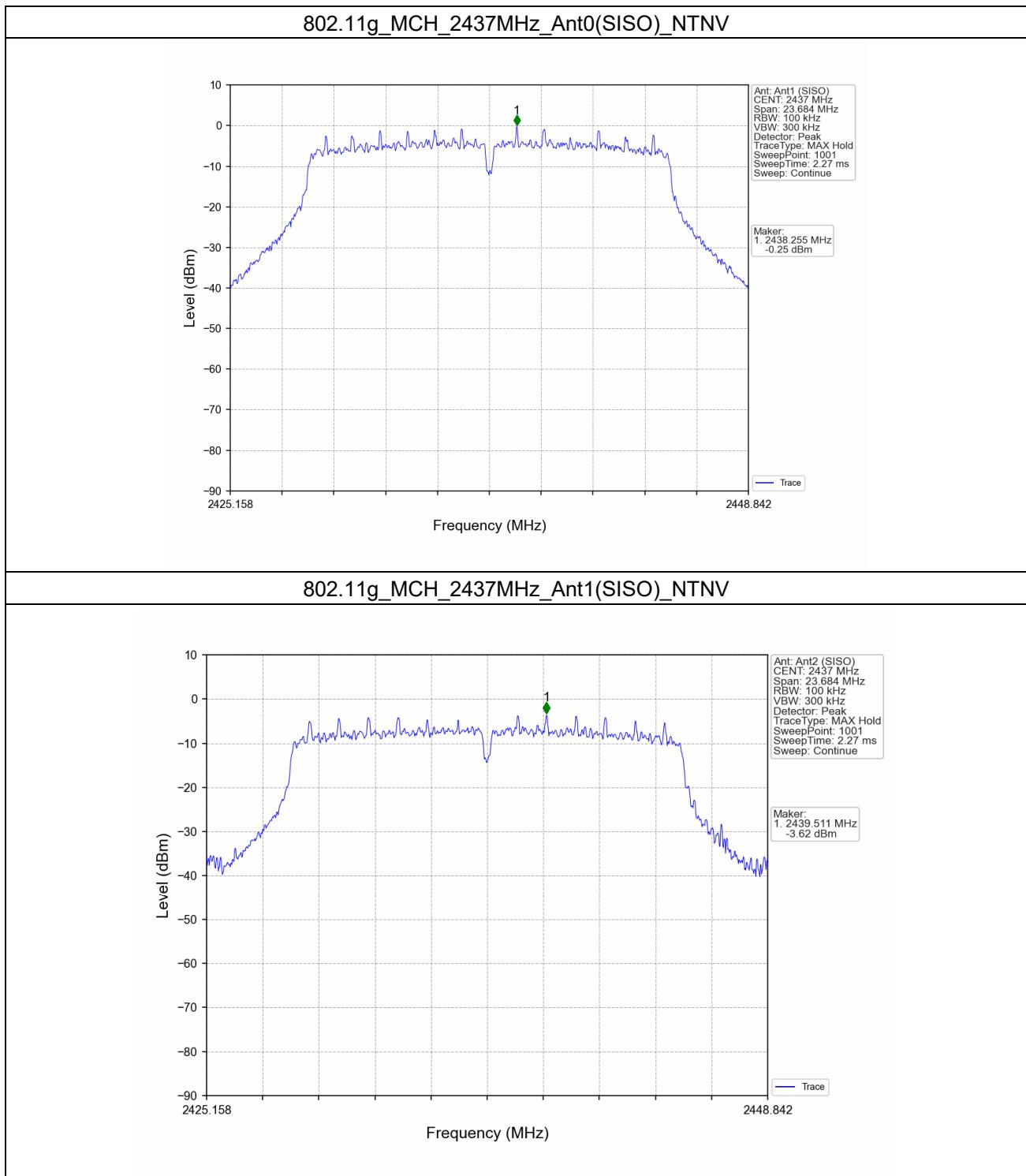
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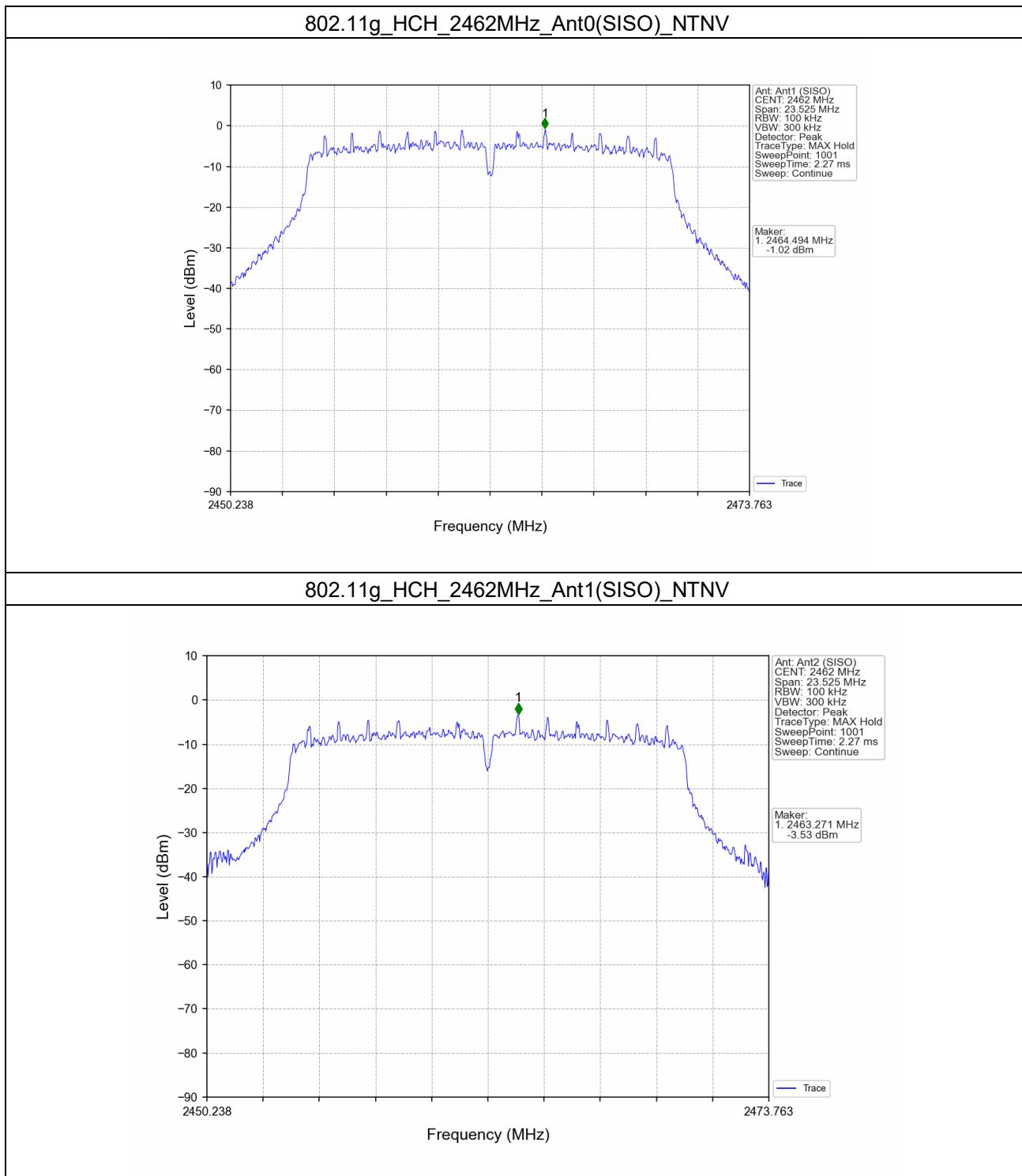
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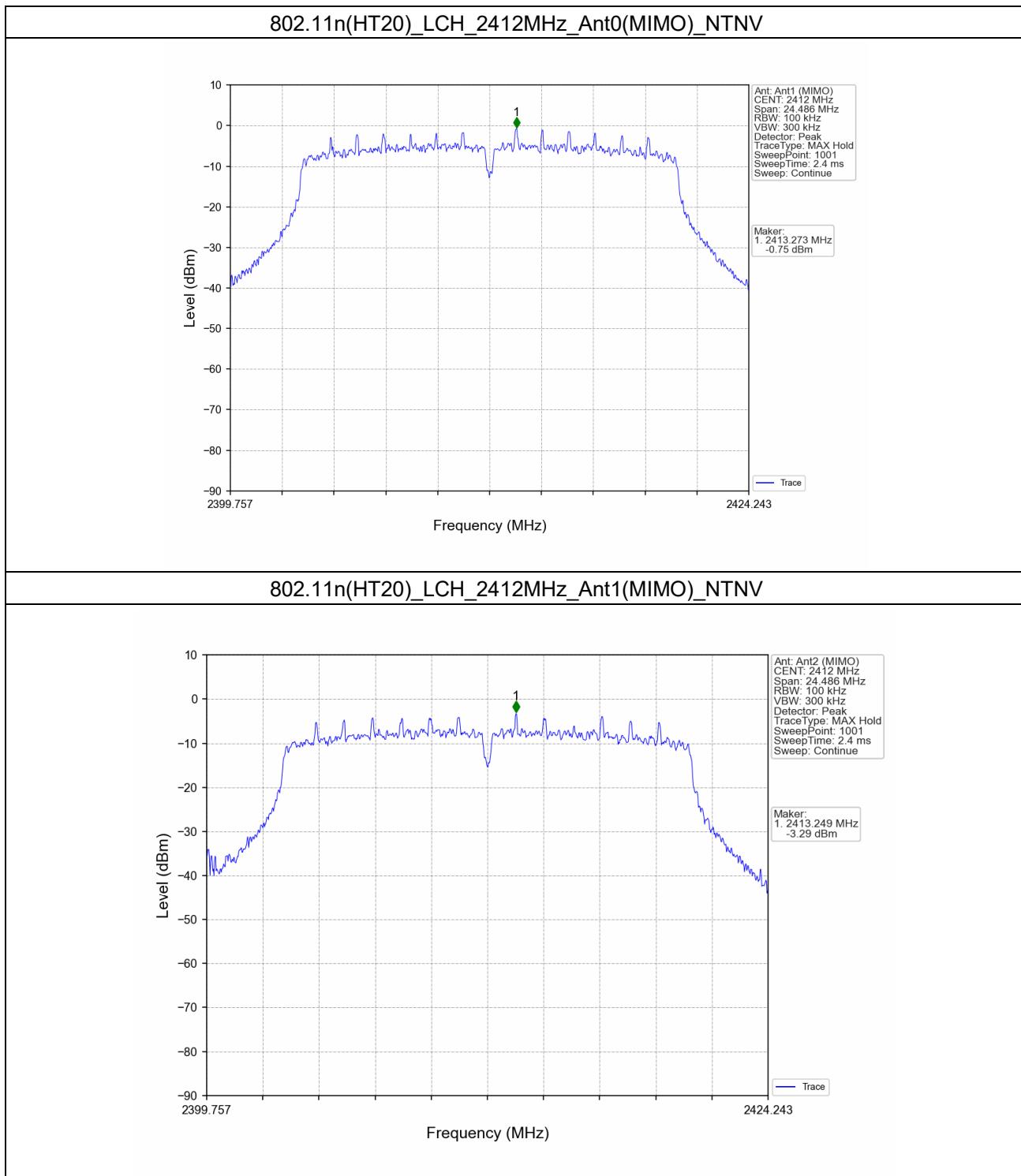
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Report No.: SZCR230400113904

Page: 135 of 161



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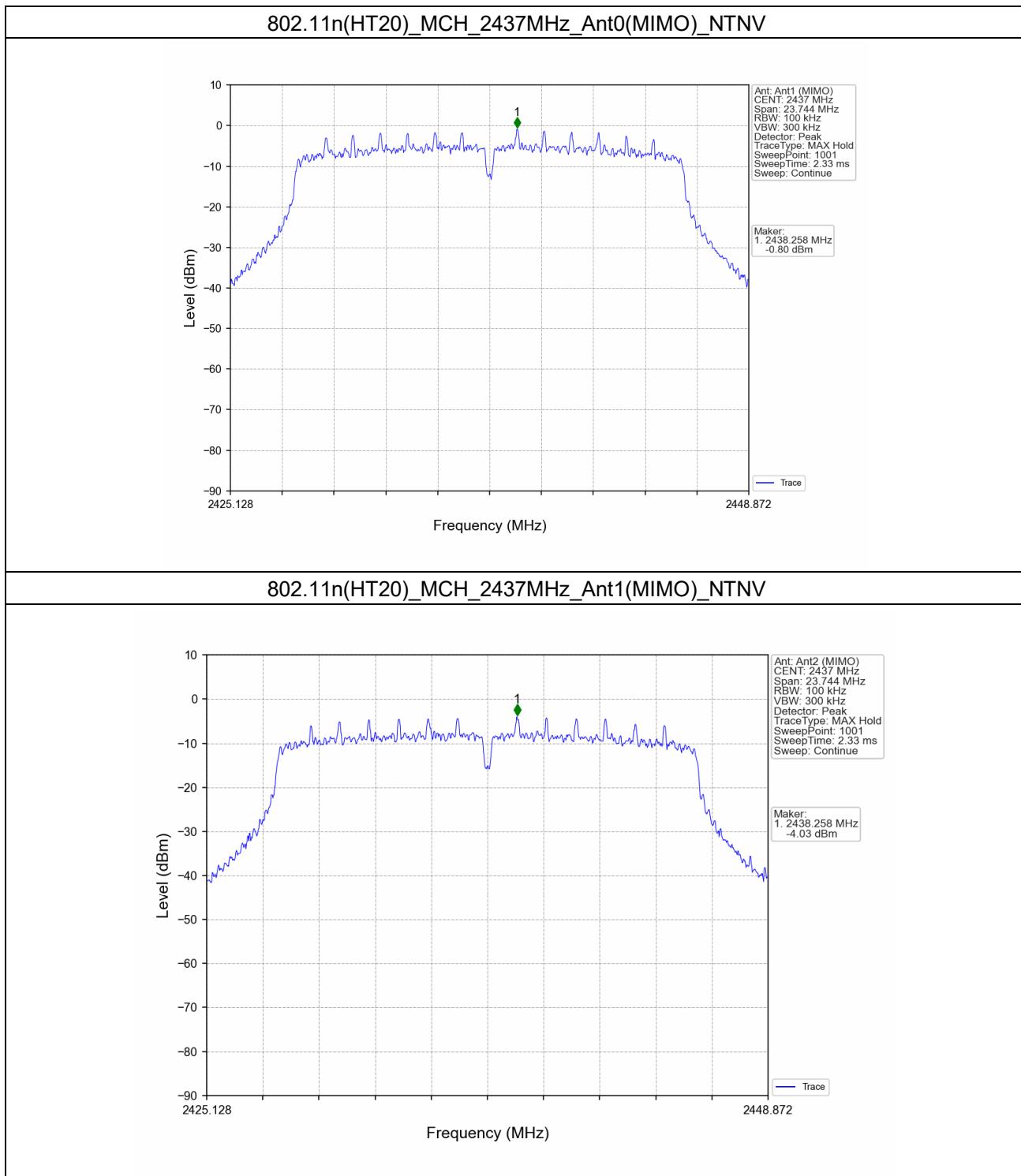
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Report No.: SZCR230400113904

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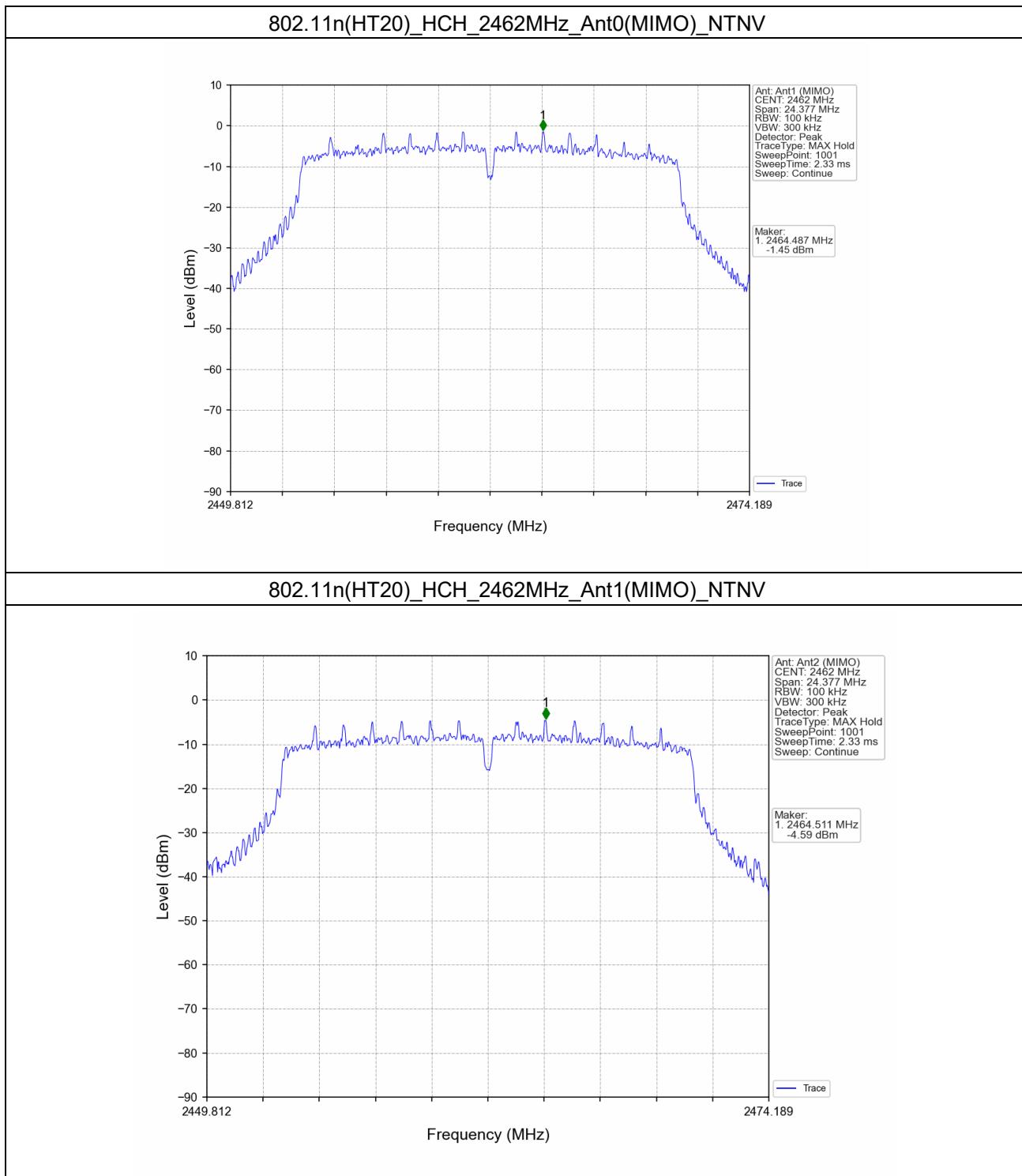
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Report No.: SZCR230400113904

Page: 137 of 161

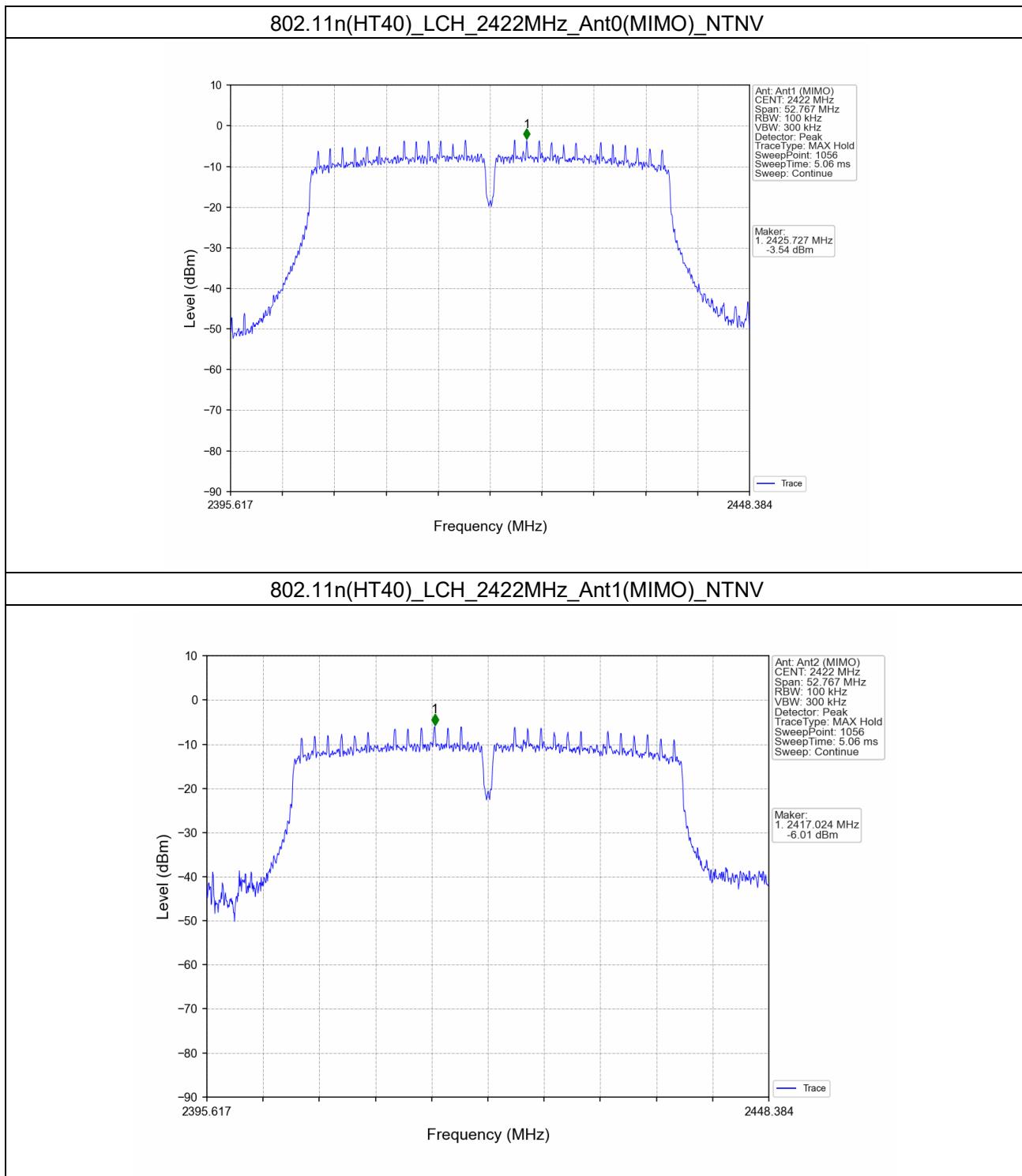


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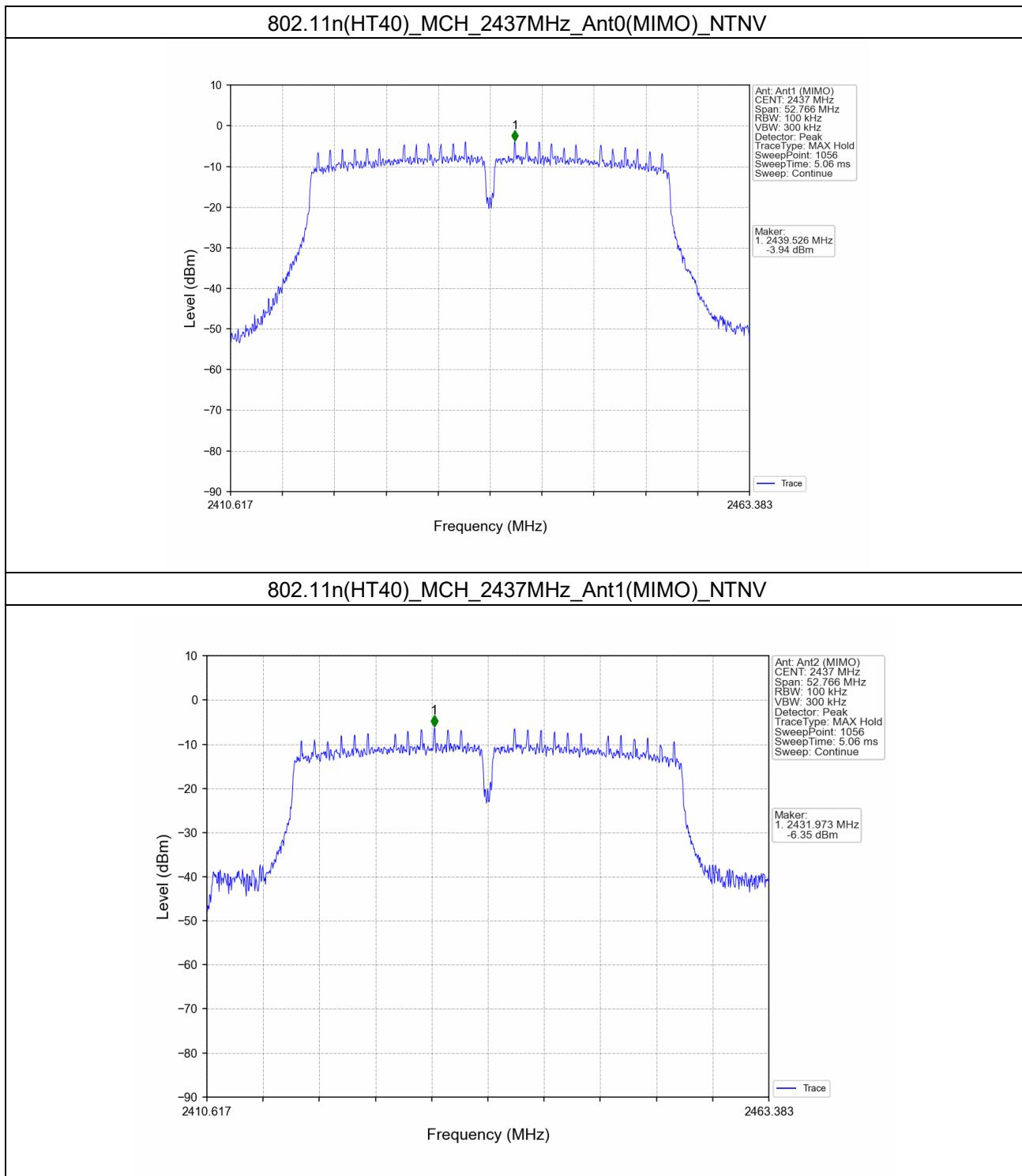


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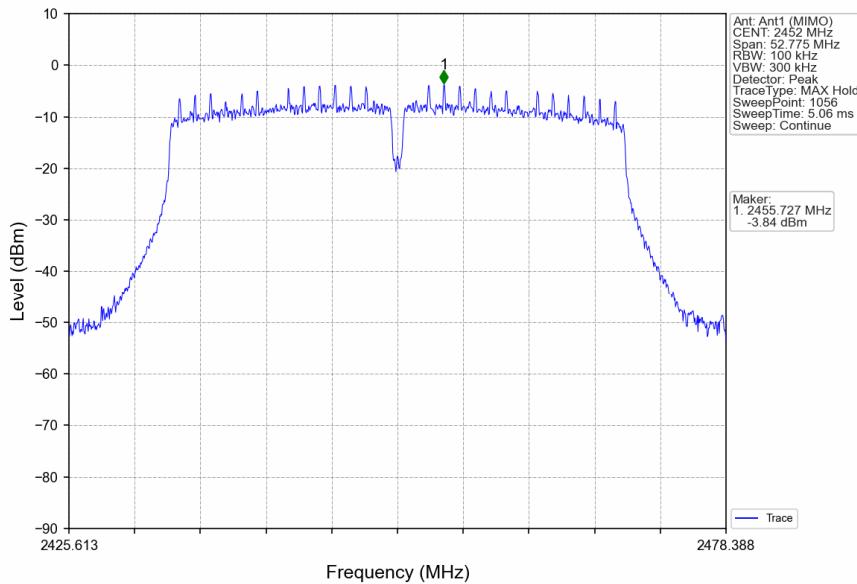
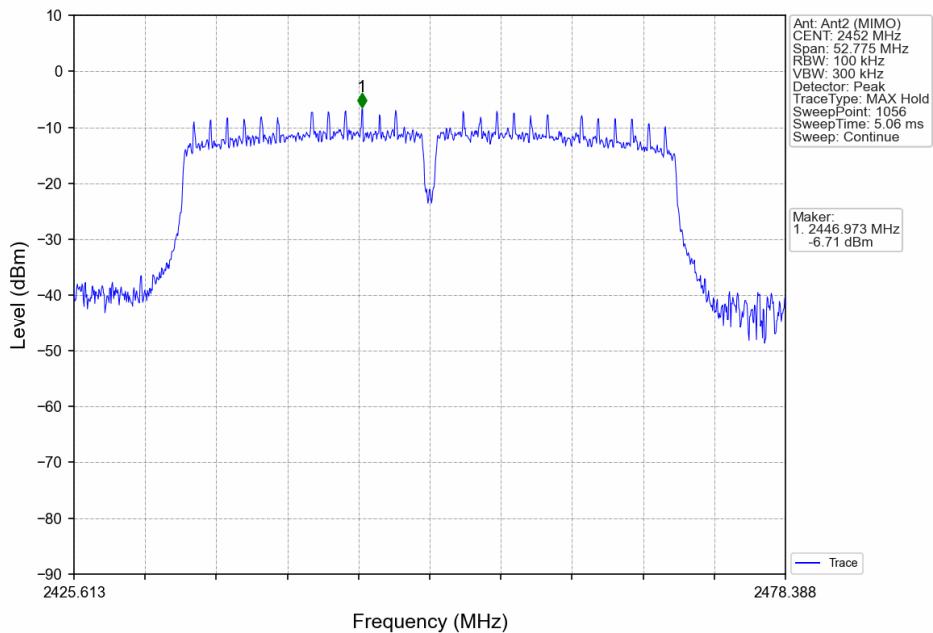


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**802.11n(HT40)\_HCH\_2452MHz\_Ant0(MIMO)\_NTNV****802.11n(HT40)\_HCH\_2452MHz\_Ant1(MIMO)\_NTNV**

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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	0	-0.61	-30.61	Pass
			1	-4.44	-34.44	Pass
		2437	0	-0.61	-30.61	Pass
			1	-4.44	-34.44	Pass
		2462	0	-0.61	-30.61	Pass
			1	-4.44	-34.44	Pass
		2412	0	-0.25	-30.25	Pass
			1	-2.64	-32.64	Pass
802.11g	SISO	2437	0	-0.25	-30.25	Pass
			1	-2.64	-32.64	Pass
		2462	0	-0.25	-30.25	Pass
			1	-2.64	-32.64	Pass
		2412	0	-0.75	-30.75	Pass
			1	-3.29	-33.29	Pass
		2437	0	-0.75	-30.75	Pass
			1	-3.29	-33.29	Pass
802.11n (HT20)	MIMO	2462	0	-0.75	-30.75	Pass
			1	-3.29	-33.29	Pass
		2412	0	-3.54	-33.54	Pass
			1	-6.01	-36.01	Pass
		2437	0	-3.54	-33.54	Pass
			1	-6.01	-36.01	Pass
		2452	0	-3.54	-33.54	Pass
			1	-6.01	-36.01	Pass
802.11n (HT40)	MIMO	2422	0	-3.54	-33.54	Pass
			1	-6.01	-36.01	Pass

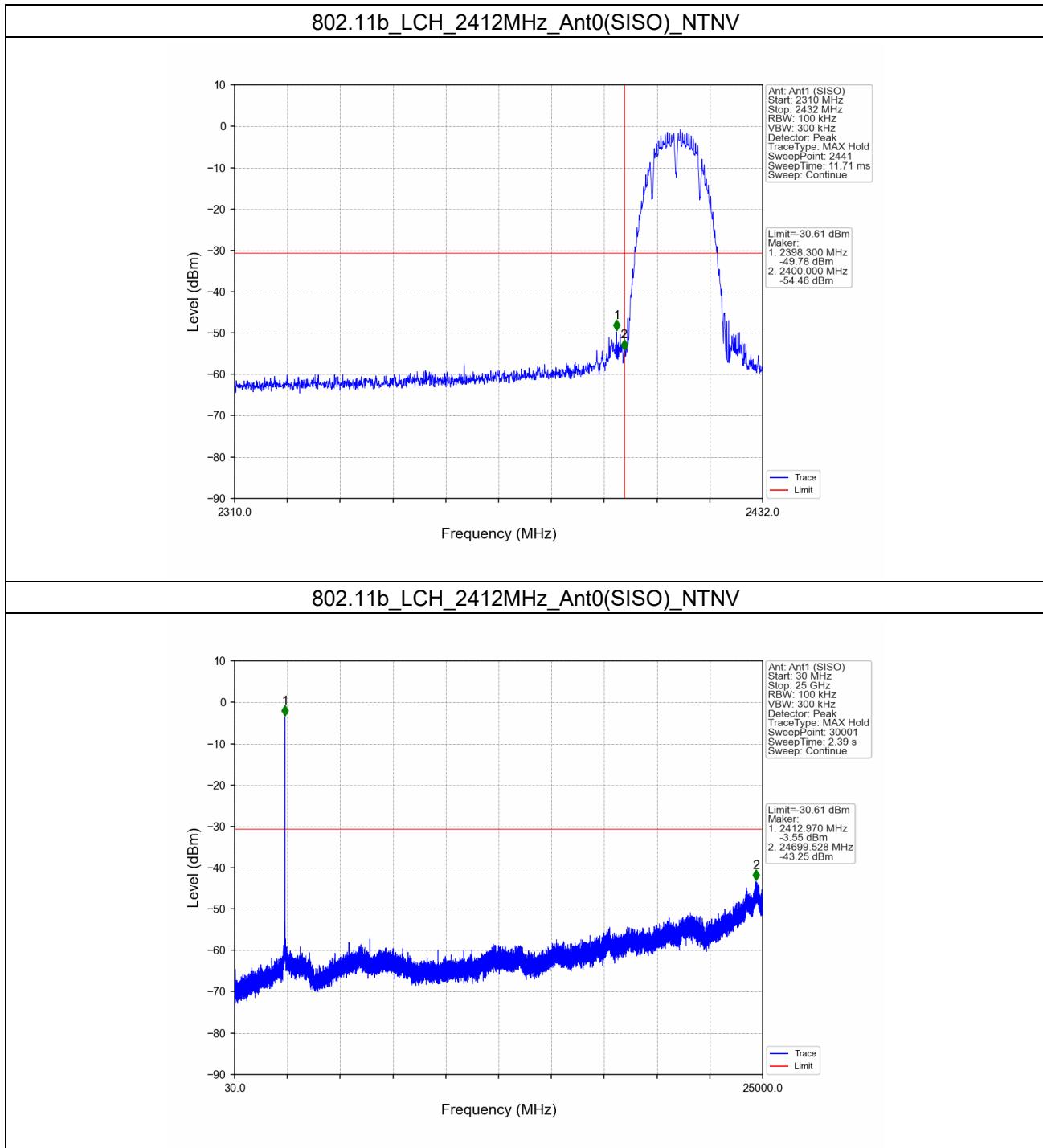
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### 5.2.2 Test Graph

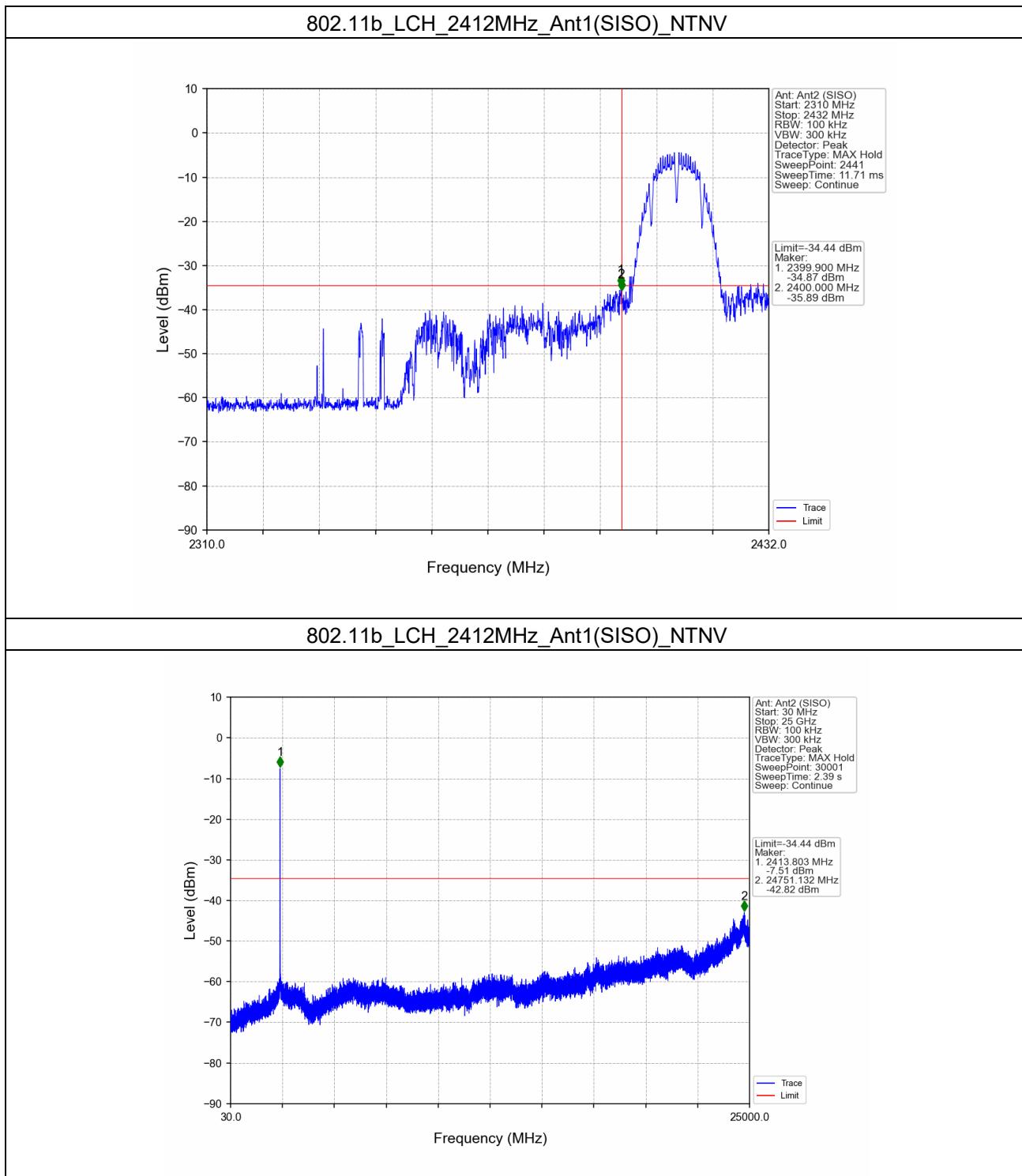


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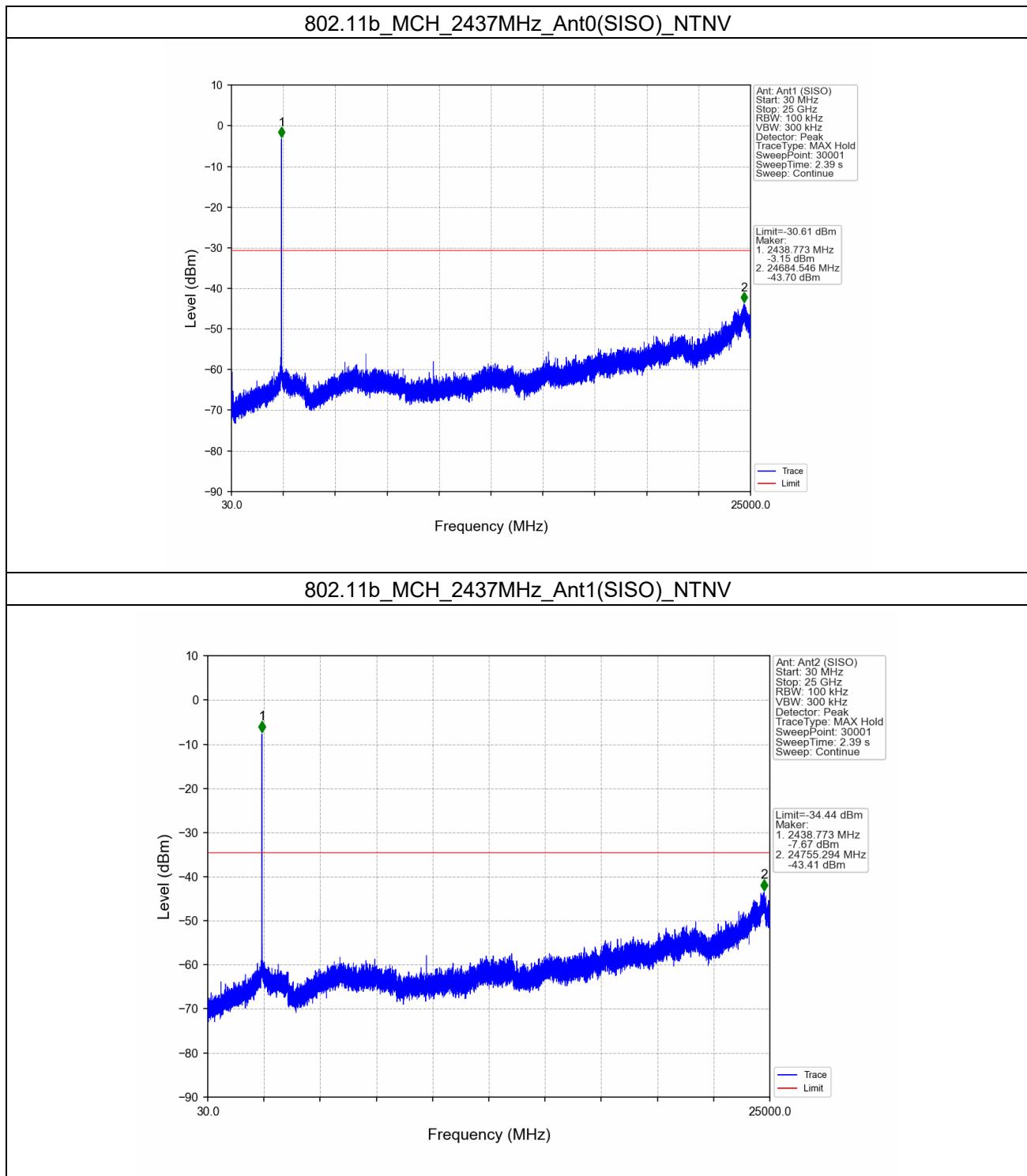


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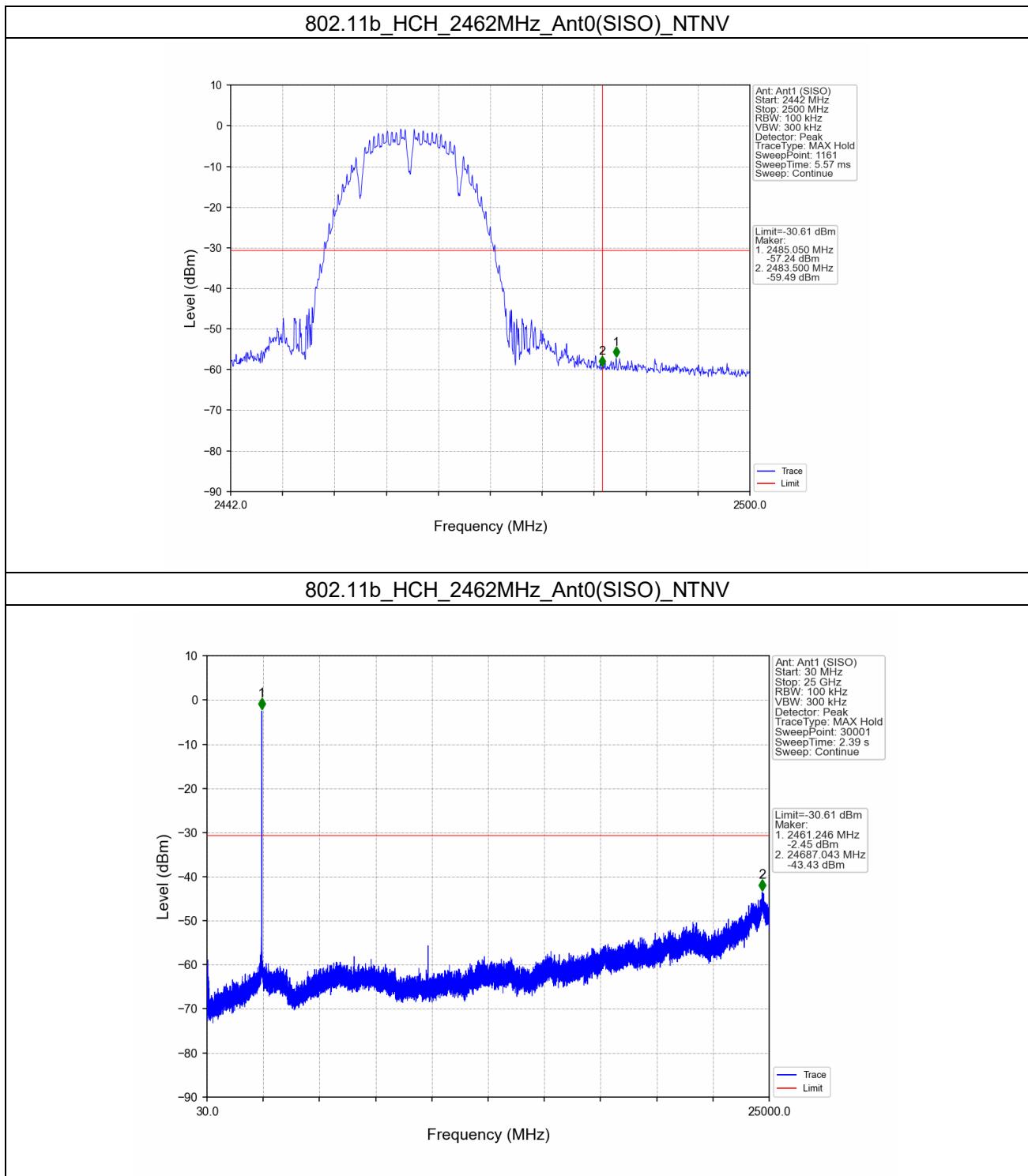


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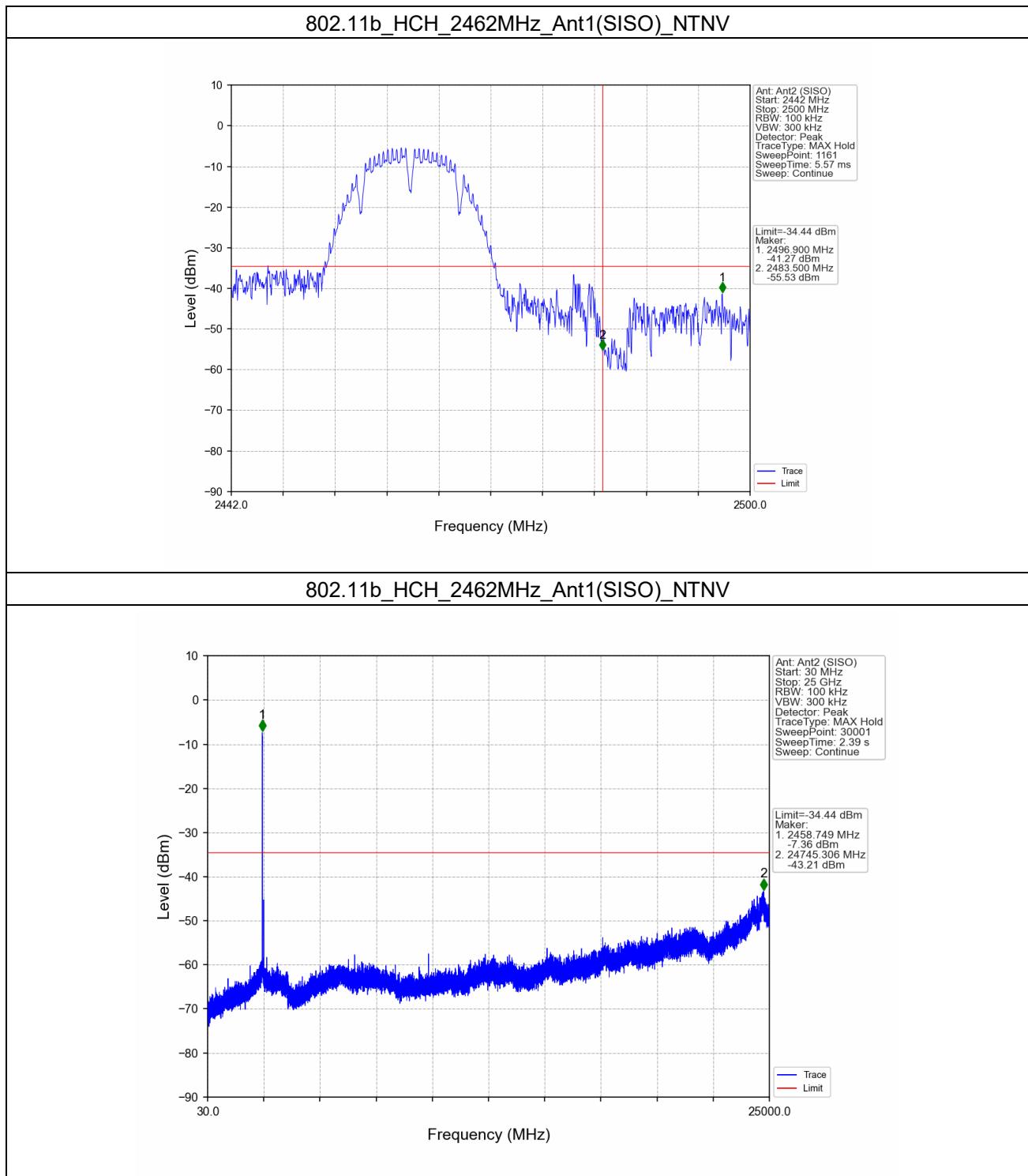
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Report No.: SZCR230400113904

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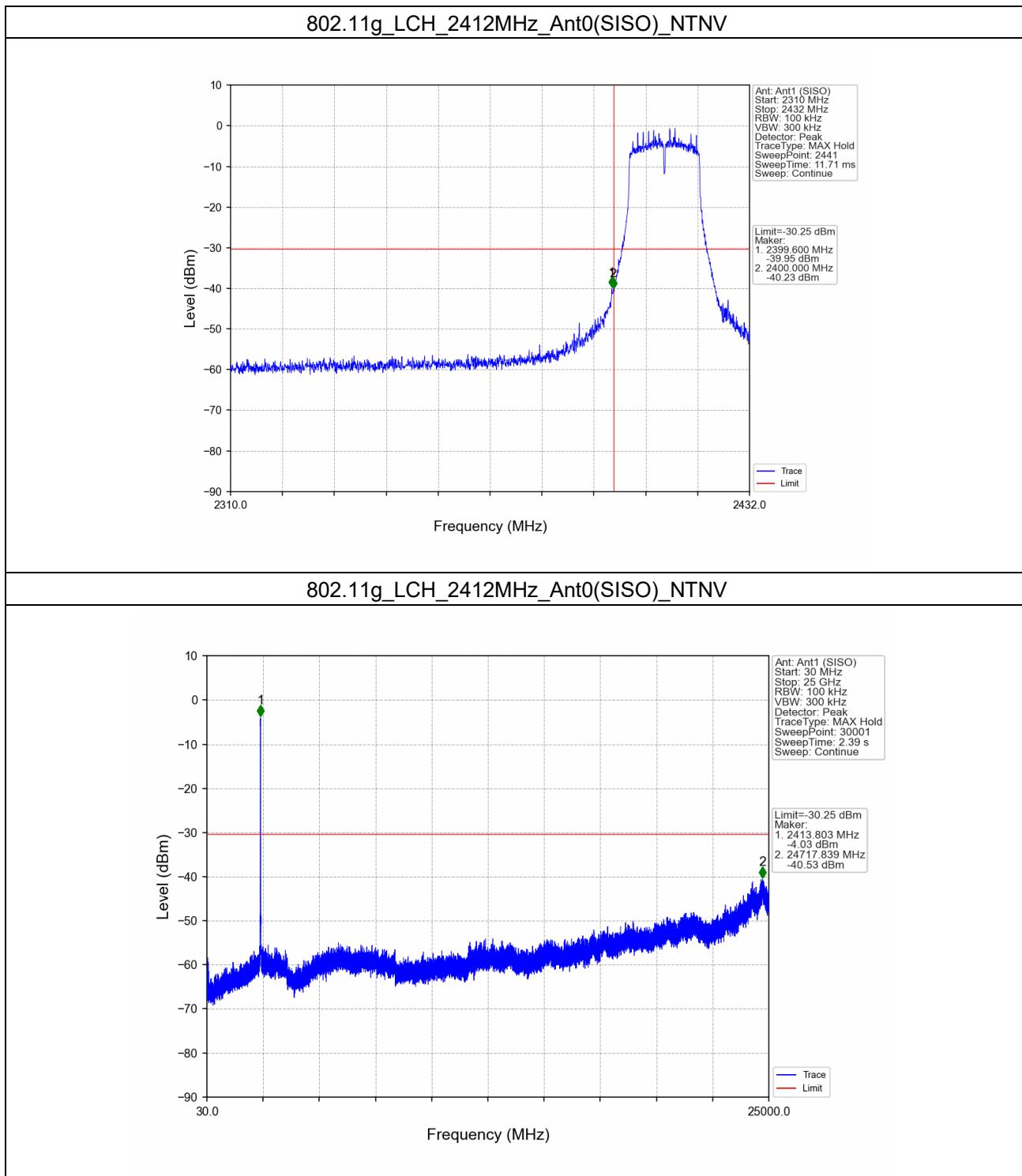
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The logo is a circular red stamp. The outer ring contains the text 'SGS-CSTC Shenzhen Branch' at the top and 'SGS-CSTC Shenzhen Branch Inspection & Testing Services Co., Ltd.' at the bottom. The inner circle features a large five-pointed star in the center, with the words '检验检测专用章' (Inspection & Testing Services Special Seal) written in a circular path around it.

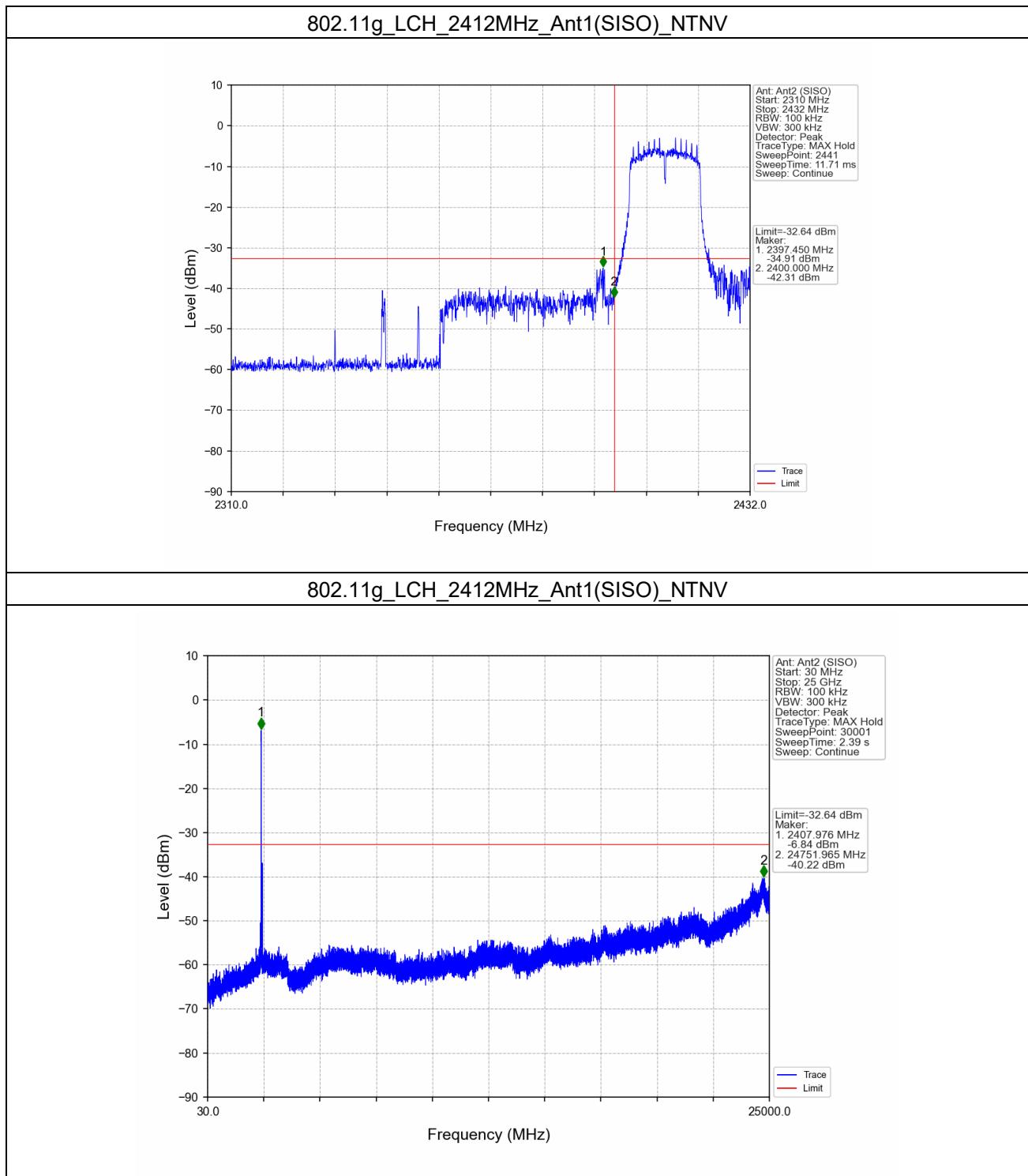
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SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230400113904

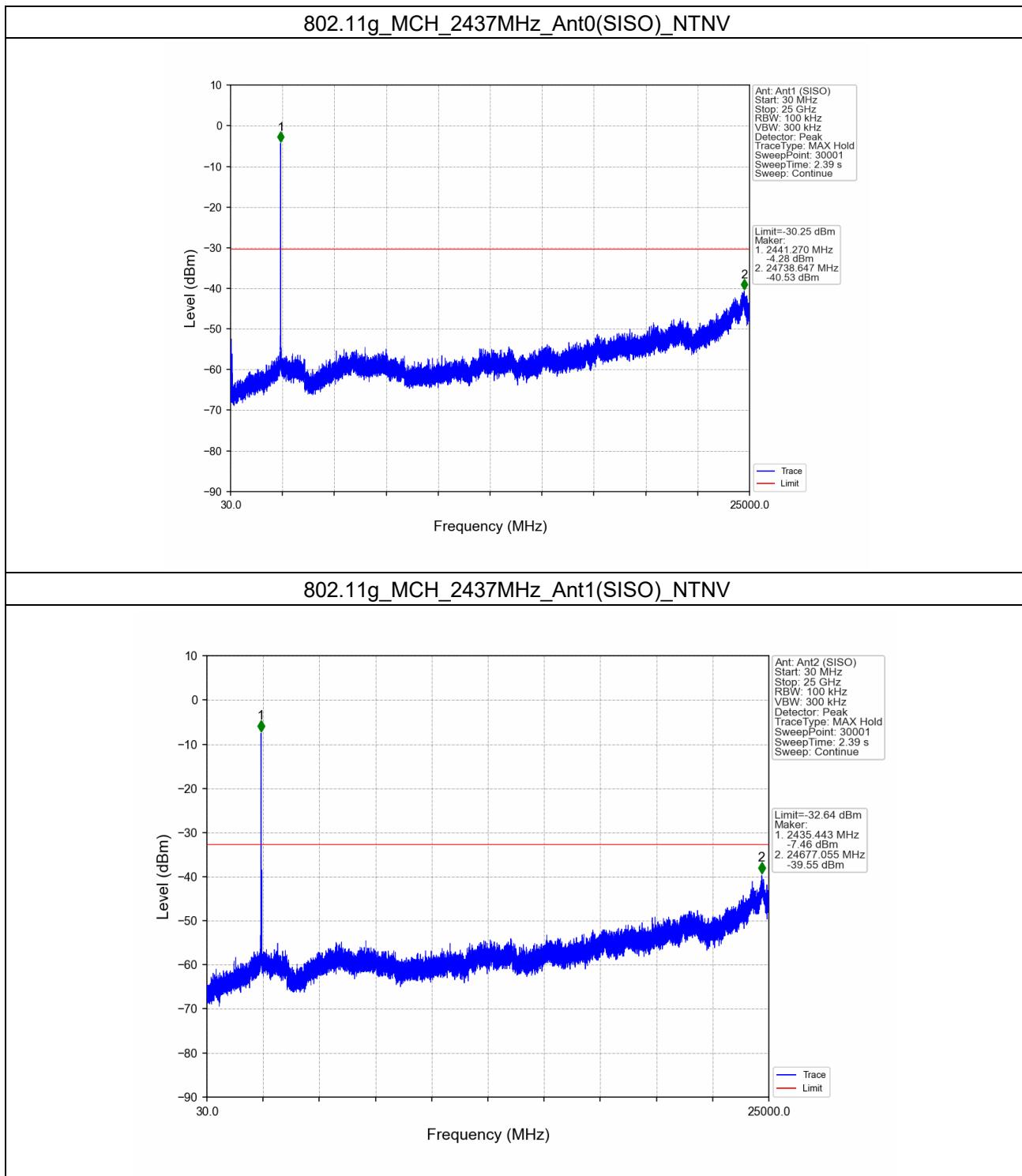
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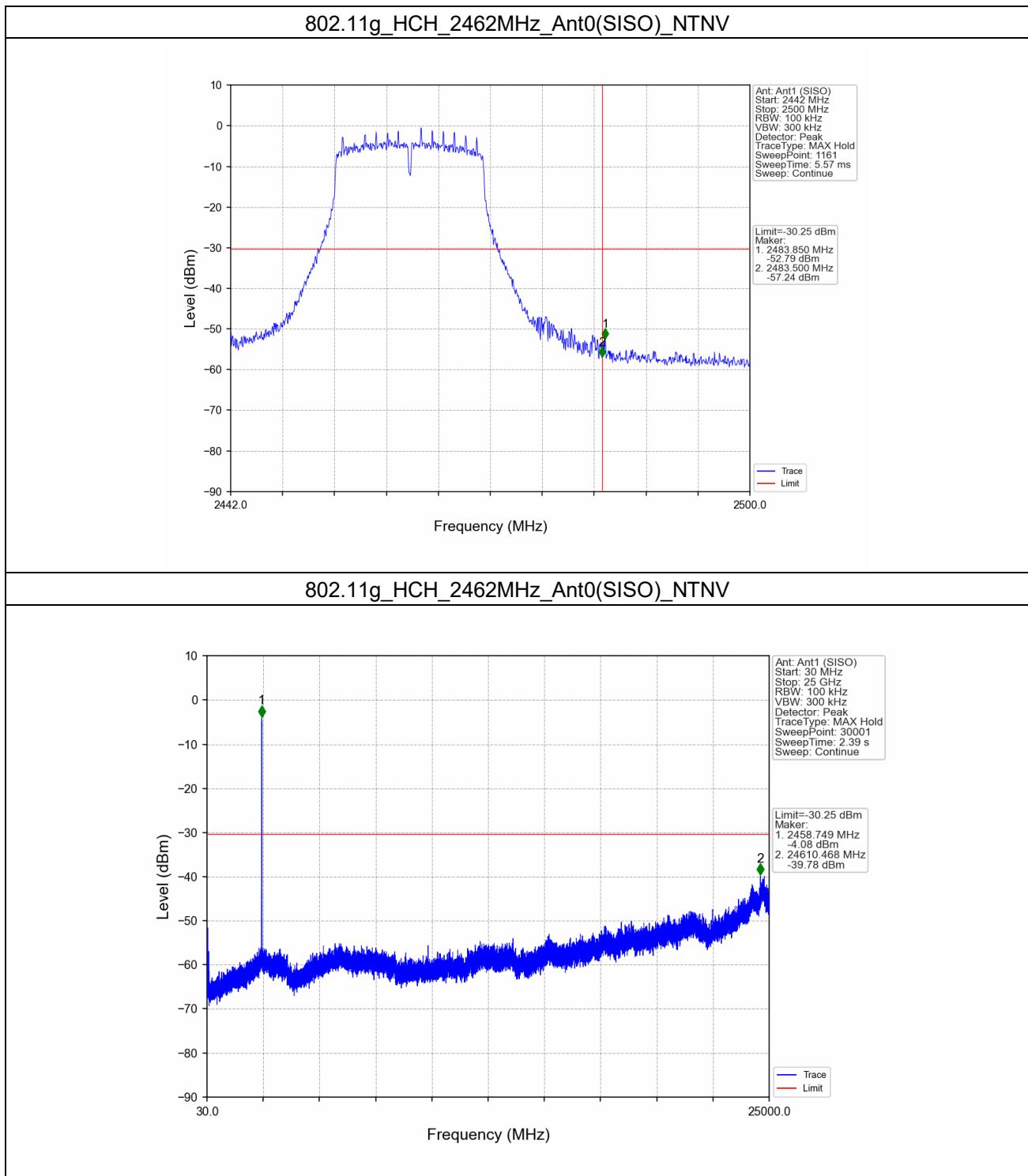


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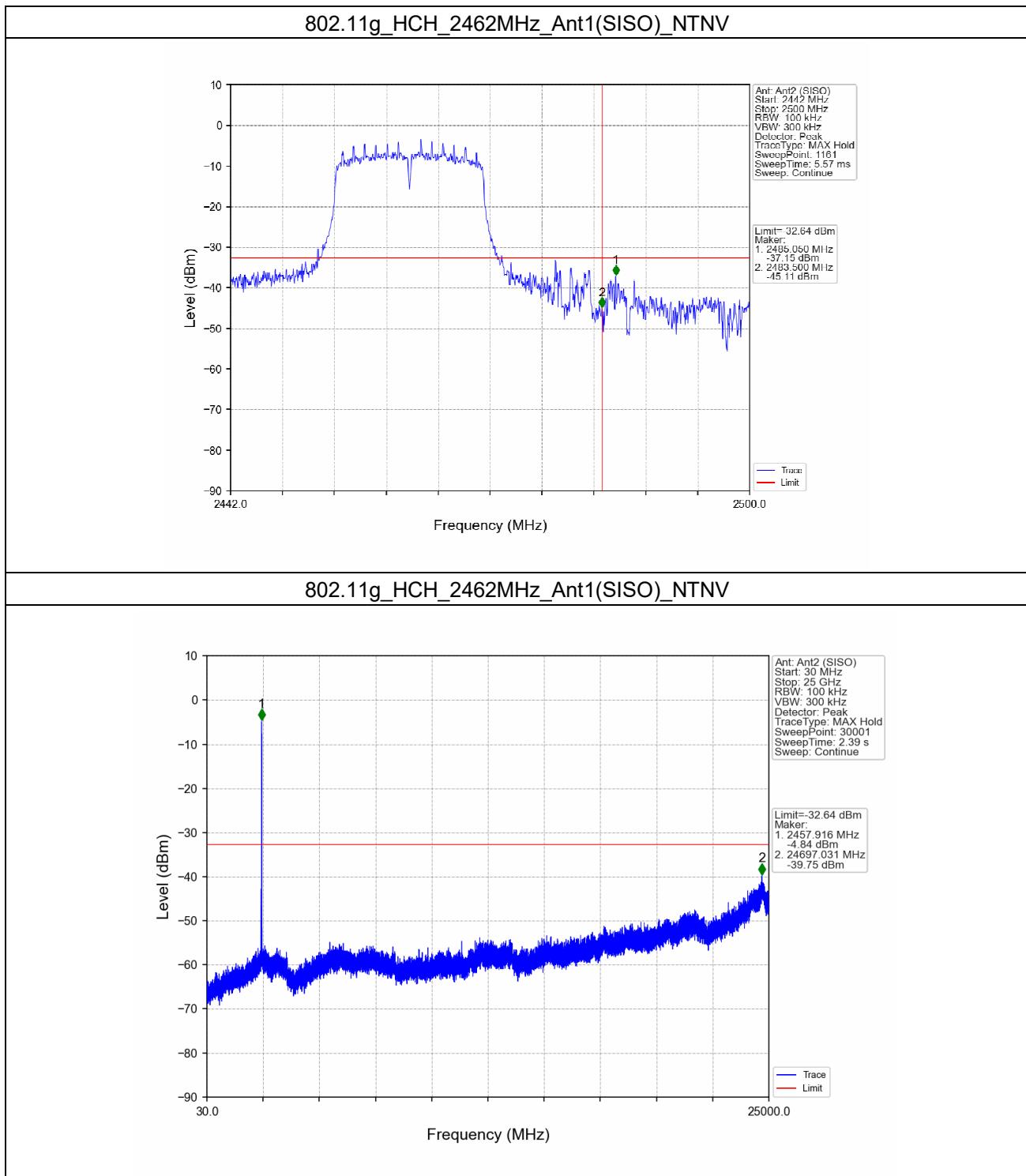


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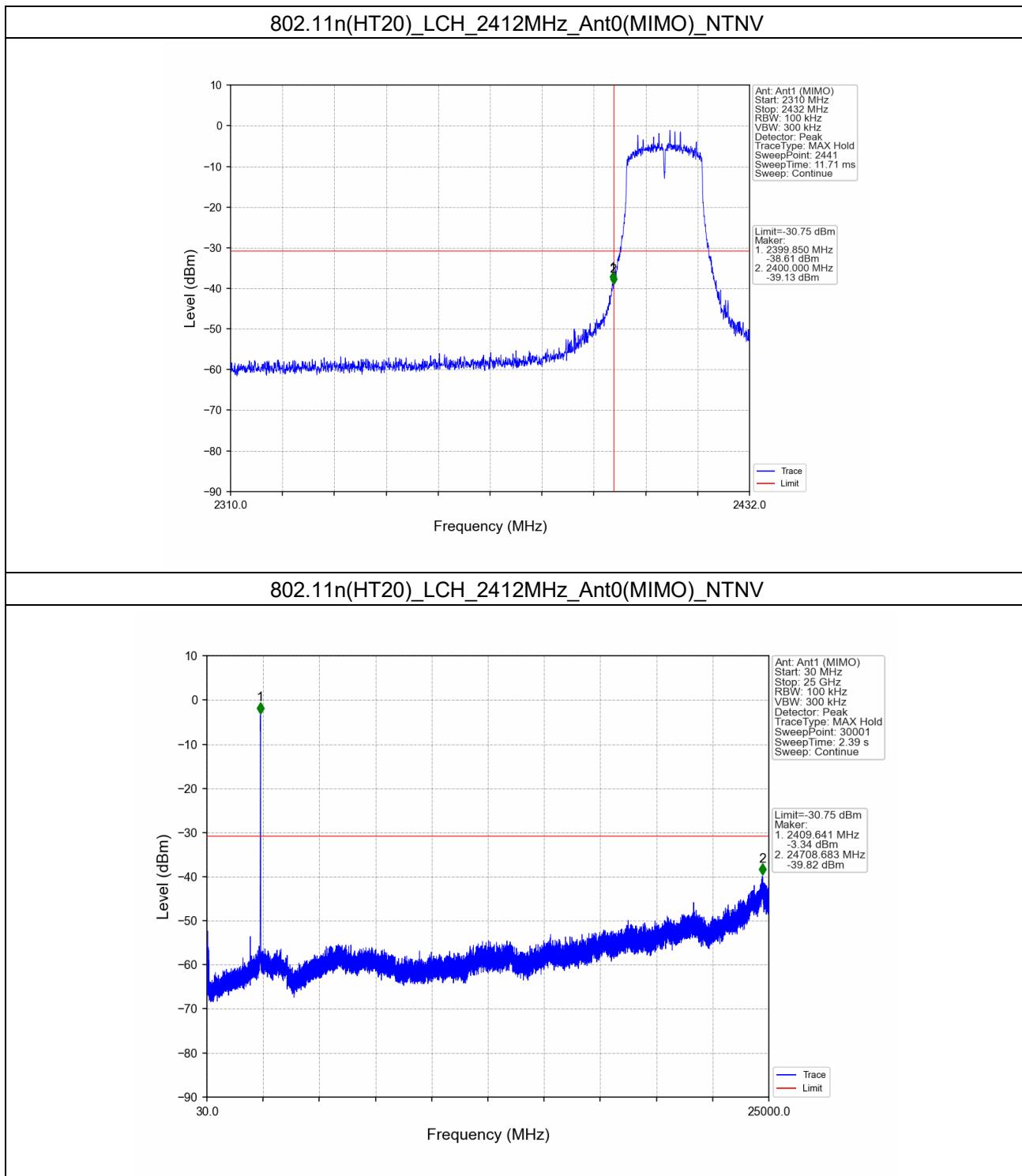


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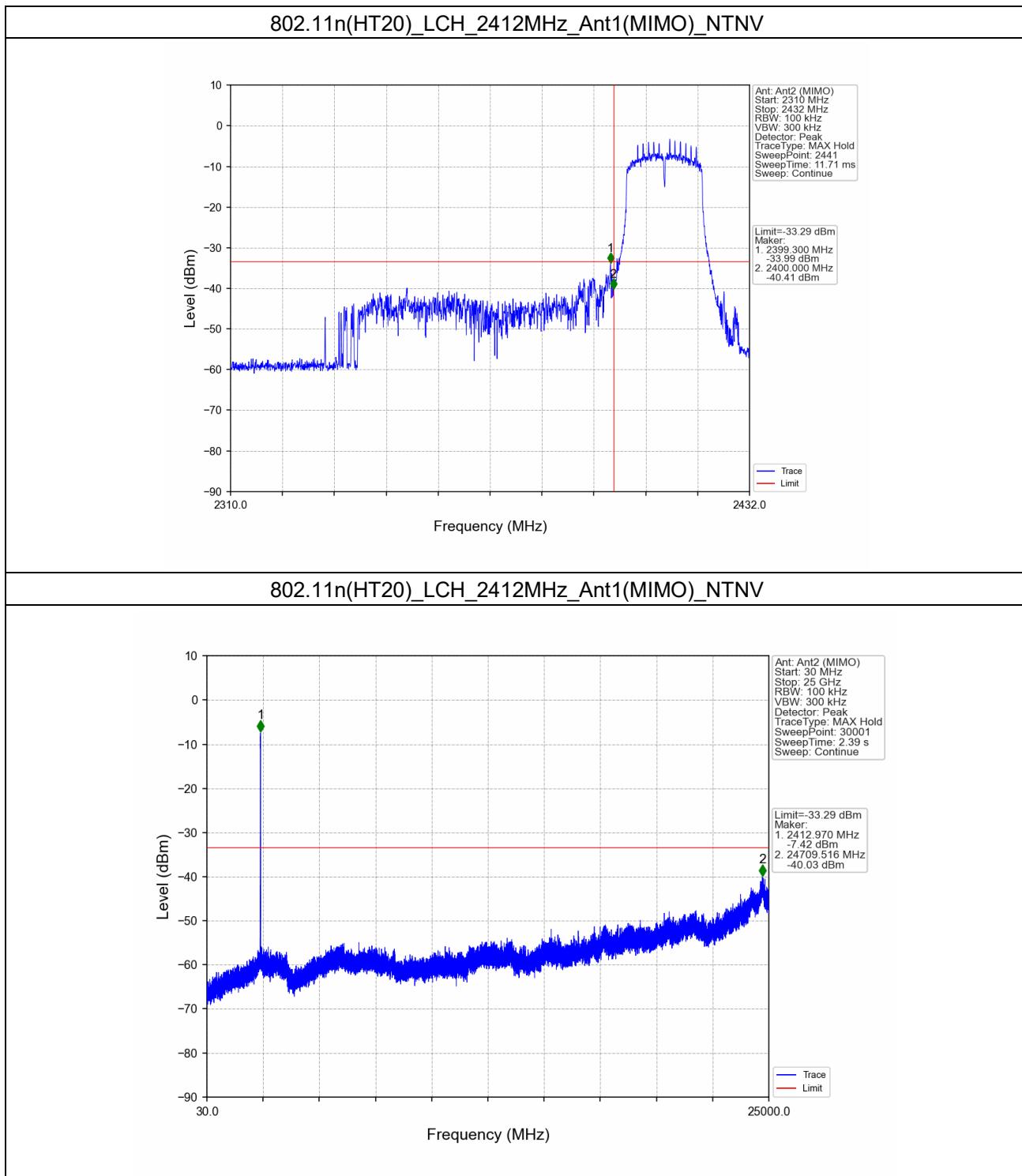


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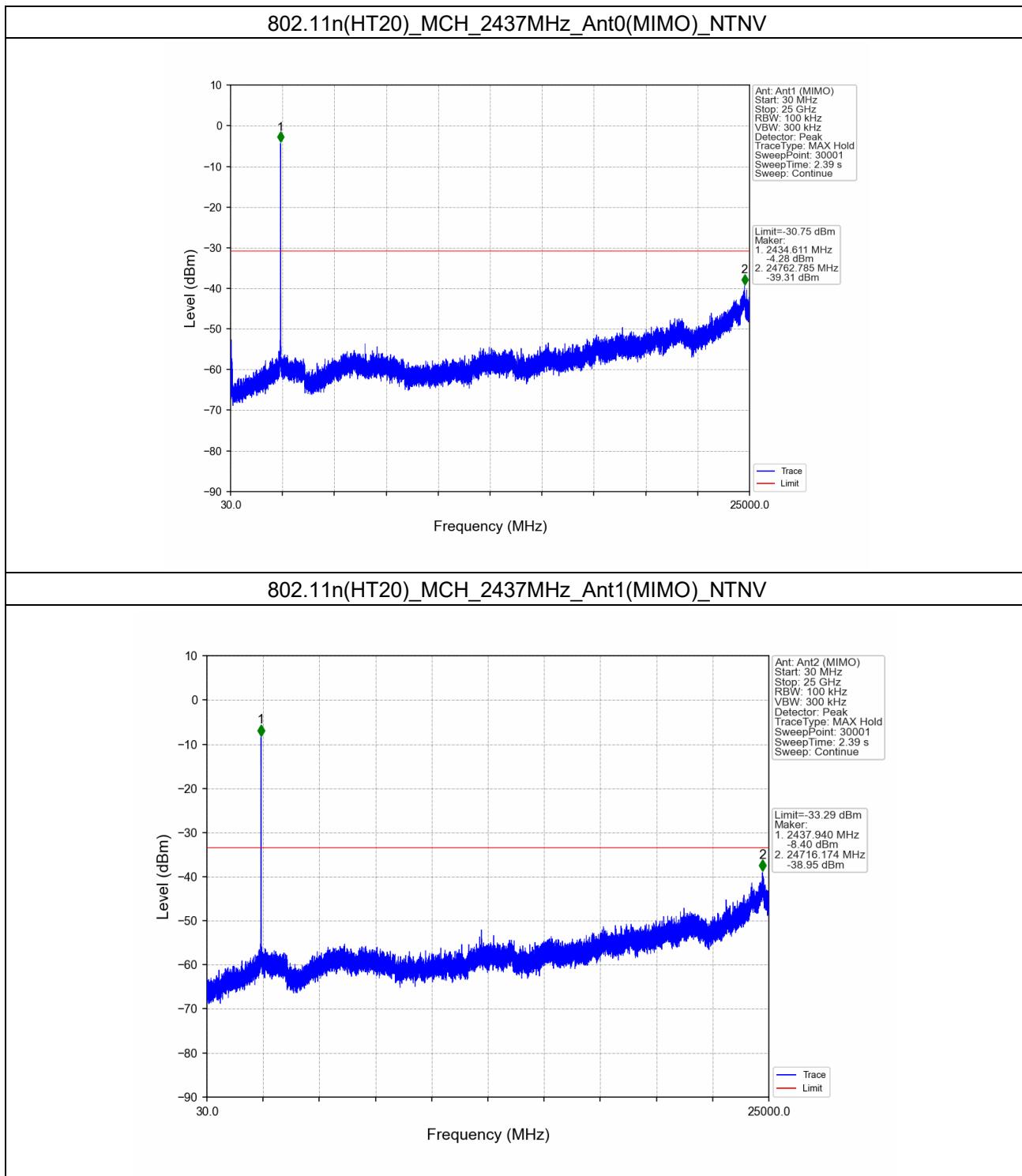


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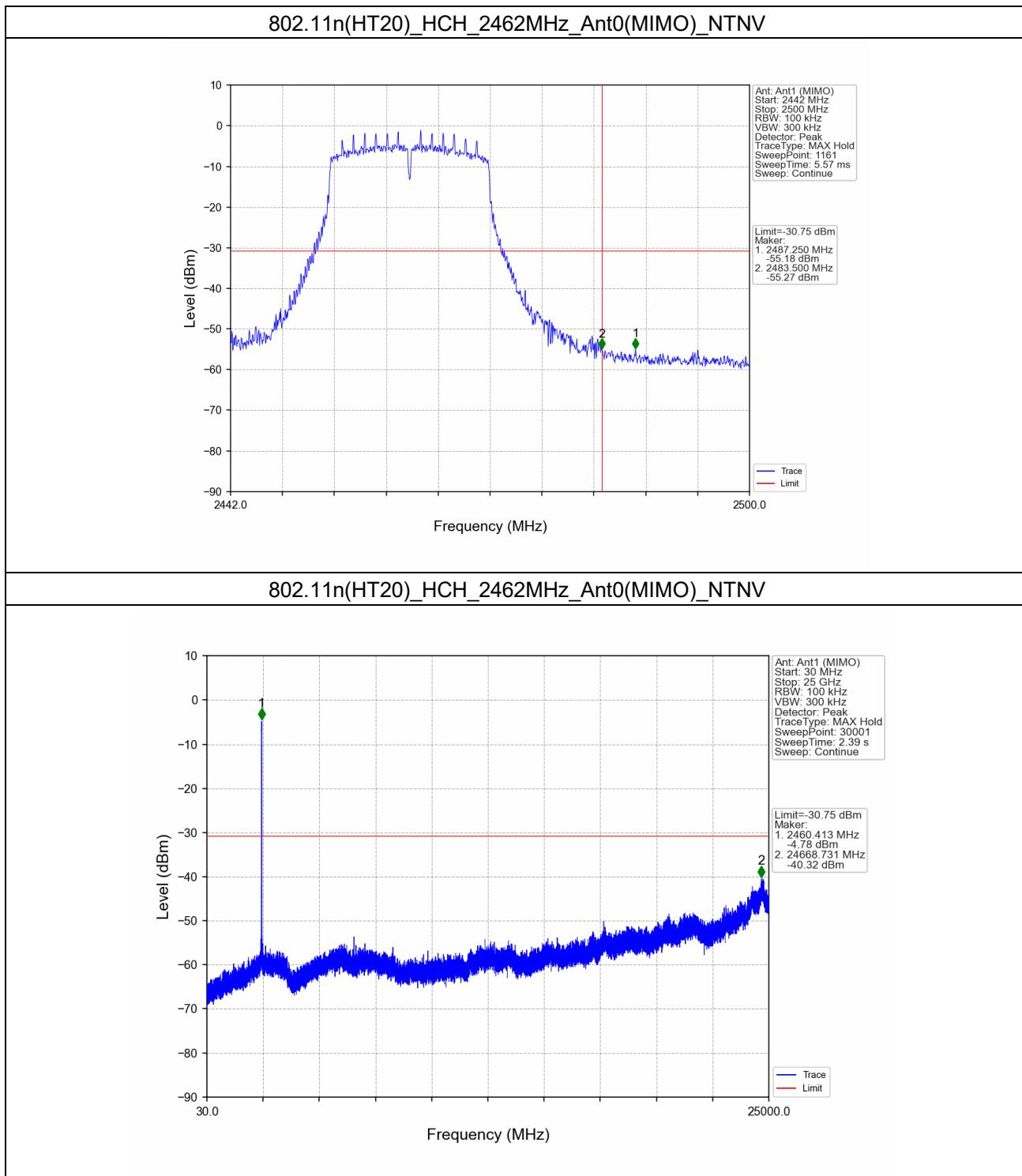


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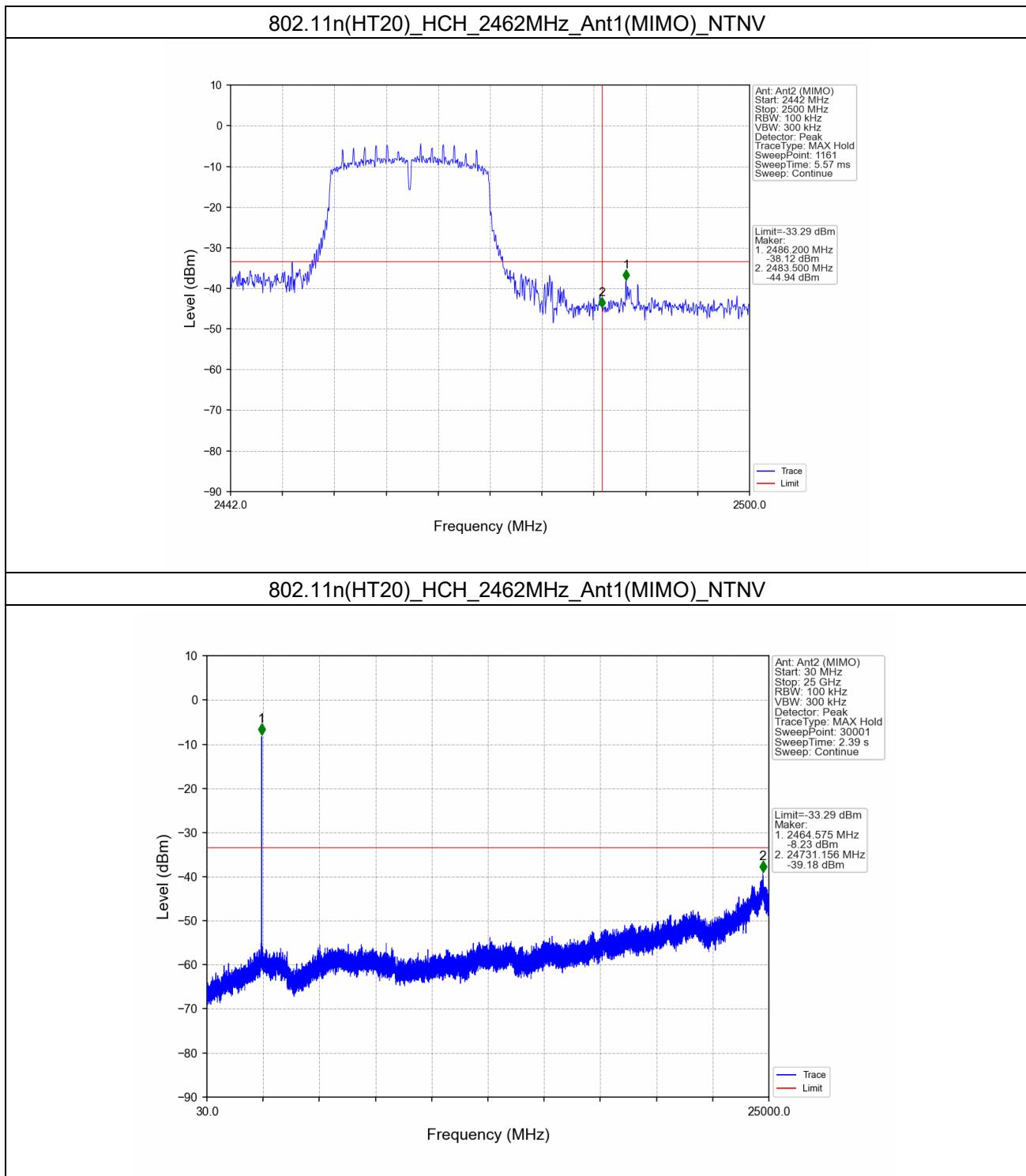


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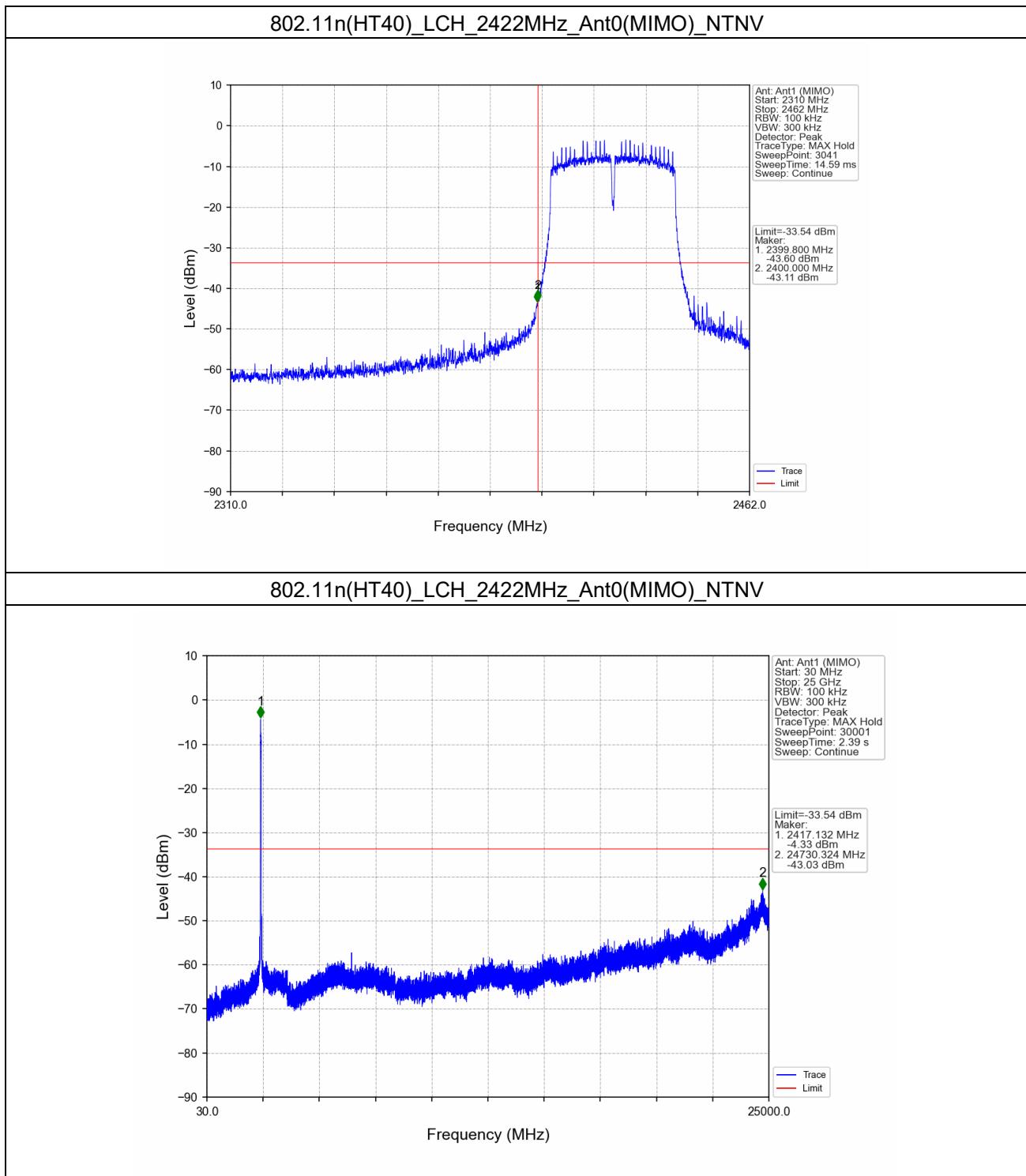


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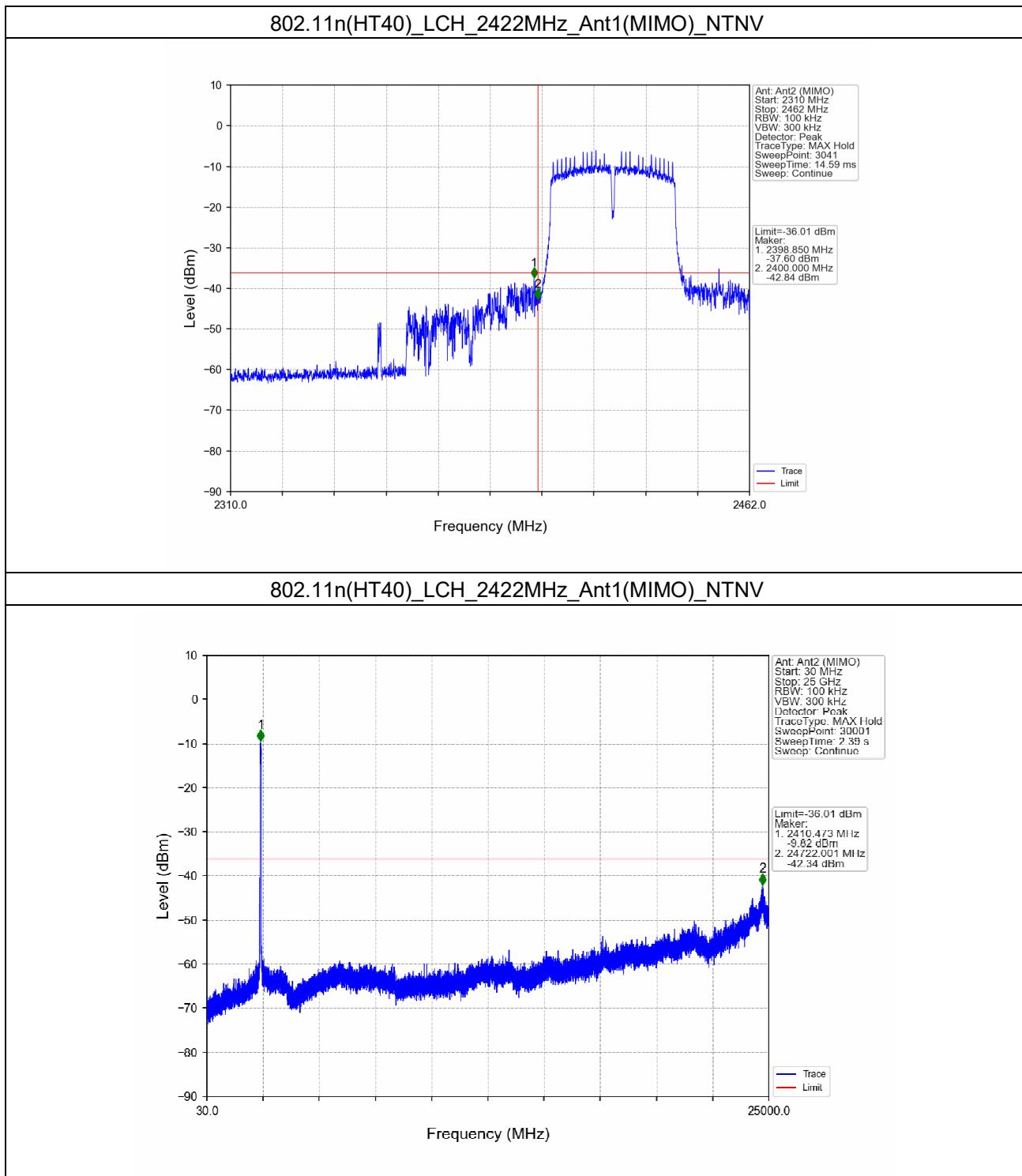


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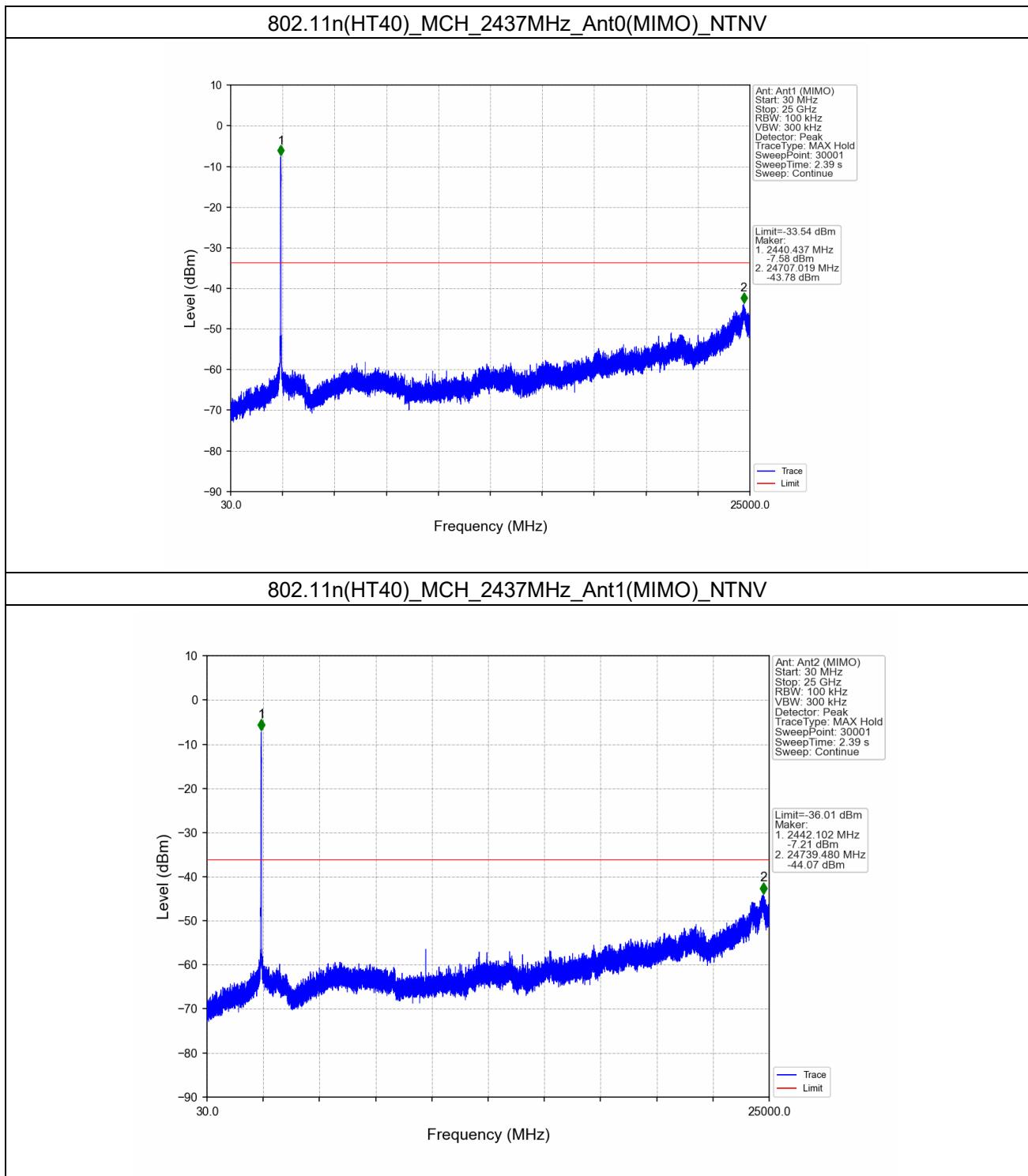
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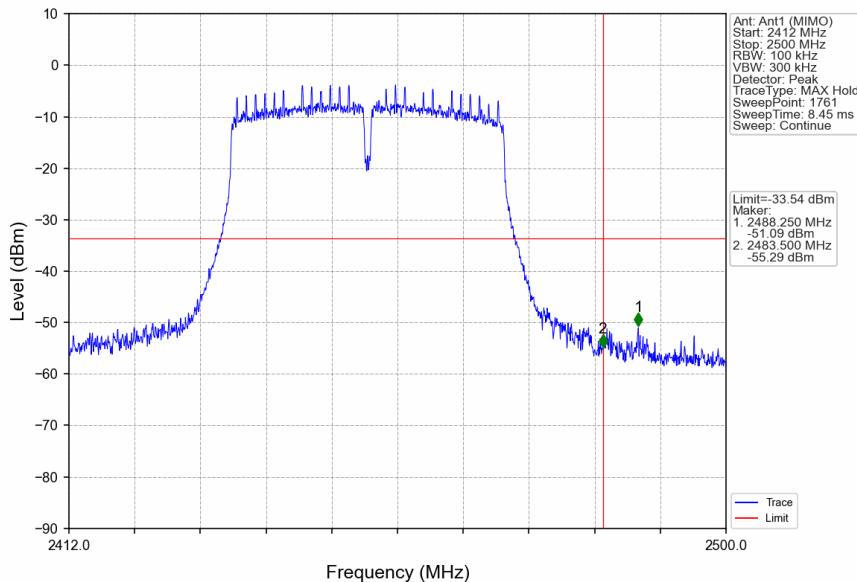
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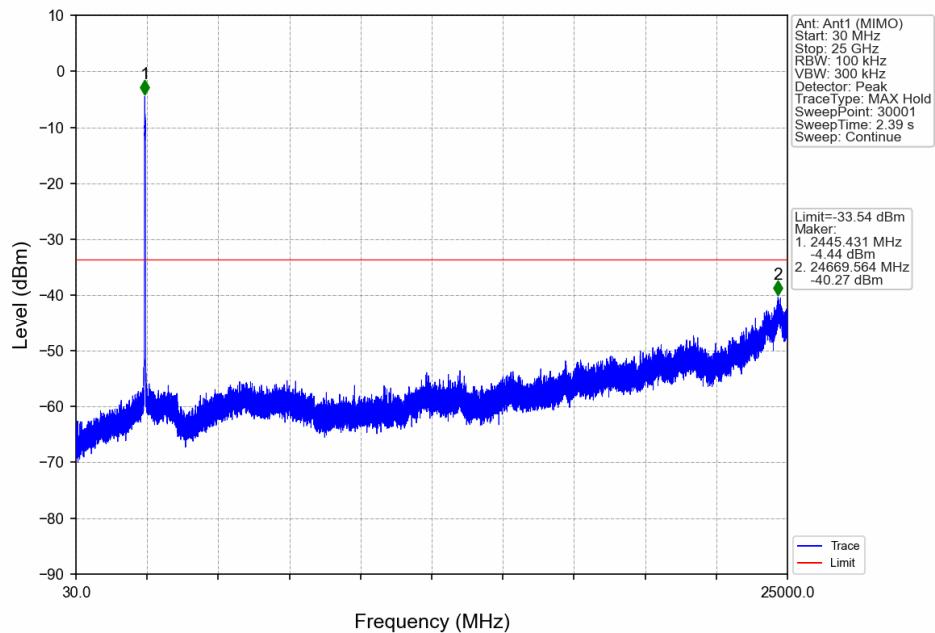


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### 802.11n(HT40)\_HCH\_2452MHz\_Ant0(MIMO)\_NTNV



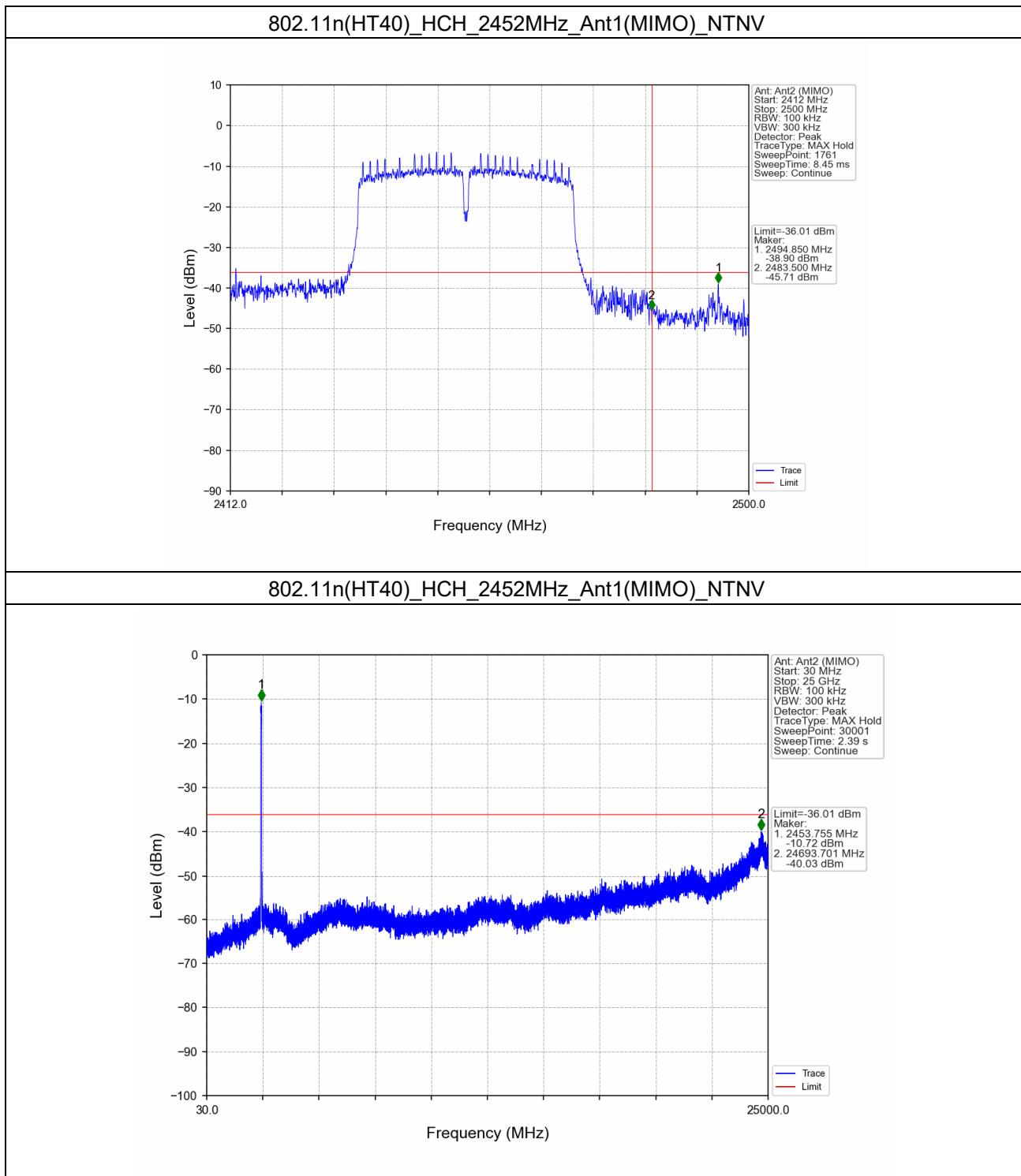
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