

## Appendix A for KSCR2110000013701

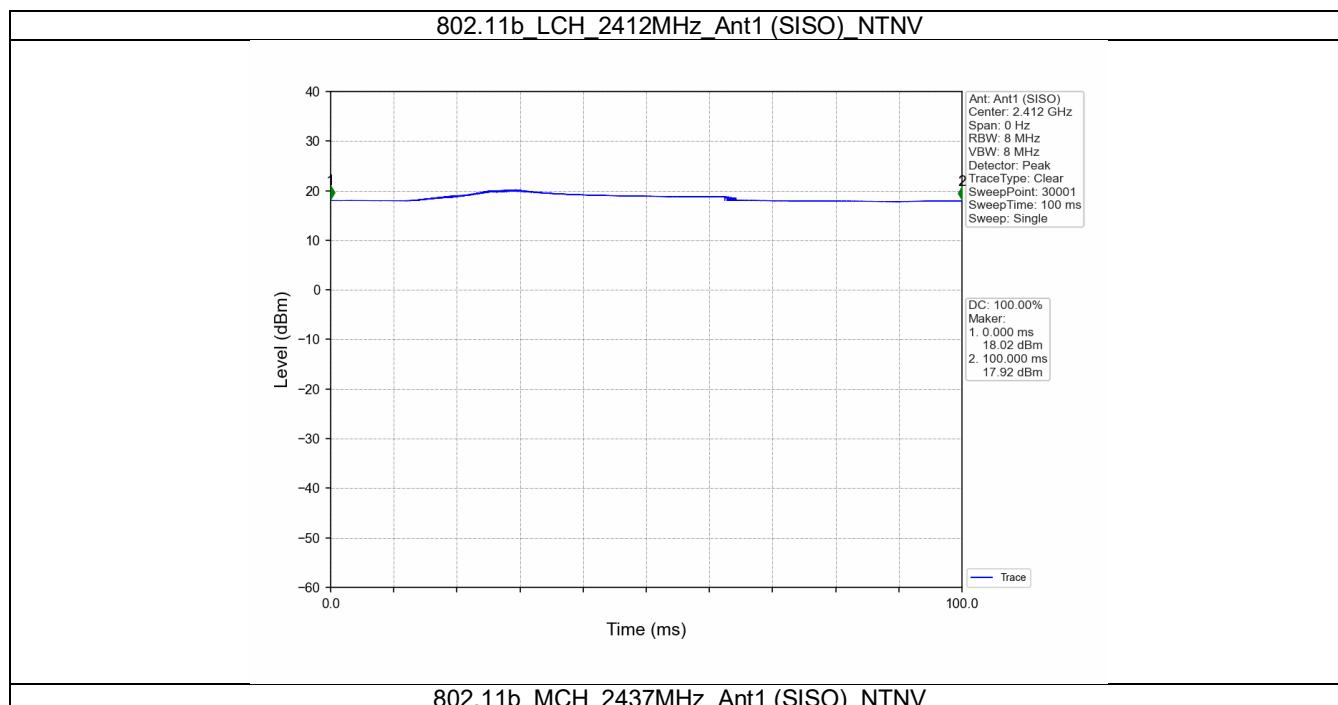
### 1. Duty Cycle

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

##### 1.1.2 Test Graph



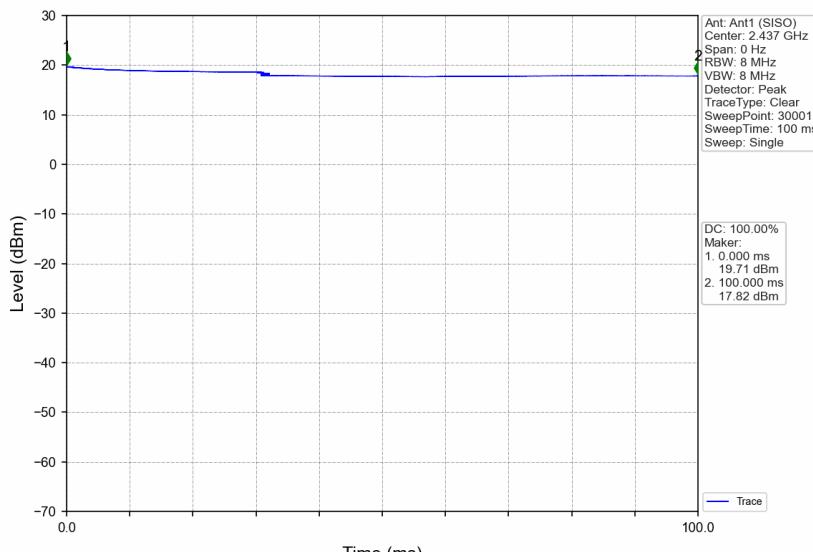
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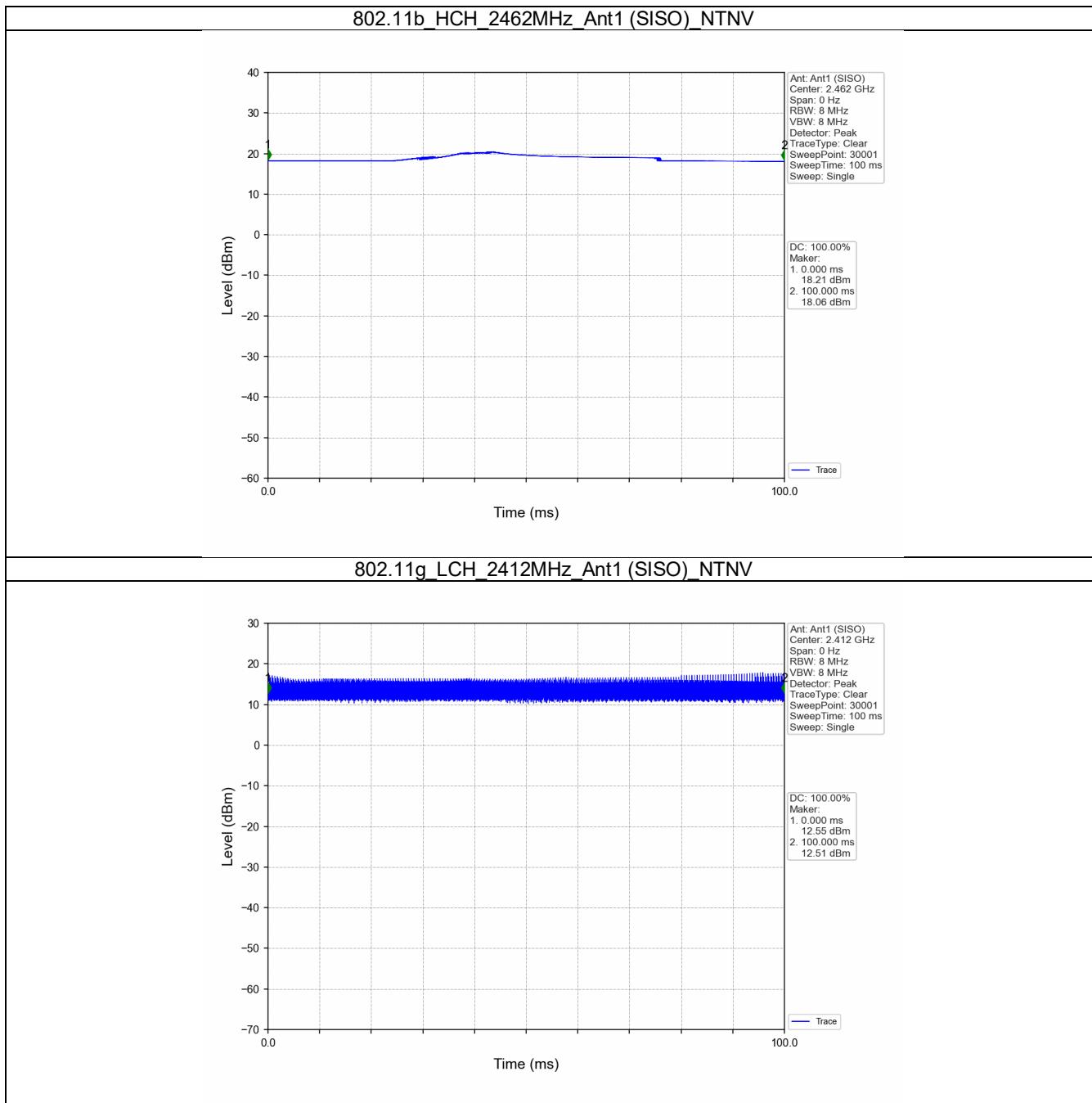
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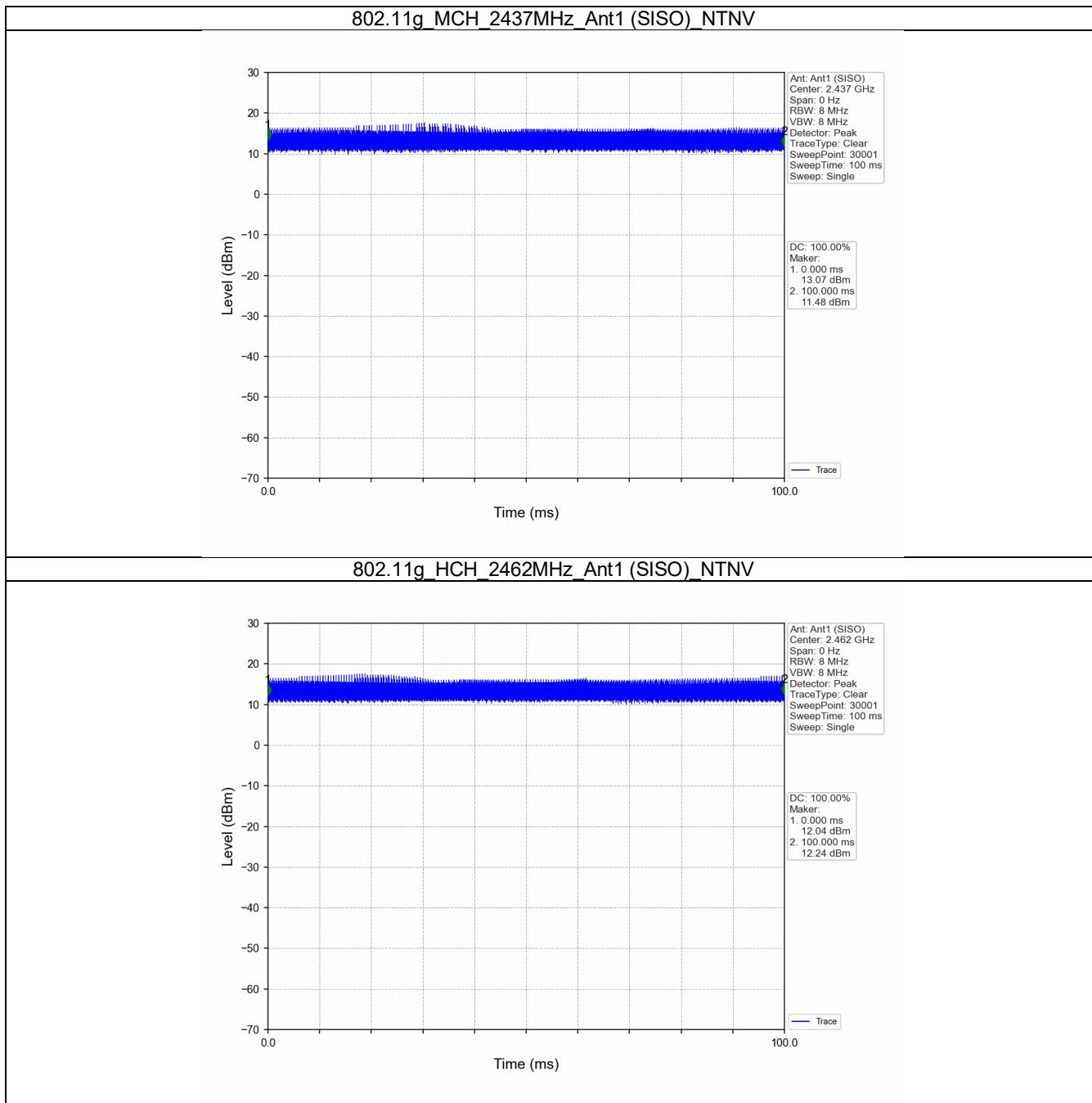
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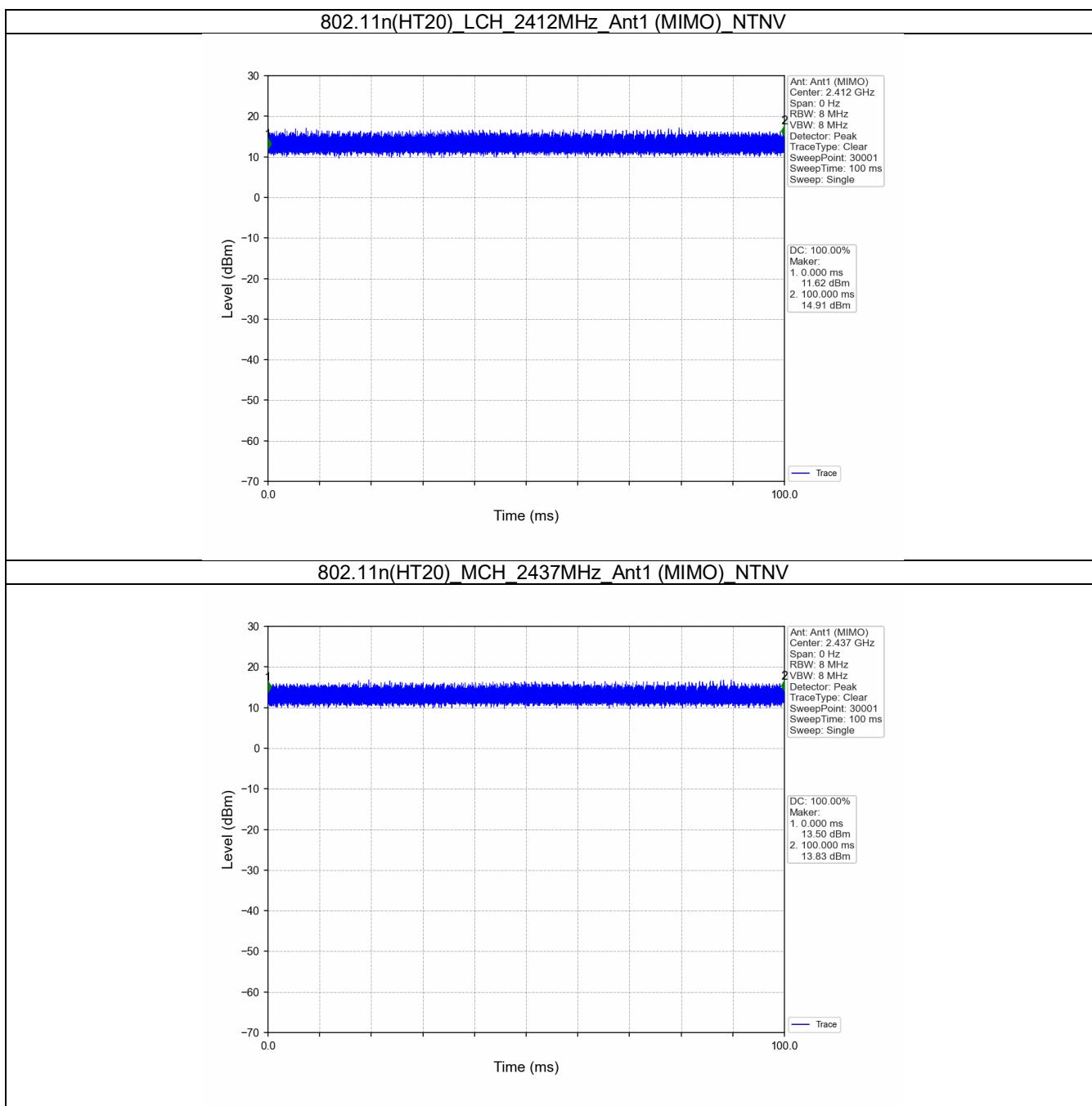
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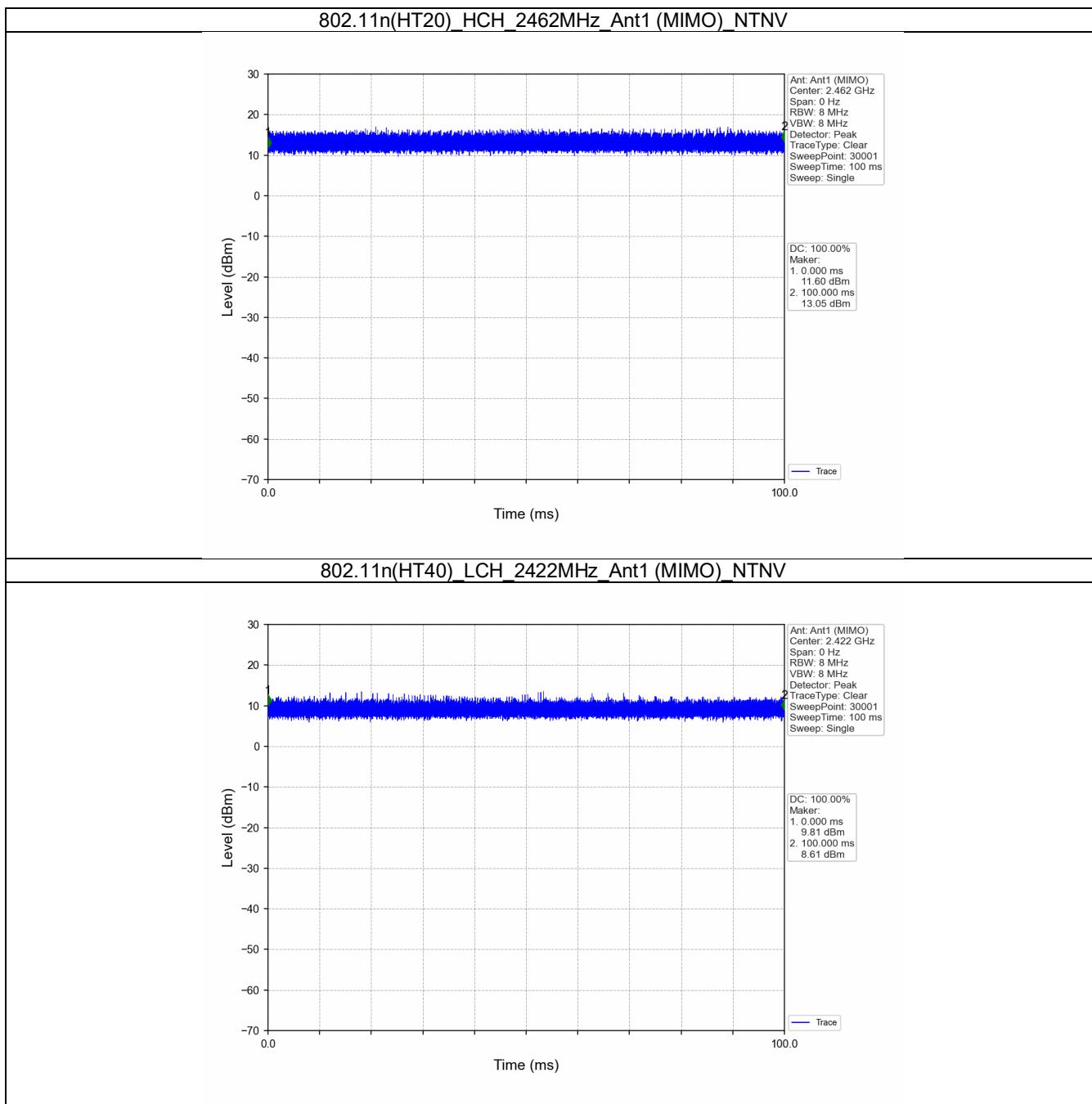
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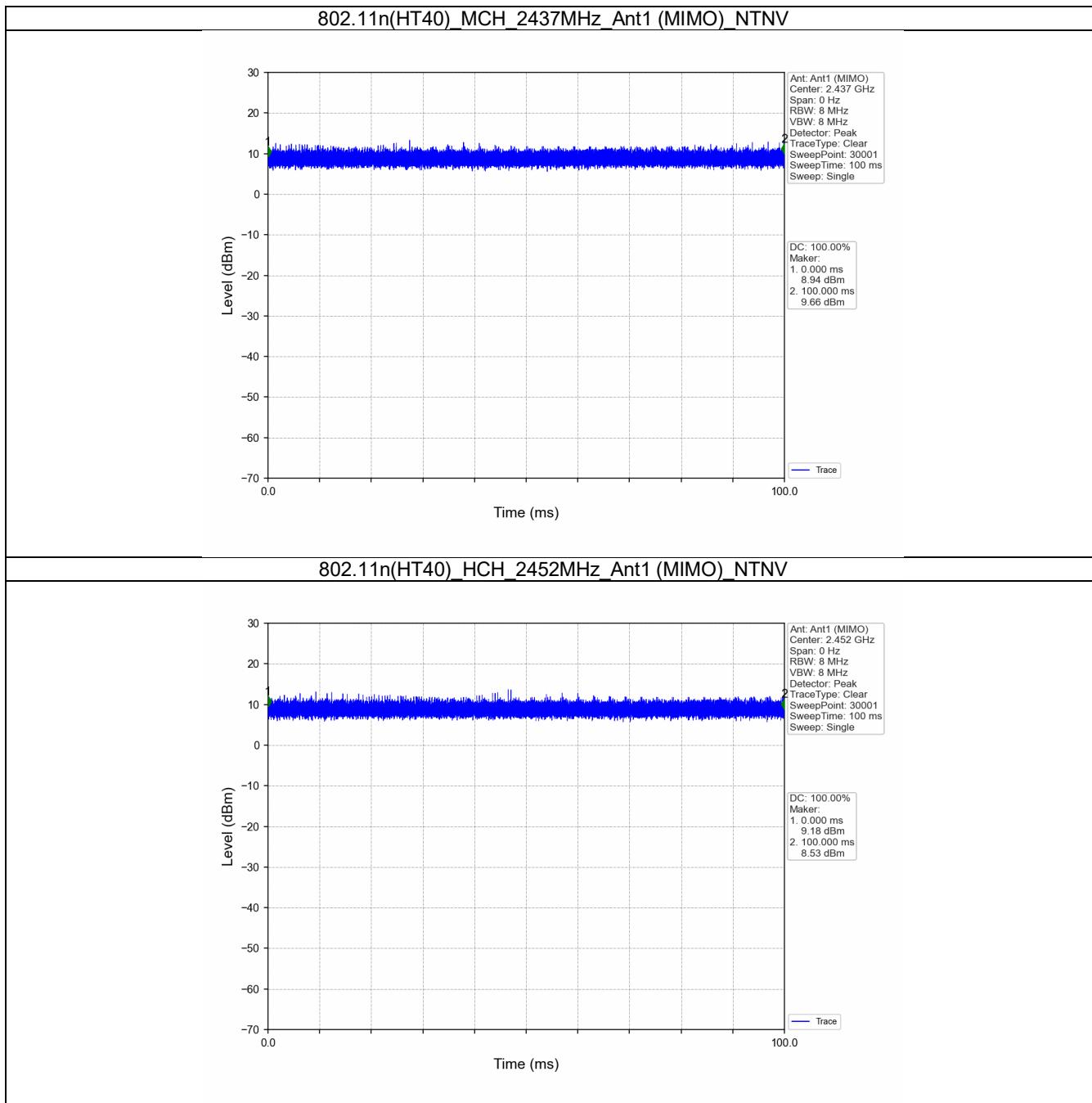
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## 2. Bandwidth

### 2.1 OBW

#### 2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)		Verdict
				Result		
802.11b	SISO	2412	1	14.735		Pass
			2	14.659		Pass
		2437	1	14.743		Pass
			2	14.676		Pass
		2462	1	14.744		Pass
			2	14.678		Pass
		2412	1	17.116		Pass
			2	16.862		Pass
802.11g	SISO	2437	1	17.115		Pass
			2	16.869		Pass
		2462	1	17.123		Pass
			2	16.871		Pass
		2412	1	18.254		Pass
			2	18.247		Pass
		2437	1	18.233		Pass
			2	18.270		Pass
802.11n (HT20)	MIMO	2462	1	18.237		Pass
			2	18.274		Pass
		2422	1	36.452		Pass
			2	36.438		Pass
		2437	1	36.492		Pass
			2	36.433		Pass
		2452	1	36.486		Pass
			2	36.476		Pass

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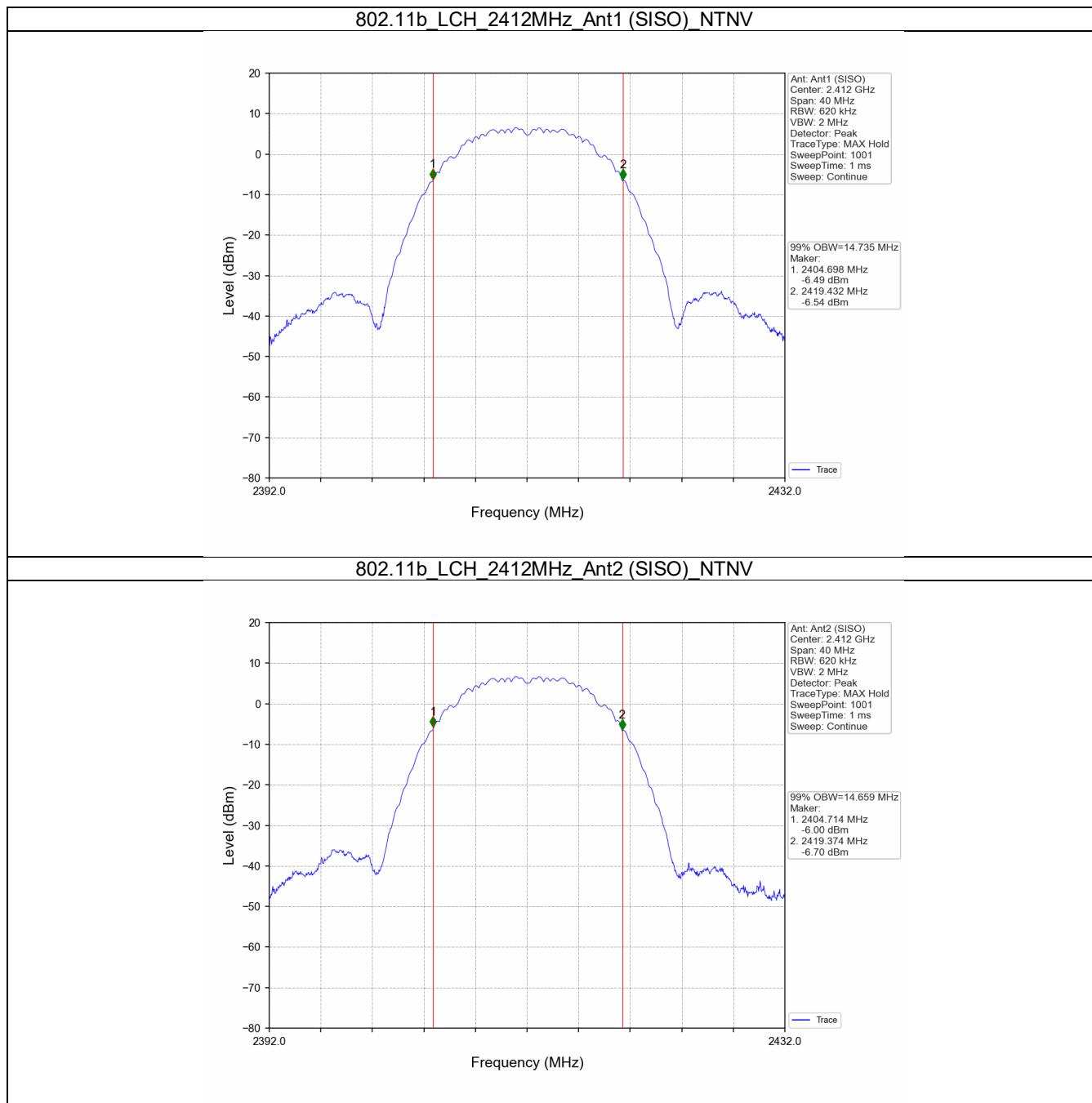
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## 2.1.2 Test Graph



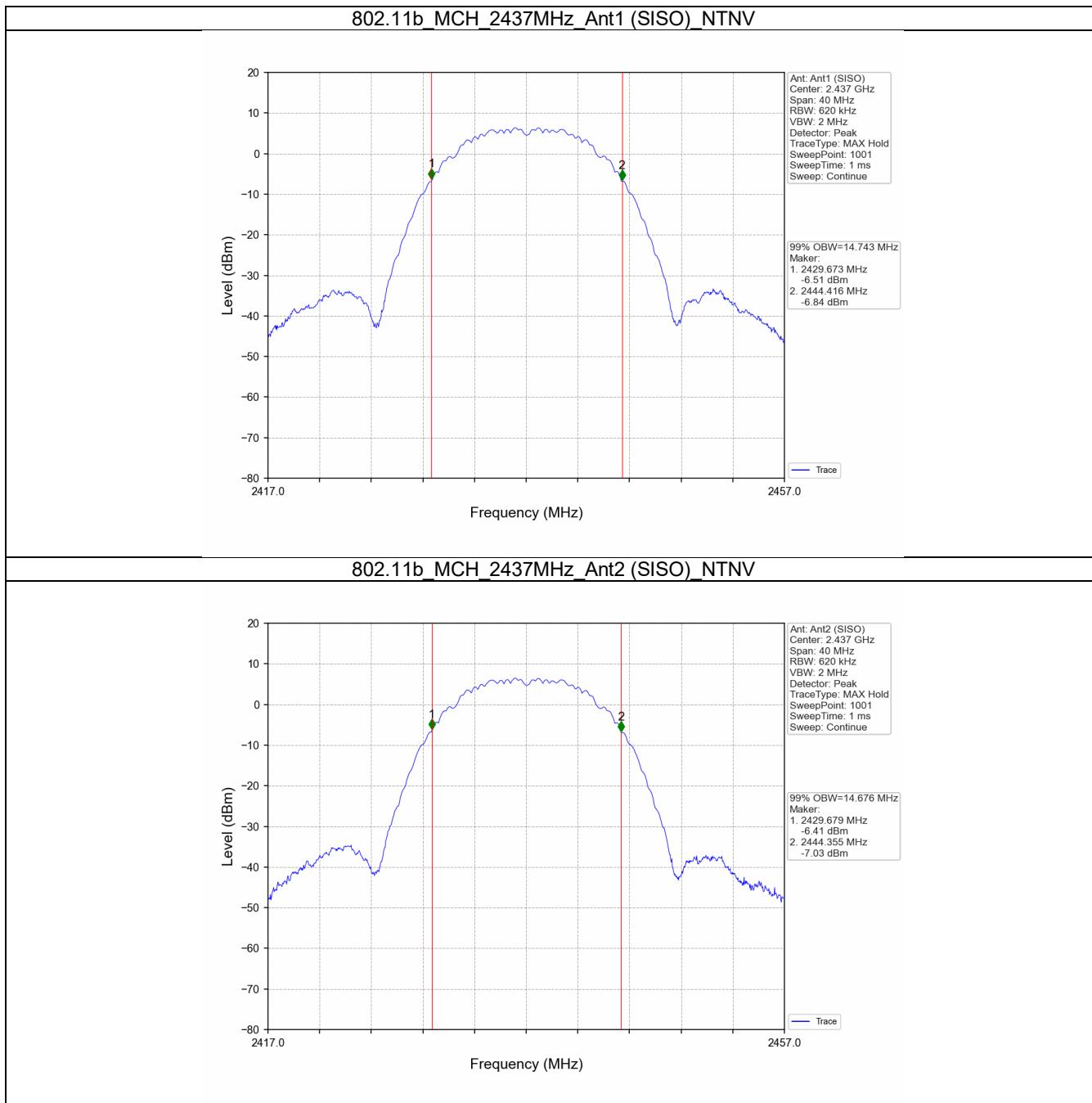
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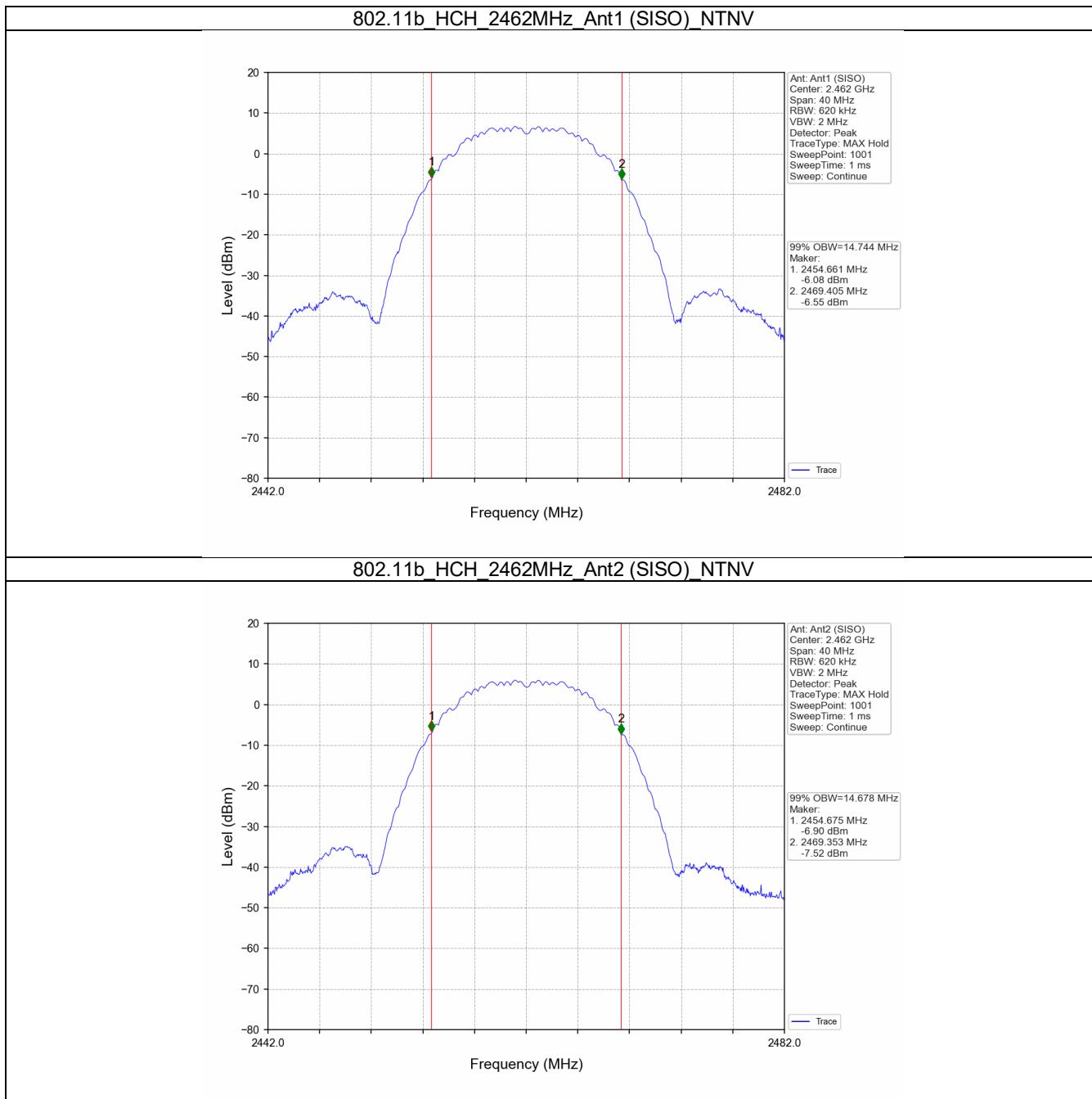
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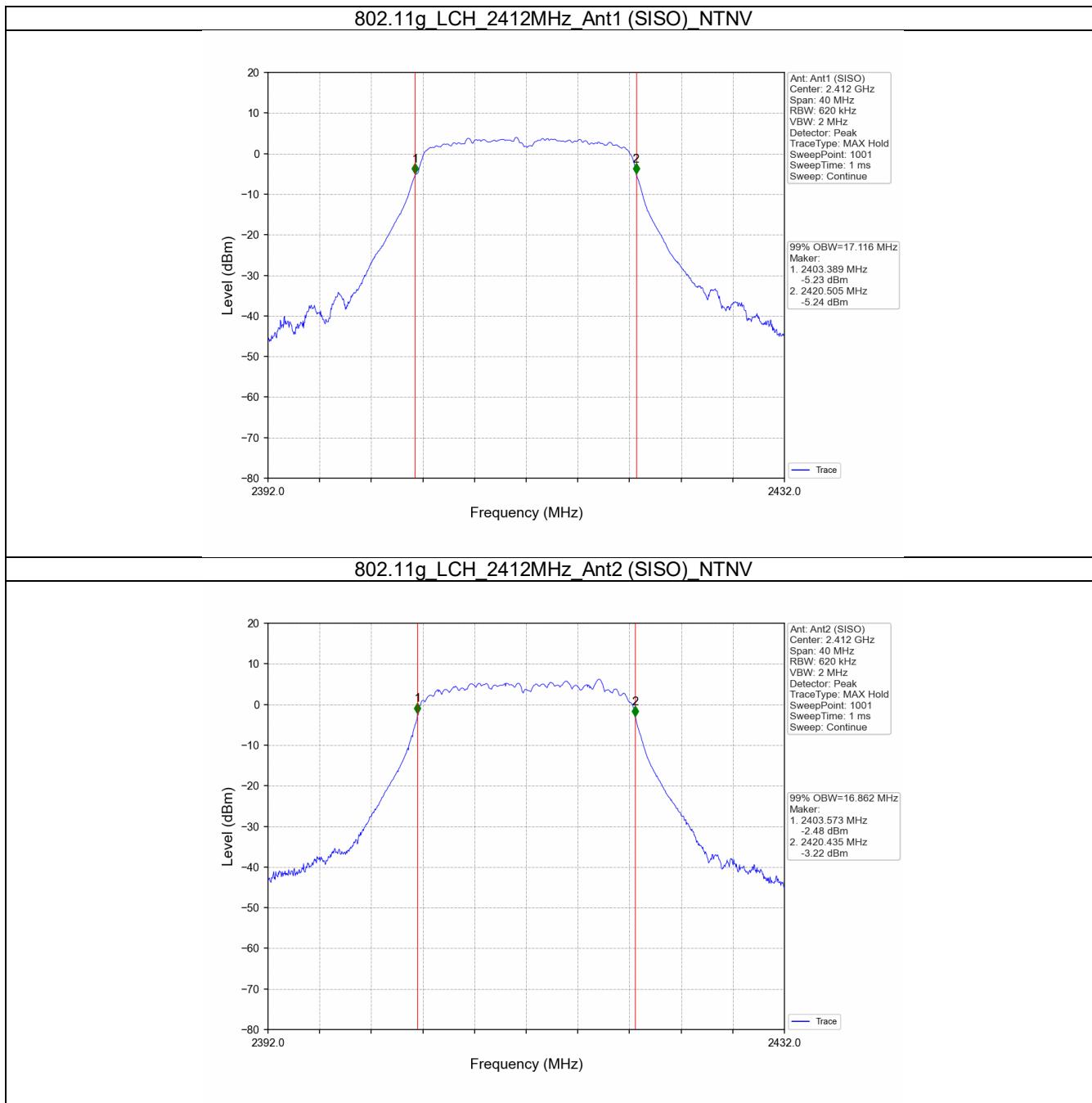
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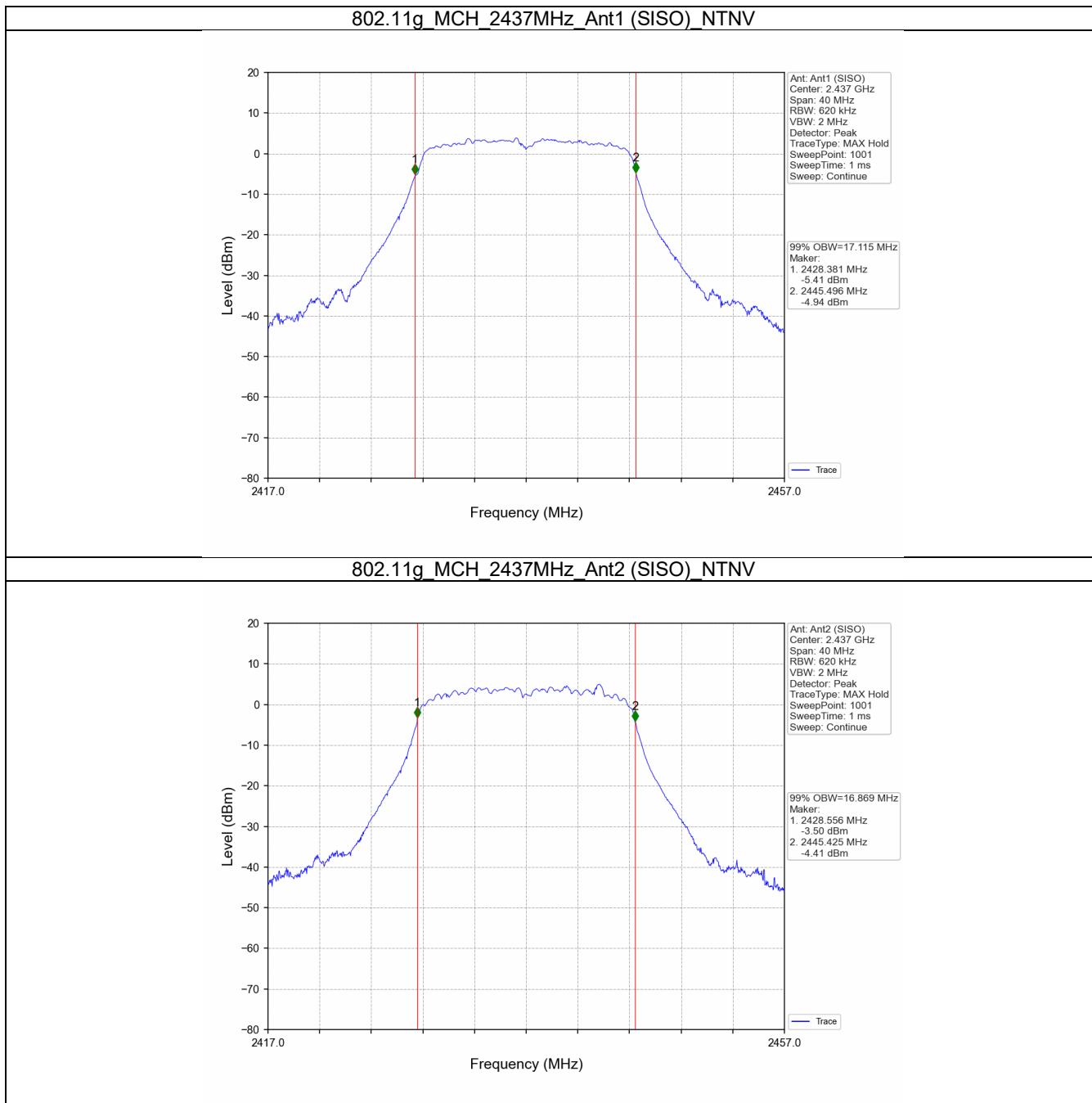
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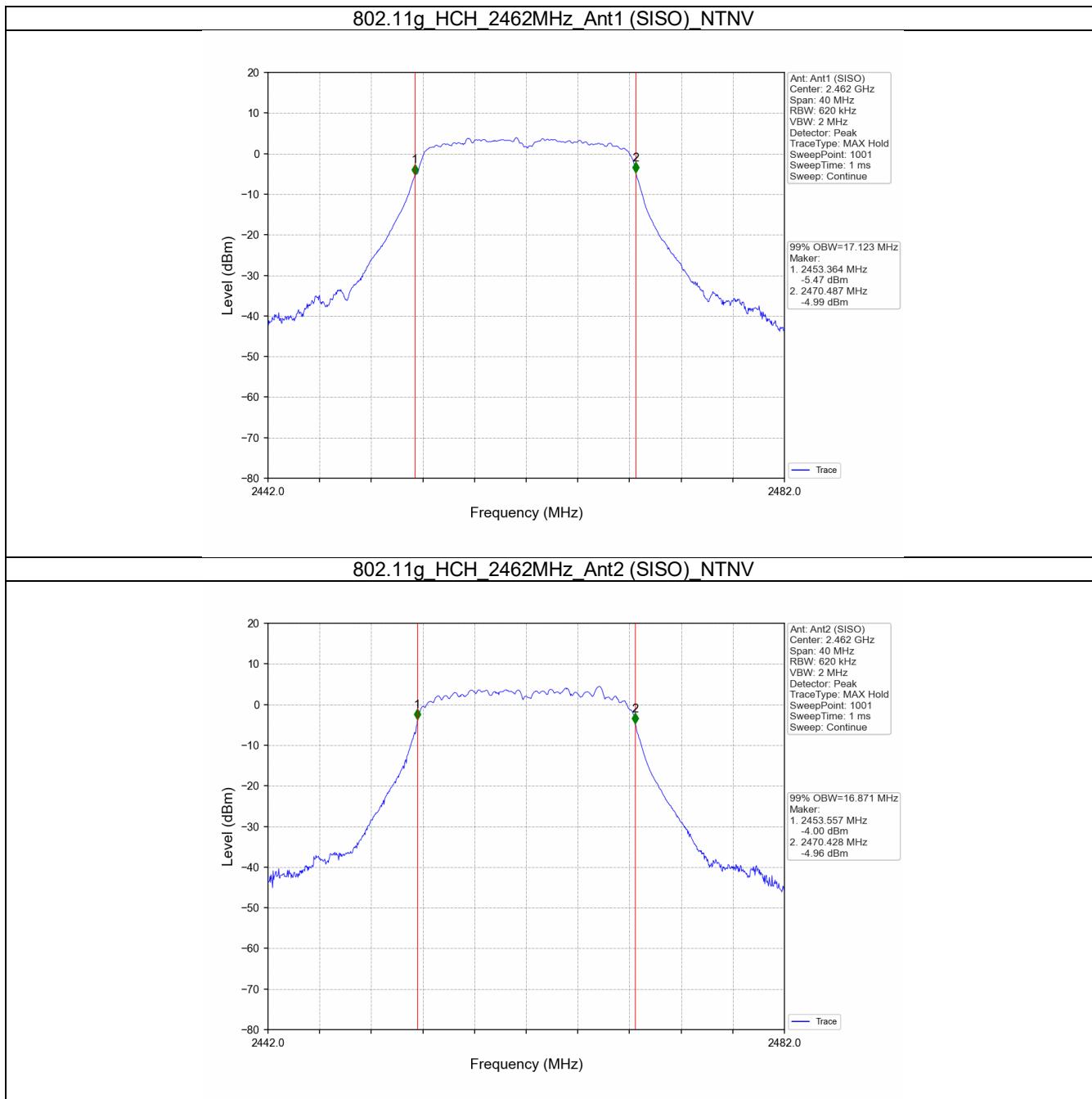
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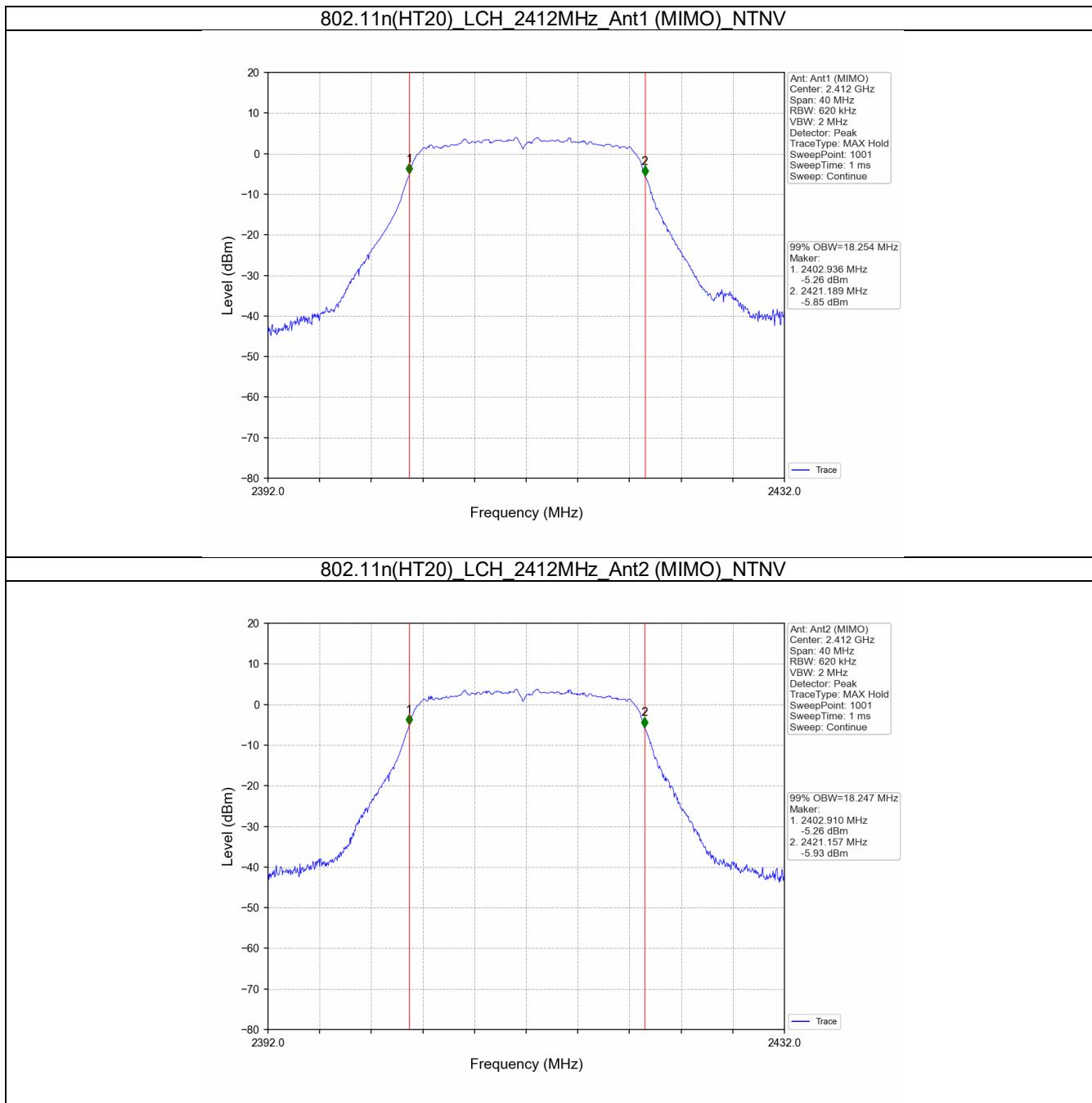
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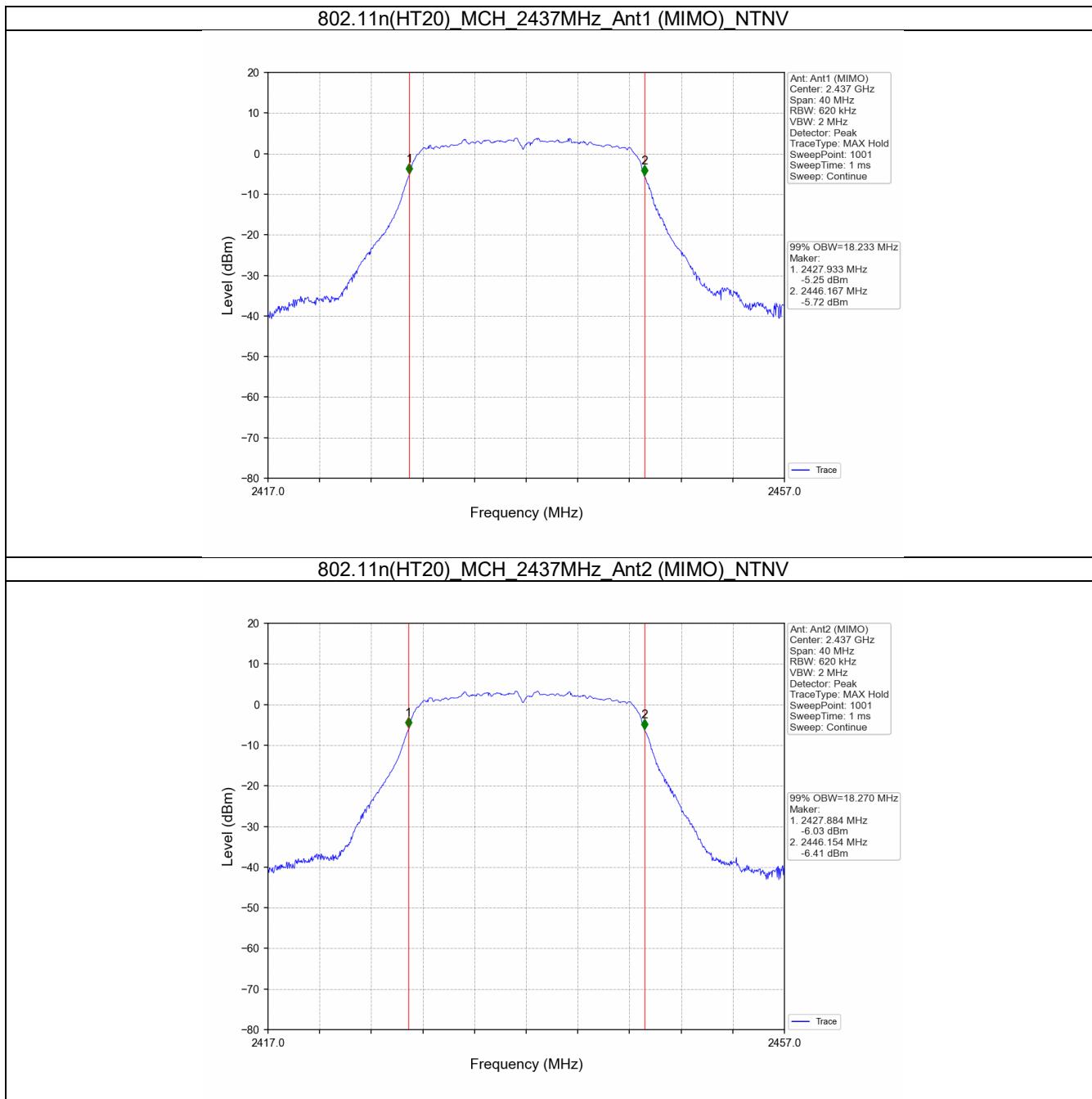
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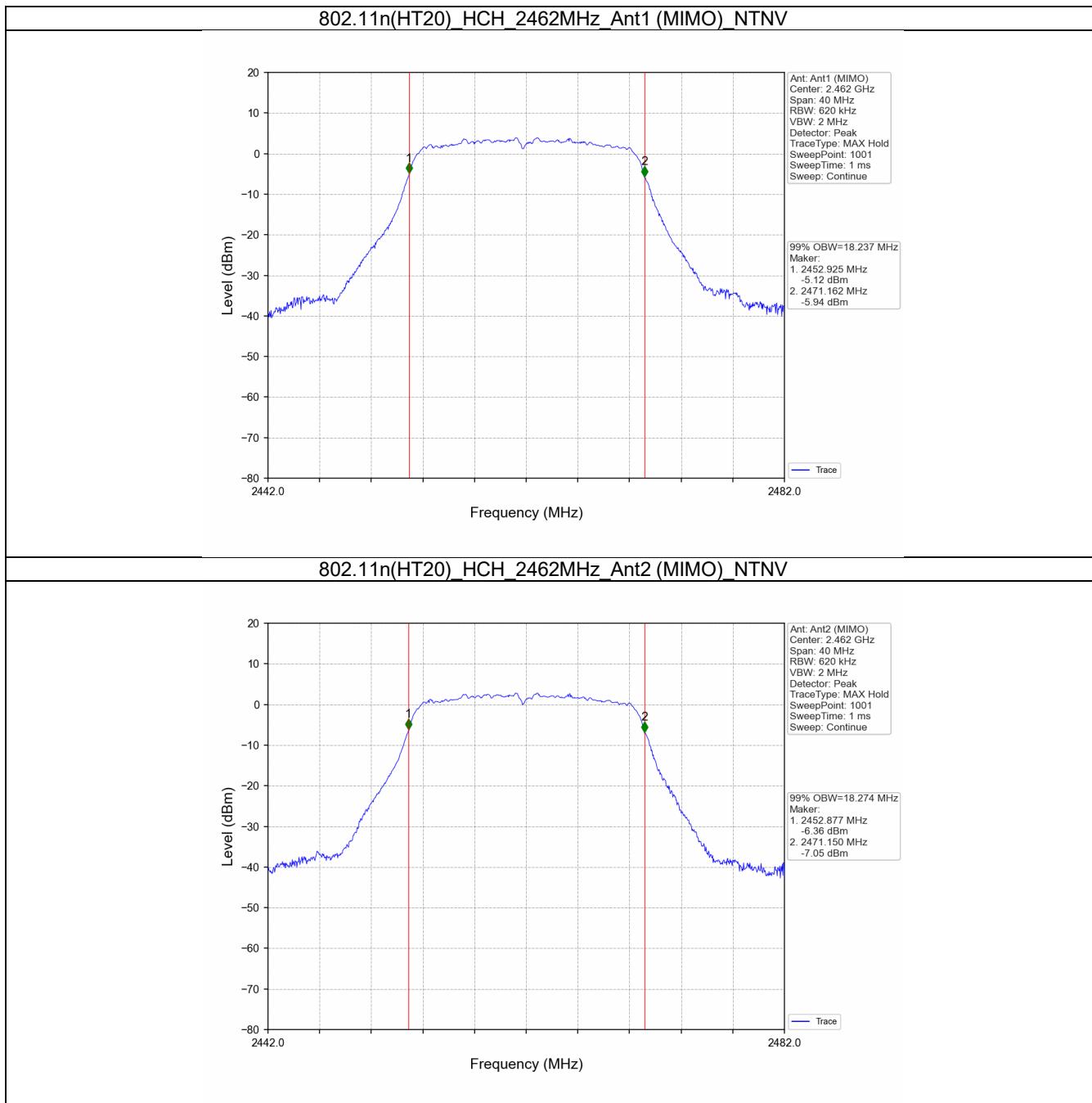
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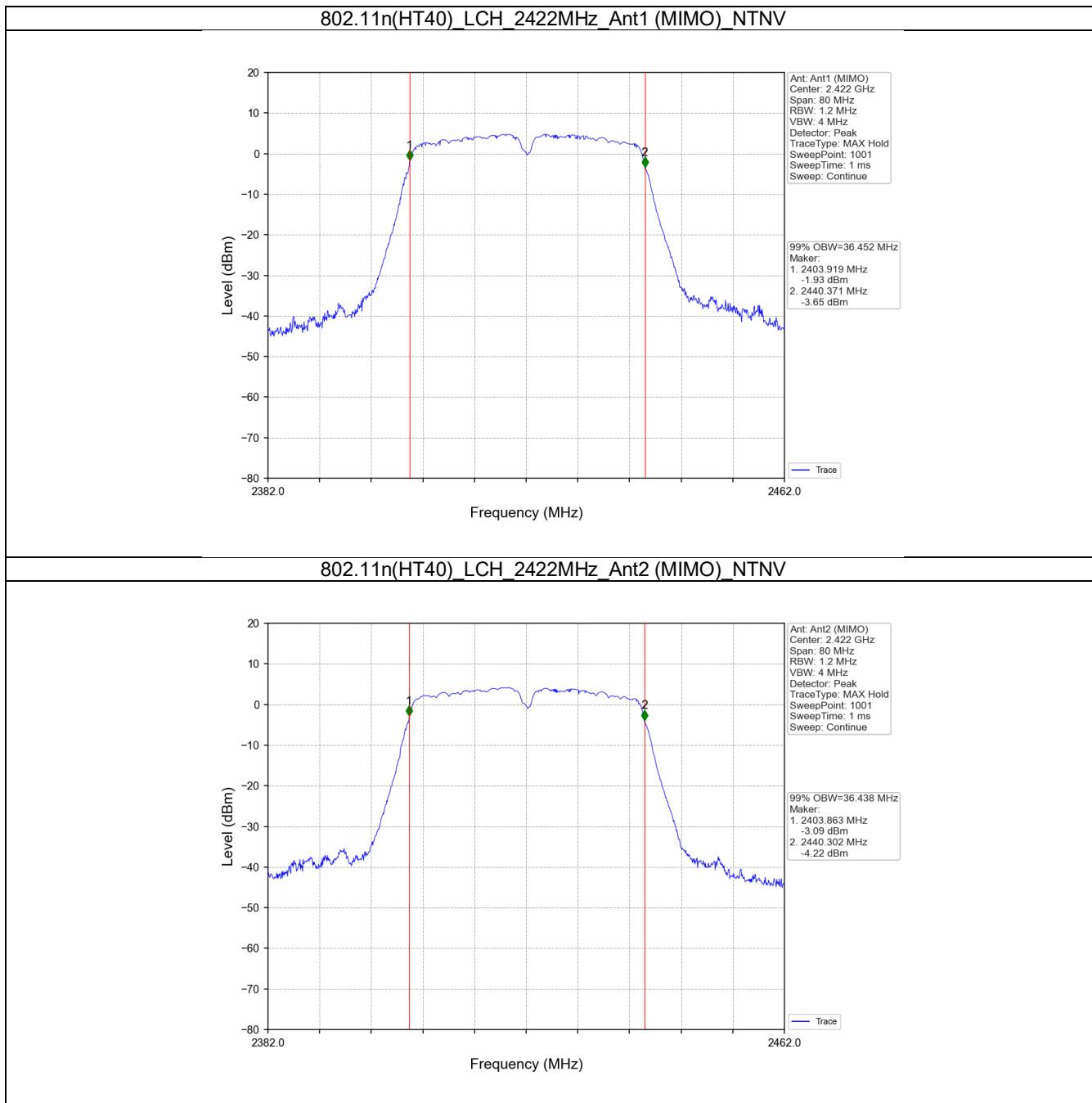
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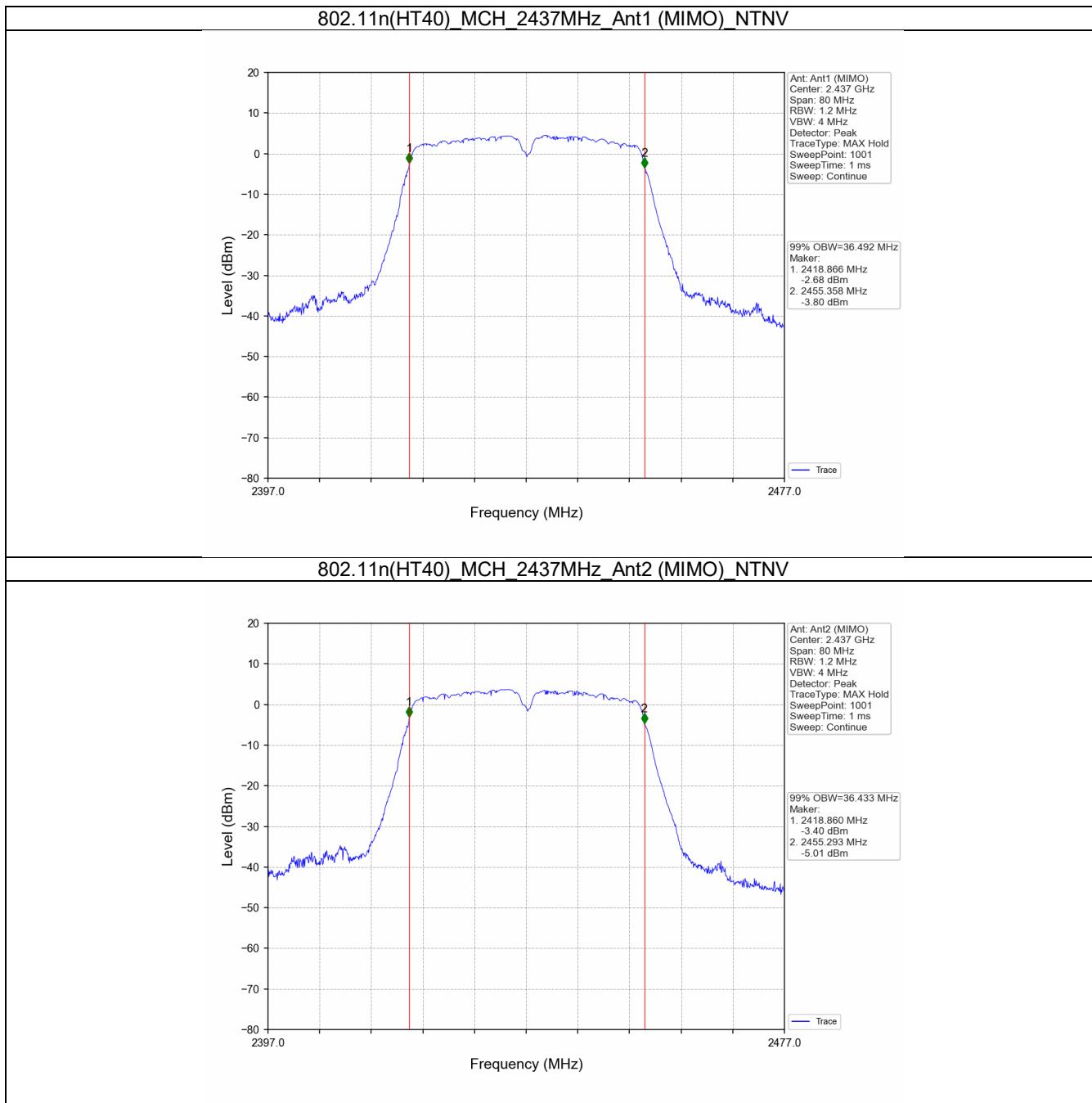
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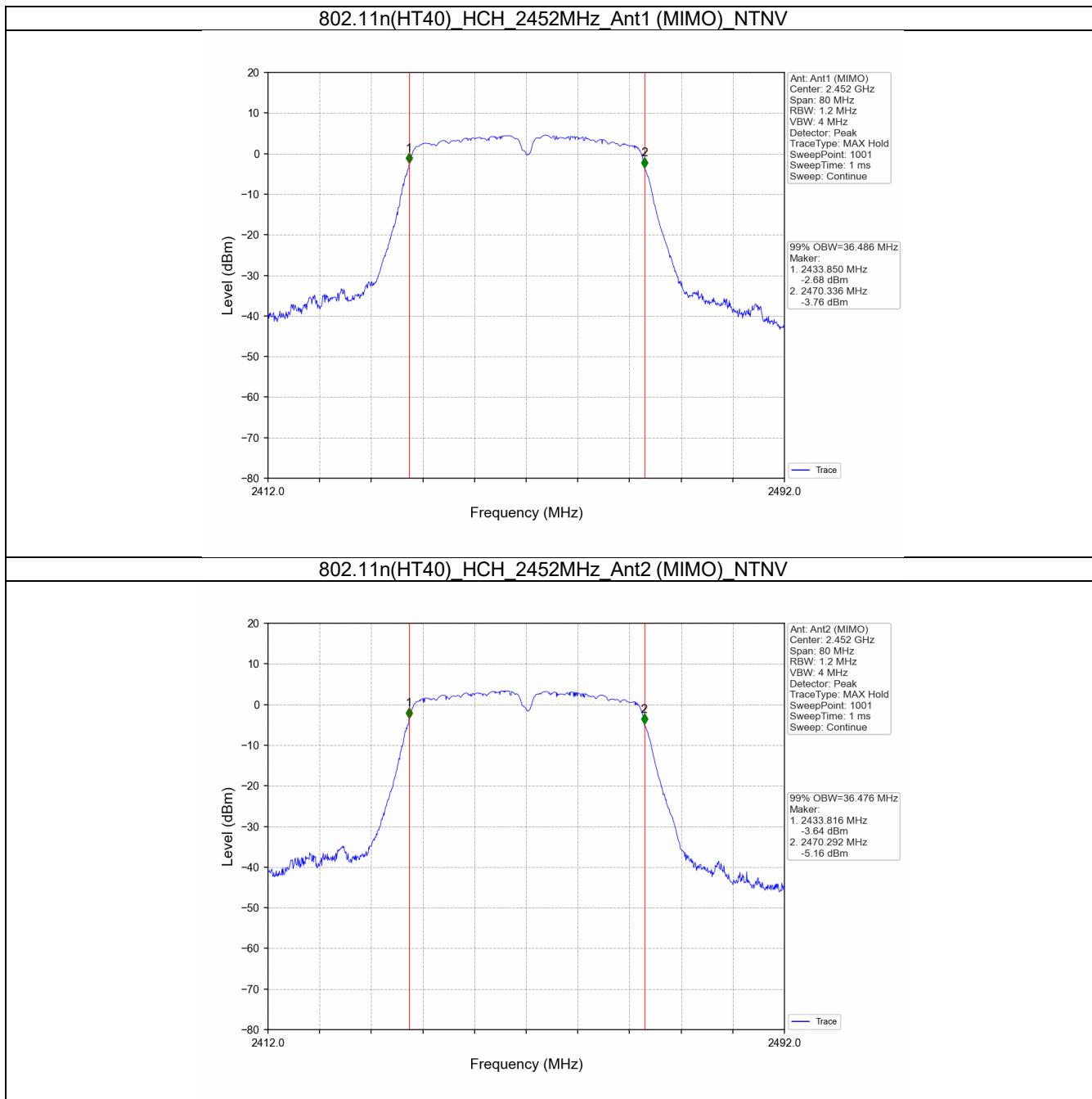
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## 2.2 6dB BW

### 2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	10.165	>=0.5	Pass
			2	10.165	>=0.5	Pass
		2437	1	10.166	>=0.5	Pass
			2	10.163	>=0.5	Pass
		2462	1	10.169	>=0.5	Pass
			2	10.167	>=0.5	Pass
	802.11g	2412	1	16.465	>=0.5	Pass
			2	16.445	>=0.5	Pass
		2437	1	16.459	>=0.5	Pass
			2	16.446	>=0.5	Pass
		2462	1	16.464	>=0.5	Pass
			2	16.447	>=0.5	Pass
802.11n (HT20)	MIMO	2412	1	17.656	>=0.5	Pass
			2	17.650	>=0.5	Pass
		2437	1	17.652	>=0.5	Pass
			2	17.644	>=0.5	Pass
		2462	1	17.668	>=0.5	Pass
			2	17.662	>=0.5	Pass
		2422	1	36.432	>=0.5	Pass
			2	36.428	>=0.5	Pass
802.11n (HT40)	MIMO	2437	1	36.429	>=0.5	Pass
			2	36.422	>=0.5	Pass
		2452	1	36.425	>=0.5	Pass
			2	36.433	>=0.5	Pass

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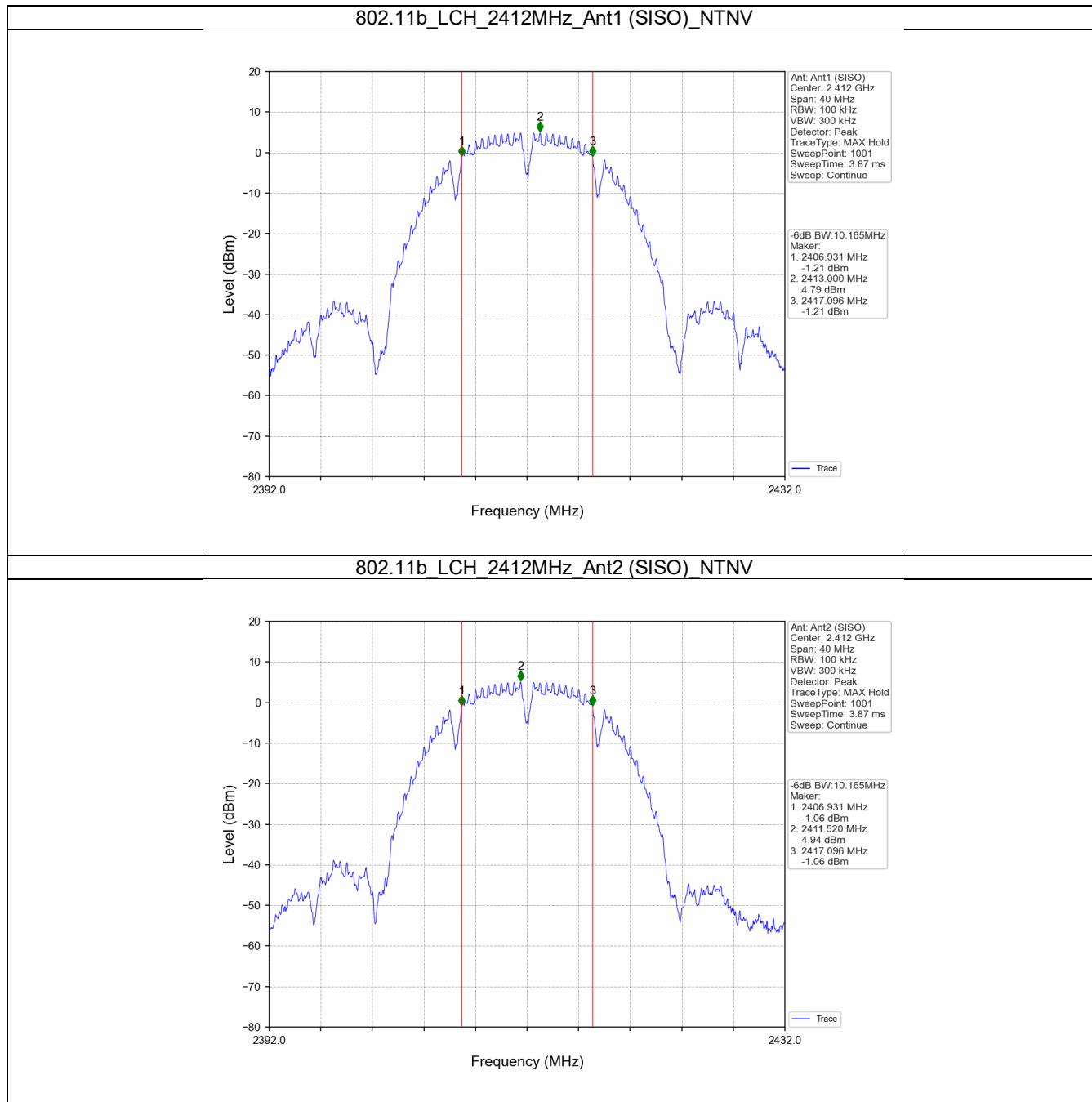
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## 2.2.2 Test Graph



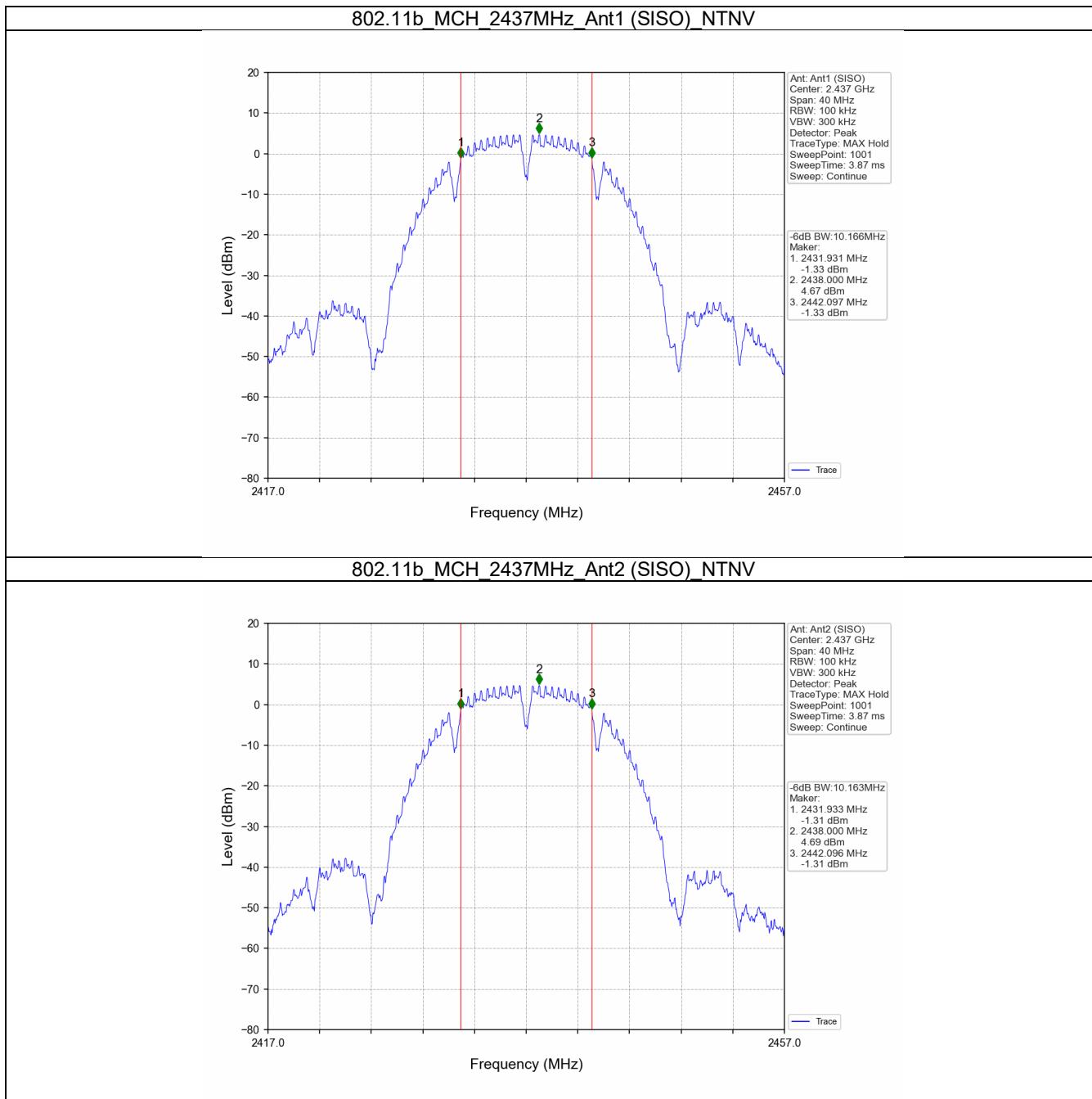
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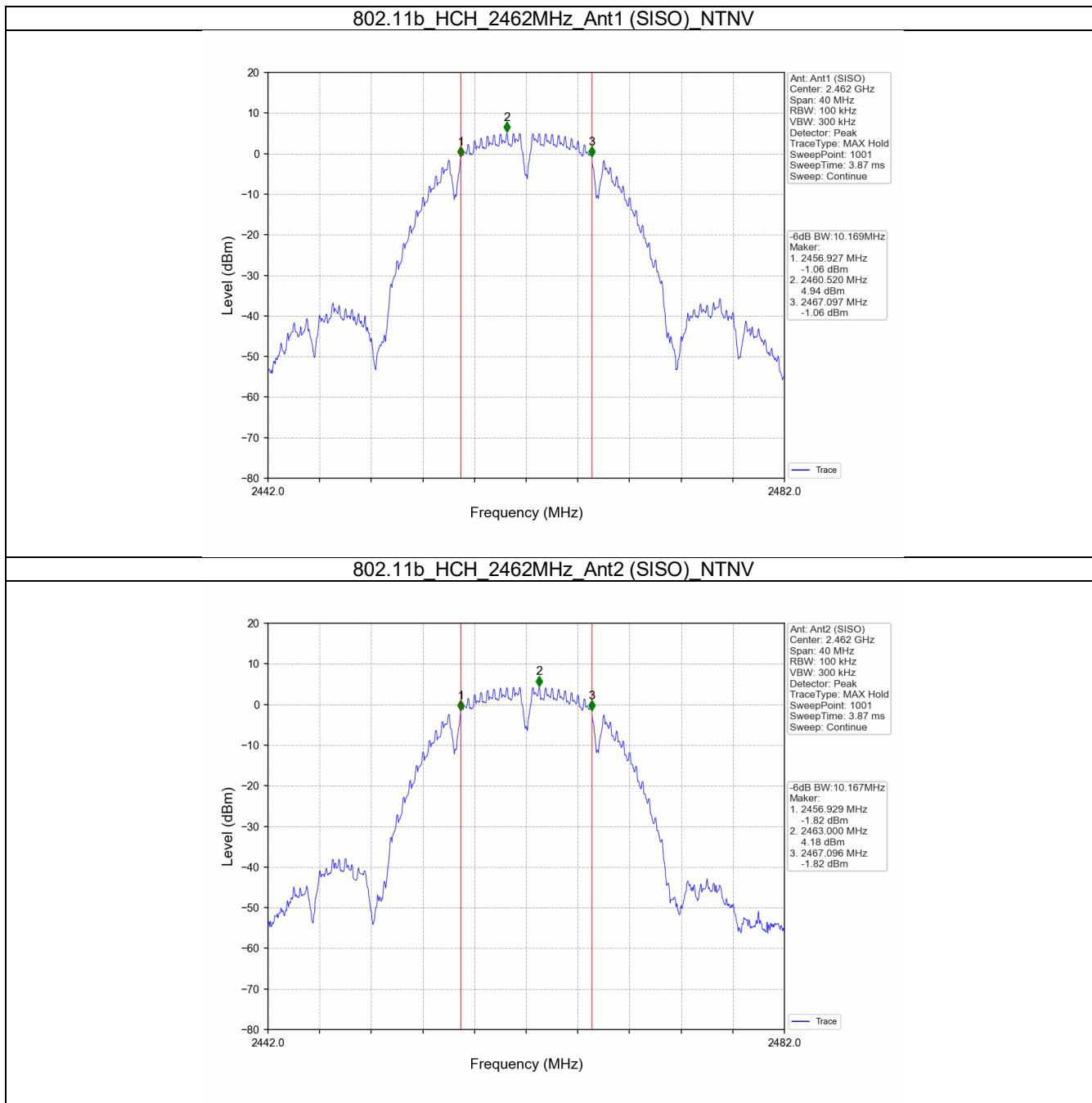
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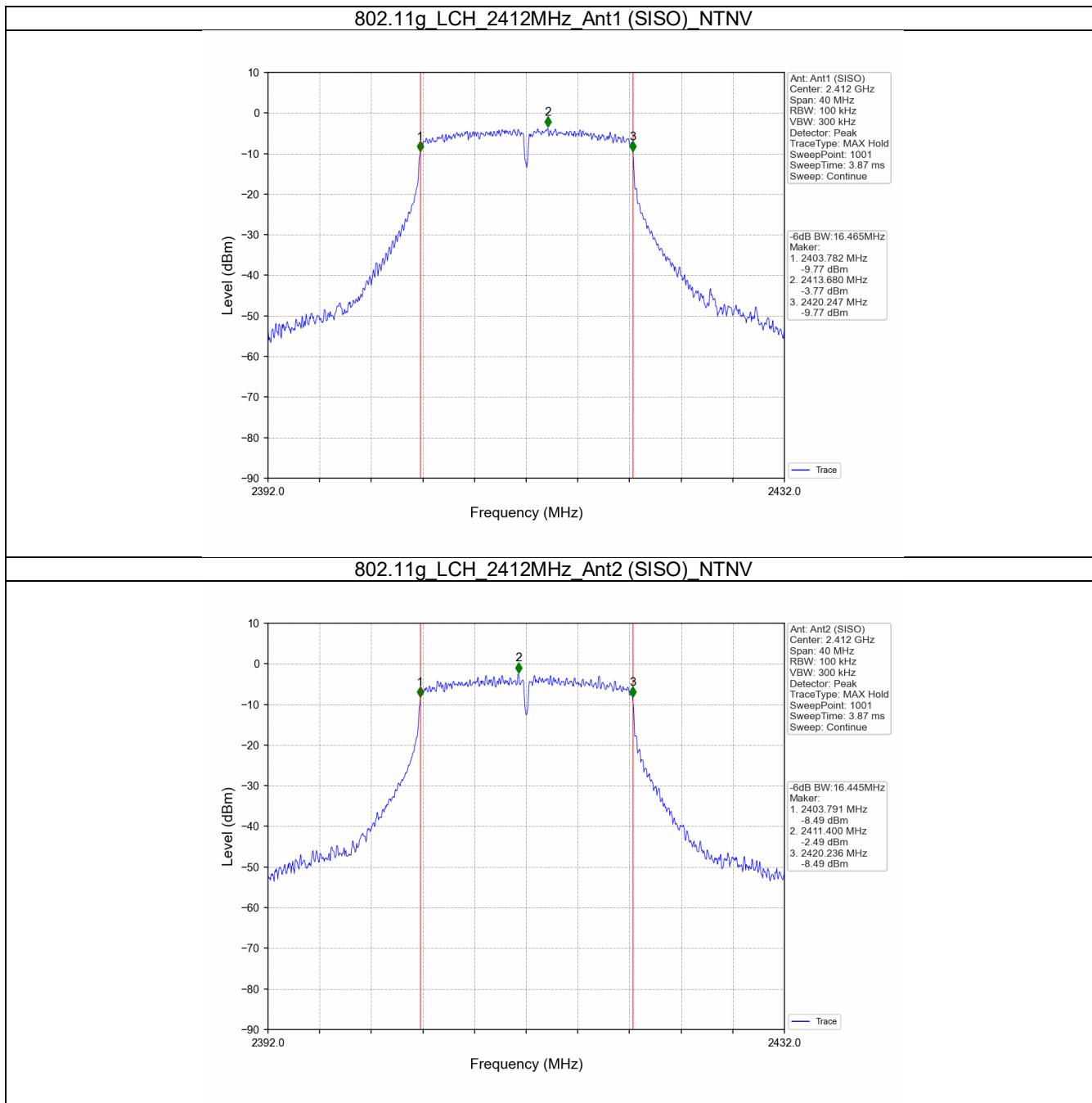




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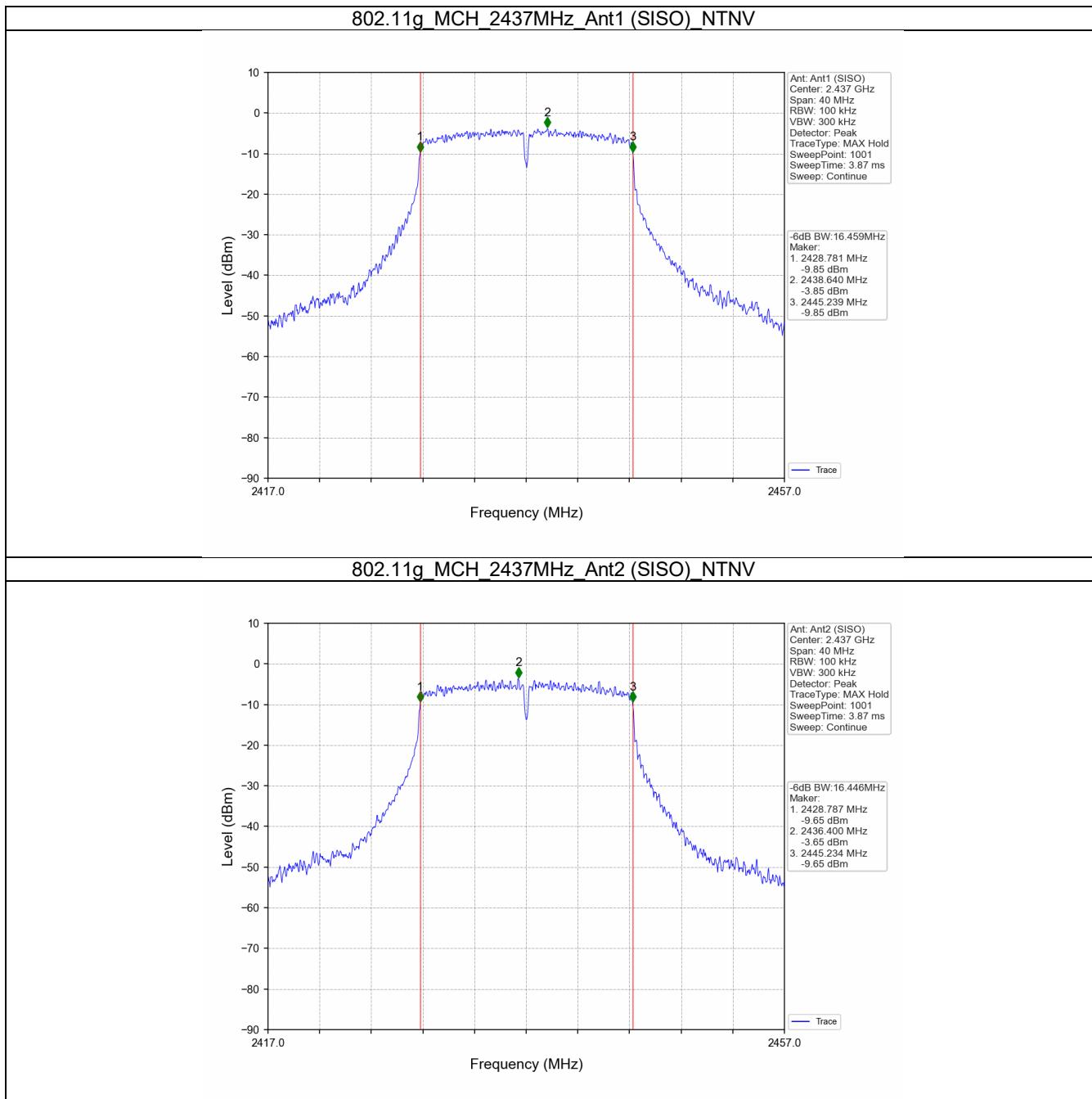




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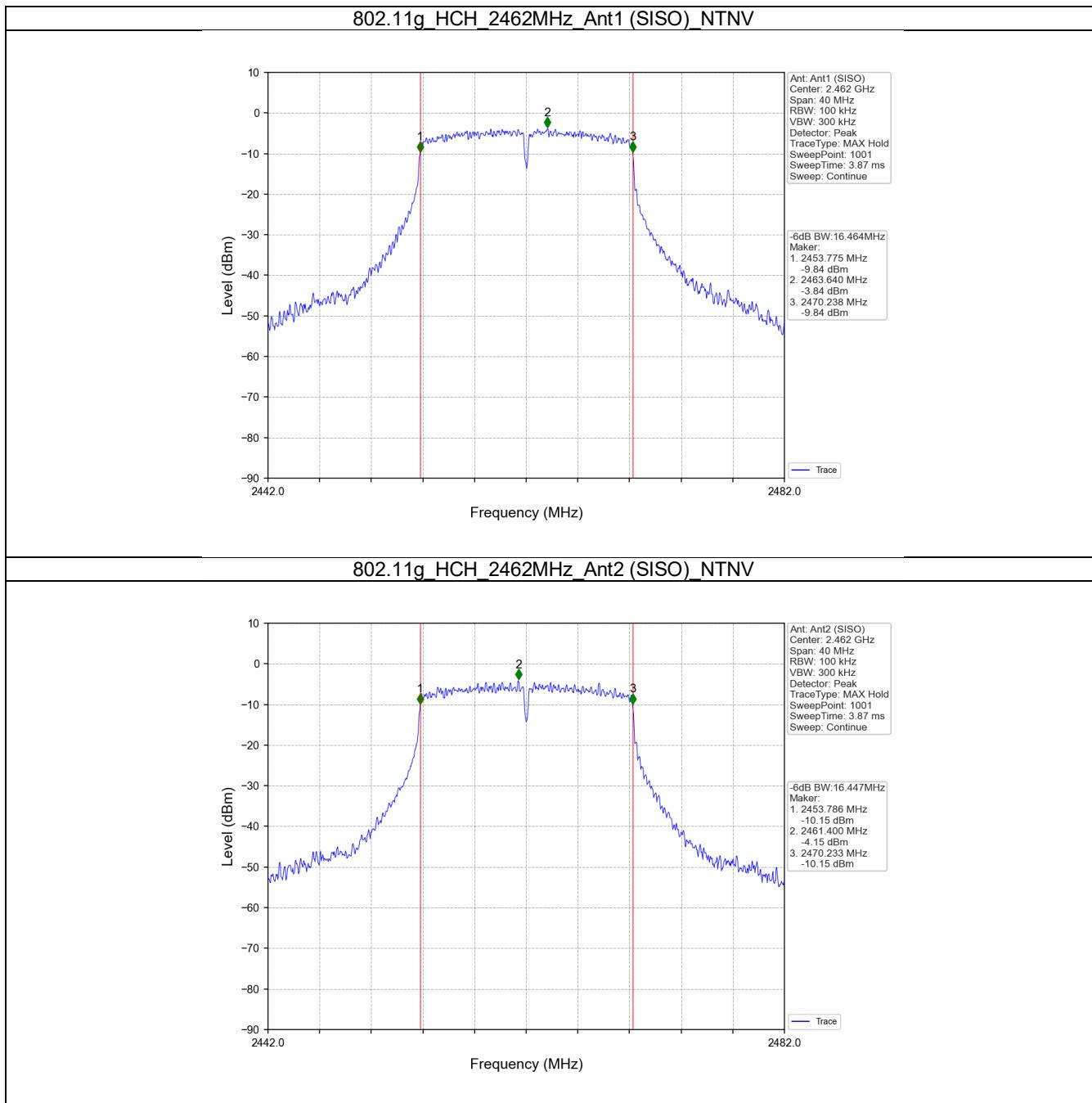




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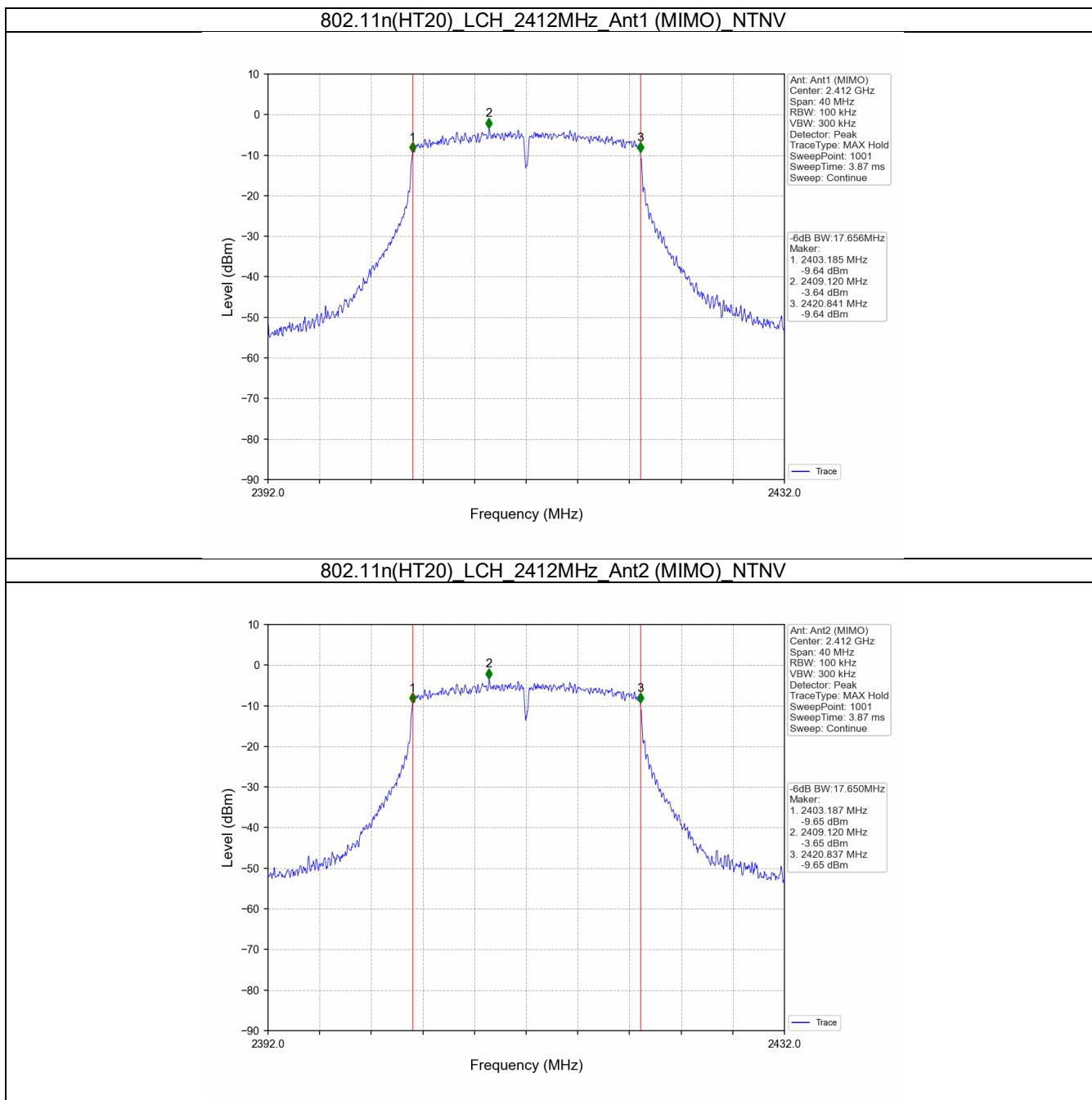




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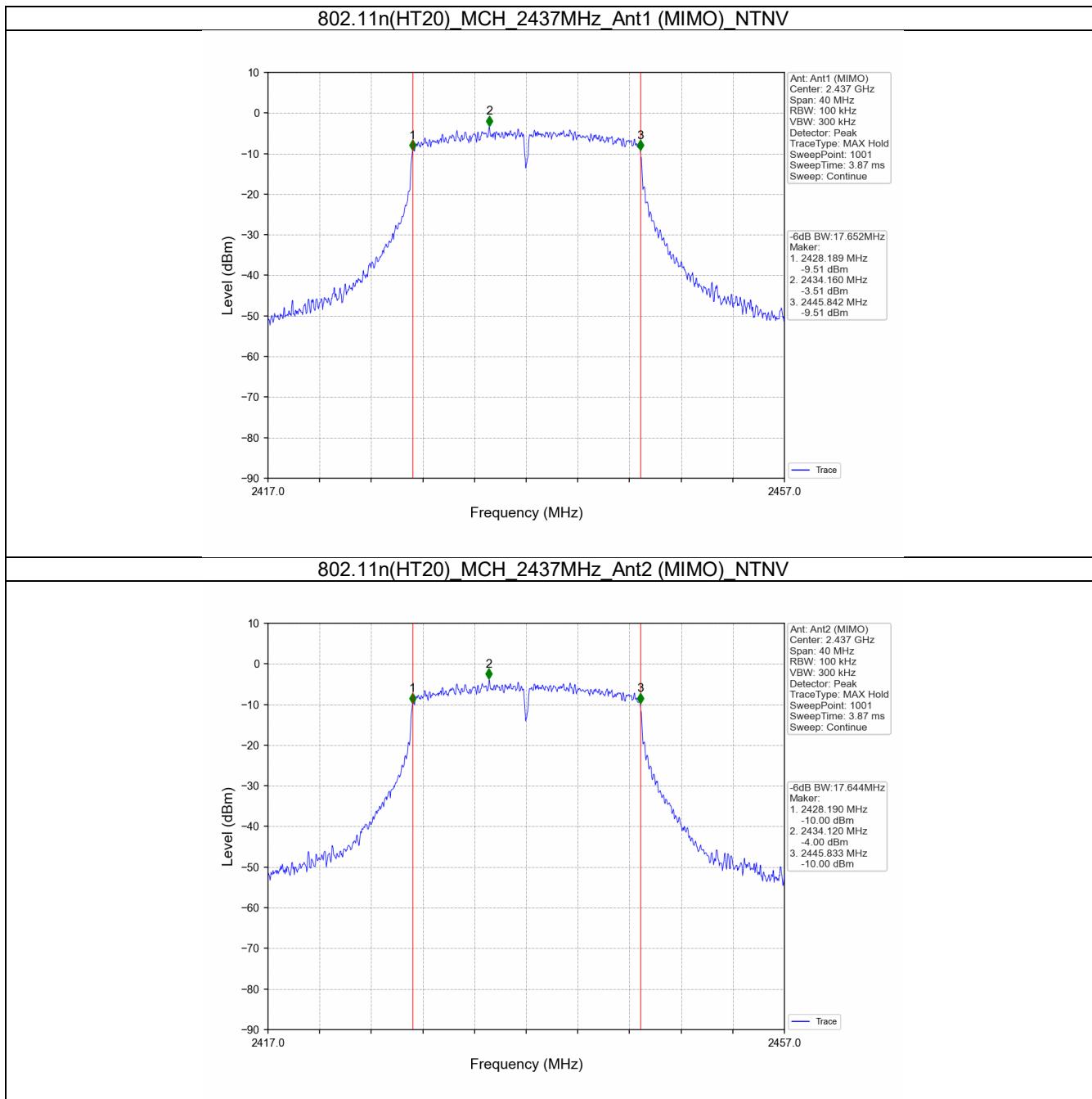




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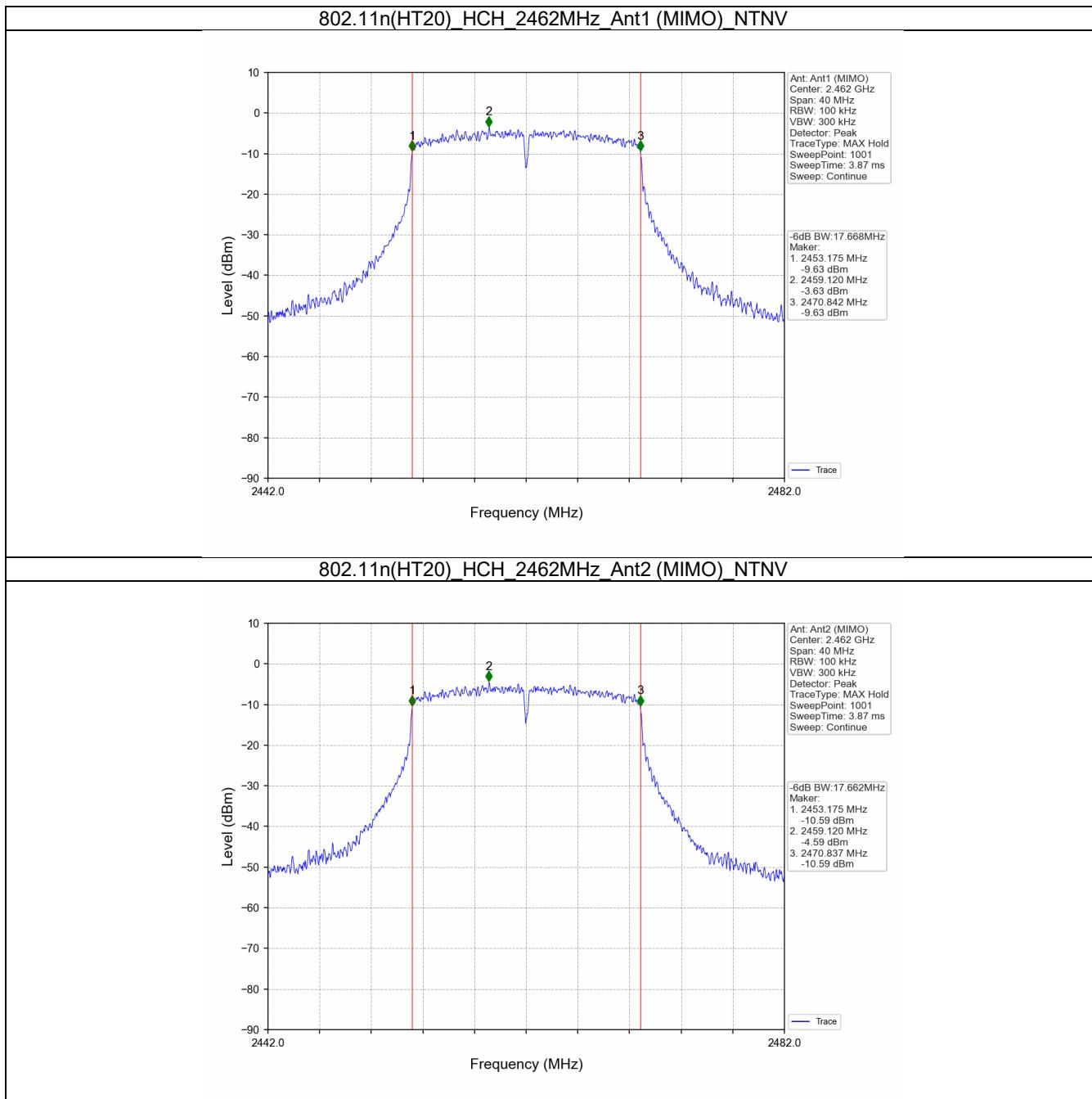
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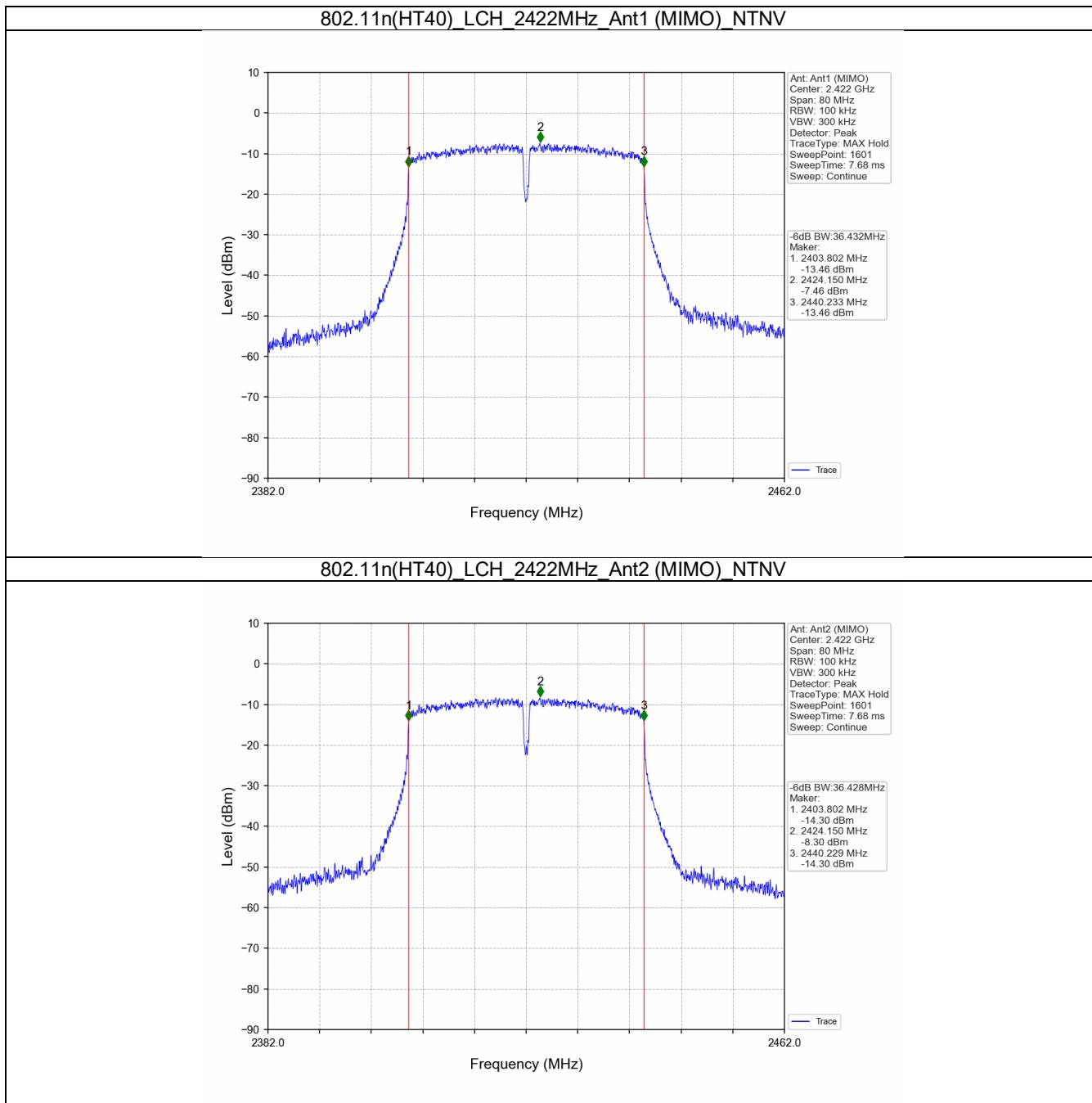
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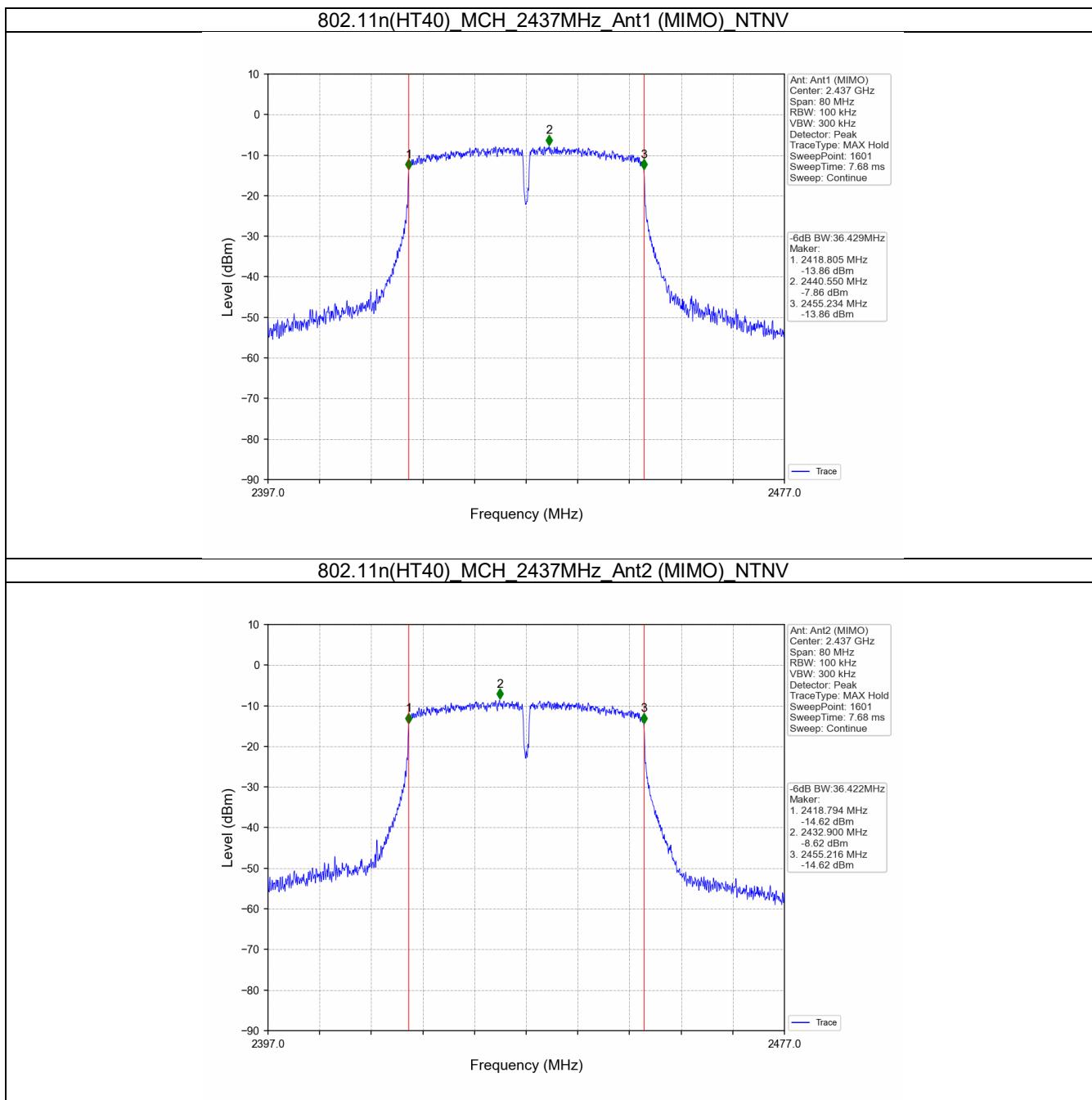




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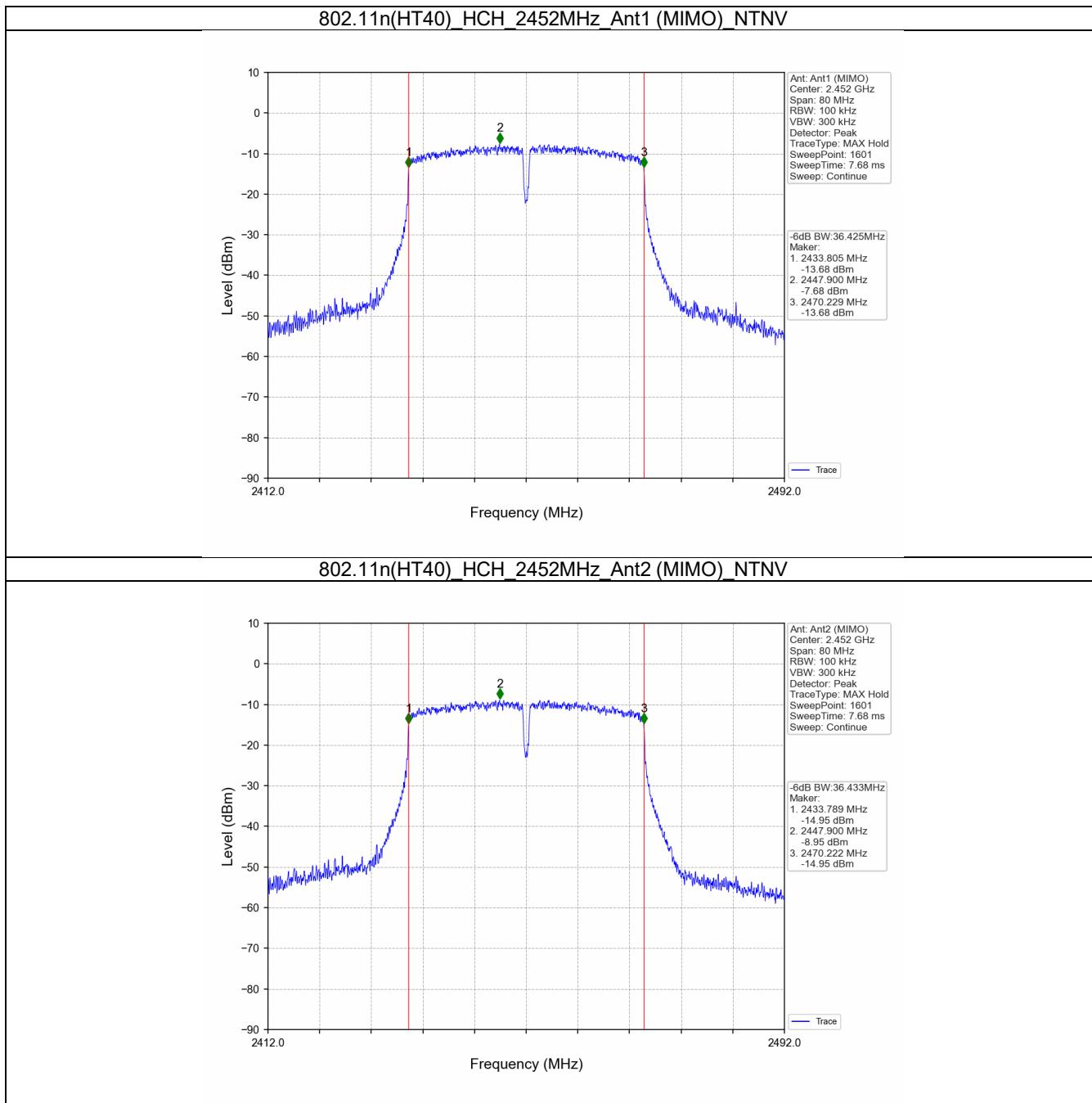




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### 3. Maximum Conducted Output Power

#### 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	17.67	17.82	/	<=30	Pass
		2437	17.52	17.55	/	<=30	Pass
		2462	17.88	17.07	/	<=30	Pass
802.11g	SISO	2412	17.77	17.83	/	<=30	Pass
		2437	17.58	17.36	/	<=30	Pass
		2462	17.66	16.87	/	<=30	Pass
802.11n (HT20)	MIMO	2412	17.86	17.66	20.77	<=30	Pass
		2437	17.70	17.22	20.48	<=30	Pass
		2462	17.74	16.76	20.29	<=30	Pass
802.11n (HT40)	MIMO	2422	17.35	16.57	19.99	<=30	Pass
		2437	17.05	16.15	19.63	<=30	Pass
		2452	17.09	15.92	19.55	<=30	Pass

Note1: Antenna Gain: Ant1: 1.75dBi; Ant2: 3.38dBi;  
Note2: Directional Gain: 5.65dBi.

### 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	-15.33	-15.19	/	<=8	Pass
		2437	-15.42	-15.47	/	<=8	Pass
		2462	-15.14	-15.95	/	<=8	Pass
802.11g	SISO	2412	-17.91	-18.30	/	<=8	Pass
		2437	-17.93	-18.77	/	<=8	Pass
		2462	-17.87	-19.26	/	<=8	Pass
802.11n (HT20)	MIMO	2412	-17.44	-17.72	-14.80	<=8	Pass
		2437	-17.24	-18.16	-14.66	<=8	Pass
		2462	-16.88	-18.35	-14.54	<=8	Pass
802.11n (HT40)	MIMO	2422	-19.43	-20.26	-16.97	<=8	Pass
		2437	-19.05	-20.86	-16.85	<=8	Pass
		2452	-19.35	-20.66	-16.94	<=8	Pass

Note1: Antenna Gain: Ant1: 1.75dBi; Ant2: 3.38dBi;  
Note2: Directional Gain: 5.65dBi.

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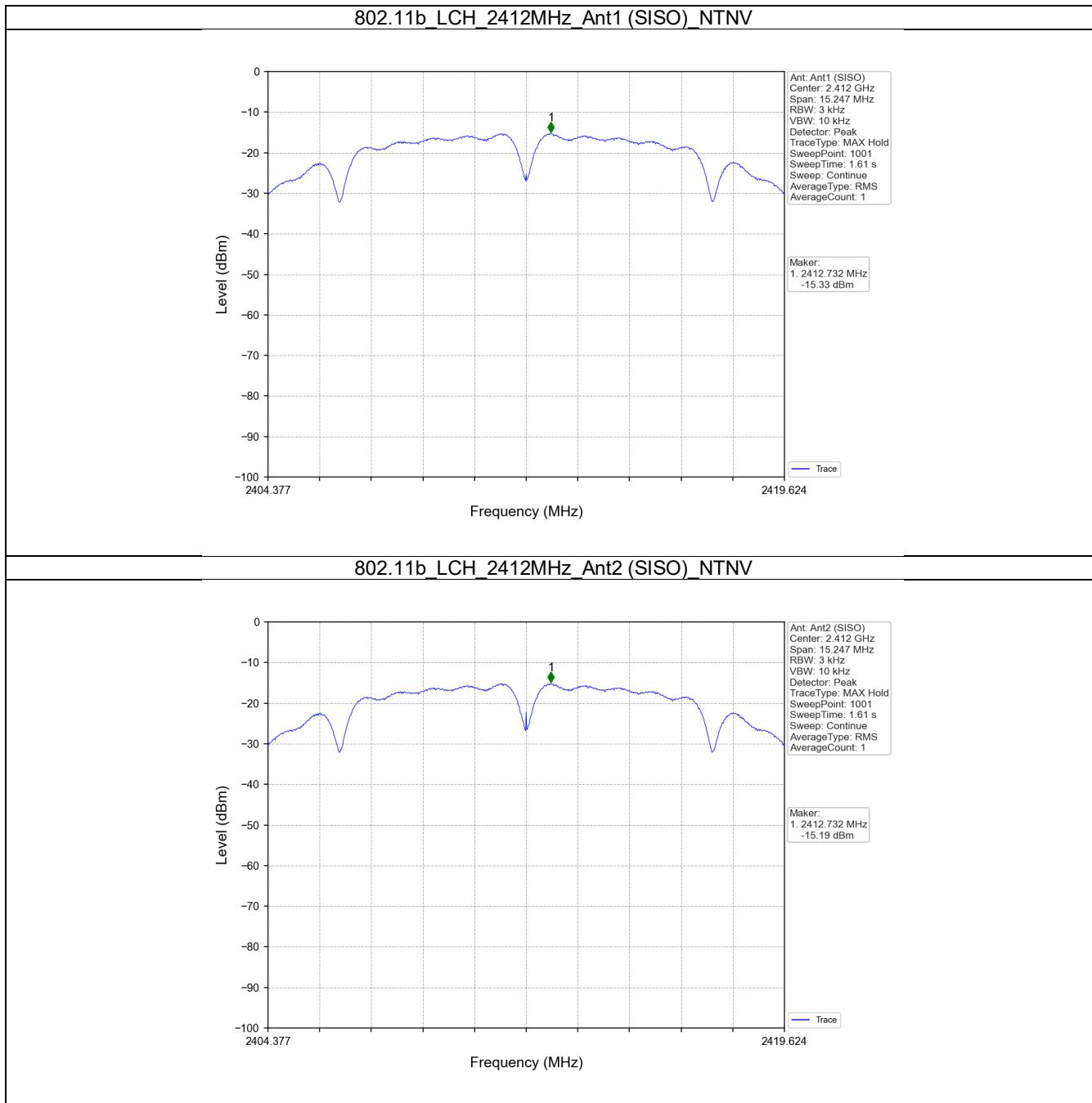
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## 4.1.2 Test Graph



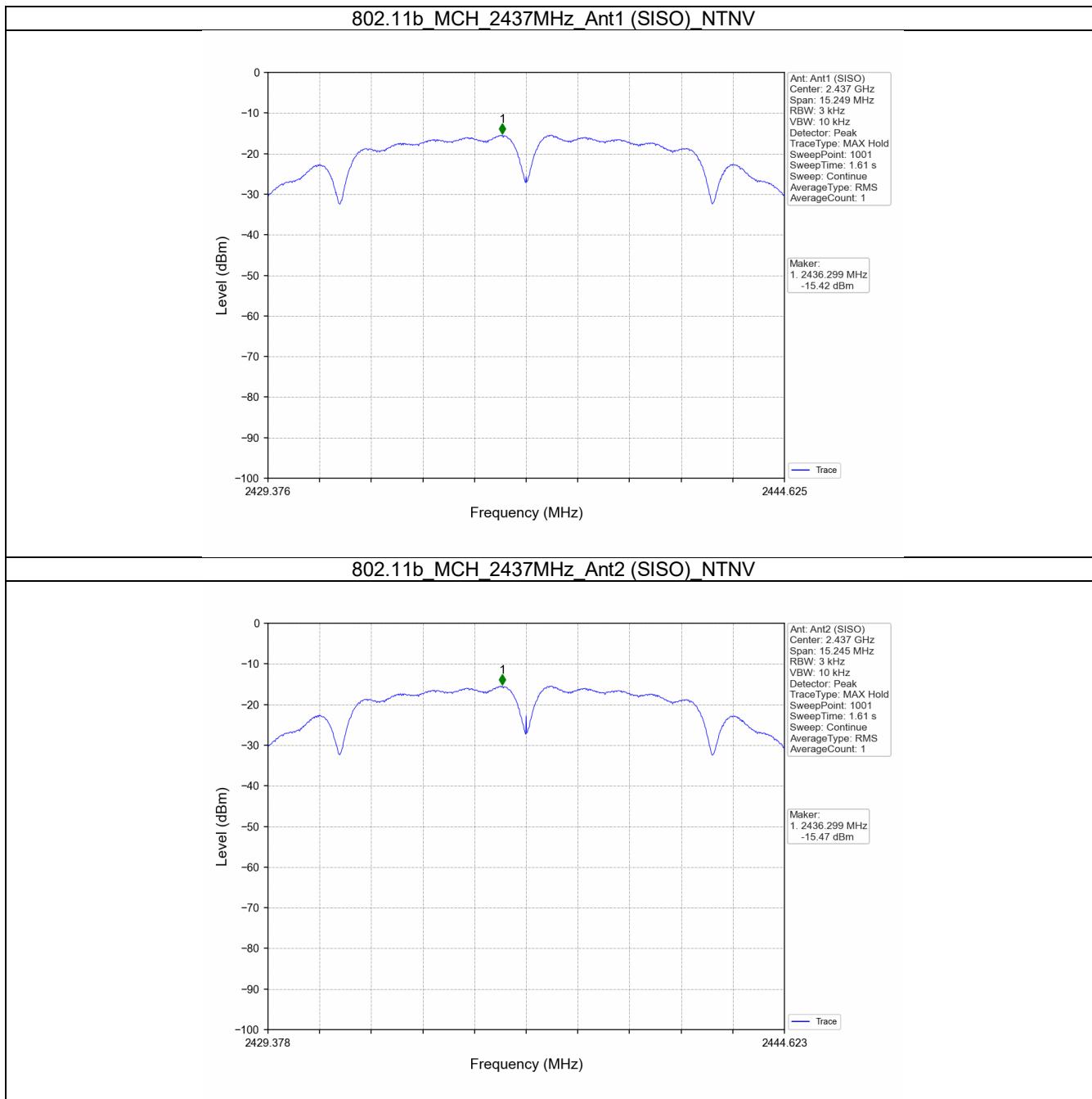
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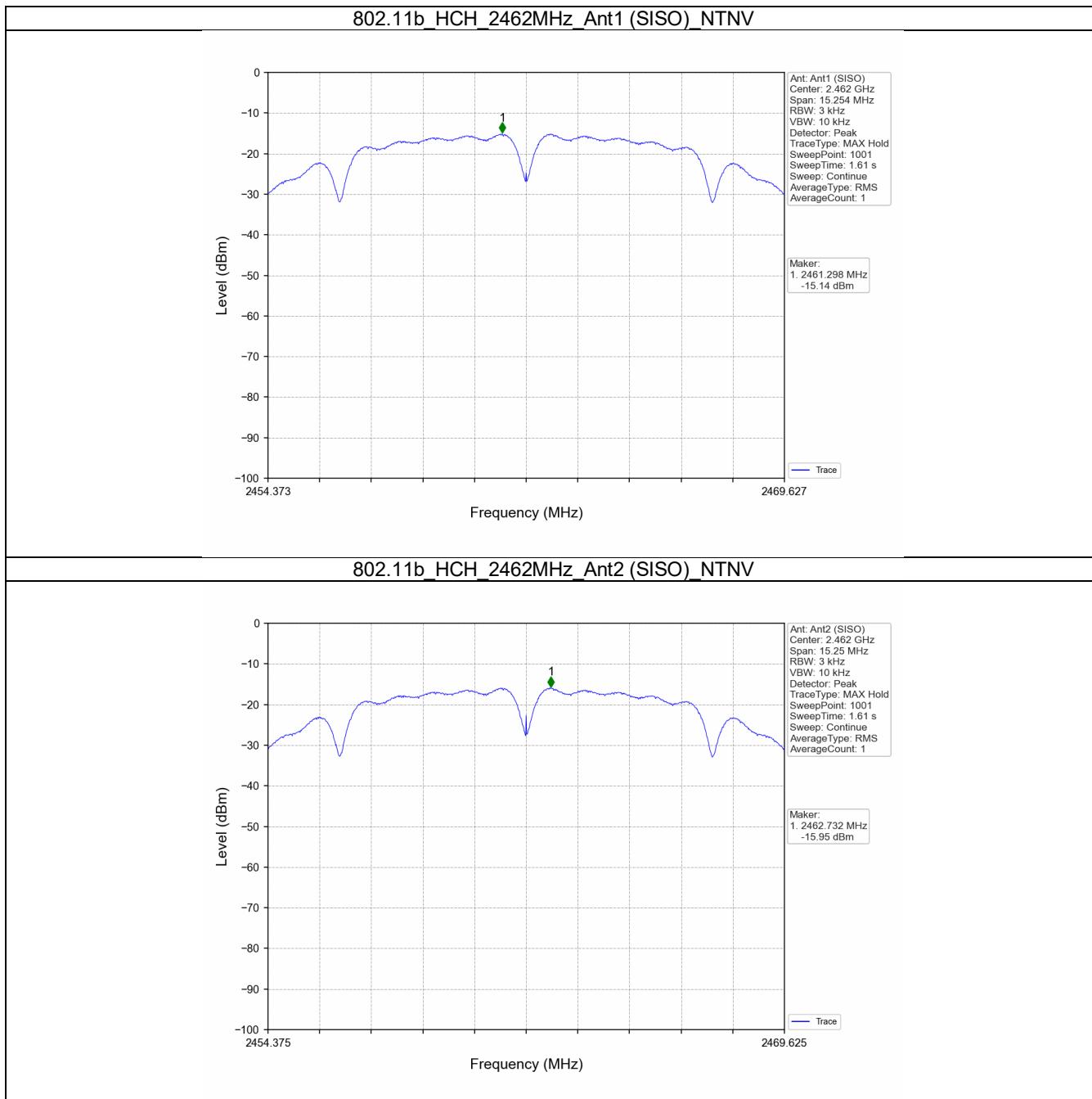
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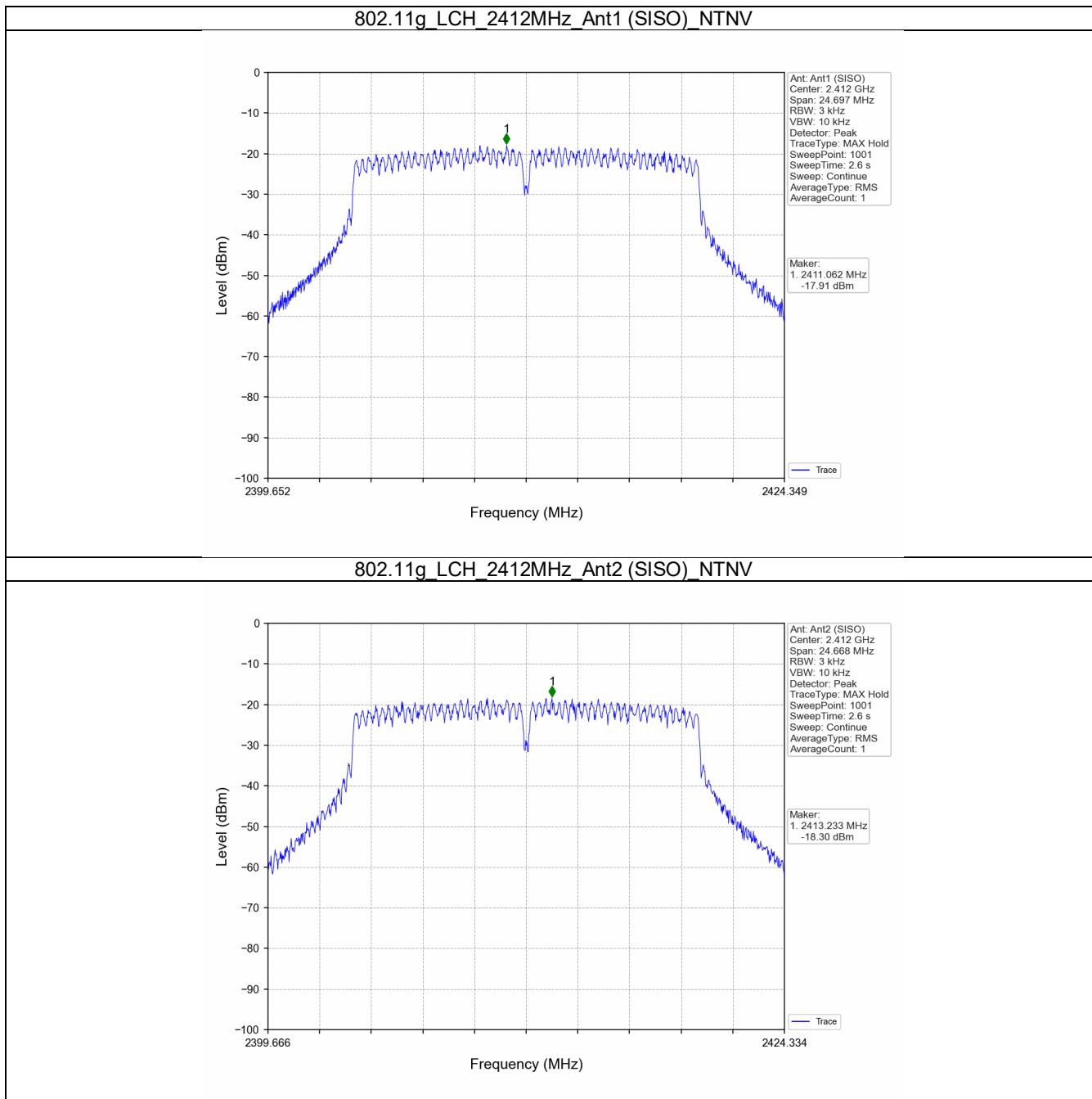
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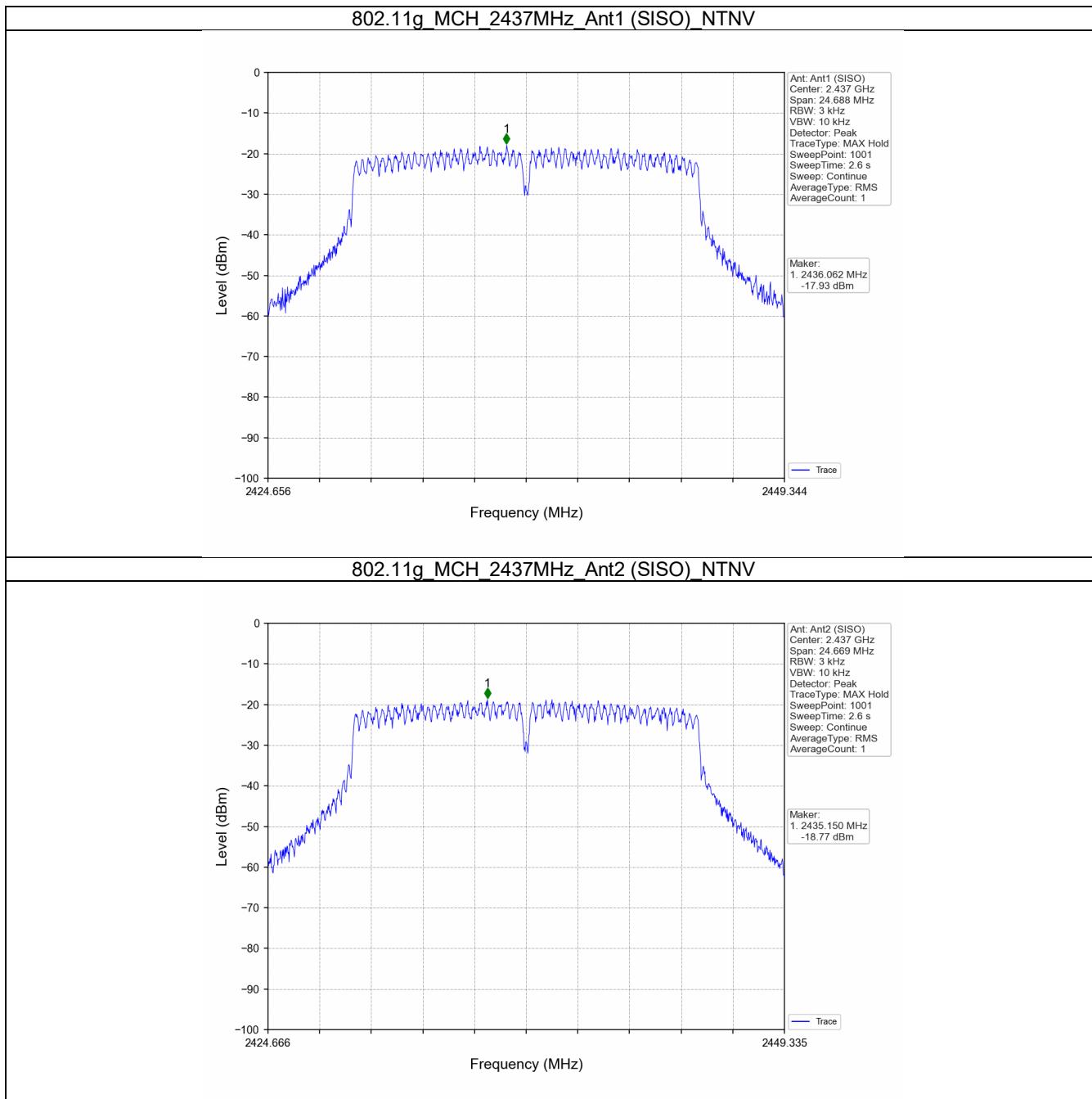
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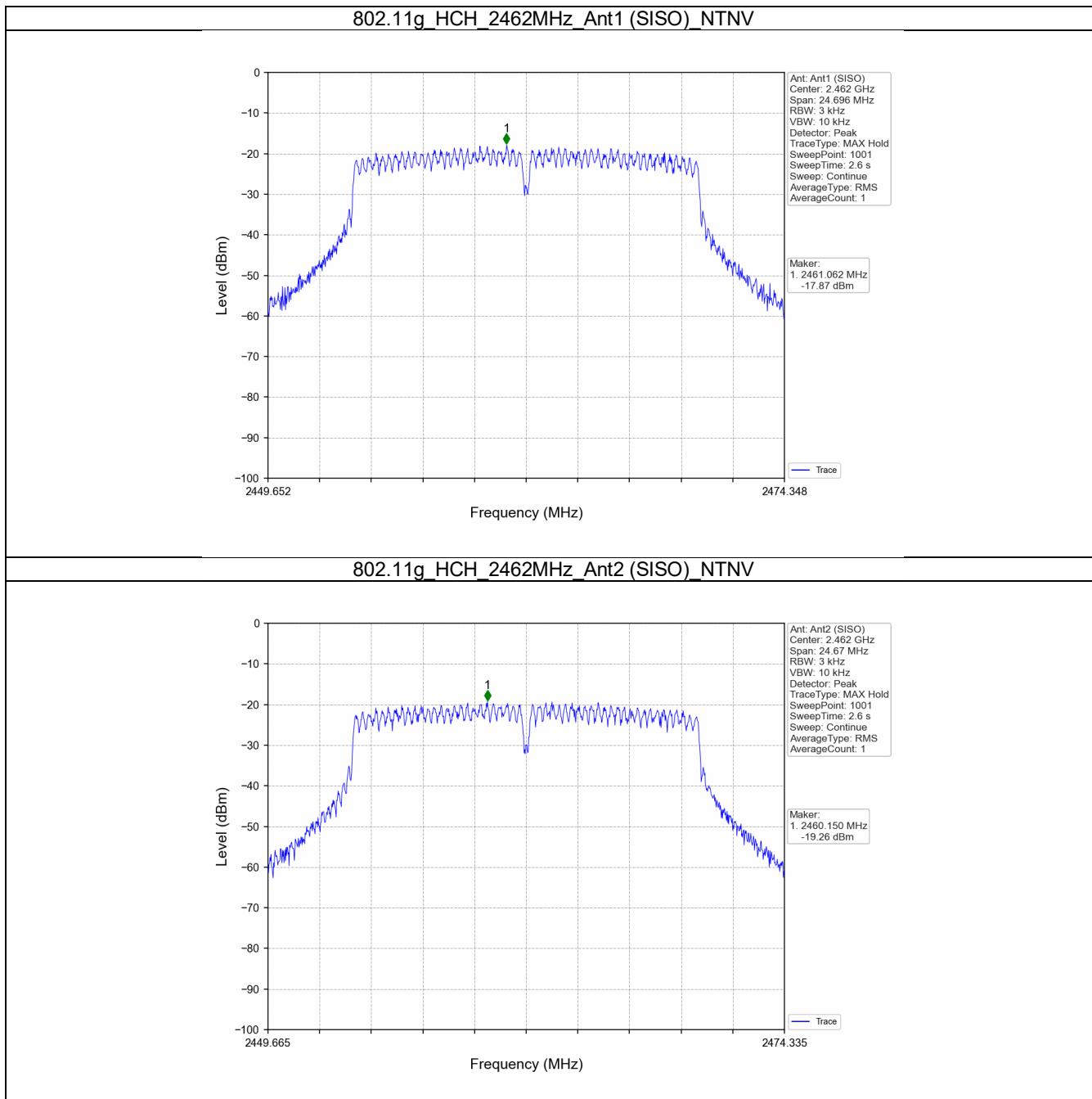
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