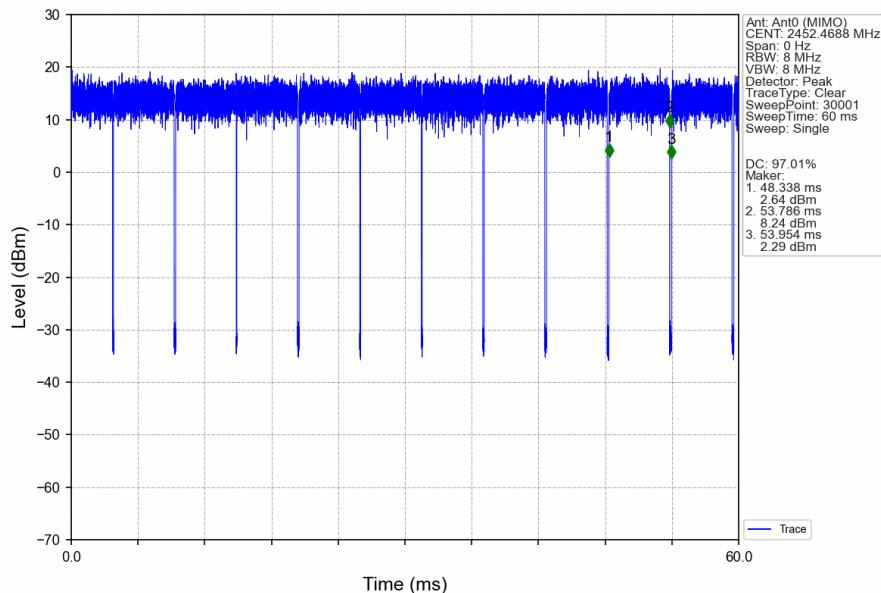
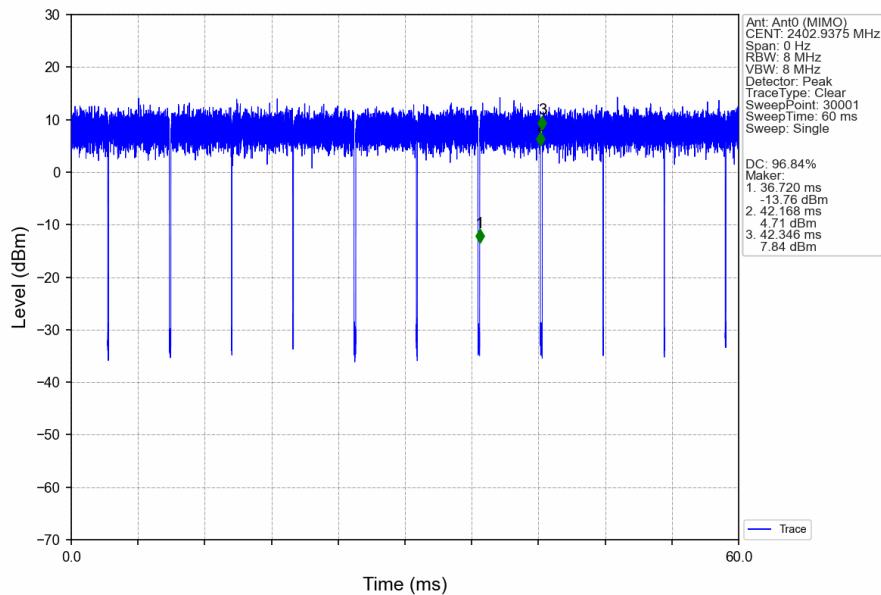


### 802.11be(EHT20)\_HCH\_2462MHz\_SU\_ / \_Ant0 (MIMO)\_NTNV



### 802.11be(EHT40)\_LCH\_2422MHz\_SU\_ / \_Ant0 (MIMO)\_NTNV



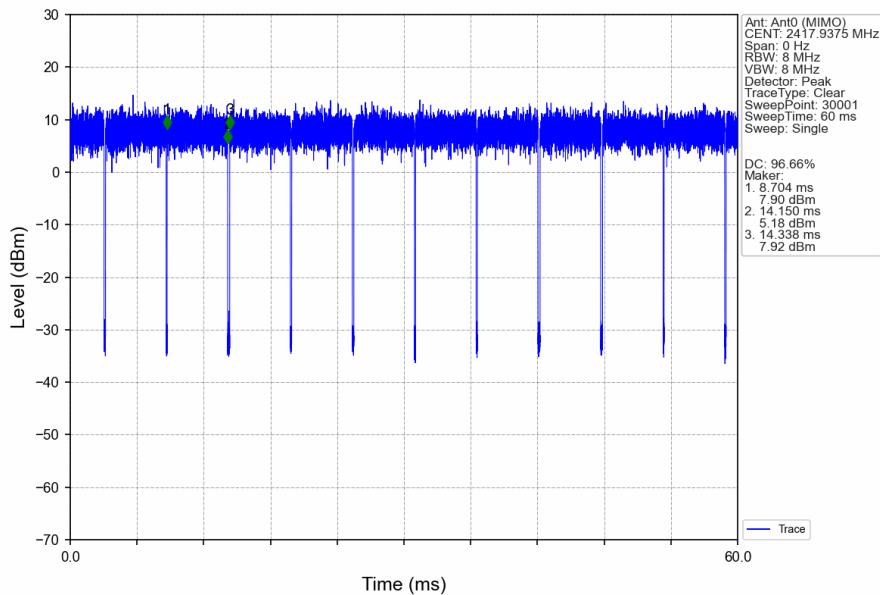
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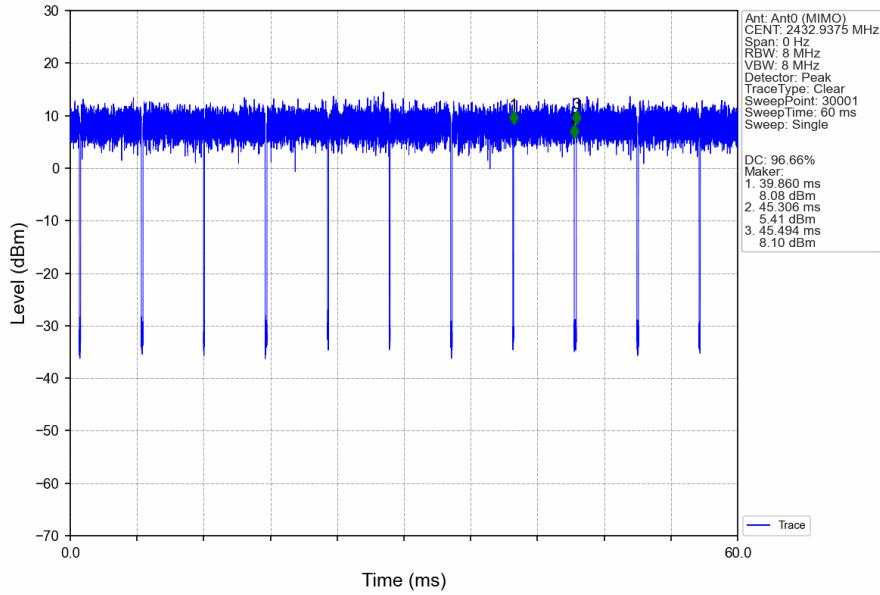


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### 802.11be(EHT40)\_MCH\_2437MHz\_SU\_ / \_Ant0 (MIMO)\_NTNV



### 802.11be(EHT40)\_HCH\_2452MHz\_SU\_ / \_Ant0 (MIMO)\_NTNV



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## 2. Bandwidth

### 2.1 Test Result

#### 2.1.1 OBW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	SISO	2412	/	/	0	13.015	/	Pass
		2437	/	/	0	13.172	/	Pass
		2462	/	/	0	13.614	/	Pass
802.11g	SISO	2412	/	/	0	17.358	/	Pass
		2437	/	/	0	17.350	/	Pass
		2462	/	/	0	17.403	/	Pass
802.11n (HT20)	MIMO	2412	/	/	0	18.096	/	Pass
		2437	/	/	0	18.085	/	Pass
		2462	/	/	0	18.054	/	Pass
802.11n (HT40)	MIMO	2422	/	/	0	36.929	/	Pass
		2437	/	/	0	36.975	/	Pass
		2452	/	/	0	36.914	/	Pass
802.11ax (HEW20)	MIMO	2412	SU	/	0	19.186	/	Pass
		2437	SU	/	0	19.189	/	Pass
		2462	SU	/	0	19.172	/	Pass
802.11ax (HEW40)	MIMO	2422	SU	/	0	38.204	/	Pass
		2437	SU	/	0	38.219	/	Pass
		2452	SU	/	0	38.194	/	Pass
802.11be (EHT20)	MIMO	2412	SU	/	0	19.174	/	Pass
		2437	SU	/	0	19.186	/	Pass
		2462	SU	/	0	19.197	/	Pass
802.11be (EHT40)	MIMO	2422	SU	/	0	38.187	/	Pass
		2437	SU	/	0	38.207	/	Pass
		2452	SU	/	0	38.194	/	Pass

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## 2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	SISO	2412	/	/	0	8.088	>=0.5	Pass
		2437	/	/	0	7.144	>=0.5	Pass
		2462	/	/	0	6.561	>=0.5	Pass
802.11g	SISO	2412	/	/	0	15.148	>=0.5	Pass
		2437	/	/	0	15.472	>=0.5	Pass
		2462	/	/	0	15.108	>=0.5	Pass
802.11n (HT20)	MIMO	2412	/	/	0	13.861	>=0.5	Pass
		2437	/	/	0	15.682	>=0.5	Pass
		2462	/	/	0	15.119	>=0.5	Pass
802.11n (HT40)	MIMO	2422	/	/	0	35.126	>=0.5	Pass
		2437	/	/	0	35.048	>=0.5	Pass
		2452	/	/	0	35.099	>=0.5	Pass
802.11ax (HEW20)	MIMO	2412	SU	/	0	15.857	>=0.5	Pass
		2437	SU	/	0	15.056	>=0.5	Pass
		2462	SU	/	0	15.088	>=0.5	Pass
802.11ax (HEW40)	MIMO	2422	SU	/	0	35.110	>=0.5	Pass
		2437	SU	/	0	35.046	>=0.5	Pass
		2452	SU	/	0	35.109	>=0.5	Pass
802.11be (EHT20)	MIMO	2412	SU	/	0	15.158	>=0.5	Pass
		2437	SU	/	0	15.101	>=0.5	Pass
		2462	SU	/	0	15.158	>=0.5	Pass
802.11be (EHT40)	MIMO	2422	SU	/	0	35.042	>=0.5	Pass
		2437	SU	/	0	33.875	>=0.5	Pass
		2452	SU	/	0	35.147	>=0.5	Pass

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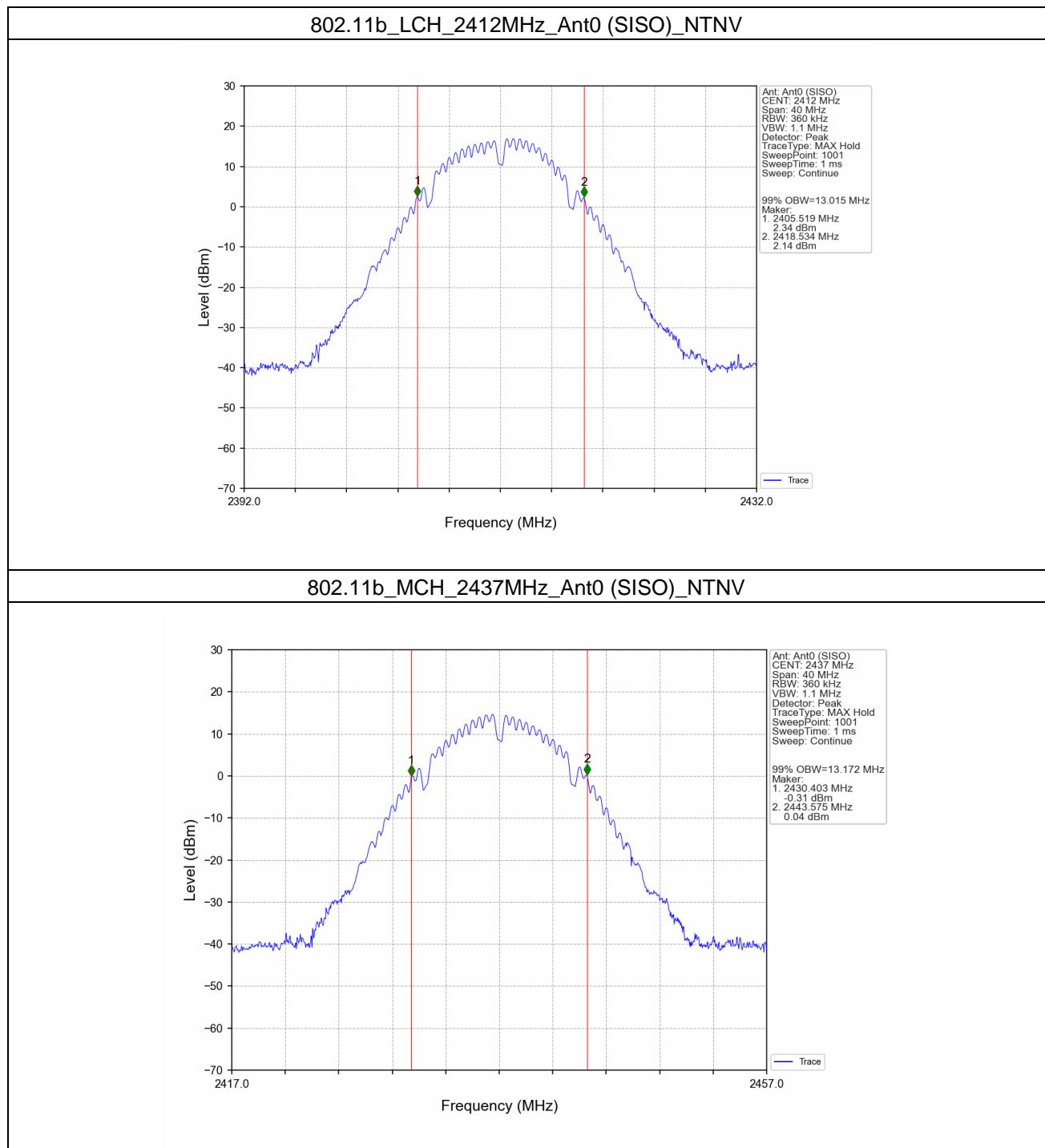
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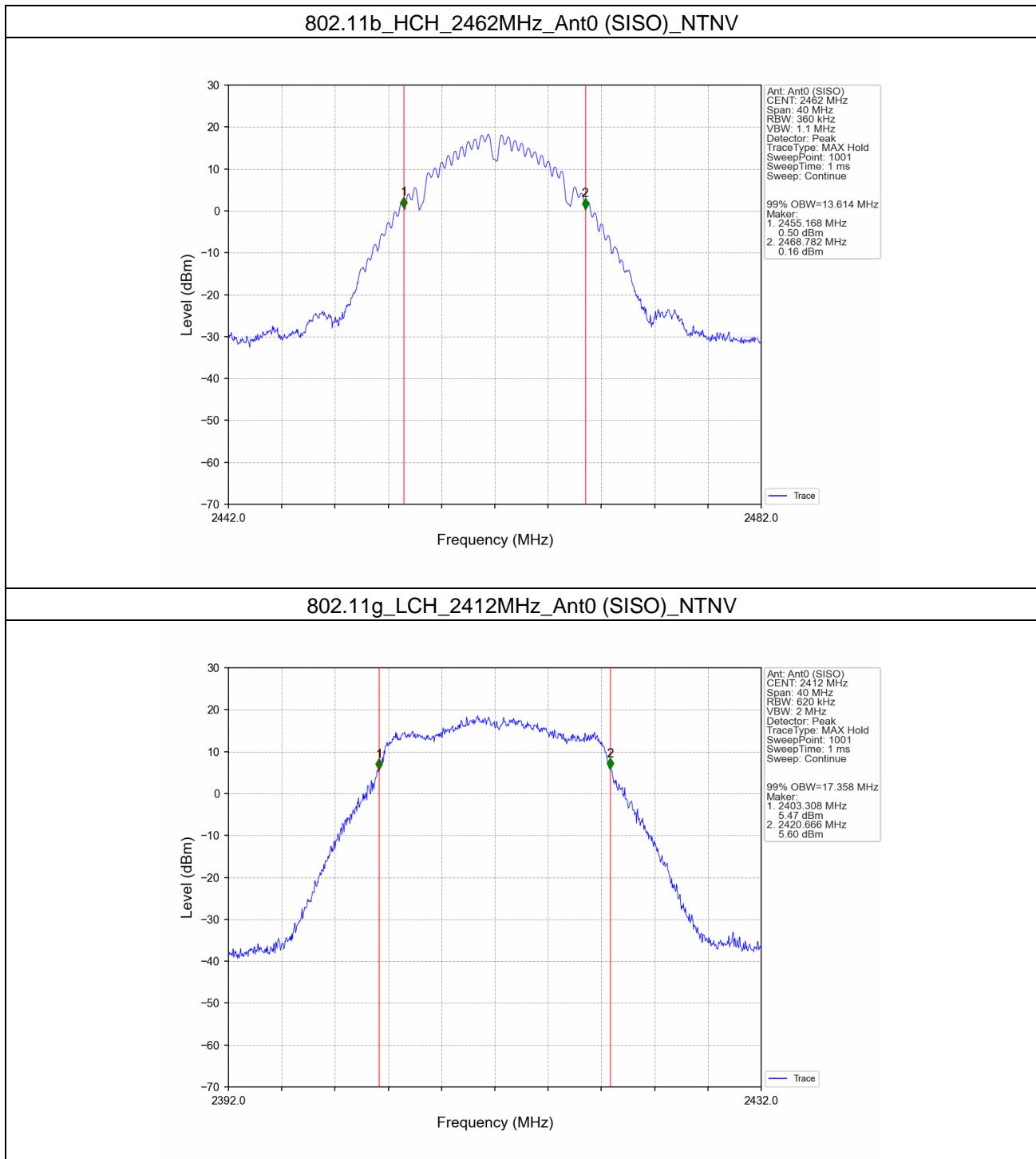
## 2.2 Test Graph

## 2.2.1 OBW



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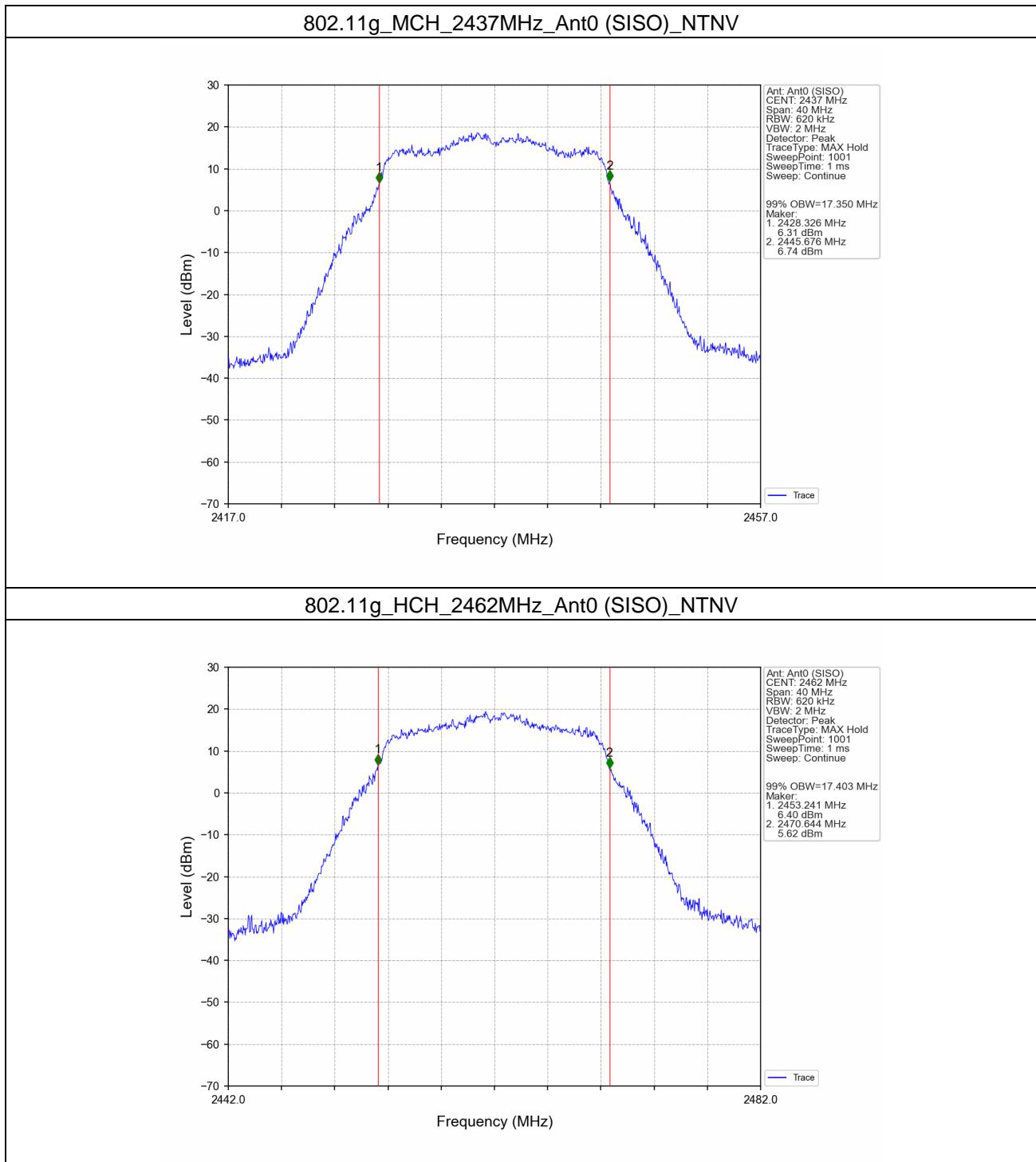
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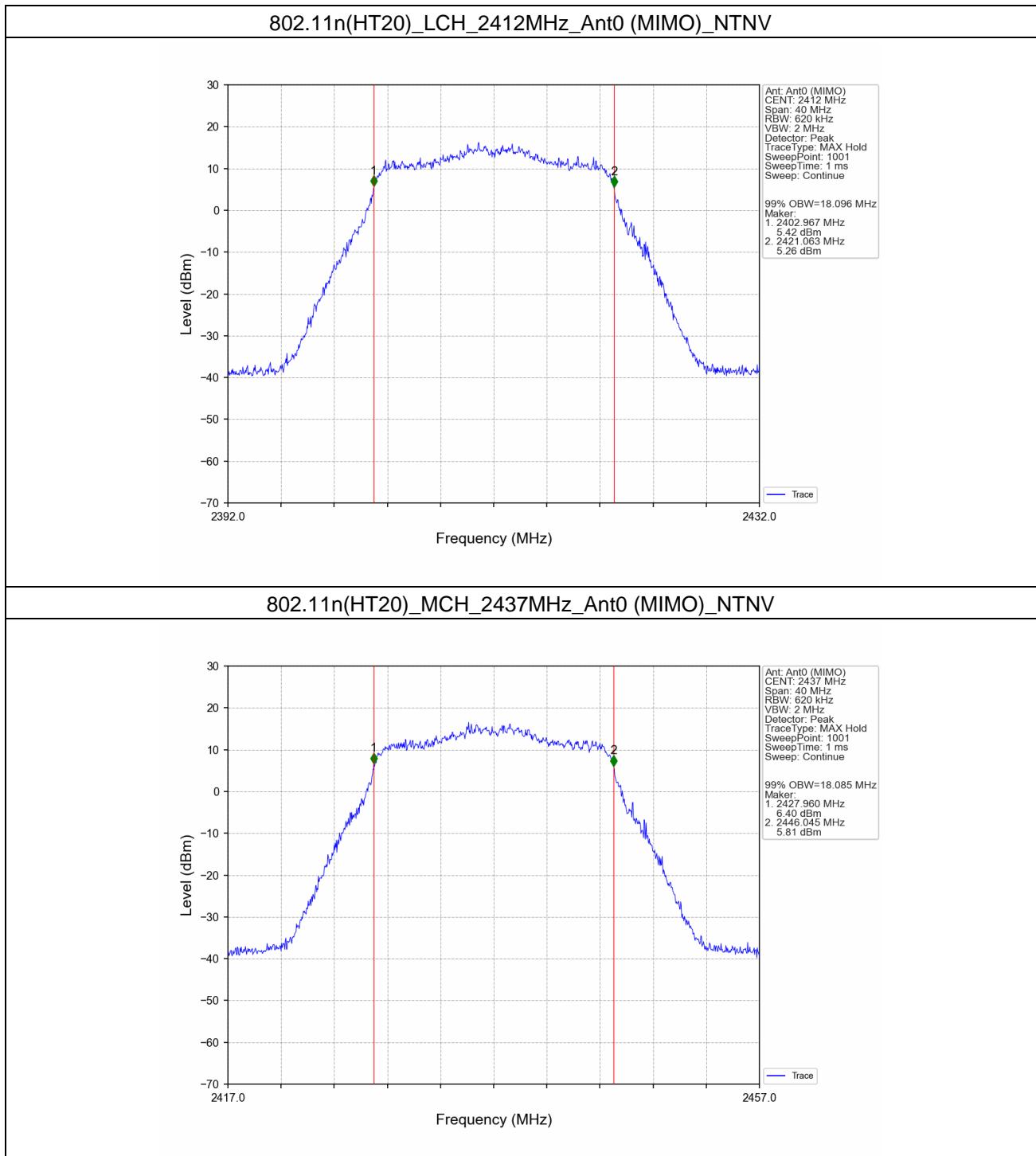
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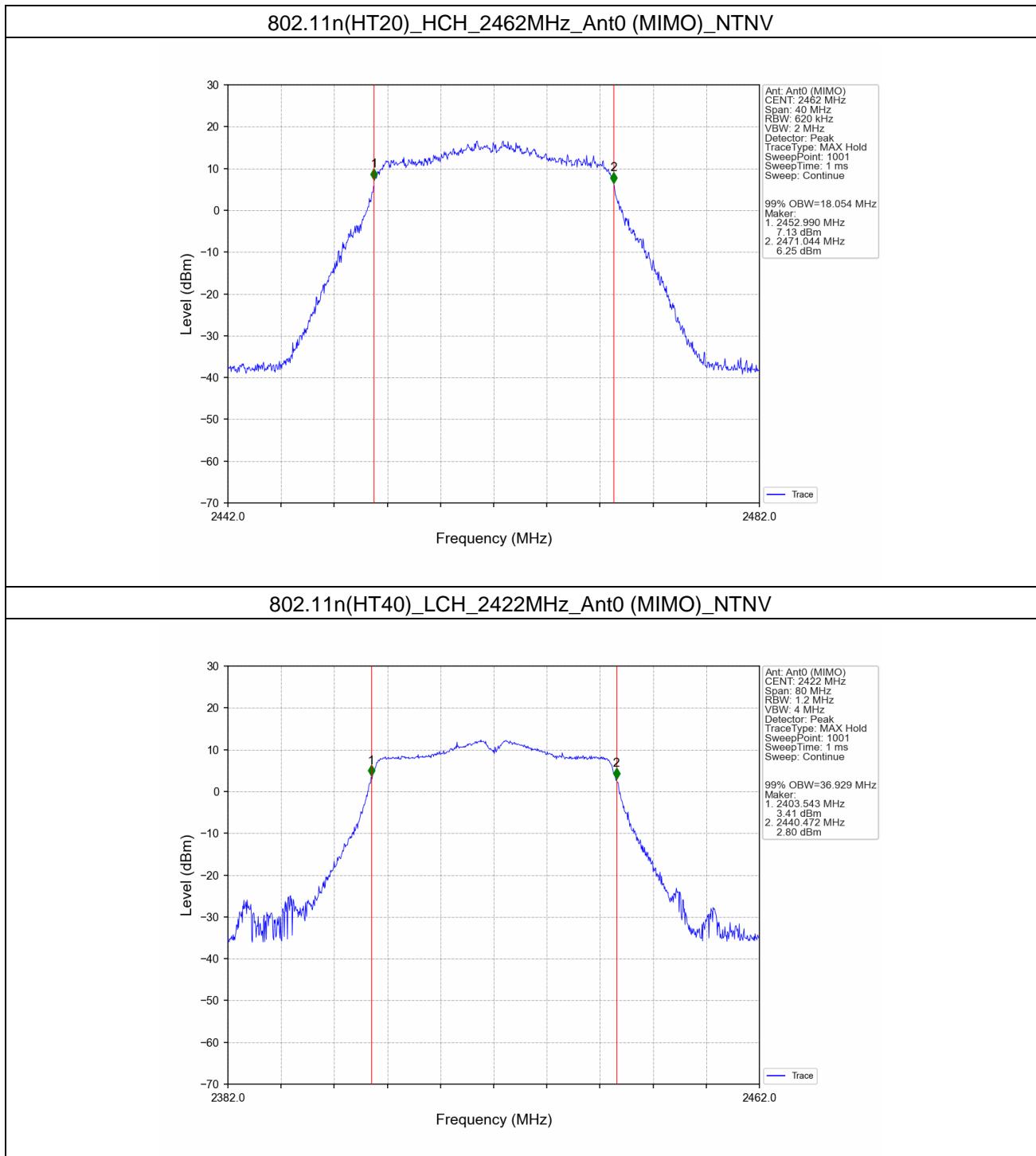
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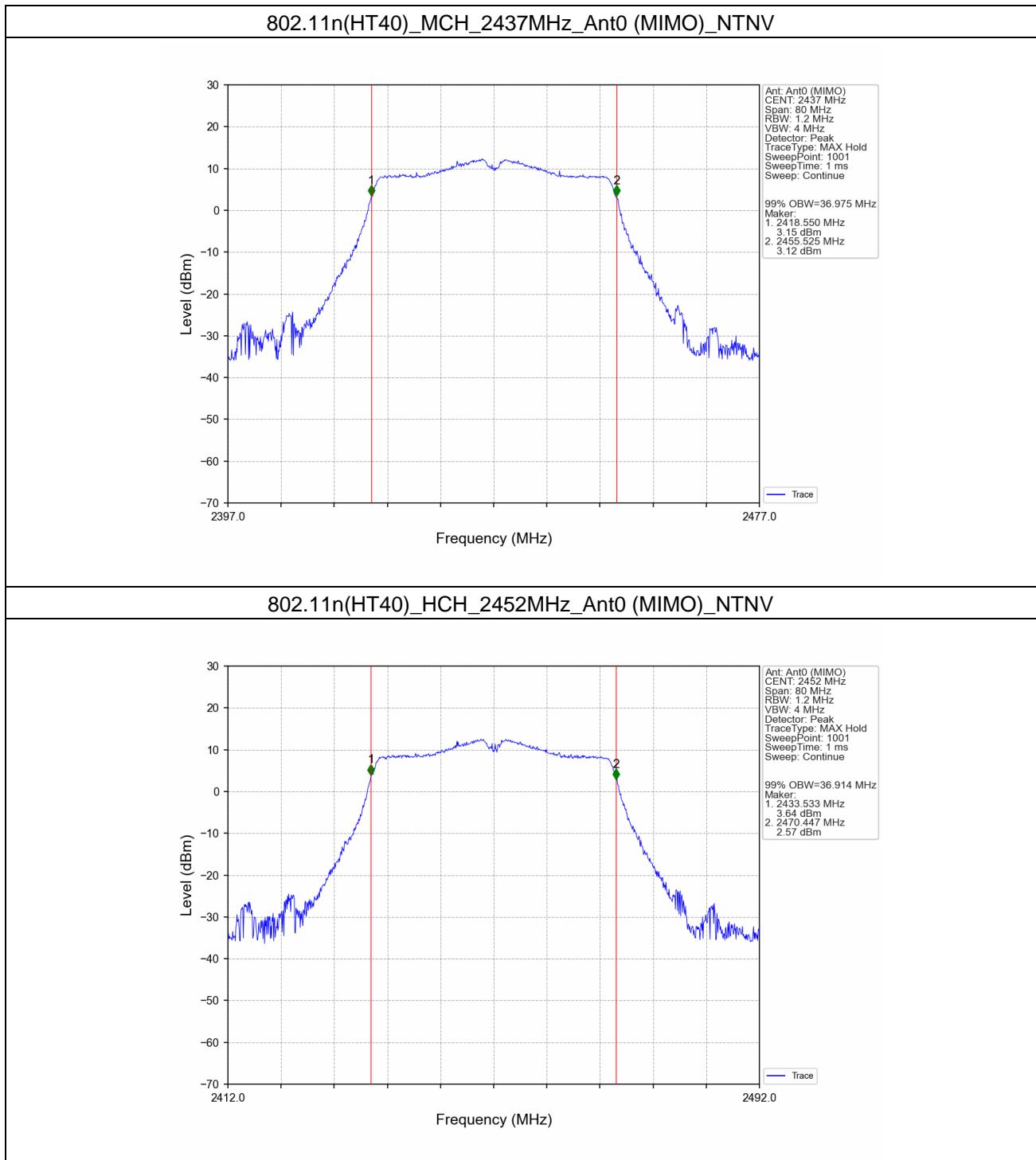
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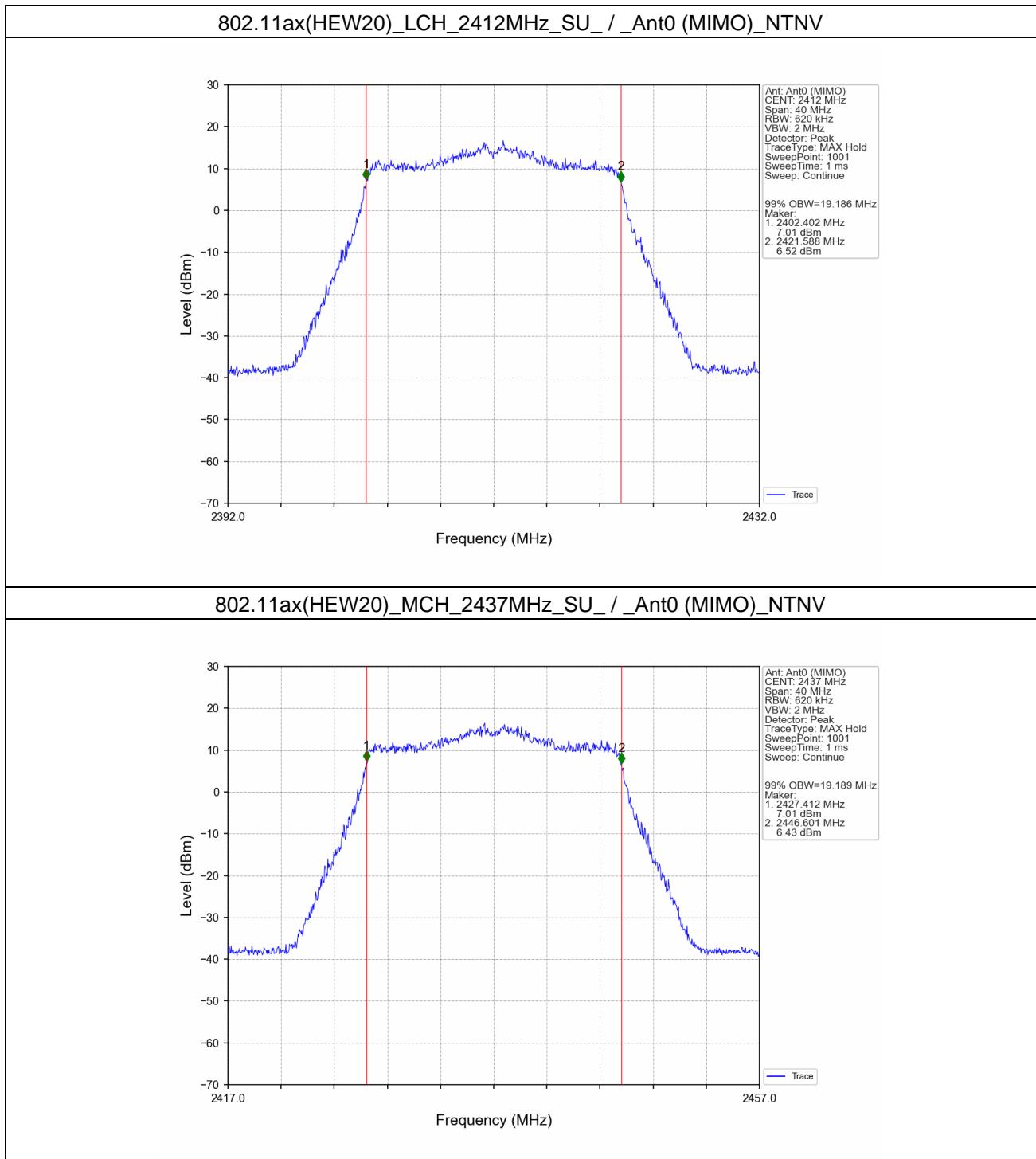
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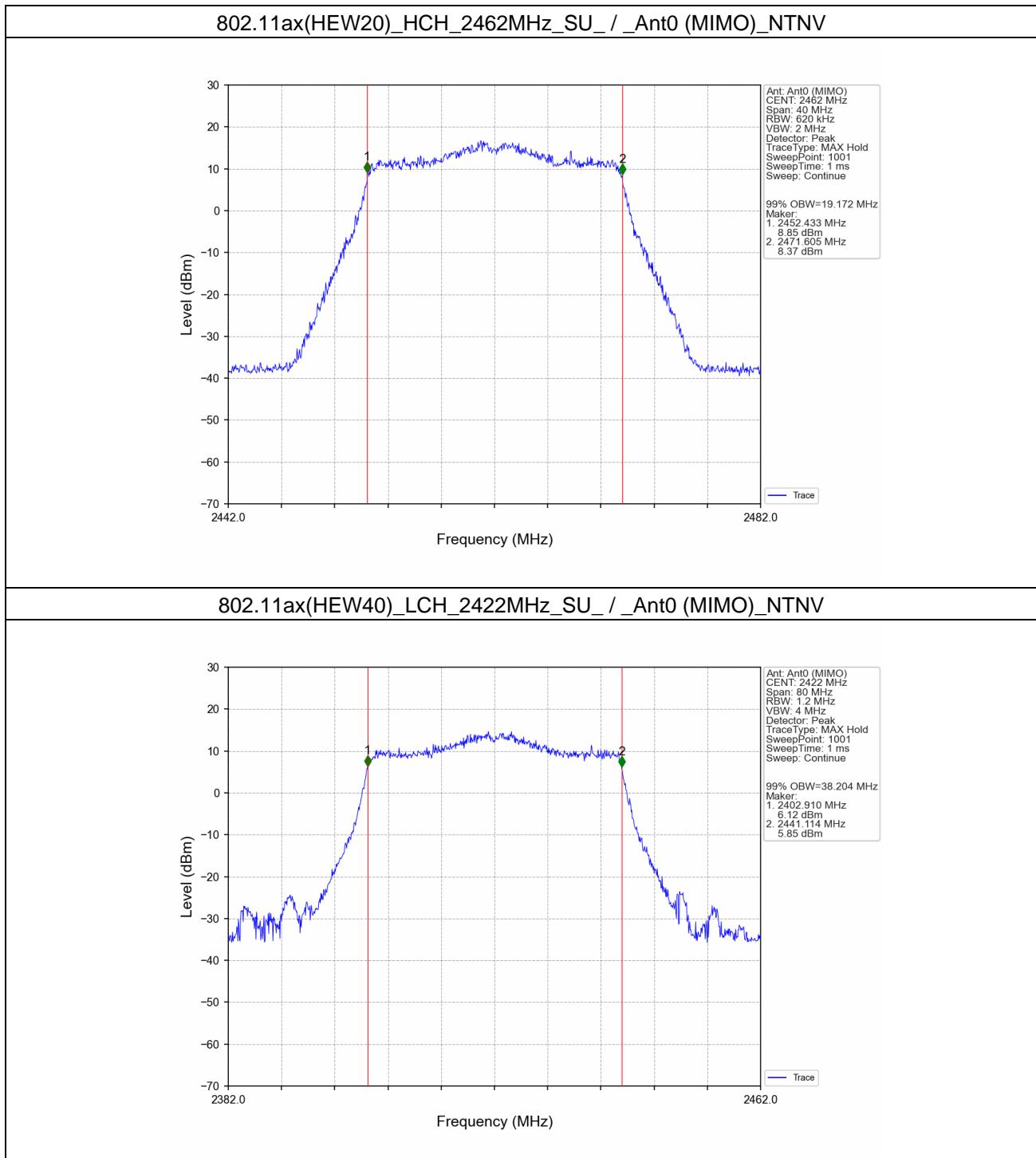


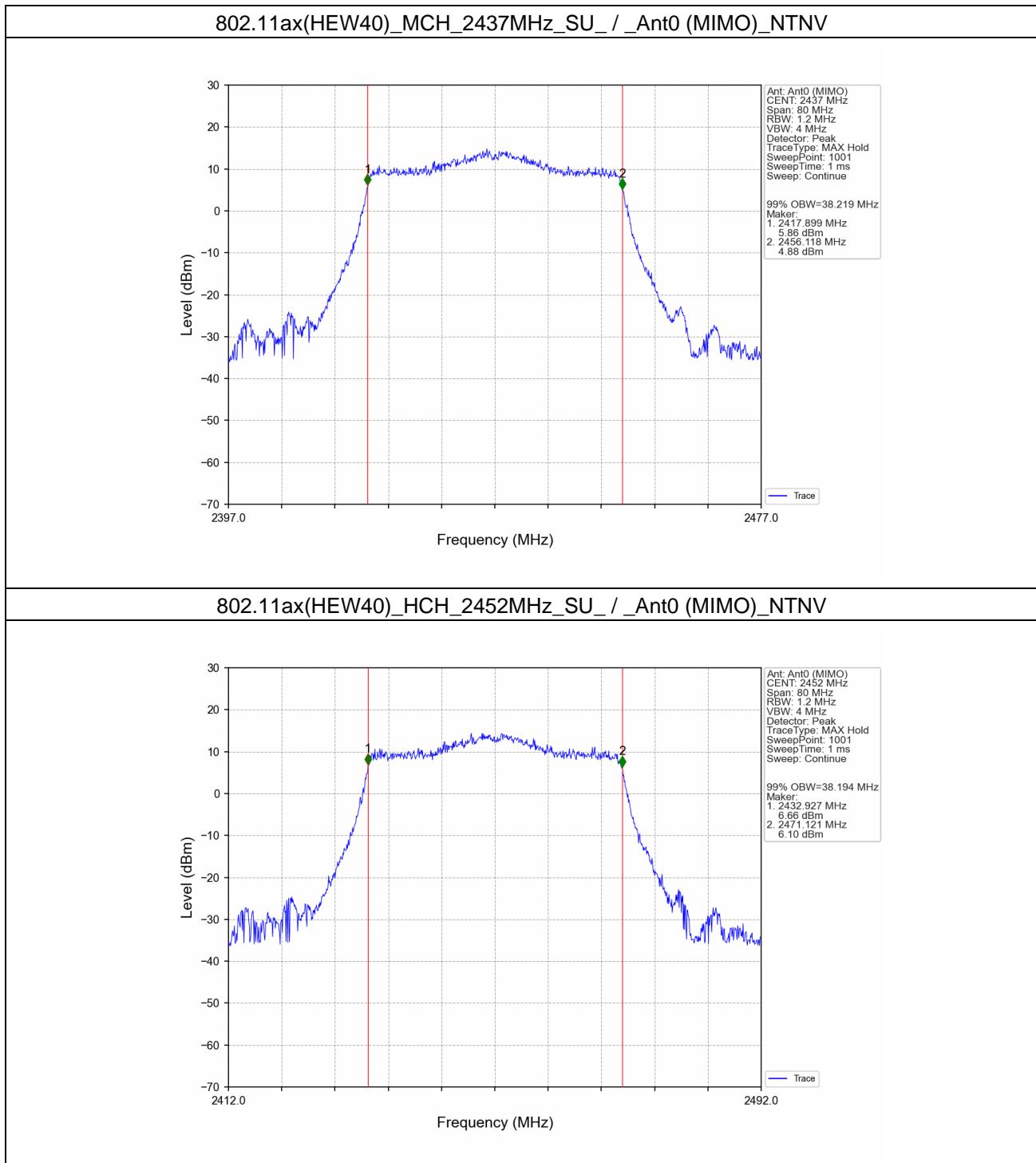
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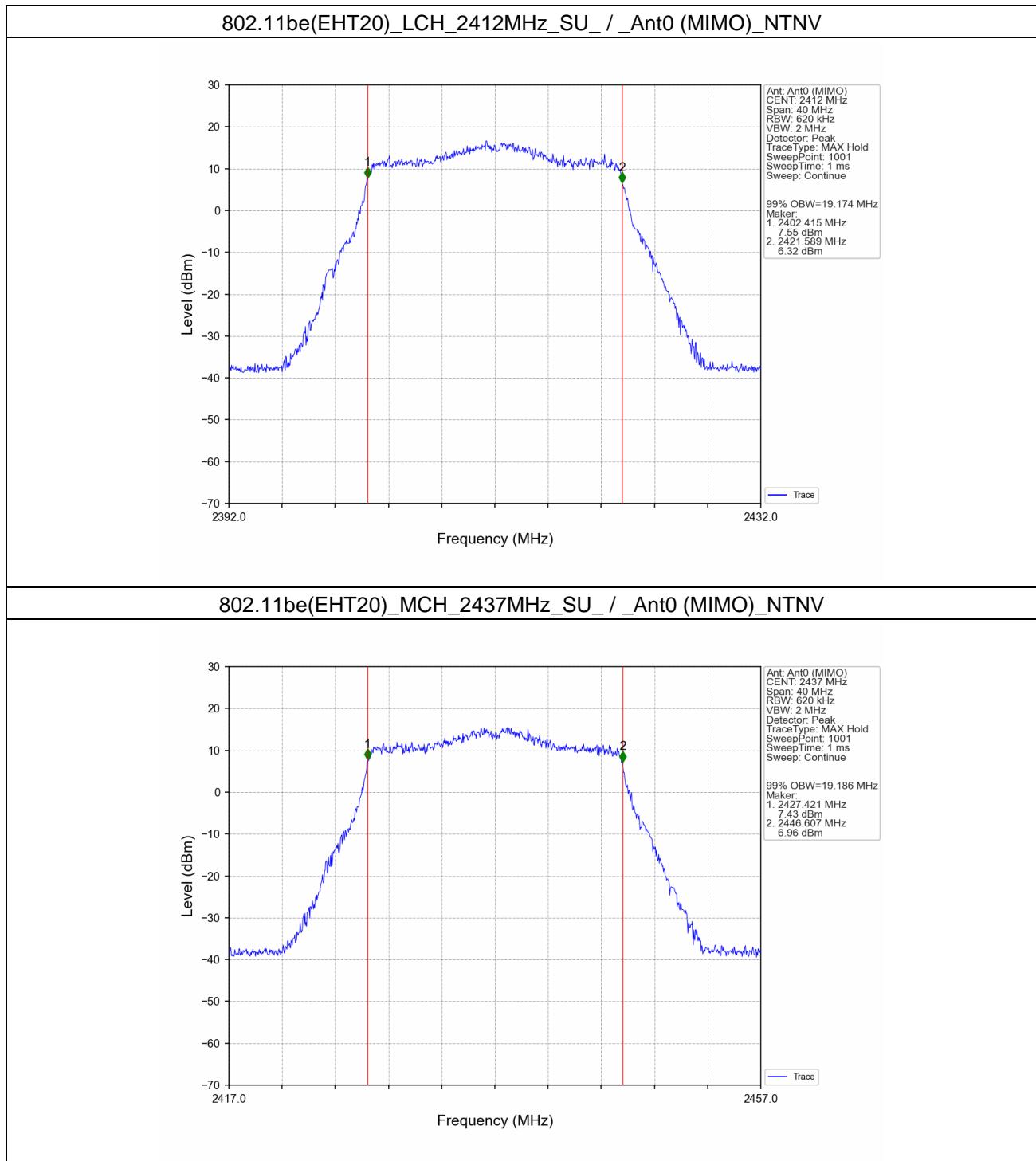




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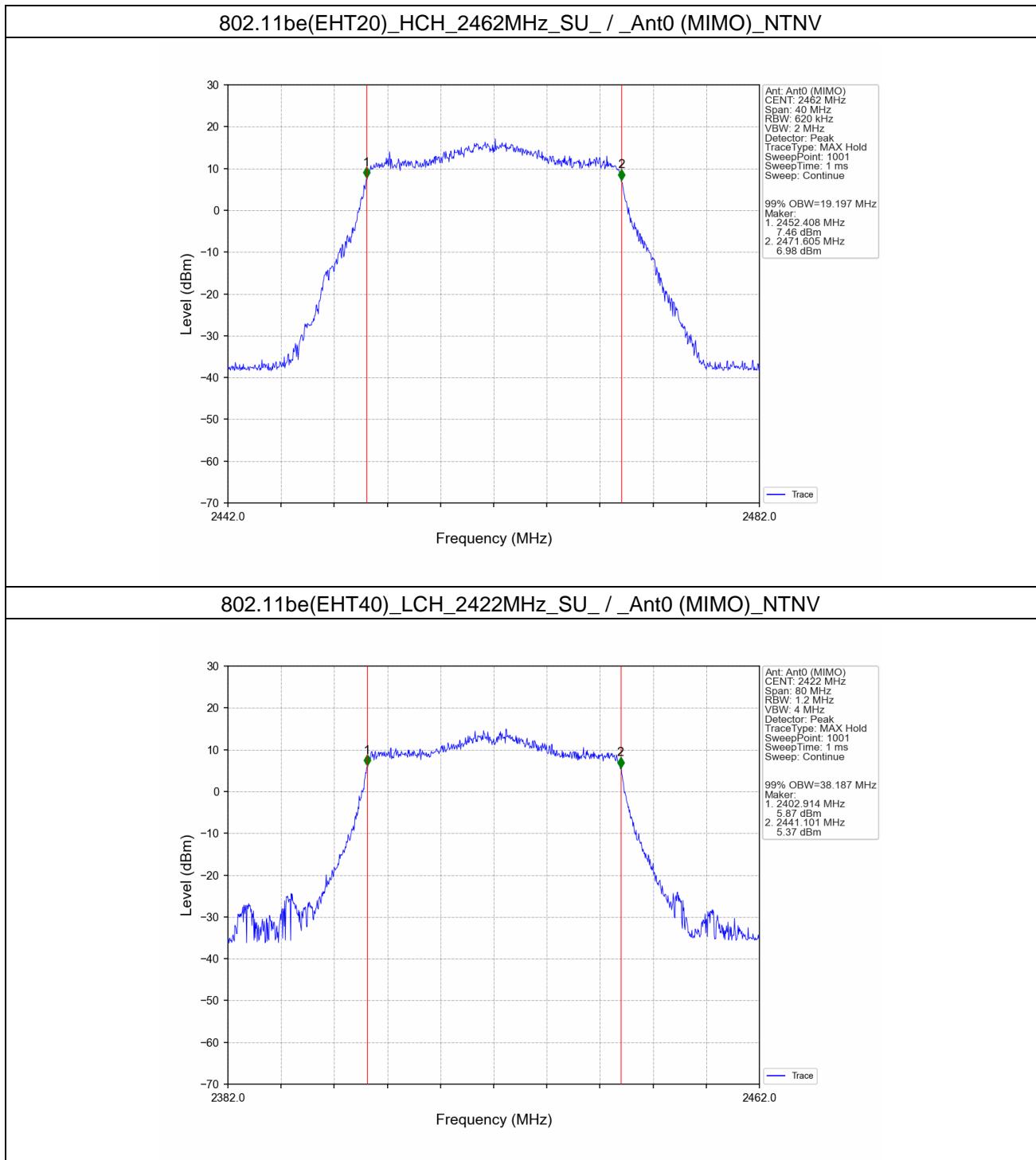


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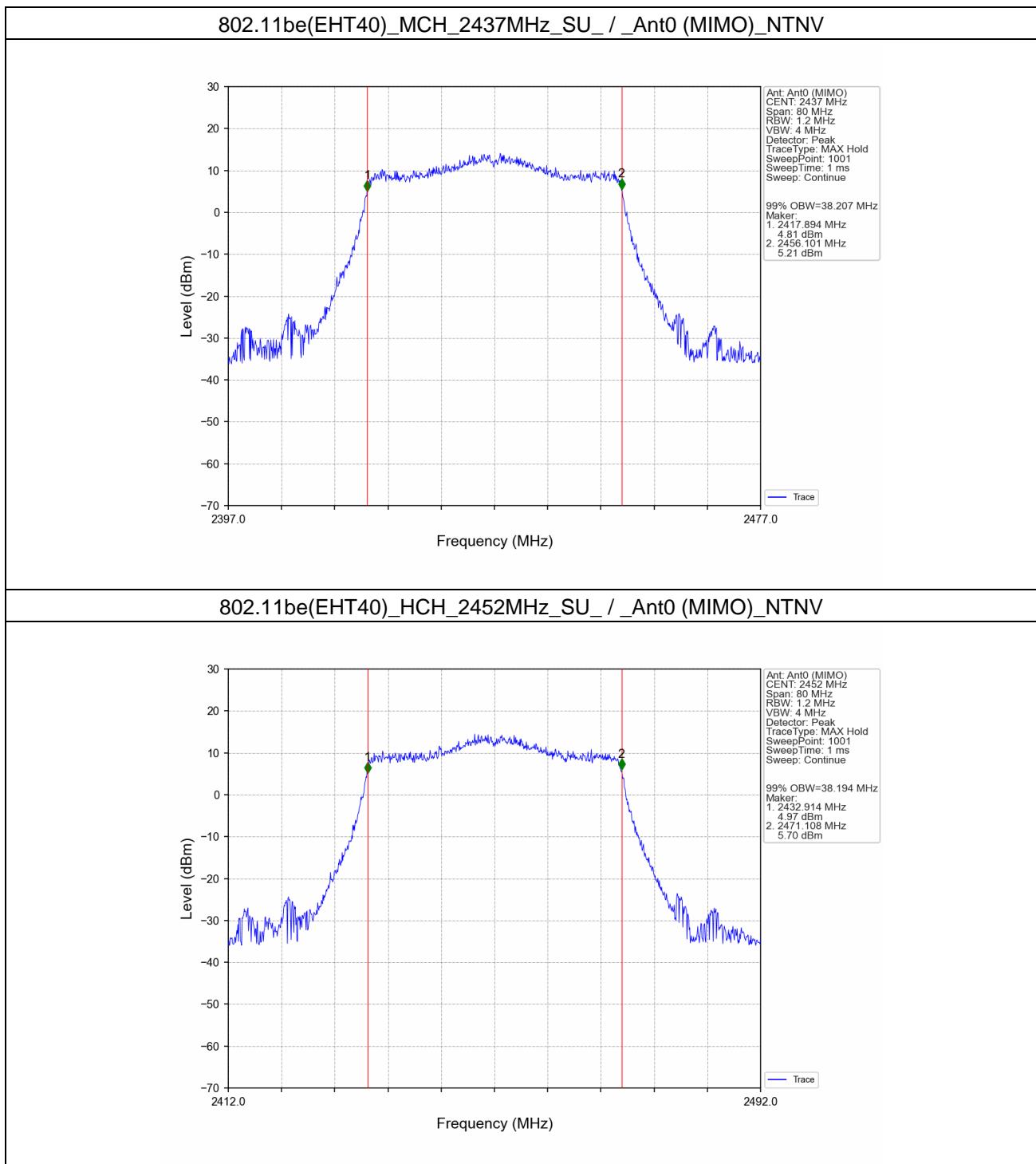


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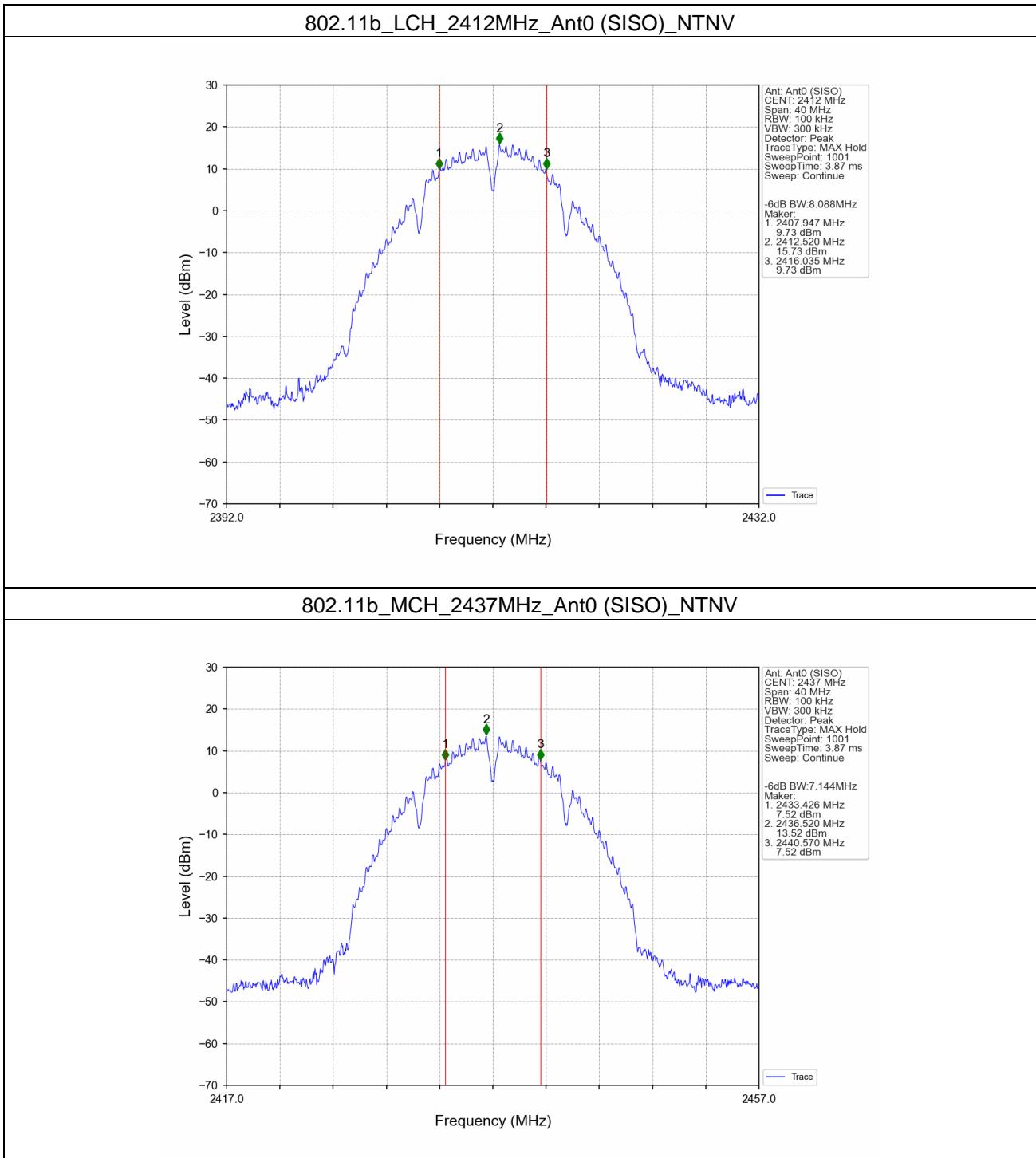
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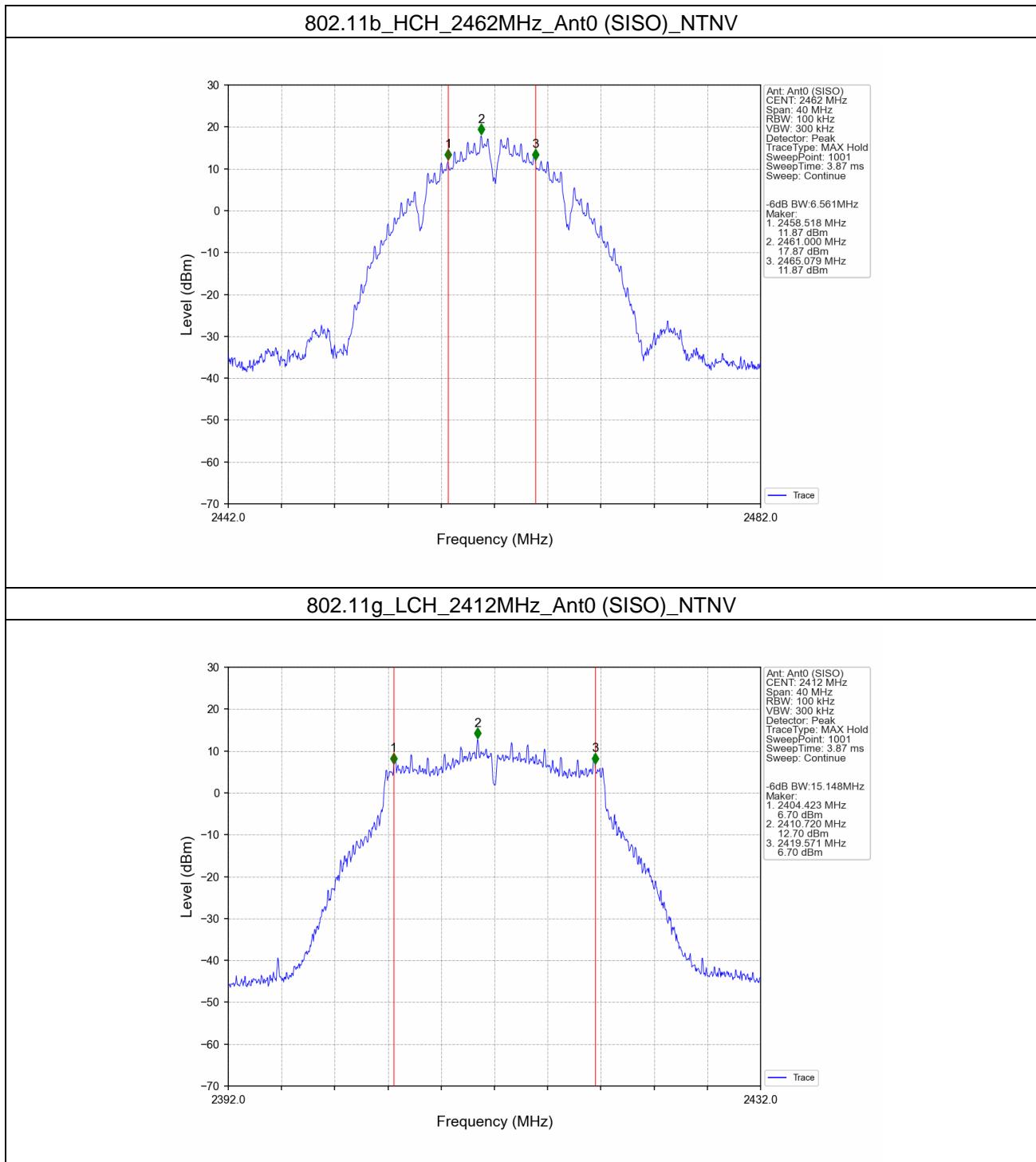
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**2.2.2 6dB BW**

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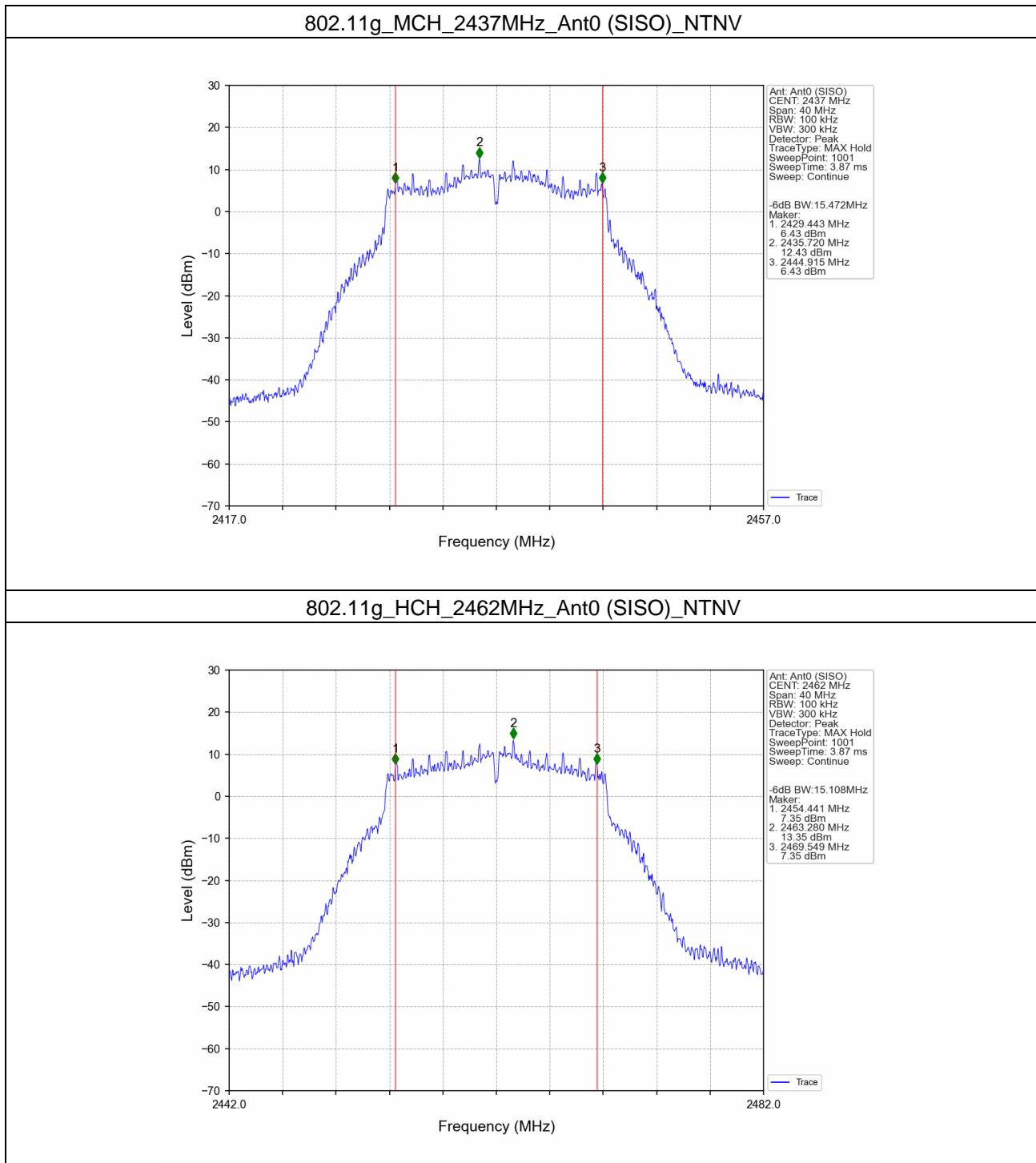


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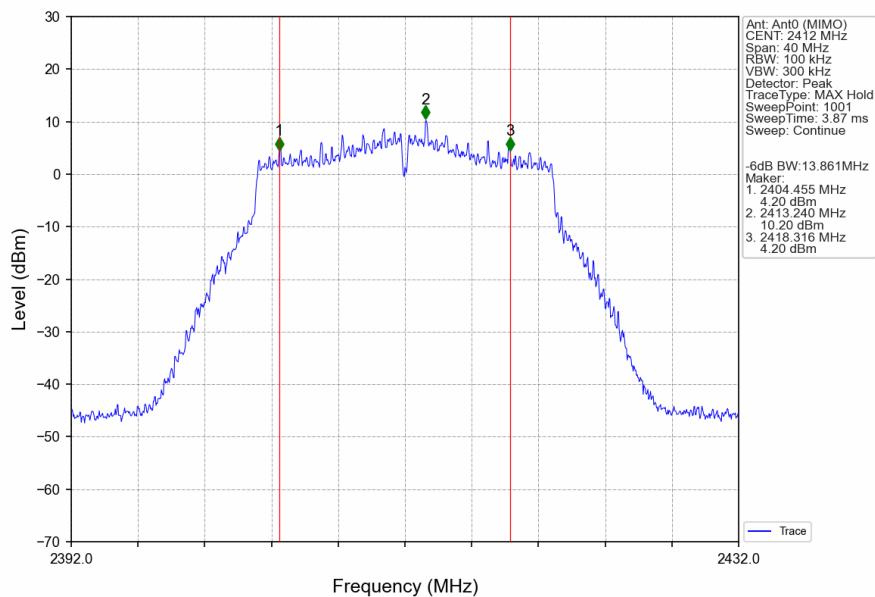
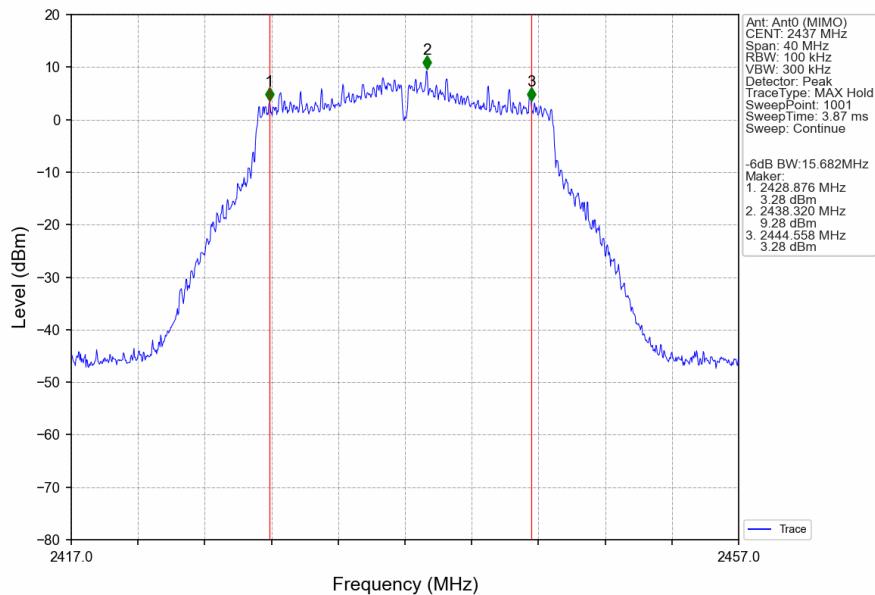
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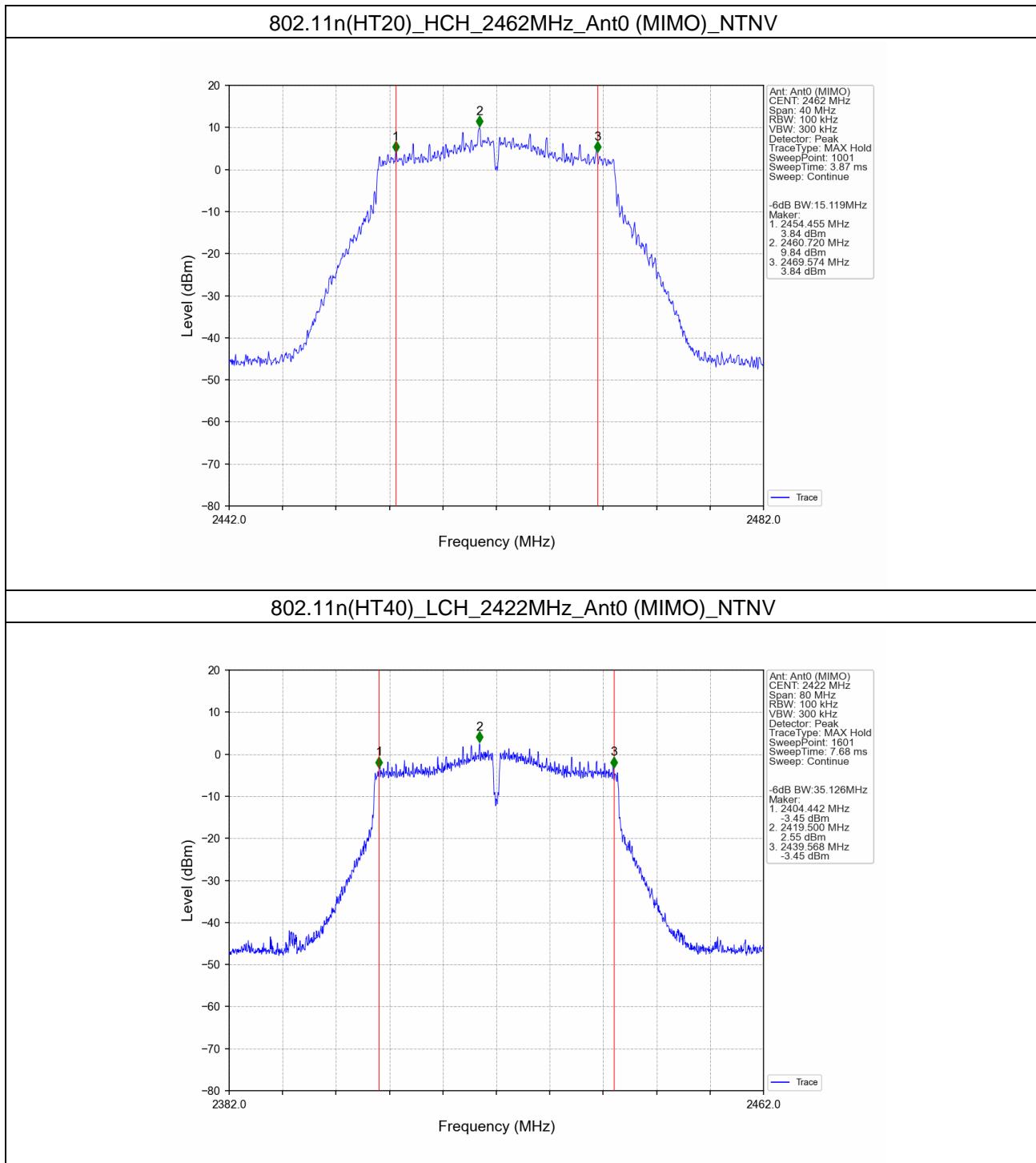
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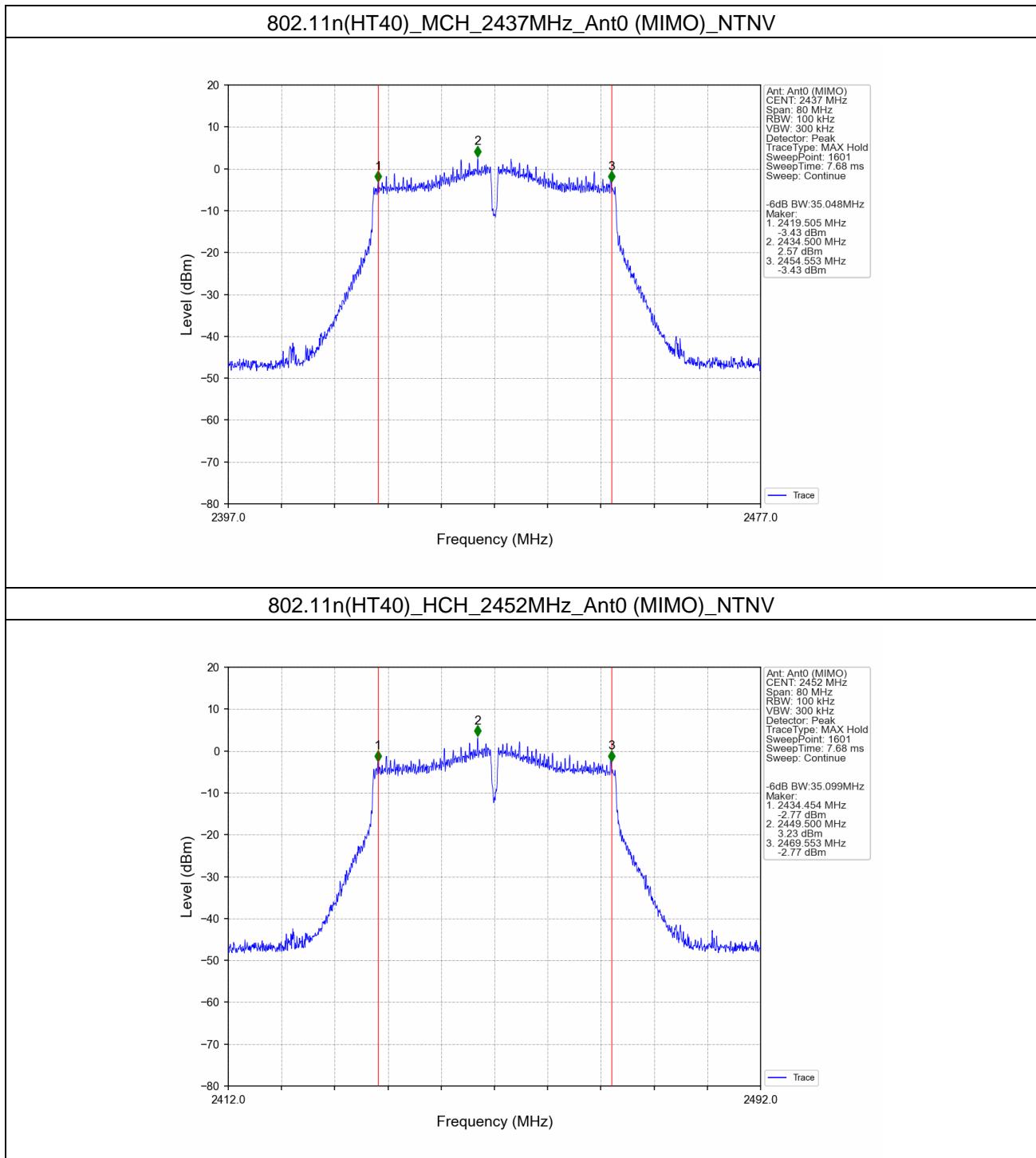
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**802.11n(HT20)\_LCH\_2412MHz\_Ant0 (MIMO)\_NTNV****802.11n(HT20)\_MCH\_2437MHz\_Ant0 (MIMO)\_NTNV**

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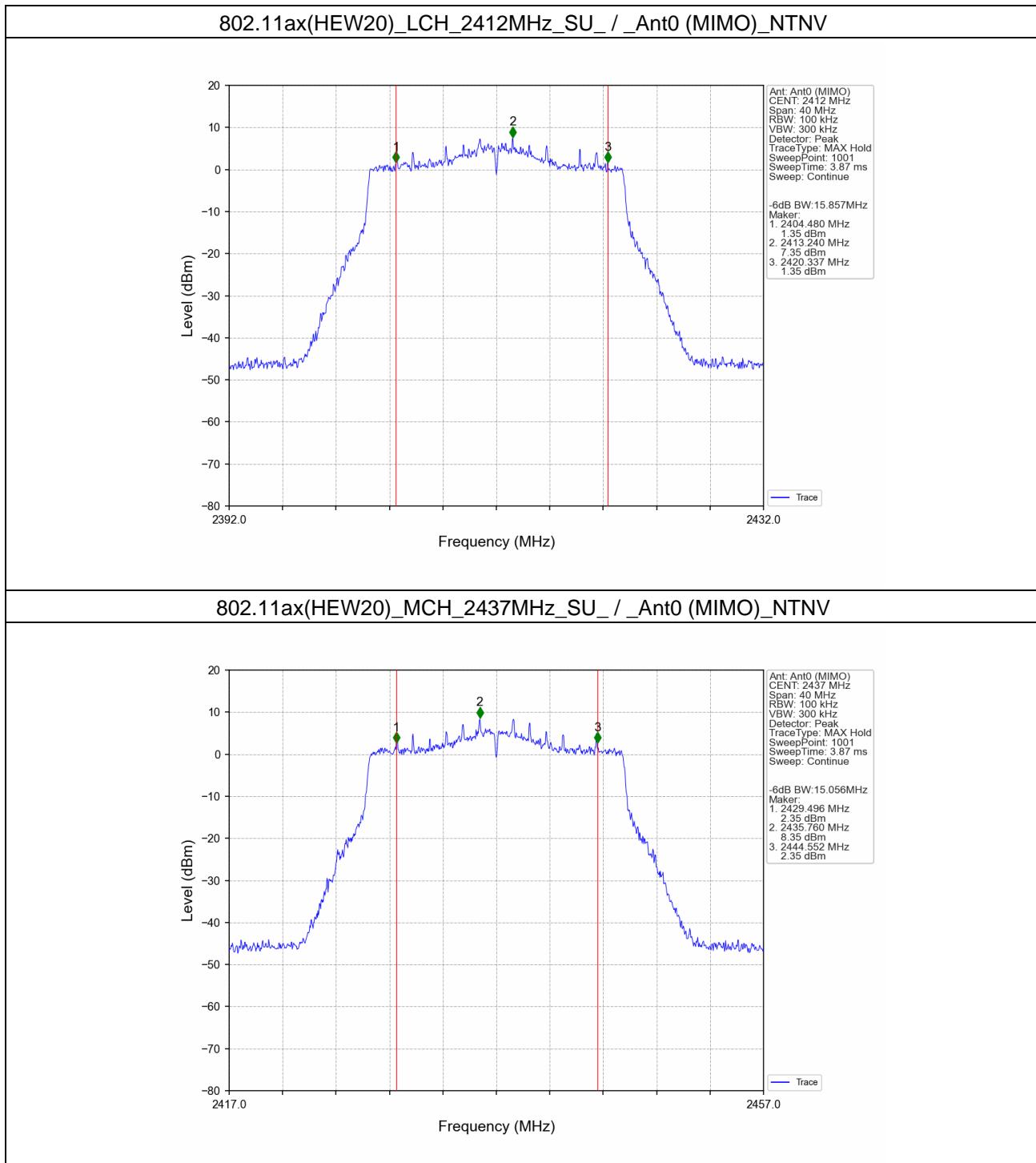




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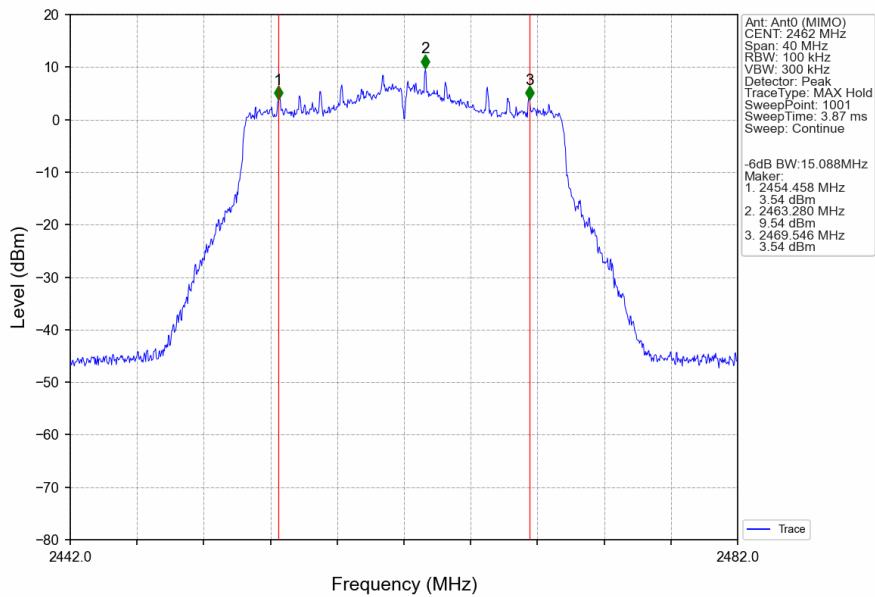
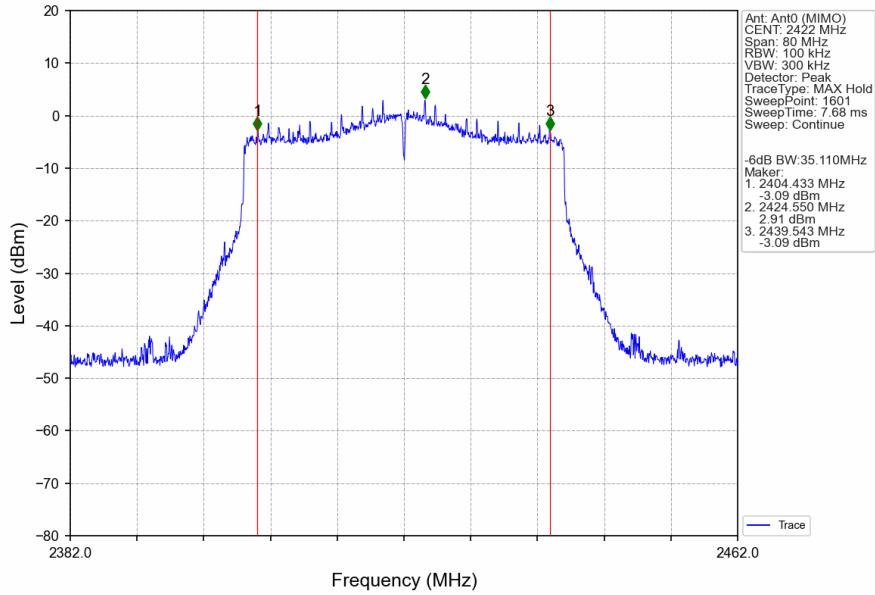


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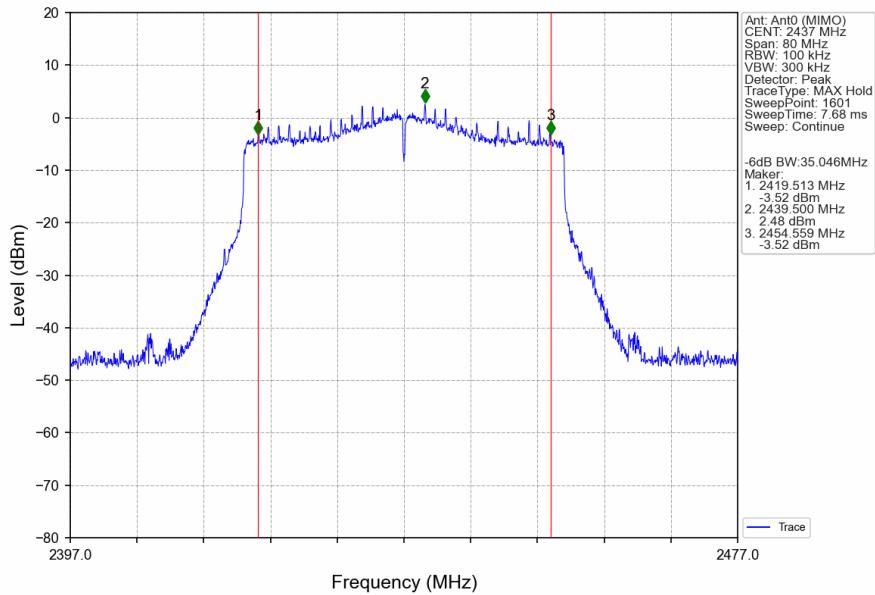
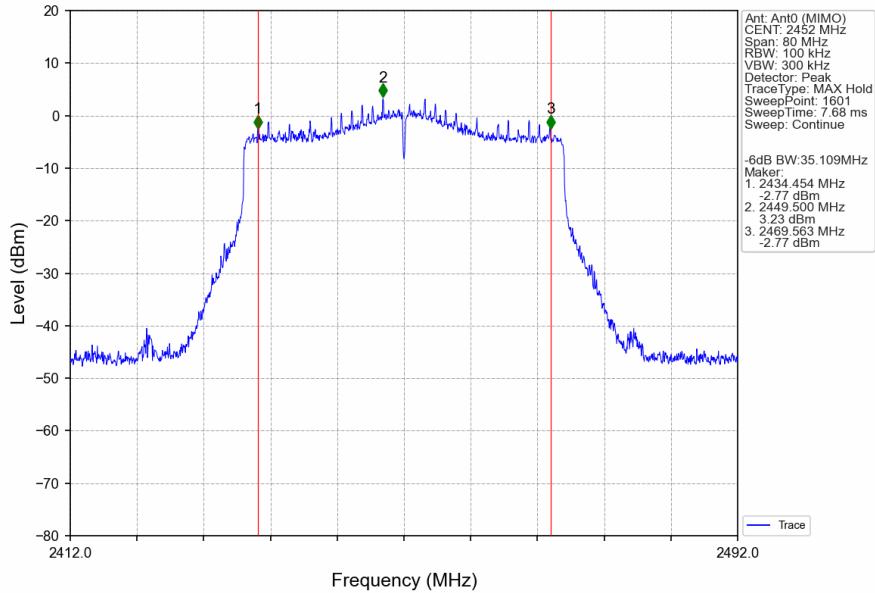
**802.11ax(HEW20)\_HCH\_2462MHz\_SU\_ / \_Ant0 (MIMO)\_NTNV****802.11ax(HEW40)\_LCH\_2422MHz\_SU\_ / \_Ant0 (MIMO)\_NTNV**

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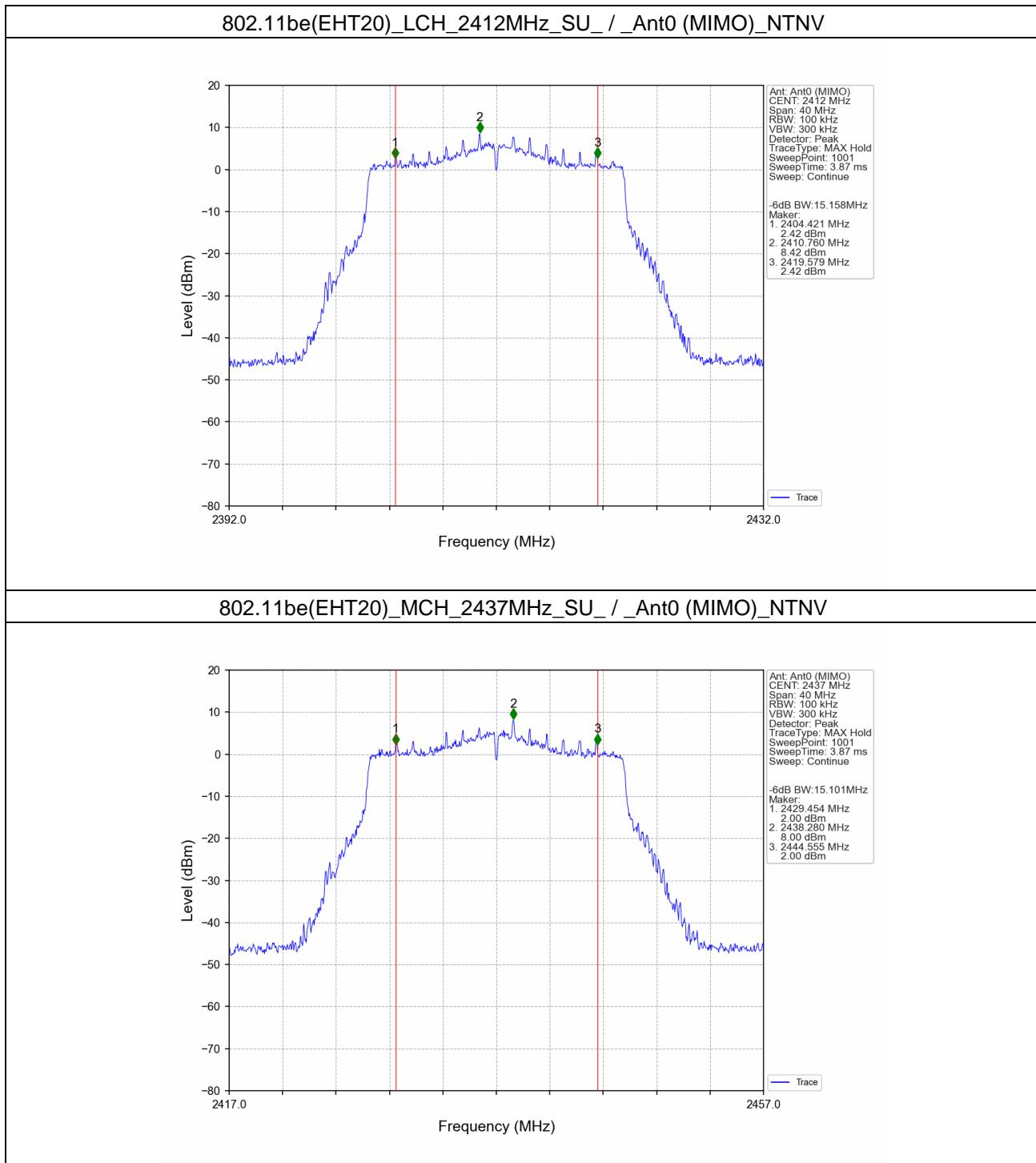
**802.11ax(HEW40)\_MCH\_2437MHz\_SU\_ / \_Ant0 (MIMO)\_NTNV****802.11ax(HEW40)\_HCH\_2452MHz\_SU\_ / \_Ant0 (MIMO)\_NTNV**

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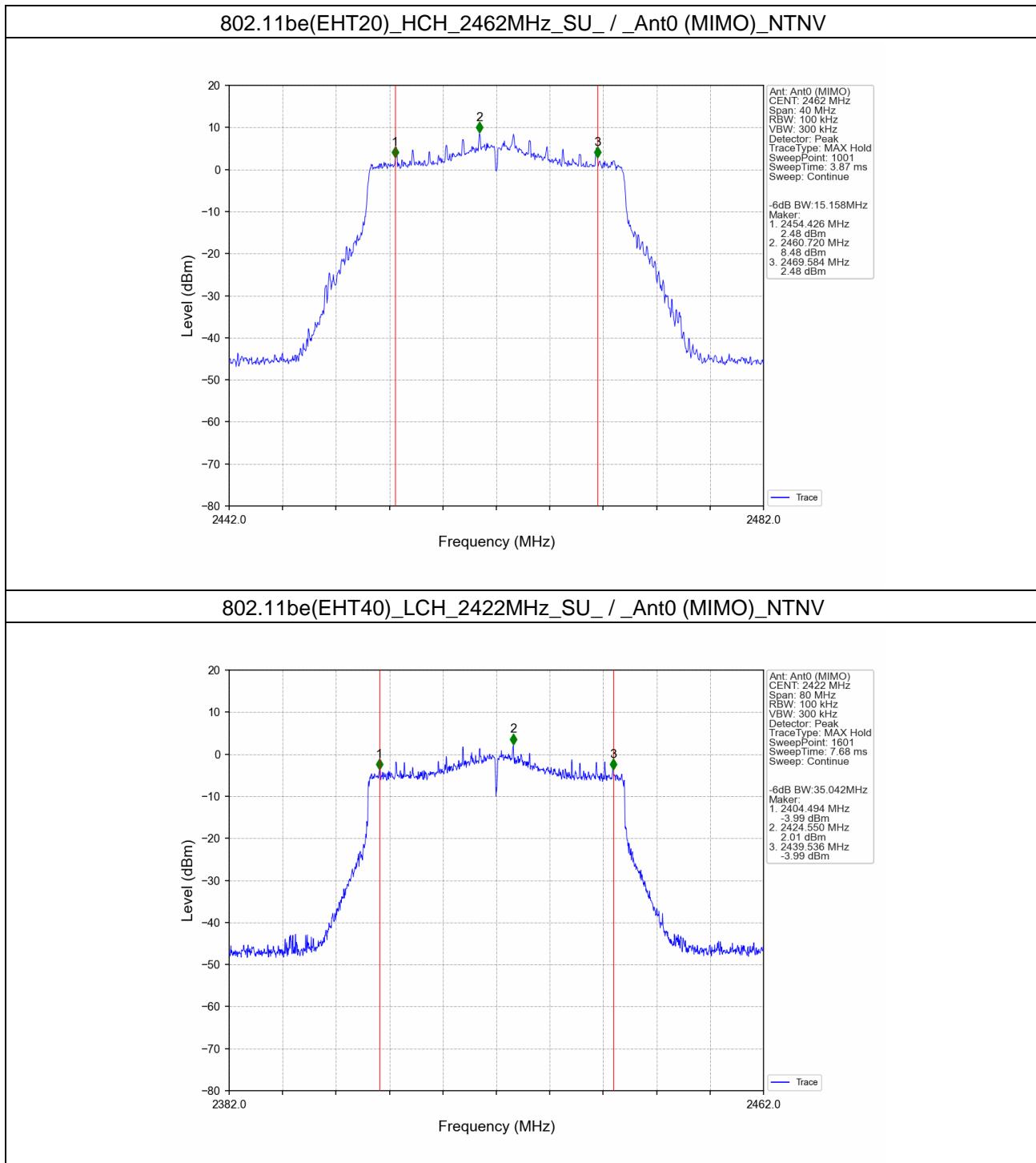
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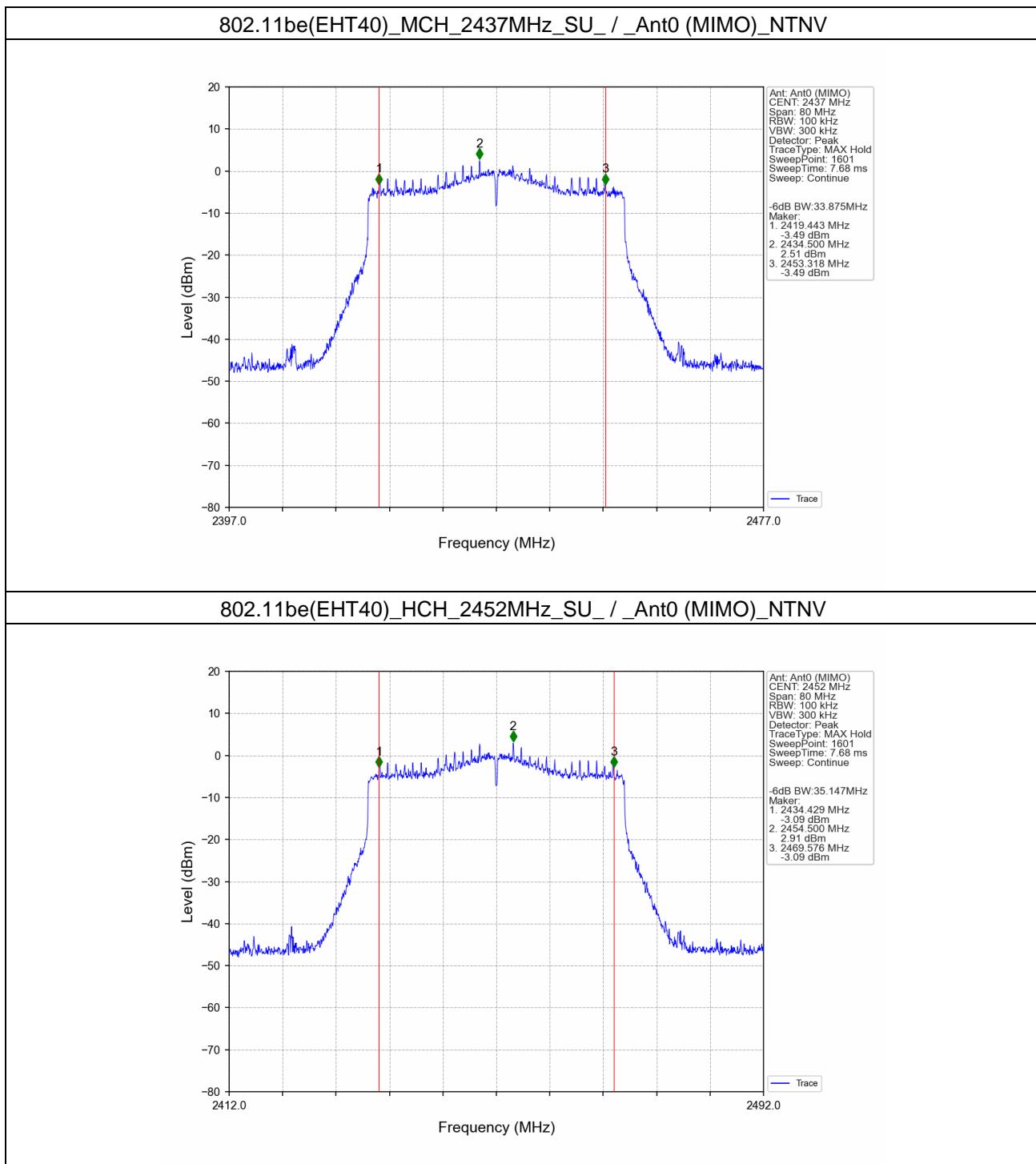
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### 3. Maximum Conducted Output Power

#### 3.1 Test Result

##### 3.1.1 Power

Remark: conducted power for external antenna path

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)				Verdict
					ANT0	ANT1	MIMO	Limit	
802.11b	SISO	2412	/	/	22.23	23.16	/	<=30	Pass
		2437	/	/	22.80	23.26	/	<=30	Pass
		2462	/	/	21.43	23.06	/	<=30	Pass
802.11g	SISO	2412	/	/	21.22	20.57	/	<=30	Pass
		2437	/	/	21.47	21.94	/	<=30	Pass
		2462	/	/	21.77	20.15	/	<=30	Pass
802.11n (HT20)	MIMO	2412	/	/	18.37	17.74	21.08	<=30	Pass
		2437	/	/	21.26	21.64	24.46	<=30	Pass
		2462	/	/	18.90	17.02	21.07	<=30	Pass
802.11n (HT40)	MIMO	2422	/	/	14.82	14.28	17.57	<=30	Pass
		2437	/	/	21.77	22.36	25.09	<=30	Pass
		2452	/	/	15.11	13.61	17.43	<=30	Pass
802.11ax (HEW20)	MIMO	2412	SU	/	17.37	16.78	20.10	<=30	Pass
		2437	SU	/	21.60	21.22	24.42	<=30	Pass
		2462	SU	/	17.99	16.01	20.12	<=30	Pass
802.11ax (HEW40)	MIMO	2422	SU	/	14.92	14.34	17.65	<=30	Pass
		2437	SU	/	22.21	21.85	25.04	<=30	Pass
		2452	SU	/	15.20	13.63	17.50	<=30	Pass
802.11be (EHT20)	MIMO	2412	SU	/	17.41	16.67	20.07	<=30	Pass
		2437	SU	/	21.62	21.29	24.47	<=30	Pass
		2462	SU	/	17.64	15.93	19.88	<=30	Pass
802.11be (EHT40)	MIMO	2422	SU	/	14.54	14.03	17.30	<=30	Pass
		2437	SU	/	22.12	21.71	24.93	<=30	Pass
		2452	SU	/	14.82	13.20	17.10	<=30	Pass

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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250100009503

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Remark: conducted power for internal antenna path

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)				Verdict
					ANT0	ANT1	MIMO	Limit	
802.11b	SISO	2412	/	/	21.49	22.79	/	<=27.63	Pass
		2437	/	/	22.43	22.61	/	<=27.63	Pass
		2462	/	/	21.49	23.05	/	<=27.63	Pass
802.11g	SISO	2412	/	/	18.01	19.31	/	<=27.63	Pass
		2437	/	/	22.05	22.15	/	<=27.63	Pass
		2462	/	/	18.00	19.65	/	<=27.63	Pass
802.11n (HT20)	MIMO	2412	/	/	16.94	17.27	20.12	<=27.63	Pass
		2437	/	/	21.85	21.89	24.88	<=27.63	Pass
		2462	/	/	16.97	17.47	20.24	<=27.63	Pass
802.11n (HT40)	MIMO	2422	/	/	15.72	15.88	18.81	<=27.63	Pass
		2437	/	/	22.34	22.76	25.57	<=27.63	Pass
		2452	/	/	15.54	16.01	18.79	<=27.63	Pass
802.11ax (HEW20)	MIMO	2412	SU	/	17.07	17.28	20.19	<=27.63	Pass
		2437	SU	/	21.79	21.91	24.86	<=27.63	Pass
		2462	SU	/	16.97	17.58	20.30	<=27.63	Pass
802.11ax (HEW40)	MIMO	2422	SU	/	14.67	14.91	17.80	<=27.63	Pass
		2437	SU	/	22.29	22.83	25.58	<=27.63	Pass
		2452	SU	/	14.54	14.92	17.74	<=27.63	Pass
802.11be (EHT20)	MIMO	2412	SU	/	17.04	17.24	20.15	<=27.63	Pass
		2437	SU	/	21.69	22.34	25.04	<=27.63	Pass
		2462	SU	/	16.93	17.55	20.26	<=27.63	Pass
802.11be (EHT40)	MIMO	2422	SU	/	14.43	14.69	17.57	<=27.63	Pass
		2437	SU	/	22.27	22.67	25.48	<=27.63	Pass
		2452	SU	/	14.41	14.79	17.61	<=27.63	Pass

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## 4. Maximum Power Spectral Density

### 4.1 Test Result

#### 4.1.1 PSD

Remark: PSD for external antenna path

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/3kHz)				Verdict
					ANT0	ANT1	MIMO	Limit	
802.11b	SISO	2412	/	/	-1.42	-0.32	/	<=8	Pass
		2437	/	/	-2.30	-0.75	/	<=8	Pass
		2462	/	/	-1.83	0.43	/	<=8	Pass
802.11g	SISO	2412	/	/	0.04	-1.57	/	<=8	Pass
		2437	/	/	-4.50	-2.68	/	<=8	Pass
		2462	/	/	0.03	-3.53	/	<=8	Pass
802.11n (HT20)	MIMO	2412	/	/	-3.62	-4.92	-2.25	<=8	Pass
		2437	/	/	-3.07	-3.36	-1.36	<=8	Pass
		2462	/	/	-3.89	-5.68	-2.57	<=8	Pass
802.11n (HT40)	MIMO	2422	/	/	-10.06	-11.59	-8.84	<=8	Pass
		2437	/	/	-5.44	-5.42	-3.00	<=8	Pass
		2452	/	/	-10.85	-11.88	-9.66	<=8	Pass
802.11ax (HEW20)	MIMO	2412	SU	/	-6.56	-5.59	-4.59	<=8	Pass
		2437	SU	/	-4.32	-3.39	-1.60	<=8	Pass
		2462	SU	/	-6.24	-7.33	-4.90	<=8	Pass
802.11ax (HEW40)	MIMO	2422	SU	/	-11.23	-11.44	-9.31	<=8	Pass
		2437	SU	/	-4.73	-4.97	-3.35	<=8	Pass
		2452	SU	/	-9.92	-12.59	-8.52	<=8	Pass
802.11be (EHT20)	MIMO	2412	SU	/	-4.76	-6.13	-4.15	<=8	Pass
		2437	SU	/	-3.43	-2.51	-0.64	<=8	Pass
		2462	SU	/	-5.95	-6.86	-4.05	<=8	Pass
802.11be (EHT40)	MIMO	2422	SU	/	-11.98	-12.38	-9.61	<=8	Pass
		2437	SU	/	-5.08	-4.23	-3.49	<=8	Pass
		2452	SU	/	-11.69	-12.35	-9.82	<=8	Pass

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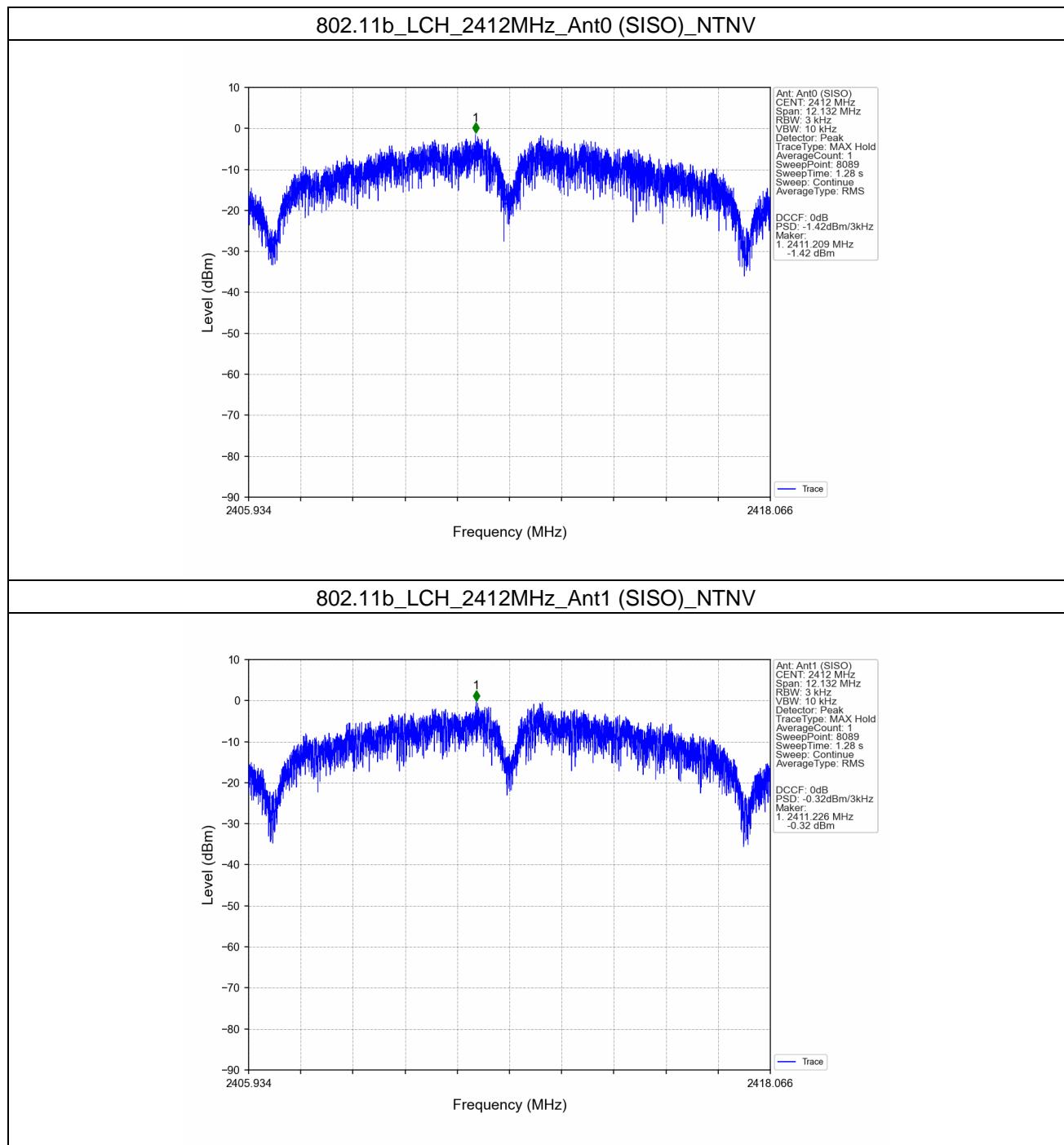
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## 4.2 Test Graph

### 4.2.1 PSD



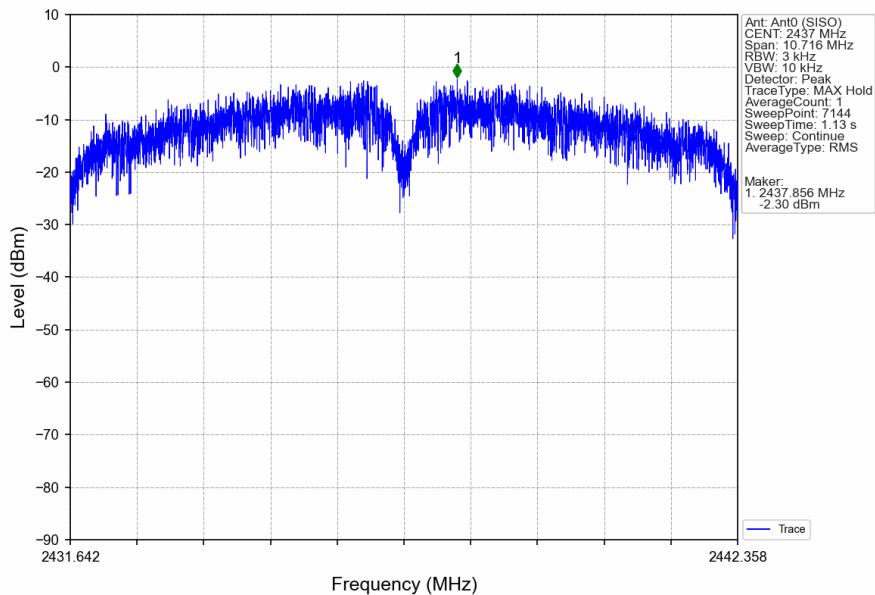
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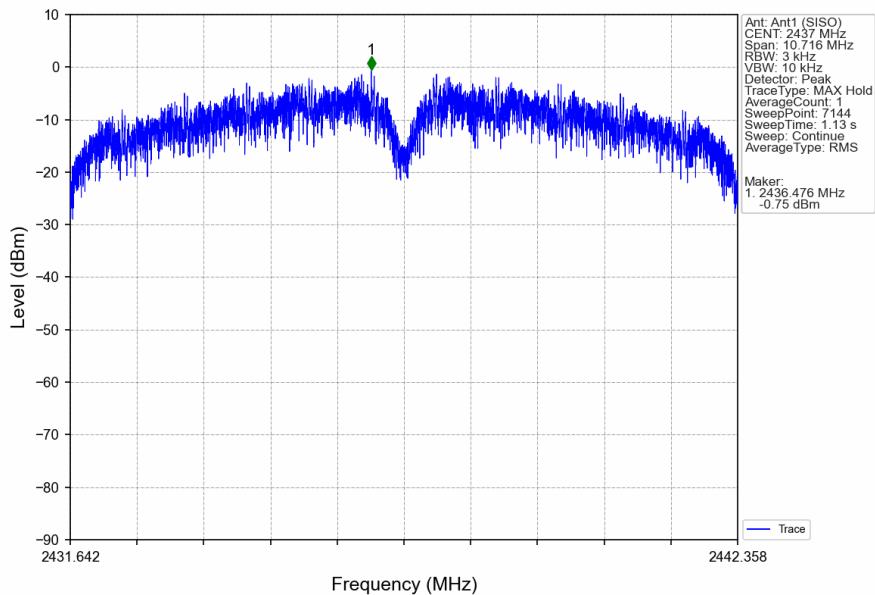


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### 802.11b\_MCH\_2437MHz\_Ant0 (SISO)\_NTNV

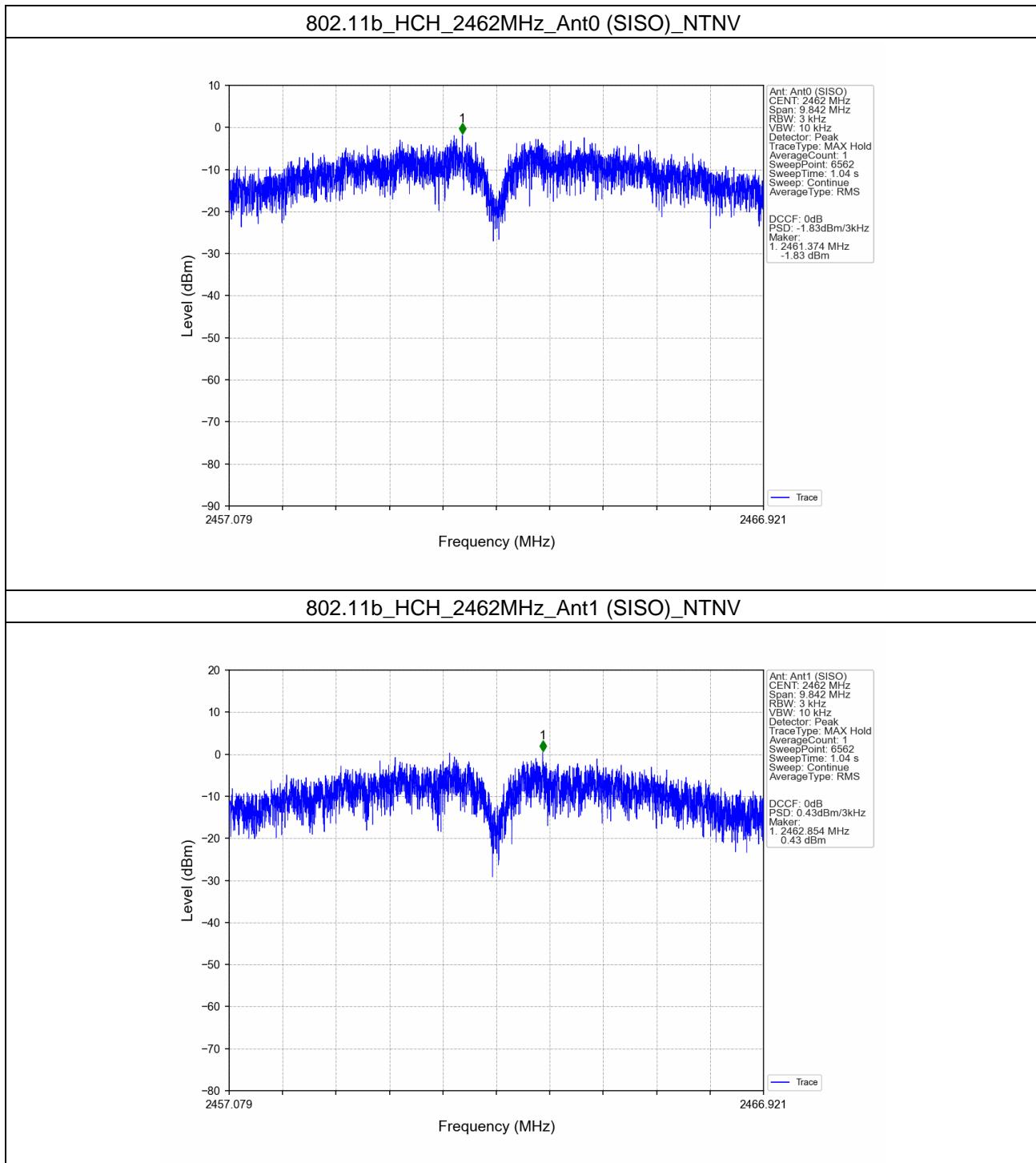


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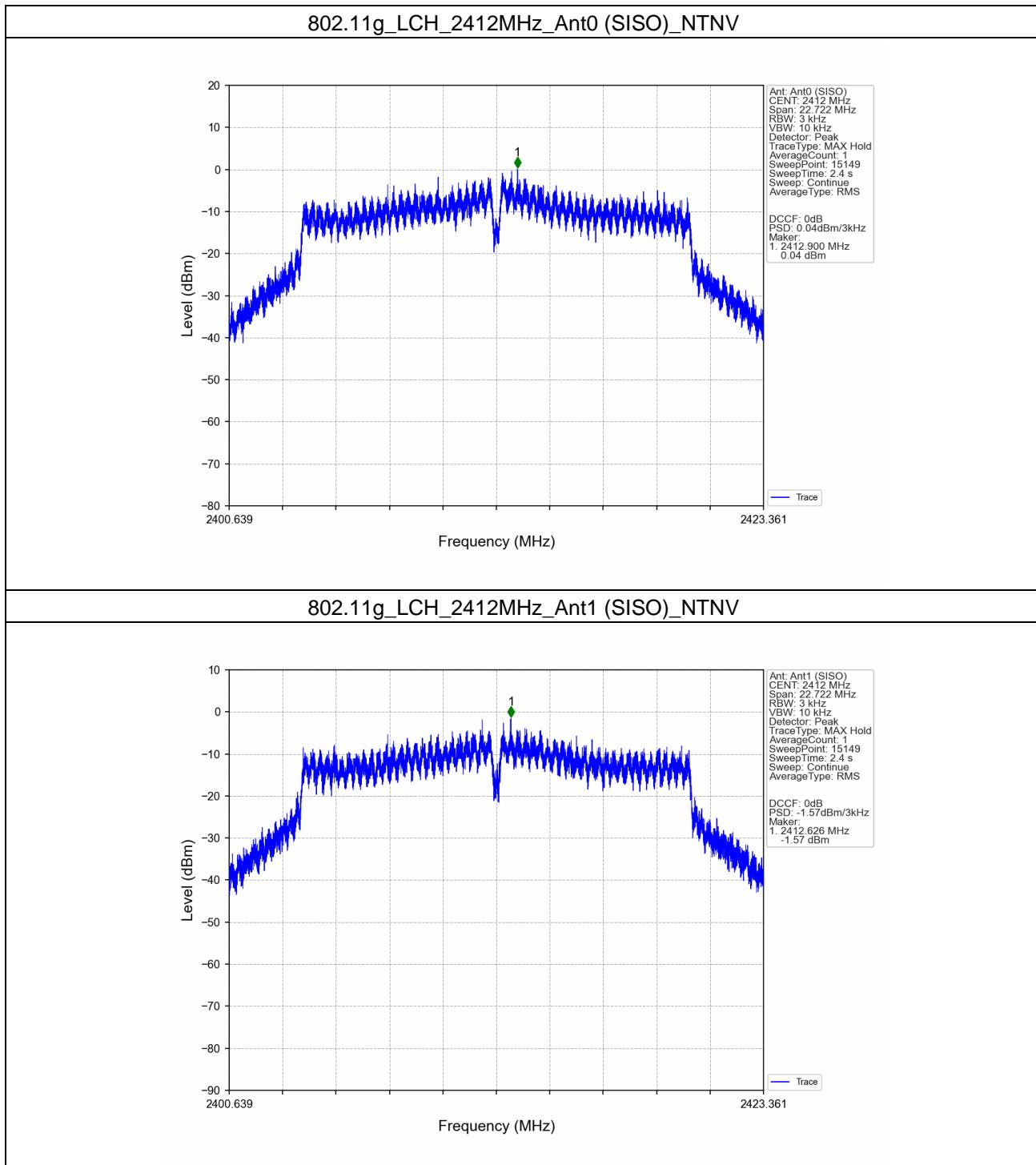
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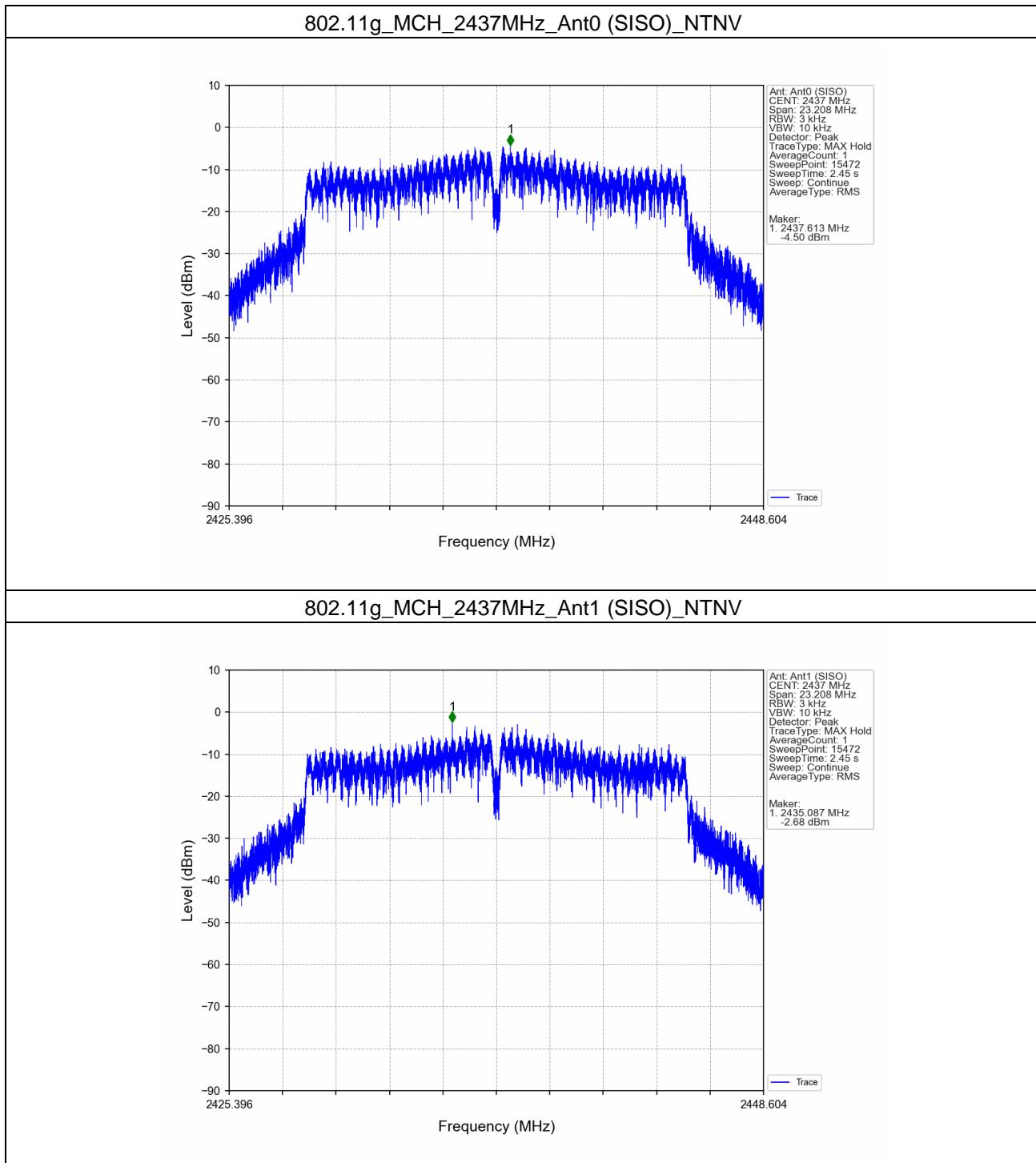
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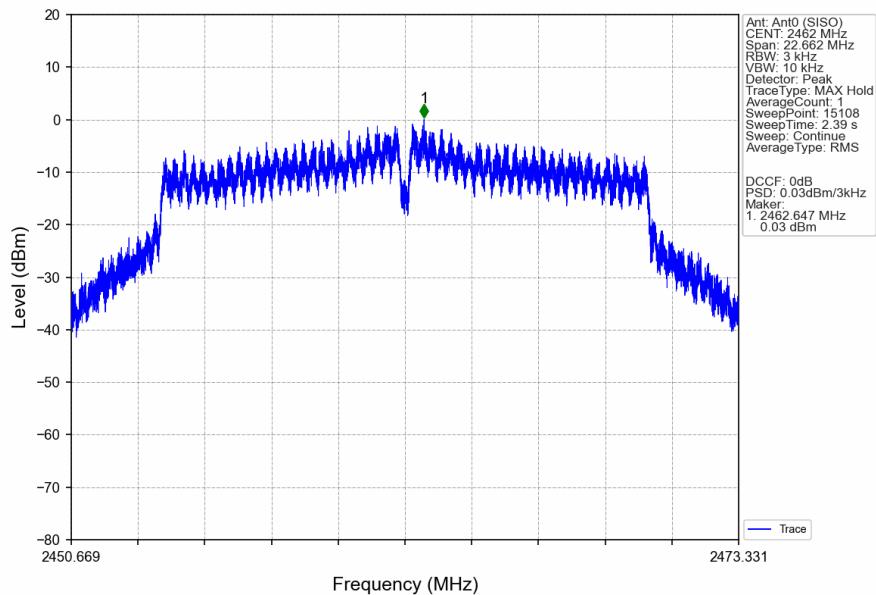
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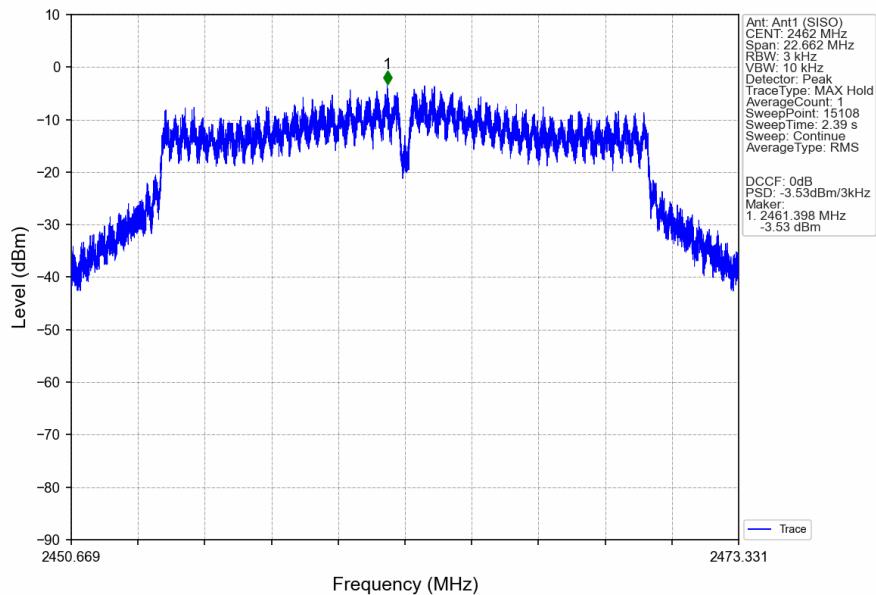


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### 802.11g\_HCH\_2462MHz\_Ant0 (SISO)\_NTNV



### 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

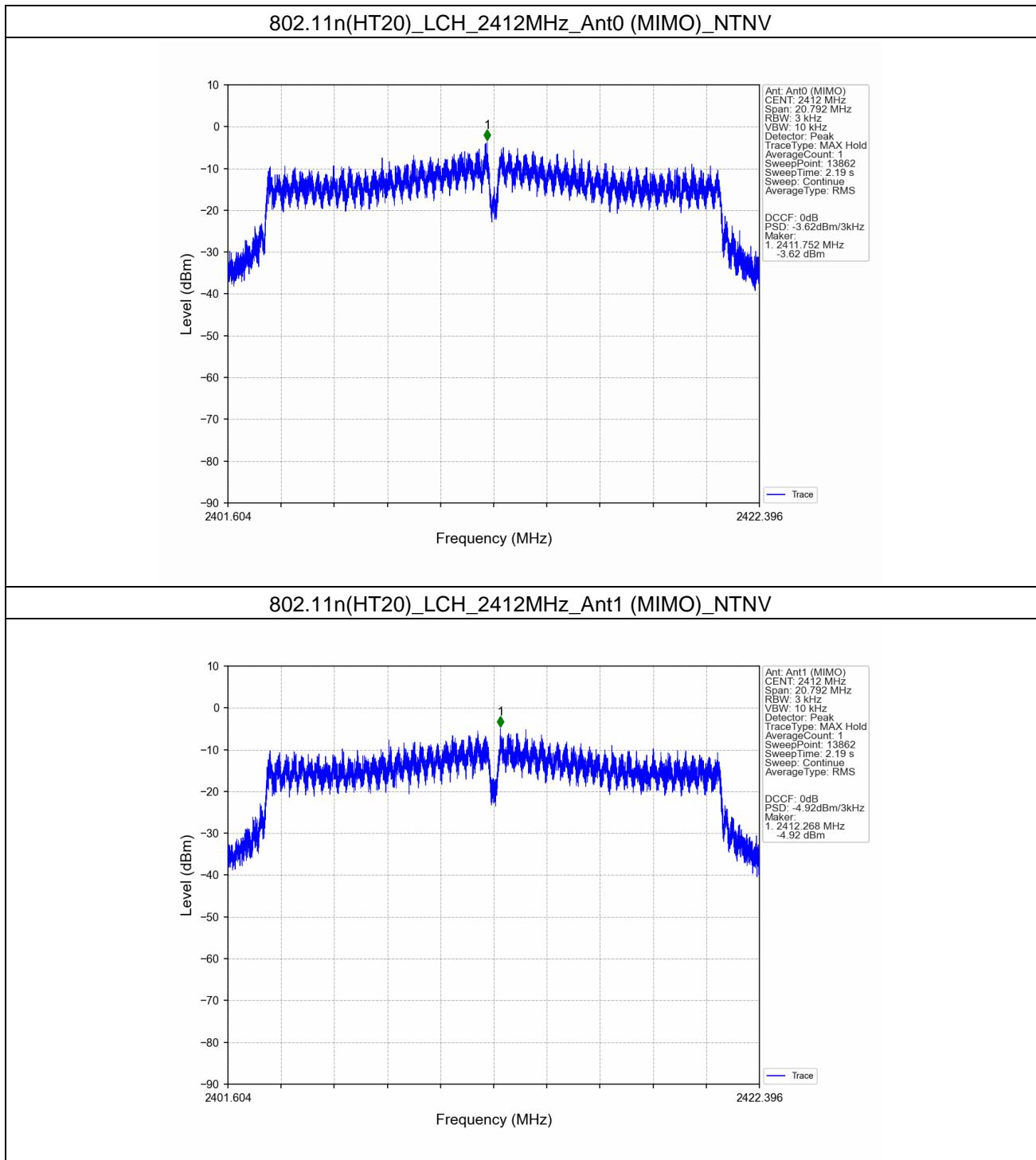


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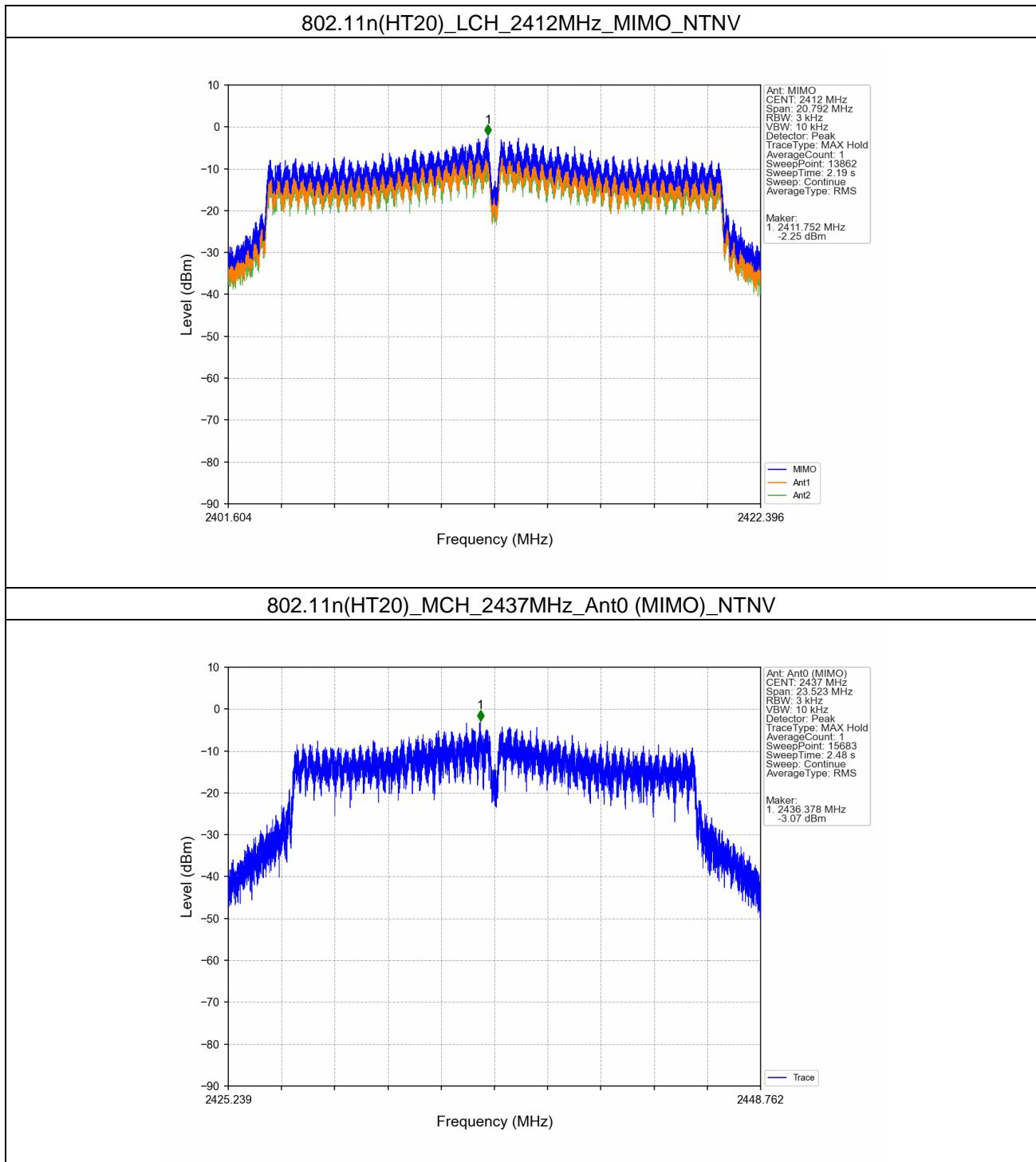
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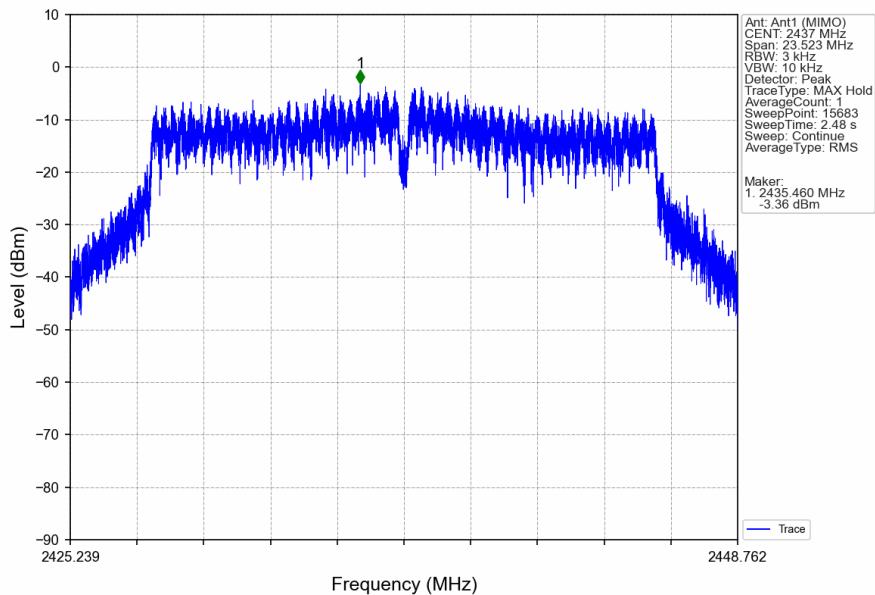
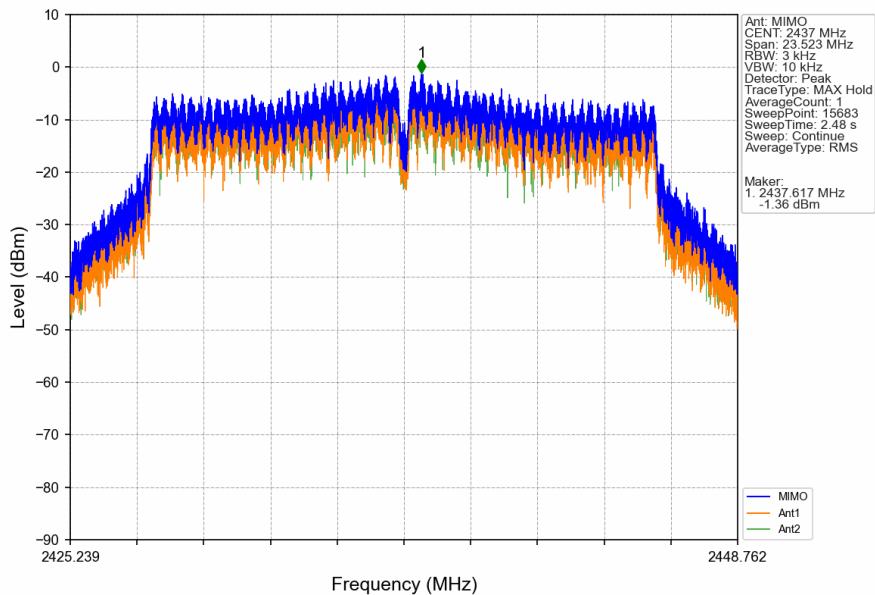


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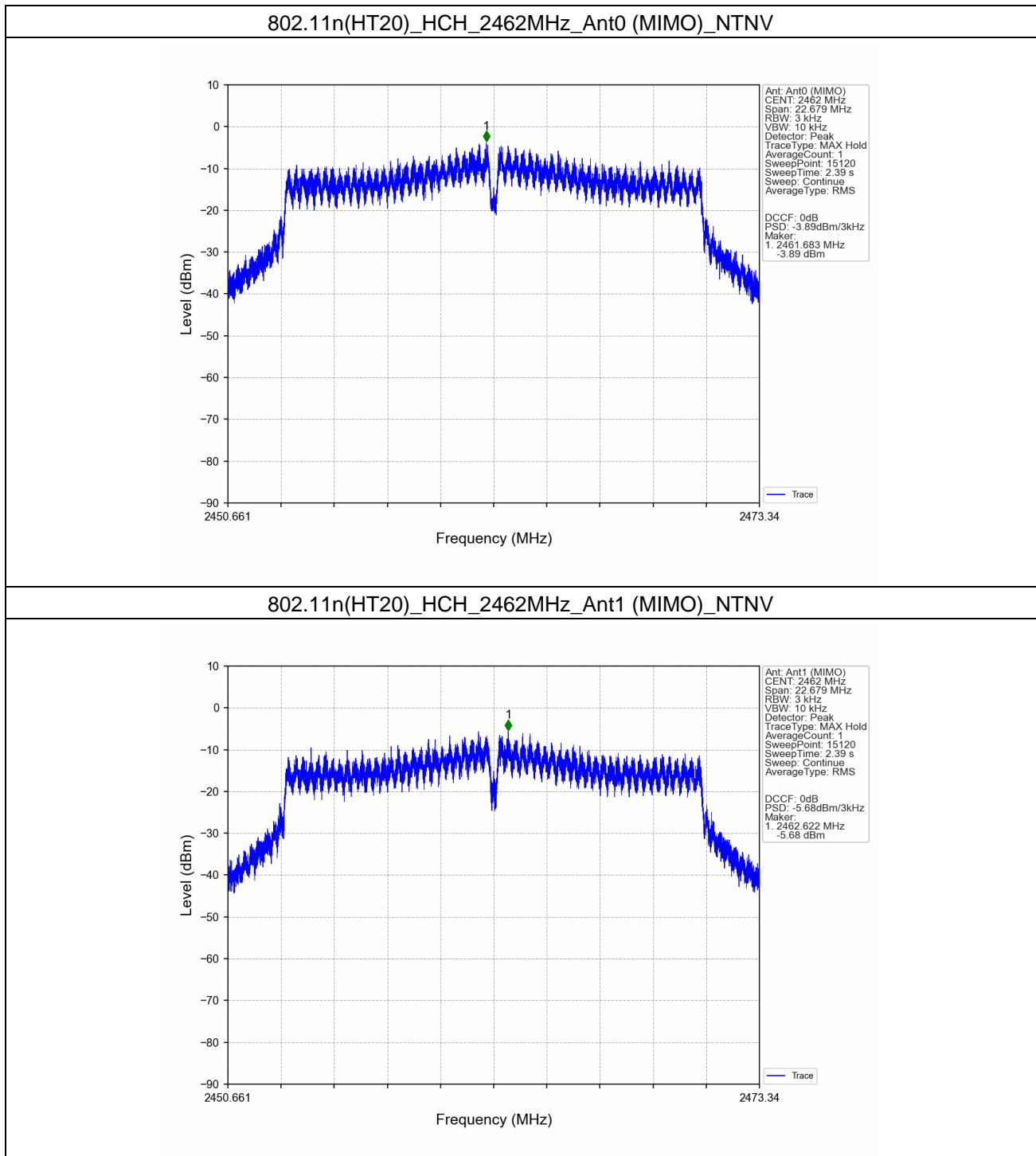
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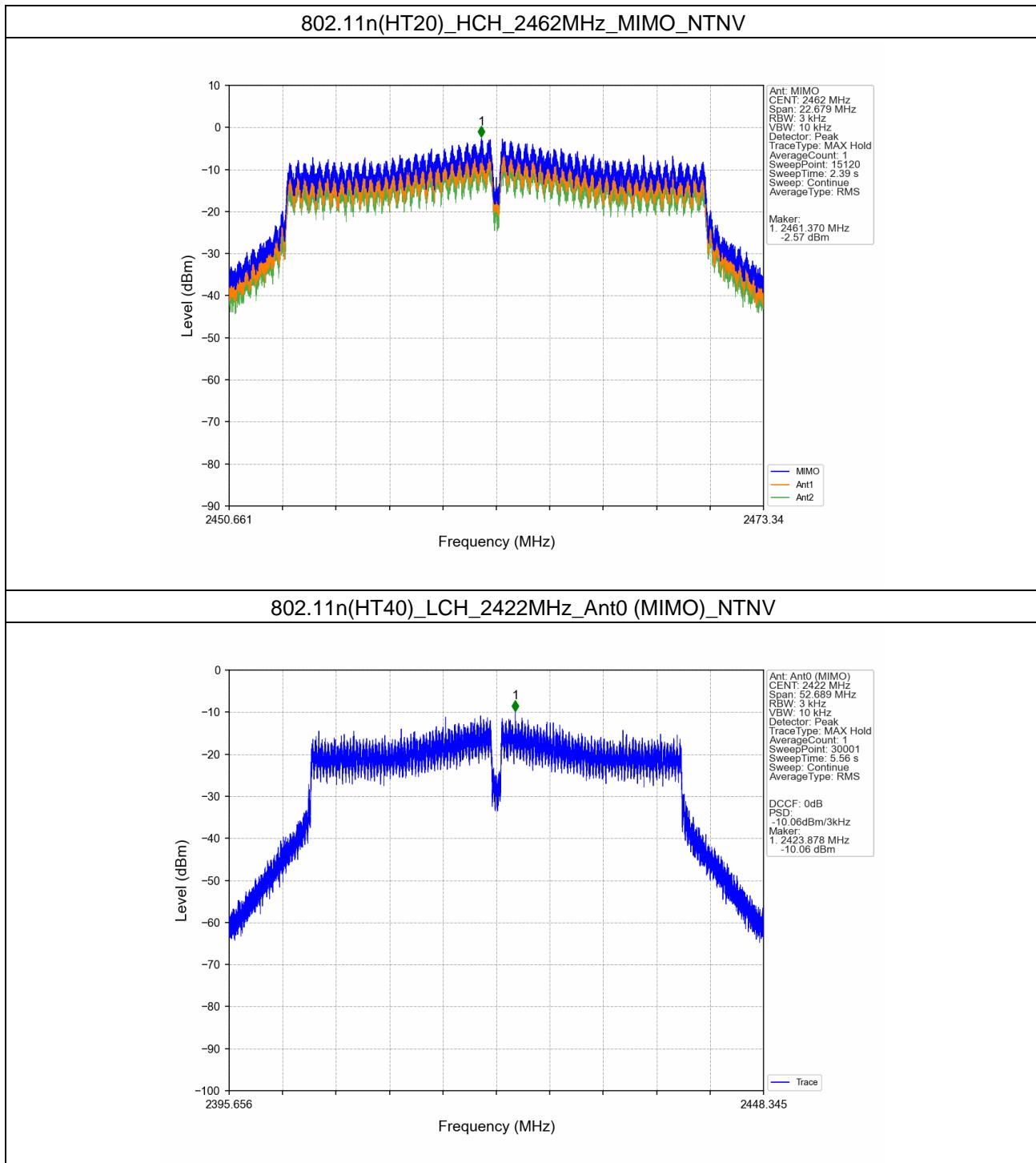


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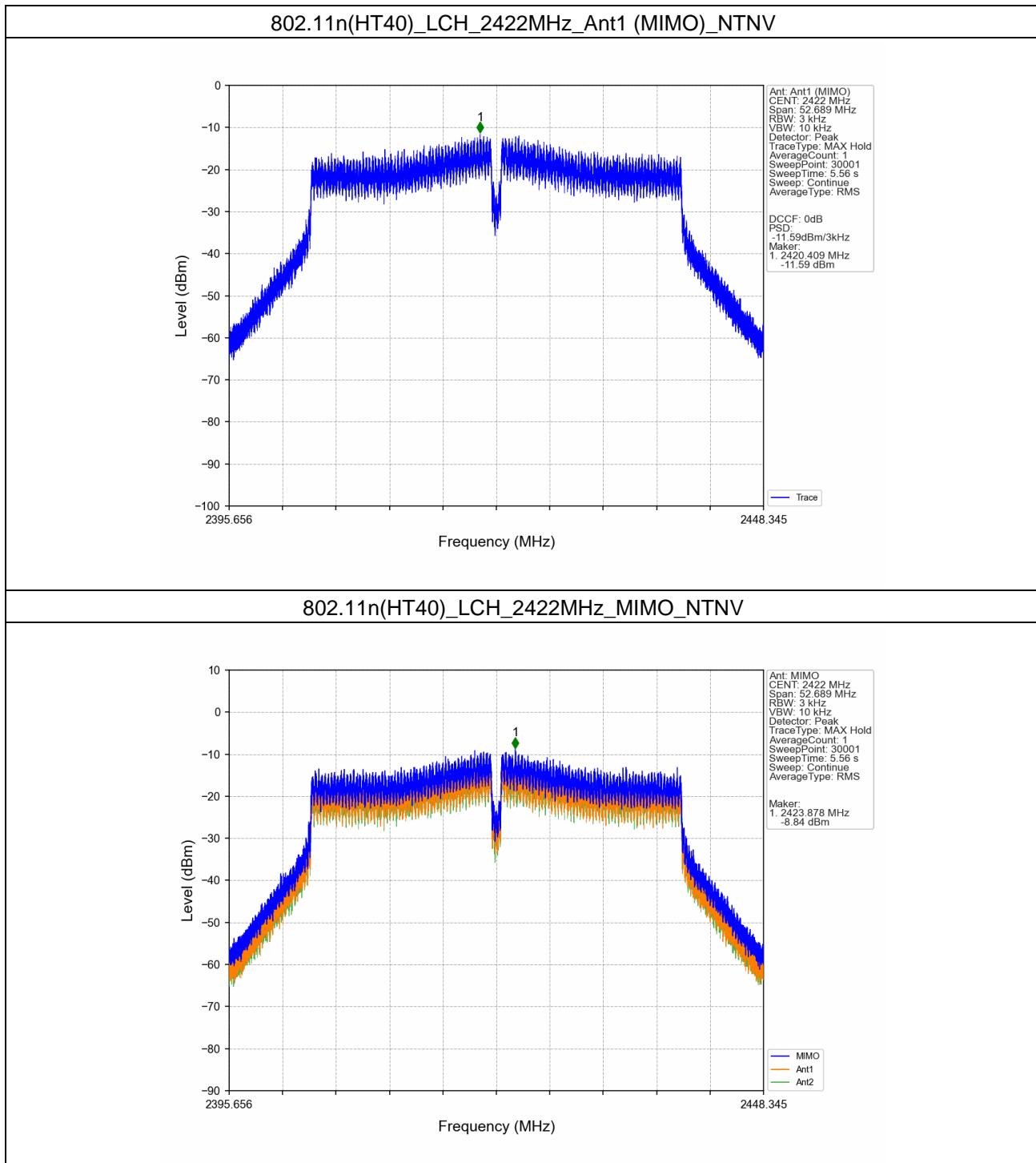


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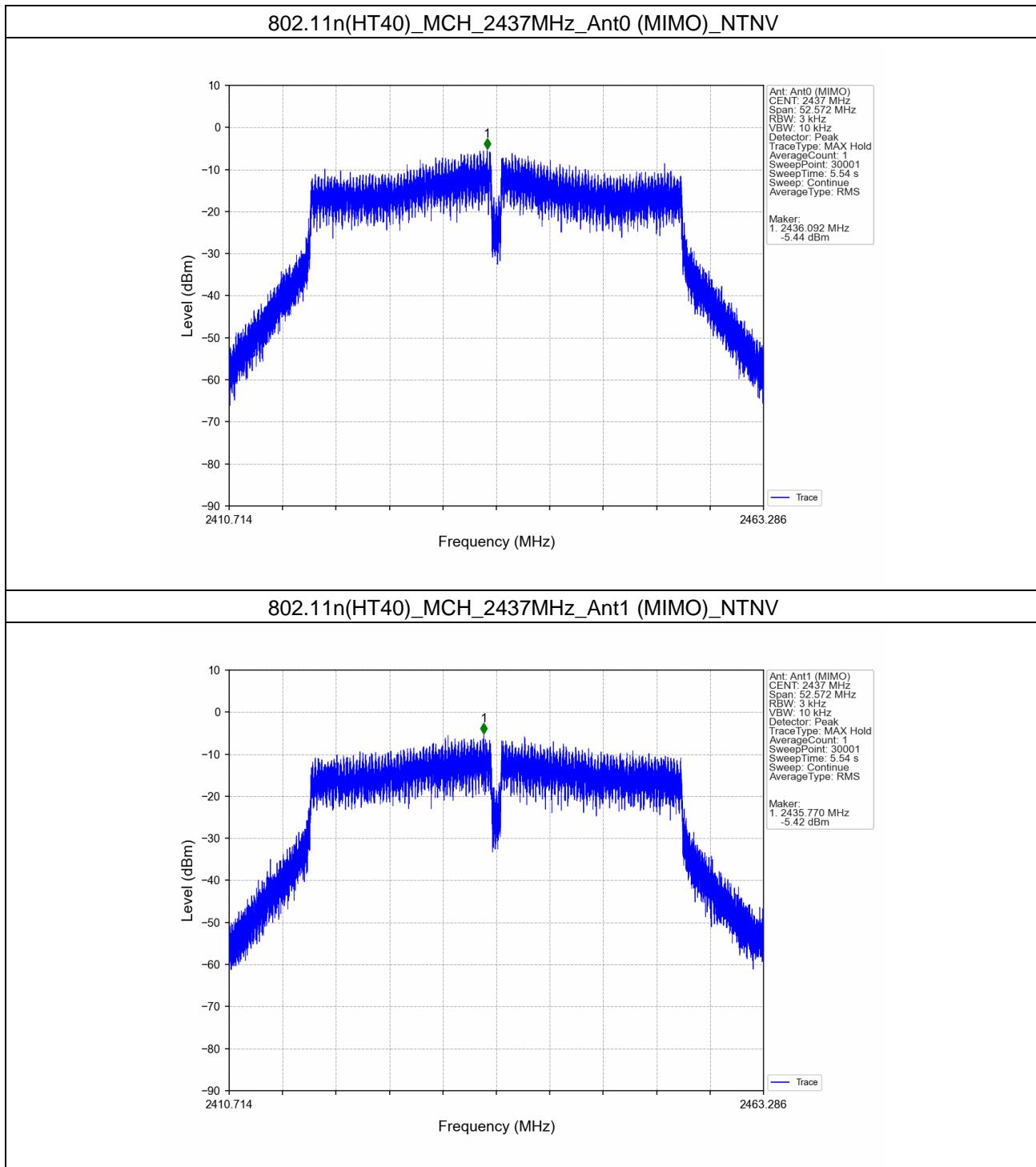


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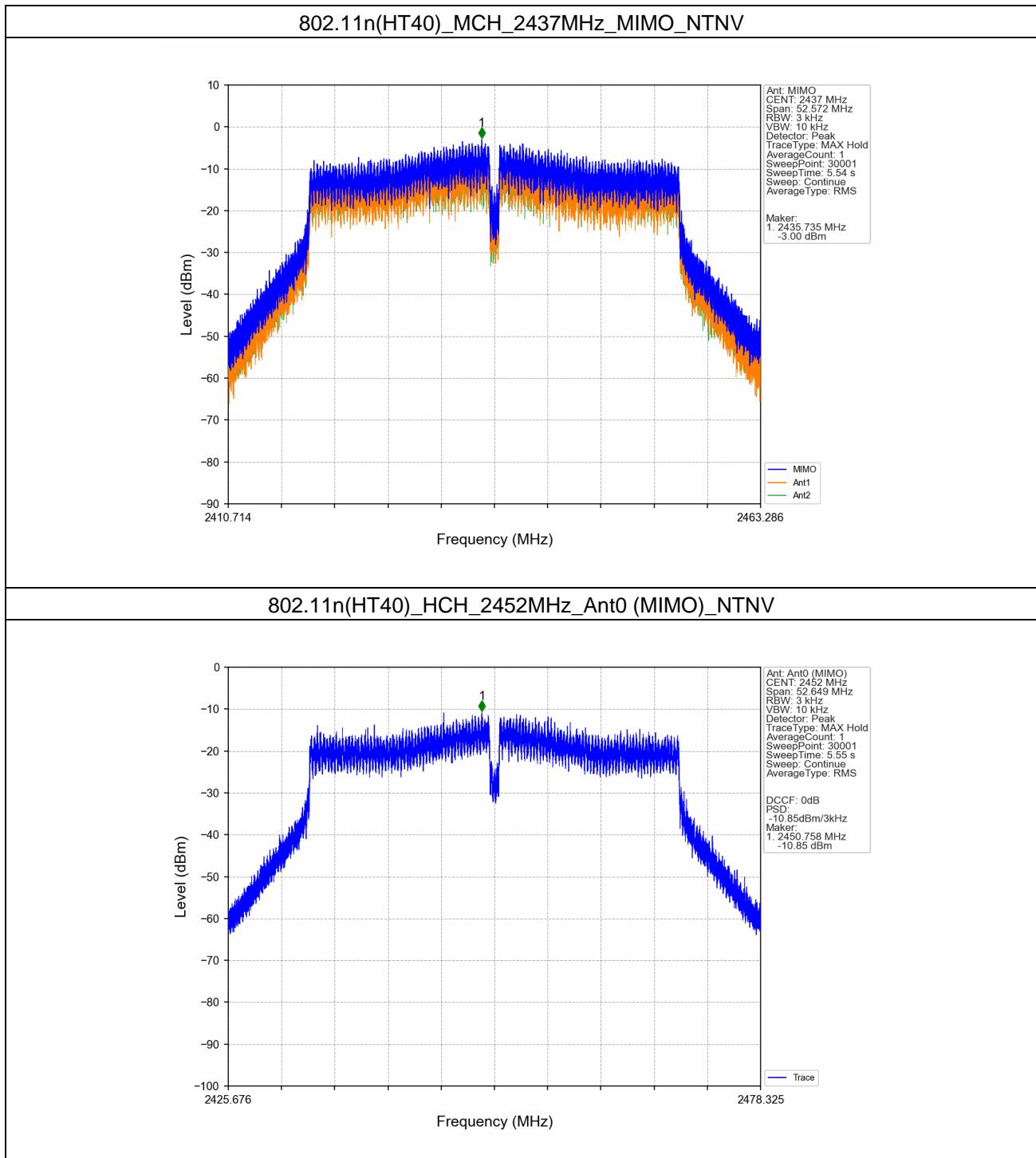
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