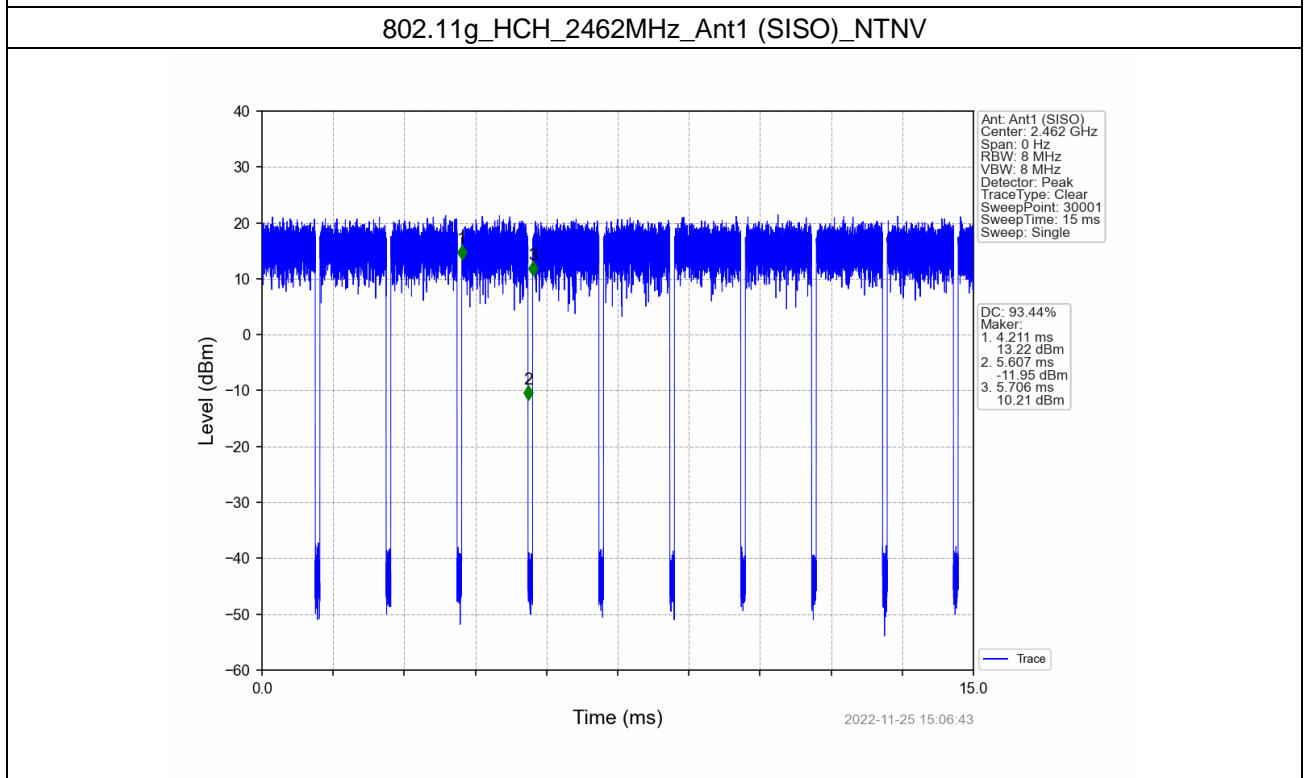
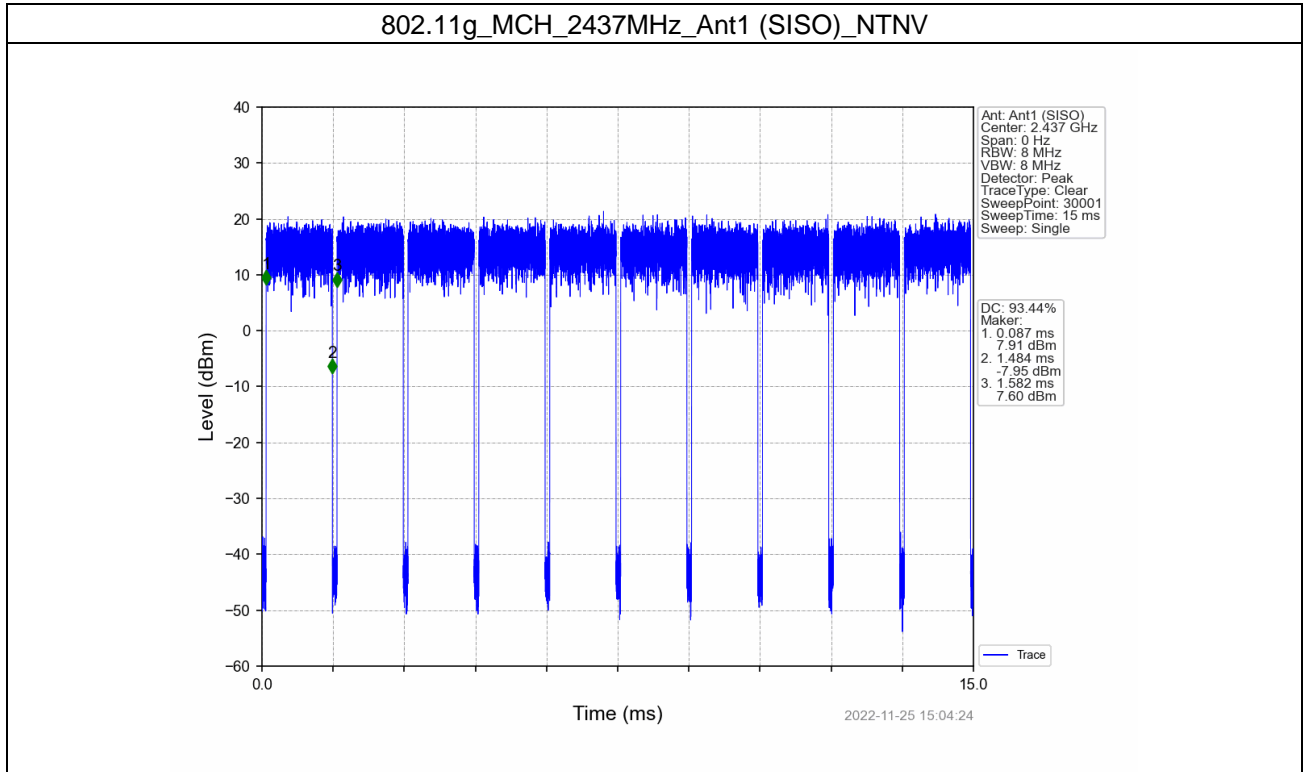


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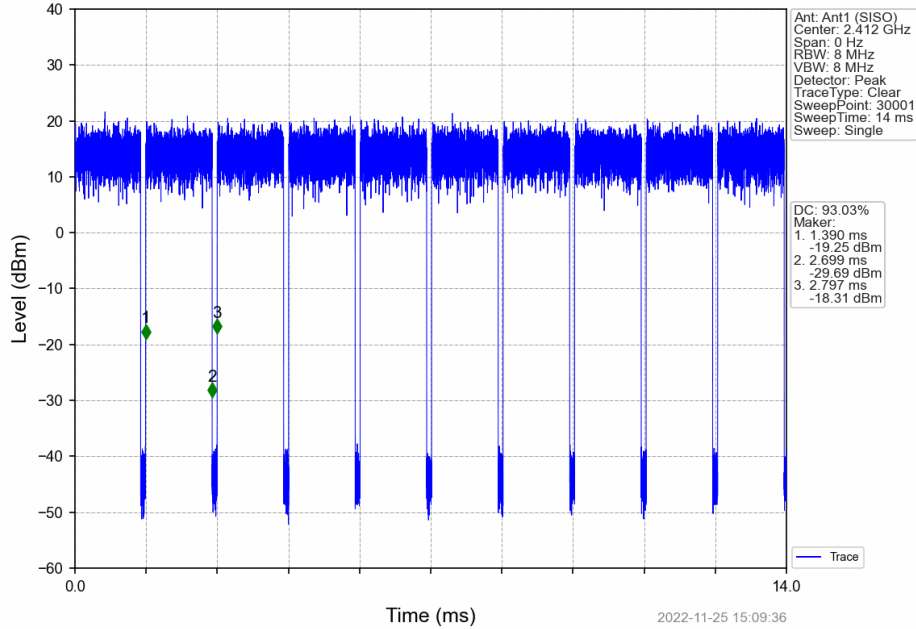
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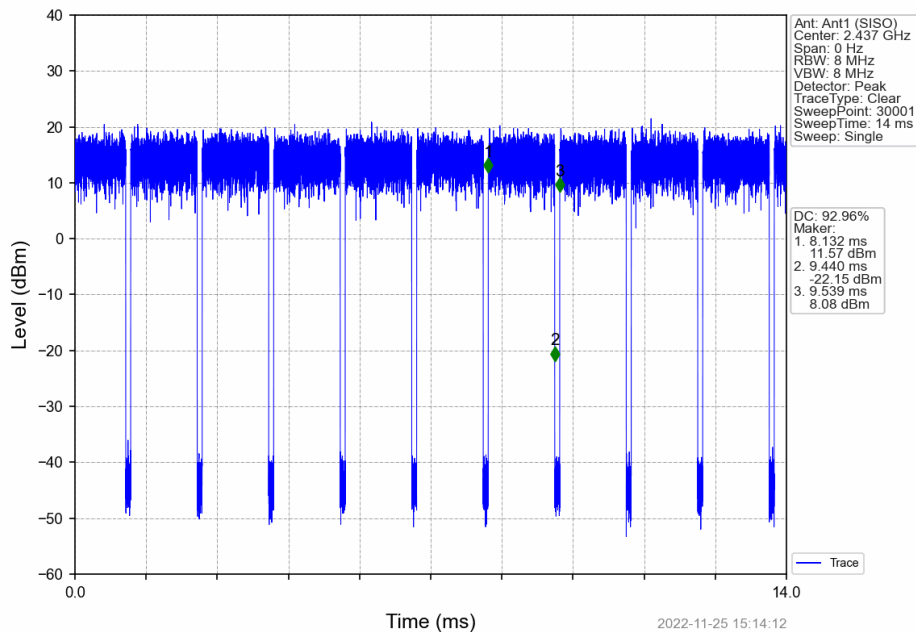
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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV

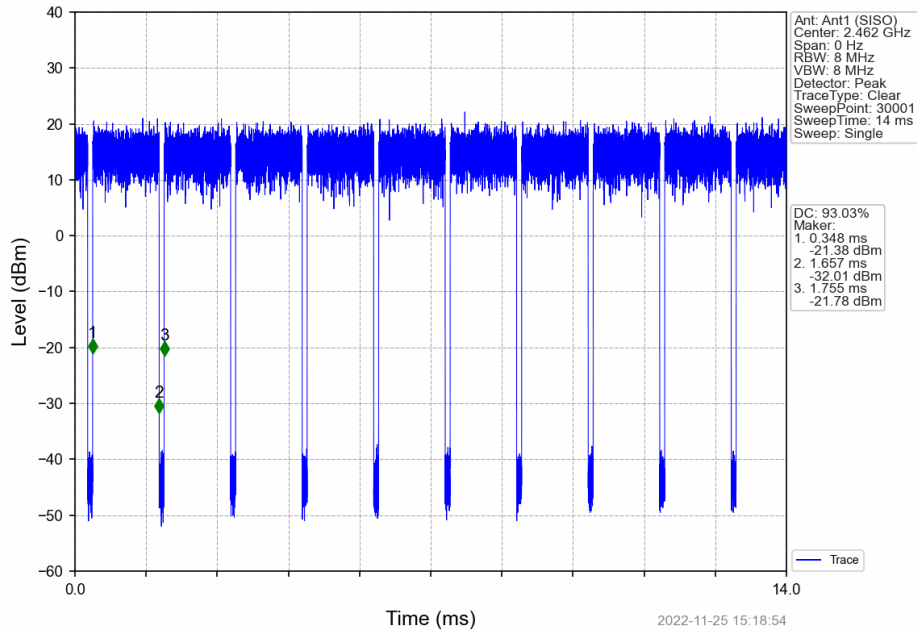


802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV

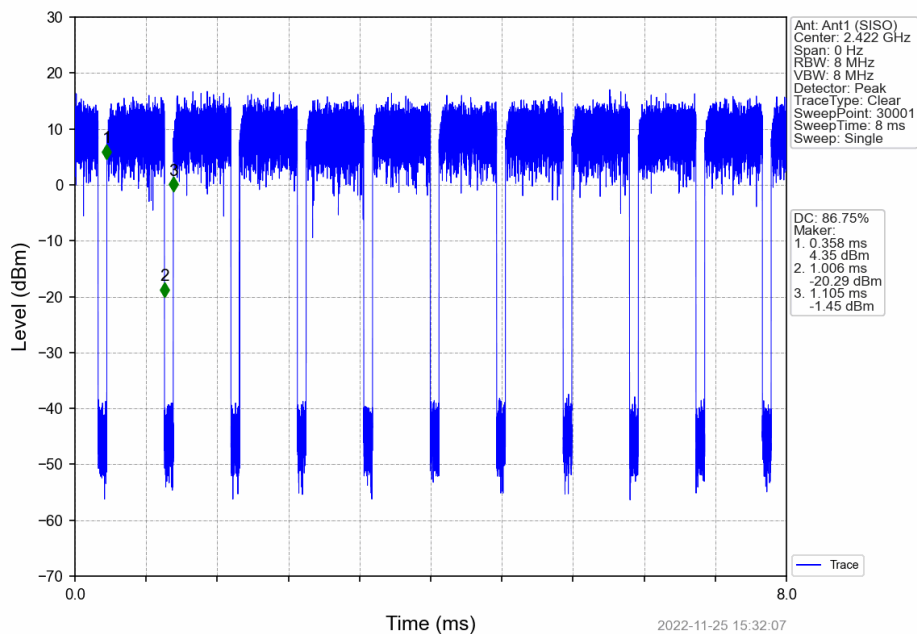


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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



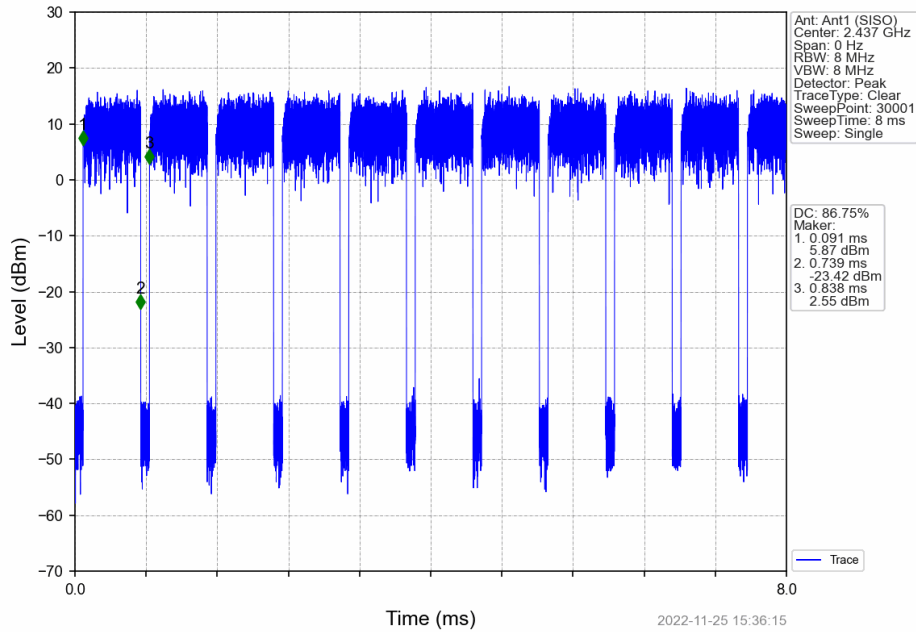
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



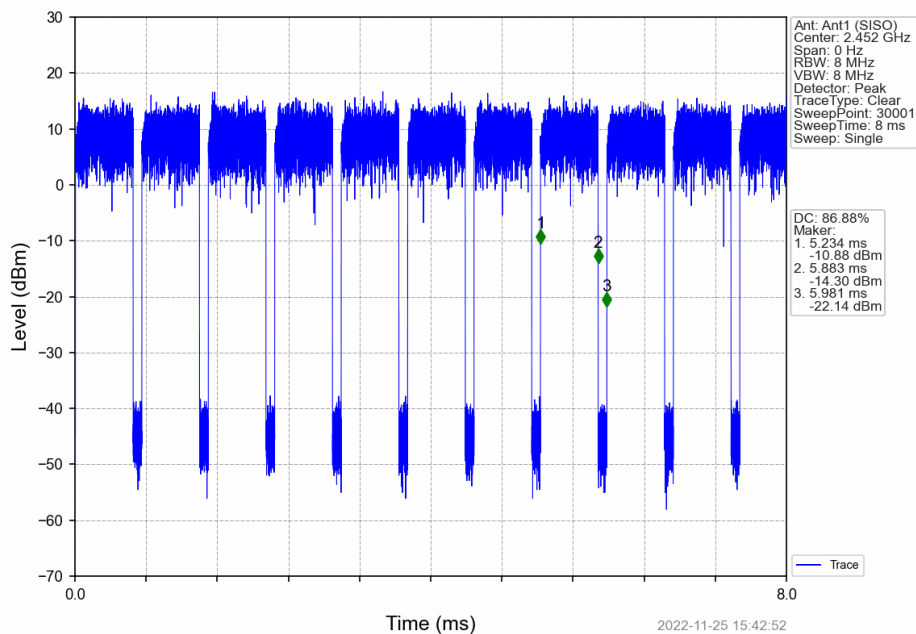
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802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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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 | 8.643 | >=0.5 | Pass |
| | | 2437 | 1 | 9.579 | >=0.5 | Pass |
| | | 2462 | 1 | 9.095 | >=0.5 | Pass |
| 802.11g | SISO | 2412 | 1 | 16.413 | >=0.5 | Pass |
| | | 2437 | 1 | 16.398 | >=0.5 | Pass |
| | | 2462 | 1 | 16.378 | >=0.5 | Pass |
| 802.11n (HT20) | SISO | 2412 | 1 | 17.394 | >=0.5 | Pass |
| | | 2437 | 1 | 17.157 | >=0.5 | Pass |
| | | 2462 | 1 | 17.184 | >=0.5 | Pass |
| 802.11n (HT40) | SISO | 2422 | 1 | 35.686 | >=0.5 | Pass |
| | | 2437 | 1 | 35.547 | >=0.5 | Pass |
| | | 2452 | 1 | 35.166 | >=0.5 | Pass |

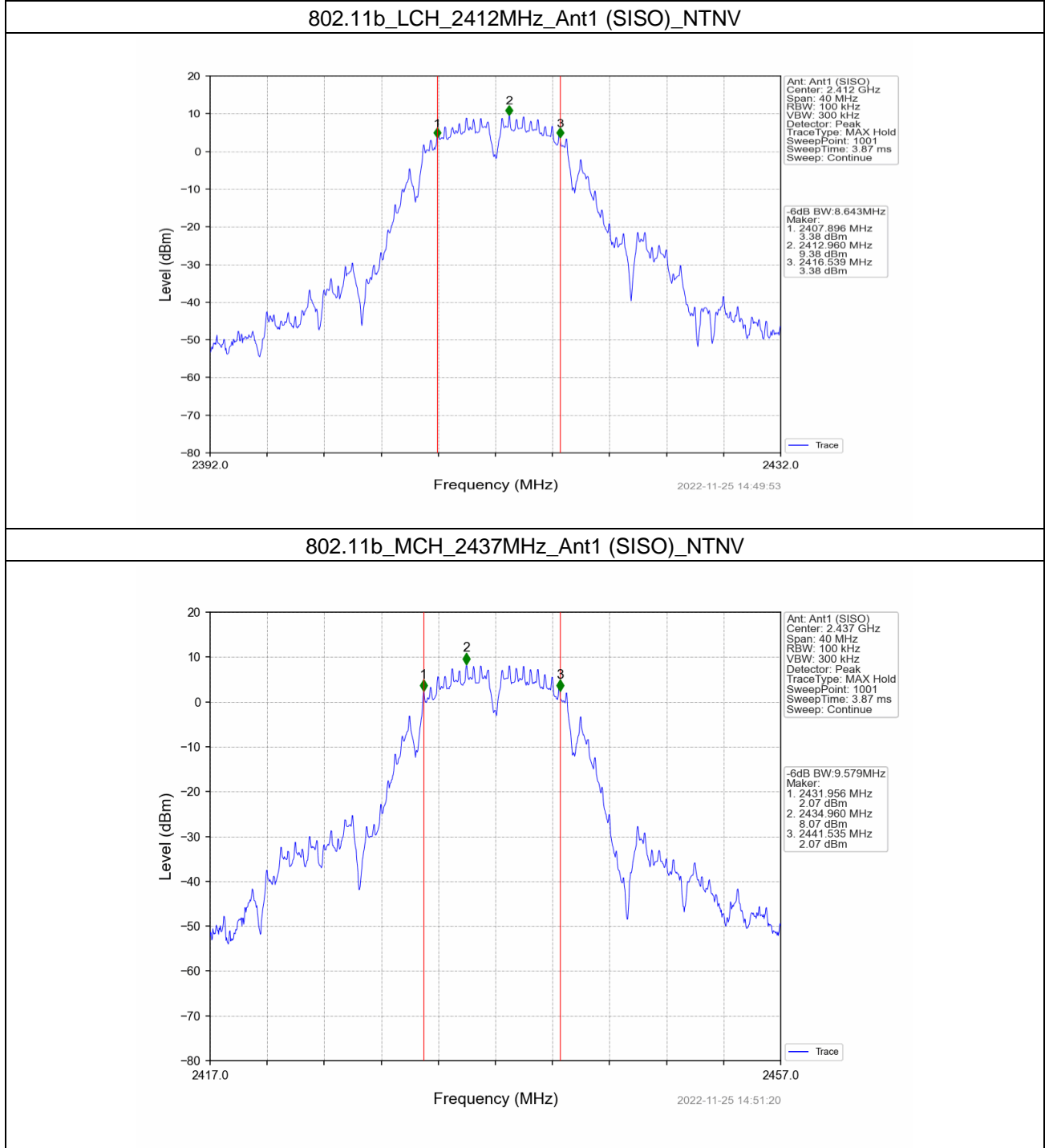


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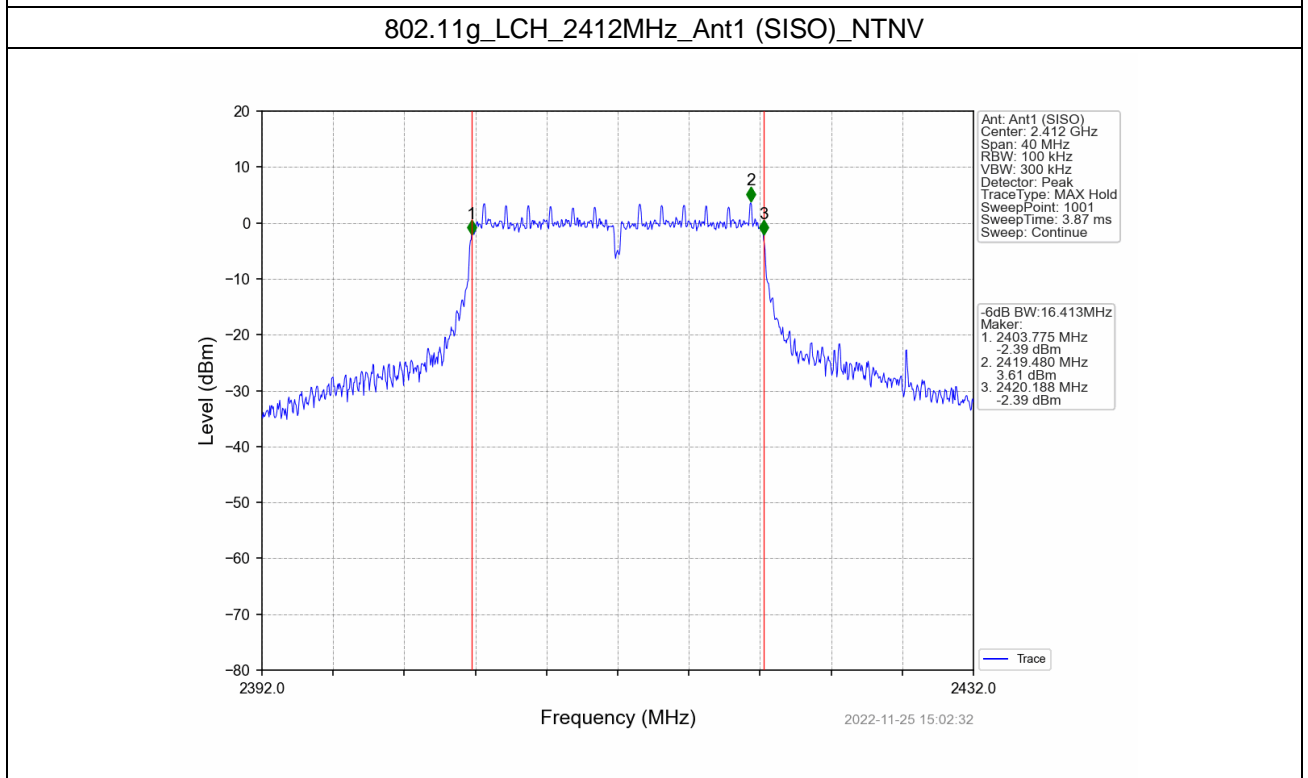
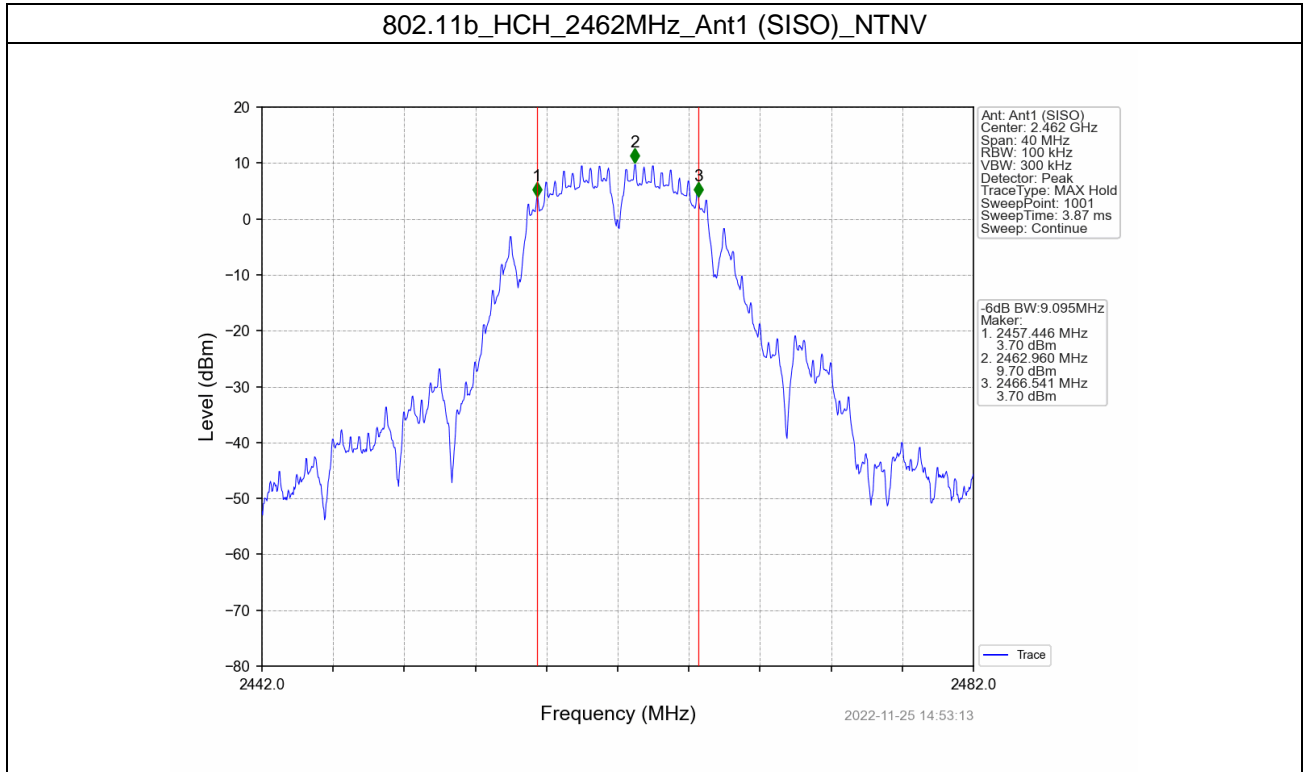
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2.1.2 Test Graph

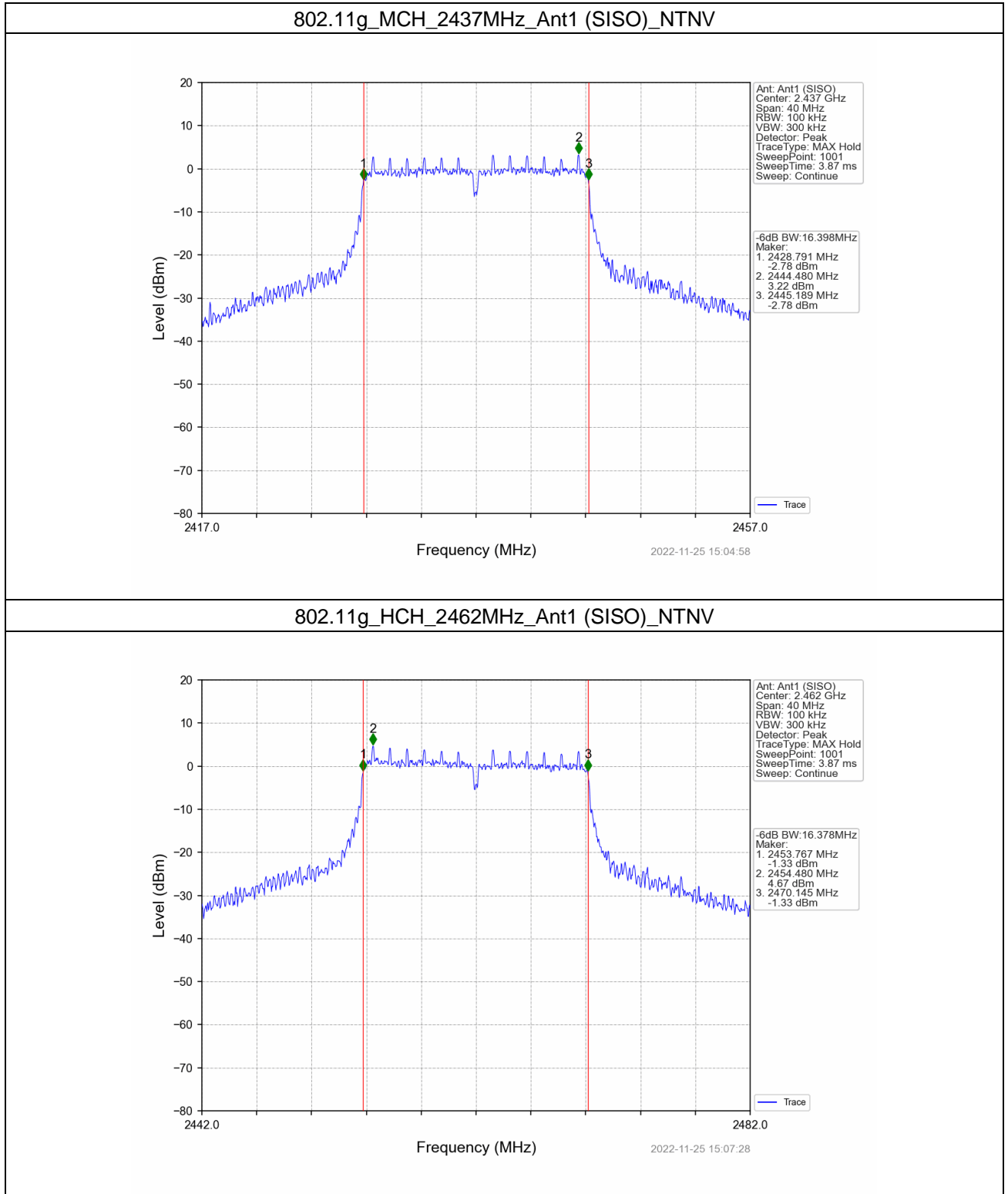


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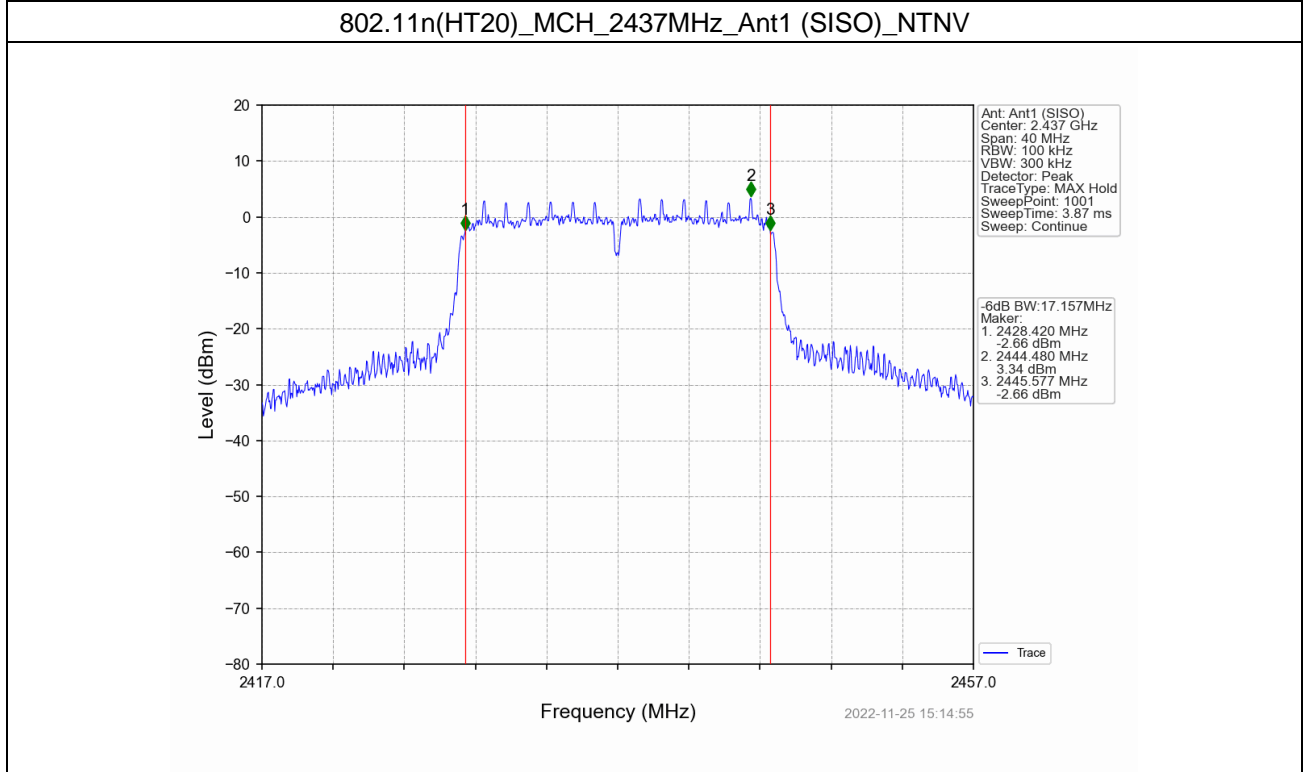
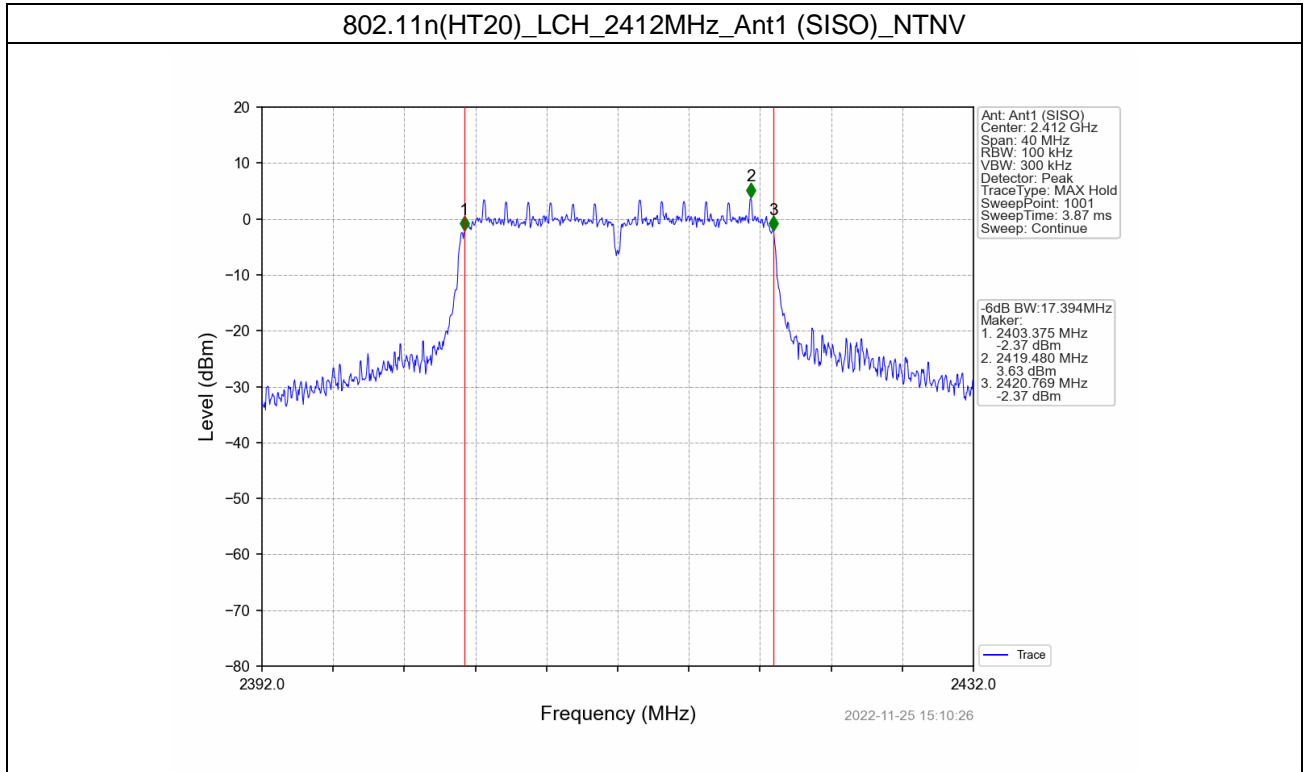
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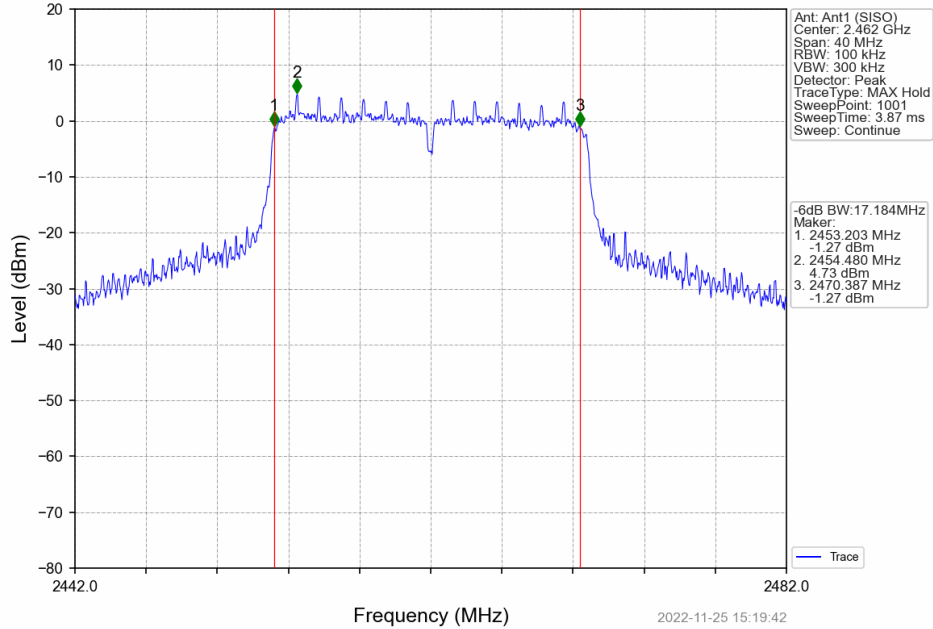


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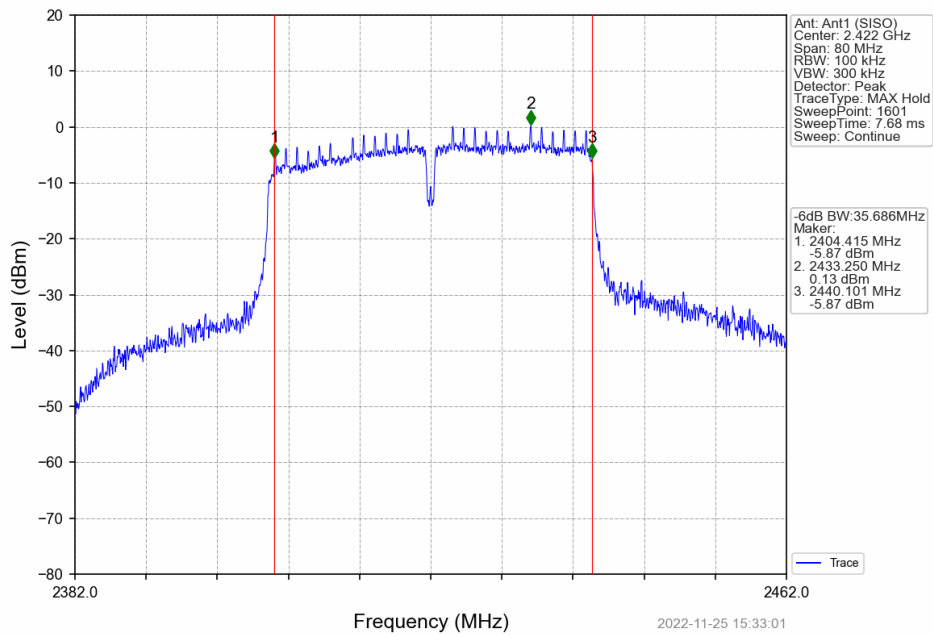


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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV

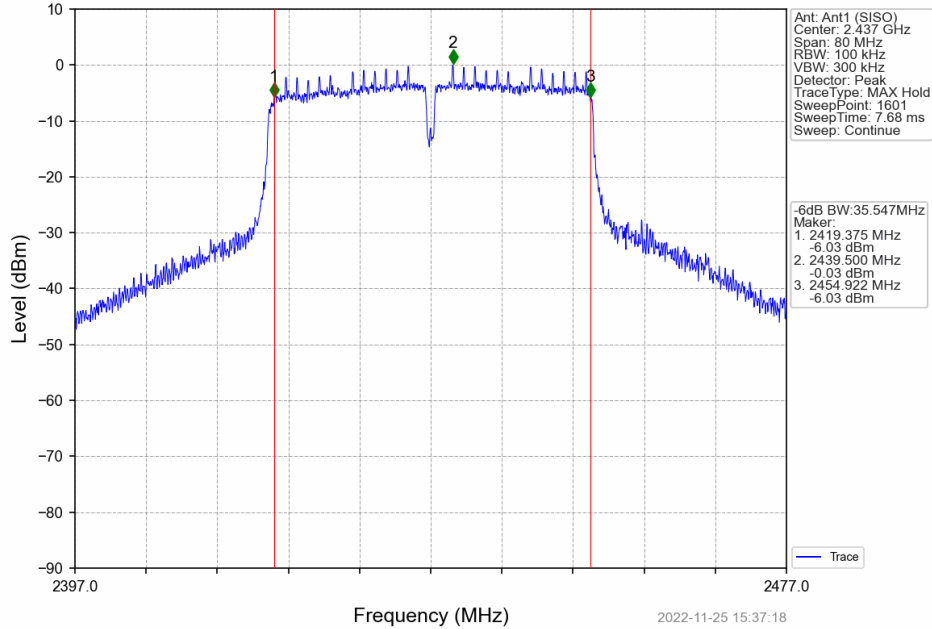


802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV

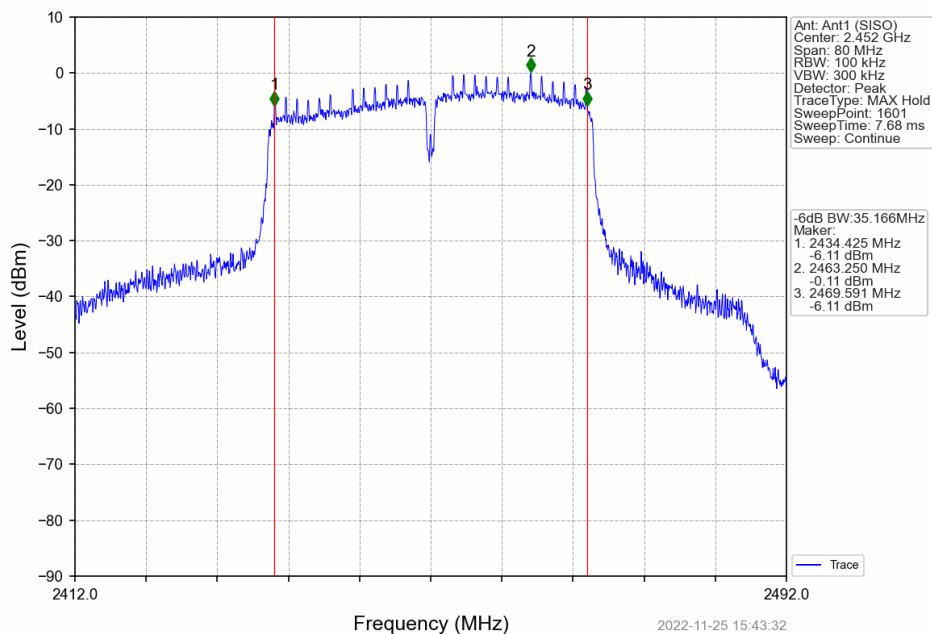


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802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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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 |
|----------------|---------|-----------------|--|-------|---------|
| | | | ANT1 | Limit | |
| 802.11b | SISO | 2412 | 13.61 | <=30 | Pass |
| | | 2437 | 13.19 | <=30 | Pass |
| | | 2462 | 13.99 | <=30 | Pass |
| 802.11g | SISO | 2412 | 12.98 | <=30 | Pass |
| | | 2437 | 12.80 | <=30 | Pass |
| | | 2462 | 13.44 | <=30 | Pass |
| 802.11n (HT20) | SISO | 2412 | 13.00 | <=30 | Pass |
| | | 2437 | 12.88 | <=30 | Pass |
| | | 2462 | 13.51 | <=30 | Pass |
| 802.11n (HT40) | SISO | 2422 | 11.79 | <=30 | Pass |
| | | 2437 | 11.92 | <=30 | Pass |
| | | 2452 | 11.05 | <=30 | Pass |



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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 | Limit | |
| 802.11b | SISO | 2412 | -8.45 | <=8 | Pass |
| | | 2437 | -6.99 | <=8 | Pass |
| | | 2462 | -4.84 | <=8 | Pass |
| 802.11g | SISO | 2412 | -11.96 | <=8 | Pass |
| | | 2437 | -11.65 | <=8 | Pass |
| | | 2462 | -11.45 | <=8 | Pass |
| 802.11n (HT20) | SISO | 2412 | -11.73 | <=8 | Pass |
| | | 2437 | -11.77 | <=8 | Pass |
| | | 2462 | -10.93 | <=8 | Pass |
| 802.11n (HT40) | SISO | 2422 | -15.86 | <=8 | Pass |
| | | 2437 | -15.46 | <=8 | Pass |
| | | 2452 | -15.86 | <=8 | Pass |

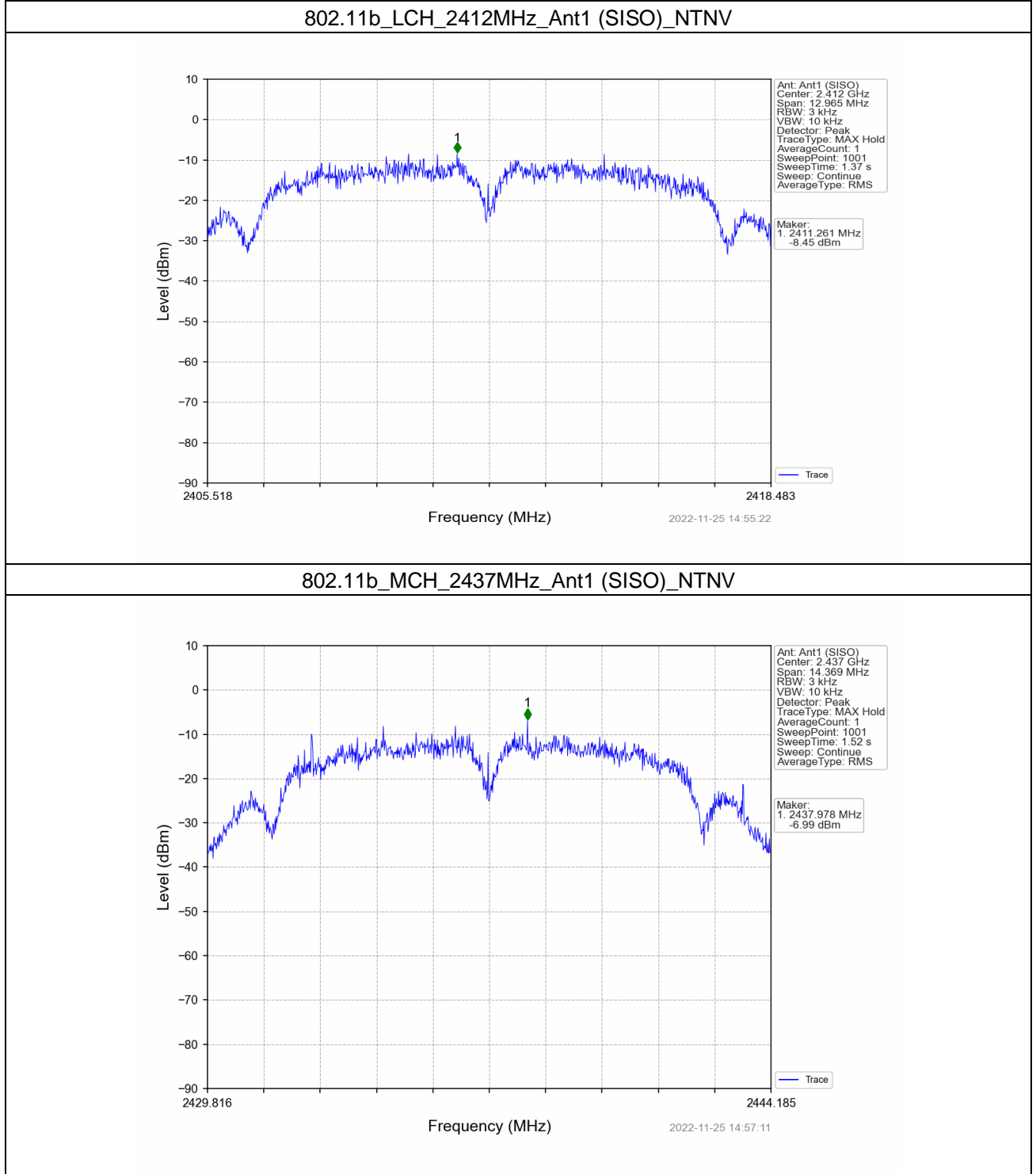


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 Shenzhen Branch

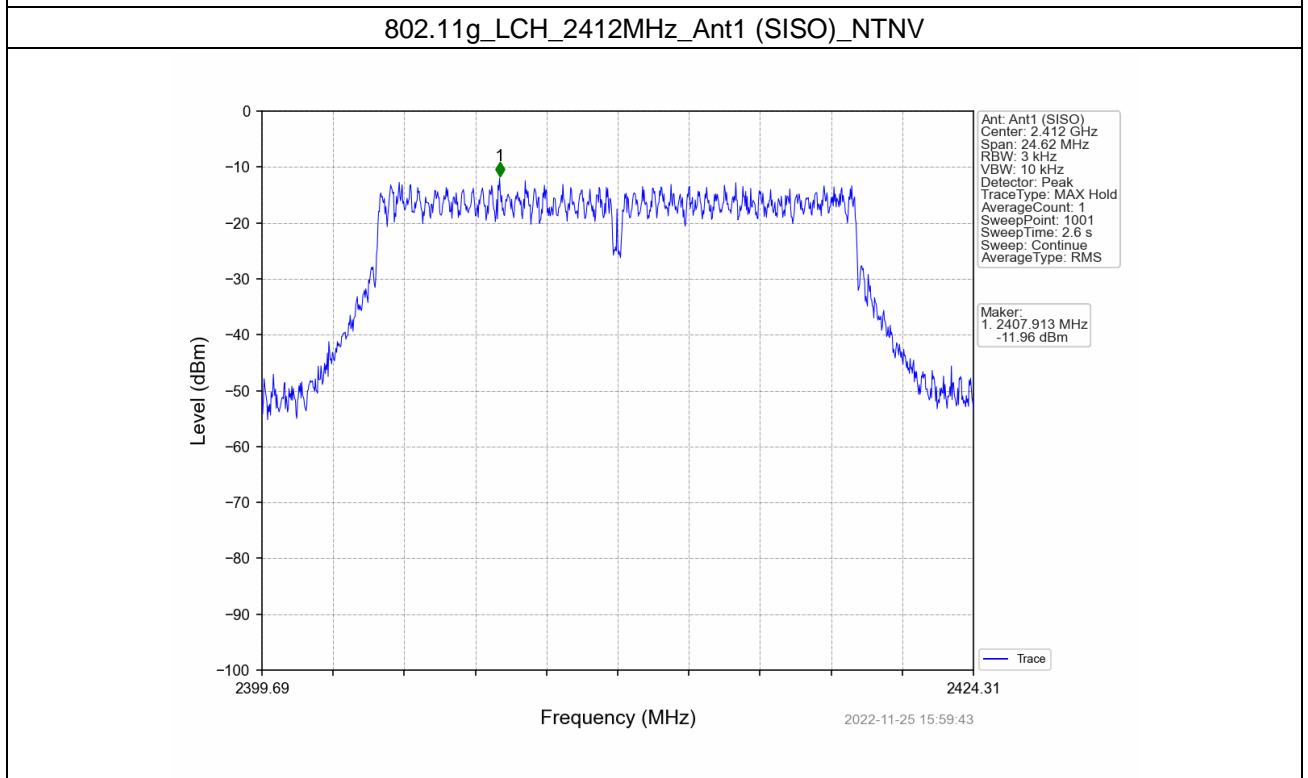
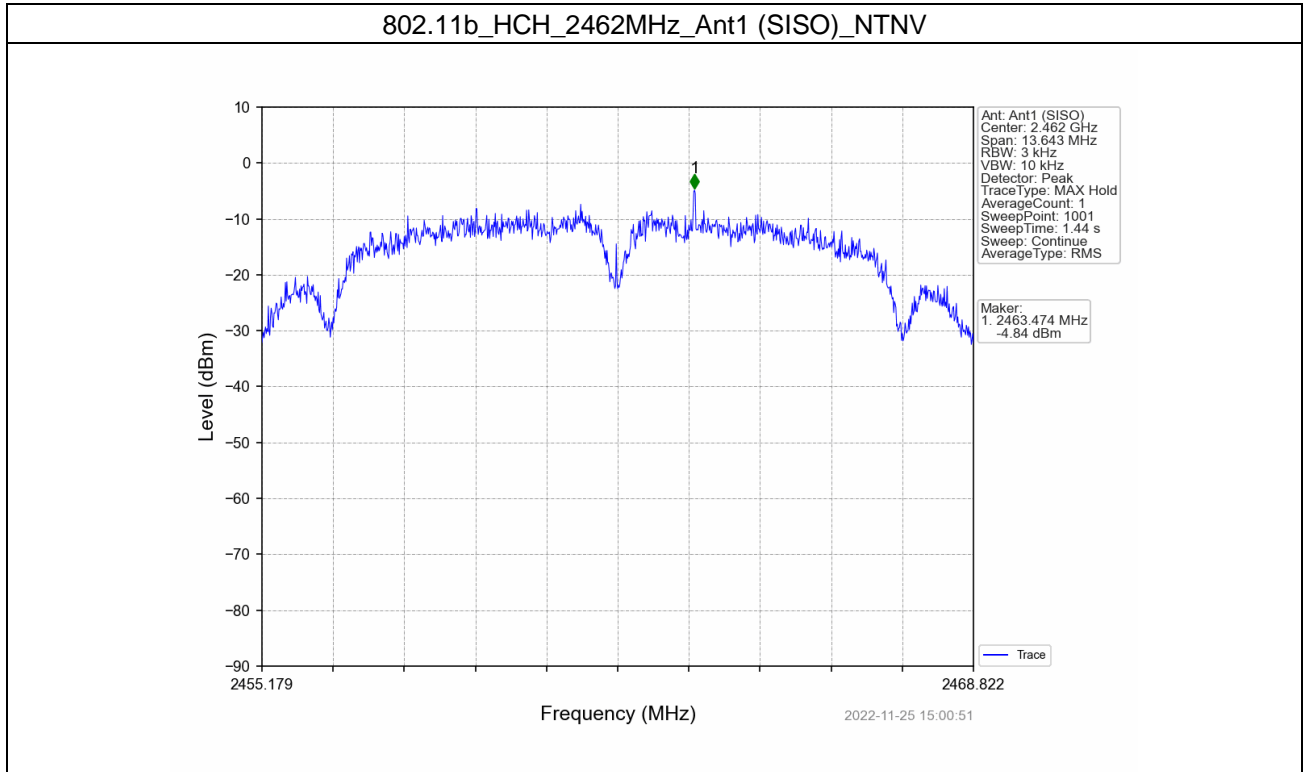
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4.1.2 Test Graph

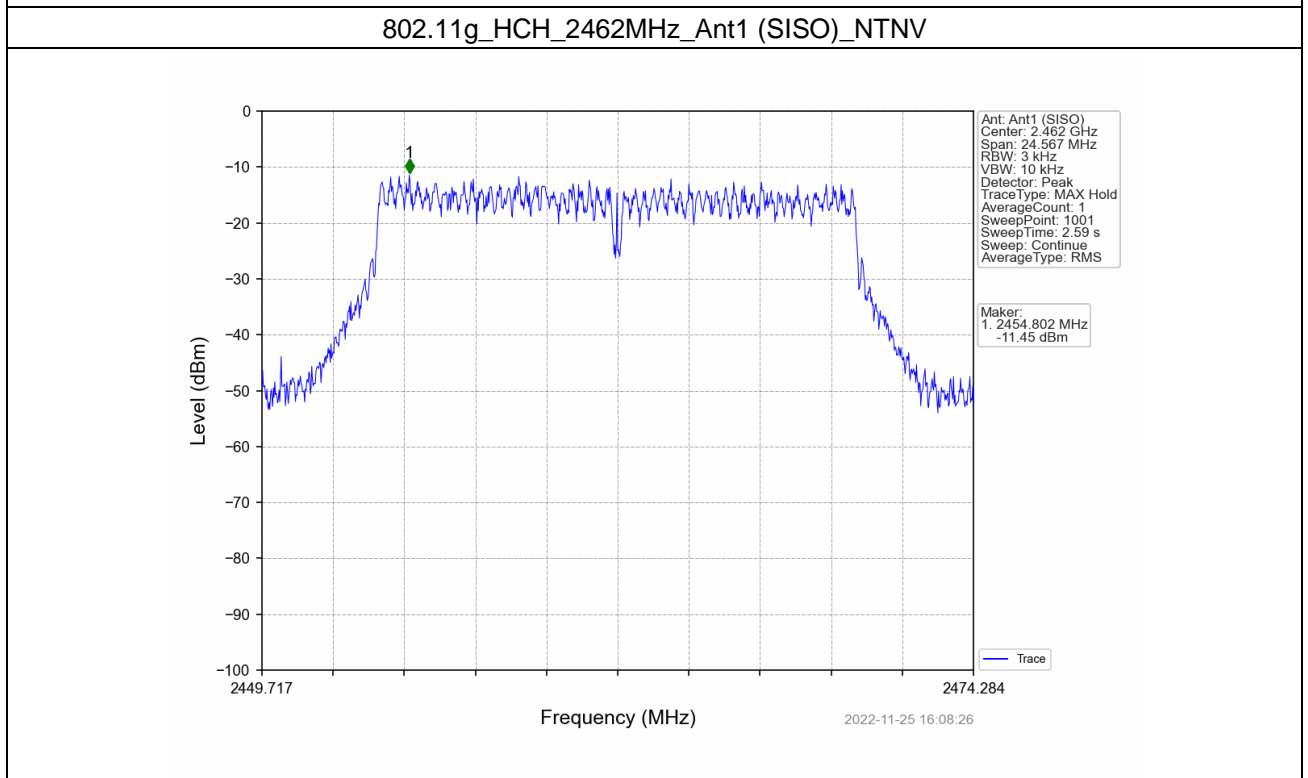
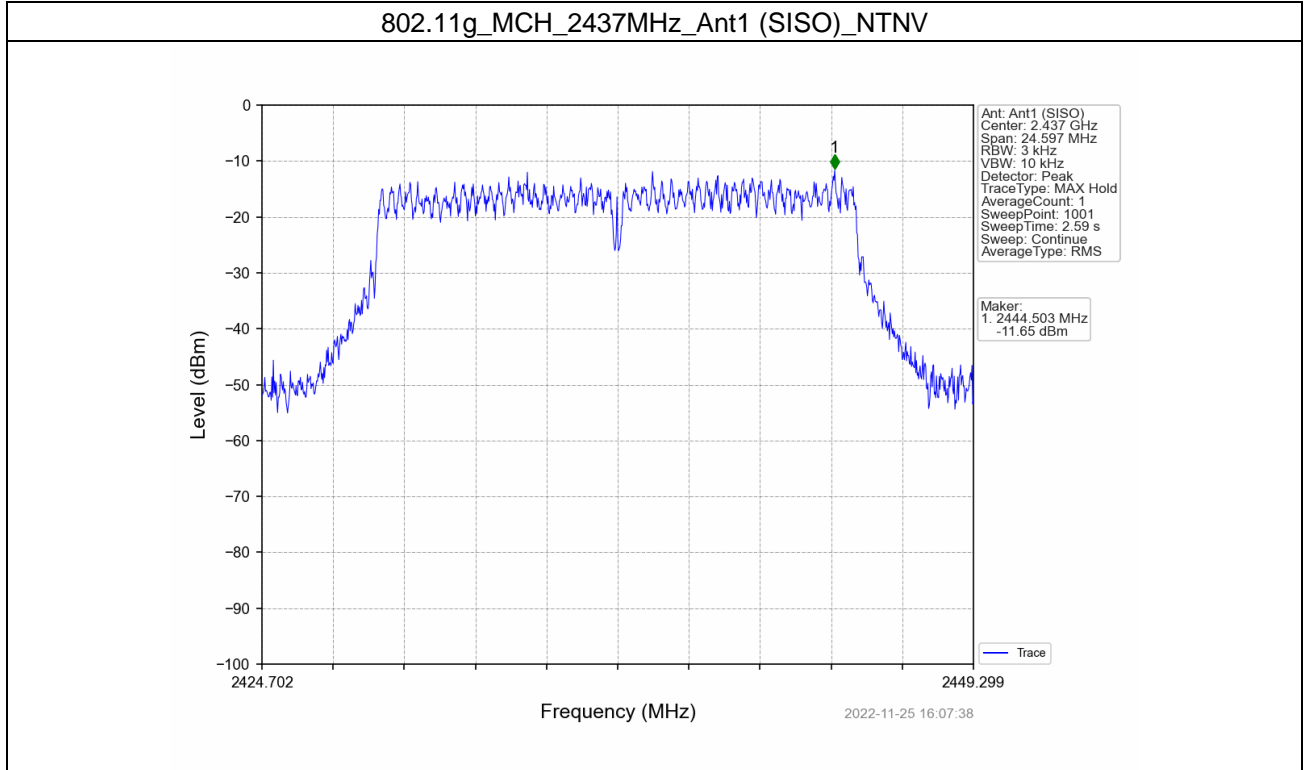


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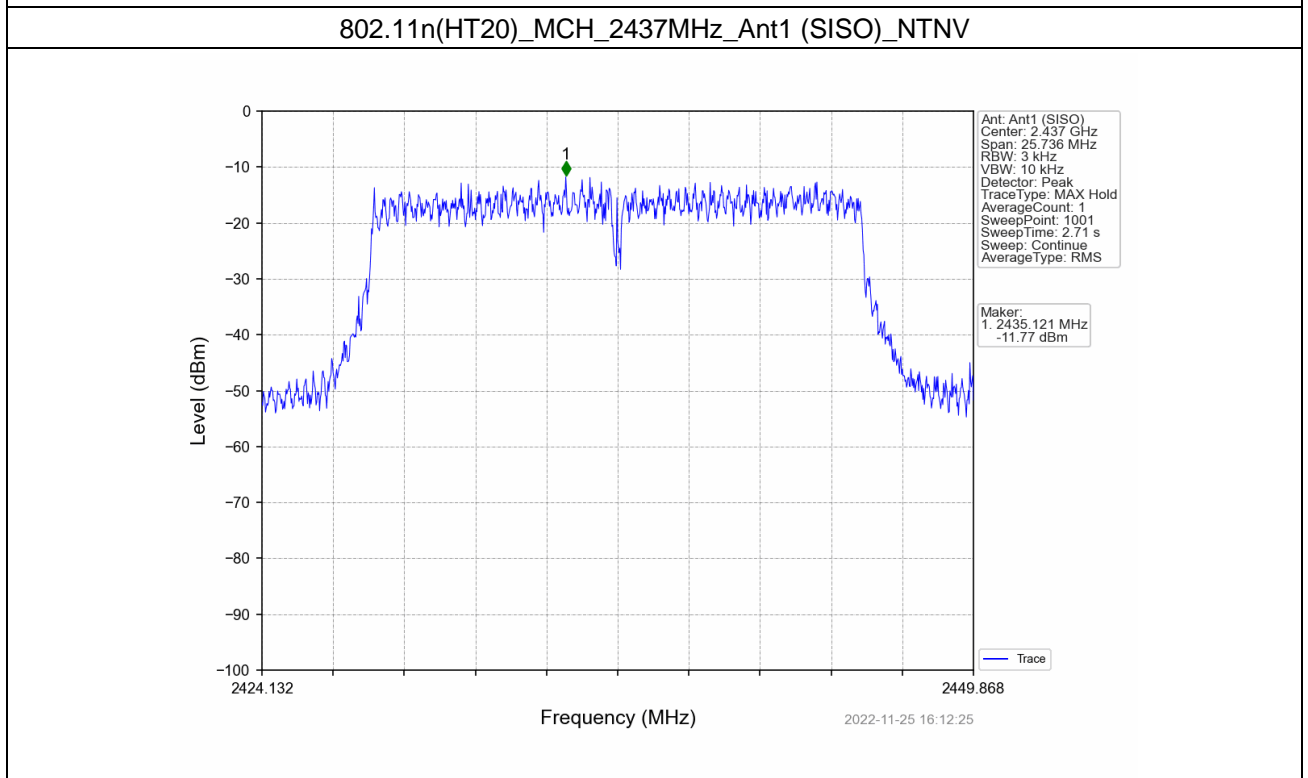
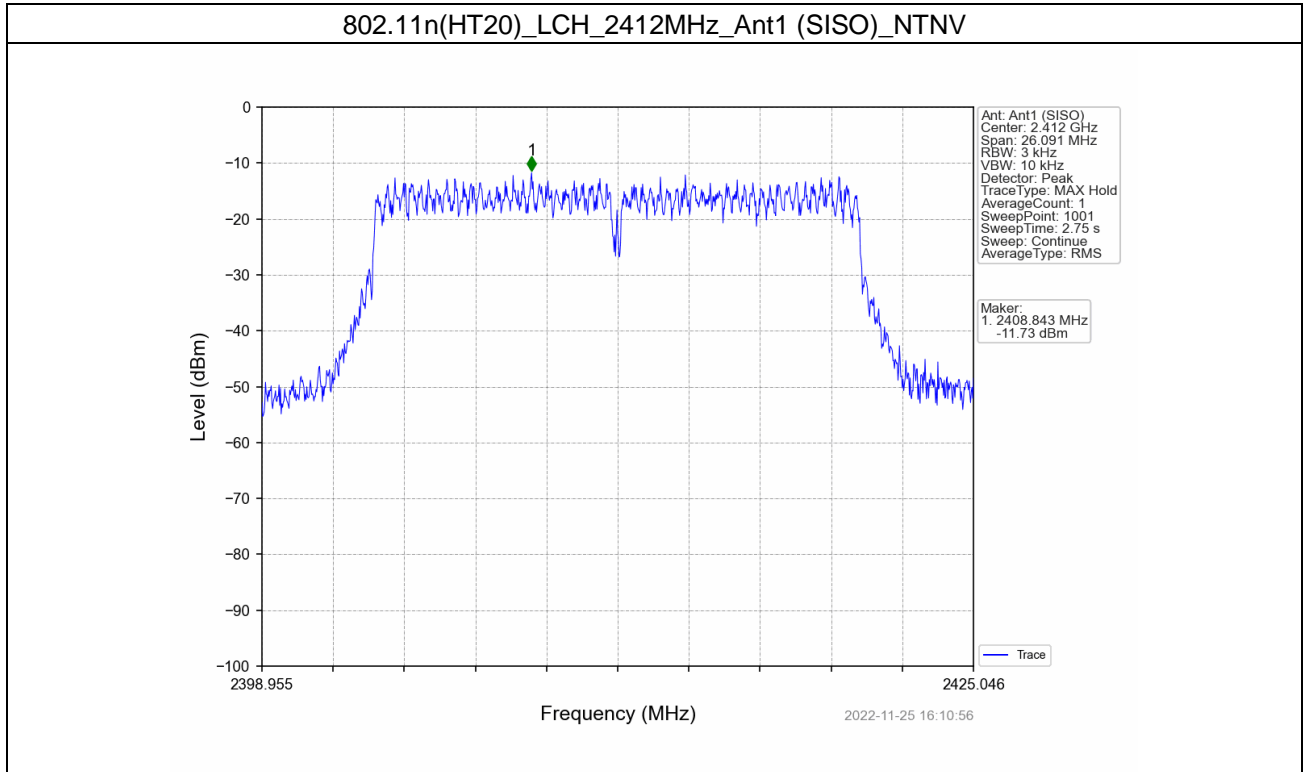
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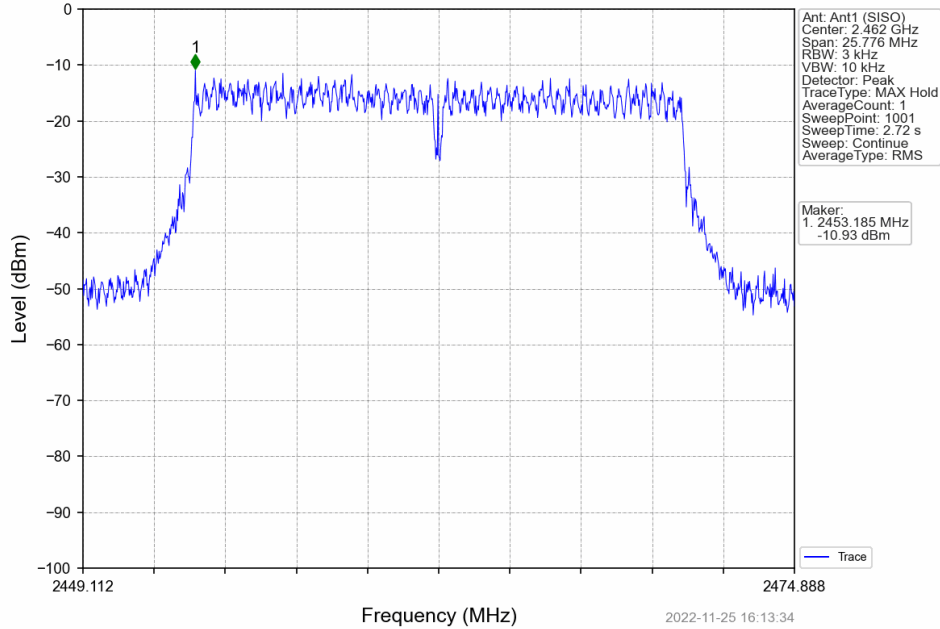


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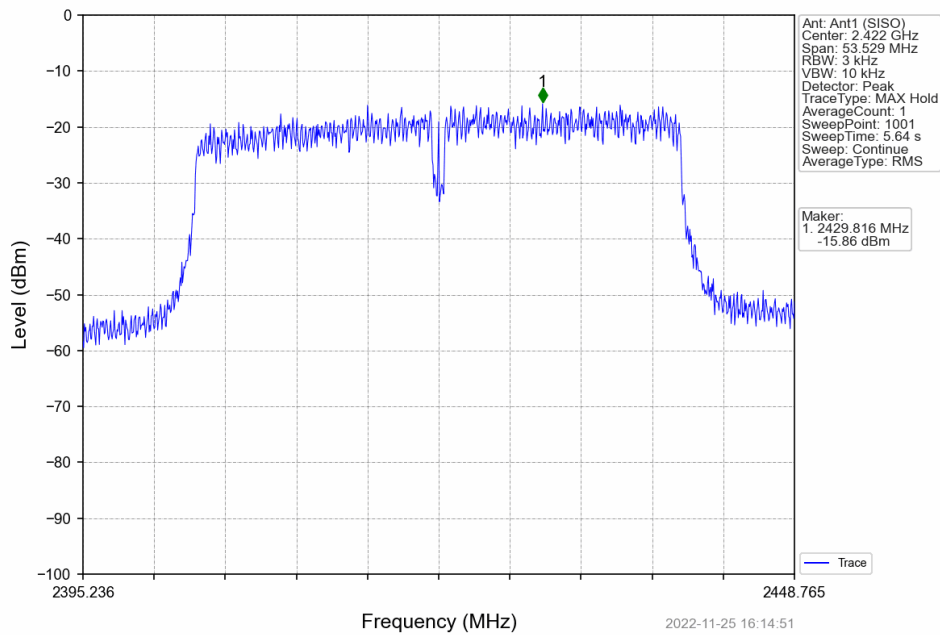


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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV

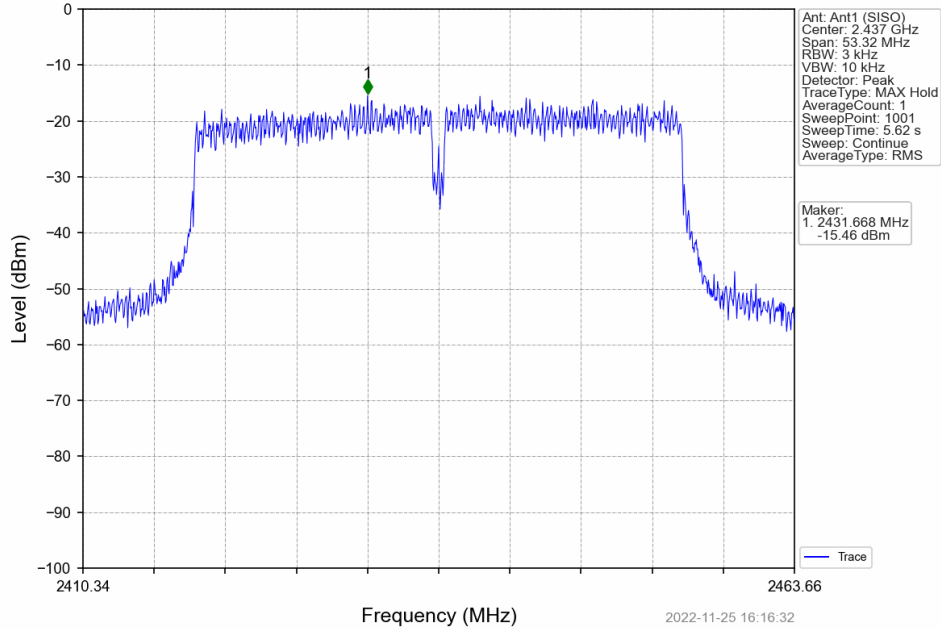


802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV

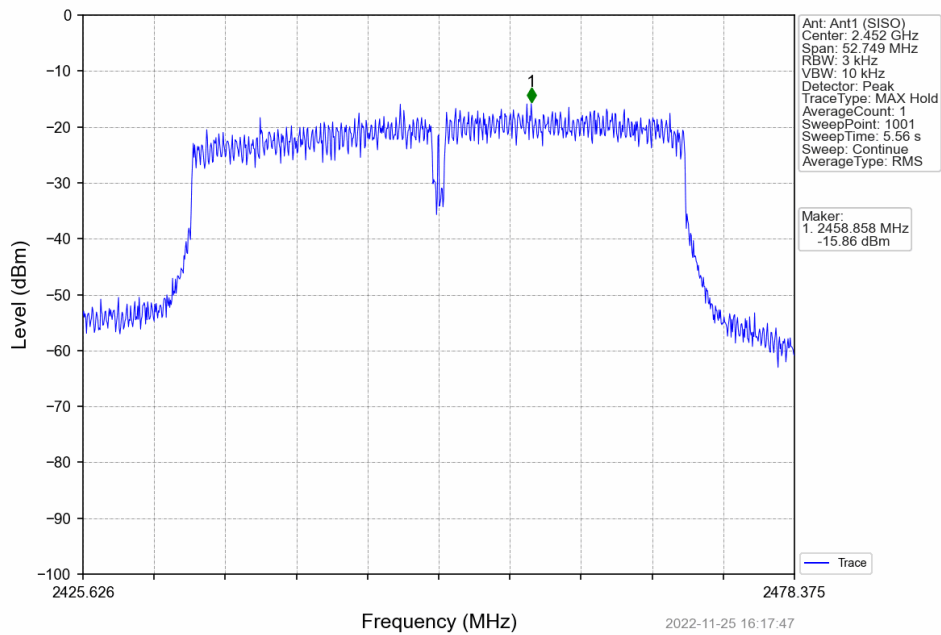


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802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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5. Unwanted Emissions InStandard 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 | 5.76 |
| | | 2437 | 1 | 5.26 |
| | | 2462 | 1 | 6.18 |
| 802.11g | SISO | 2412 | 1 | 2.69 |
| | | 2437 | 1 | 2.68 |
| | | 2462 | 1 | 3.28 |
| 802.11n (HT20) | SISO | 2412 | 1 | 2.58 |
| | | 2437 | 1 | 2.36 |
| | | 2462 | 1 | 3.37 |
| 802.11n (HT40) | SISO | 2422 | 1 | -0.79 |
| | | 2437 | 1 | -1.03 |
| | | 2452 | 1 | -1.11 |

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.

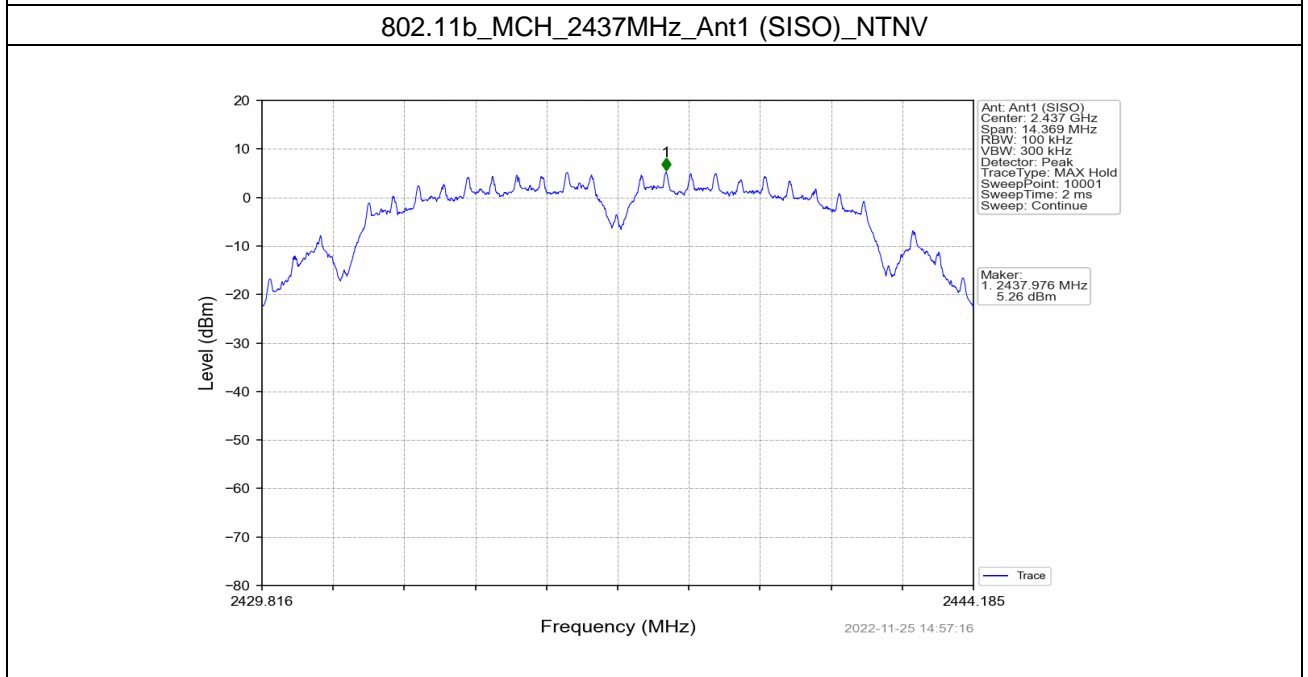
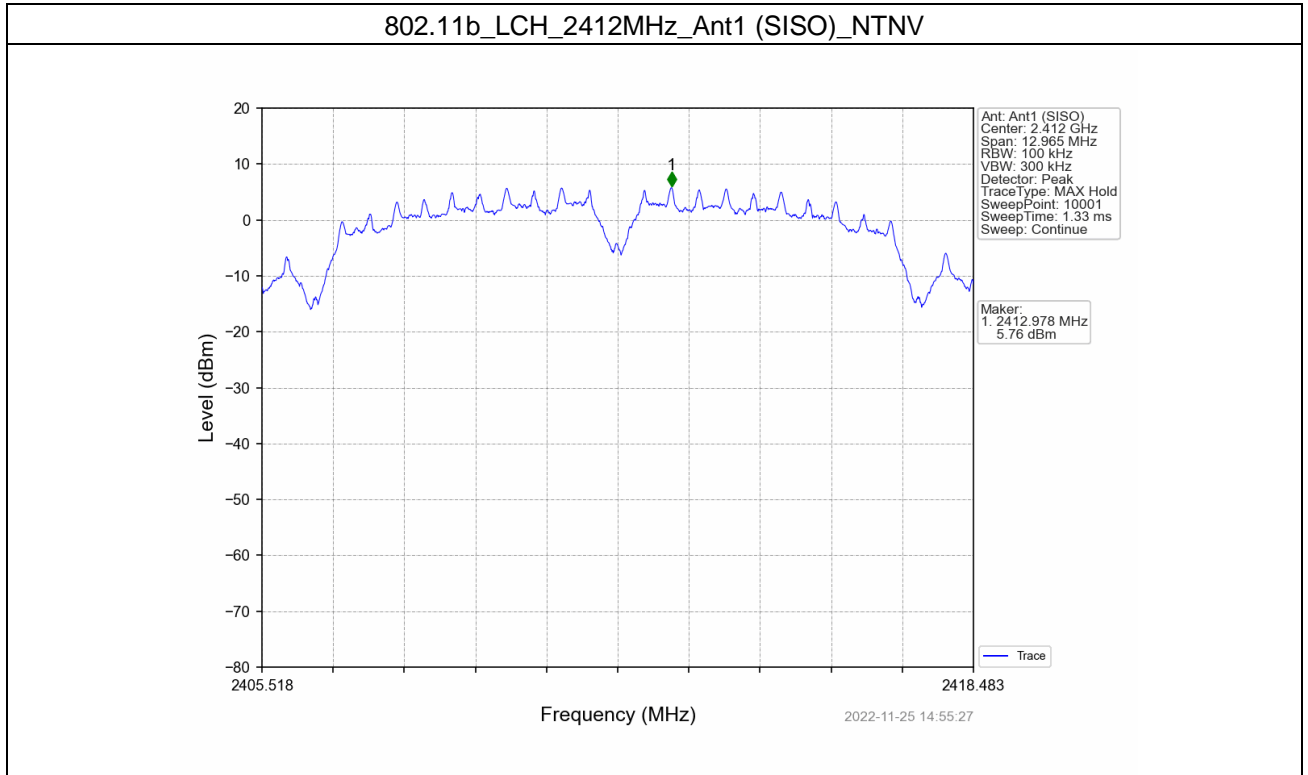
Note2: RBW = 1MHz was used during the pre-test. The final test will be performed at RBW=100kHz while the margin is less than 3dB.



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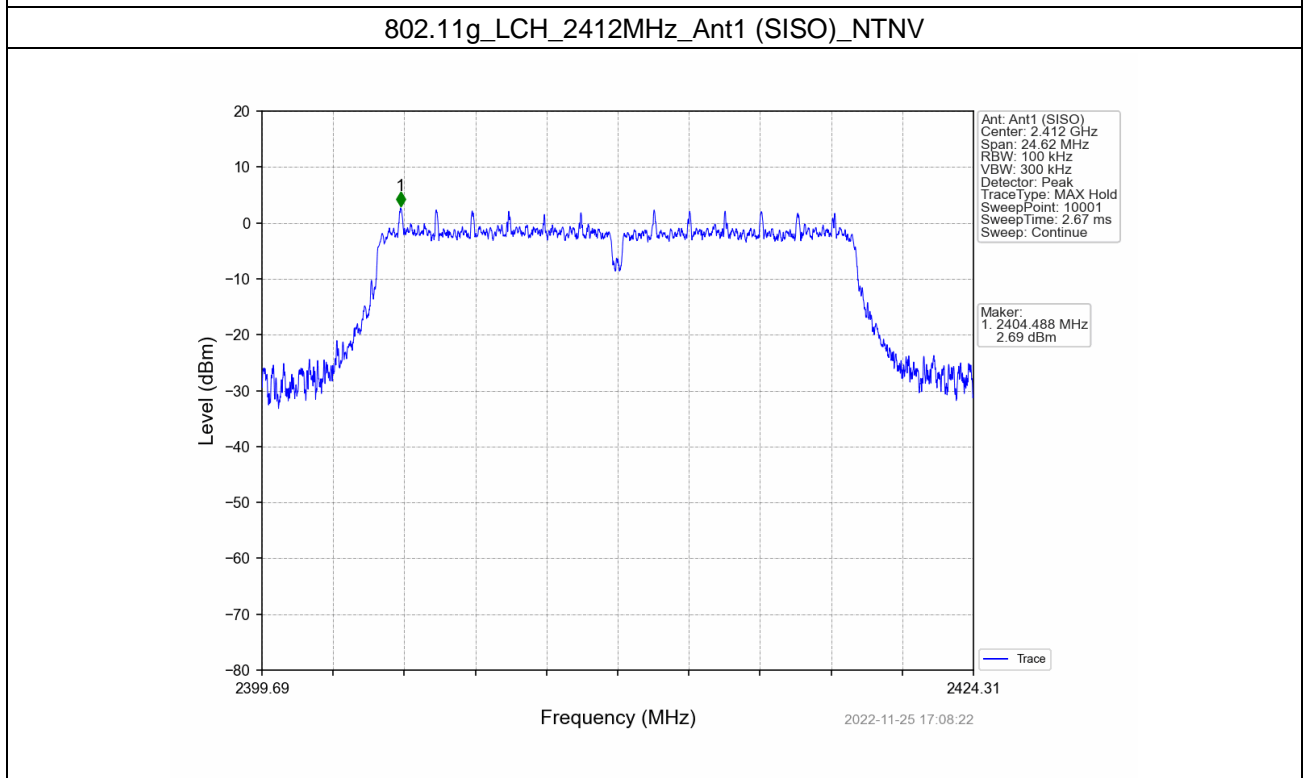
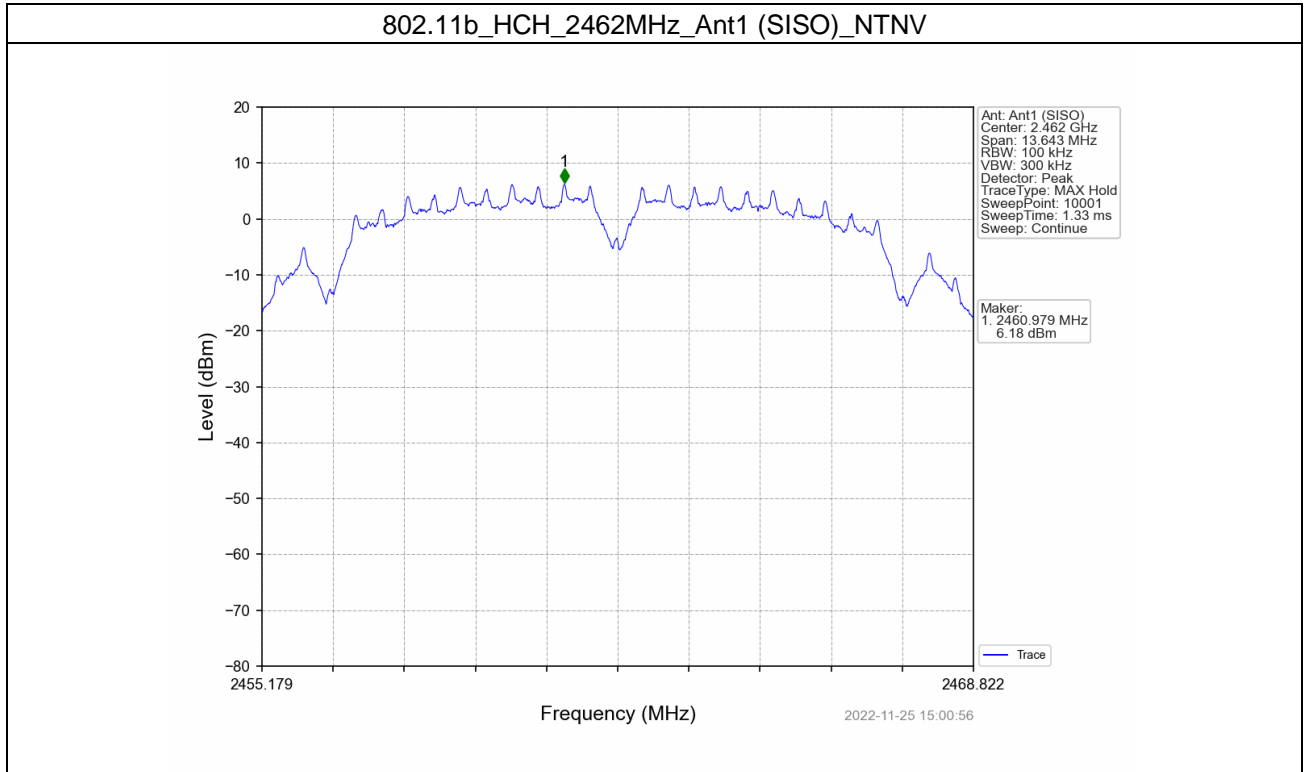
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5.1.2 Test Graph

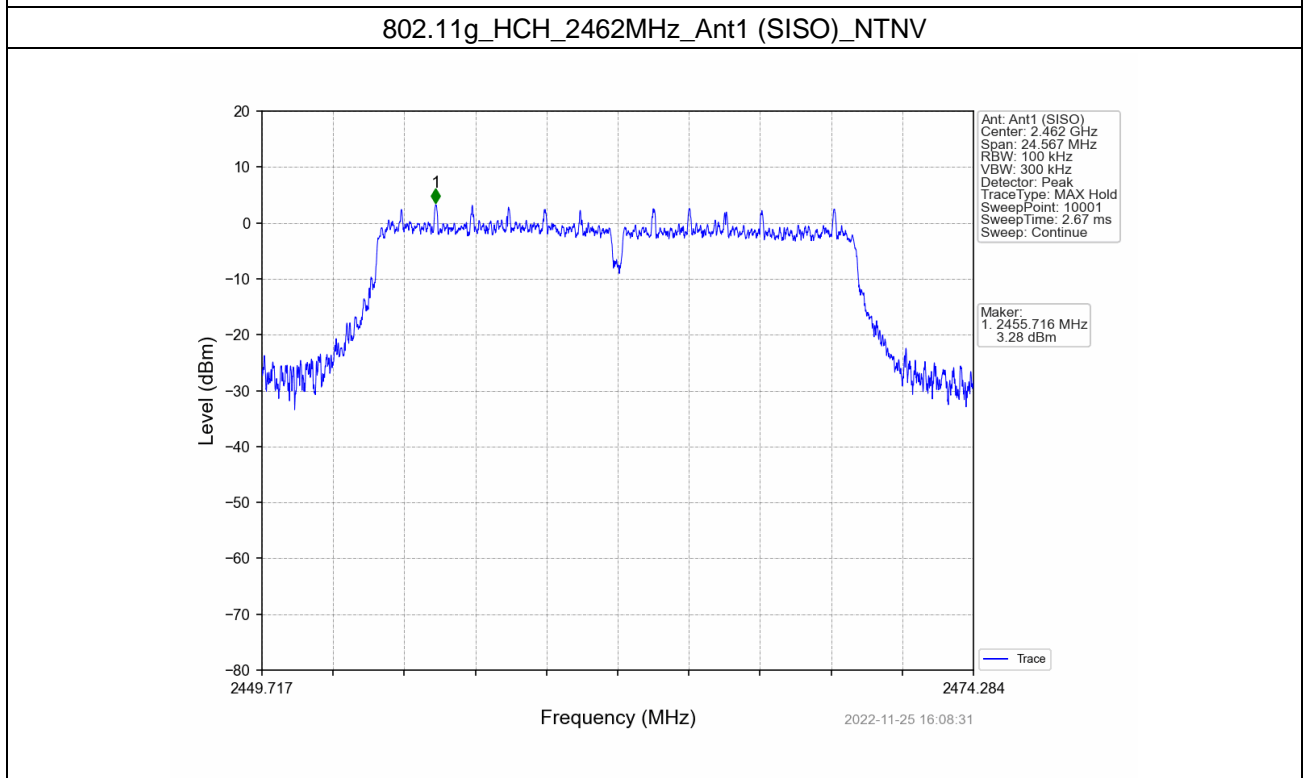
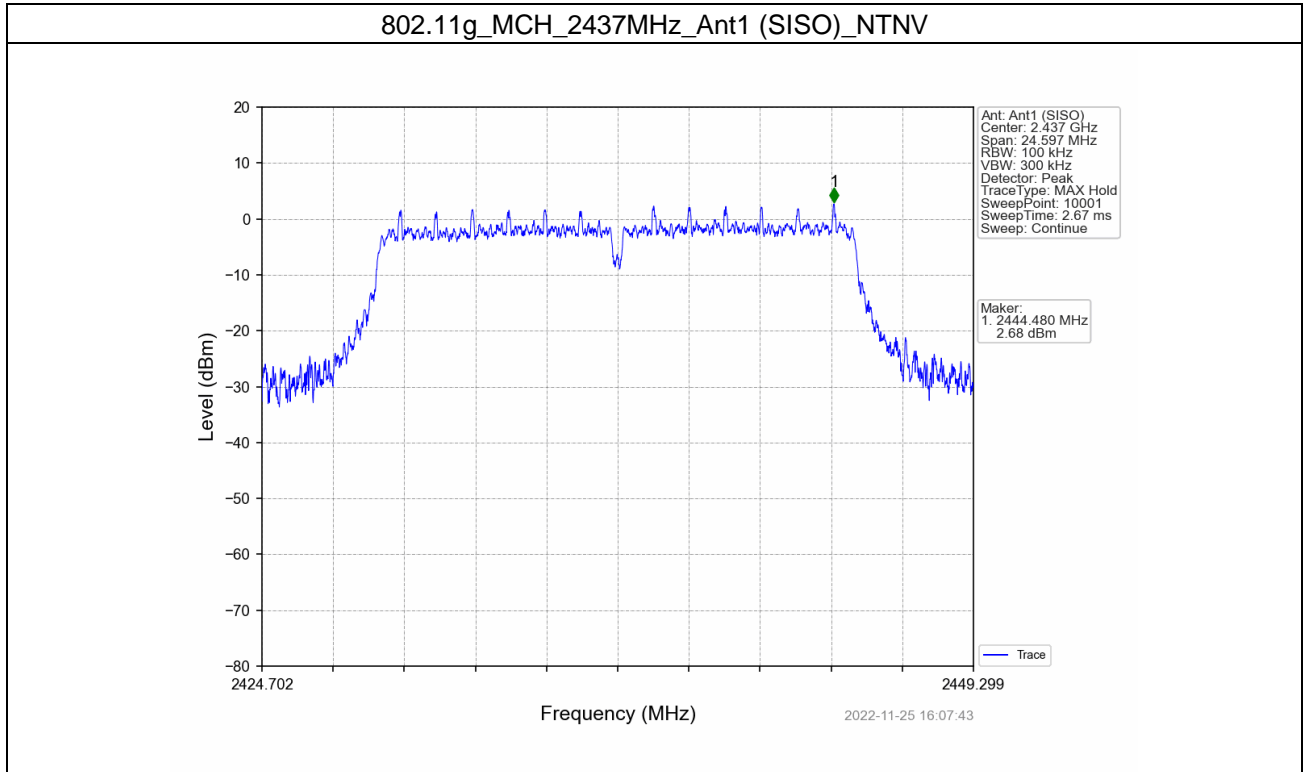


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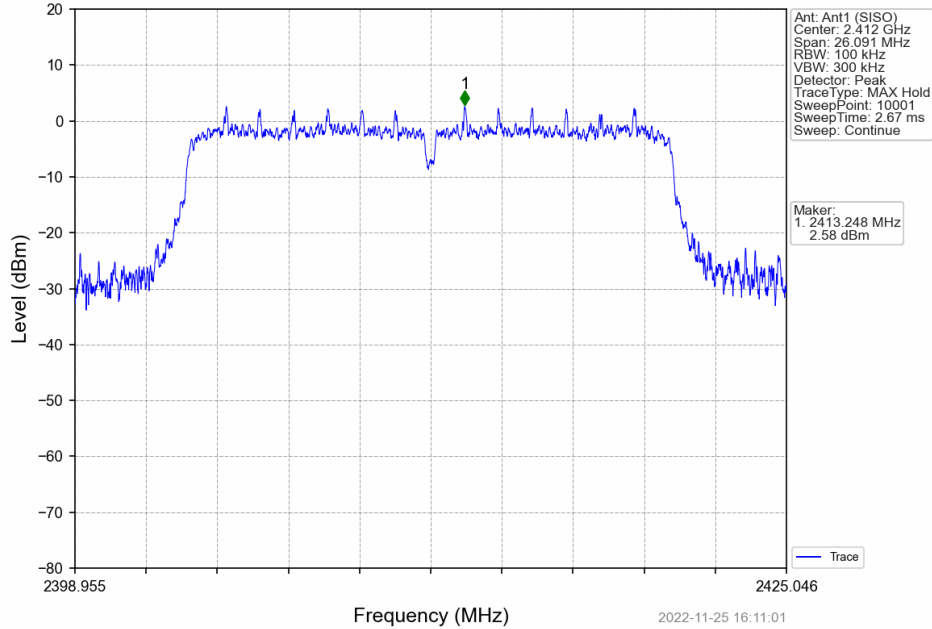


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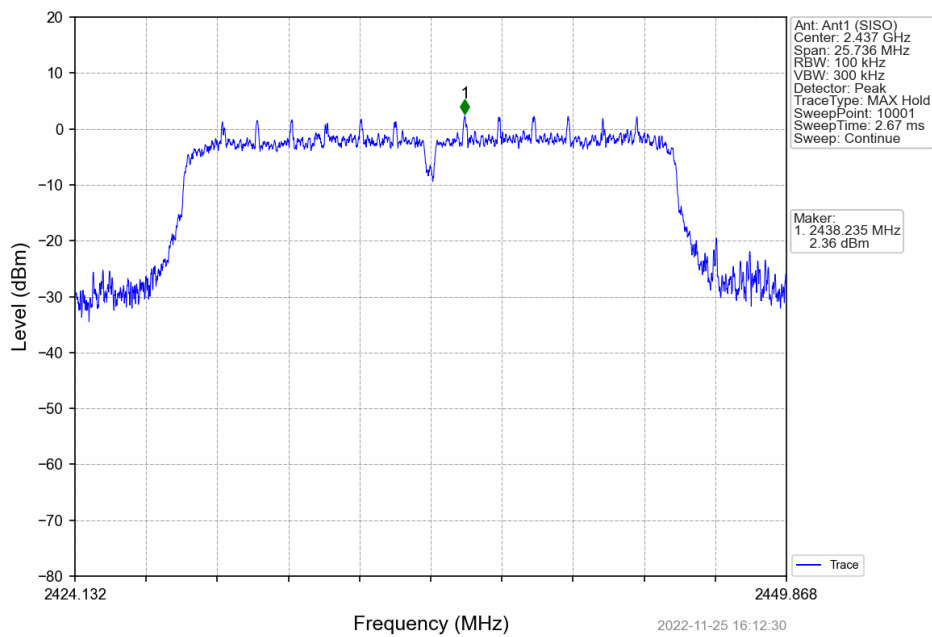


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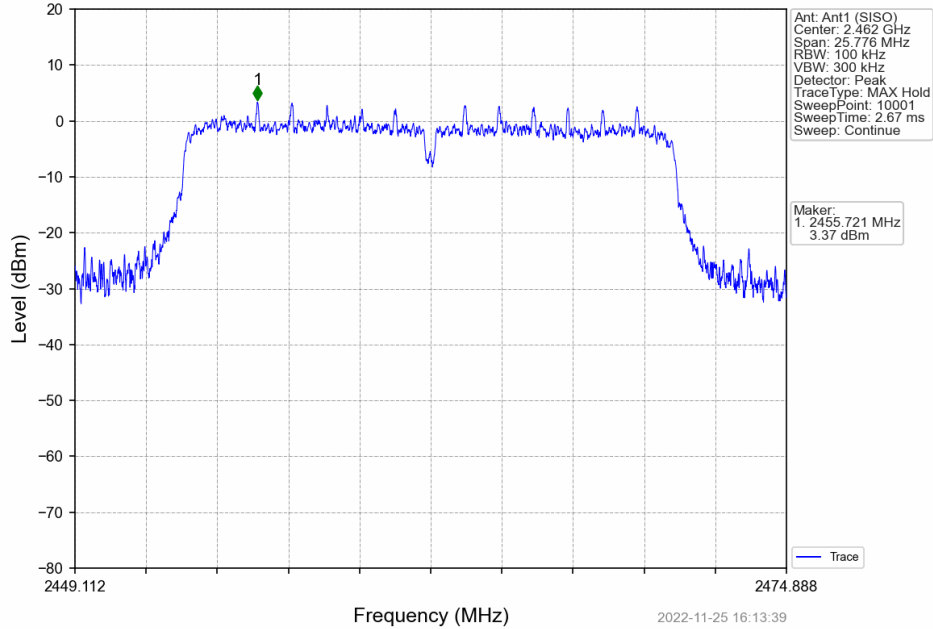


802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV

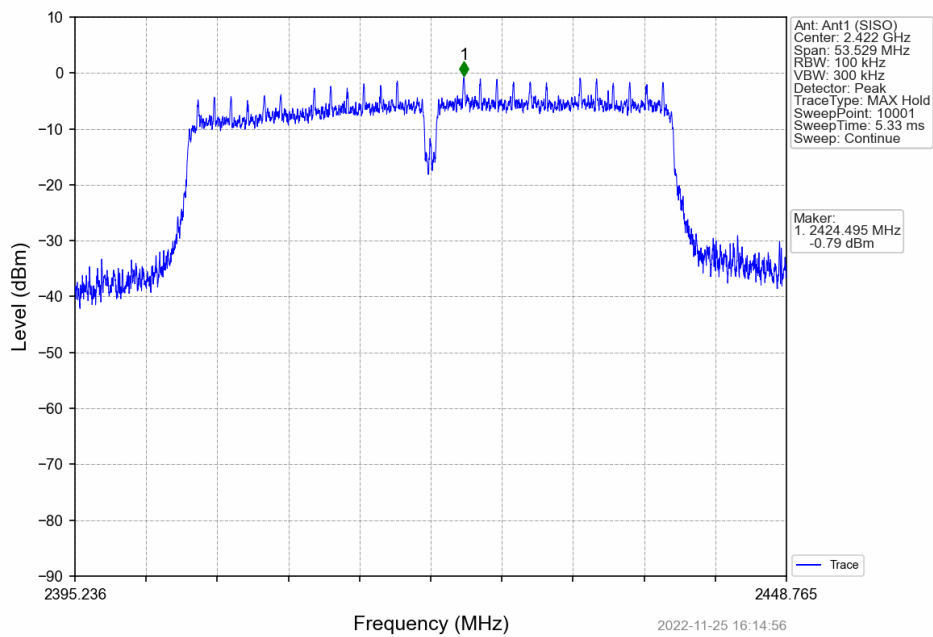


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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



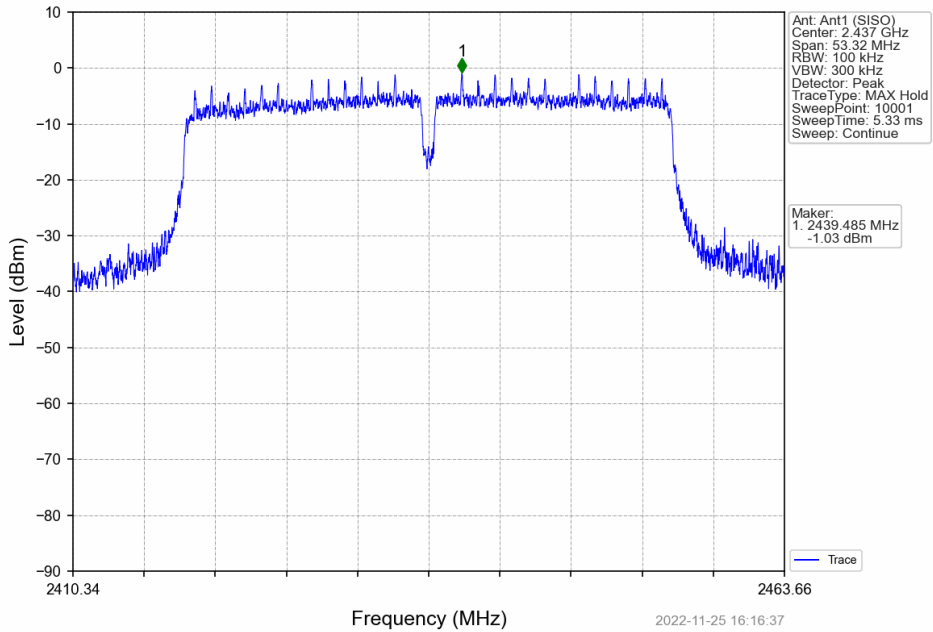
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



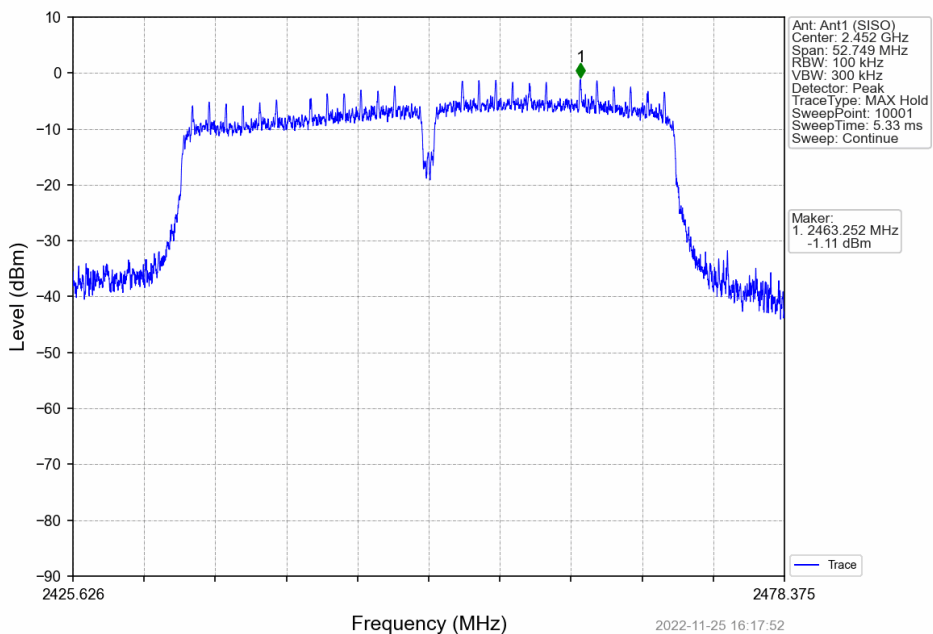
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802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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

Report No.: FYCR221100047304

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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 | 6.18 | -23.82 | Pass |
| | | 2437 | 1 | 6.18 | -23.82 | Pass |
| | | 2462 | 1 | 6.18 | -23.82 | Pass |
| 802.11g | SISO | 2412 | 1 | 3.28 | -26.72 | Pass |
| | | 2437 | 1 | 3.28 | -26.72 | Pass |
| | | 2462 | 1 | 3.28 | -26.72 | Pass |
| 802.11n (HT20) | SISO | 2412 | 1 | 3.37 | -26.63 | Pass |
| | | 2437 | 1 | 3.37 | -26.63 | Pass |
| | | 2462 | 1 | 3.37 | -26.63 | Pass |
| 802.11n (HT40) | SISO | 2422 | 1 | -0.79 | -30.79 | Pass |
| | | 2437 | 1 | -0.79 | -30.79 | Pass |
| | | 2452 | 1 | -0.79 | -30.79 | 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.

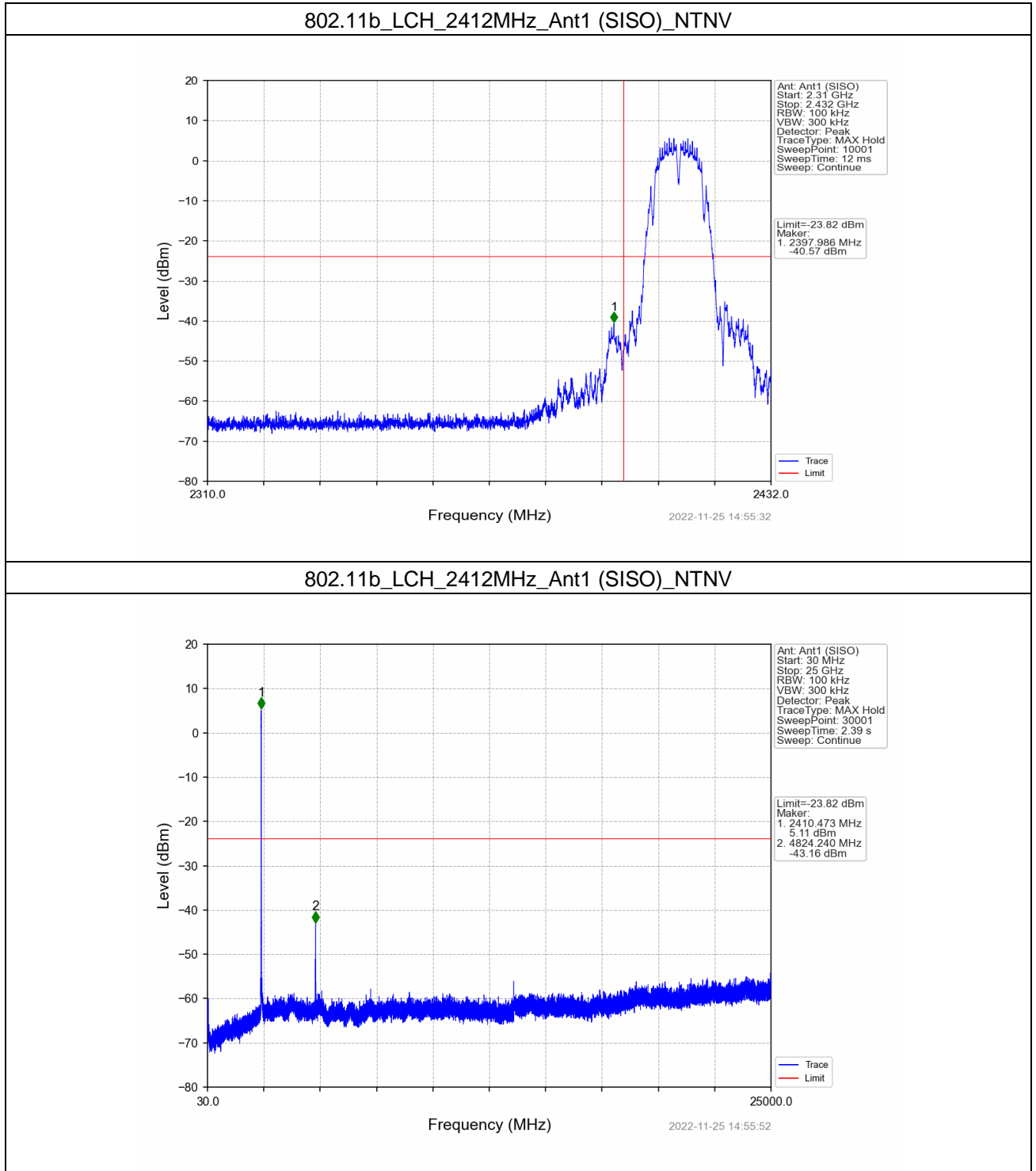
Note2: RBW = 1MHz was used during the pre-test. The final test will be performed at RBW=100kHz while the margin is less than 3dB.



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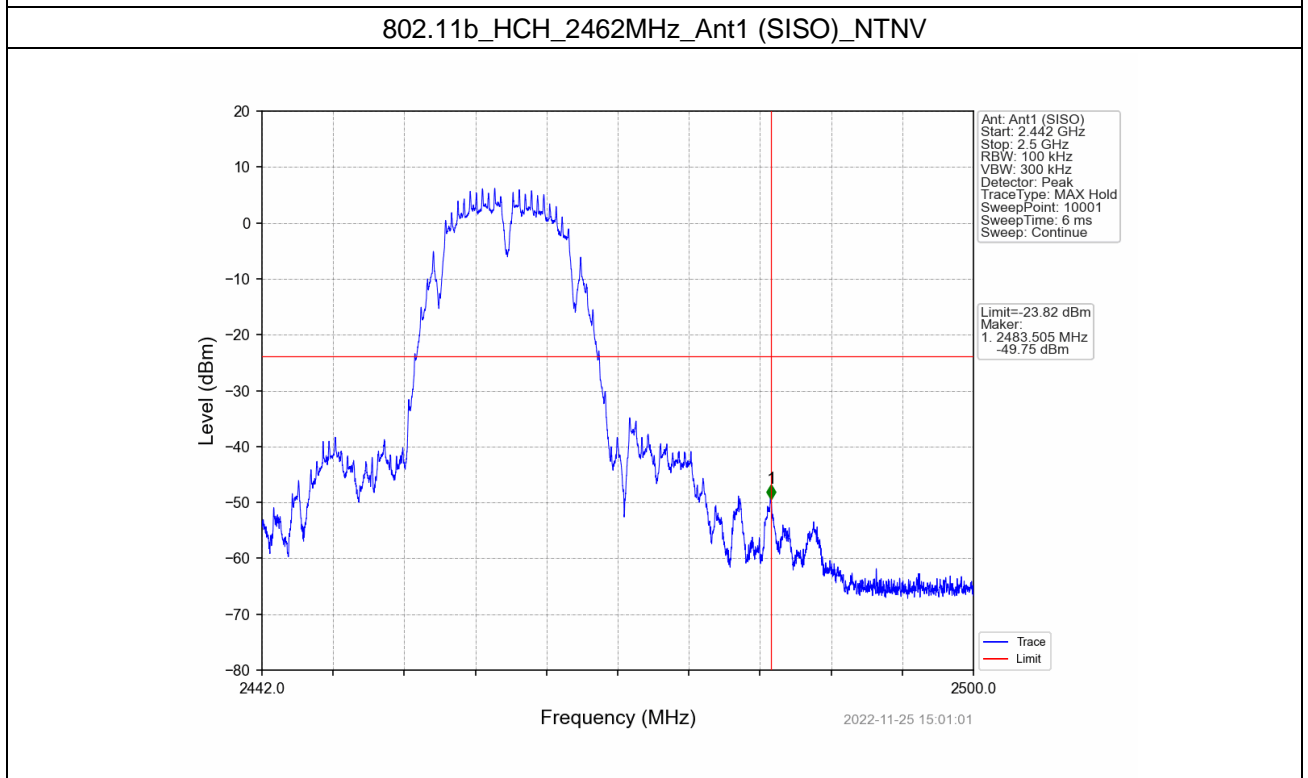
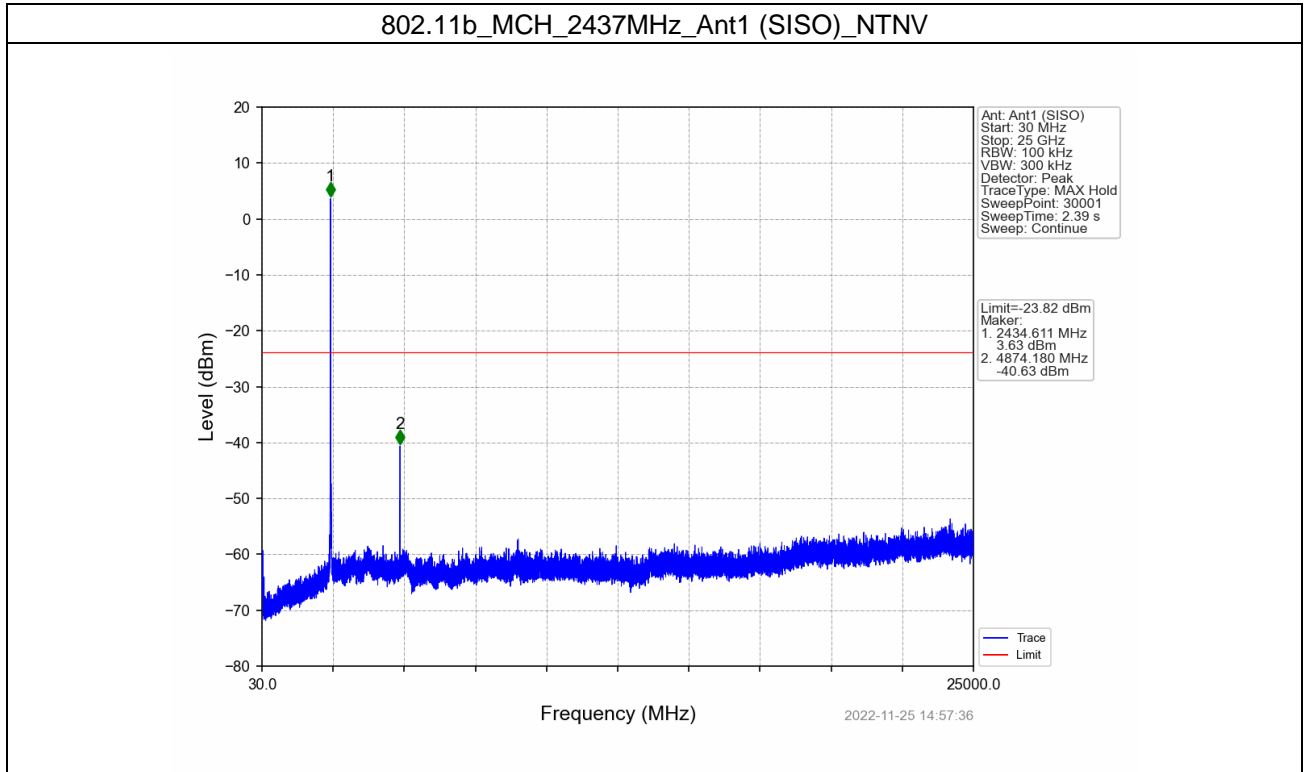
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5.2.2 Test Graph



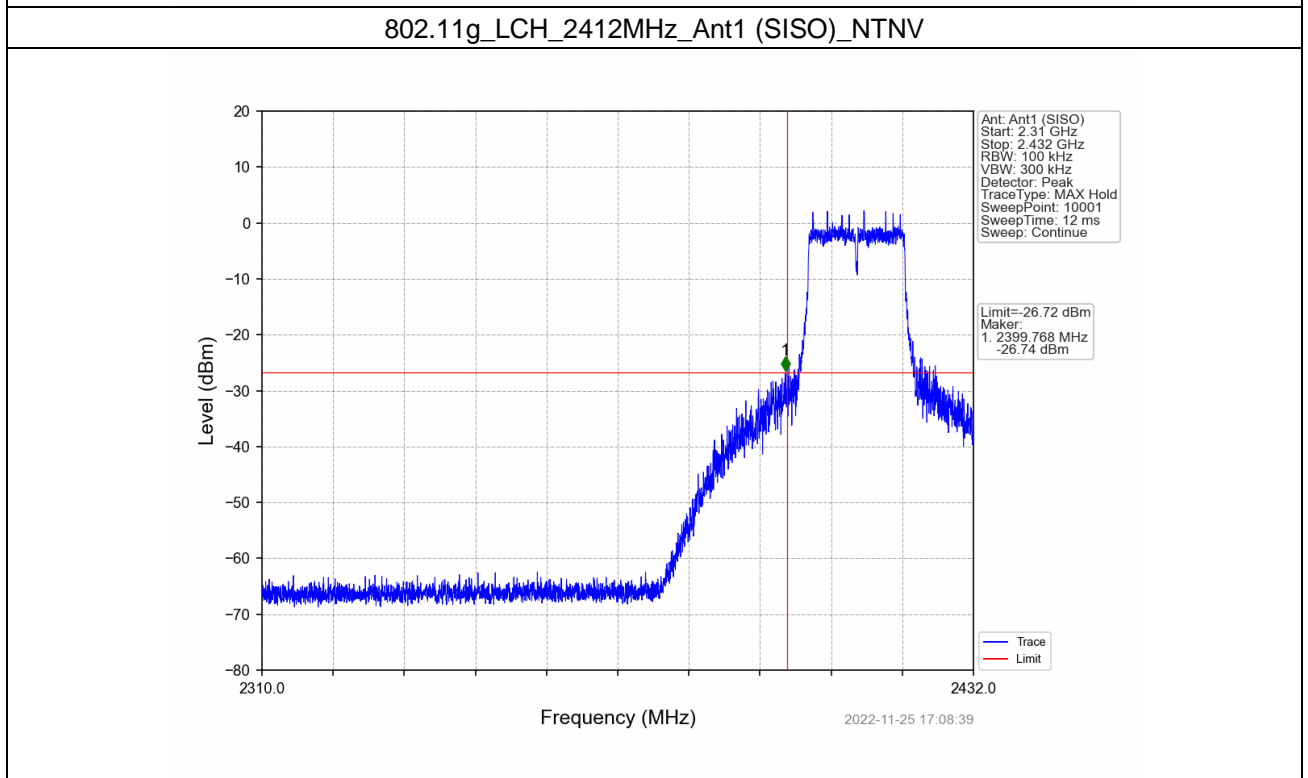
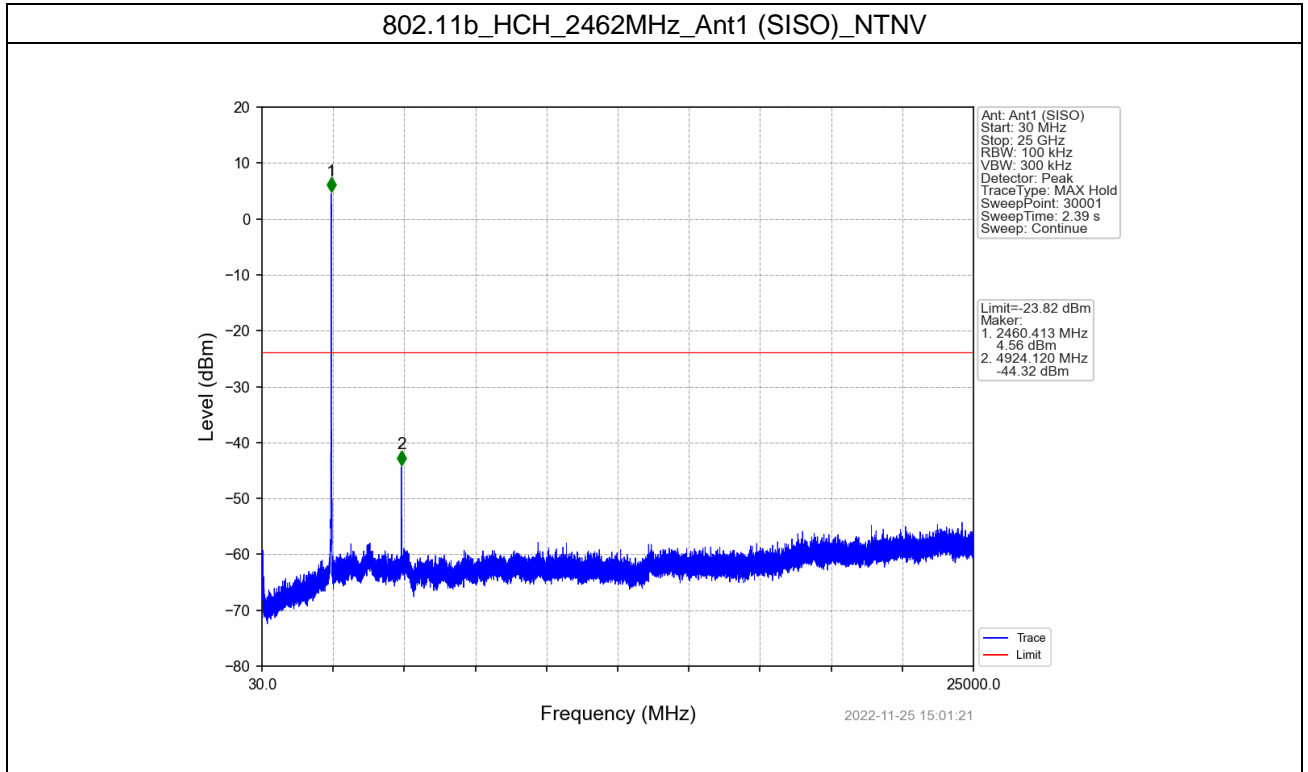
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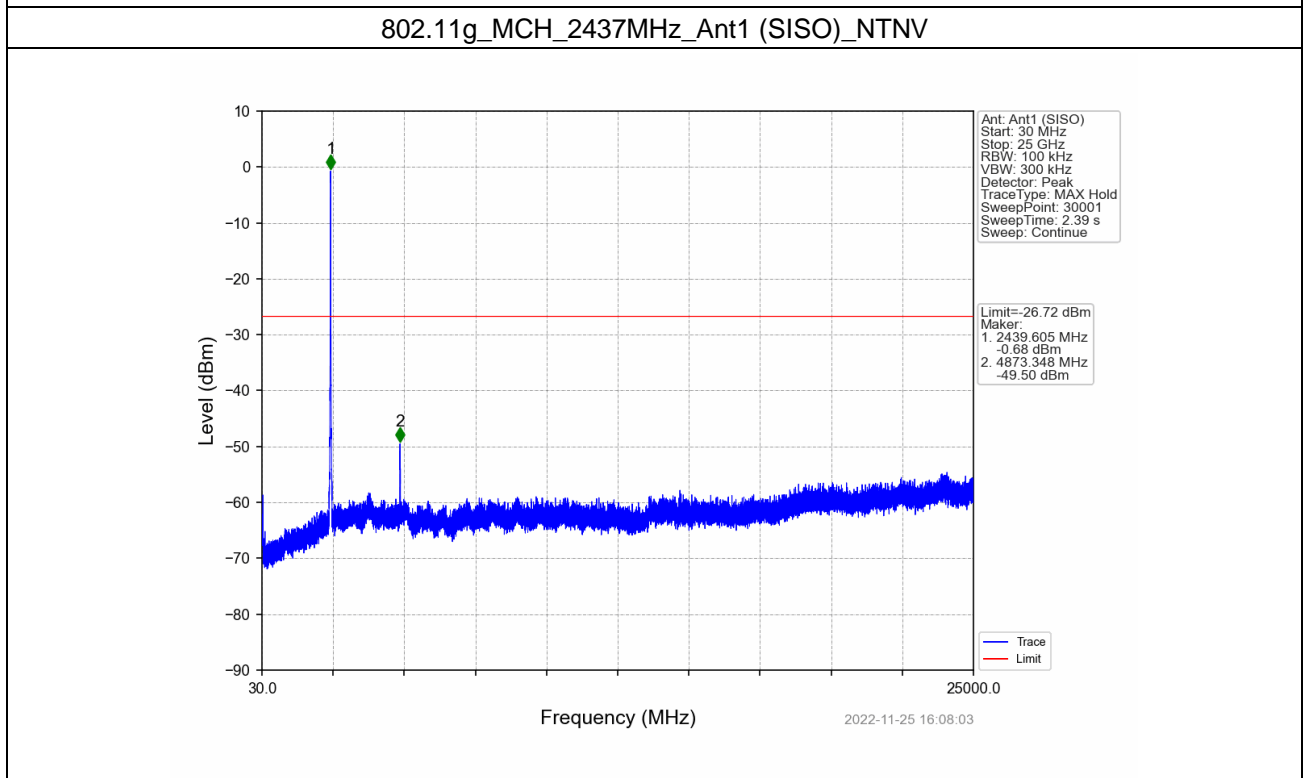
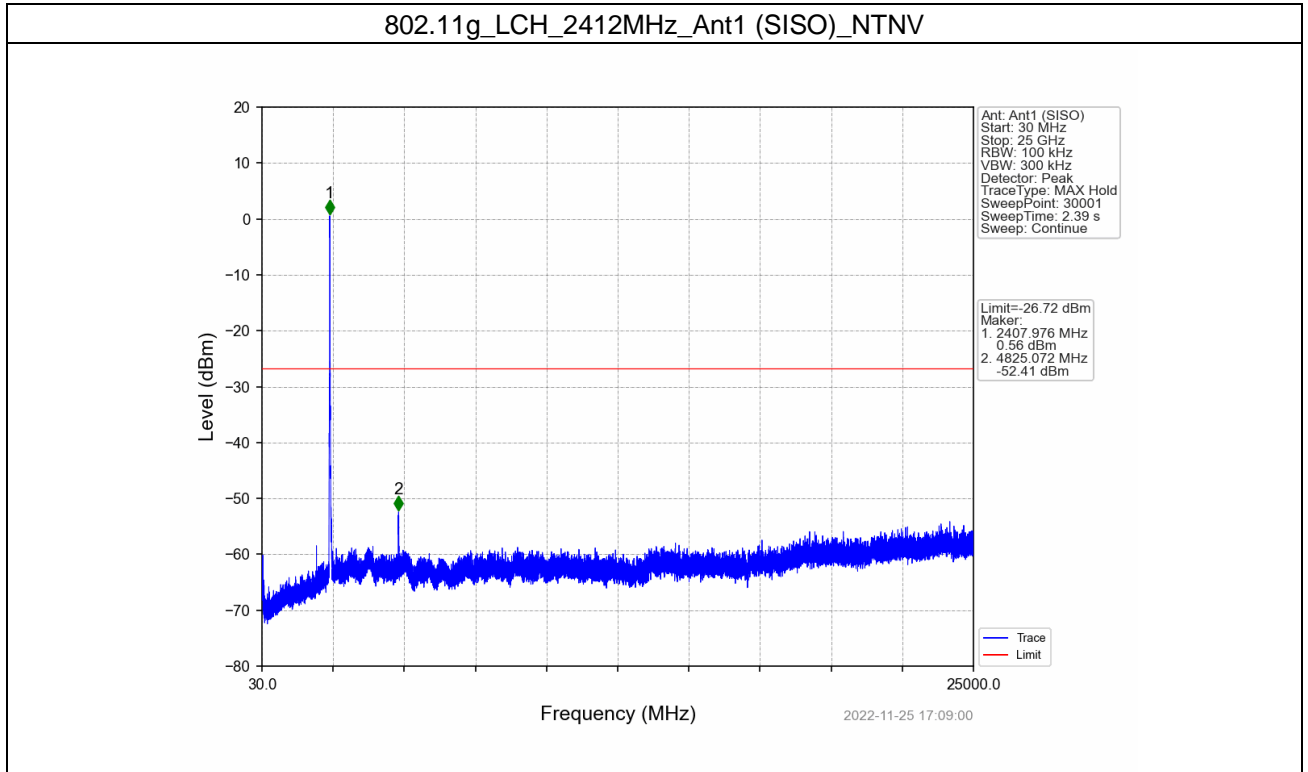


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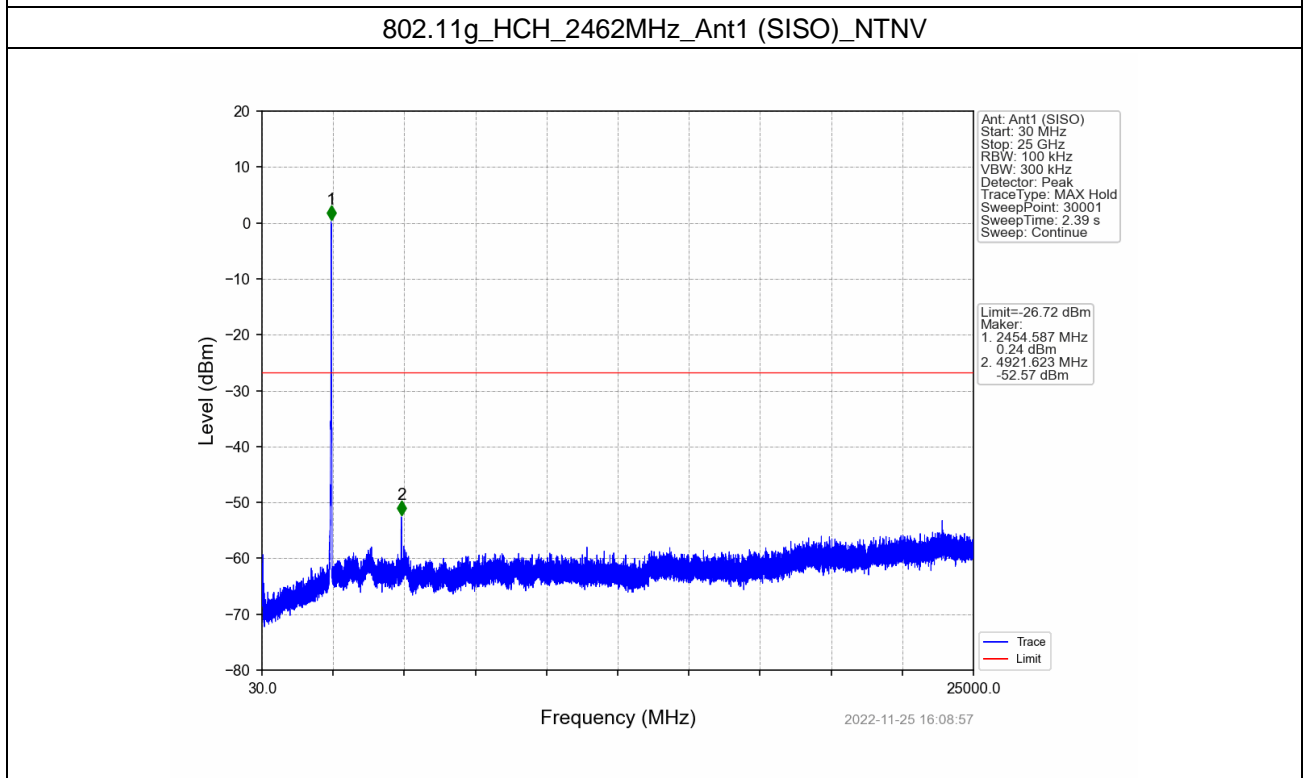
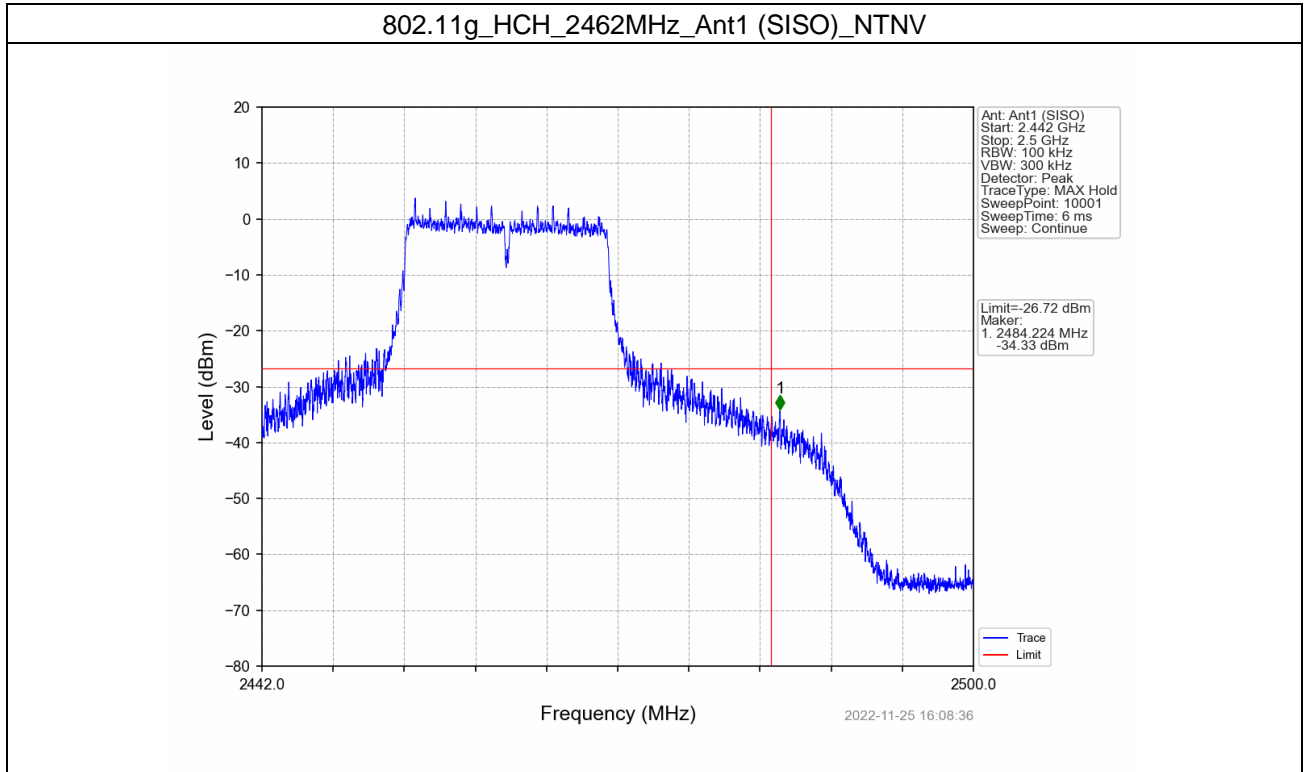


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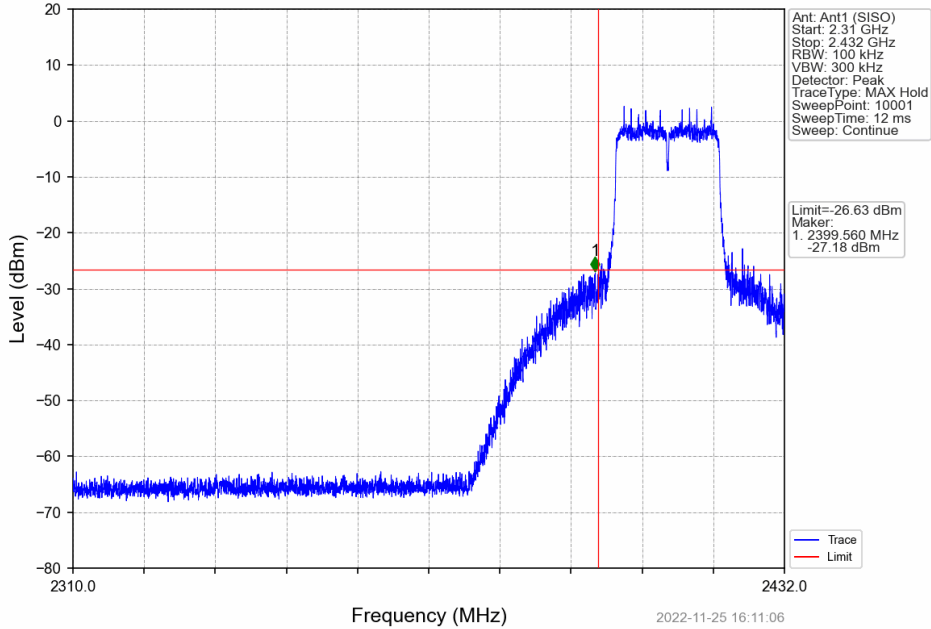
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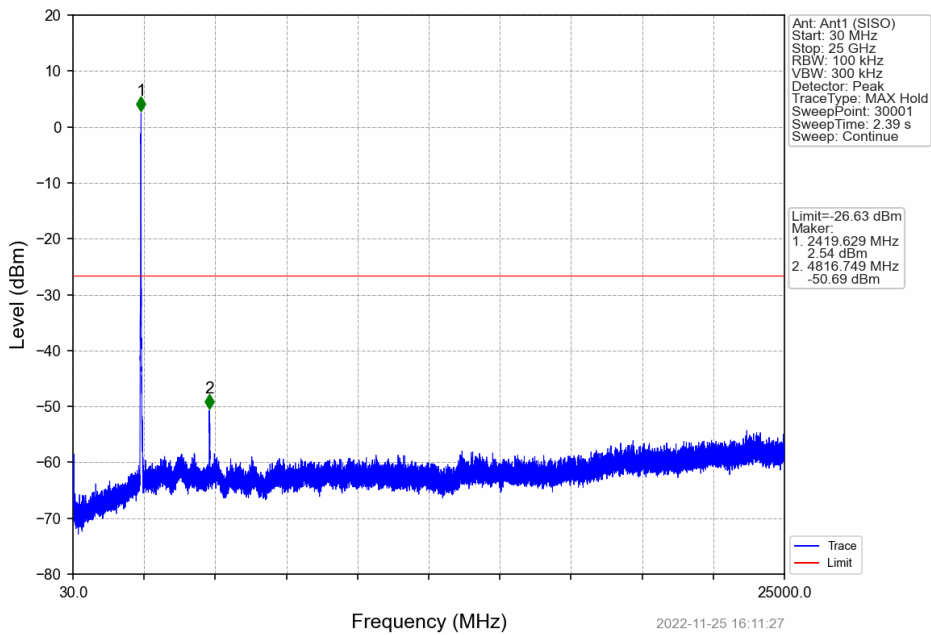


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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV

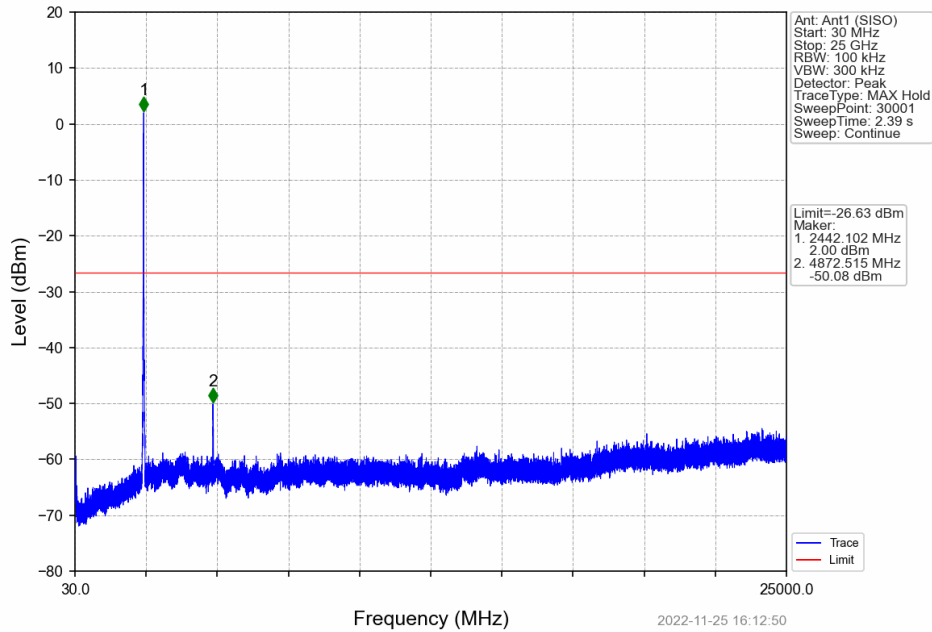


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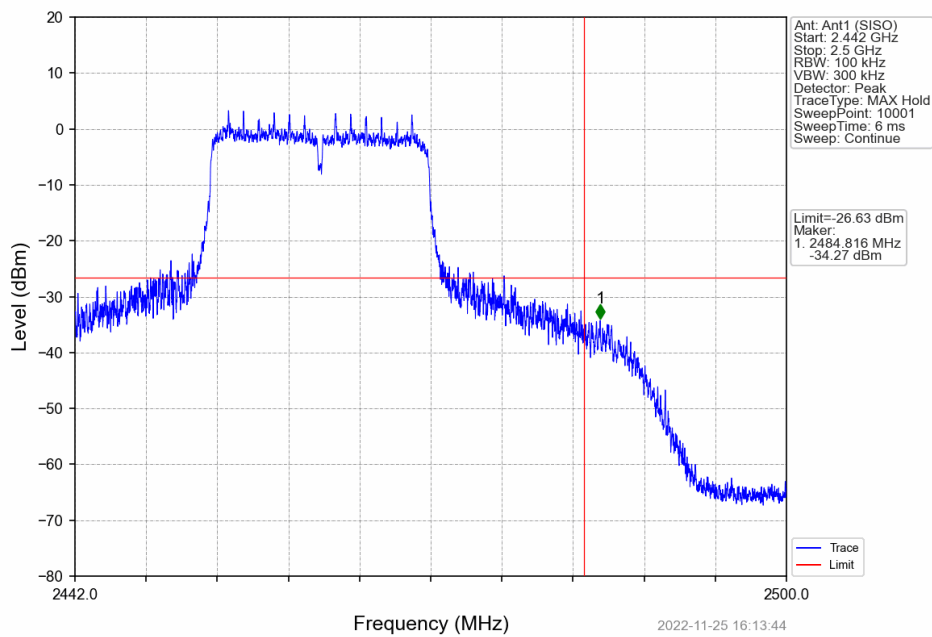


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802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV

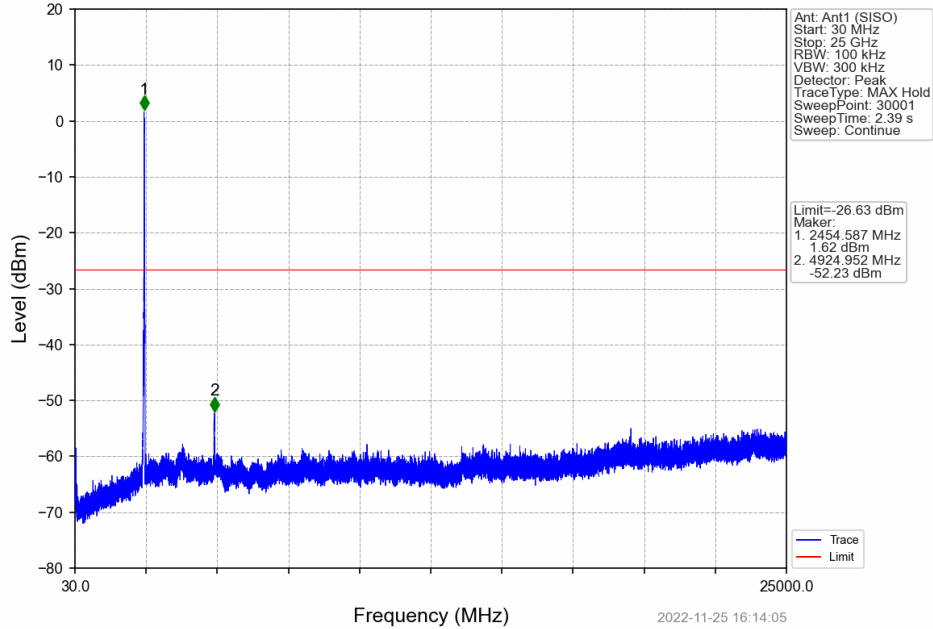


802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV

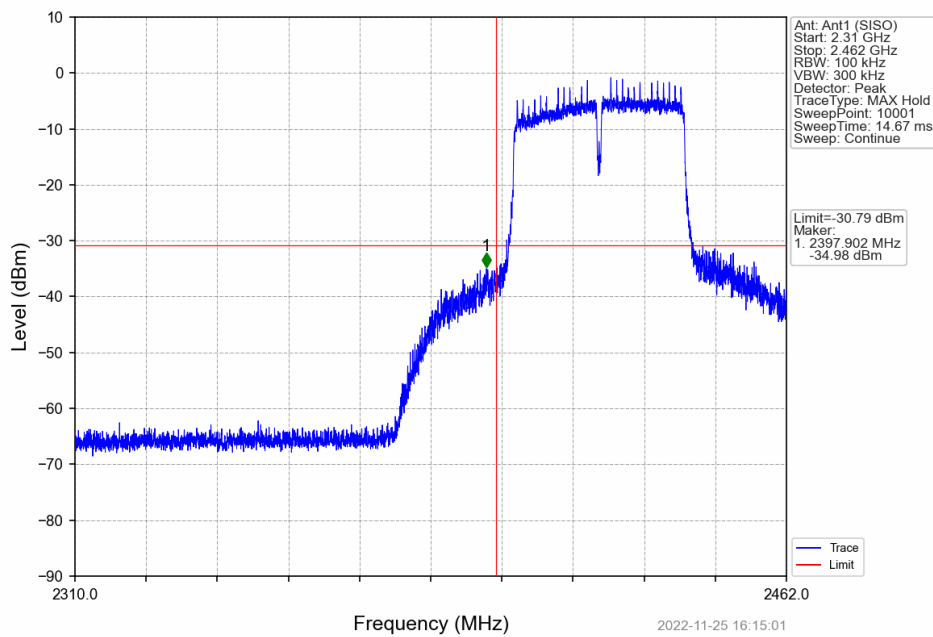


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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



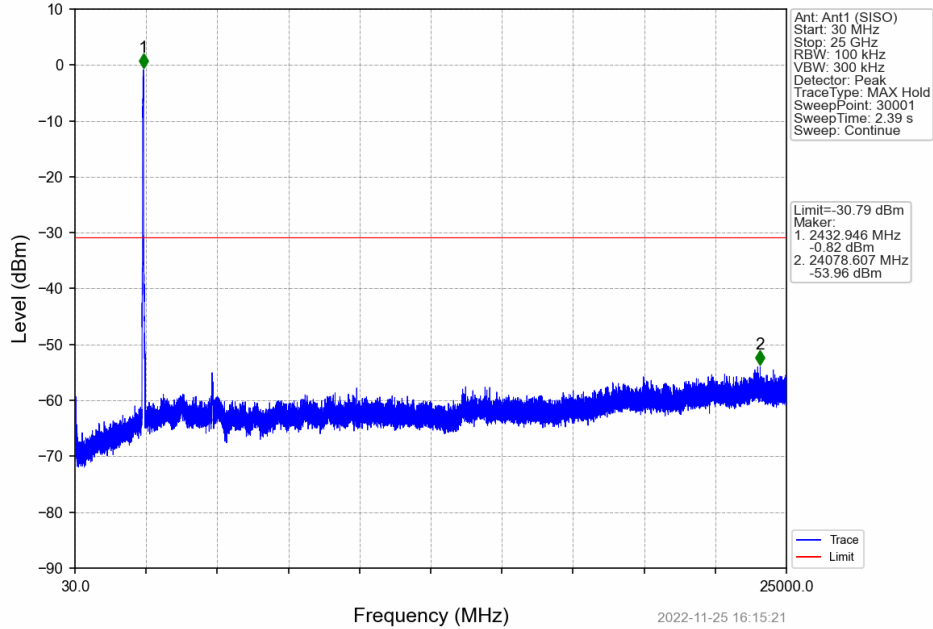
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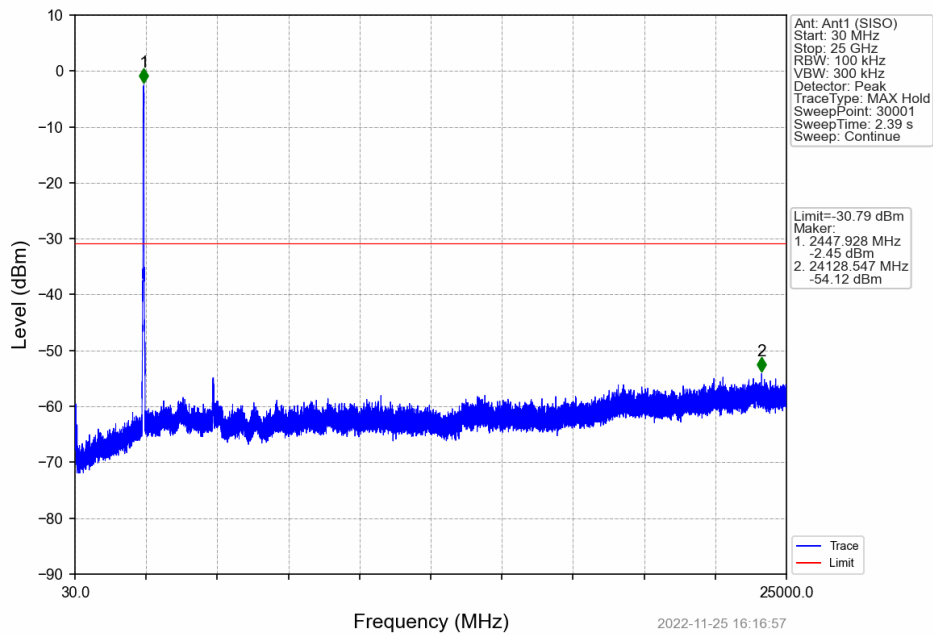
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802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV

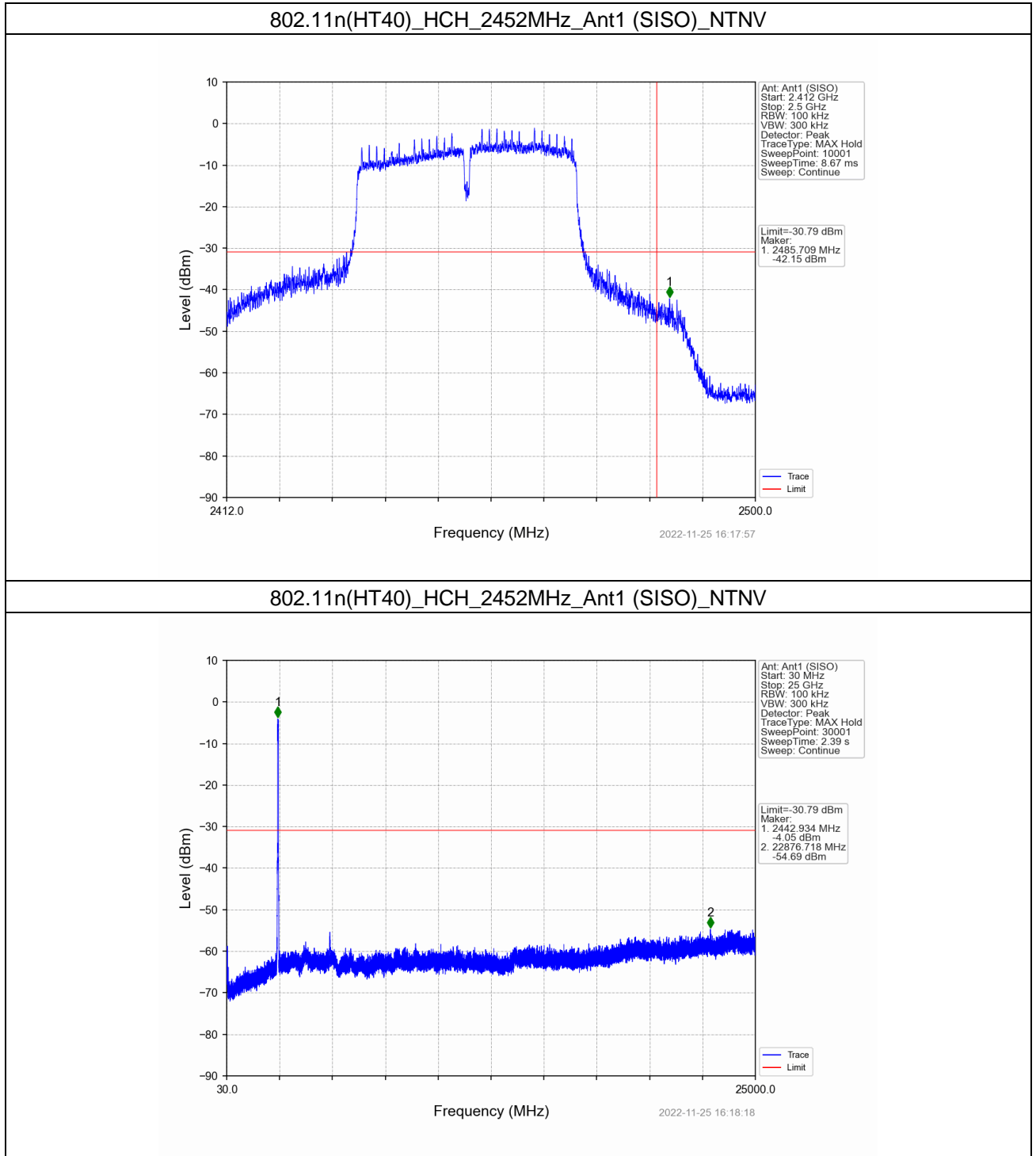


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