

Appendix Test Data

| | | | |
|----------------|-----------------|--------------------|-------------------|
| Report No.: | 18220WC10109303 | Test Date: | 2021.7.9 |
| Test Engineer: | <i>Jony He</i> | Auditor: | <i>Edward Pan</i> |
| Temperature: | 24.3°C | Relative Humidity: | 56.3% |
| Pressure: | 1012 hPa | | |

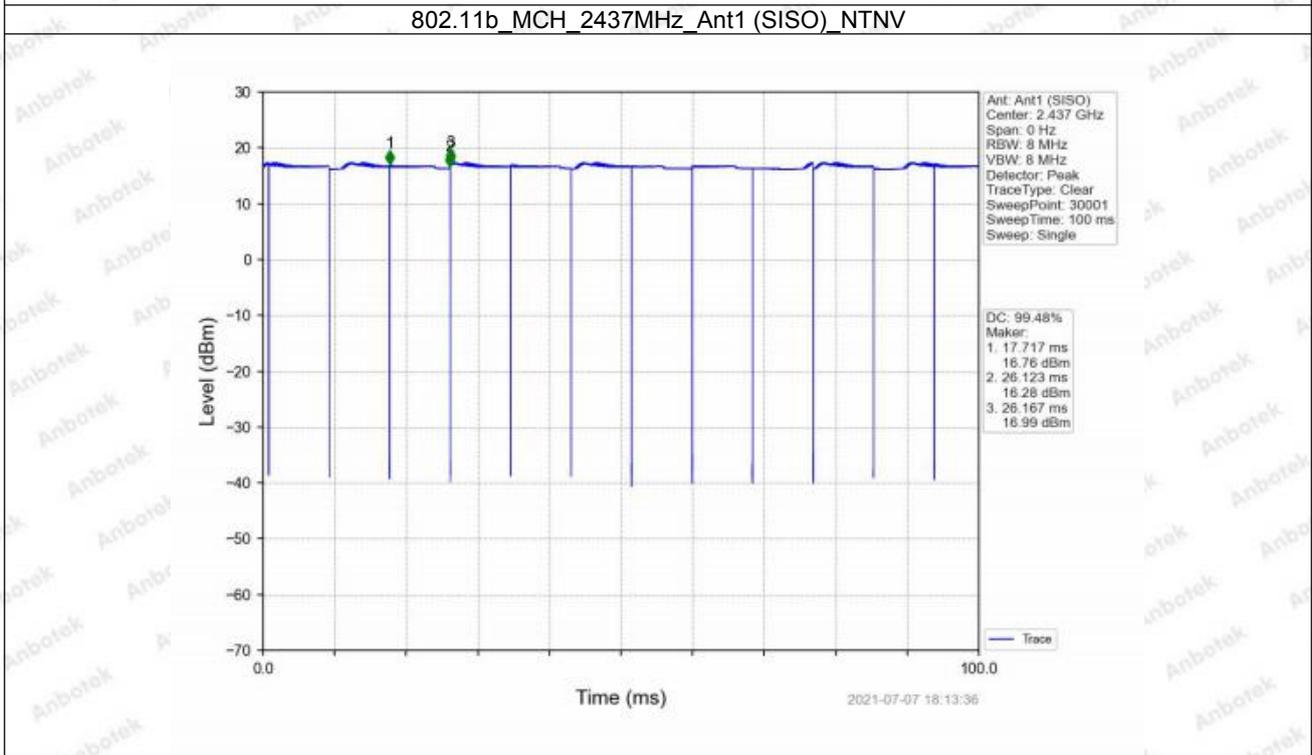
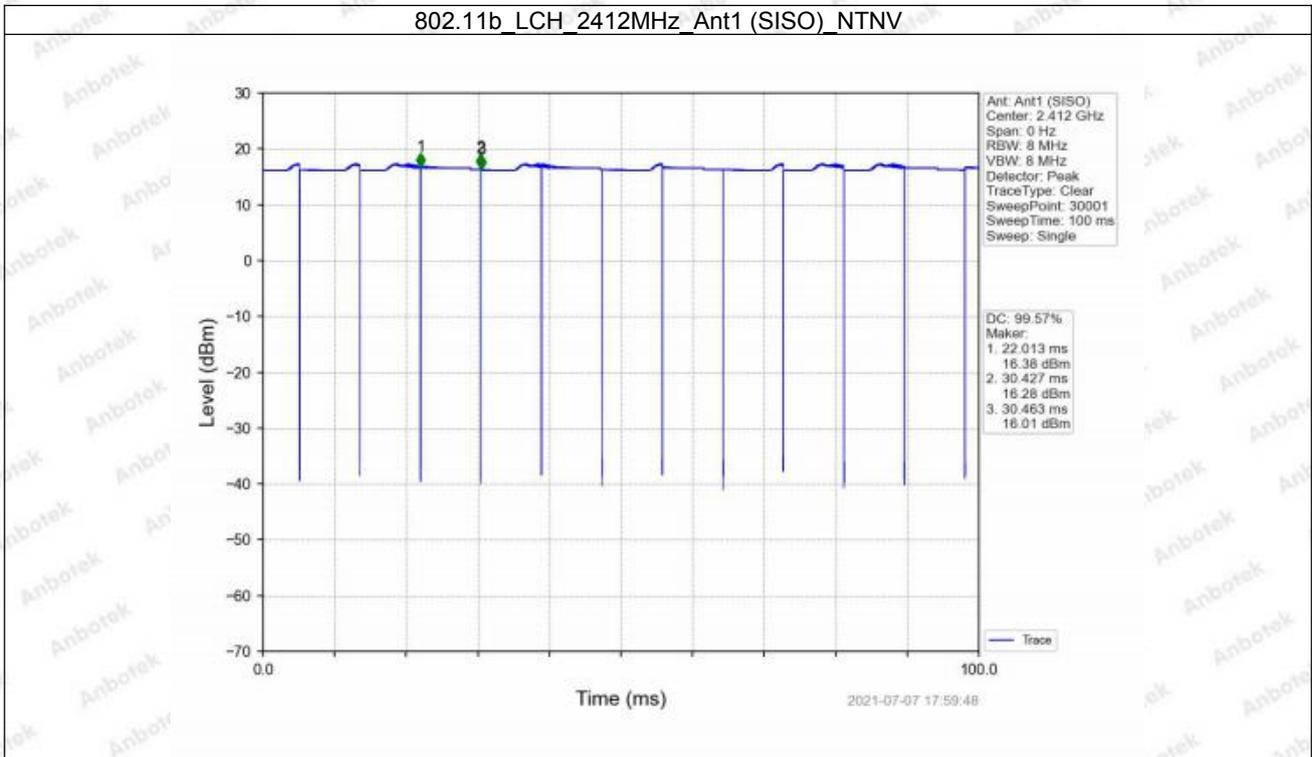
1. Duty Cycle

1.1 Ant1

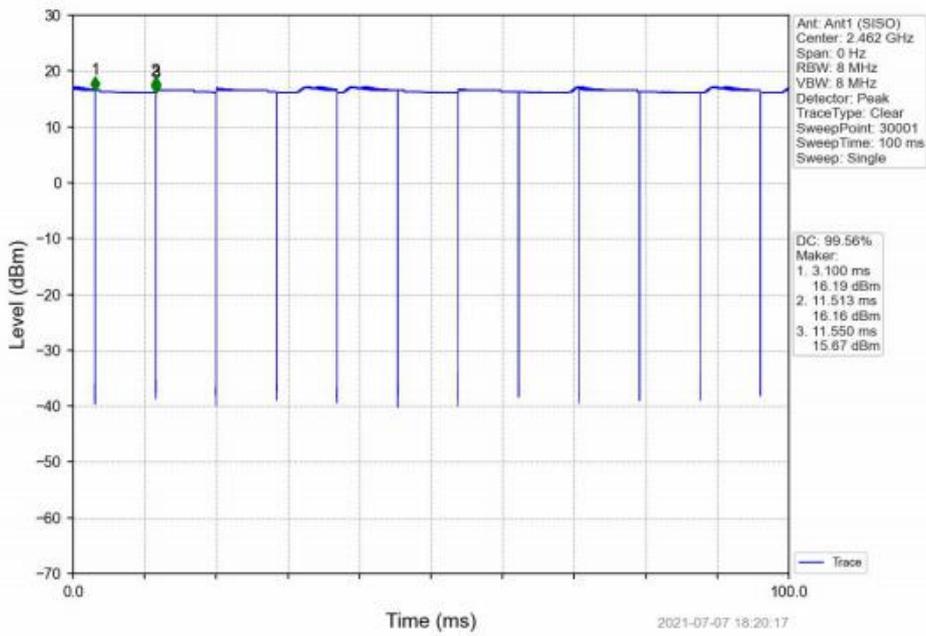
1.1.1 Test Result

| 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 | 8.41 | 8.45 | 99.57 | 0.02 | 0.04 |
| | | 2437 | 8.41 | 8.45 | 99.48 | 0.02 | 0.04 |
| | | 2462 | 8.41 | 8.45 | 99.56 | 0.02 | 0.04 |
| 802.11g | SISO | 2412 | 66.38 | 66.71 | 99.50 | 0.02 | 0.00 |
| | | 2437 | 47.31 | 47.64 | 99.31 | 0.03 | 0.00 |
| | | 2462 | 1.39 | 1.44 | 97.08 | 0.13 | 0.03 |
| 802.11n (HT20) | MIMO | 2412 | 1.30 | 1.35 | 96.88 | 0.14 | 0.03 |
| | | 2437 | 1.31 | 1.35 | 97.03 | 0.13 | 0.03 |
| | | 2462 | 1.31 | 1.35 | 97.03 | 0.13 | 0.03 |
| 802.11n (HT40) | MIMO | 2422 | 0.65 | 0.69 | 94.19 | 0.26 | 0.03 |
| | | 2437 | 0.65 | 0.69 | 94.18 | 0.26 | 0.03 |
| | | 2452 | 0.65 | 0.69 | 94.19 | 0.26 | 0.07 |

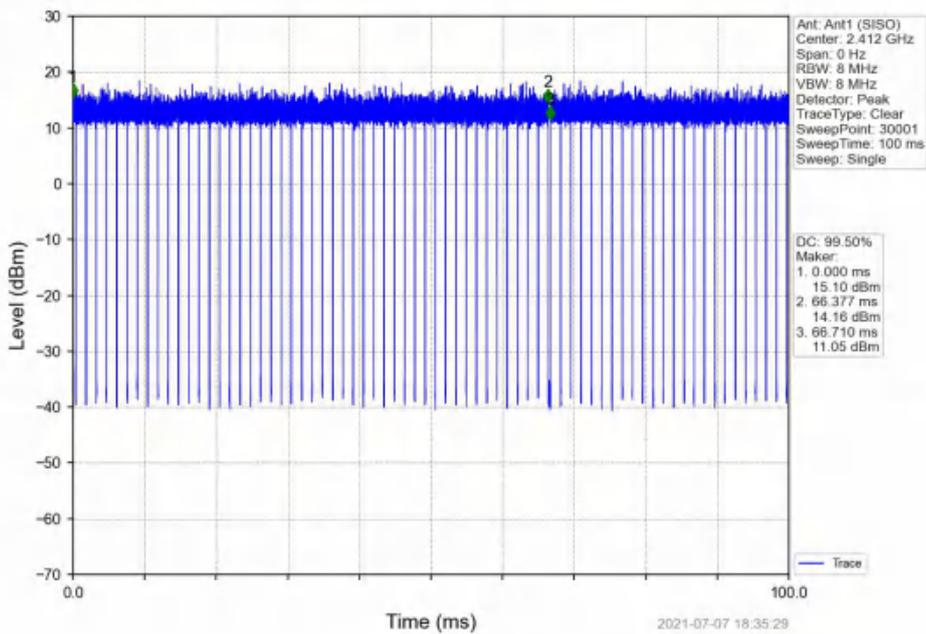
1.1.2 Test Graph



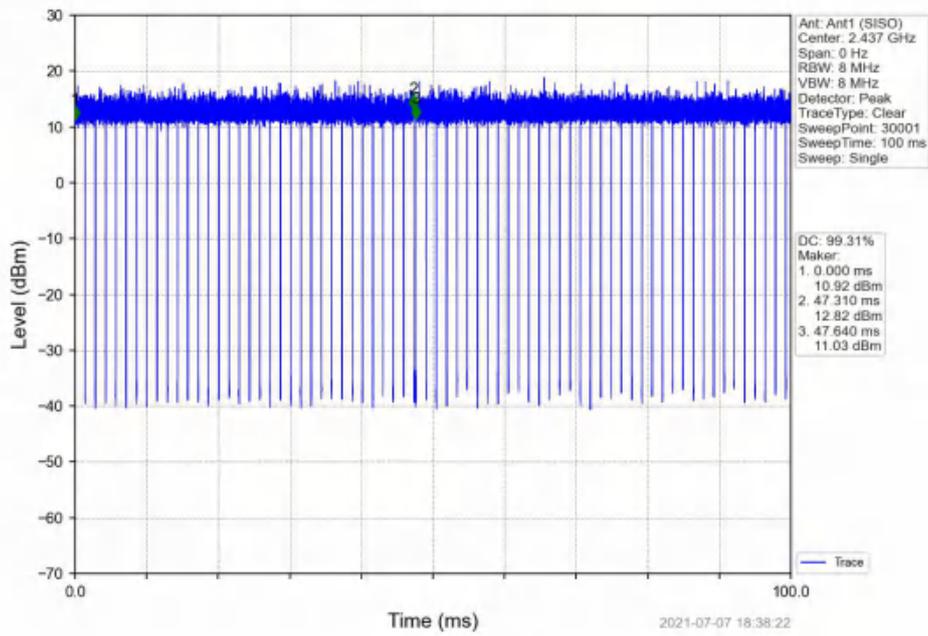
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



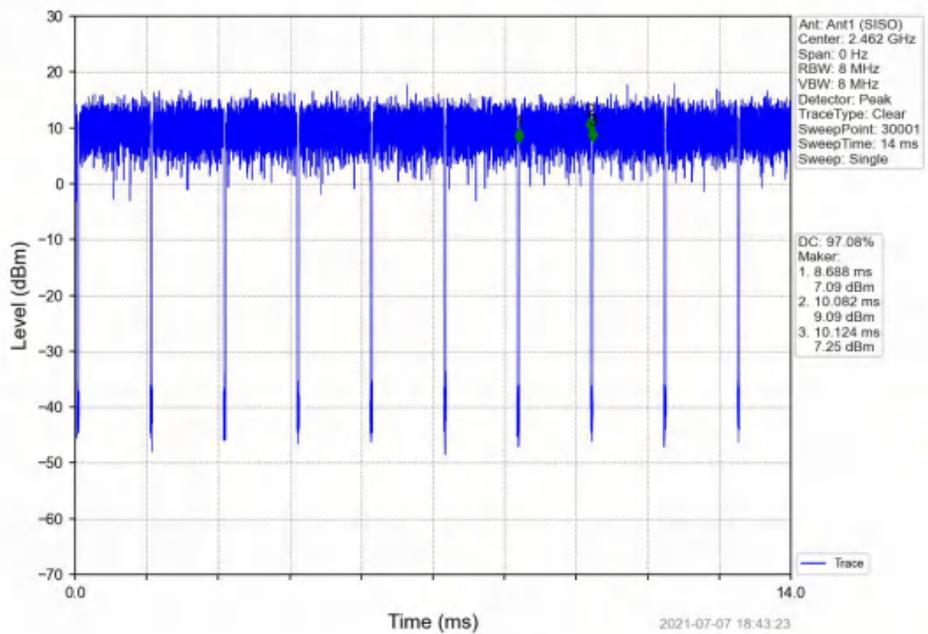
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



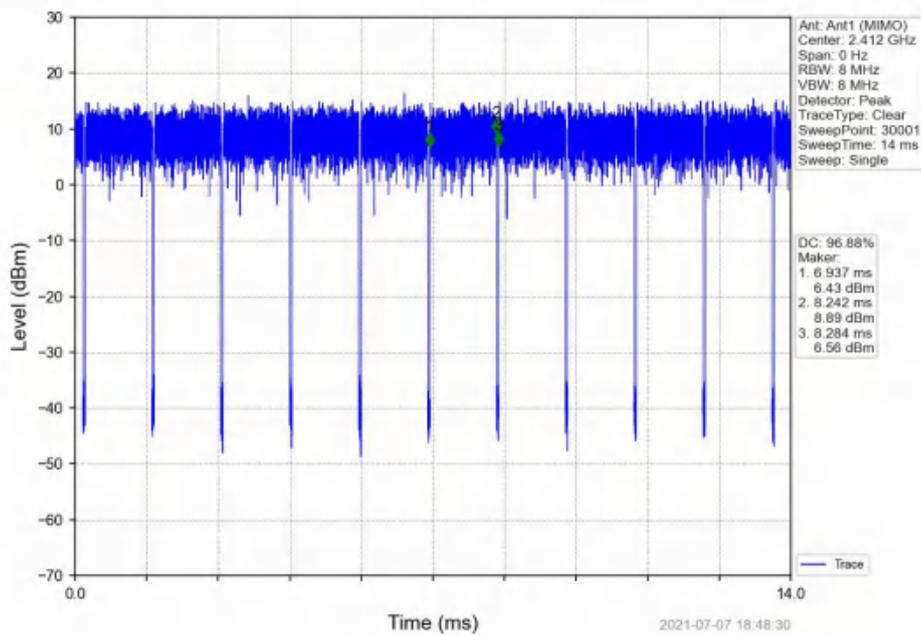
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



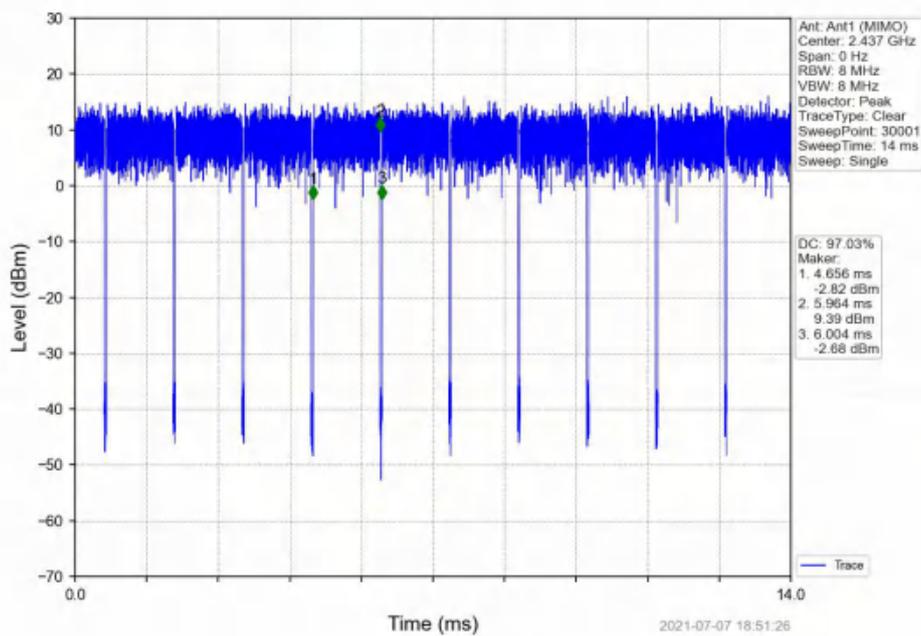
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



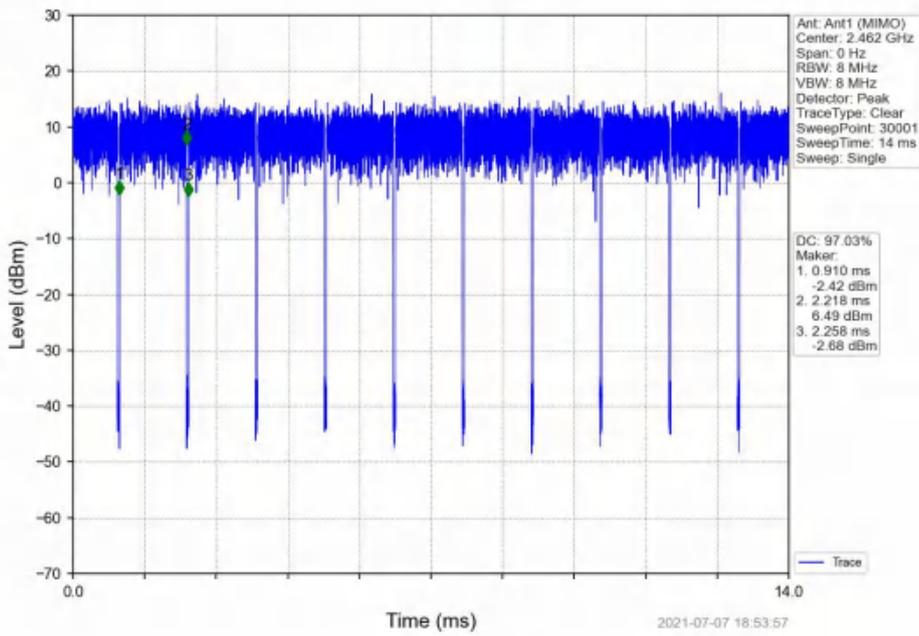
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



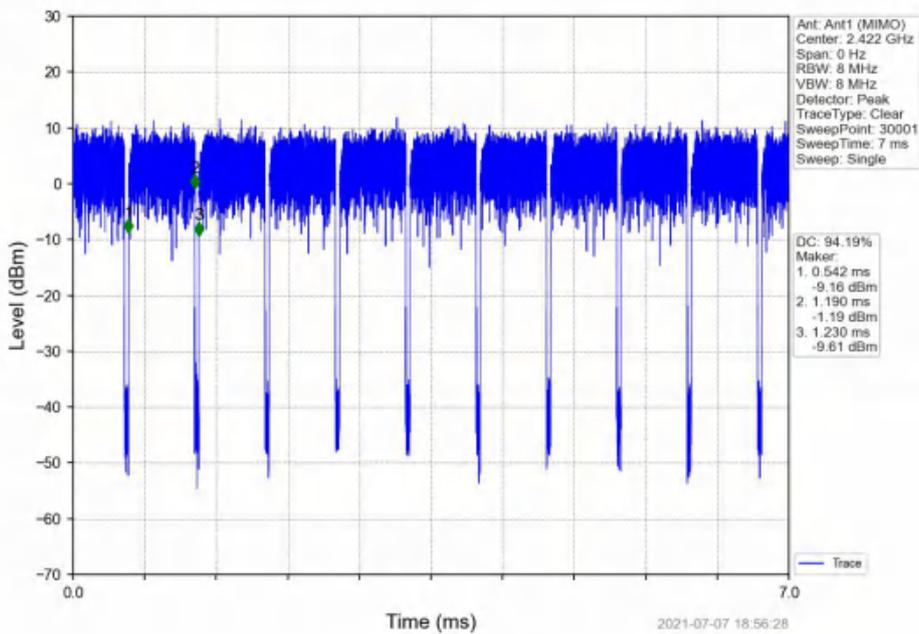
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



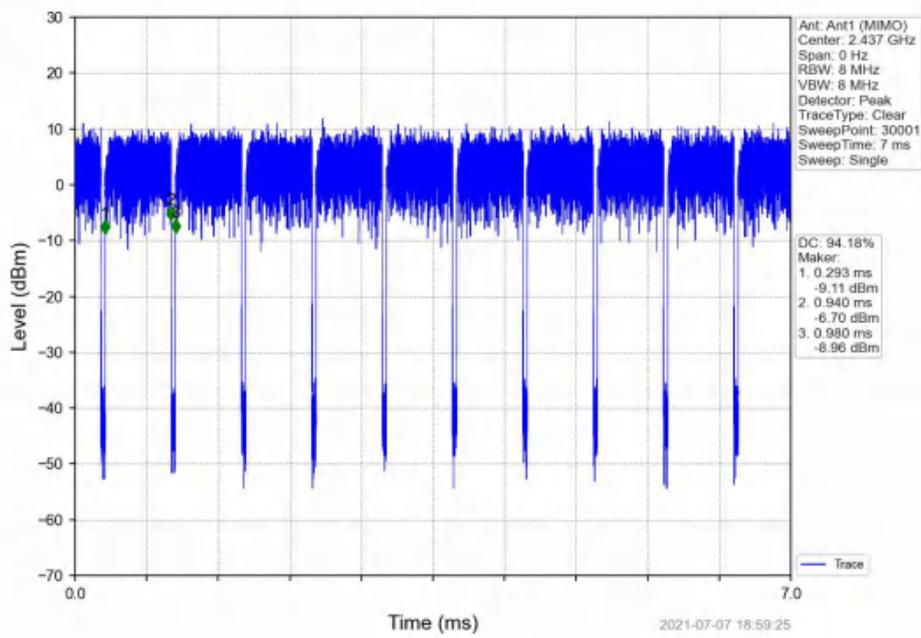
802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



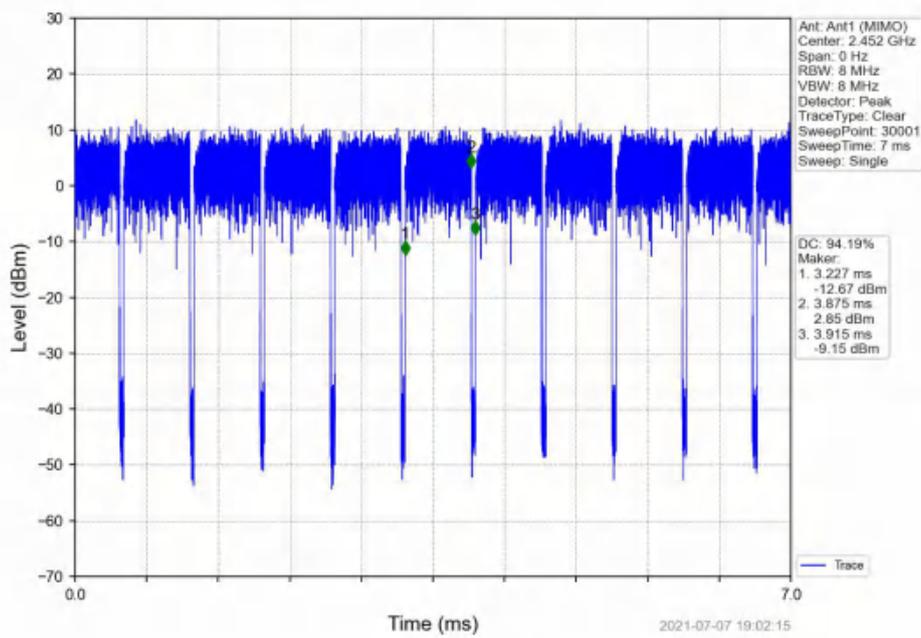
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



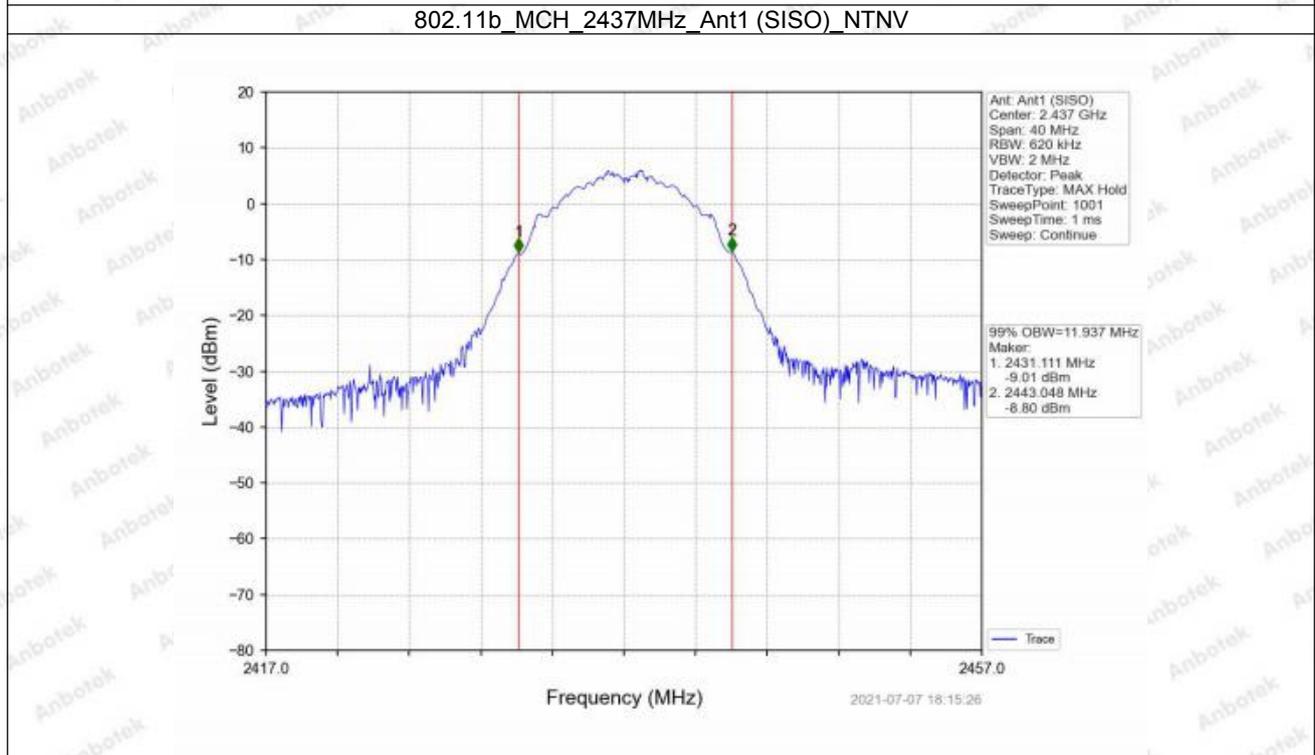
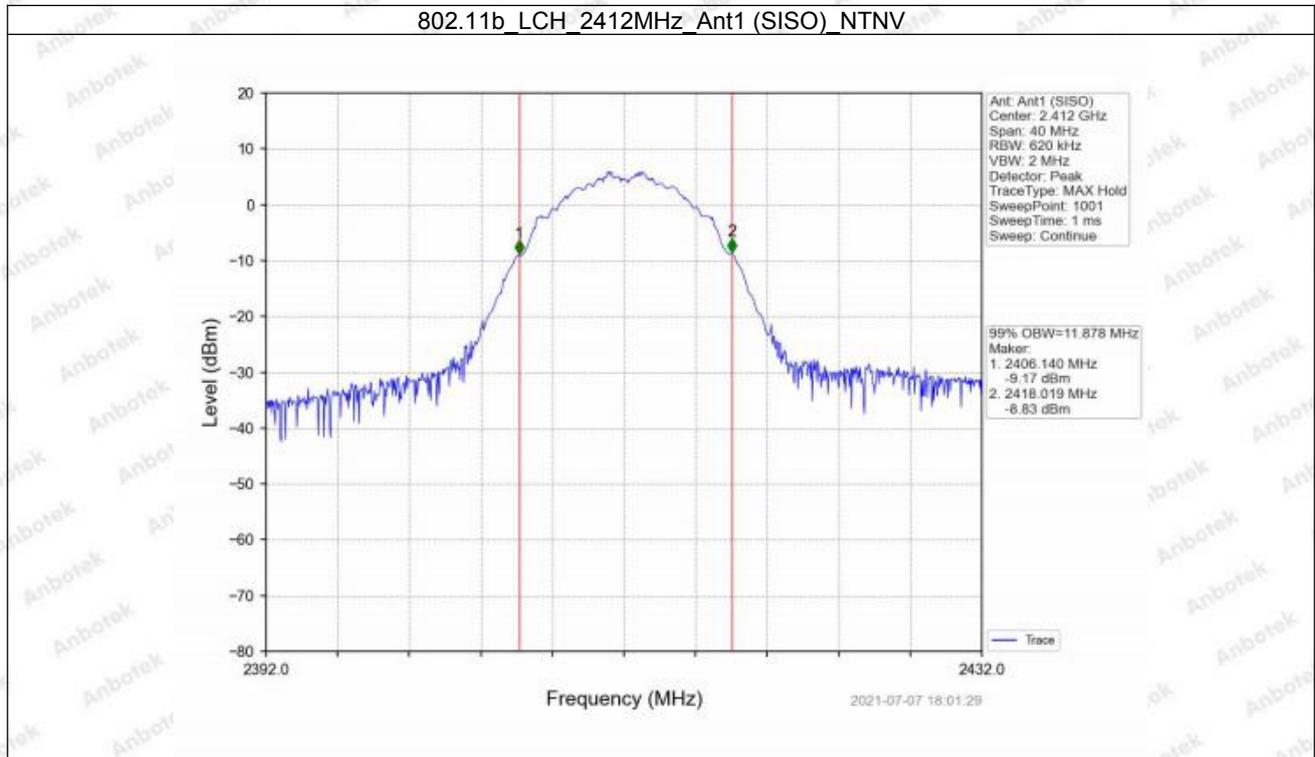
2. Bandwidth

2.1 OBW

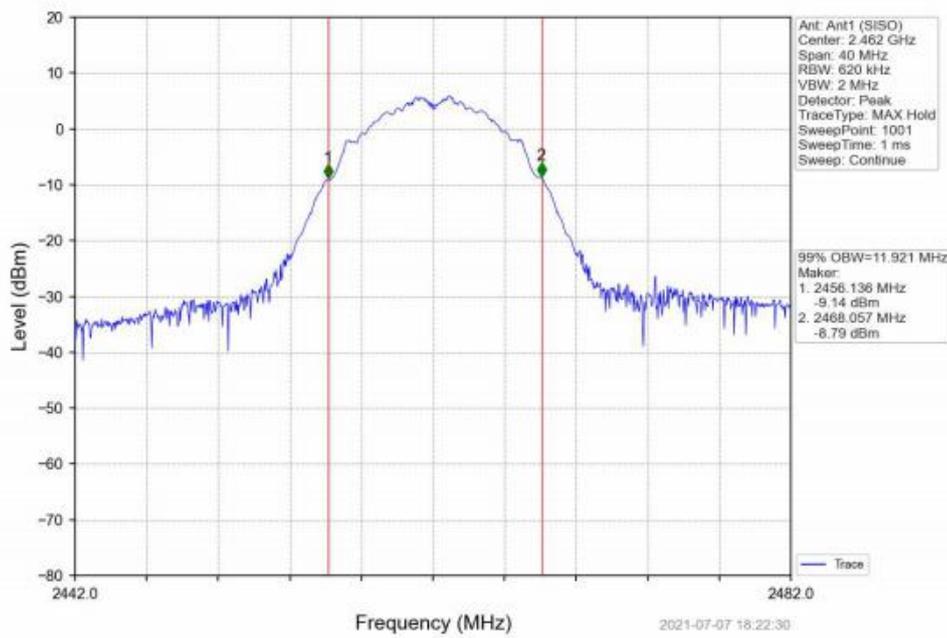
2.1.1 Test Result

| Mode | TX Type | Frequency (MHz) | Ant | 99% Occupied Bandwidth (MHz) | Limit | Verdict |
|-------------------|---------|-----------------|-----|------------------------------|-------|---------|
| 802.11b | SISO | 2412 | 1 | 11.88 | / | Pass |
| | | 2437 | 1 | 11.94 | / | Pass |
| | | 2462 | 1 | 11.92 | / | Pass |
| 802.11g | SISO | 2412 | 1 | 17.97 | / | Pass |
| | | 2437 | 1 | 17.99 | / | Pass |
| | | 2462 | 1 | 18.04 | / | Pass |
| 802.11n (HT20) | MIMO | 2412 | 1 | 18.83 | / | Pass |
| | | 2437 | 1 | 18.84 | / | Pass |
| | | 2462 | 1 | 18.90 | / | Pass |
| 802.11n (HT40) | MIMO | 2422 | 1 | 36.98 | / | Pass |
| | | 2437 | 1 | 36.97 | / | Pass |
| | | 2452 | 1 | 36.94 | / | Pass |

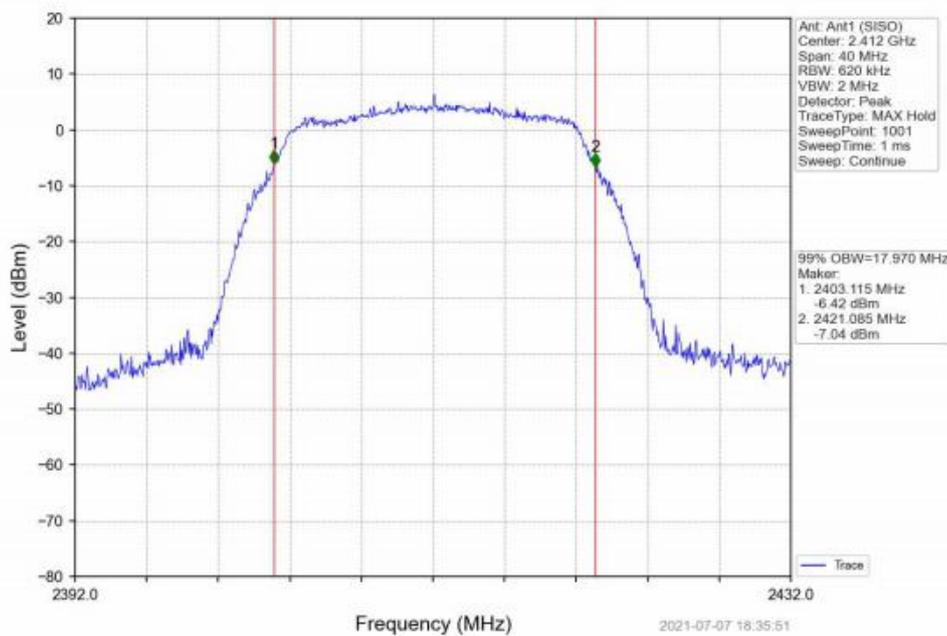
2.1.2 Test Graph



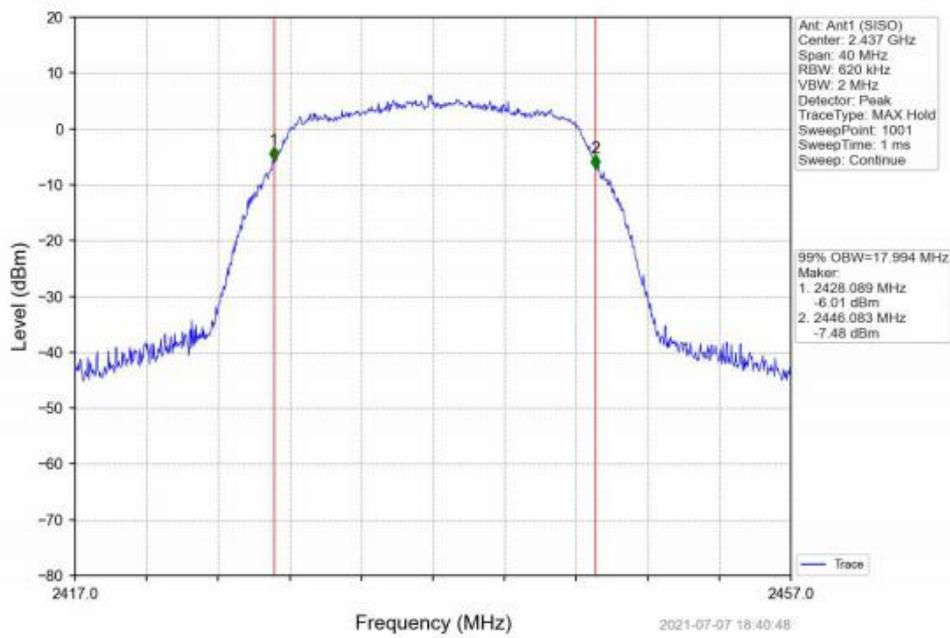
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



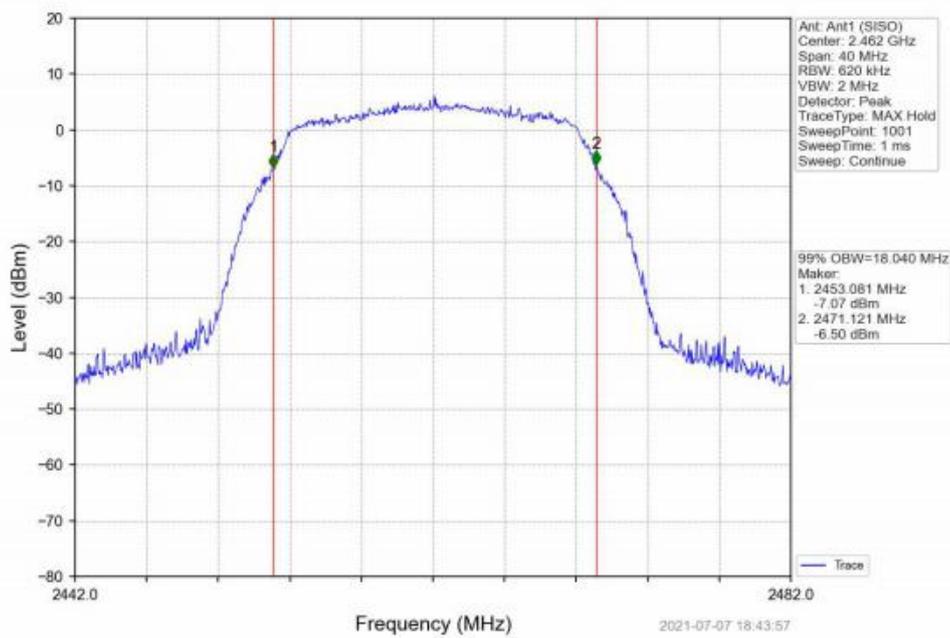
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



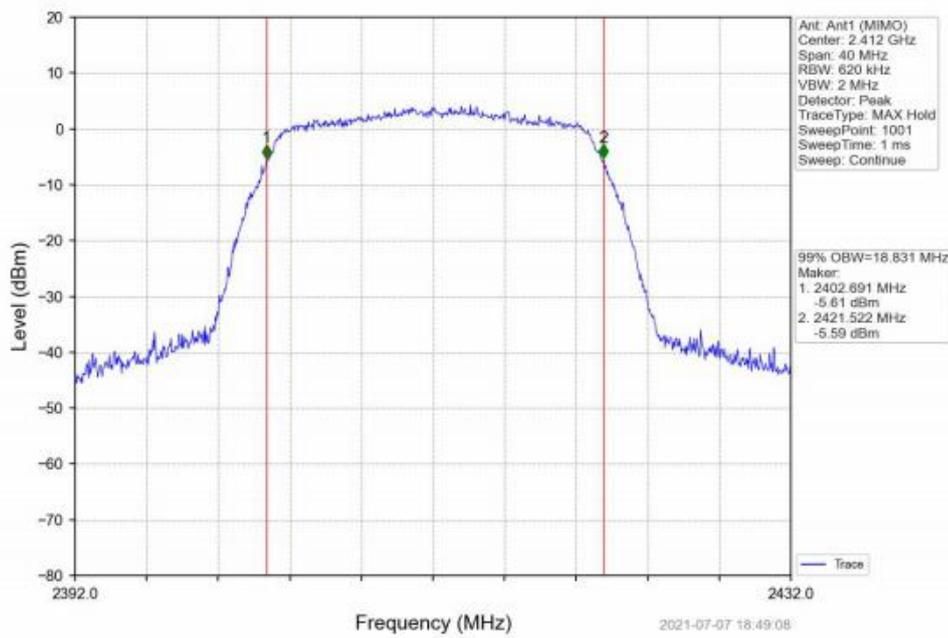
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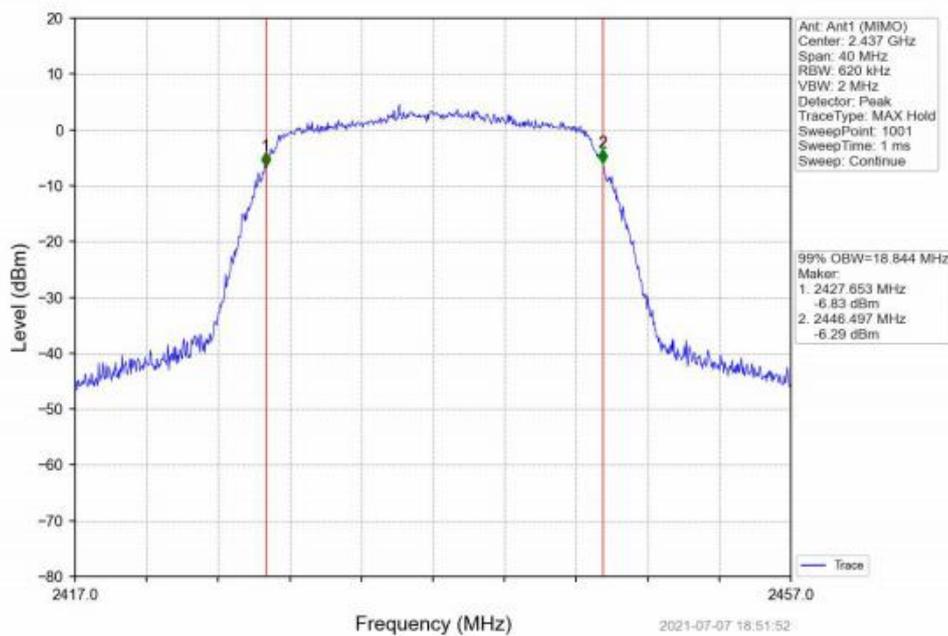
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802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV

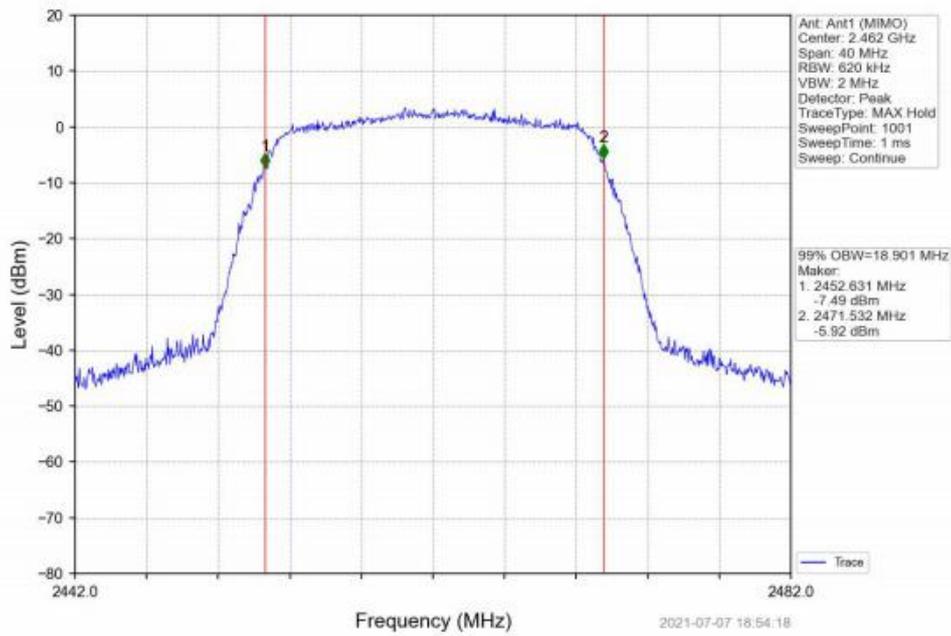


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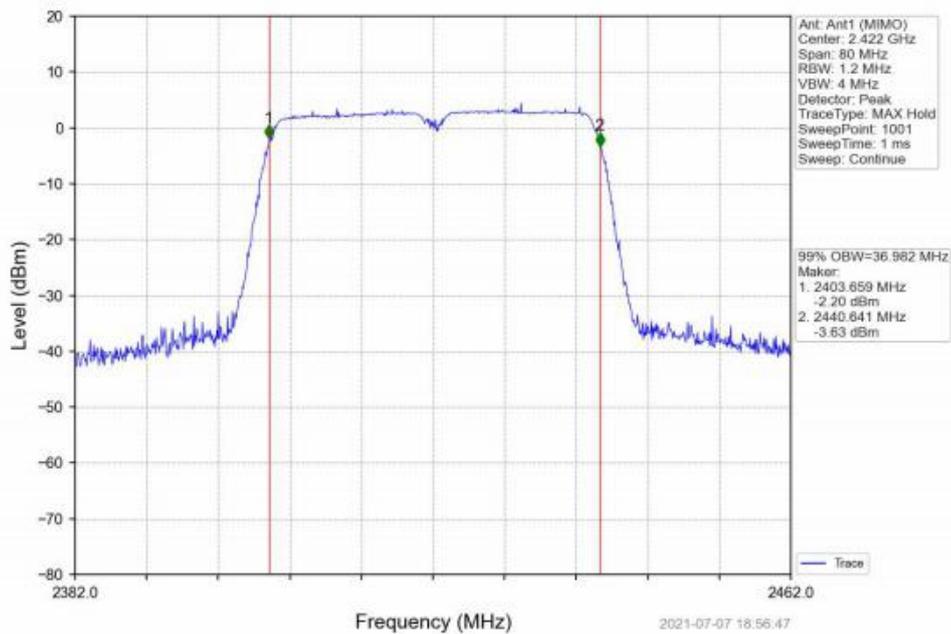
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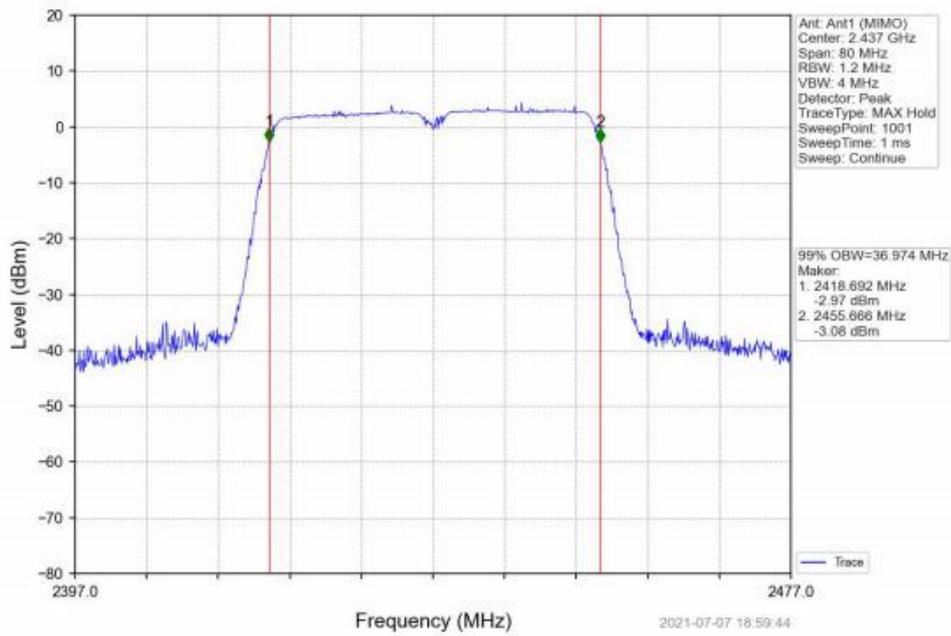
802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



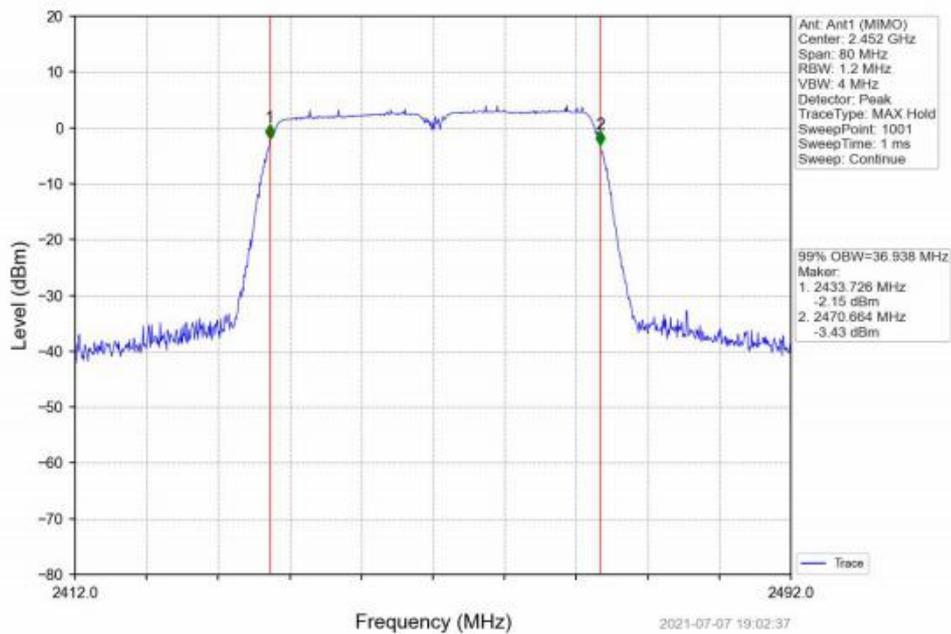
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV

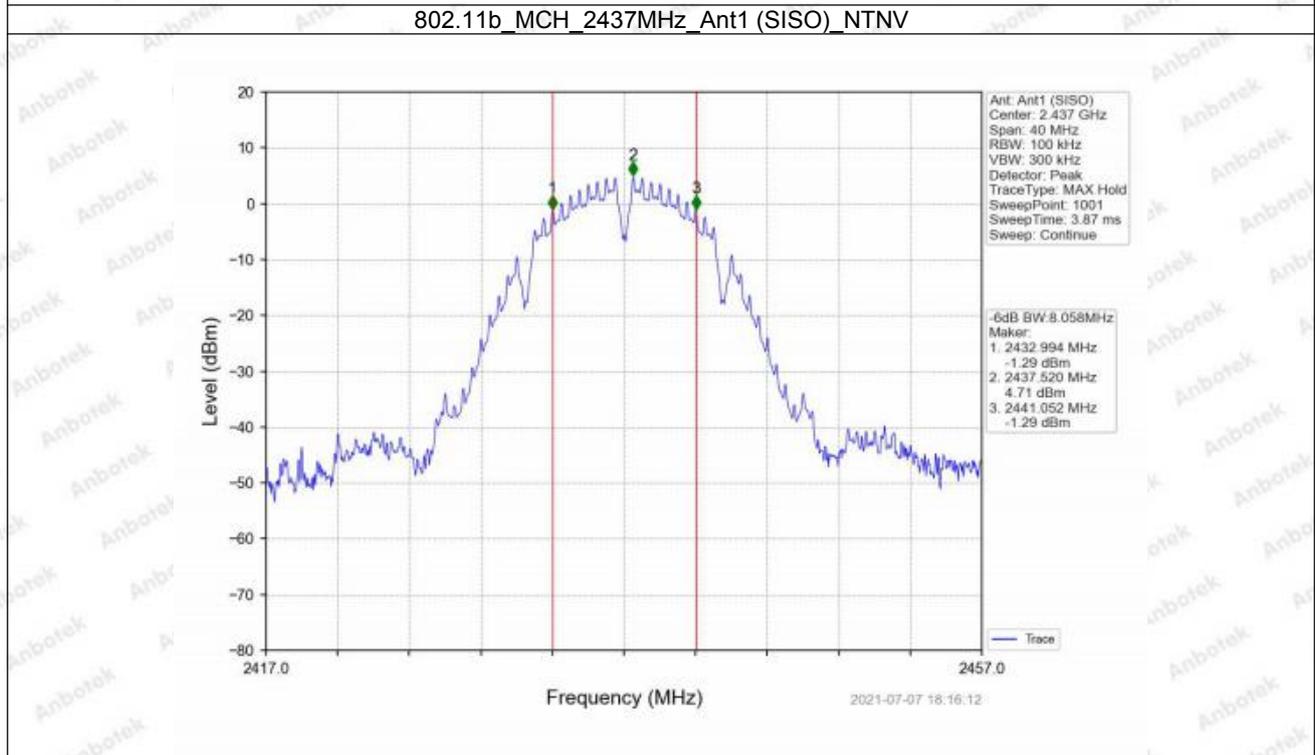
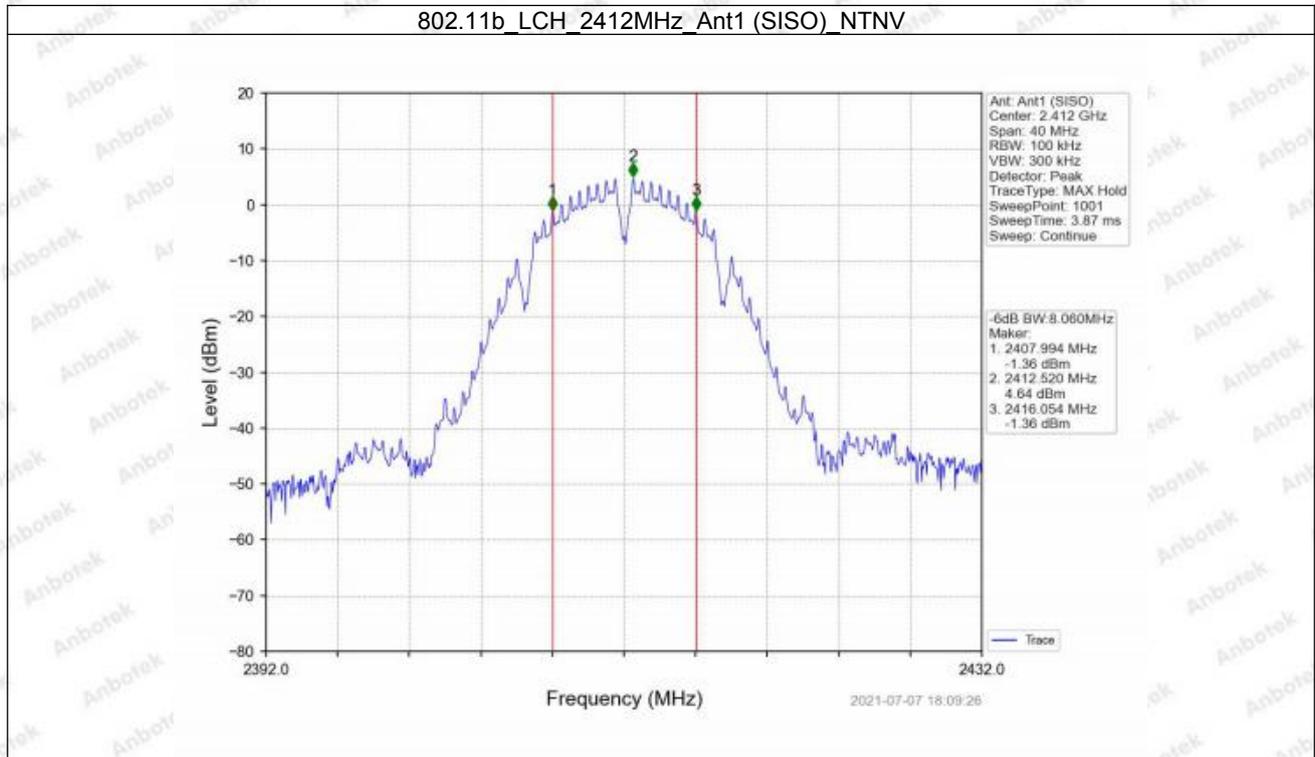


2.2 6dB BW

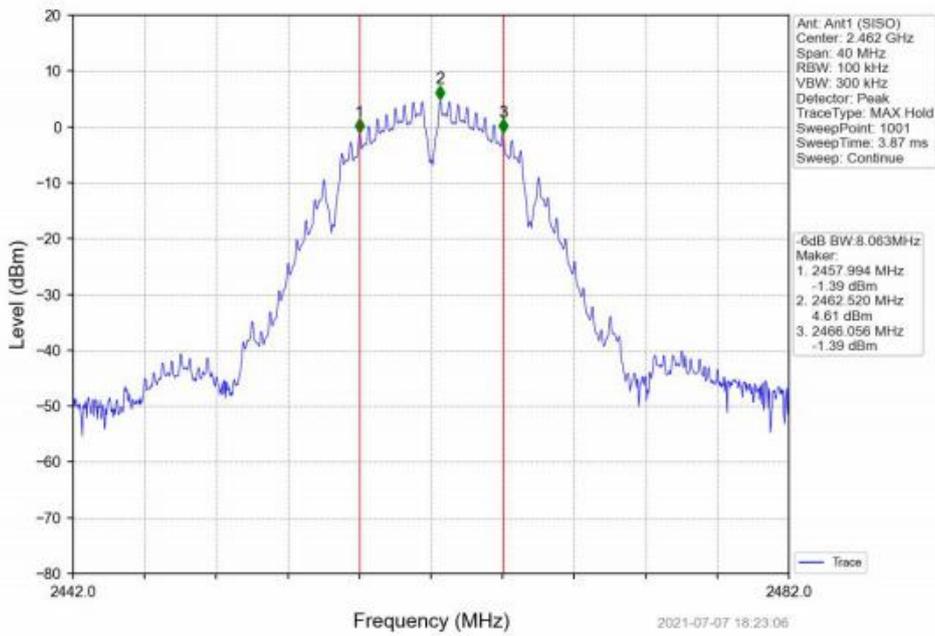
2.2.1 Test Result

| Mode | TX Type | Frequency (MHz) | Ant | 6dB Bandwidth (MHz) | Limit | Verdict |
|----------------|---------|-----------------|-----|---------------------|------------|---------|
| 802.11b | SISO | 2412 | 1 | 8.06 | ≥ 0.5 | Pass |
| | | 2437 | 1 | 8.06 | ≥ 0.5 | Pass |
| | | 2462 | 1 | 8.06 | ≥ 0.5 | Pass |
| 802.11g | SISO | 2412 | 1 | 16.38 | ≥ 0.5 | Pass |
| | | 2437 | 1 | 16.39 | ≥ 0.5 | Pass |
| | | 2462 | 1 | 16.39 | ≥ 0.5 | Pass |
| 802.11n (HT20) | MIMO | 2412 | 1 | 17.61 | ≥ 0.5 | Pass |
| | | 2437 | 1 | 17.60 | ≥ 0.5 | Pass |
| | | 2462 | 1 | 17.60 | ≥ 0.5 | Pass |
| 802.11n (HT40) | MIMO | 2422 | 1 | 36.46 | ≥ 0.5 | Pass |
| | | 2437 | 1 | 36.45 | ≥ 0.5 | Pass |
| | | 2452 | 1 | 36.43 | ≥ 0.5 | Pass |

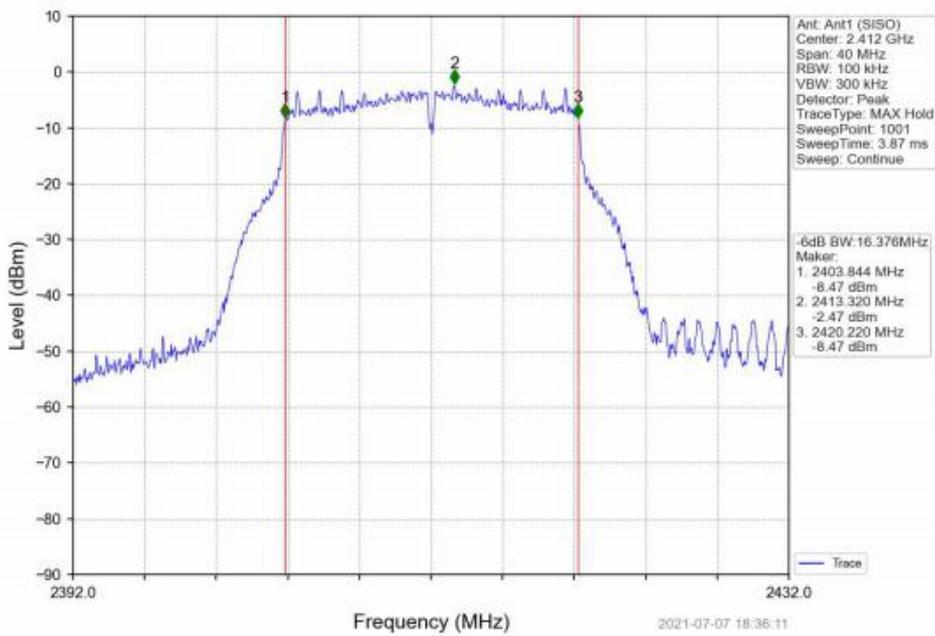
2.2.2 Test Graph



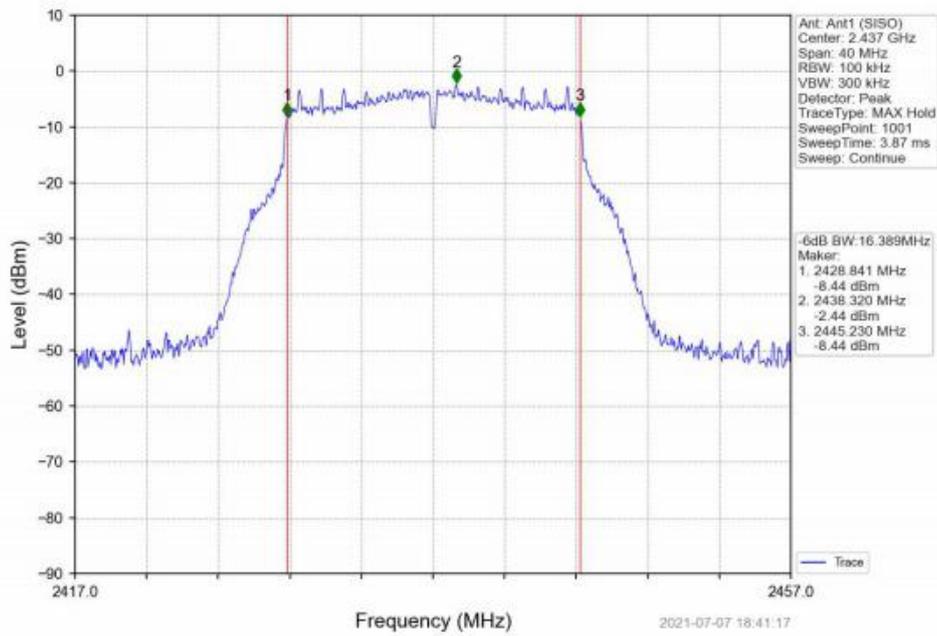
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



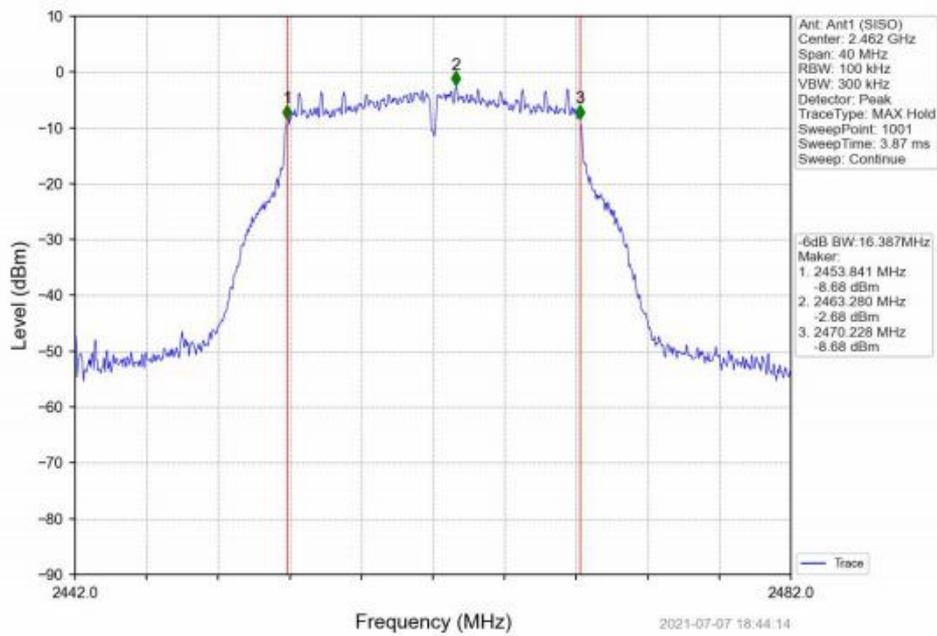
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



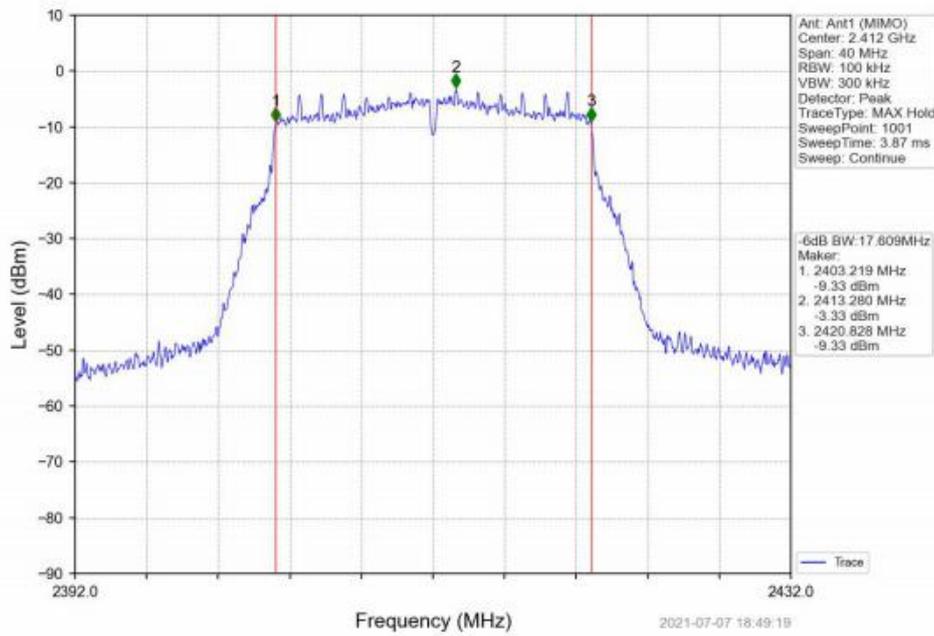
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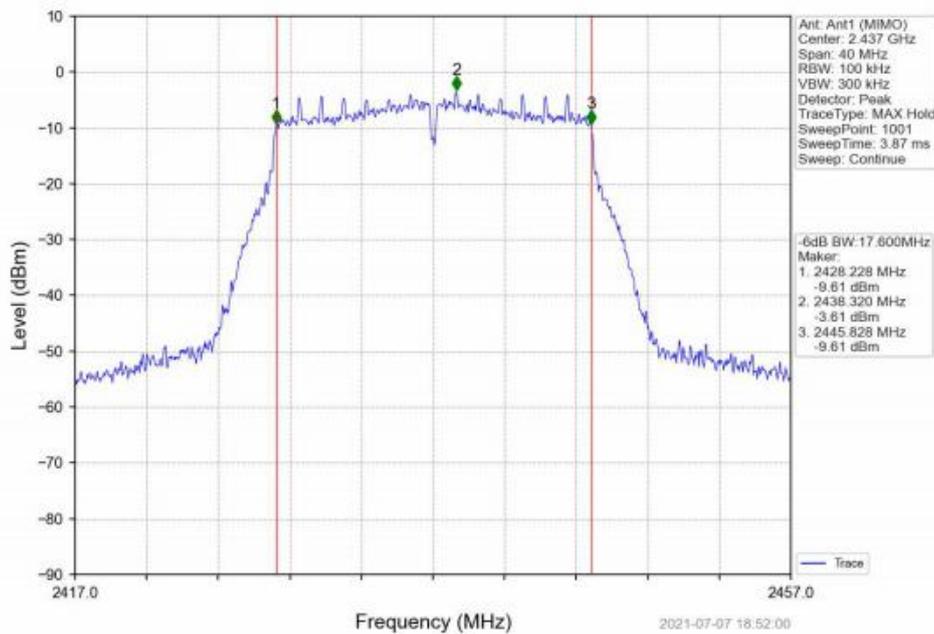
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802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



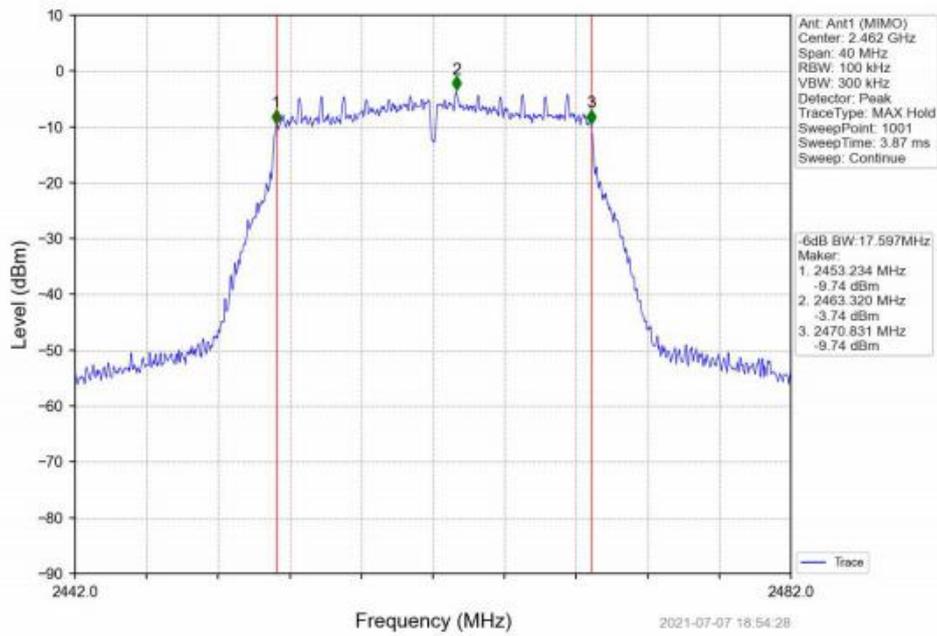
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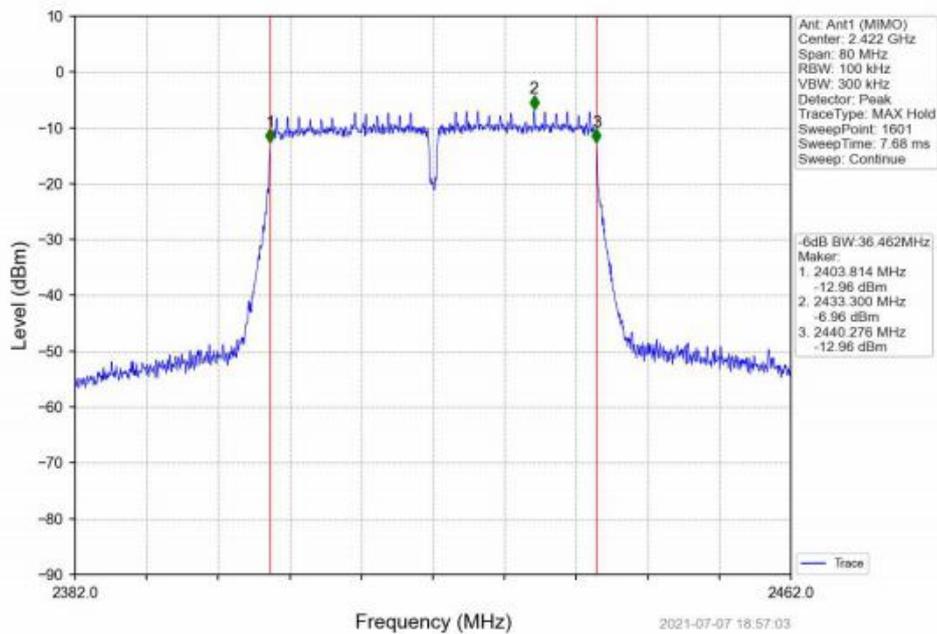
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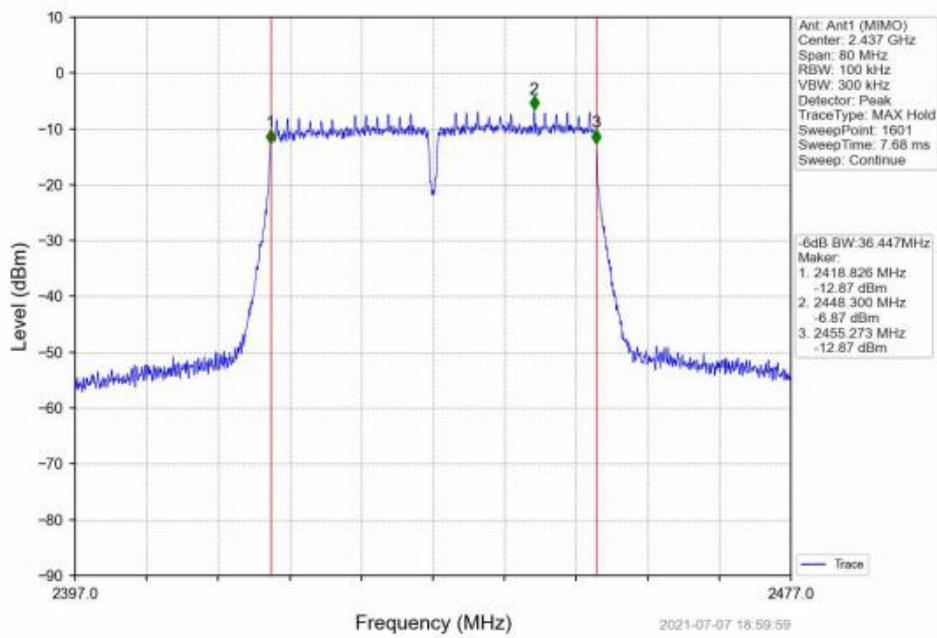
802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



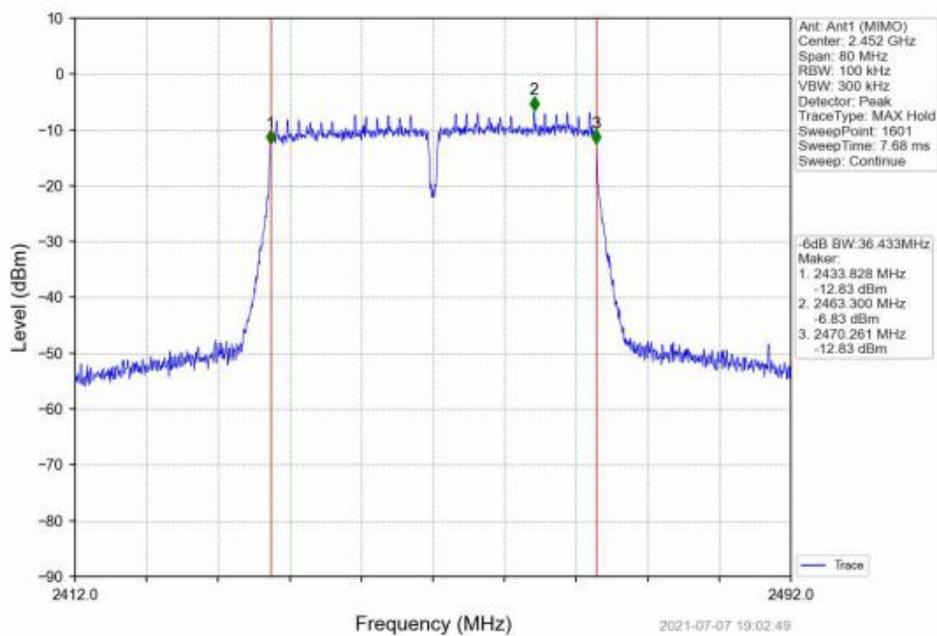
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

| Mode | TX Type | Frequency (MHz) | Measured Peak Output Power (dBm) | | | | Verdict |
|----------------|---------|-----------------|----------------------------------|-------|-------|-------|---------|
| | | | Ant1 | Ant2 | Sum | Limit | |
| 802.11b | SISO | 2412 | 14.75 | 15.52 | / | <=30 | Pass |
| | | 2437 | 14.84 | 15.48 | / | <=30 | Pass |
| | | 2462 | 14.78 | 15.20 | / | <=30 | Pass |
| 802.11g | SISO | 2412 | 16.92 | 17.09 | / | <=30 | Pass |
| | | 2437 | 17.20 | 17.02 | / | <=30 | Pass |
| | | 2462 | 16.92 | 16.91 | / | <=30 | Pass |
| 802.11n (HT20) | MIMO | 2412 | 16.13 | 16.65 | 19.41 | <=30 | Pass |
| | | 2437 | 15.94 | 16.97 | 19.50 | <=30 | Pass |
| | | 2462 | 15.79 | 16.15 | 18.98 | <=30 | Pass |
| 802.11n (HT40) | MIMO | 2422 | 16.13 | 16.85 | 19.52 | <=30 | Pass |
| | | 2437 | 16.14 | 16.90 | 19.55 | <=30 | Pass |
| | | 2452 | 16.12 | 16.65 | 19.40 | <=30 | Pass |

Note1: Antenna Gain: Ant1: 1.59dBi; Ant2: 1.56dBi;

4. Maximum Power Spectral Density

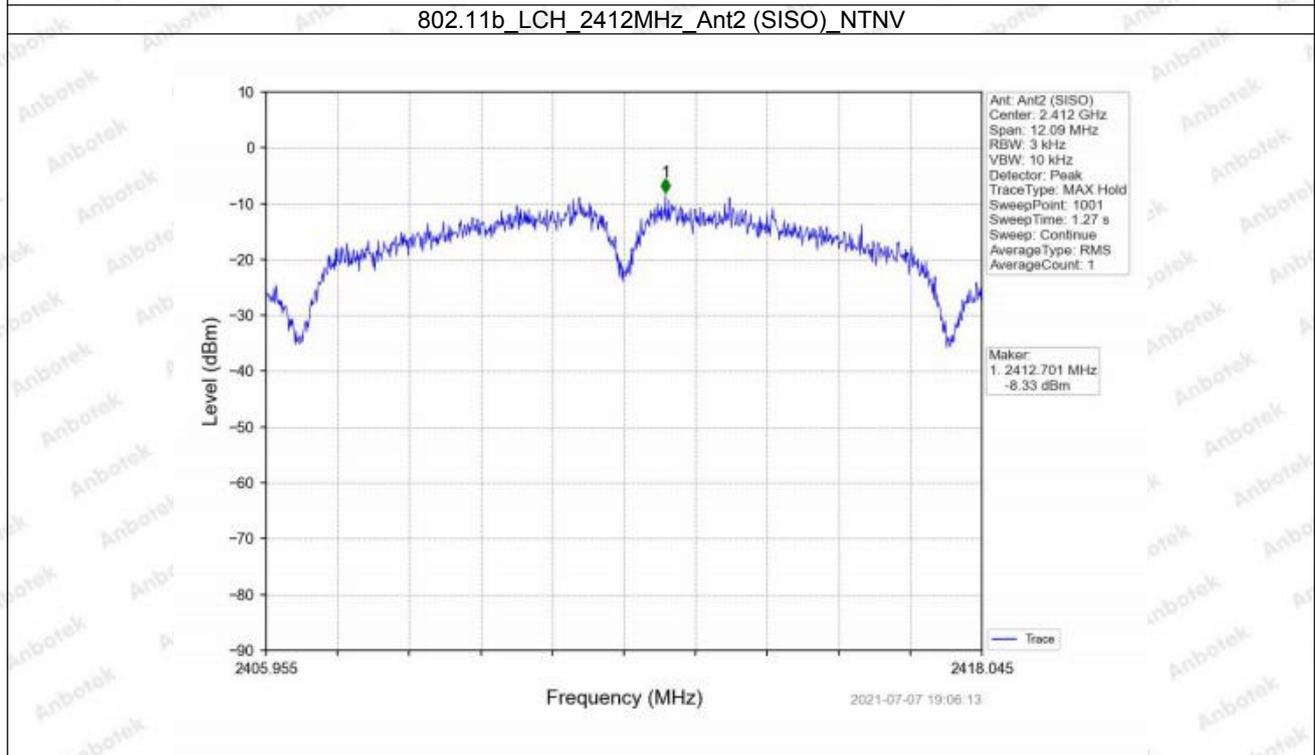
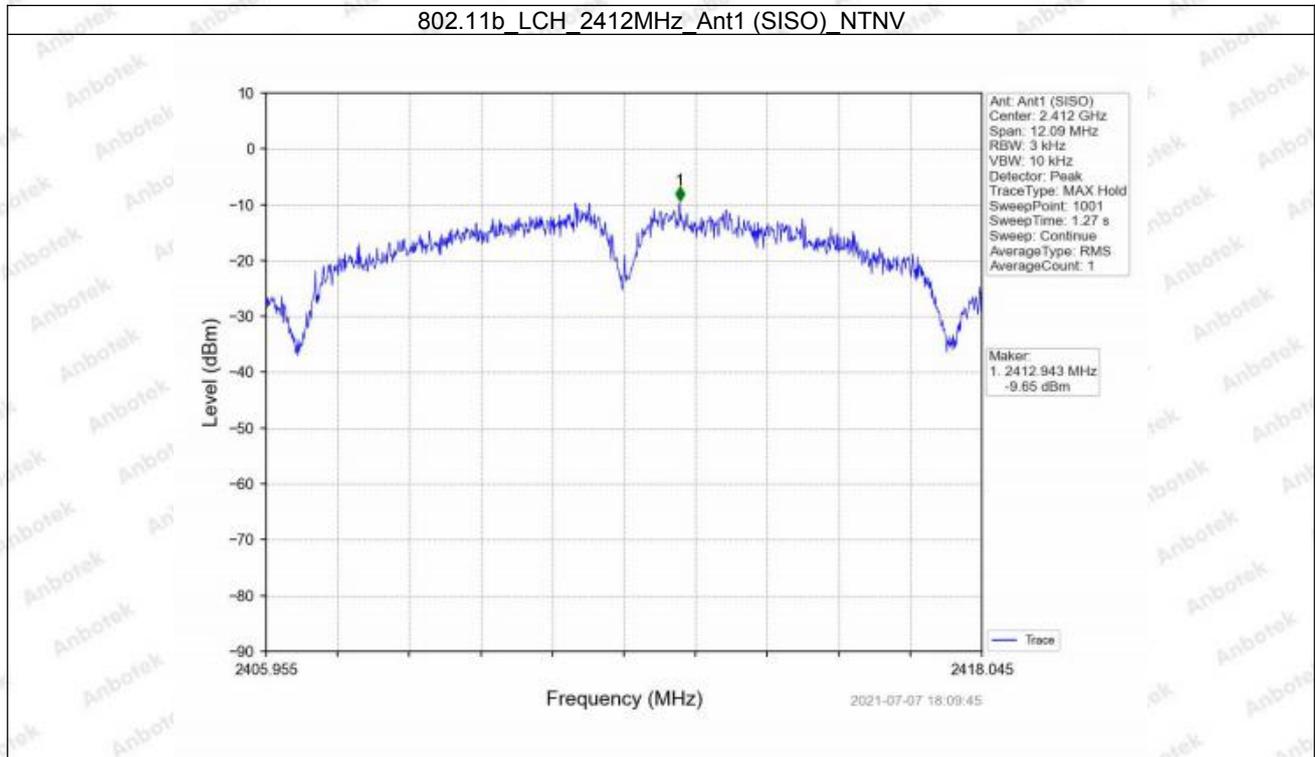
4.1 PSD

4.1.1 Test Result

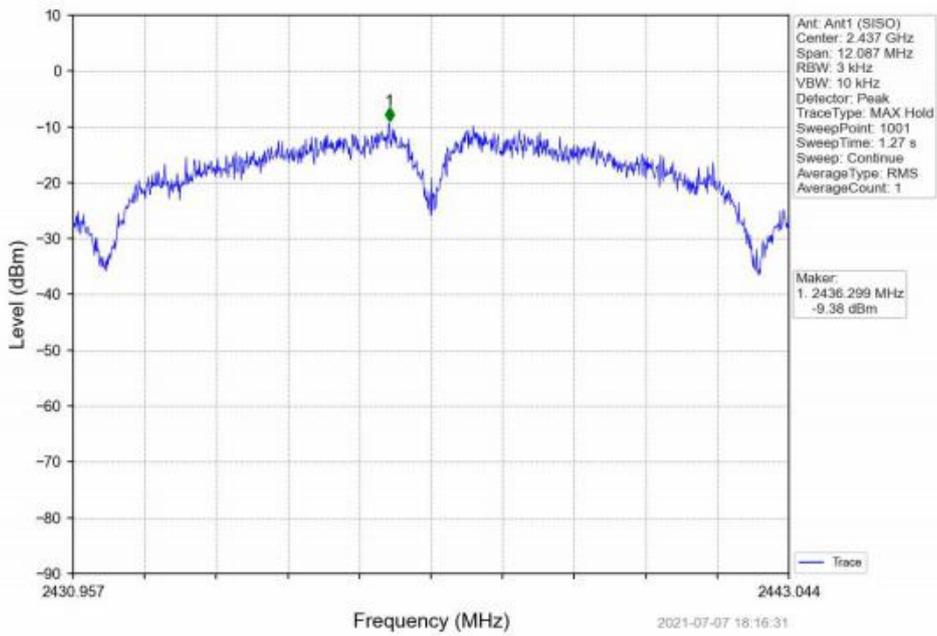
| Mode | TX Type | Frequency (MHz) | Maximum PSD (dBm/3kHz) | | | | Verdict |
|----------------|---------|-----------------|------------------------|--------|--------|-------|---------|
| | | | Ant1 | Ant2 | Sum | Limit | |
| 802.11b | SISO | 2412 | -9.65 | -8.33 | / | <=8 | Pass |
| | | 2437 | -9.38 | -9.27 | / | <=8 | Pass |
| | | 2462 | -9.20 | -9.33 | / | <=8 | Pass |
| 802.11g | SISO | 2412 | -14.56 | -13.93 | / | <=8 | Pass |
| | | 2437 | -14.70 | -14.09 | / | <=8 | Pass |
| | | 2462 | -14.94 | -13.68 | / | <=8 | Pass |
| 802.11n (HT20) | MIMO | 2412 | -15.75 | -15.62 | -12.79 | <=8 | Pass |
| | | 2437 | -16.68 | -15.05 | -12.78 | <=8 | Pass |
| | | 2462 | -16.67 | -16.57 | -13.94 | <=8 | Pass |
| 802.11n (HT40) | MIMO | 2422 | -20.07 | -18.37 | -16.13 | <=8 | Pass |
| | | 2437 | -19.72 | -18.55 | -16.91 | <=8 | Pass |
| | | 2452 | -19.88 | -18.68 | -17.35 | <=8 | Pass |

Note1: Antenna Gain: Ant1: 1.59dBi; Ant2: 1.56dBi;

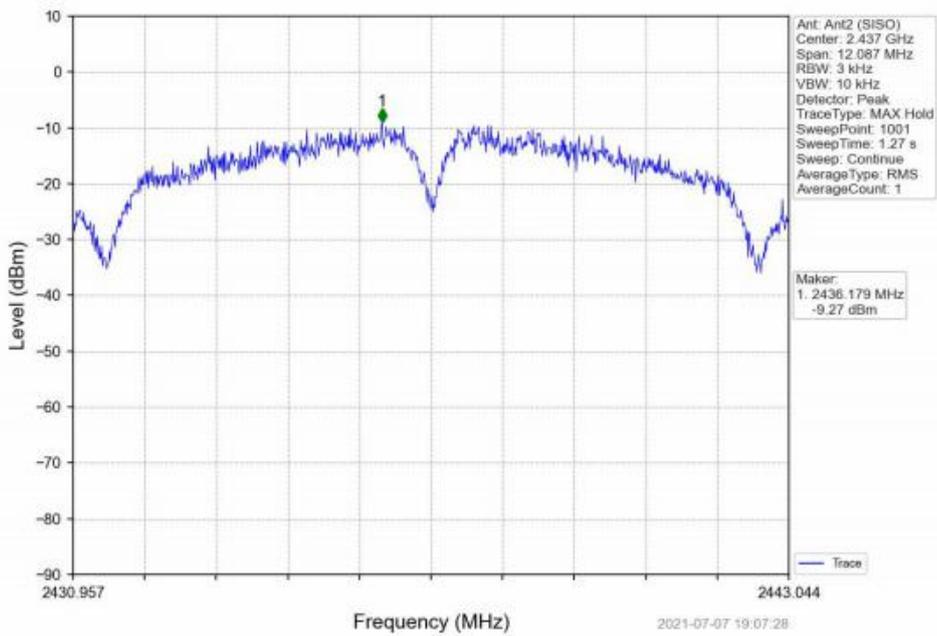
4.1.2 Test Graph



802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



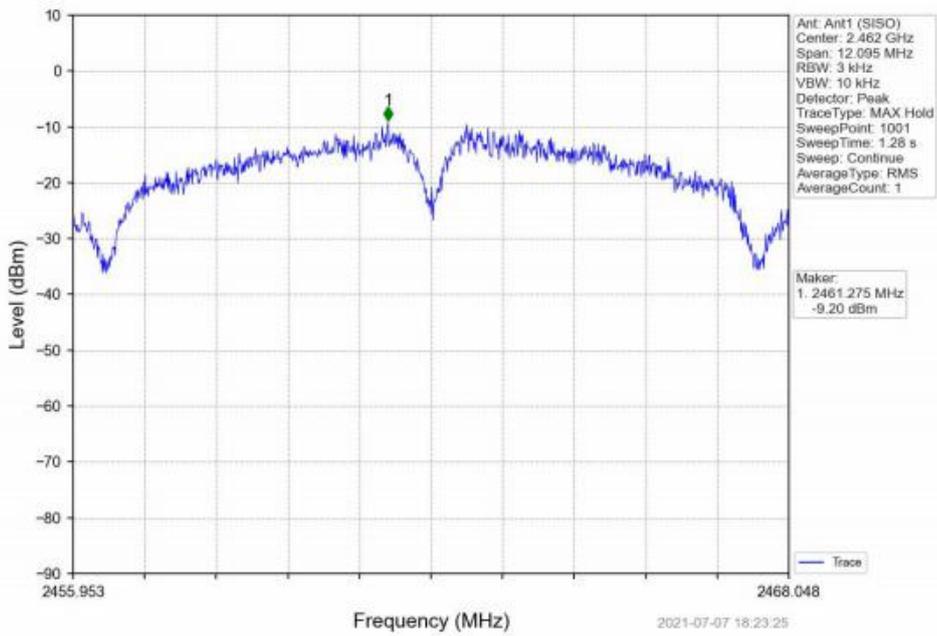
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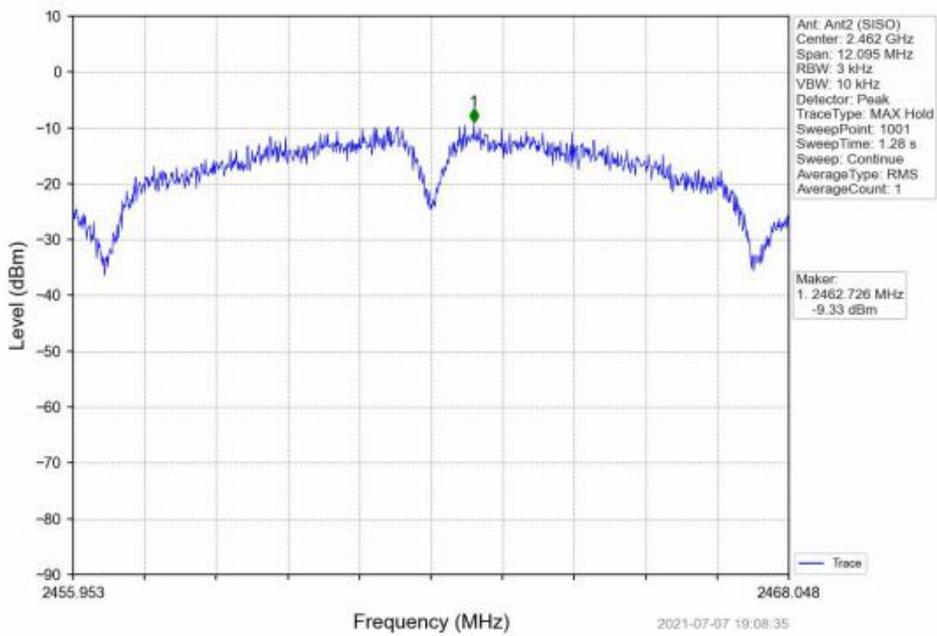
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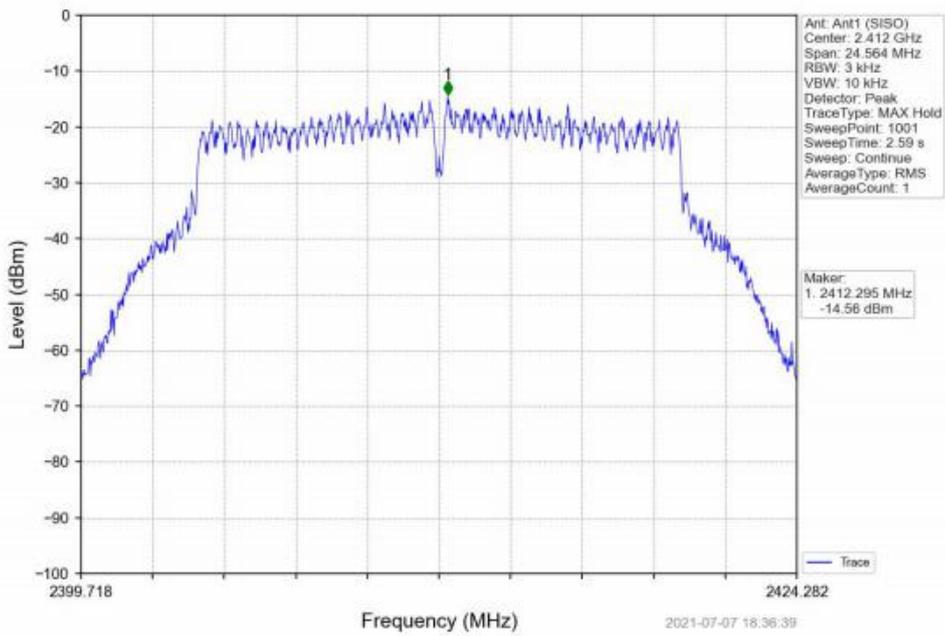
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



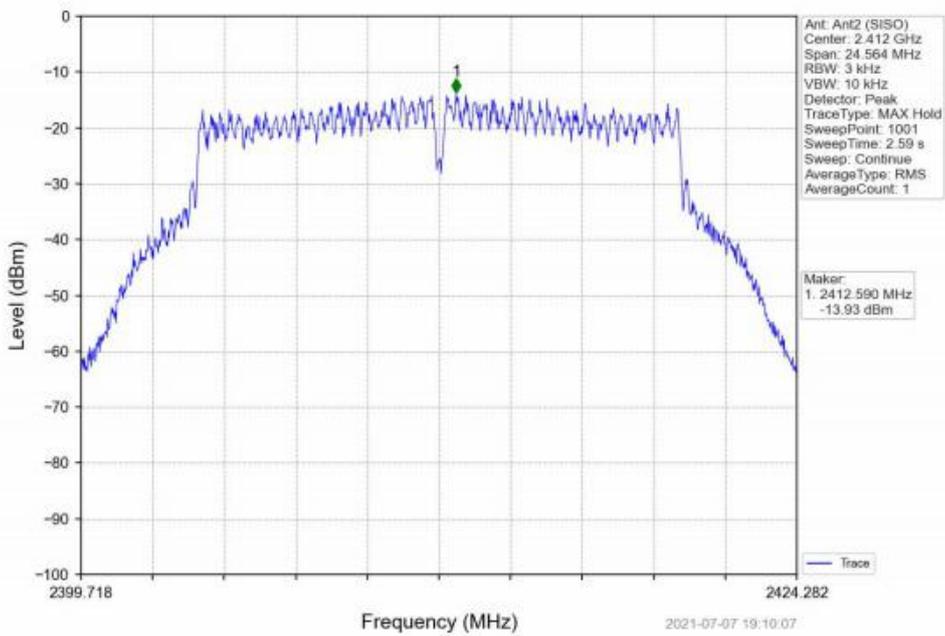
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



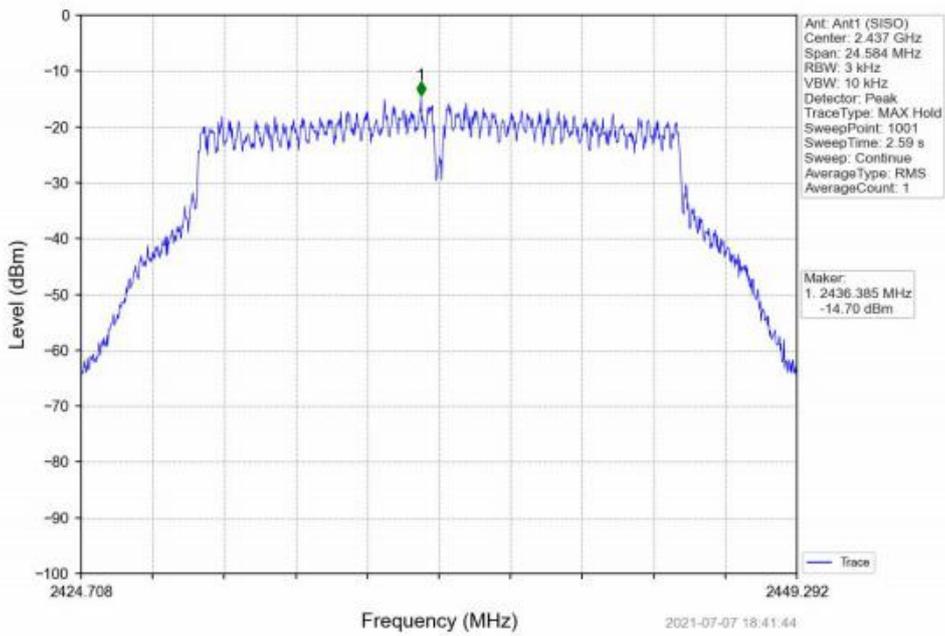
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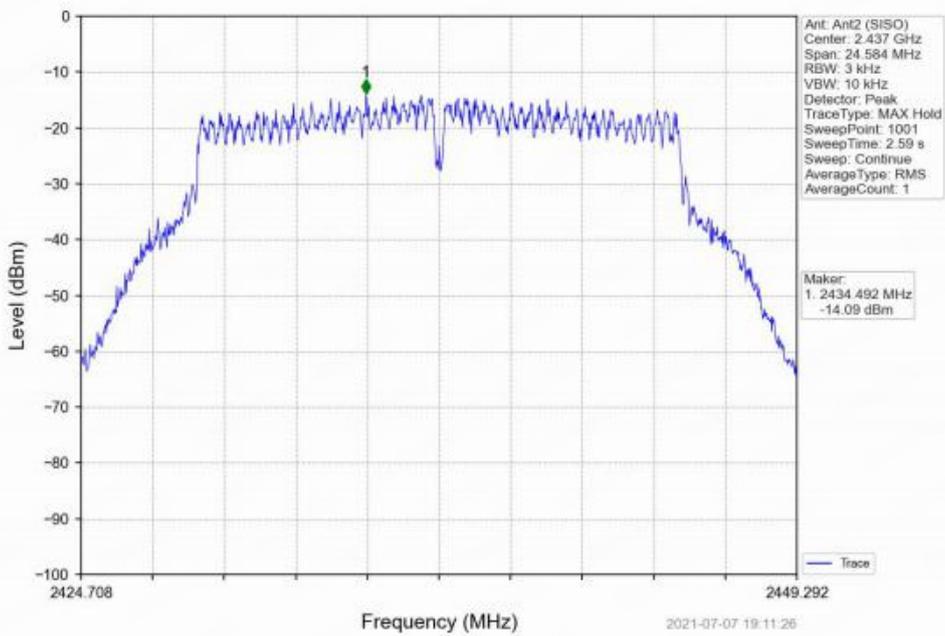
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802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



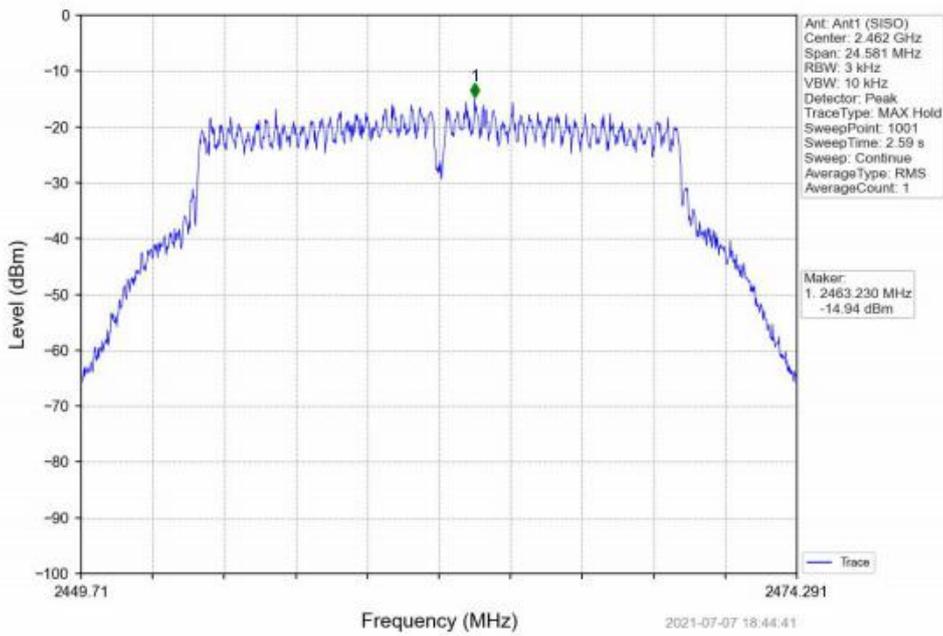
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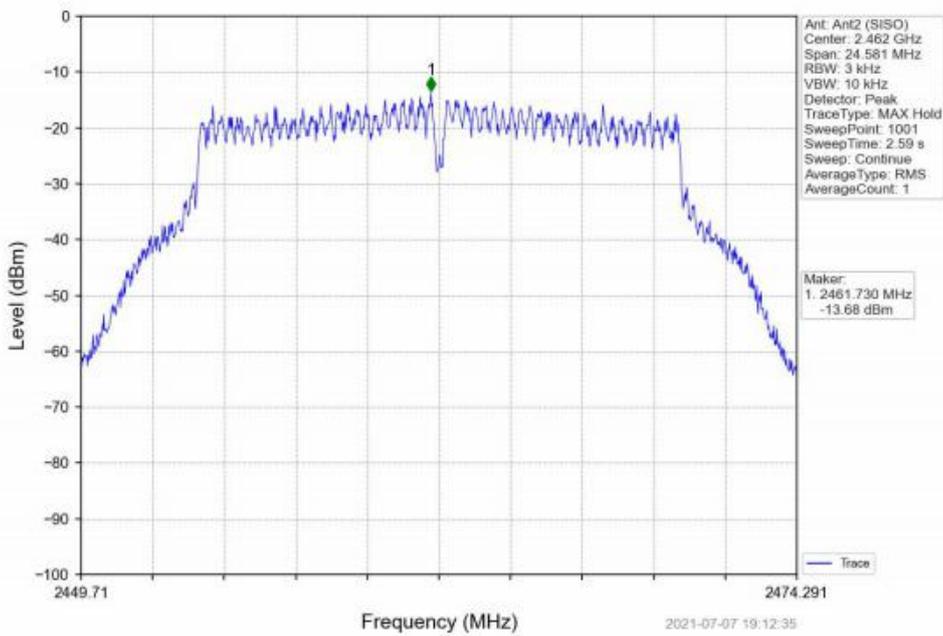
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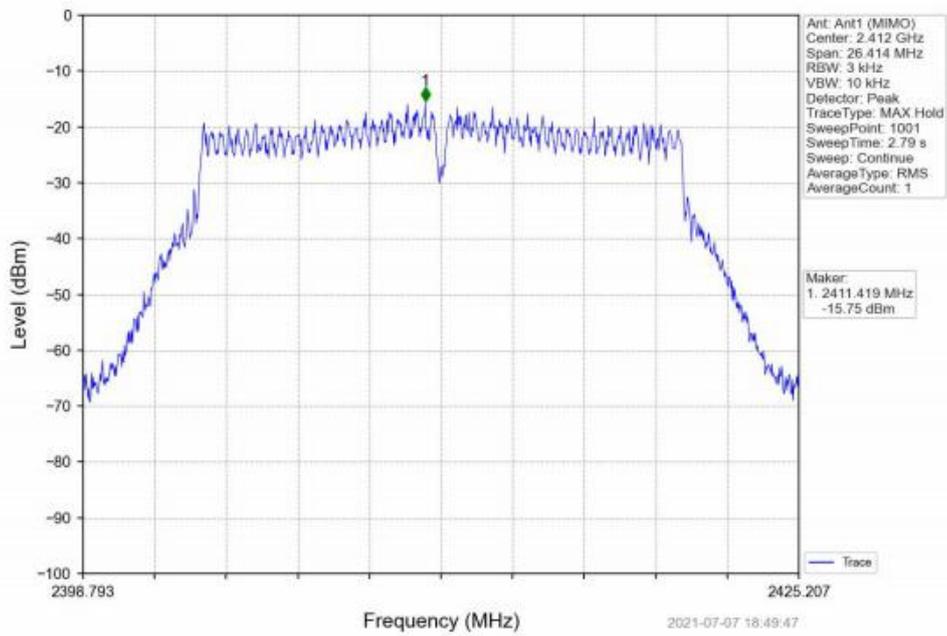
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



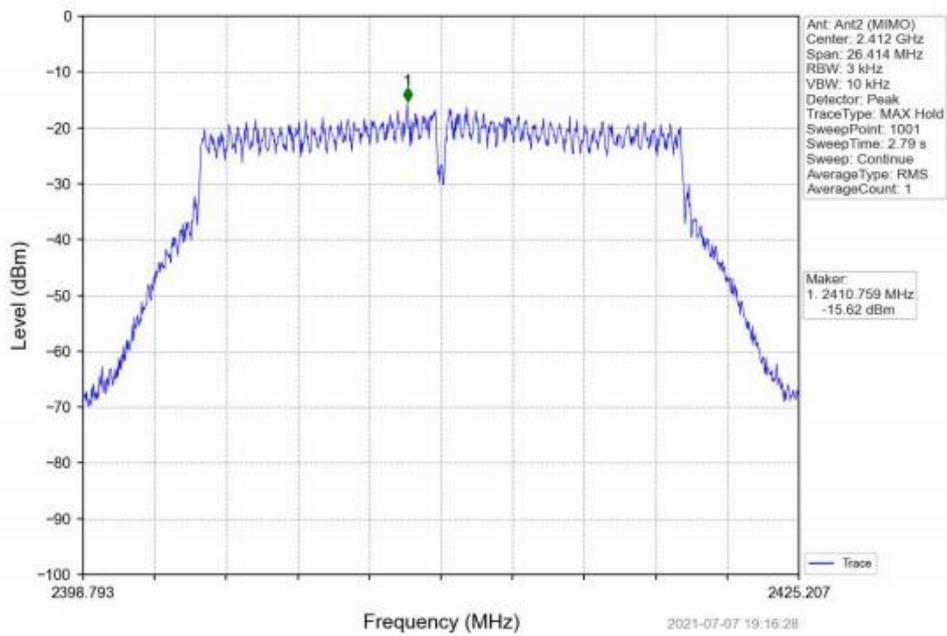
802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV



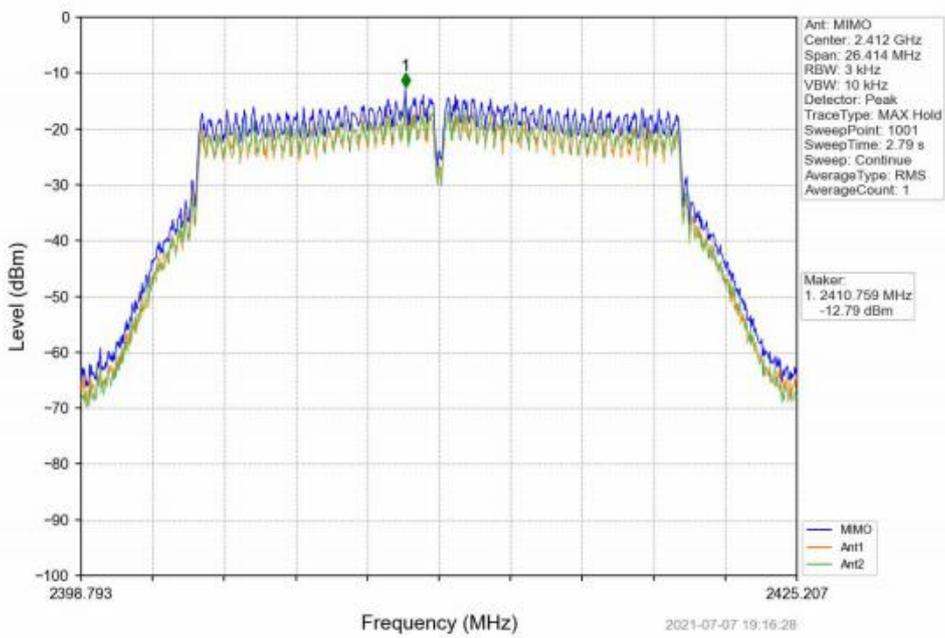
Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

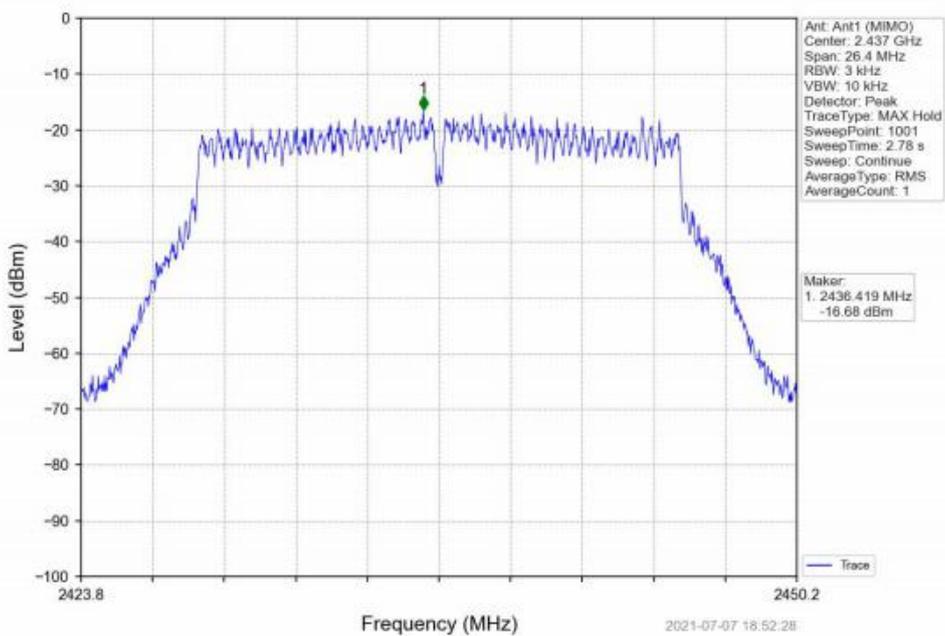
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802.11n(HT20)_LCH_2412MHz_MIMO_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



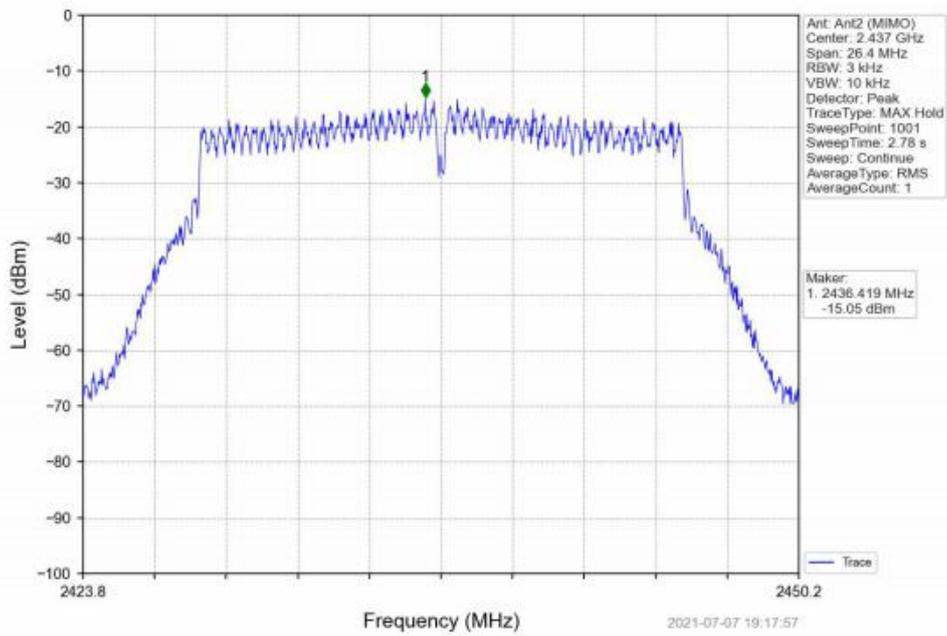
Shenzhen Anbotek Compliance Laboratory Limited

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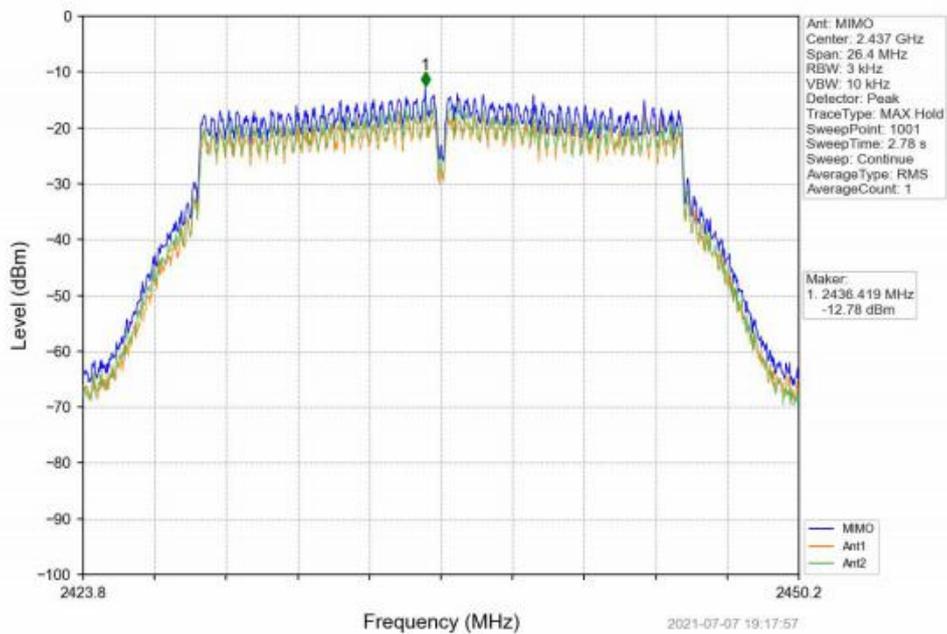
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802.11n(HT20)_MCH_2437MHz_Ant2 (MIMO)_NTNV



802.11n(HT20)_MCH_2437MHz_MIMO_NTNV



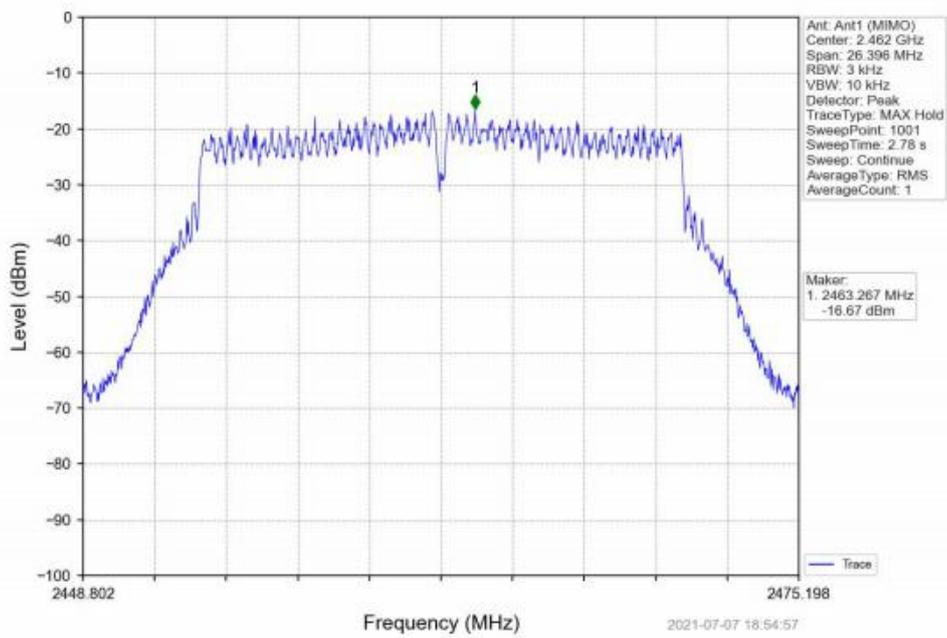
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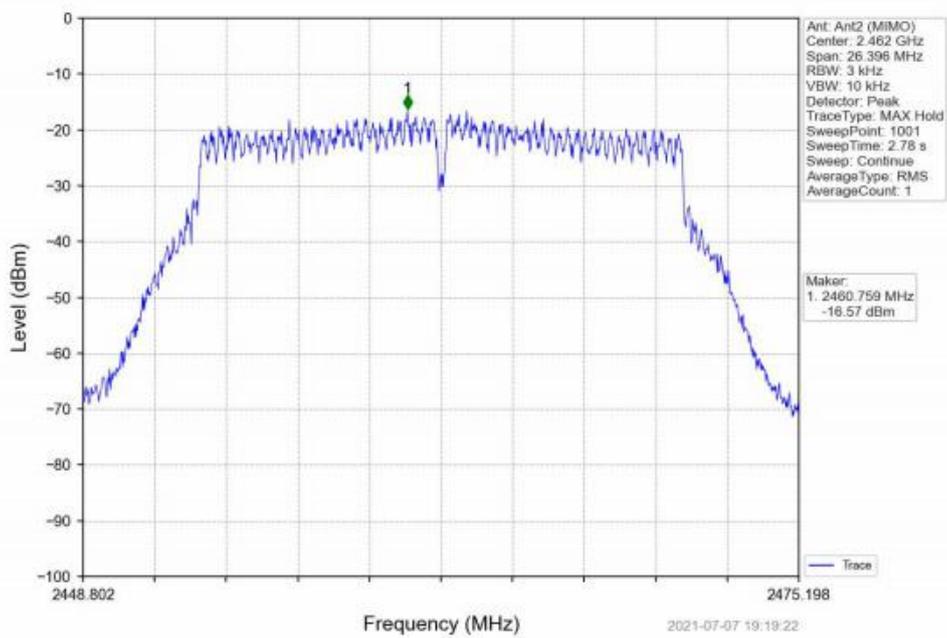
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802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant2 (MIMO)_NTNV



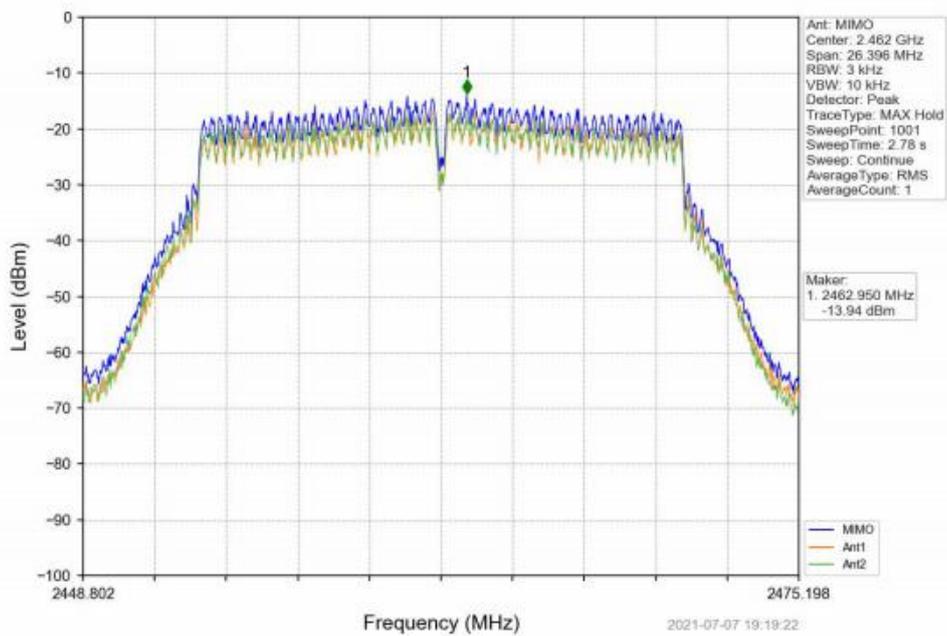
Shenzhen Anbotek Compliance Laboratory Limited

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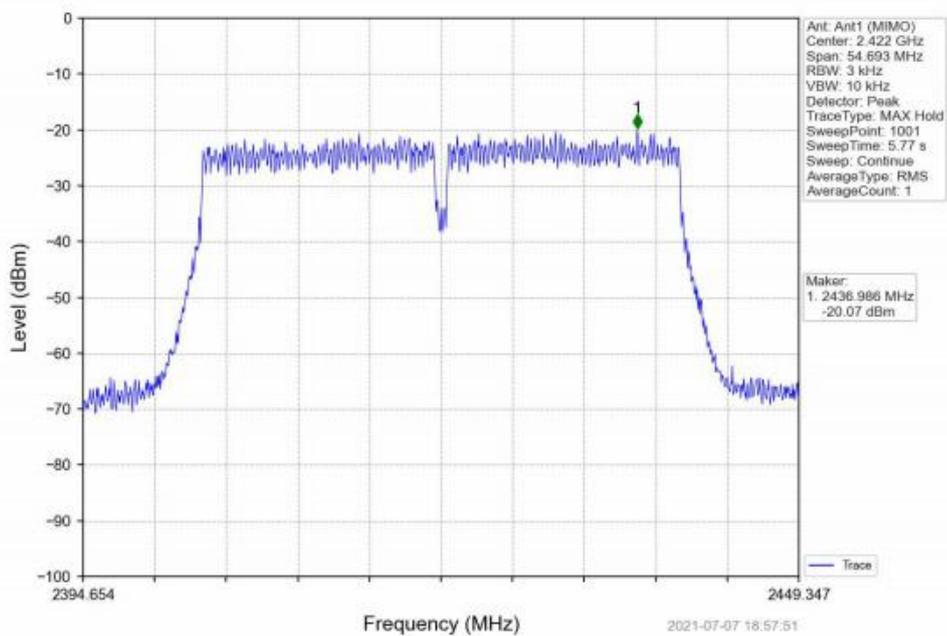
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

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802.11n(HT20)_HCH_2462MHz_MIMO_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



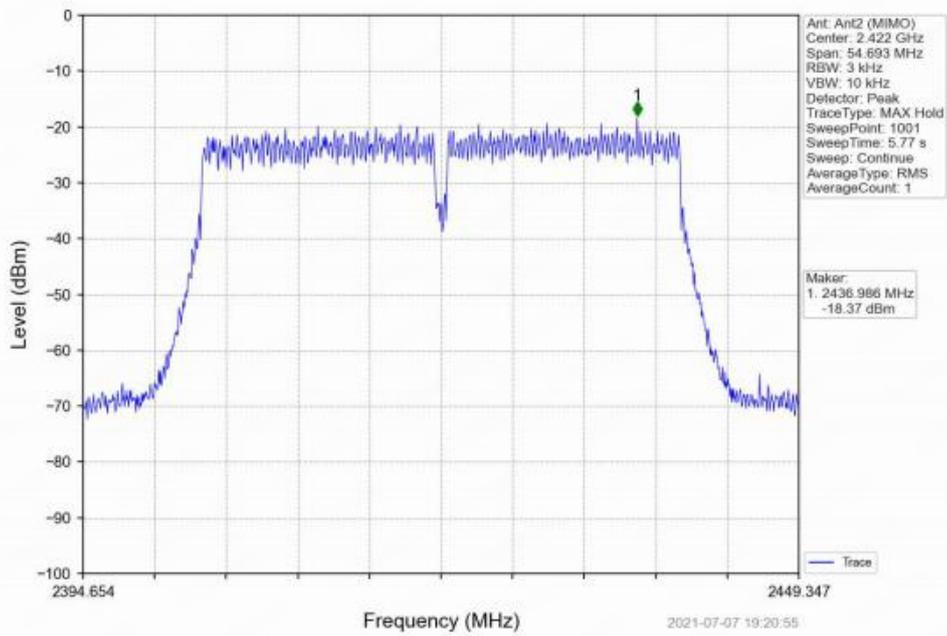
Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

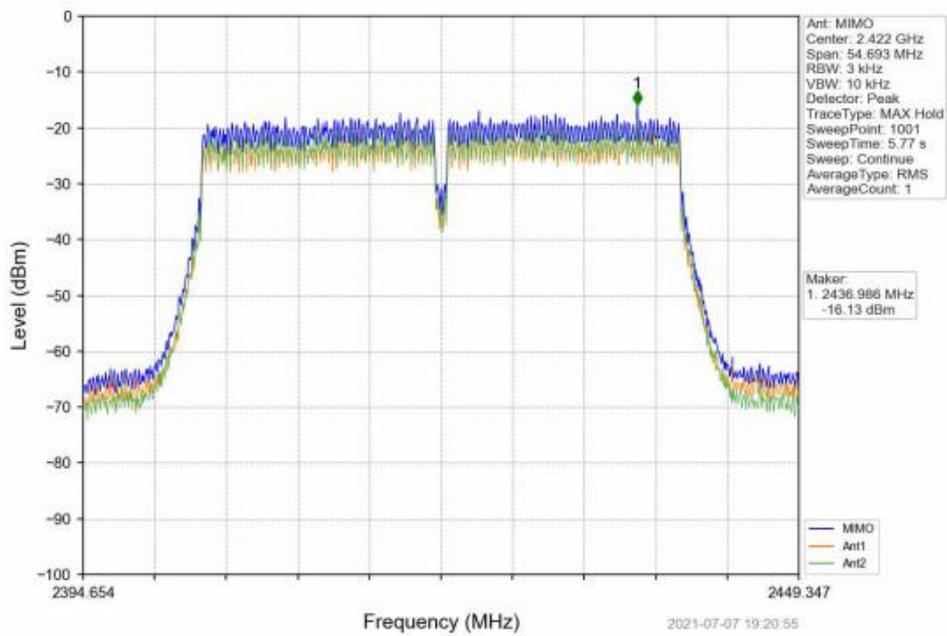
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802.11n(HT40)_LCH_2422MHz_Ant2 (MIMO)_NTNV



802.11n(HT40)_LCH_2422MHz_MIMO_NTNV



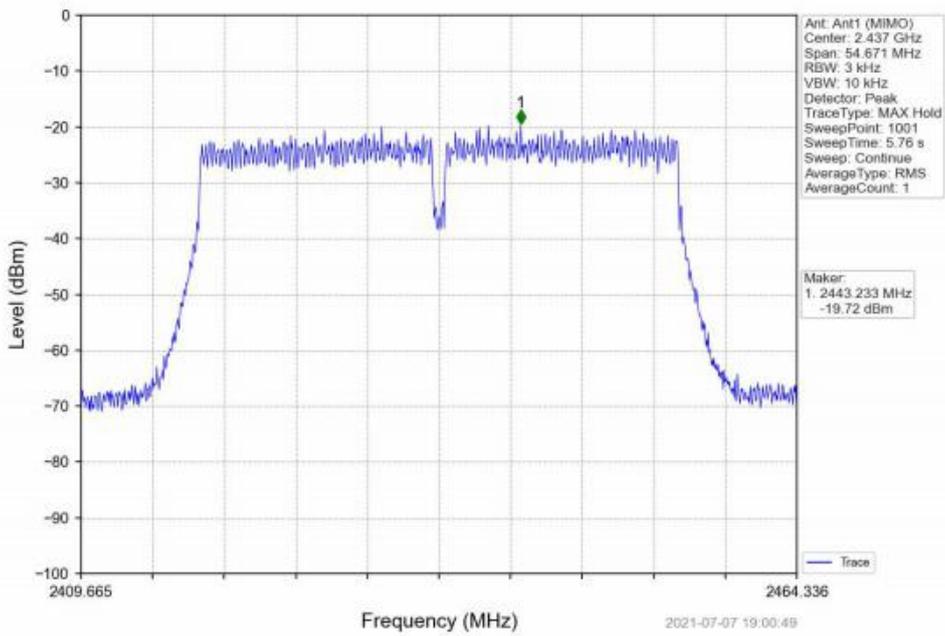
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Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

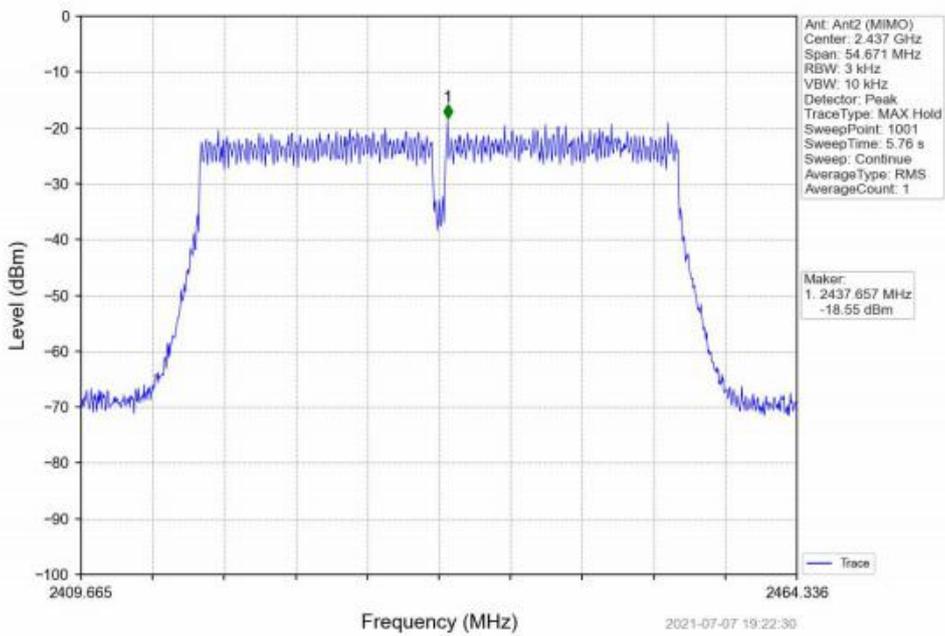
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

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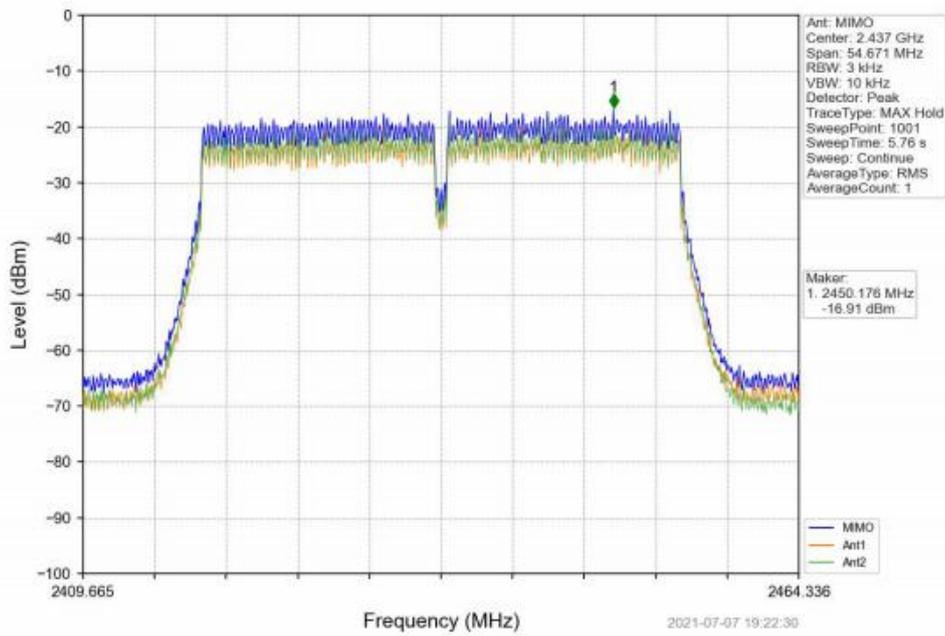
802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



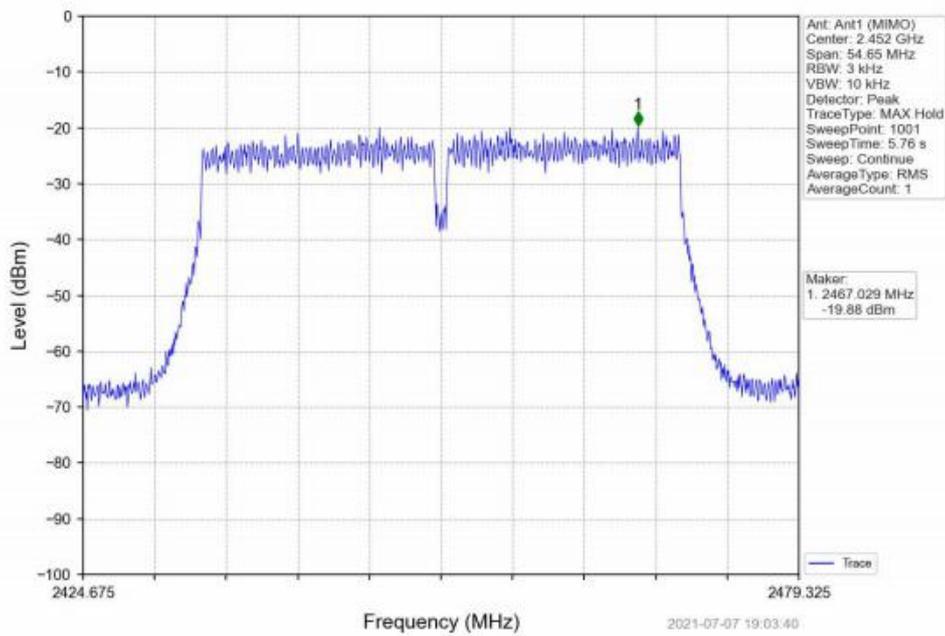
802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV



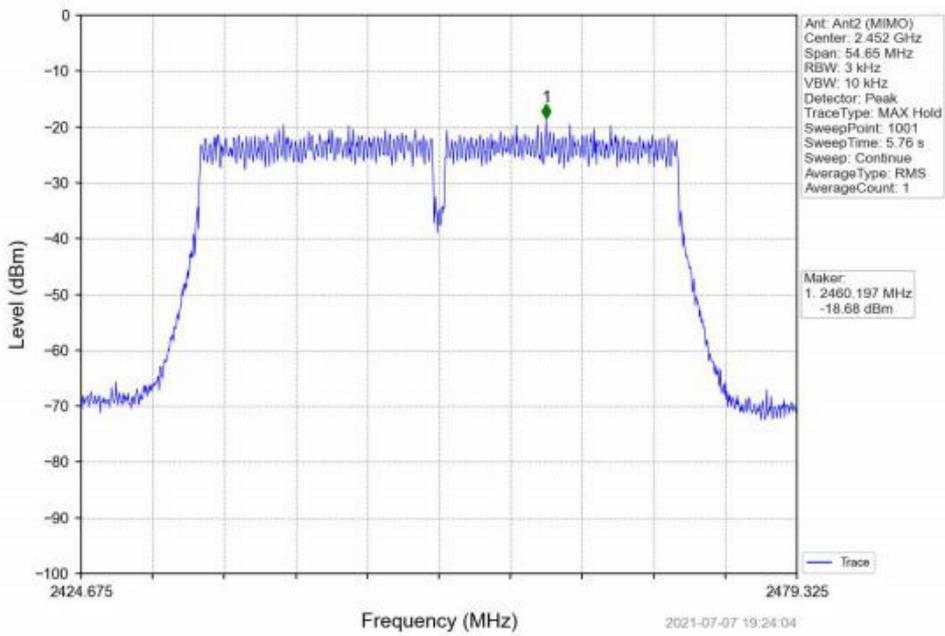
802.11n(HT40)_MCH_2437MHz_MIMO_NTNV



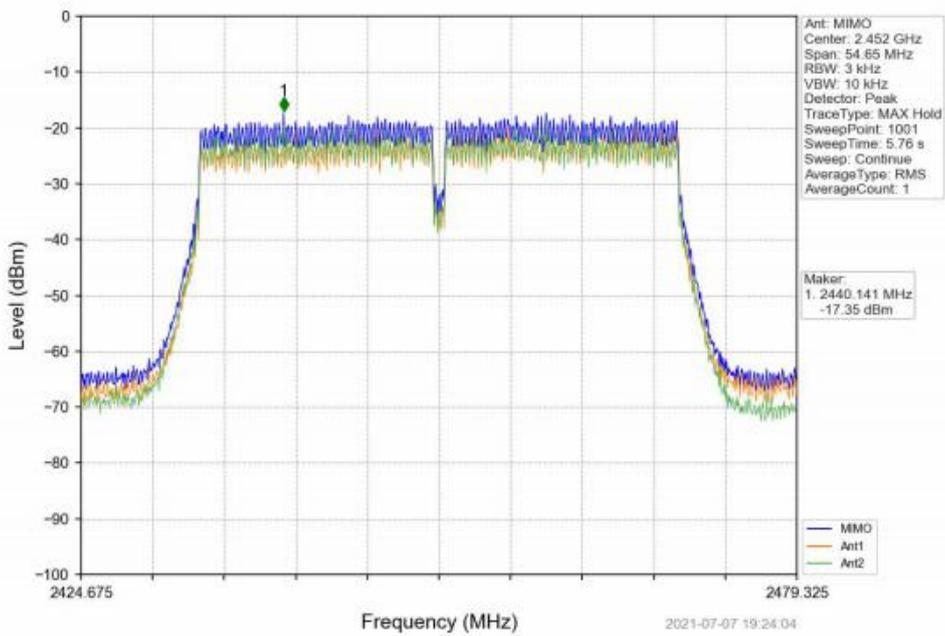
802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant2 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_MIMO_NTNV



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5. Unwanted Emissions In Non-restricted Frequency Bands

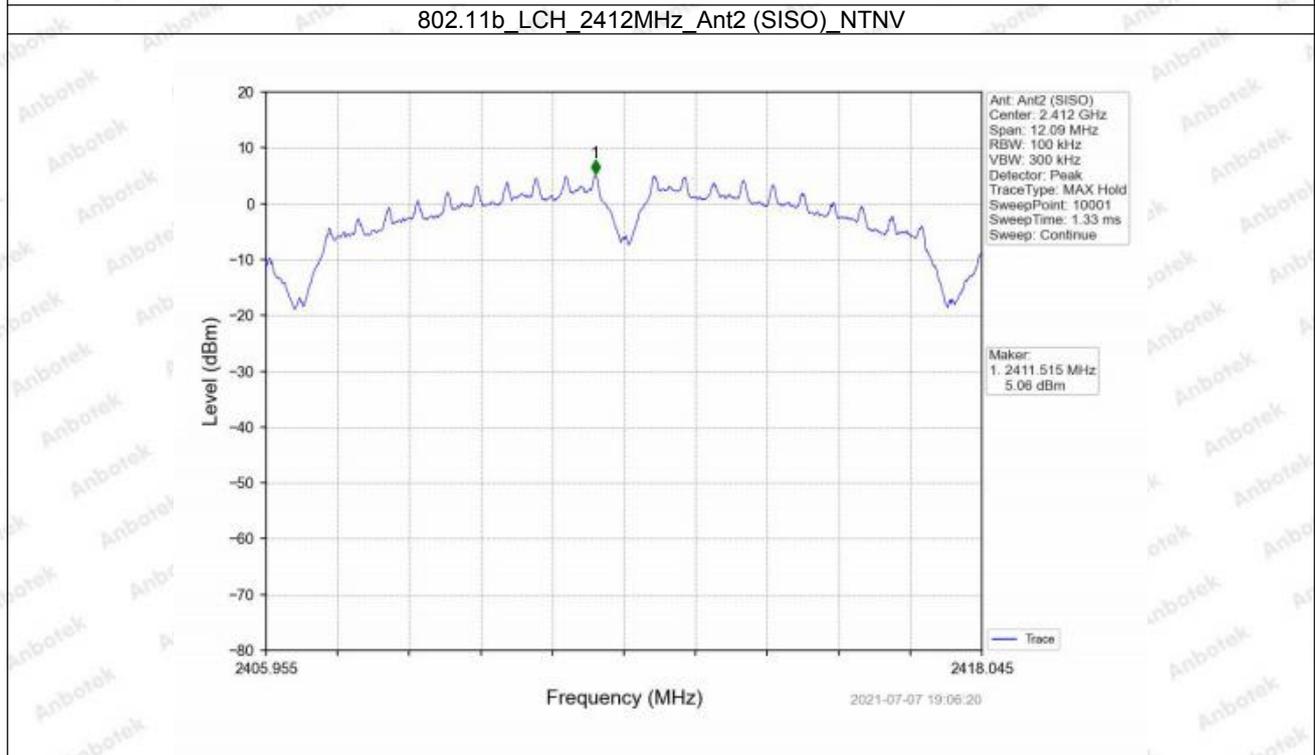
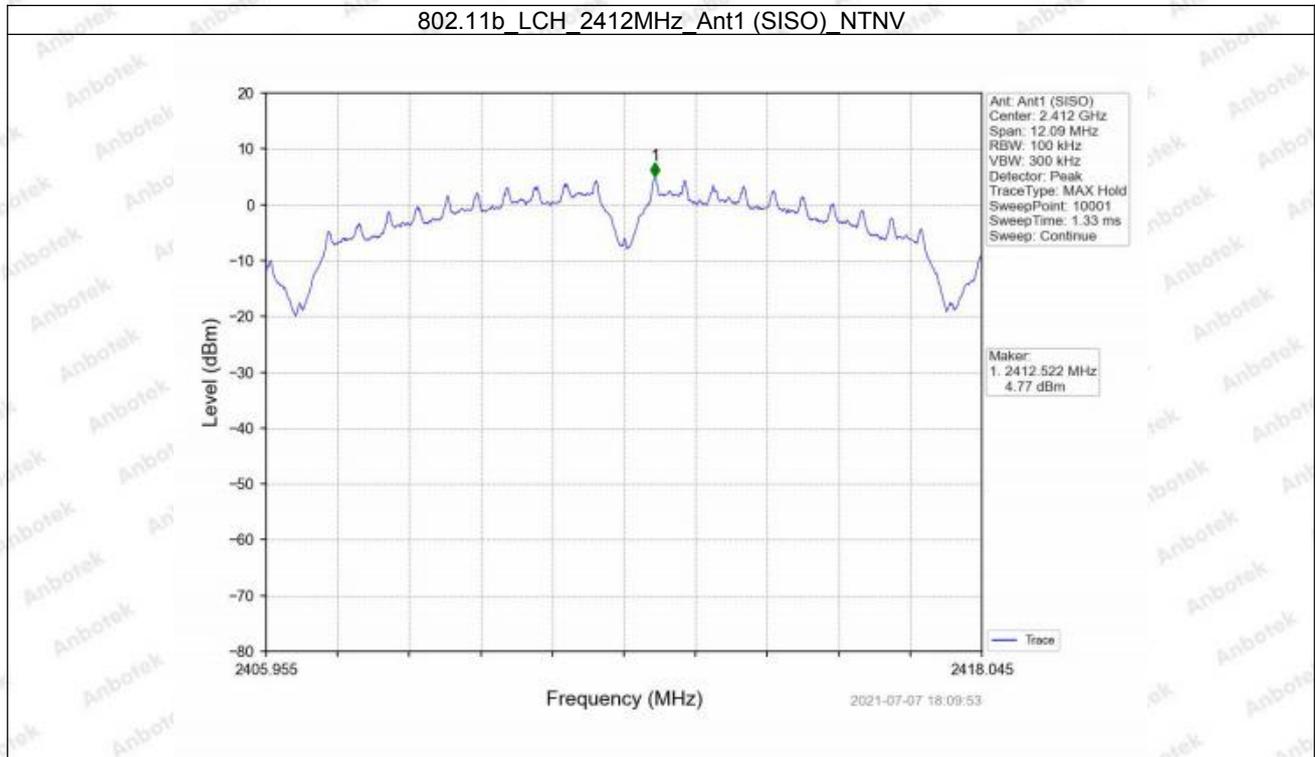
5.1 Ref

5.1.1 Test Result

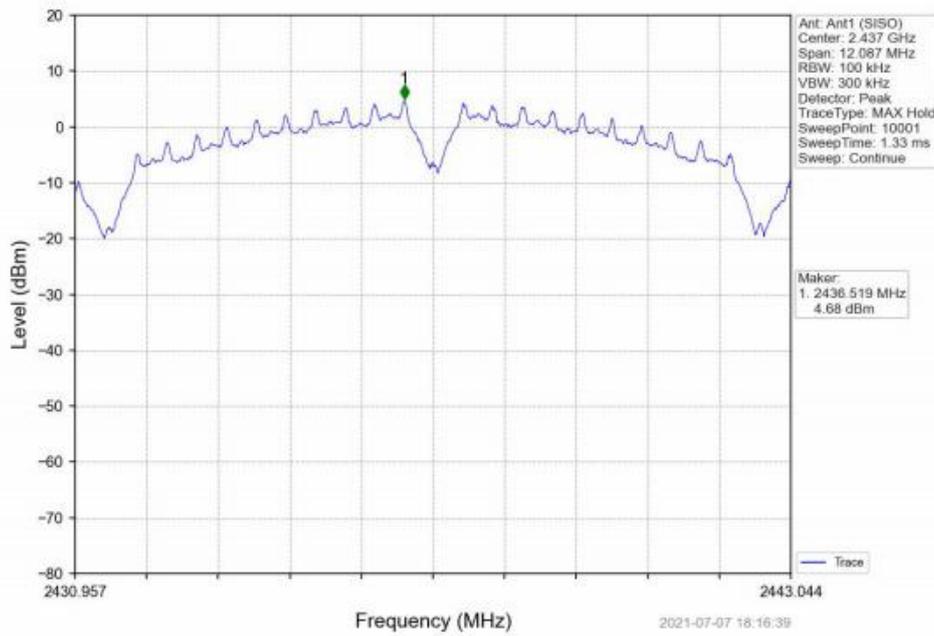
| Mode | TX Type | Frequency (MHz) | Ant | Level of Reference (dBm) |
|----------------|---------|-----------------|-----|--------------------------|
| 802.11b | SISO | 2412 | 1 | 4.77 |
| | | | 2 | 5.06 |
| | | 2437 | 1 | 4.68 |
| | | | 2 | 4.95 |
| | | 2462 | 1 | 4.64 |
| | | | 2 | 5.05 |
| 802.11g | SISO | 2412 | 1 | -2.94 |
| | | | 2 | -1.21 |
| | | 2437 | 1 | -2.56 |
| | | | 2 | -0.97 |
| | | 2462 | 1 | -2.81 |
| | | | 2 | -1.85 |
| 802.11n (HT20) | MIMO | 2412 | 1 | -3.39 |
| | | | 2 | -3.32 |
| | | 2437 | 1 | -4.09 |
| | | | 2 | -2.67 |
| | | 2462 | 1 | -3.82 |
| | | | 2 | -3.69 |
| 802.11n (HT40) | MIMO | 2422 | 1 | -6.92 |
| | | | 2 | -6.17 |
| | | 2437 | 1 | -6.91 |
| | | | 2 | -6.20 |
| | | 2452 | 1 | -6.84 |
| | | | 2 | -6.59 |

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

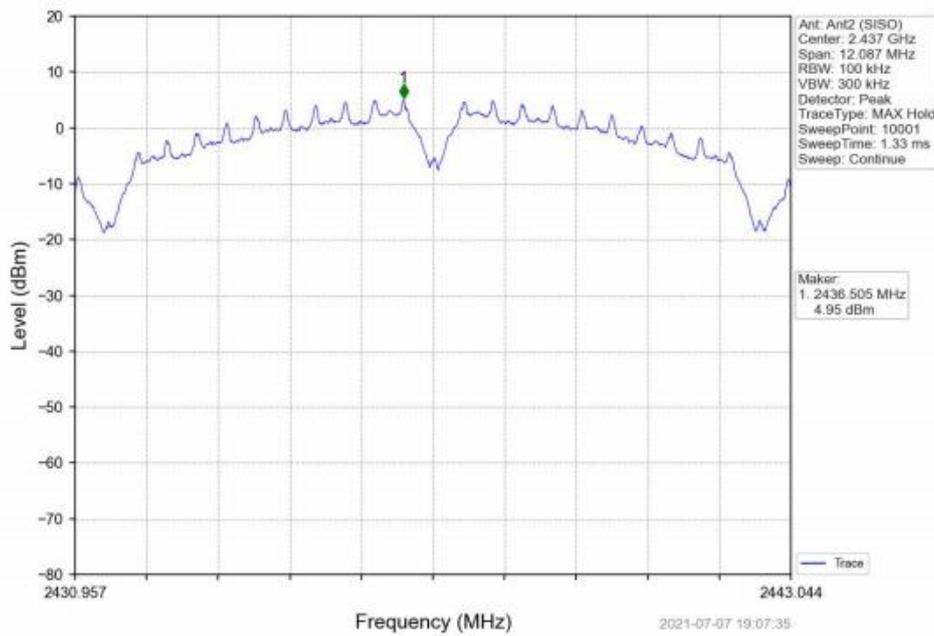
5.1.2 Test Graph



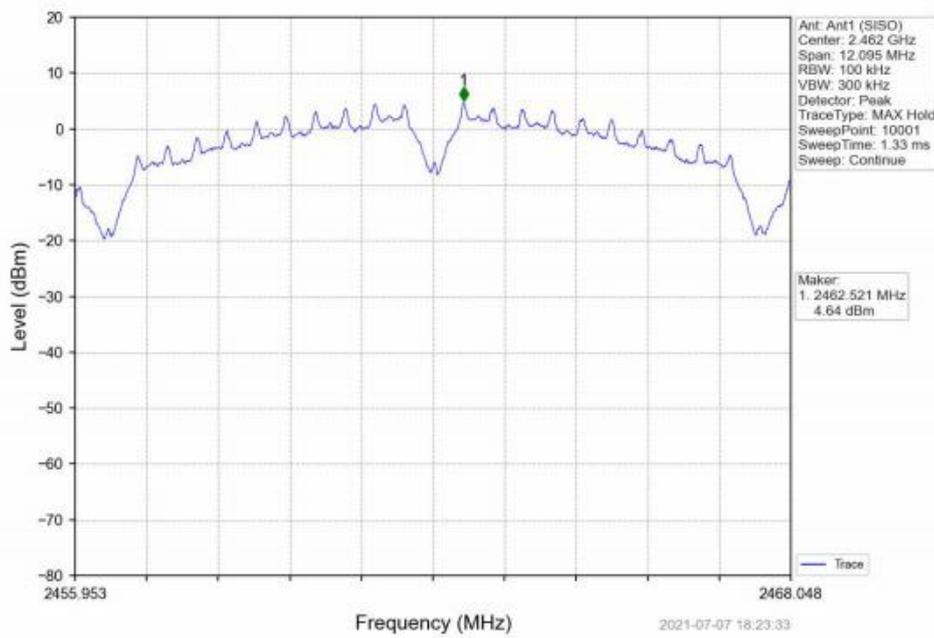
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



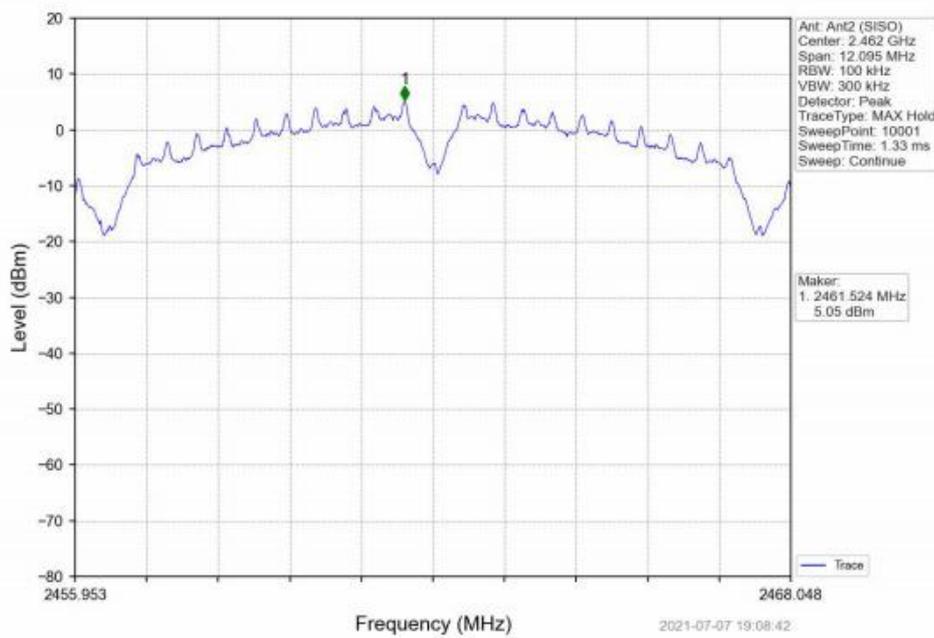
802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



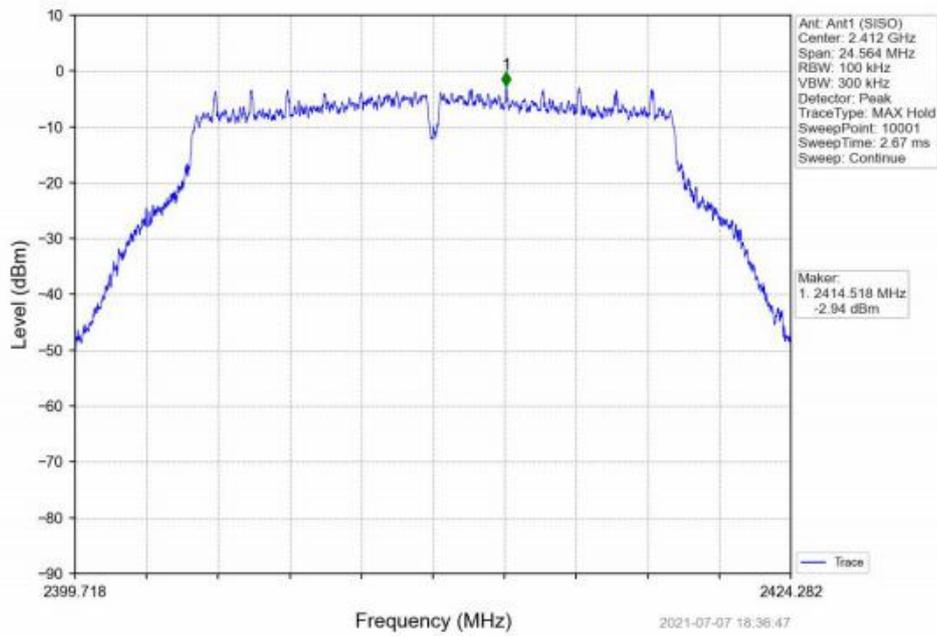
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



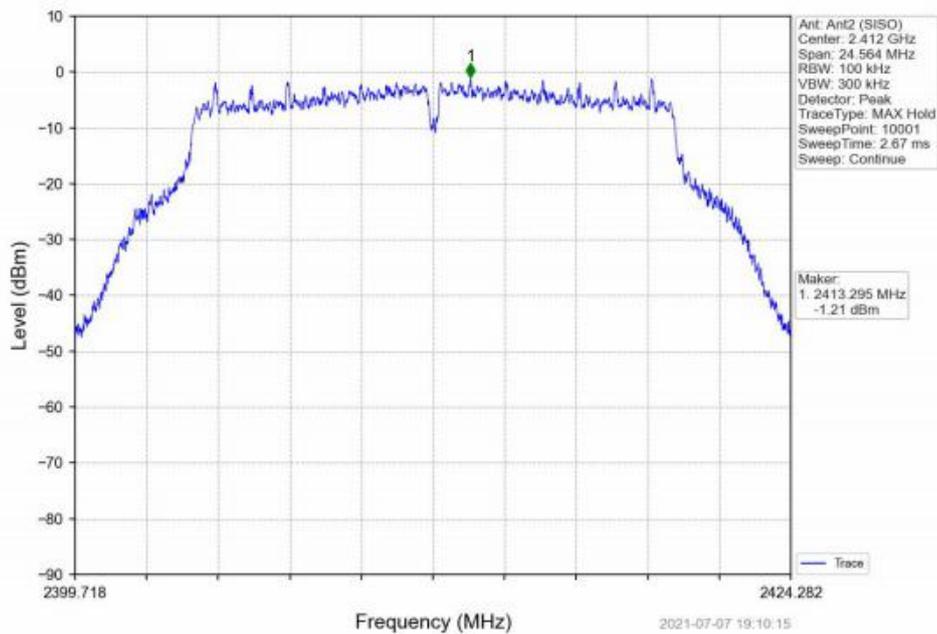
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



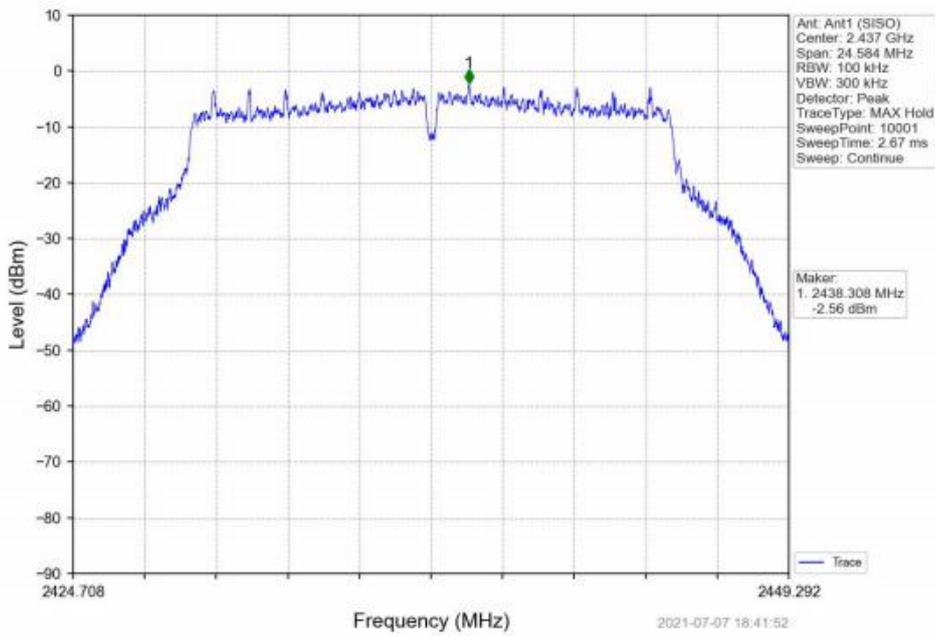
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



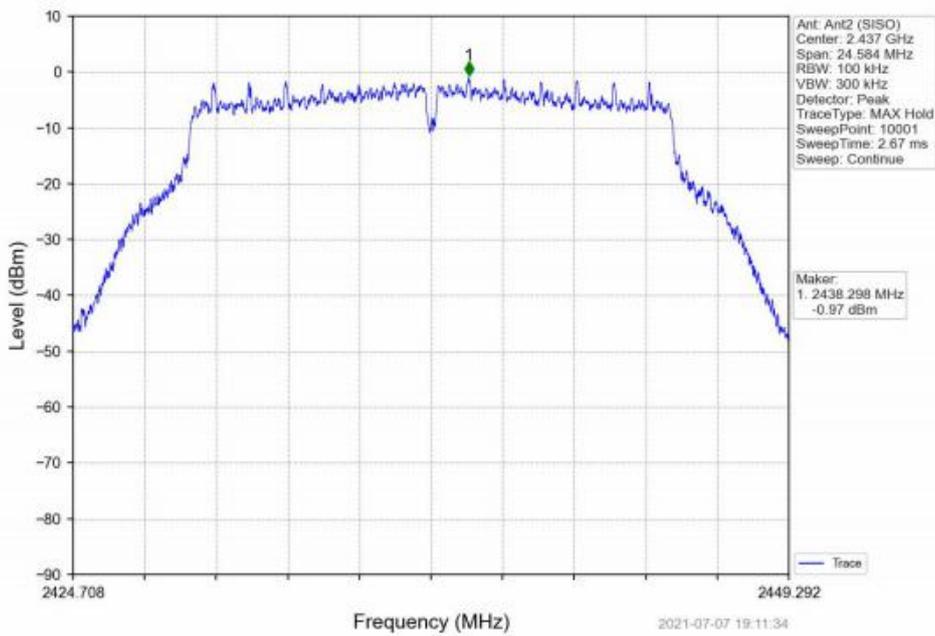
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



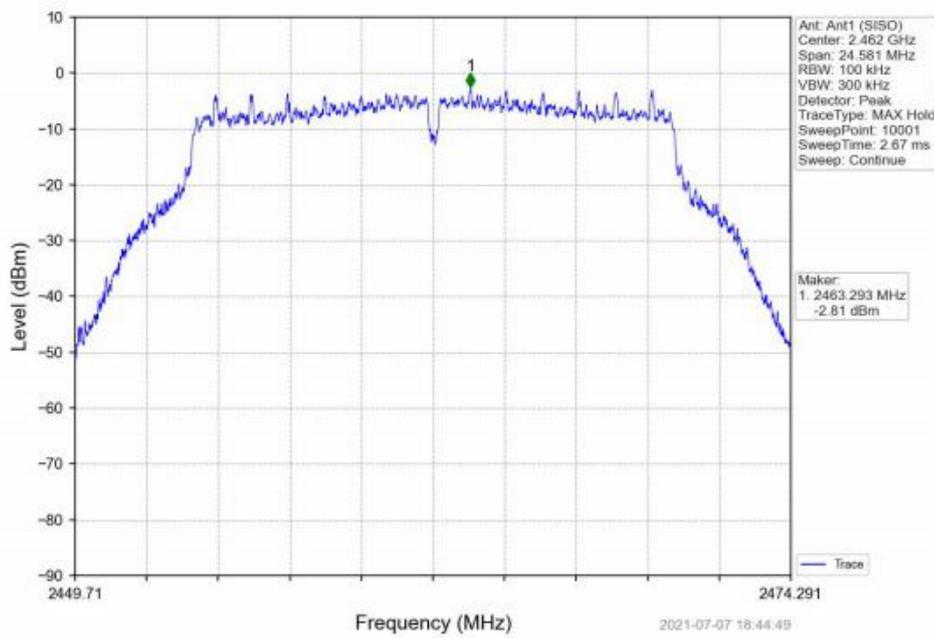
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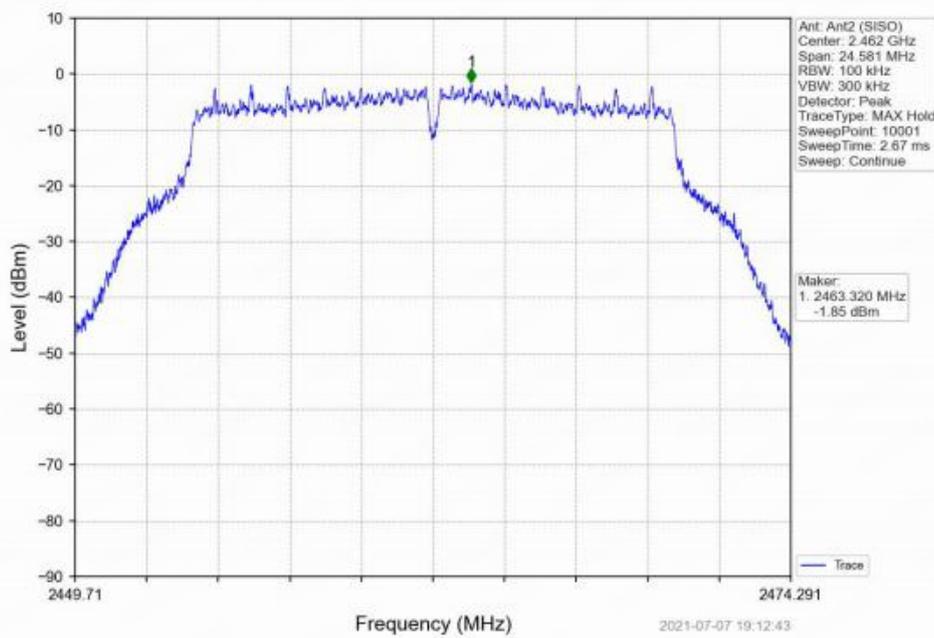
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802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV

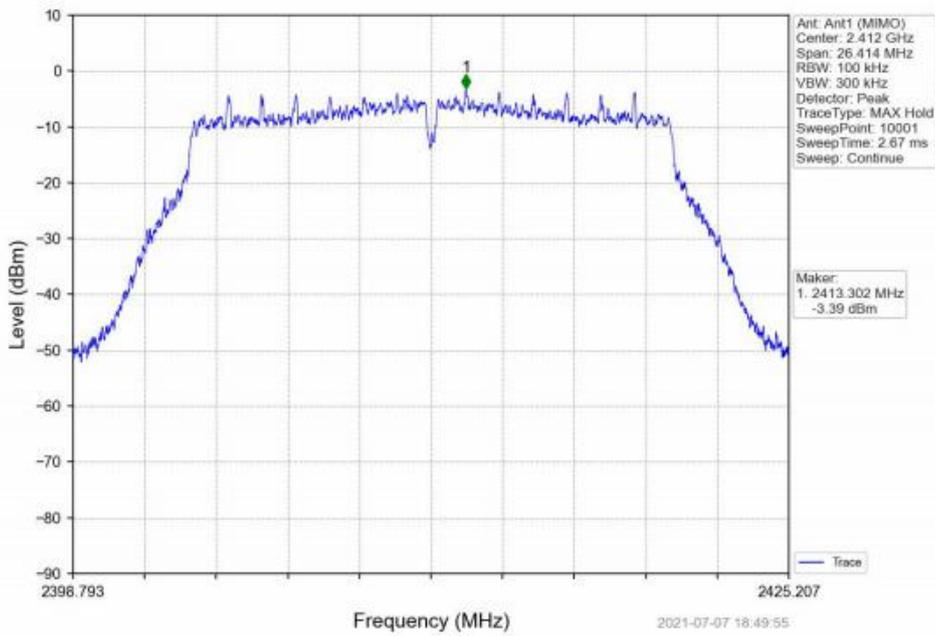


Shenzhen Anbotek Compliance Laboratory Limited

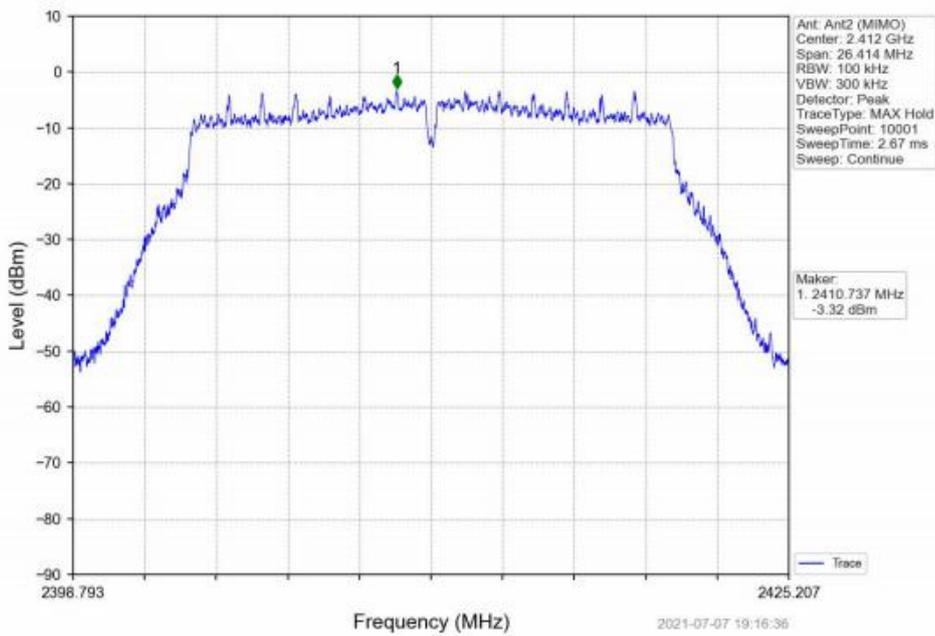
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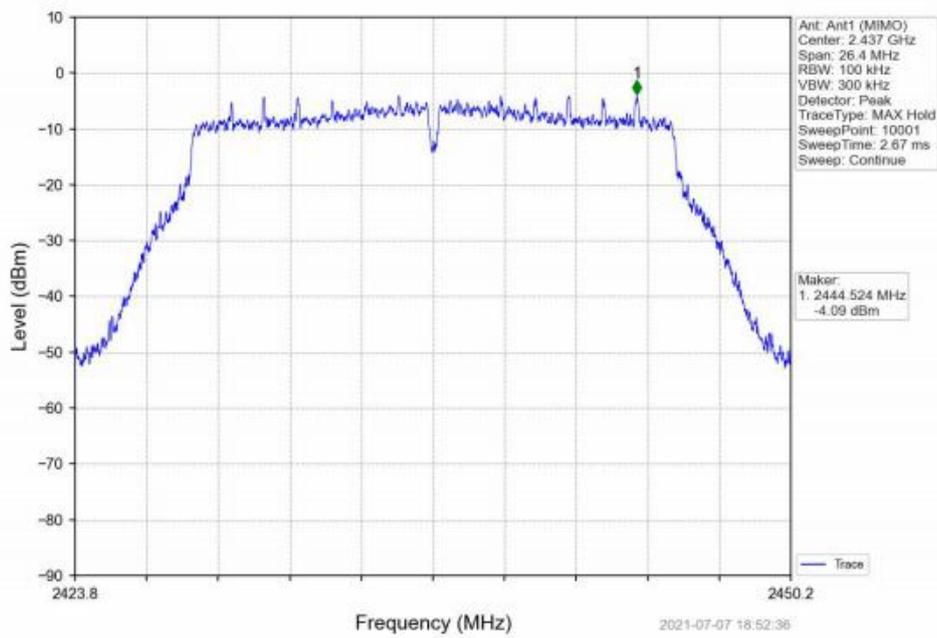
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



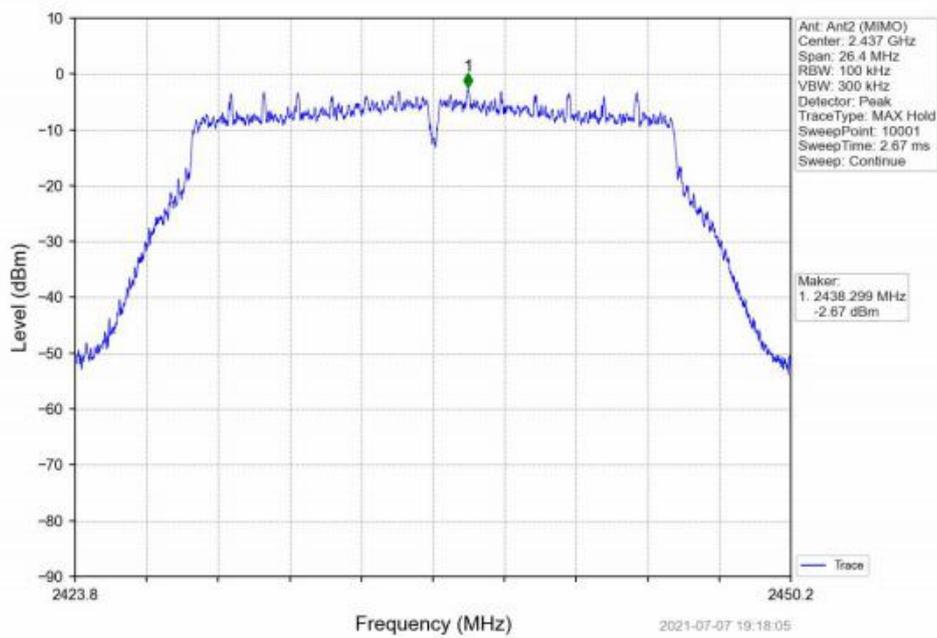
802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV



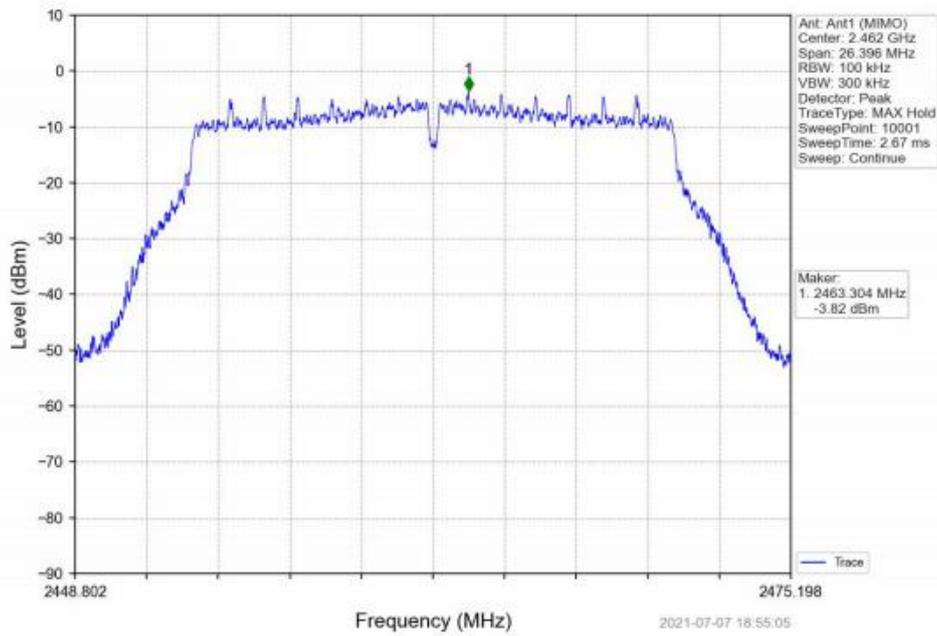
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



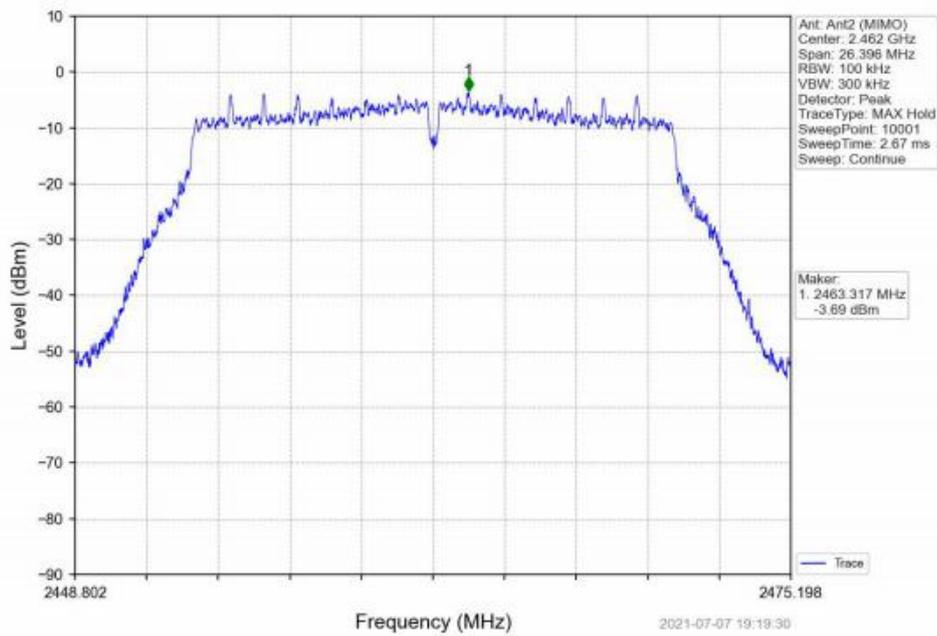
802.11n(HT20)_MCH_2437MHz_Ant2 (MIMO)_NTNV



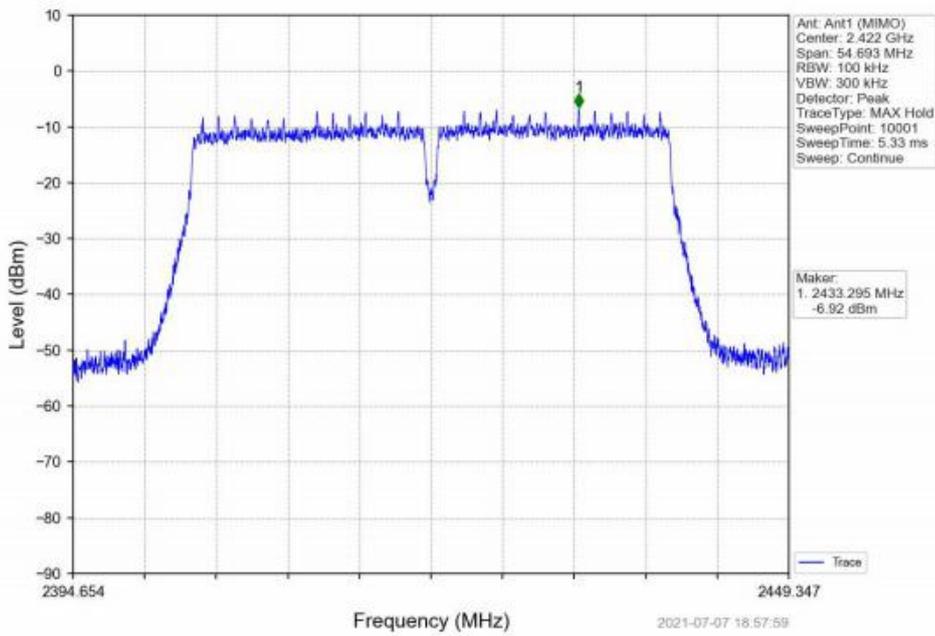
802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



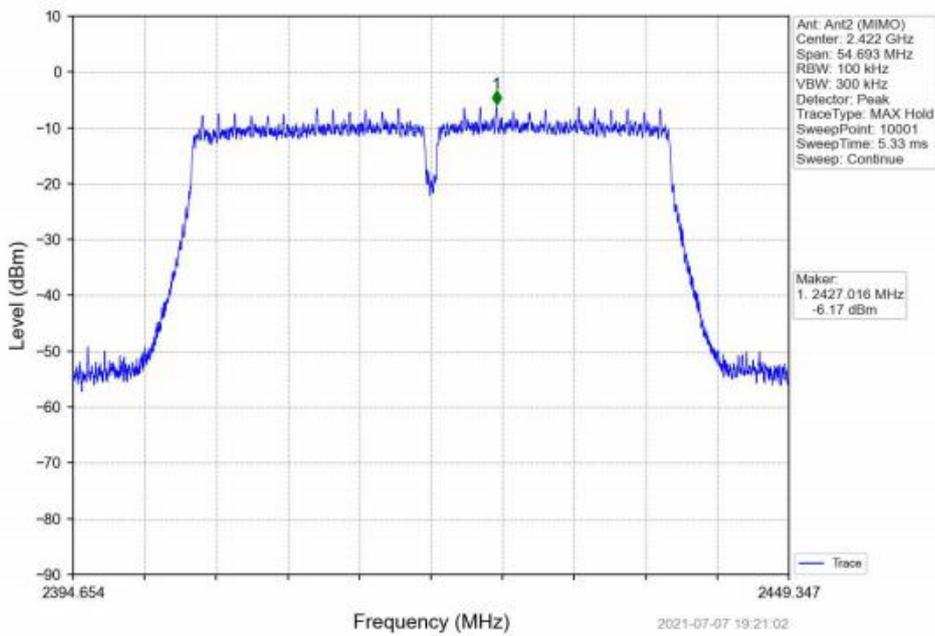
802.11n(HT20)_HCH_2462MHz_Ant2 (MIMO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant2 (MIMO)_NTNV



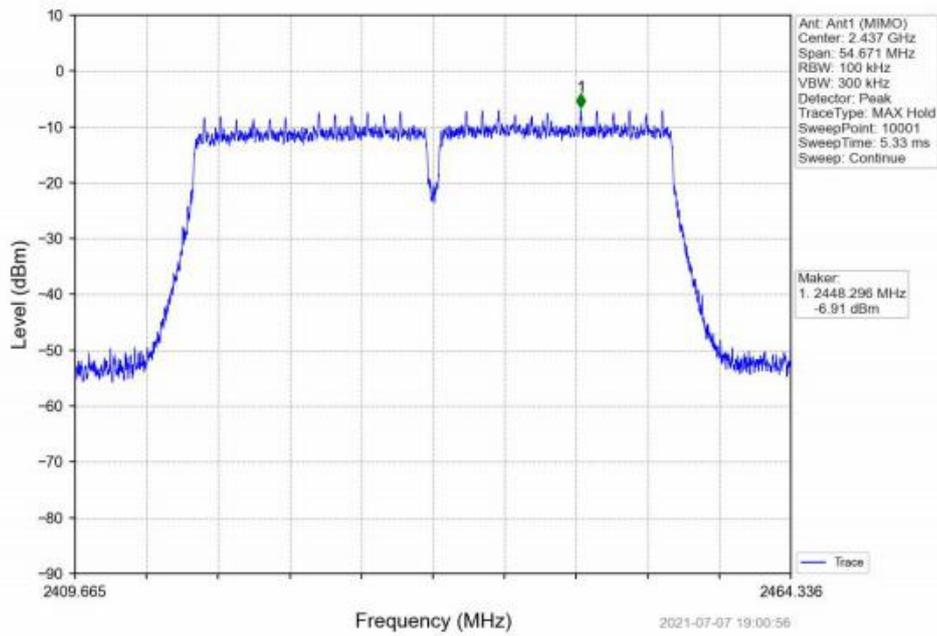
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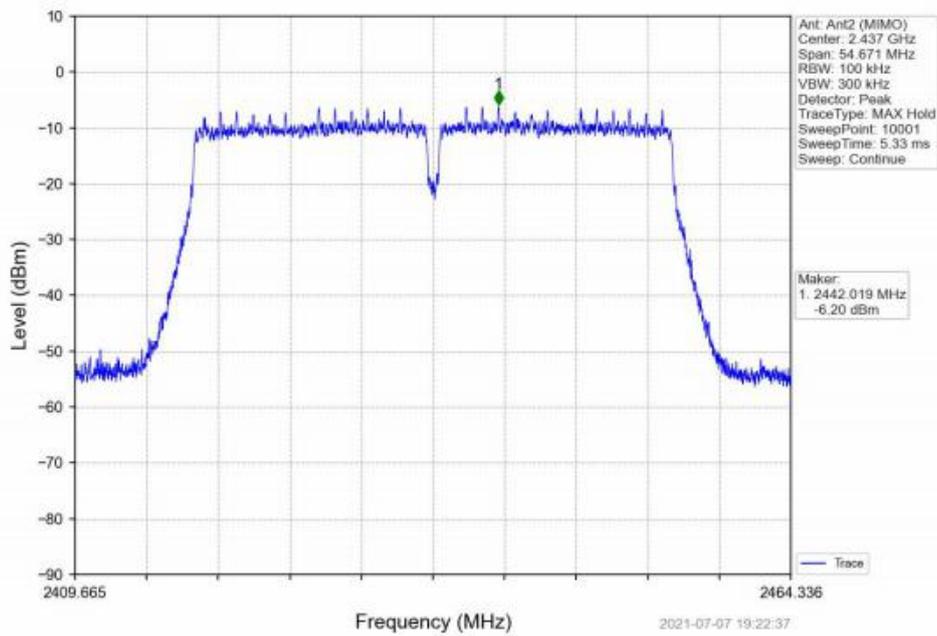
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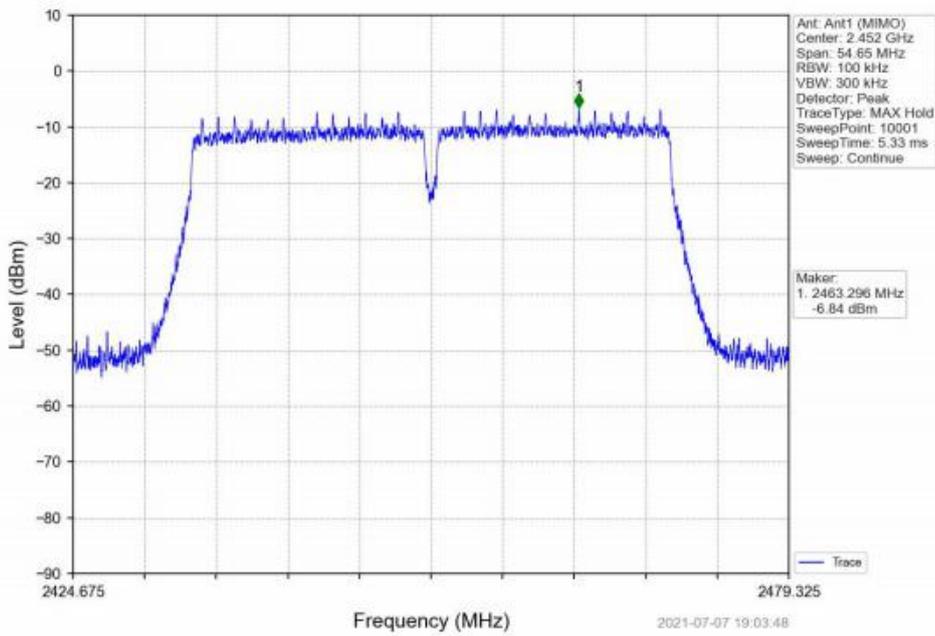
802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



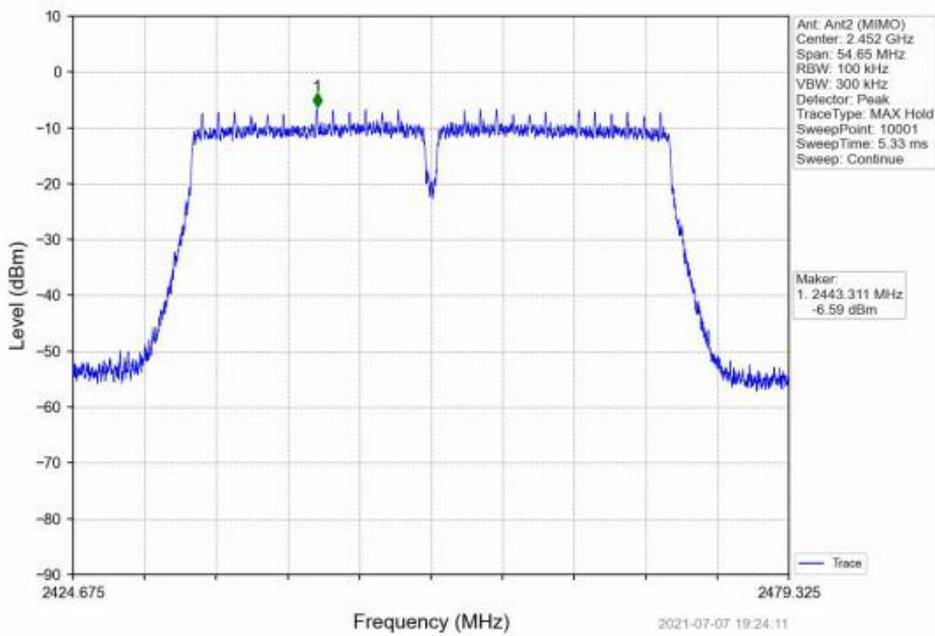
802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant2 (MIMO)_NTNV



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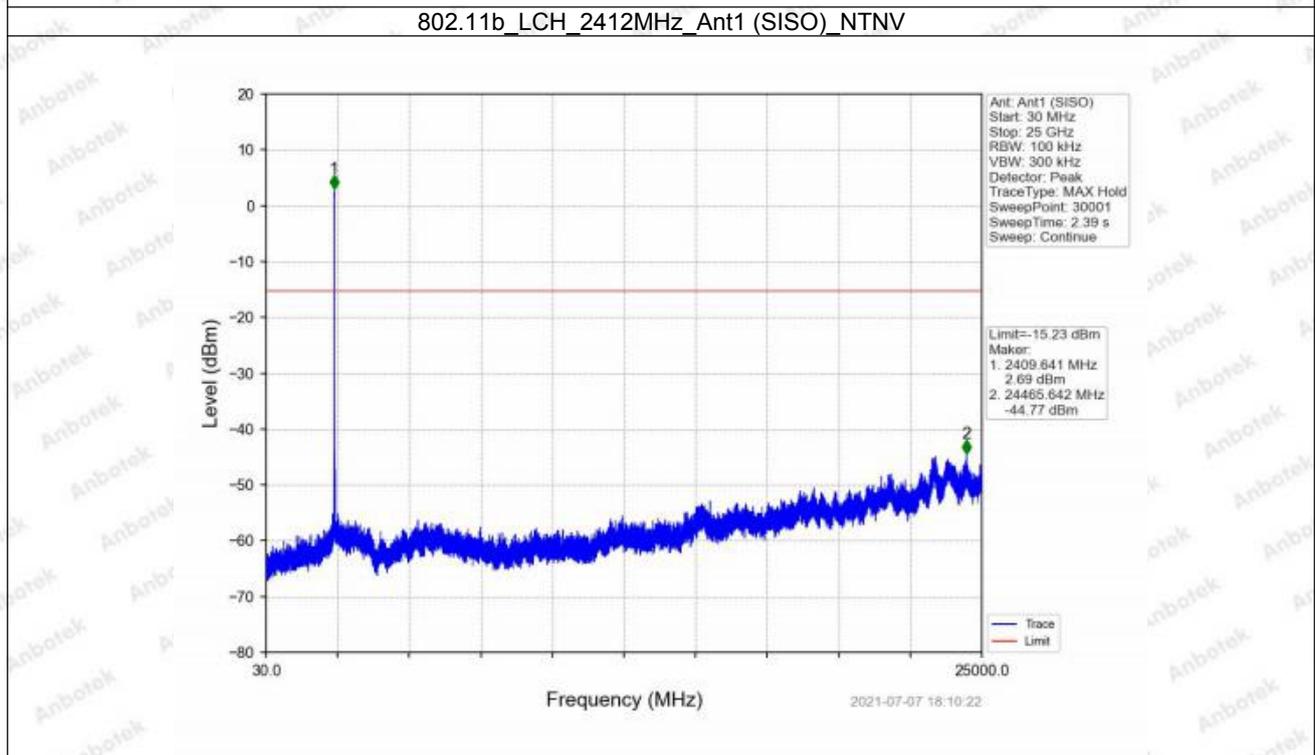
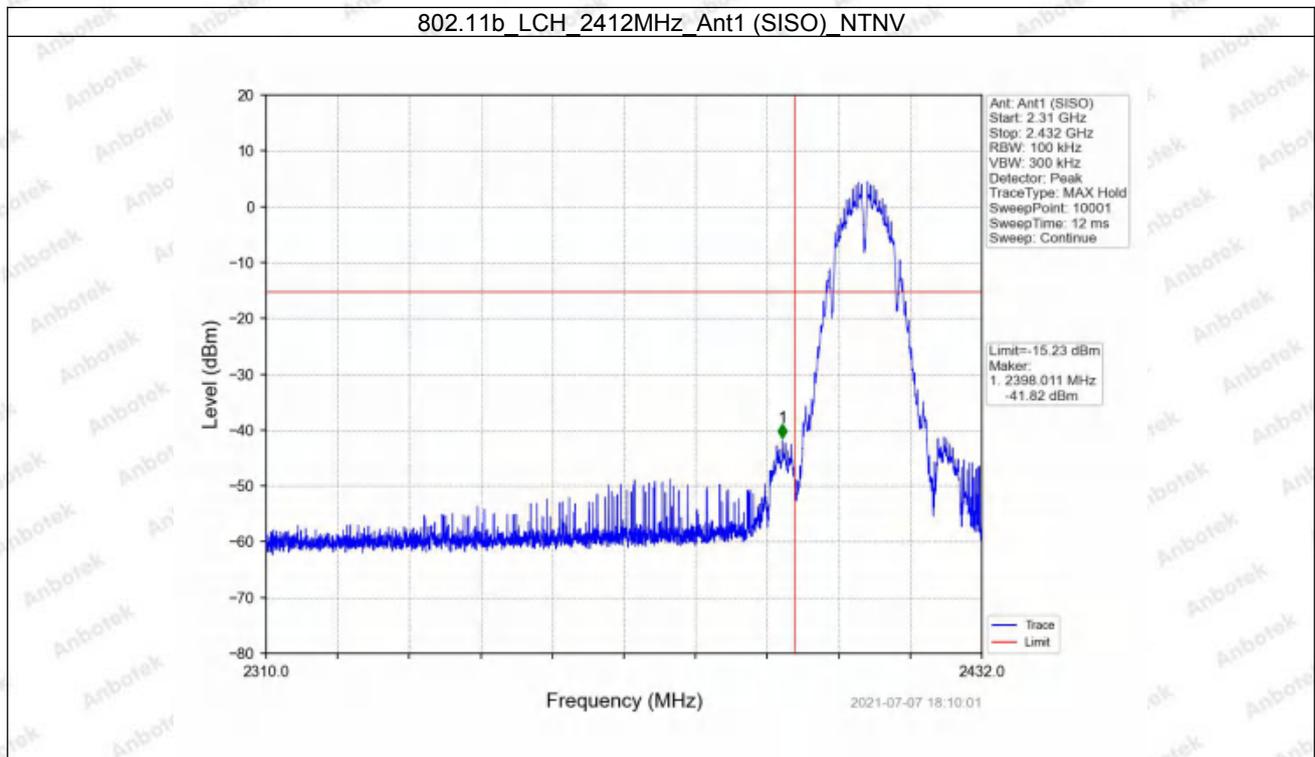
5.2 CSE

5.2.1 Test Result

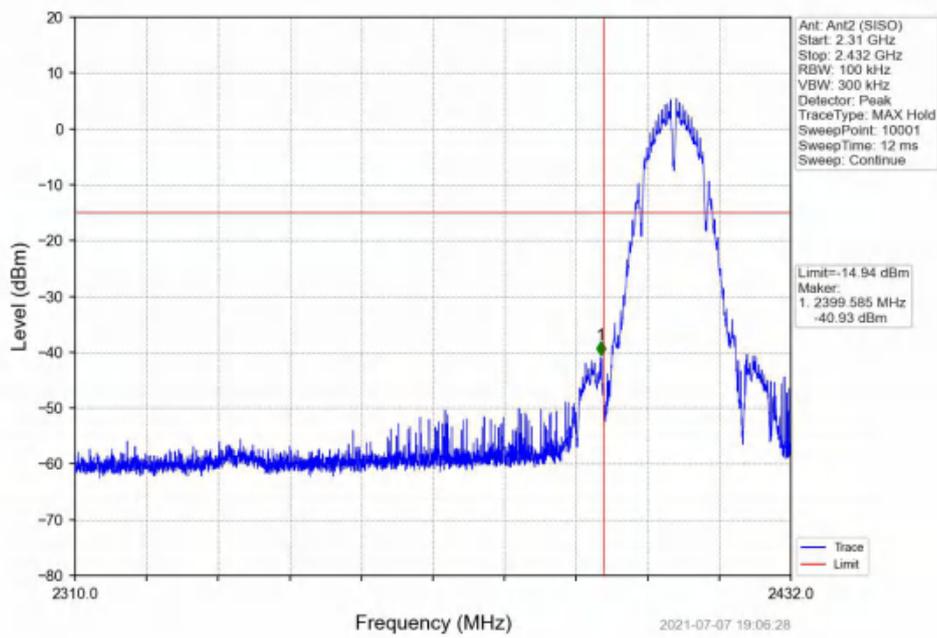
| Mode | TX Type | Frequency (MHz) | Ant | Level of Reference (dBm) | Limit (dBm) | Verdict |
|-------------------|---------|-----------------|-----|--------------------------|-------------|---------|
| 802.11b | SISO | 2412 | 1 | 4.77 | -15.23 | Pass |
| | | | 2 | 5.06 | -14.94 | Pass |
| | | 2437 | 1 | 4.77 | -15.23 | Pass |
| | | | 2 | 5.06 | -14.94 | Pass |
| | | 2462 | 1 | 4.77 | -15.23 | Pass |
| | | | 2 | 5.06 | -14.94 | Pass |
| 802.11g | SISO | 2412 | 1 | -2.56 | -22.56 | Pass |
| | | | 2 | -0.97 | -20.97 | Pass |
| | | 2437 | 1 | -2.56 | -22.56 | Pass |
| | | | 2 | -0.97 | -20.97 | Pass |
| | | 2462 | 1 | -2.56 | -22.56 | Pass |
| | | | 2 | -0.97 | -20.97 | Pass |
| 802.11n (HT20) | MIMO | 2412 | 1 | -3.39 | -23.39 | Pass |
| | | | 2 | -2.67 | -22.67 | Pass |
| | | 2437 | 1 | -3.39 | -23.39 | Pass |
| | | | 2 | -2.67 | -22.67 | Pass |
| | | 2462 | 1 | -3.39 | -23.39 | Pass |
| | | | 2 | -2.67 | -22.67 | Pass |
| 802.11n (HT40) | MIMO | 2422 | 1 | -6.84 | -26.84 | Pass |
| | | | 2 | -6.17 | -26.17 | Pass |
| | | 2437 | 1 | -6.84 | -26.84 | Pass |
| | | | 2 | -6.17 | -26.17 | Pass |
| | | 2452 | 1 | -6.84 | -26.84 | Pass |
| | | | 2 | -6.17 | -26.17 | Pass |

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

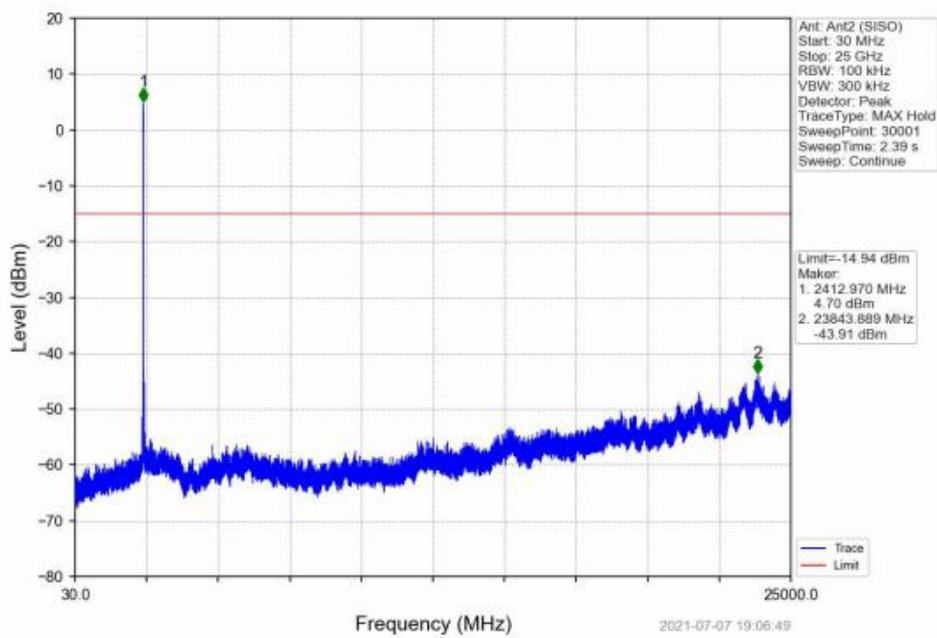
5.2.2 Test Graph



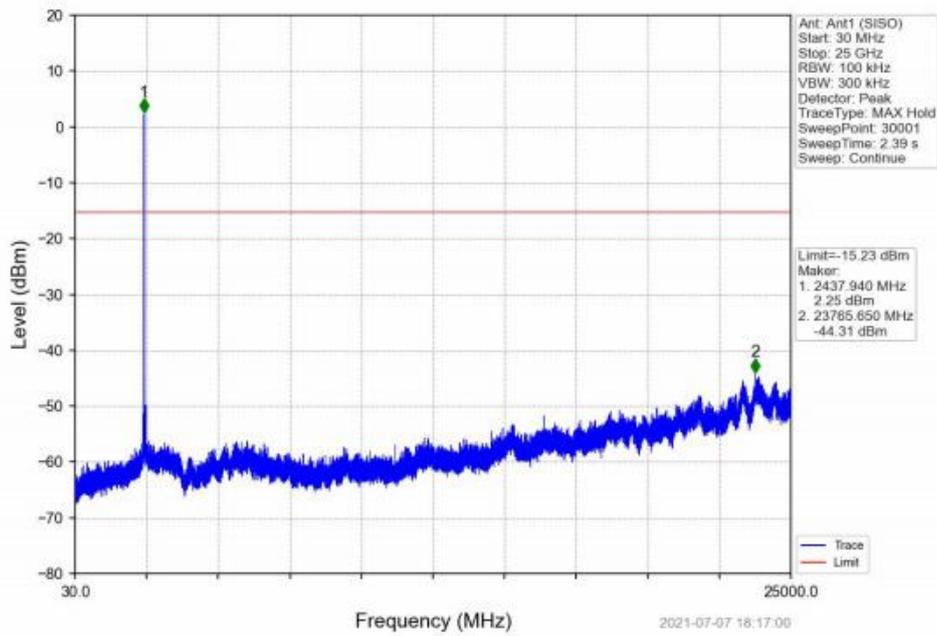
802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



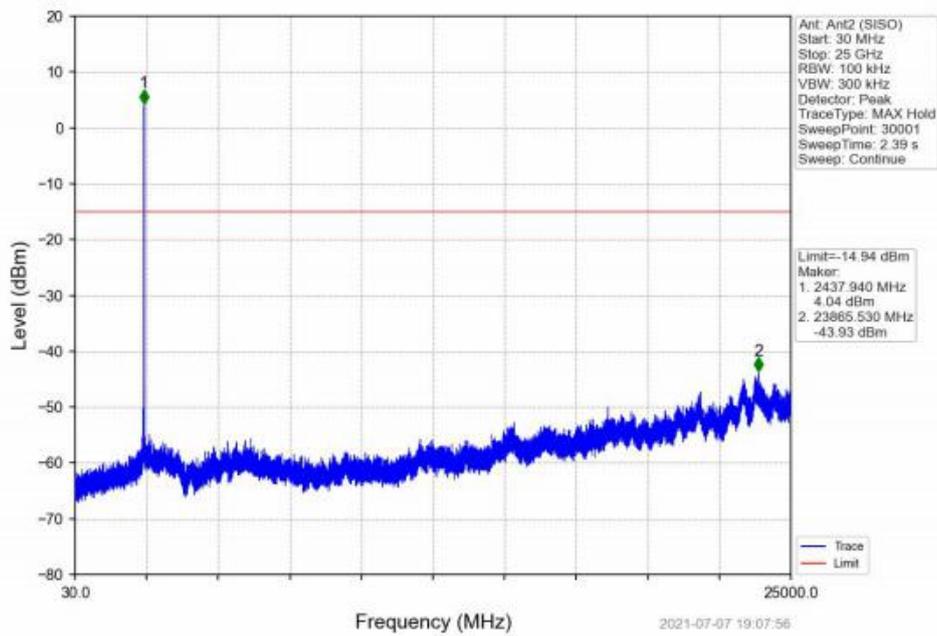
802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



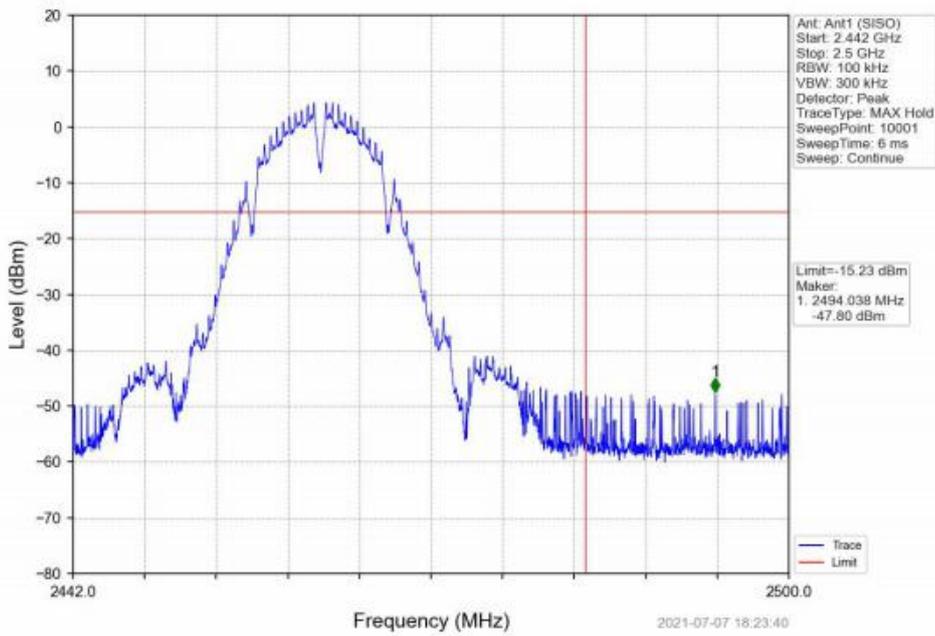
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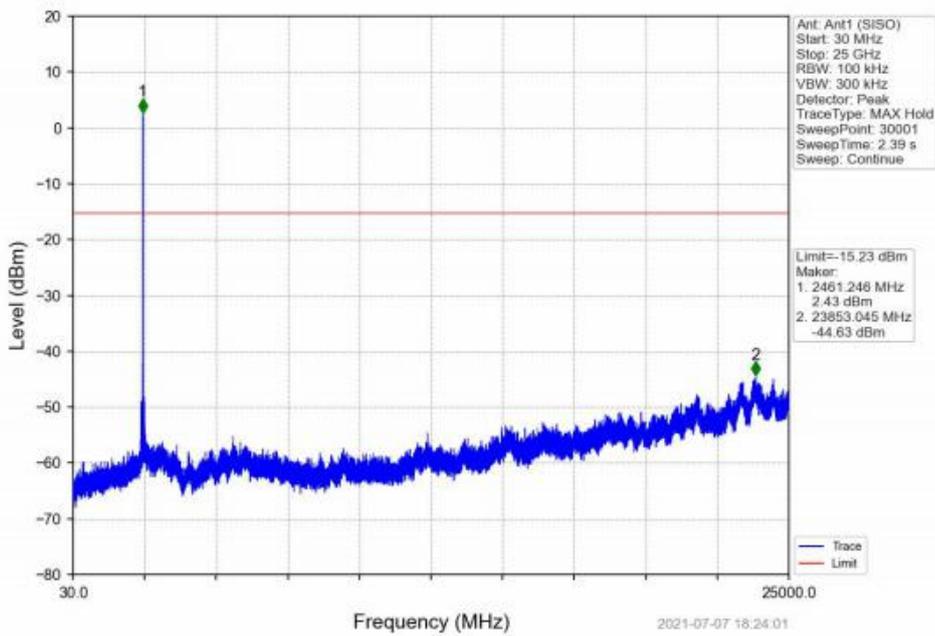
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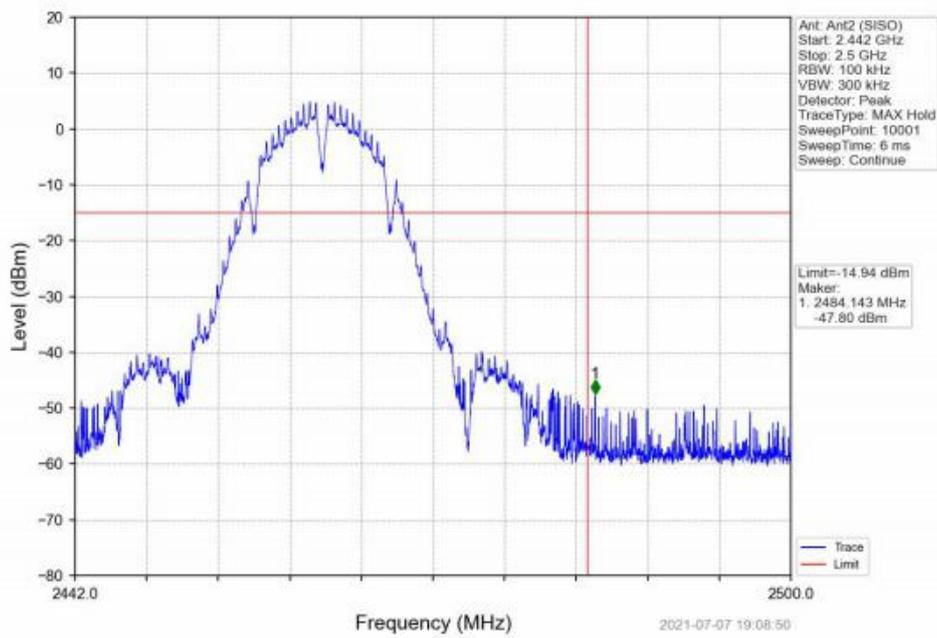
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



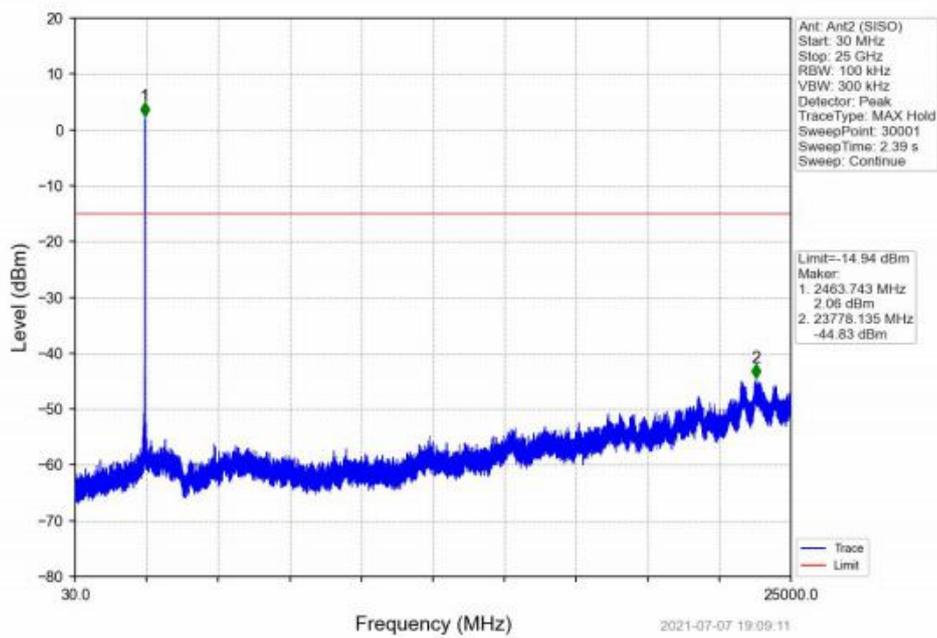
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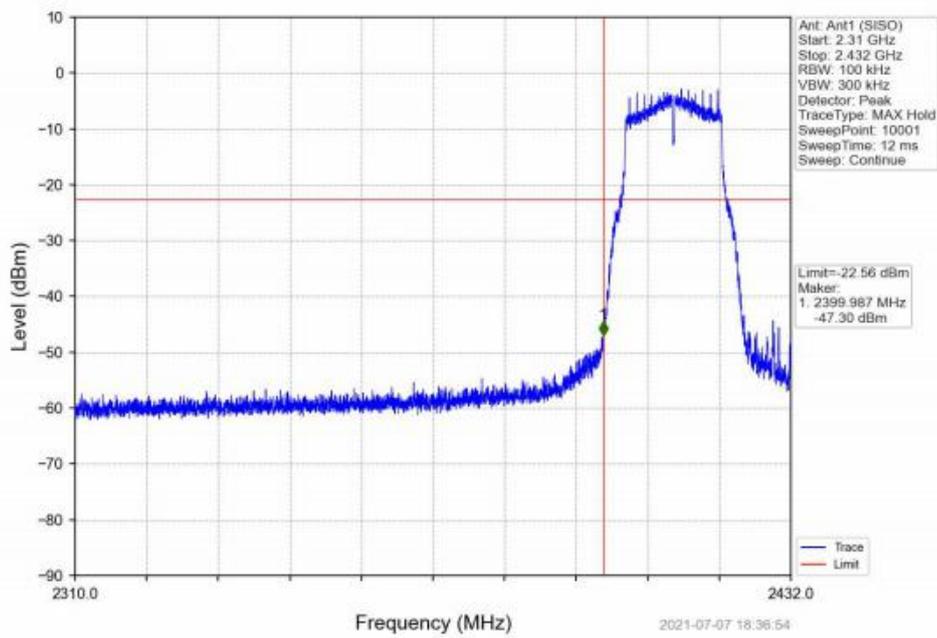
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



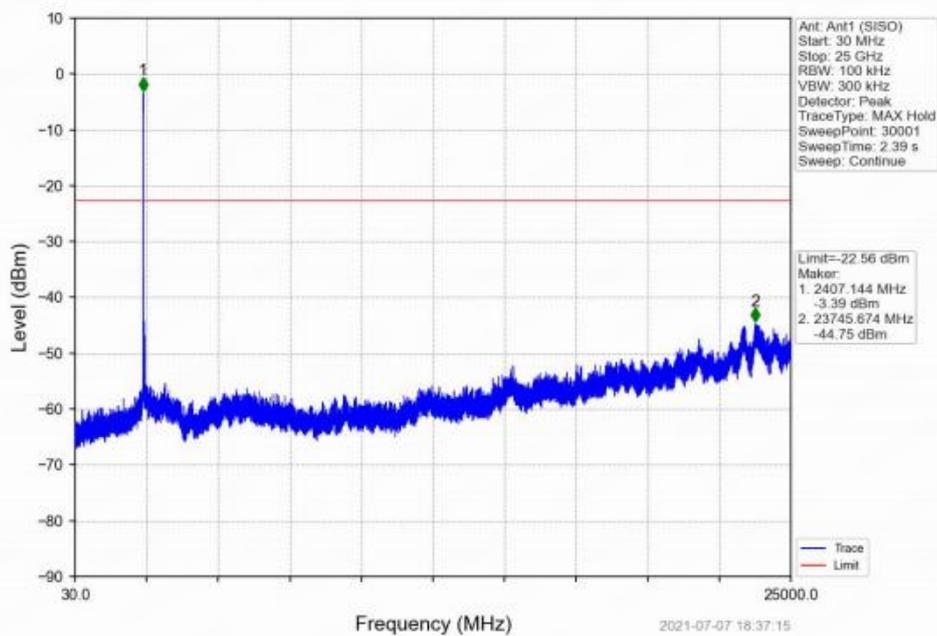
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



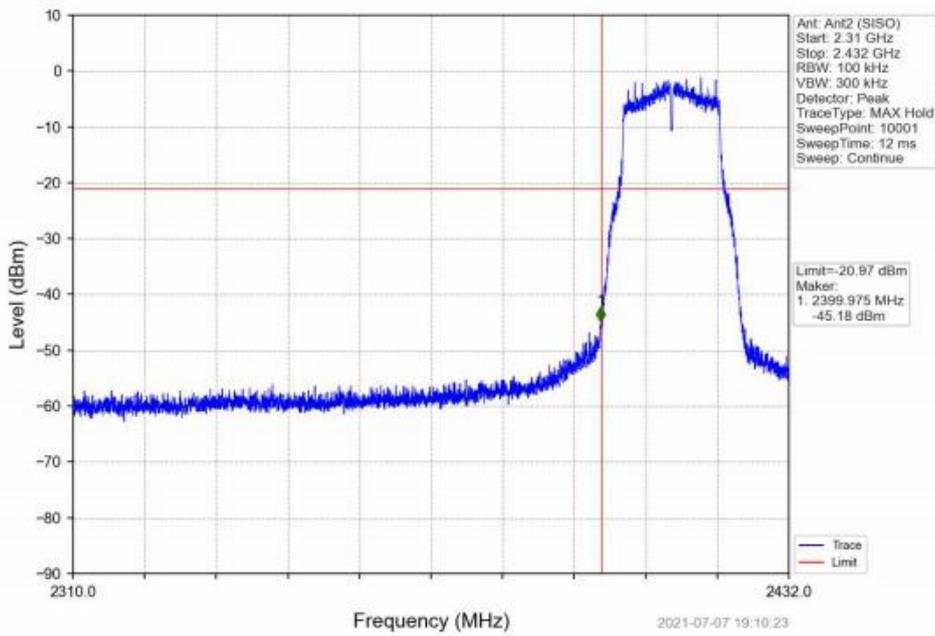
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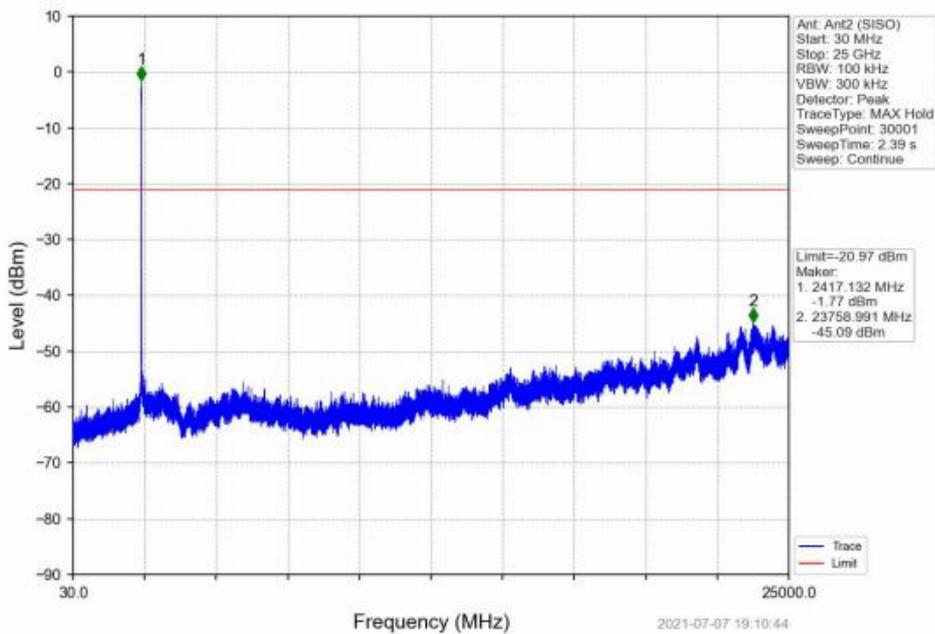
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802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



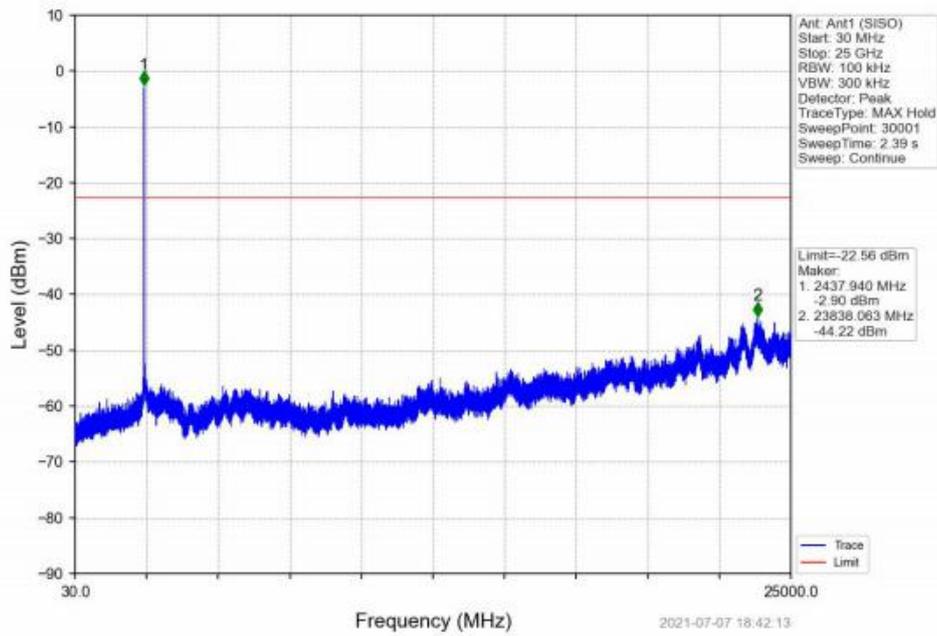
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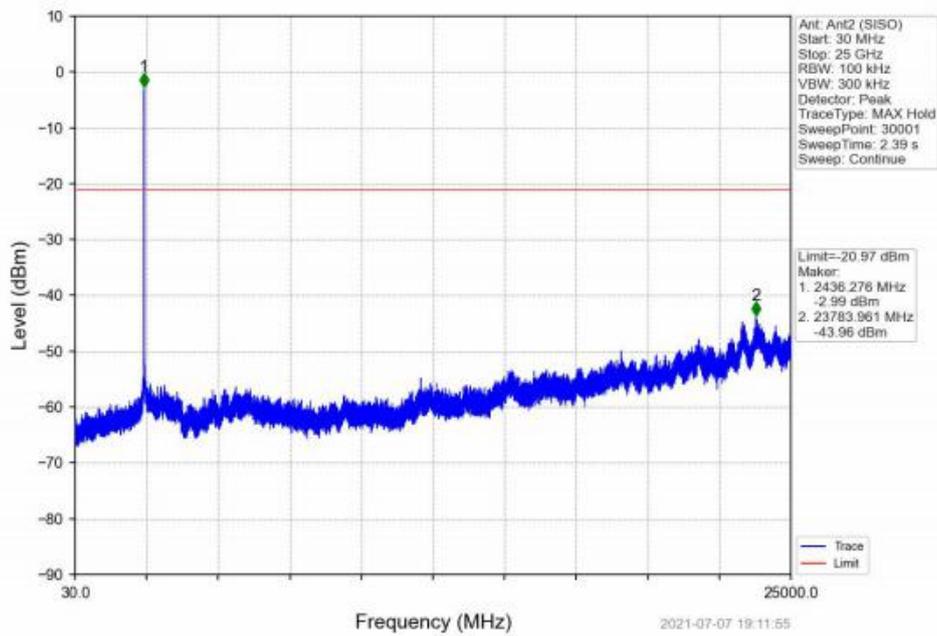
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802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



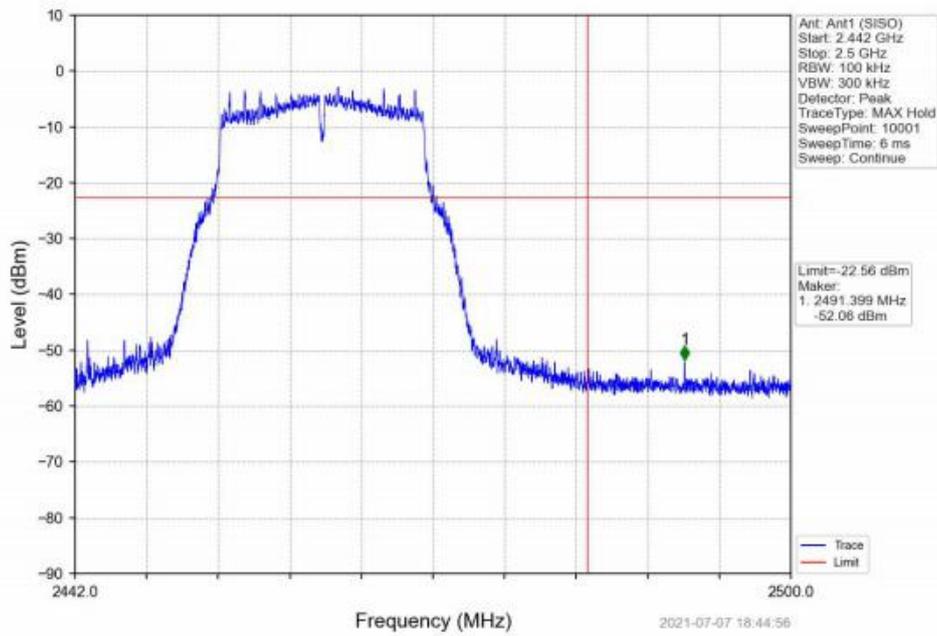
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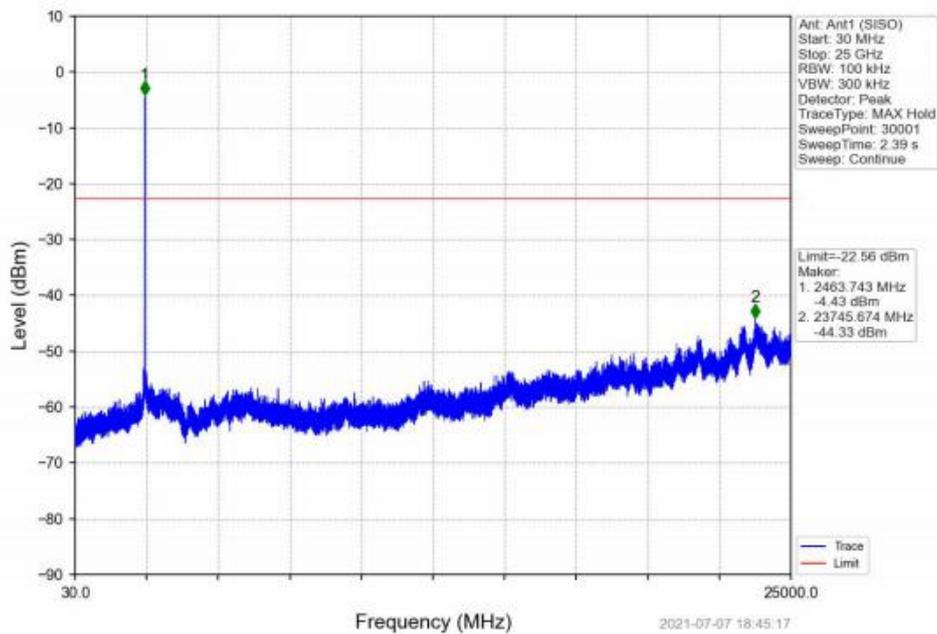
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802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



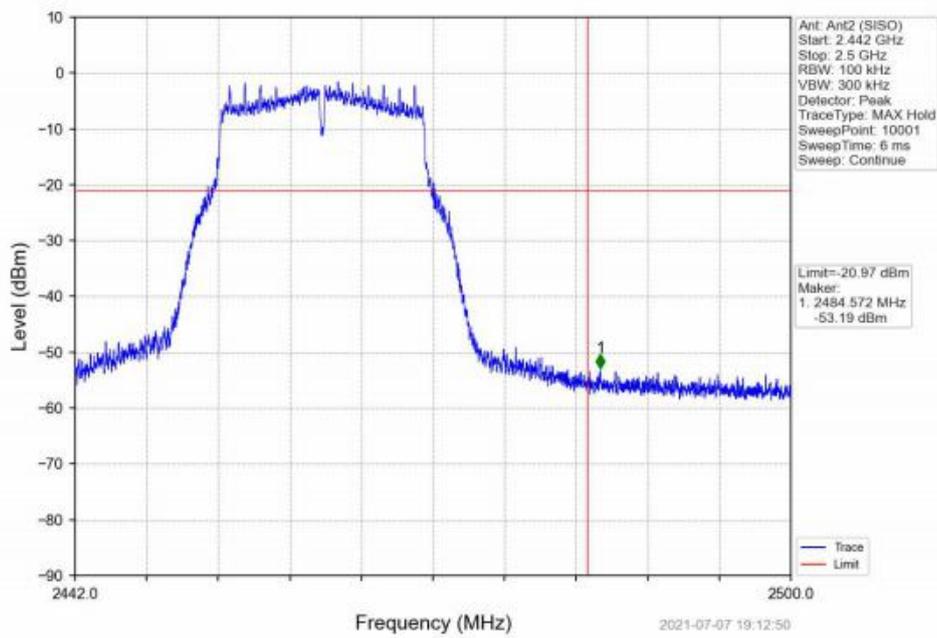
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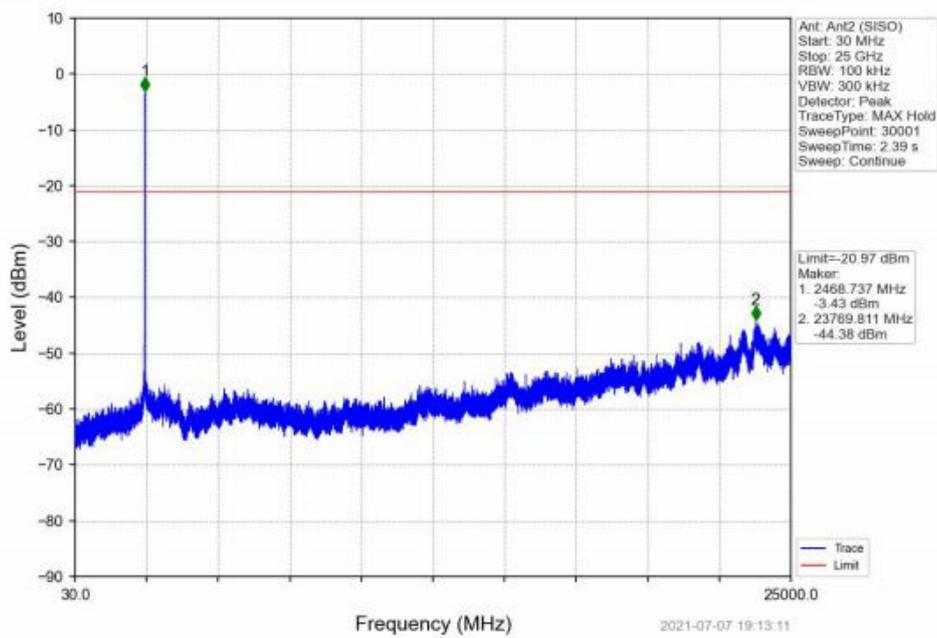
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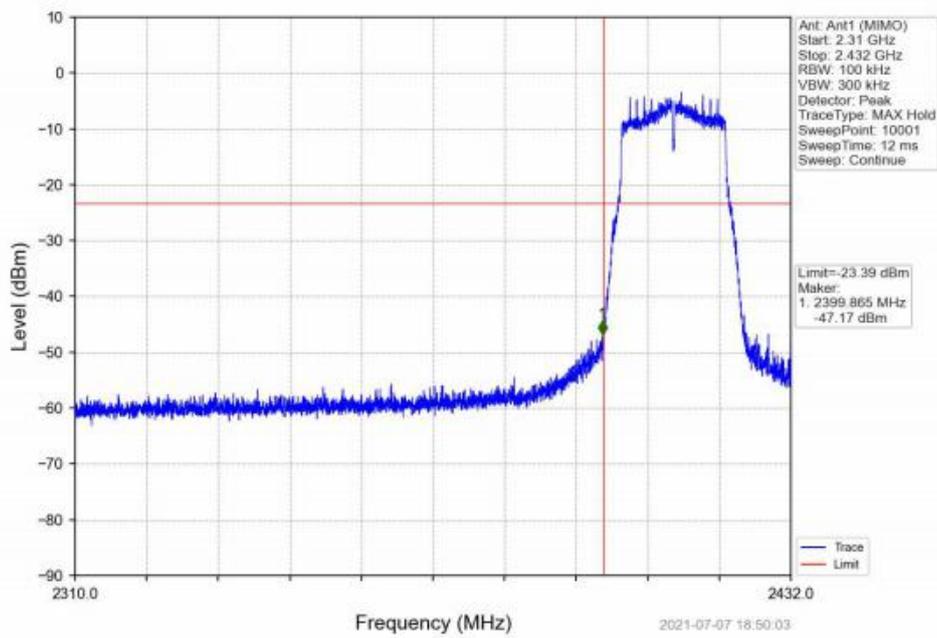
802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



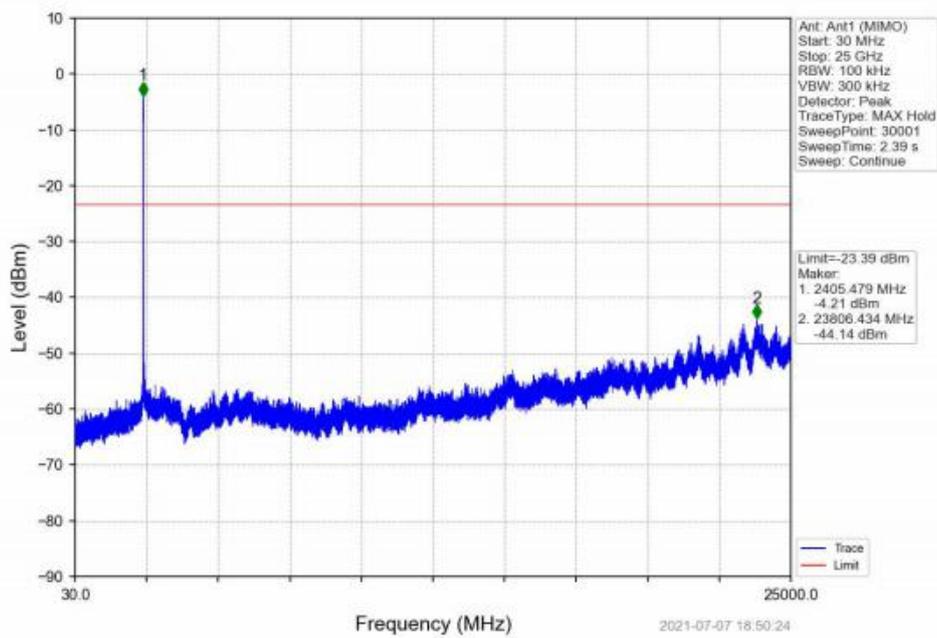
802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



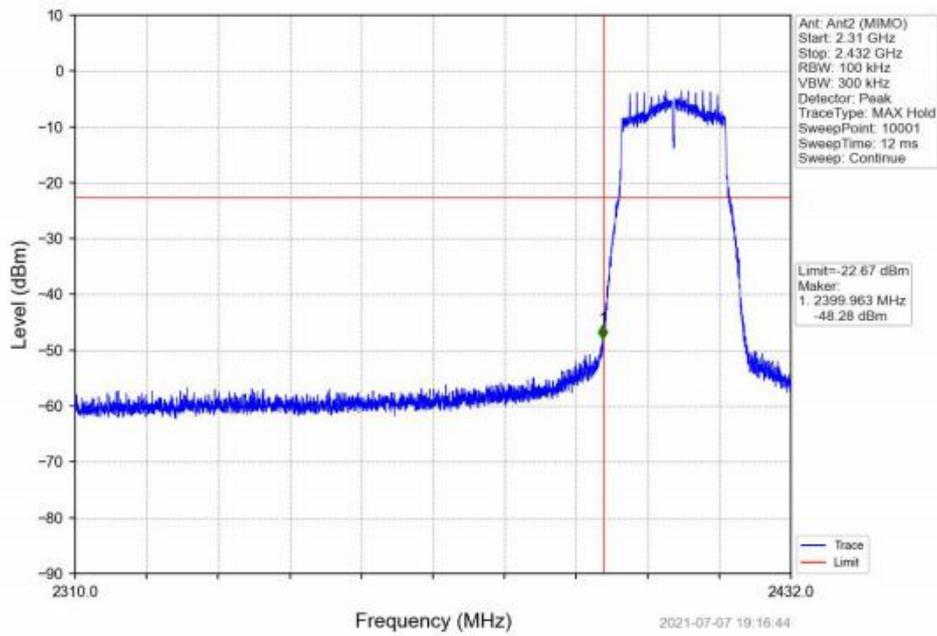
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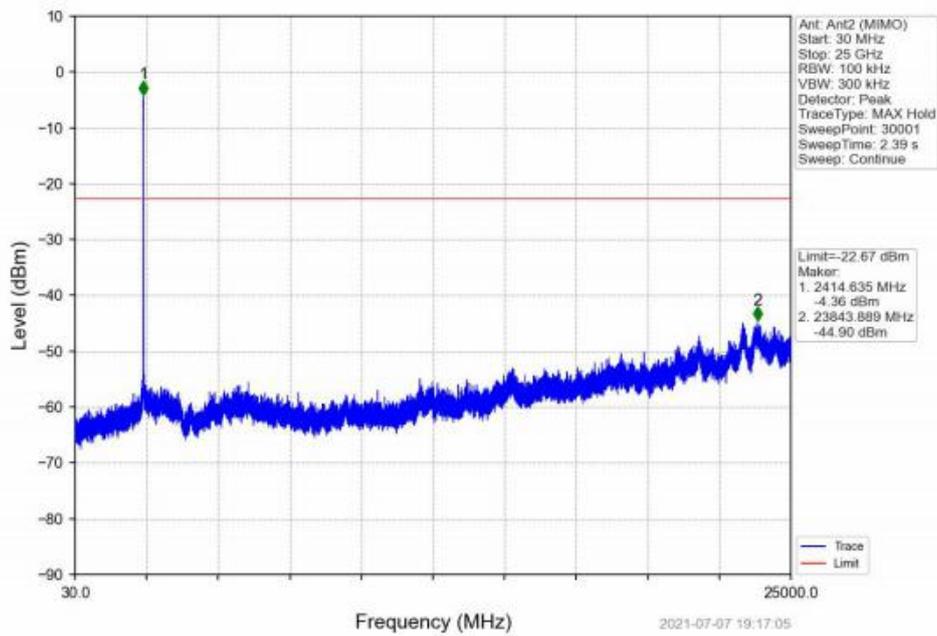
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802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV



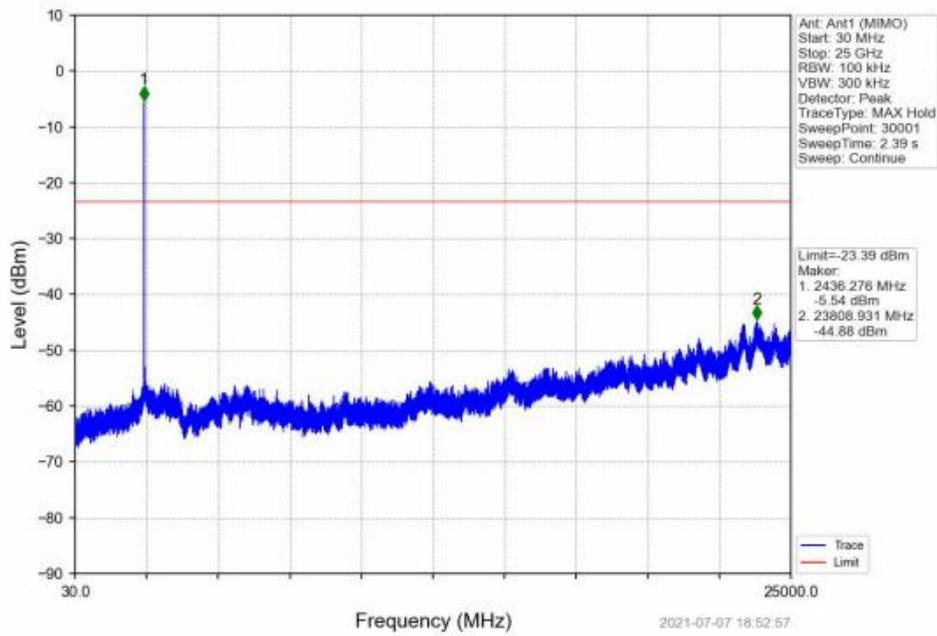
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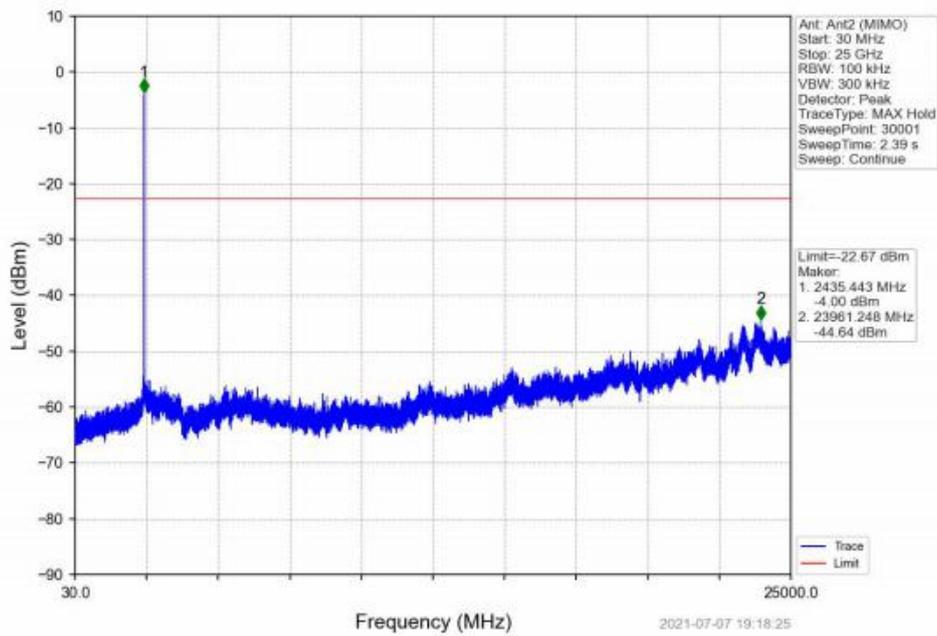
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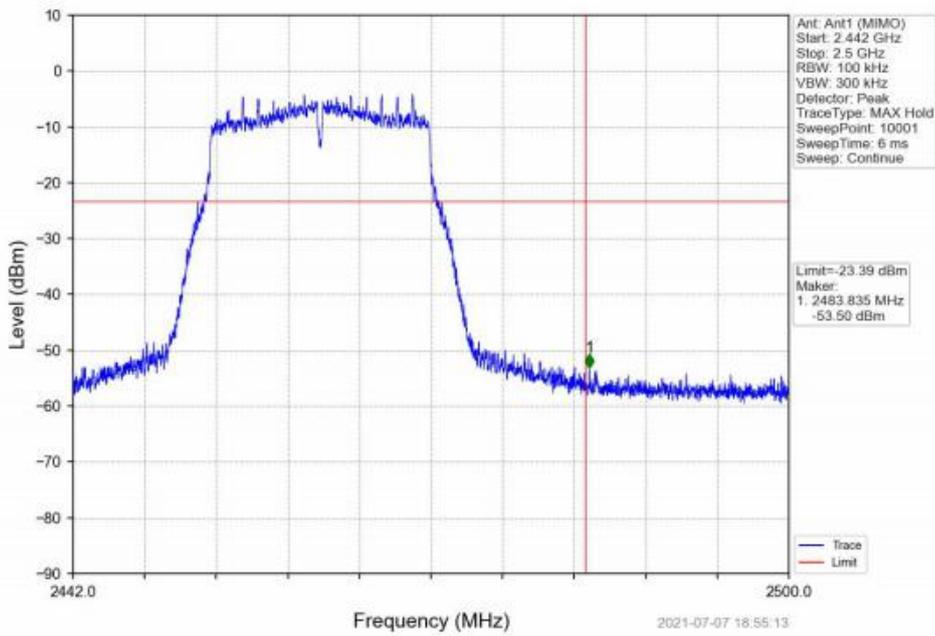
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



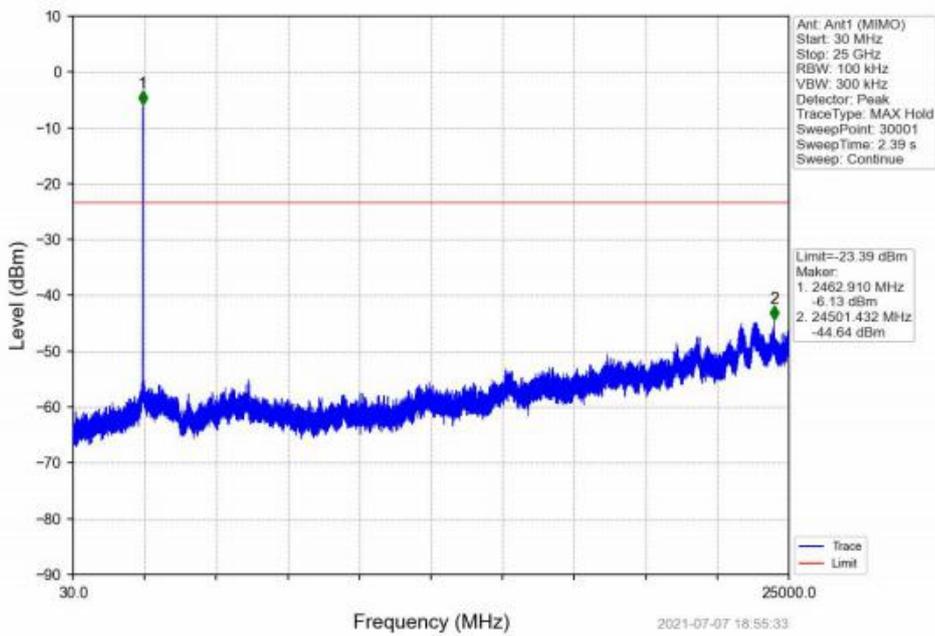
802.11n(HT20)_MCH_2437MHz_Ant2 (MIMO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



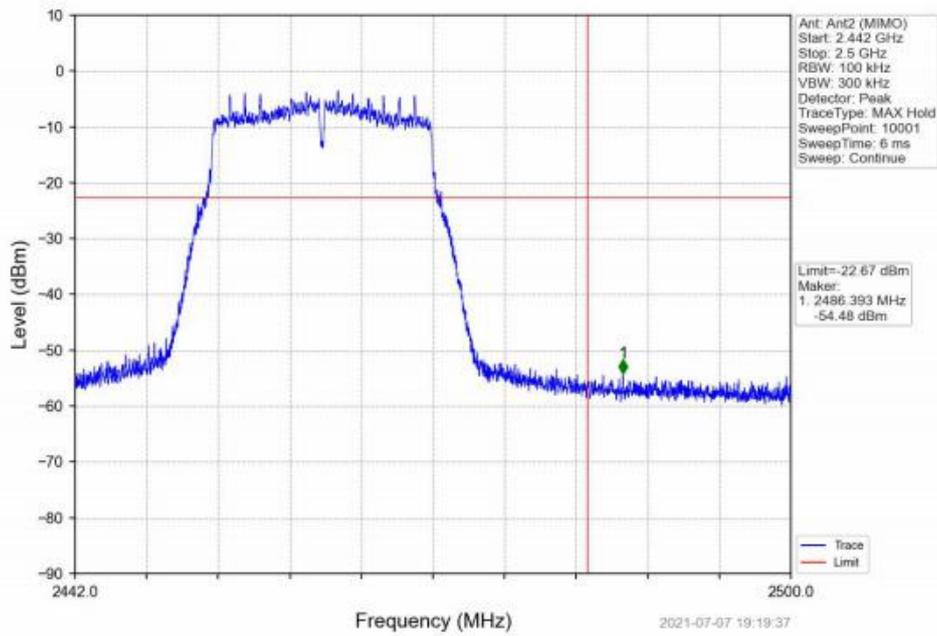
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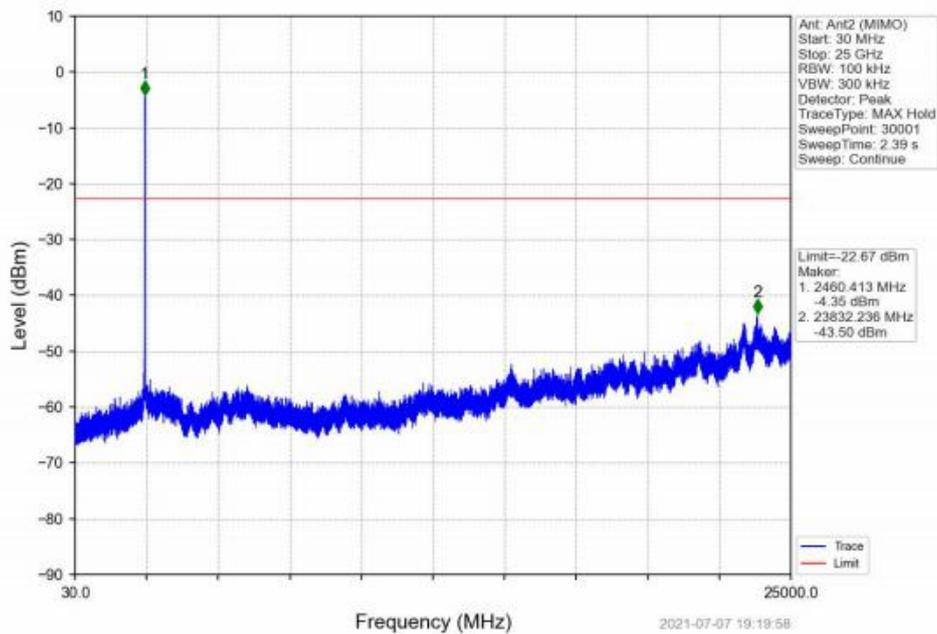
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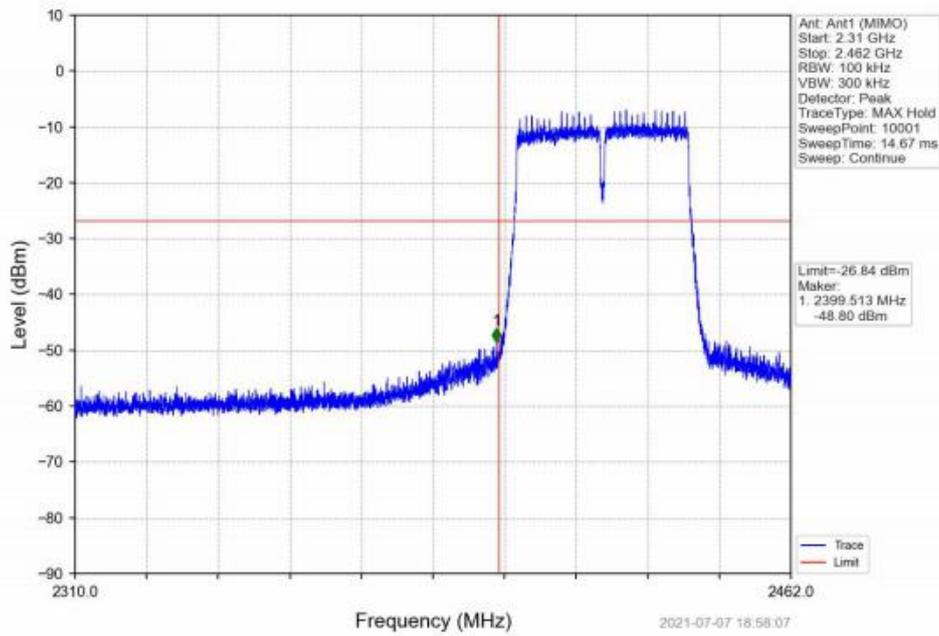
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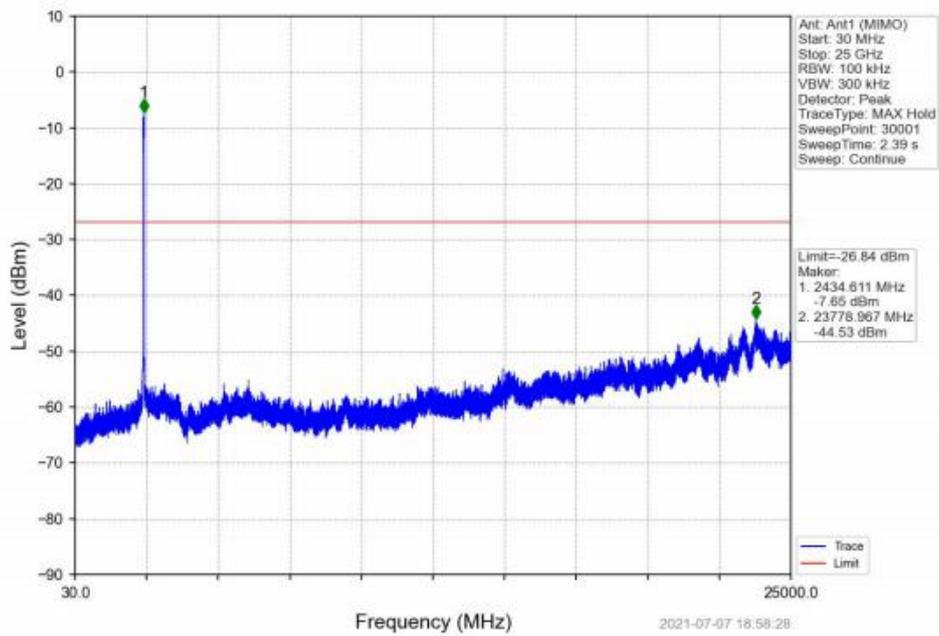
802.11n(HT20)_HCH_2462MHz_Ant2 (MIMO)_NTNV



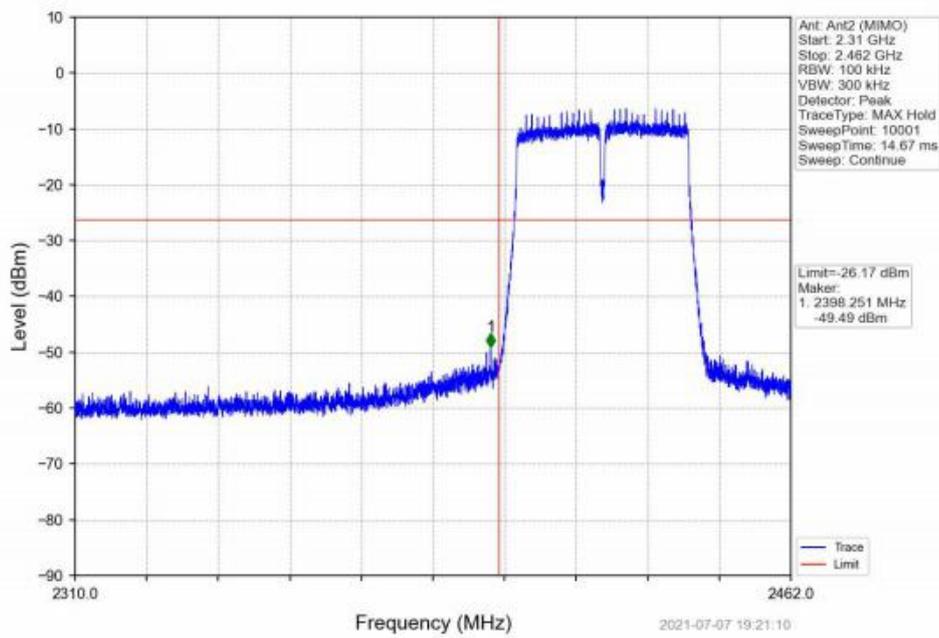
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



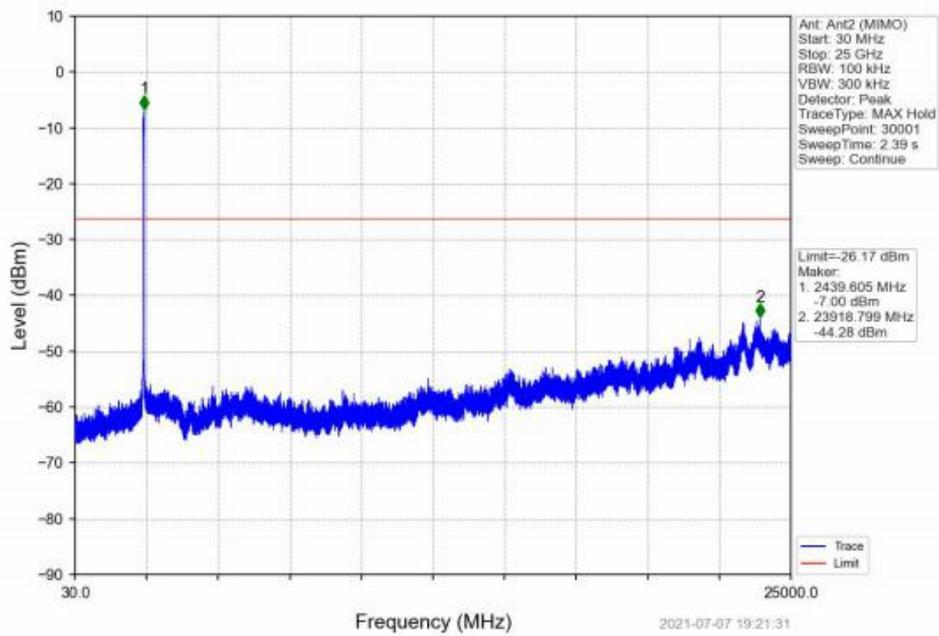
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



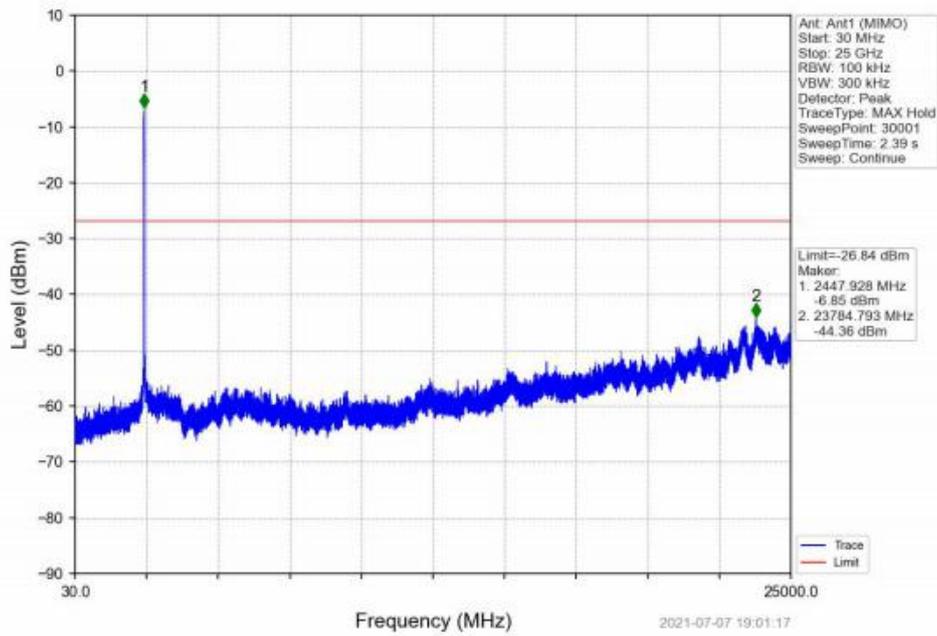
802.11n(HT40)_LCH_2422MHz_Ant2 (MIMO)_NTNV



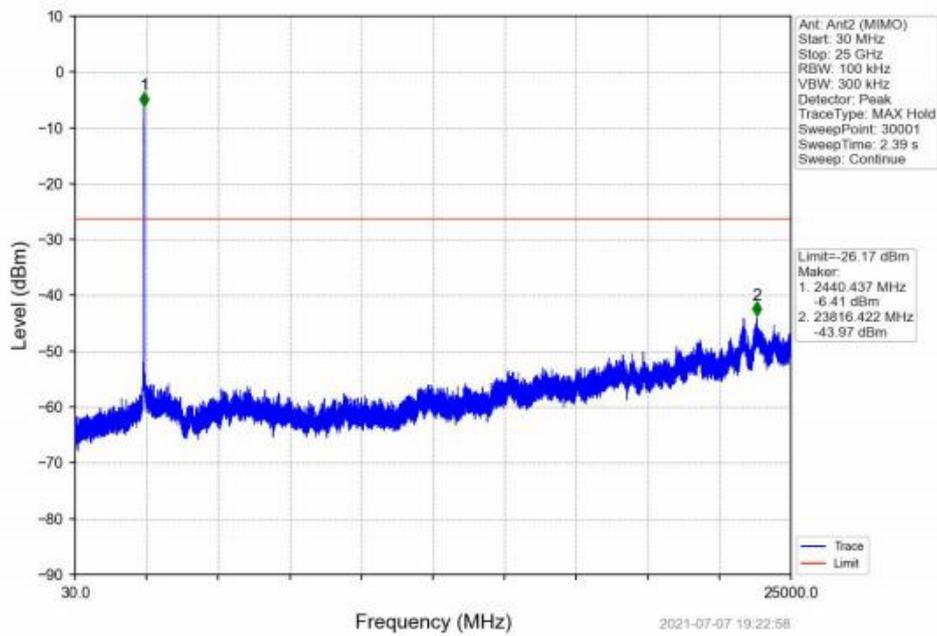
802.11n(HT40)_LCH_2422MHz_Ant2 (MIMO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV



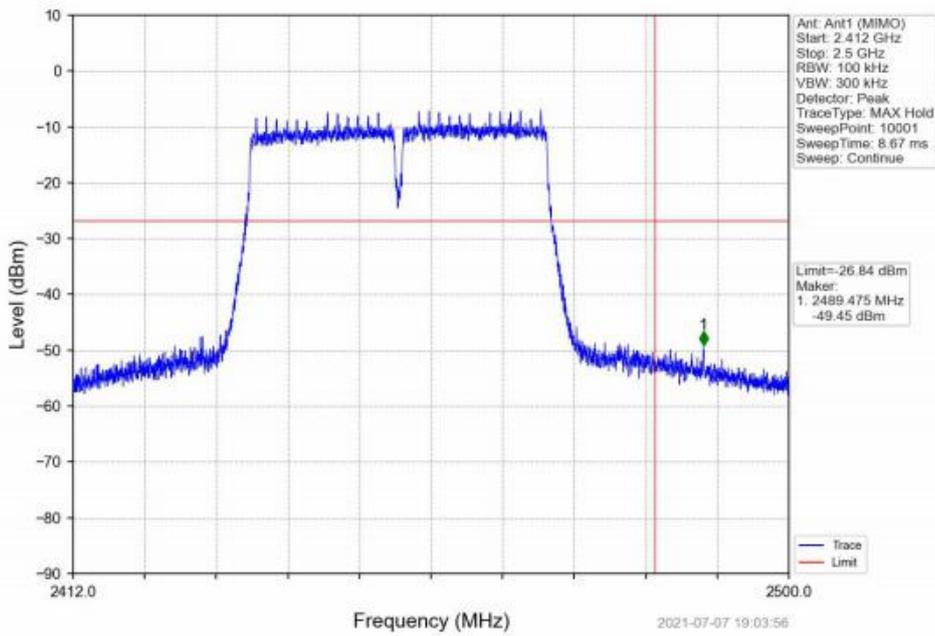
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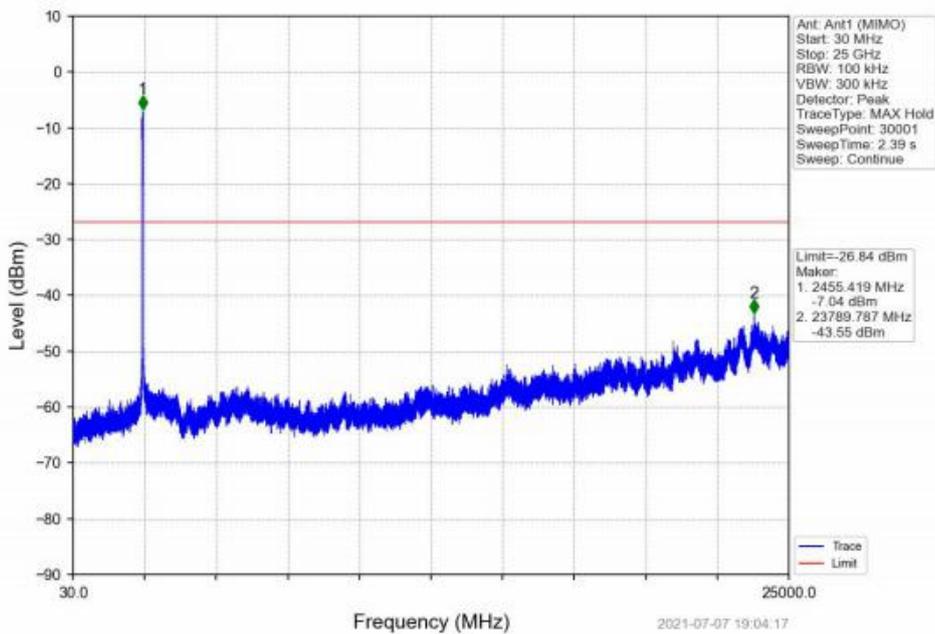
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802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



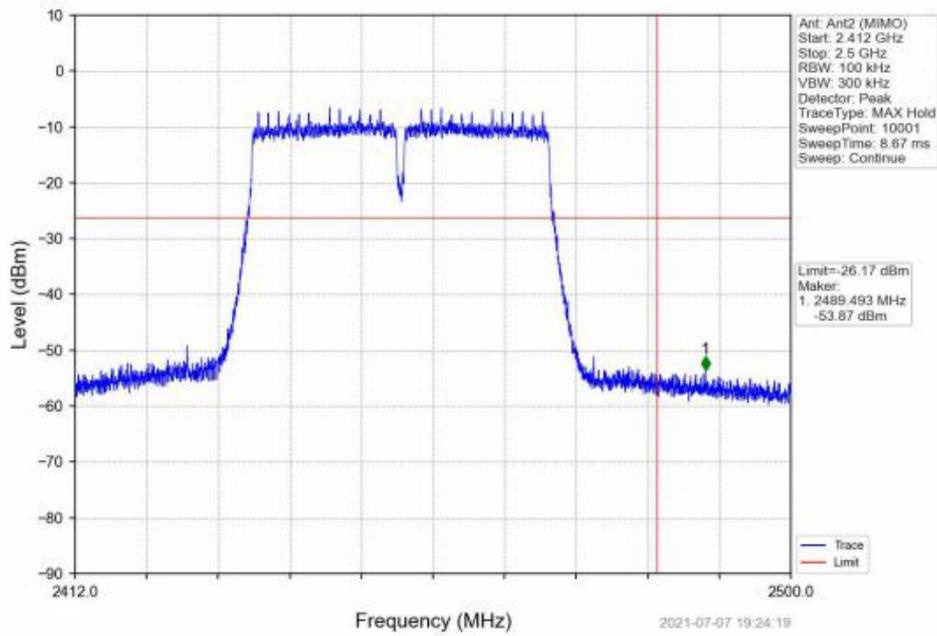
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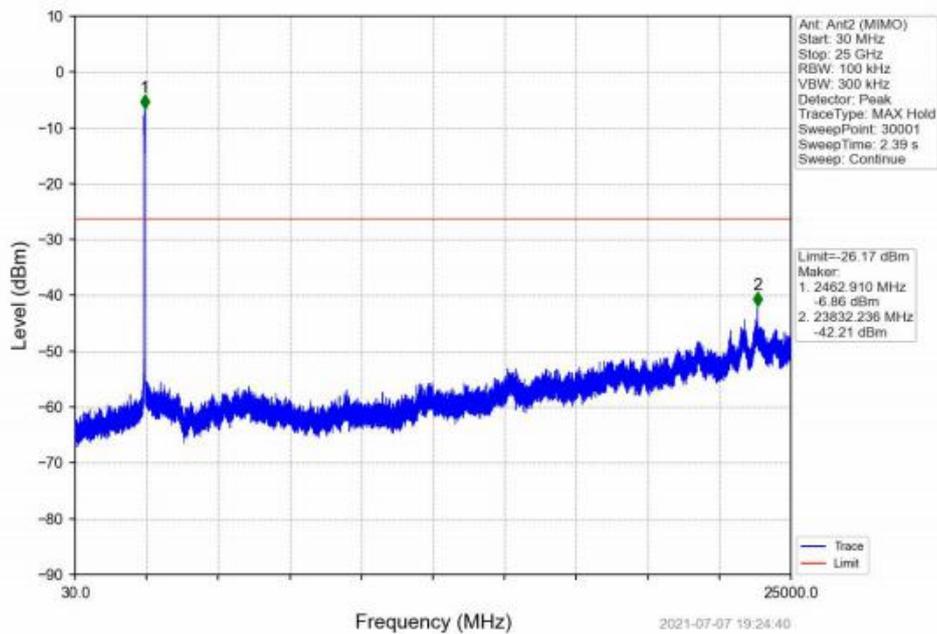
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802.11n(HT40)_HCH_2452MHz_Ant2 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant2 (MIMO)_NTNV



6. Frequency Error

6.1 Ant1

6.1.1 Test Result

| Mode | TX Type | Frequency (MHz) | Temperature (°C) | Ant1 | | | Verdict |
|----------------|---------|-----------------|------------------|---------------|--------------------------|--------------|--------------|
| | | | | Voltage (VAC) | Measured Frequency (MHz) | Limit | |
| 802.11b | SISO | 2412 | 20 | 102 | 2412.040 | 2404 to 2420 | Pass |
| | | | | 120 | 2412.060 | 2404 to 2420 | Pass |
| | | | | 138 | 2412.040 | 2404 to 2420 | Pass |
| | | | -20 | 120 | 2412.040 | 2404 to 2420 | Pass |
| | | | | 50 | 120 | 2412.060 | 2404 to 2420 |
| | | 2437 | 20 | 102 | 2437.060 | 2429 to 2445 | Pass |
| | | | | 120 | 2437.060 | 2429 to 2445 | Pass |
| | | | | 138 | 2437.040 | 2429 to 2445 | Pass |
| | | | -20 | 120 | 2437.060 | 2429 to 2445 | Pass |
| | | | | 50 | 120 | 2437.040 | 2429 to 2445 |
| | | 2462 | 20 | 102 | 2462.060 | 2454 to 2470 | Pass |
| | | | | 120 | 2462.060 | 2454 to 2470 | Pass |
| | | | | 138 | 2462.080 | 2454 to 2470 | Pass |
| | | | -20 | 120 | 2462.080 | 2454 to 2470 | Pass |
| | | | | 50 | 120 | 2462.080 | 2454 to 2470 |
| 802.11g | SISO | 2412 | 20 | 102 | 2412.120 | 2404 to 2420 | Pass |
| | | | | 120 | 2412.100 | 2404 to 2420 | Pass |
| | | | | 138 | 2412.060 | 2404 to 2420 | Pass |
| | | | -20 | 120 | 2412.100 | 2404 to 2420 | Pass |
| | | | | 50 | 120 | 2412.060 | 2404 to 2420 |
| | | 2437 | 20 | 102 | 2437.100 | 2429 to 2445 | Pass |
| | | | | 120 | 2437.120 | 2429 to 2445 | Pass |
| | | | | 138 | 2437.080 | 2429 to 2445 | Pass |
| | | | -20 | 120 | 2437.120 | 2429 to 2445 | Pass |
| | | | | 50 | 120 | 2437.040 | 2429 to 2445 |
| | | 2462 | 20 | 102 | 2462.060 | 2454 to 2470 | Pass |
| | | | | 120 | 2462.060 | 2454 to 2470 | Pass |
| | | | | 138 | 2462.040 | 2454 to 2470 | Pass |
| | | | -20 | 120 | 2462.080 | 2454 to 2470 | Pass |
| | | | | 50 | 120 | 2462.080 | 2454 to 2470 |
| 802.11n (HT20) | MIMO | 2412 | 20 | 102 | 2412.080 | 2404 to 2420 | Pass |
| | | | | 120 | 2412.060 | 2404 to 2420 | Pass |
| | | | | 138 | 2412.100 | 2404 to 2420 | Pass |
| | | | -20 | 120 | 2412.060 | 2404 to 2420 | Pass |
| | | | | 50 | 120 | 2412.120 | 2404 to 2420 |
| | | 2437 | 20 | 102 | 2437.060 | 2429 to 2445 | Pass |
| | | | | 120 | 2437.080 | 2429 to 2445 | Pass |
| | | | | 138 | 2437.060 | 2429 to 2445 | Pass |
| | | | -20 | 120 | 2437.080 | 2429 to 2445 | Pass |
| | | | | 50 | 120 | 2437.060 | 2429 to 2445 |
| | | 2462 | 20 | 102 | 2462.080 | 2454 to 2470 | Pass |
| | | | | 120 | 2462.120 | 2454 to 2470 | Pass |
| | | | | 138 | 2462.100 | 2454 to 2470 | Pass |
| | | | -20 | 120 | 2462.100 | 2454 to 2470 | Pass |
| | | | | 50 | 120 | 2462.040 | 2454 to 2470 |
| 802.11n (HT40) | MIMO | 2422 | 20 | 102 | 2422.080 | 2406 to 2438 | Pass |
| | | | | 120 | 2422.080 | 2406 to 2438 | Pass |
| | | | | 138 | 2422.120 | 2406 to 2438 | Pass |
| | | | -20 | 120 | 2422.120 | 2406 to 2438 | Pass |

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| | | | | | | | |
|----|------|-----|----------|--------------|--------------|--------------|------|
| | 2437 | 50 | 120 | 2422.160 | 2406 to 2438 | Pass | |
| | | 20 | | 102 | 2437.120 | 2421 to 2453 | Pass |
| | | | | 120 | 2437.080 | 2421 to 2453 | Pass |
| | | | | 138 | 2437.160 | 2421 to 2453 | Pass |
| | | -20 | 120 | 2437.080 | 2421 to 2453 | Pass | |
| | 50 | 120 | 2437.120 | 2421 to 2453 | Pass | | |
| | 2452 | 20 | | 102 | 2452.160 | 2436 to 2468 | Pass |
| | | | | 120 | 2452.120 | 2436 to 2468 | Pass |
| | | | | 138 | 2452.160 | 2436 to 2468 | Pass |
| | | -20 | 120 | 2452.120 | 2436 to 2468 | Pass | |
| 50 | | 120 | 2452.120 | 2436 to 2468 | Pass | | |

---End---