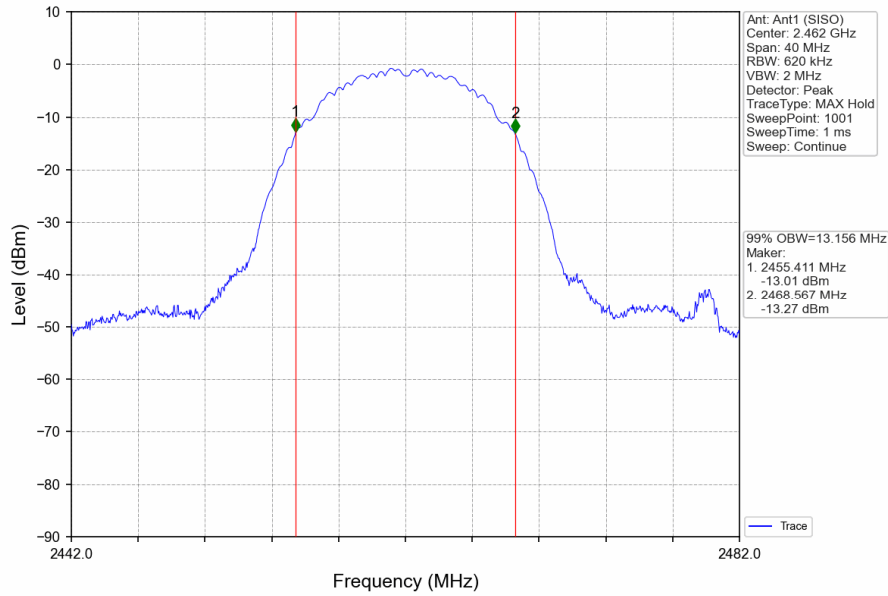
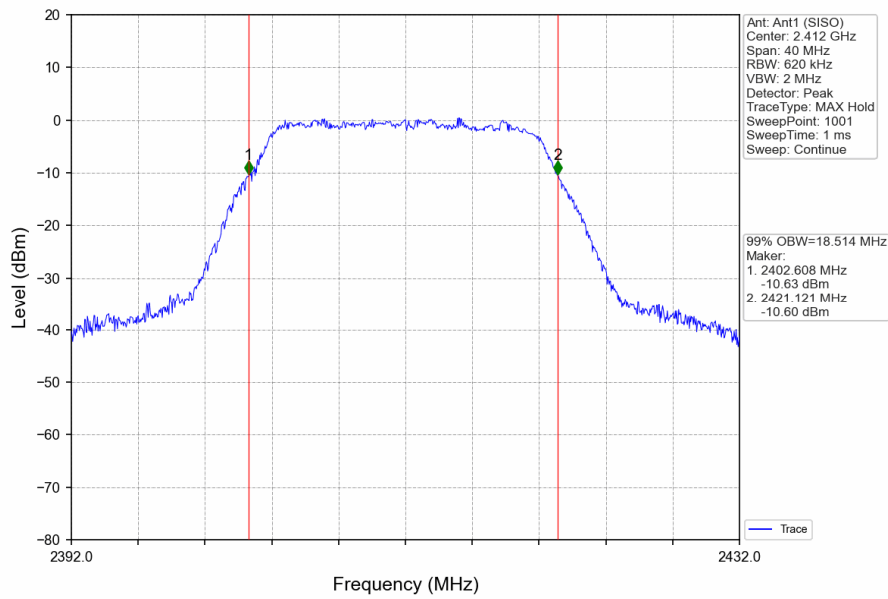


802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV

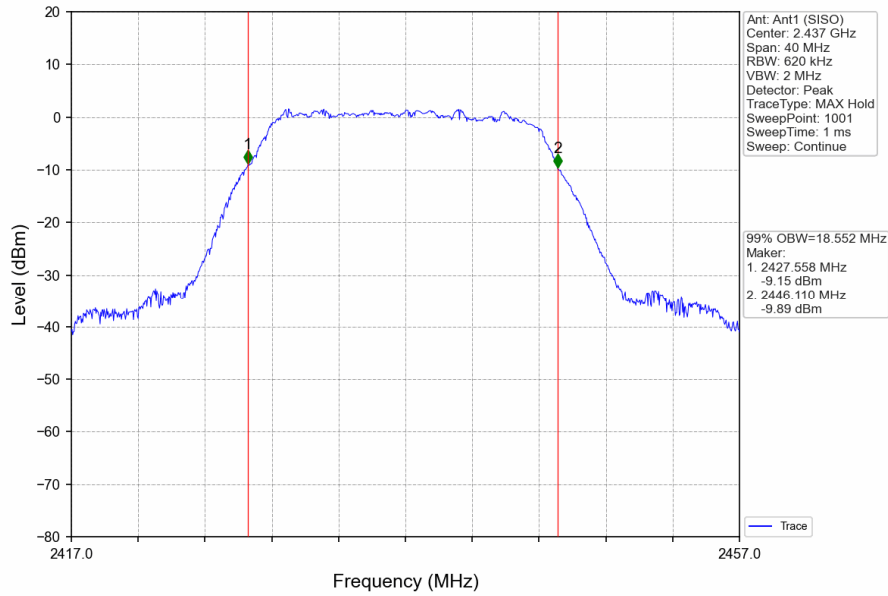


802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

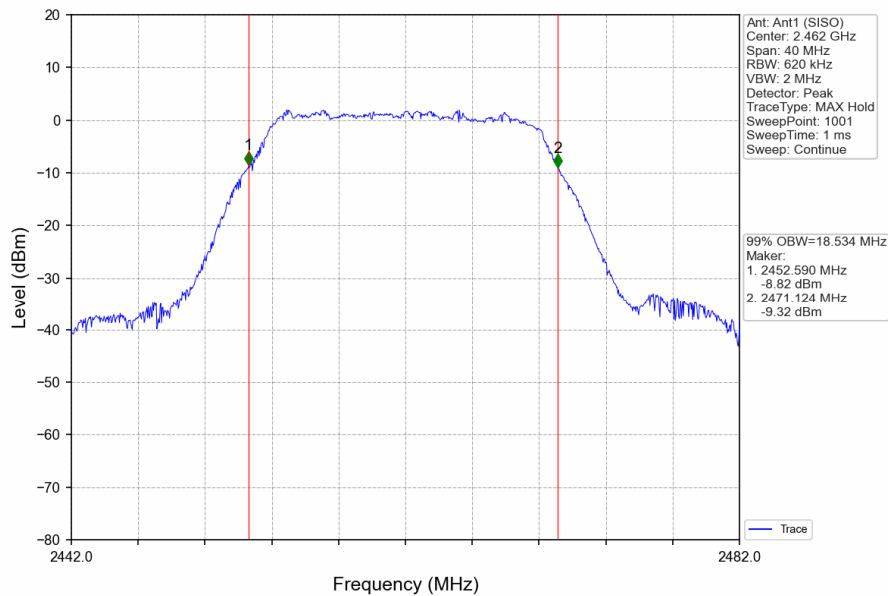


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802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV

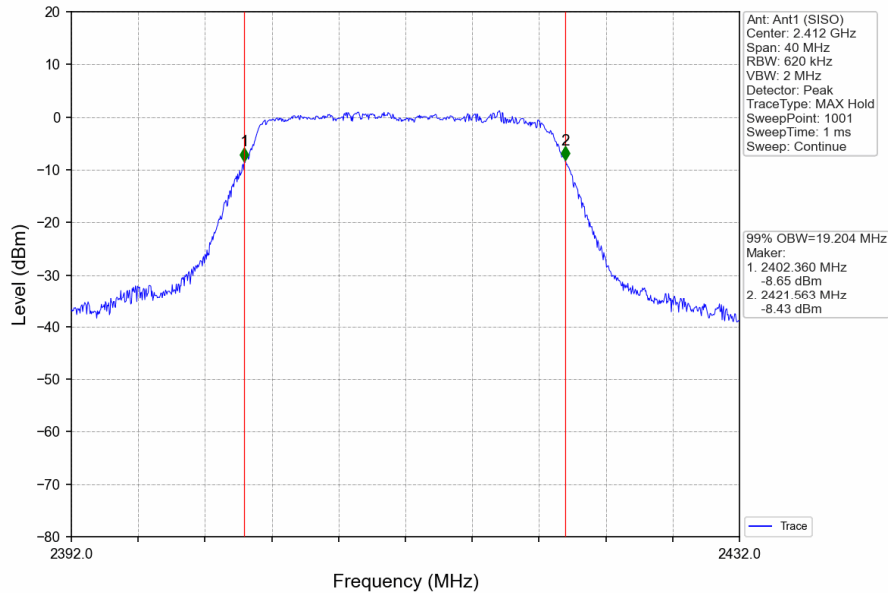


802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

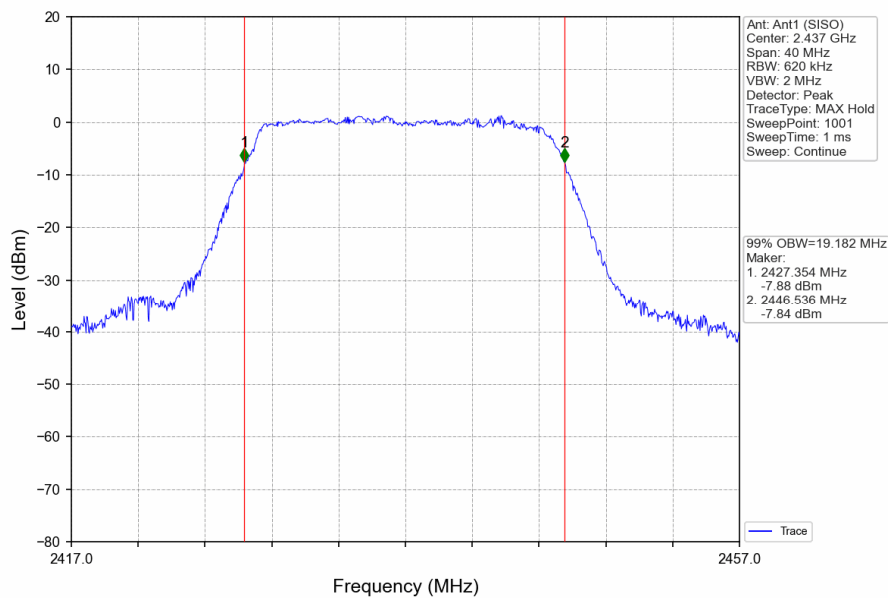


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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



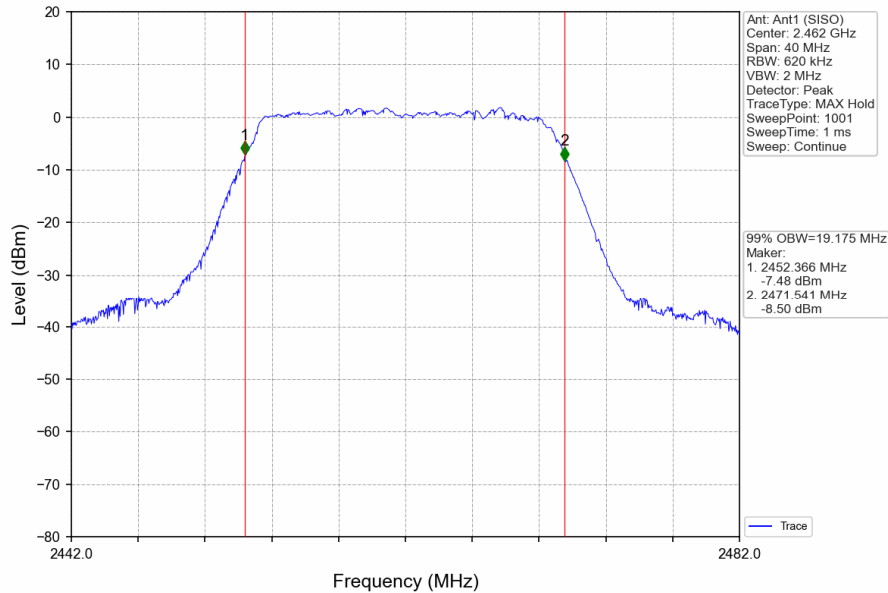
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



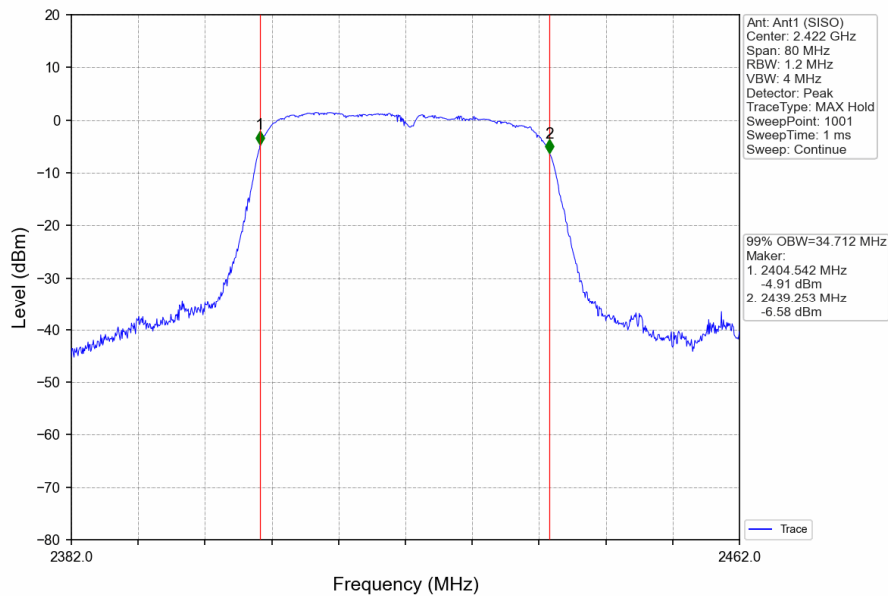
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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



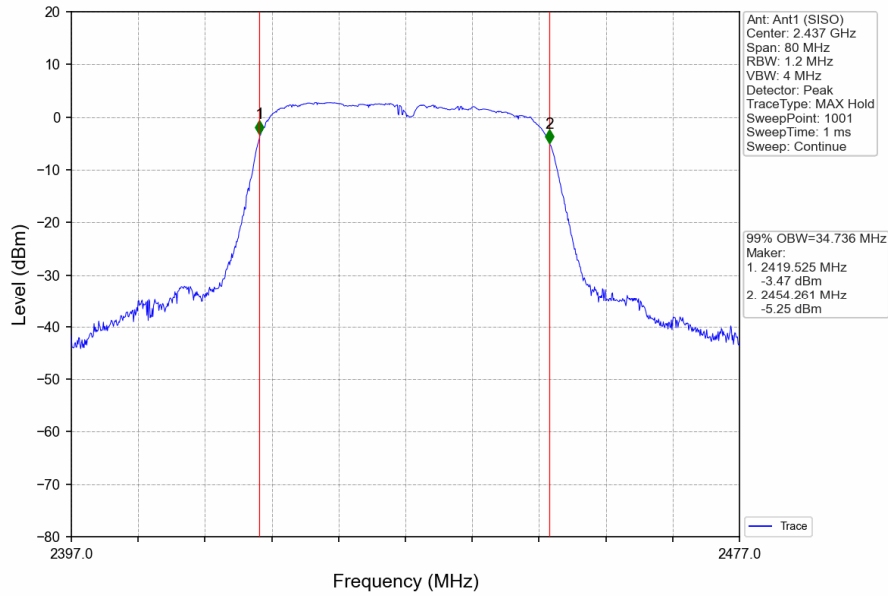
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



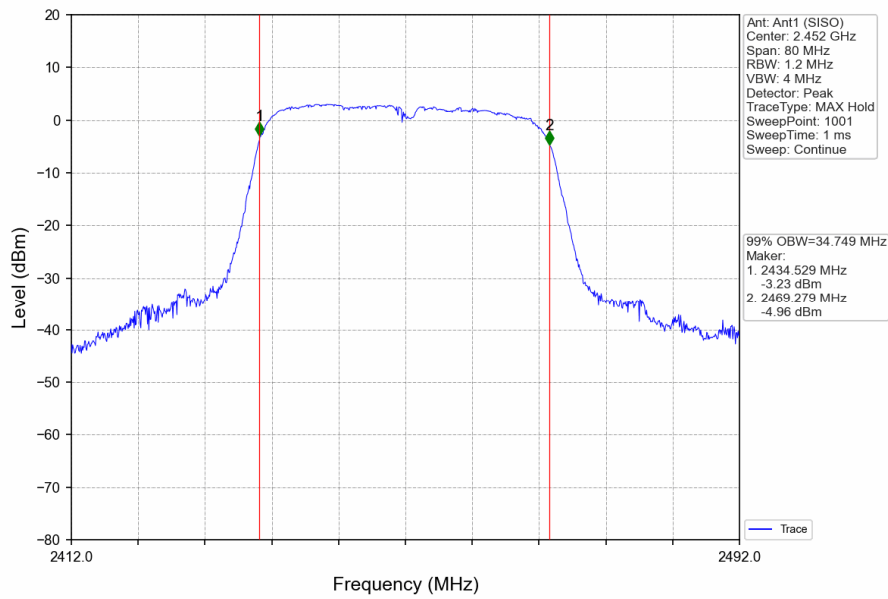
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802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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2.2 6dB BW

2.2.1 Test Result

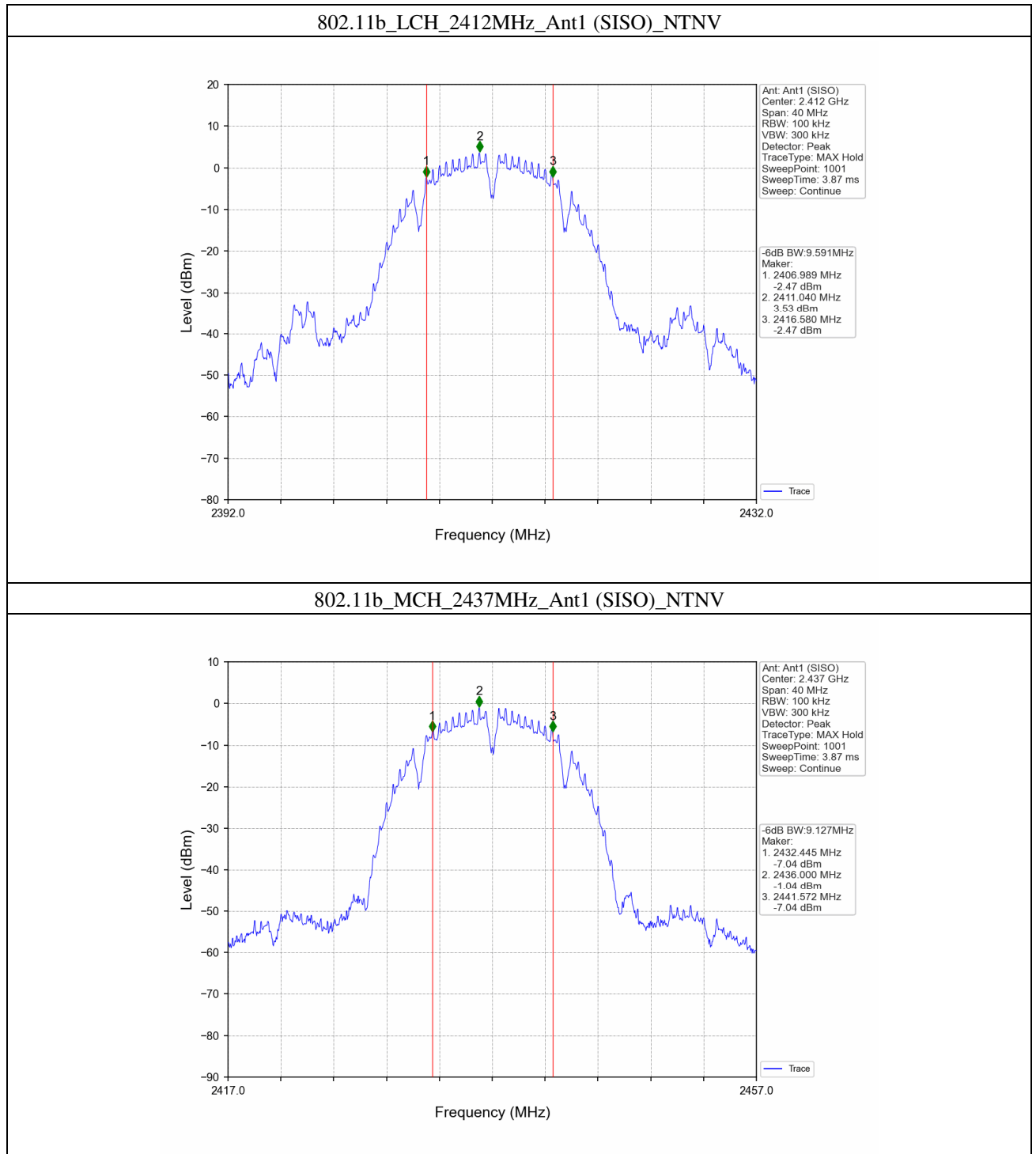
| Mode | TX Type | Frequency (MHz) | Ant | 6dB Bandwidth (MHz) | | Verdict |
|----------------|---------|-----------------|-----|---------------------|-------|---------|
| | | | | Result | Limit | |
| 802.11b | SISO | 2412 | 1 | 9.591 | >=0.5 | Pass |
| | | 2437 | 1 | 9.127 | >=0.5 | Pass |
| | | 2462 | 1 | 9.105 | >=0.5 | Pass |
| 802.11g | SISO | 2412 | 1 | 16.378 | >=0.5 | Pass |
| | | 2437 | 1 | 16.373 | >=0.5 | Pass |
| | | 2462 | 1 | 16.378 | >=0.5 | Pass |
| 802.11n (HT20) | SISO | 2412 | 1 | 17.609 | >=0.5 | Pass |
| | | 2437 | 1 | 17.601 | >=0.5 | Pass |
| | | 2462 | 1 | 17.622 | >=0.5 | Pass |
| 802.11n (HT40) | SISO | 2422 | 1 | 32.641 | >=0.5 | Pass |
| | | 2437 | 1 | 32.658 | >=0.5 | Pass |
| | | 2452 | 1 | 32.601 | >=0.5 | Pass |



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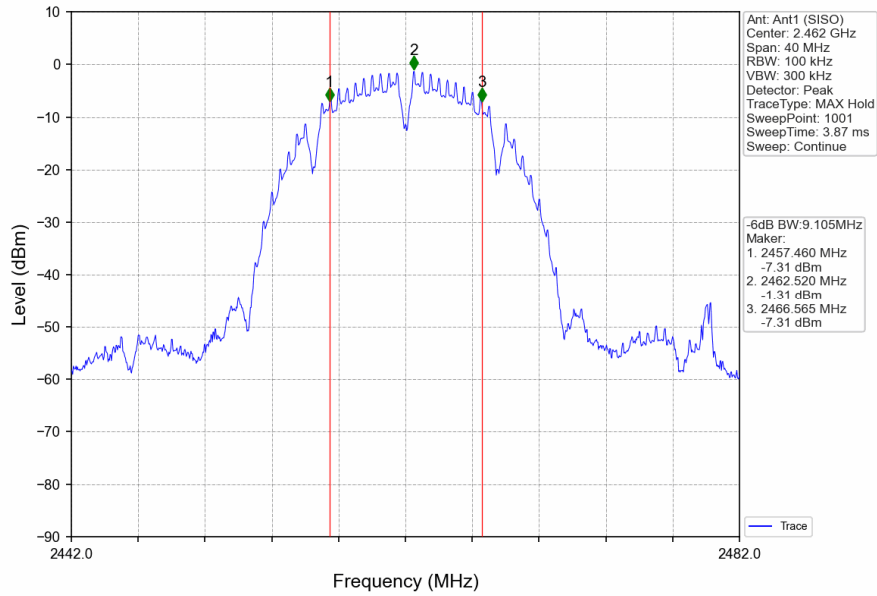
2.2.2 Test Graph



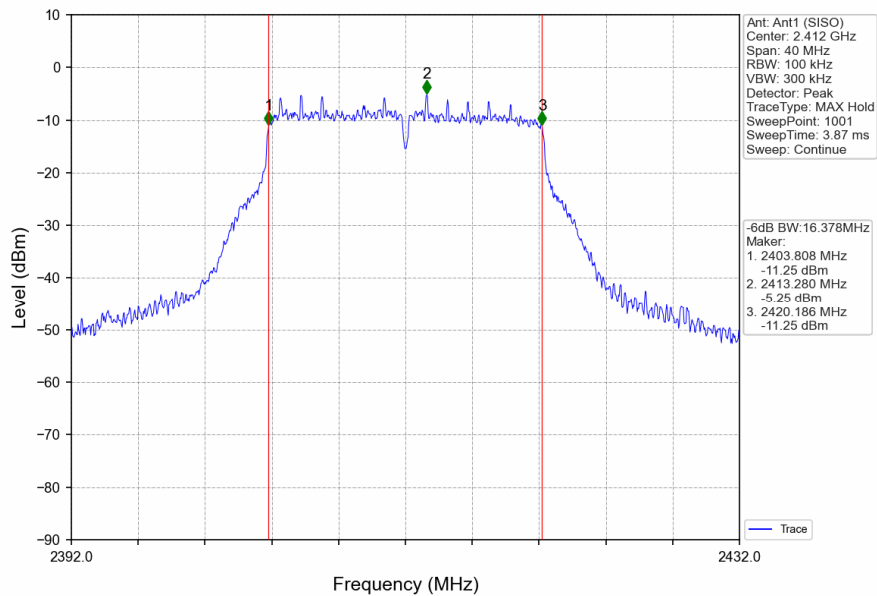
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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



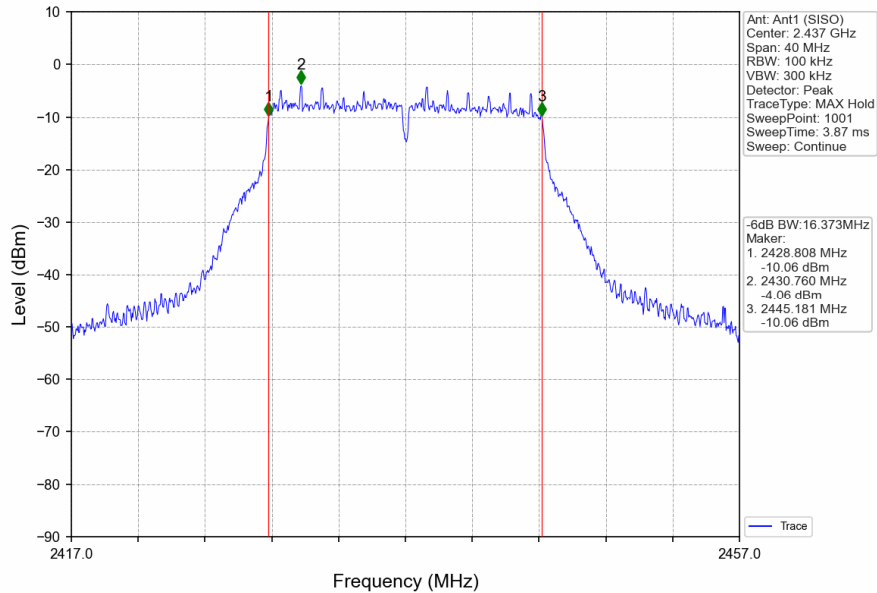
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



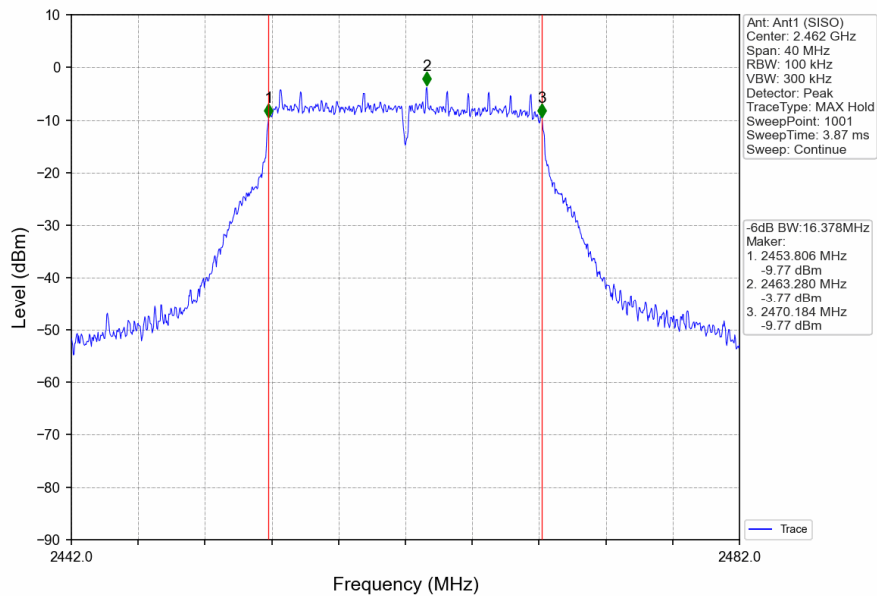
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802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV

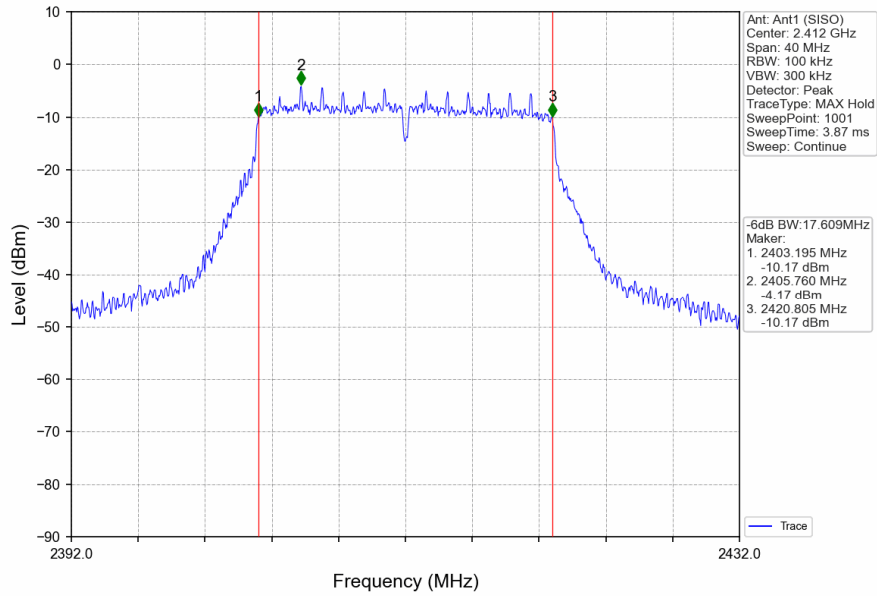


802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

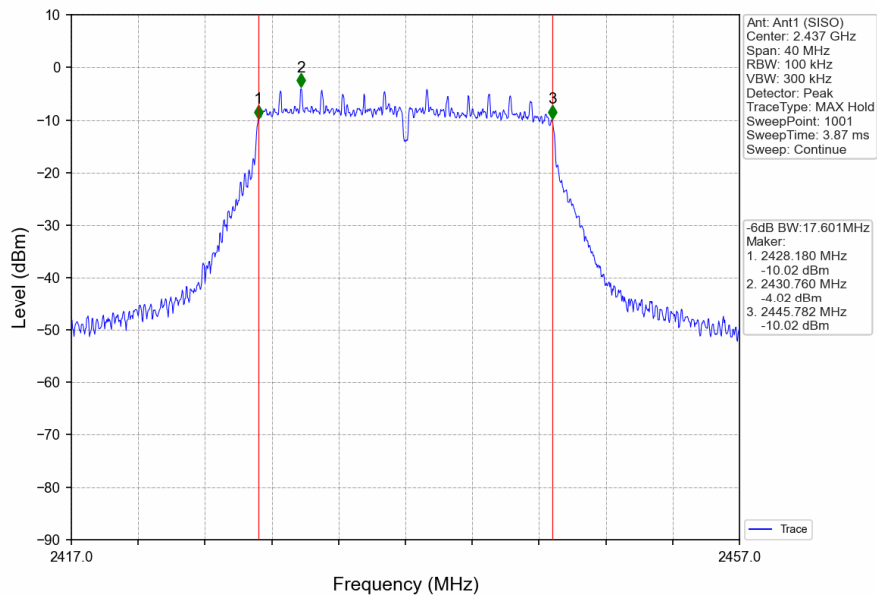


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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



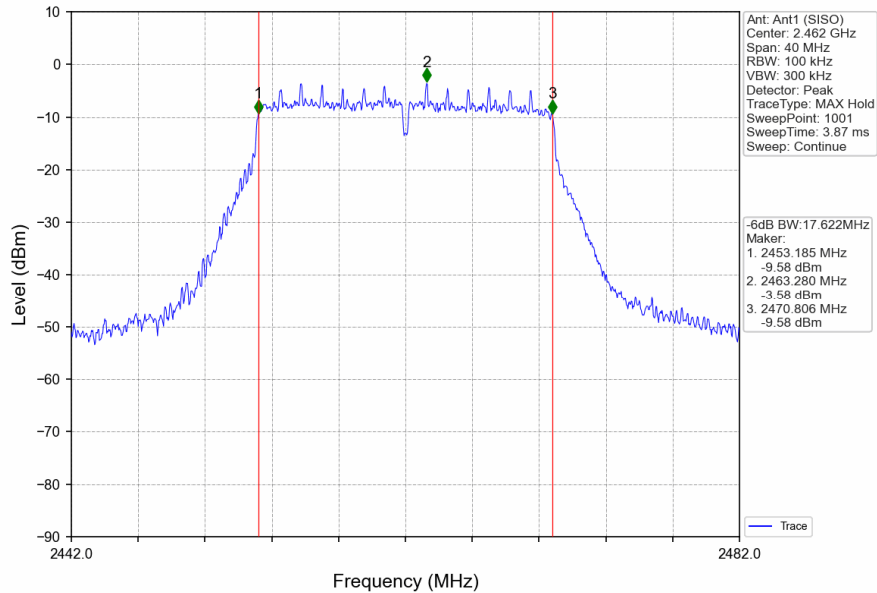
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



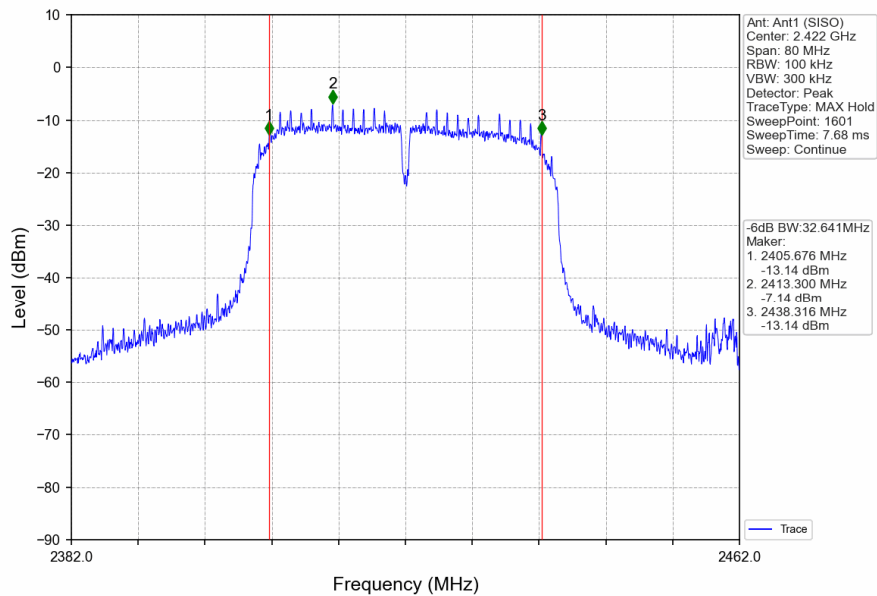
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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV

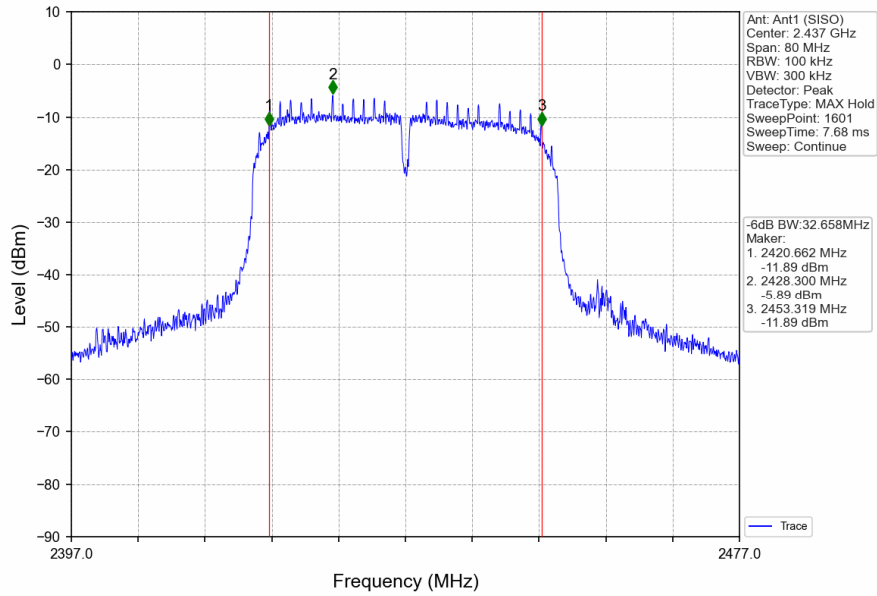


802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV

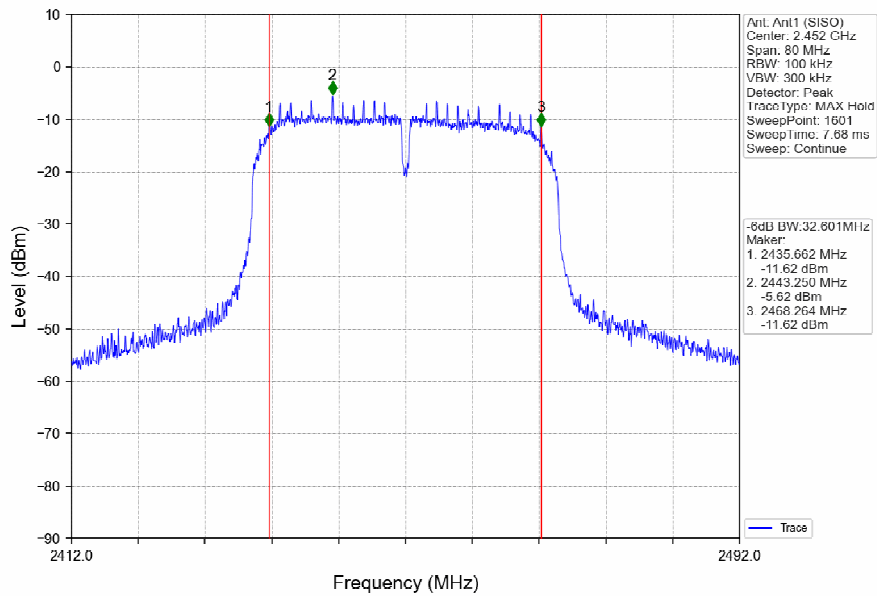


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802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

| Mode | TX Type | Frequency (MHz) | Maximum Conducted Output Power (dBm) | | Verdict |
|----------------|---------|-----------------|--------------------------------------|-------|---------|
| | | | Ant1 | Limit | |
| 802.11b | SISO | 2412 | 7.03 | <=30 | Pass |
| | | 2437 | 6.66 | <=30 | Pass |
| | | 2462 | 6.99 | <=30 | Pass |
| 802.11g | SISO | 2412 | 6.42 | <=30 | Pass |
| | | 2437 | 6.73 | <=30 | Pass |
| | | 2462 | 7.13 | <=30 | Pass |
| 802.11n (HT20) | SISO | 2412 | 6.70 | <=30 | Pass |
| | | 2437 | 6.76 | <=30 | Pass |
| | | 2462 | 7.28 | <=30 | Pass |
| 802.11n (HT40) | SISO | 2422 | 6.85 | <=30 | Pass |
| | | 2437 | 7.13 | <=30 | Pass |
| | | 2452 | 7.34 | <=30 | Pass |

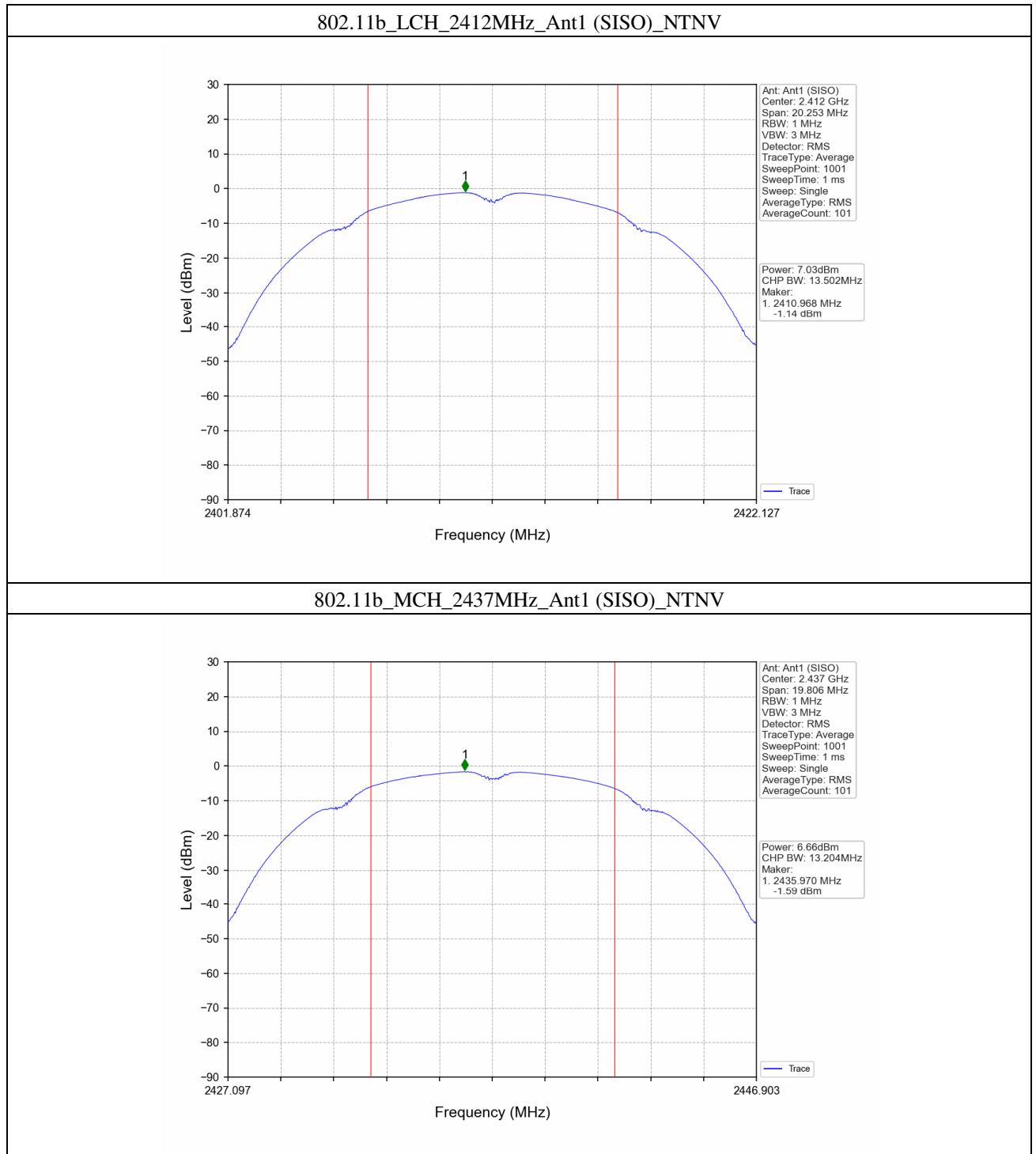
Note1: Antenna Gain: Ant1: 1.00dBi;



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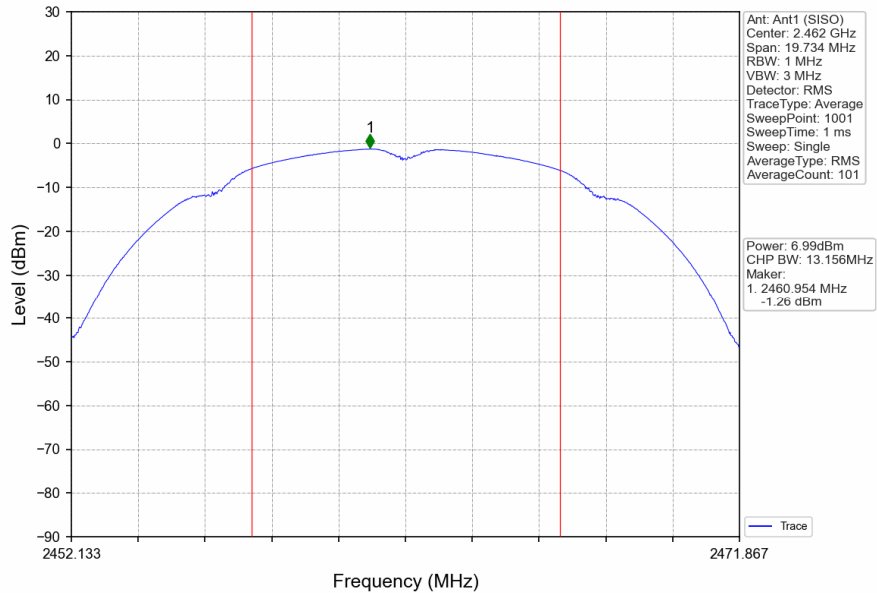
3.1.2 Test Graph



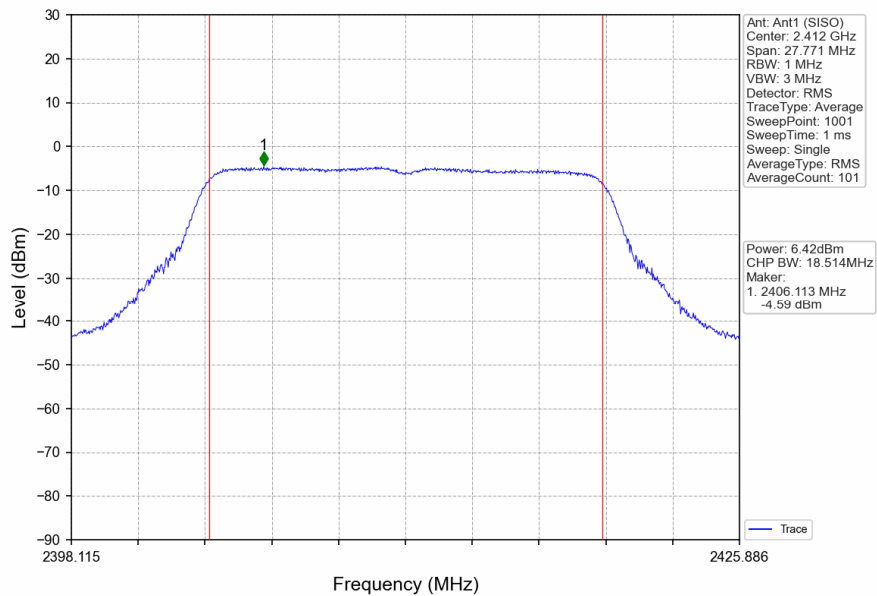
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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

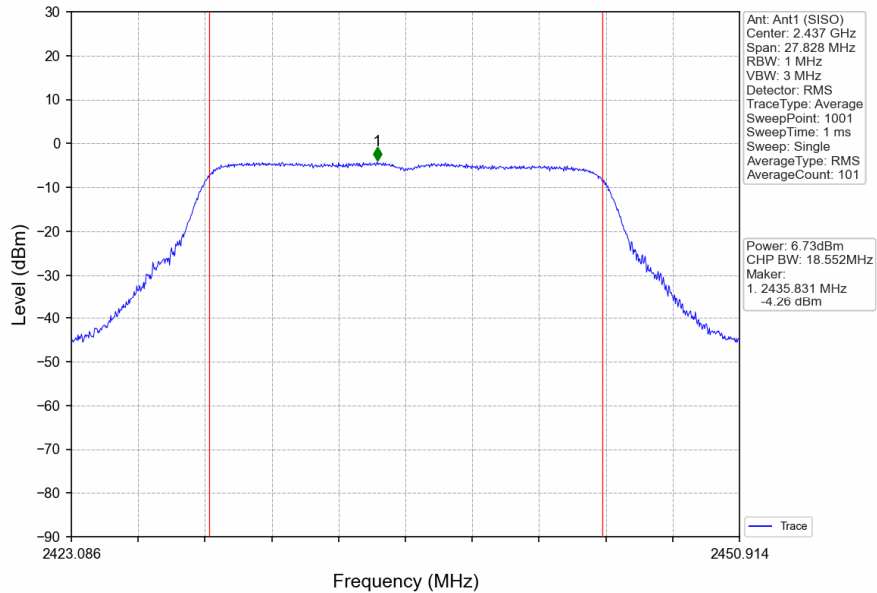


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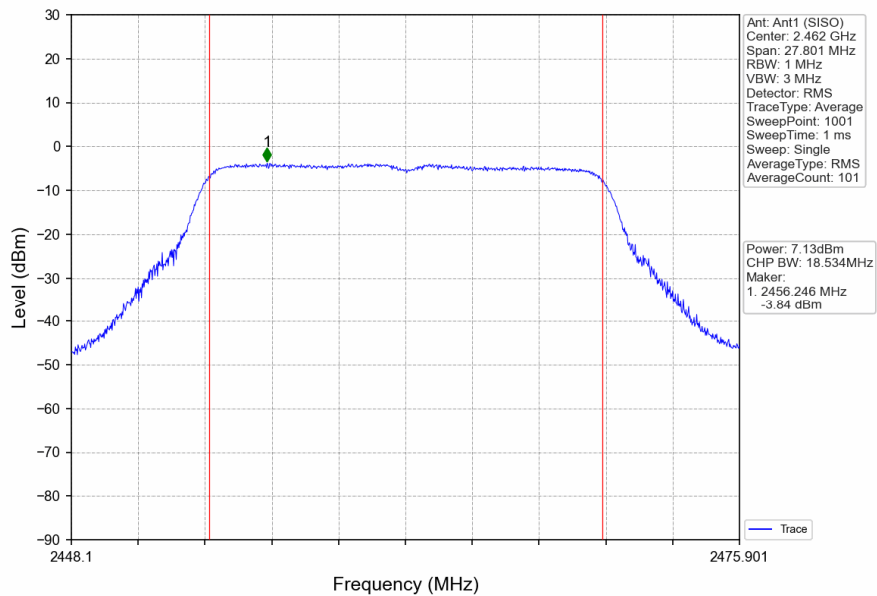
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Guangzhou Branch Testing Center EEC Laboratory. 中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com

802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV

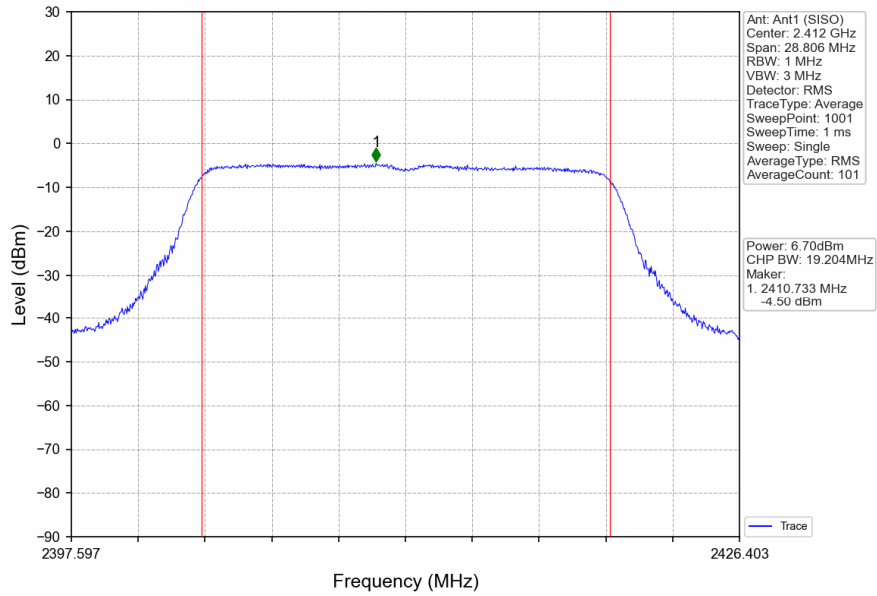


802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

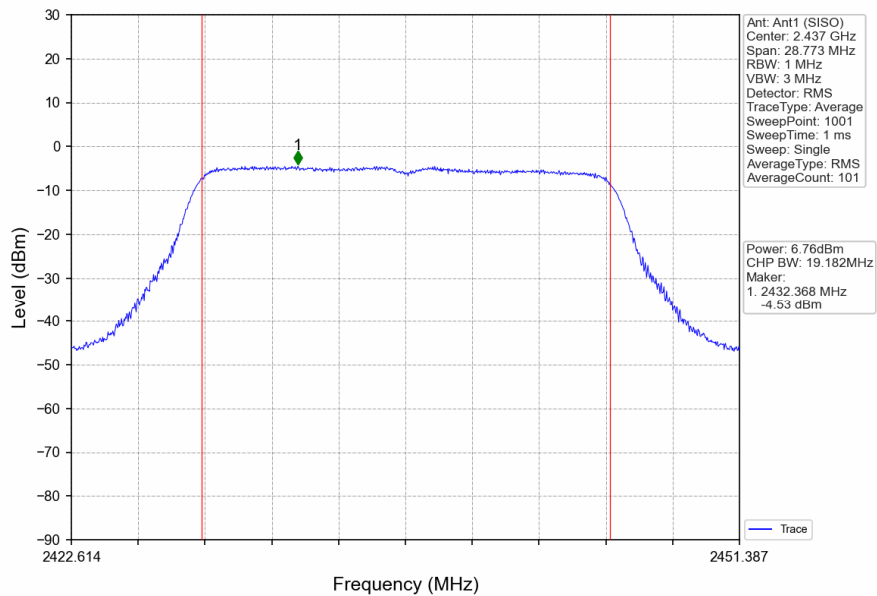


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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV

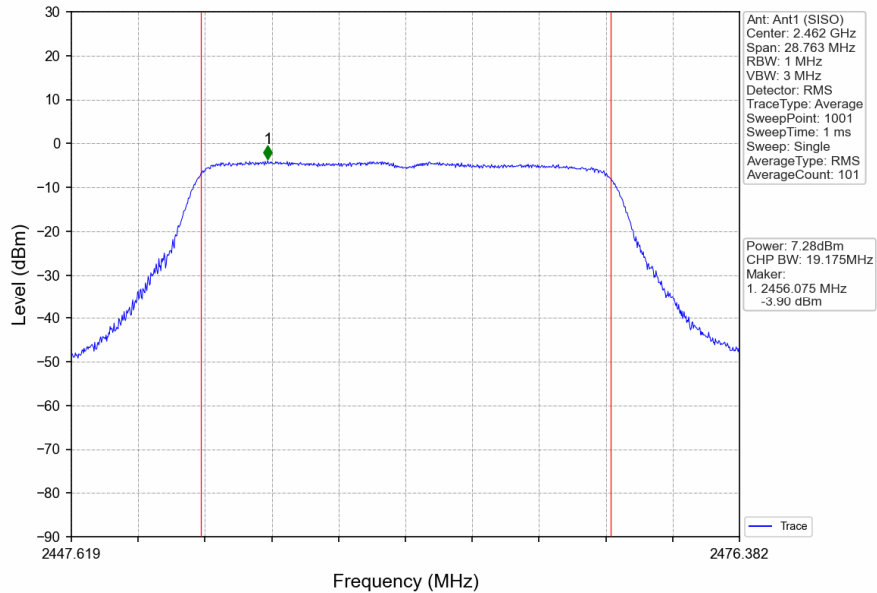


802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV

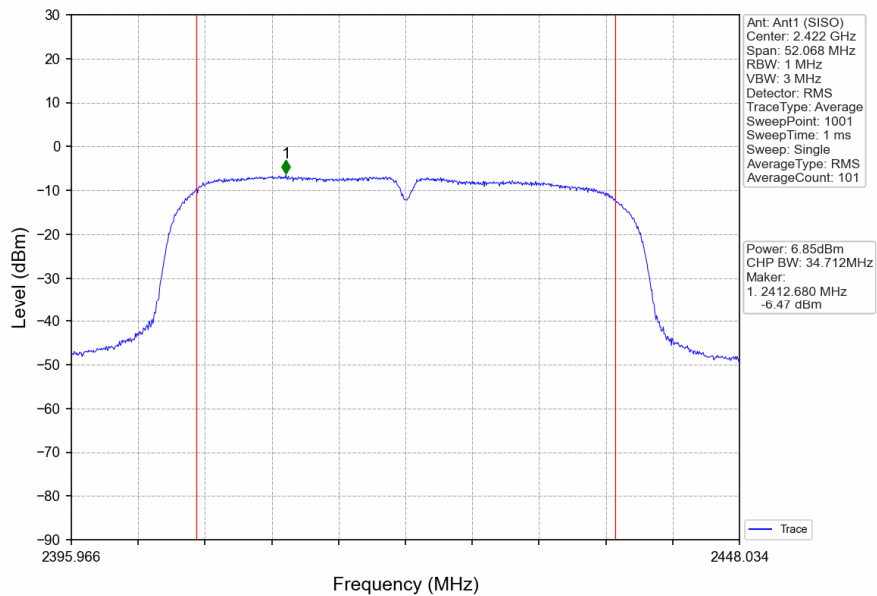


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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV

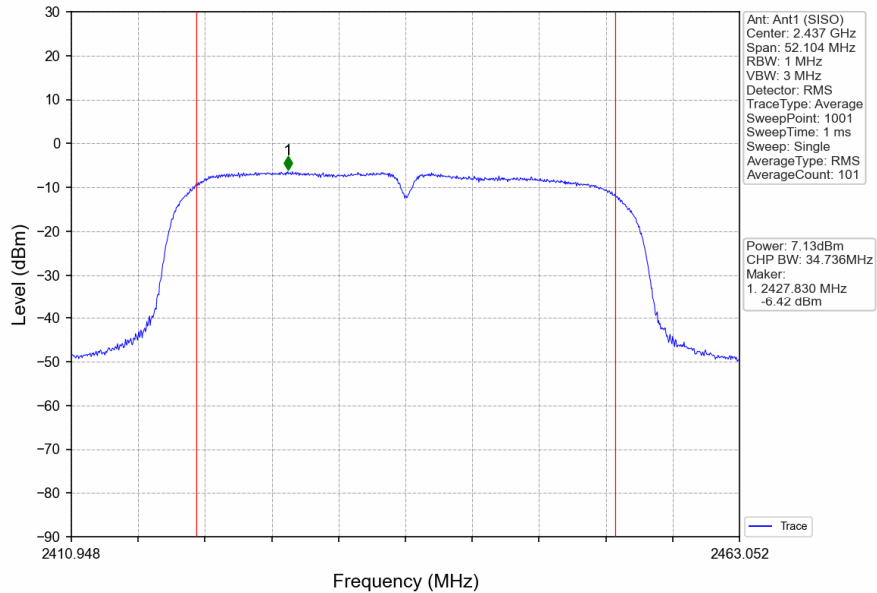


802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV

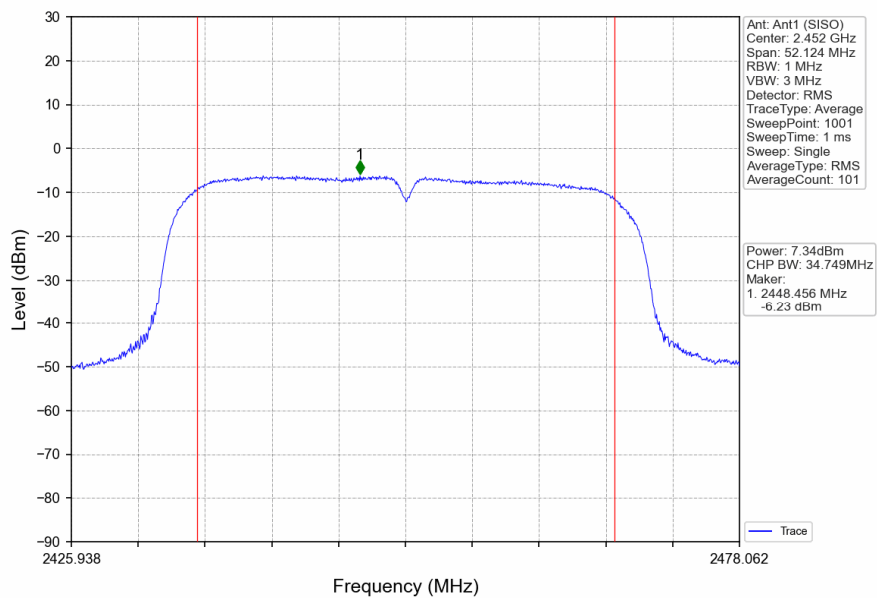


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802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

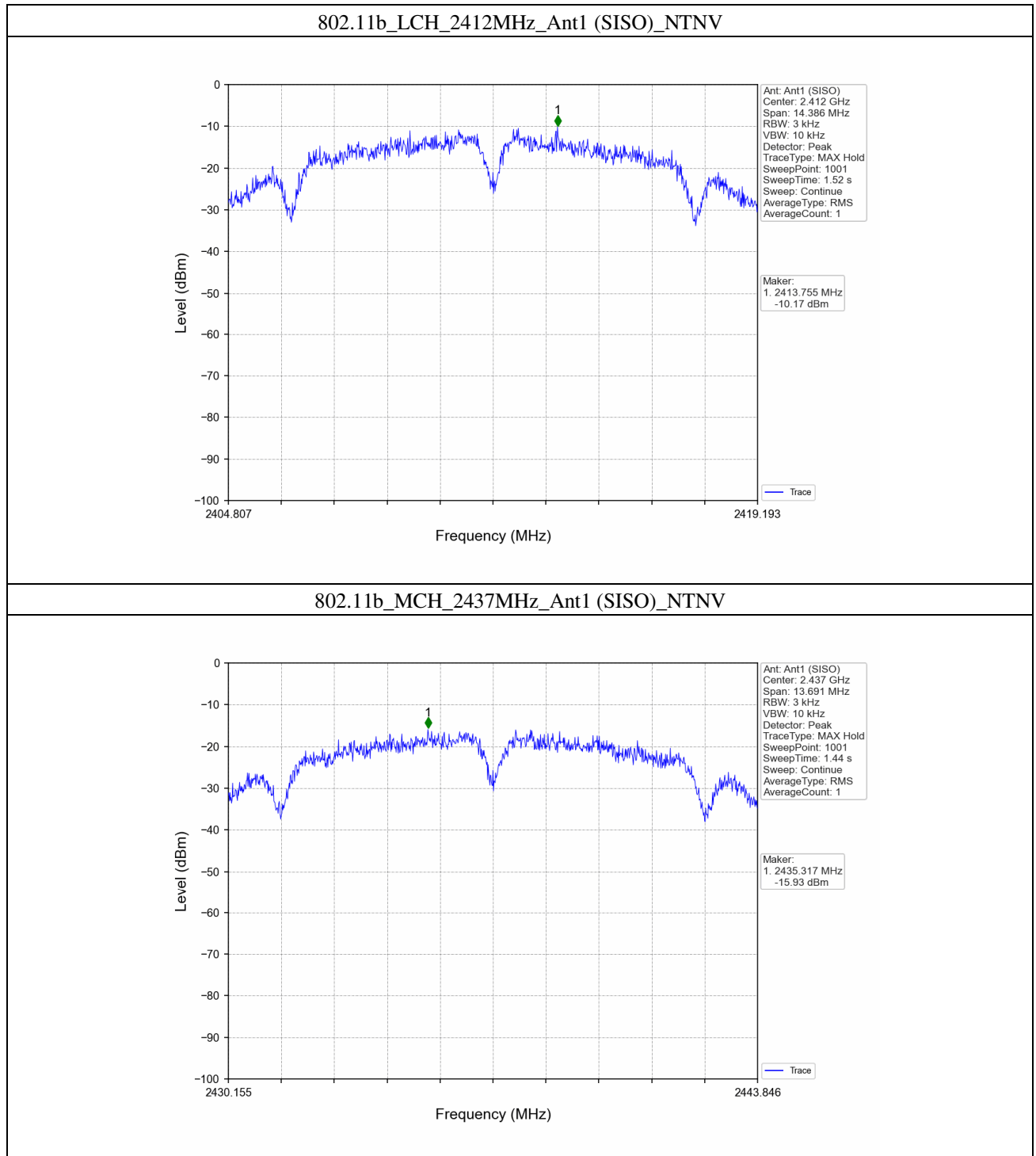
| Mode | TX Type | Frequency (MHz) | Maximum PSD (dBm/3kHz) | | Verdict |
|----------------|---------|-----------------|------------------------|-------|---------|
| | | | Ant1 | Limit | |
| 802.11b | SISO | 2412 | -10.17 | <=8 | Pass |
| | | 2437 | -15.93 | <=8 | Pass |
| | | 2462 | -14.33 | <=8 | Pass |
| 802.11g | SISO | 2412 | -18.98 | <=8 | Pass |
| | | 2437 | -18.08 | <=8 | Pass |
| | | 2462 | -17.48 | <=8 | Pass |
| 802.11n (HT20) | SISO | 2412 | -17.97 | <=8 | Pass |
| | | 2437 | -17.66 | <=8 | Pass |
| | | 2462 | -17.07 | <=8 | Pass |
| 802.11n (HT40) | SISO | 2422 | -20.41 | <=8 | Pass |
| | | 2437 | -19.55 | <=8 | Pass |
| | | 2452 | -18.94 | <=8 | Pass |

Note1: Antenna Gain: Ant1: 1.00dBi;



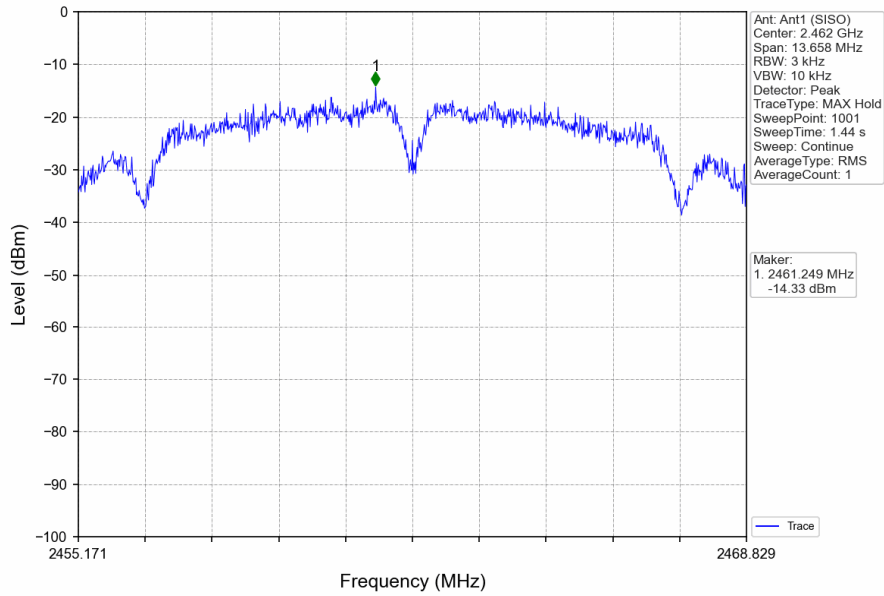
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4.1.2 Test Graph

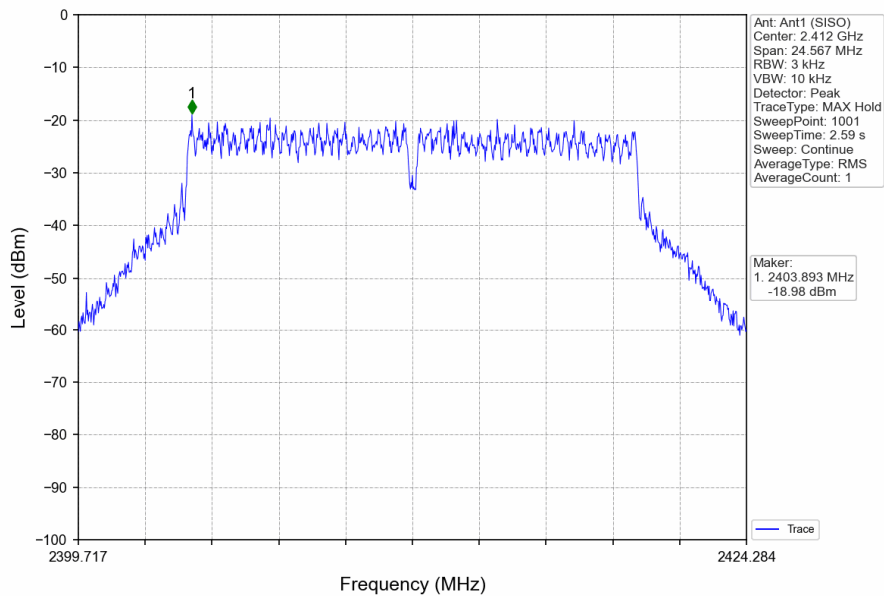


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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV

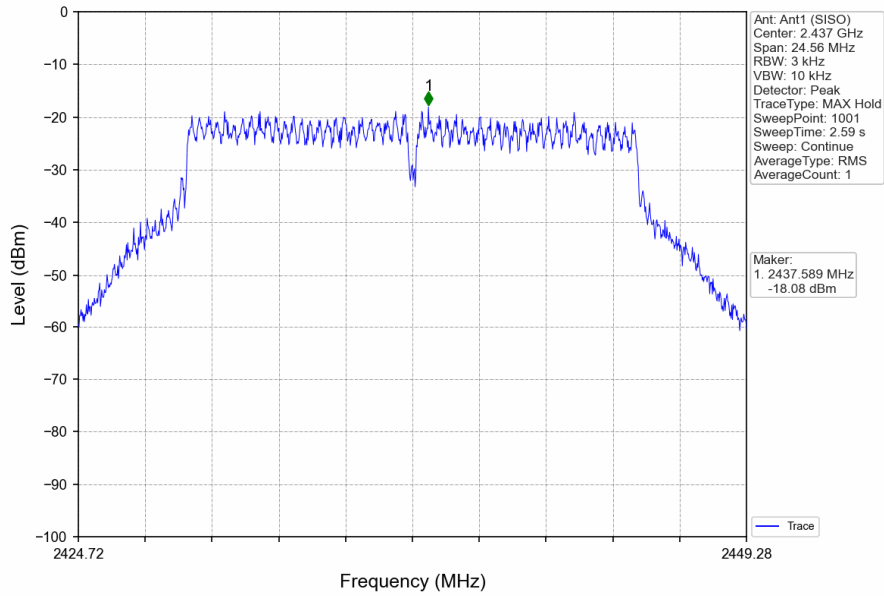


802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

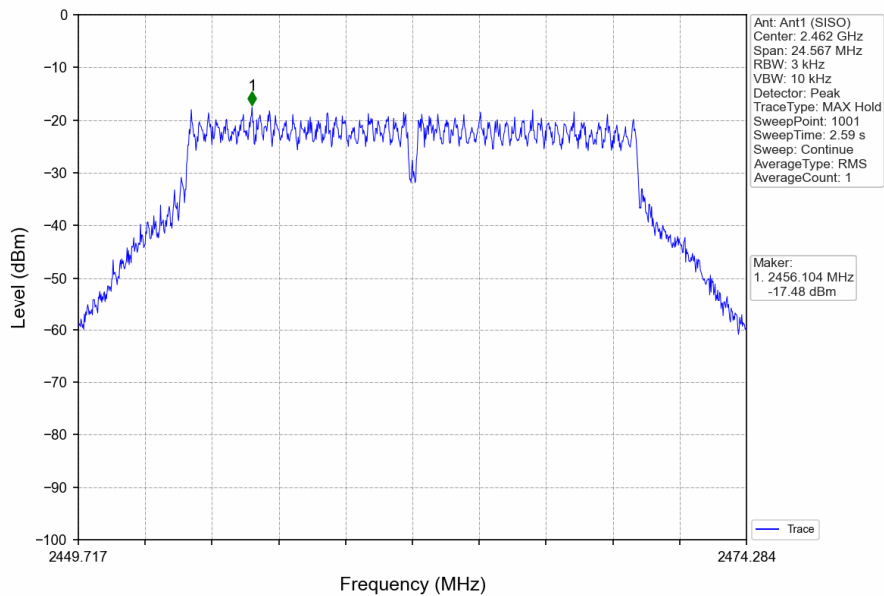


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802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV

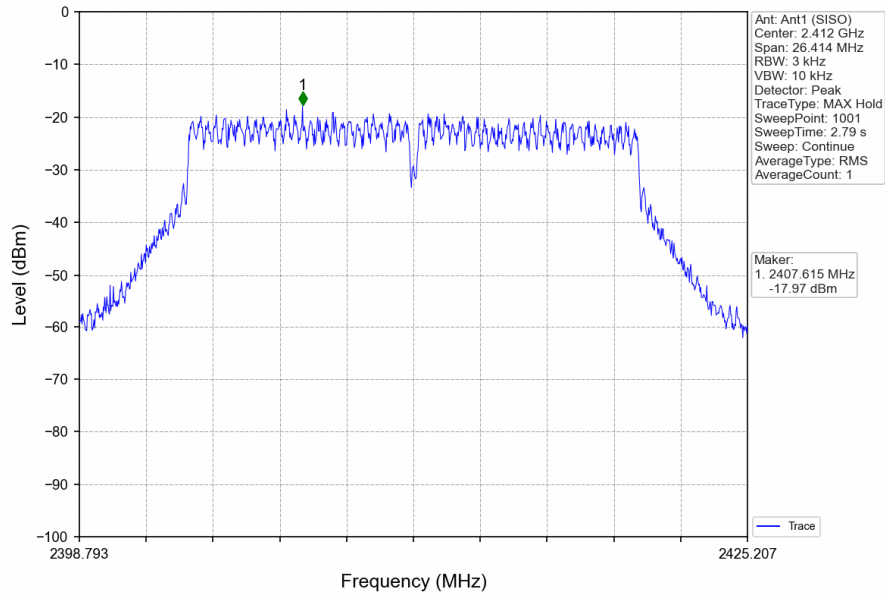


802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

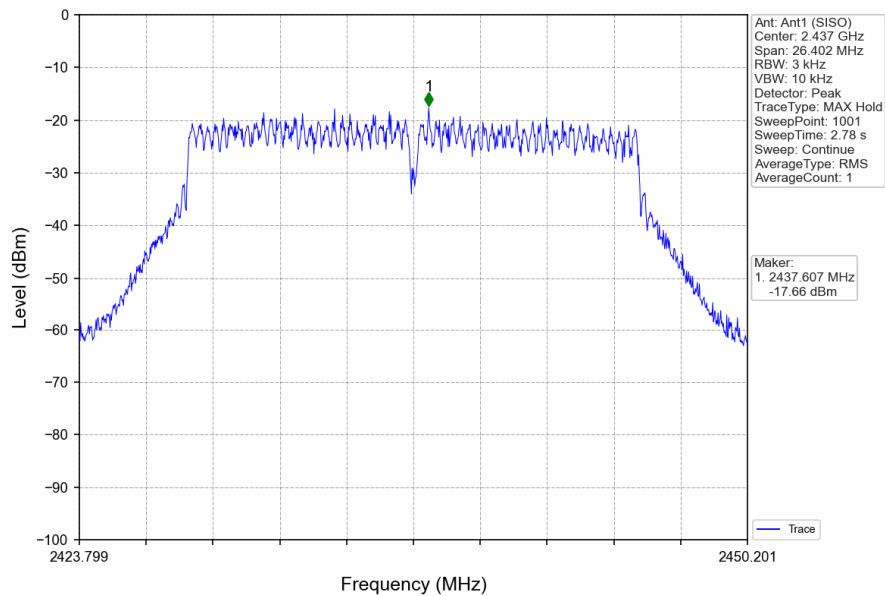


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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



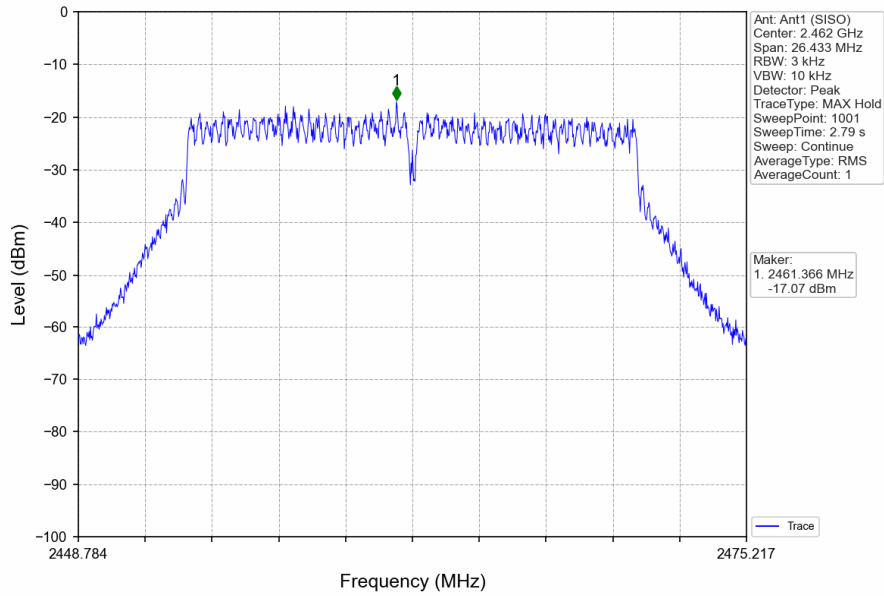
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



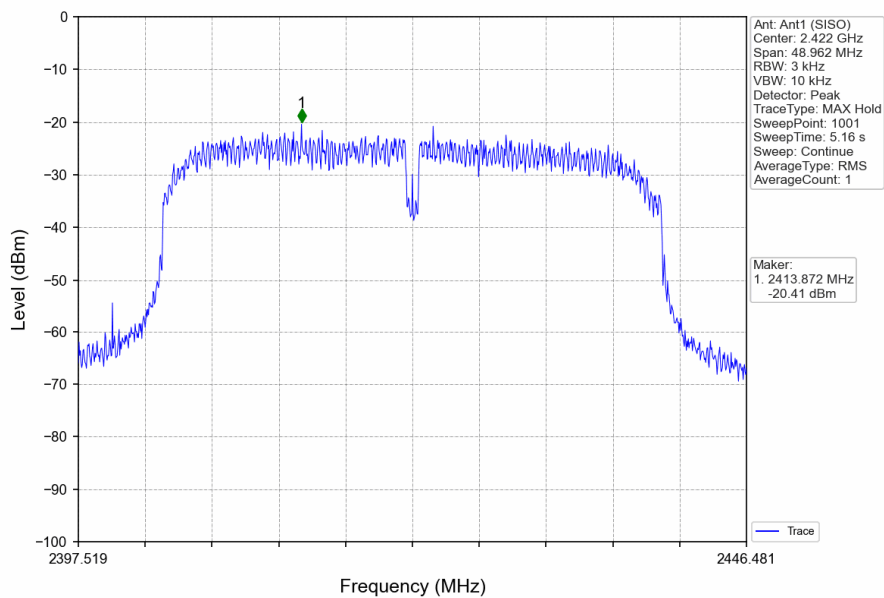
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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



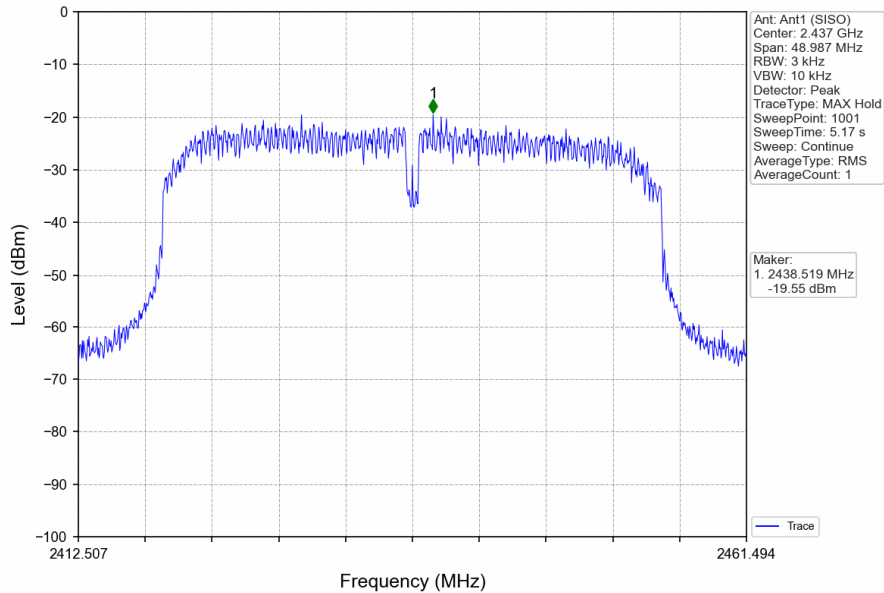
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



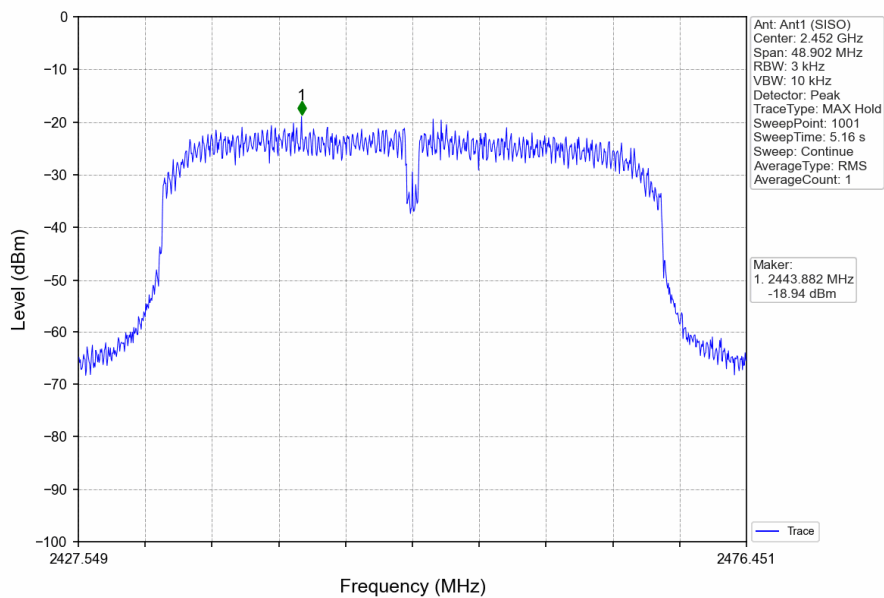
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802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

5.1.1 Test Result

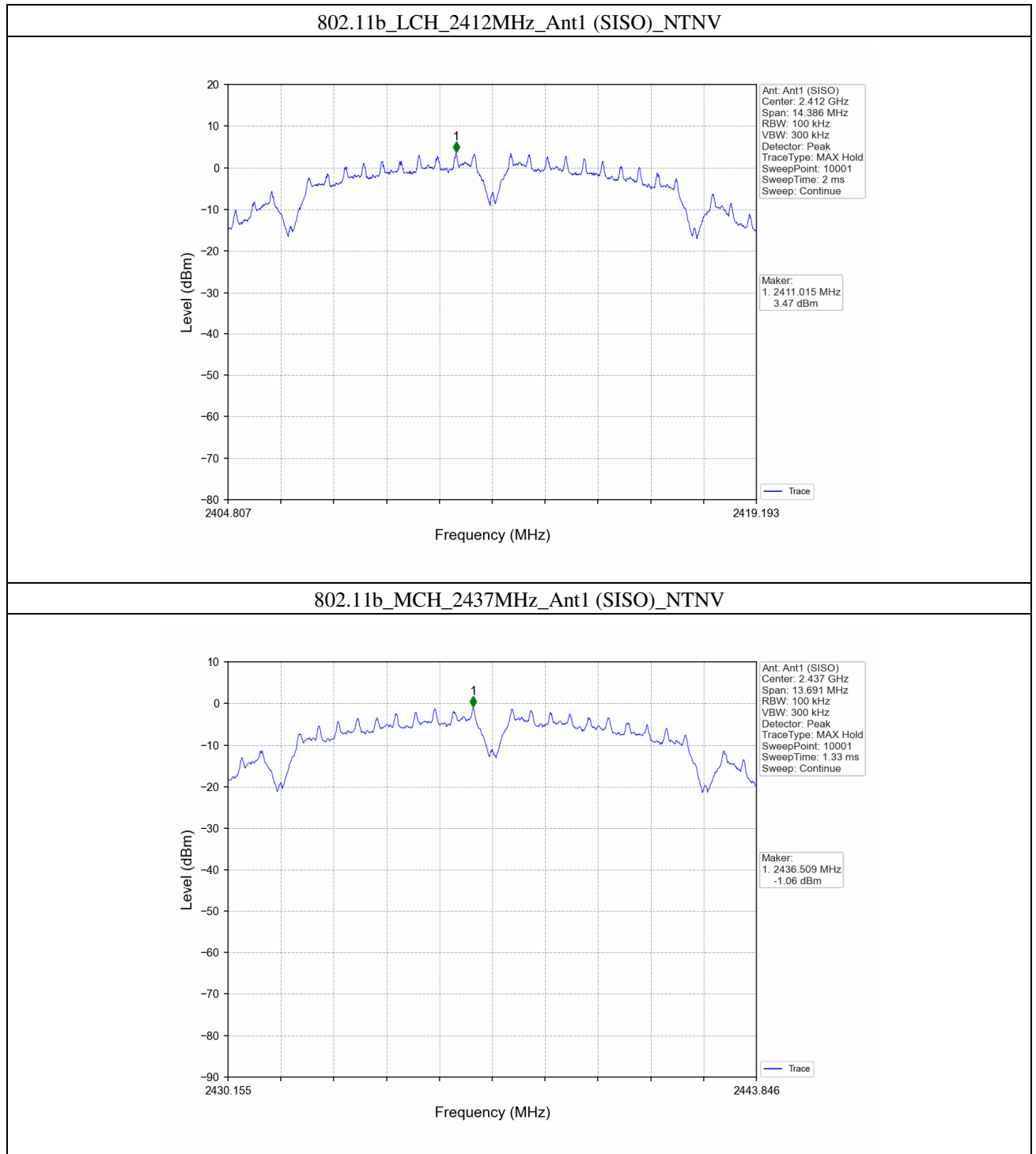
| Mode | TX Type | Frequency (MHz) | Ant | Level of Reference (dBm) |
|----------------|---------|-----------------|-----|--------------------------|
| 802.11b | SISO | 2412 | 1 | 3.47 |
| | | 2437 | 1 | -1.06 |
| | | 2462 | 1 | -1.31 |
| 802.11g | SISO | 2412 | 1 | -5.53 |
| | | 2437 | 1 | -4.66 |
| | | 2462 | 1 | -3.84 |
| 802.11n (HT20) | SISO | 2412 | 1 | -4.93 |
| | | 2437 | 1 | -4.65 |
| | | 2462 | 1 | -3.86 |
| 802.11n (HT40) | SISO | 2422 | 1 | -7.01 |
| | | 2437 | 1 | -6.10 |
| | | 2452 | 1 | -6.41 |

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.



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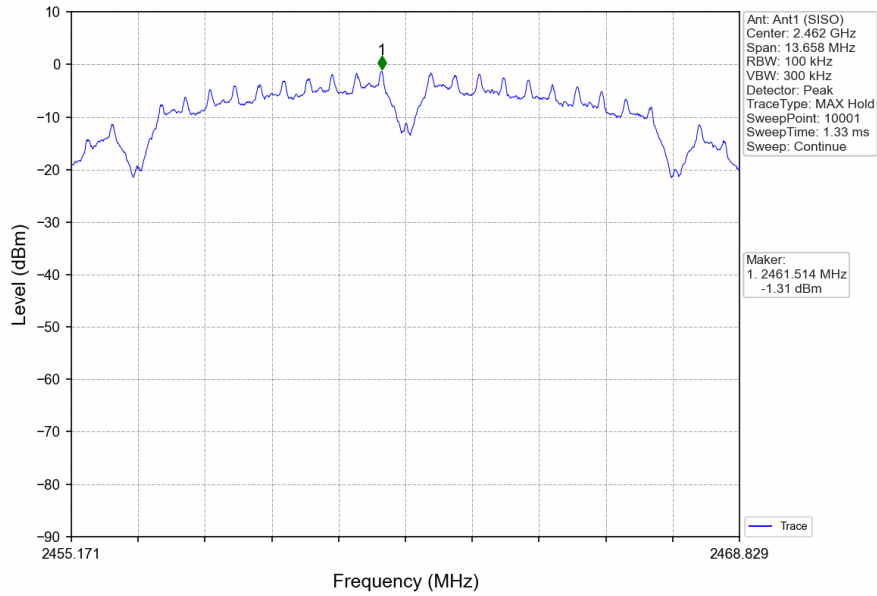
5.1.2 Test Graph



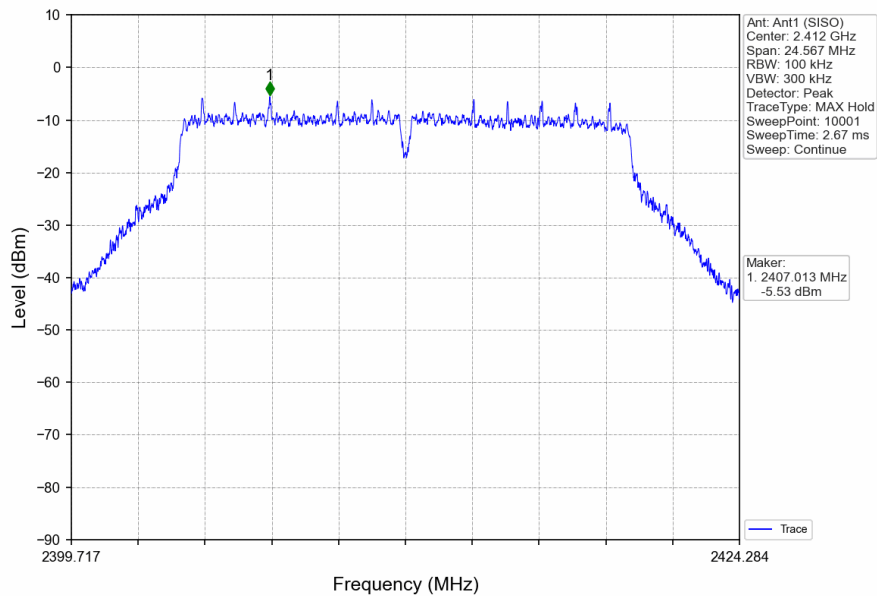
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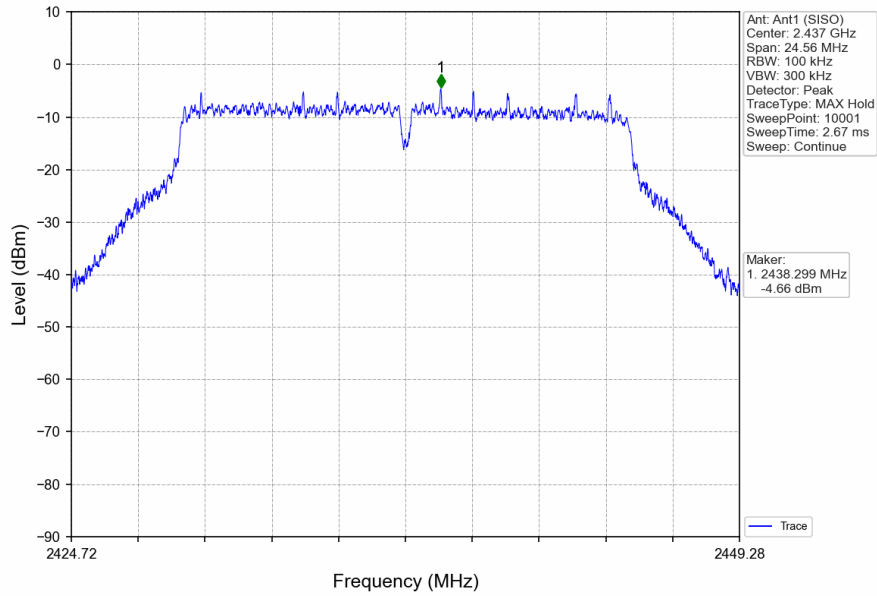


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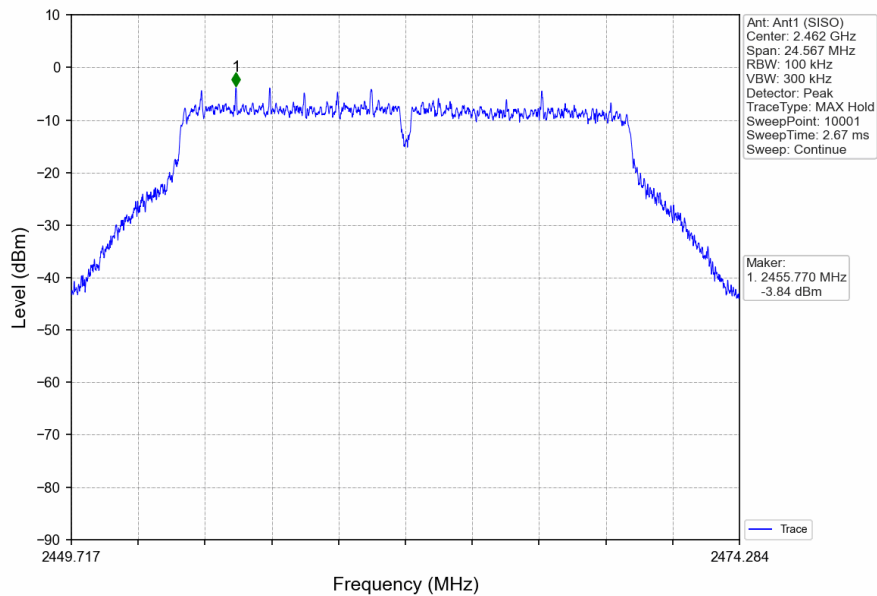


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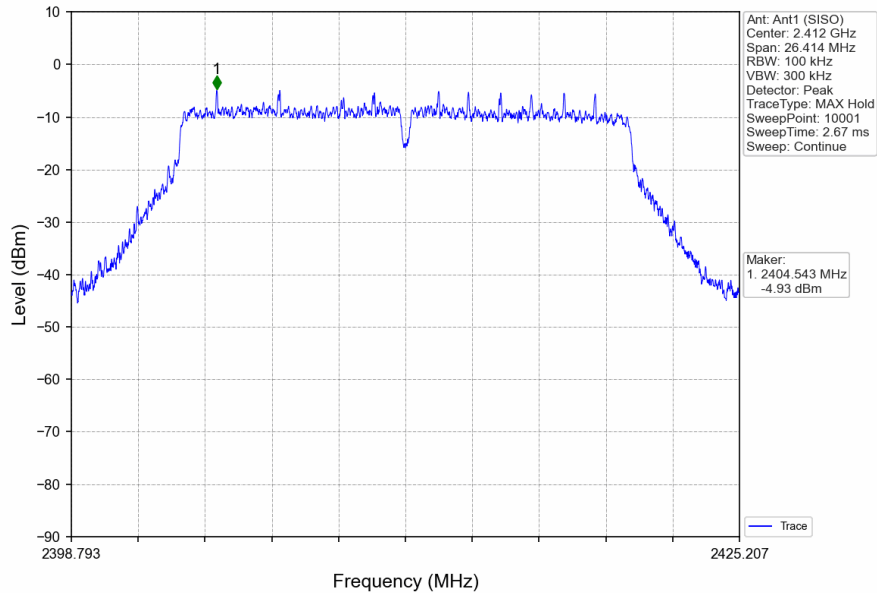
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



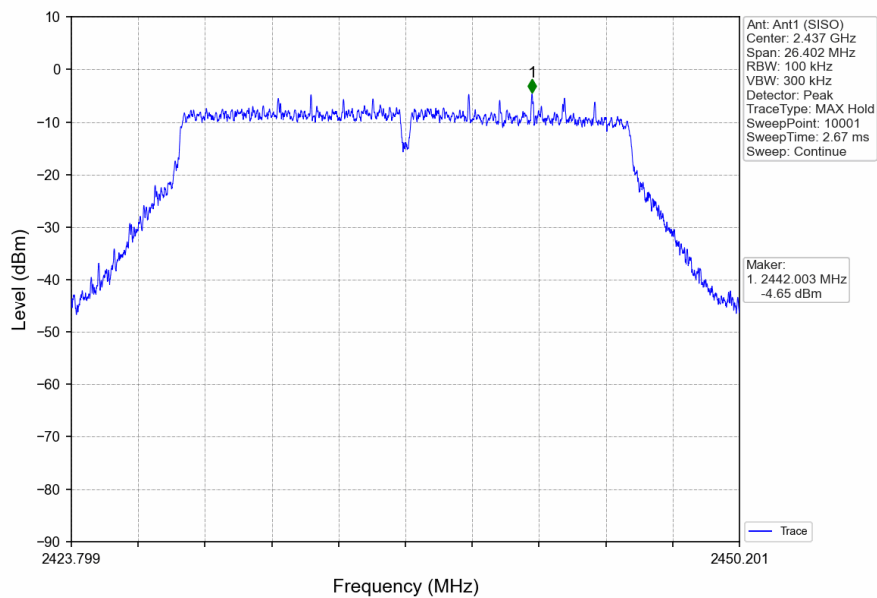
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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV

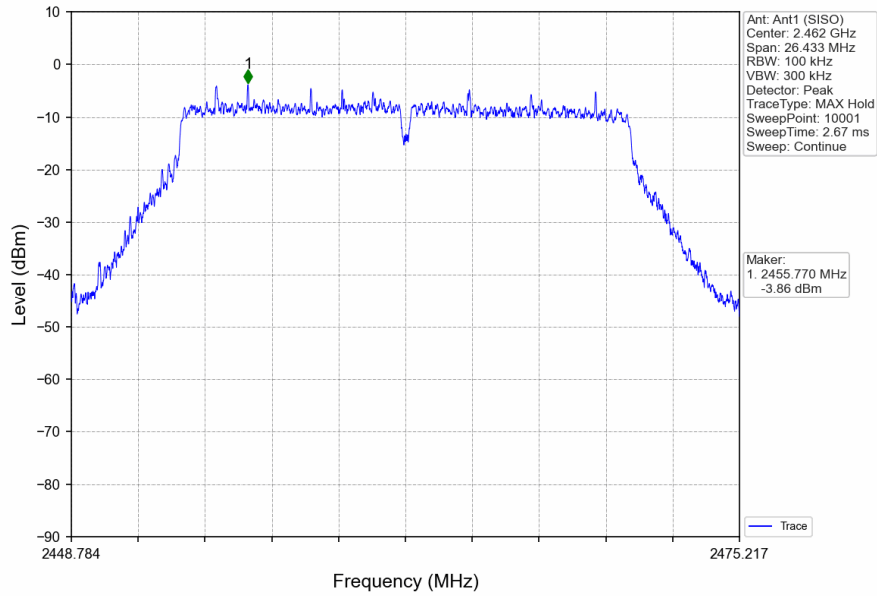


802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV

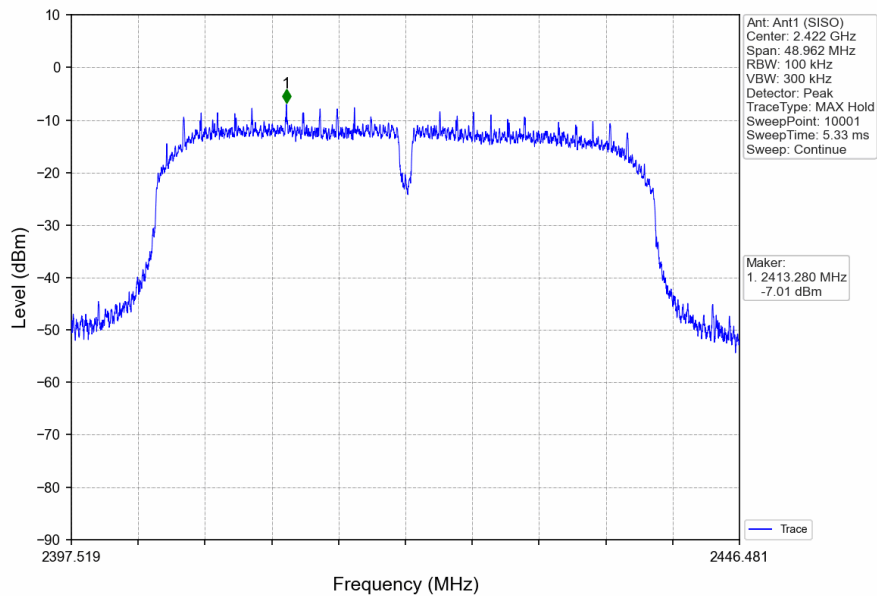


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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



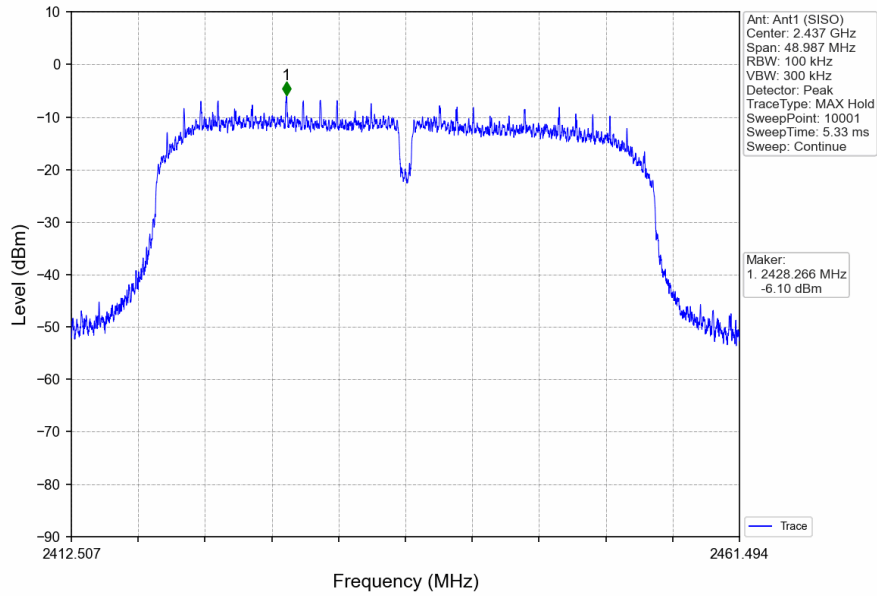
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



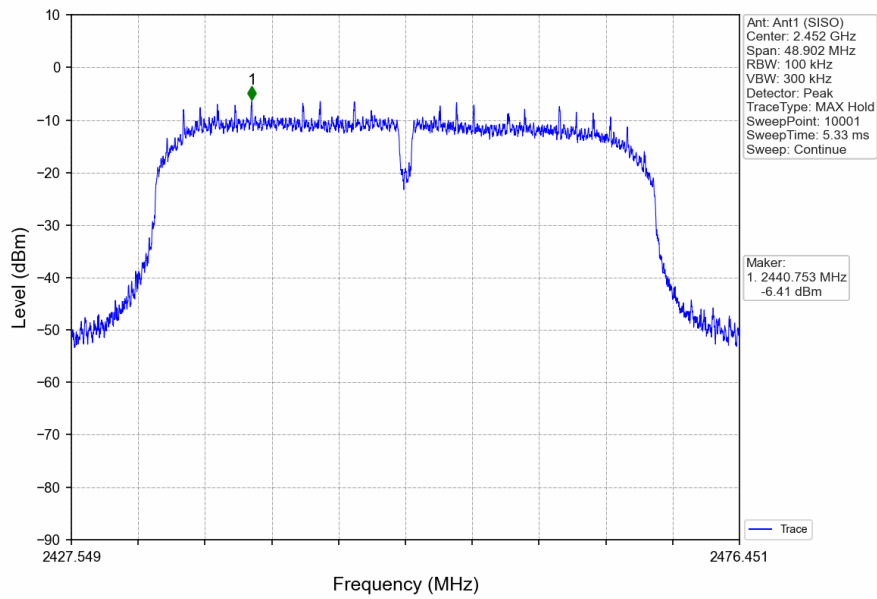
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802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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5.2 CSE

5.2.1 Test Result

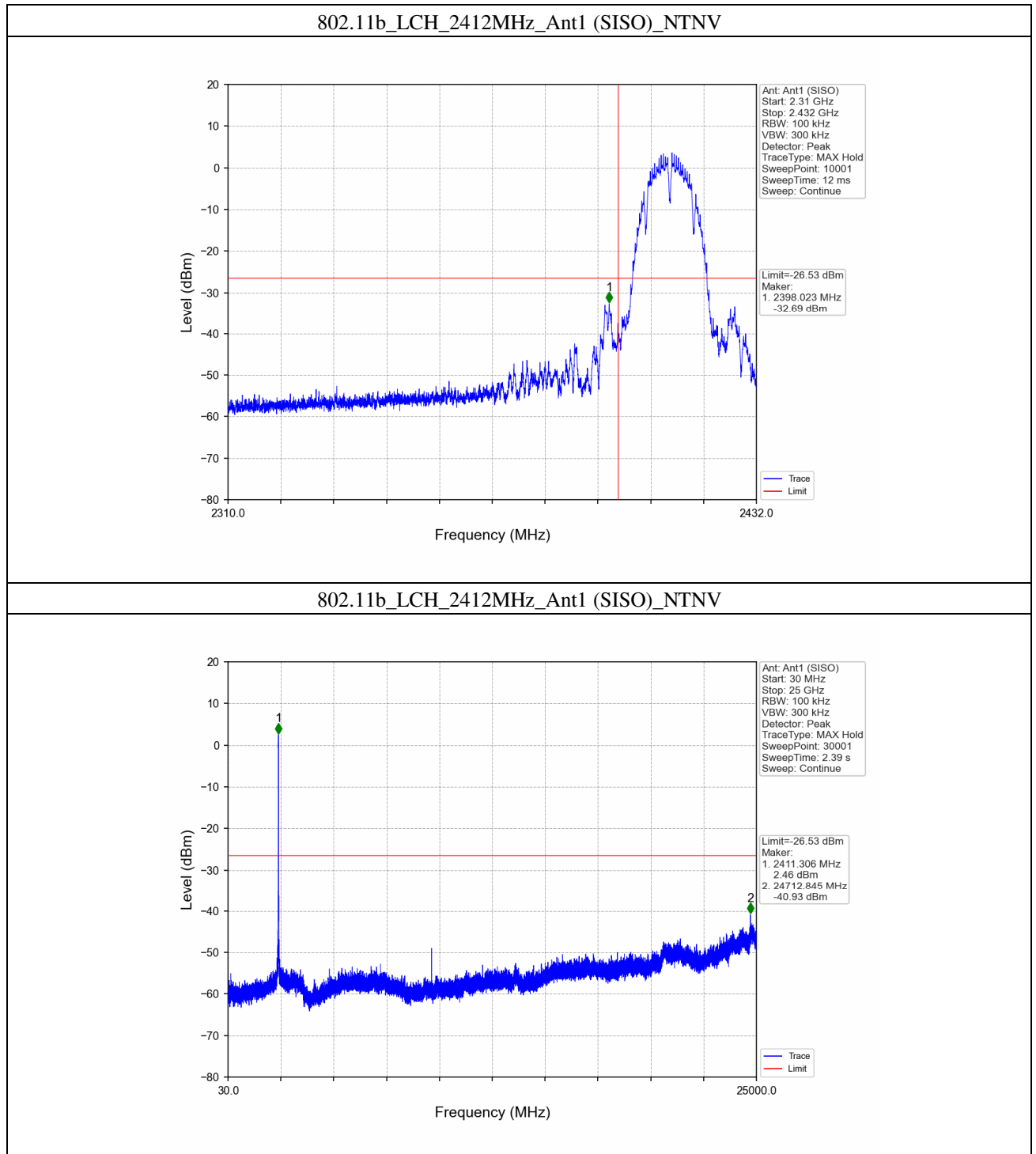
| Mode | TX Type | Frequency (MHz) | Ant | Level of Reference (dBm) | Limit (dBm) | Verdict |
|----------------|---------|-----------------|-----|--------------------------|-------------|---------|
| 802.11b | SISO | 2412 | 1 | 3.47 | -26.53 | Pass |
| | | 2437 | 1 | 3.47 | -26.53 | Pass |
| | | 2462 | 1 | 3.47 | -26.53 | Pass |
| 802.11g | SISO | 2412 | 1 | -3.84 | -33.84 | Pass |
| | | 2437 | 1 | -3.84 | -33.84 | Pass |
| | | 2462 | 1 | -3.84 | -33.84 | Pass |
| 802.11n (HT20) | SISO | 2412 | 1 | -3.86 | -33.86 | Pass |
| | | 2437 | 1 | -3.86 | -33.86 | Pass |
| | | 2462 | 1 | -3.86 | -33.86 | Pass |
| 802.11n (HT40) | SISO | 2422 | 1 | -6.10 | -36.10 | Pass |
| | | 2437 | 1 | -6.10 | -36.10 | Pass |
| | | 2452 | 1 | -6.10 | -36.10 | 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.



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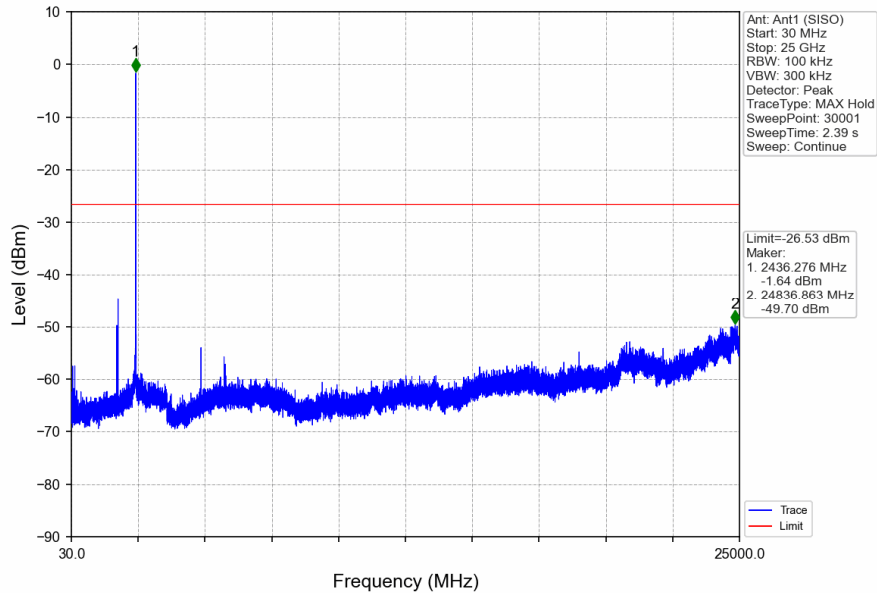
5.2.2 Test Graph



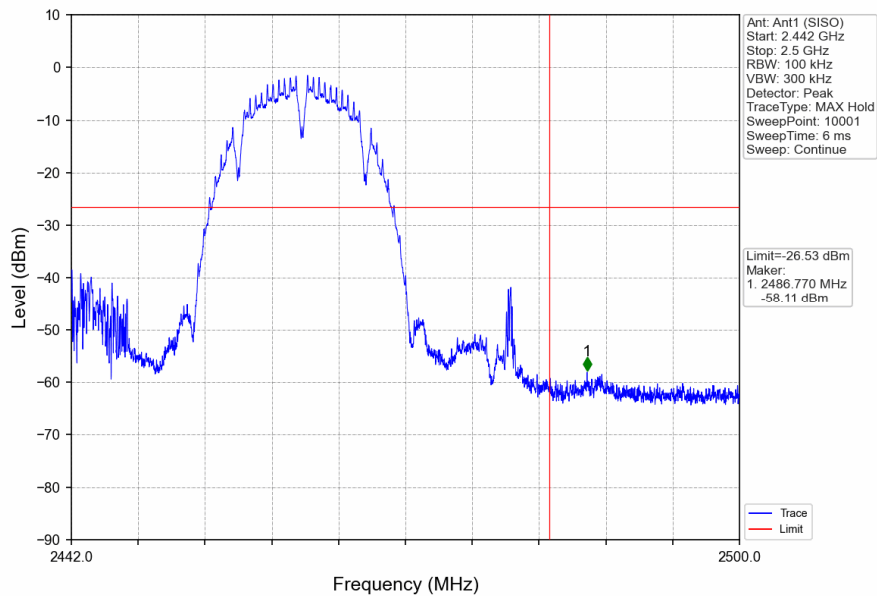
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802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV

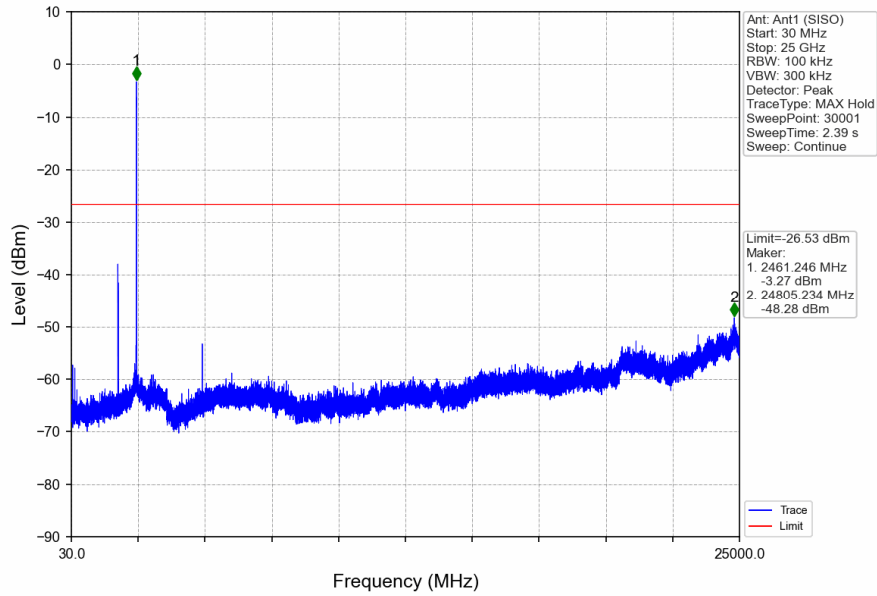


802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV

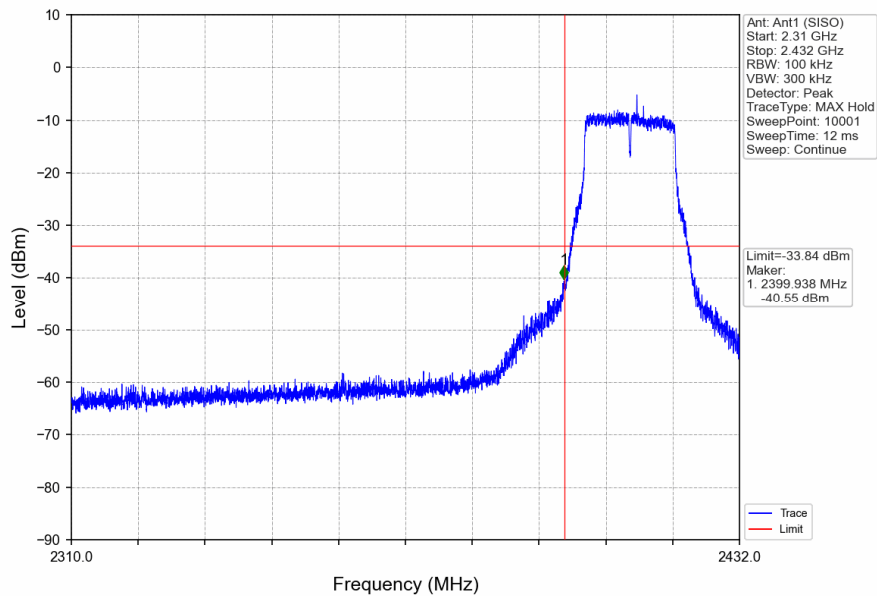


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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



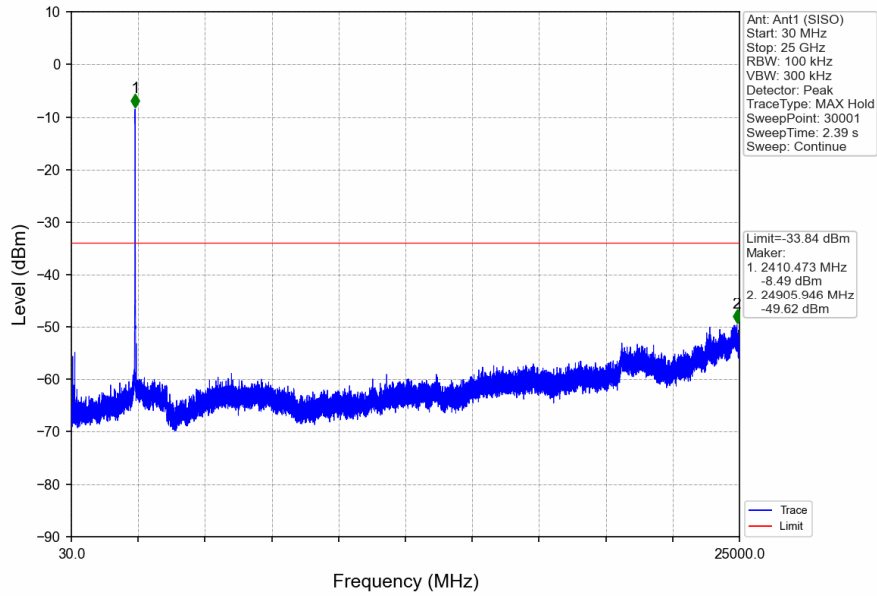
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



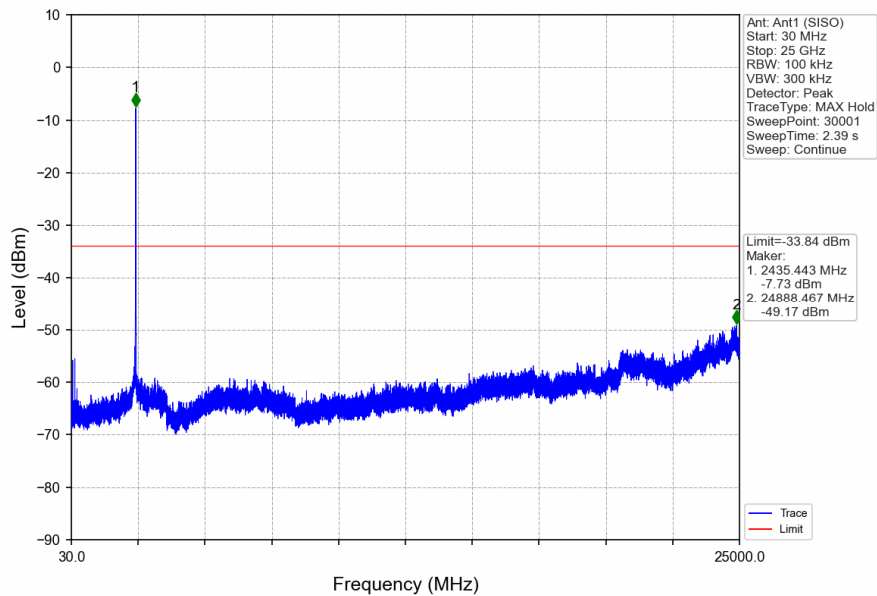
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802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

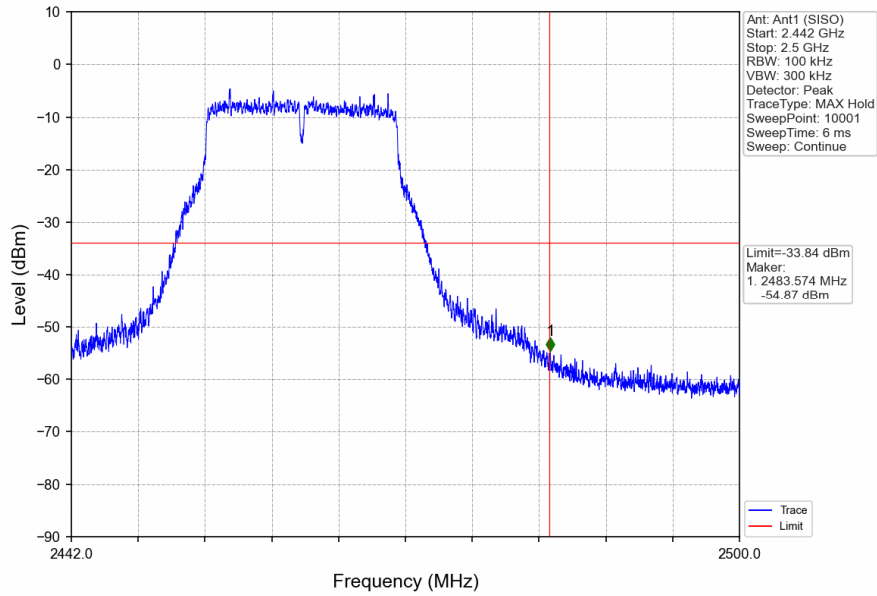


802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV

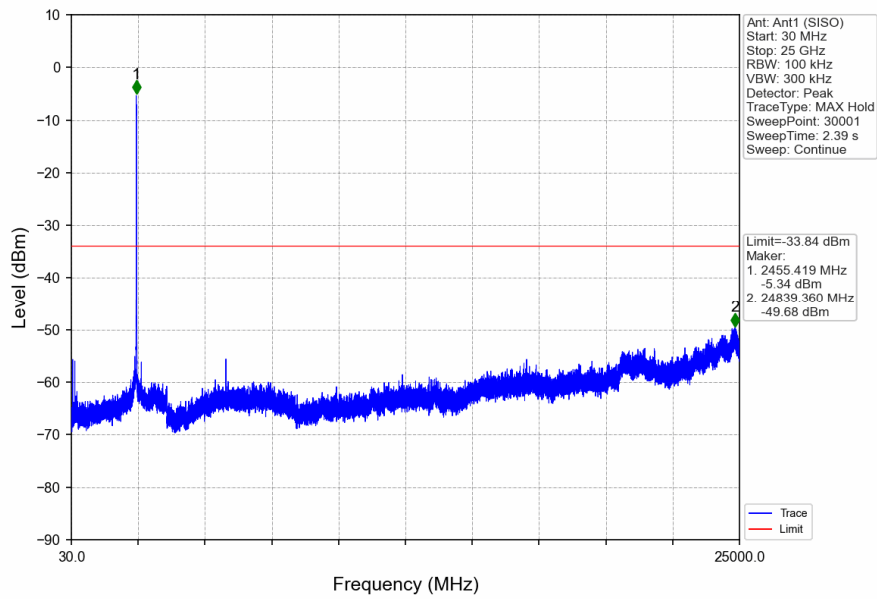


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802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

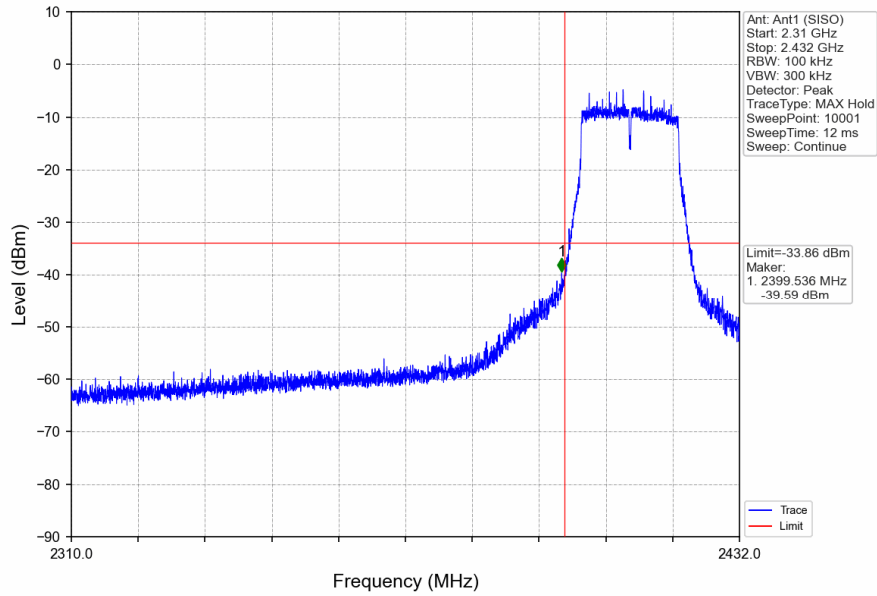


802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

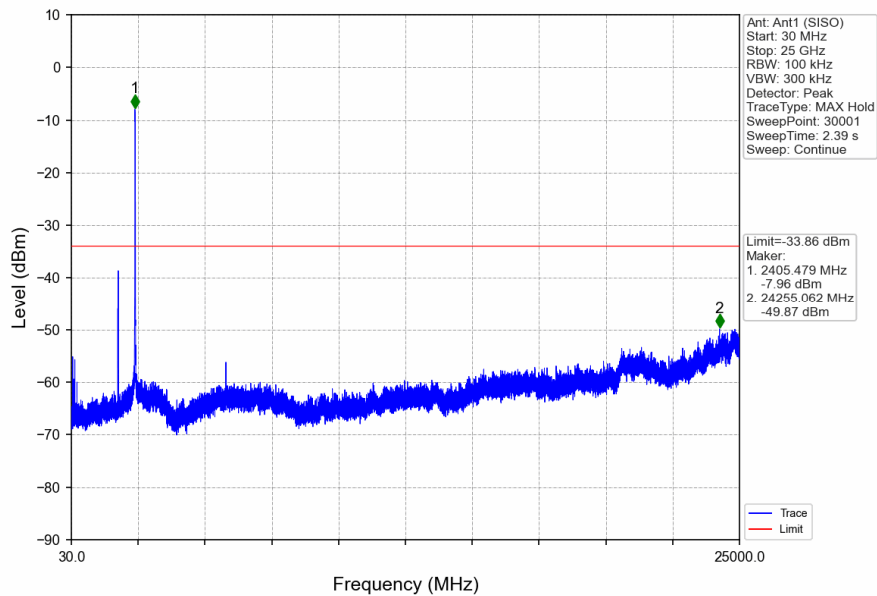


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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



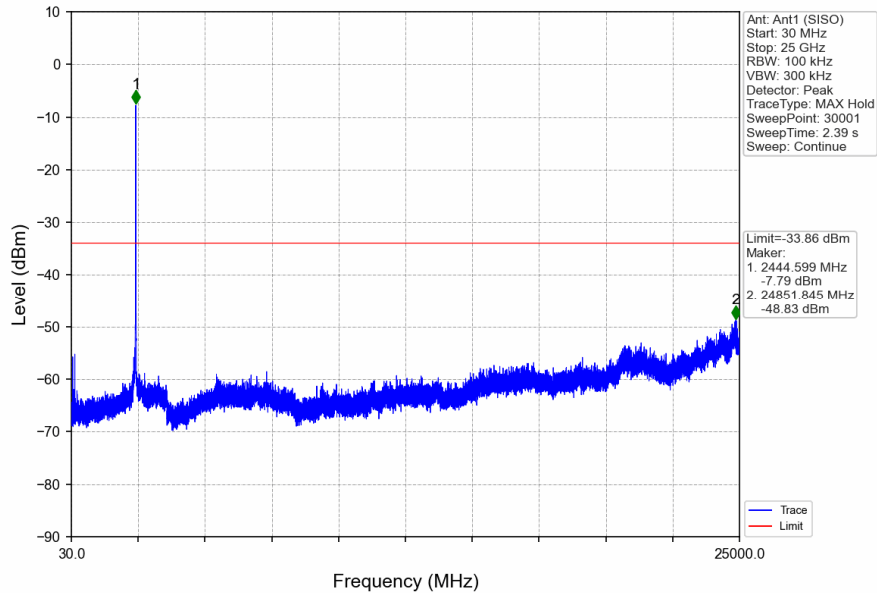
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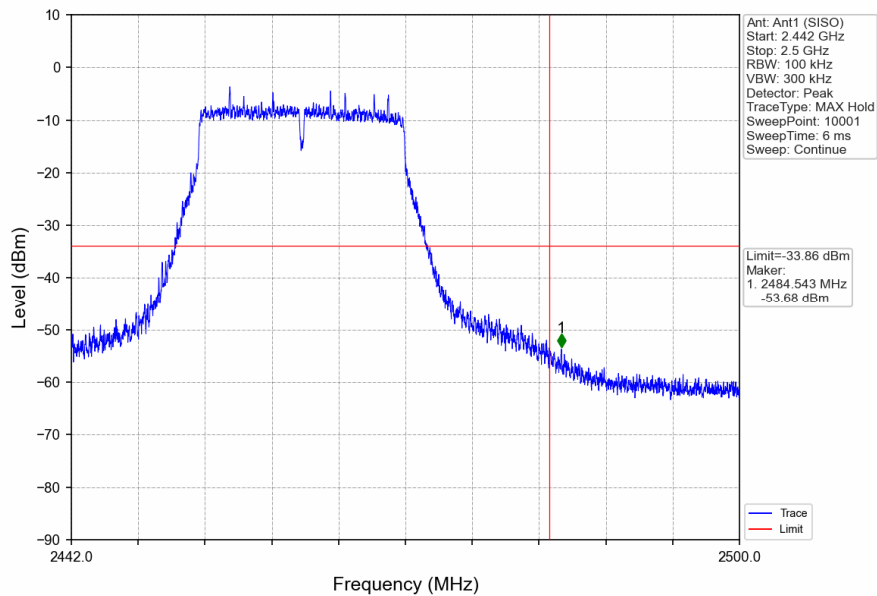
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802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



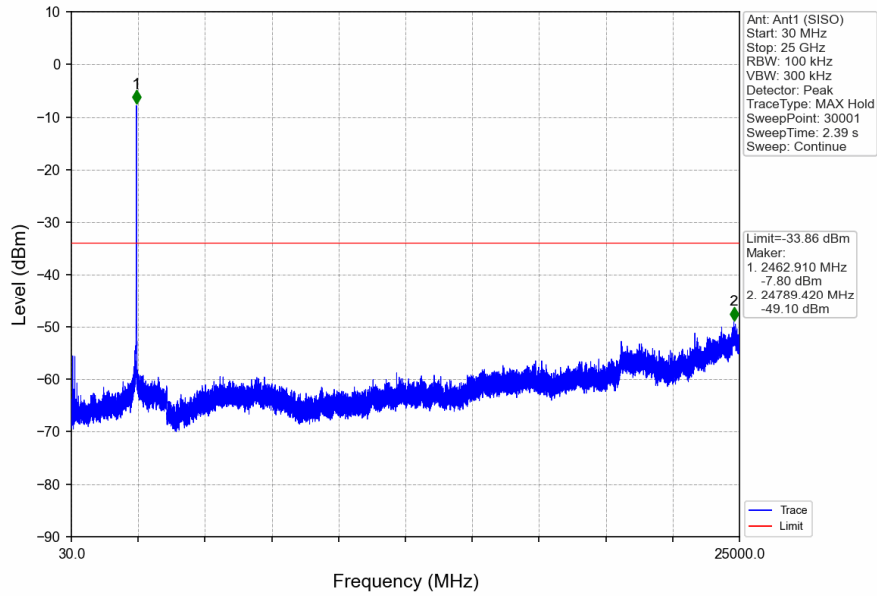
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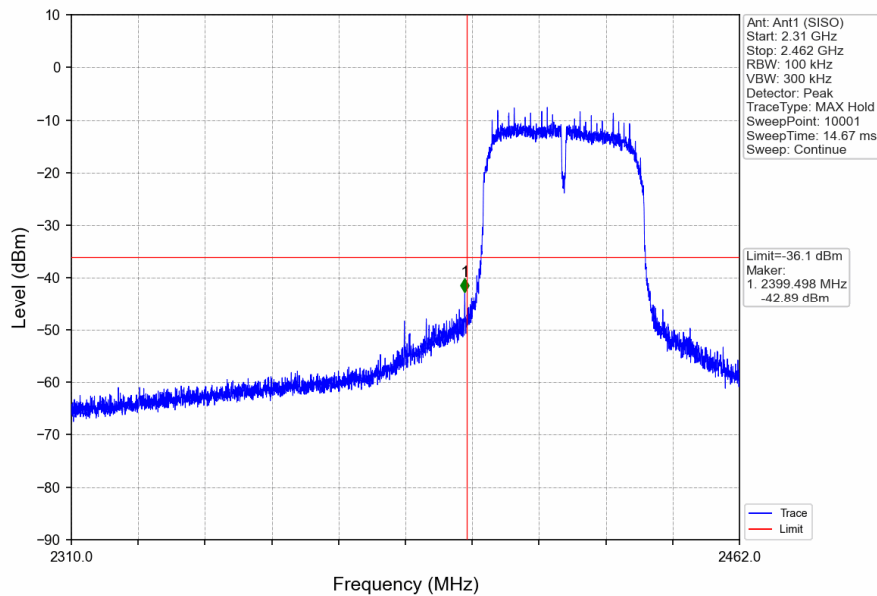
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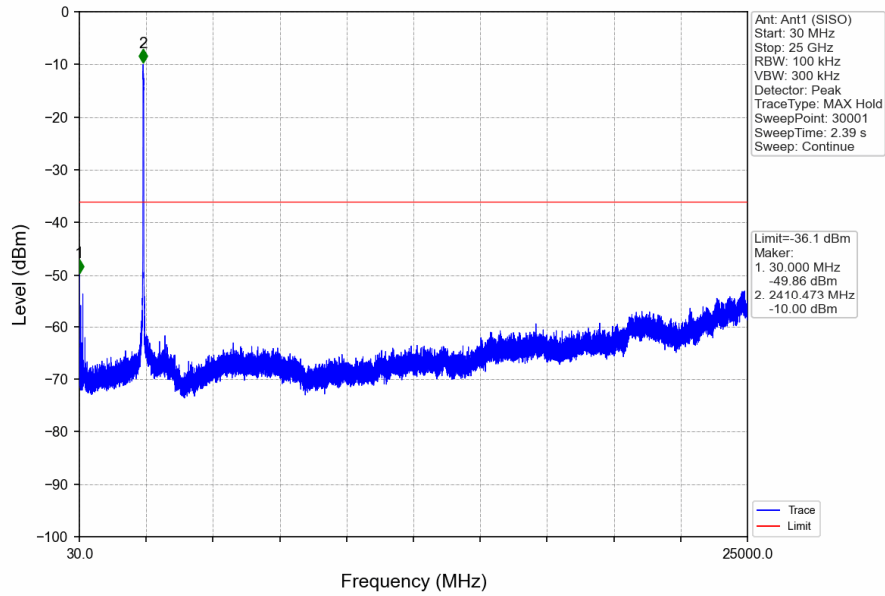


802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV

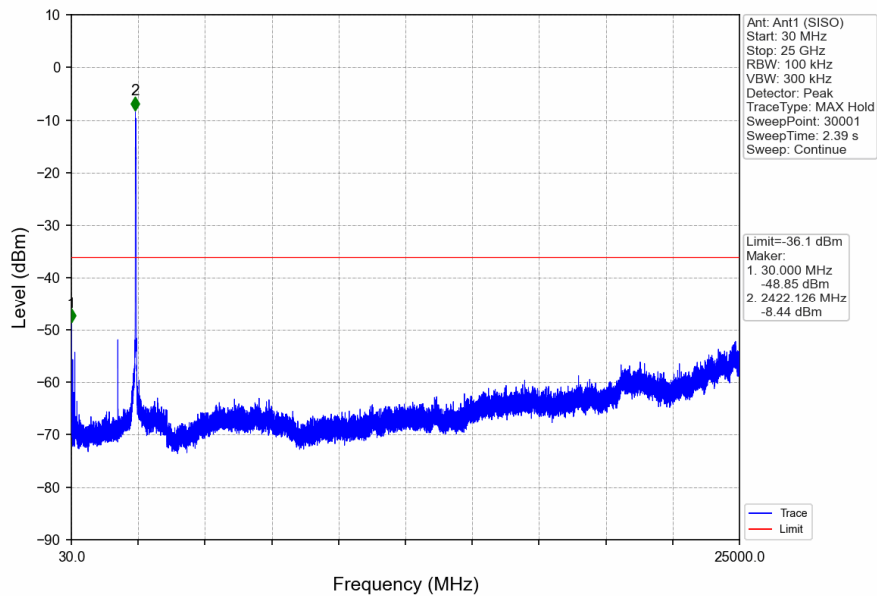


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802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



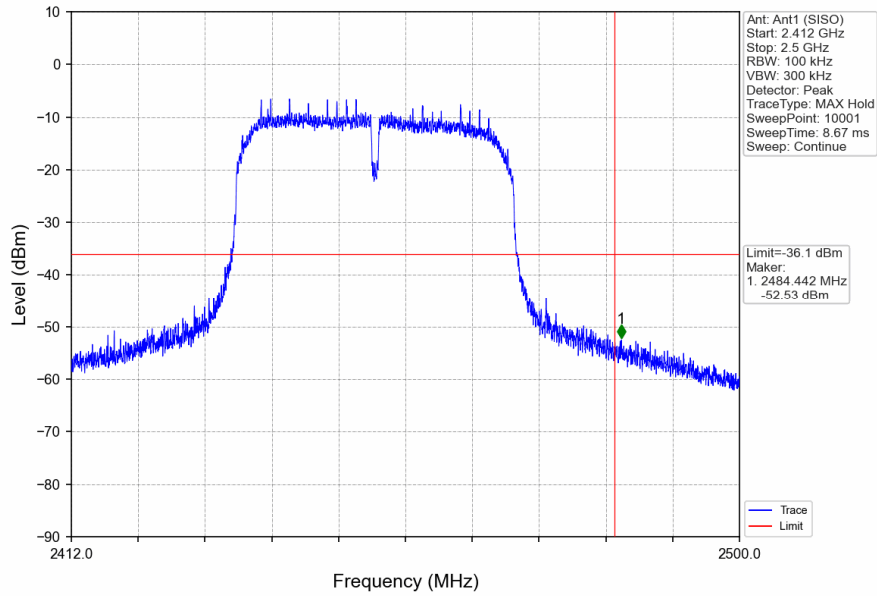
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



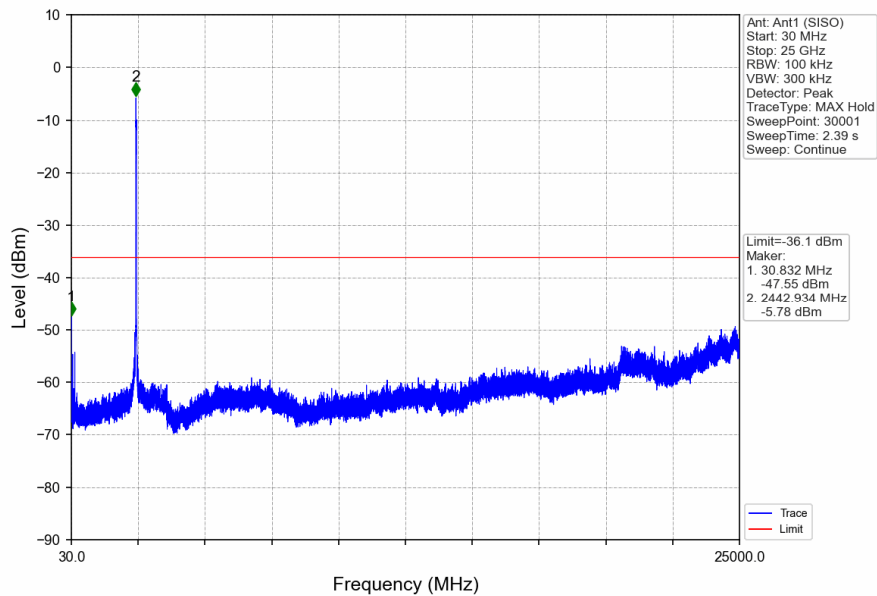
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802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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