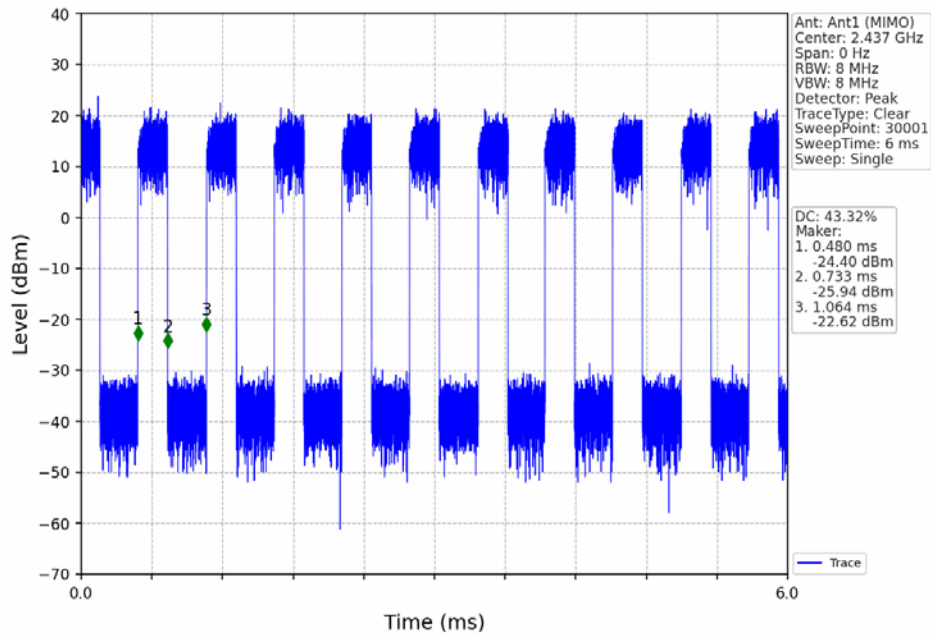
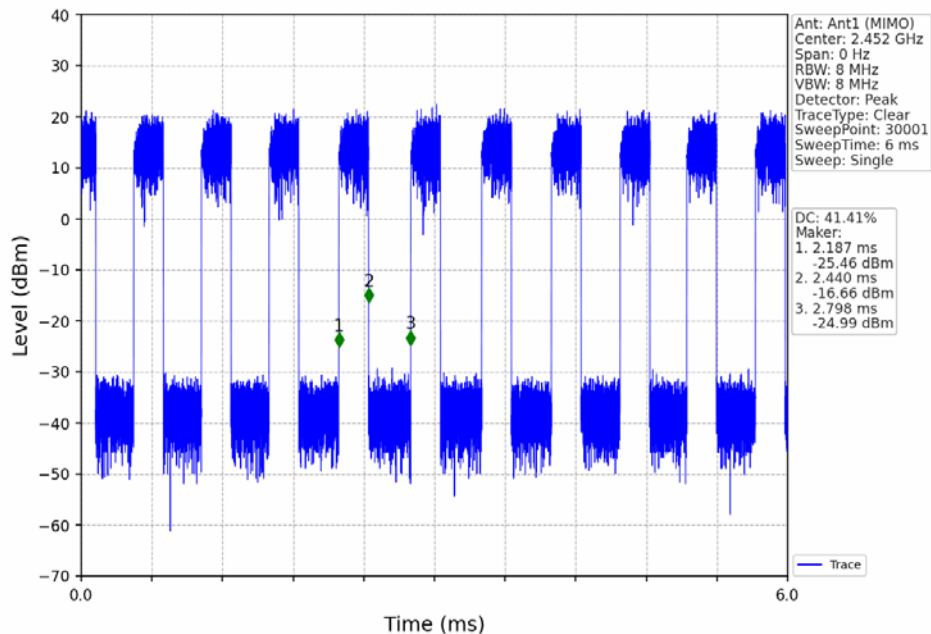


802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



2. Bandwidth

2.1 6dB BW

2.1.1 Test Result

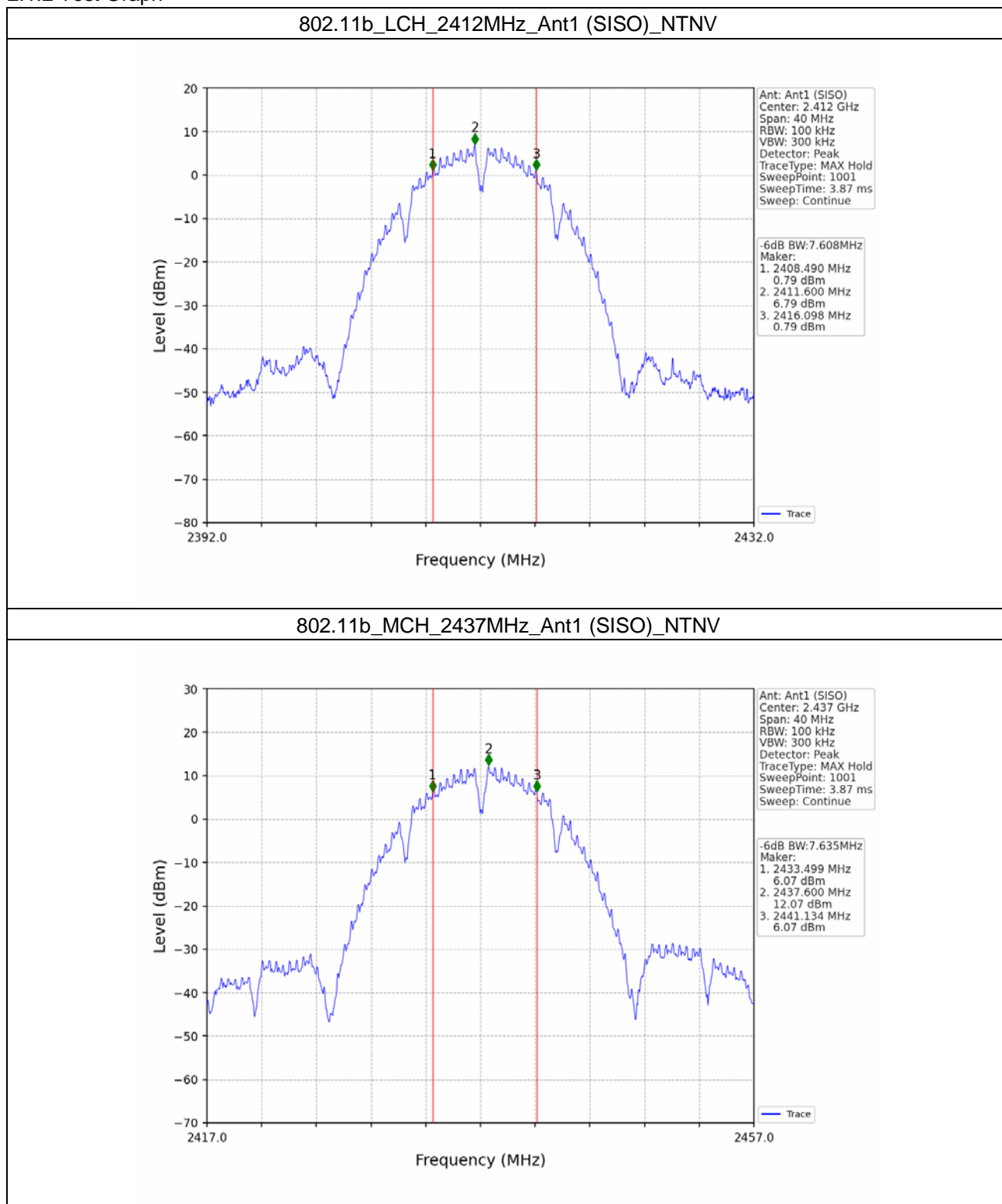
| Mode | TX Type | Frequency (MHz) | ANT | 6dB Bandwidth (MHz) | | Verdict |
|----------------|---------|-----------------|-----|---------------------|------------|---------|
| | | | | Result | Limit | |
| 802.11b | SISO | 2412 | 1 | 7.608 | ≥ 0.5 | Pass |
| | | 2437 | 1 | 7.635 | ≥ 0.5 | Pass |
| | | 2462 | 1 | 9.074 | ≥ 0.5 | Pass |
| 802.11g | SISO | 2412 | 1 | 15.103 | ≥ 0.5 | Pass |
| | | 2437 | 1 | 15.135 | ≥ 0.5 | Pass |
| | | 2462 | 1 | 15.476 | ≥ 0.5 | Pass |
| 802.11n (HT20) | MIMO | 2412 | 1 | 15.129 | ≥ 0.5 | Pass |
| | | 2437 | 1 | 15.136 | ≥ 0.5 | Pass |
| | | 2462 | 1 | 17.061 | ≥ 0.5 | Pass |
| 802.11n (HT40) | MIMO | 2422 | 1 | 35.130 | ≥ 0.5 | Pass |
| | | 2437 | 1 | 35.134 | ≥ 0.5 | Pass |
| | | 2452 | 1 | 28.790 | ≥ 0.5 | Pass |



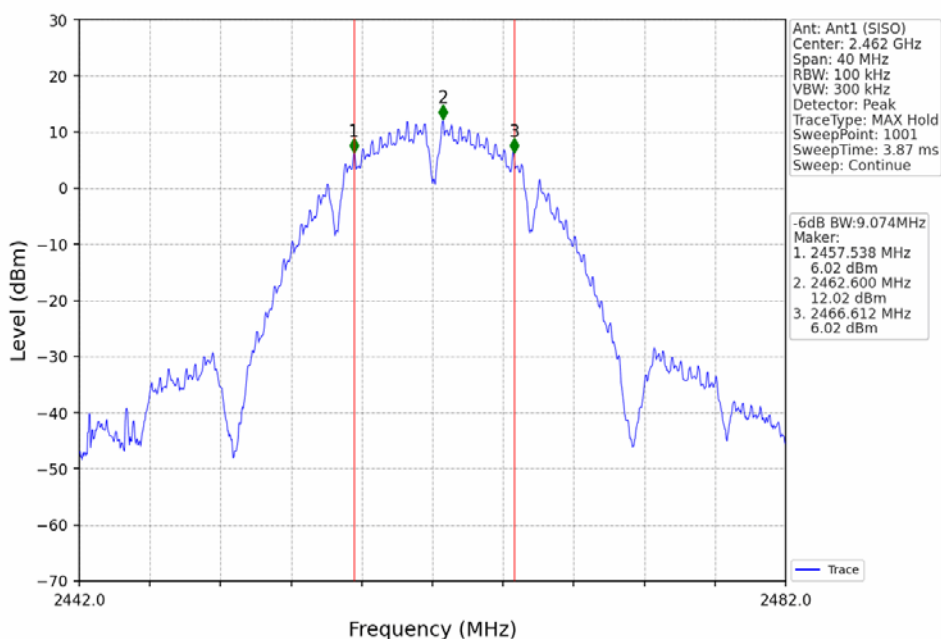
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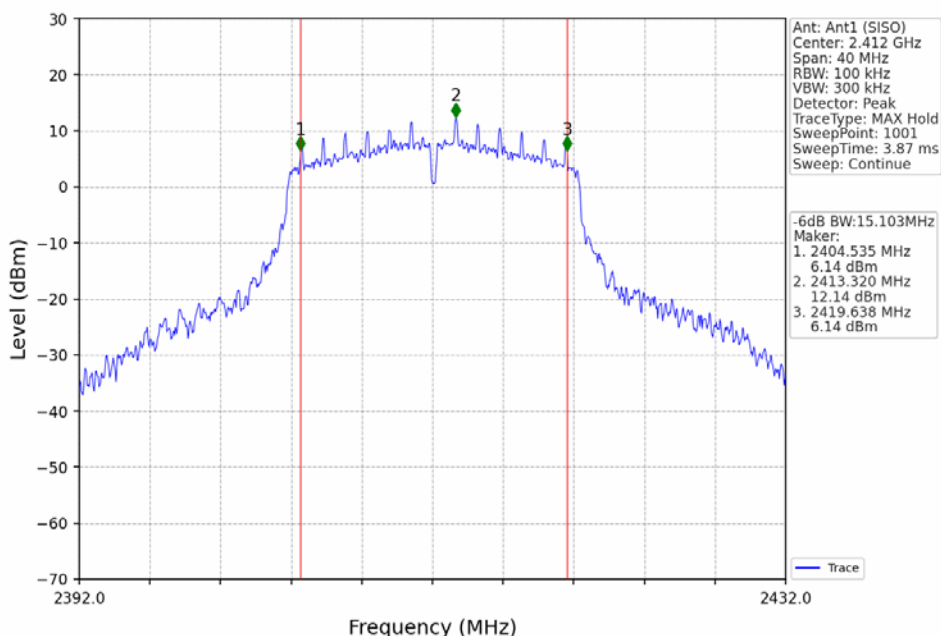
2.1.2 Test Graph



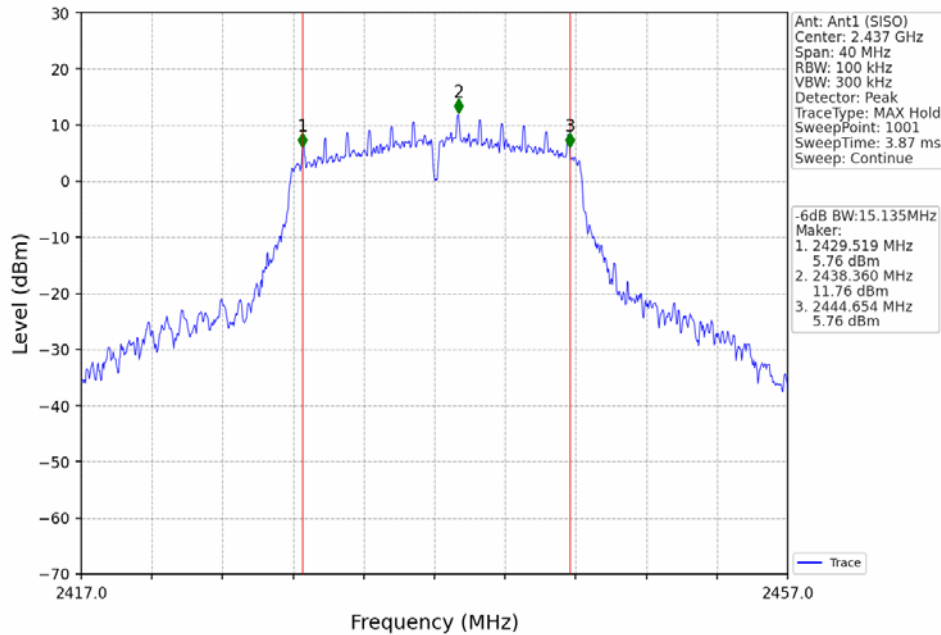
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



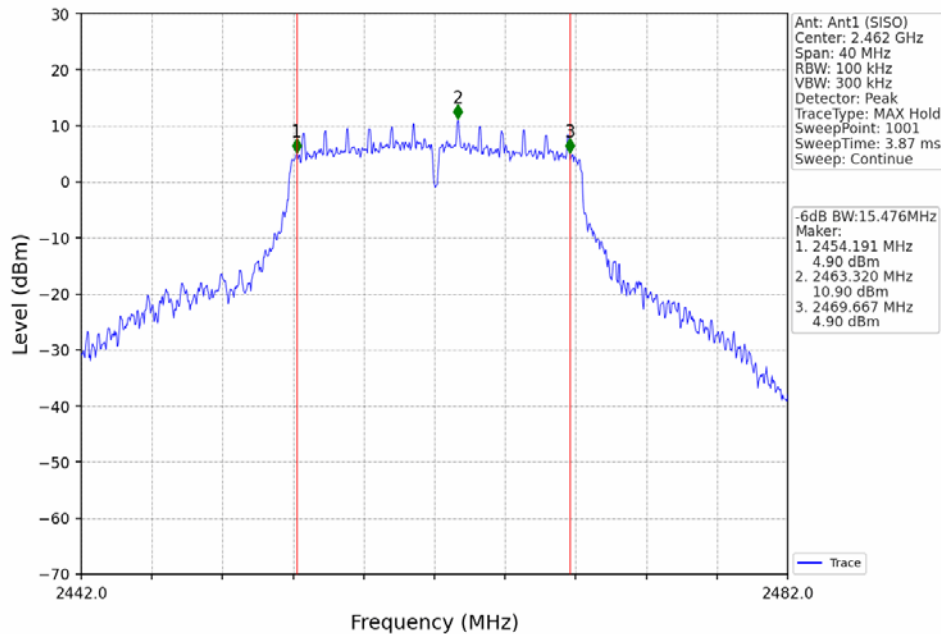
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



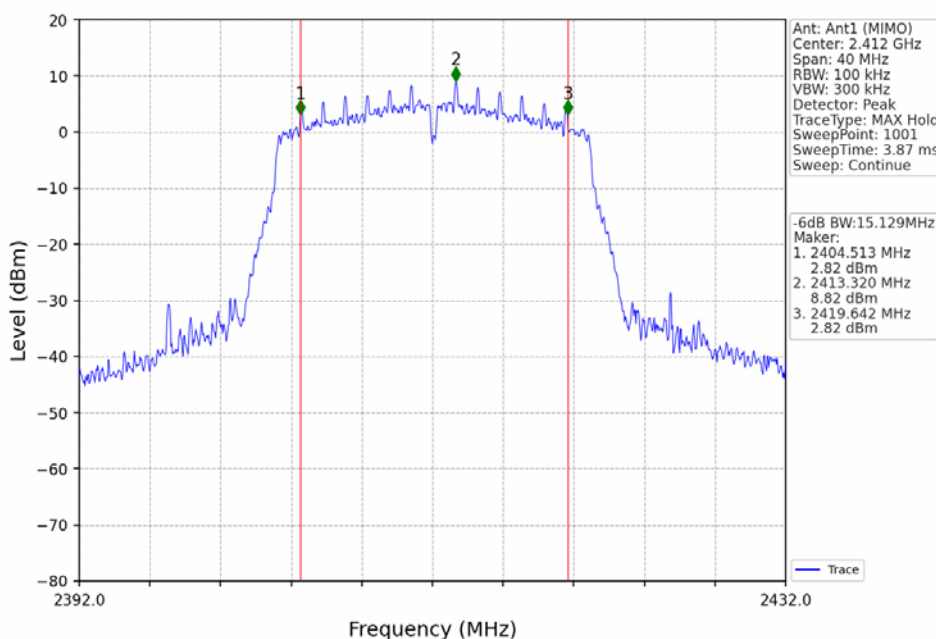
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



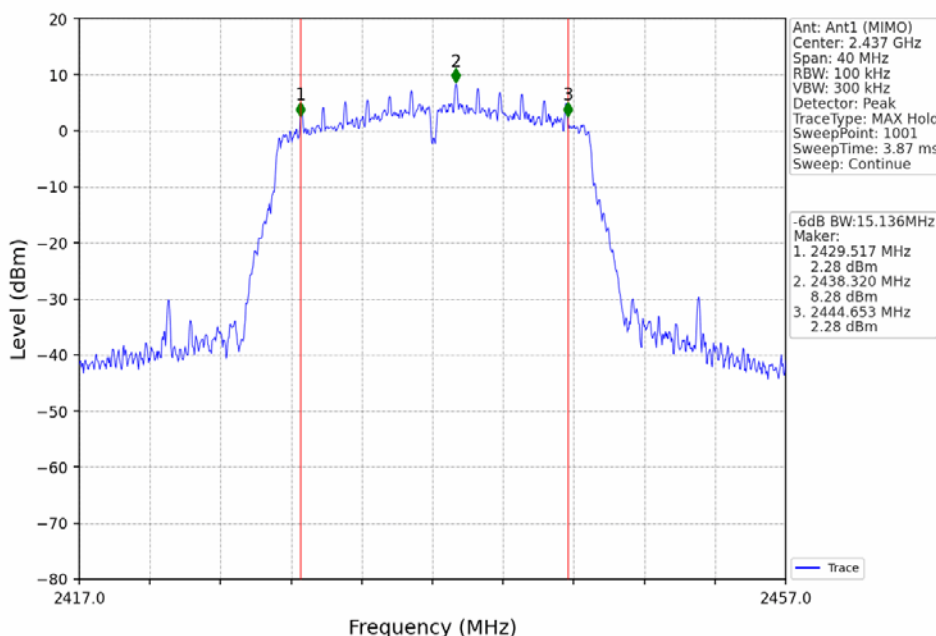
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



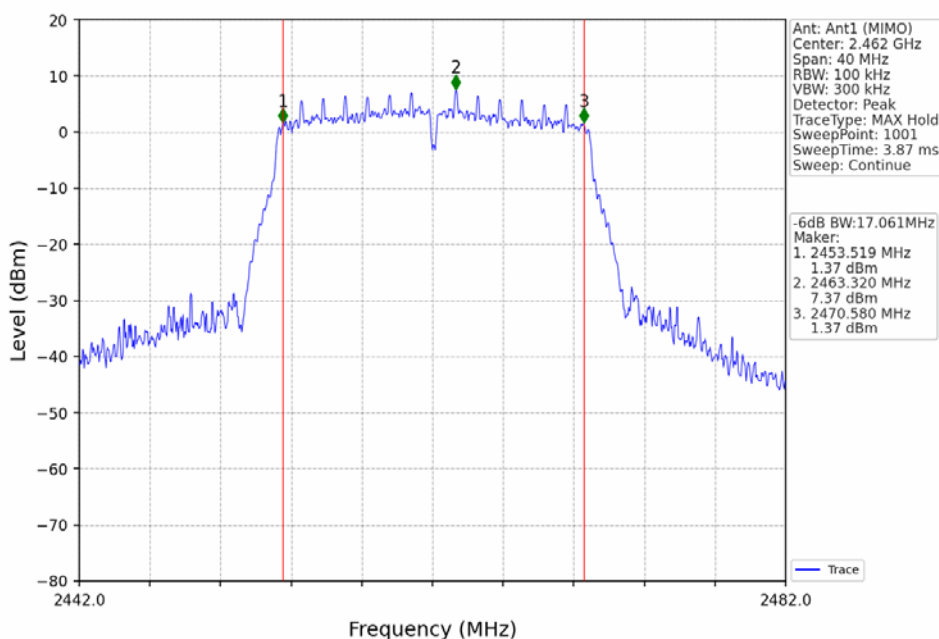
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



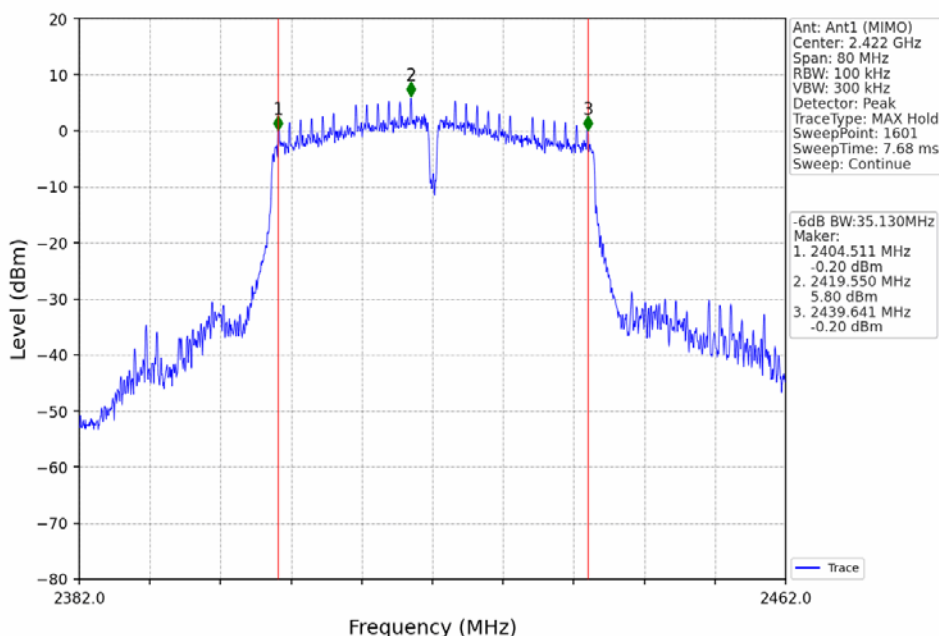
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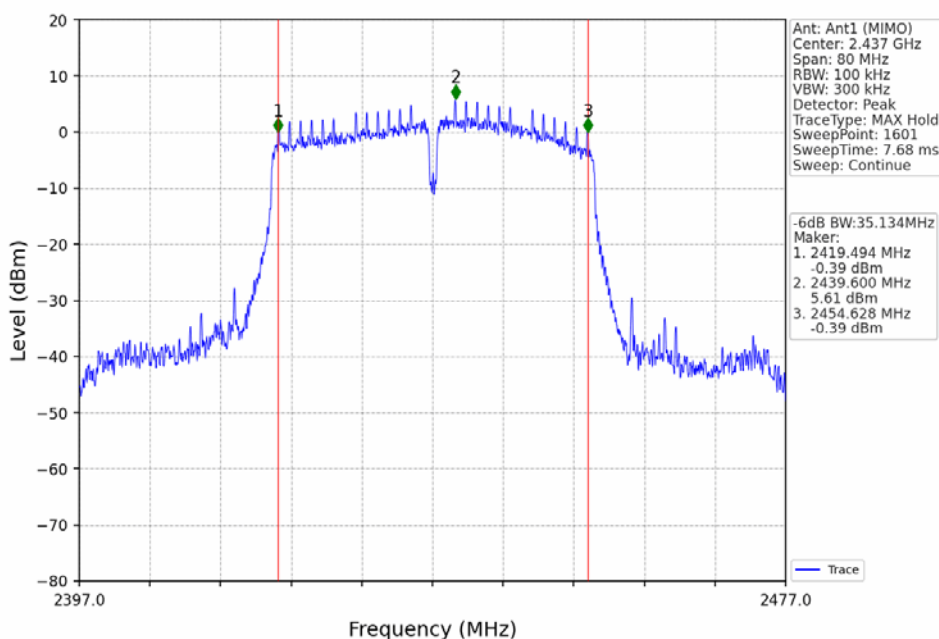
802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



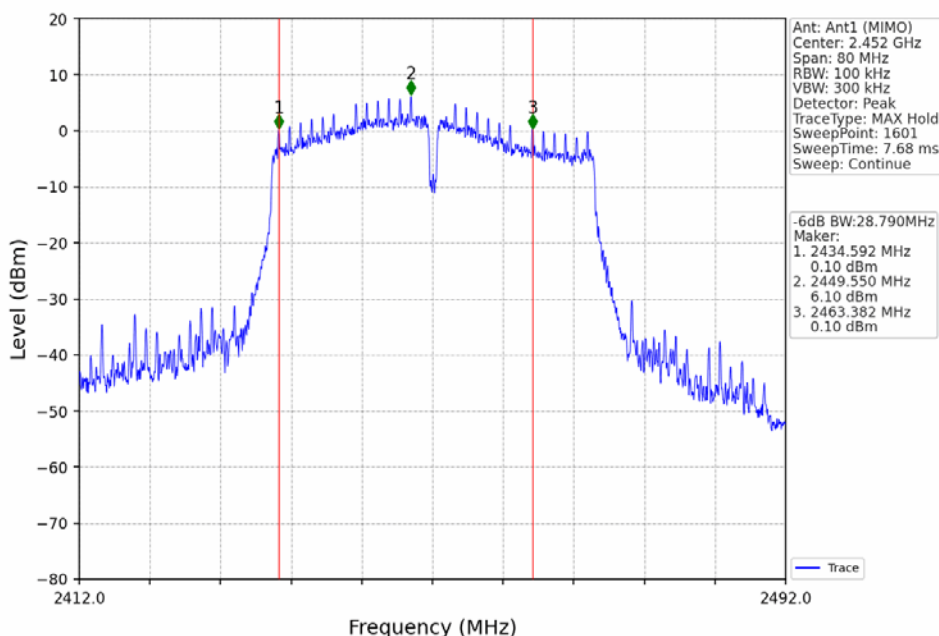
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

| Mode | TX Type | Frequency (MHz) | Power Setting | Maximum Average Conducted Output Power (dBm) | | | | Verdict |
|----------------|---------|-----------------|---------------|--|-------|-------|---------|---------|
| | | | | ANT1 | ANT2 | MIMO | Limit | |
| 802.11b | SISO | 2412 | 30 | 21.44 | 22.45 | / | <=30 | Pass |
| | | 2437 | 30 | 20.93 | 22.05 | / | <=30 | Pass |
| | | 2462 | 30 | 20.59 | 21.20 | / | <=30 | Pass |
| 802.11g | SISO | 2412 | 30 | 21.43 | 22.33 | / | <=30 | Pass |
| | | 2437 | 30 | 21.02 | 22.24 | / | <=30 | Pass |
| | | 2462 | 30 | 20.95 | 21.48 | / | <=30 | Pass |
| 802.11n (HT20) | MIMO | 2412 | 36 | 18.39 | 19.00 | 21.72 | <=29.79 | Pass |
| | | 2437 | 36 | 17.92 | 19.02 | 21.52 | <=29.79 | Pass |
| | | 2462 | 36 | 17.87 | 18.17 | 21.03 | <=29.79 | Pass |
| 802.11n (HT40) | MIMO | 2422 | 36 | 18.30 | 19.35 | 21.87 | <=29.79 | Pass |
| | | 2437 | 36 | 18.42 | 19.55 | 22.03 | <=29.79 | Pass |
| | | 2452 | 36 | 18.03 | 19.72 | 21.97 | <=29.79 | Pass |

Note: Please refer to section 6.1.2 of this report for antenna gain and directional gain calculation.



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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 | ANT2 | MIMO | Limit | |
| 802.11b | SISO | 2412 | -2.01 | -1.19 | / | <=8 | Pass |
| | | 2437 | -3.04 | -1.79 | / | <=8 | Pass |
| | | 2462 | -2.99 | -0.25 | / | <=8 | Pass |
| 802.11g | SISO | 2412 | -5.50 | -4.03 | / | <=8 | Pass |
| | | 2437 | -6.04 | -5.23 | / | <=8 | Pass |
| | | 2462 | -5.96 | -6.57 | / | <=8 | Pass |
| 802.11n (HT20) | MIMO | 2412 | -7.92 | -6.82 | -4.55 | <=7.79 | Pass |
| | | 2437 | -7.32 | -6.64 | -4.83 | <=7.79 | Pass |
| | | 2462 | -7.44 | -7.29 | -4.35 | <=7.79 | Pass |
| 802.11n (HT40) | MIMO | 2422 | -10.61 | -9.42 | -7.30 | <=7.79 | Pass |
| | | 2437 | -10.70 | -9.85 | -8.20 | <=7.79 | Pass |
| | | 2452 | -10.53 | -8.57 | -6.98 | <=7.79 | Pass |

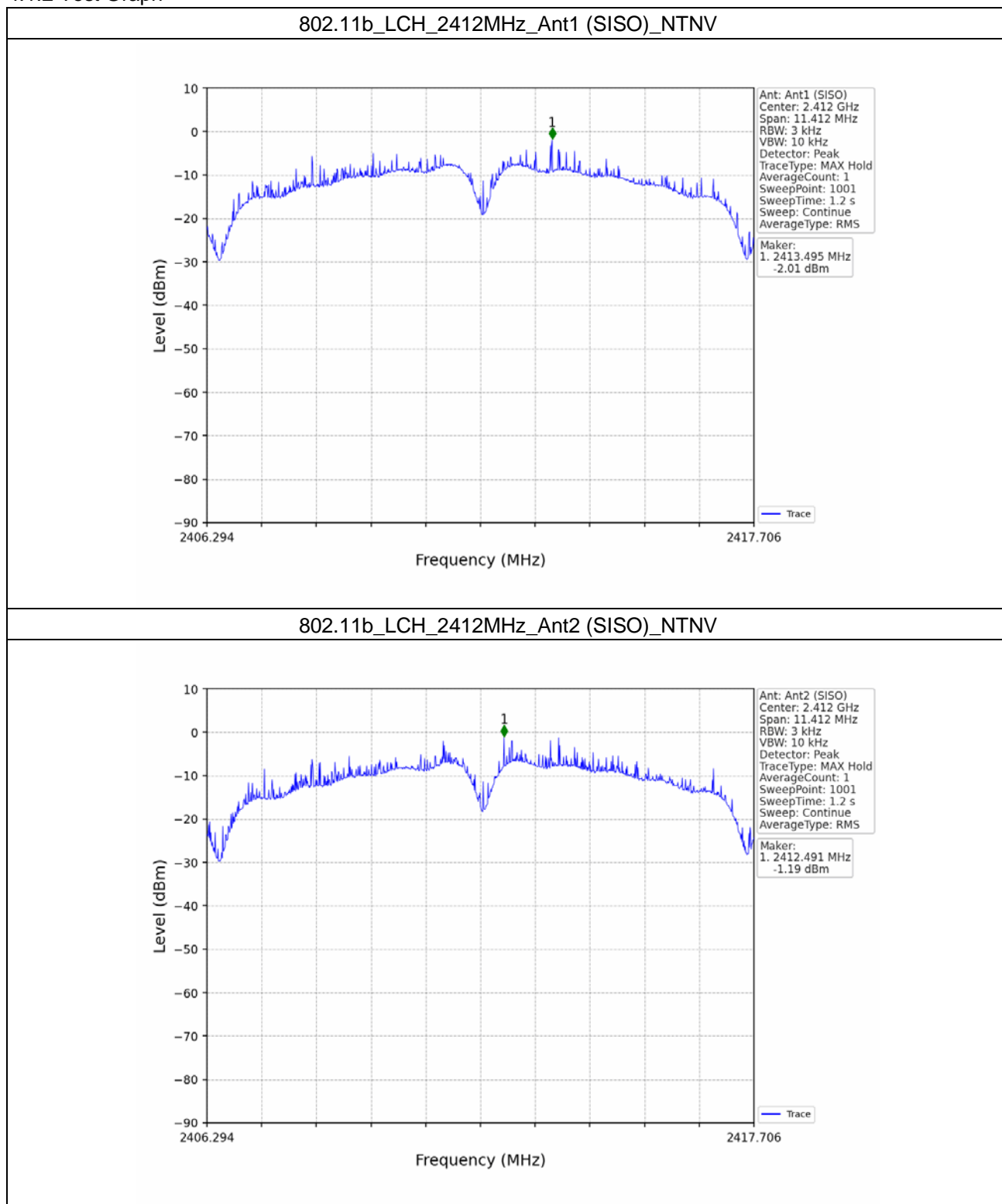
Note: Please refer to section 6.1.2 of this report for antenna gain and directional gain calculation.



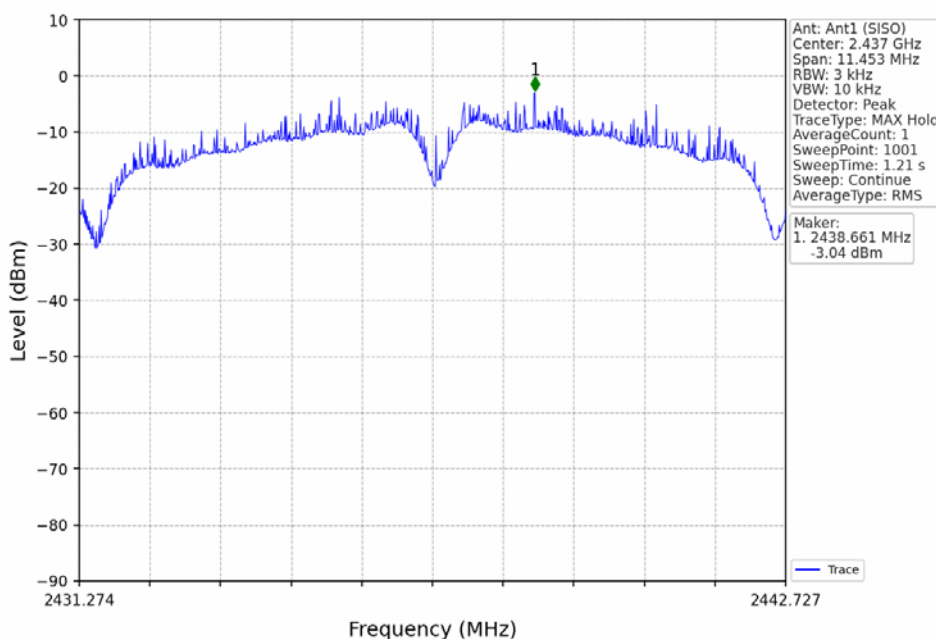
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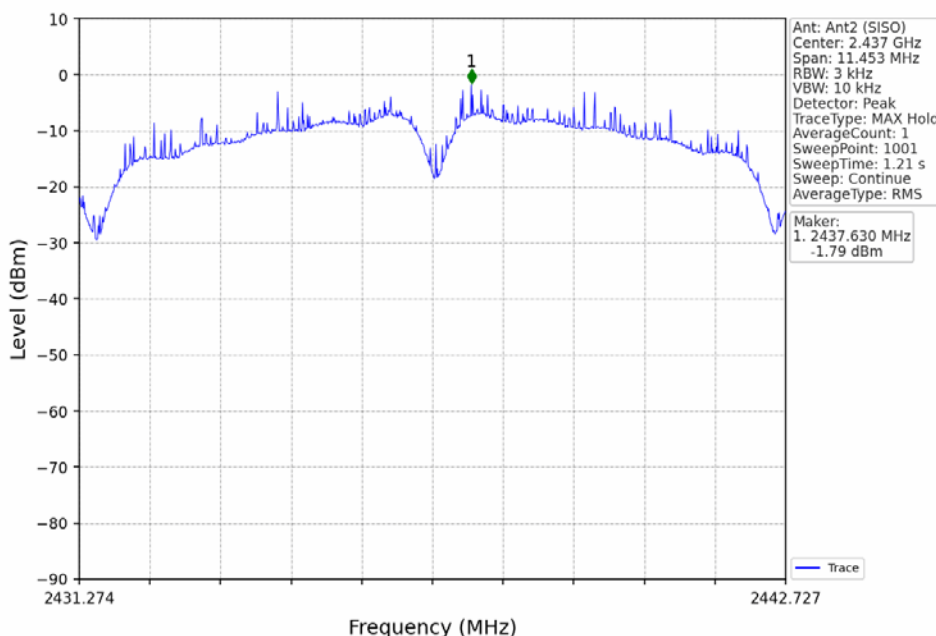
4.1.2 Test Graph



802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



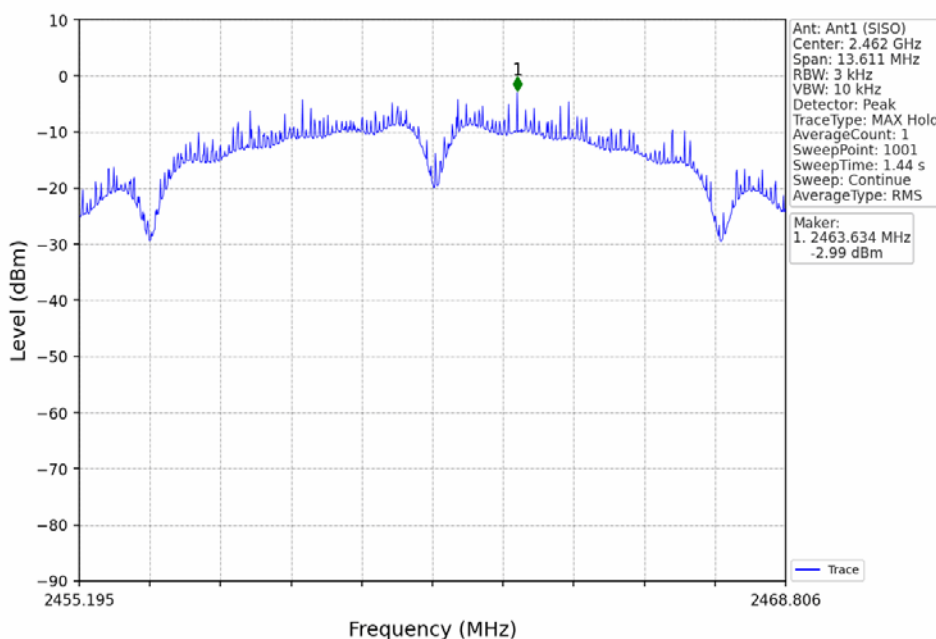
802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



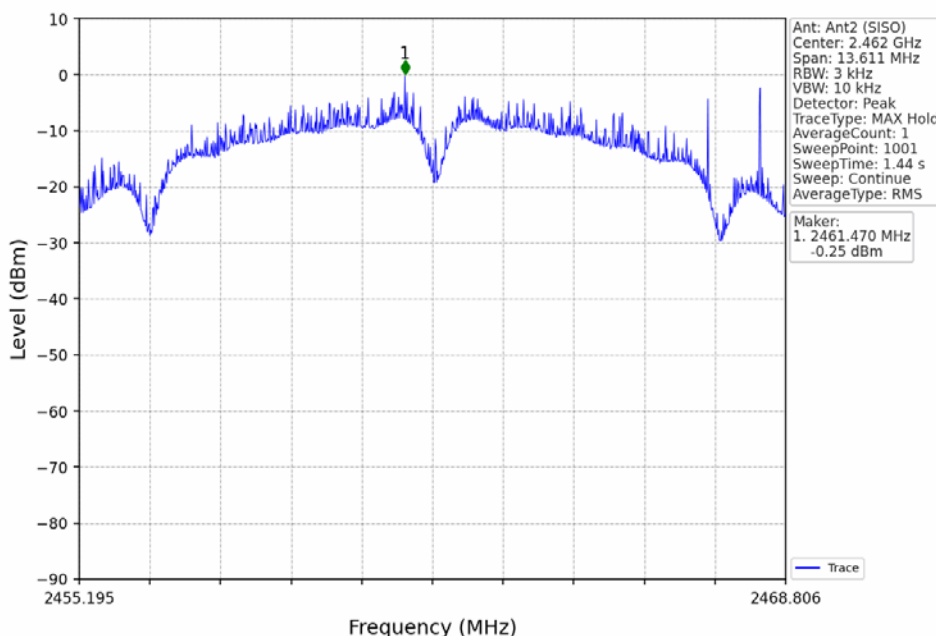
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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



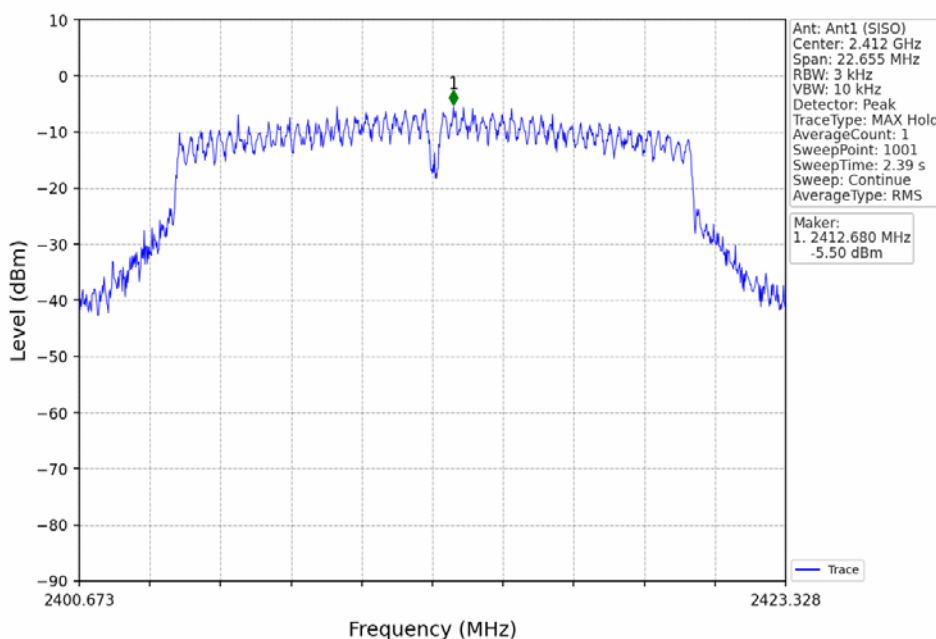
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



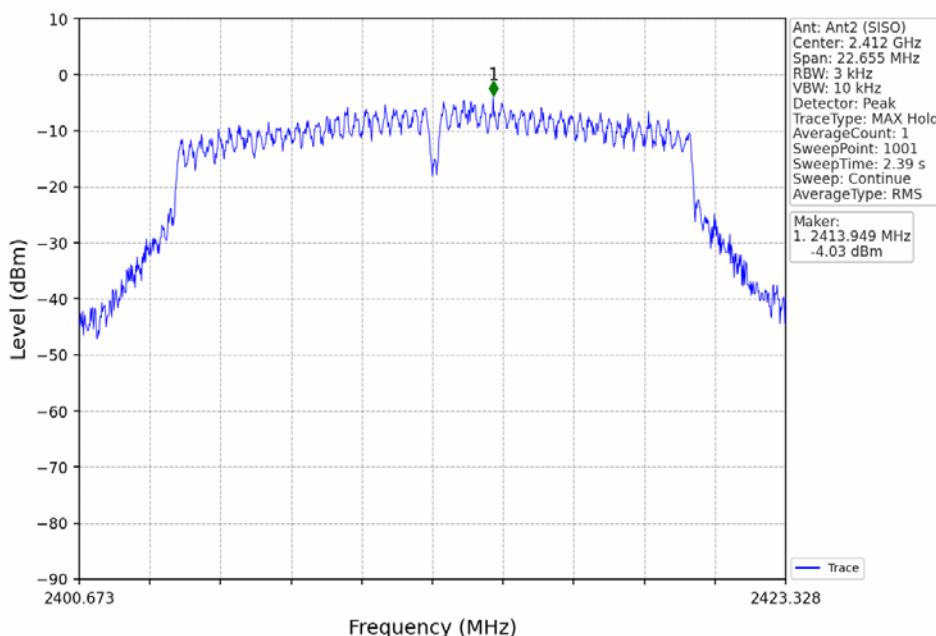
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802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



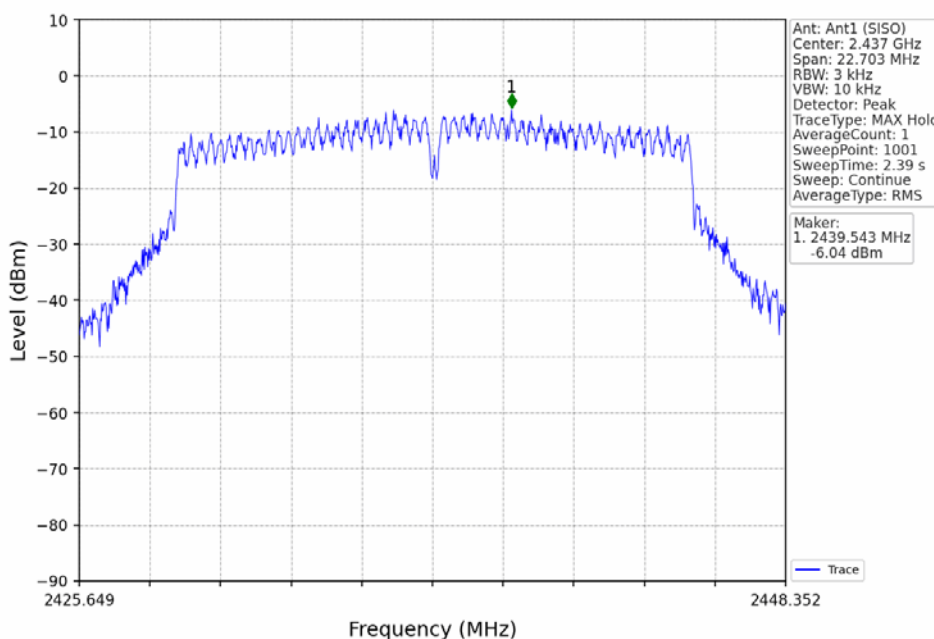
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



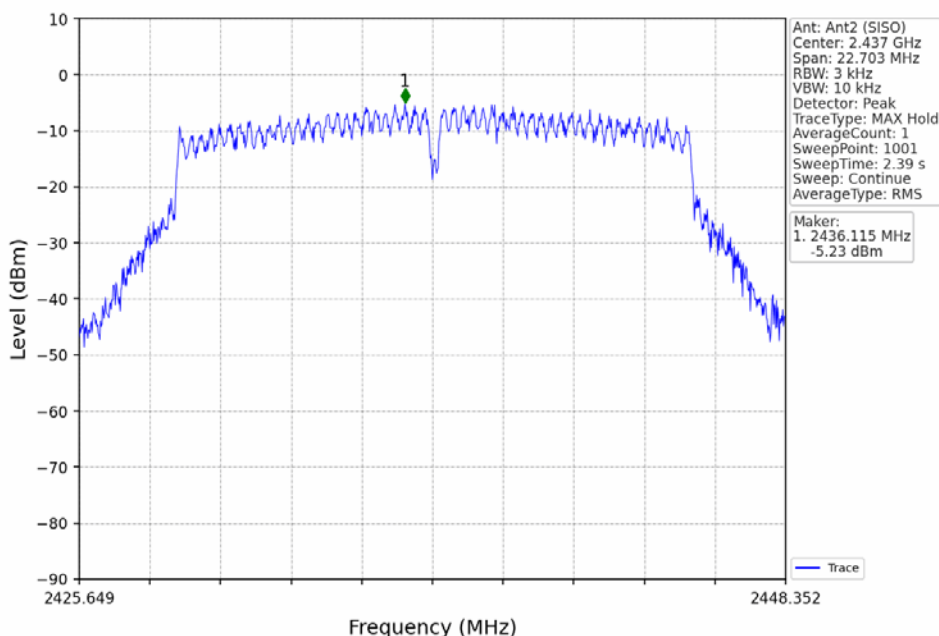
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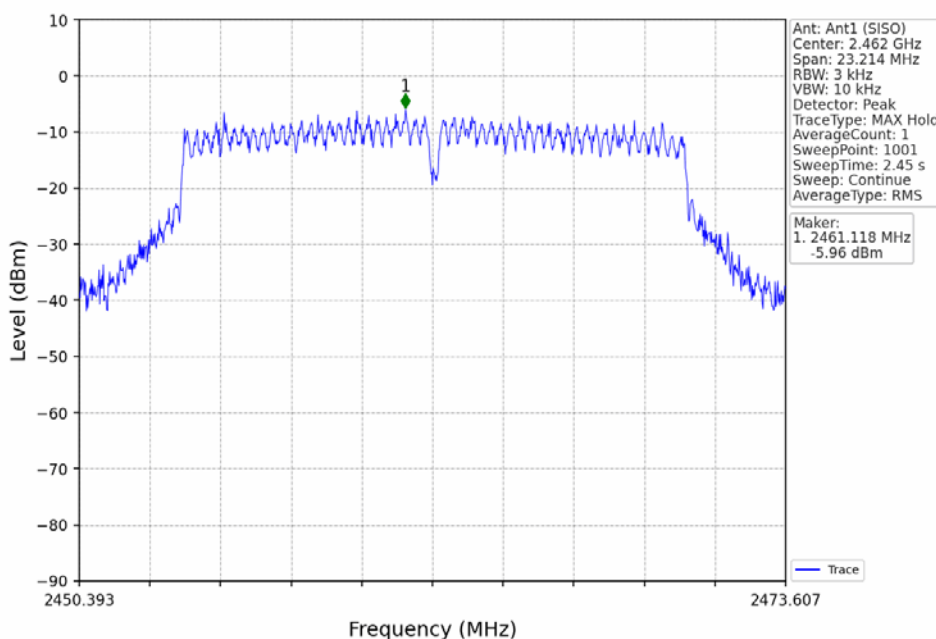
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



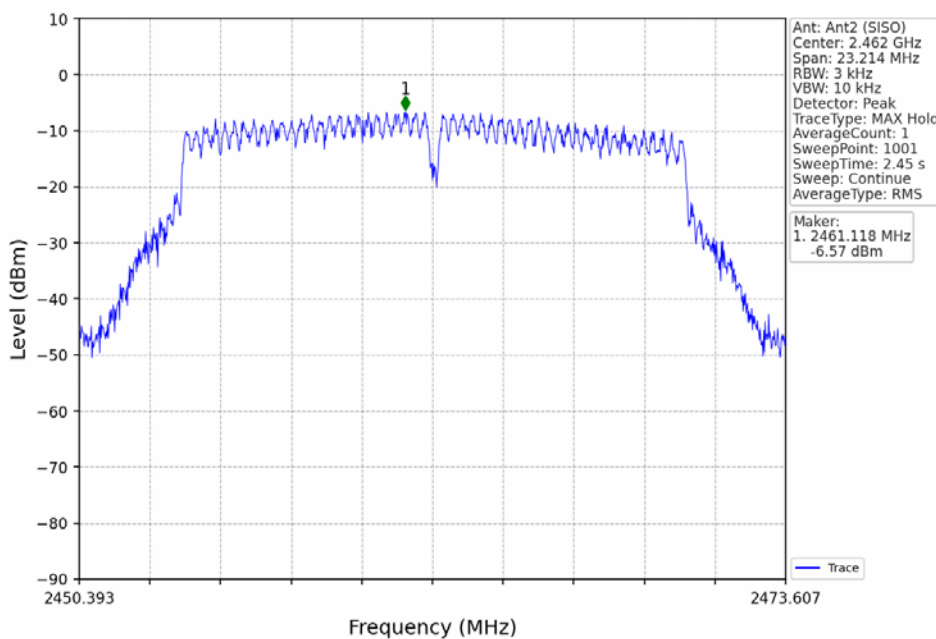
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802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



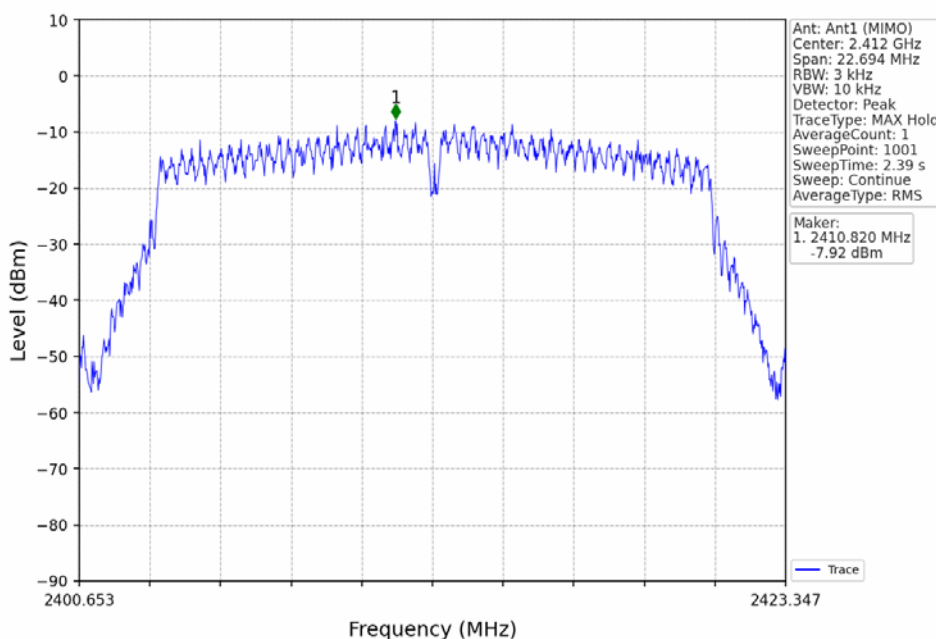
802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



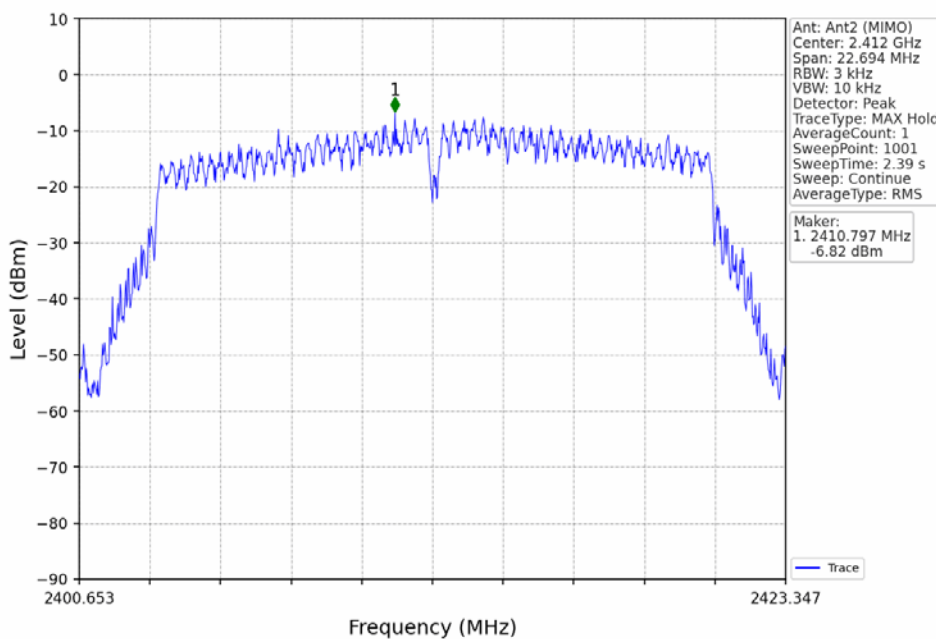
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802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



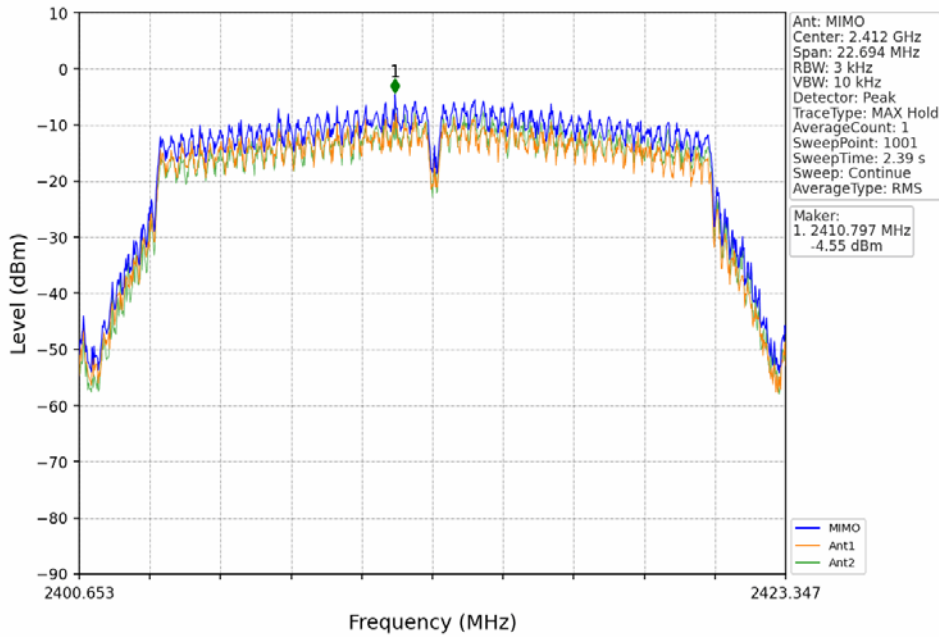
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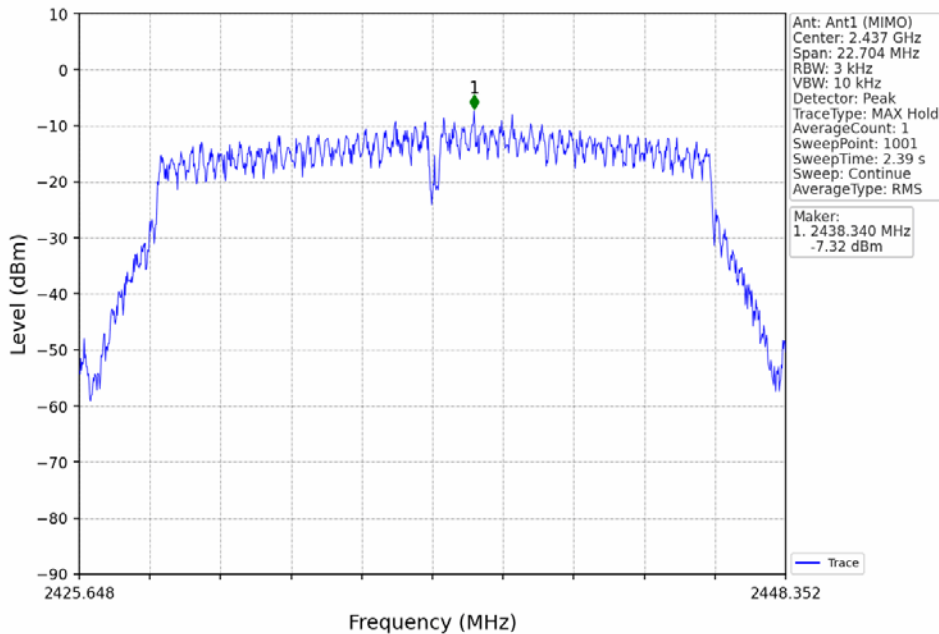
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802.11n(HT20)_LCH_2412MHz_MIMO_NTNV



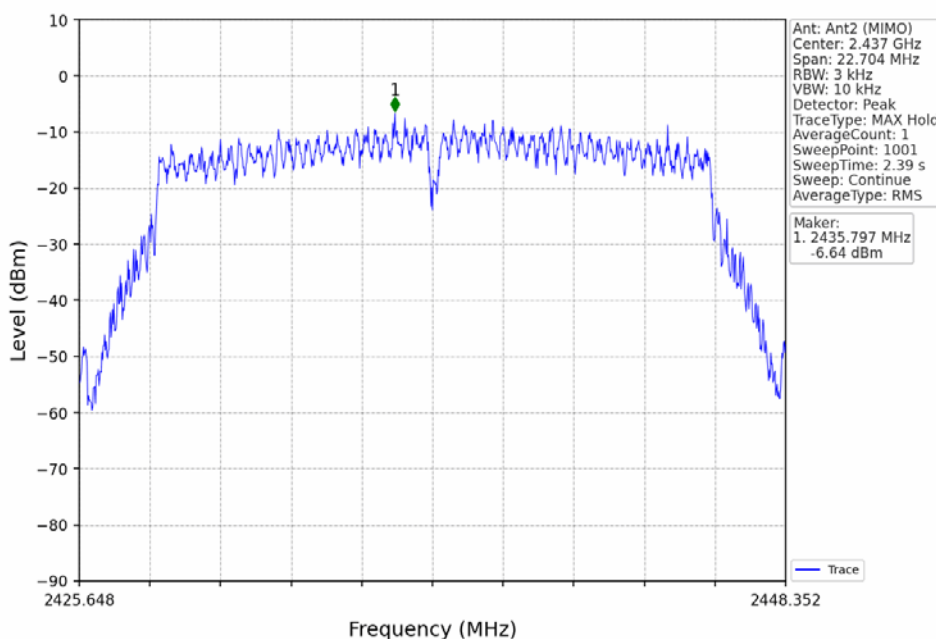
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



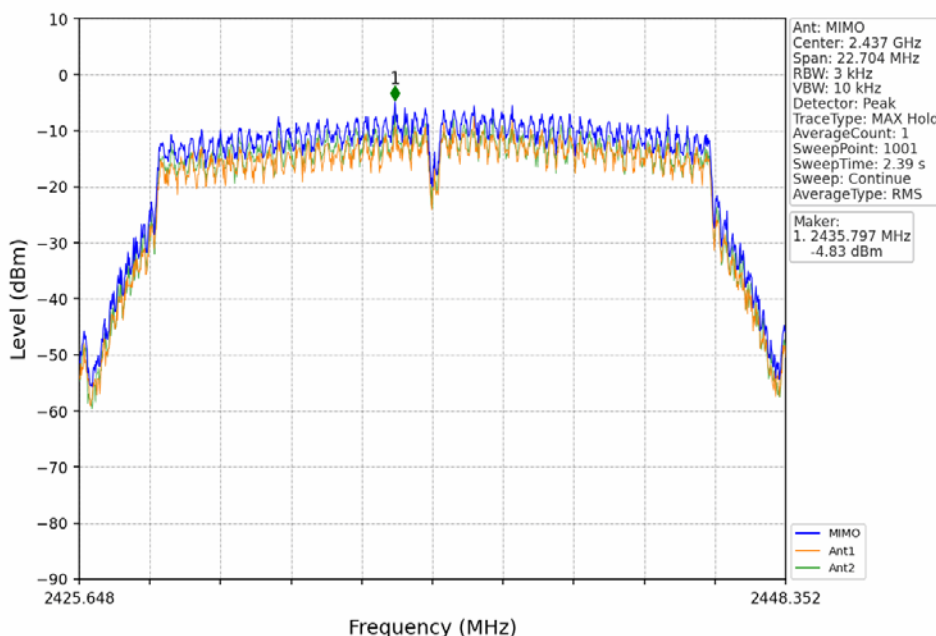
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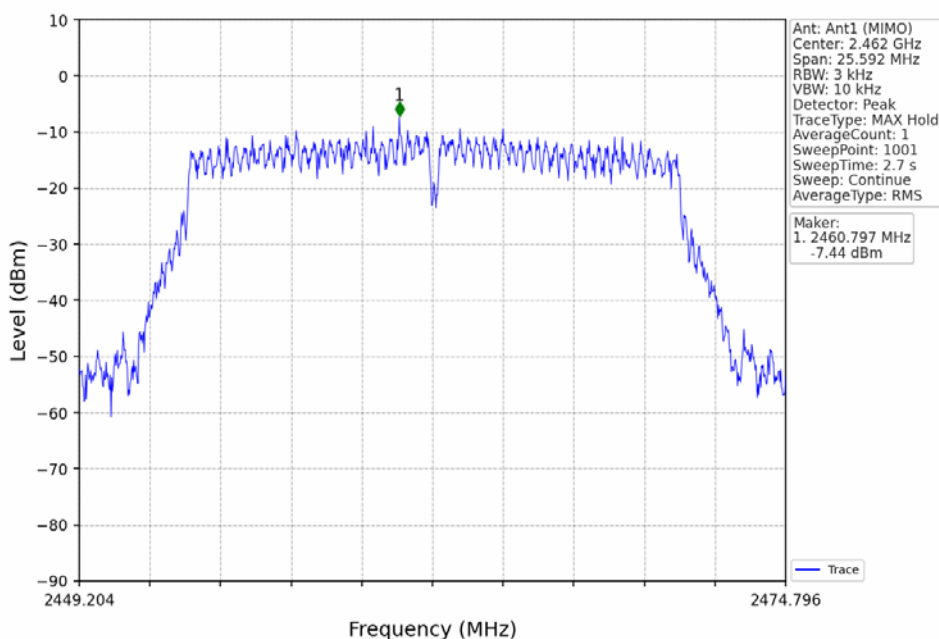
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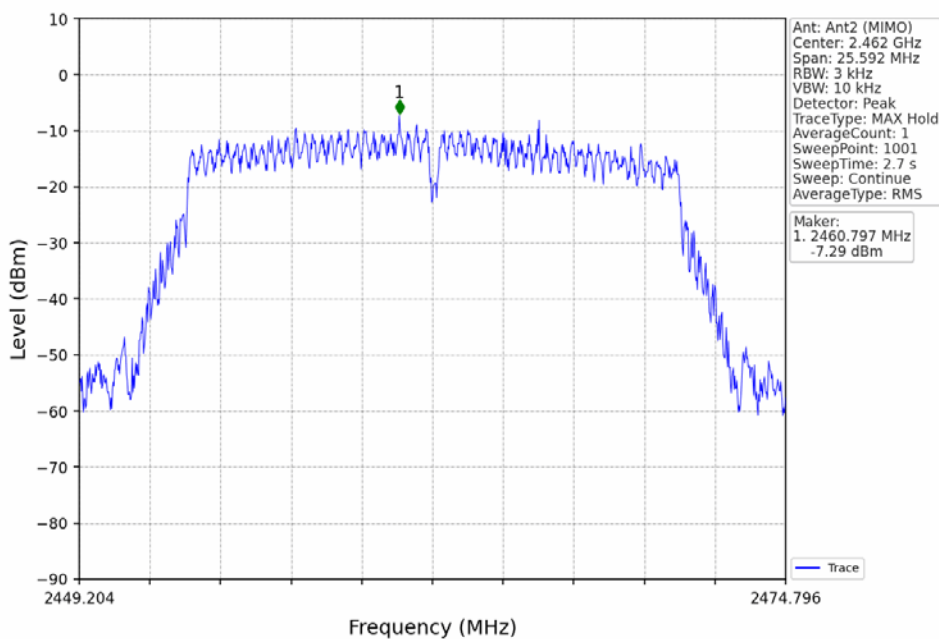
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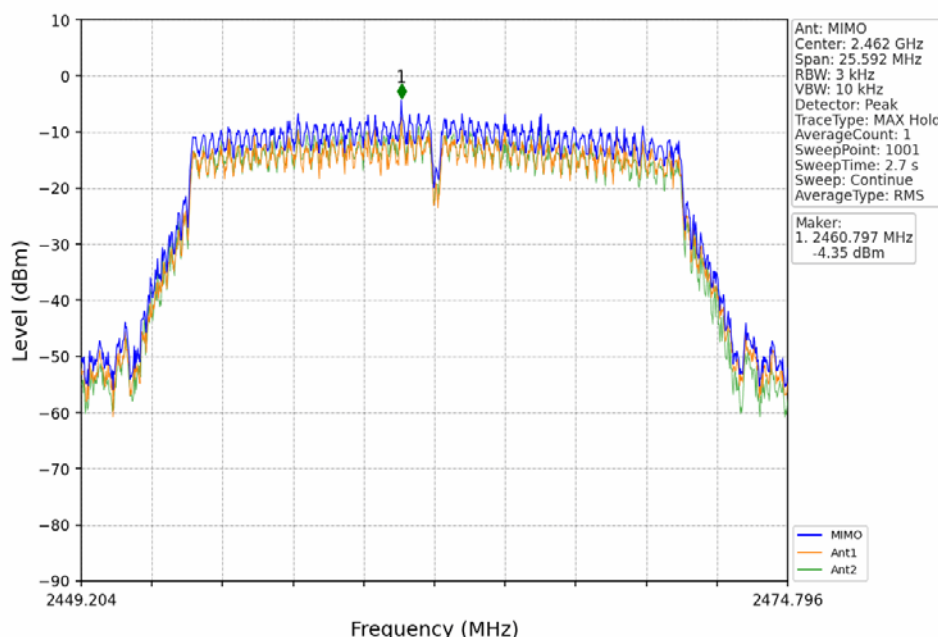
802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



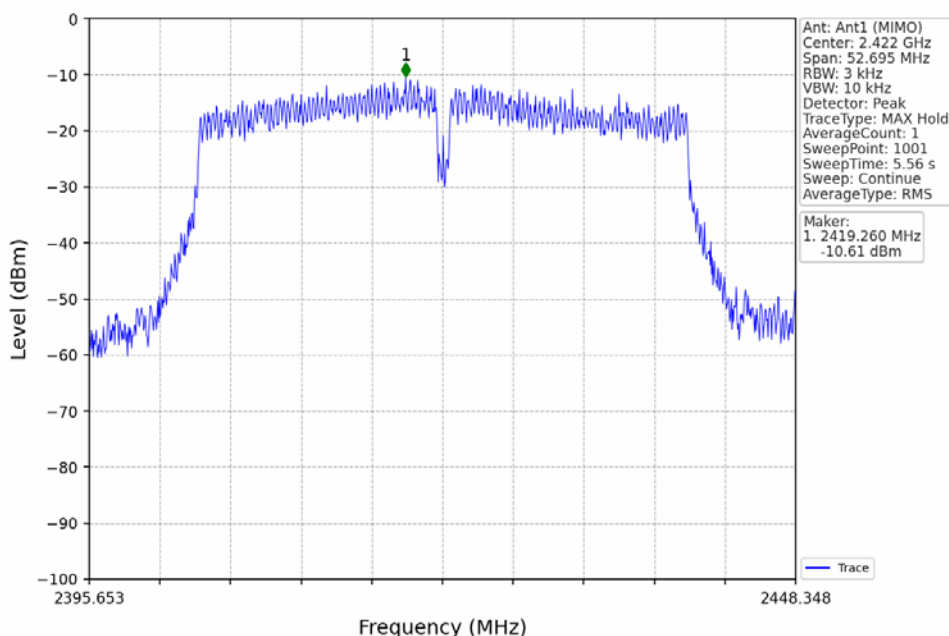
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802.11n(HT20)_HCH_2462MHz_MIMO_NTNV



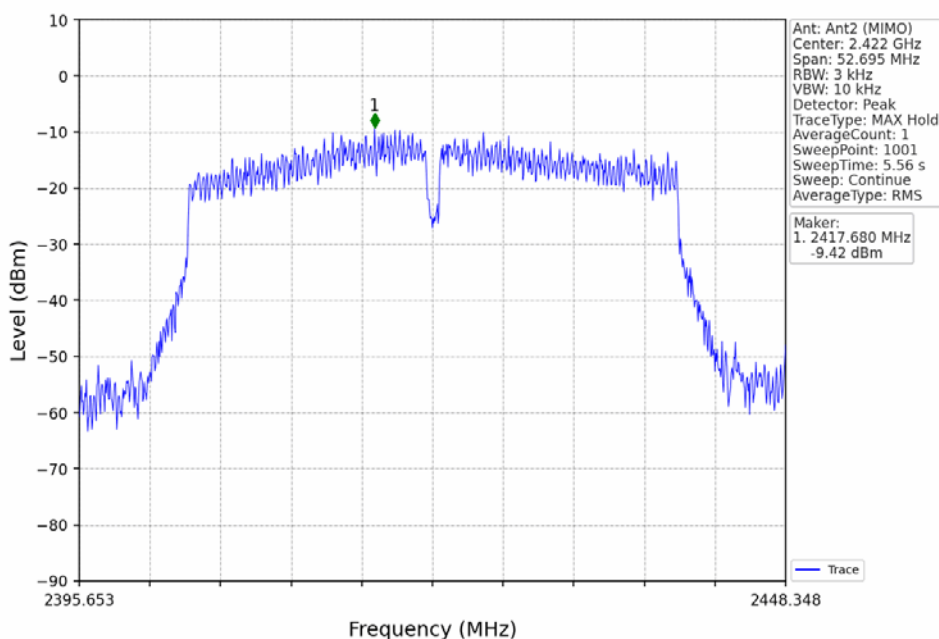
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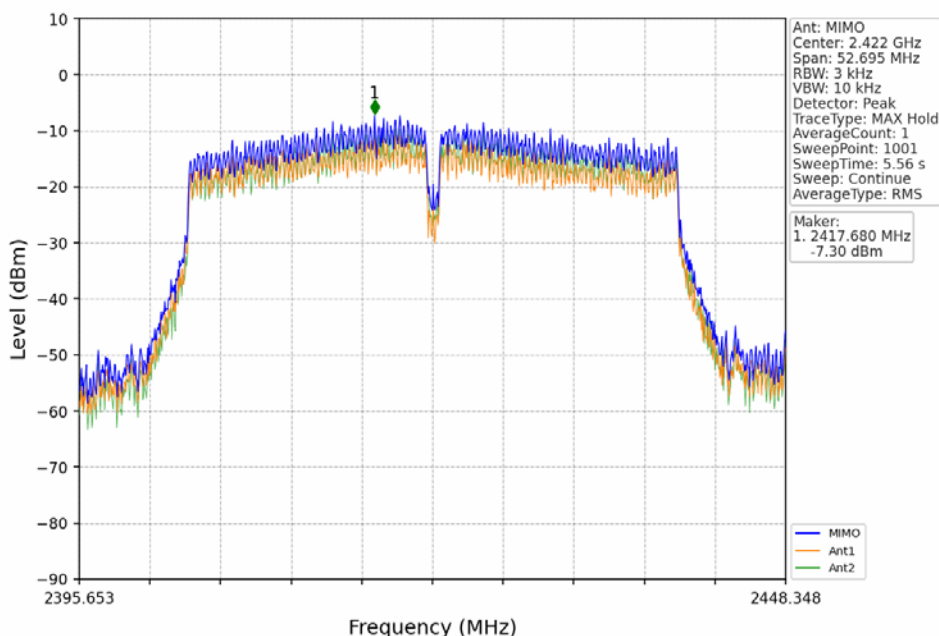
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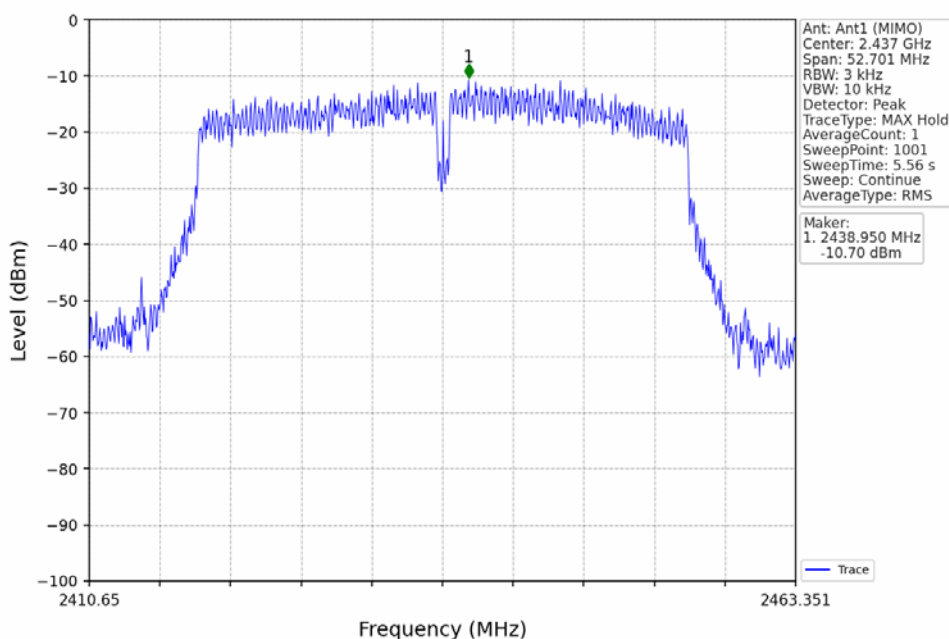
802.11n(HT40)_LCH_2422MHz_Ant2 (MIMO)_NTNV



802.11n(HT40)_LCH_2422MHz_MIMO_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV

