

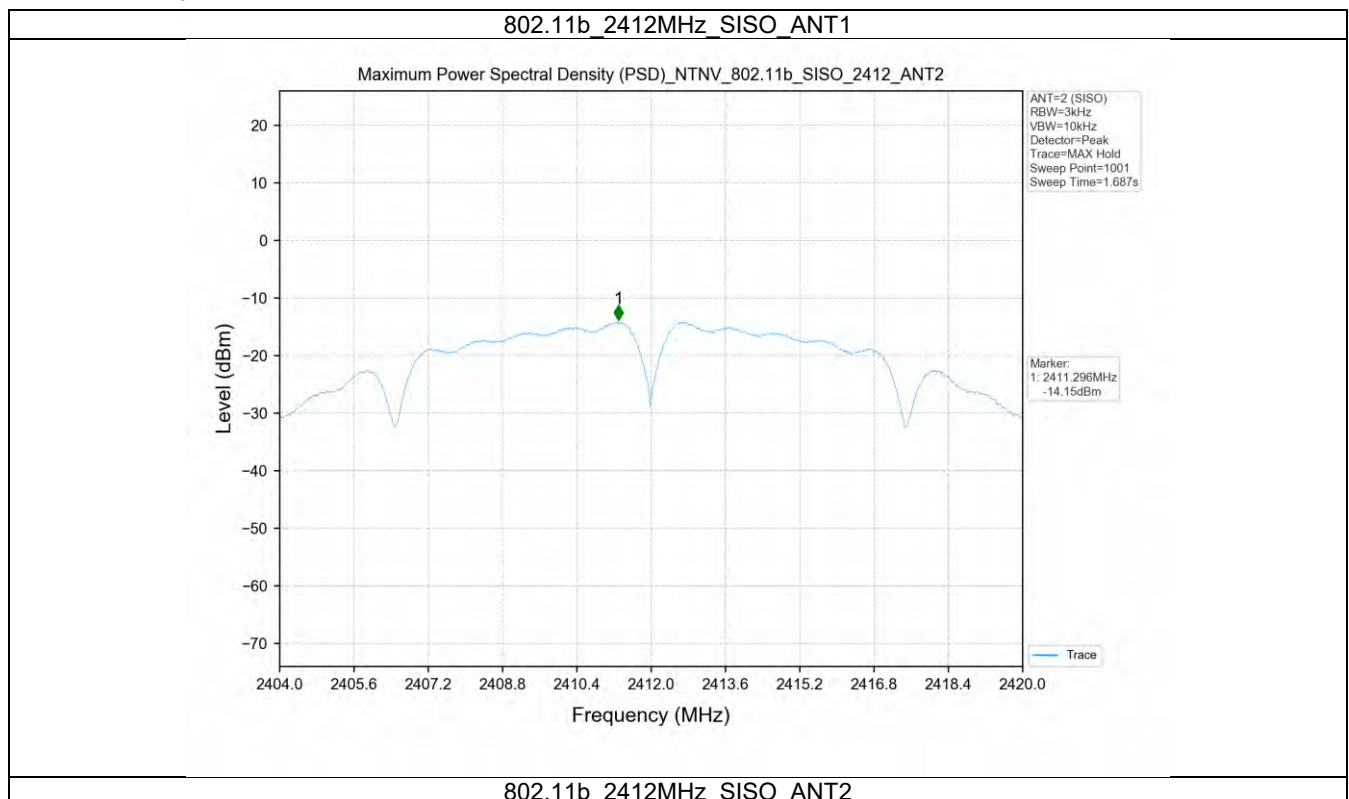


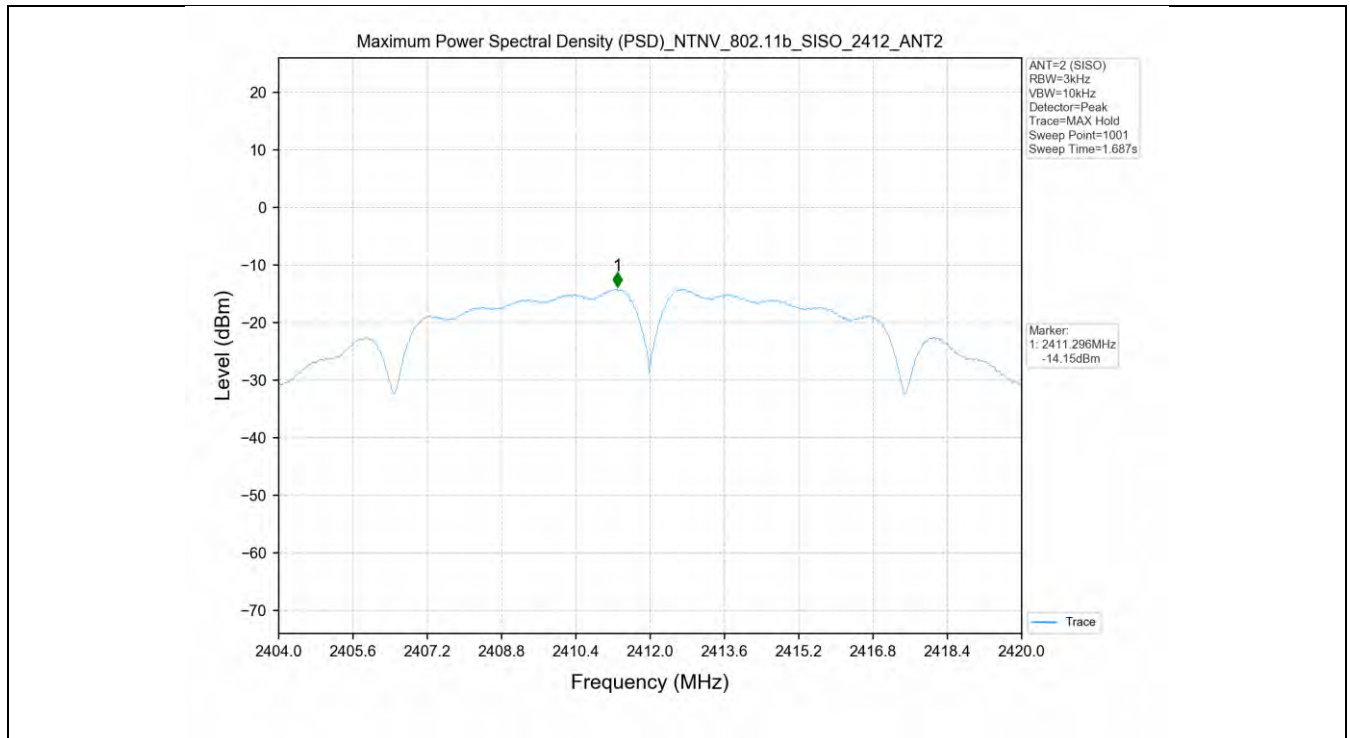
## 4. Maximum Power Spectral Density (PSD)

### 4.1 Test Result

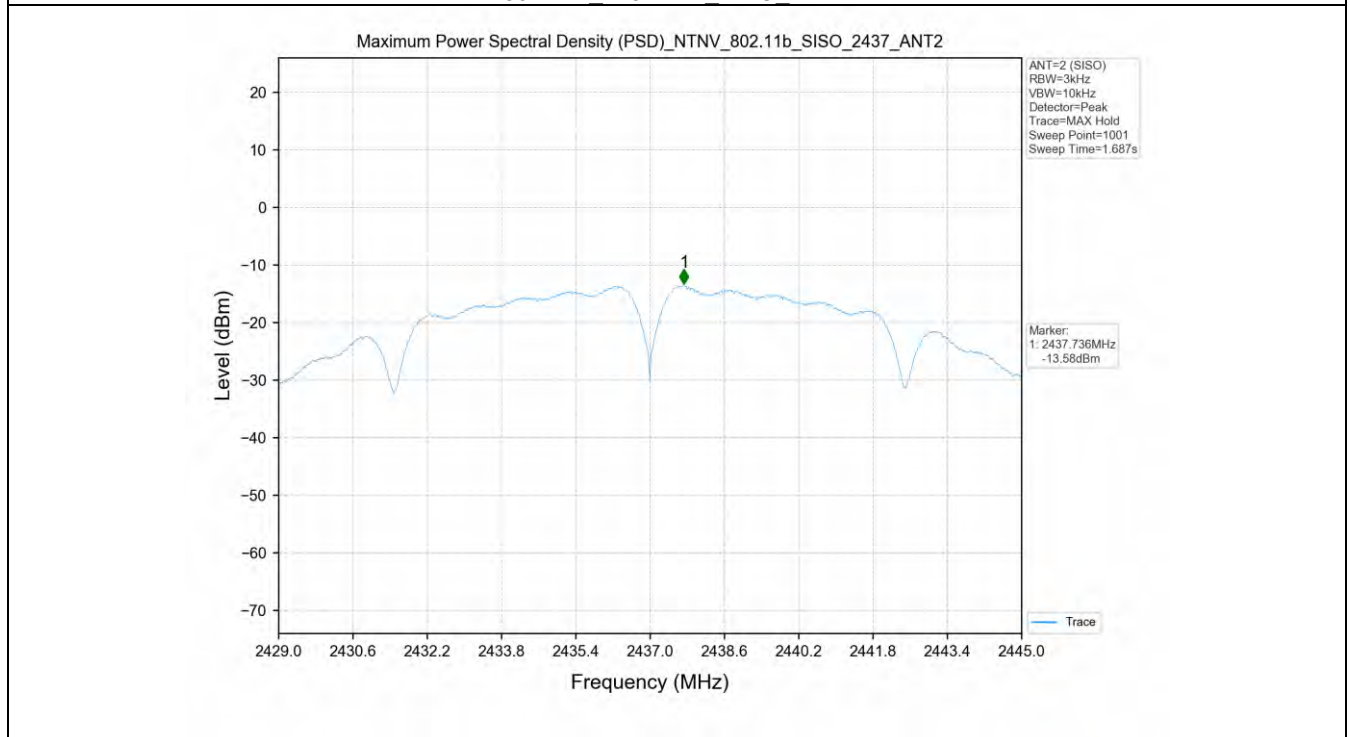
| Test Mode     | Frequency (MHz) | Tx Type | Maximum Power Spectral Density (dBm/3KHz) |        |        | Limits (dBm/3kHz) | Verdict |
|---------------|-----------------|---------|-------------------------------------------|--------|--------|-------------------|---------|
|               |                 |         | Ant 1                                     | Ant 2  | Total  |                   |         |
| 802.11b       | 2412            | SISO    | -12.15                                    | -14.15 | /      | ≤8                | PASS    |
|               | 2437            | SISO    | -11.90                                    | -13.58 | /      | ≤8                | PASS    |
|               | 2462            | SISO    | -12.01                                    | -12.63 | /      | ≤8                | PASS    |
| 802.11g       | 2412            | SISO    | -11.47                                    | -13.11 | /      | ≤8                | PASS    |
|               | 2437            | SISO    | -11.60                                    | -12.91 | /      | ≤8                | PASS    |
|               | 2462            | SISO    | -11.48                                    | -12.19 | /      | ≤8                | PASS    |
| 802.11n(HT20) | 2412            | SISO    | -11.40                                    | -12.68 | /      | ≤8                | PASS    |
|               |                 | MIMO    | -14.64                                    | -14.99 | -11.80 | ≤8                | PASS    |
|               | 2437            | SISO    | -11.63                                    | -12.50 | /      | ≤8                | PASS    |
|               |                 | MIMO    | -12.25                                    | -13.34 | -9.75  | ≤8                | PASS    |
|               | 2462            | SISO    | -11.00                                    | -11.48 | /      | ≤8                | PASS    |
|               |                 | MIMO    | -13.98                                    | -14.92 | -11.41 | ≤8                | PASS    |
| 802.11n(HT40) | 2422            | SISO    | -12.37                                    | -14.47 | /      | ≤8                | PASS    |
|               |                 | MIMO    | -14.35                                    | -16.30 | -12.21 | ≤8                | PASS    |
|               | 2437            | SISO    | -12.73                                    | -14.83 | /      | ≤8                | PASS    |
|               |                 | MIMO    | -14.05                                    | -16.46 | -12.83 | ≤8                | PASS    |
|               | 2452            | SISO    | -14.52                                    | -14.80 | /      | ≤8                | PASS    |
|               |                 | MIMO    | -13.62                                    | -16.45 | -12.10 | ≤8                | PASS    |

### 4.2 Test Graph

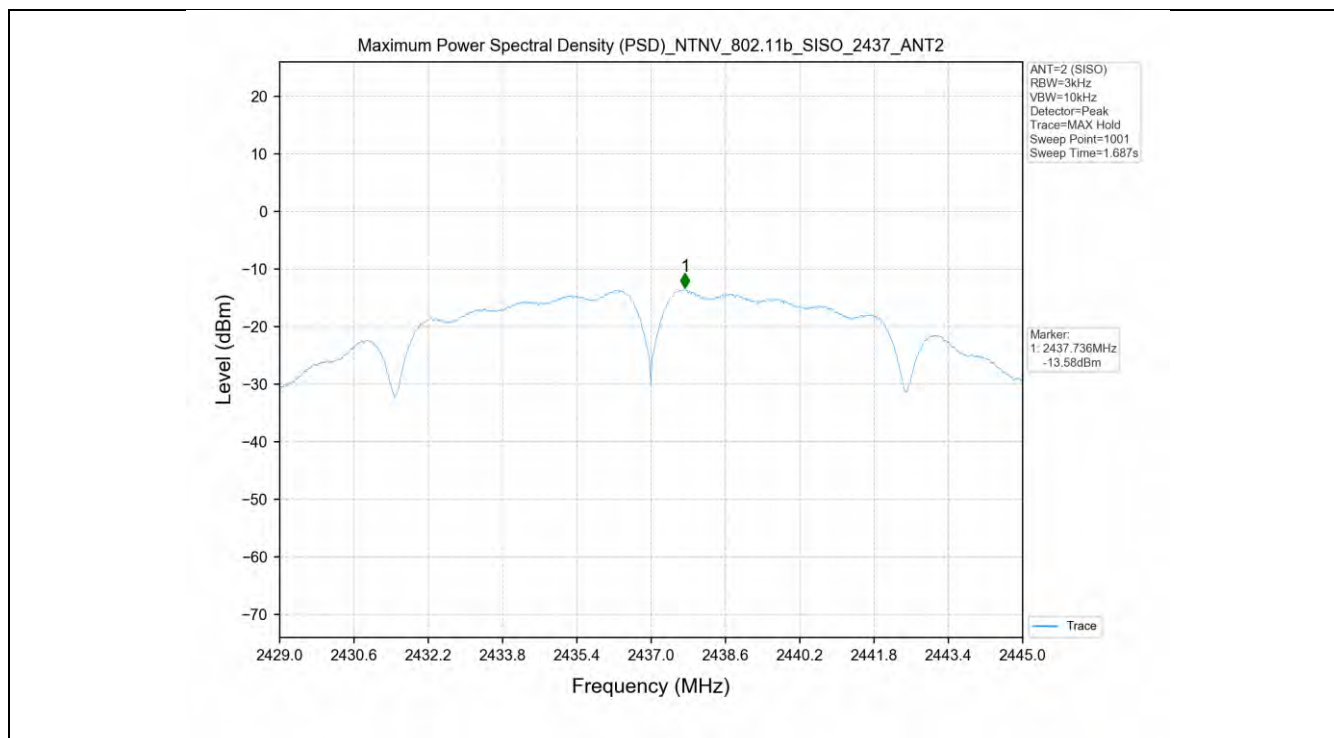




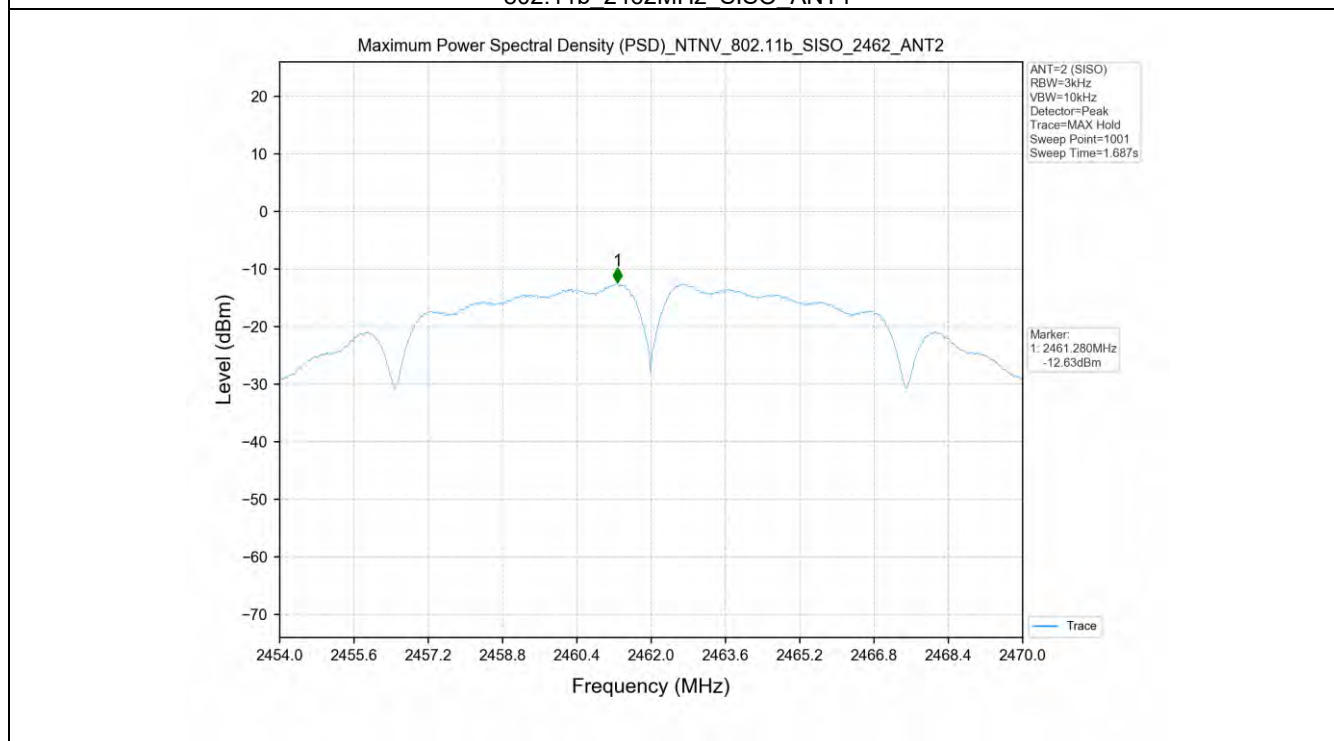
802.11b\_2437MHz\_SISO\_ANT1



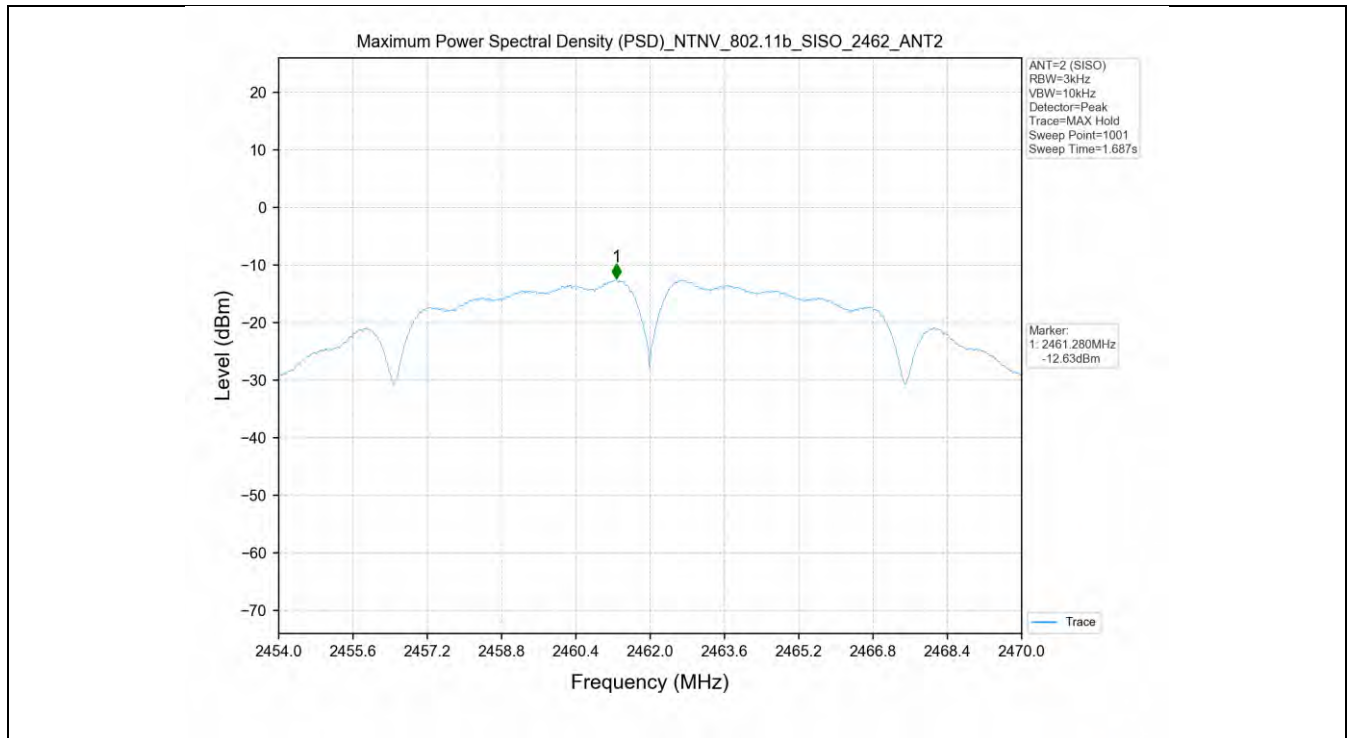
802.11b\_2437MHz\_SISO\_ANT2



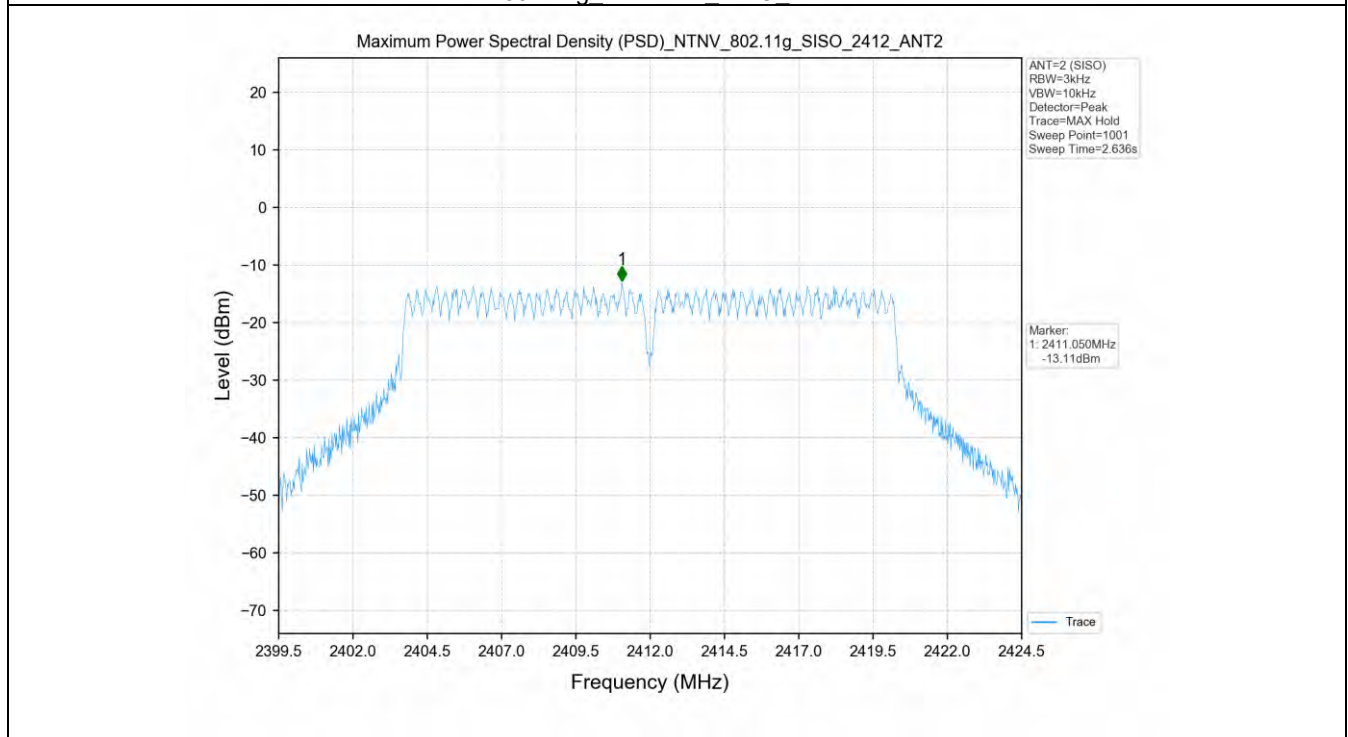
802.11b\_2462MHz\_SISO\_ANT1



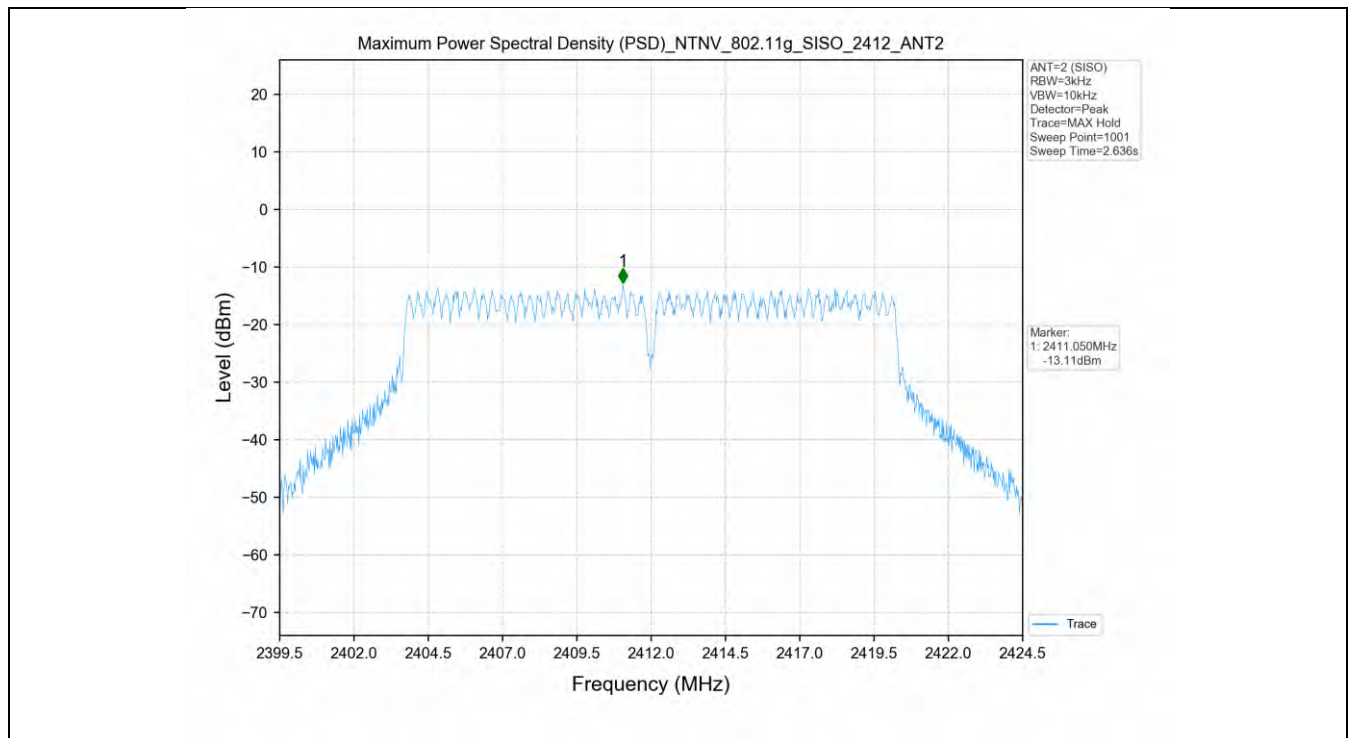
802.11b\_2462MHz\_SISO\_ANT2



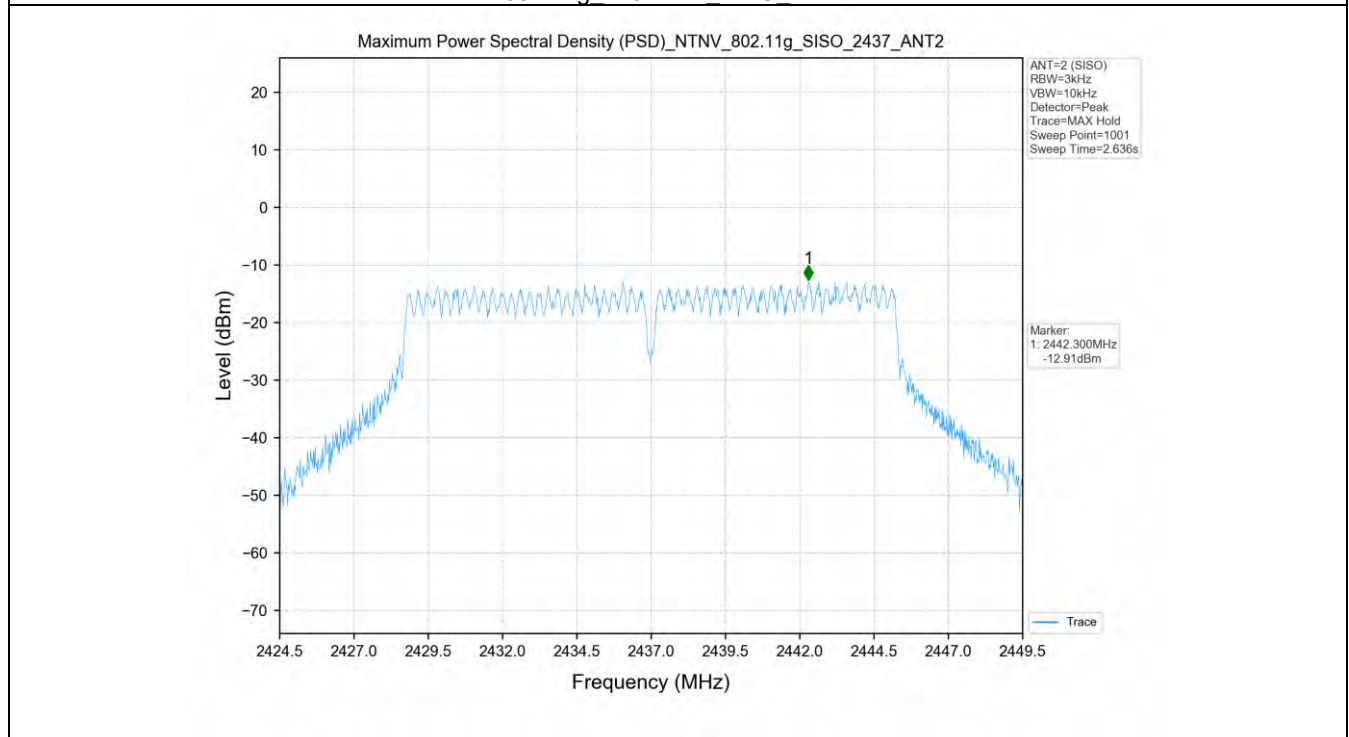
802.11g\_2412MHz\_SISO\_ANT1



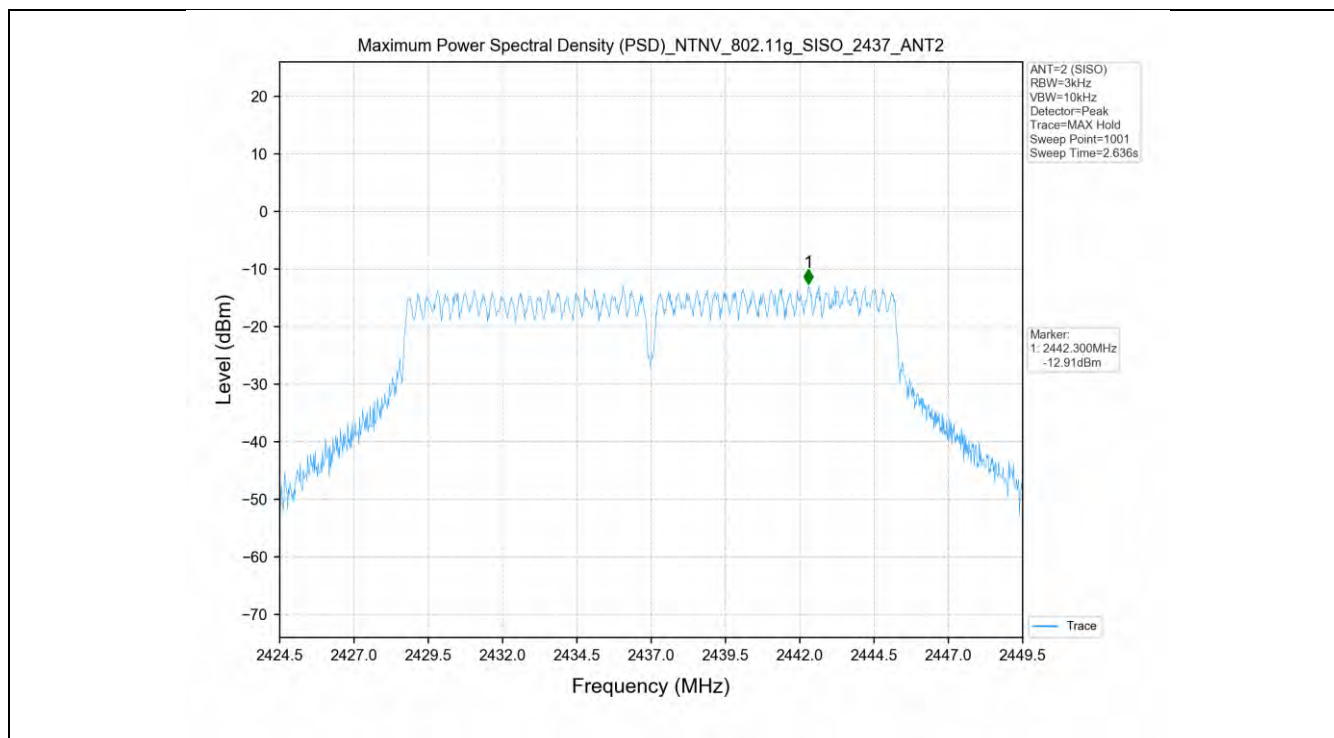
802.11g\_2412MHz\_SISO\_ANT2



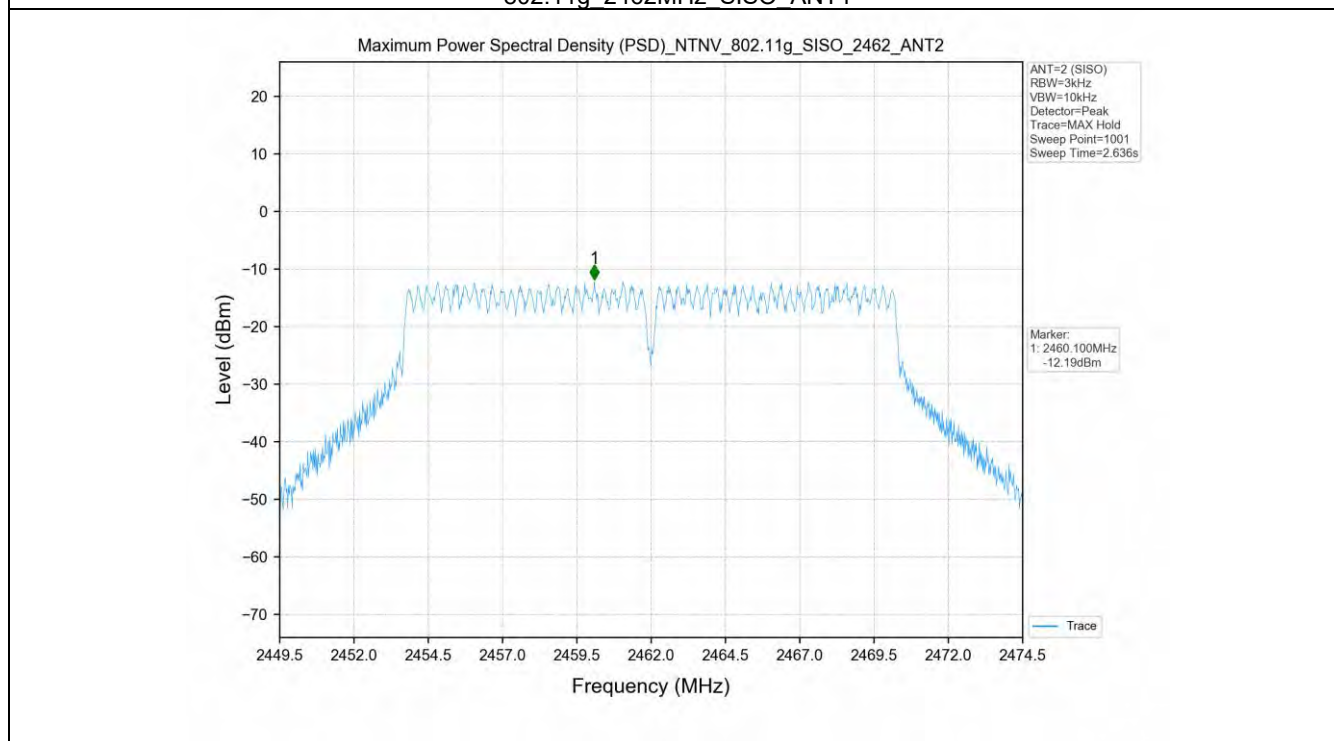
802.11g\_2437MHz\_SISO\_ANT1



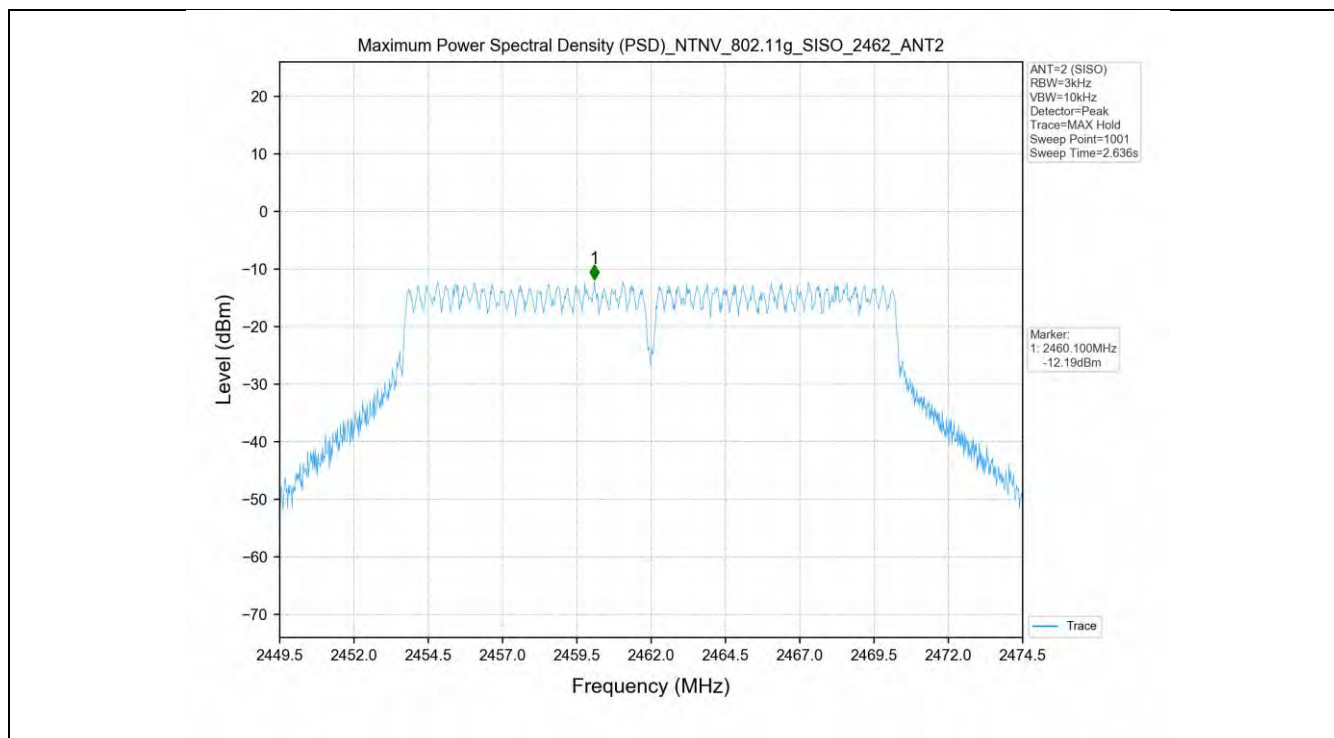
802.11g\_2437MHz\_SISO\_ANT2



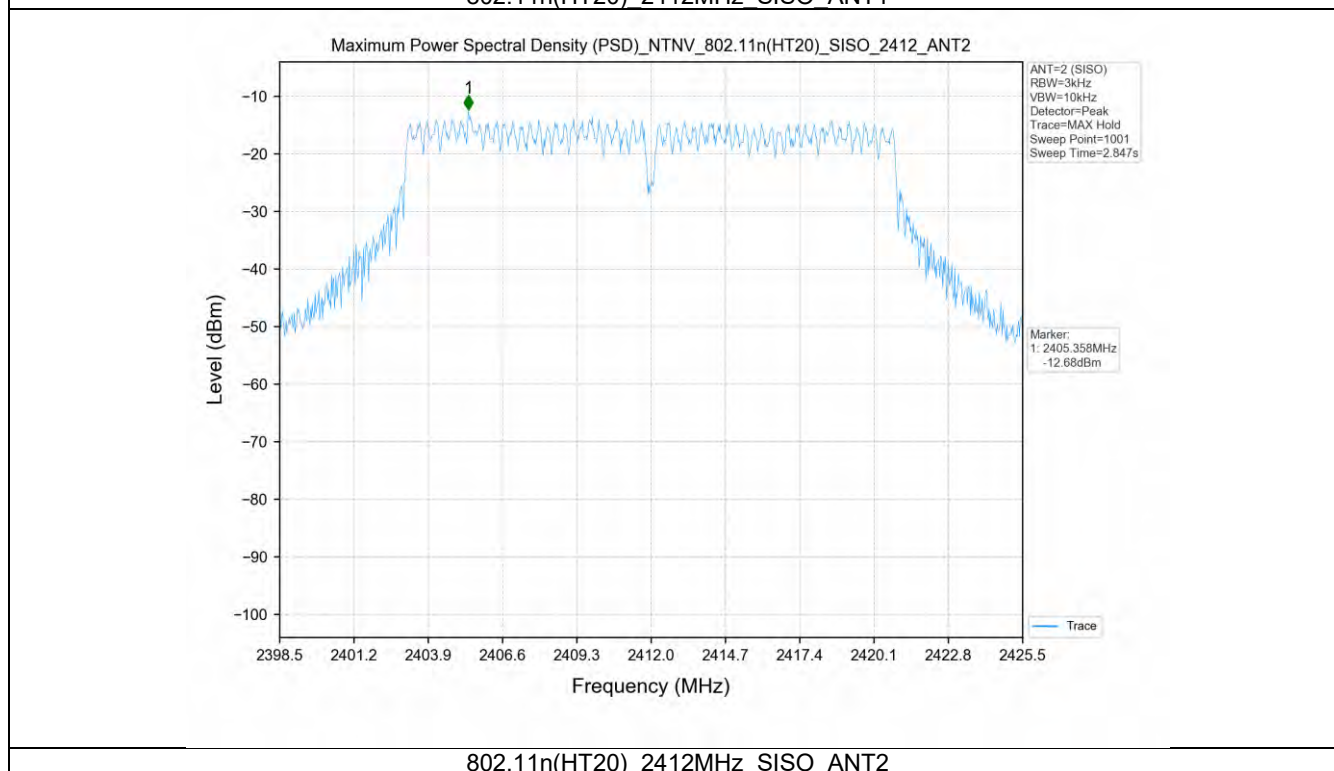
802.11g\_2462MHz\_SISO\_ANT1



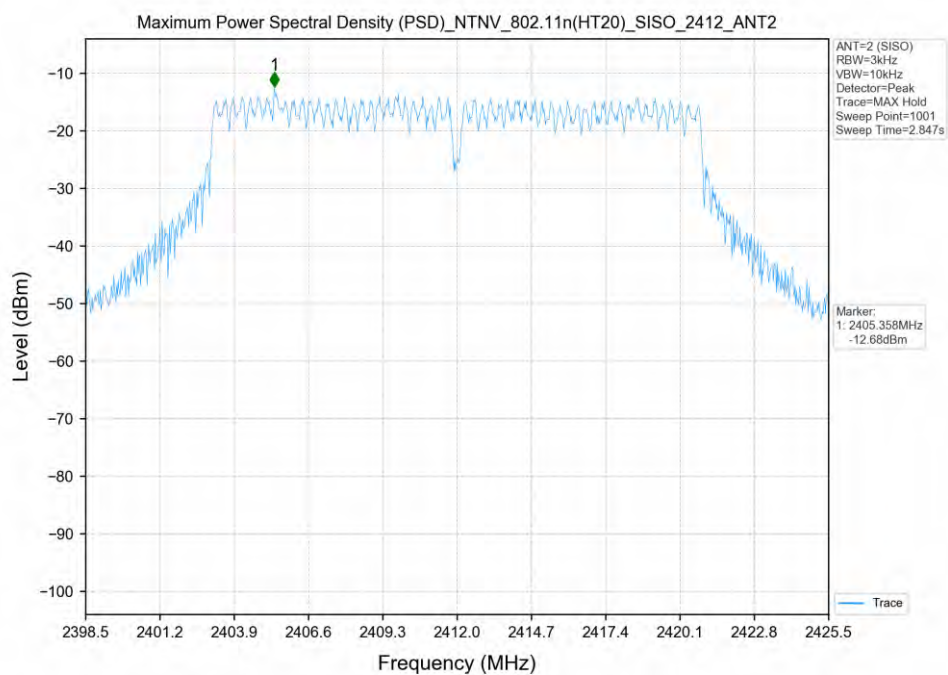
802.11g\_2462MHz\_SISO\_ANT2



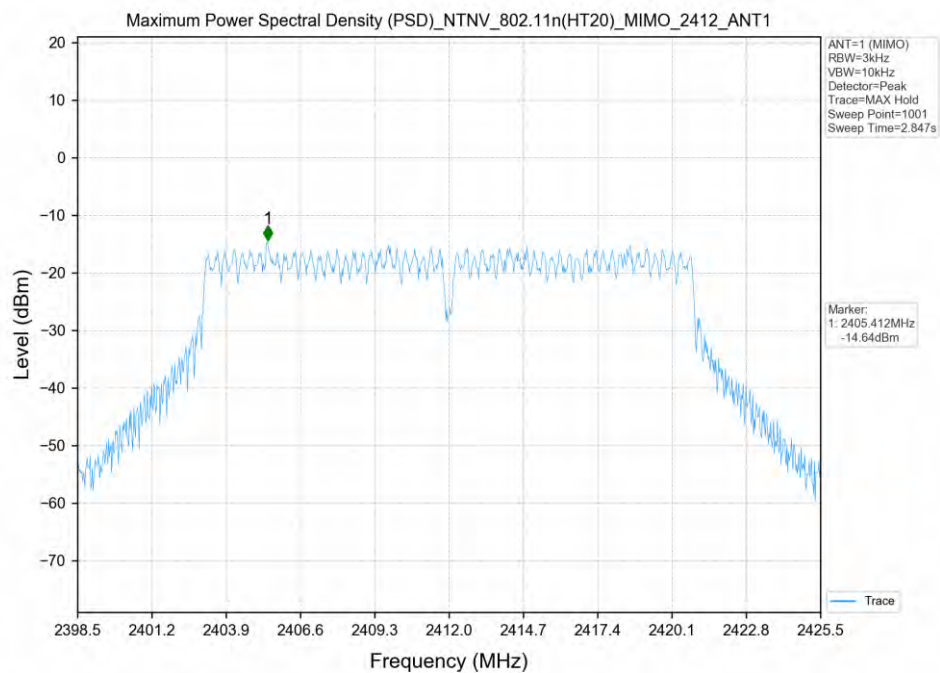
802.11n(HT20)\_2412MHz\_SISO\_ANT1



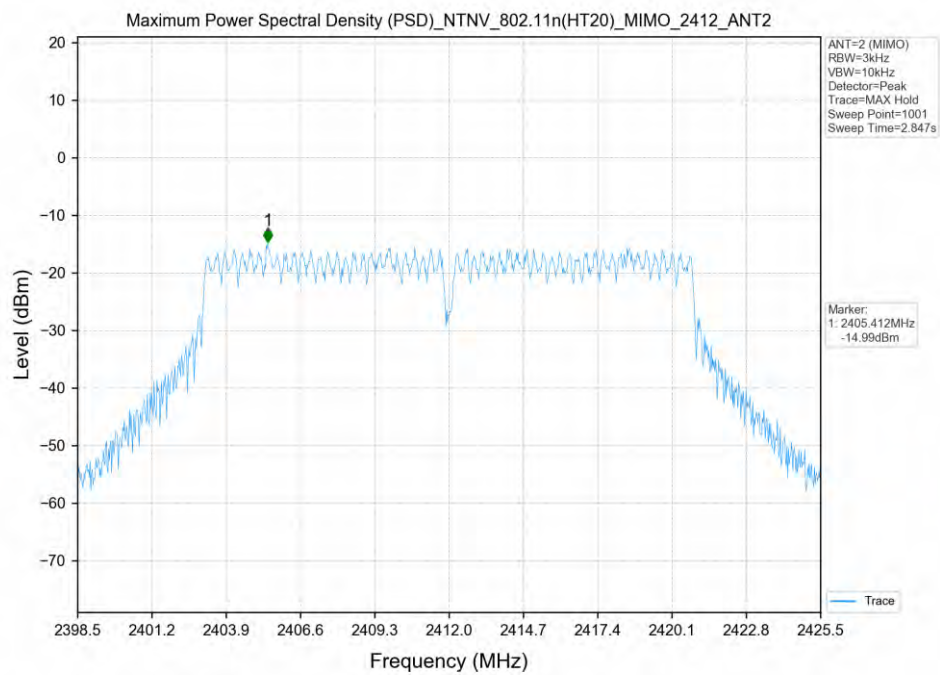
802.11n(HT20)\_2412MHz\_SISO\_ANT2



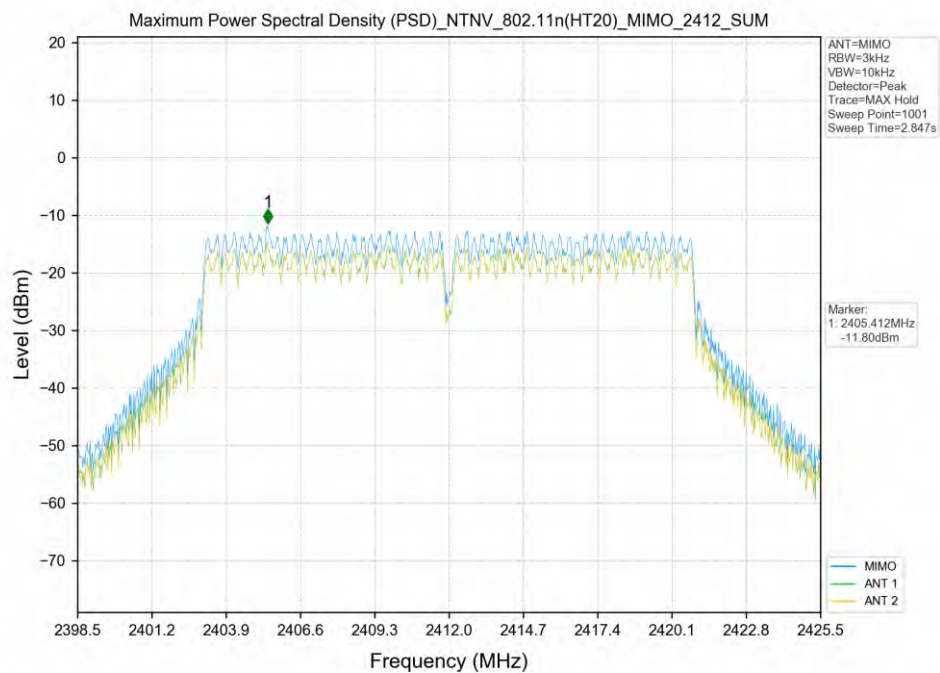
802.11n(HT20)\_2412MHz\_MIMO\_ANT1



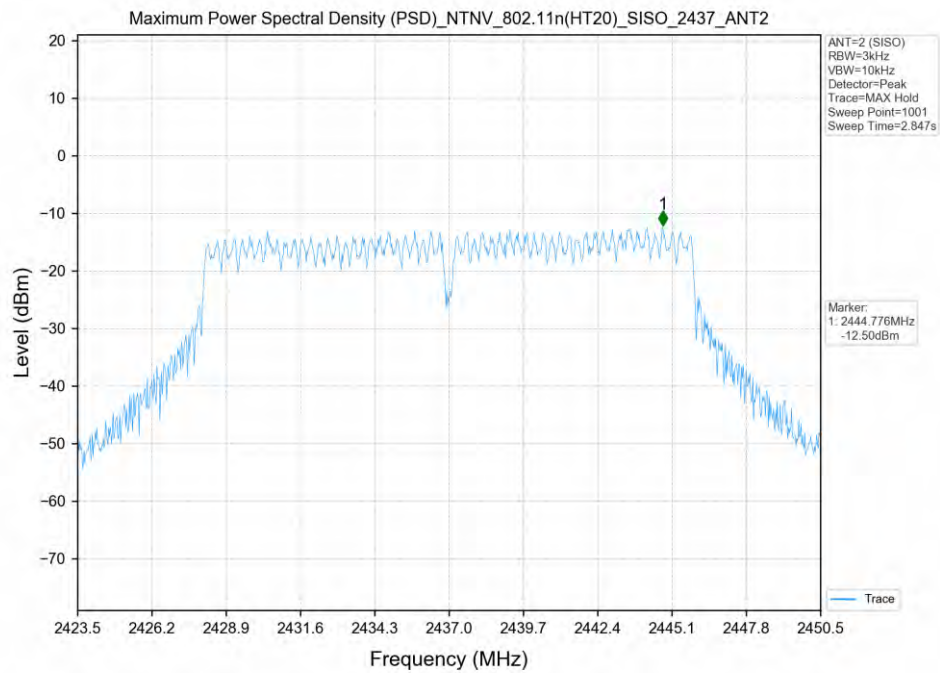
802.11n(HT20)\_2412MHz\_MIMO\_ANT2



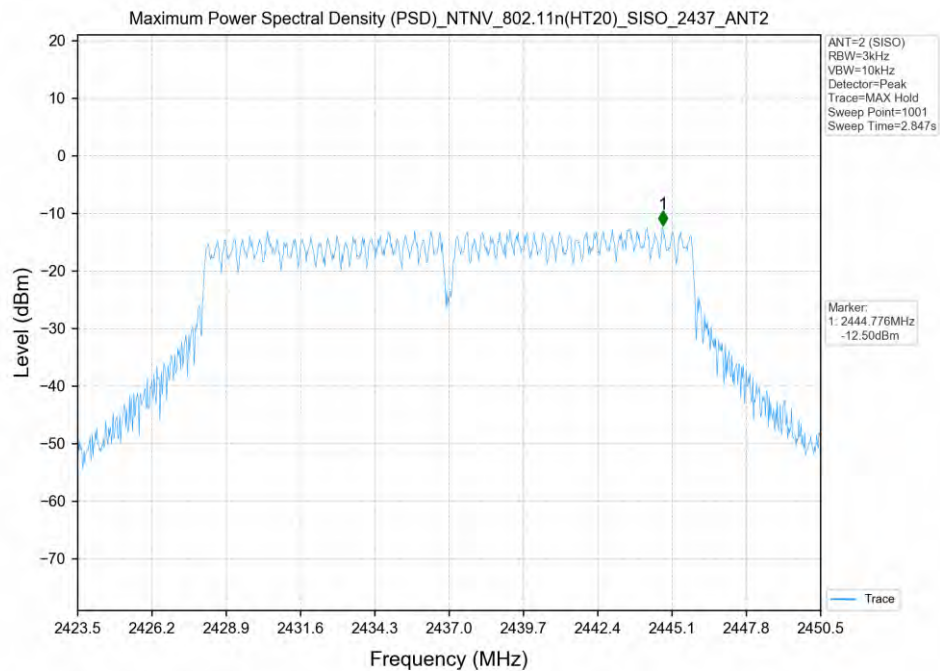
802.11n(HT20)\_2412MHz\_MIMO\_Total



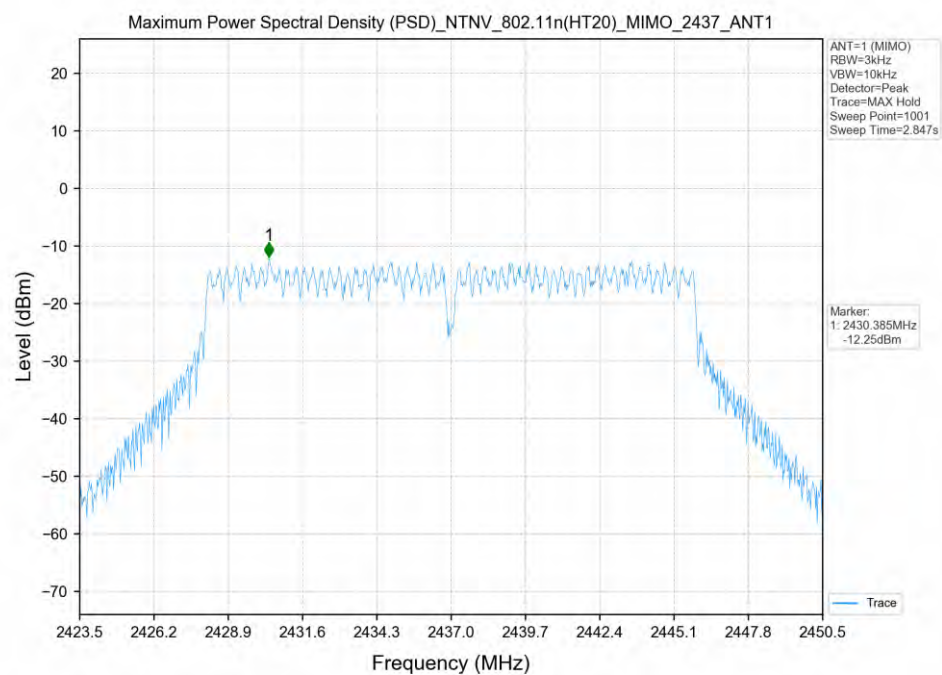
802.11n(HT20)\_2437MHz\_SISO\_ANT1



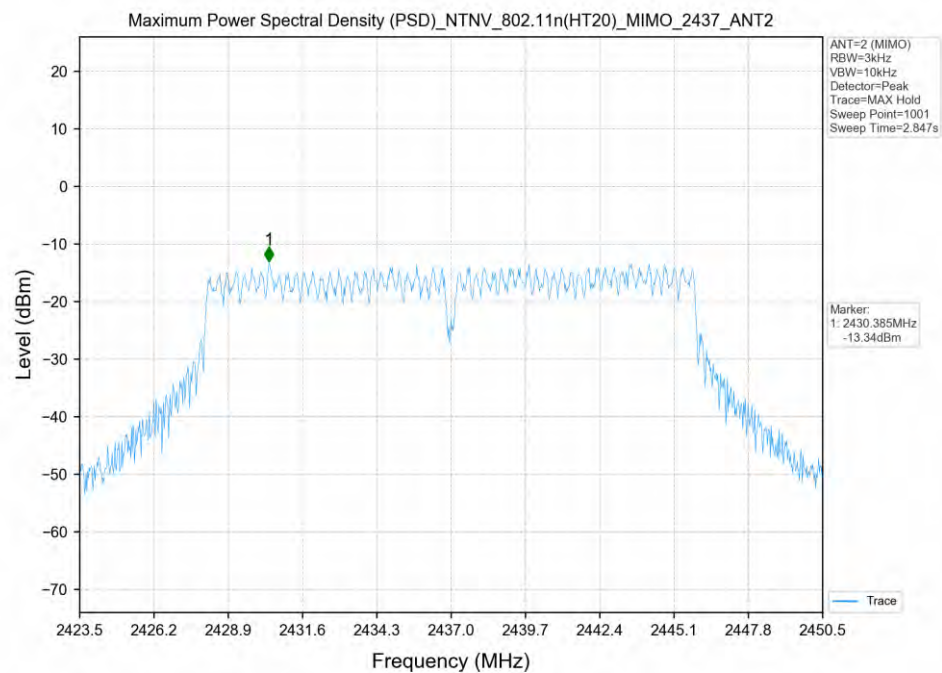
802.11n(HT20) 2437MHz SISO ANT2



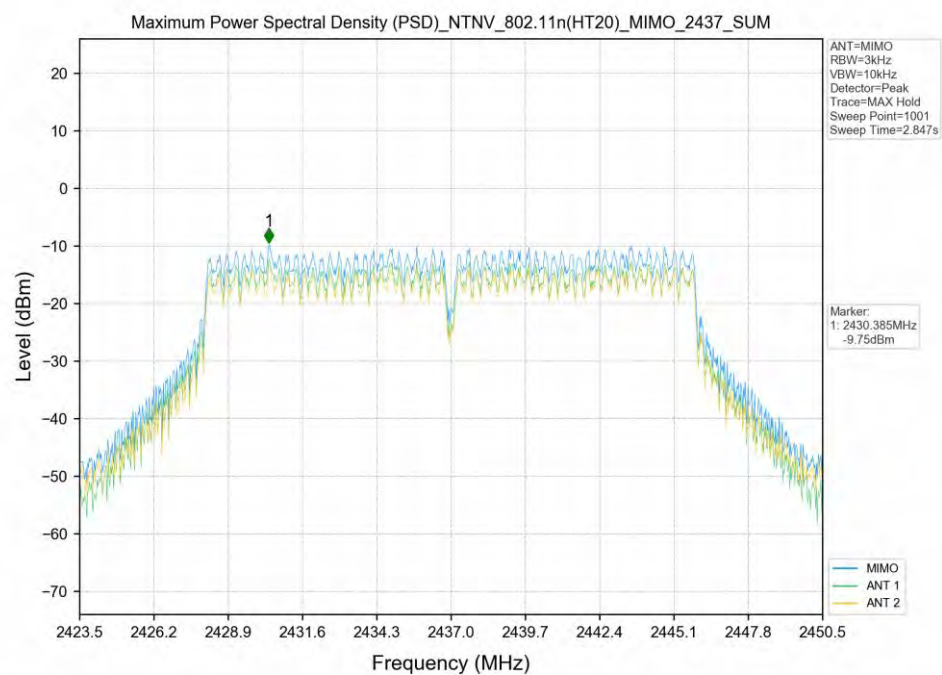
802.11n(HT20) 2437MHz MIMO ANT1



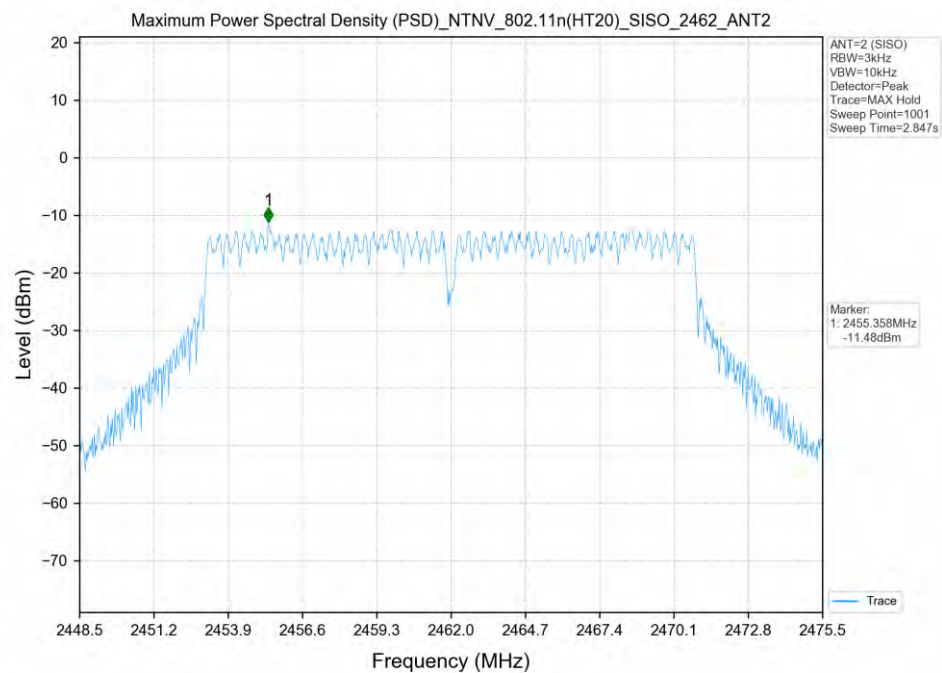
802.11n(HT20)\_2437MHz\_MIMO\_ANT2



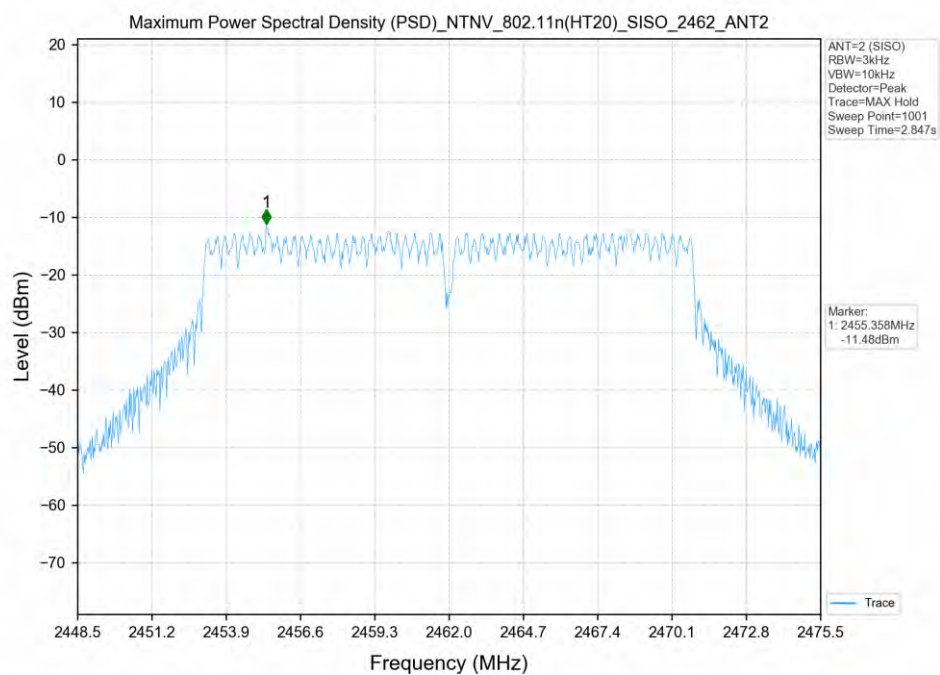
802.11n(HT20)\_2437MHz\_MIMO\_Total



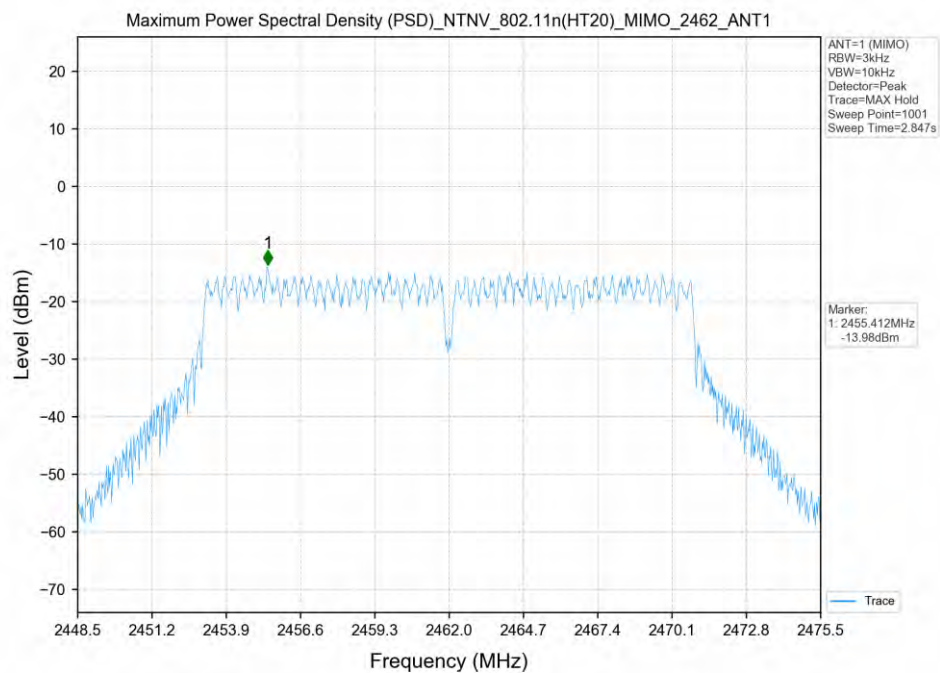
802.11n(HT20)\_2462MHz\_SISO\_ANT1



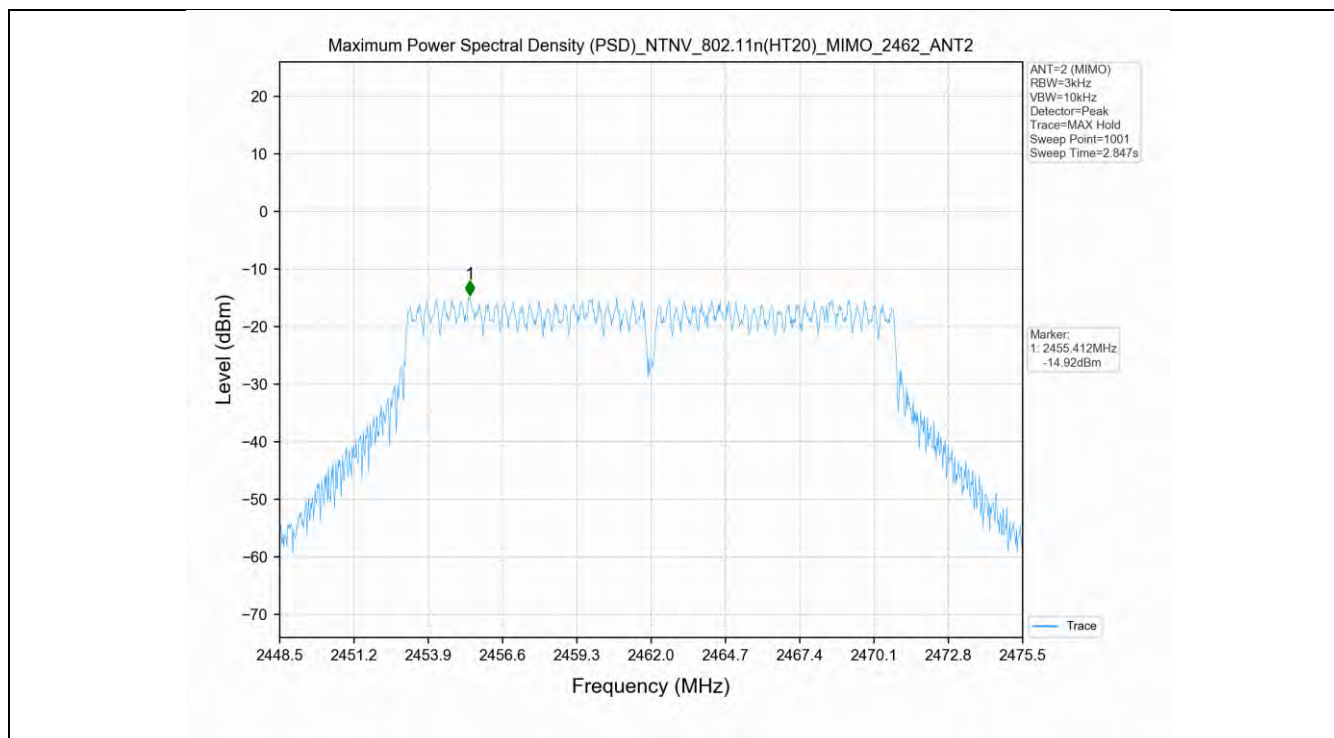
802.11n(HT20)\_2462MHz\_SISO\_ANT2



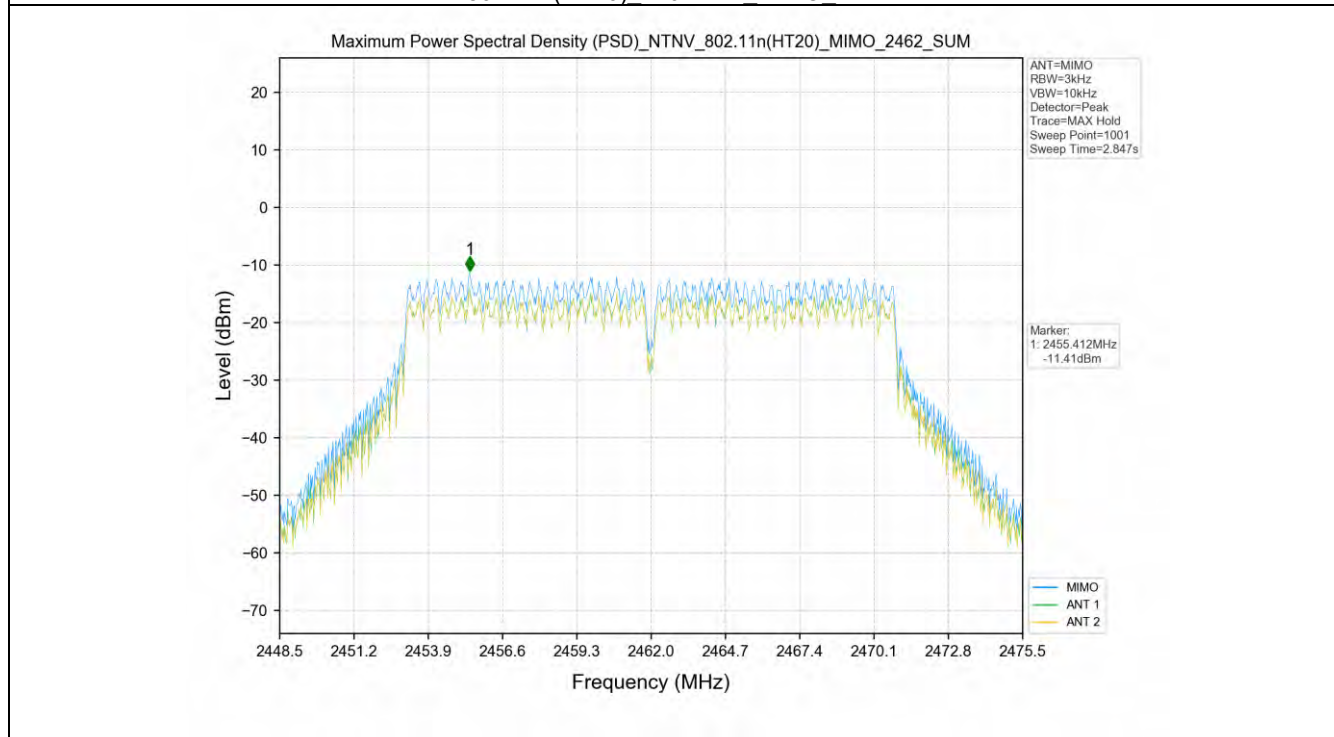
802.11n(HT20)\_2462MHz\_MIMO\_ANT1



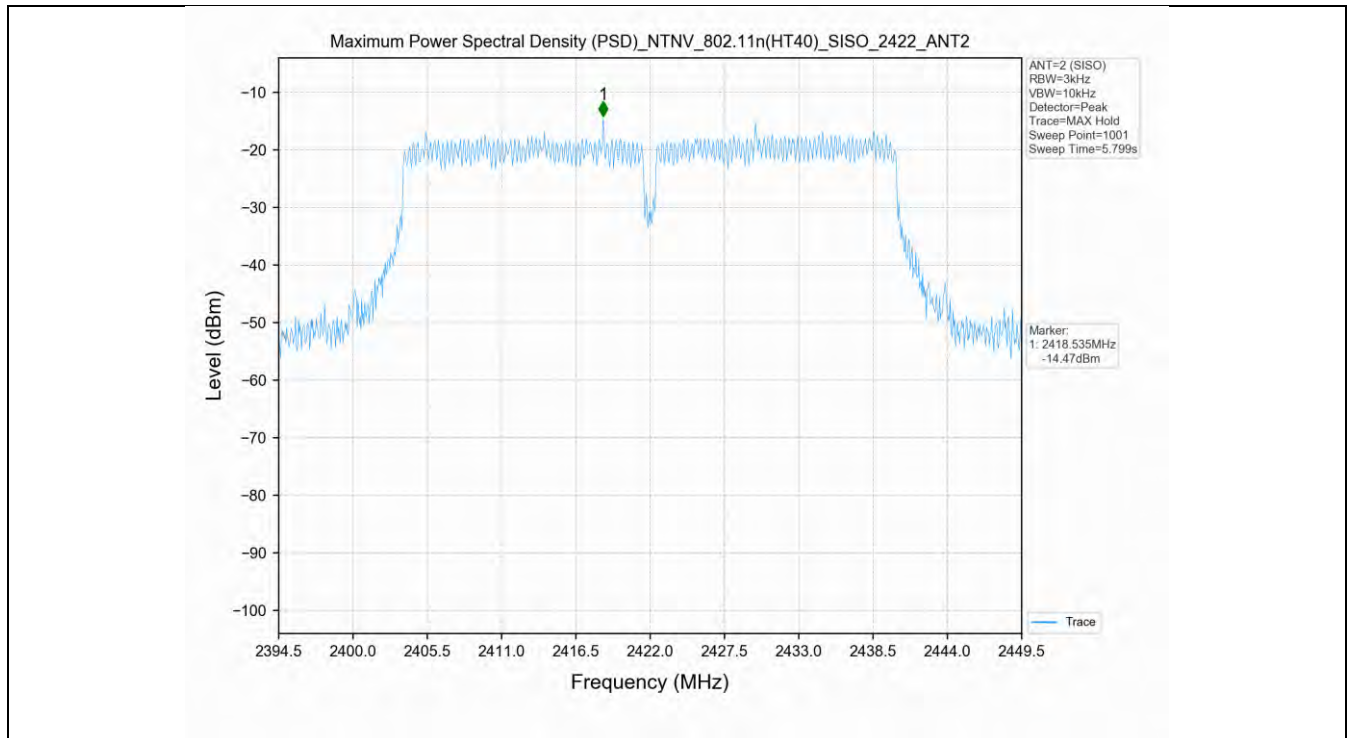
802.11n(HT20)\_2462MHz\_MIMO\_ANT2



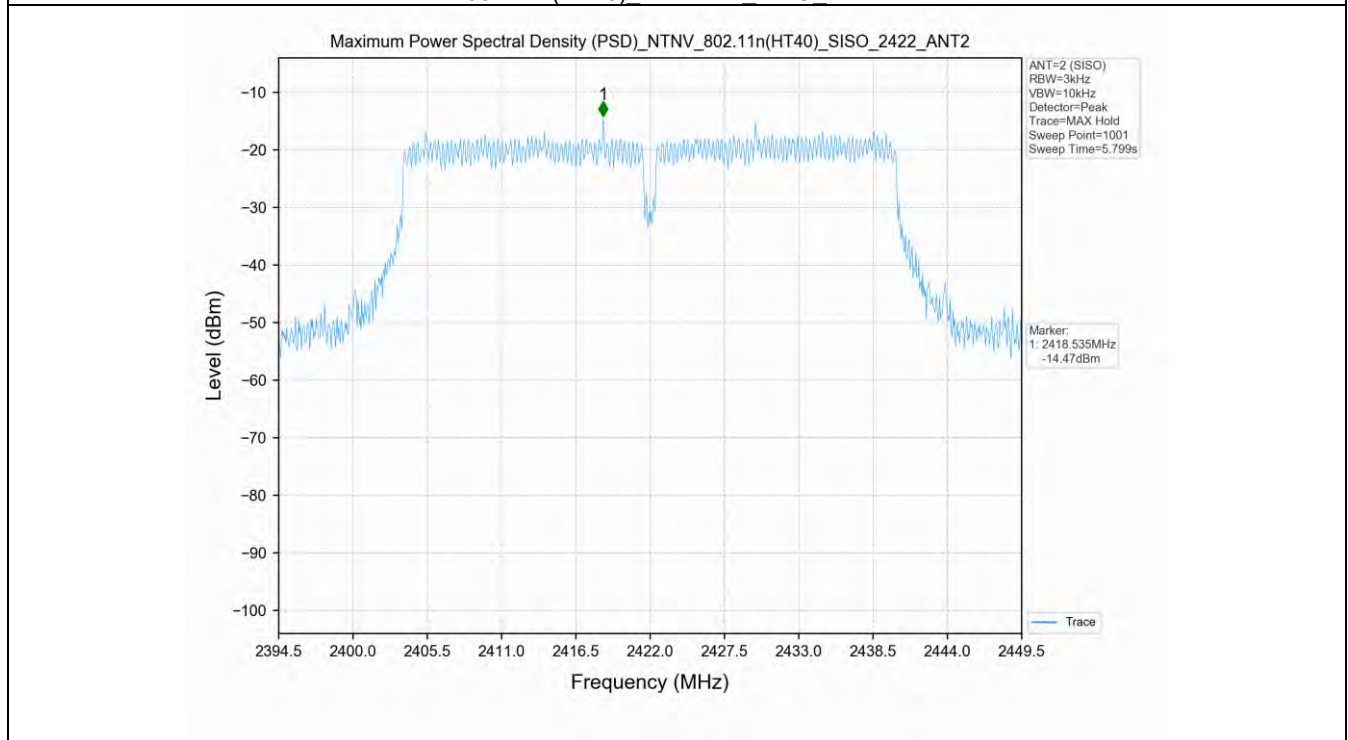
802.11n(HT20)\_2462MHz\_MIMO\_Total



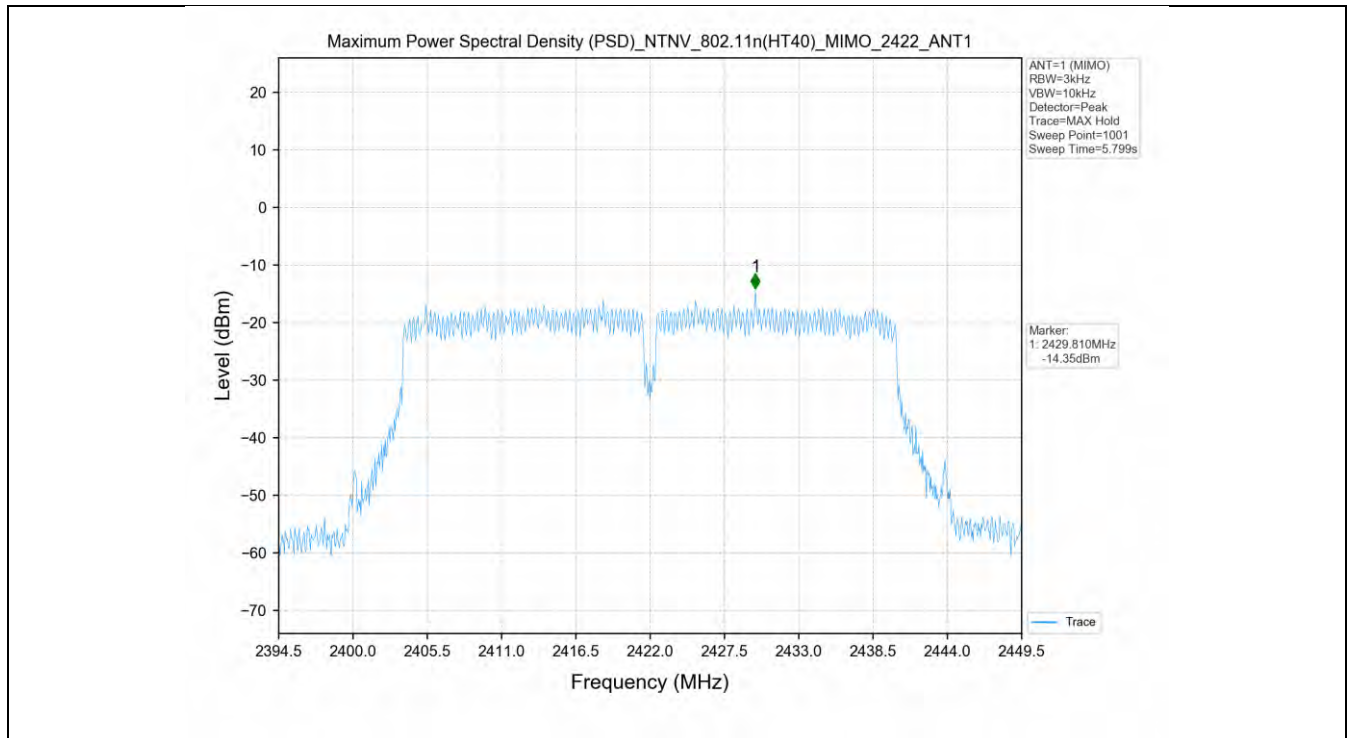
802.11n(HT40)\_2422MHz\_SISO\_ANT1



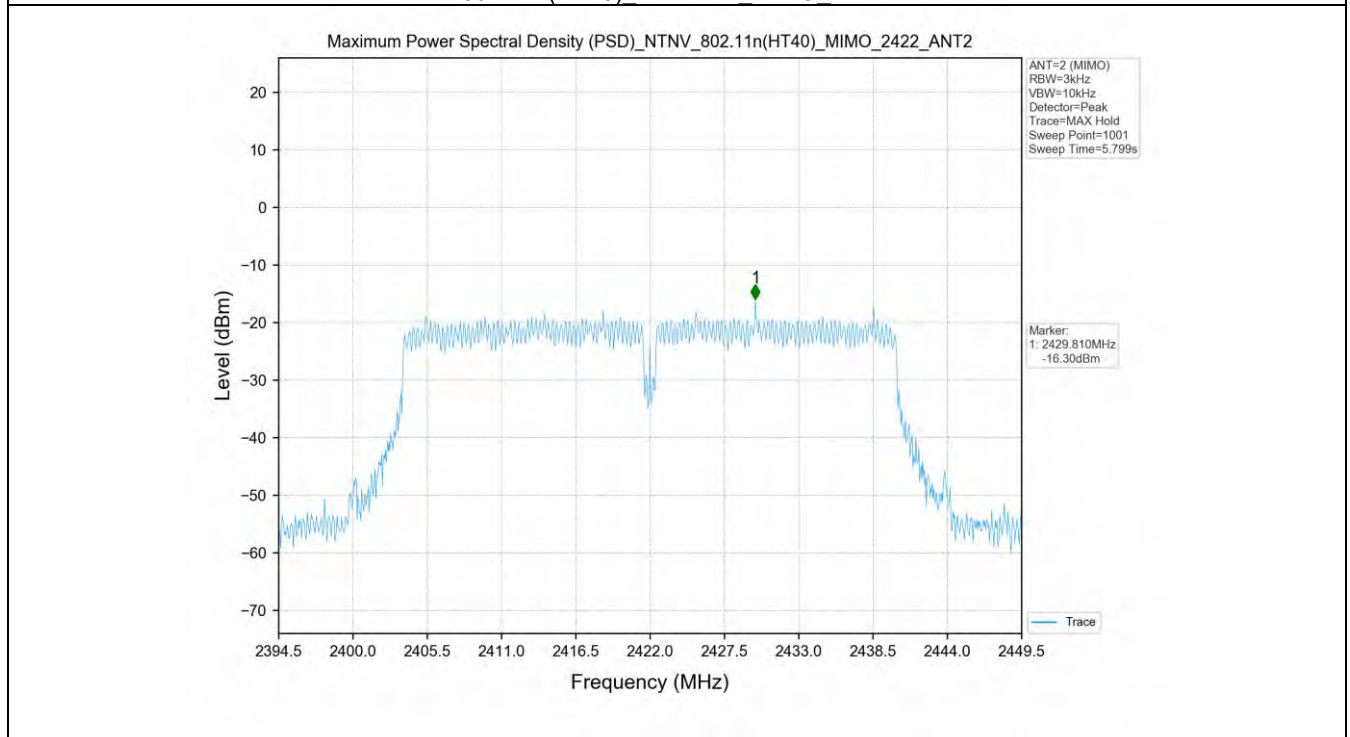
802.11n(HT40)\_2422MHz\_SISO\_ANT2



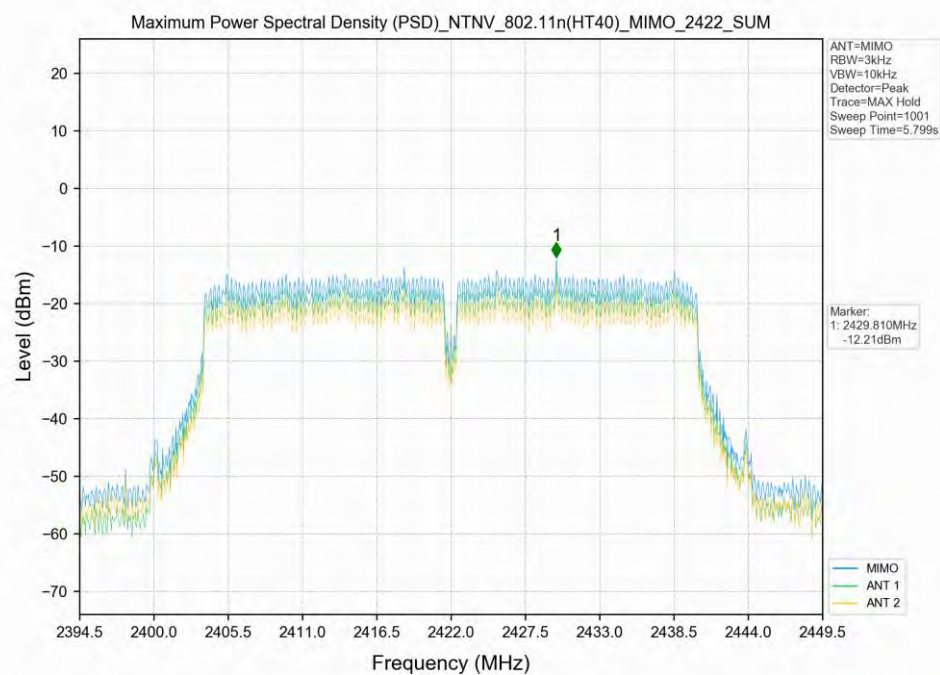
802.11n(HT40)\_2422MHz\_MIMO\_ANT1



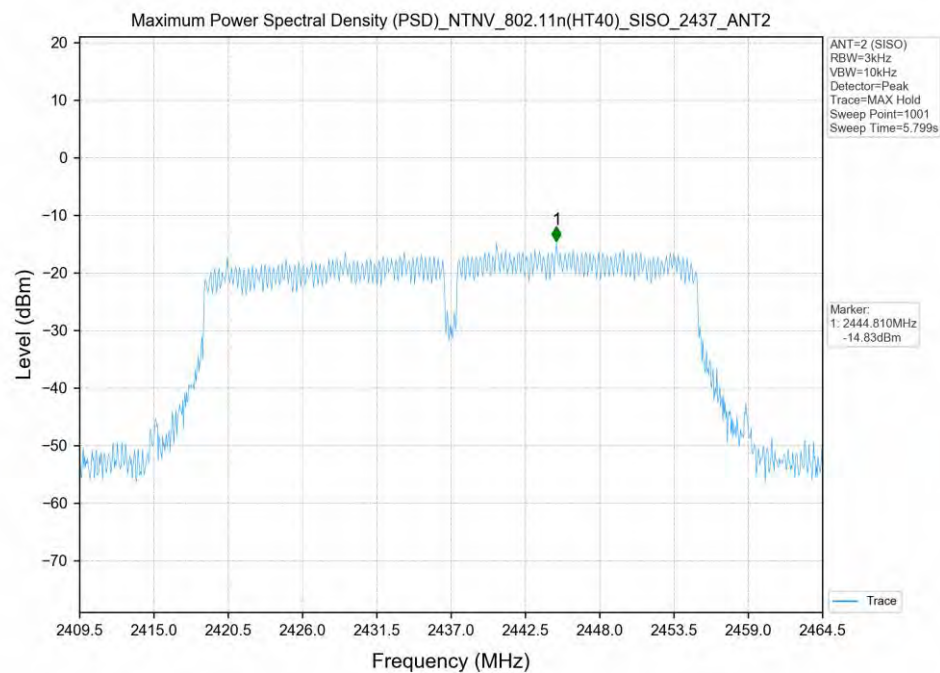
802.11n(HT40)\_2422MHz\_MIMO\_ANT2



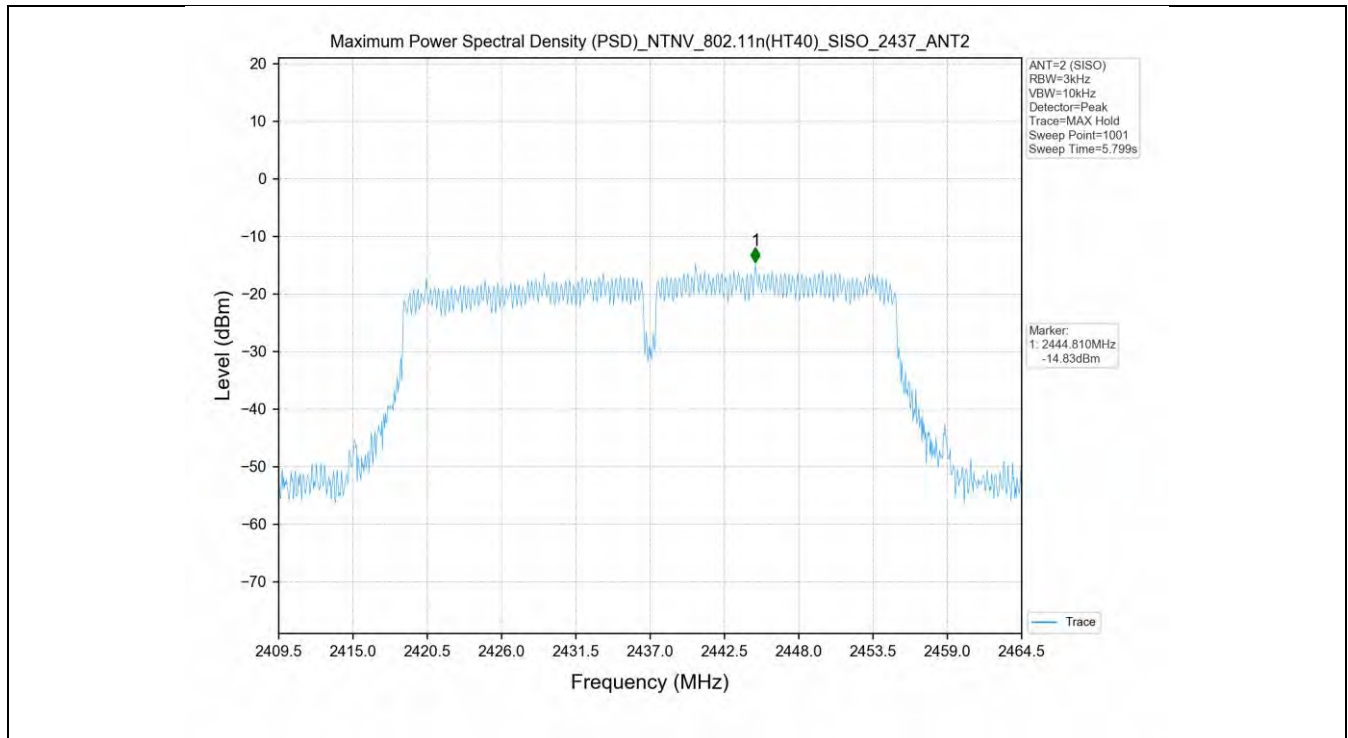
802.11n(HT40)\_2422MHz\_MIMO\_Total



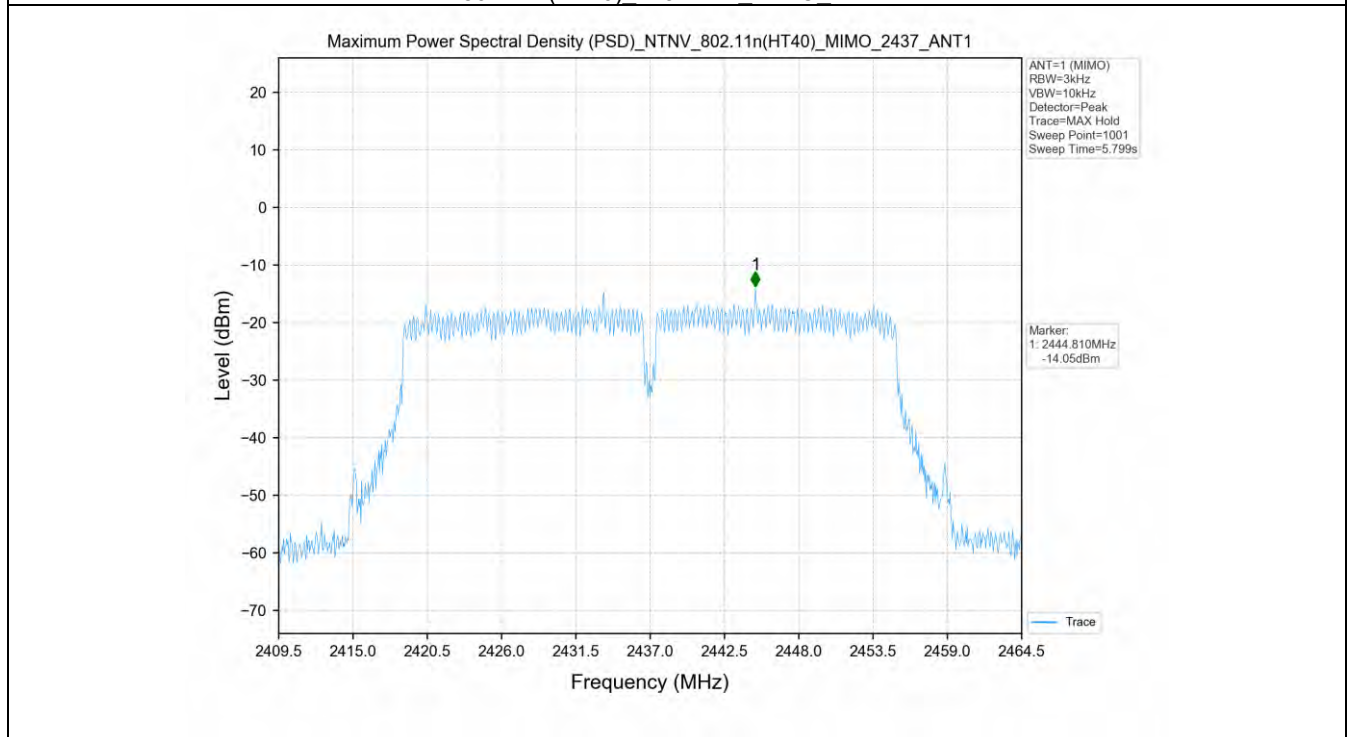
802.11n(HT40)\_2437MHz\_SISO\_ANT1



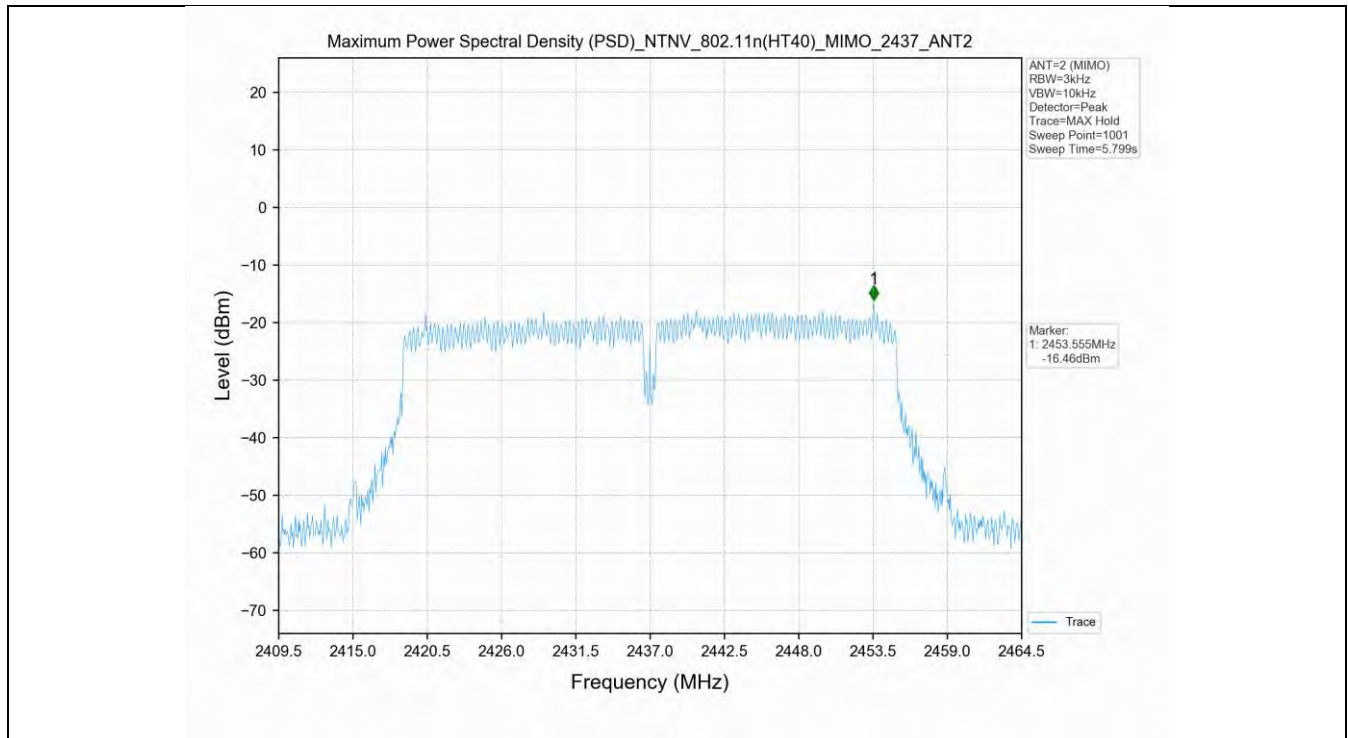
802.11n(HT40)\_2437MHz\_SISO\_ANT2



802.11n(HT40)\_2437MHz\_MIMO\_ANT1



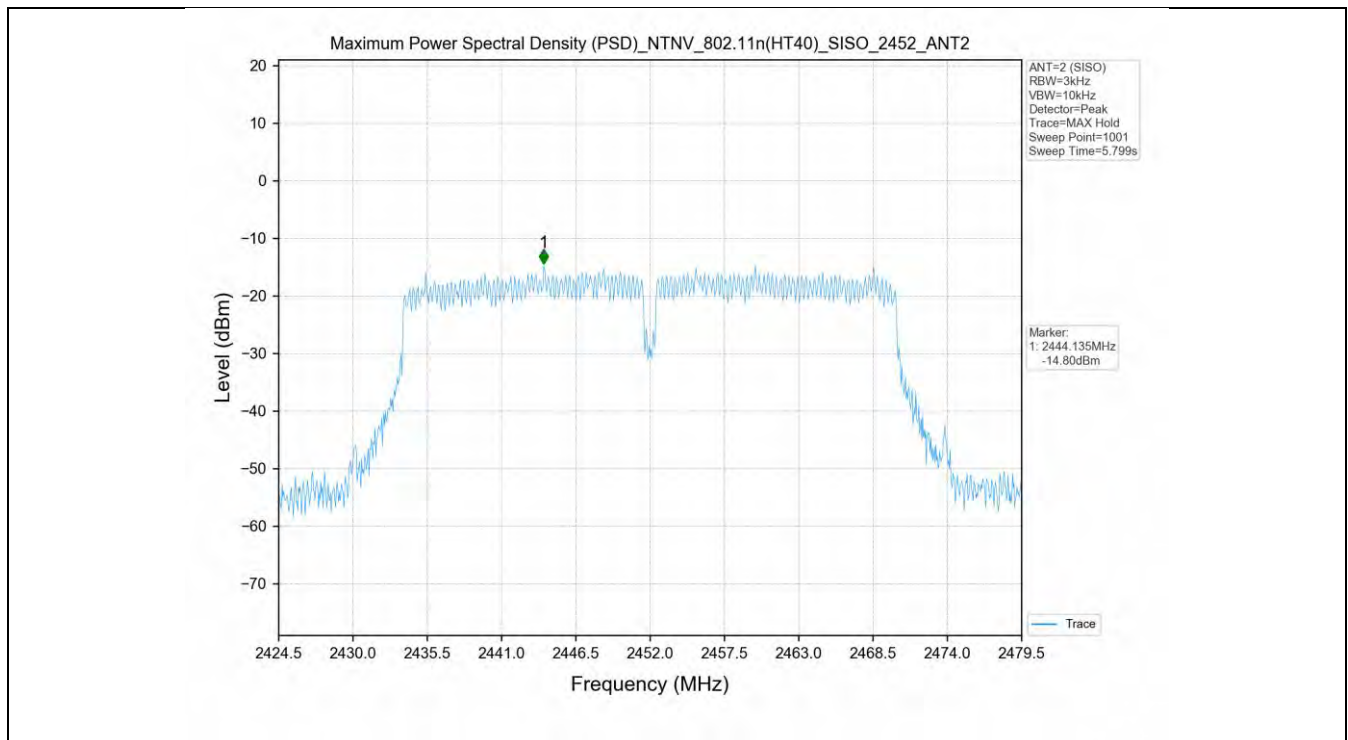
802.11n(HT40)\_2437MHz\_MIMO\_ANT2



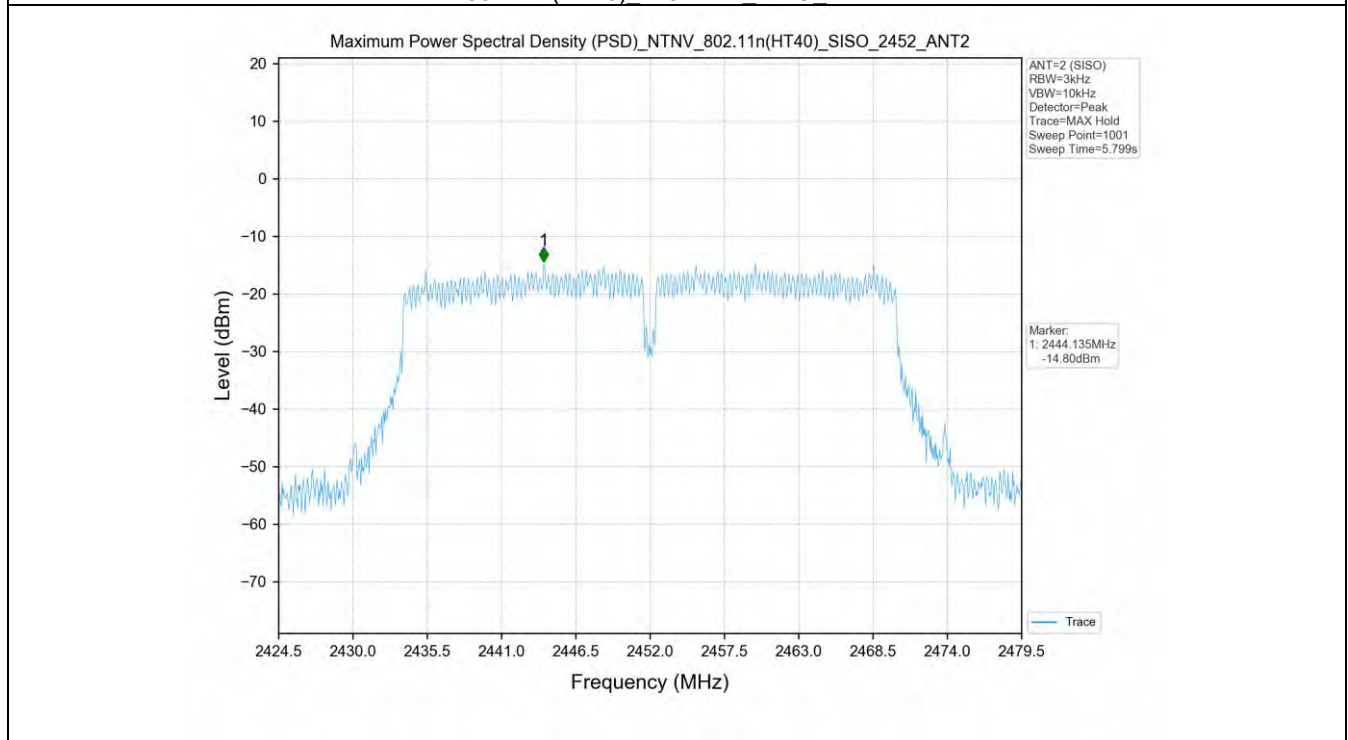
802.11n(HT40)\_2437MHz\_MIMO\_Total



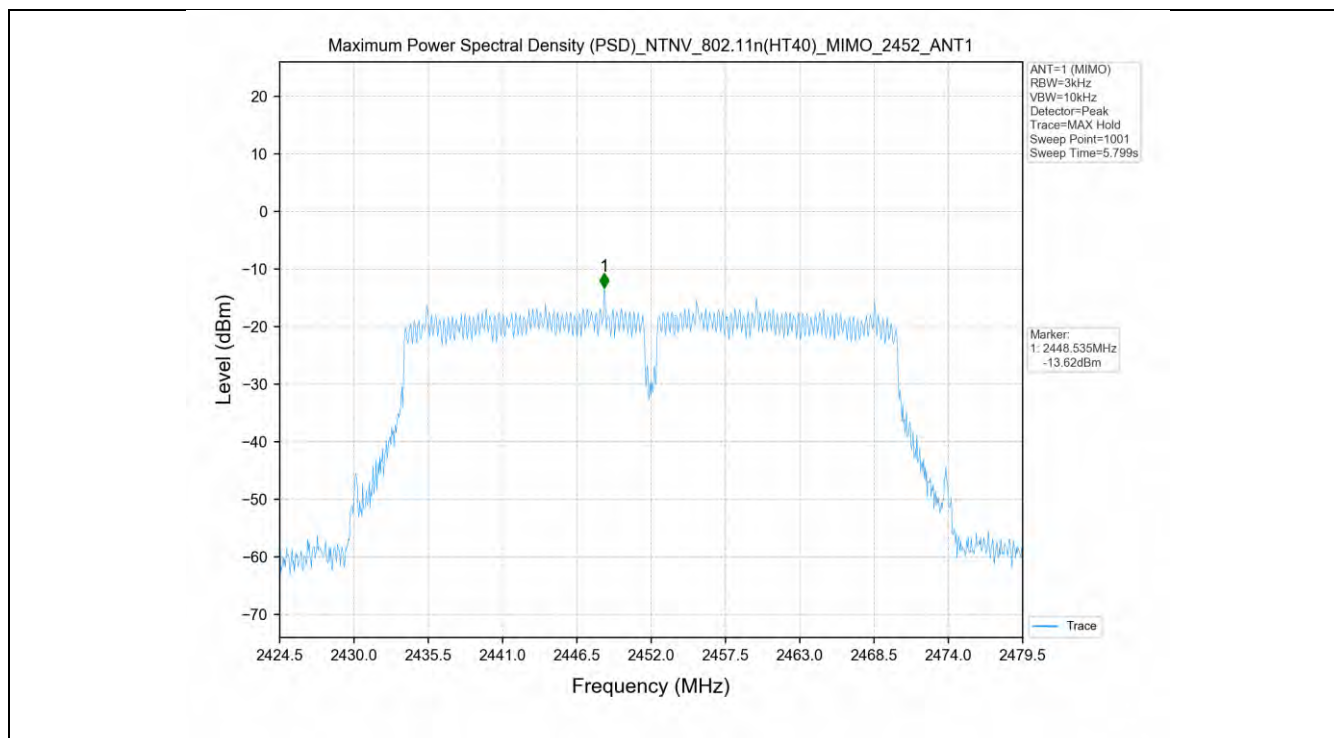
802.11n(HT40)\_2452MHz\_SISO\_ANT1



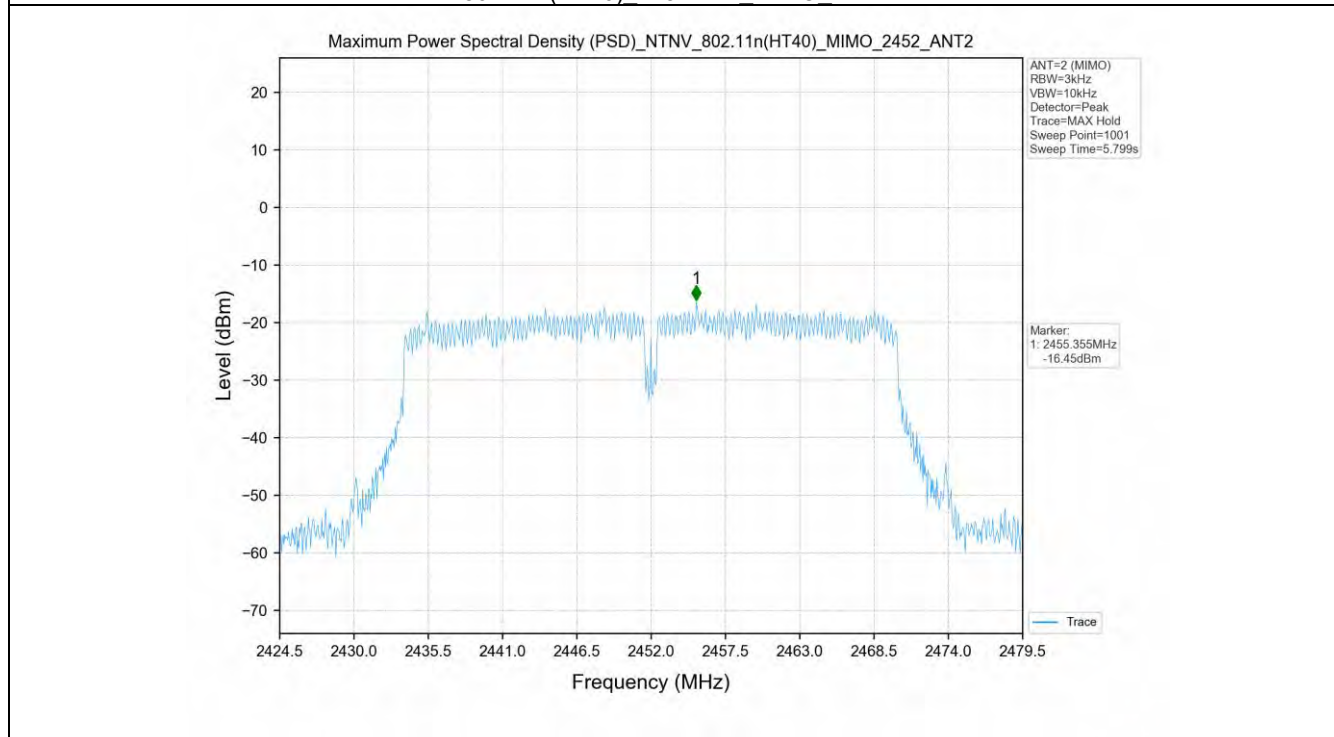
802.11n(HT40)\_2452MHz\_SISO\_ANT2



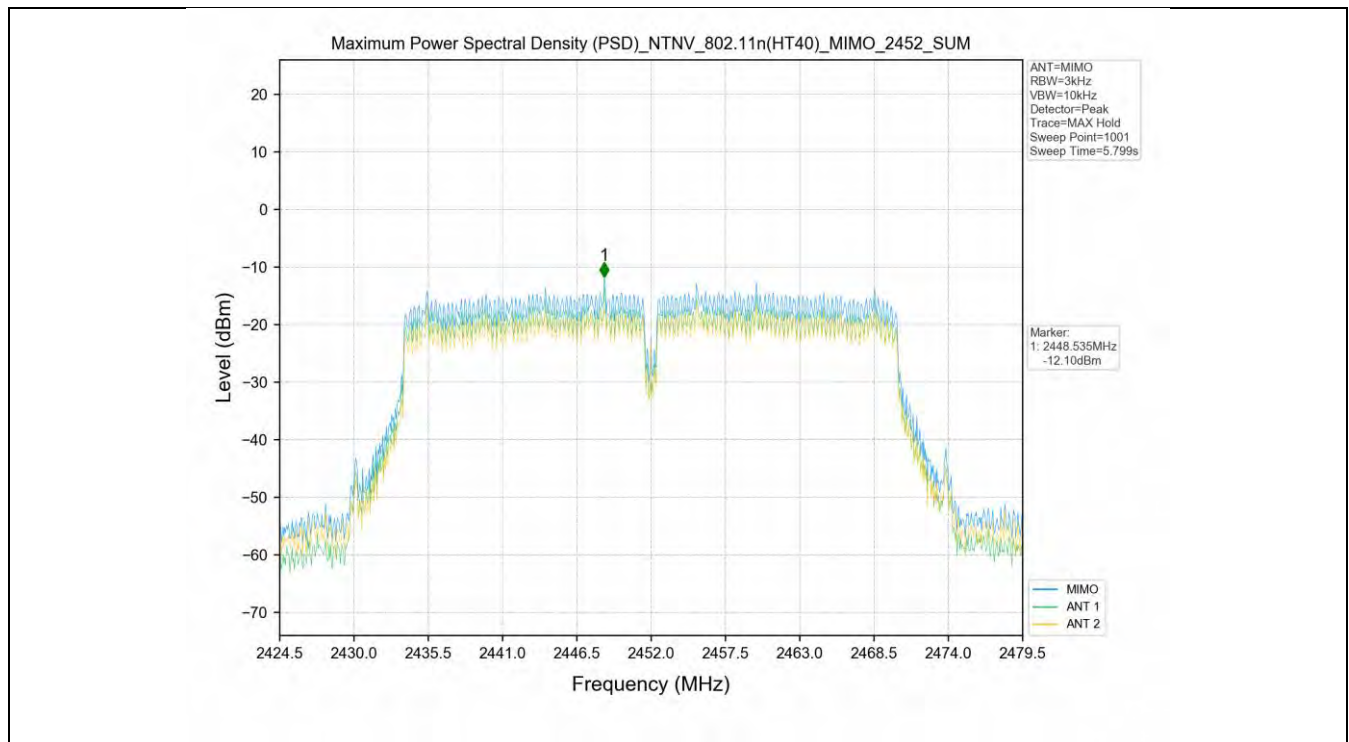
802.11n(HT40)\_2452MHz\_MIMO\_ANT1



802.11n(HT40)\_2452MHz\_MIMO\_ANT2



802.11n(HT40)\_2452MHz\_MIMO\_Total



## 5. Unwanted Emissions in Non-restricted Frequency Bands

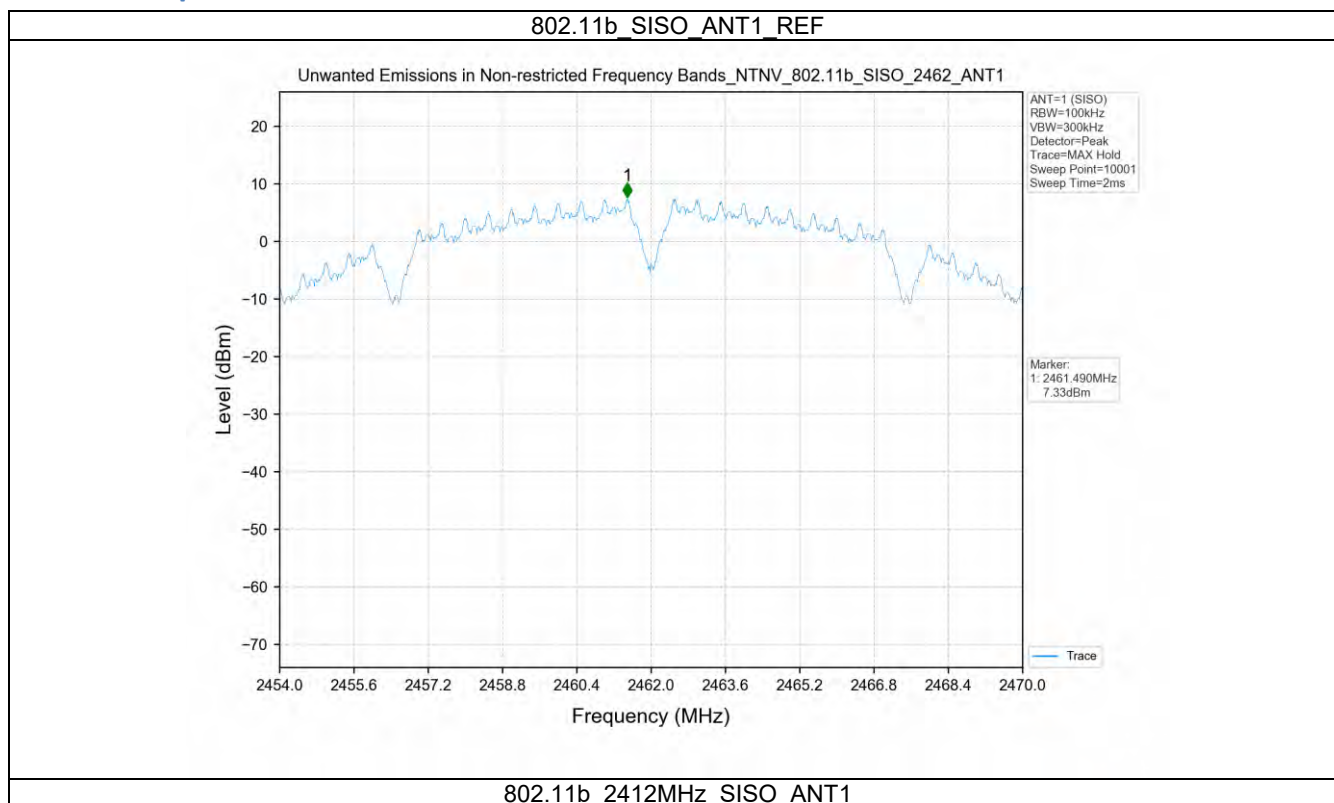
### 5.1 Test Result

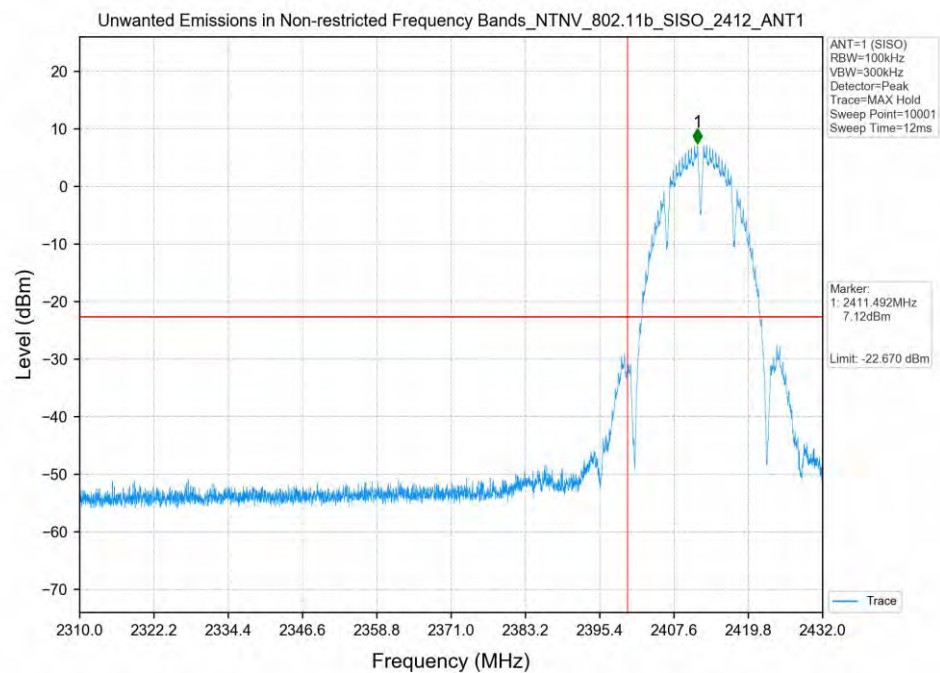
| Test Mode     | Frequency (MHz) | TX Type | ANT No. | Spurious Conducted Emission (dBc) | Limits (dBc) | Verdict |
|---------------|-----------------|---------|---------|-----------------------------------|--------------|---------|
| 802.11b       | 2412            | SISO    | 1       | Refer to test graph               | $\leq -30$   | Pass    |
|               |                 |         | 2       | Refer to test graph               | $\leq -30$   | Pass    |
|               | 2437            | SISO    | 1       | Refer to test graph               | $\leq -30$   | Pass    |
|               |                 |         | 2       | Refer to test graph               | $\leq -30$   | Pass    |
|               | 2462            | SISO    | 1       | Refer to test graph               | $\leq -30$   | Pass    |
|               |                 |         | 2       | Refer to test graph               | $\leq -30$   | Pass    |
| 802.11g       | 2412            | SISO    | 1       | Refer to test graph               | $\leq -30$   | Pass    |
|               |                 |         | 2       | Refer to test graph               | $\leq -30$   | Pass    |
|               | 2437            | SISO    | 1       | Refer to test graph               | $\leq -30$   | Pass    |
|               |                 |         | 2       | Refer to test graph               | $\leq -30$   | Pass    |
|               | 2462            | SISO    | 1       | Refer to test graph               | $\leq -30$   | Pass    |
|               |                 |         | 2       | Refer to test graph               | $\leq -30$   | Pass    |
| 802.11n(HT20) | 2412            | SISO    | 1       | Refer to test graph               | $\leq -30$   | Pass    |
|               |                 |         | 2       | Refer to test graph               | $\leq -30$   | Pass    |
|               |                 | MIMO    | 0       | Refer to test graph               | $\leq -30$   | Pass    |
|               | 2437            | SISO    | 1       | Refer to test graph               | $\leq -30$   | Pass    |
|               |                 |         | 2       | Refer to test graph               | $\leq -30$   | Pass    |
|               |                 | MIMO    | 0       | Refer to test graph               | $\leq -30$   | Pass    |
|               | 2462            | SISO    | 1       | Refer to test graph               | $\leq -30$   | Pass    |
|               |                 |         | 2       | Refer to test graph               | $\leq -30$   | Pass    |
|               |                 | MIMO    | 0       | Refer to test graph               | $\leq -30$   | Pass    |
| 802.11n(HT40) | 2422            | SISO    | 1       | Refer to test graph               | $\leq -30$   | Pass    |



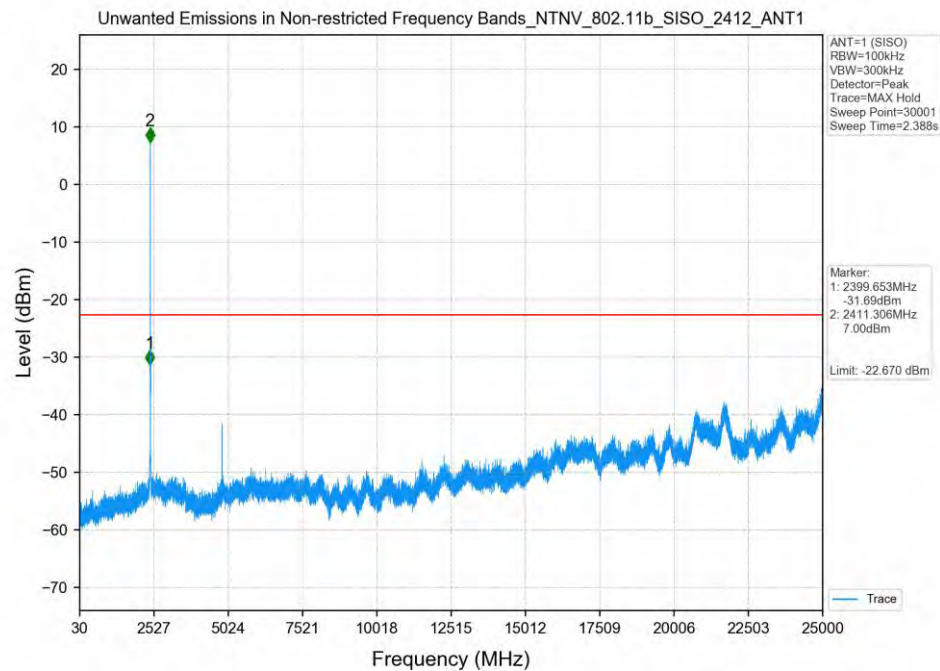
|  |      |      |   |                     |            |      |
|--|------|------|---|---------------------|------------|------|
|  |      |      | 2 | Refer to test graph | $\leq -30$ | Pass |
|  |      | MIMO | 0 | Refer to test graph | $\leq -30$ | Pass |
|  | 2437 | SISO | 1 | Refer to test graph | $\leq -30$ | Pass |
|  |      |      | 2 | Refer to test graph | $\leq -30$ | Pass |
|  | 2452 | MIMO | 0 | Refer to test graph | $\leq -30$ | Pass |
|  |      | SISO | 1 | Refer to test graph | $\leq -30$ | Pass |
|  |      |      | 2 | Refer to test graph | $\leq -30$ | Pass |
|  |      | MIMO | 0 | Refer to test graph | $\leq -30$ | Pass |

## 5.2 Test Graph

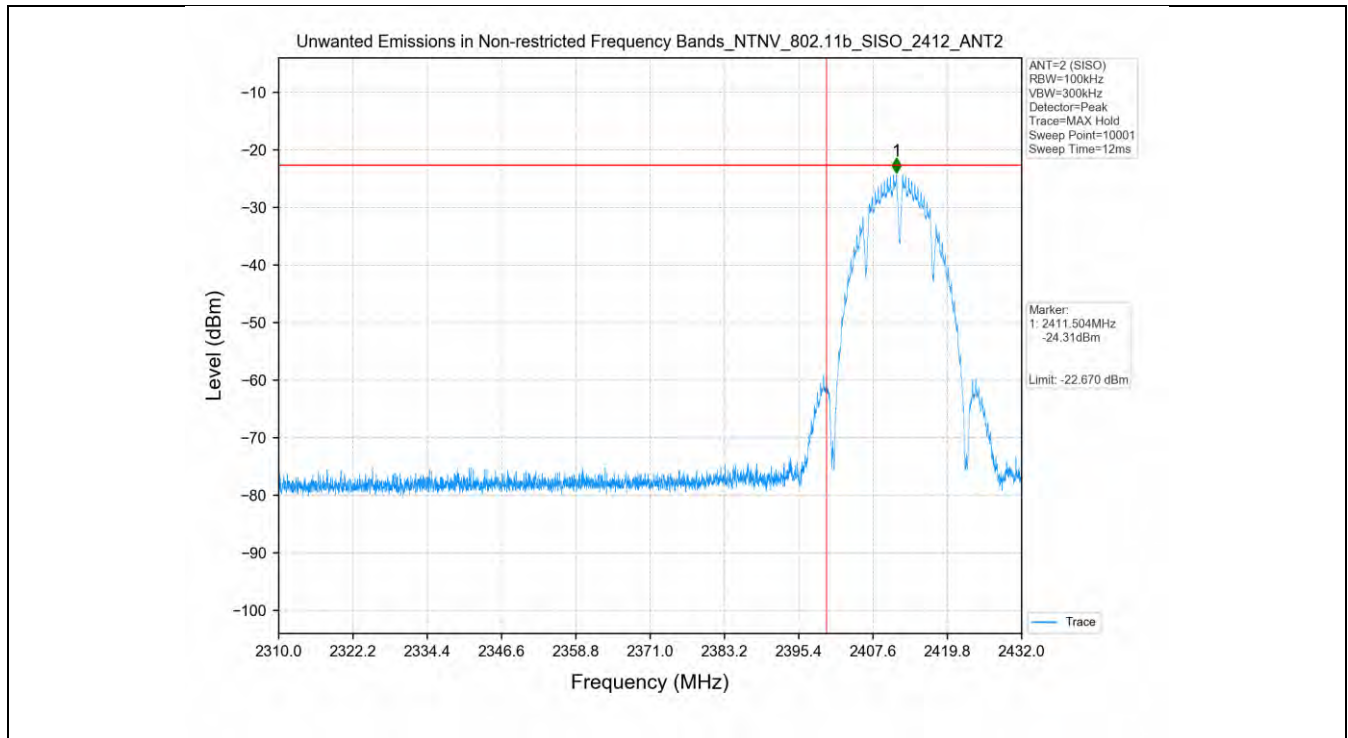




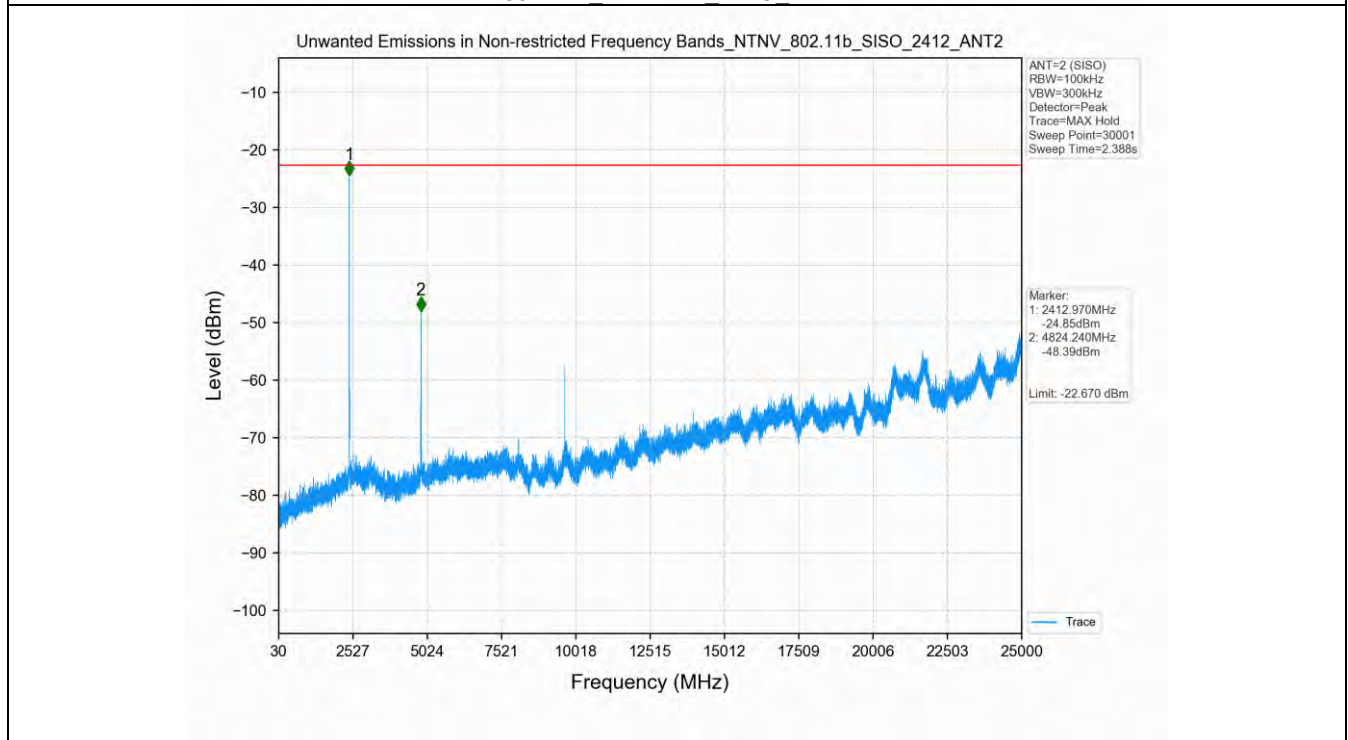
802.11b\_2412MHz\_SISO\_ANT1



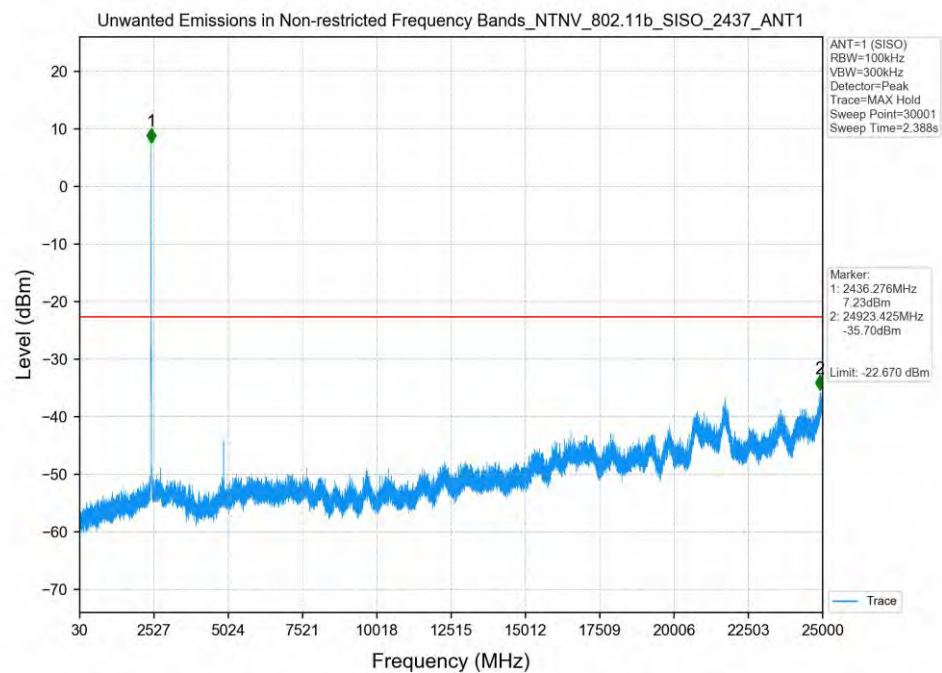
802.11b\_2412MHz\_SISO\_ANT2



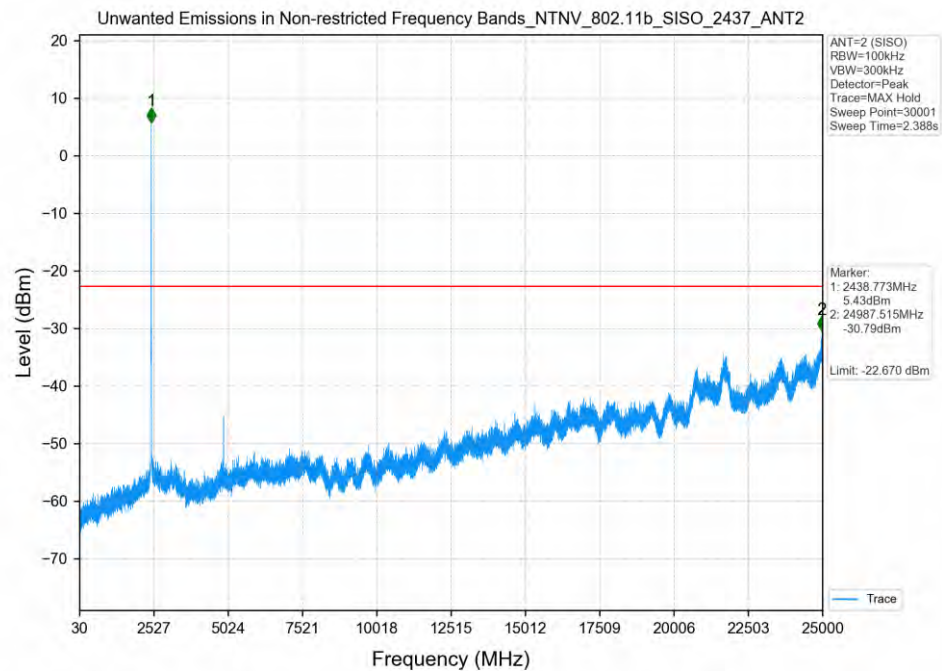
802.11b\_2412MHz\_SISO\_ANT2



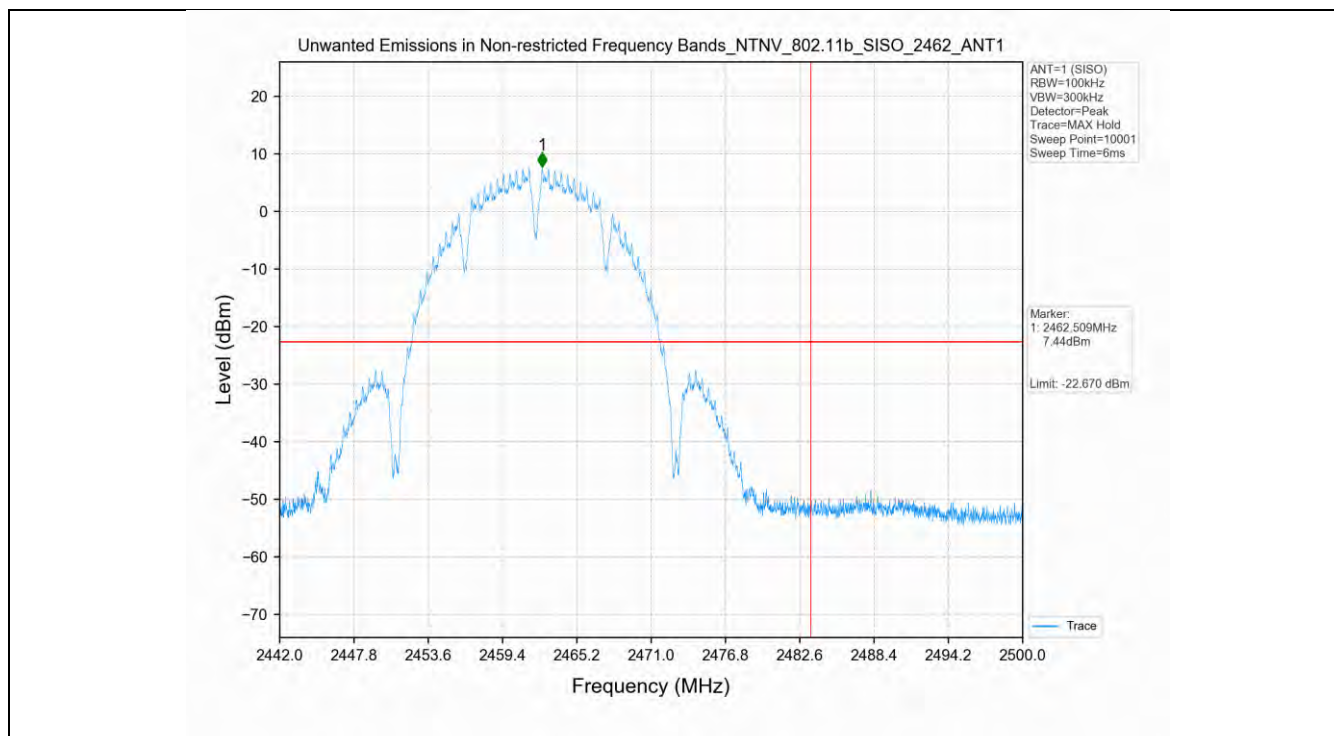
802.11b\_2437MHz\_SISO\_ANT1



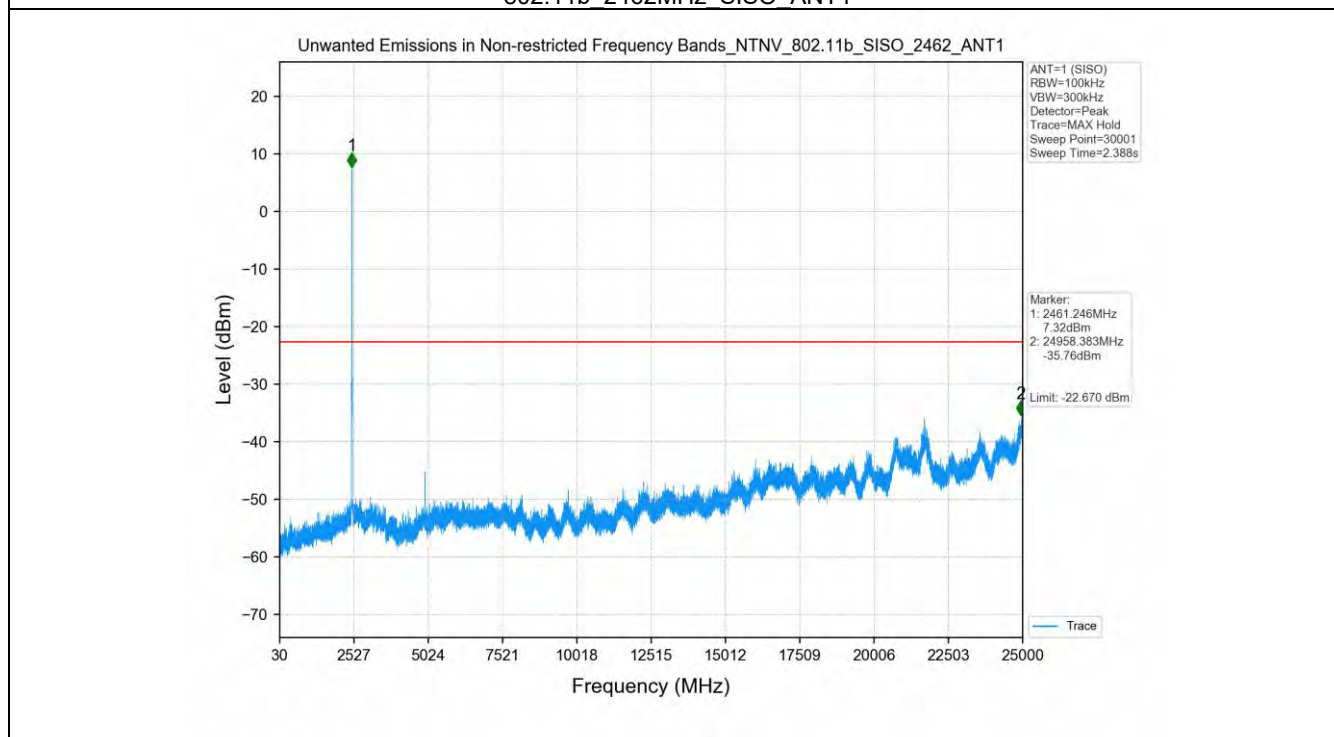
802.11b\_2437MHz\_SISO\_ANT2



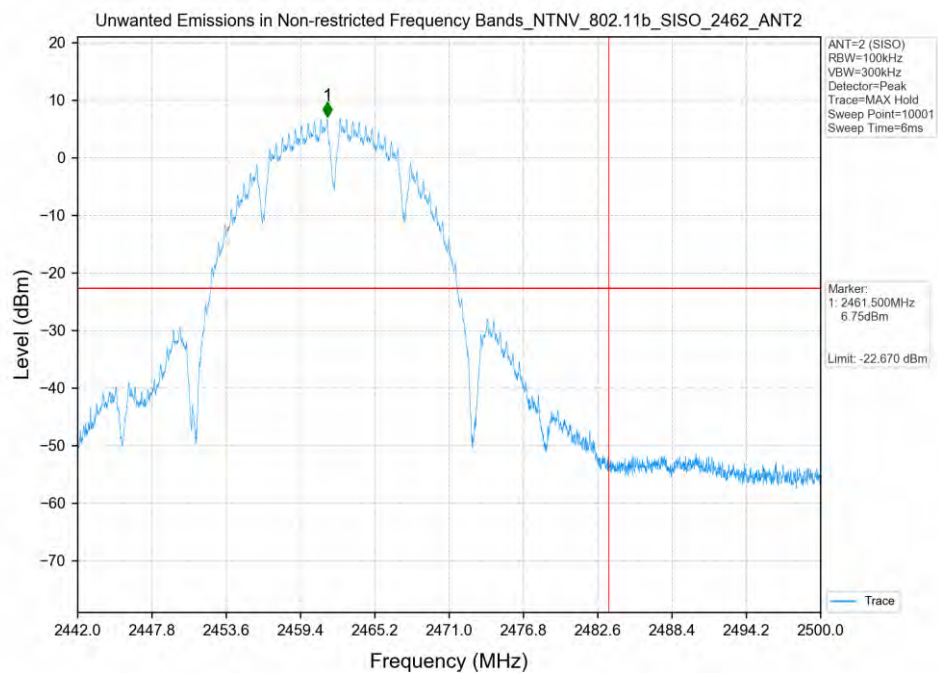
802.11b\_2462MHz\_SISO\_ANT1



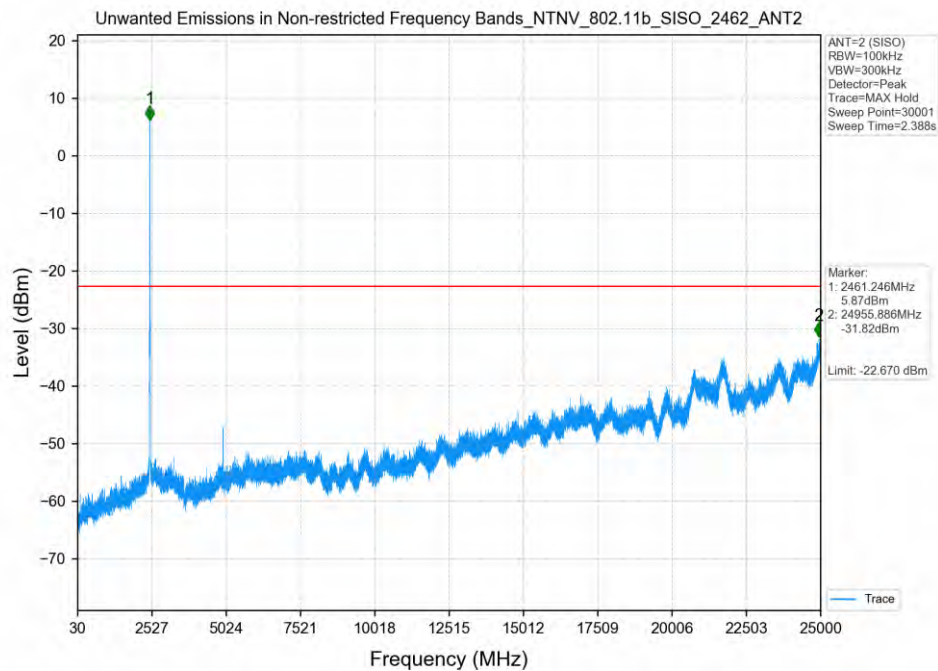
802.11b\_2462MHz\_SISO\_ANT1



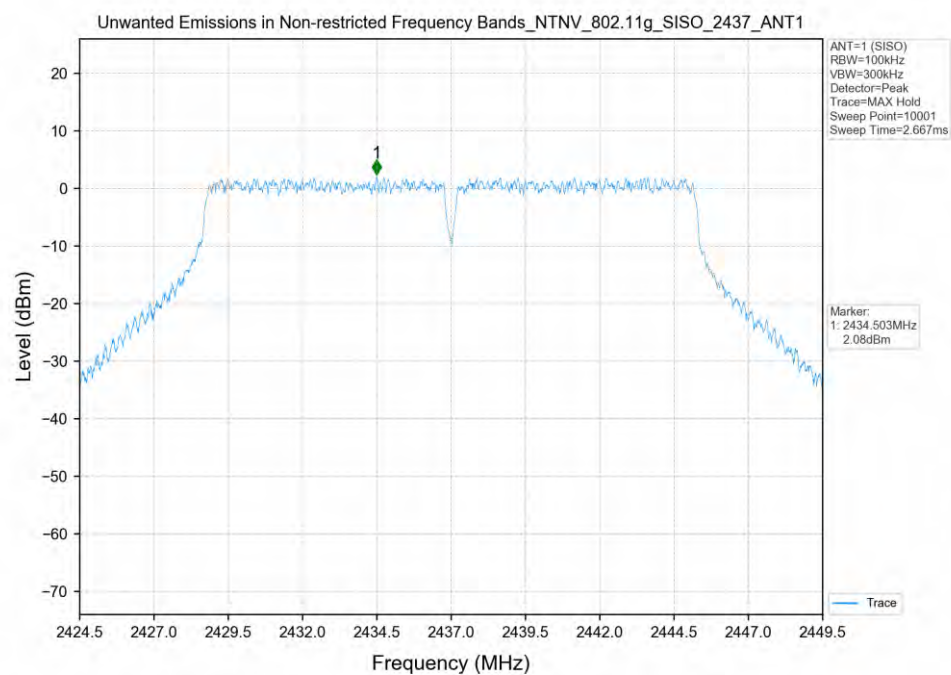
802.11b\_2462MHz\_SISO\_ANT2



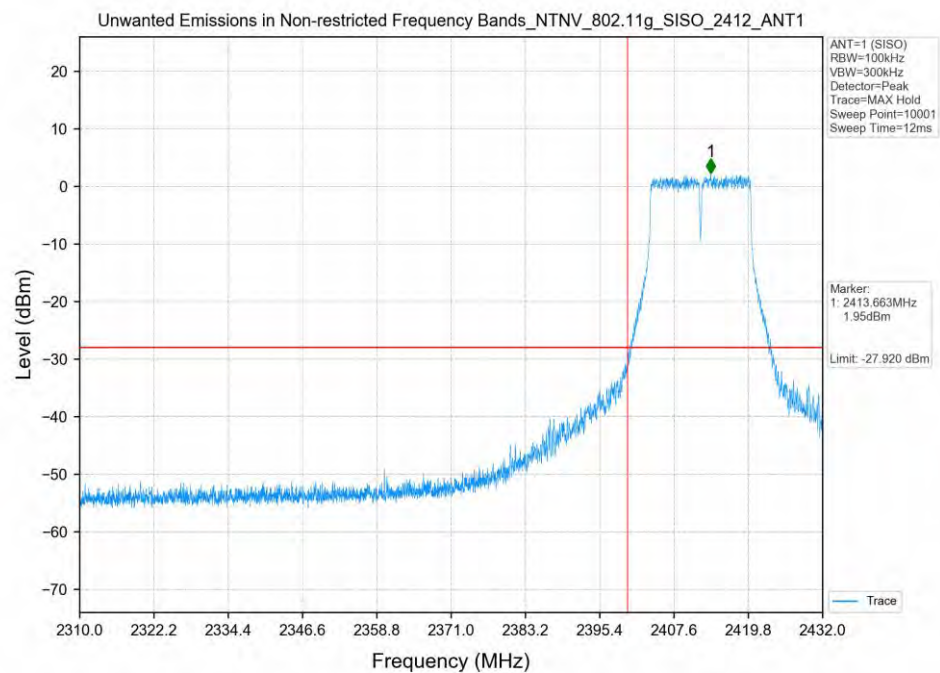
802.11b\_2462MHz\_SISO\_ANT2



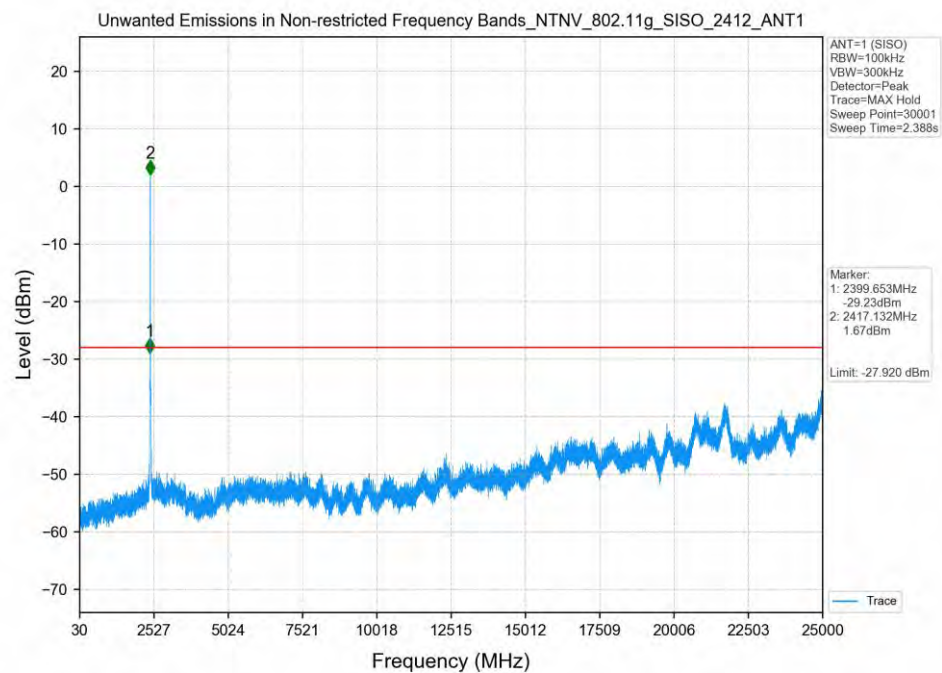
802.11g\_SISO\_ANT1\_REF



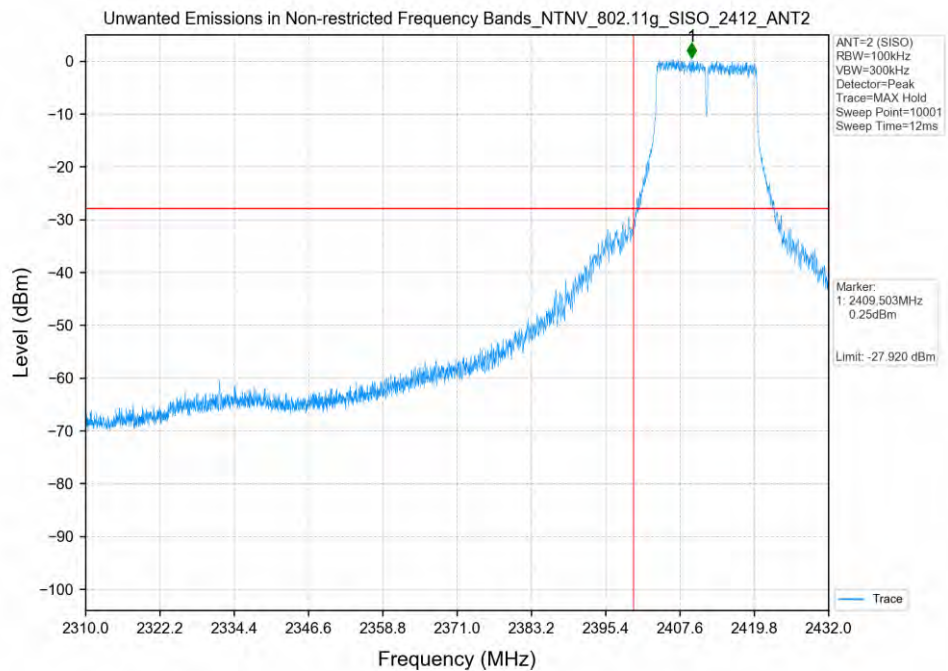
802.11g\_2412MHz\_SISO\_ANT1



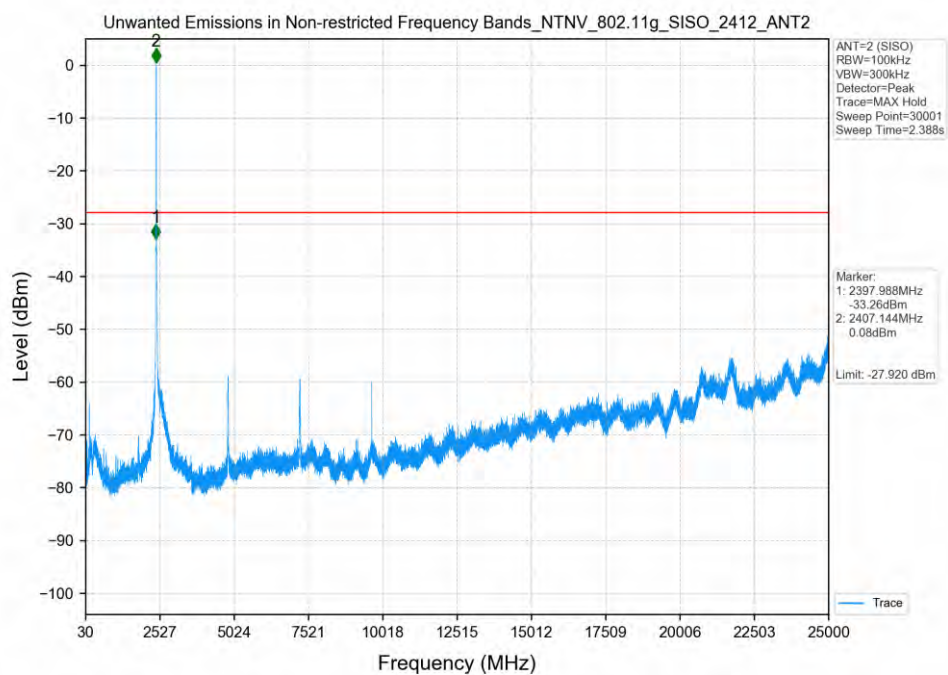
802.11g\_2412MHz\_SISO\_ANT1



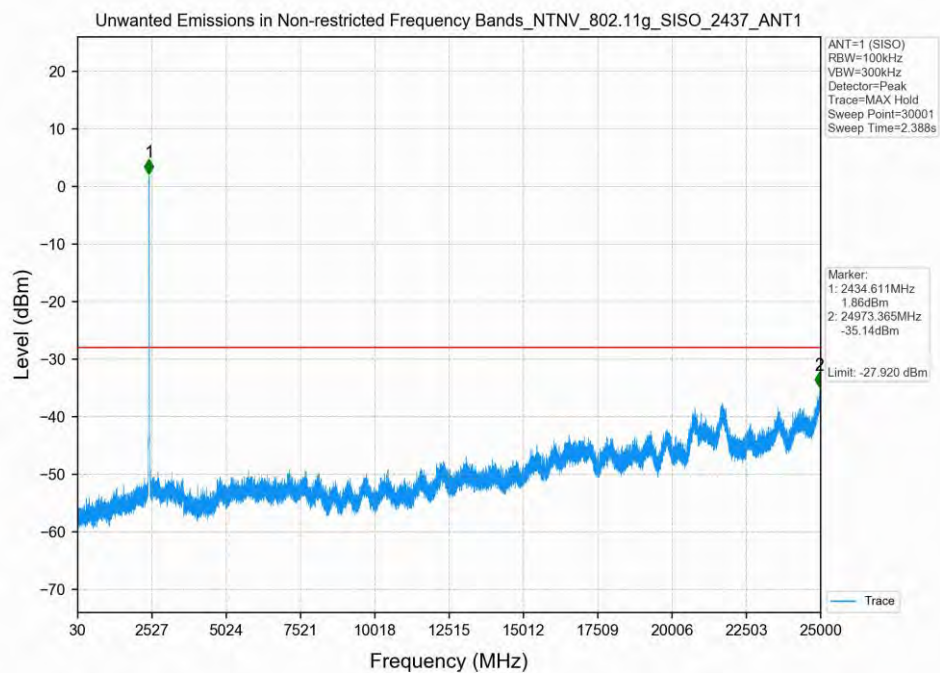
802.11g\_2412MHz\_SISO\_ANT2



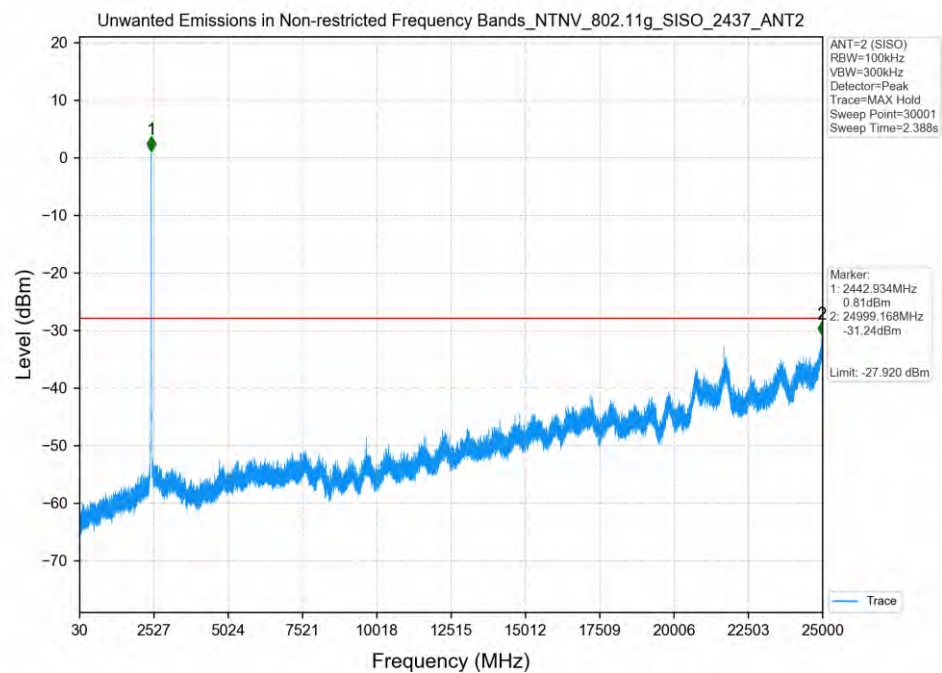
802.11g\_2412MHz\_SISO\_ANT2



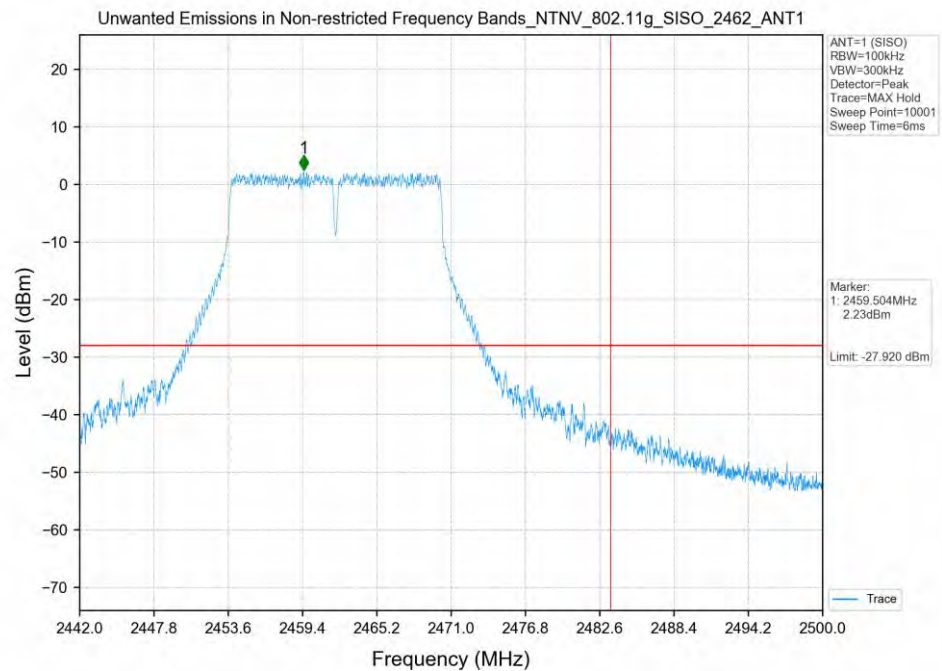
802.11g\_2437MHz\_SISO\_ANT1



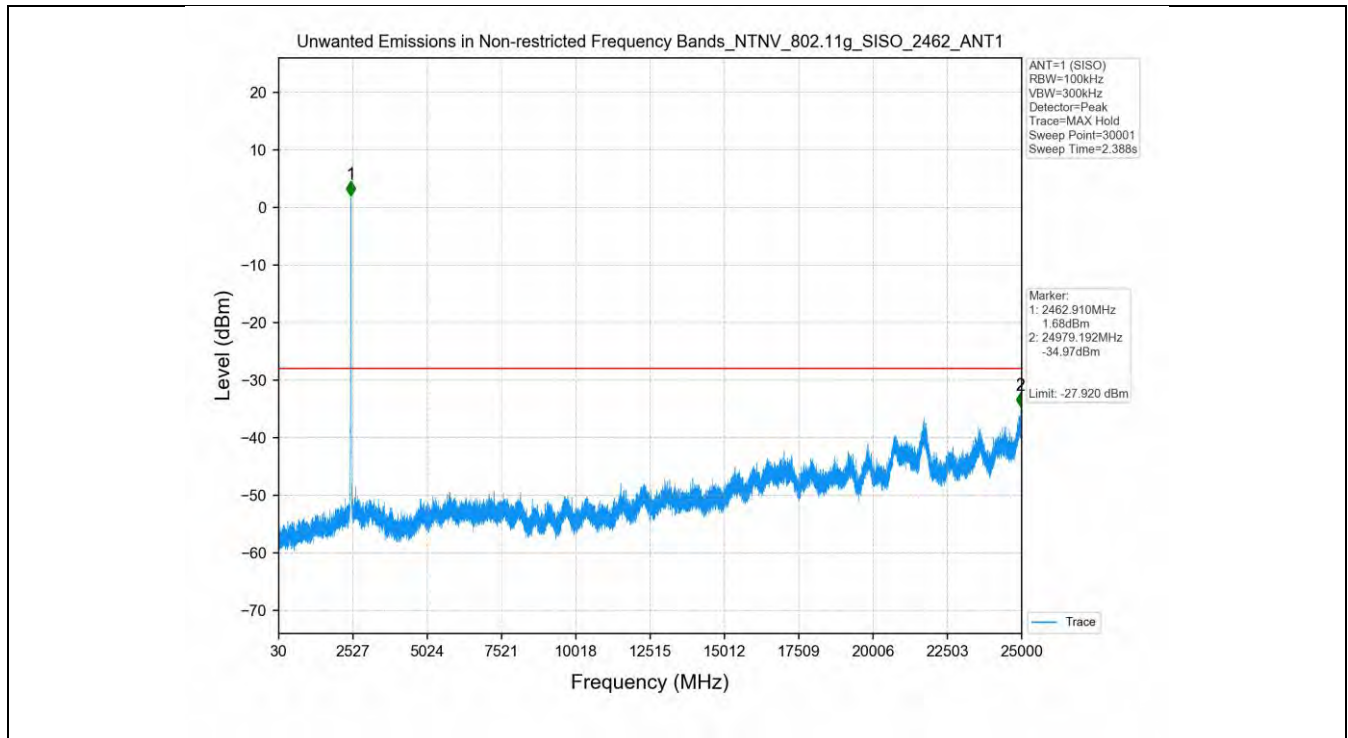
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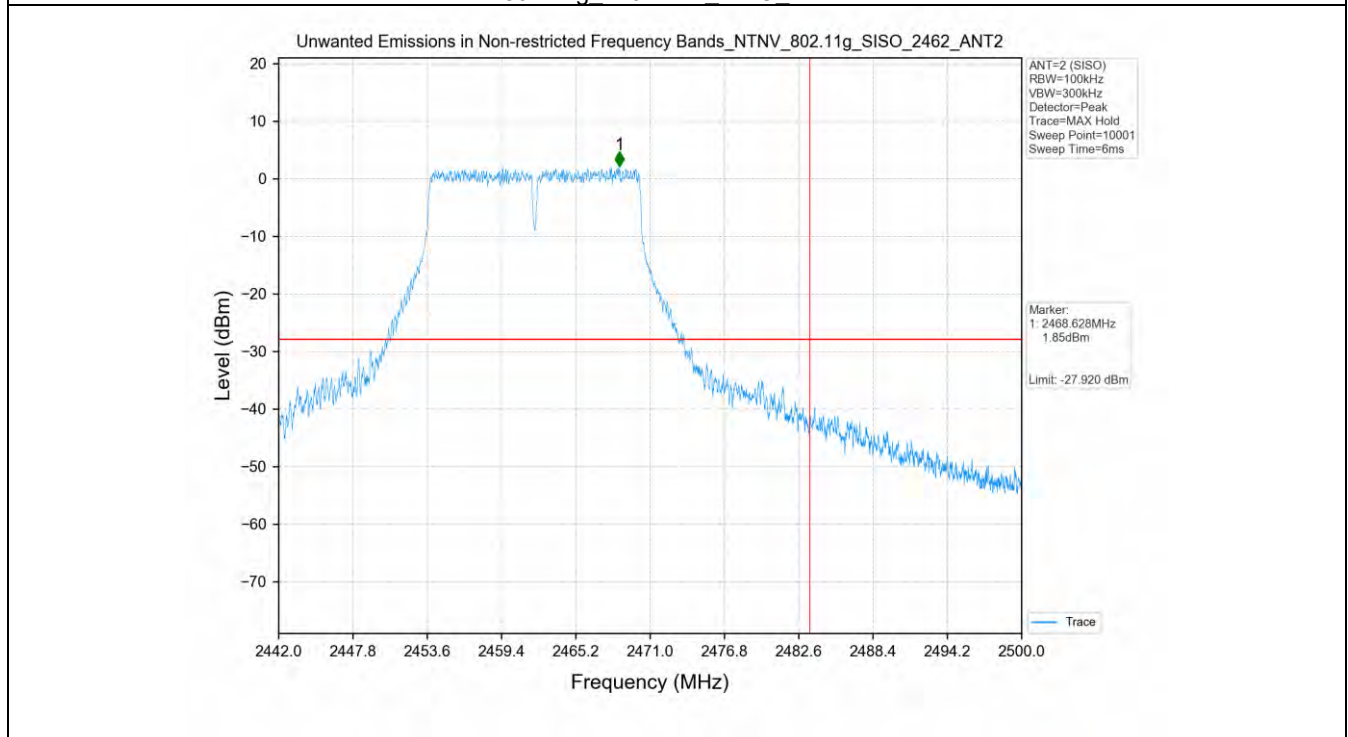
802.11g\_2462MHz\_SISO\_ANT1



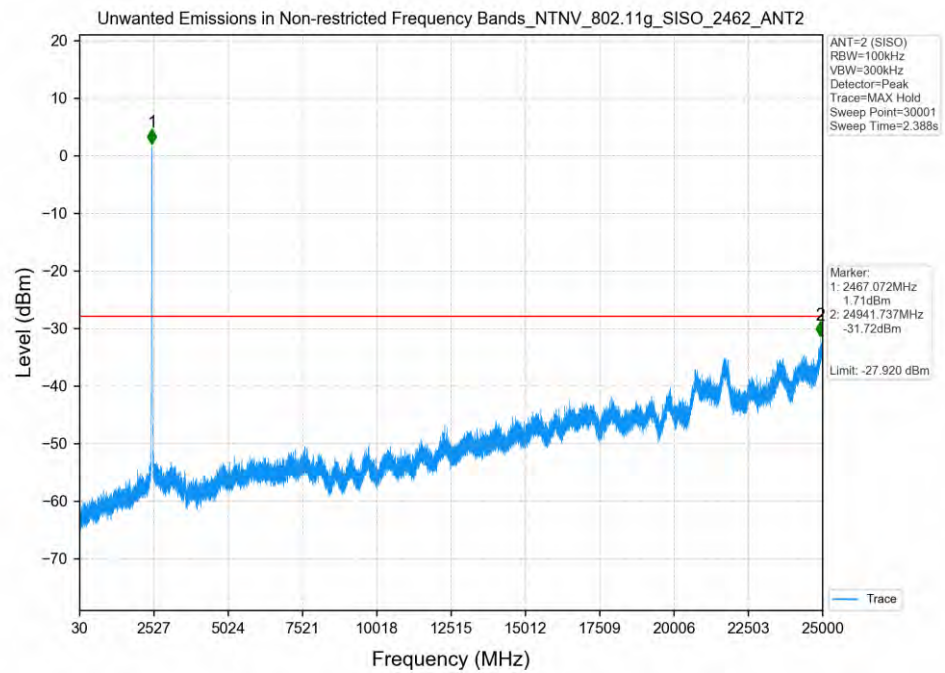
802.11g\_2462MHz\_SISO\_ANT1



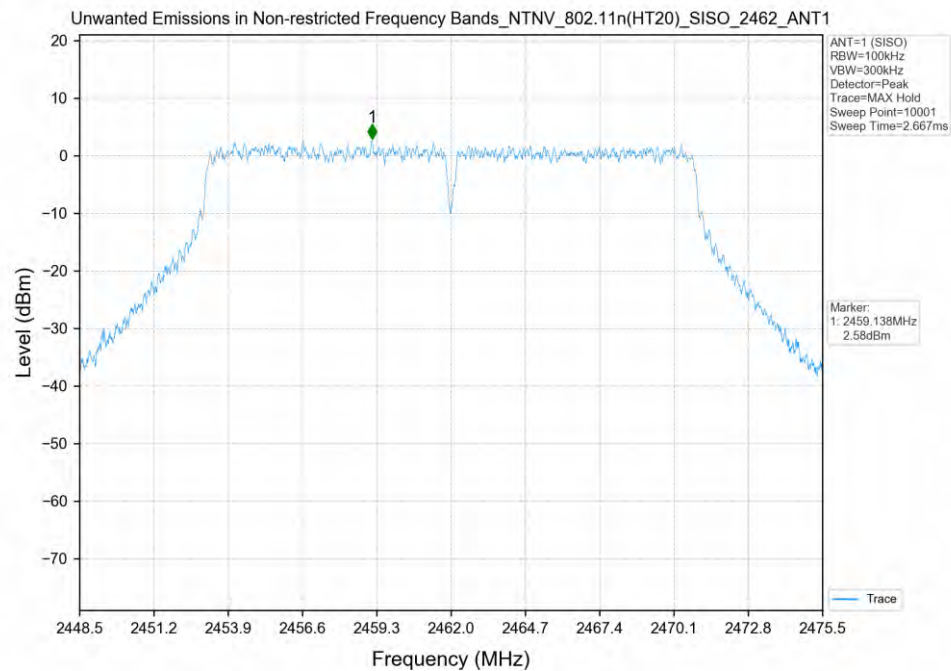
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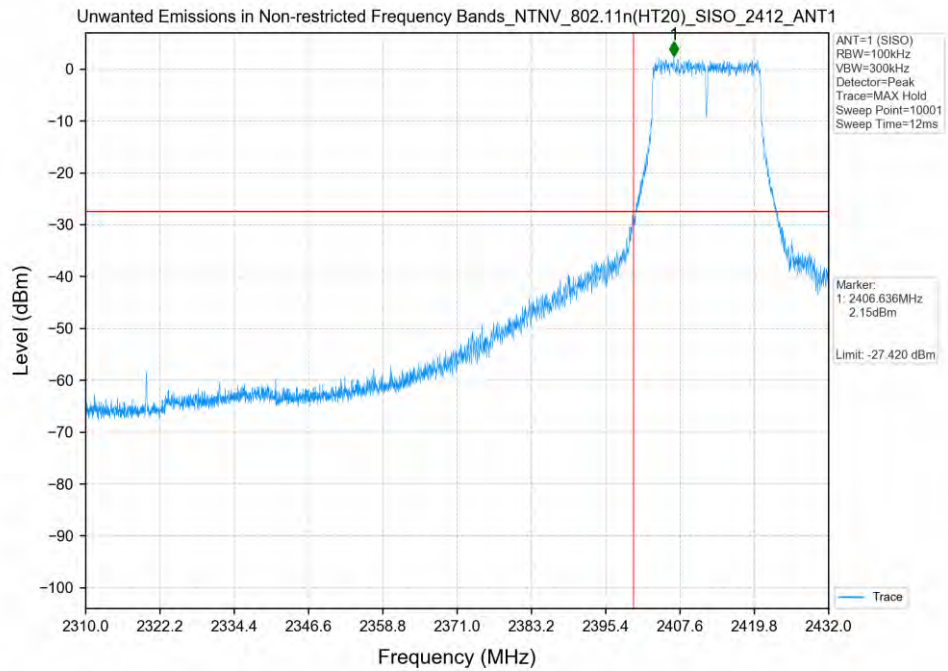
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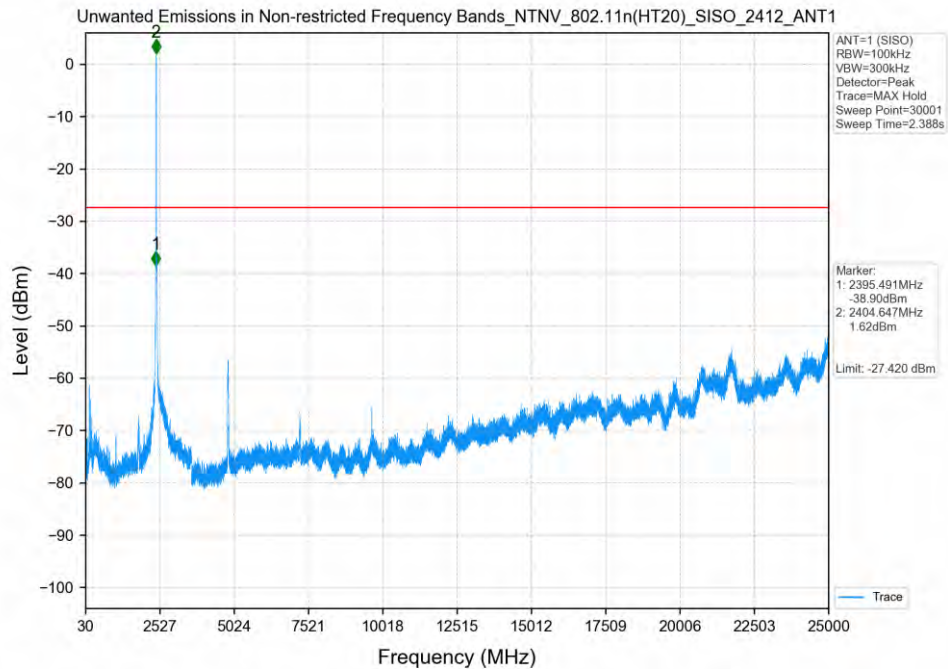
802.11n(HT20)\_SISO ANT1\_REF



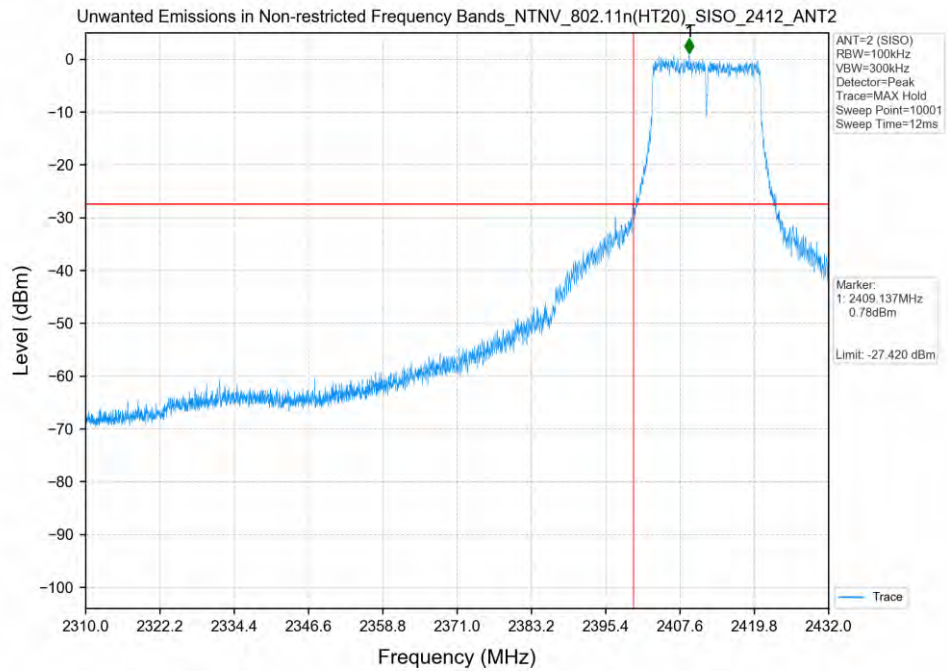
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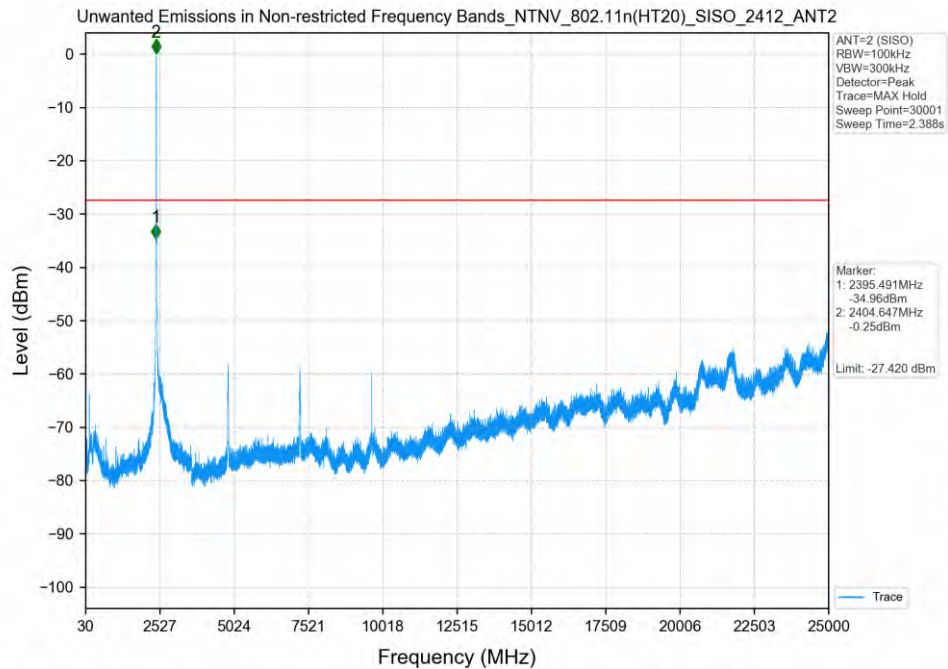
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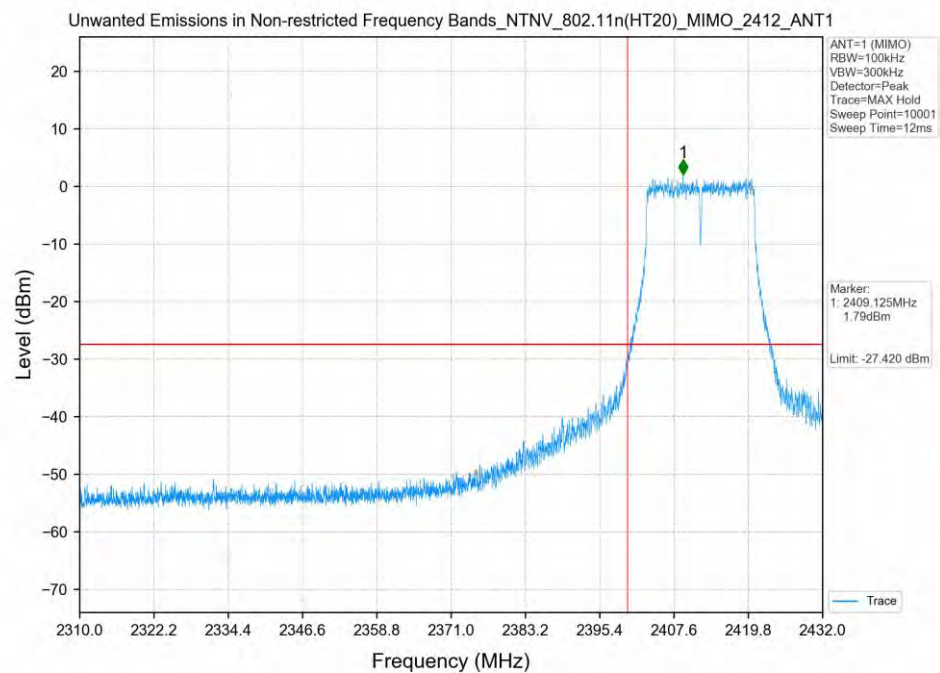
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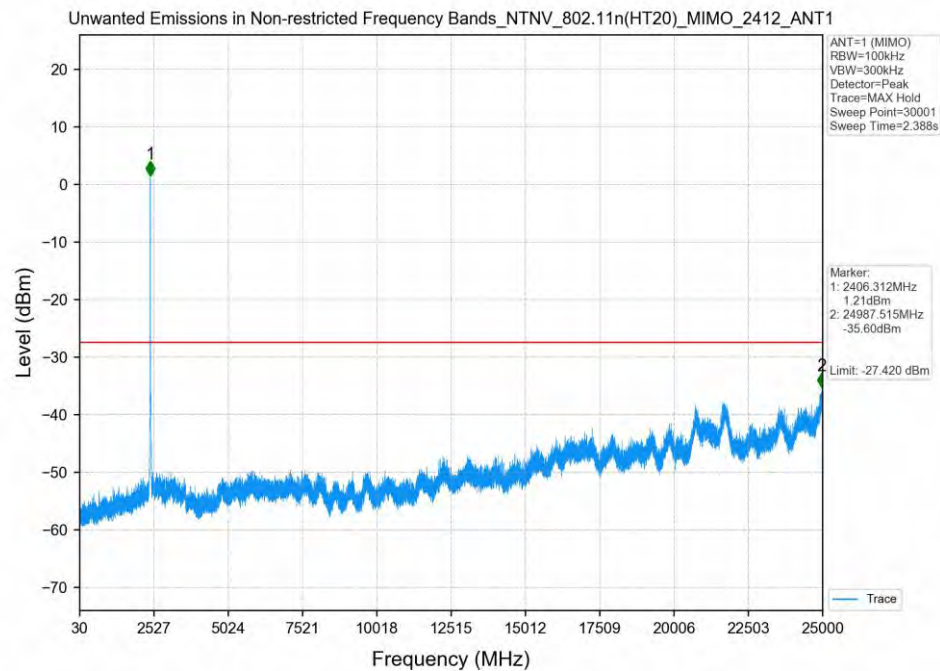
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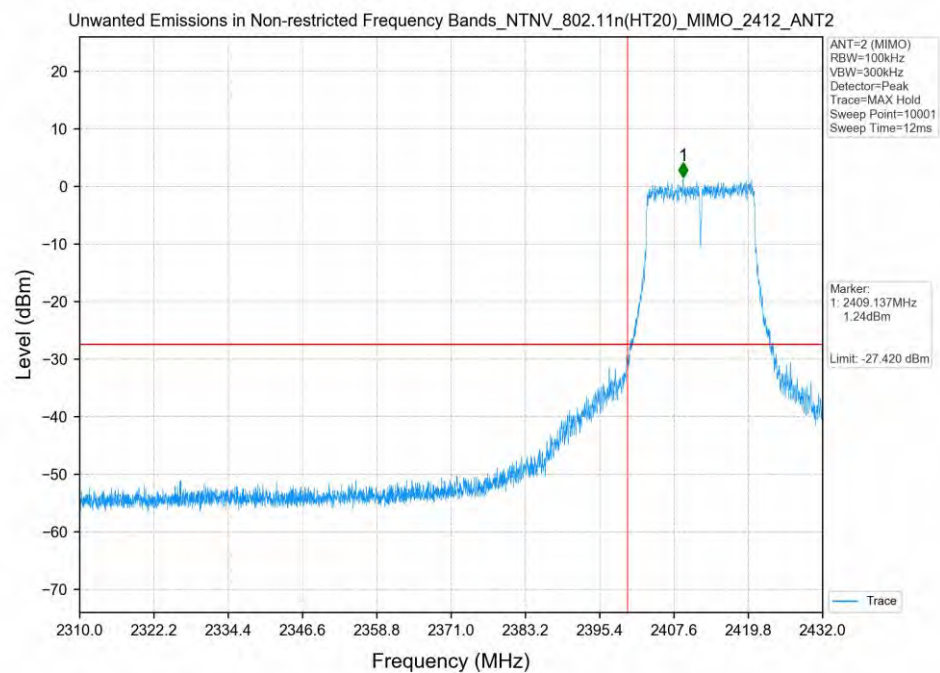
802.11n(HT20)\_2412MHz\_MIMO\_Total



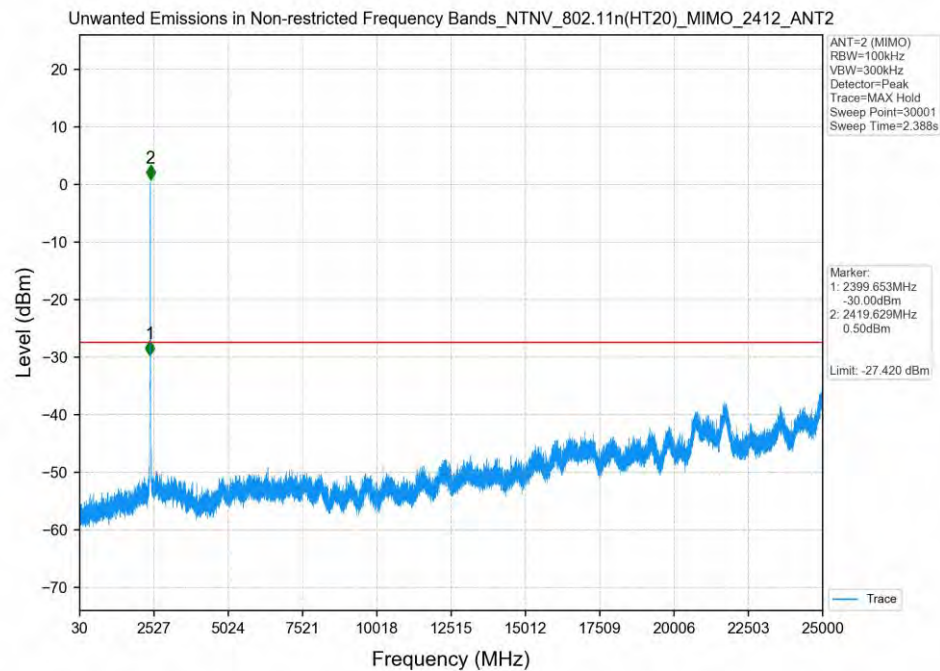
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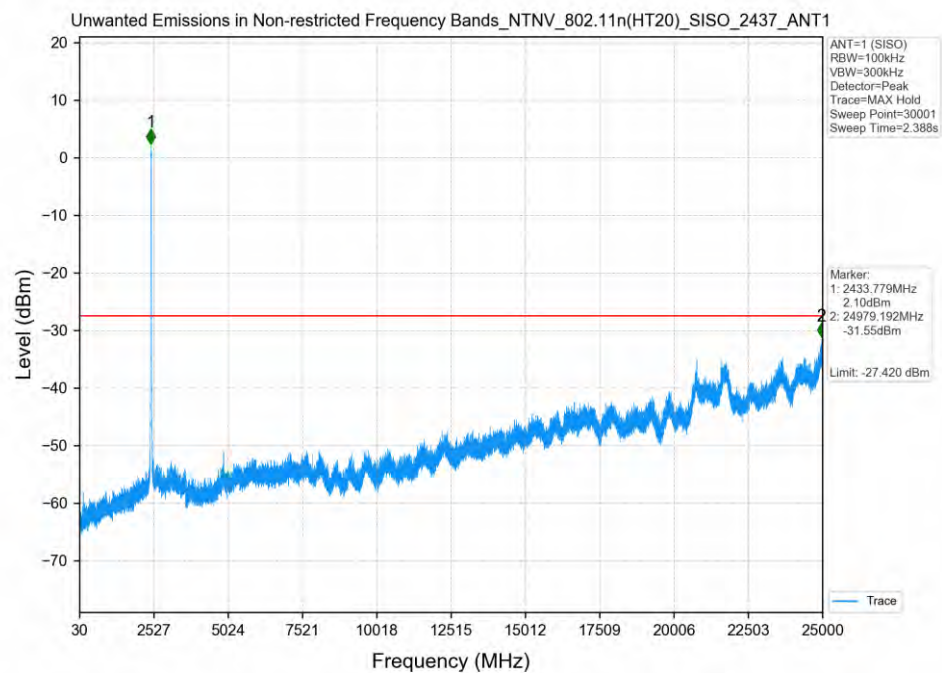
802.11n(HT20)\_2412MHz\_MIMO\_Total



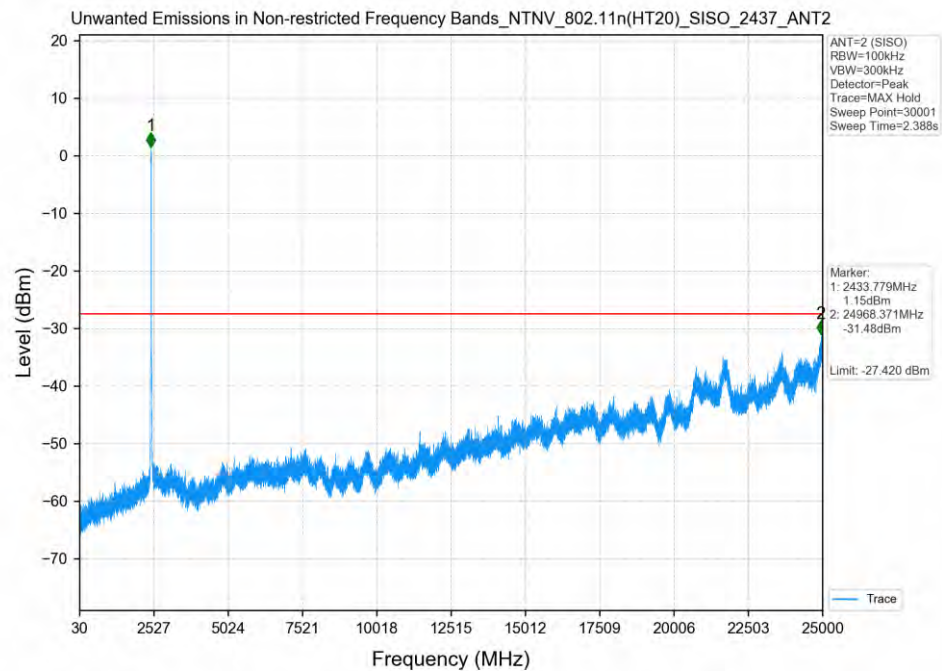
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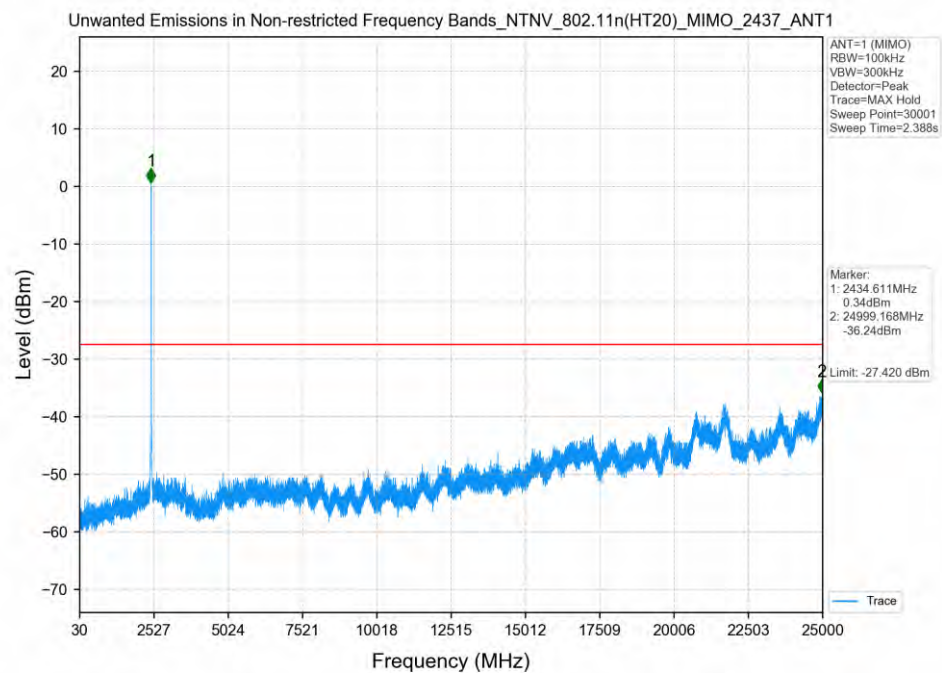
802.11n(HT20)\_2437MHz\_SISO\_ANT1



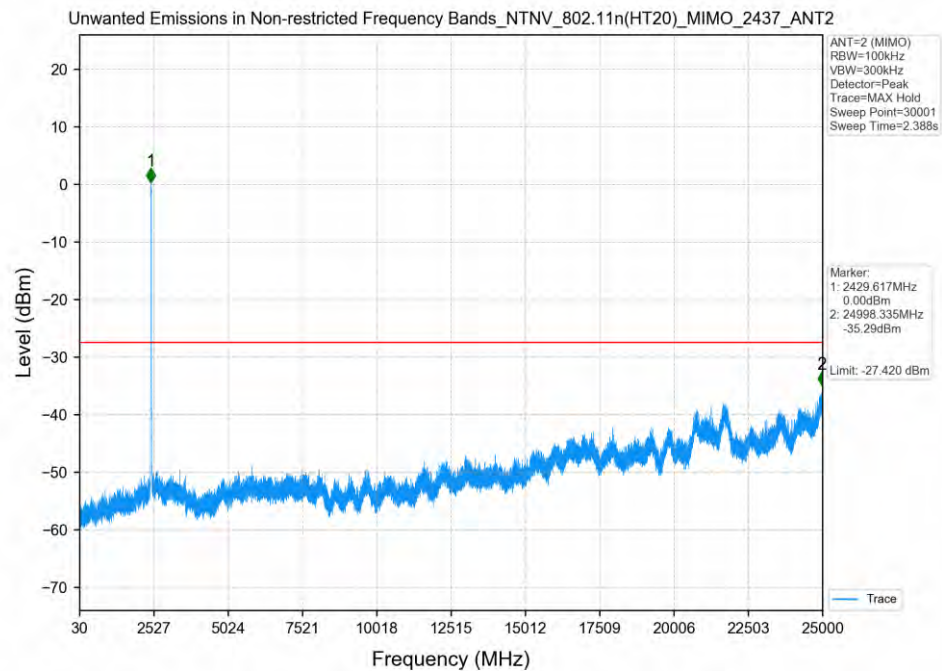
802.11n(HT20)\_2437MHz\_SISO\_ANT2



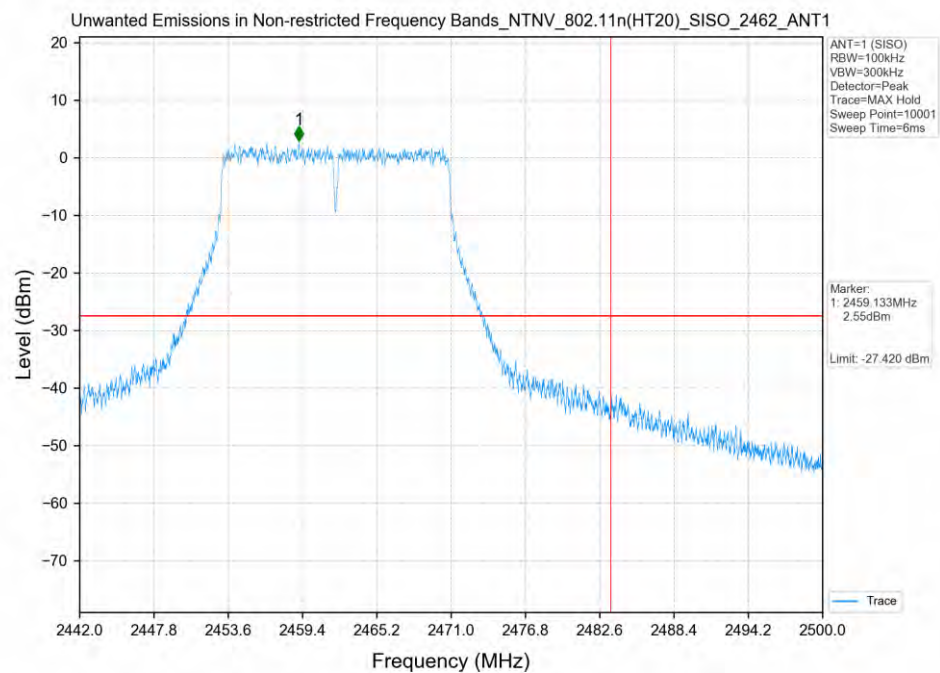
802.11n(HT20)\_2437MHz\_MIMO\_Total



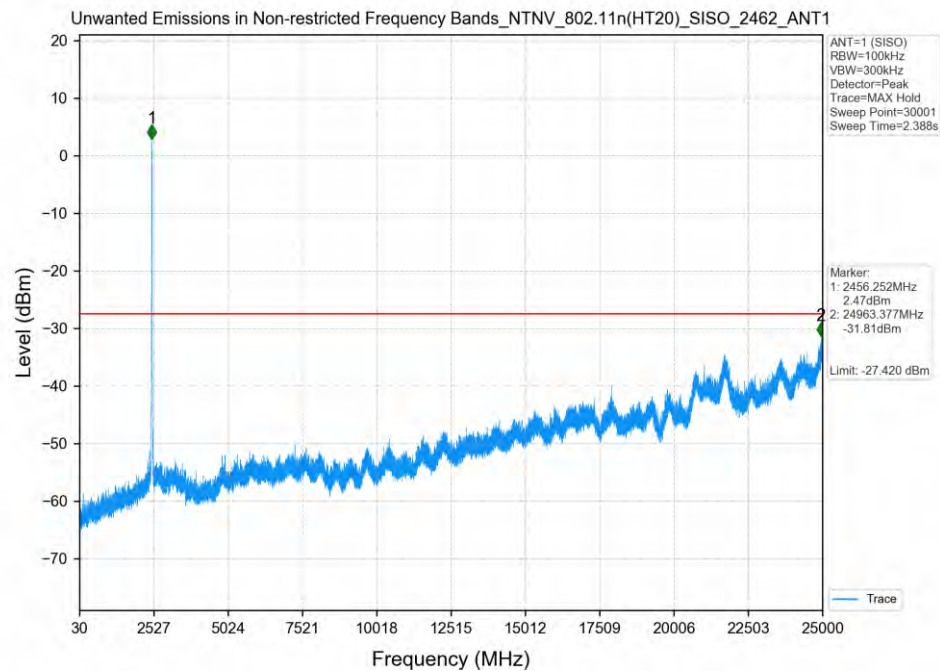
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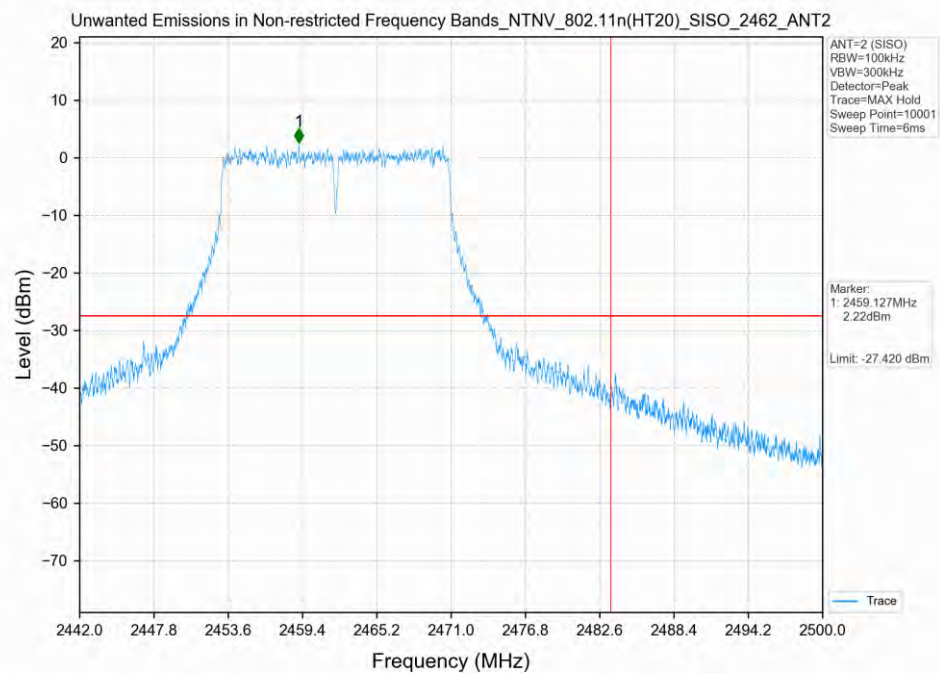
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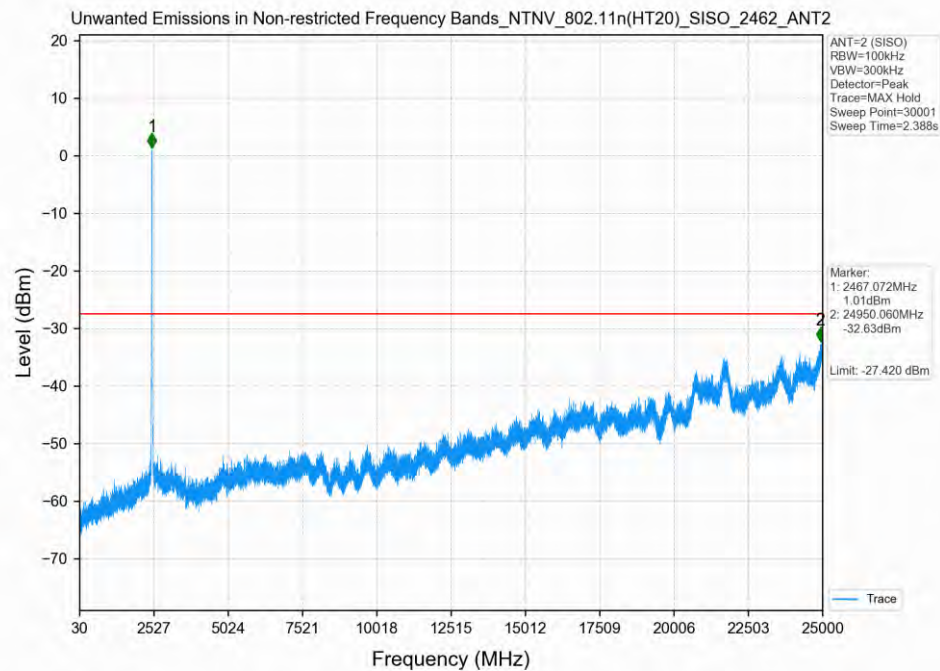
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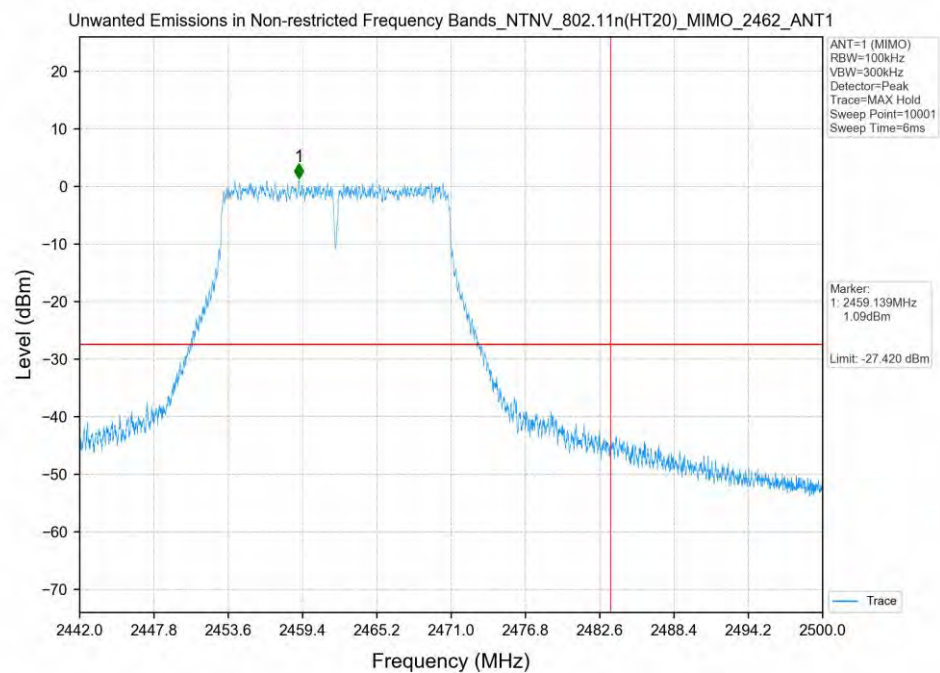
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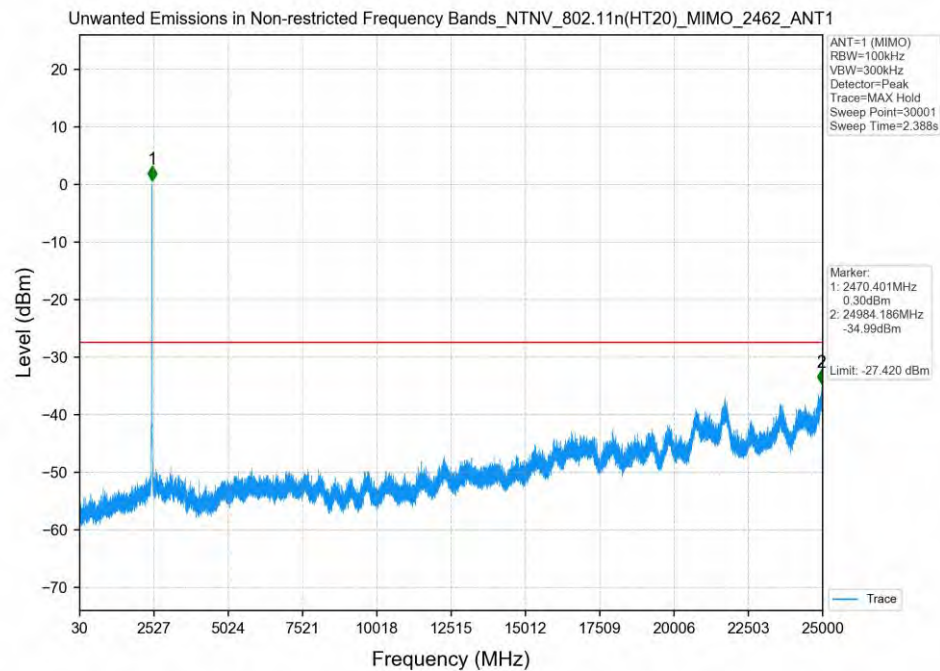
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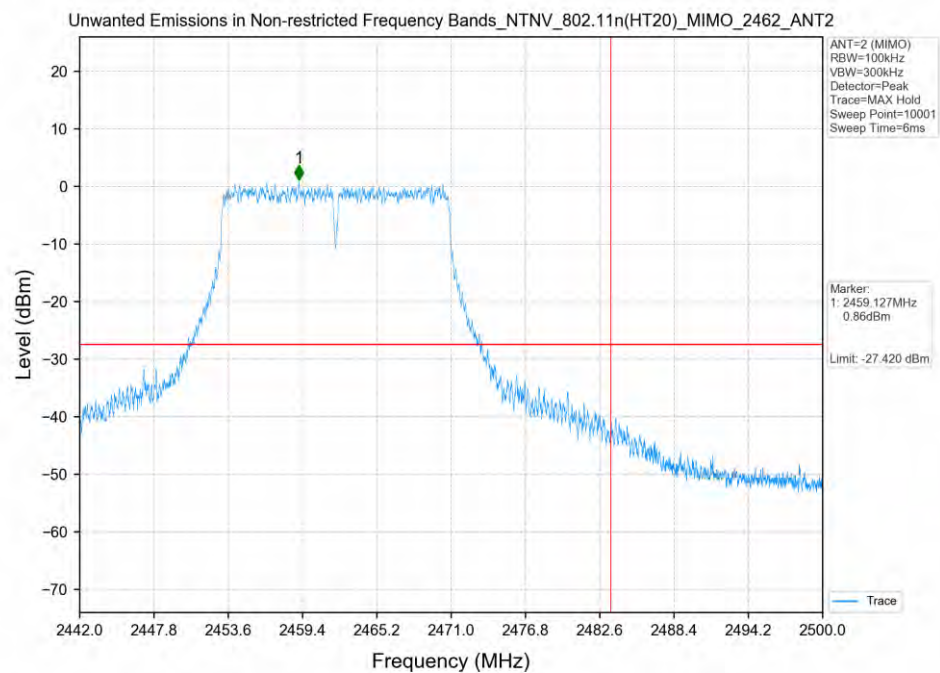
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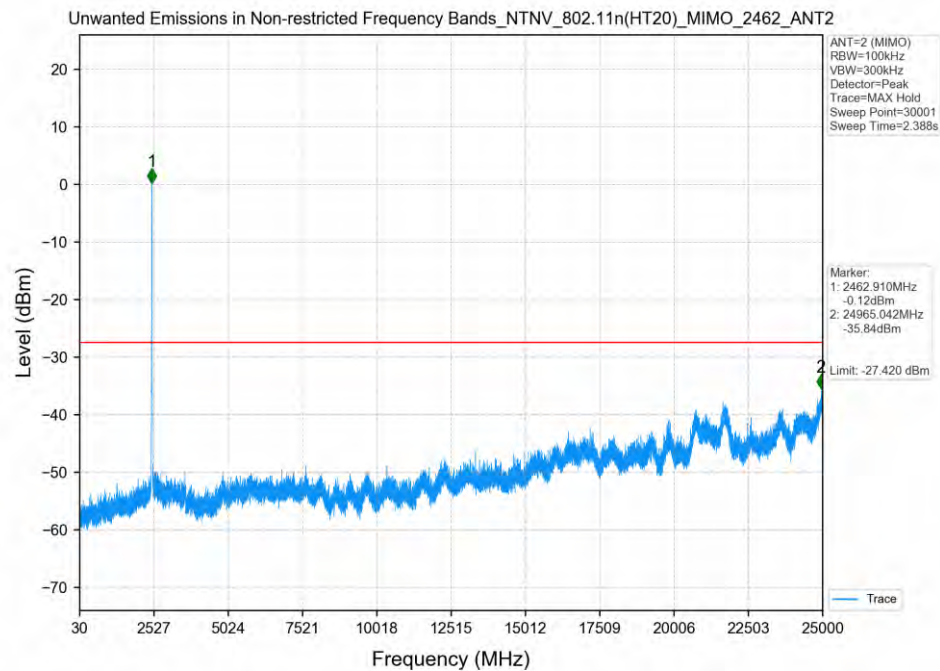
802.11n(HT20)\_2462MHz\_MIMO\_Total



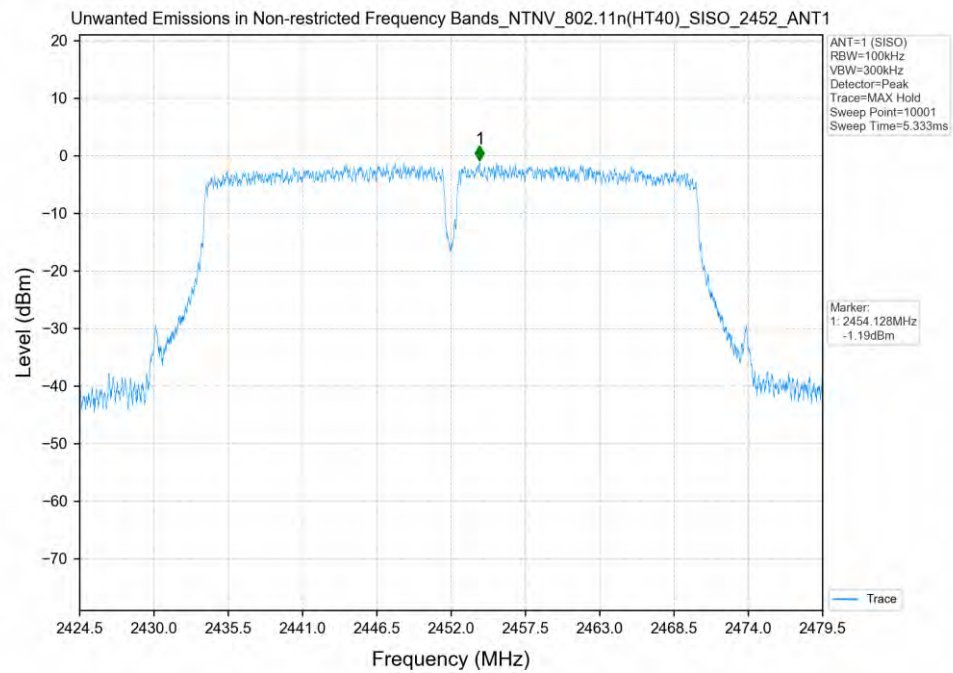
802.11n(HT20)\_2462MHz\_MIMO\_Total



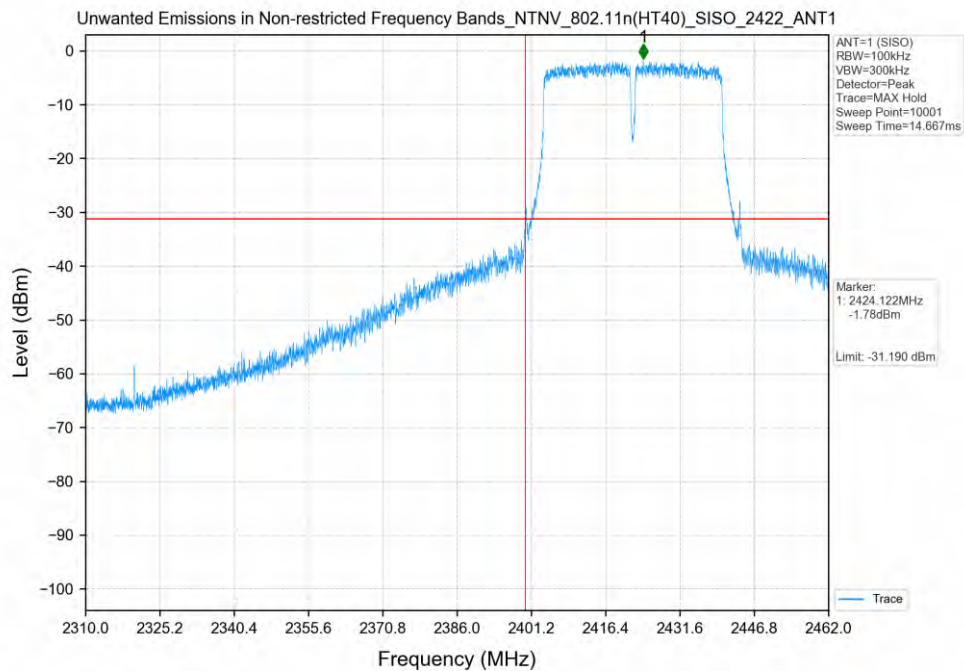
802.11n(HT20) 2462MHz MIMO Total



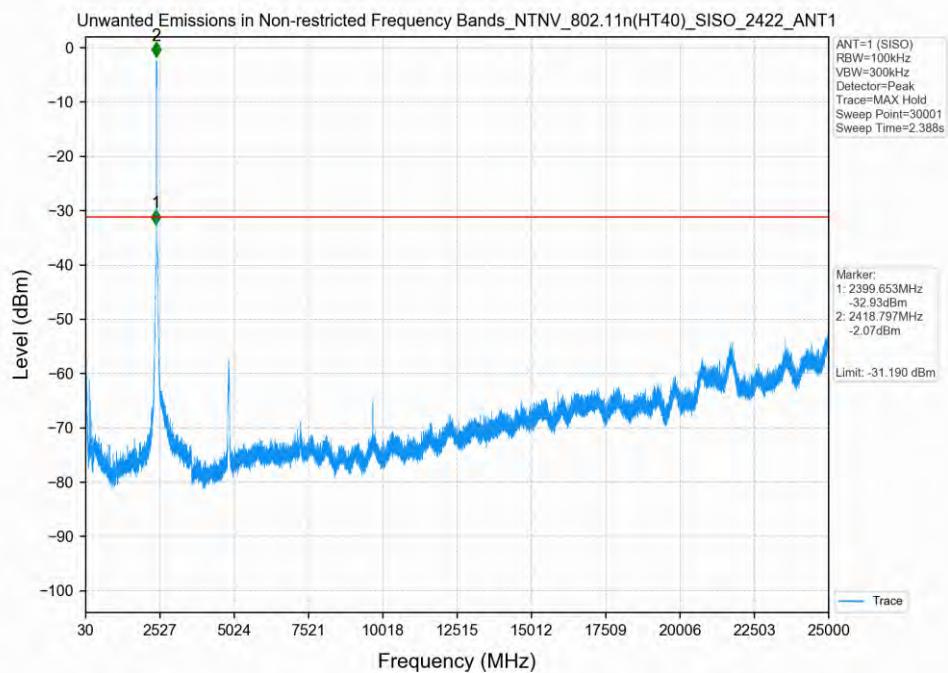
802.11n(HT40)\_SISO\_ANT1\_REF



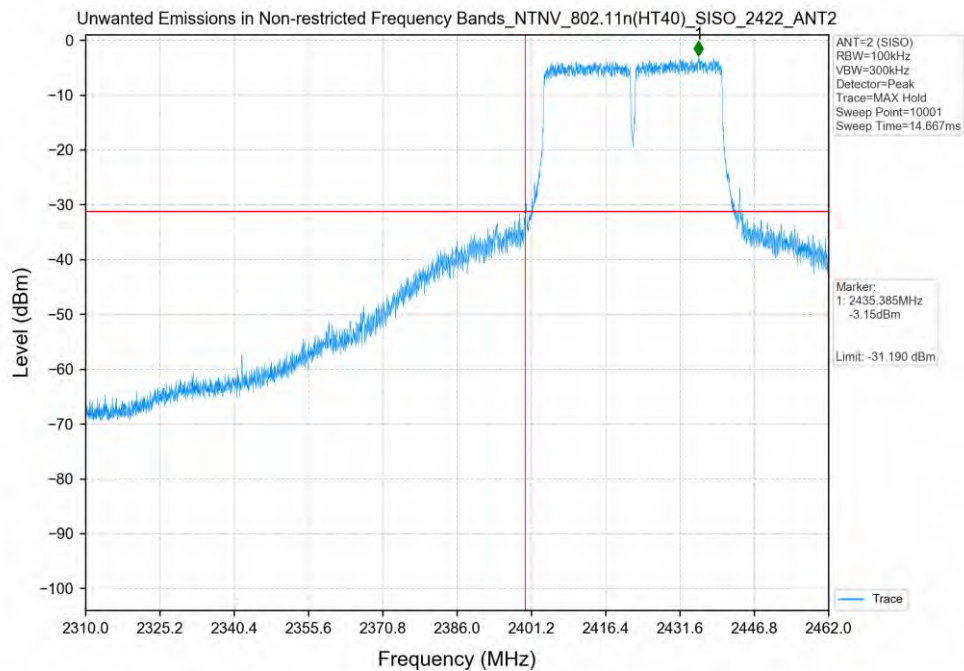
802.11n(HT40)\_2422MHz\_SISO\_ANT1



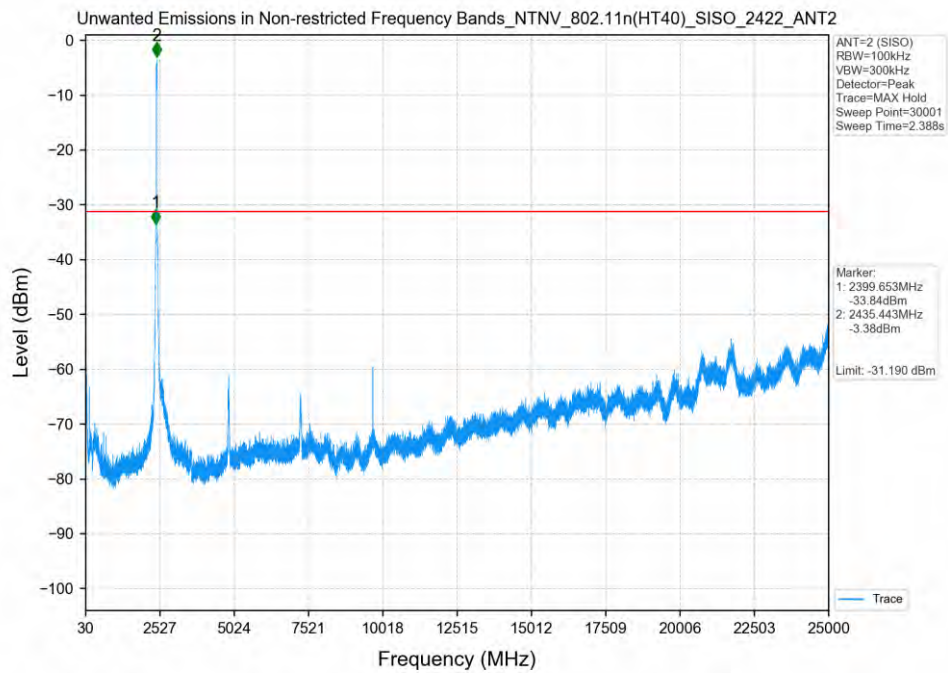
802.11n(HT40)\_2422MHz\_SISO\_ANT1



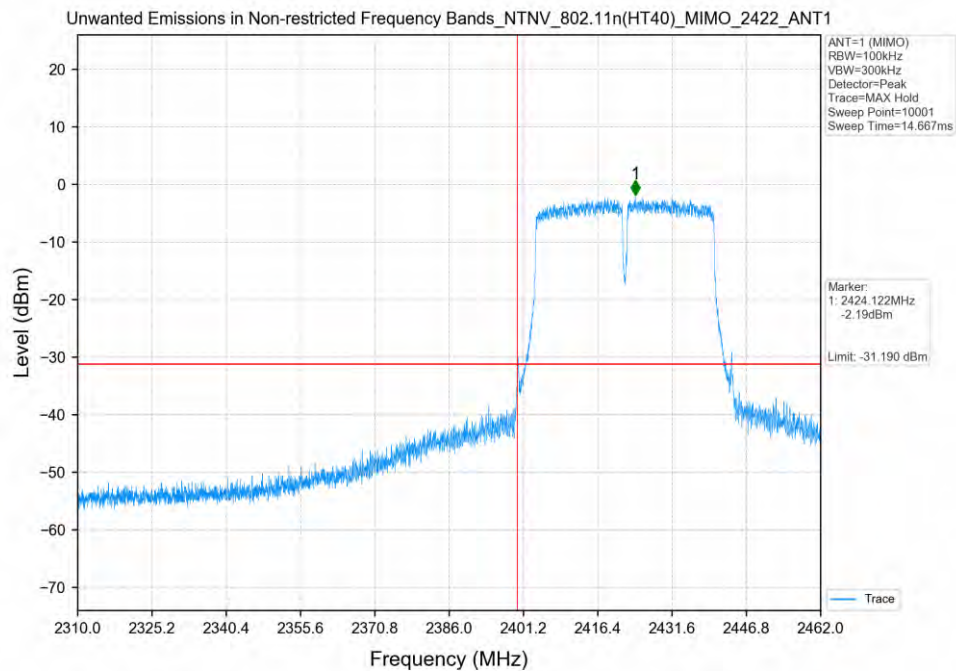
802.11n(HT40)\_2422MHz\_SISO\_ANT2



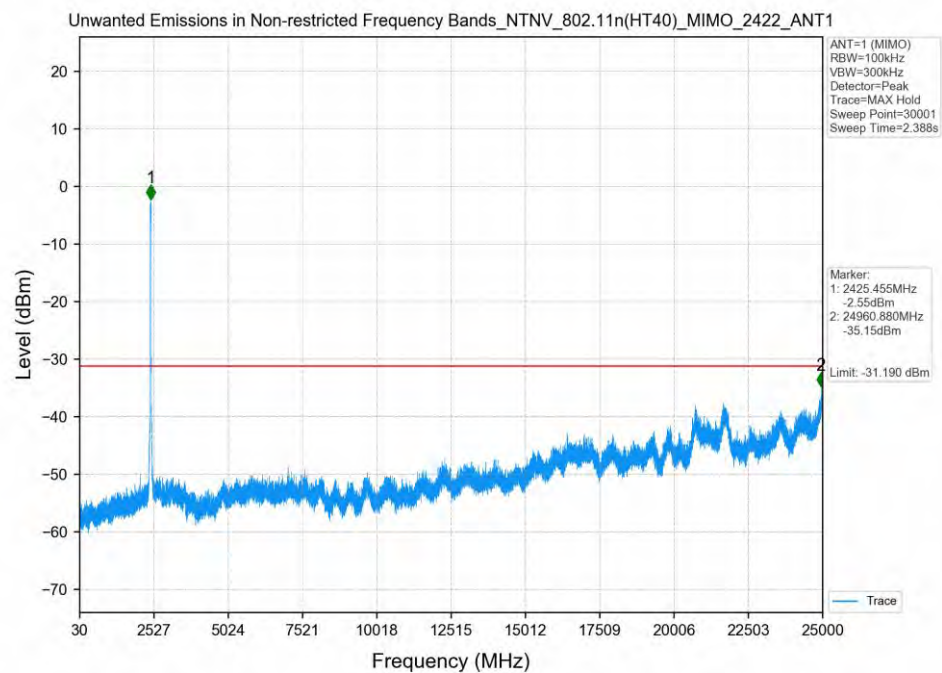
802.11n(HT40)\_2422MHz\_SISO\_ANT2



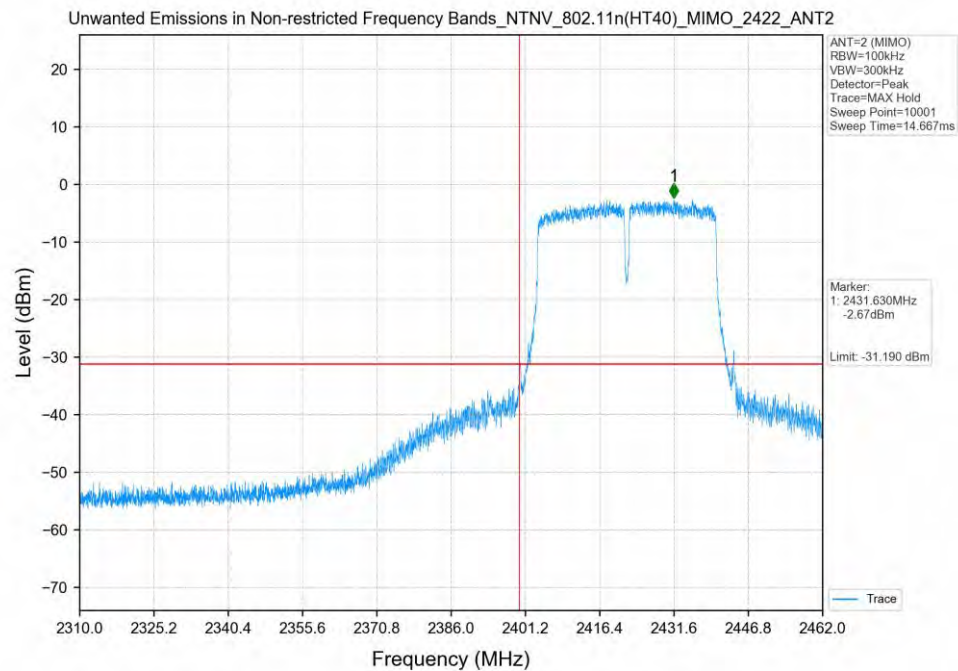
802.11n(HT40)\_2422MHz\_MIMO\_Total



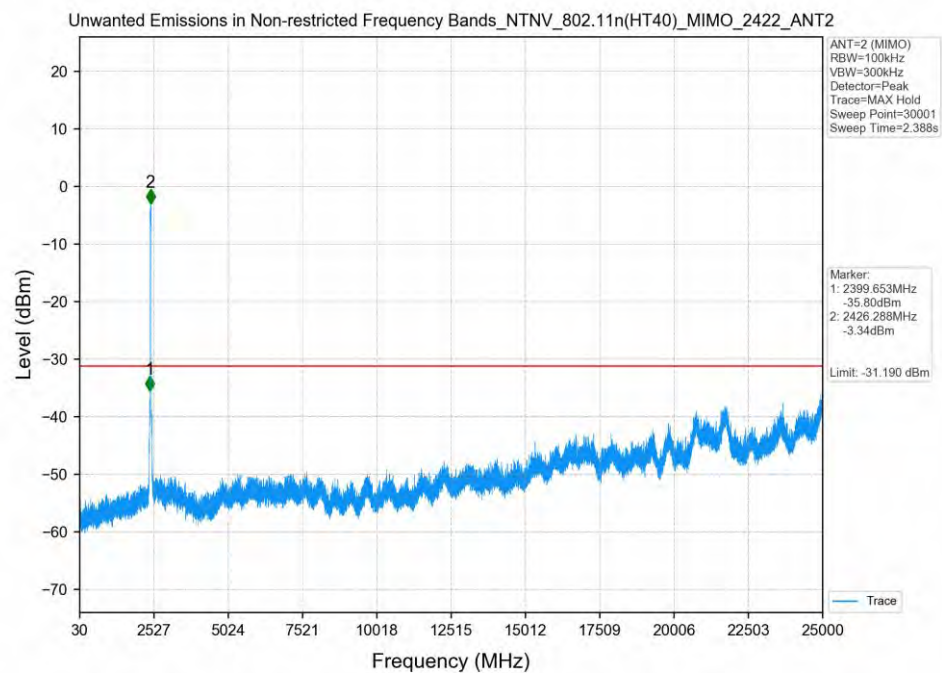
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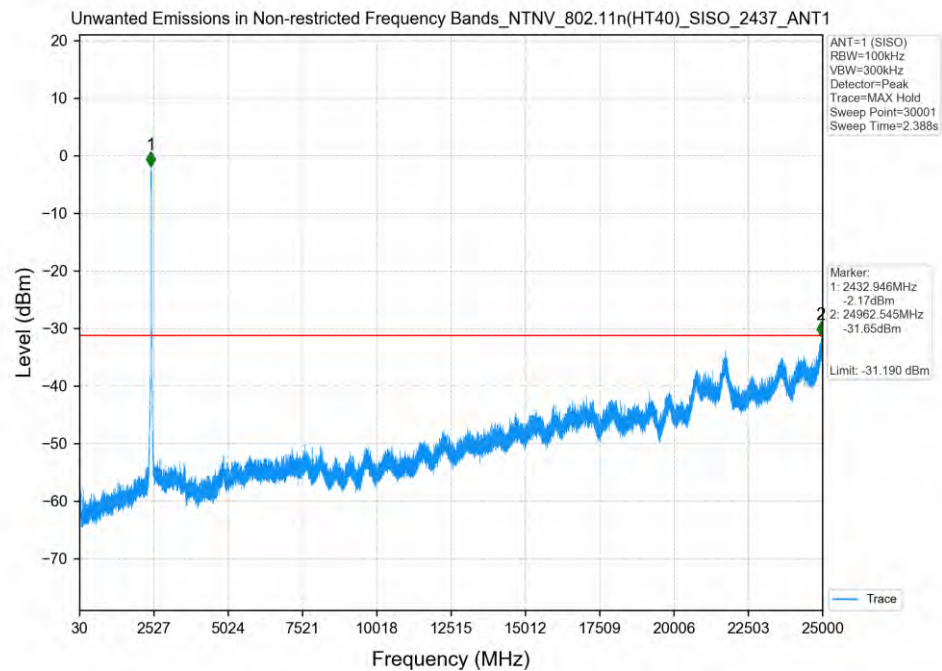
802.11n(HT40)\_2422MHz\_MIMO\_Total



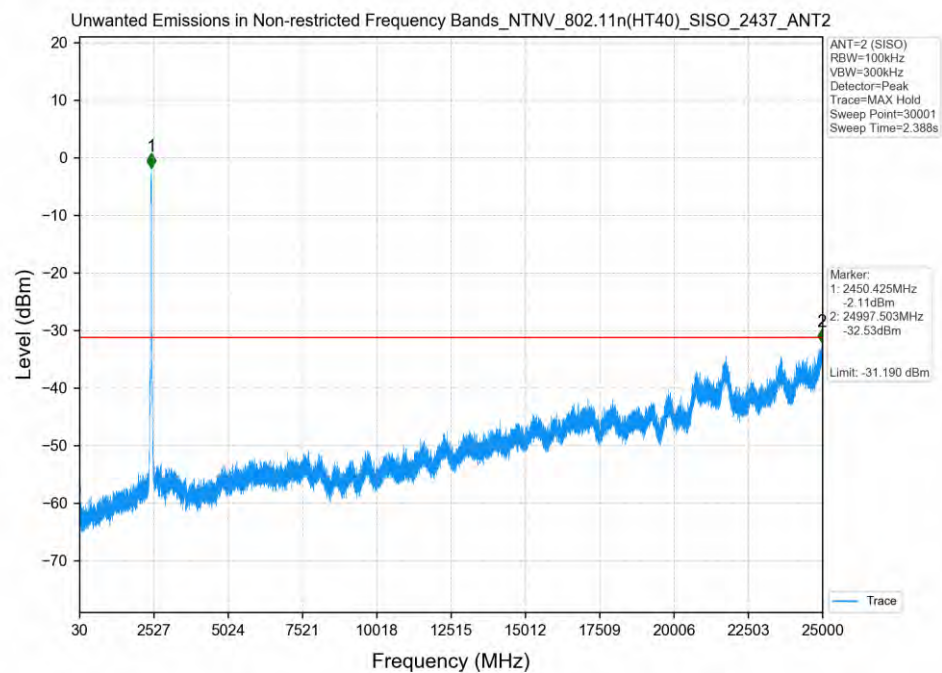
802.11n(HT40)\_2422MHz\_MIMO\_Total



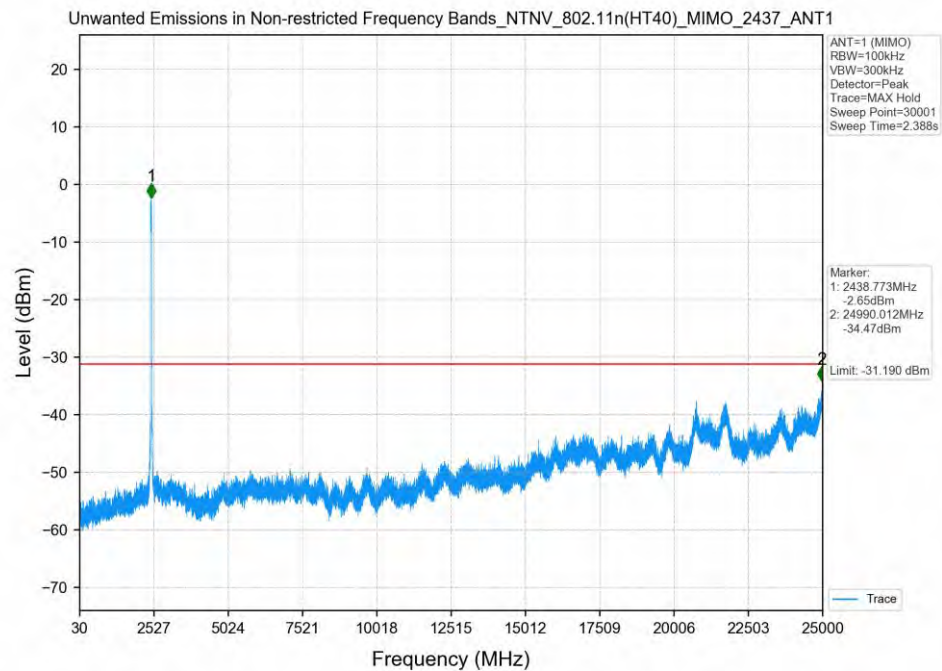
802.11n(HT40)\_2437MHz\_SISO\_ANT1



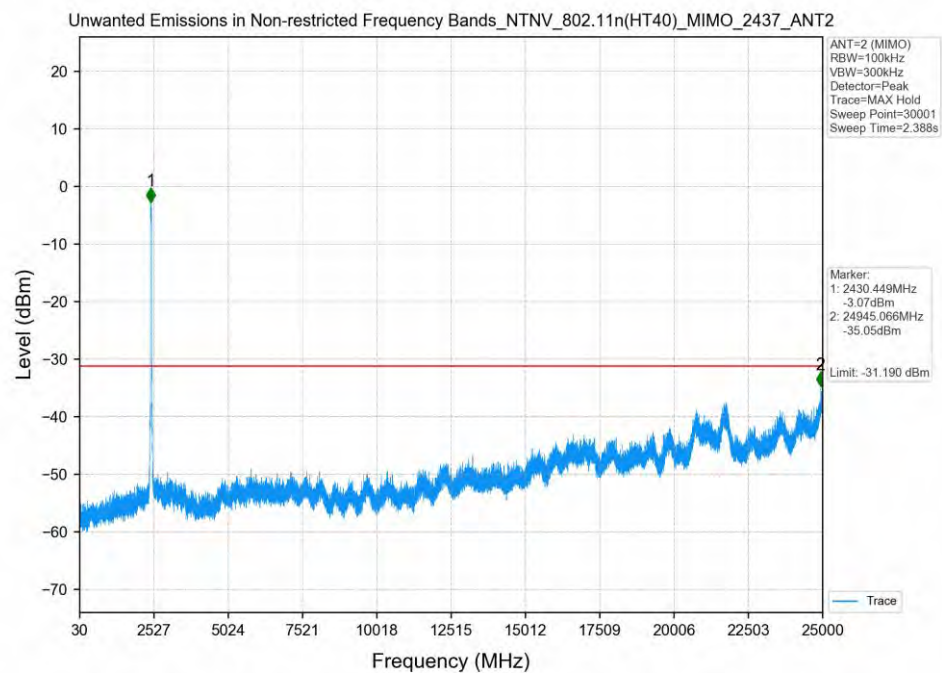
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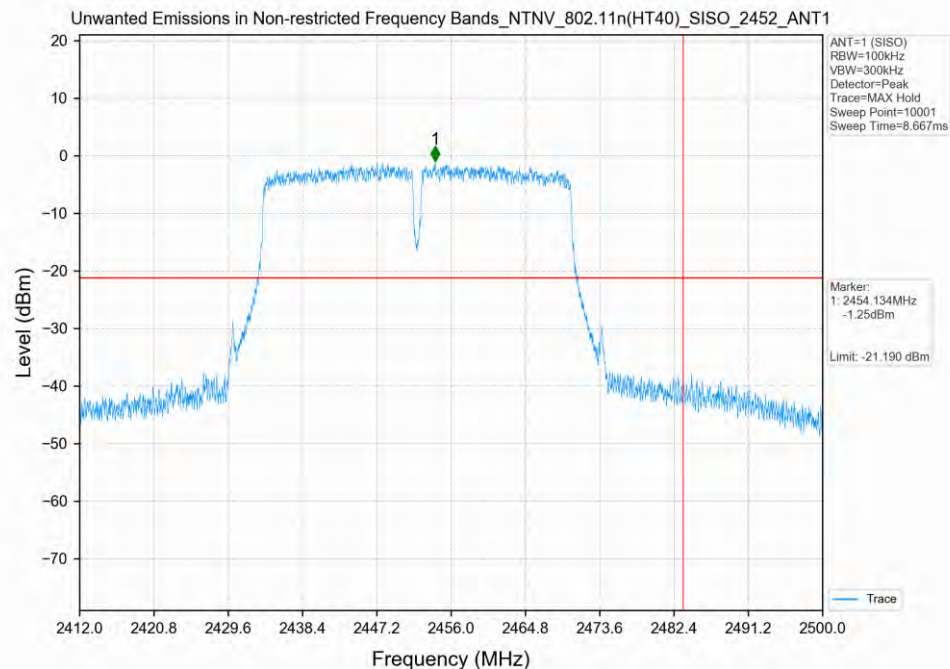
802.11n(HT40)\_2437MHz\_MIMO\_Total



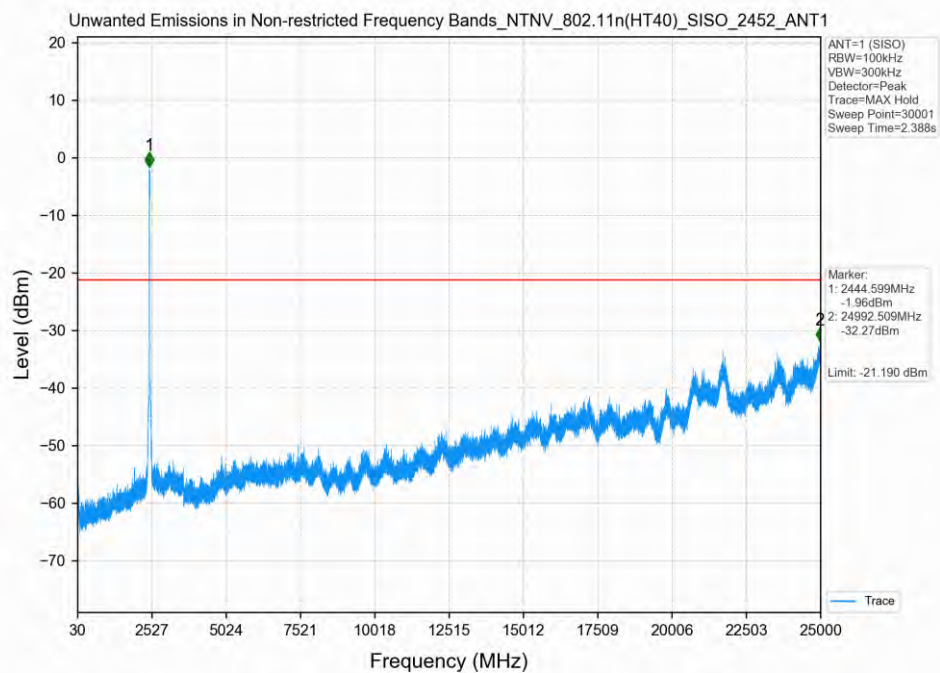
802.11n(HT40)\_2437MHz\_MIMO\_Total



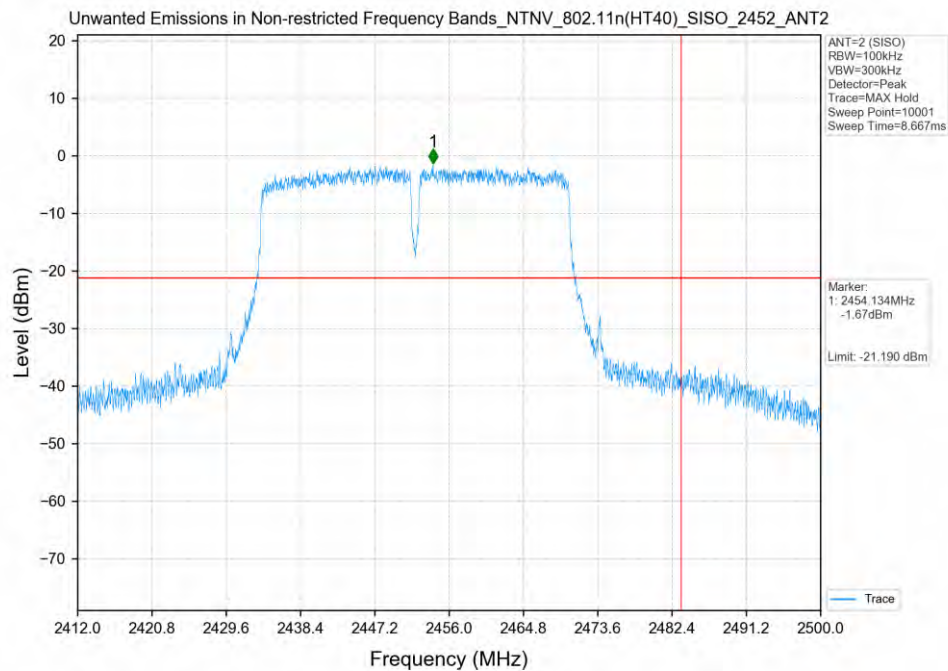
802.11n(HT40)\_2452MHz\_SISO\_ANT1



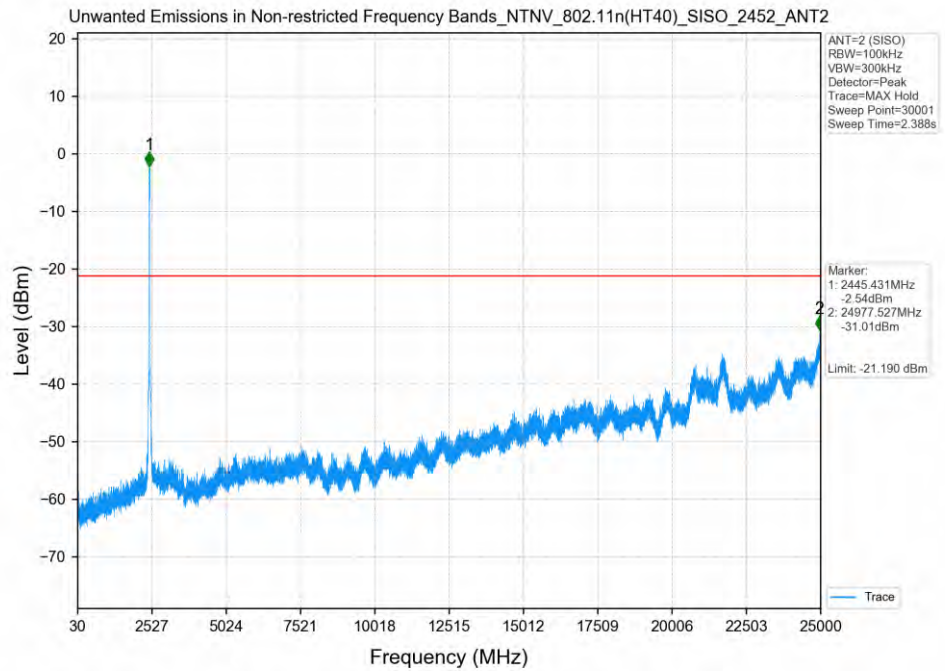
802.11n(HT40)\_2452MHz\_SISO\_ANT1



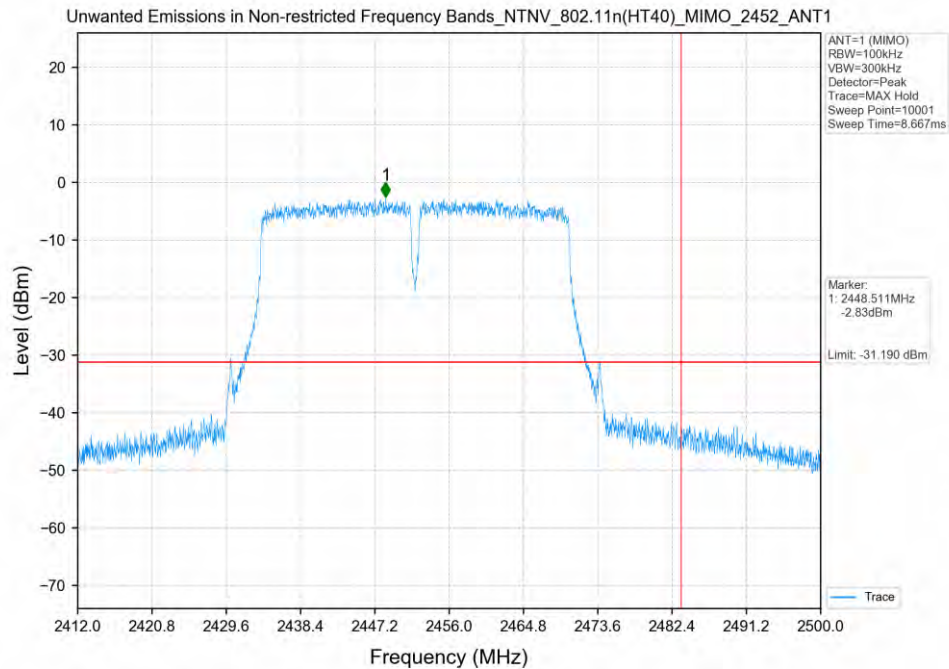
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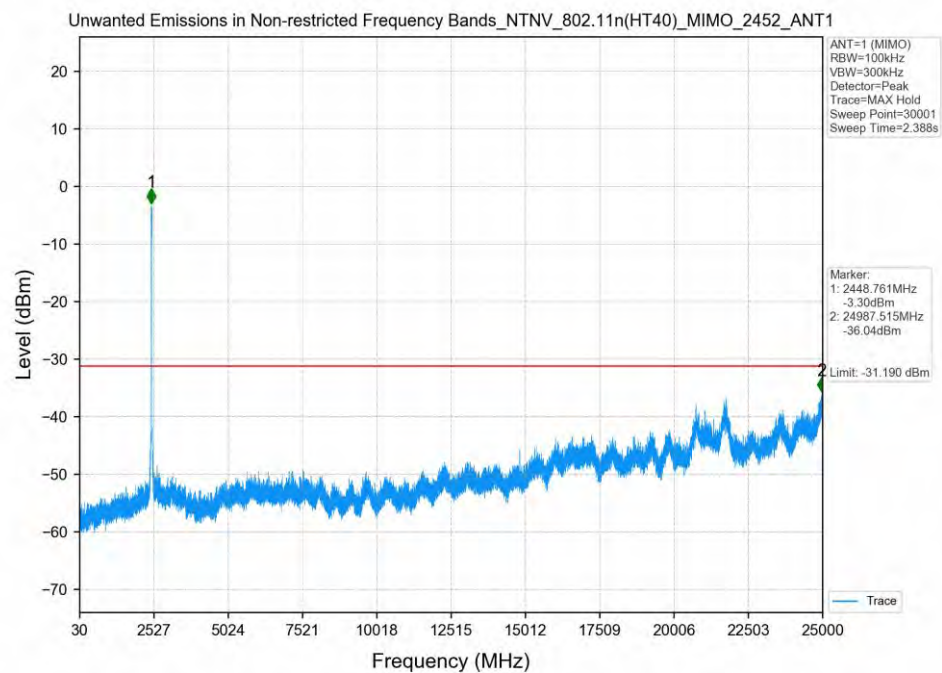
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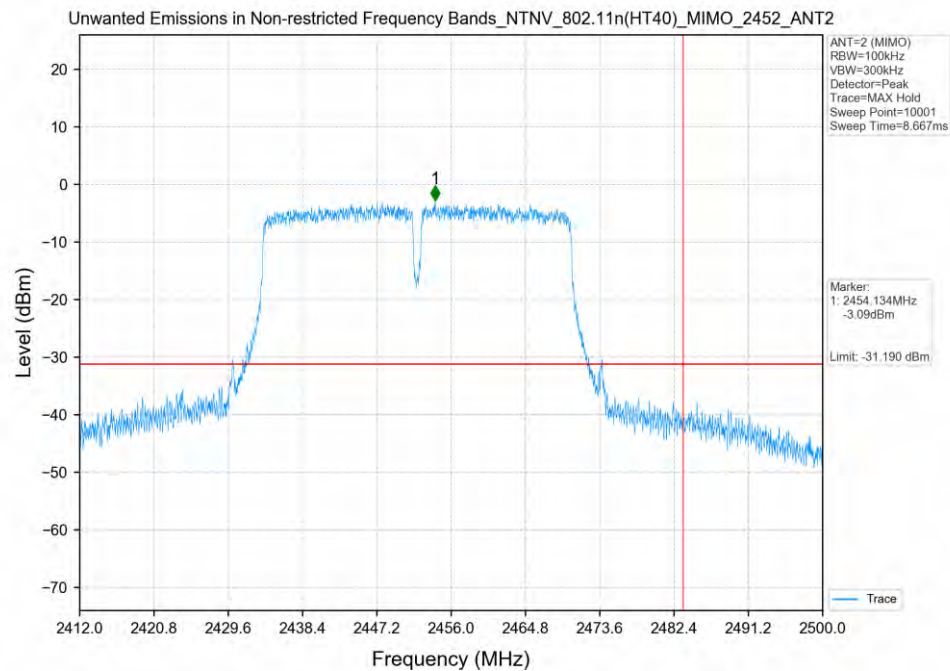
802.11n(HT40)\_2452MHz\_MIMO\_Total



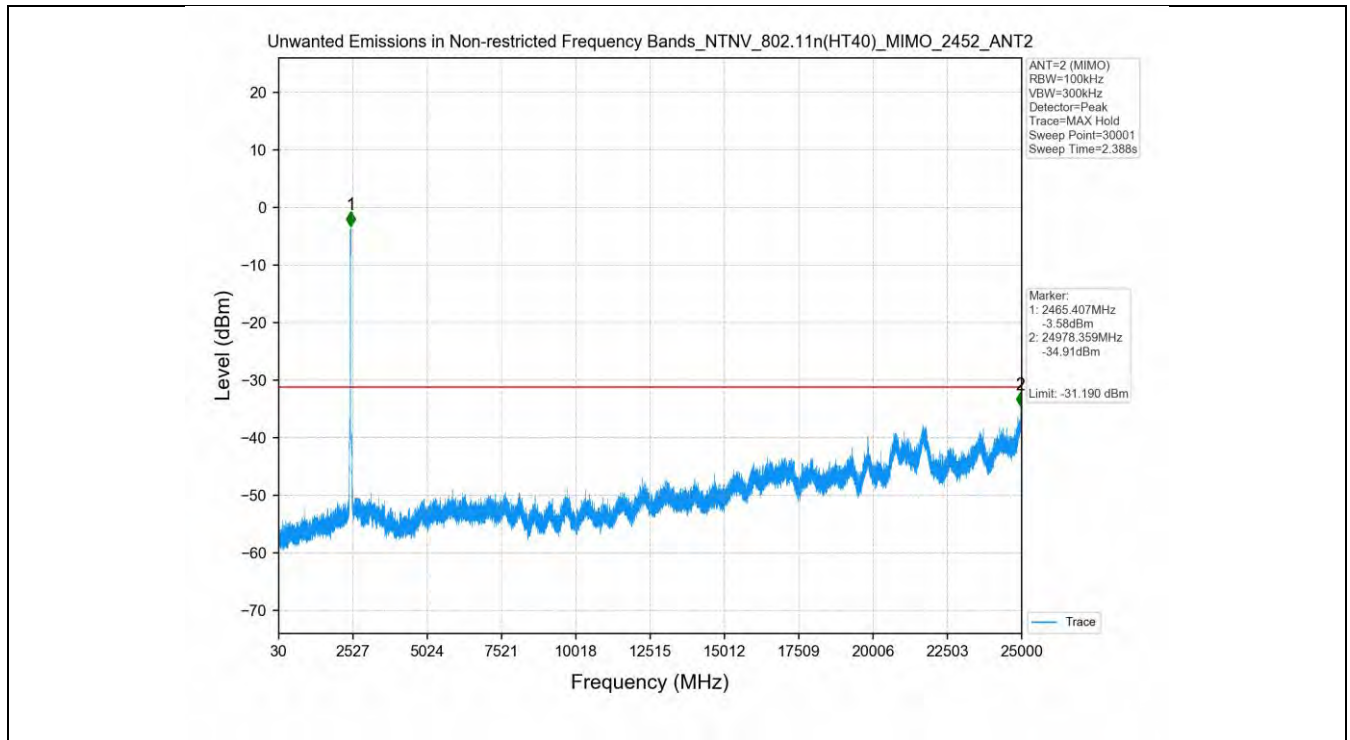
802.11n(HT40)\_2452MHz\_MIMO\_Total



802.11n(HT40)\_2452MHz\_MIMO\_Total



802.11n(HT40)\_2452MHz\_MIMO\_Total



## 6. Frequency Error

### 6.1 Test Result