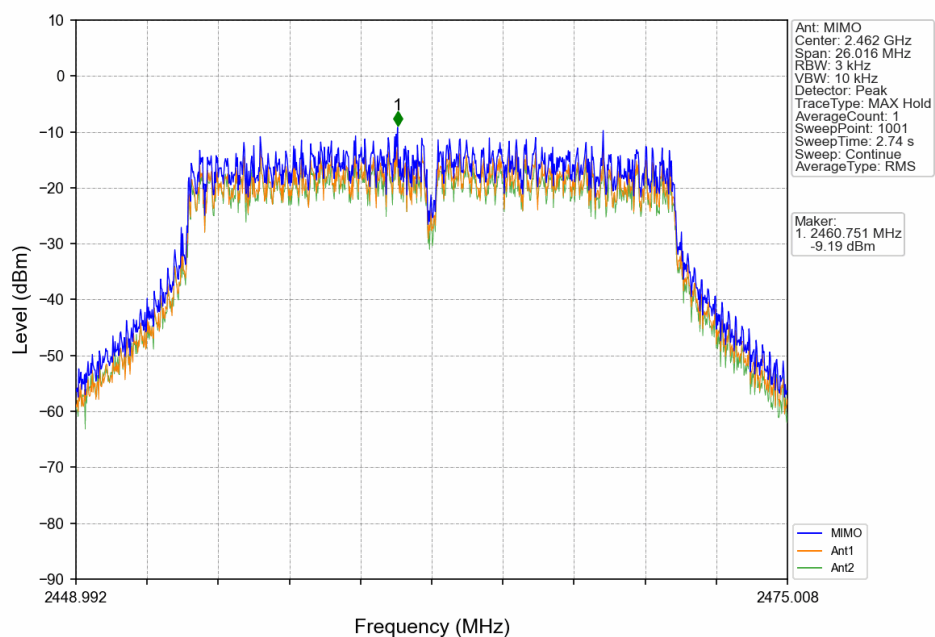
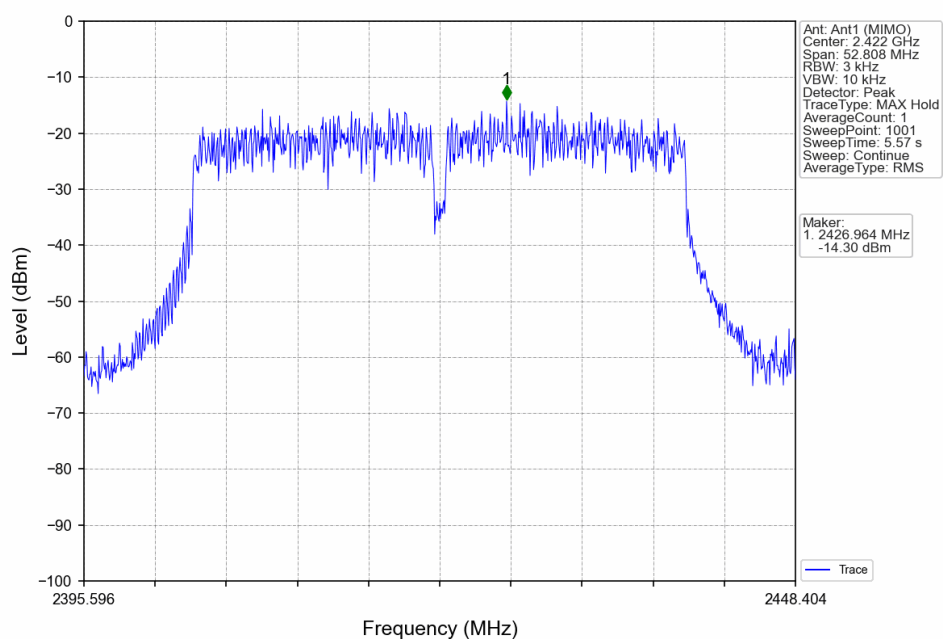


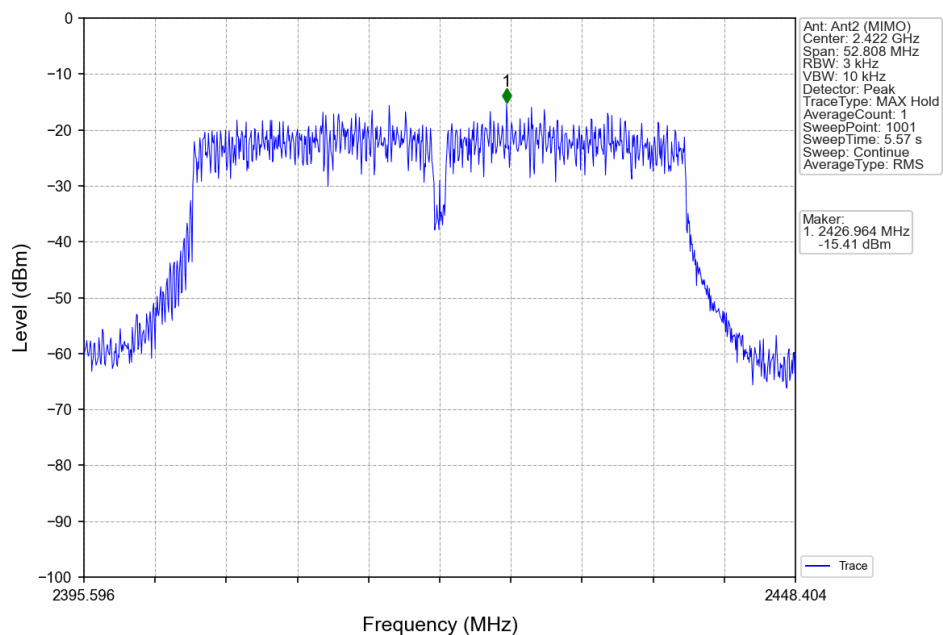
## 802.11n(HT20)\_HCH\_2462MHz\_MIMO\_NTNV



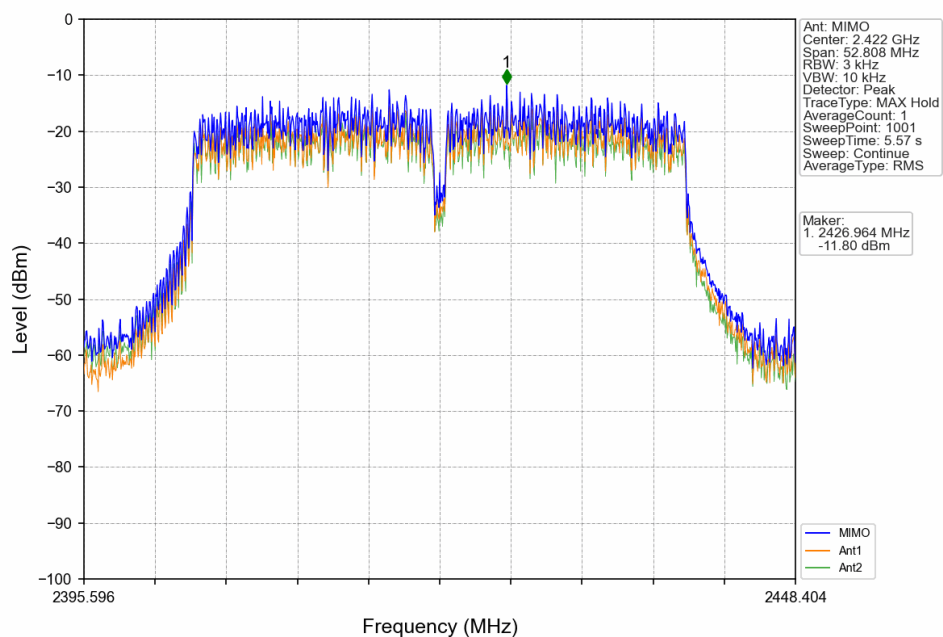
## 802.11n(HT40)\_LCH\_2422MHz\_Ant1 (MIMO)\_NTNV



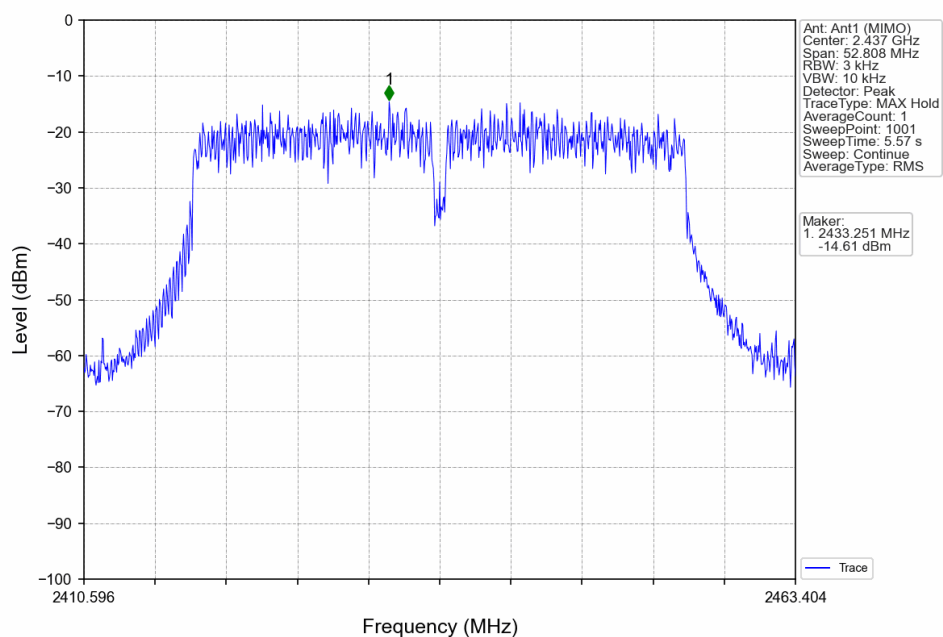
## 802.11n(HT40)\_LCH\_2422MHz\_Ant2 (MIMO)\_NTNV



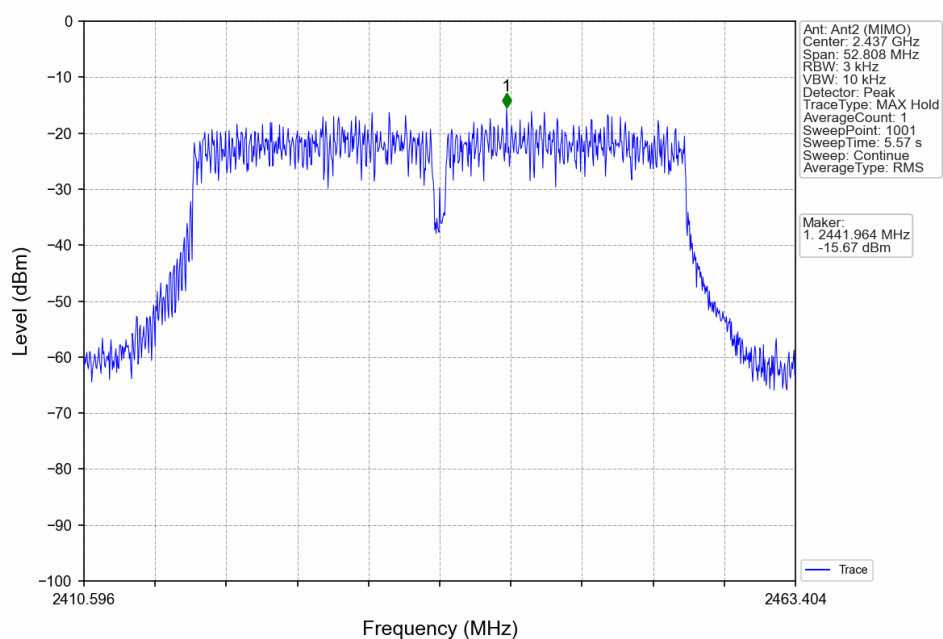
## 802.11n(HT40)\_LCH\_2422MHz\_MIMO\_NTNV



## 802.11n(HT40) MCH\_2437MHz\_Ant1 (MIMO) NTN

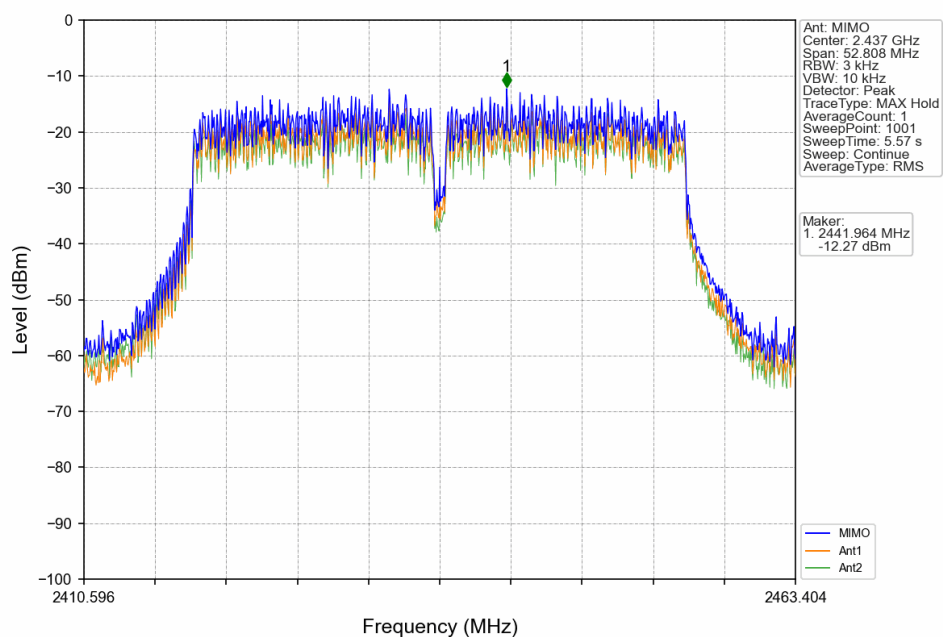


## 802.11n(HT40) MCH\_2437MHz\_Ant2 (MIMO) NTN

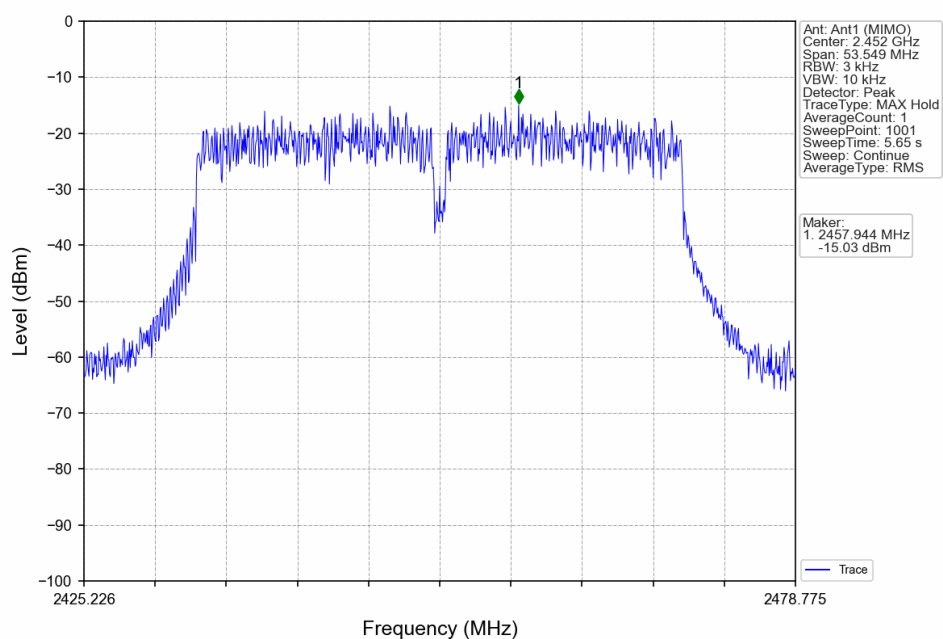




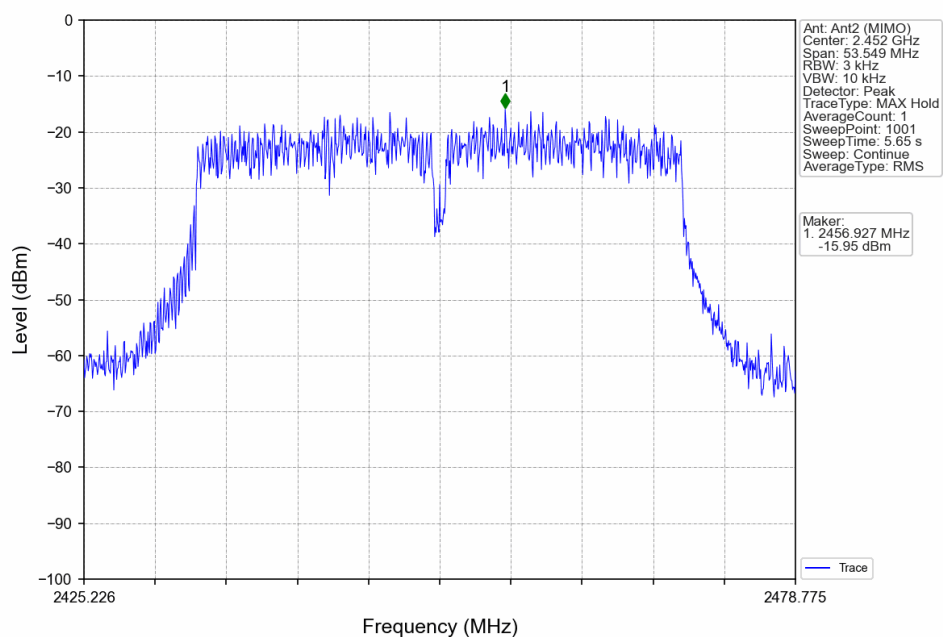
## 802.11n(HT40)\_MCH\_2437MHz\_MIMO\_NTNV



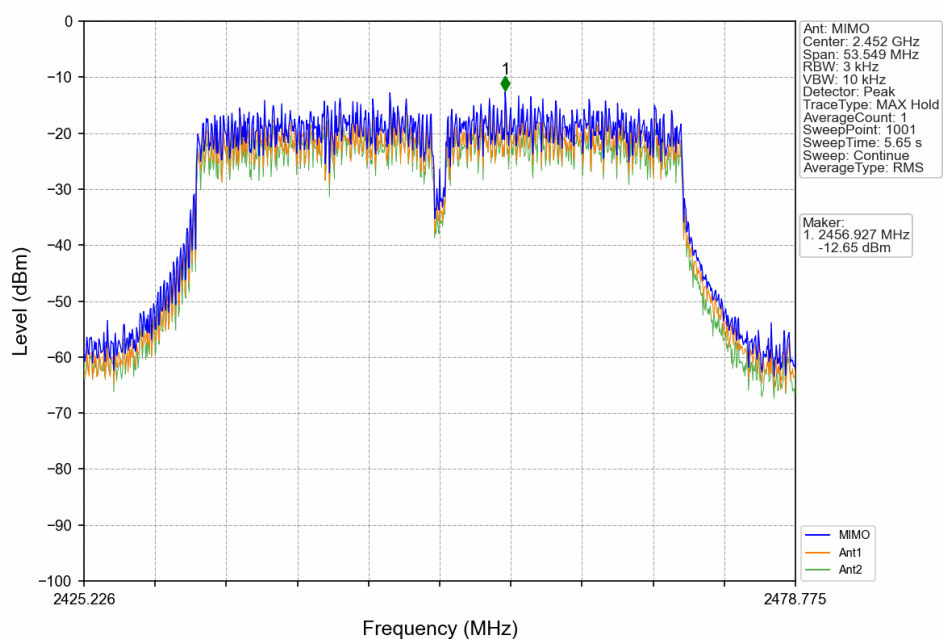
## 802.11n(HT40)\_HCH\_2452MHz\_Ant1 (MIMO)\_NTNV



## 802.11n(HT40) HCH\_2452MHz\_Ant2 (MIMO)\_NTNV



## 802.11n(HT40) HCH\_2452MHz\_MIMO\_NTNV



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

### 5.1 Ref

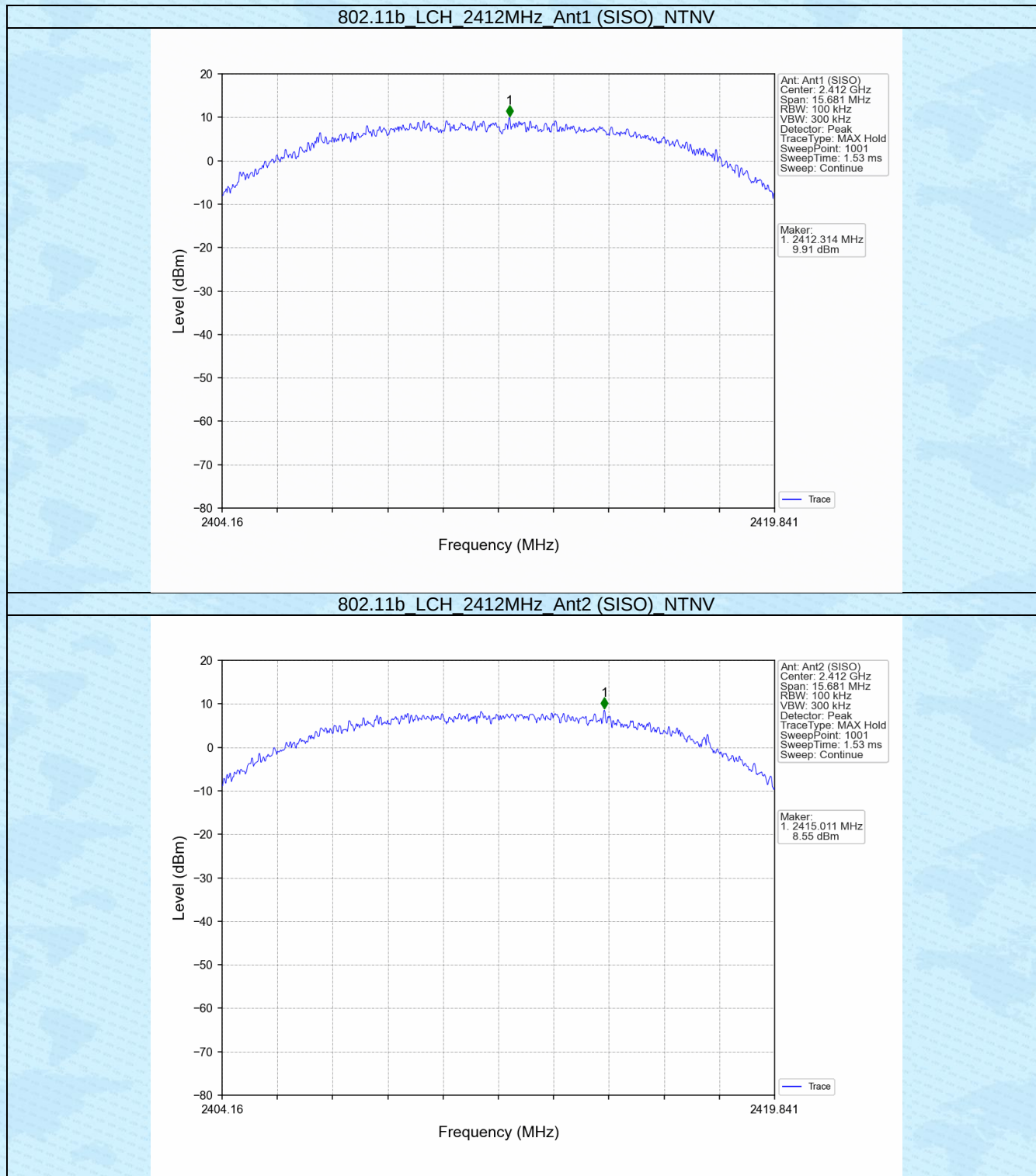
#### 5.1.1 Test Result

| Mode           | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) |
|----------------|---------|-----------------|-----|--------------------------|
| 802.11b        | SISO    | 2412            | 1   | 9.91                     |
|                |         |                 | 2   | 8.55                     |
|                |         | 2437            | 1   | 9.57                     |
|                |         |                 | 2   | 8.65                     |
|                |         | 2462            | 1   | 8.69                     |
|                |         |                 | 2   | 8.50                     |
| 802.11g        | SISO    | 2412            | 1   | 8.44                     |
|                |         |                 | 2   | 7.37                     |
|                |         | 2437            | 1   | 8.79                     |
|                |         |                 | 2   | 7.68                     |
|                |         | 2462            | 1   | 8.39                     |
|                |         |                 | 2   | 7.33                     |
| 802.11n (HT20) | SISO    | 2412            | 1   | 9.61                     |
|                |         |                 | 2   | 4.57                     |
|                |         | 2437            | 1   | 5.04                     |
|                |         |                 | 2   | 4.16                     |
|                |         | 2462            | 1   | 4.04                     |
|                |         |                 | 2   | 3.85                     |
| 802.11n (HT40) | SISO    | 2422            | 1   | 1.96                     |
|                |         |                 | 2   | 0.49                     |
|                |         | 2437            | 1   | 2.21                     |
|                |         |                 | 2   | 0.79                     |
|                |         | 2452            | 1   | 1.31                     |
|                |         |                 | 2   | 0.17                     |
| 802.11n (HT20) | MIMO    | 2412            | 1   | 5.22                     |
|                |         |                 | 2   | 4.16                     |
|                |         | 2437            | 1   | 4.89                     |
|                |         |                 | 2   | 4.01                     |
|                |         | 2462            | 1   | 4.01                     |
|                |         |                 | 2   | 3.04                     |
| 802.11n (HT40) | MIMO    | 2422            | 1   | 1.92                     |
|                |         |                 | 2   | 1.21                     |
|                |         | 2437            | 1   | 2.34                     |
|                |         |                 | 2   | 1.12                     |
|                |         | 2452            | 1   | 1.52                     |
|                |         |                 | 2   | 0.24                     |

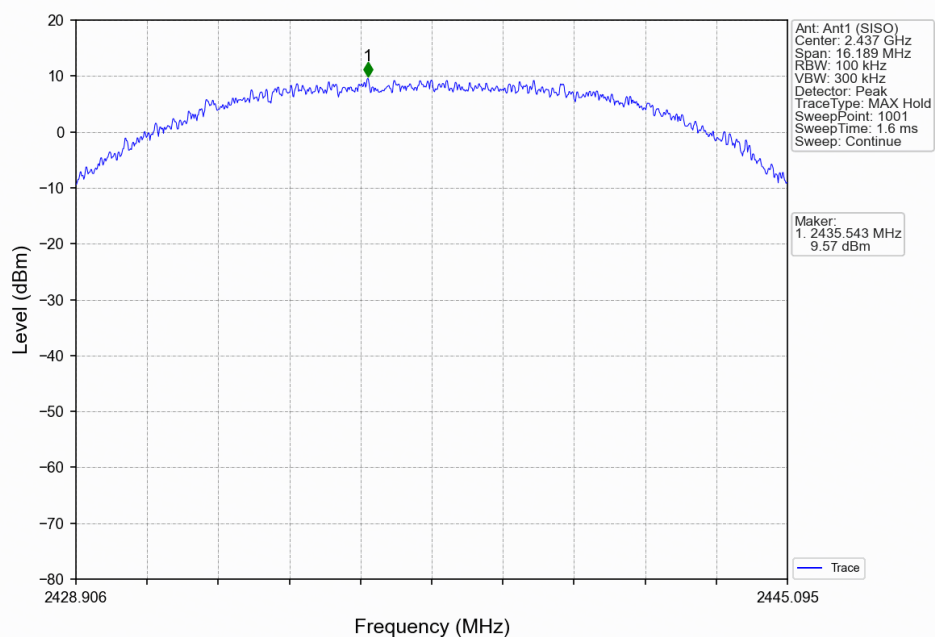
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.



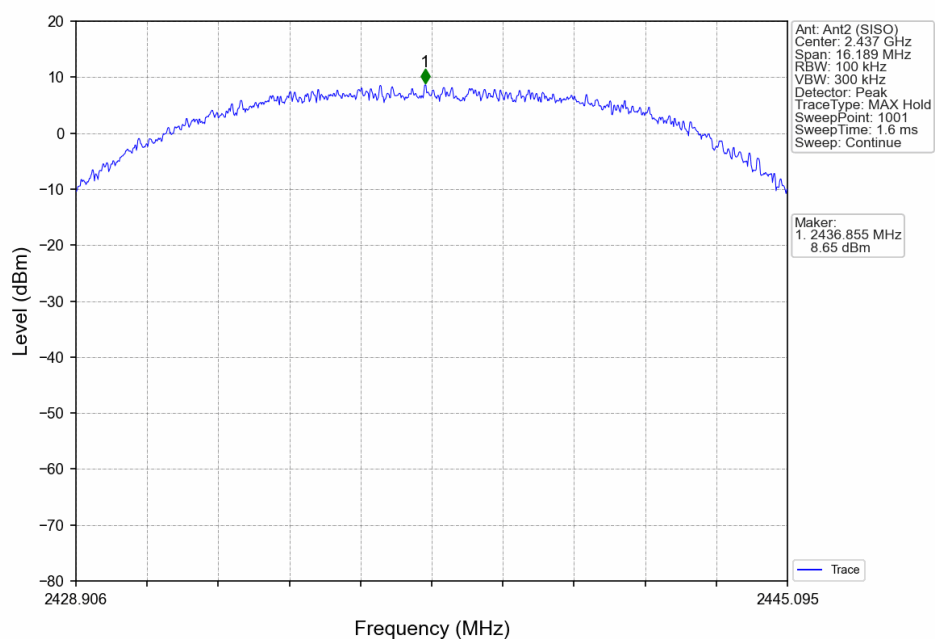
## 5.1.2 Test Graph



## 802.11b MCH 2437MHz\_Ant1 (SISO)\_NTNV

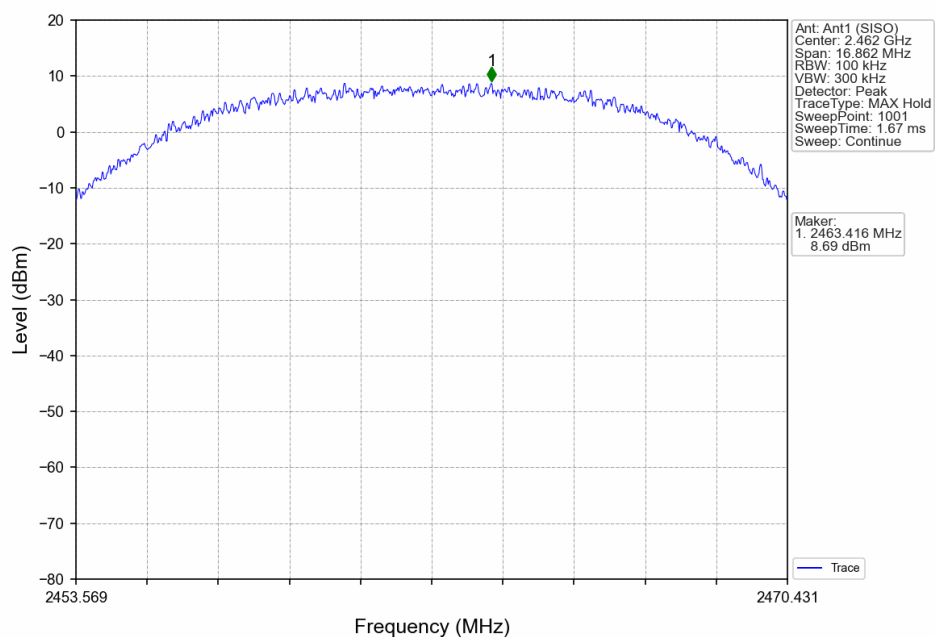


## 802.11b MCH 2437MHz\_Ant2 (SISO)\_NTNV

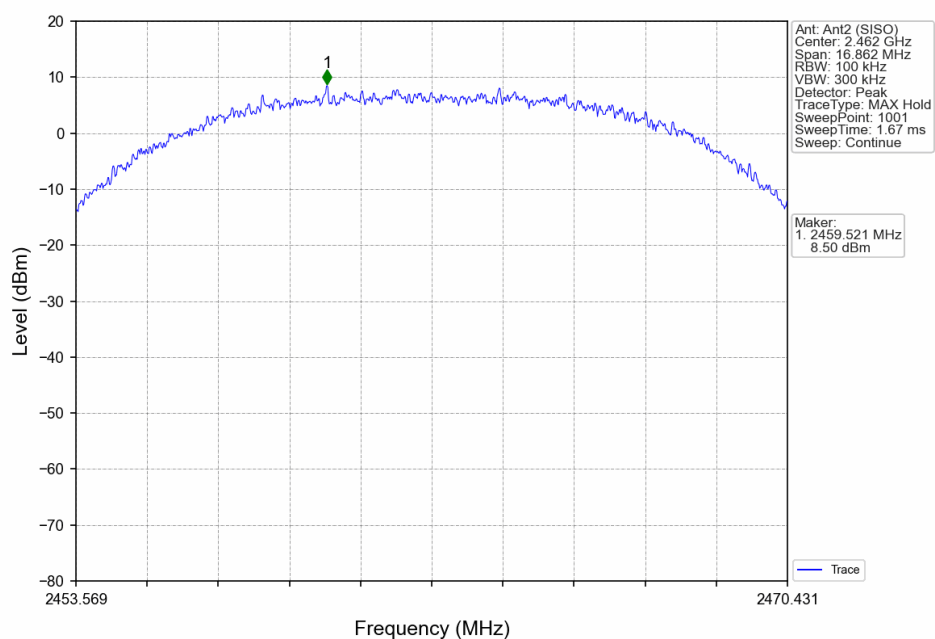




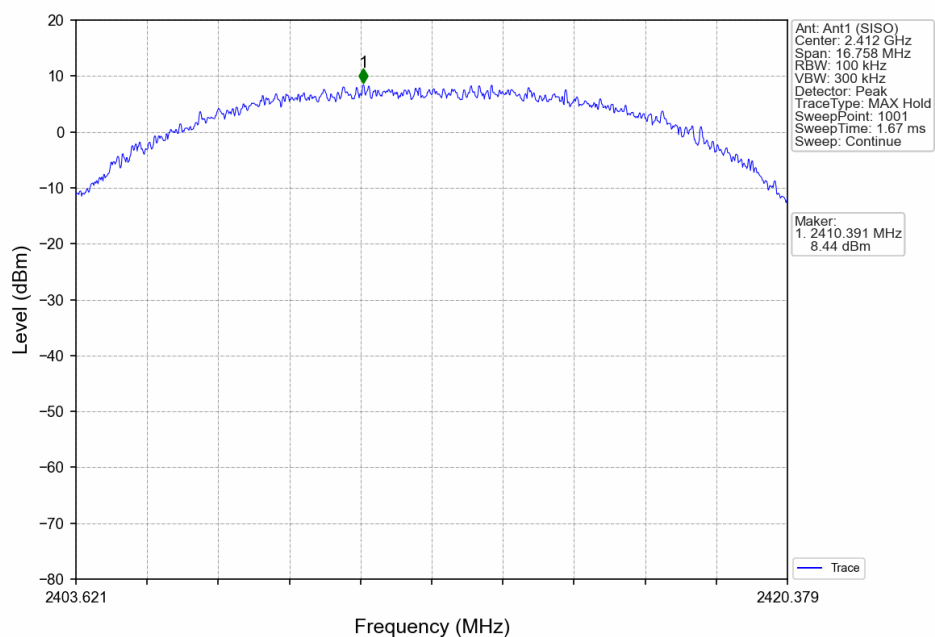
## 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



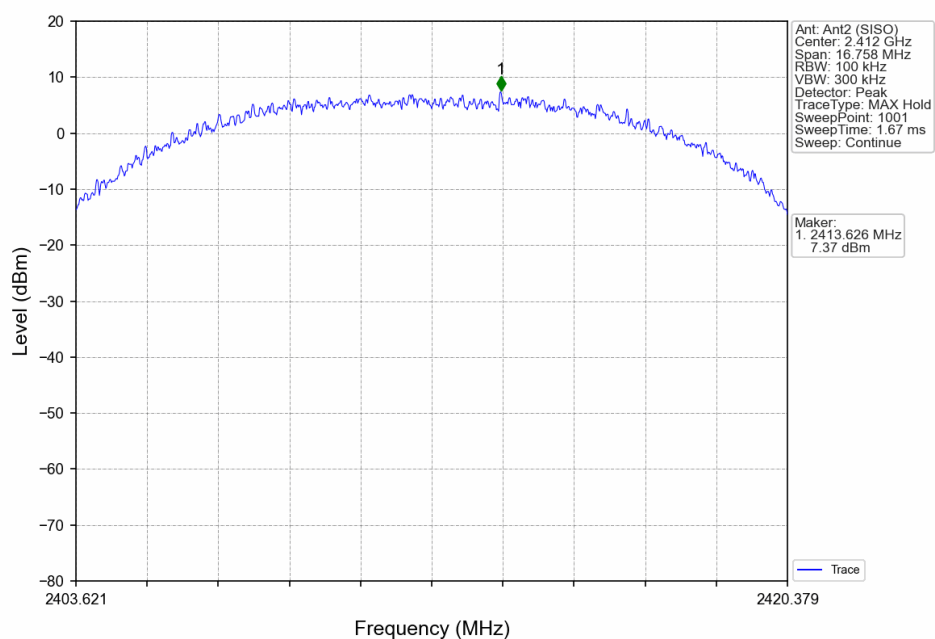
## 802.11b\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV



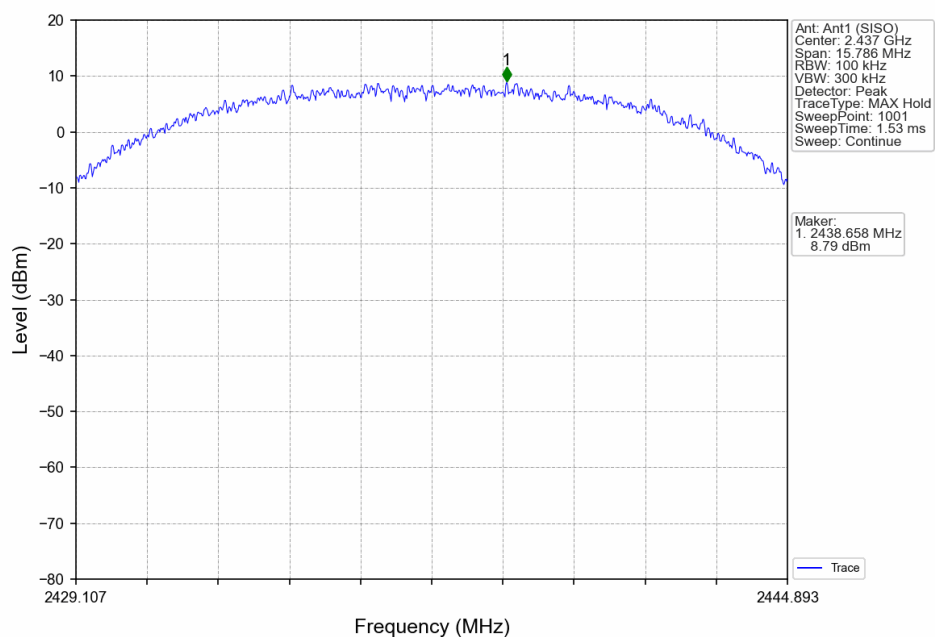
## 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



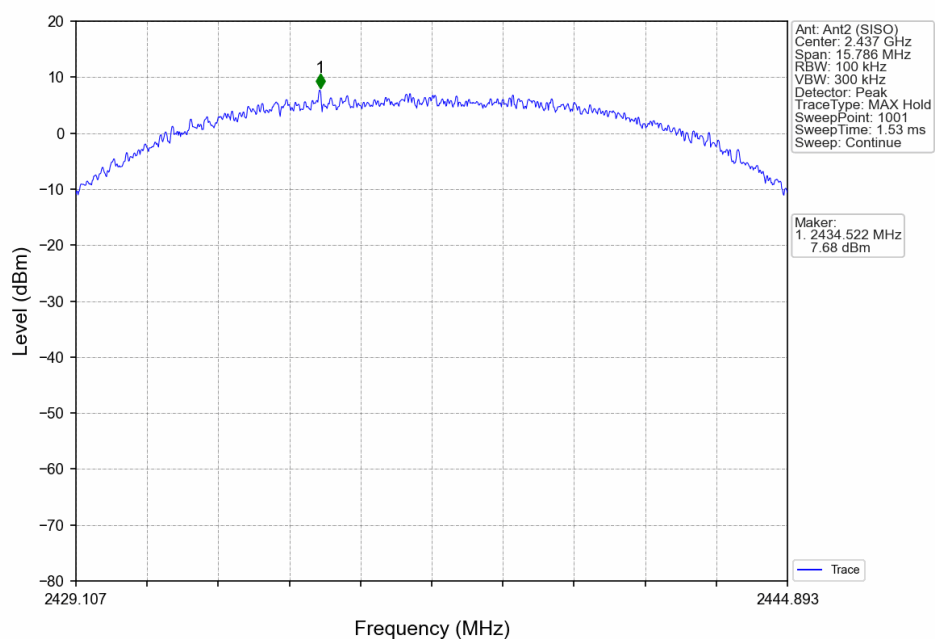
## 802.11g\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV



## 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

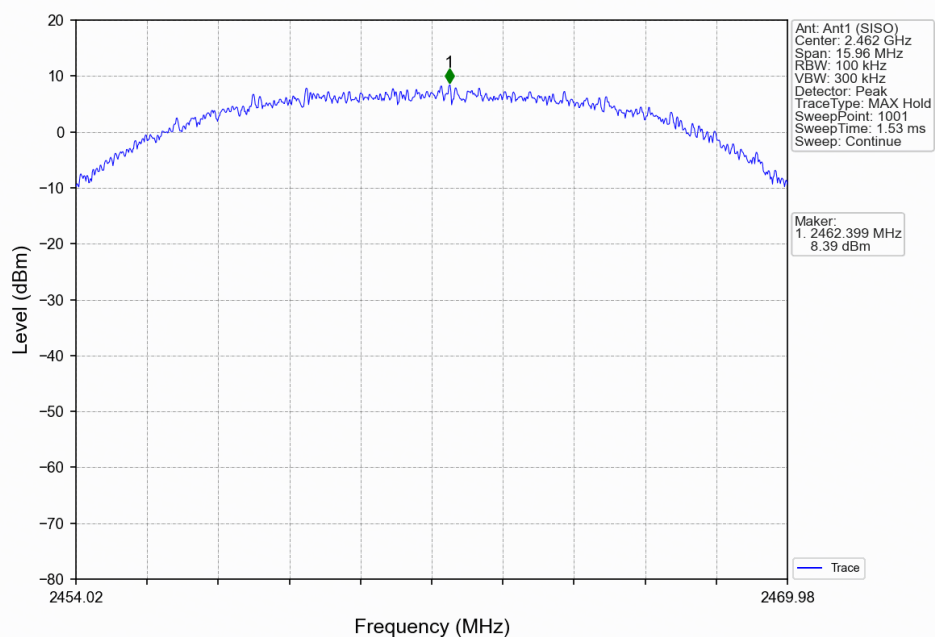


## 802.11g\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV

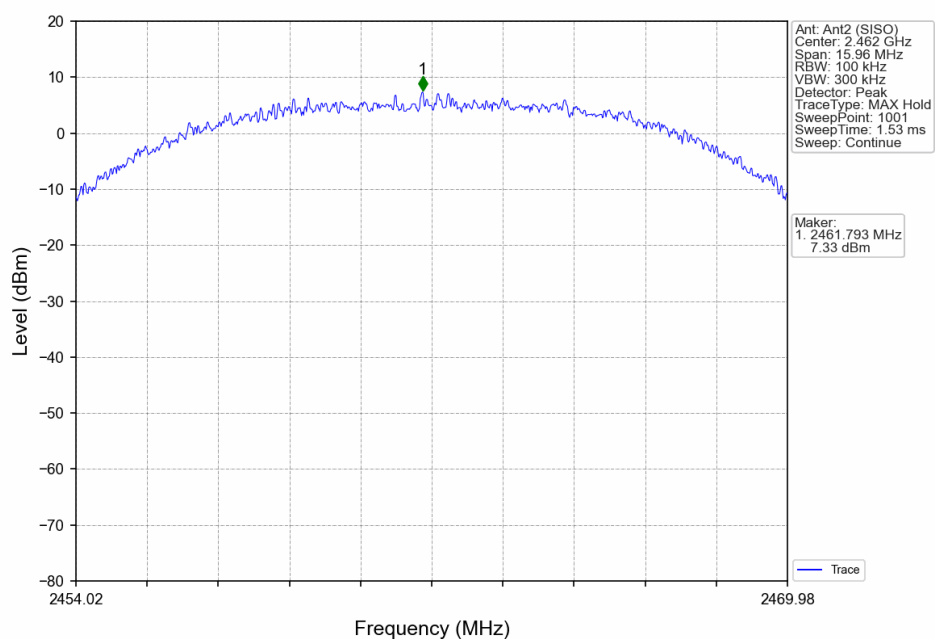




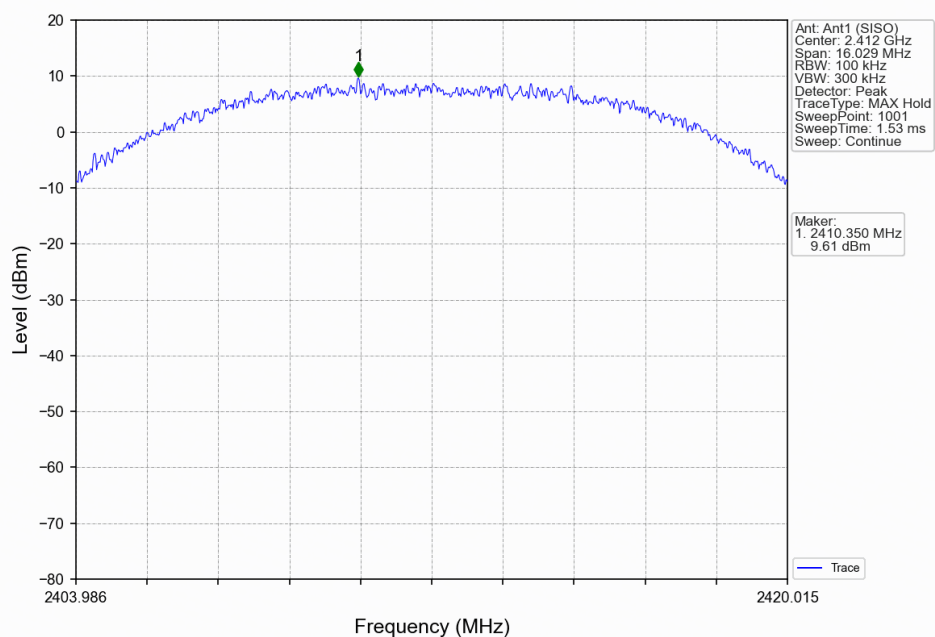
## 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



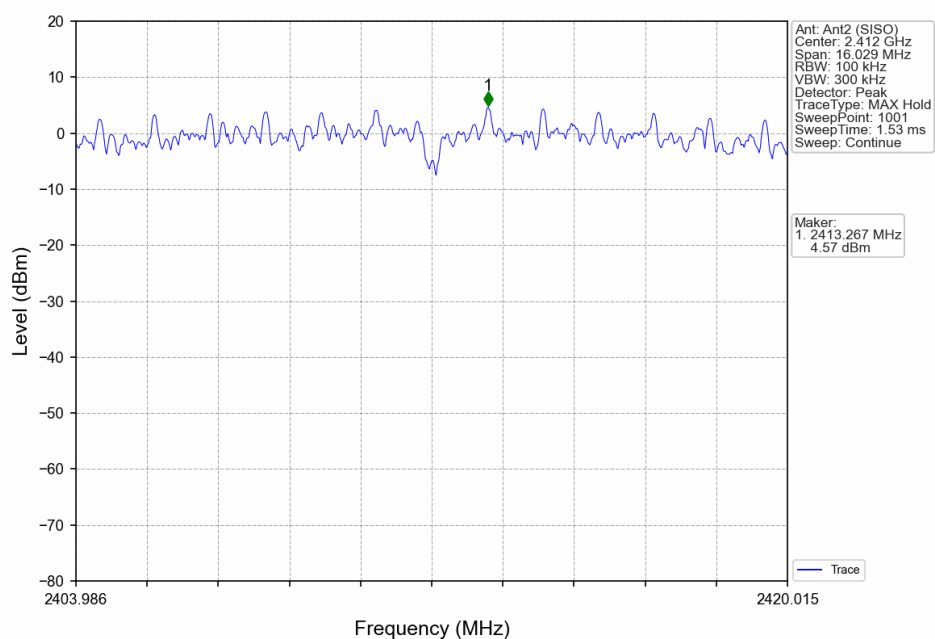
## 802.11g\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV



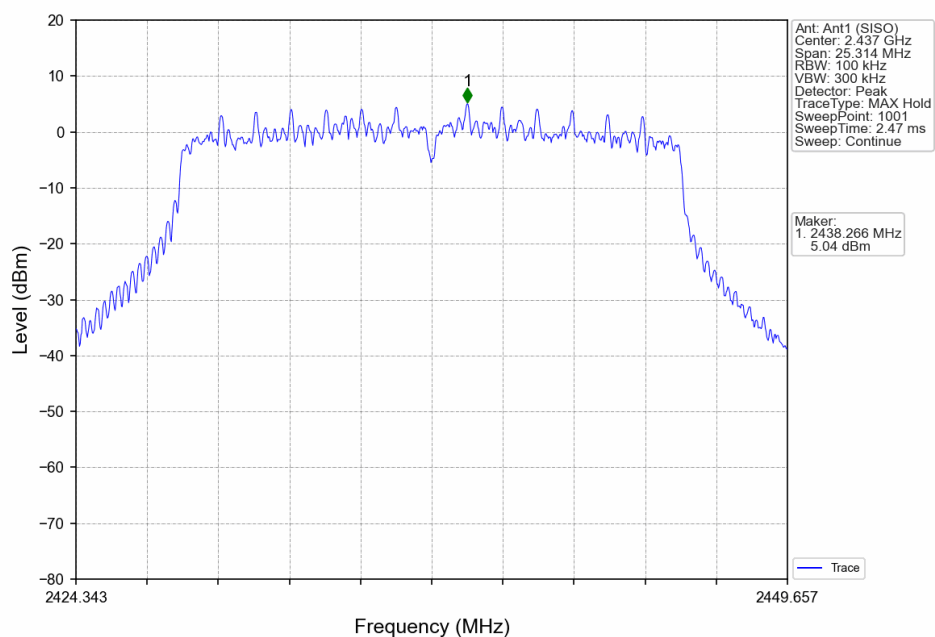
## 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



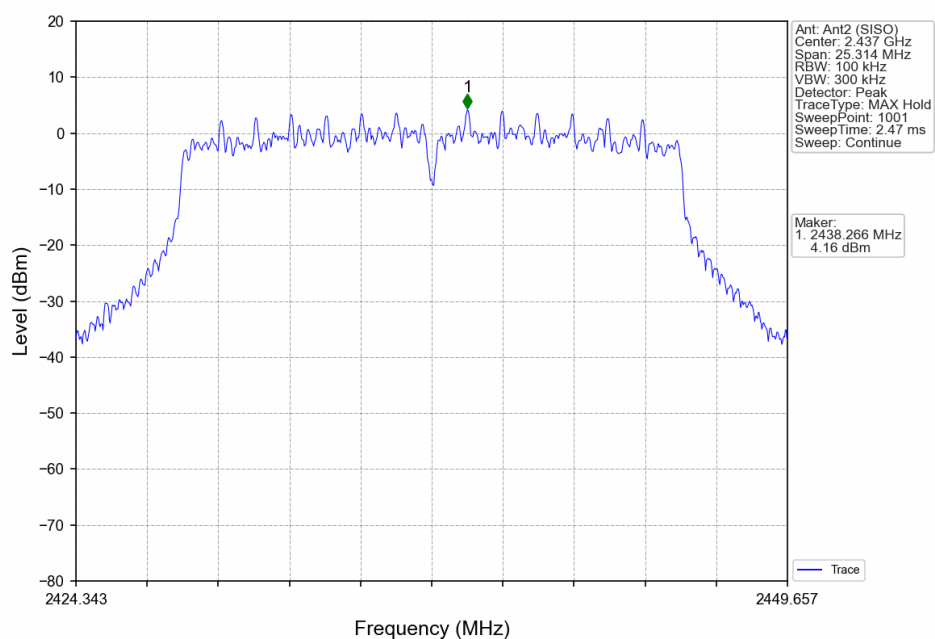
## 802.11n(HT20)\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV



## 802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

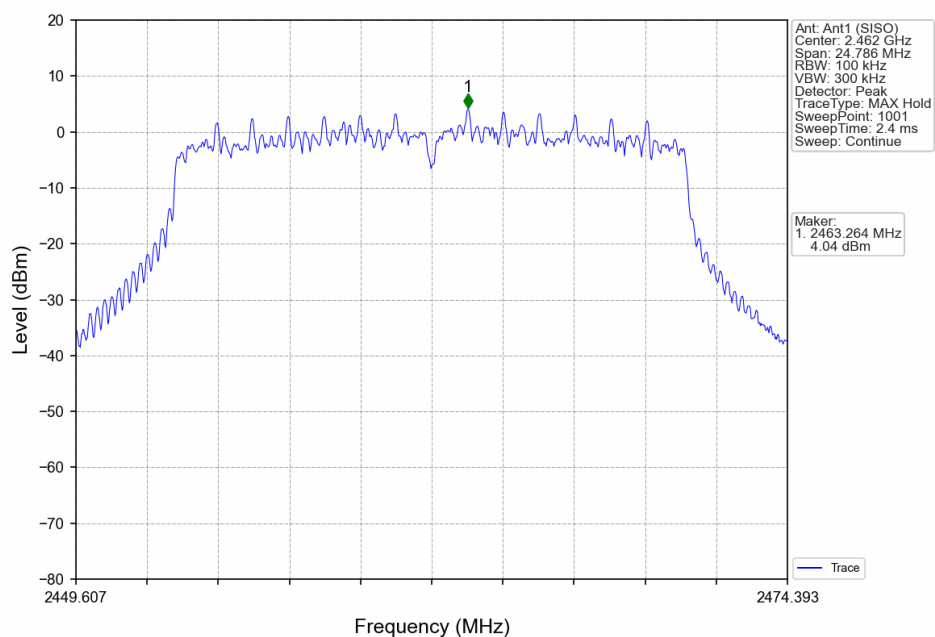


## 802.11n(HT20)\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV

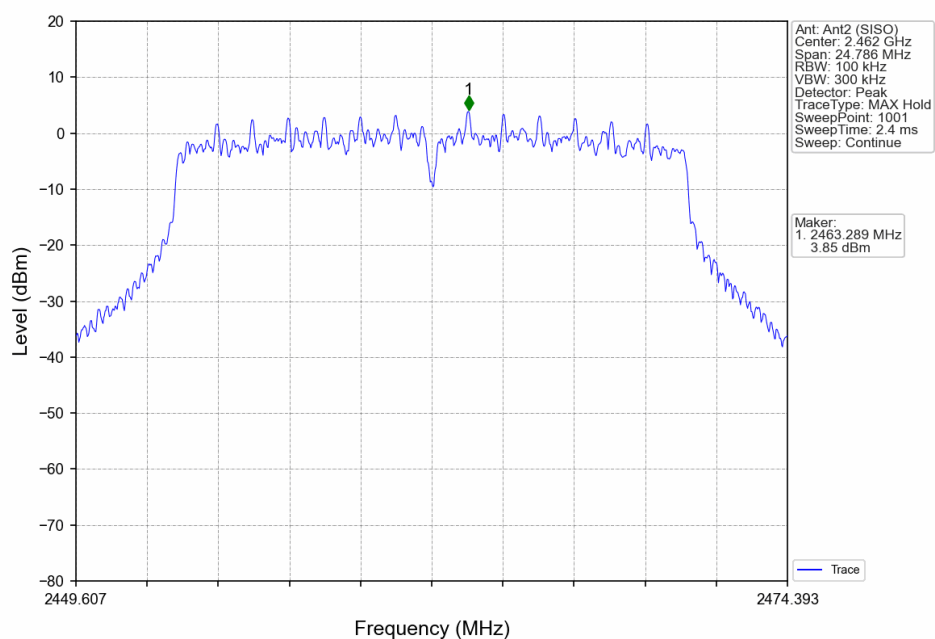




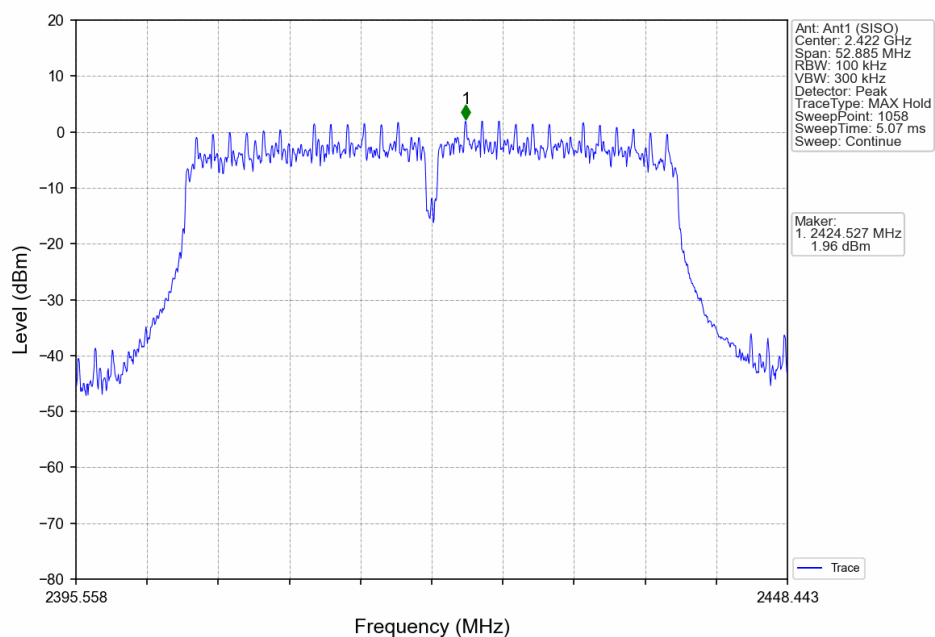
## 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



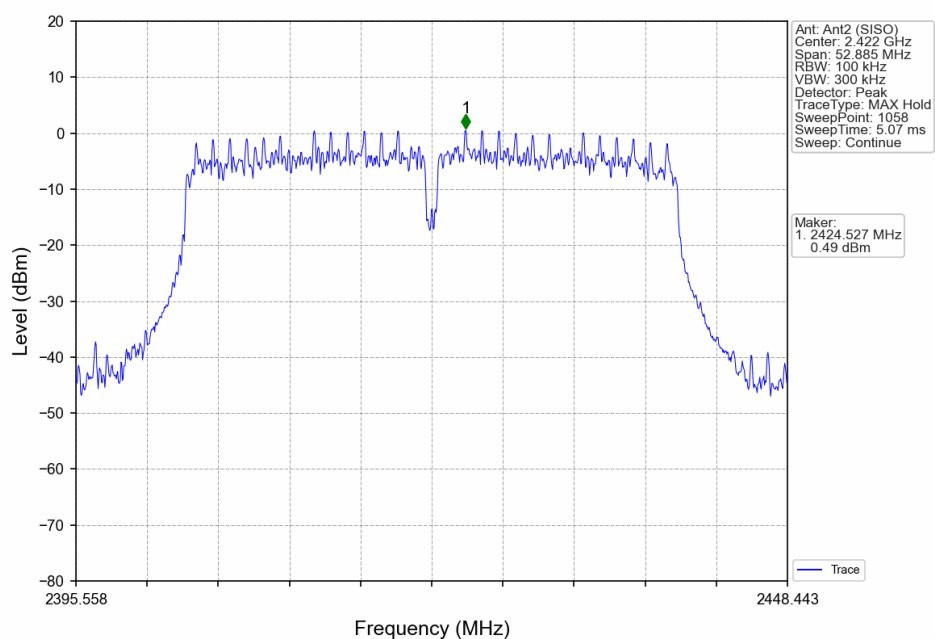
## 802.11n(HT20)\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV



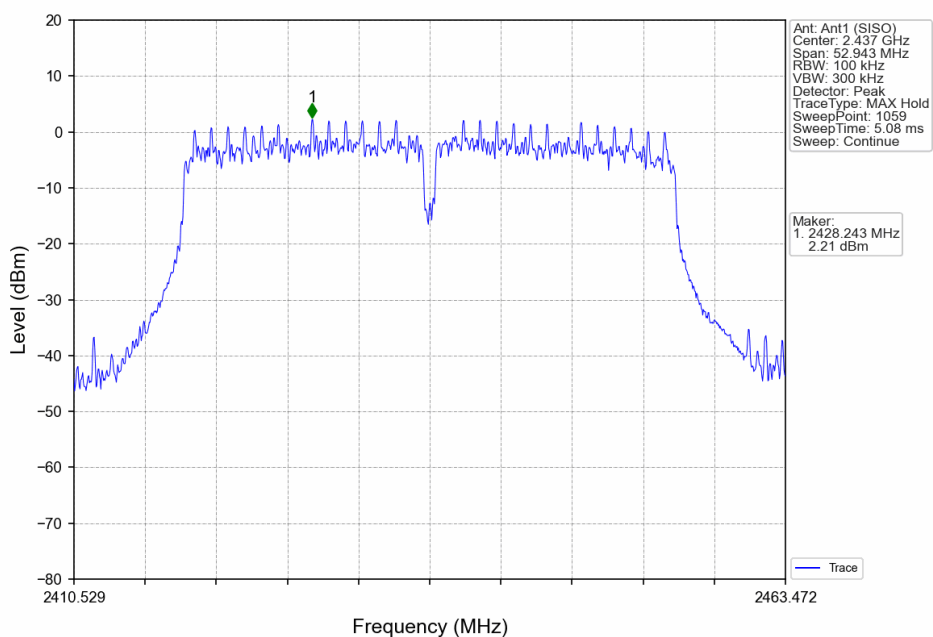
## 802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



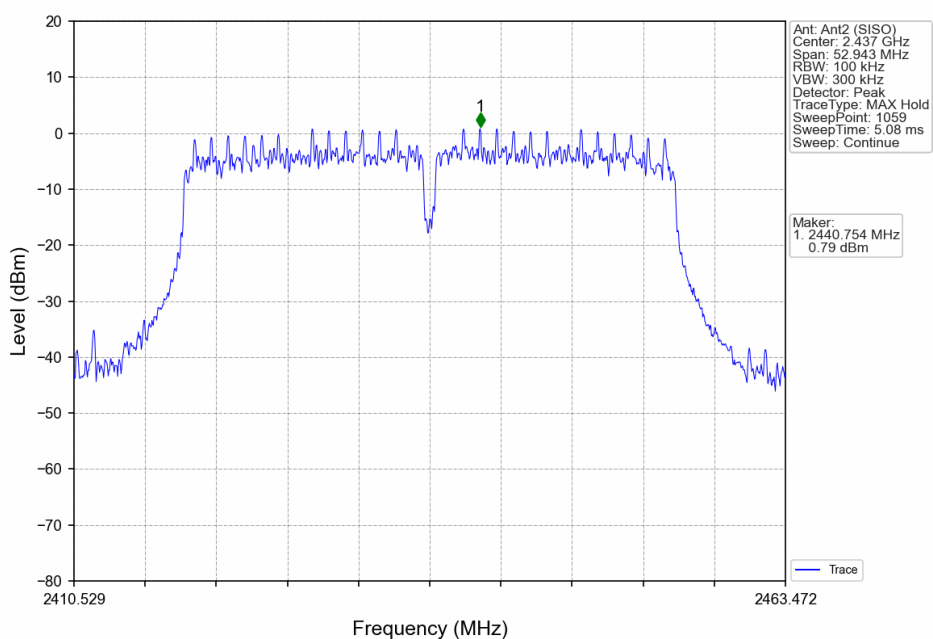
## 802.11n(HT40)\_LCH\_2422MHz\_Ant2 (SISO)\_NTNV



## 802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

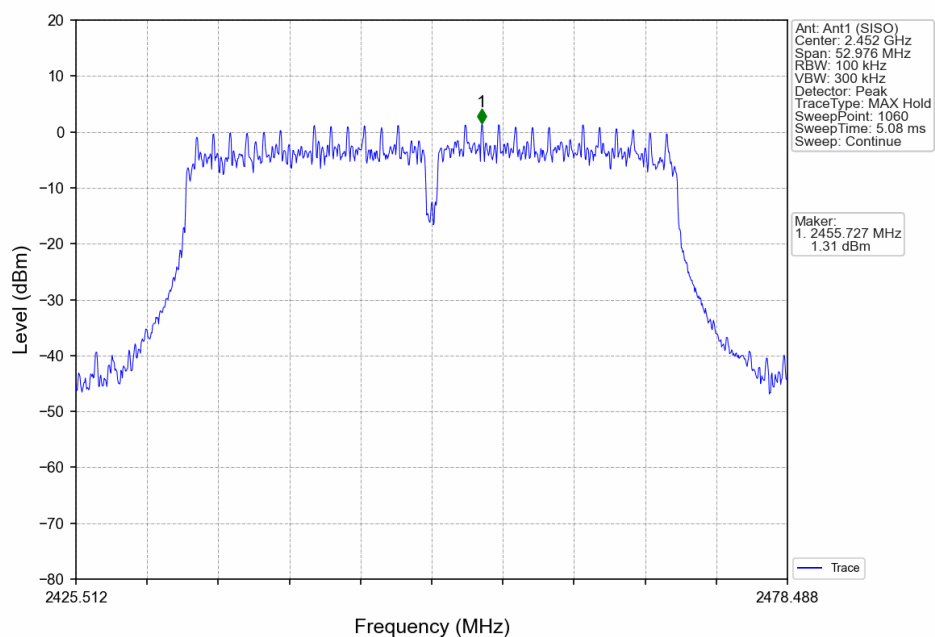


## 802.11n(HT40)\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV

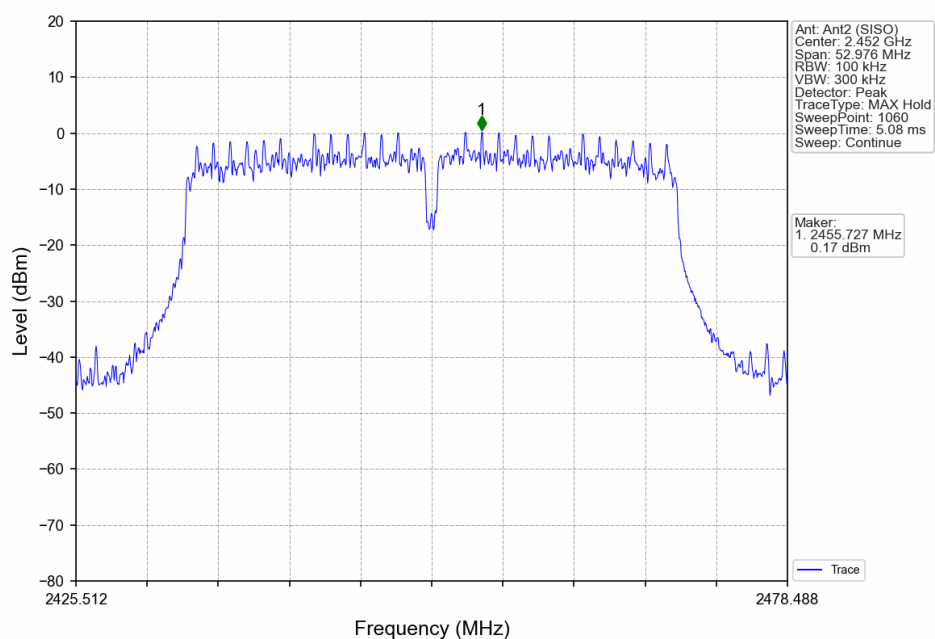




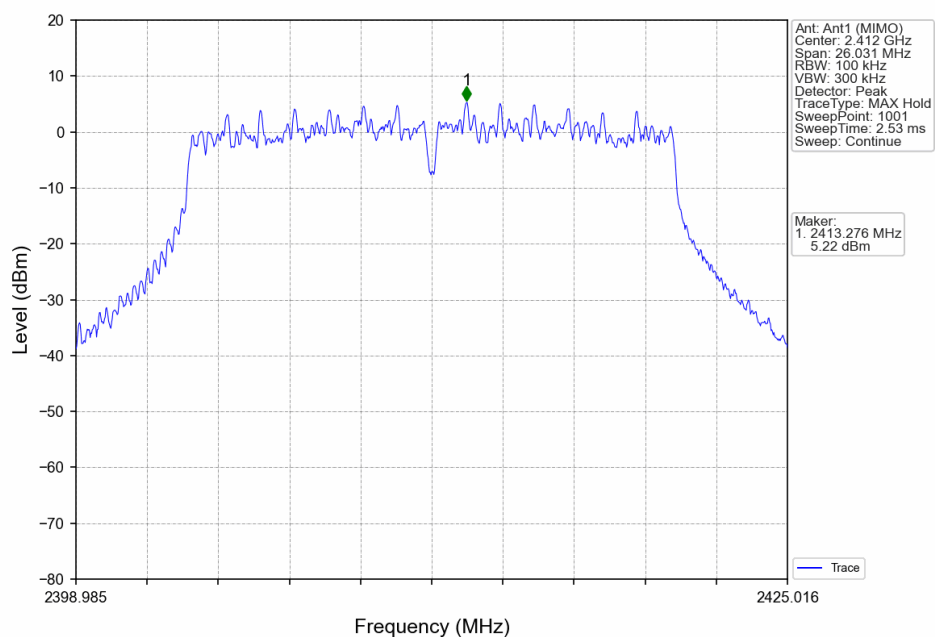
## 802.11n(HT40)\_HCH\_2452MHz\_Ant1 (SISO)\_NTNV



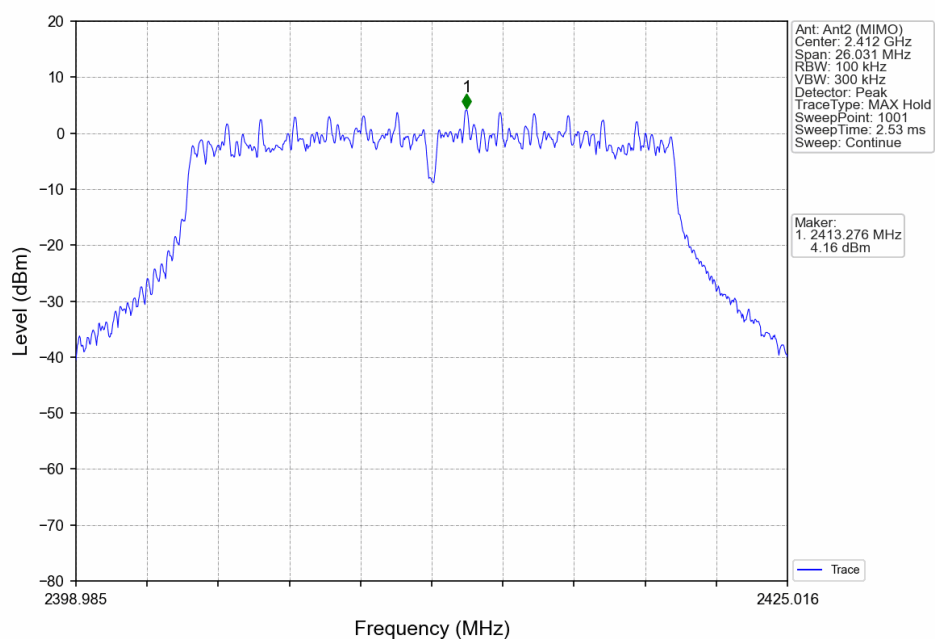
## 802.11n(HT40)\_HCH\_2452MHz\_Ant2 (SISO)\_NTNV



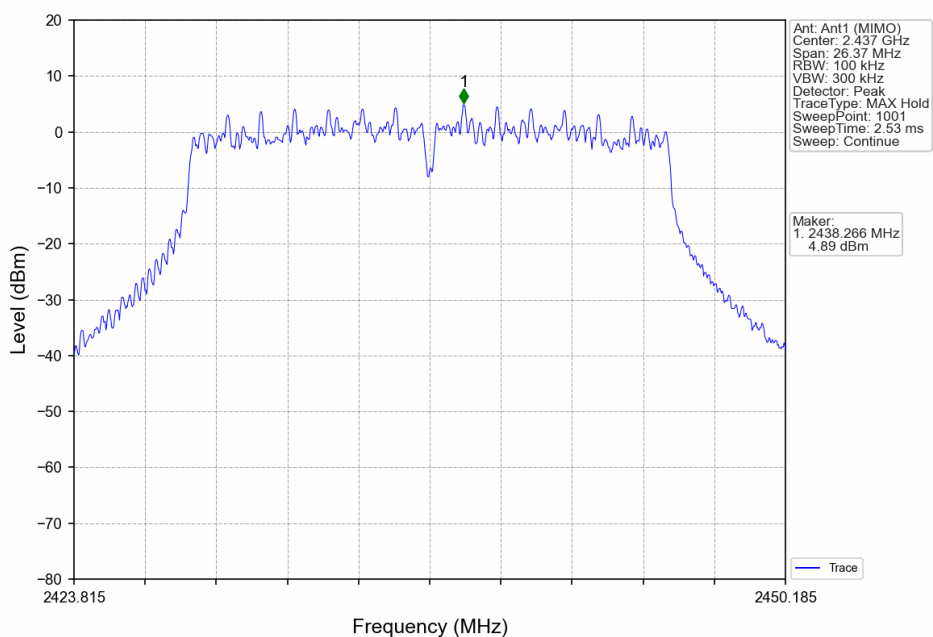
## 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (MIMO)\_NTNV



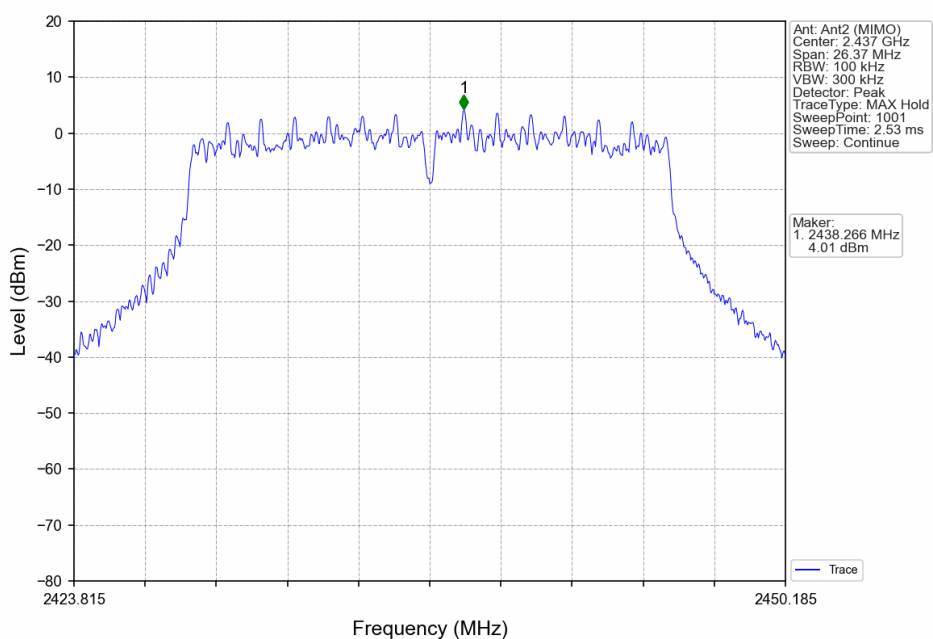
## 802.11n(HT20)\_LCH\_2412MHz\_Ant2 (MIMO)\_NTNV



## 802.11n(HT20) MCH\_2437MHz\_Ant1 (MIMO) NTN

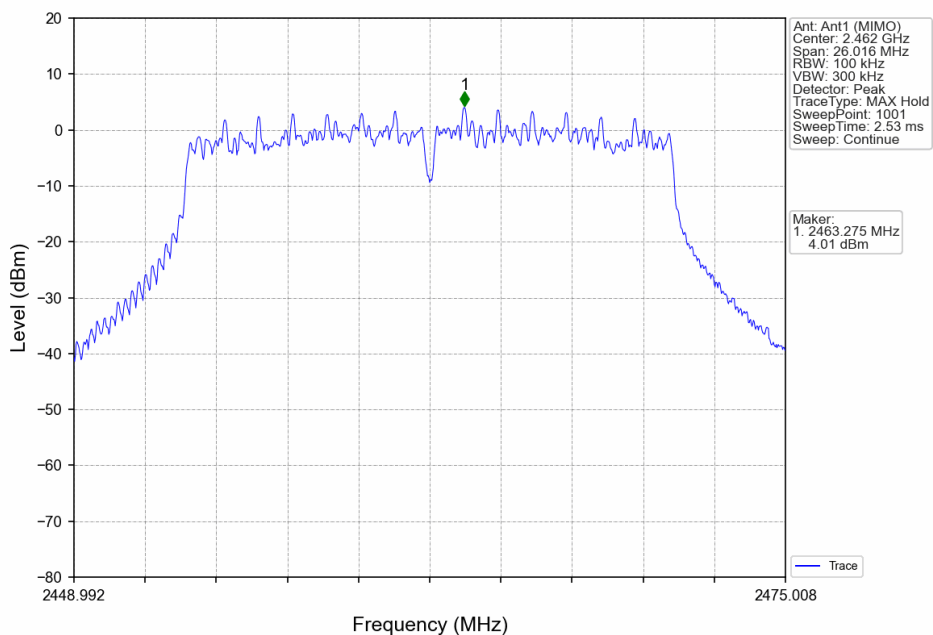


## 802.11n(HT20) MCH\_2437MHz\_Ant2 (MIMO) NTN

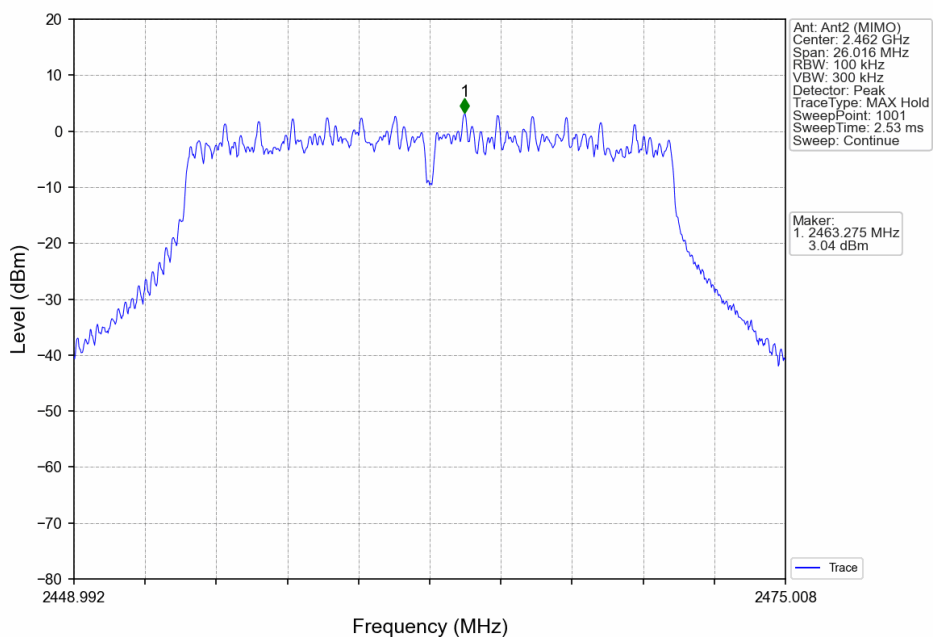




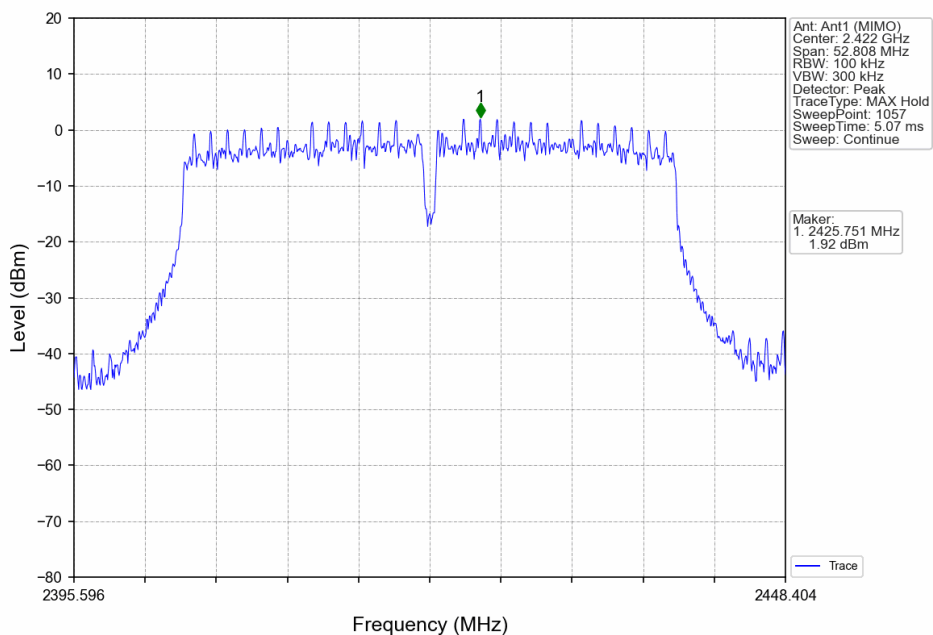
## 802.11n(HT20) HCH\_2462MHz\_Ant1 (MIMO)\_NTNV



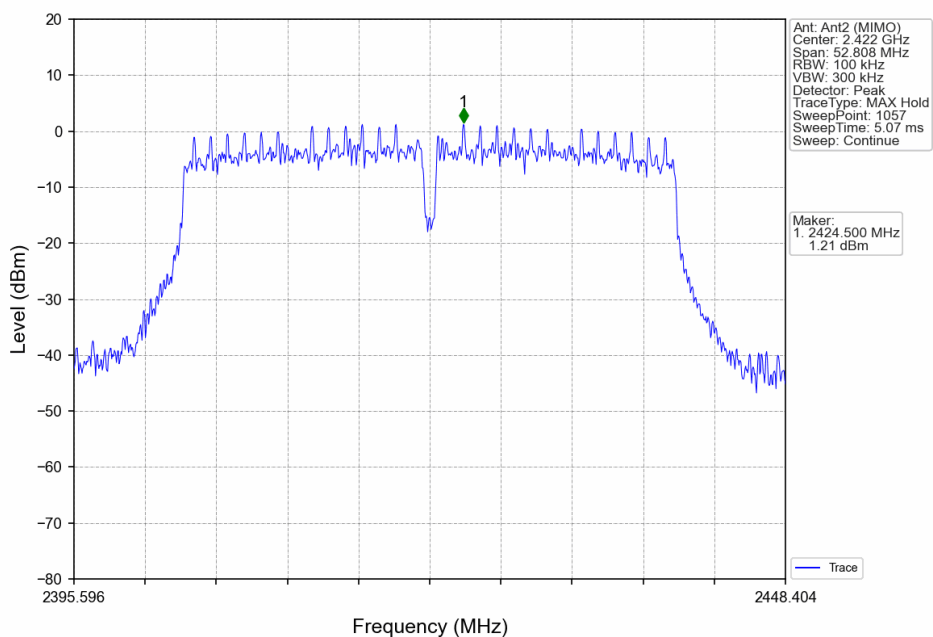
## 802.11n(HT20) HCH\_2462MHz\_Ant2 (MIMO)\_NTNV



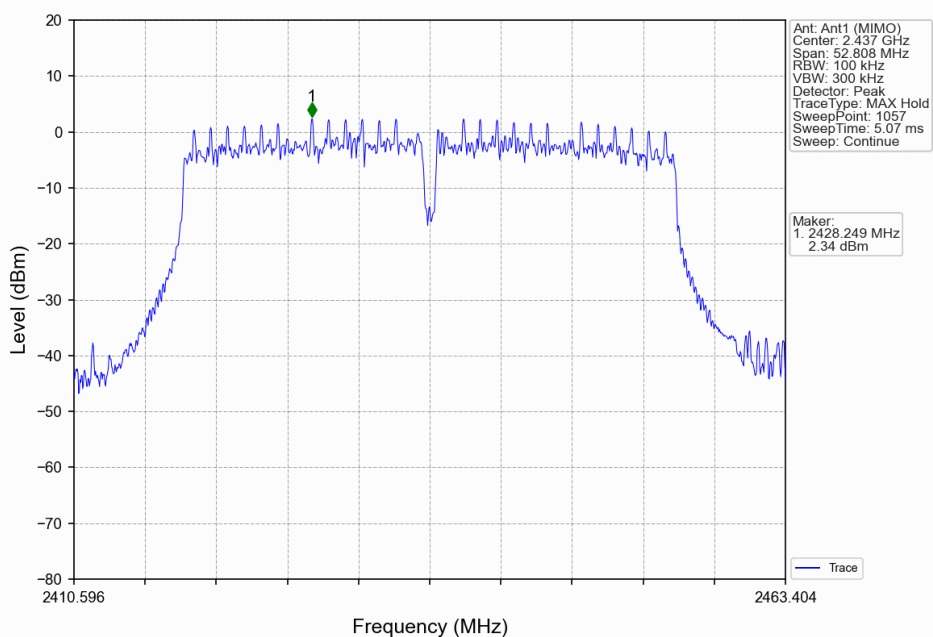
## 802.11n(HT40)\_LCH\_2422MHz\_Ant1 (MIMO)\_NTNV



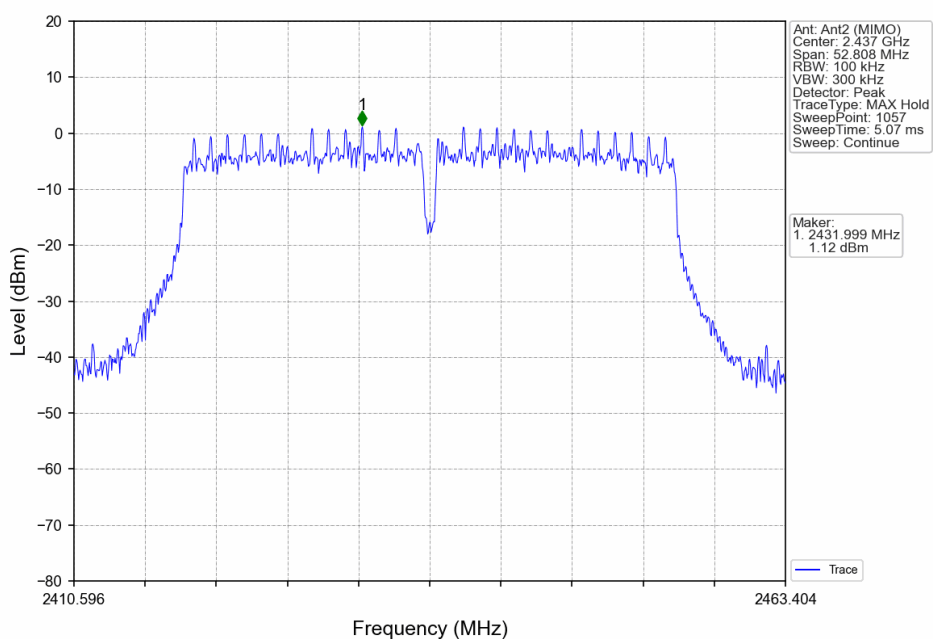
## 802.11n(HT40)\_LCH\_2422MHz\_Ant2 (MIMO)\_NTNV



## 802.11n(HT40) MCH\_2437MHz\_Ant1 (MIMO) NTN

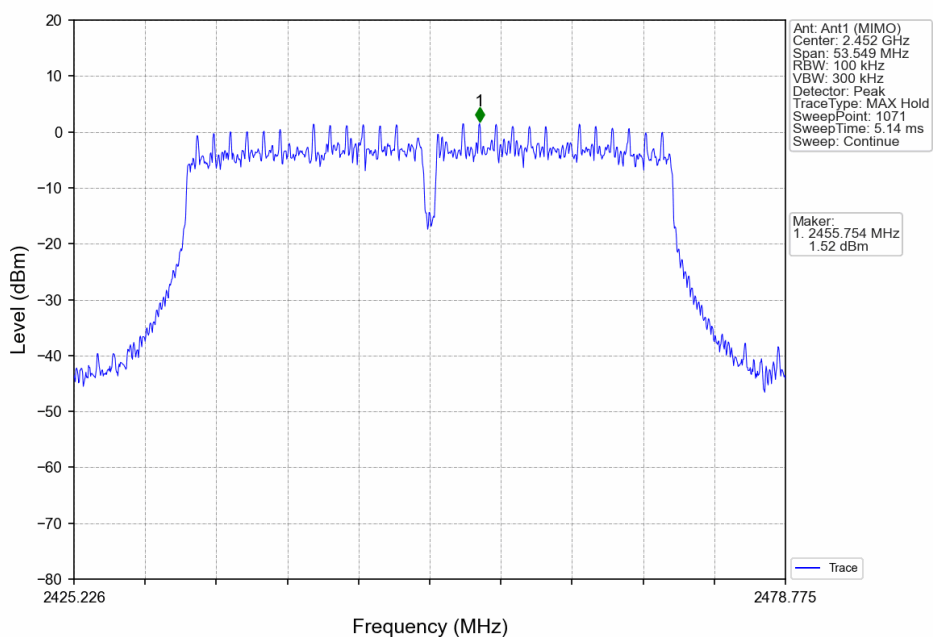


## 802.11n(HT40) MCH\_2437MHz\_Ant2 (MIMO) NTN

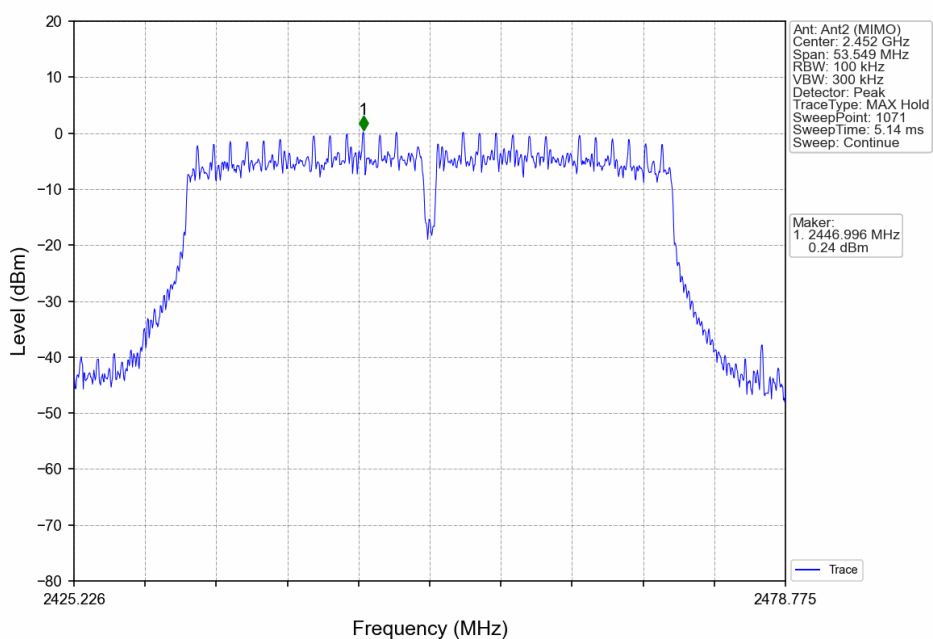




## 802.11n(HT40) HCH\_2452MHz\_Ant1 (MIMO)\_NTNV



## 802.11n(HT40) HCH\_2452MHz\_Ant2 (MIMO)\_NTNV



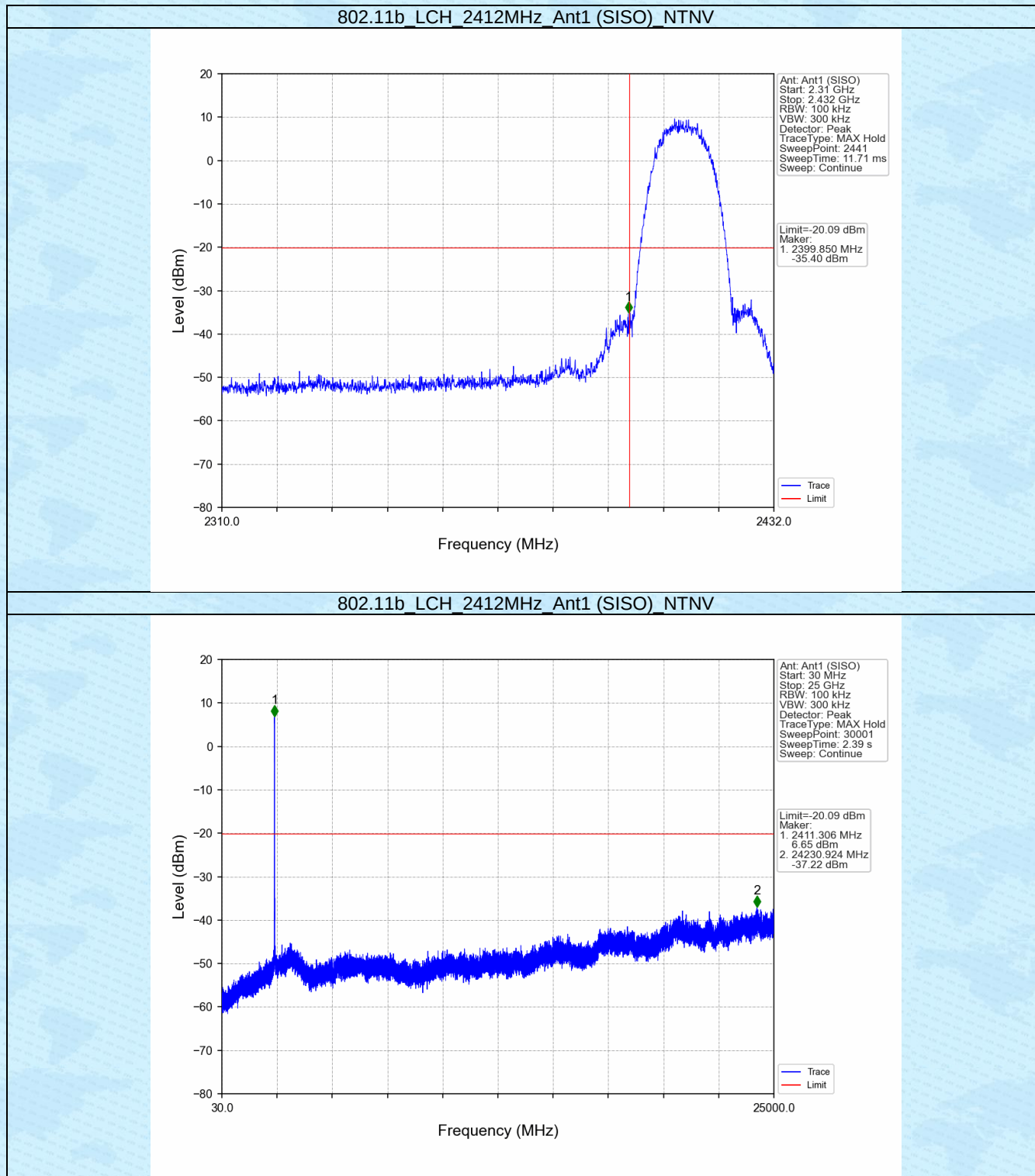
## 5.2 CSE

### 5.2.1 Test Result

| Mode           | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) | Limit (dBm) | Verdict |
|----------------|---------|-----------------|-----|--------------------------|-------------|---------|
| 802.11b        | SISO    | 2412            | 1   | 9.91                     | -20.09      | Pass    |
|                |         |                 | 2   | 8.65                     | -21.35      | Pass    |
|                |         | 2437            | 1   | 9.91                     | -20.09      | Pass    |
|                |         |                 | 2   | 8.65                     | -21.35      | Pass    |
|                |         | 2462            | 1   | 9.91                     | -20.09      | Pass    |
|                |         |                 | 2   | 8.65                     | -21.35      | Pass    |
| 802.11g        | SISO    | 2412            | 1   | 8.79                     | -21.21      | Pass    |
|                |         |                 | 2   | 7.68                     | -22.32      | Pass    |
|                |         | 2437            | 1   | 8.79                     | -21.21      | Pass    |
|                |         |                 | 2   | 7.68                     | -22.32      | Pass    |
|                |         | 2462            | 1   | 8.79                     | -21.21      | Pass    |
|                |         |                 | 2   | 7.68                     | -22.32      | Pass    |
| 802.11n (HT20) | SISO    | 2412            | 1   | 9.61                     | -20.39      | Pass    |
|                |         |                 | 2   | 4.57                     | -25.43      | Pass    |
|                |         | 2437            | 1   | 9.61                     | -20.39      | Pass    |
|                |         |                 | 2   | 4.57                     | -25.43      | Pass    |
|                |         | 2462            | 1   | 9.61                     | -20.39      | Pass    |
|                |         |                 | 2   | 4.57                     | -25.43      | Pass    |
| 802.11n (HT40) | SISO    | 2422            | 1   | 2.21                     | -27.79      | Pass    |
|                |         |                 | 2   | 0.79                     | -29.21      | Pass    |
|                |         | 2437            | 1   | 2.21                     | -27.79      | Pass    |
|                |         |                 | 2   | 0.79                     | -29.21      | Pass    |
|                |         | 2452            | 1   | 2.21                     | -27.79      | Pass    |
|                |         |                 | 2   | 0.79                     | -29.21      | Pass    |
| 802.11n (HT20) | MIMO    | 2412            | 1   | 5.22                     | -14.78      | Pass    |
|                |         |                 | 2   | 4.16                     | -15.84      | Pass    |
|                |         | 2437            | 1   | 5.22                     | -14.78      | Pass    |
|                |         |                 | 2   | 4.16                     | -15.84      | Pass    |
|                |         | 2462            | 1   | 5.22                     | -14.78      | Pass    |
|                |         |                 | 2   | 4.16                     | -15.84      | Pass    |
| 802.11n (HT40) | MIMO    | 2422            | 1   | 2.34                     | -17.66      | Pass    |
|                |         |                 | 2   | 1.21                     | -18.79      | Pass    |
|                |         | 2437            | 1   | 2.34                     | -17.66      | Pass    |
|                |         |                 | 2   | 1.21                     | -18.79      | Pass    |
|                |         | 2452            | 1   | 2.34                     | -17.66      | Pass    |
|                |         |                 | 2   | 1.21                     | -18.79      | Pass    |

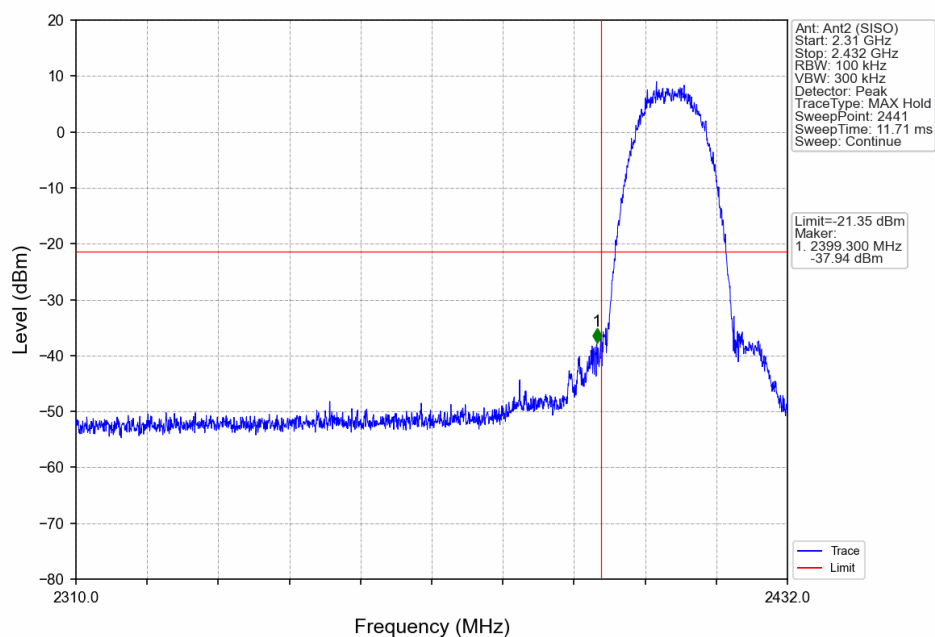
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

## 5.2.2 Test Graph

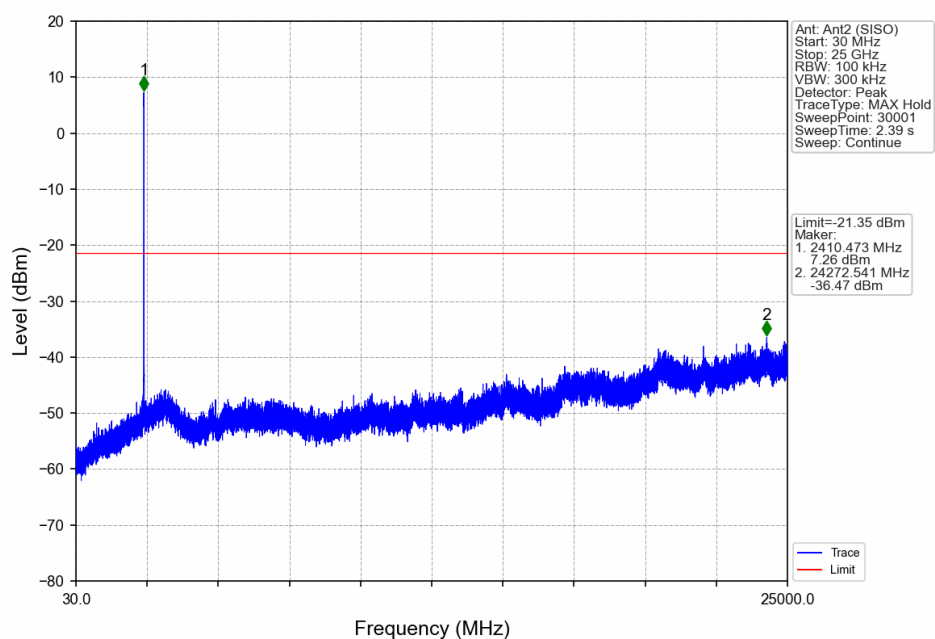




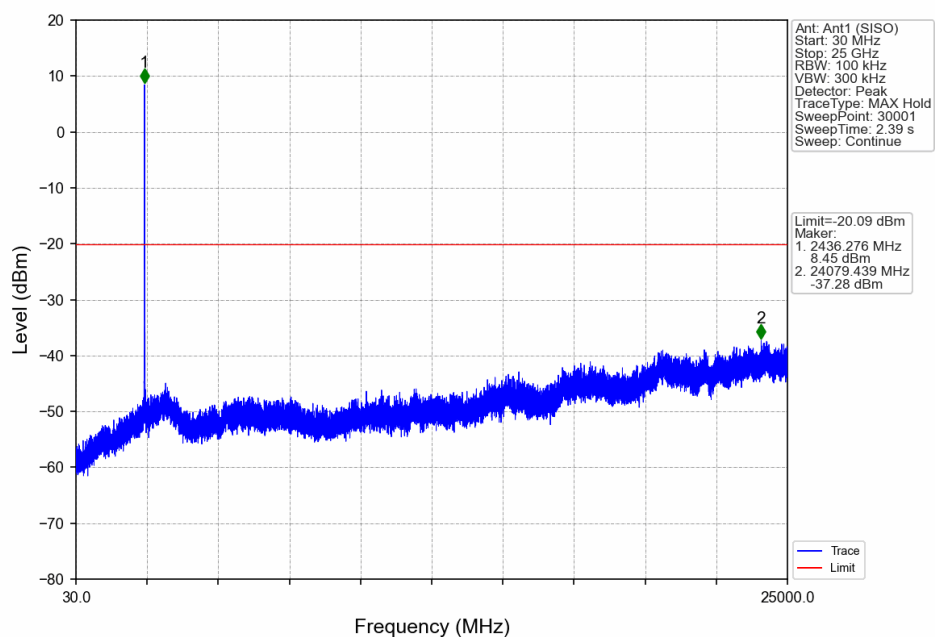
## 802.11b LCH 2412MHz\_Ant2 (SISO) NTN



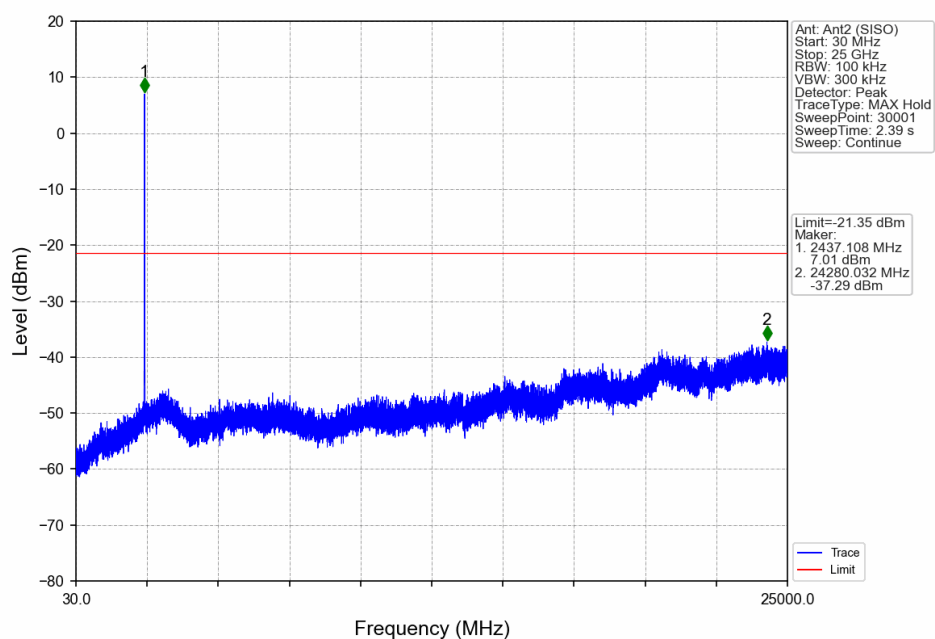
## 802.11b LCH 2412MHz\_Ant2 (SISO) NTN



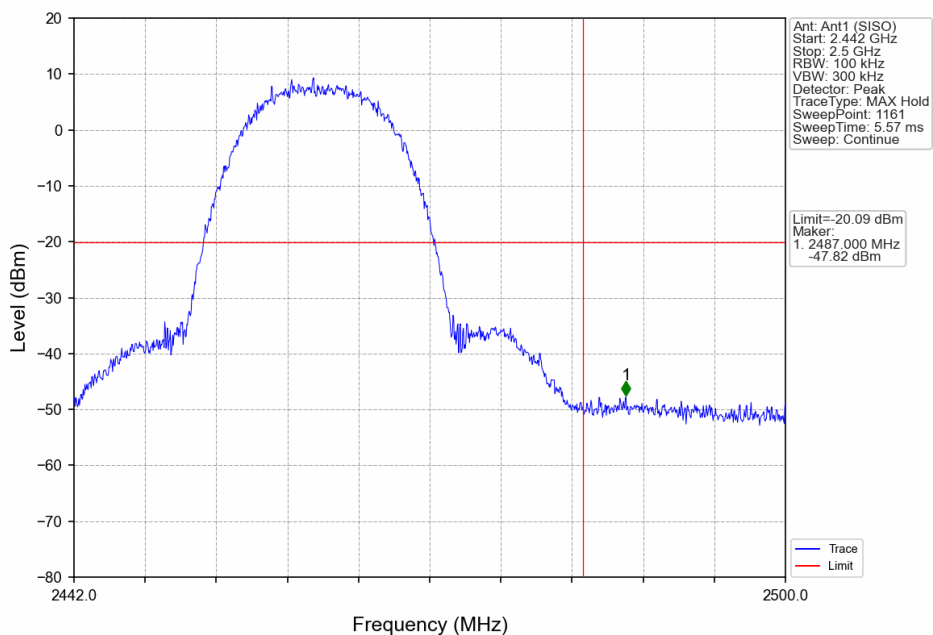
## 802.11b\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



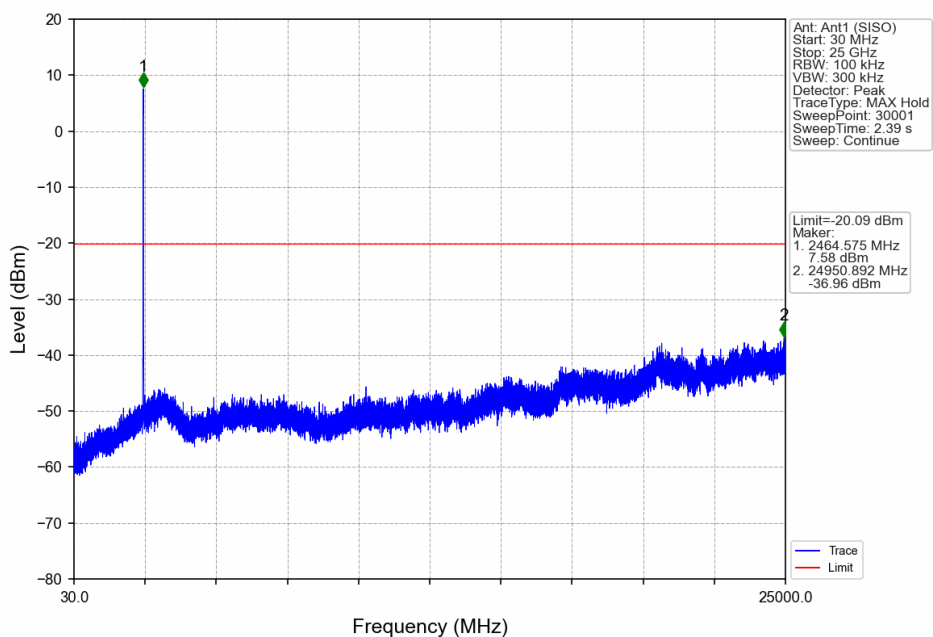
## 802.11b\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV



## 802.11b HCH 2462MHz\_Ant1 (SISO)\_NTNV

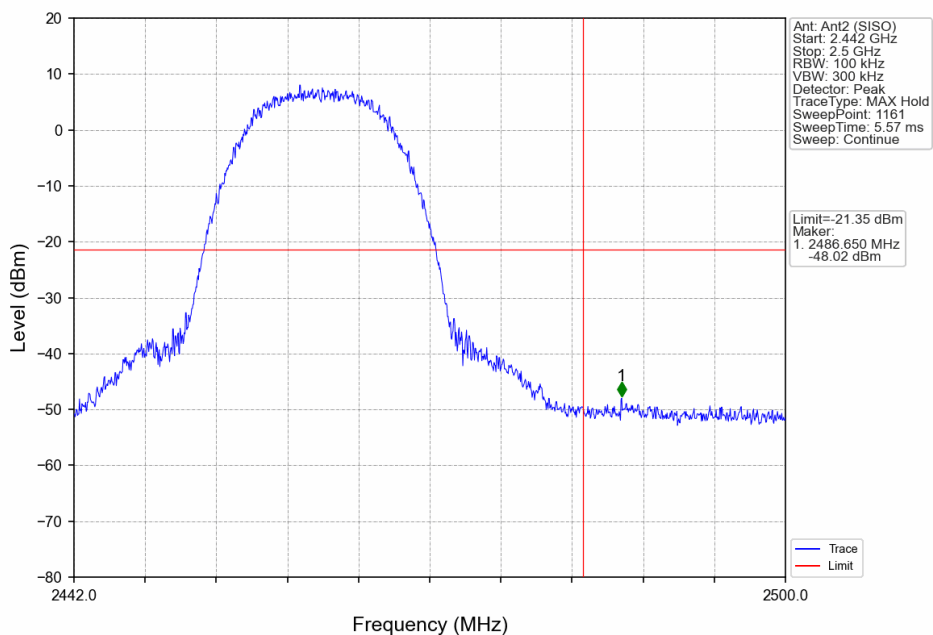


## 802.11b HCH 2462MHz\_Ant1 (SISO)\_NTNV

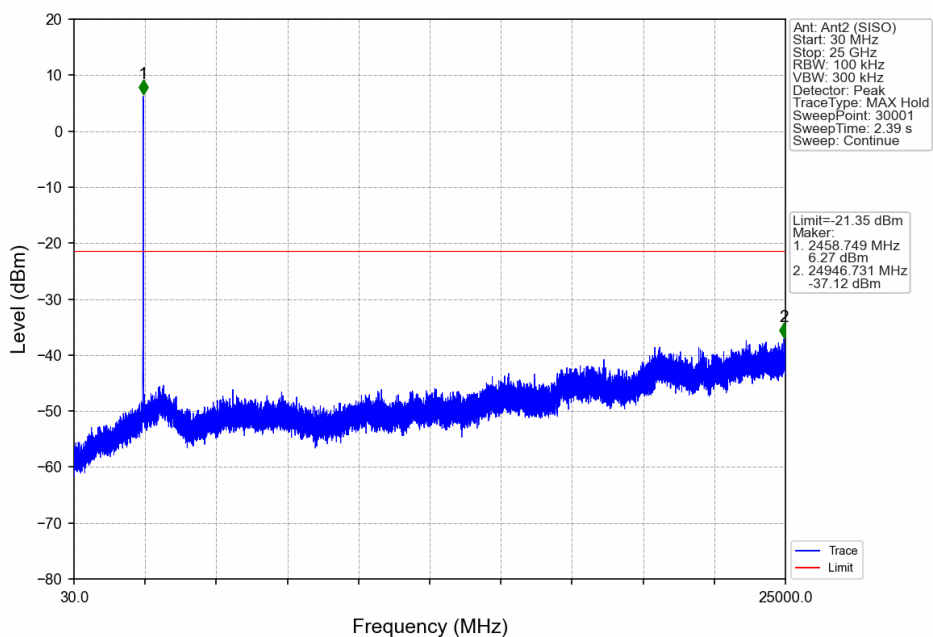




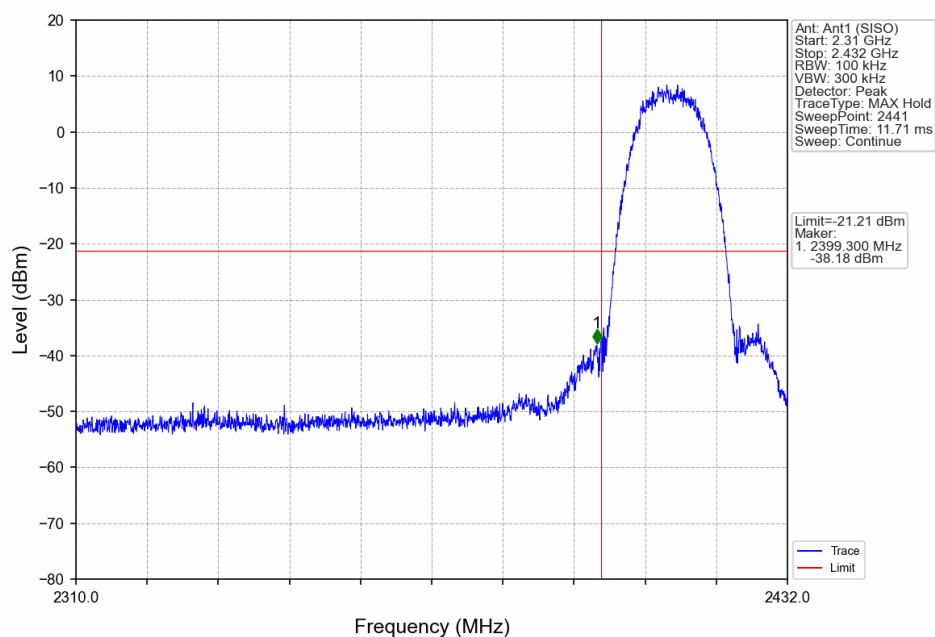
## 802.11b HCH 2462MHz Ant2 (SISO) NTN



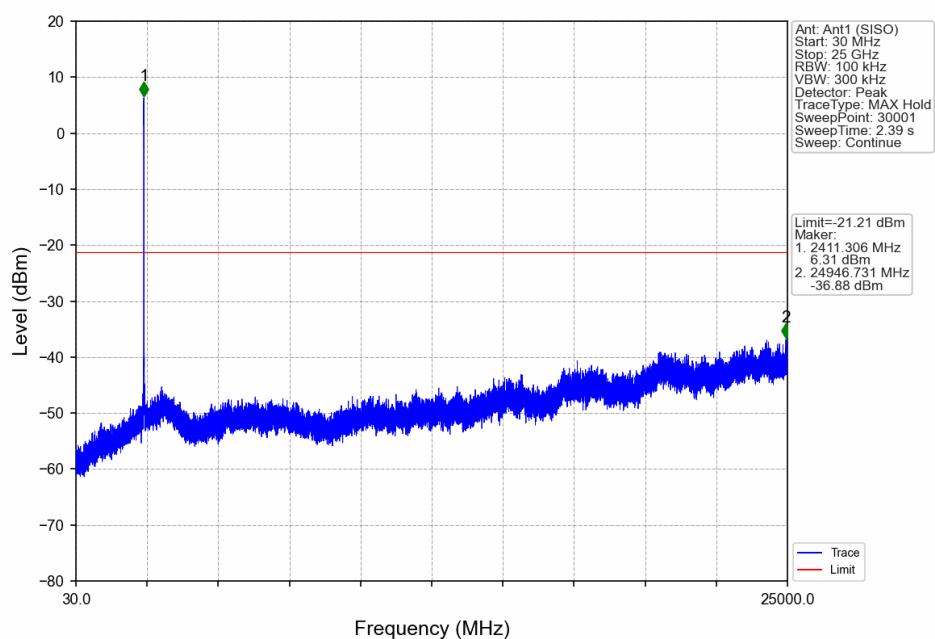
## 802.11b HCH 2462MHz Ant2 (SISO) NTN



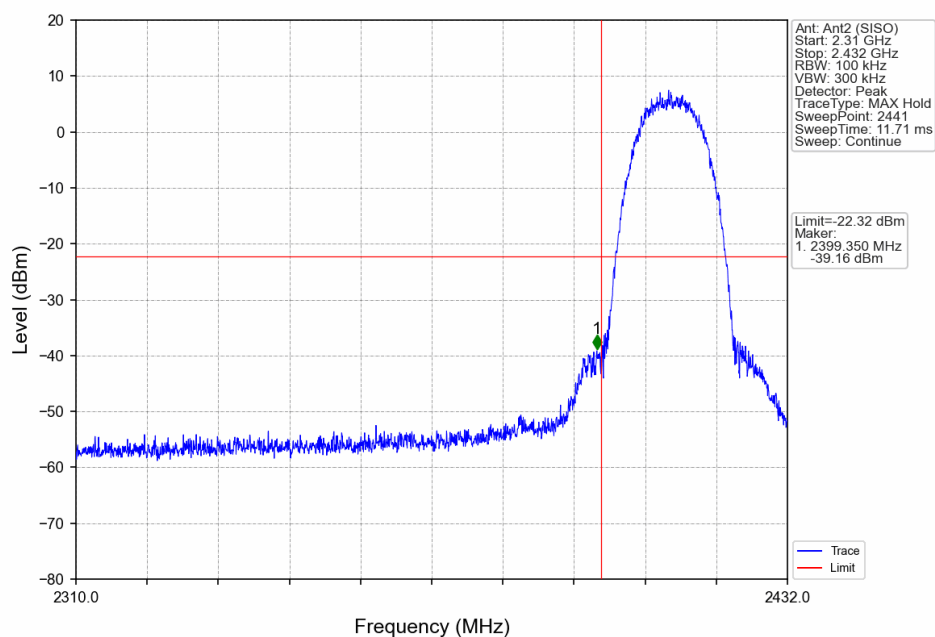
## 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



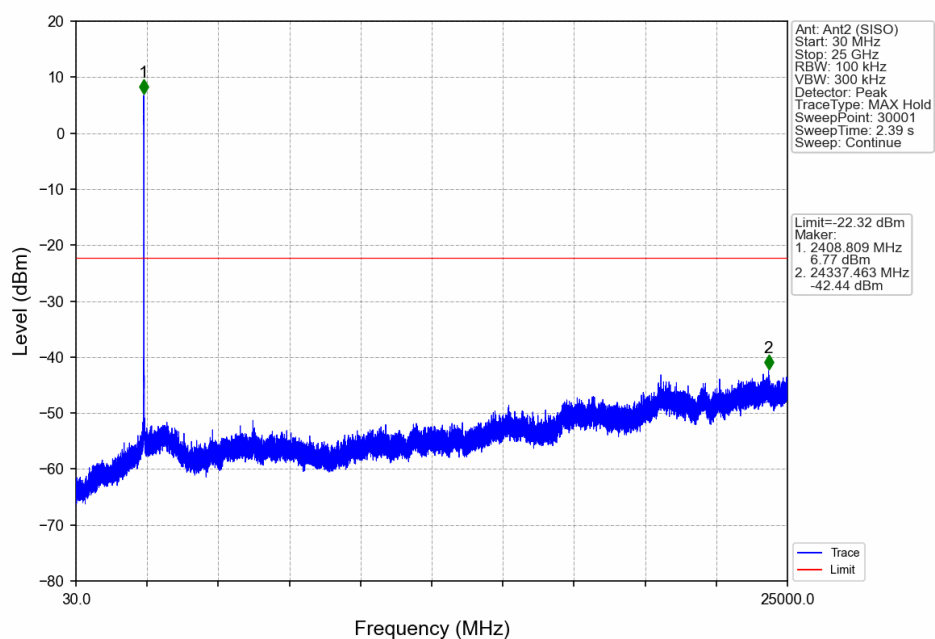
## 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



## 802.11g\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV

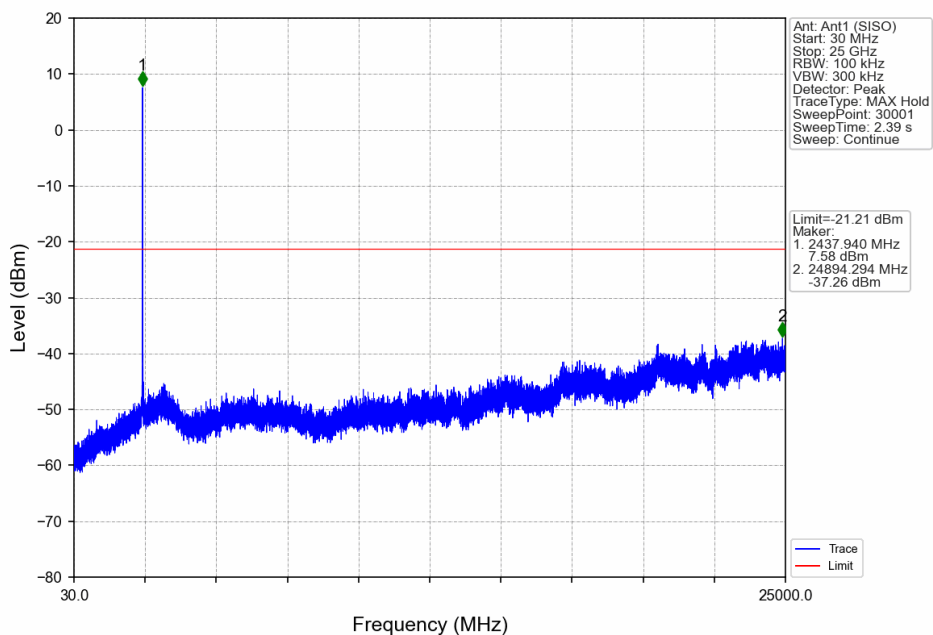


## 802.11g\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV

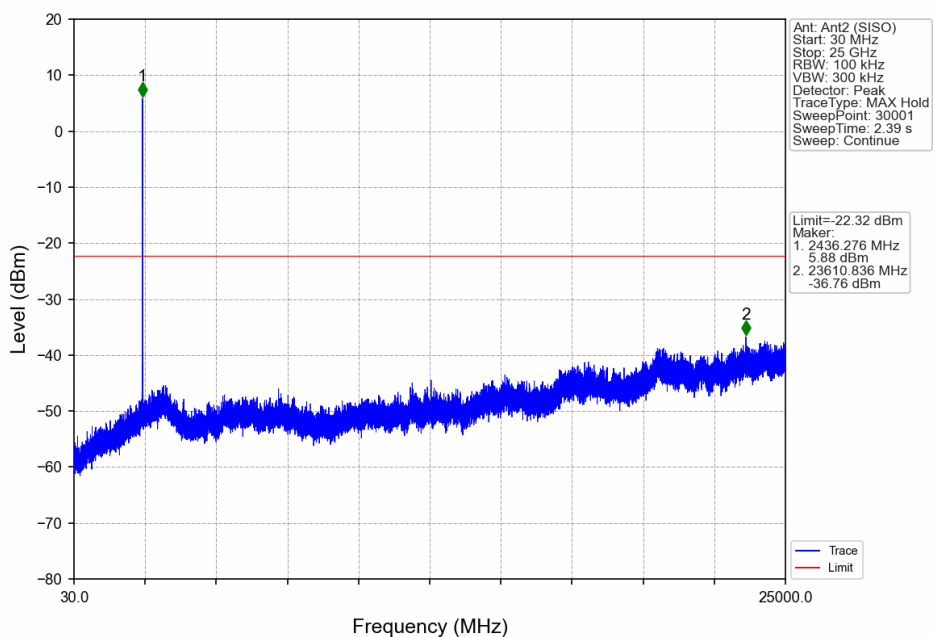




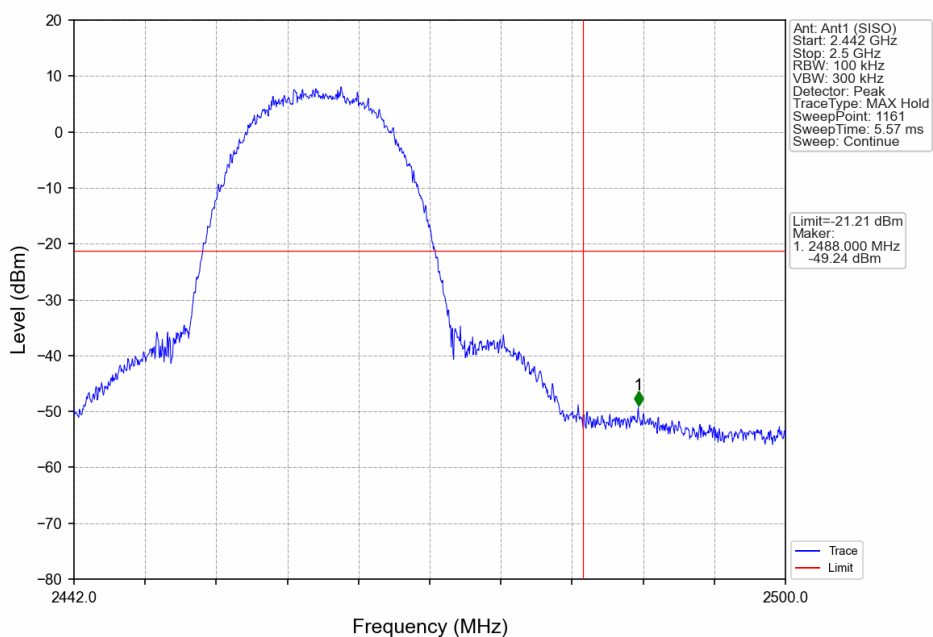
## 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



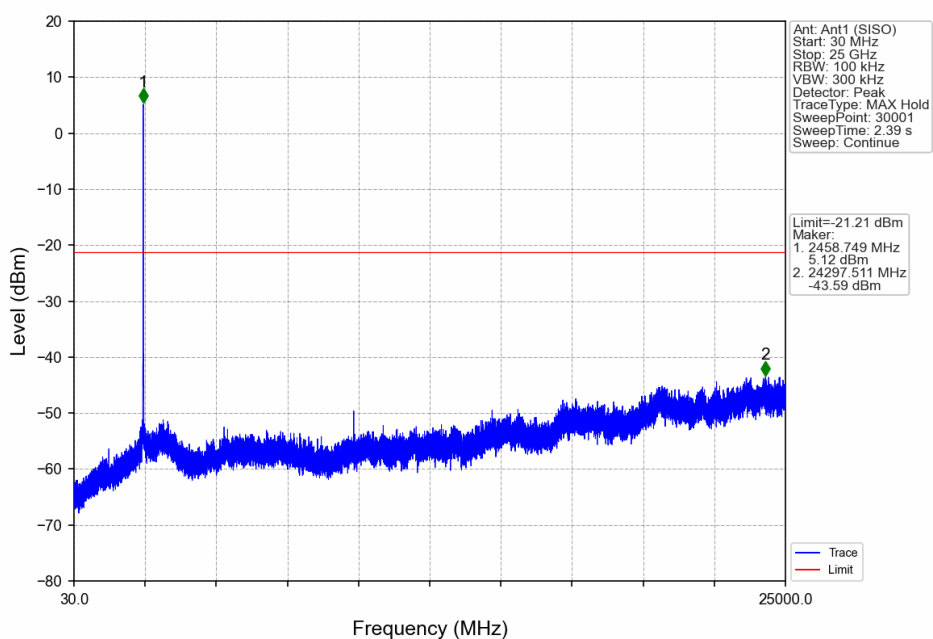
## 802.11g\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV



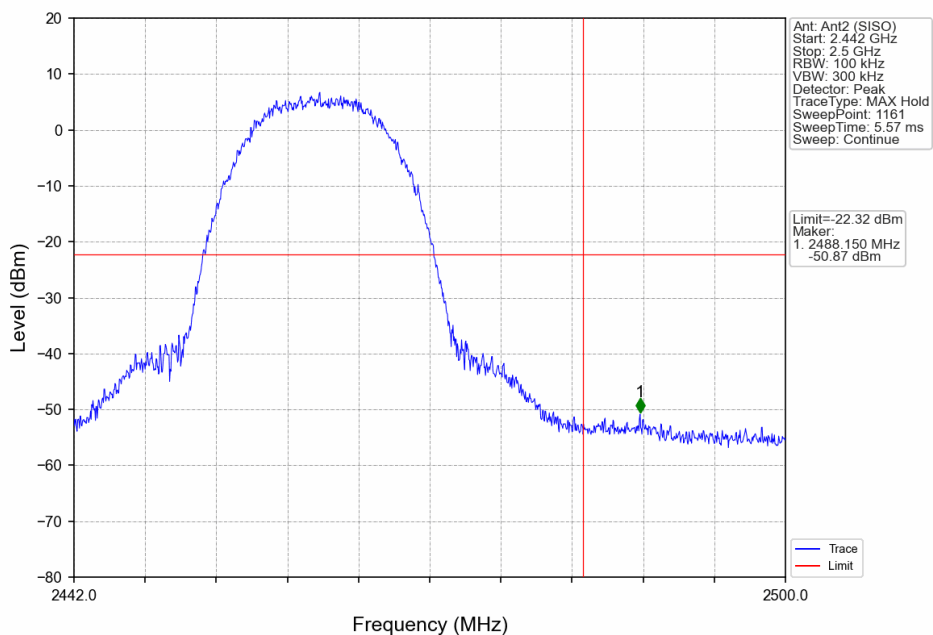
## 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



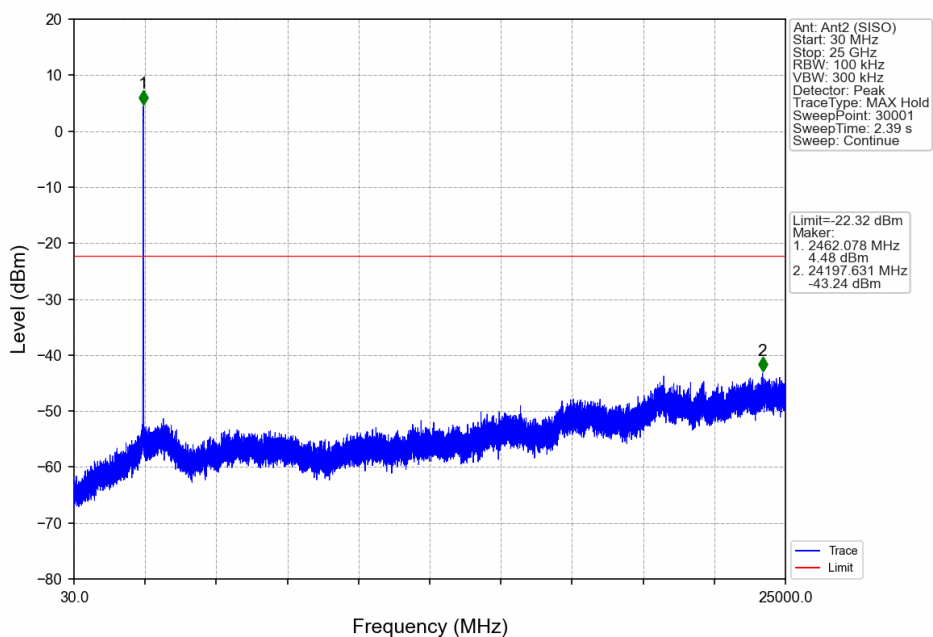
## 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



## 802.11g\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV

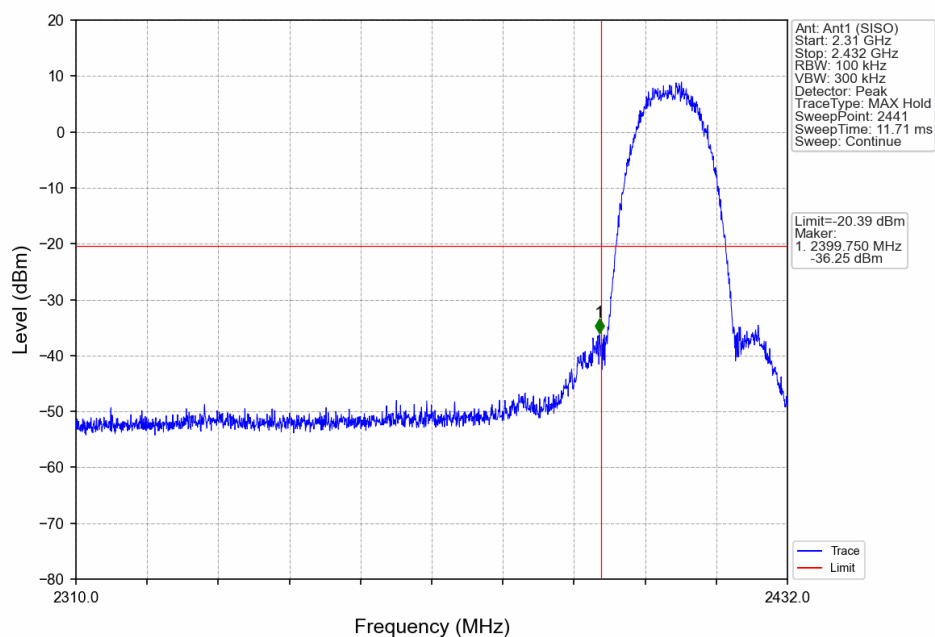


## 802.11g\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV

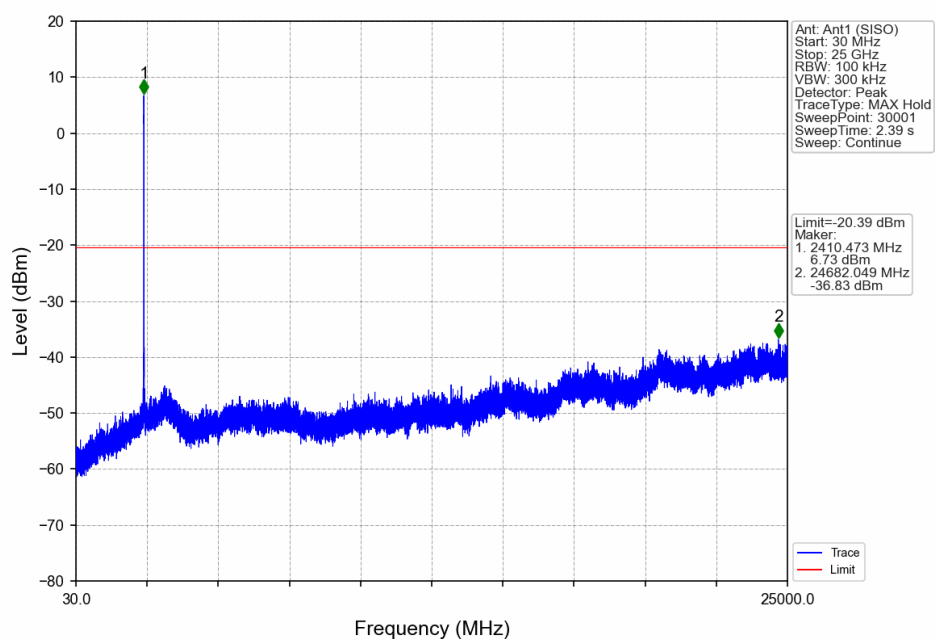




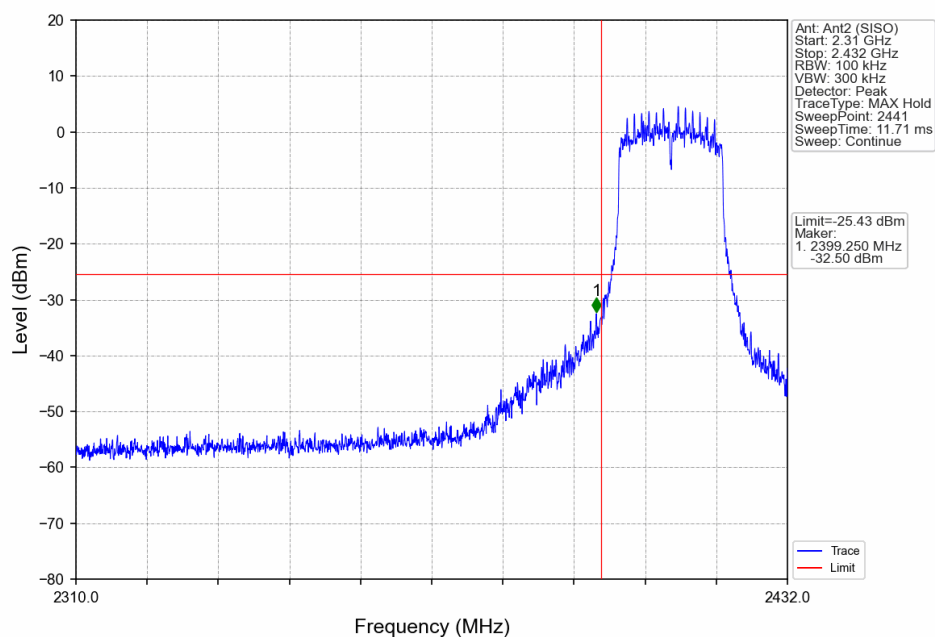
## 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



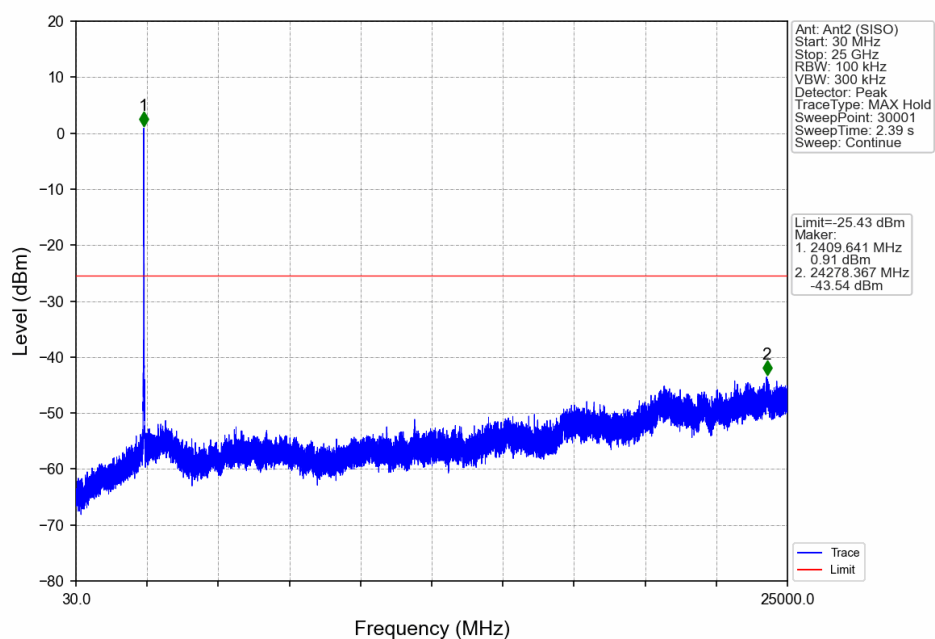
## 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



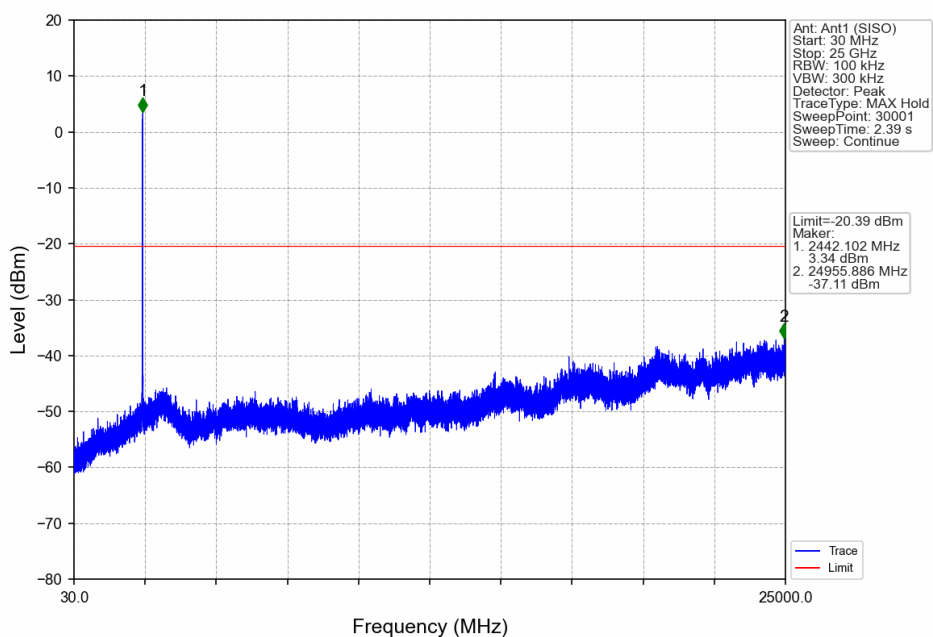
## 802.11n(HT20)\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV



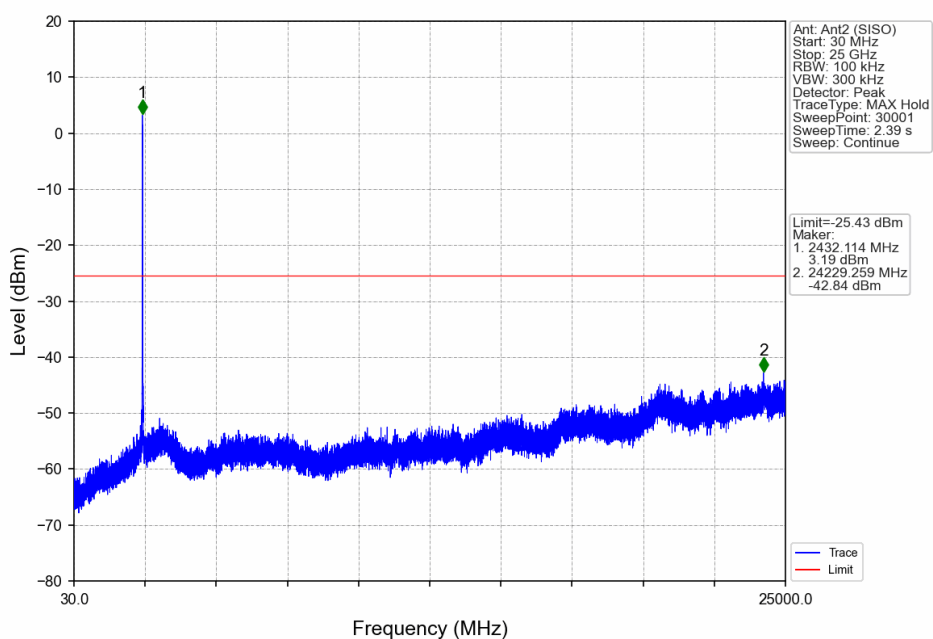
## 802.11n(HT20)\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV



## 802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

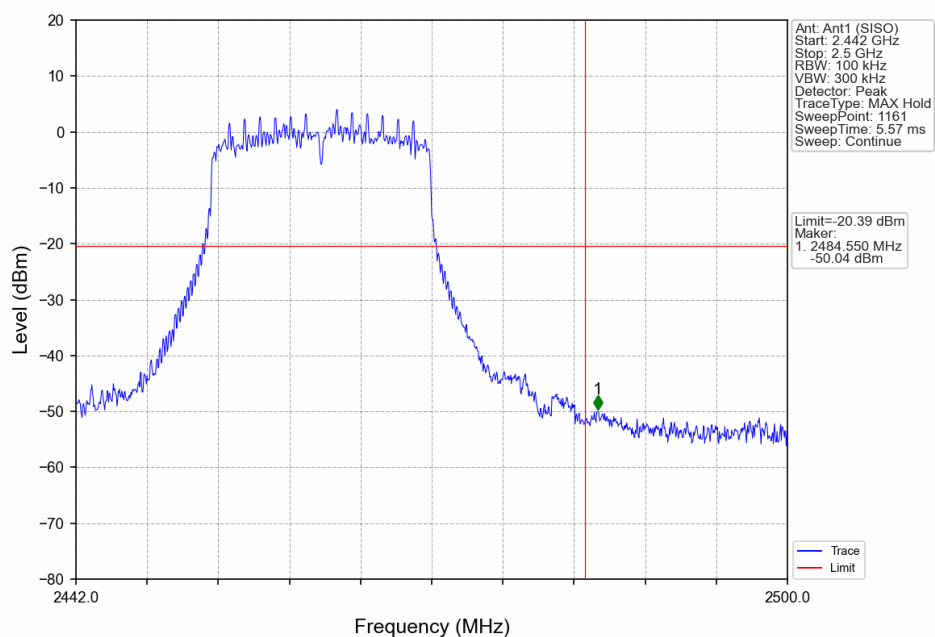


## 802.11n(HT20)\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV

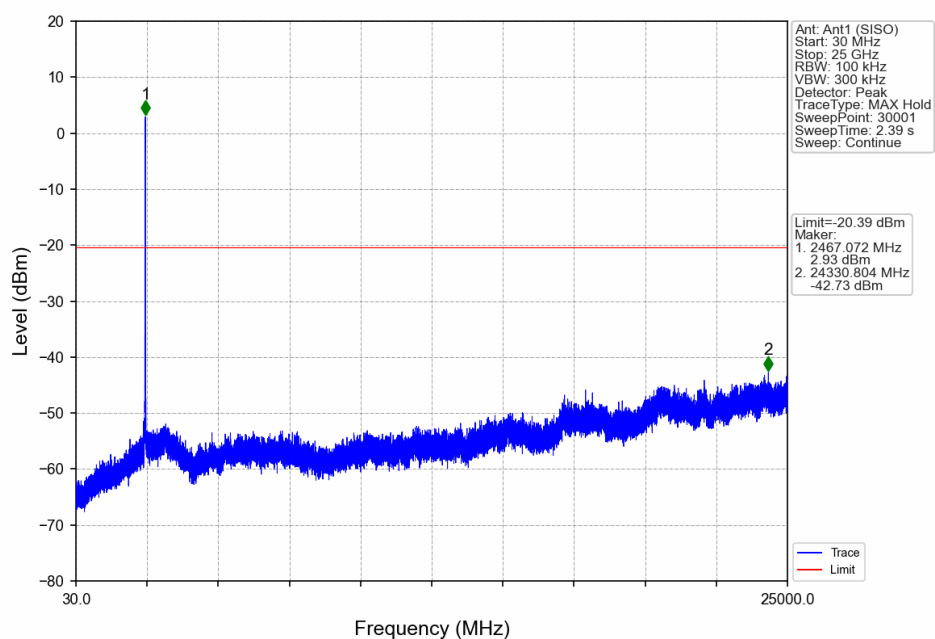




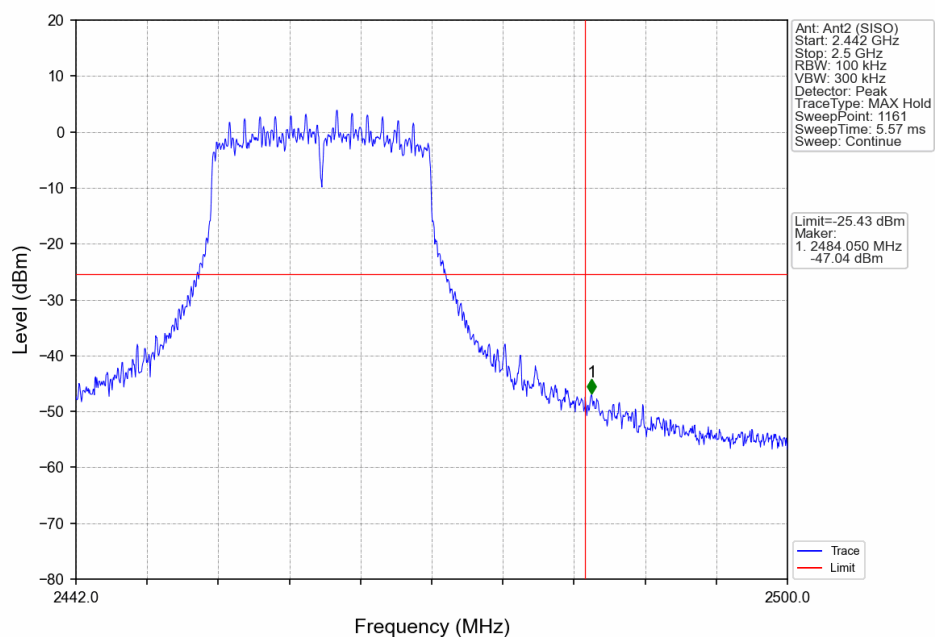
## 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



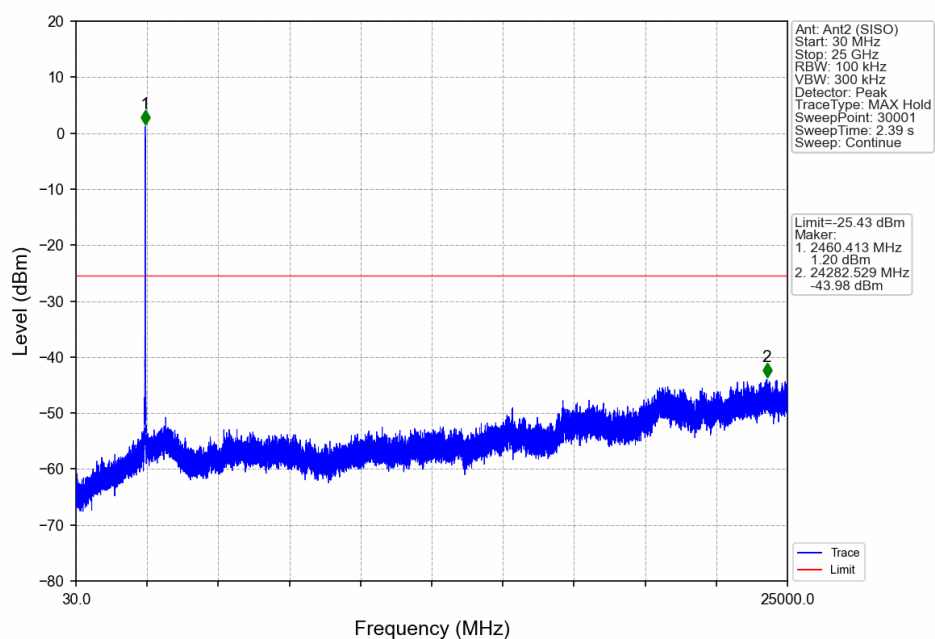
## 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



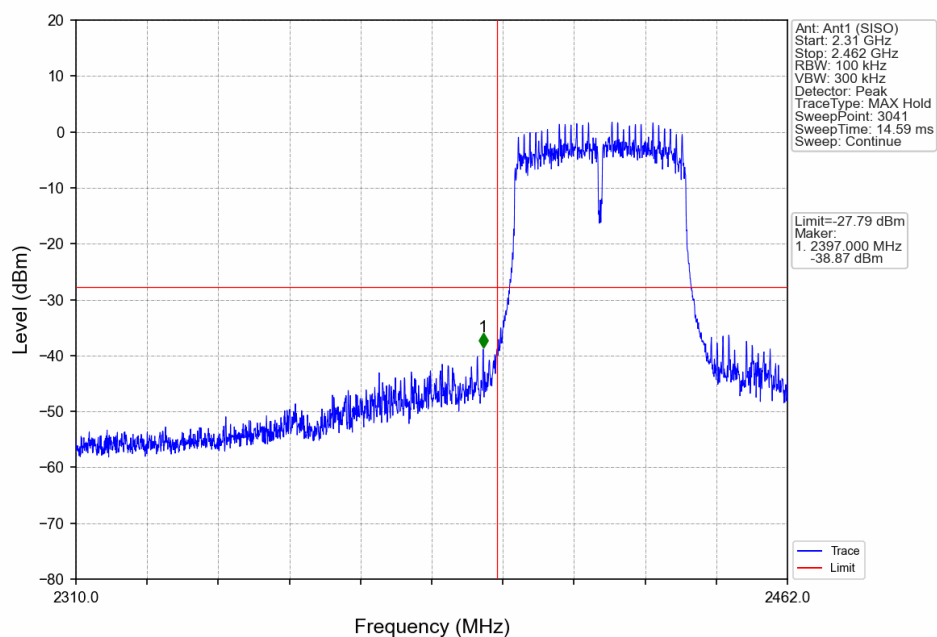
## 802.11n(HT20)\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV



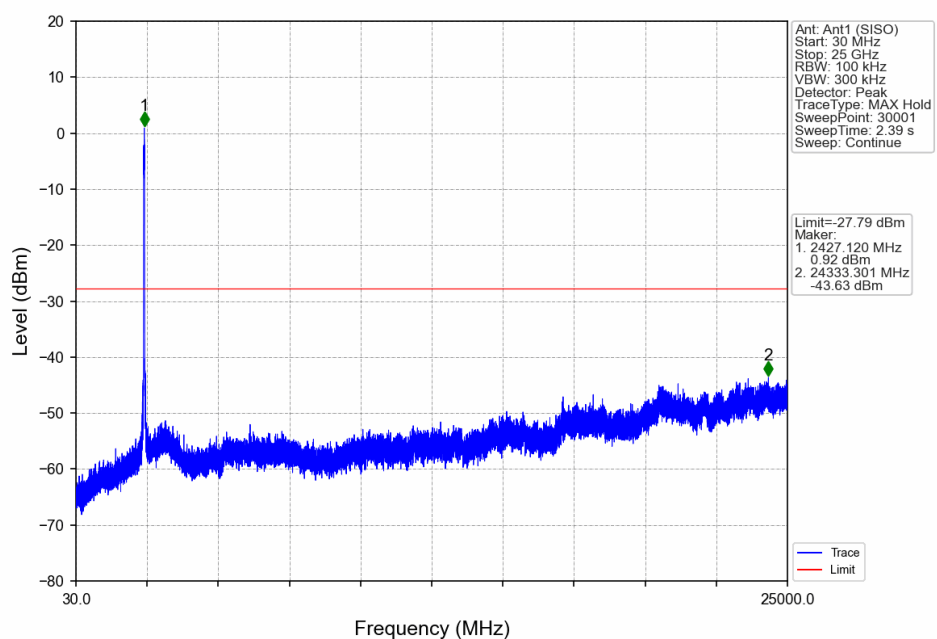
## 802.11n(HT20)\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV



## 802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV

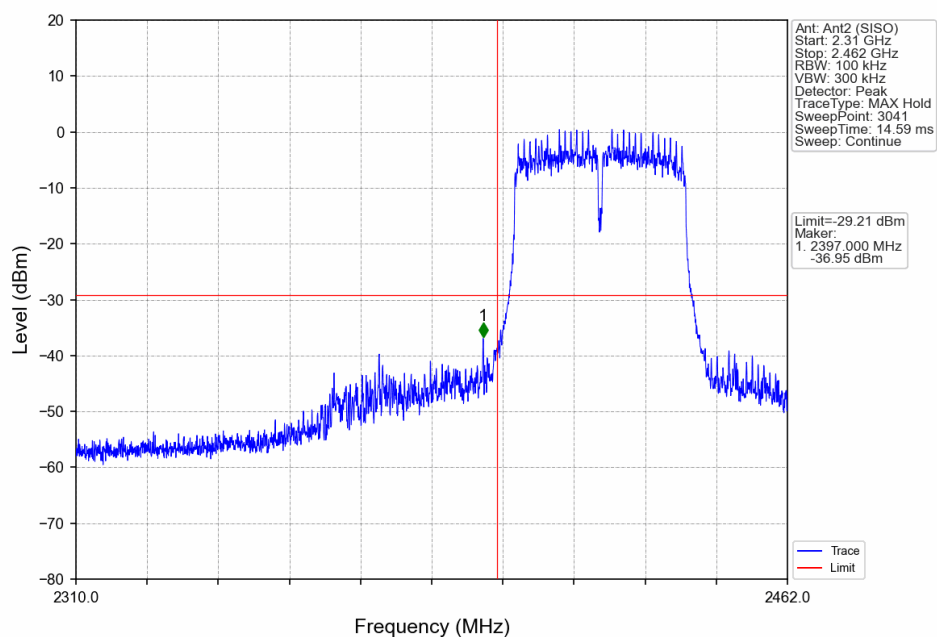


## 802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV

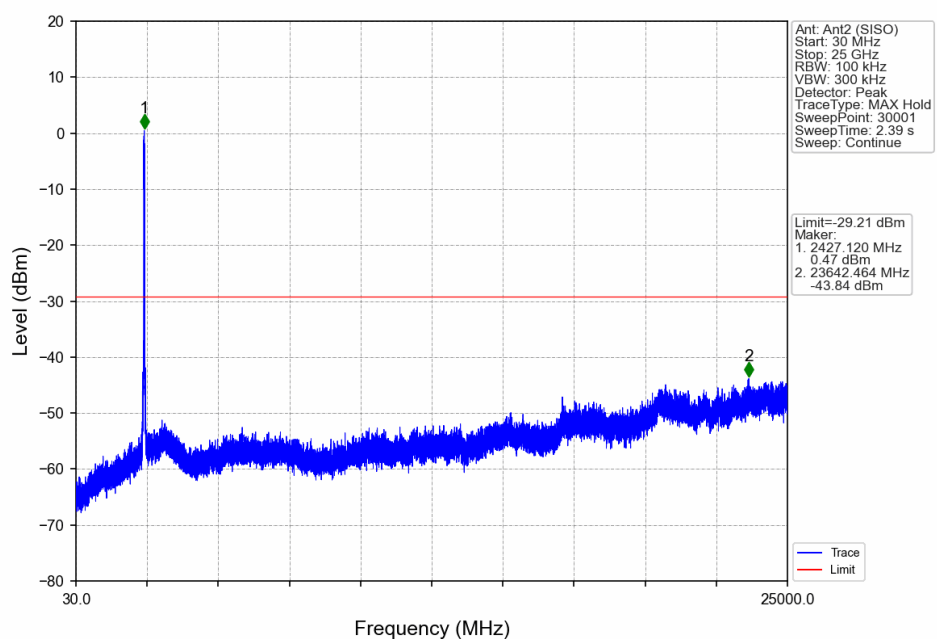




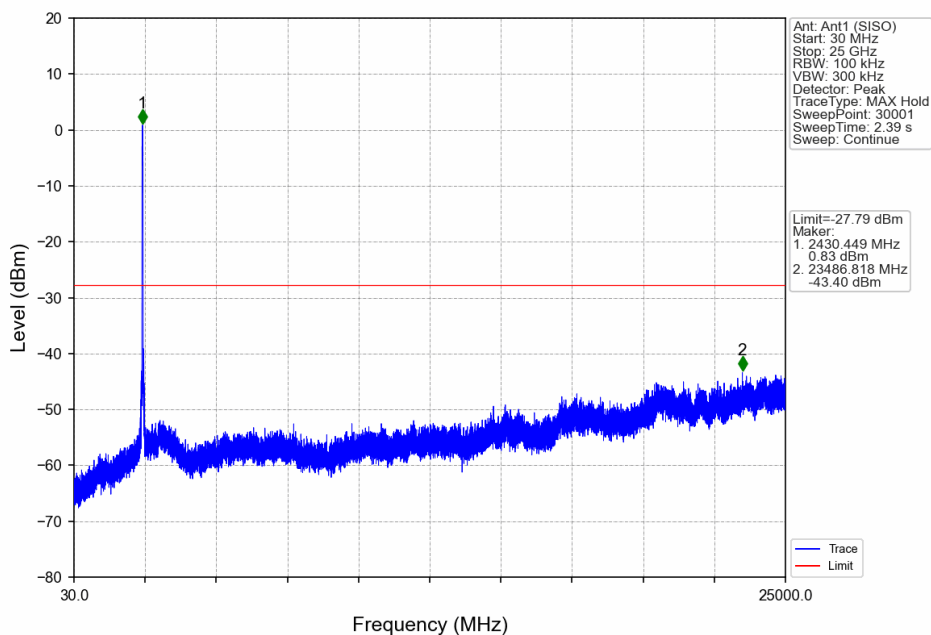
## 802.11n(HT40)\_LCH\_2422MHz\_Ant2 (SISO)\_NTNV



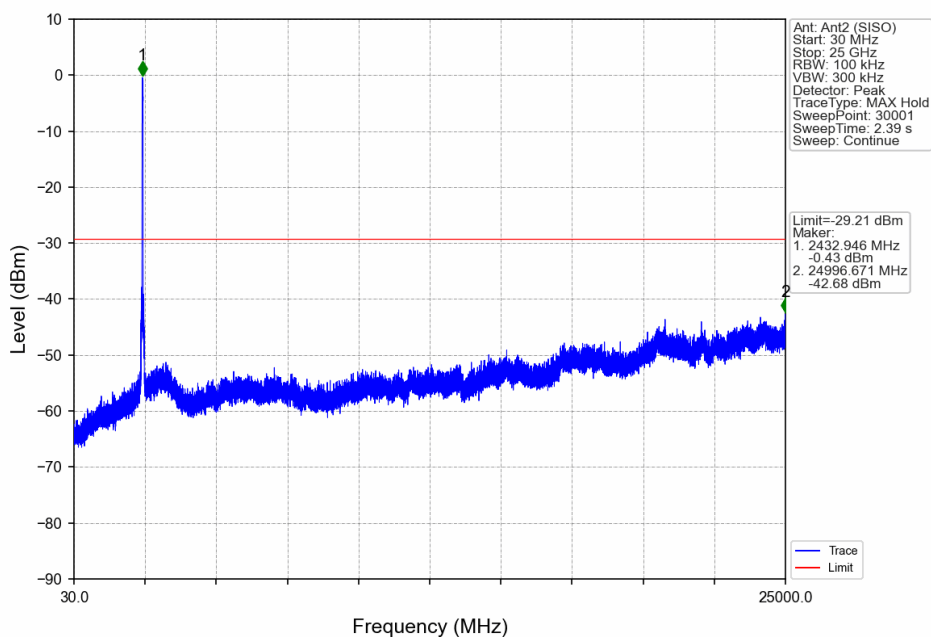
## 802.11n(HT40)\_LCH\_2422MHz\_Ant2 (SISO)\_NTNV



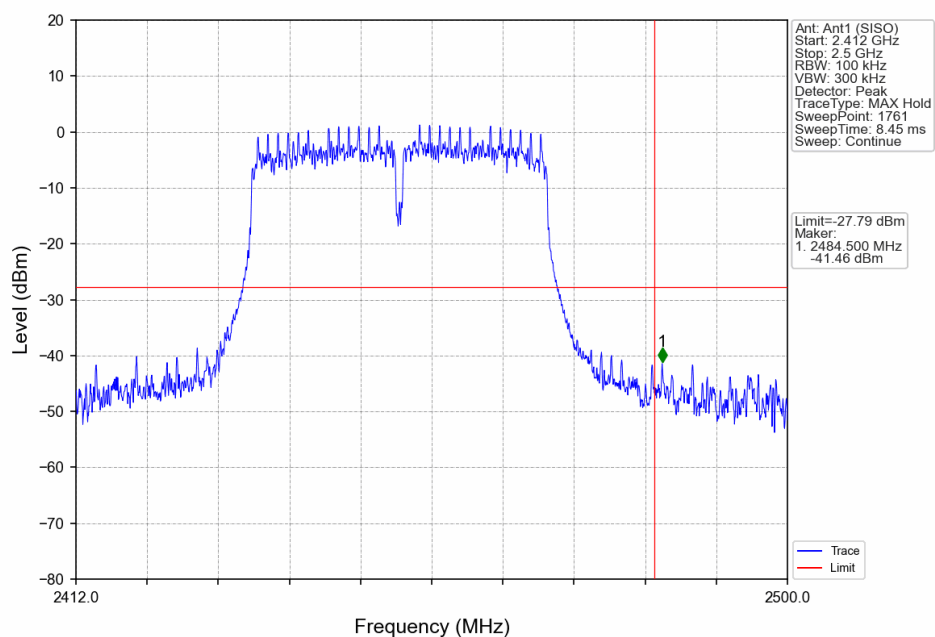
## 802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



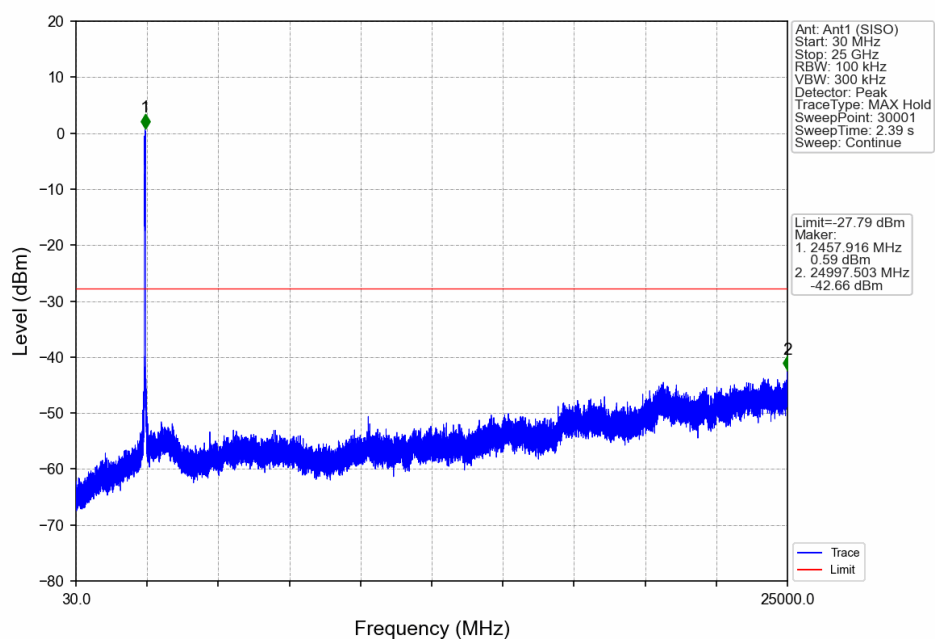
## 802.11n(HT40)\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV



## 802.11n(HT40)\_HCH\_2452MHz\_Ant1 (SISO)\_NTNV

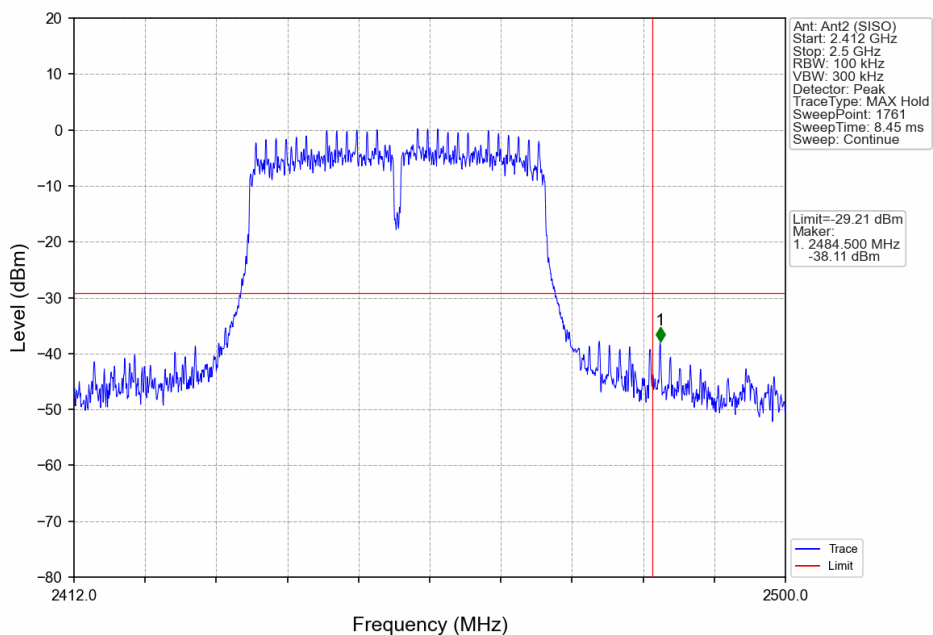


## 802.11n(HT40)\_HCH\_2452MHz\_Ant1 (SISO)\_NTNV

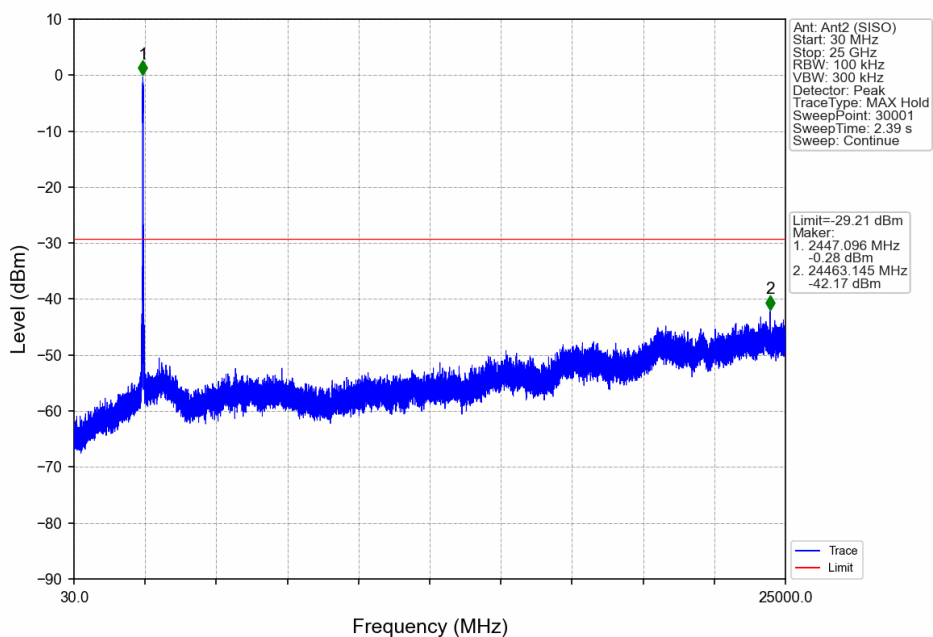




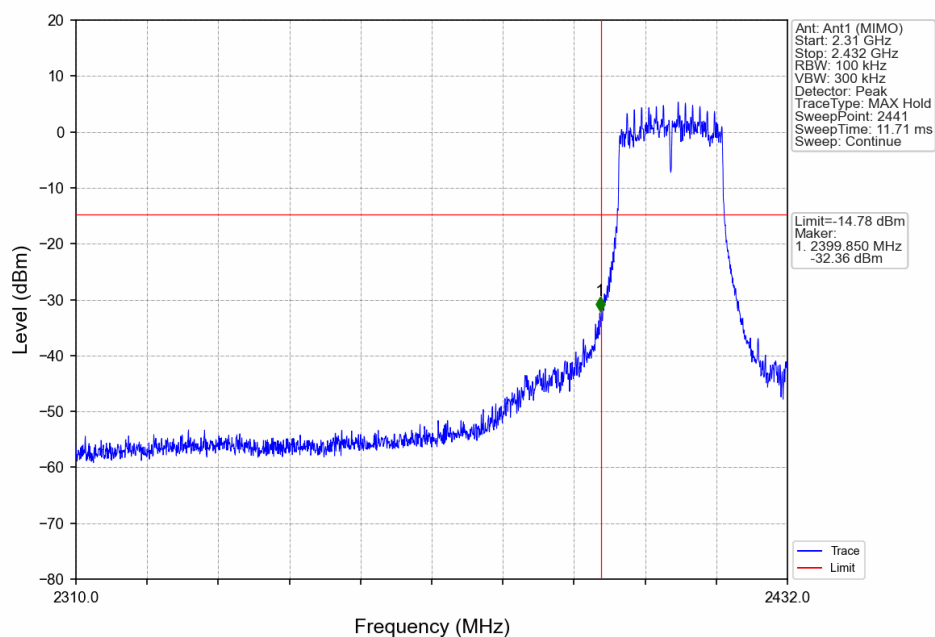
## 802.11n(HT40)\_HCH\_2452MHz\_Ant2 (SISO)\_NTNV



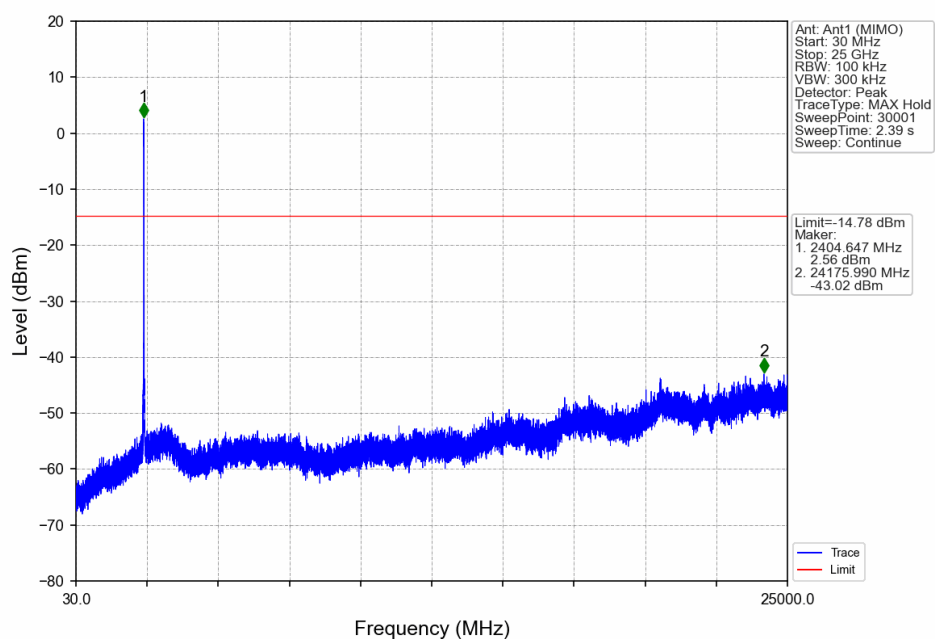
## 802.11n(HT40)\_HCH\_2452MHz\_Ant2 (SISO)\_NTNV



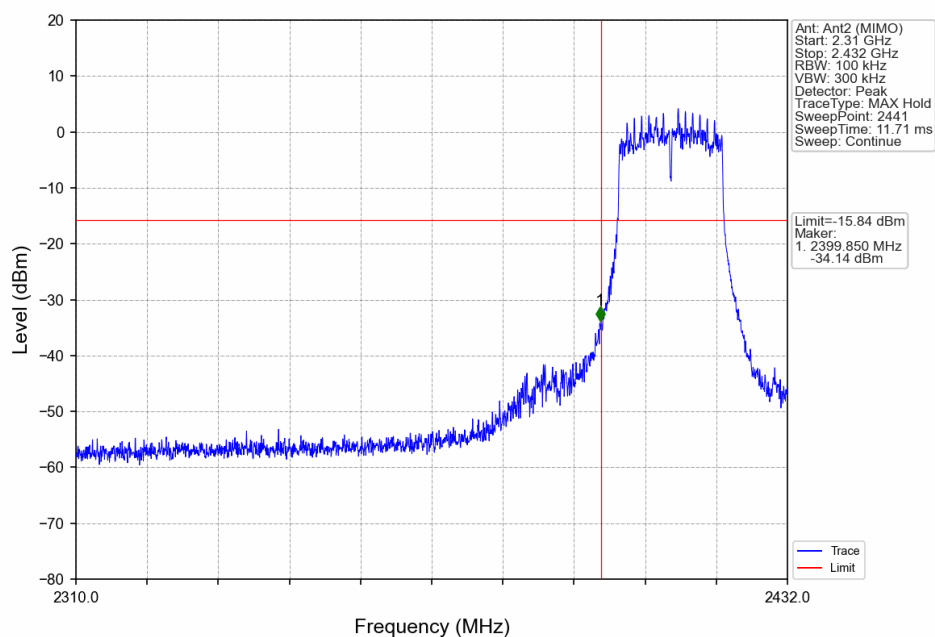
## 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (MIMO)\_NTNV



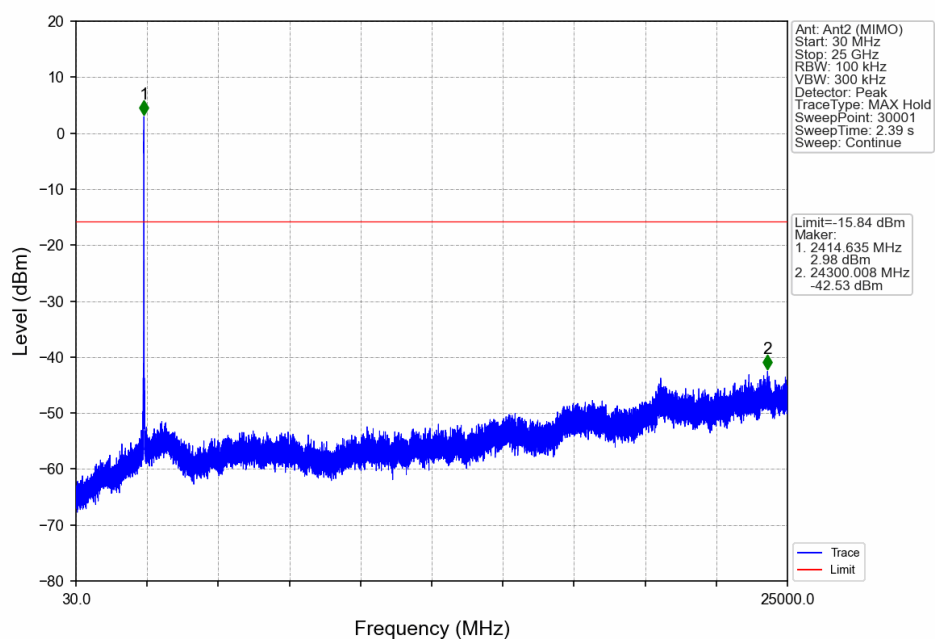
## 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (MIMO)\_NTNV



## 802.11n(HT20)\_LCH\_2412MHz\_Ant2 (MIMO)\_NTNV

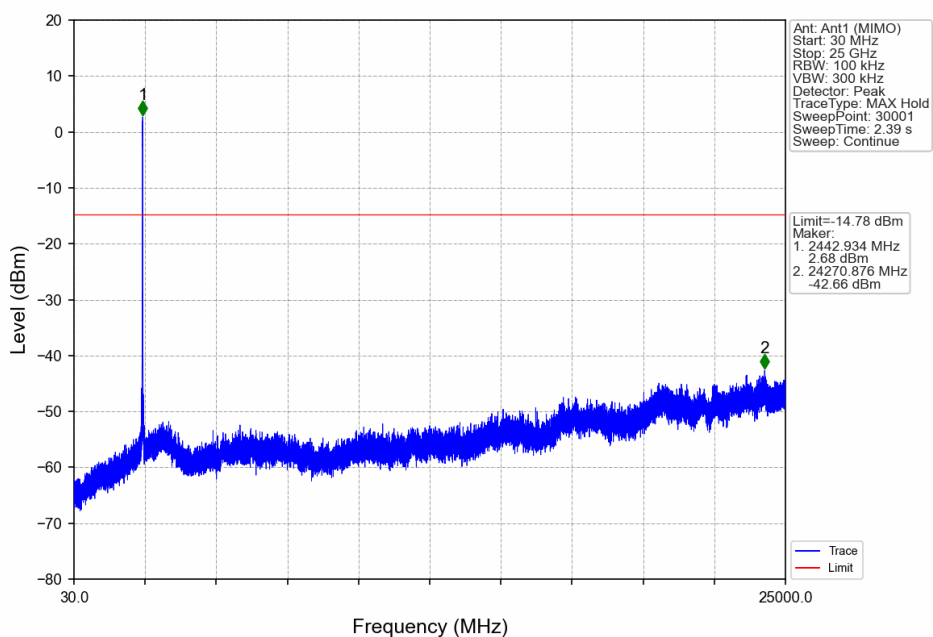


## 802.11n(HT20)\_LCH\_2412MHz\_Ant2 (MIMO)\_NTNV

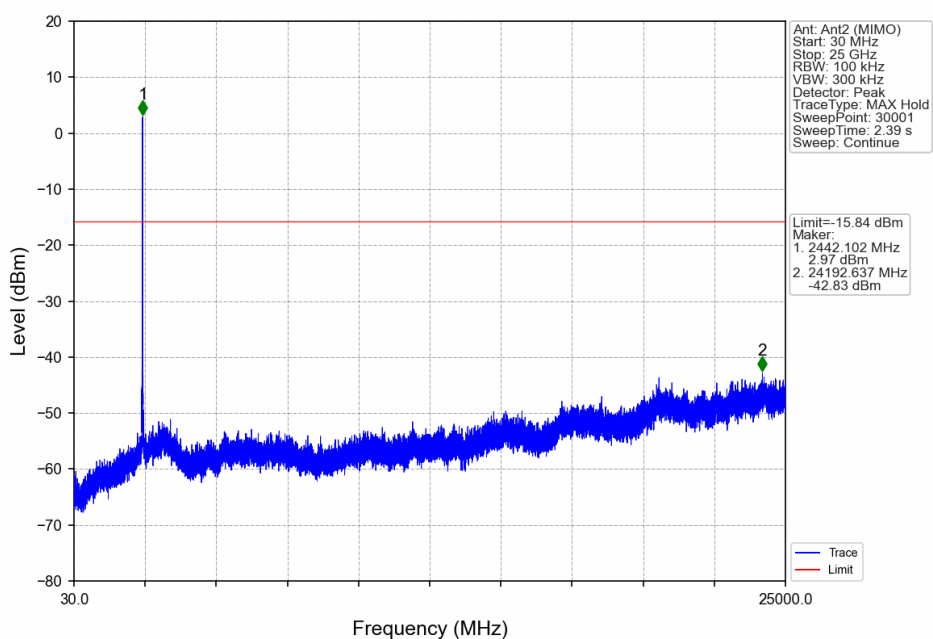




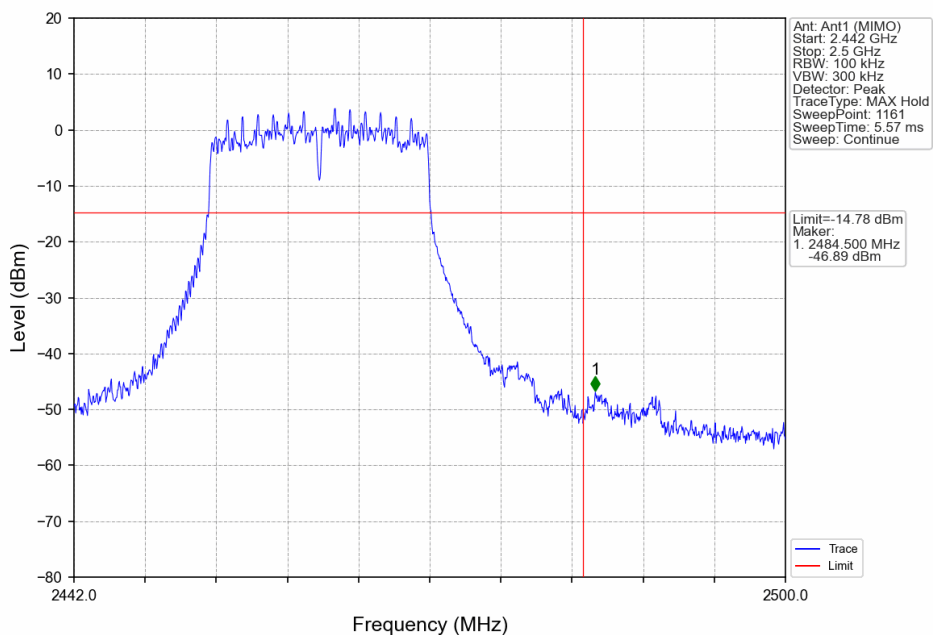
## 802.11n(HT20) MCH\_2437MHz\_Ant1 (MIMO) NTN



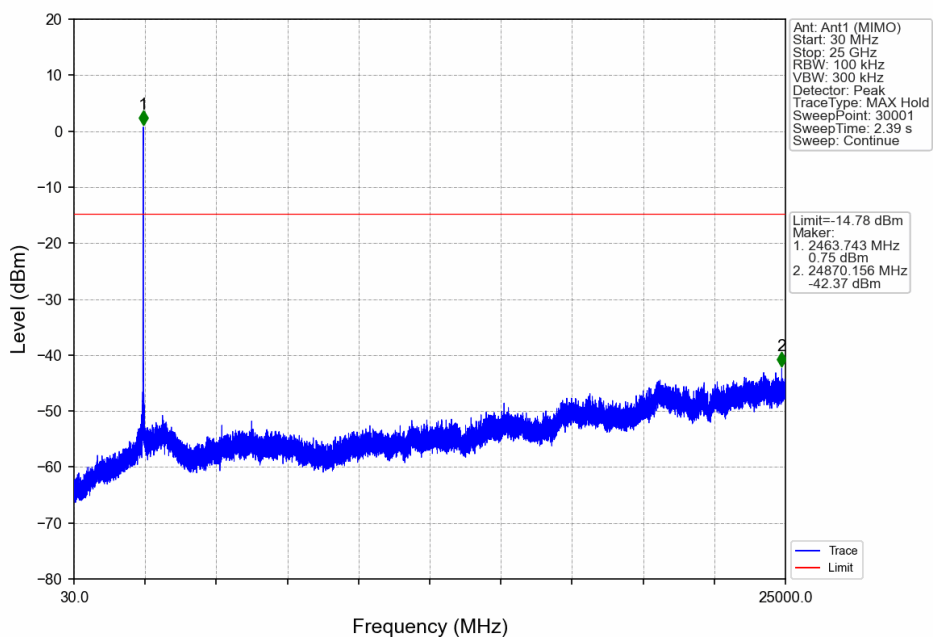
## 802.11n(HT20) MCH\_2437MHz\_Ant2 (MIMO) NTN



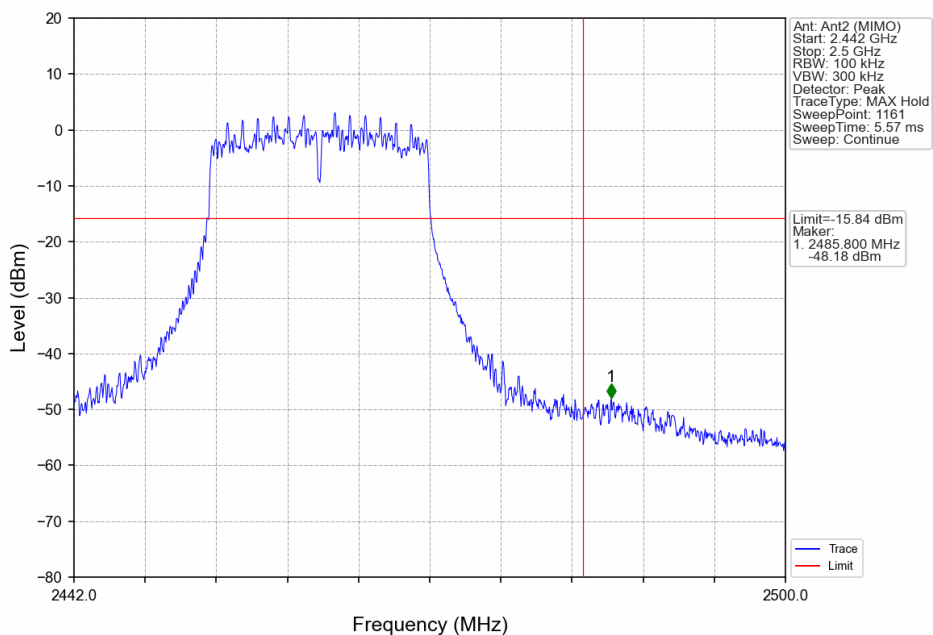
## 802.11n(HT20) HCH\_2462MHz\_Ant1 (MIMO)\_NTNV



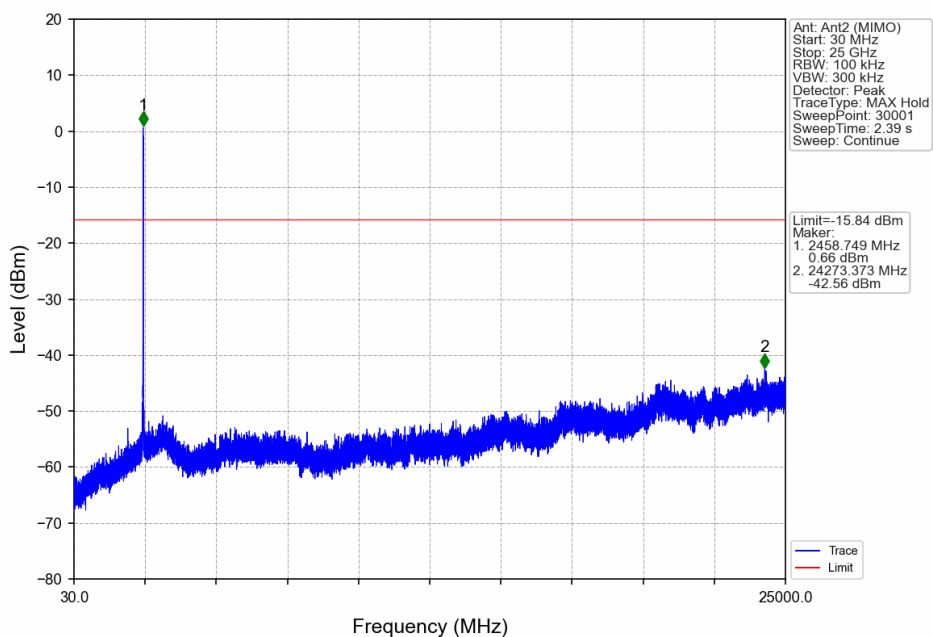
## 802.11n(HT20) HCH\_2462MHz\_Ant1 (MIMO)\_NTNV



## 802.11n(HT20) HCH\_2462MHz\_Ant2 (MIMO)\_NTNV

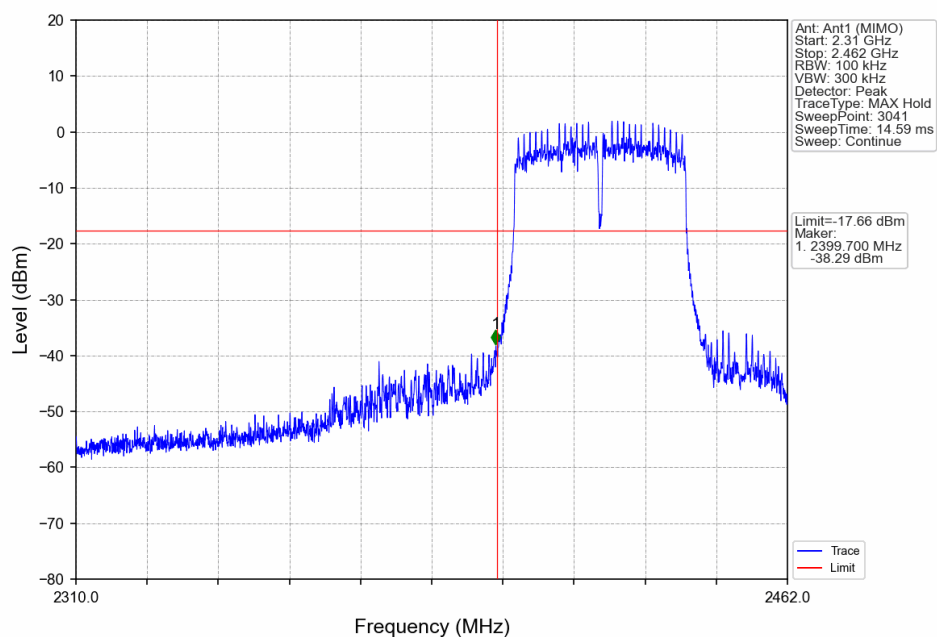


## 802.11n(HT20) HCH\_2462MHz\_Ant2 (MIMO)\_NTNV

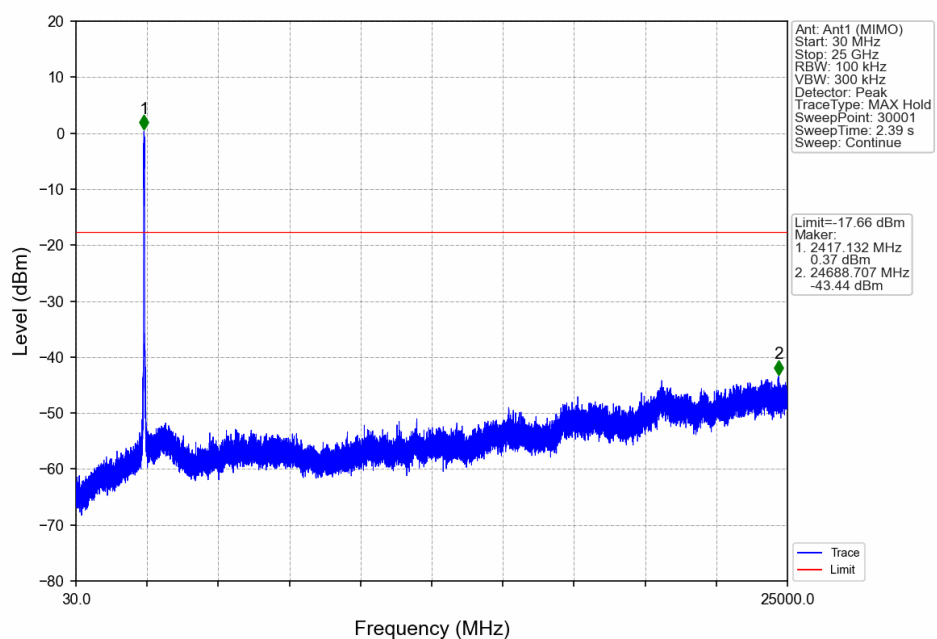




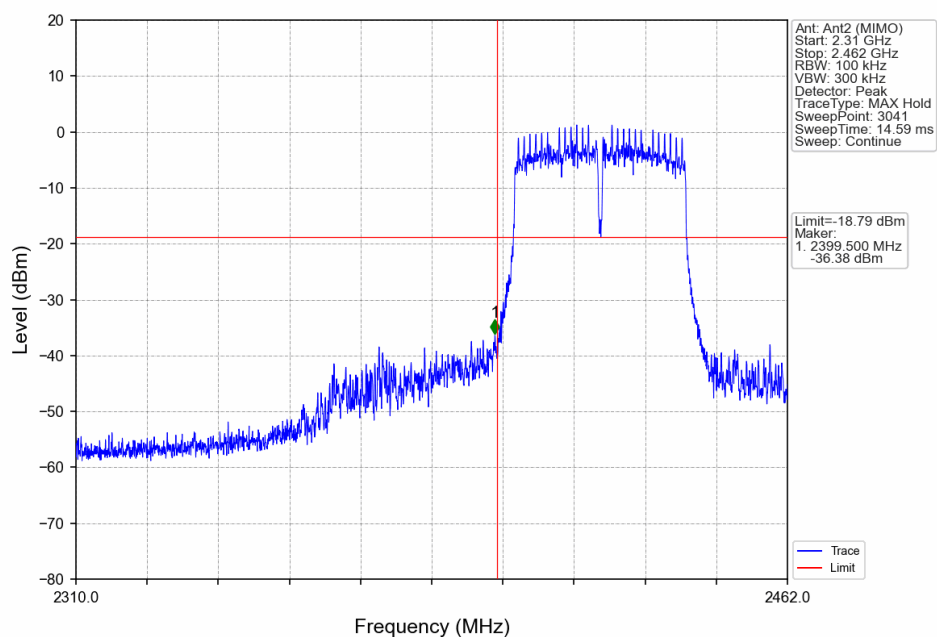
## 802.11n(HT40)\_LCH\_2422MHz\_Ant1 (MIMO)\_NTNV



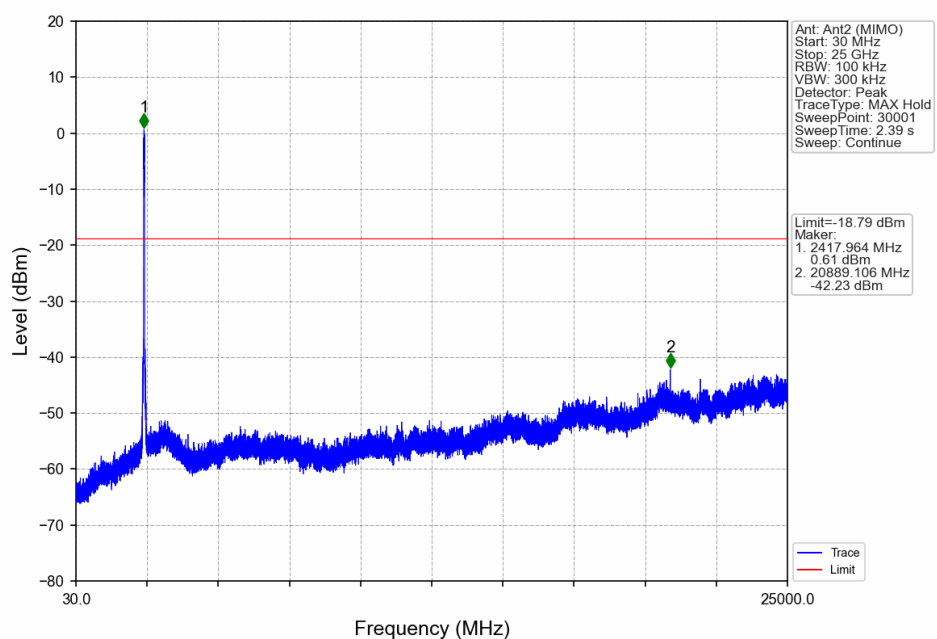
## 802.11n(HT40)\_LCH\_2422MHz\_Ant1 (MIMO)\_NTNV



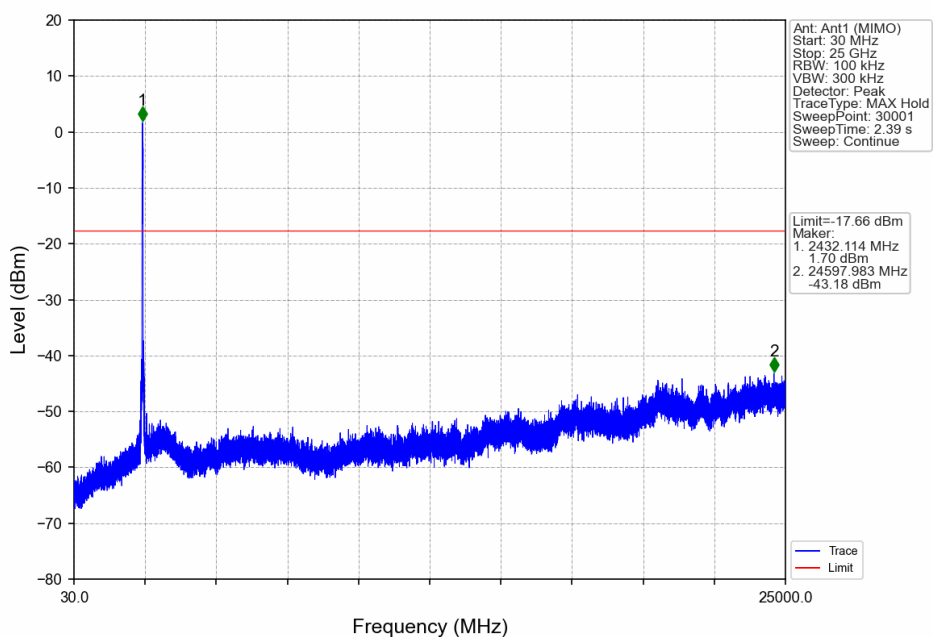
## 802.11n(HT40)\_LCH\_2422MHz\_Ant2 (MIMO)\_NTNV



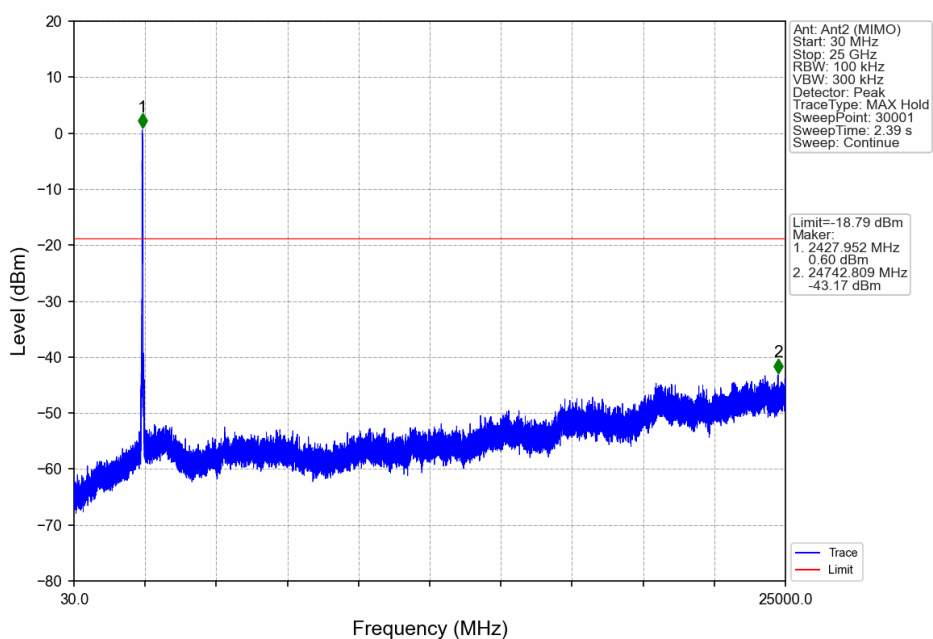
## 802.11n(HT40)\_LCH\_2422MHz\_Ant2 (MIMO)\_NTNV



## 802.11n(HT40) MCH\_2437MHz\_Ant1 (MIMO) NTN

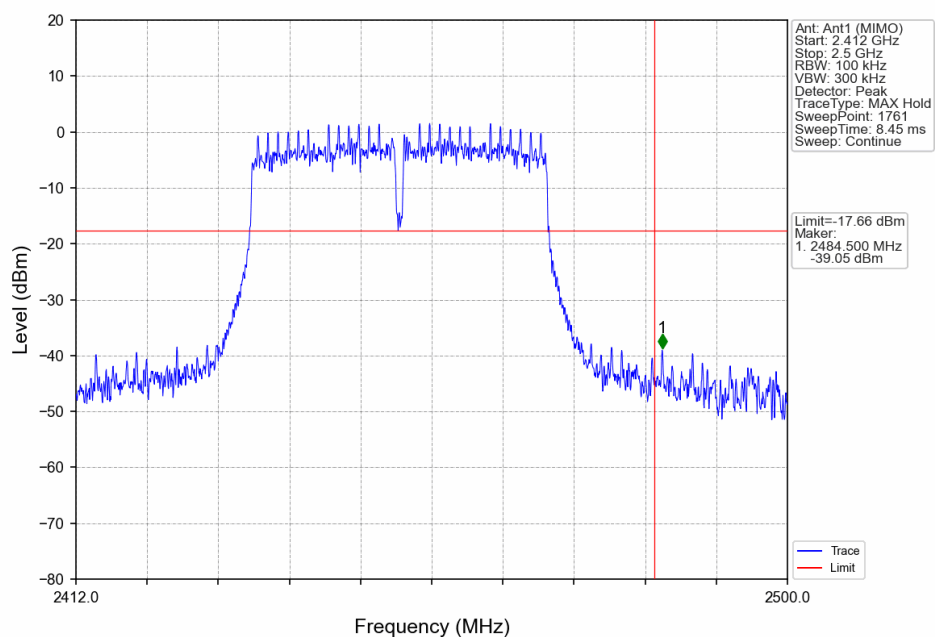


## 802.11n(HT40) MCH\_2437MHz\_Ant2 (MIMO) NTN

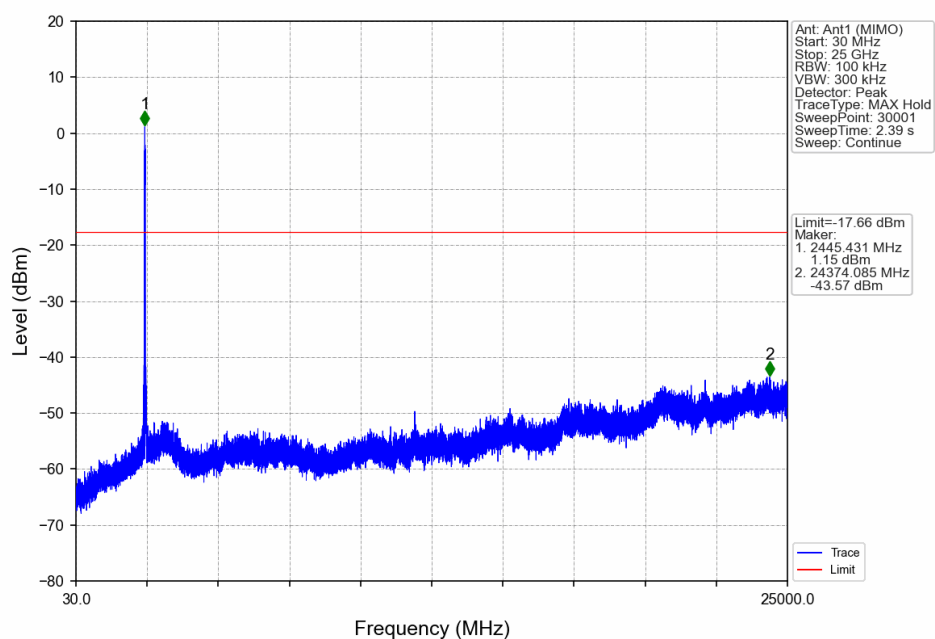




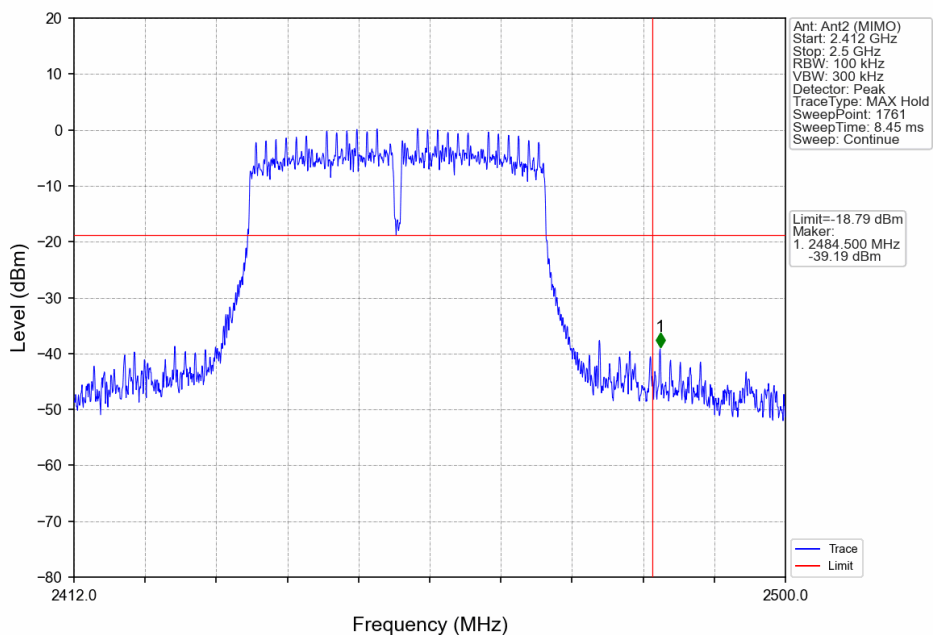
## 802.11n(HT40) HCH\_2452MHz\_Ant1 (MIMO)\_NTNV



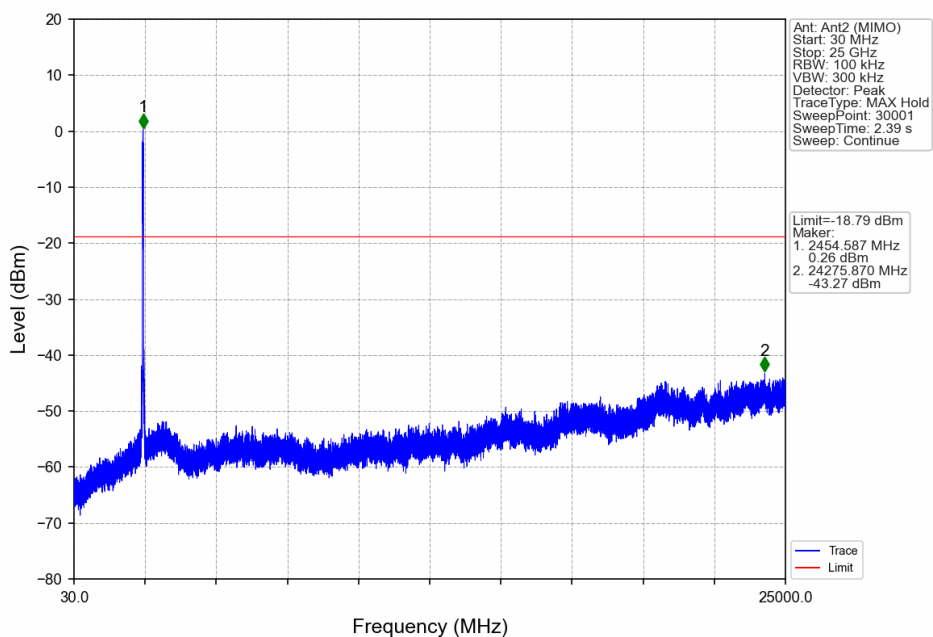
## 802.11n(HT40) HCH\_2452MHz\_Ant1 (MIMO)\_NTNV



## 802.11n(HT40) HCH\_2452MHz\_Ant2 (MIMO)\_NTNV



## 802.11n(HT40) HCH\_2452MHz\_Ant2 (MIMO)\_NTNV



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