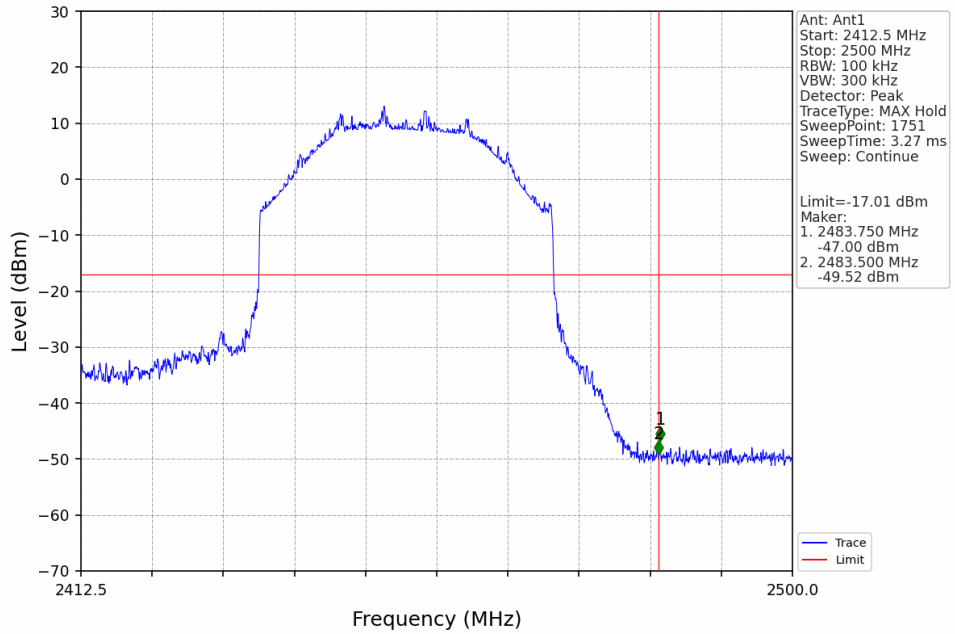
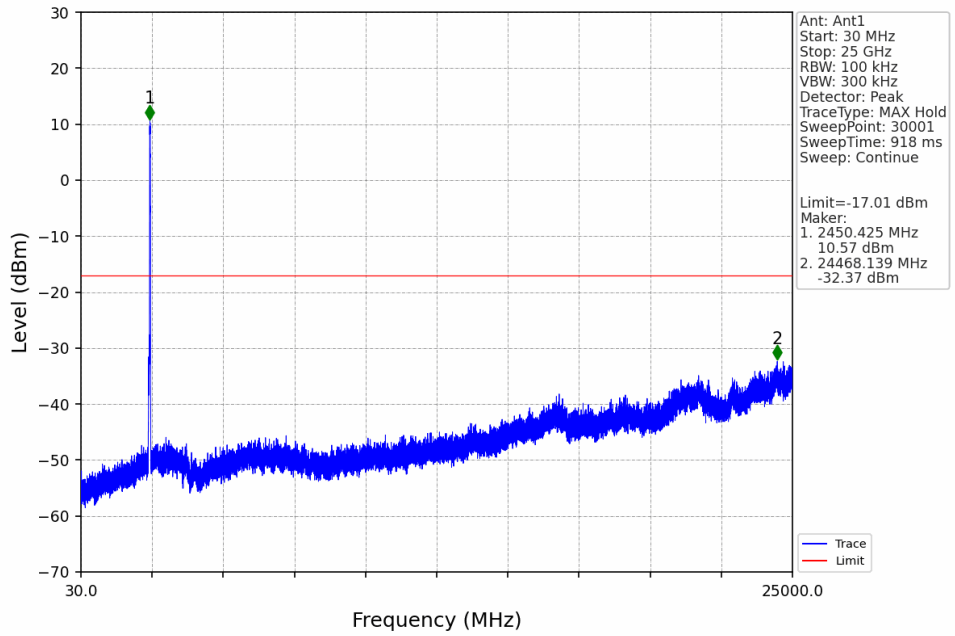
40M_HCH_2452.5MHz_Ant1_NTNV




40M_HCH_2452.5MHz_Ant1_NTNV

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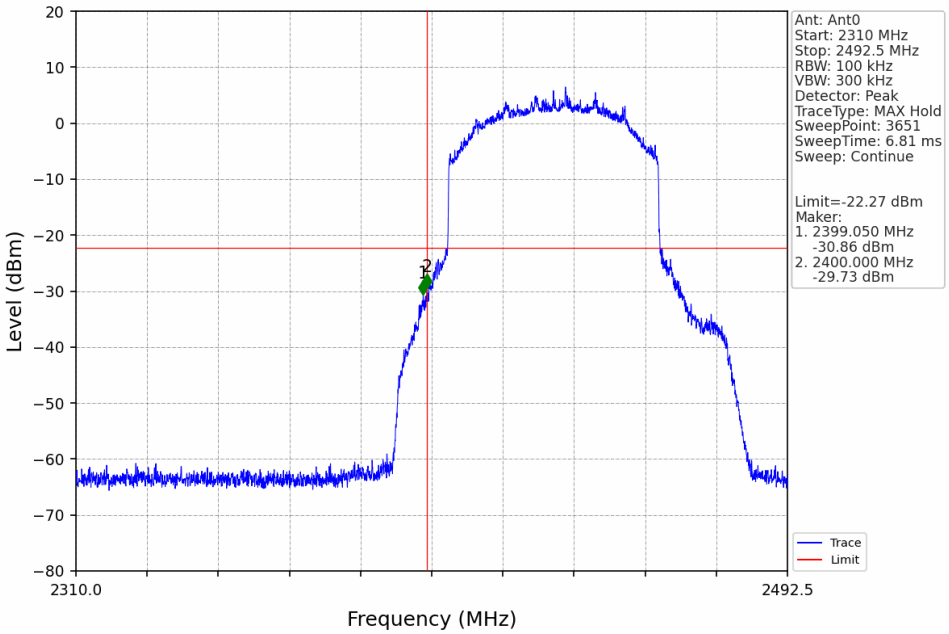
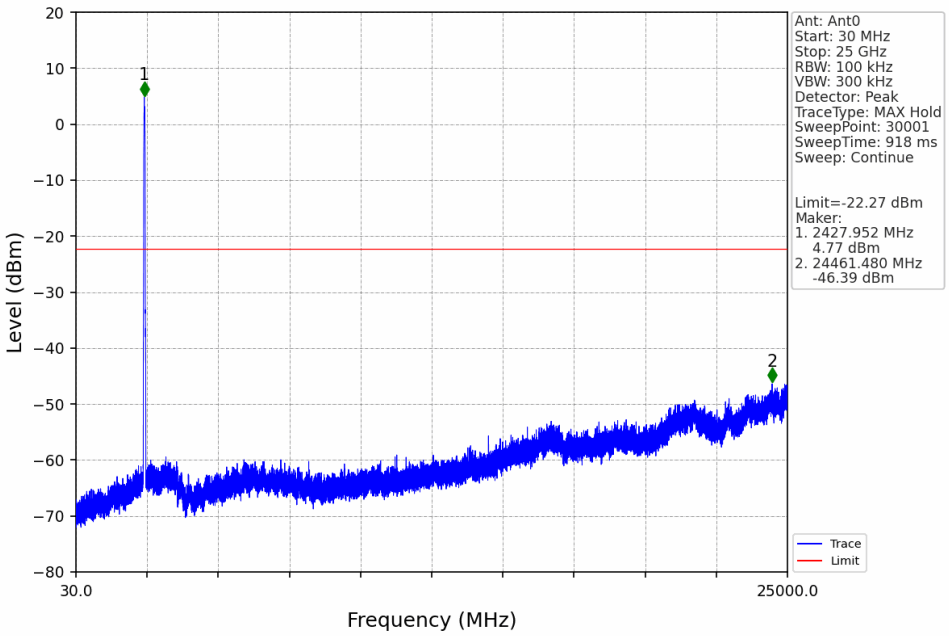
60M_LCH_2432.5MHz_Ant0_NTNV




60M_LCH_2432.5MHz_Ant0_NTNV

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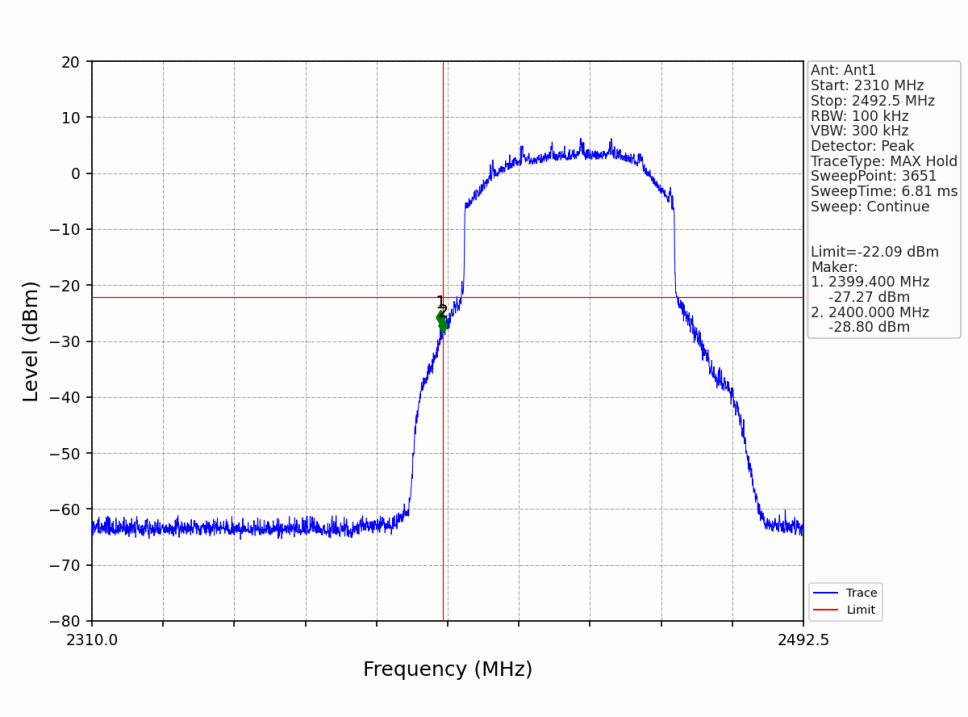
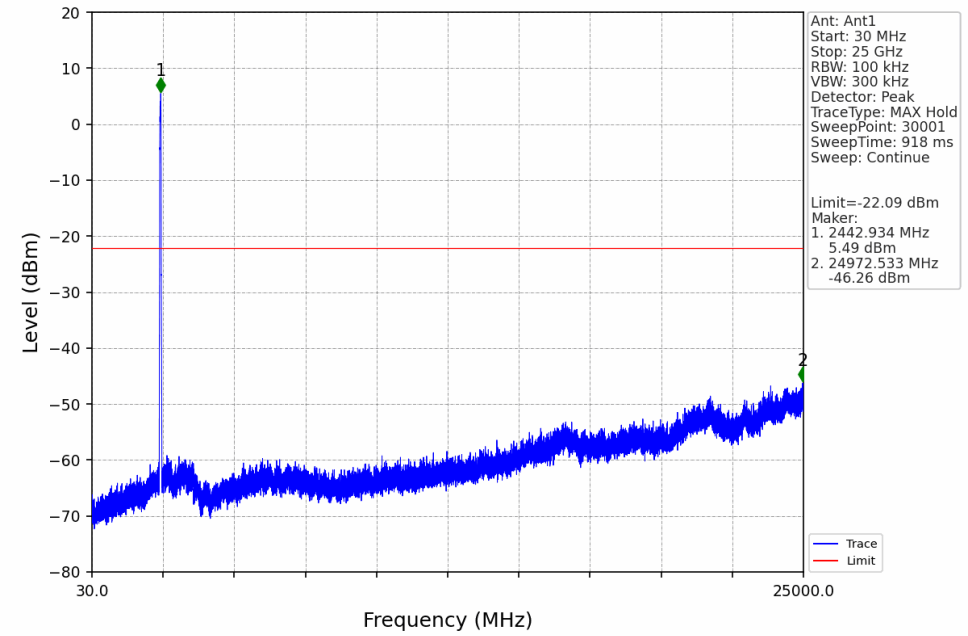
60M_LCH_2432.5MHz_Ant1_NTNV




60M_LCH_2432.5MHz_Ant1_NTNV

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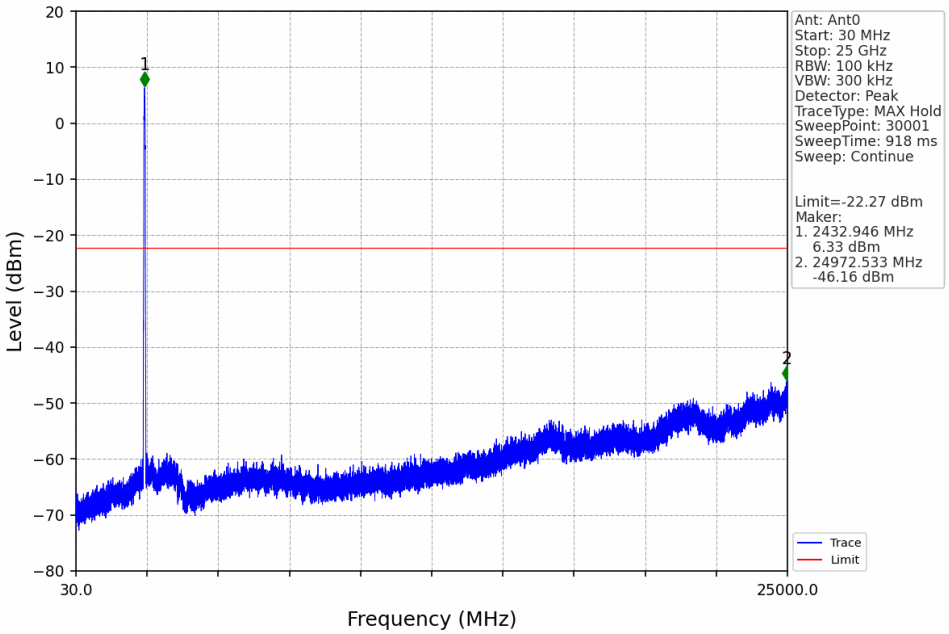
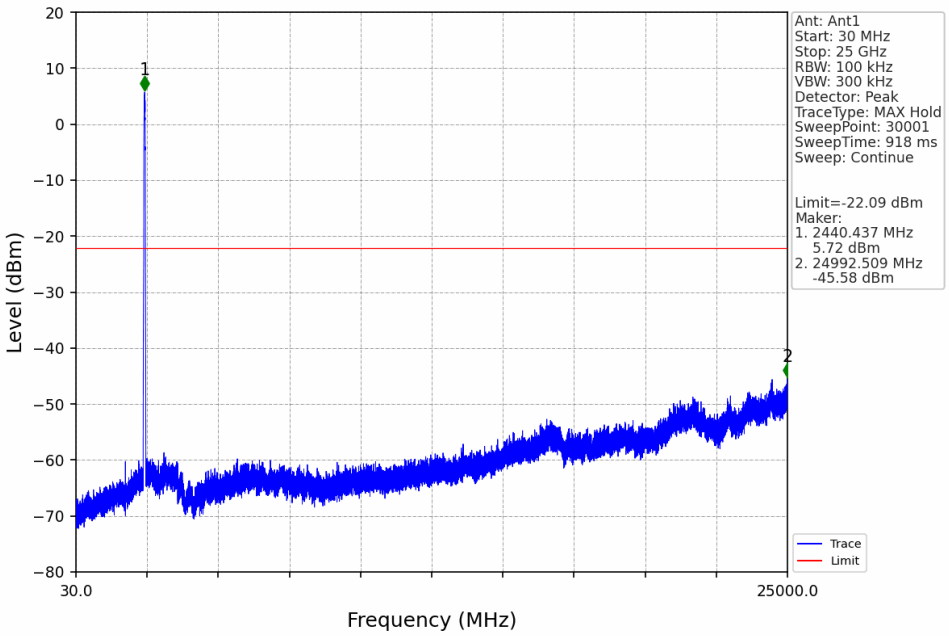
60M_MCH_2437.5MHz_Ant0_NTNV




60M_MCH_2437.5MHz_Ant1_NTNV

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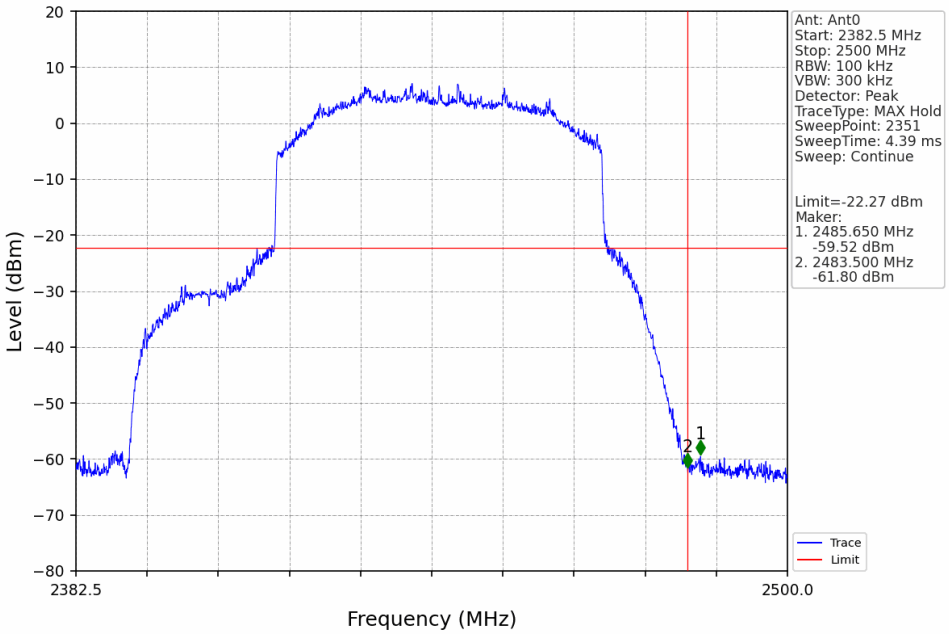
60M_HCH_2442.5MHz_Ant0_NTNV

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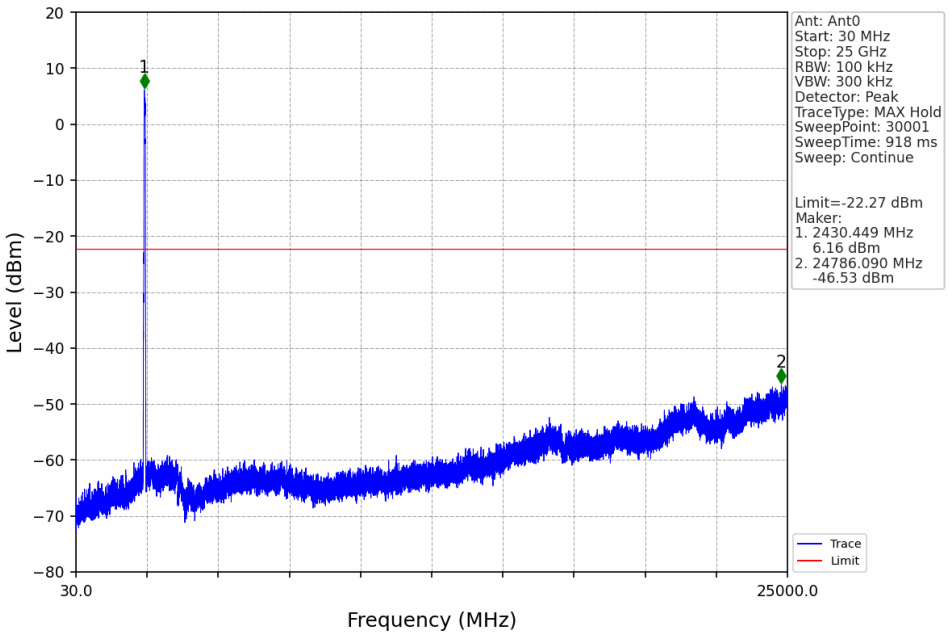


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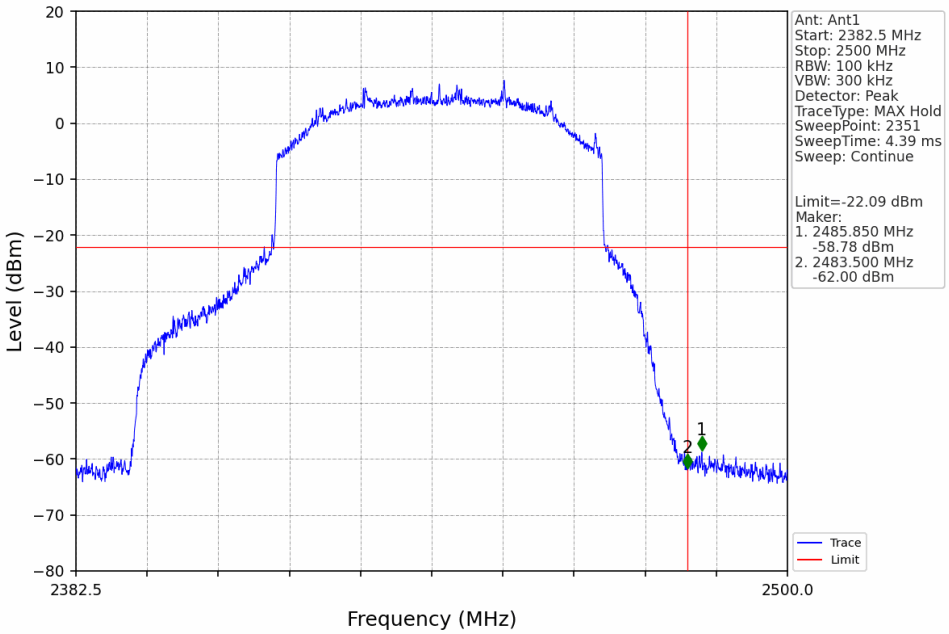
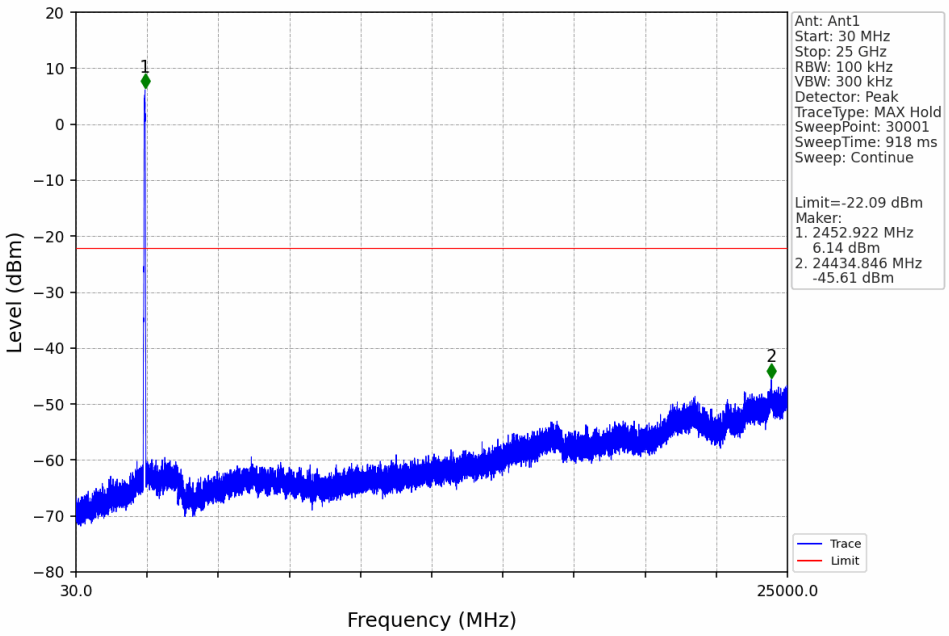



60M_HCH_2442.5MHz_Ant1_NTNV

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# 6. Form731

## 6.1 Test Result

### 6.1.1 Form731

| Lower Freq (MHz) | High Freq (MHz) | MAX Power (W) | MAX Power (dBm) |
|---|---|---|---|
| 2403.5 | 2469.12 | 0.0601 | 17.79 |
| 2405.5 | 2468.2 | 0.0624 | 17.95 |
| 2404.5 | 2469.5 | 0.0573 | 17.58 |
| 2407.5 | 2467.5 | 0.6324 | 28.01 |
| 2412.5 | 2462.5 | 0.6310 | 28.00 |
| 2422.5 | 2452.5 | 0.6397 | 28.06 |
| 2432.5 | 2442.5 | 0.3828 | 25.83 |

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For ANT2&ANT3:

# 1. Duty Cycle

## 1.1 Test Result

### 1.1.1 Ant2

| Ant2 | | | | | | | |
|---|---|---|---|---|---|---|---|
| Mode | TX Type | Frequency (MHz) | T_on (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | Max. DC Variation (%) |
| 1.4M | MIMO | 2403.5 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| | | 2437.5 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| | | 2469.12 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| 3M | MIMO | 2405.5 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| | | 2438.5 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| | | 2468.2 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| 5M | MIMO | 2404.5 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| | | 2439.5 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| | | 2469.5 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| 10M | MIMO | 2407.5 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| | | 2437.5 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| | | 2467.5 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| 20M | MIMO | 2412.5 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| | | 2437.5 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| | | 2462.5 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| 40M | MIMO | 2422.5 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| | | 2437.5 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| | | 2452.5 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| 60M | MIMO | 2432.5 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| | | 2437.5 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| | | 2442.5 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |

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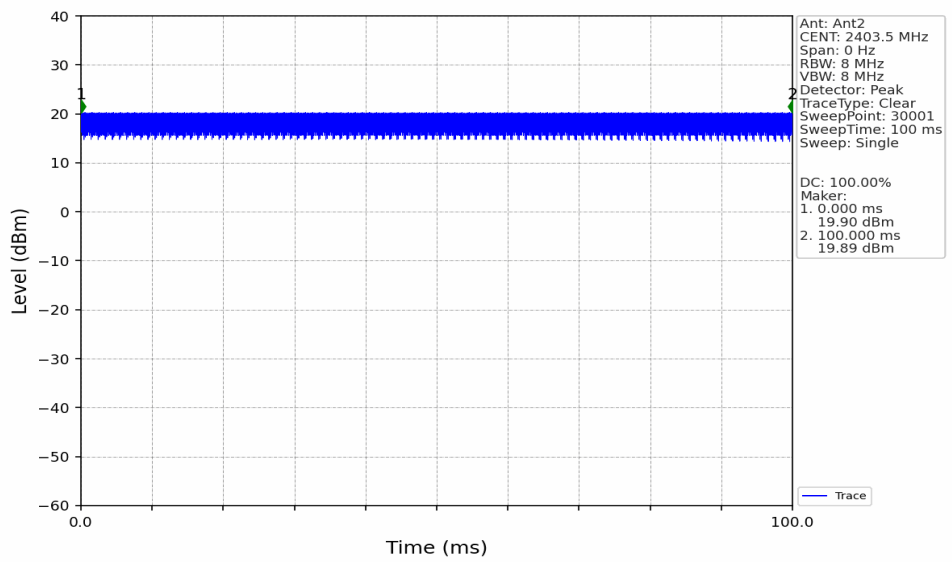
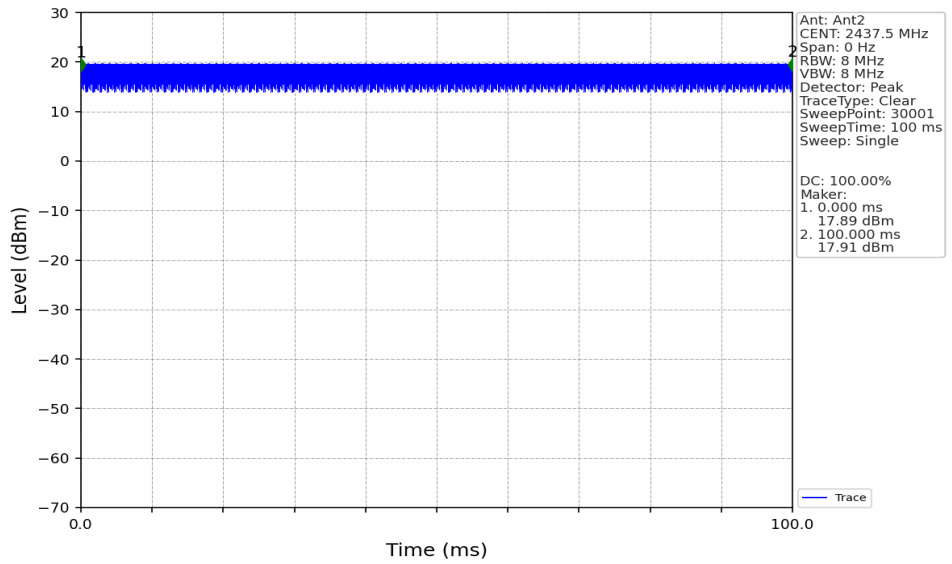
## 1.2 Test Graph

### 1.2.1 Ant2

1.4M_LCH_2403.5MHz_Ant2_NTNV




1.4M_MCH_2437.5MHz_Ant2_NTNV

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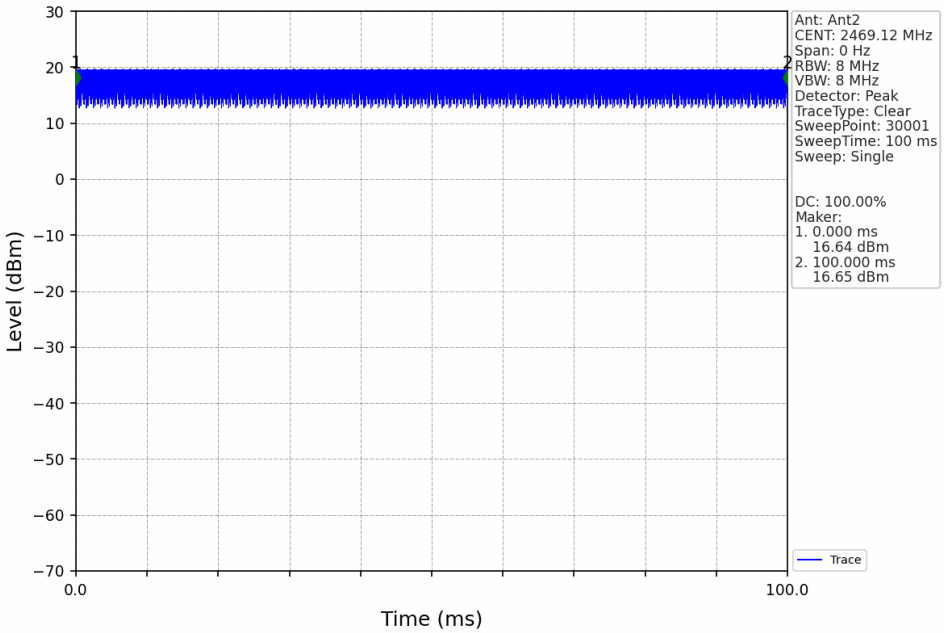
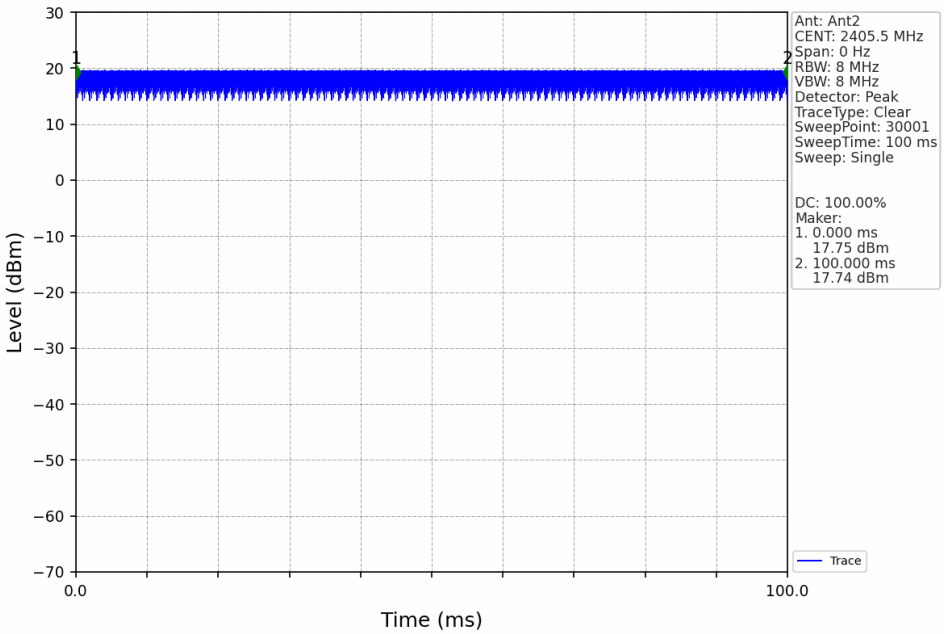
1.4M_HCH_2469.12MHz_Ant2_NTNV




3M_LCH_2405.5MHz_Ant2_NTNV

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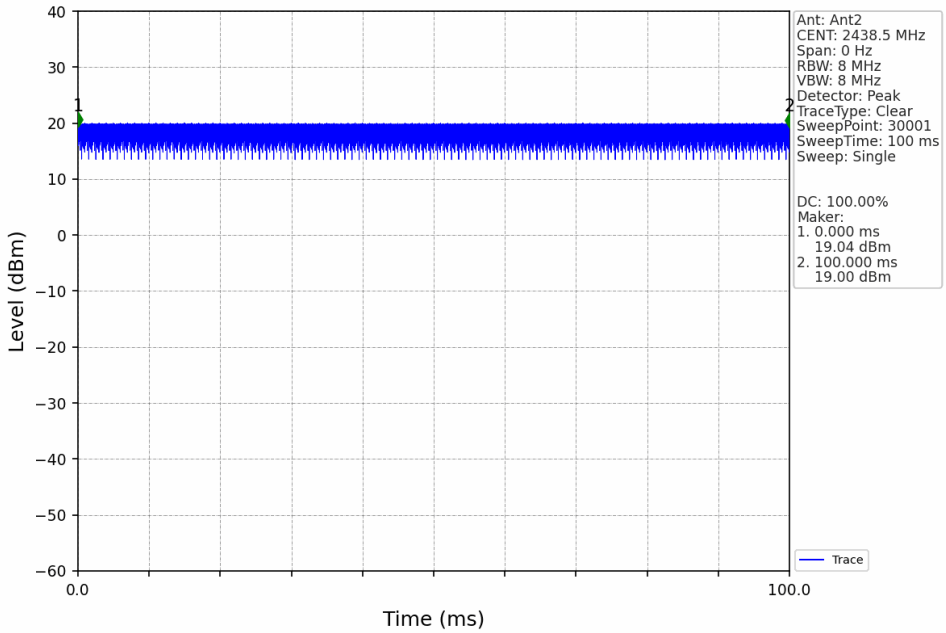
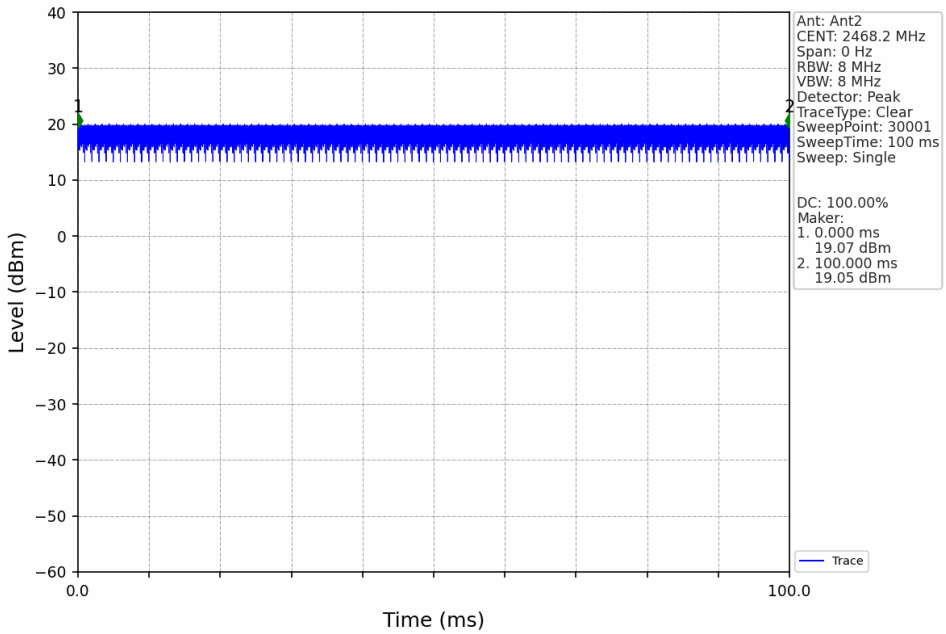
3M_MCH_2438.5MHz_Ant2_NTNV




3M_HCH_2468.2MHz_Ant2_NTNV

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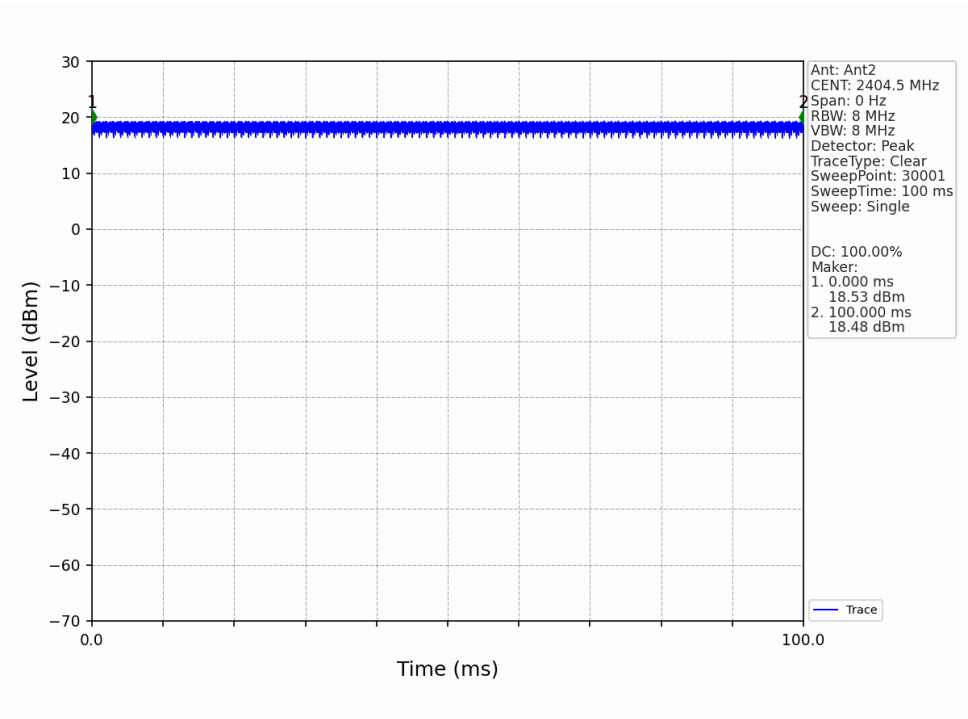
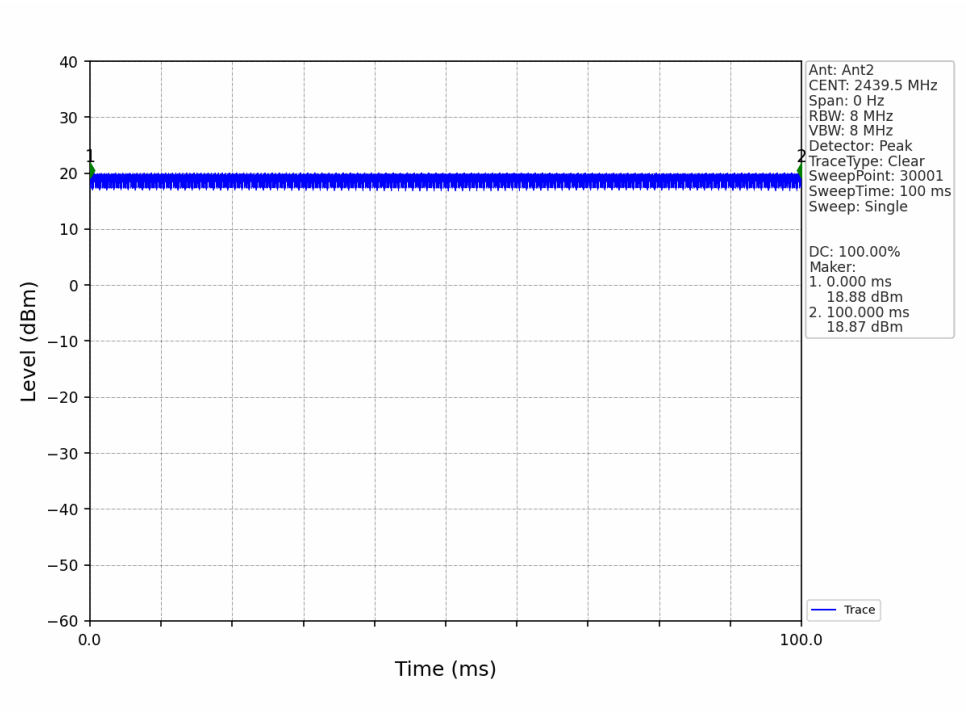
5M_LCH_2404.5MHz_Ant2_NTNV




5M_MCH_2439.5MHz_Ant2_NTNV

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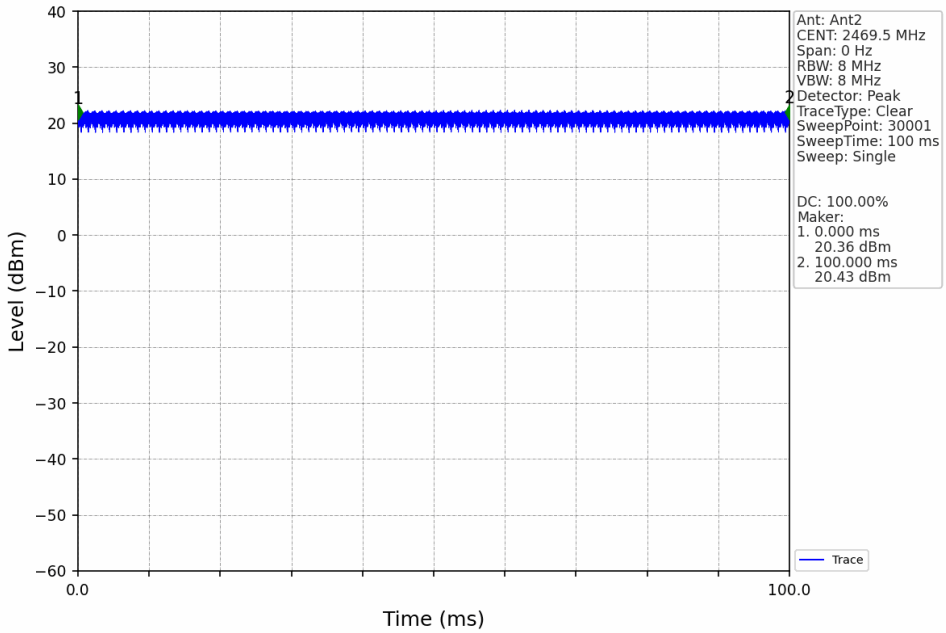
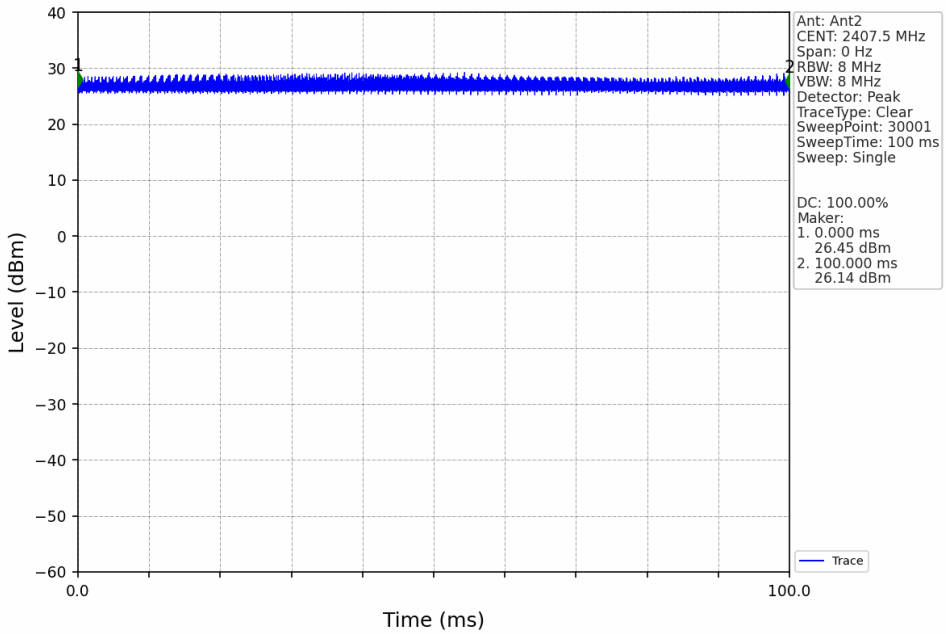
5M_HCH_2469.5MHz_Ant2_NTNV




10M_LCH_2407.5MHz_Ant2_NTNV

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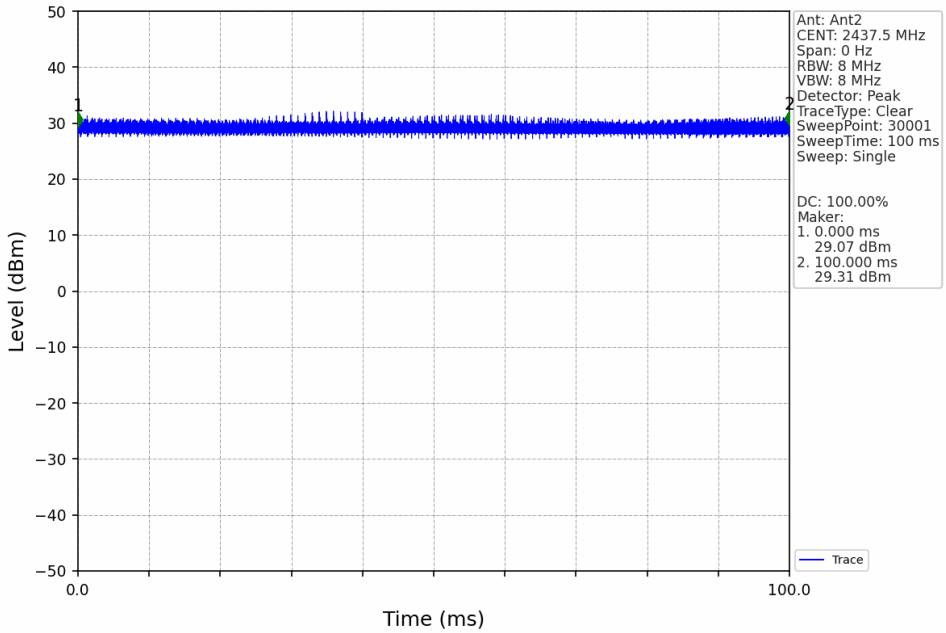
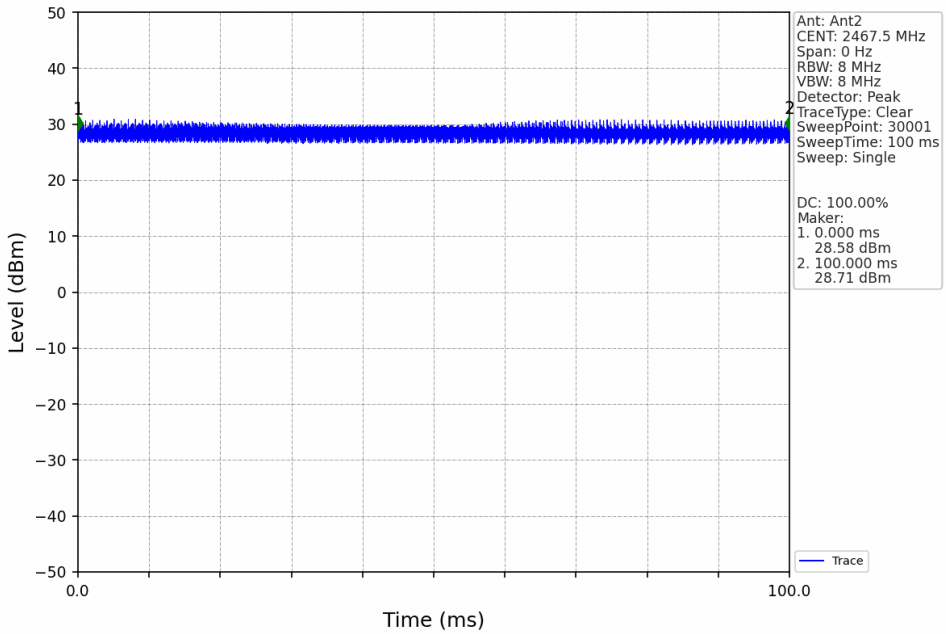
10M_MCH_2437.5MHz_Ant2_NTNV




10M_HCH_2467.5MHz_Ant2_NTNV

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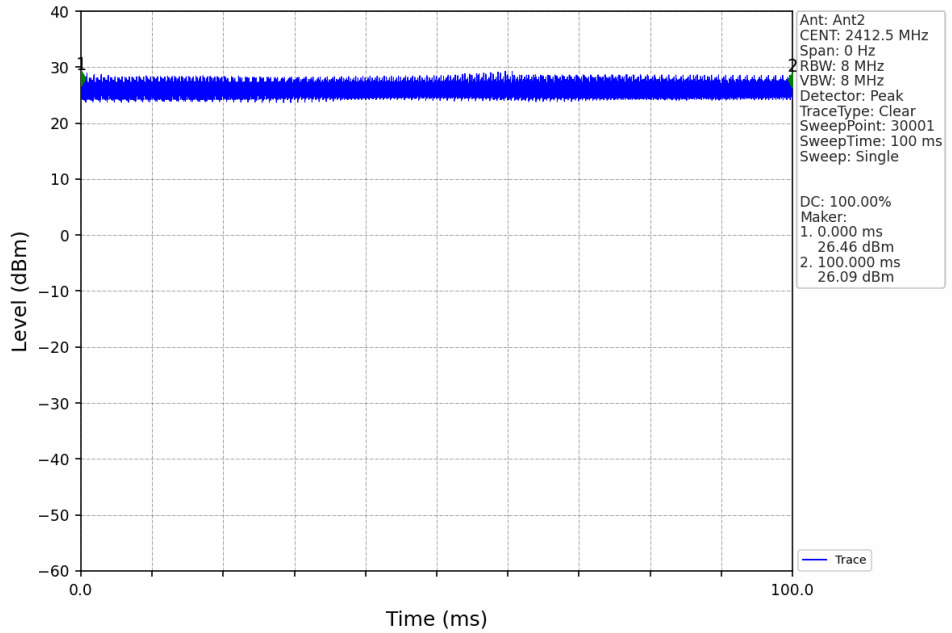
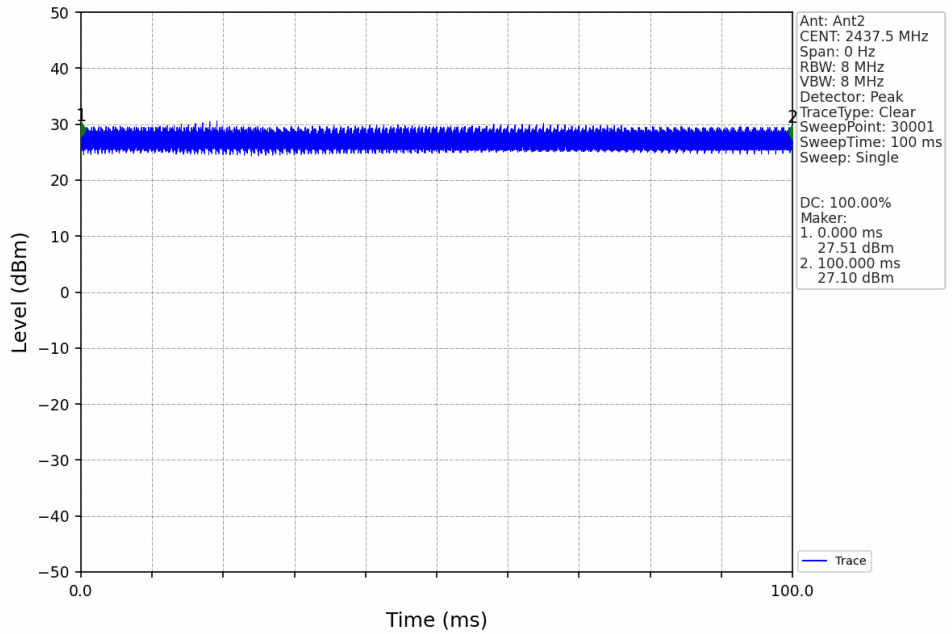
20M_LCH_2412.5MHz_Ant2_NTNV




20M_MCH_2437.5MHz_Ant2_NTNV

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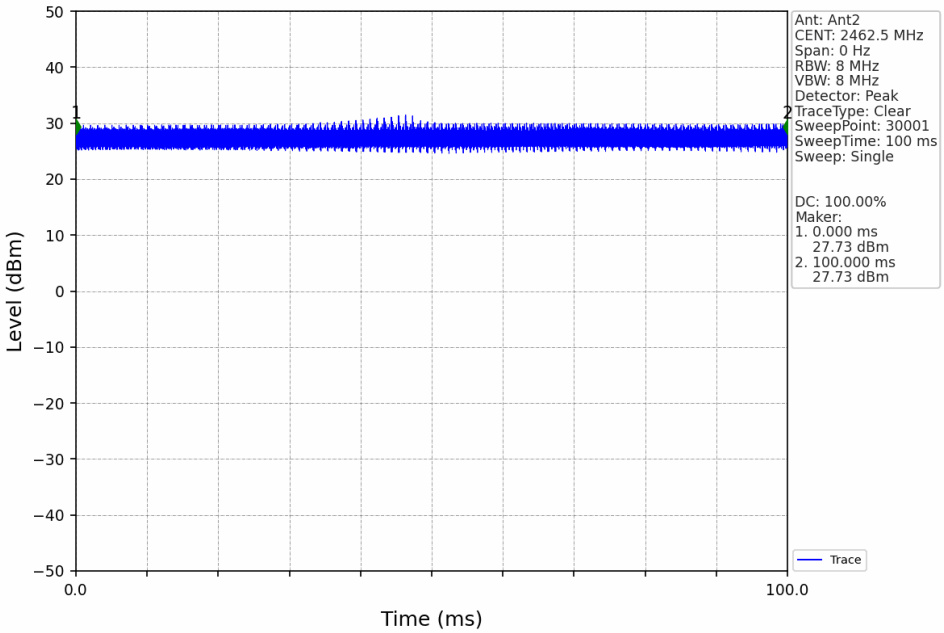
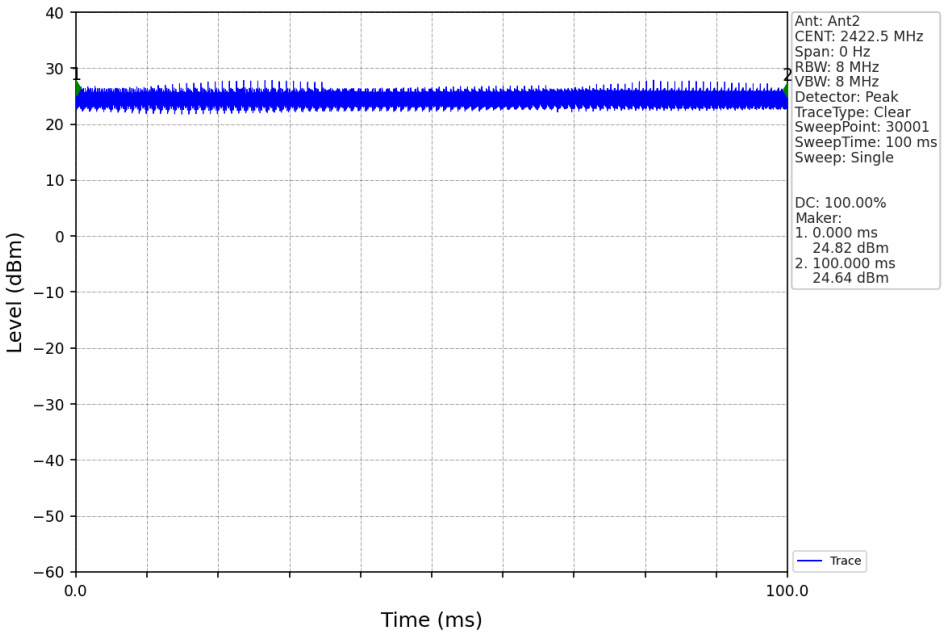
20M_HCH_2462.5MHz_Ant2_NTNV




40M_LCH_2422.5MHz_Ant2_NTNV

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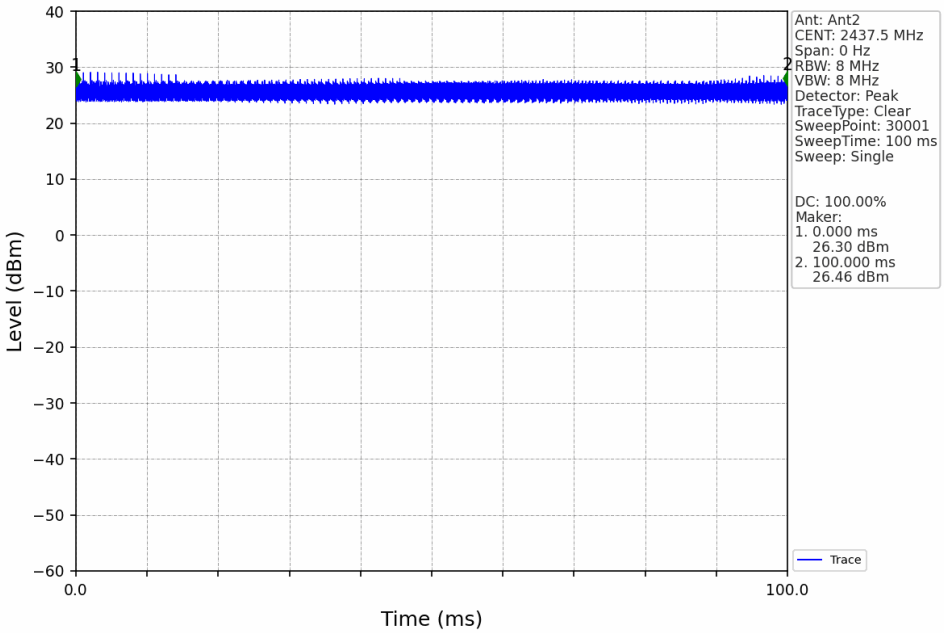
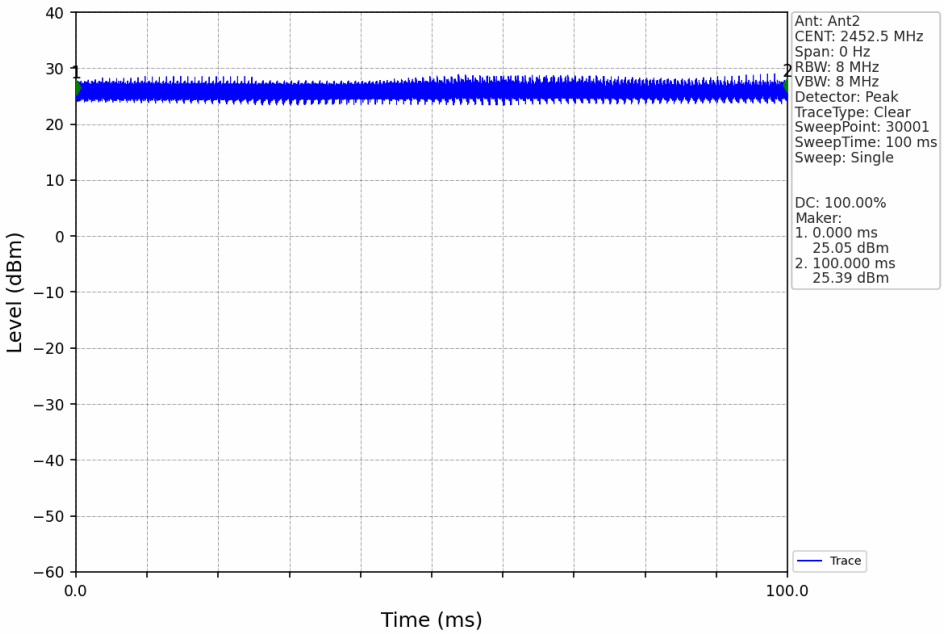
40M_MCH_2437.5MHz_Ant2_NTNV




40M_HCH_2452.5MHz_Ant2_NTNV

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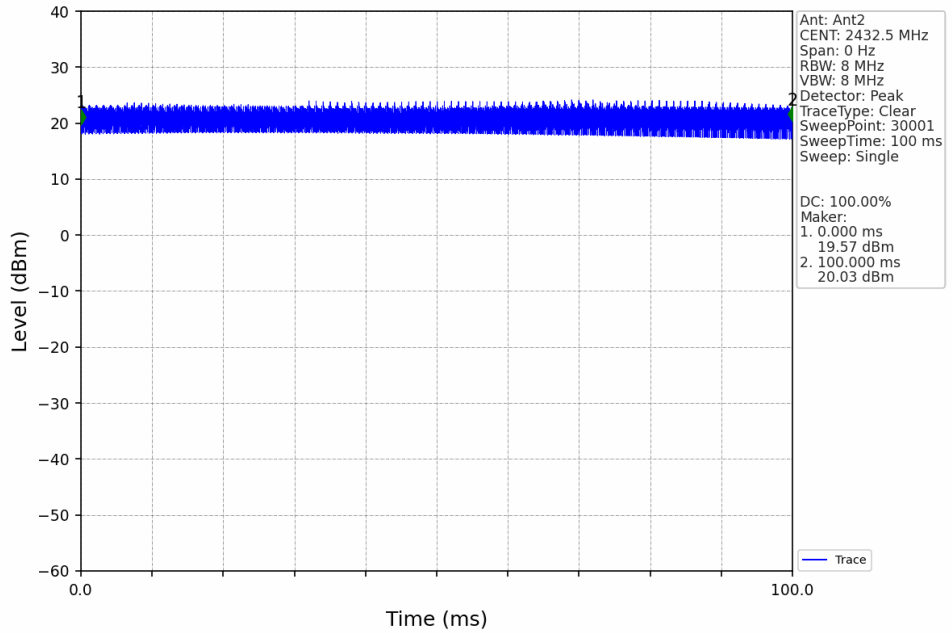
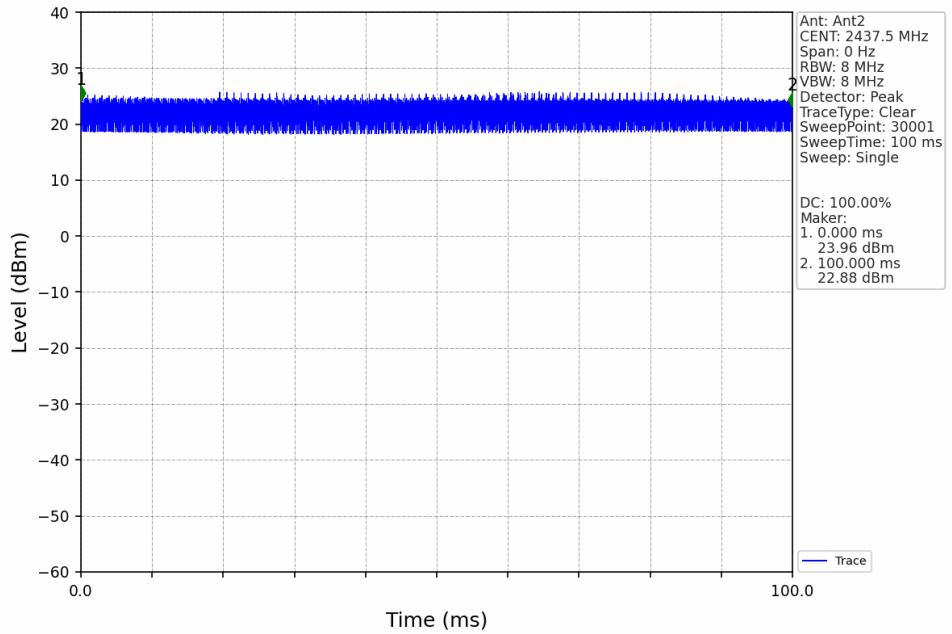
60M_LCH_2432.5MHz_Ant2_NTNV




60M_MCH_2437.5MHz_Ant2_NTNV

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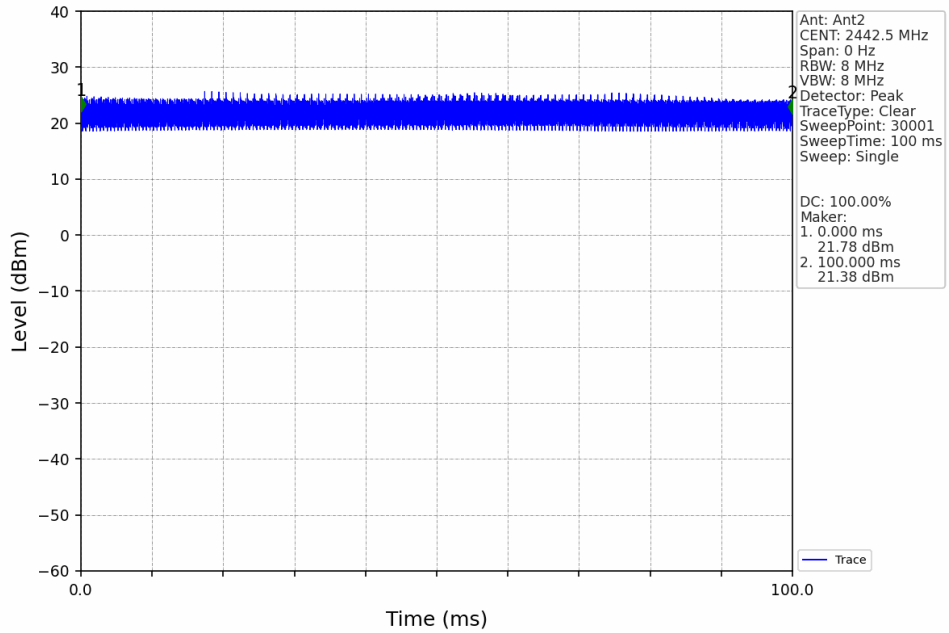
60M_HCH_2442.5MHz_Ant2_NTNV

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# 2. Bandwidth

## 2.1 Test Result

### 2.1.1 OBW

| Mode | TX Type | Frequency (MHz) | ANT | 99% Occupied Bandwidth (MHz) | | Verdict |
|---|---|---|---|---|---|---|
| | | | | Result | Limit | |
| 1.4M | MIMO | 2403.5 | 2 | 1.426 | / | Pass |
| | | 2437.5 | 2 | 1.406 | / | Pass |
| | | 2469.12 | 2 | 1.413 | / | Pass |
| 3M | MIMO | 2405.5 | 2 | 2.321 | / | Pass |
| | | 2438.5 | 2 | 2.328 | / | Pass |
| | | 2468.2 | 2 | 2.330 | / | Pass |
| 5M | MIMO | 2404.5 | 2 | 4.519 | / | Pass |
| | | 2439.5 | 2 | 4.525 | / | Pass |
| | | 2469.5 | 2 | 4.516 | / | Pass |
| 10M | MIMO | 2407.5 | 2 | 9.145 | / | Pass |
| | | 2437.5 | 2 | 9.099 | / | Pass |
| | | 2467.5 | 2 | 8.872 | / | Pass |
| 20M | MIMO | 2412.5 | 2 | 17.951 | / | Pass |
| | | 2437.5 | 2 | 17.855 | / | Pass |
| | | 2462.5 | 2 | 17.936 | / | Pass |
| 40M | MIMO | 2422.5 | 2 | 32.037 | / | Pass |
| | | 2437.5 | 2 | 31.065 | / | Pass |
| | | 2452.5 | 2 | 31.715 | / | Pass |
| 60M | MIMO | 2432.5 | 2 | 51.122 | / | Pass |
| | | 2437.5 | 2 | 50.900 | / | Pass |
| | | 2442.5 | 2 | 50.866 | / | Pass |

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## 2.1.2 6dB BW

| Mode | TX Type | Frequency (MHz) | ANT | 6dB Bandwidth (MHz) | | Verdict |
|---|---|---|---|---|---|---|
| | | | | Result | Limit | |
| 1.4M | MIMO | 2403.5 | 2 | 1.107 | >=0.5 | Pass |
| | | 2437.5 | 2 | 1.101 | >=0.5 | Pass |
| | | 2469.12 | 2 | 1.104 | >=0.5 | Pass |
| 3M | MIMO | 2405.5 | 2 | 2.218 | >=0.5 | Pass |
| | | 2438.5 | 2 | 2.219 | >=0.5 | Pass |
| | | 2468.2 | 2 | 2.209 | >=0.5 | Pass |
| 5M | MIMO | 2404.5 | 2 | 4.397 | >=0.5 | Pass |
| | | 2439.5 | 2 | 4.407 | >=0.5 | Pass |
| | | 2469.5 | 2 | 4.406 | >=0.5 | Pass |
| 10M | MIMO | 2407.5 | 2 | 9.037 | >=0.5 | Pass |
| | | 2437.5 | 2 | 9.036 | >=0.5 | Pass |
| | | 2467.5 | 2 | 7.715 | >=0.5 | Pass |
| 20M | MIMO | 2412.5 | 2 | 17.856 | >=0.5 | Pass |
| | | 2437.5 | 2 | 17.782 | >=0.5 | Pass |
| | | 2462.5 | 2 | 17.802 | >=0.5 | Pass |
| 40M | MIMO | 2422.5 | 2 | 22.828 | >=0.5 | Pass |
| | | 2437.5 | 2 | 20.538 | >=0.5 | Pass |
| | | 2452.5 | 2 | 20.708 | >=0.5 | Pass |
| 60M | MIMO | 2432.5 | 2 | 39.216 | >=0.5 | Pass |
| | | 2437.5 | 2 | 38.784 | >=0.5 | Pass |
| | | 2442.5 | 2 | 38.860 | >=0.5 | Pass |

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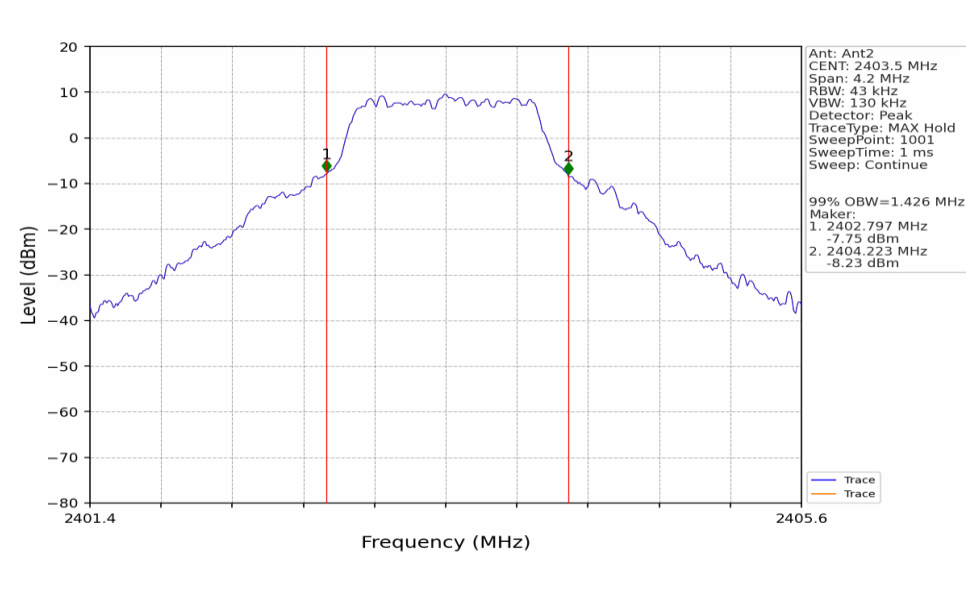
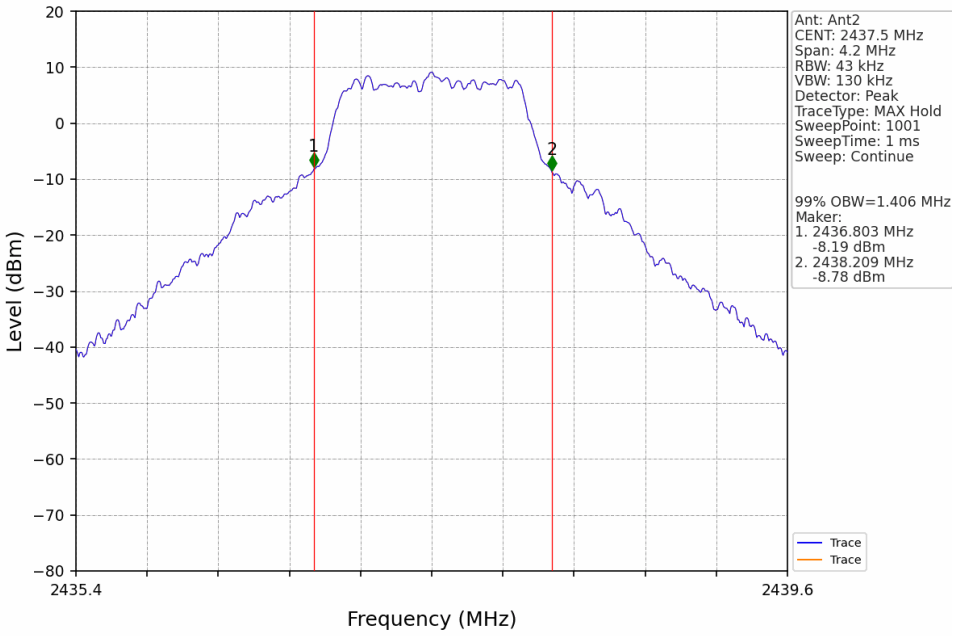
## 2.2 Test Graph

### 2.2.1 OBW

1.4M_LCH_2403.5MHz_Ant2_NTNV




1.4M_MCH_2437.5MHz_Ant2_NTNV

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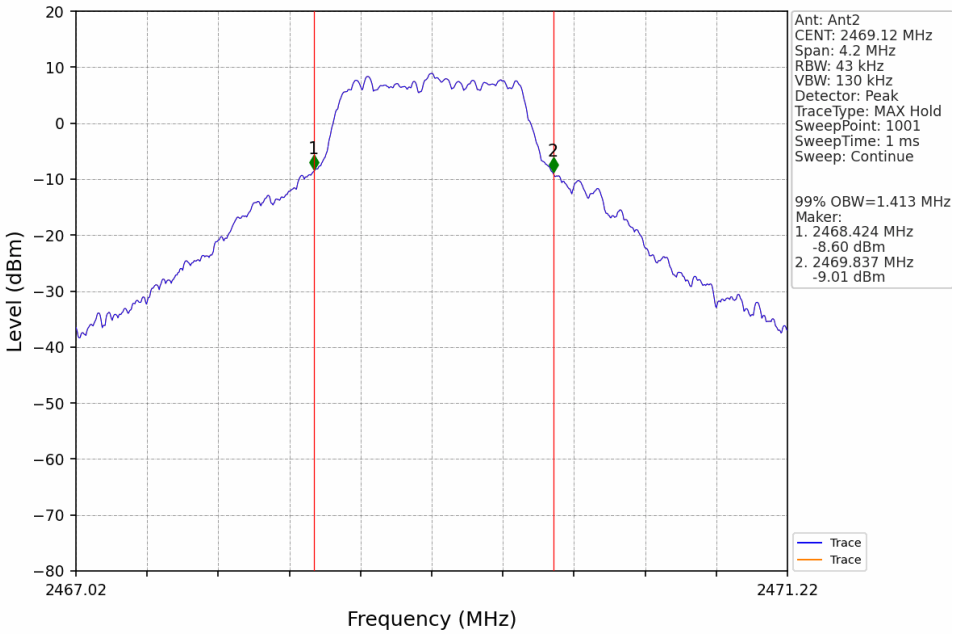
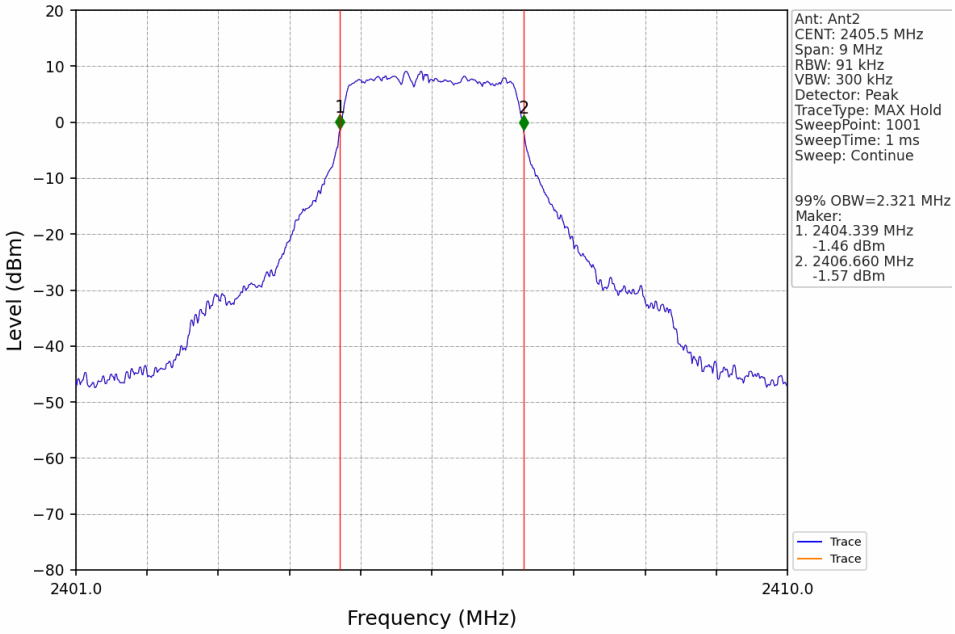
1.4M_HCH_2469.12MHz_Ant2_NTNV




3M_LCH_2405.5MHz_Ant2_NTNV

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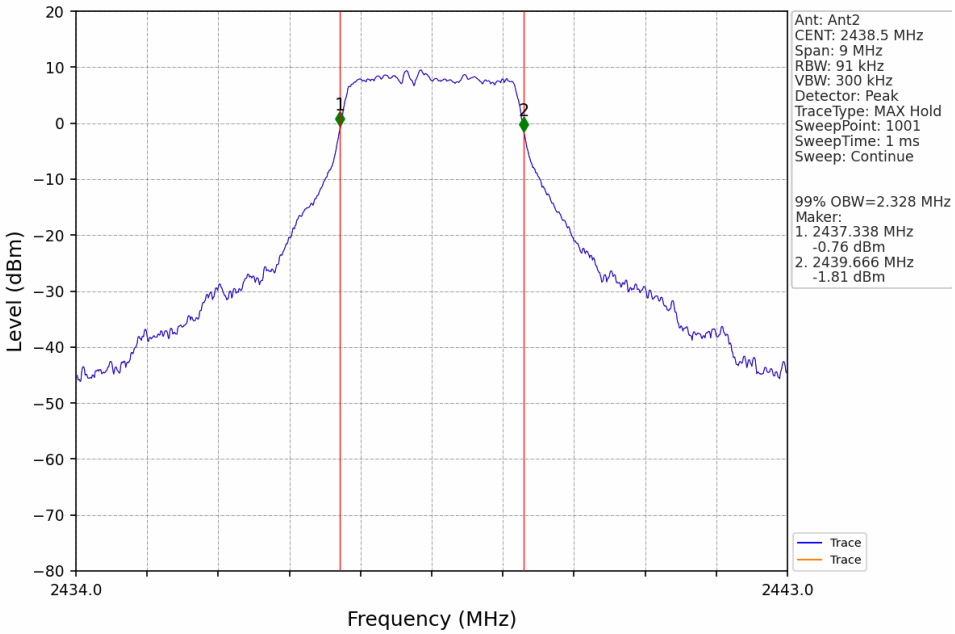
3M_MCH_2438.5MHz_Ant2_NTNV

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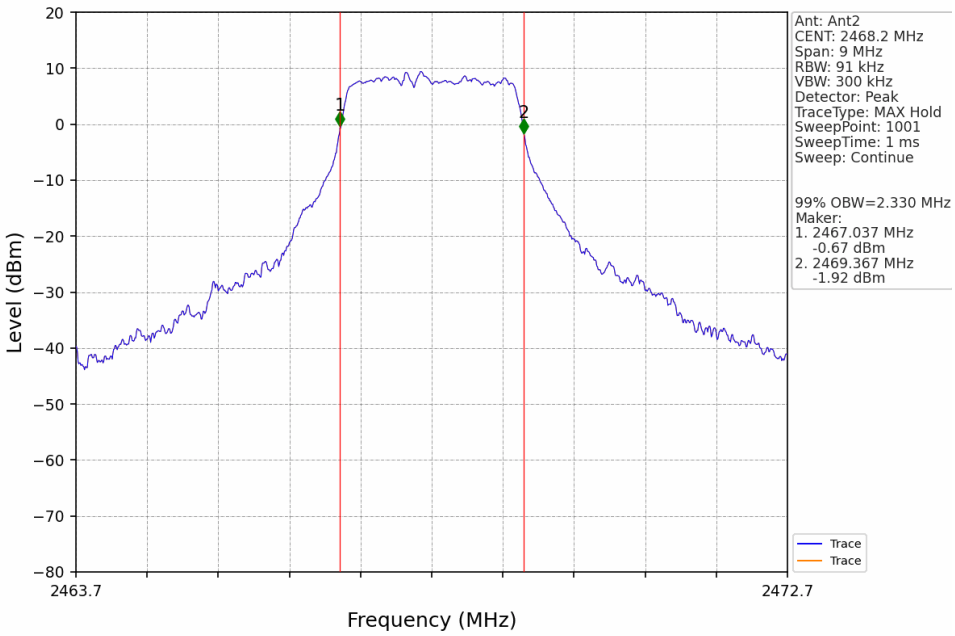


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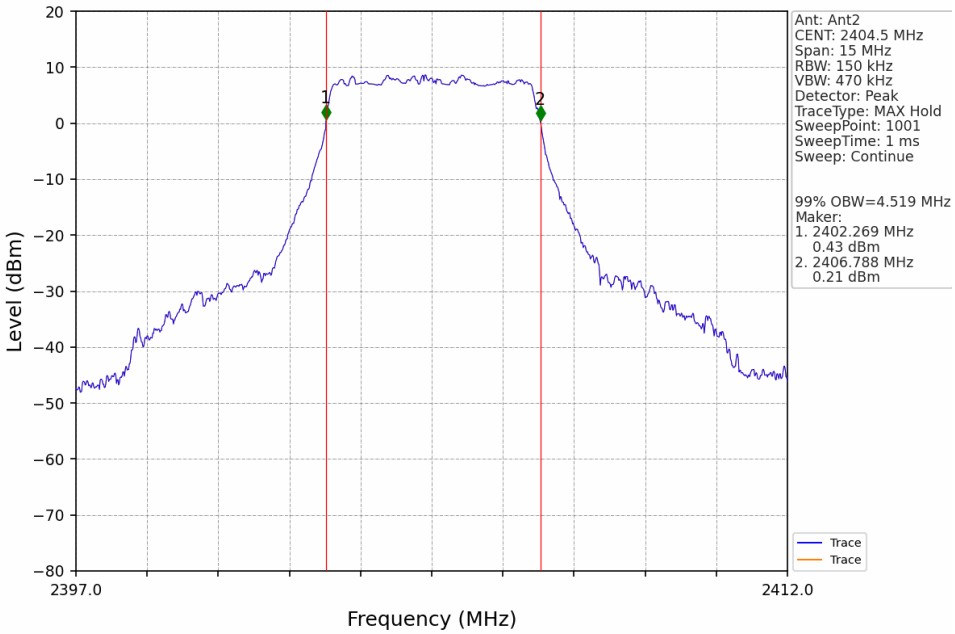
5M_LCH_2404.5MHz_Ant2_NTNV

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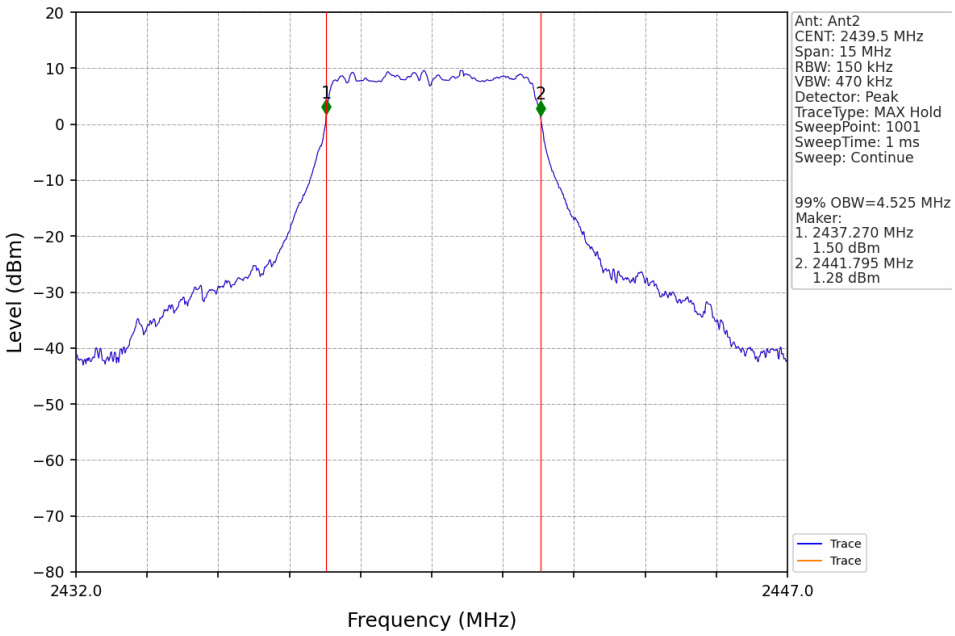


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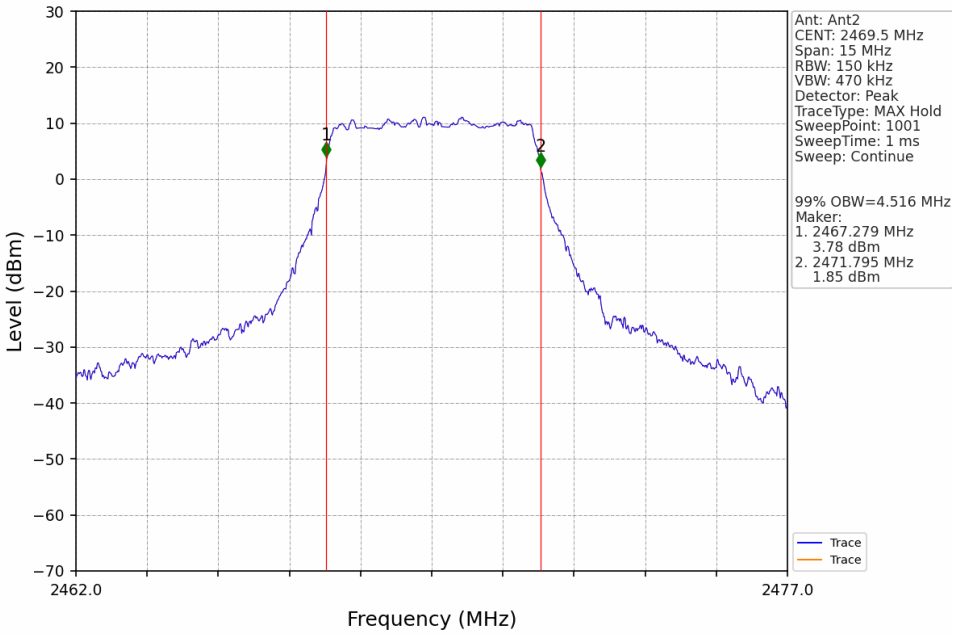
5M_HCH_2469.5MHz_Ant2_NTNV

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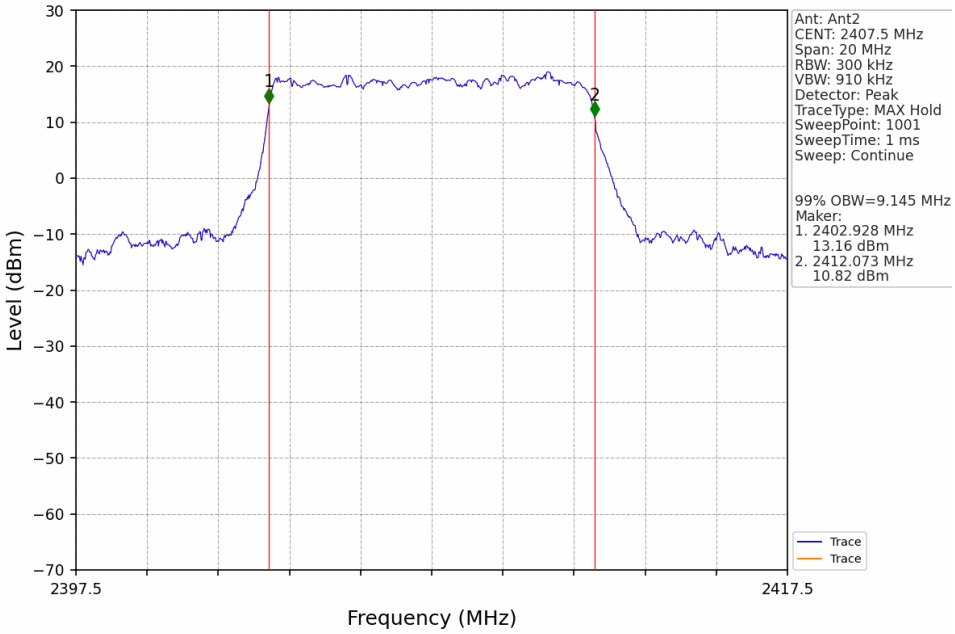


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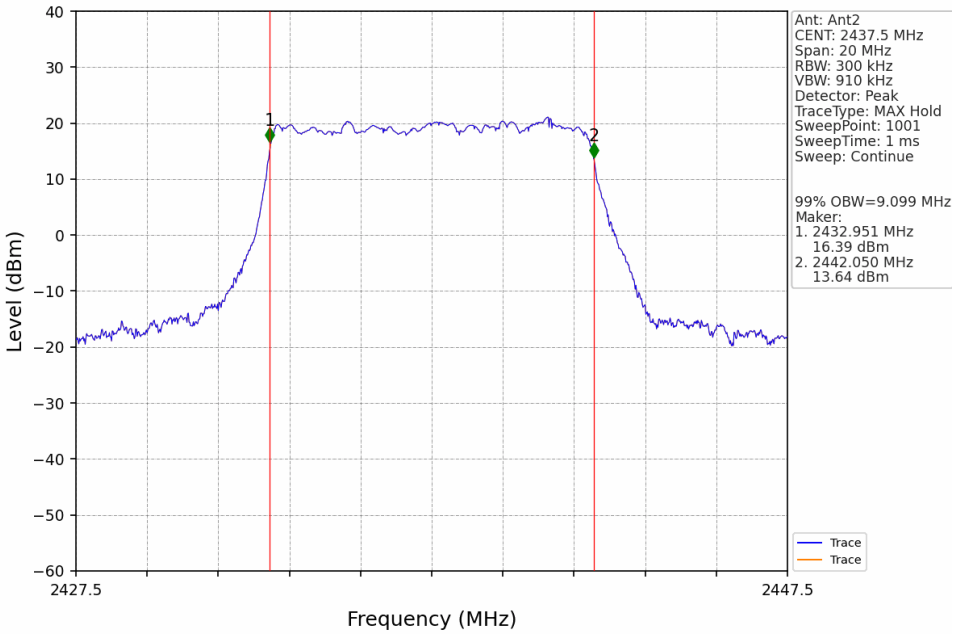
10M_MCH_2437.5MHz_Ant2_NTNV

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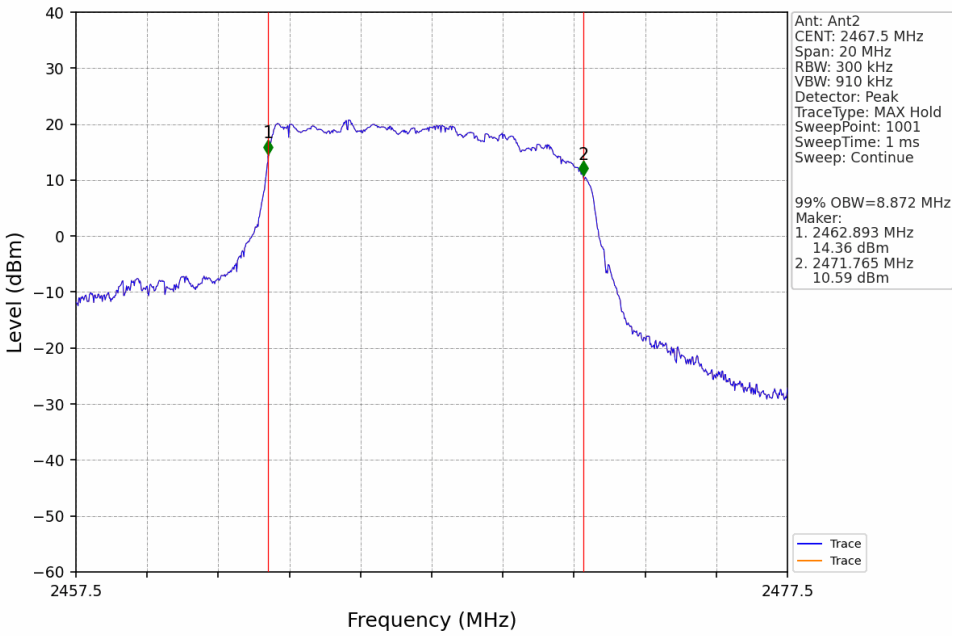


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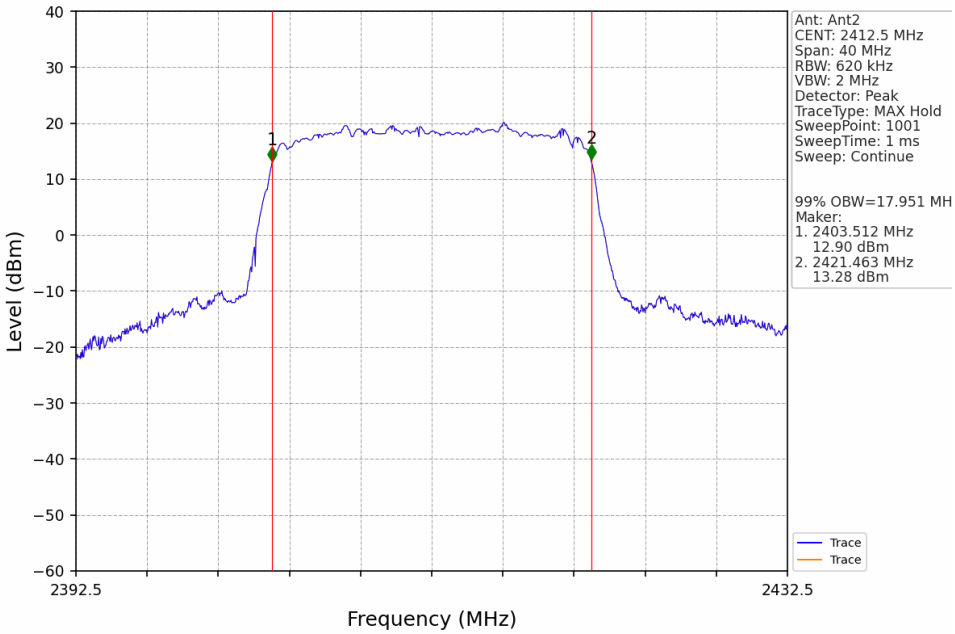
20M_LCH_2412.5MHz_Ant2_NTNV

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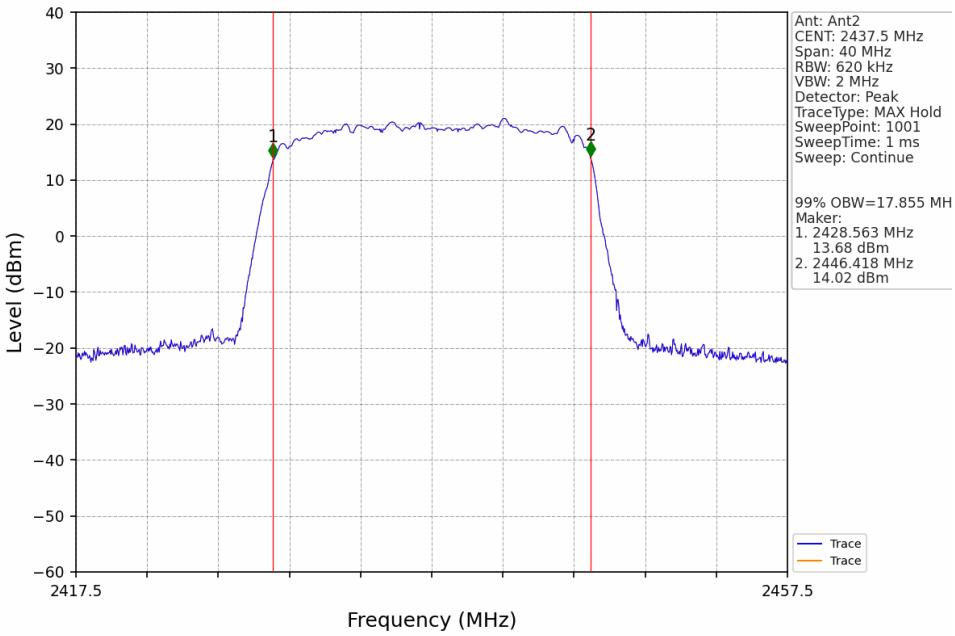


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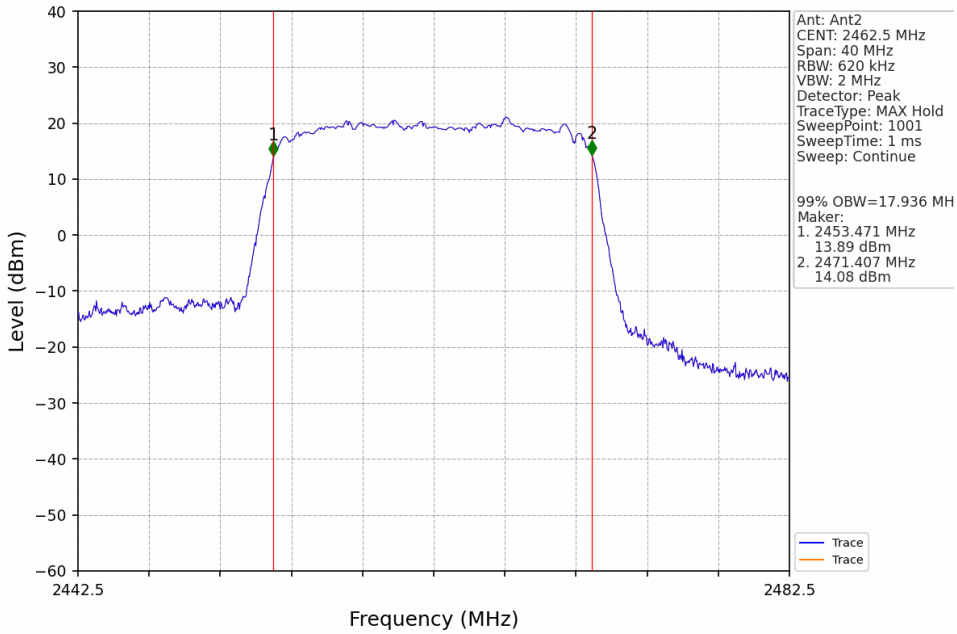
20M_HCH_2462.5MHz_Ant2_NTNV

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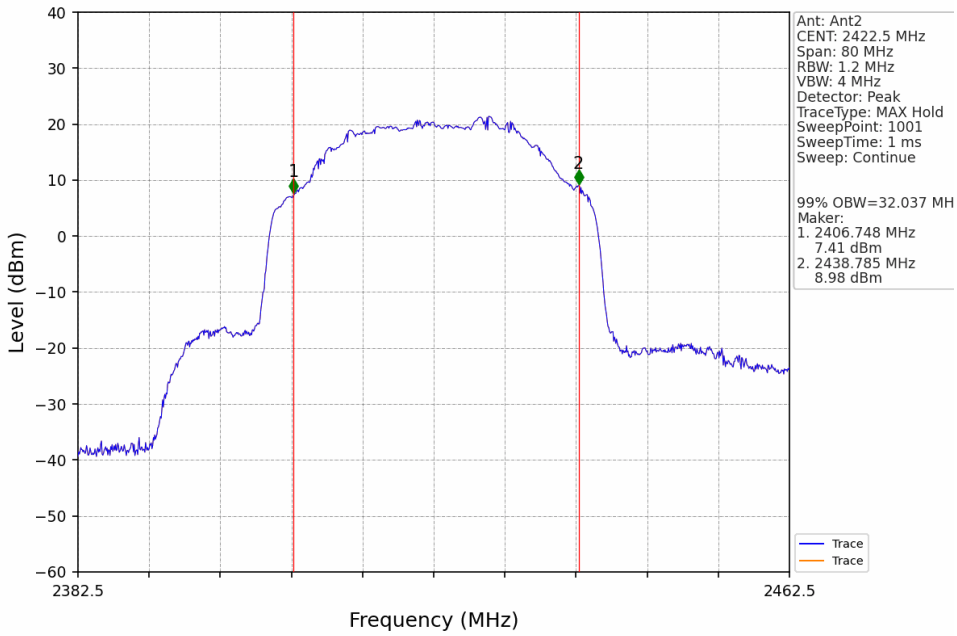


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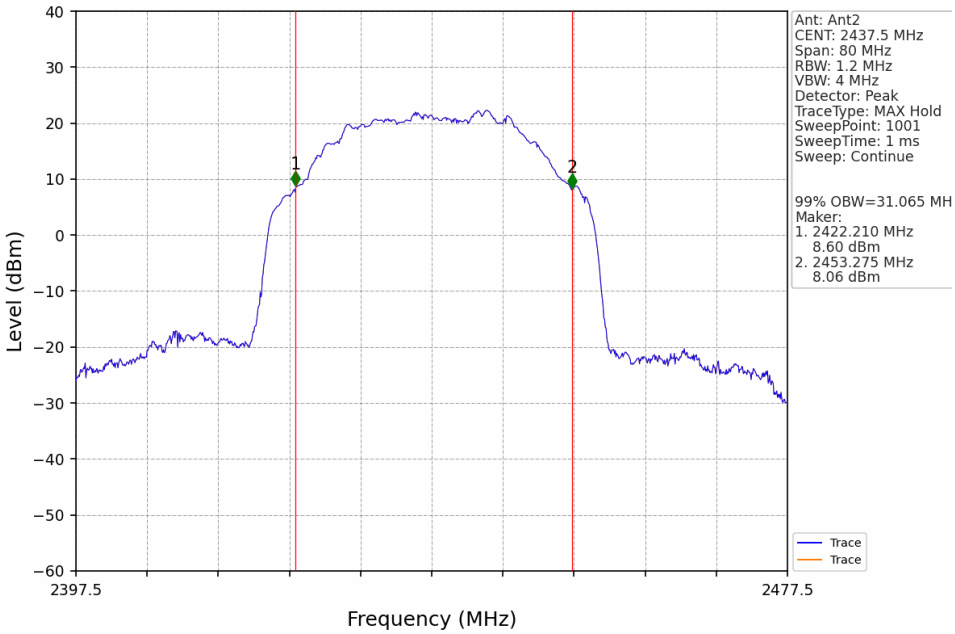


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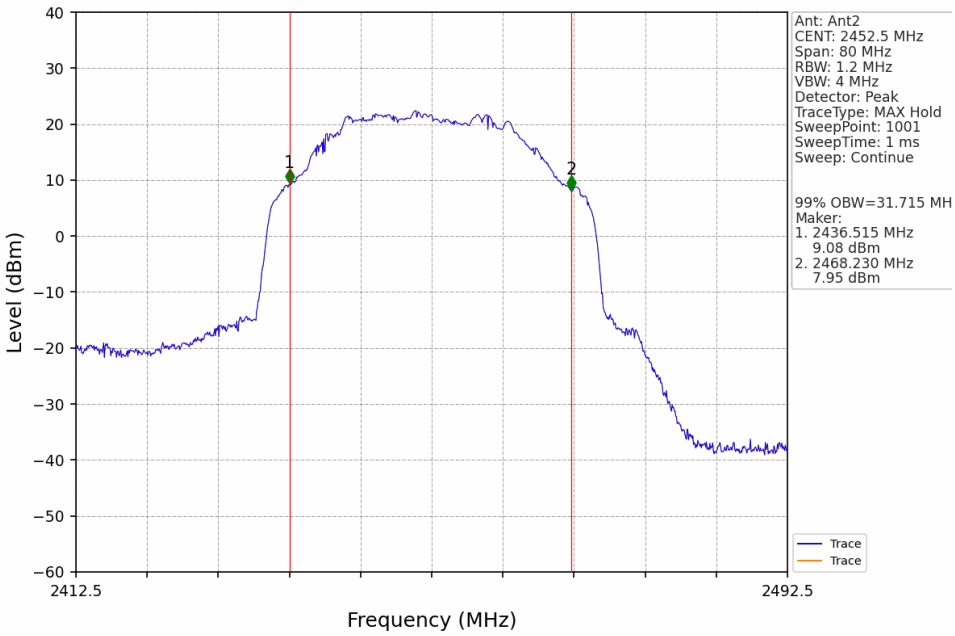


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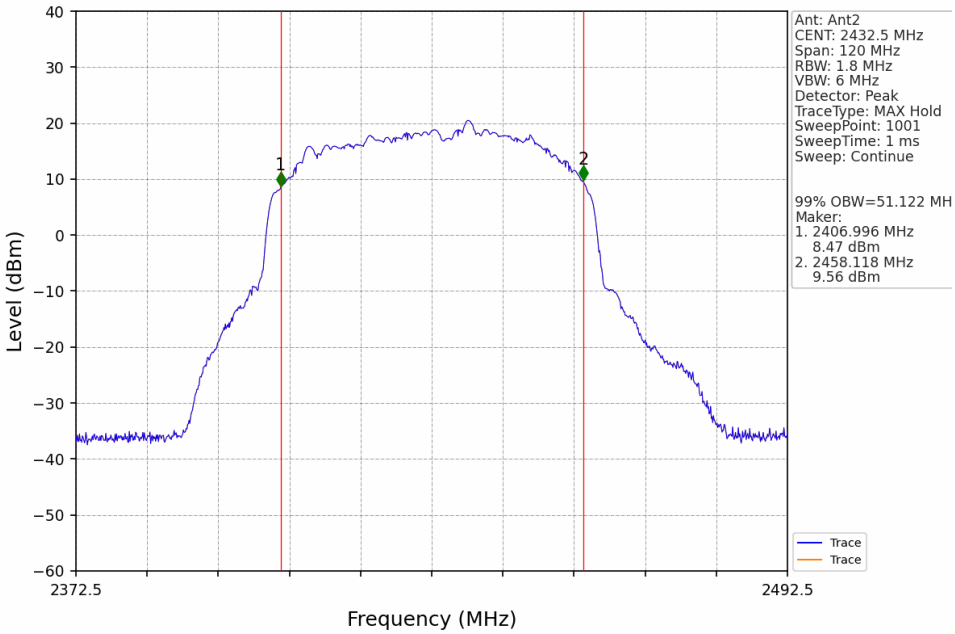
60M_LCH_2432.5MHz_Ant2_NTNV

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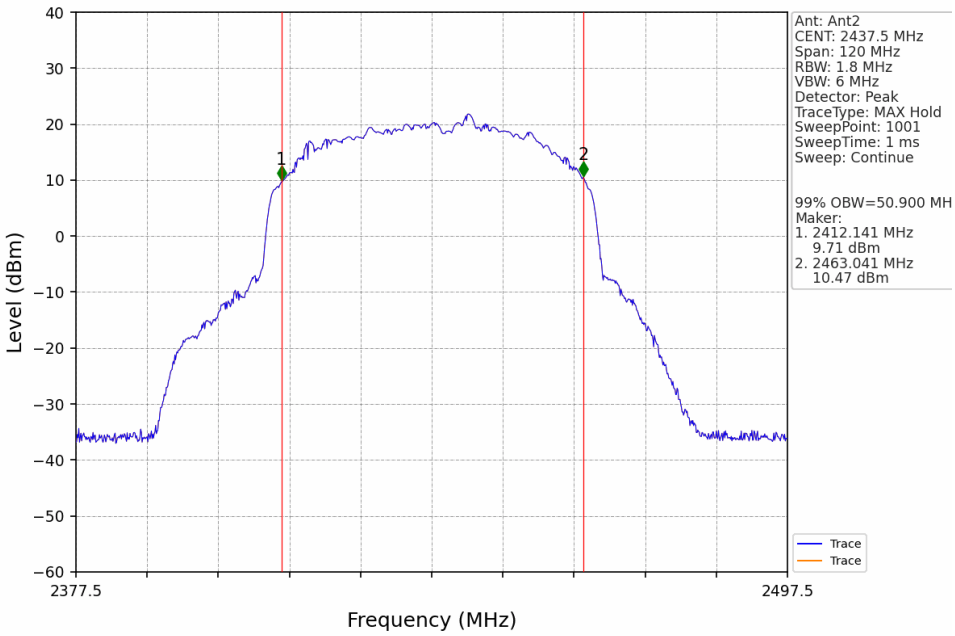


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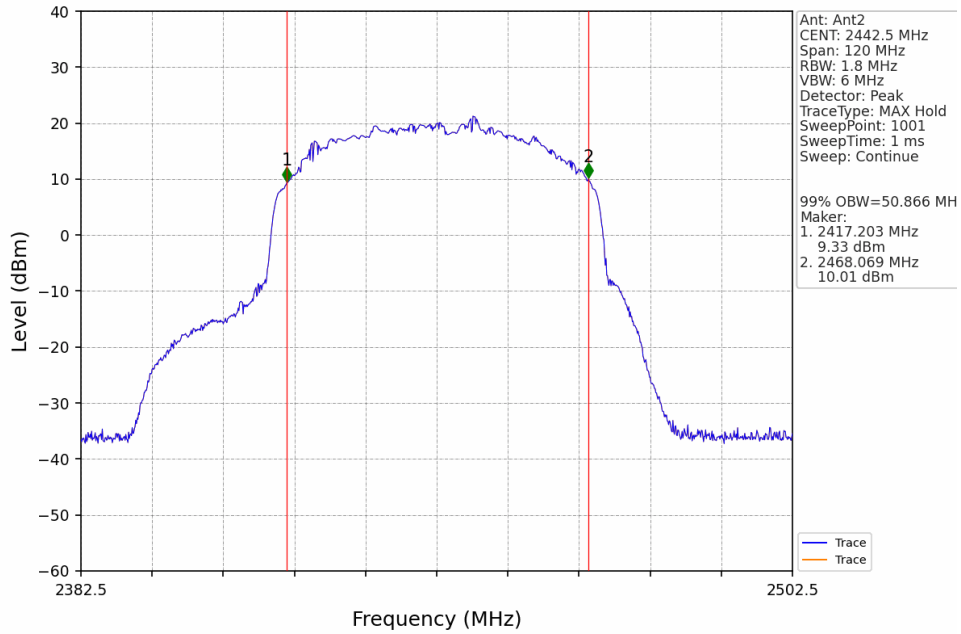
60M_HCH_2442.5MHz_Ant2_NTNV

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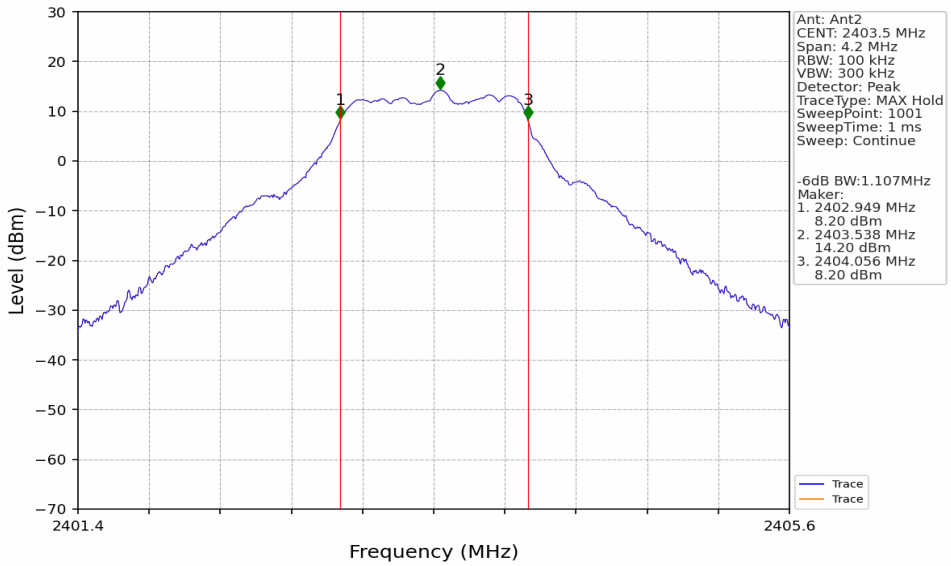
## 2.2.2 6dB BW

1.4M_LCH_2403.5MHz_Ant2_NTNV

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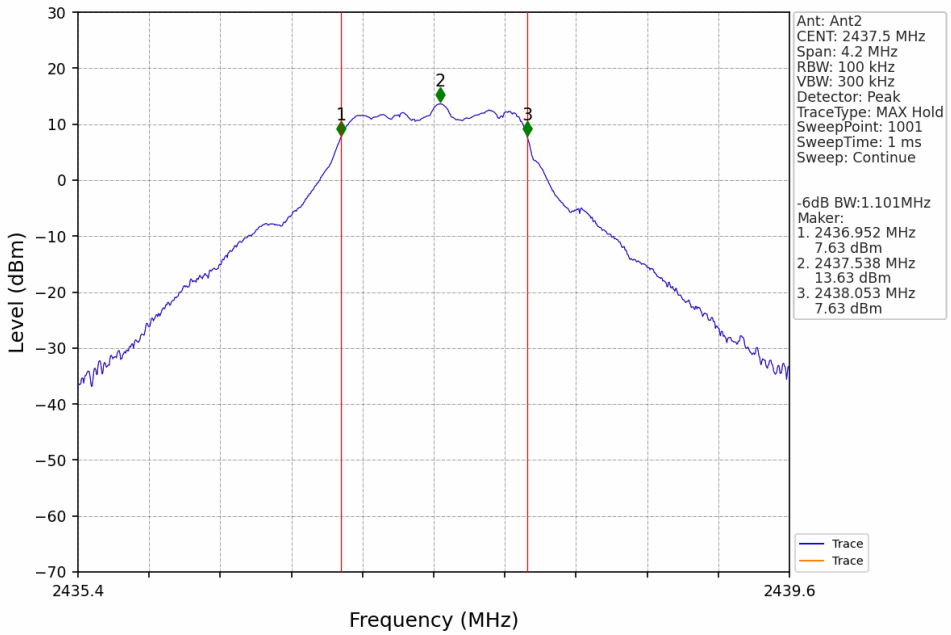


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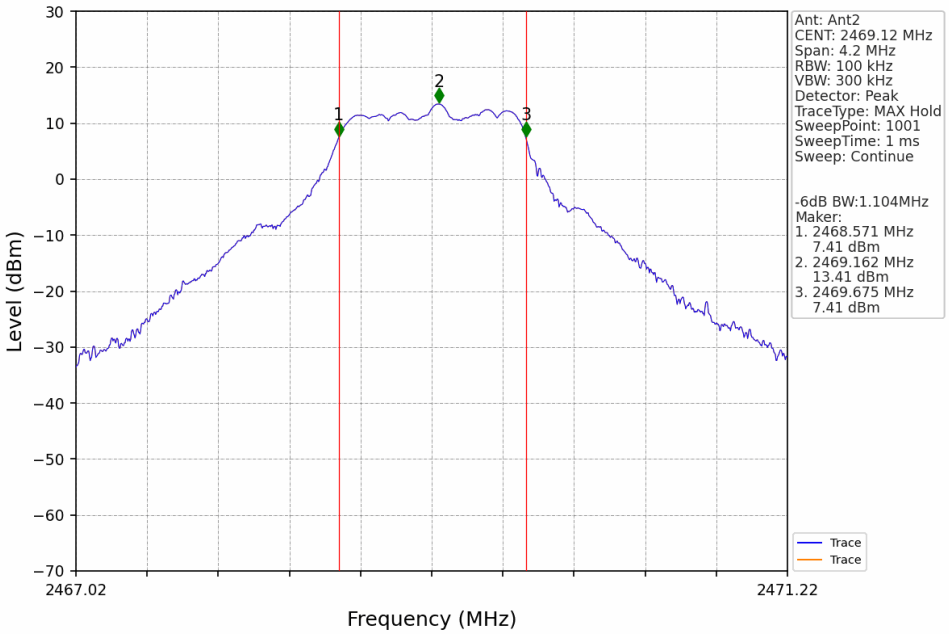
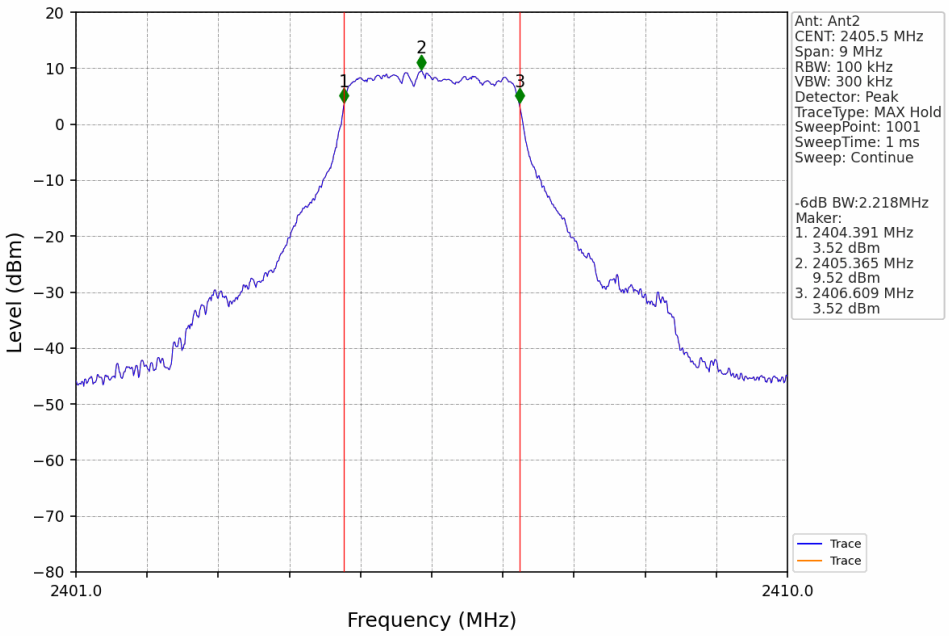
1.4M_HCH_2469.12MHz_Ant2_NTNV




3M_LCH_2405.5MHz_Ant2_NTNV

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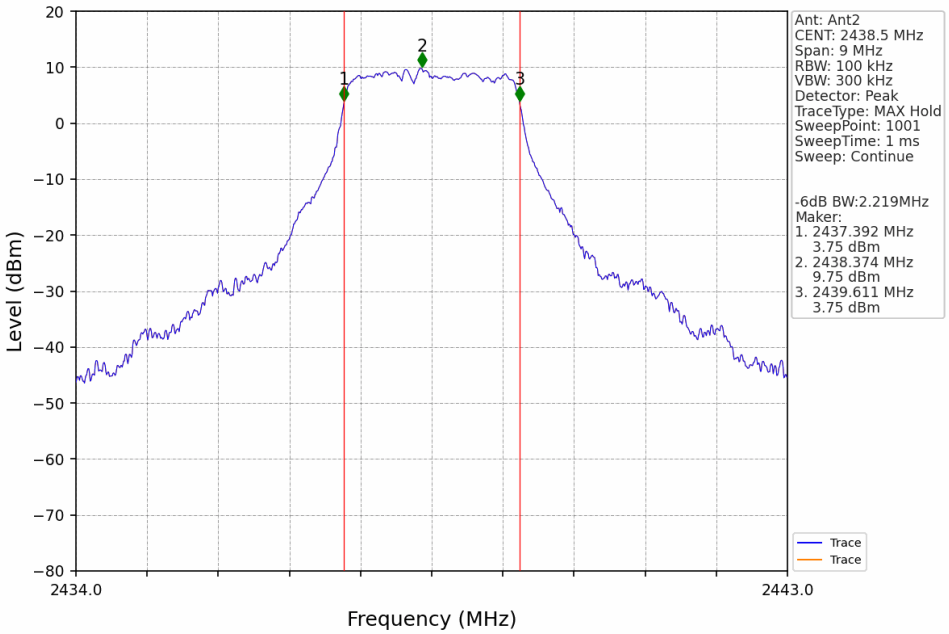
3M_MCH_2438.5MHz_Ant2_NTNV

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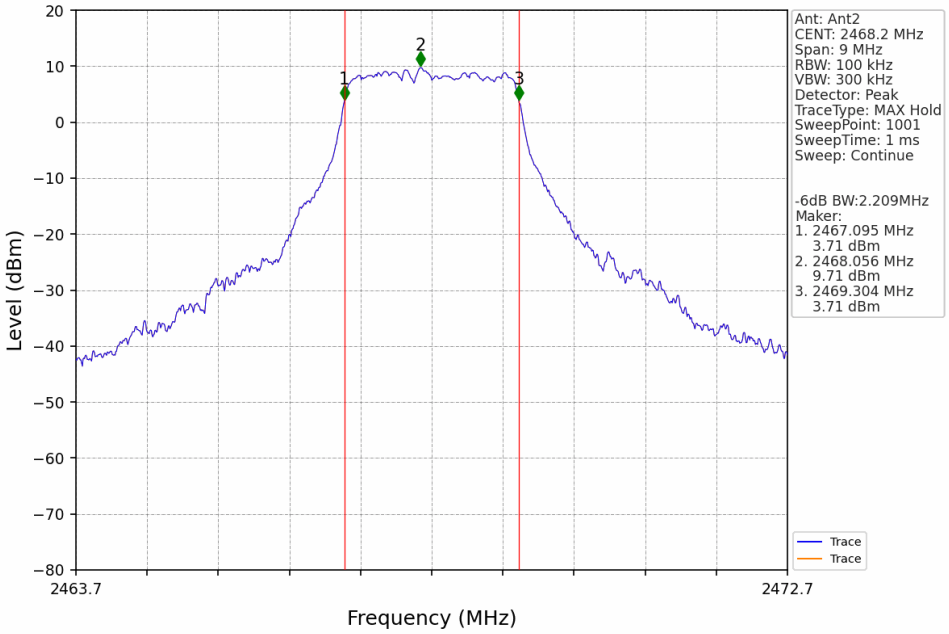


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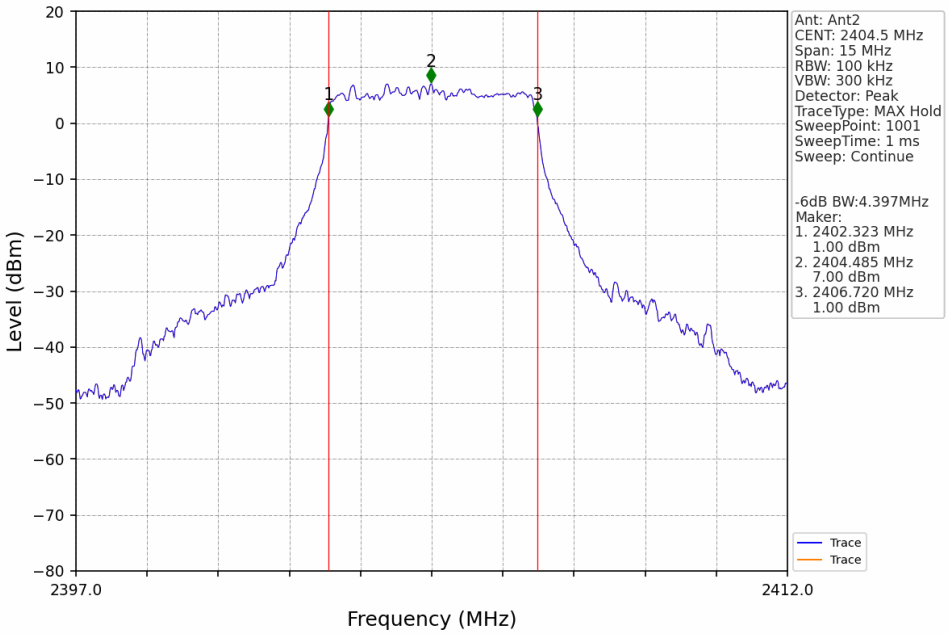
5M_LCH_2404.5MHz_Ant2_NTNV

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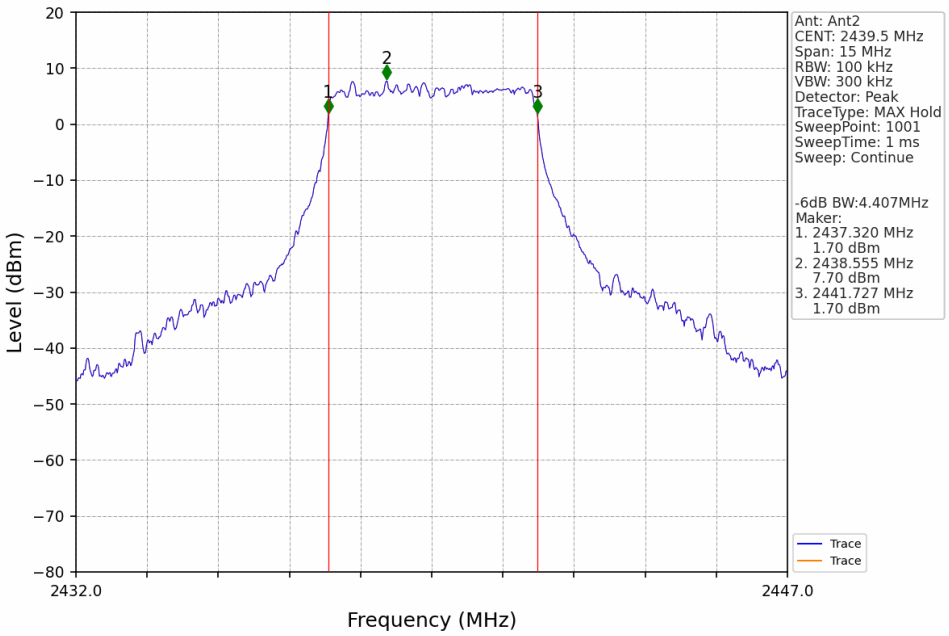


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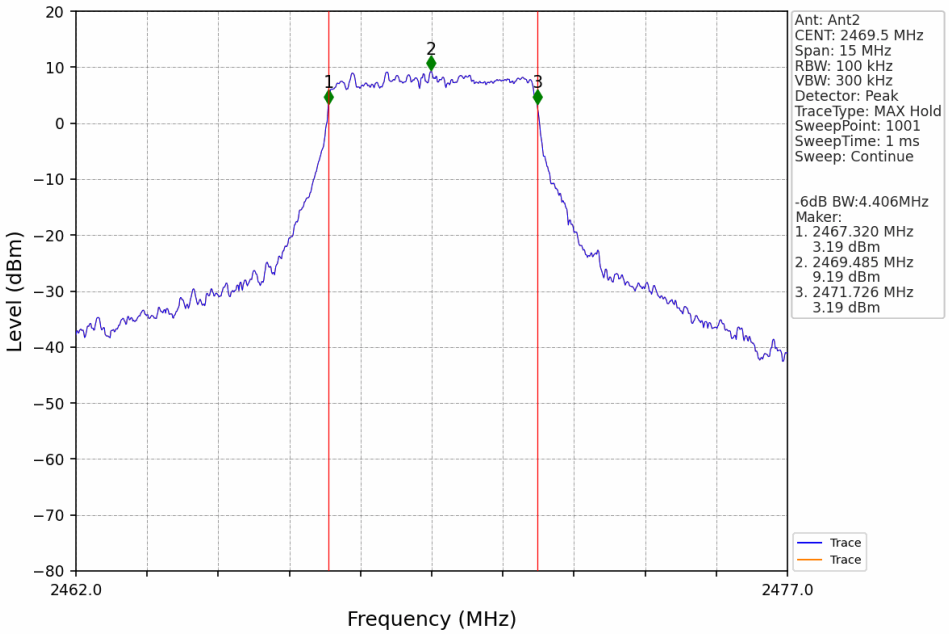
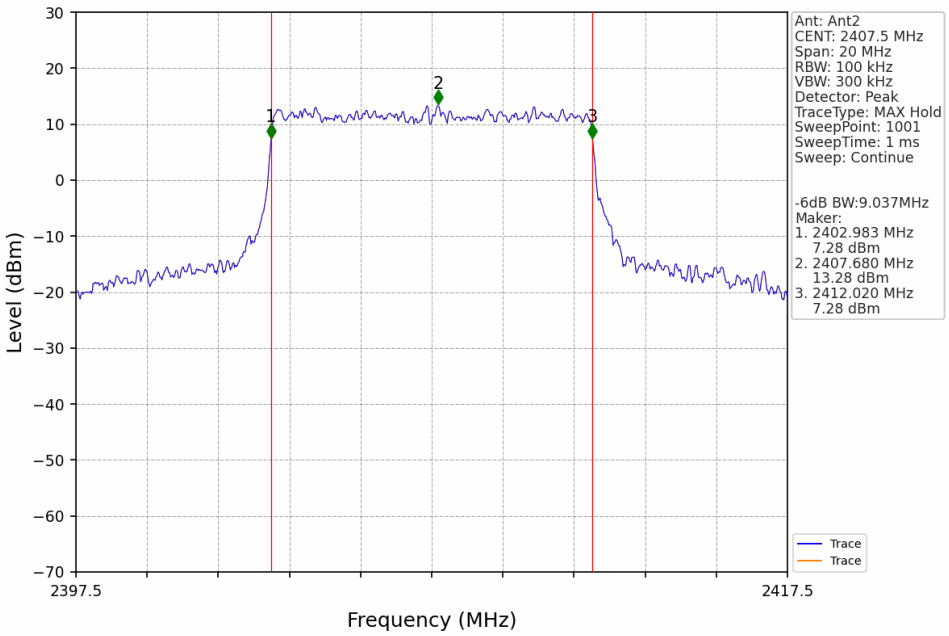



10M_LCH_2407.5MHz_Ant2_NTNV

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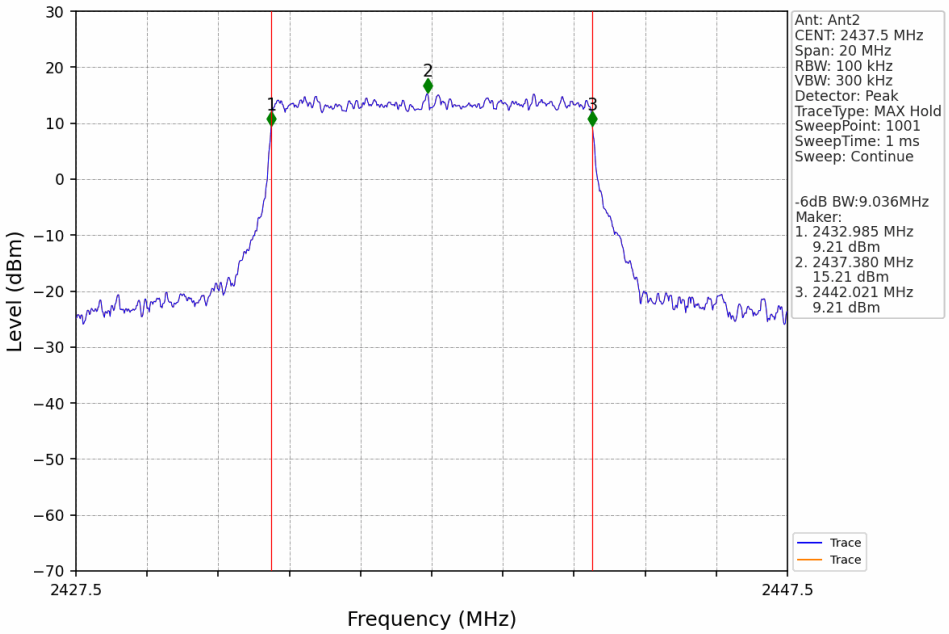
10M_MCH_2437.5MHz_Ant2_NTNV

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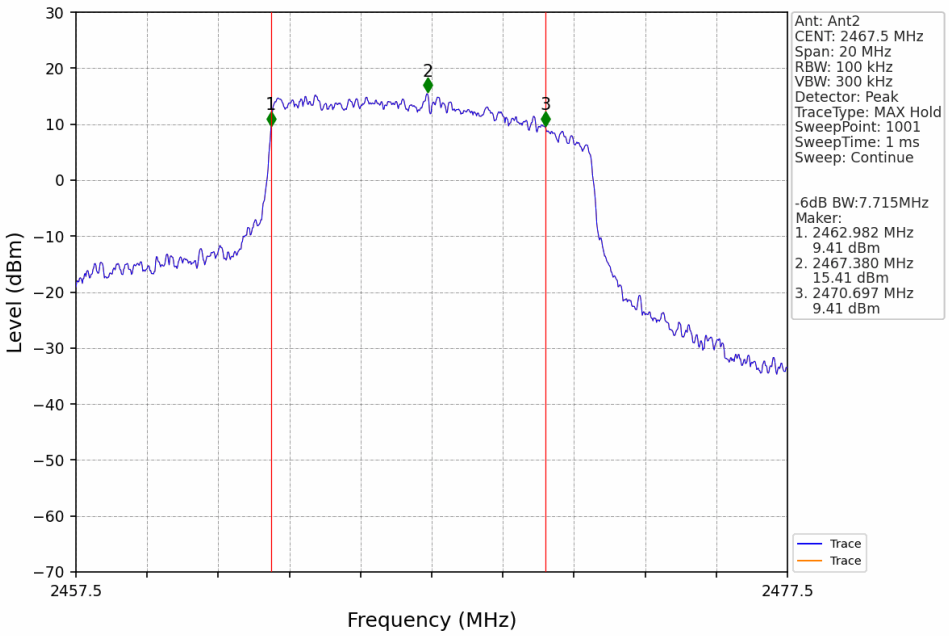


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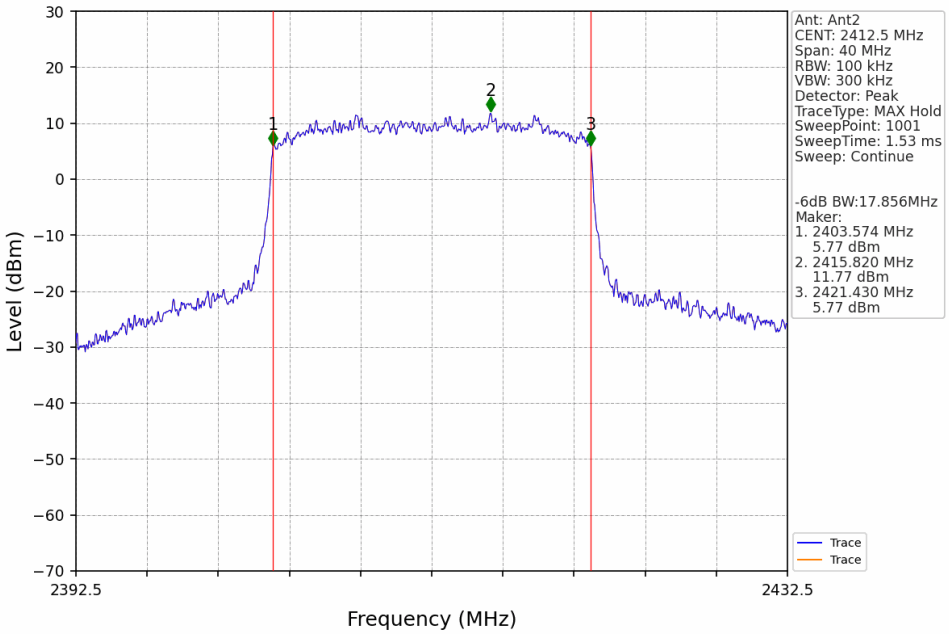
20M_LCH_2412.5MHz_Ant2_NTNV

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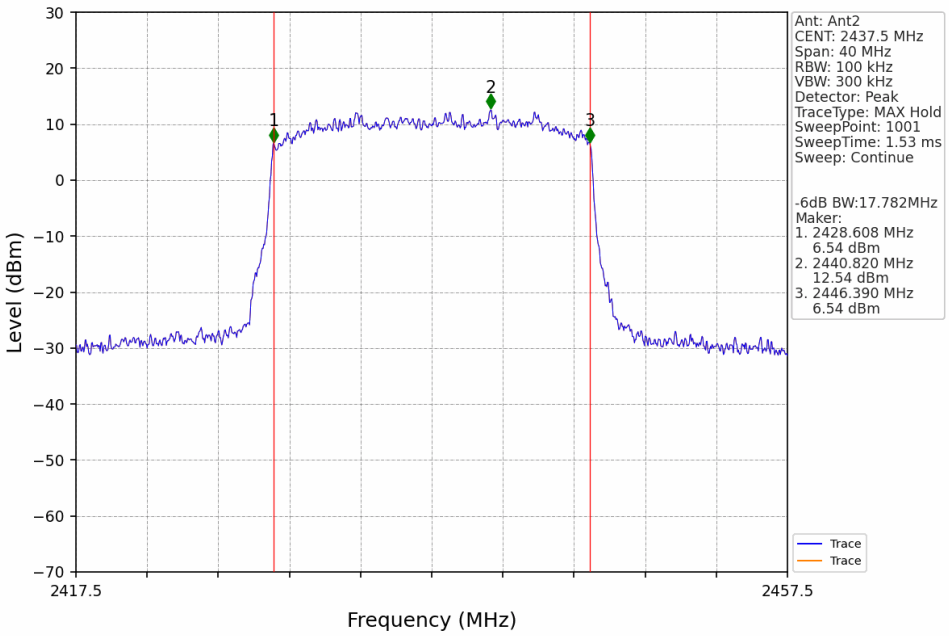


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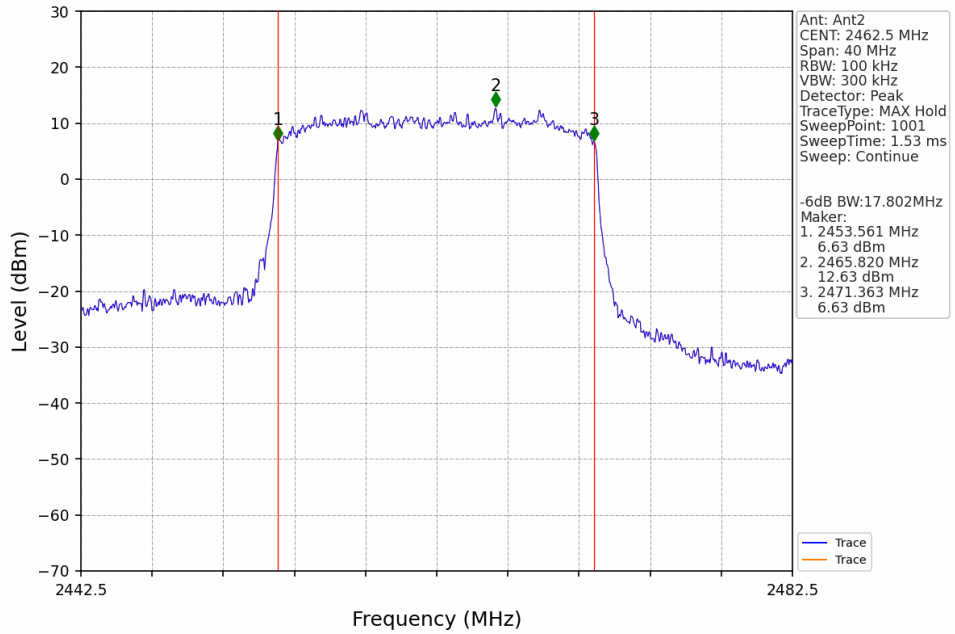
20M_HCH_2462.5MHz_Ant2_NTNV

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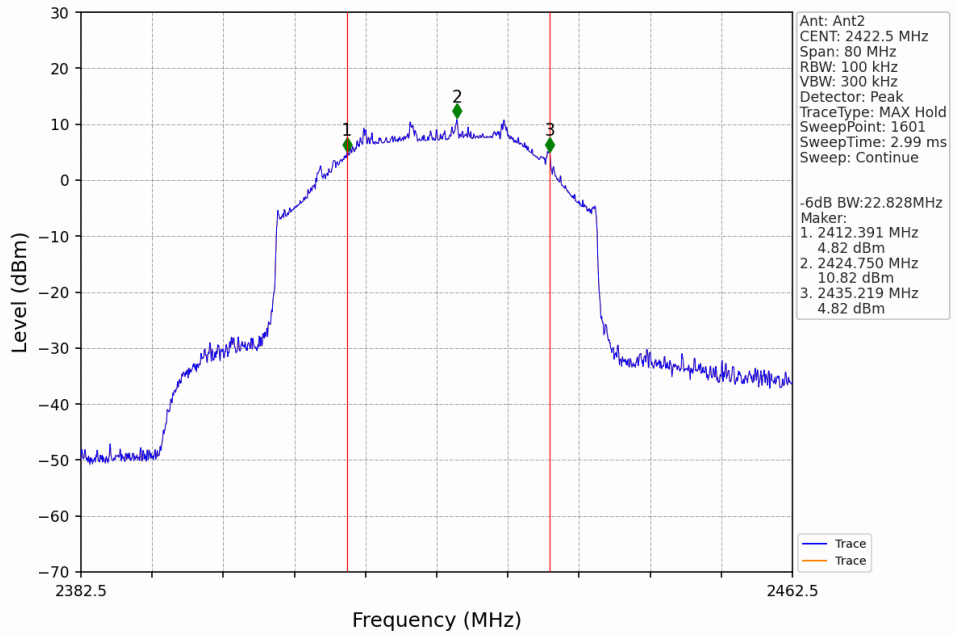


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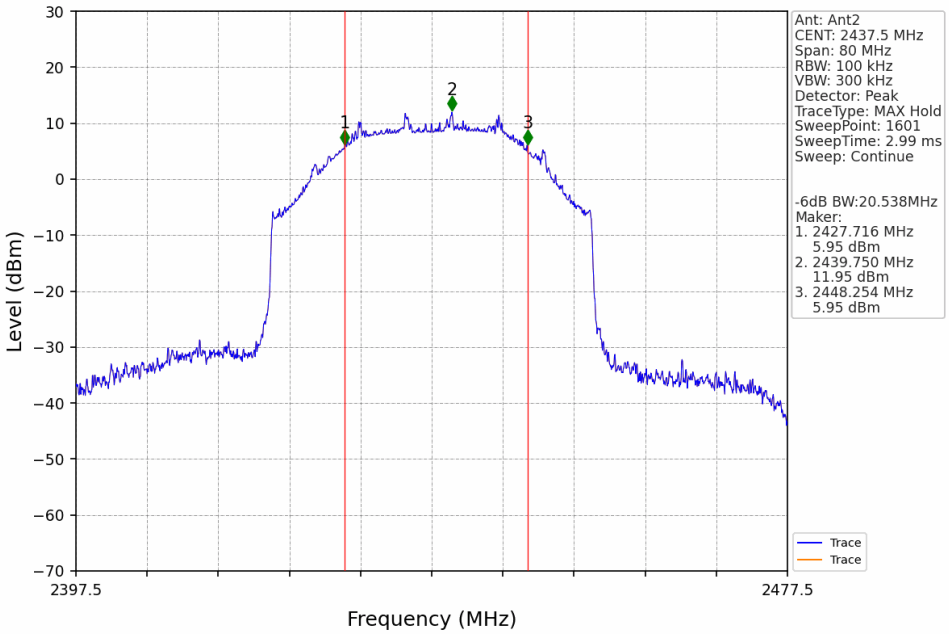
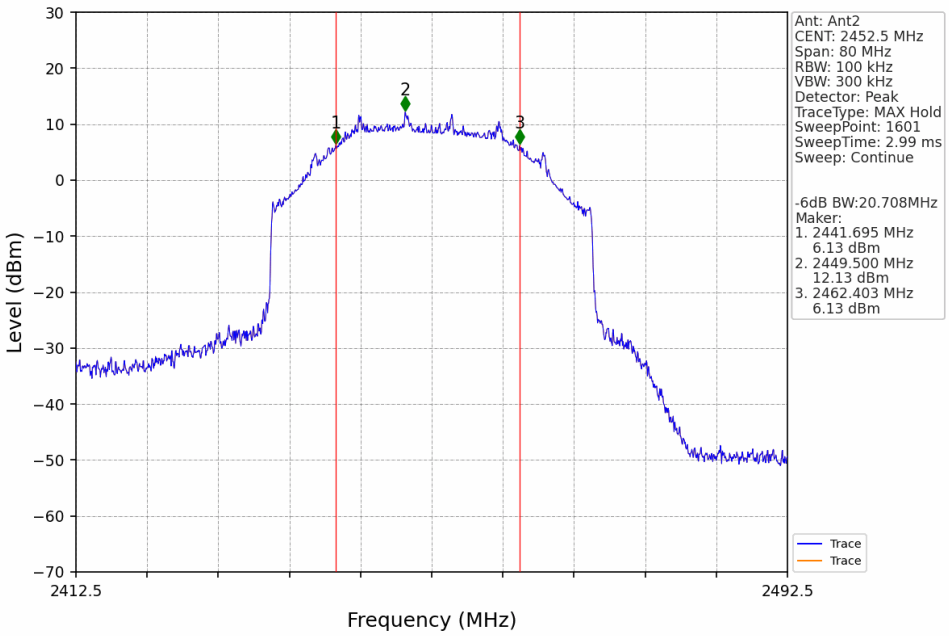
40M_MCH_2437.5MHz_Ant2_NTNV




40M_HCH_2452.5MHz_Ant2_NTNV

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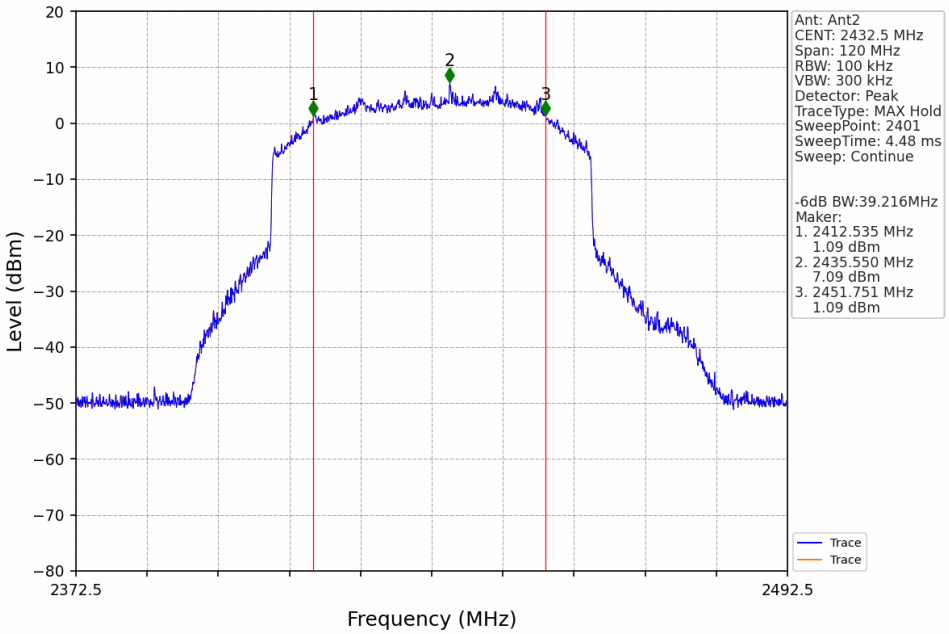


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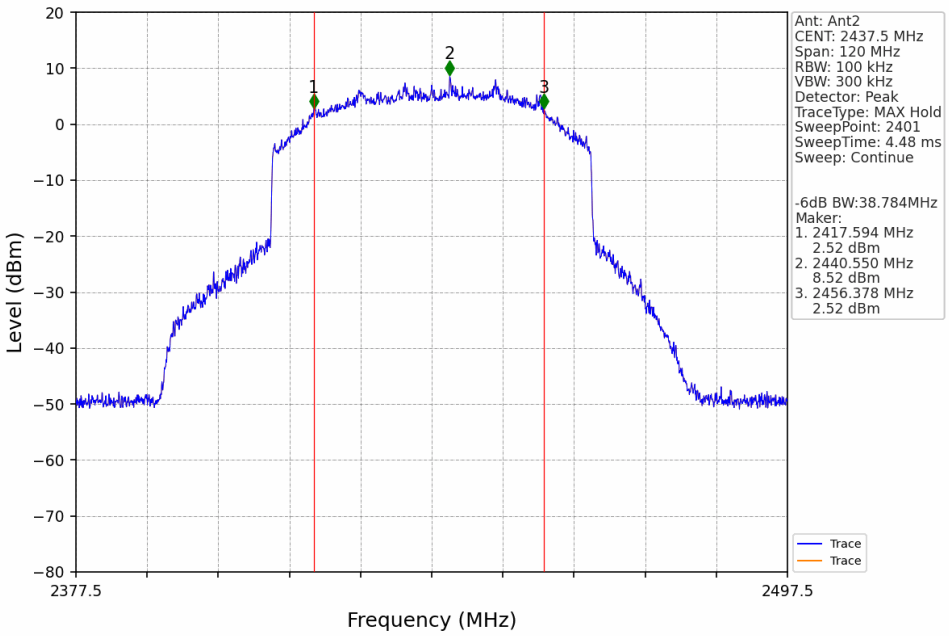


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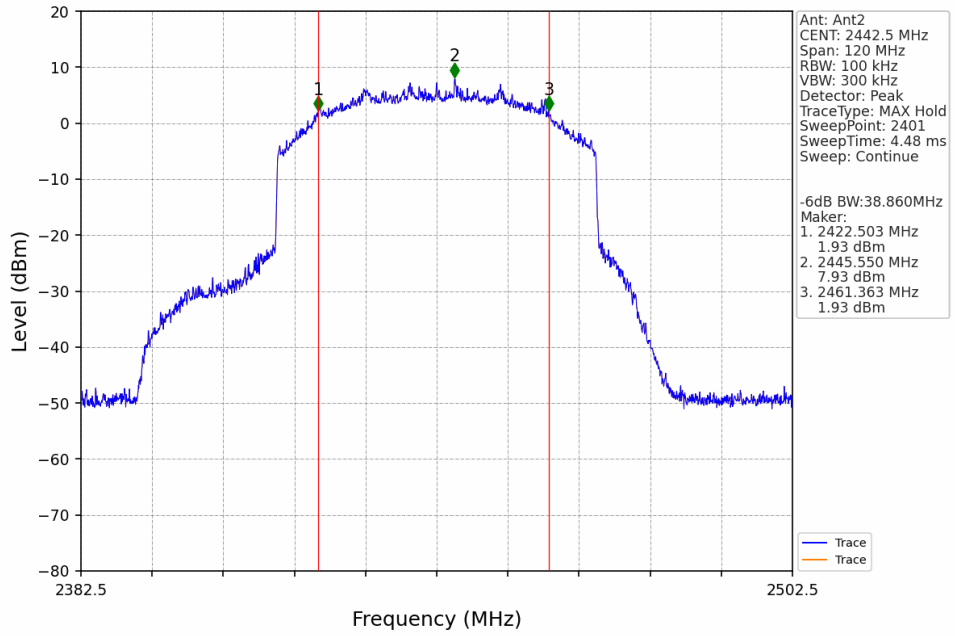
60M_HCH_2442.5MHz_Ant2_NTNV

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# 3. Maximum Conducted Output Power

## 3.1 Test Result

### 3.1.1 Power

| Mode | TX Type | Frequency (MHz) | Maximum Average Conducted Output Power (dBm) | | | | Verdict |
|---|---|---|---|---|---|---|---|
| | | | ANT2 | ANT3 | MIMO | Limit | |
| 1.4M | MIMO | 2403.5 | 14.83 | 14.49 | 17.67 | <=30 | Pass |
| | | 2437.5 | 14.65 | 14.18 | 17.43 | <=30 | Pass |
| | | 2469.12 | 14.54 | 14.87 | 17.72 | <=30 | Pass |
| 3M | MIMO | 2405.5 | 14.22 | 14.30 | 17.27 | <=30 | Pass |
| | | 2438.5 | 14.54 | 14.37 | 17.47 | <=30 | Pass |
| | | 2468.2 | 14.40 | 15.00 | 17.72 | <=30 | Pass |
| 5M | MIMO | 2404.5 | 14.19 | 14.24 | 17.23 | <=30 | Pass |
| | | 2439.5 | 15.04 | 14.48 | 17.78 | <=30 | Pass |
| | | 2469.5 | 14.57 | 14.45 | 17.52 | <=30 | Pass |
| 10M | MIMO | 2407.5 | 23.35 | 23.20 | 26.29 | <=30 | Pass |
| | | 2437.5 | 25.22 | 24.50 | 27.89 | <=30 | Pass |
| | | 2467.5 | 24.33 | 24.62 | 27.49 | <=30 | Pass |
| 20M | MIMO | 2412.5 | 22.74 | 22.77 | 25.77 | <=30 | Pass |
| | | 2437.5 | 24.39 | 23.77 | 27.10 | <=30 | Pass |
| | | 2462.5 | 24.54 | 24.48 | 27.52 | <=30 | Pass |
| 40M | MIMO | 2422.5 | 23.39 | 23.28 | 26.35 | <=30 | Pass |
| | | 2437.5 | 24.34 | 23.66 | 27.02 | <=30 | Pass |
| | | 2452.5 | 25.16 | 25.21 | 28.20 | <=30 | Pass |
| 60M | MIMO | 2432.5 | 21.79 | 21.66 | 24.74 | <=30 | Pass |
| | | 2437.5 | 23.05 | 22.34 | 25.72 | <=30 | Pass |
| | | 2442.5 | 22.63 | 22.41 | 25.53 | <=30 | Pass |

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# 4. Maximum Power Spectral Density

## 4.1 Test Result

### 4.1.1 PSD

| Mode | TX Type | Frequency (MHz) | Maximum PSD (dBm/3kHz) | | | | Verdict |
|---|---|---|---|---|---|---|---|
| | | | ANT2 | ANT3 | MIMO | Limit | |
| 1.4M | MIMO | 2403.5 | -1.23 | -2.76 | 0.91 | <=8 | Pass |
| | | 2437.5 | -1.10 | -2.78 | 1.13 | <=8 | Pass |
| | | 2469.12 | -1.25 | -1.99 | 1.39 | <=8 | Pass |
| 3M | MIMO | 2405.5 | -1.61 | 0.66 | 2.68 | <=8 | Pass |
| | | 2438.5 | -2.34 | 1.05 | 2.69 | <=8 | Pass |
| | | 2468.2 | -3.25 | 1.07 | 2.44 | <=8 | Pass |
| 5M | MIMO | 2404.5 | -3.15 | -4.55 | -0.78 | <=8 | Pass |
| | | 2439.5 | -6.46 | -7.22 | -4.94 | <=8 | Pass |
| | | 2469.5 | -2.81 | -5.42 | -0.91 | <=8 | Pass |
| 10M | MIMO | 2407.5 | -1.14 | -1.18 | 0.98 | <=8 | Pass |
| | | 2437.5 | 0.43 | 0.38 | 2.12 | <=8 | Pass |
| | | 2467.5 | 0.66 | 1.53 | 3.12 | <=8 | Pass |
| 20M | MIMO | 2412.5 | -3.01 | 3.75 | 4.58 | <=8 | Pass |
| | | 2437.5 | -3.06 | 1.64 | 2.91 | <=8 | Pass |
| | | 2462.5 | -0.80 | 5.73 | 6.60 | <=8 | Pass |
| 40M | MIMO | 2422.5 | -0.84 | -3.91 | 0.90 | <=8 | Pass |
| | | 2437.5 | -0.97 | -3.15 | 1.08 | <=8 | Pass |
| | | 2452.5 | -0.78 | -0.57 | 2.34 | <=8 | Pass |
| 60M | MIMO | 2432.5 | -4.32 | -7.68 | -2.67 | <=8 | Pass |
| | | 2437.5 | -3.03 | -5.13 | -0.95 | <=8 | Pass |
| | | 2442.5 | -1.98 | -2.60 | 0.73 | <=8 | Pass |

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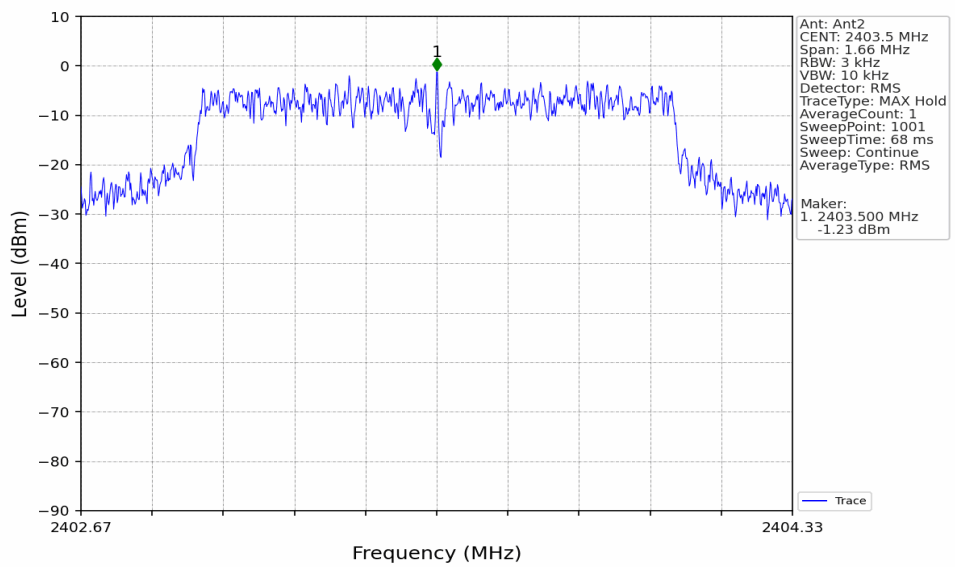
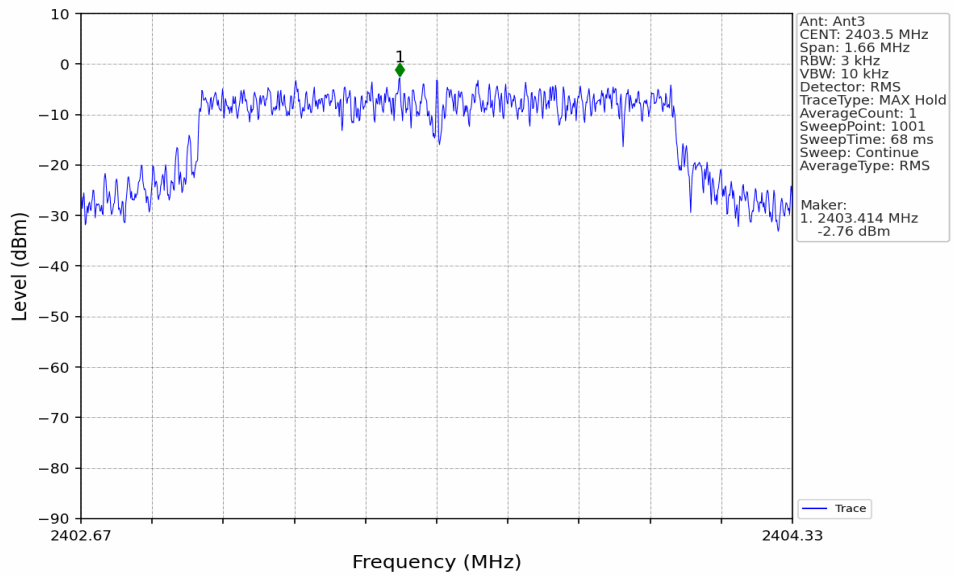
## 4.2 Test Graph

### 4.2.1 PSD

1.4M_LCH_2403.5MHz_Ant2_NTNV




1.4M_LCH_2403.5MHz_Ant3_NTNV

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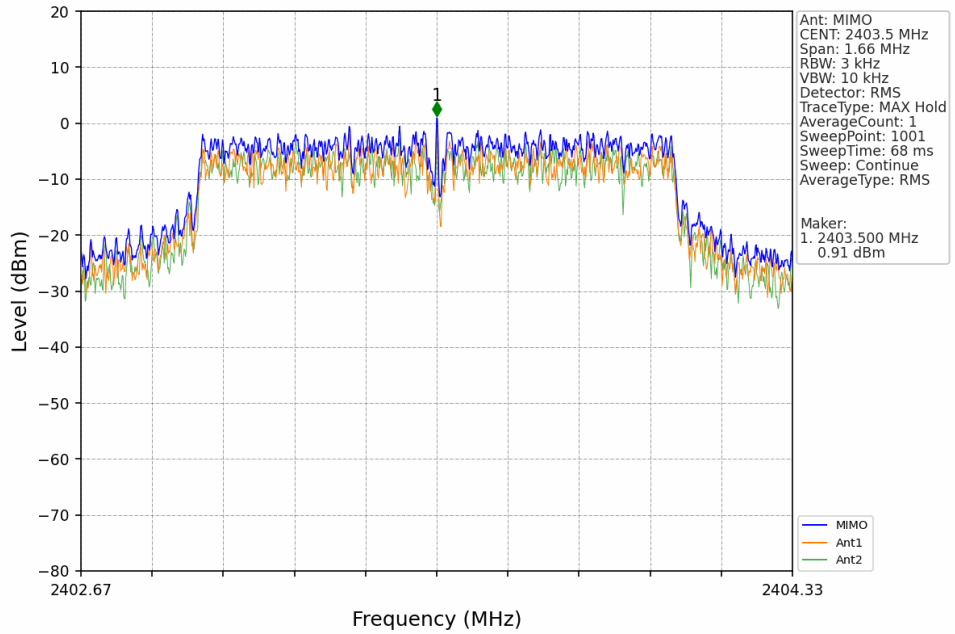
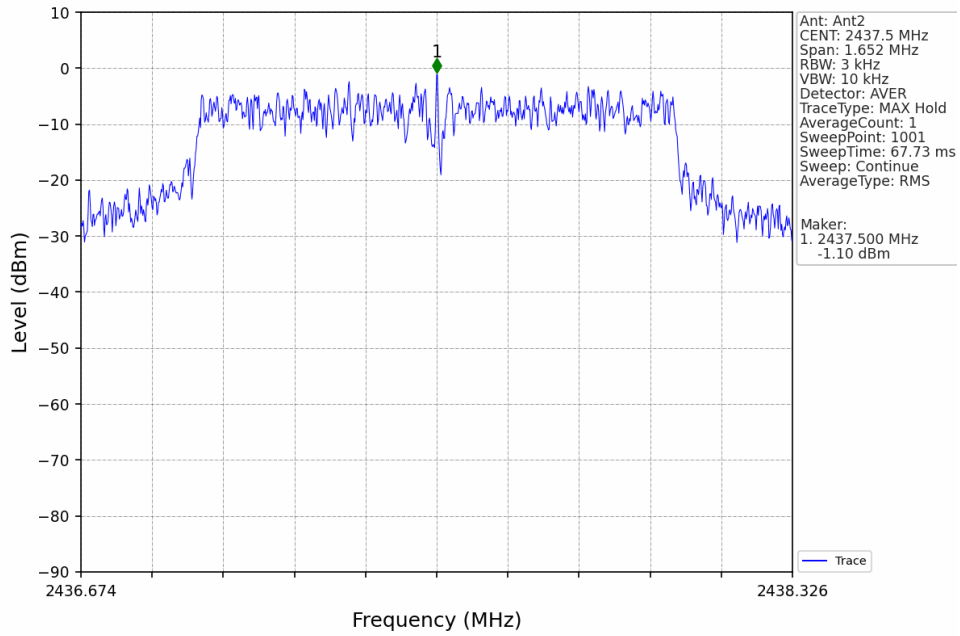
1.4M_LCH_2403.5MHz_MIMO_NTNV




1.4M_MCH_2437.5MHz_Ant2_NTNV

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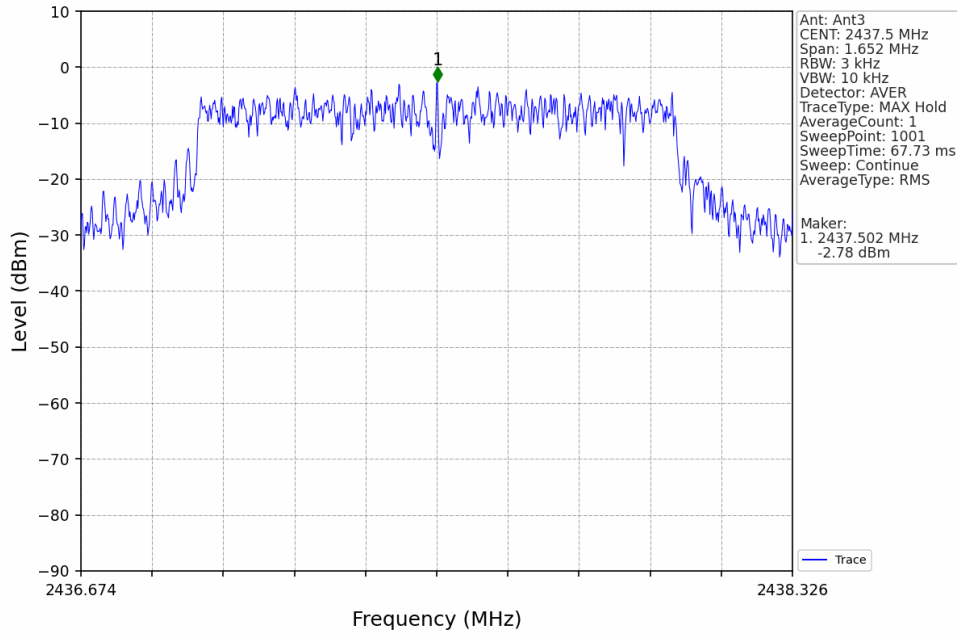
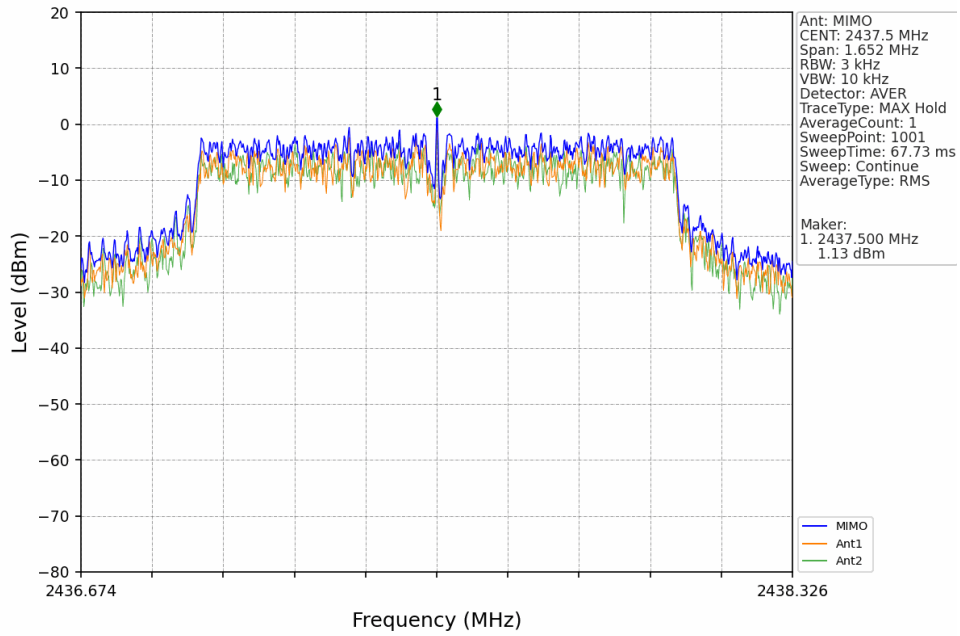
1.4M_MCH_2437.5MHz_Ant3_NTNV




1.4M_MCH_2437.5MHz_MIMO_NTNV

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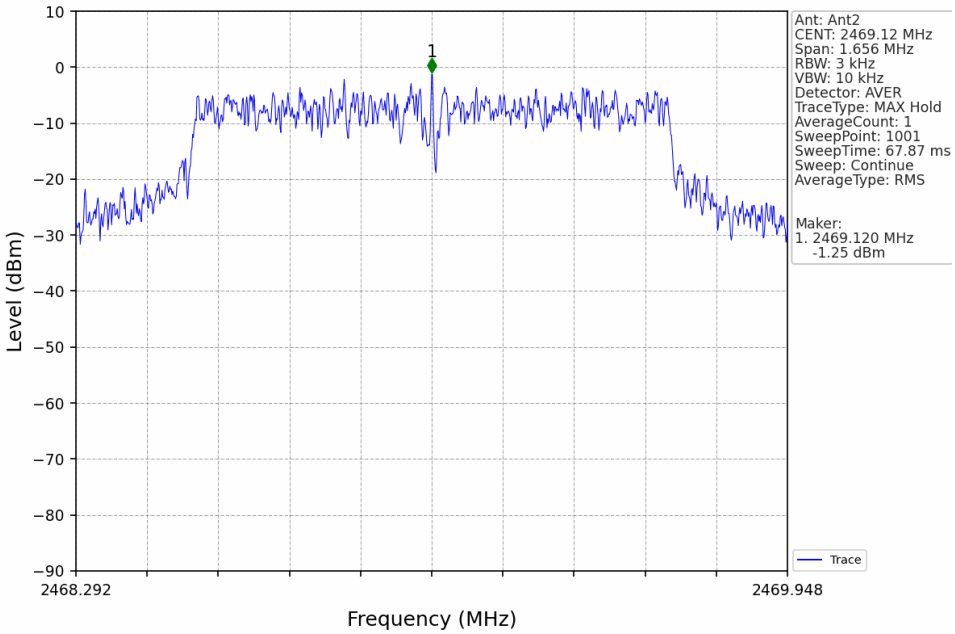
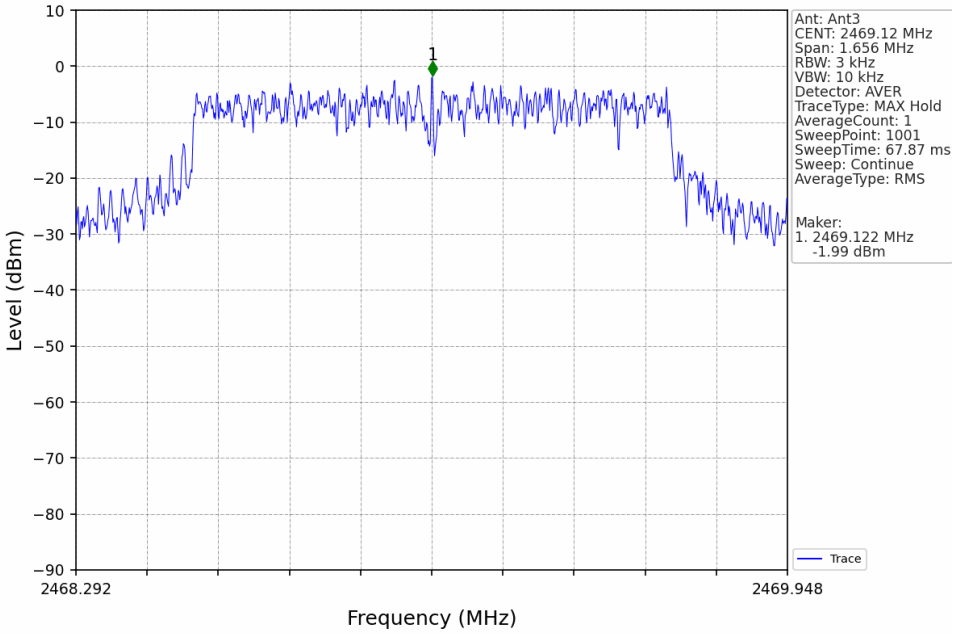
1.4M_HCH_2469.12MHz_Ant2_NTNV




1.4M_HCH_2469.12MHz_Ant3_NTNV

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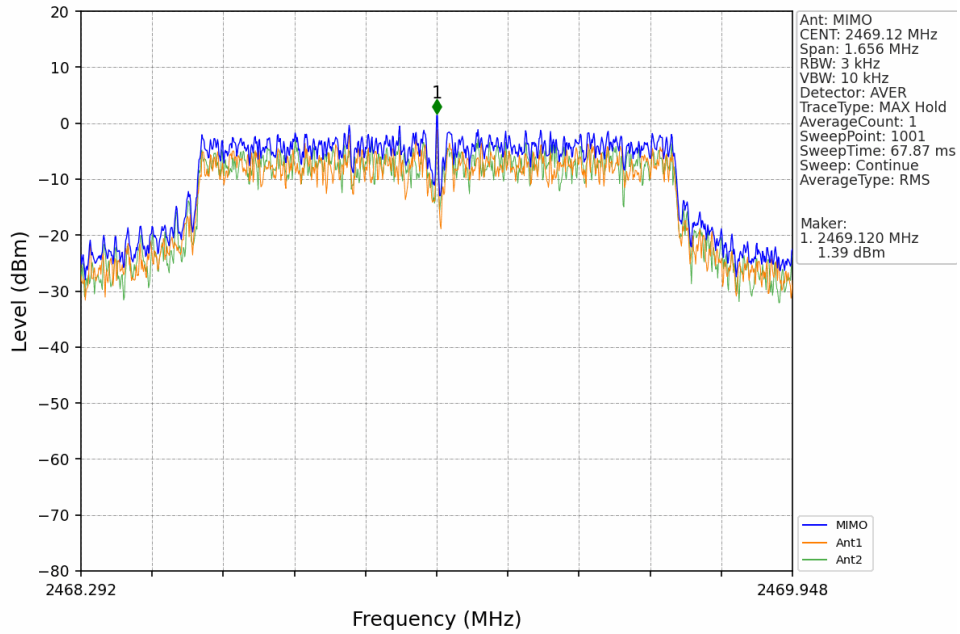
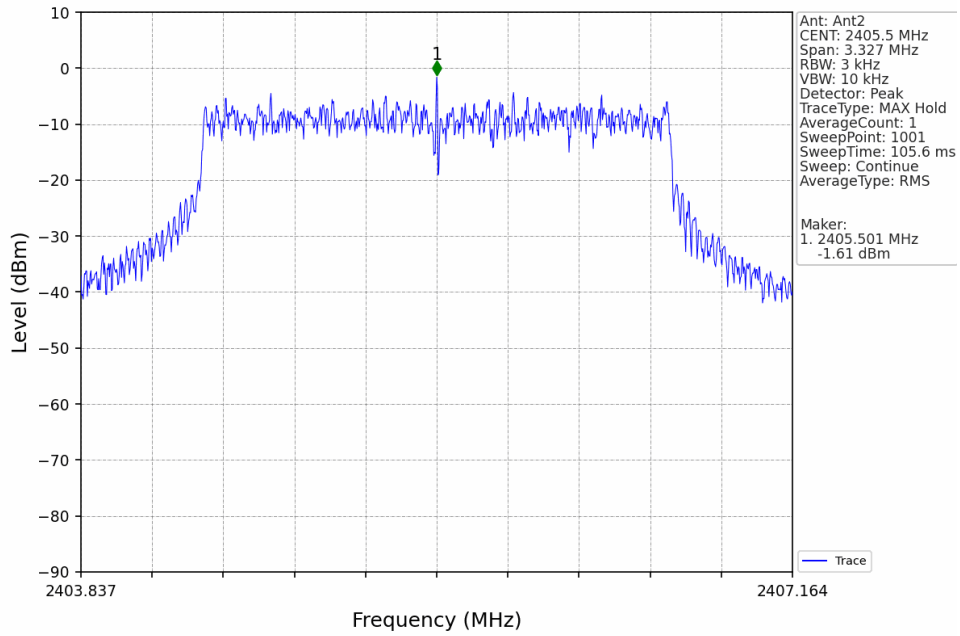



3M_LCH_2405.5MHz_Ant2_NTNV

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