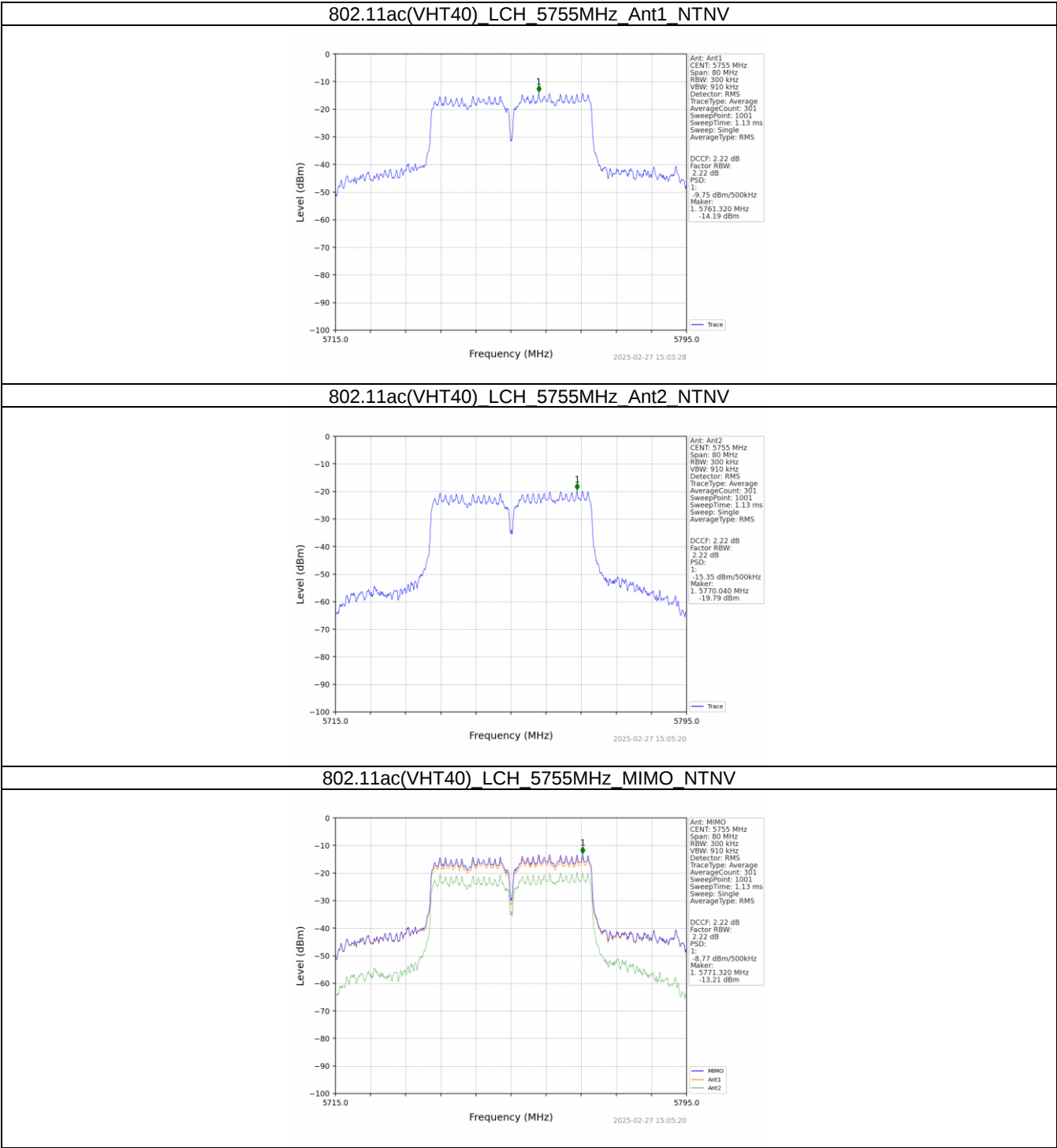
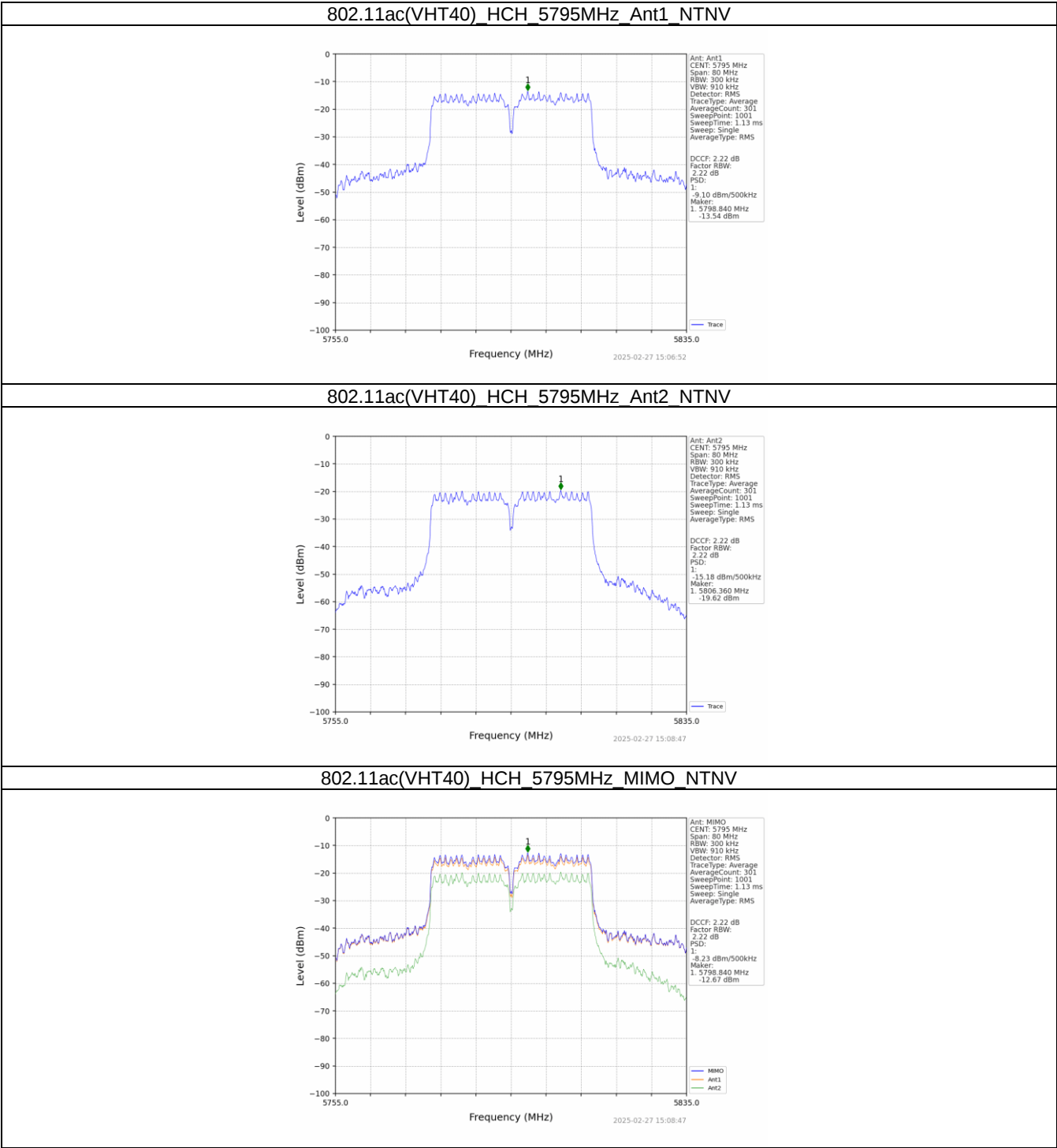
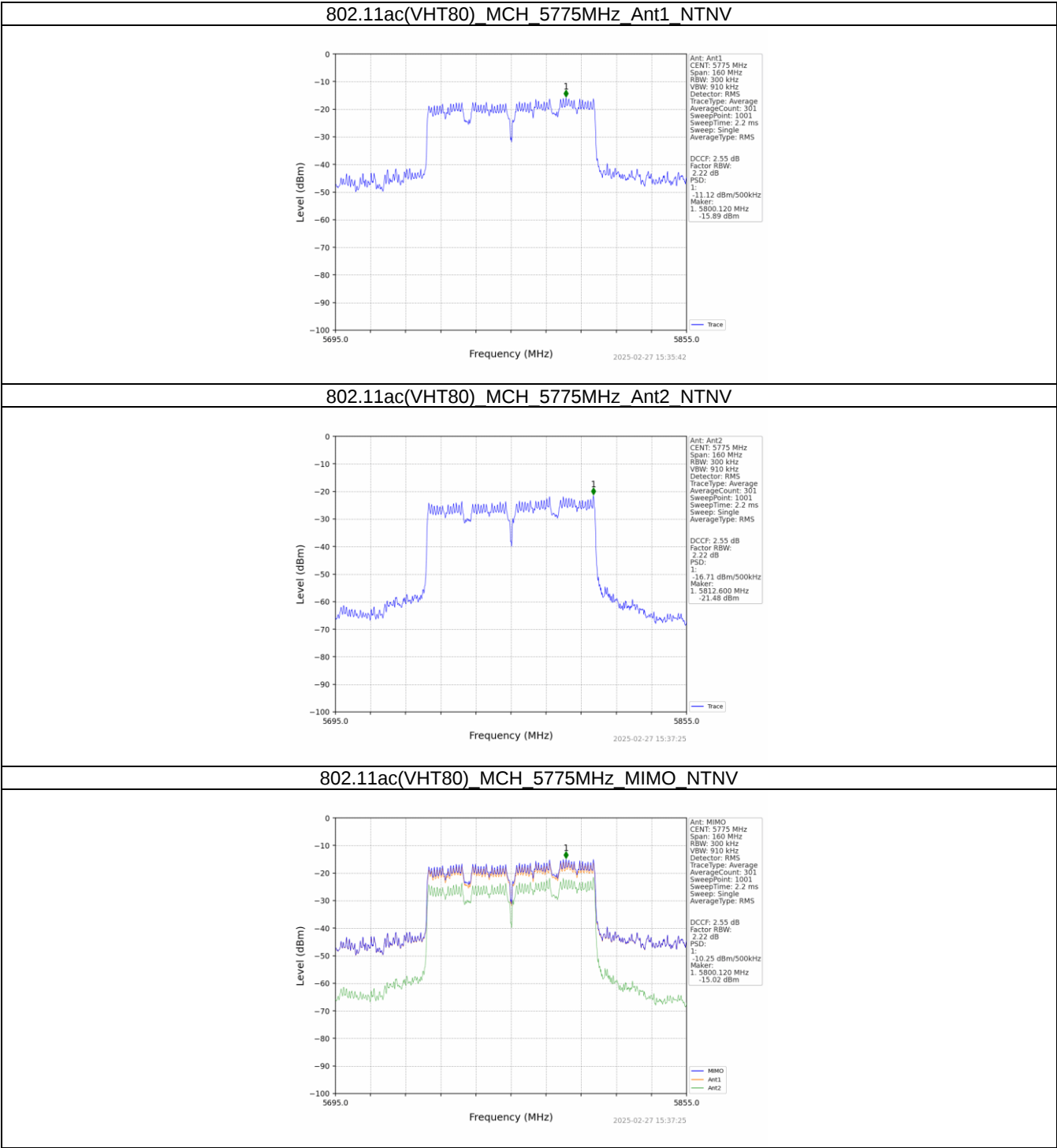
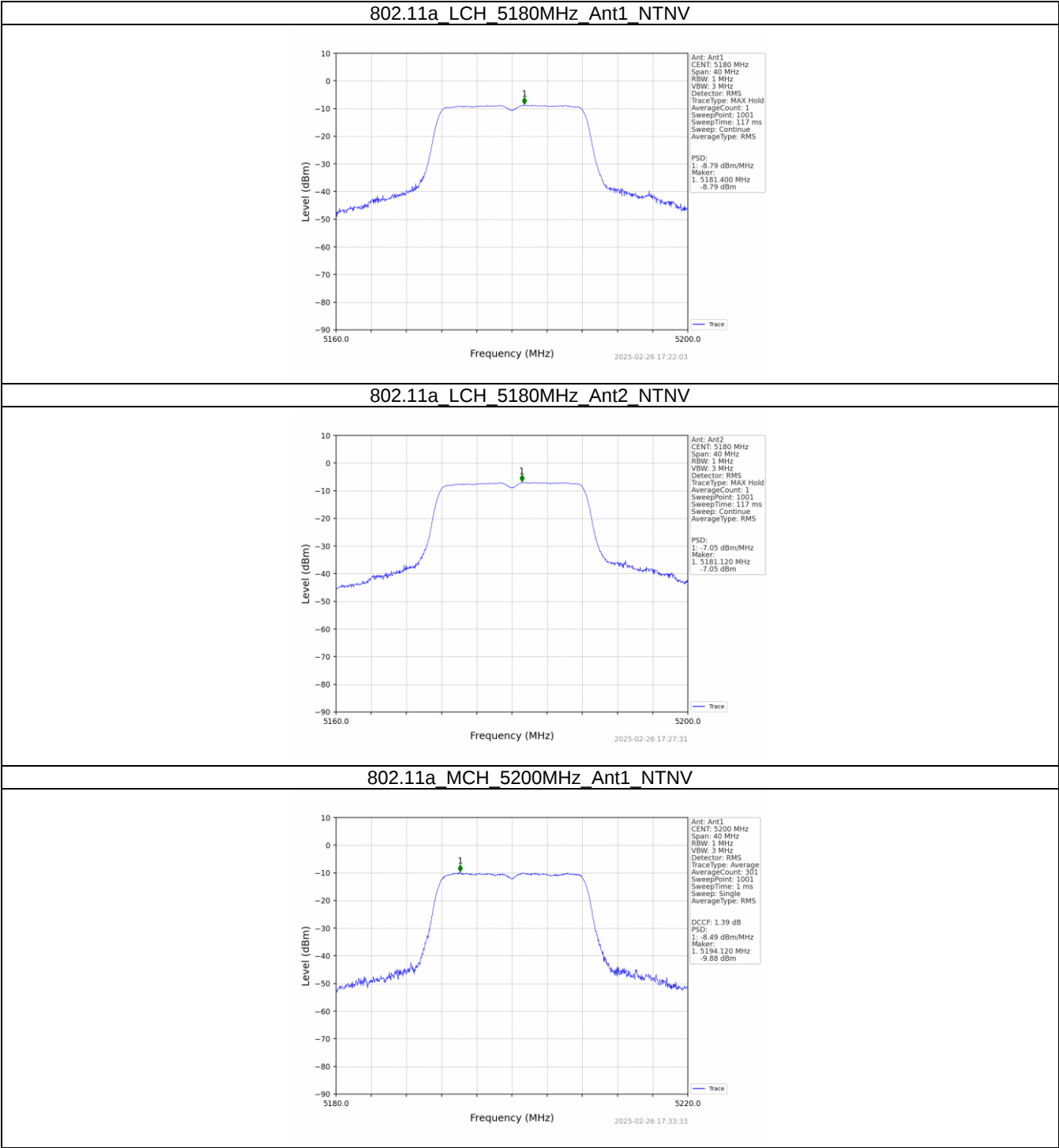


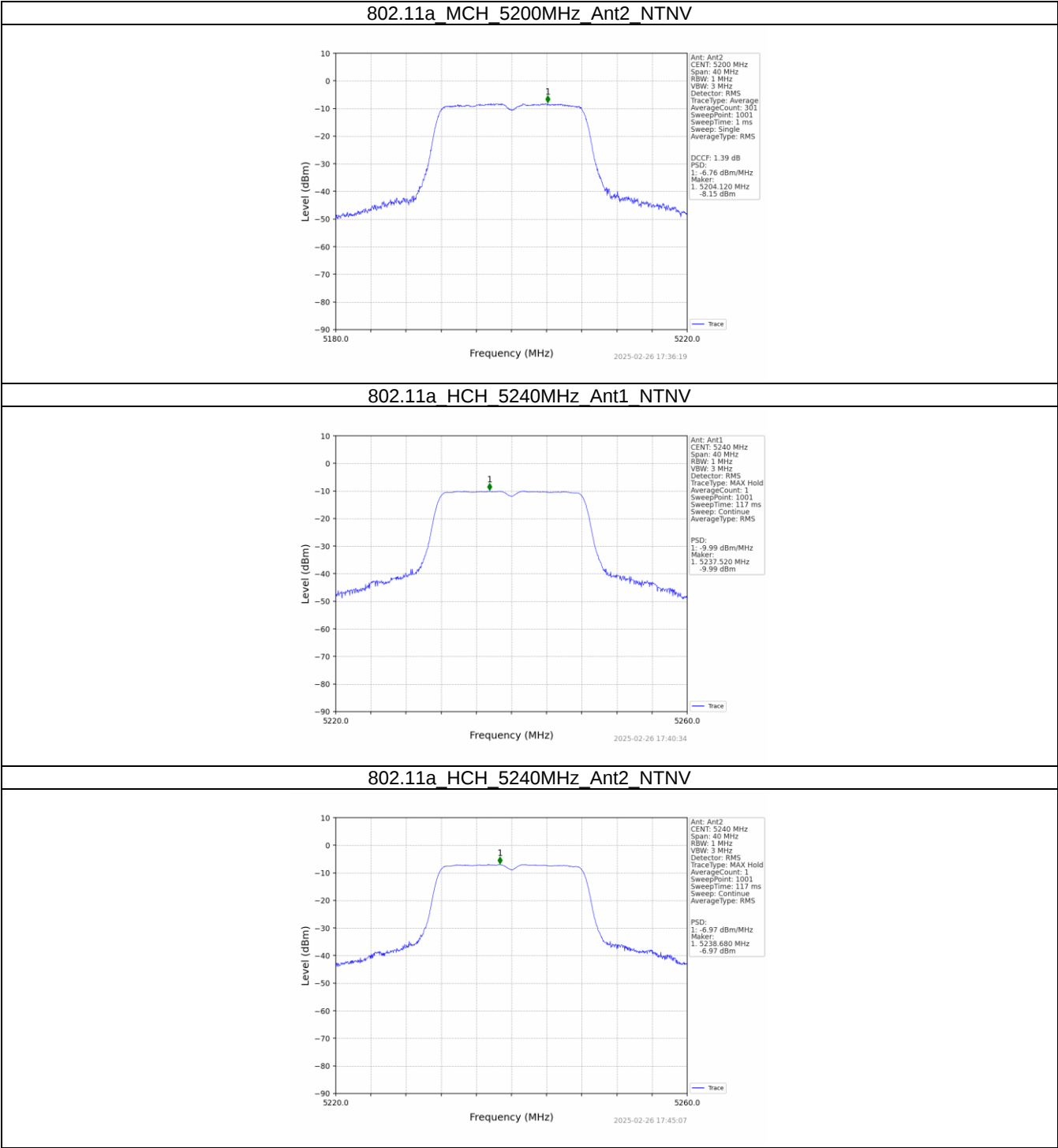


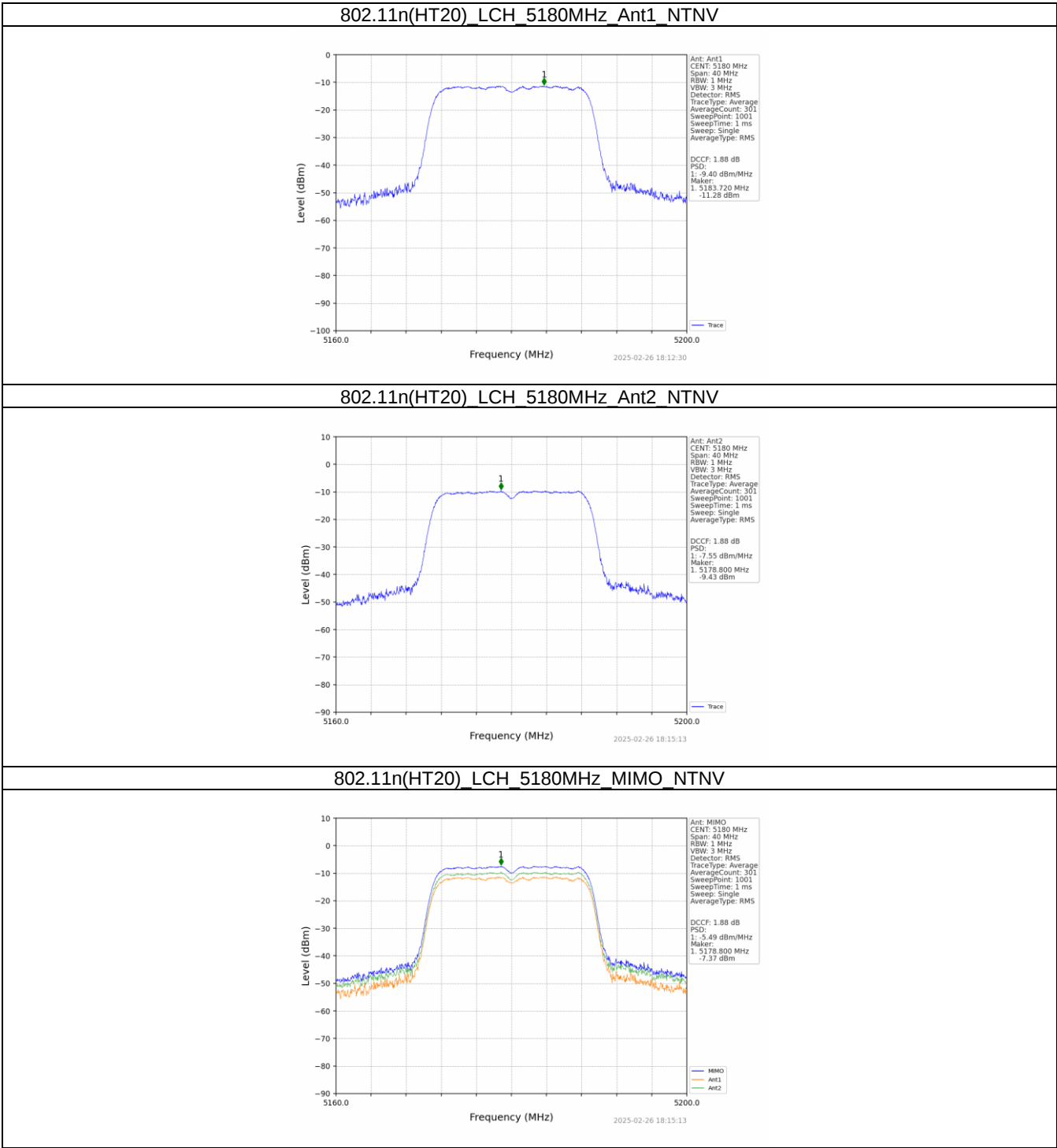


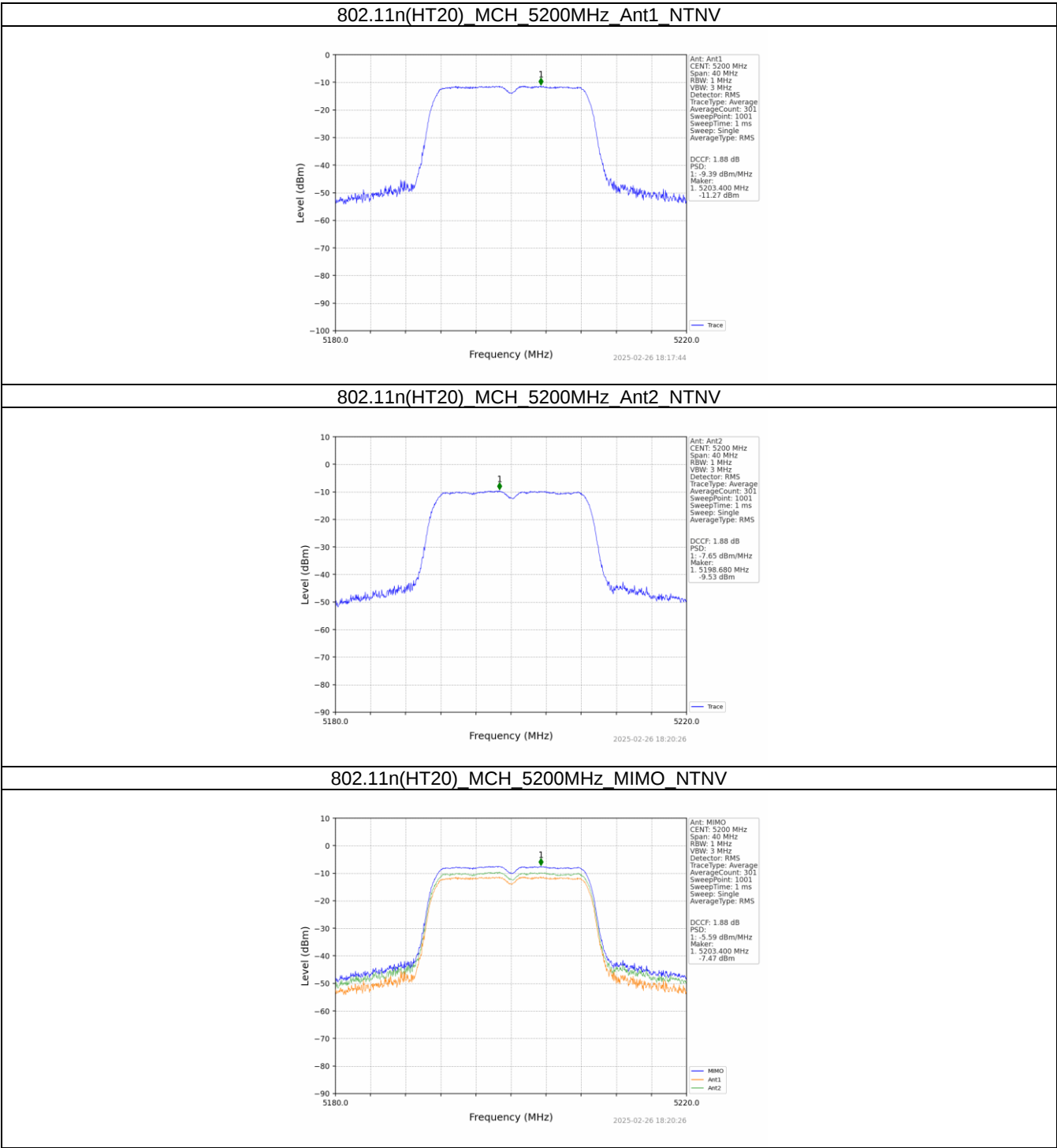


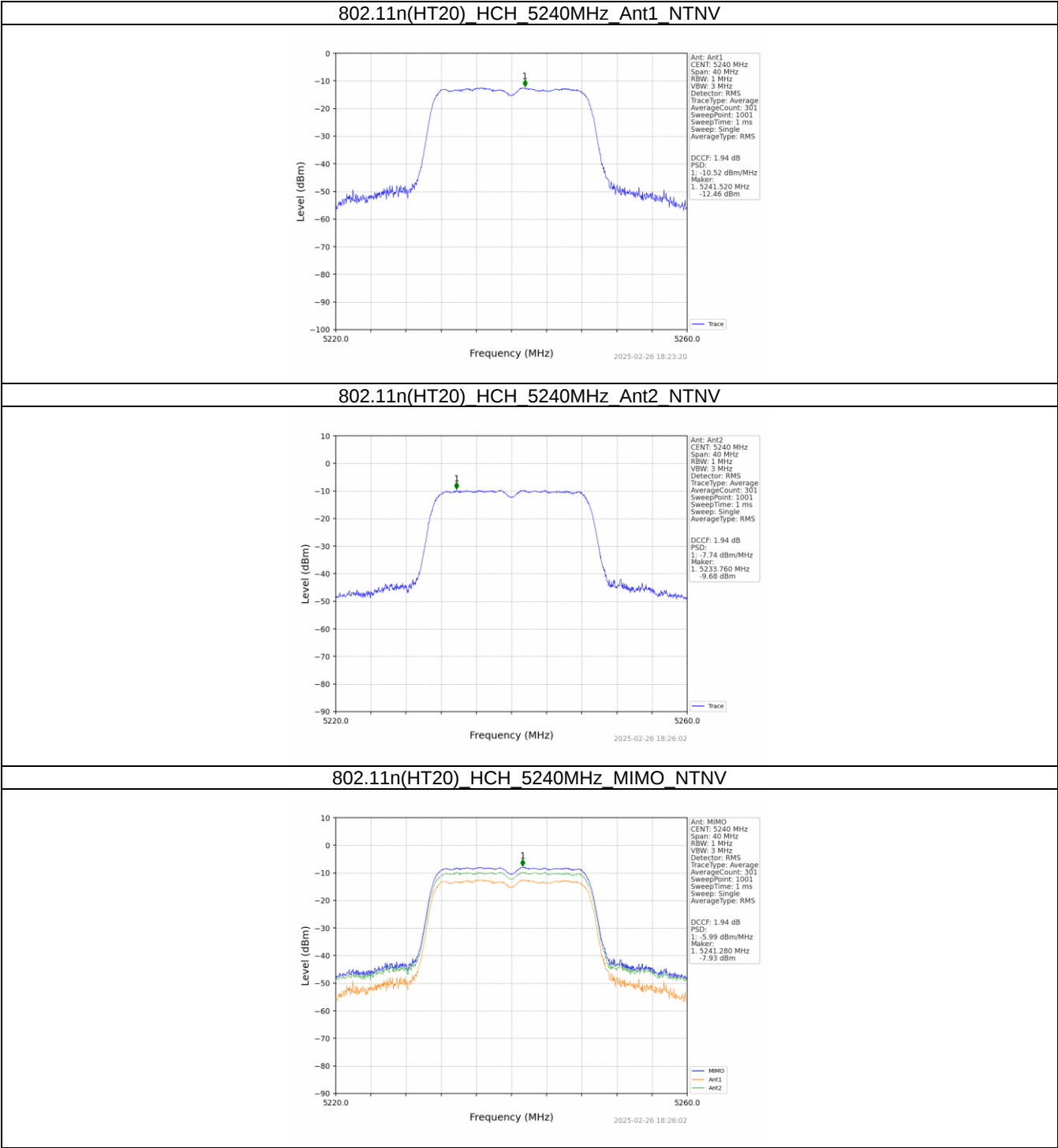
Module 1:

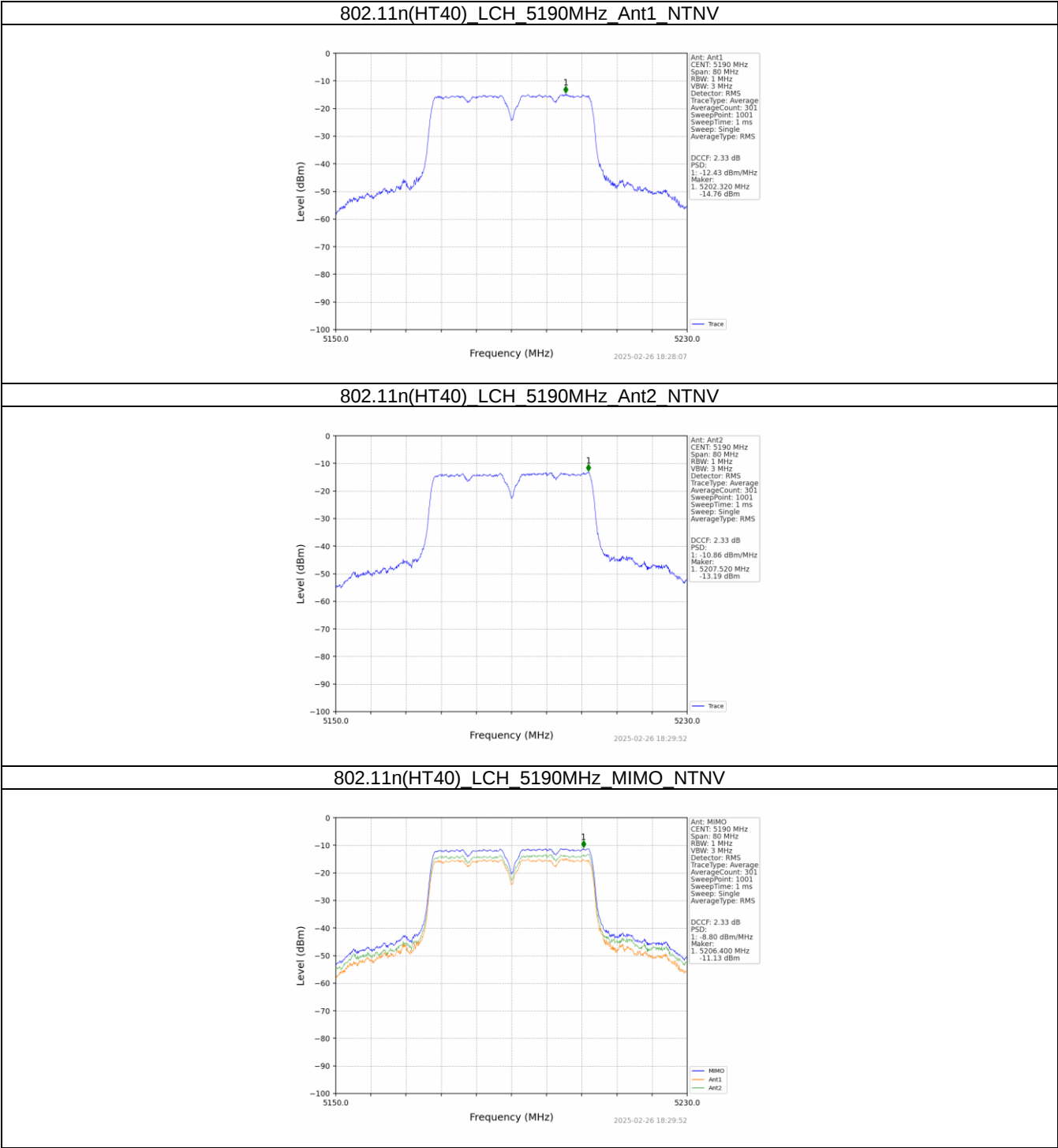


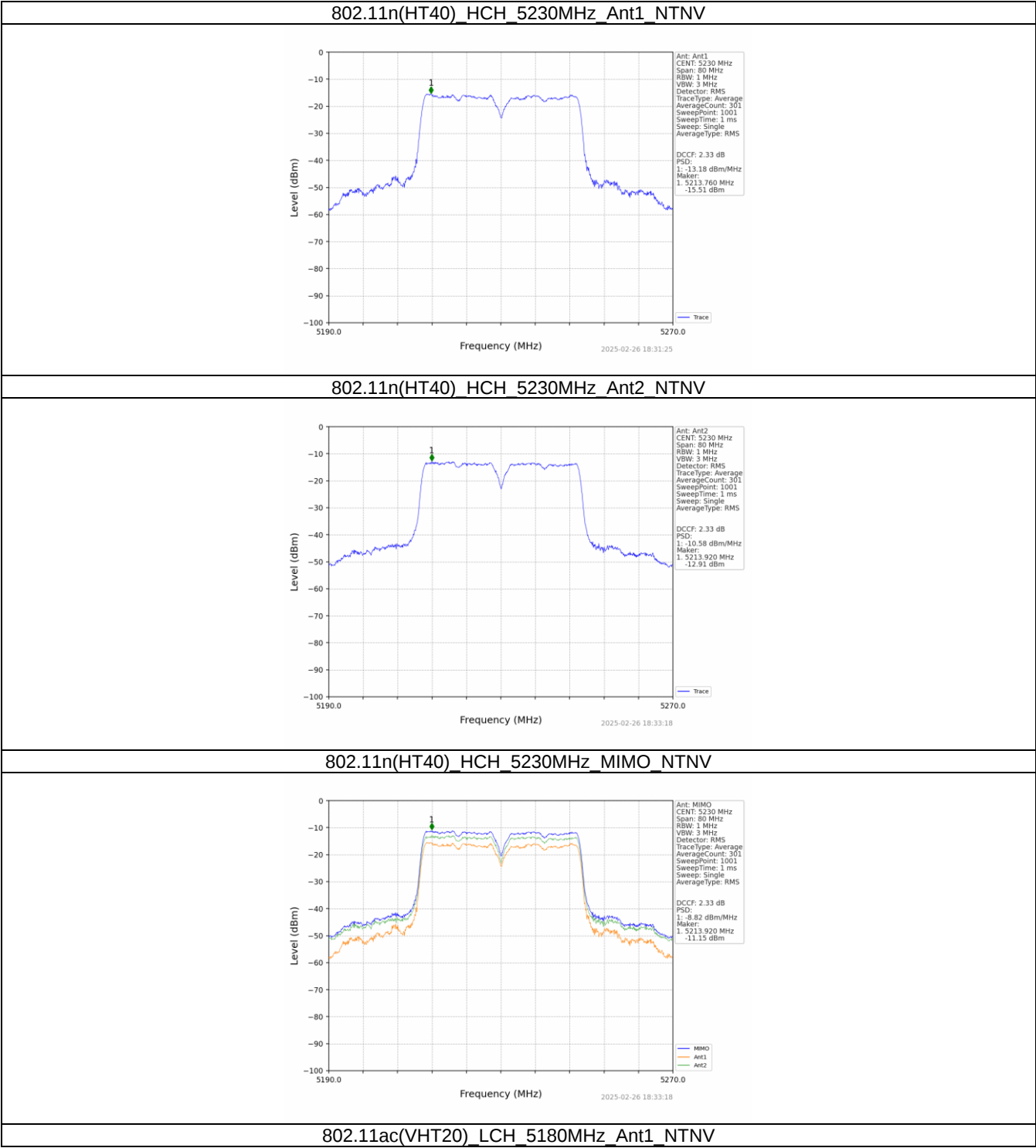


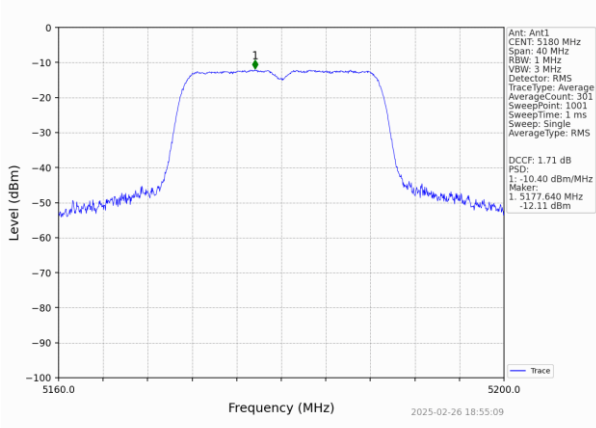




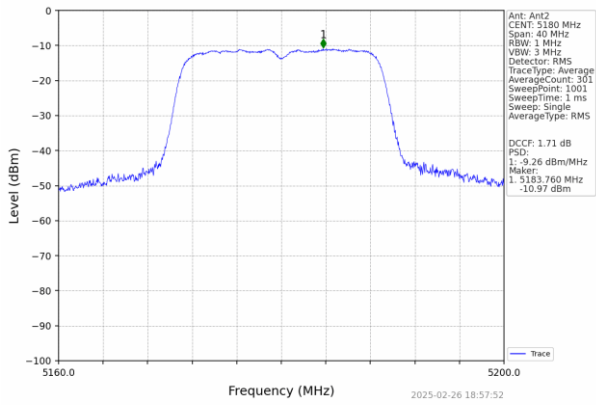




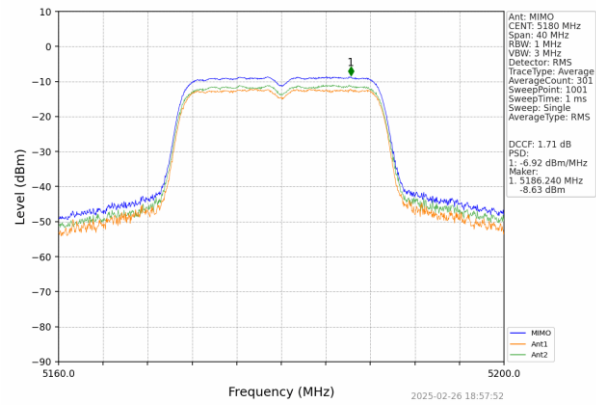


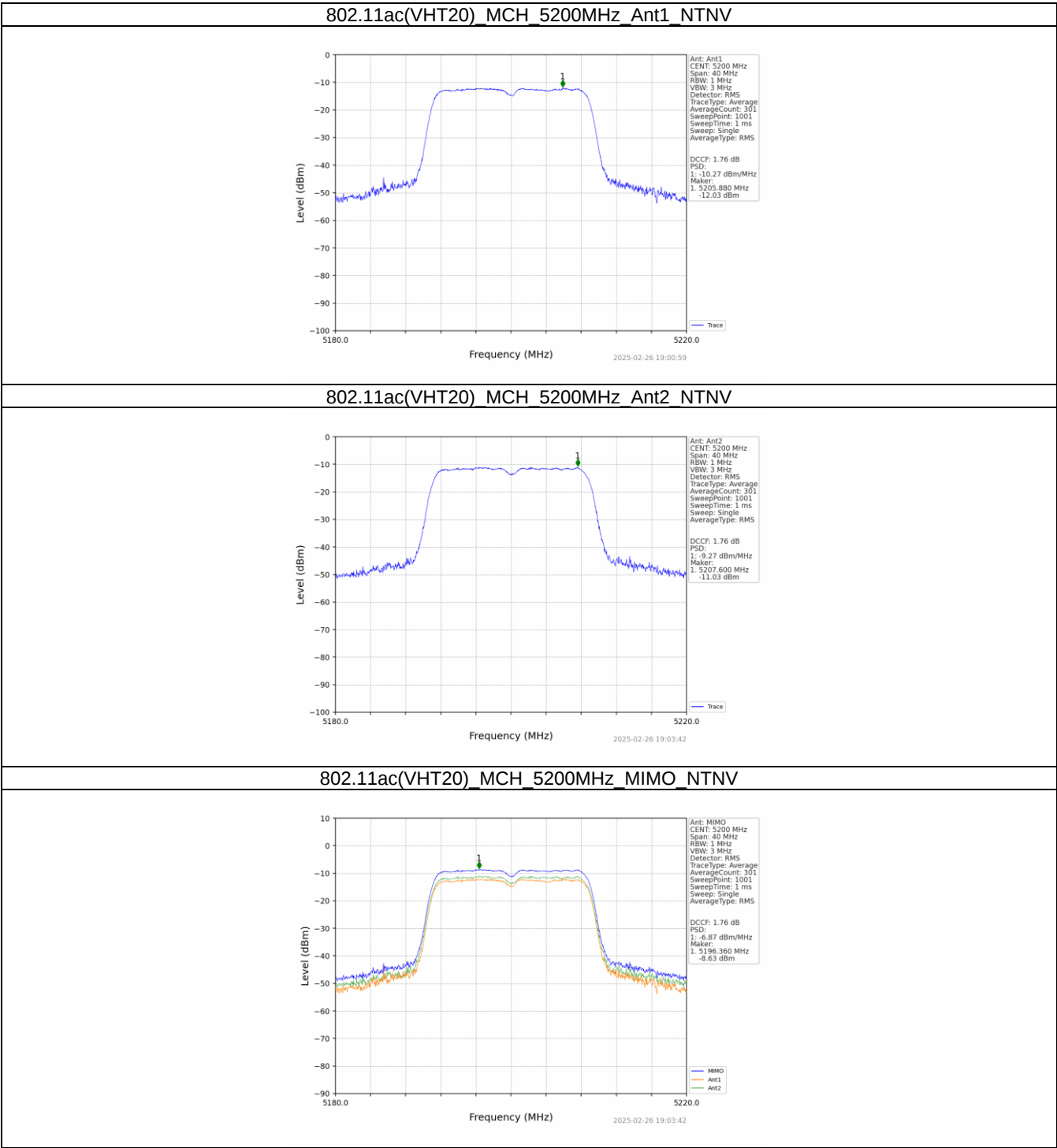


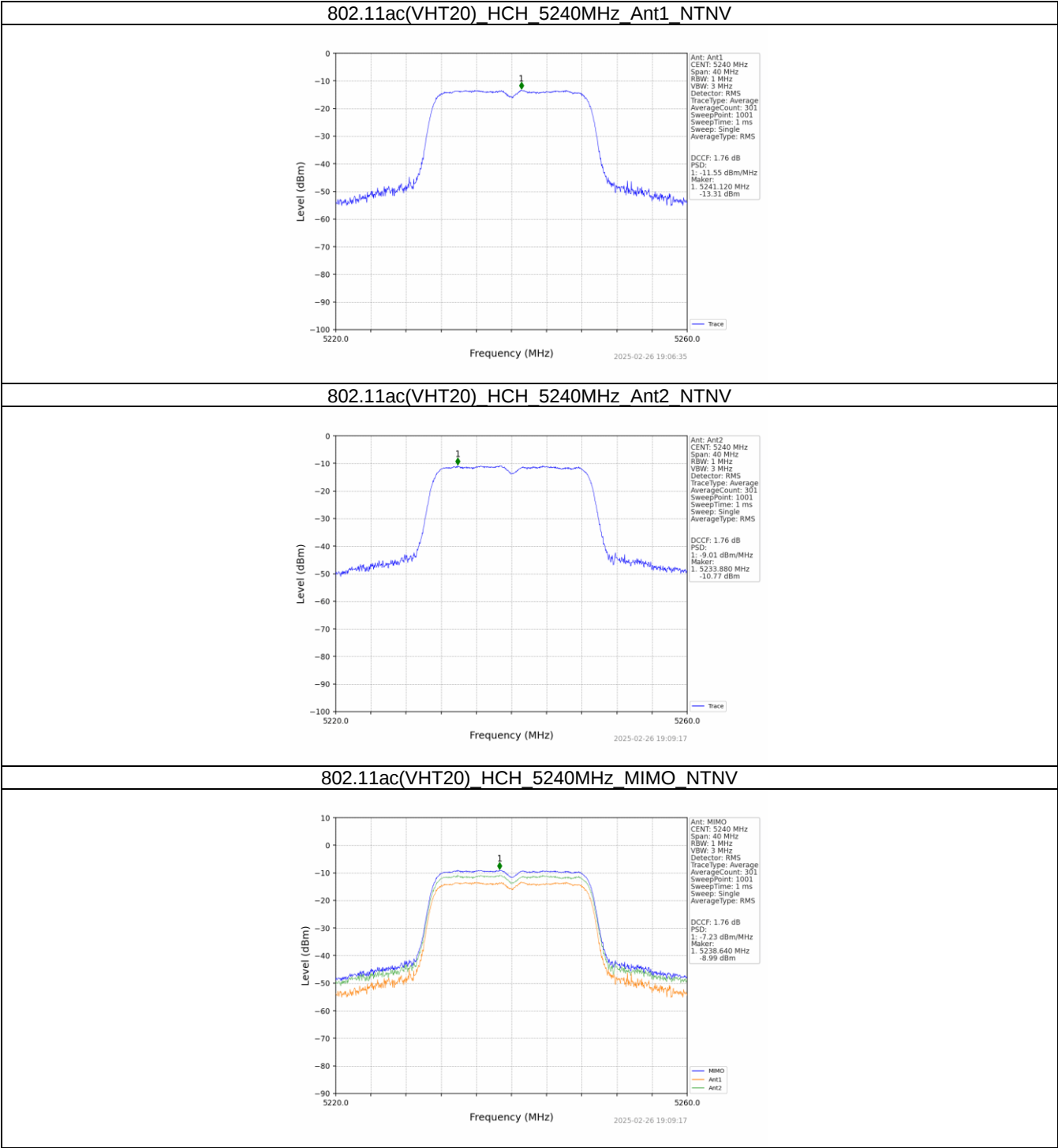
802.11ac(VHT20)\_LCH\_5180MHz\_Ant2\_NTNV

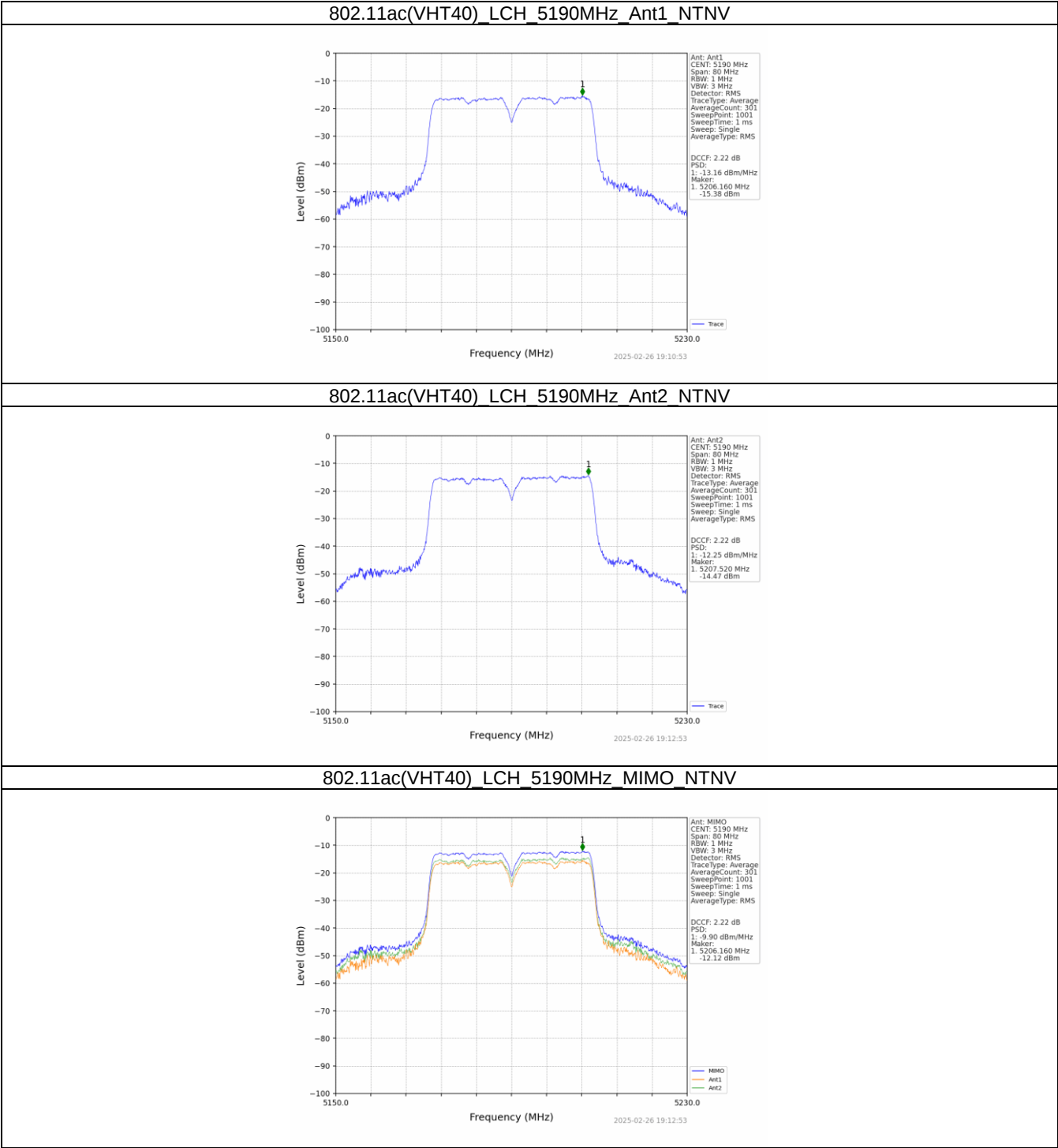


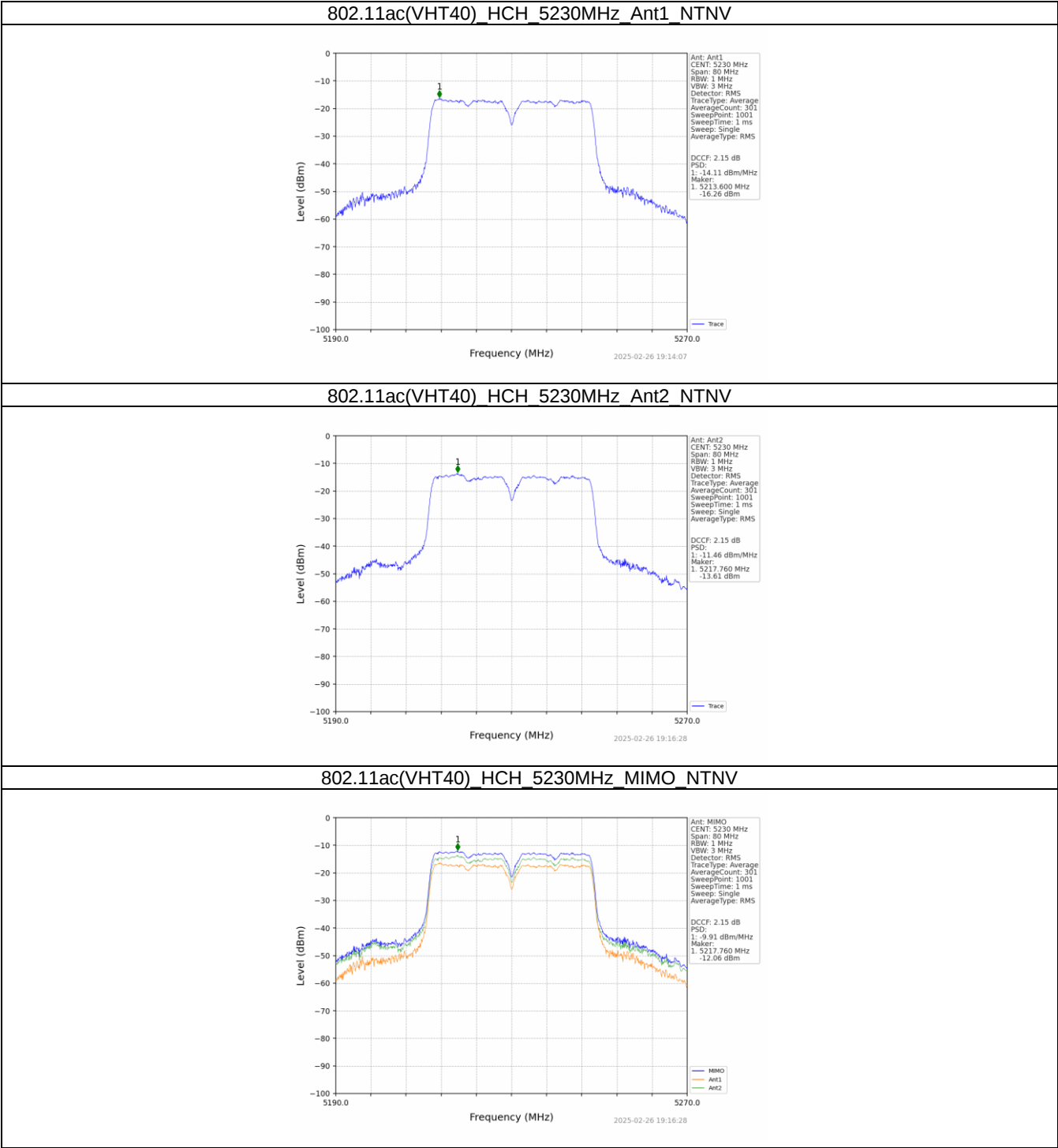
802.11ac(VHT20)\_LCH\_5180MHz\_MIMO\_NTNV

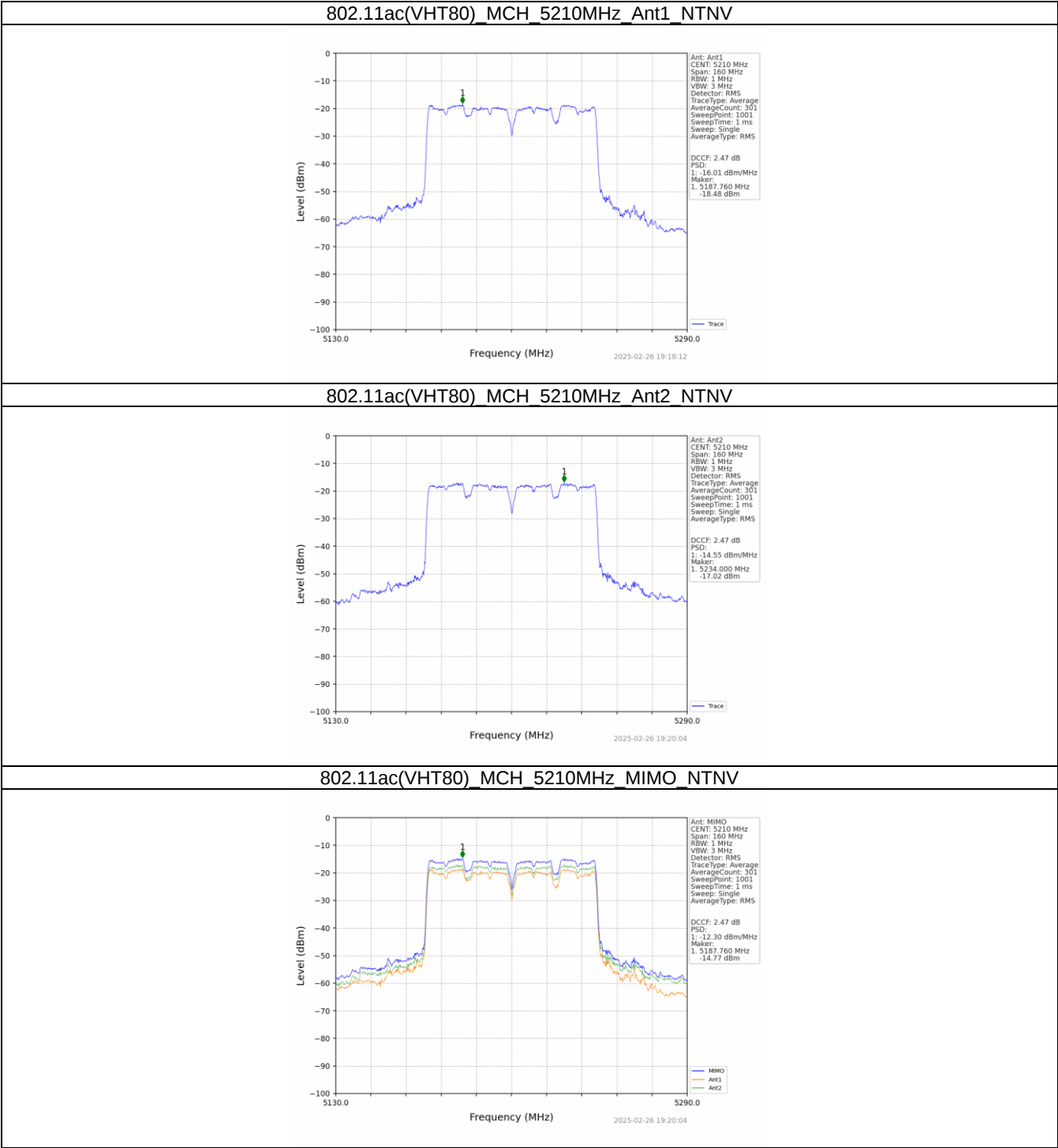


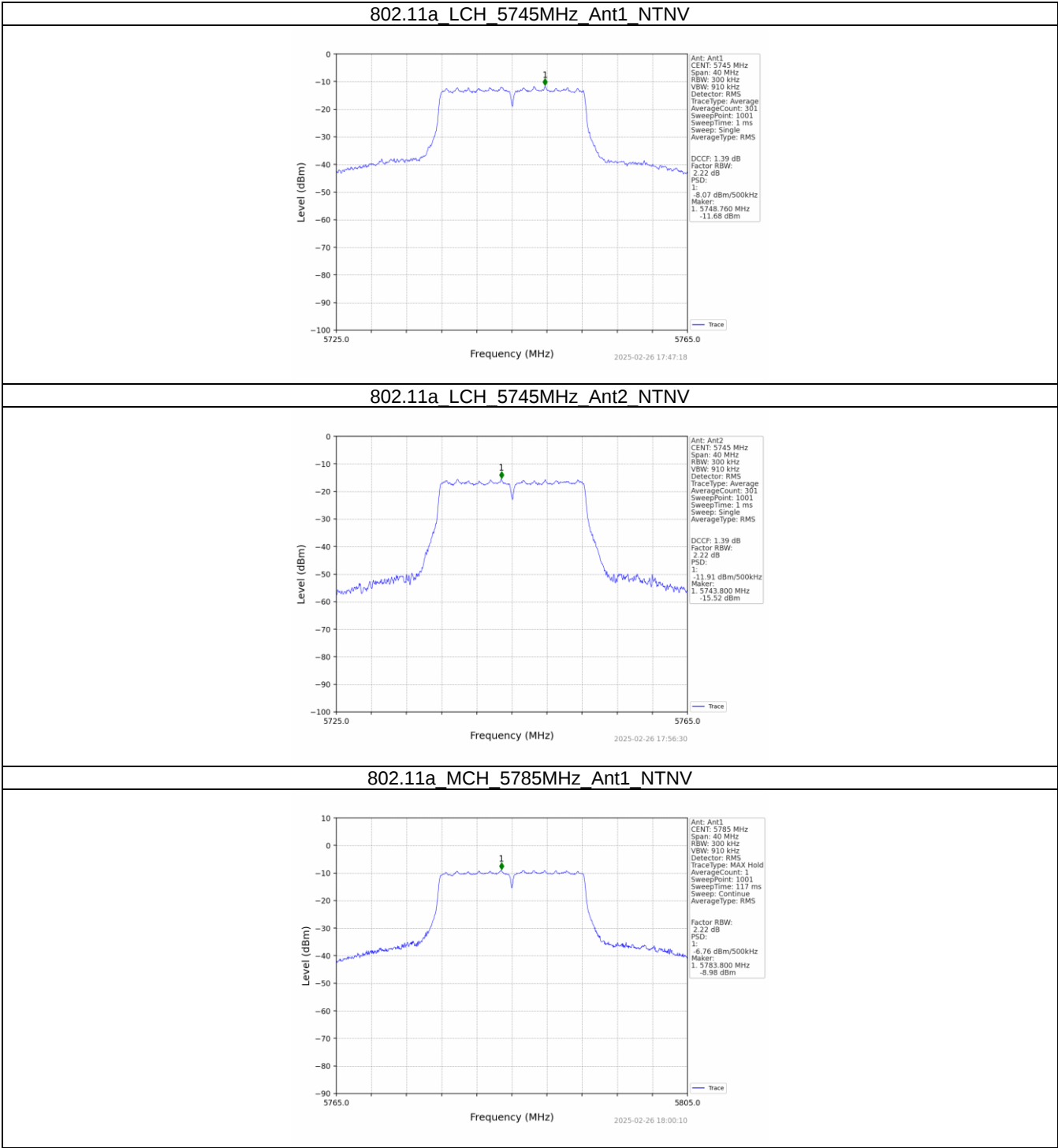


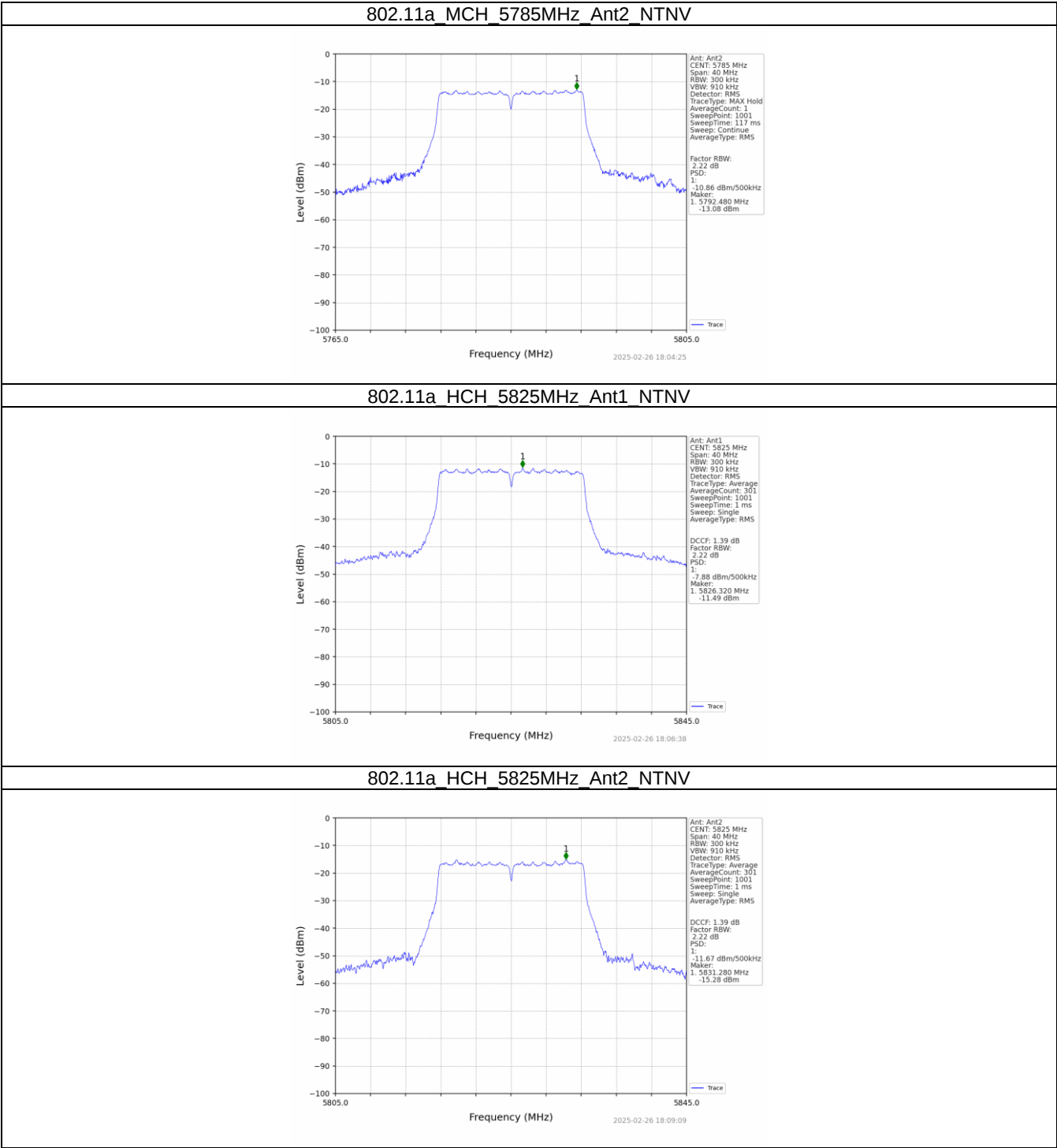


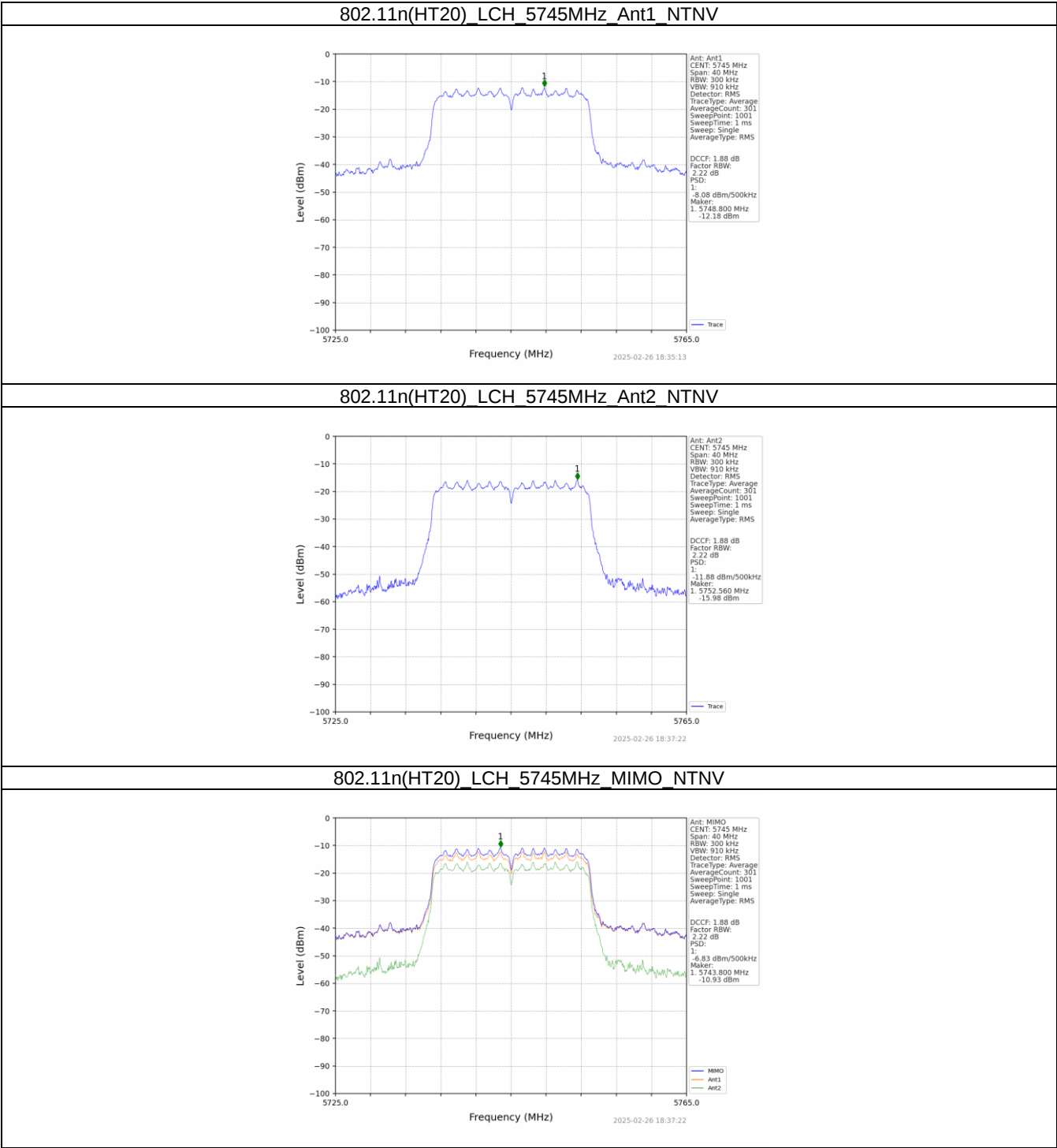


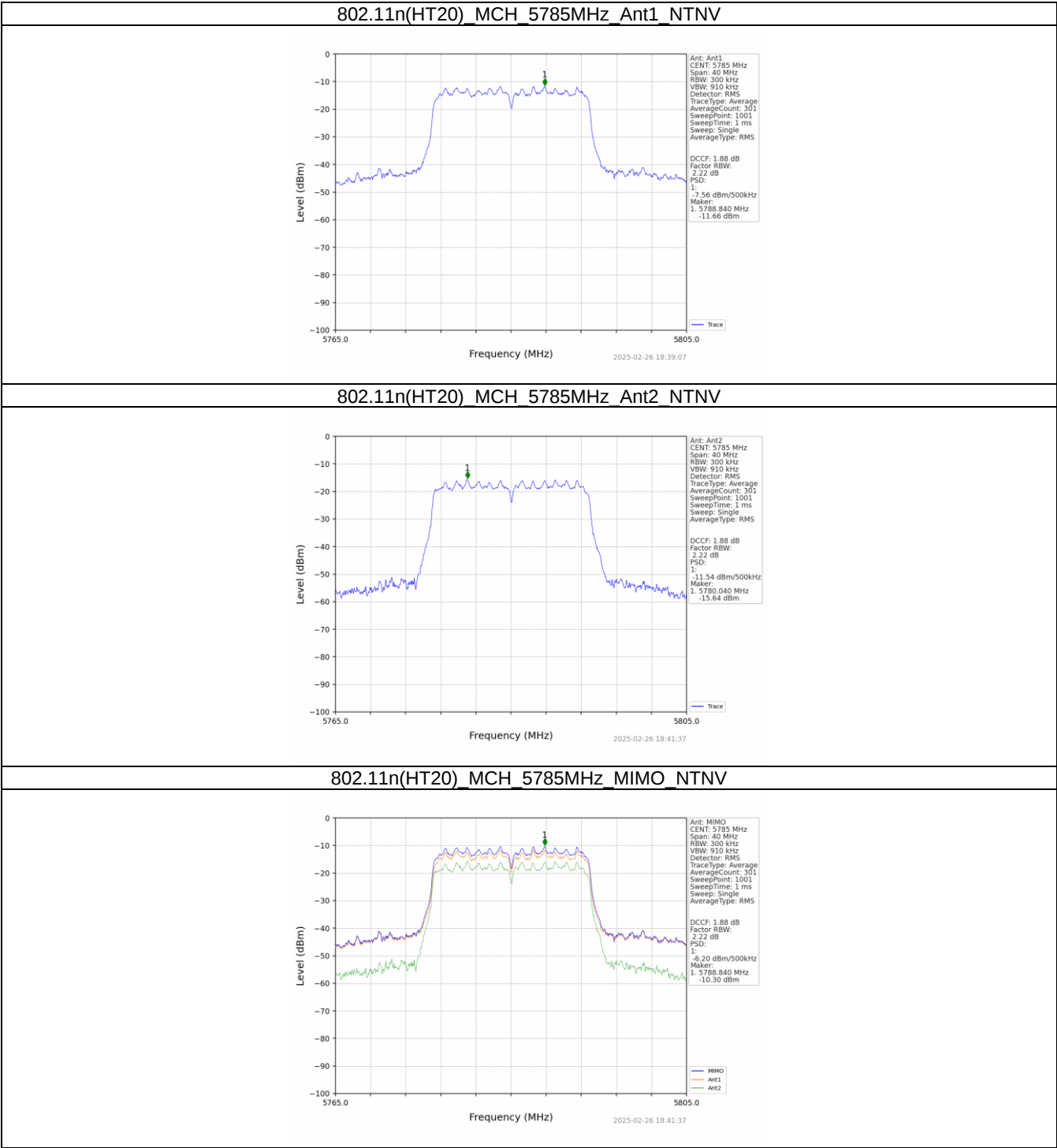


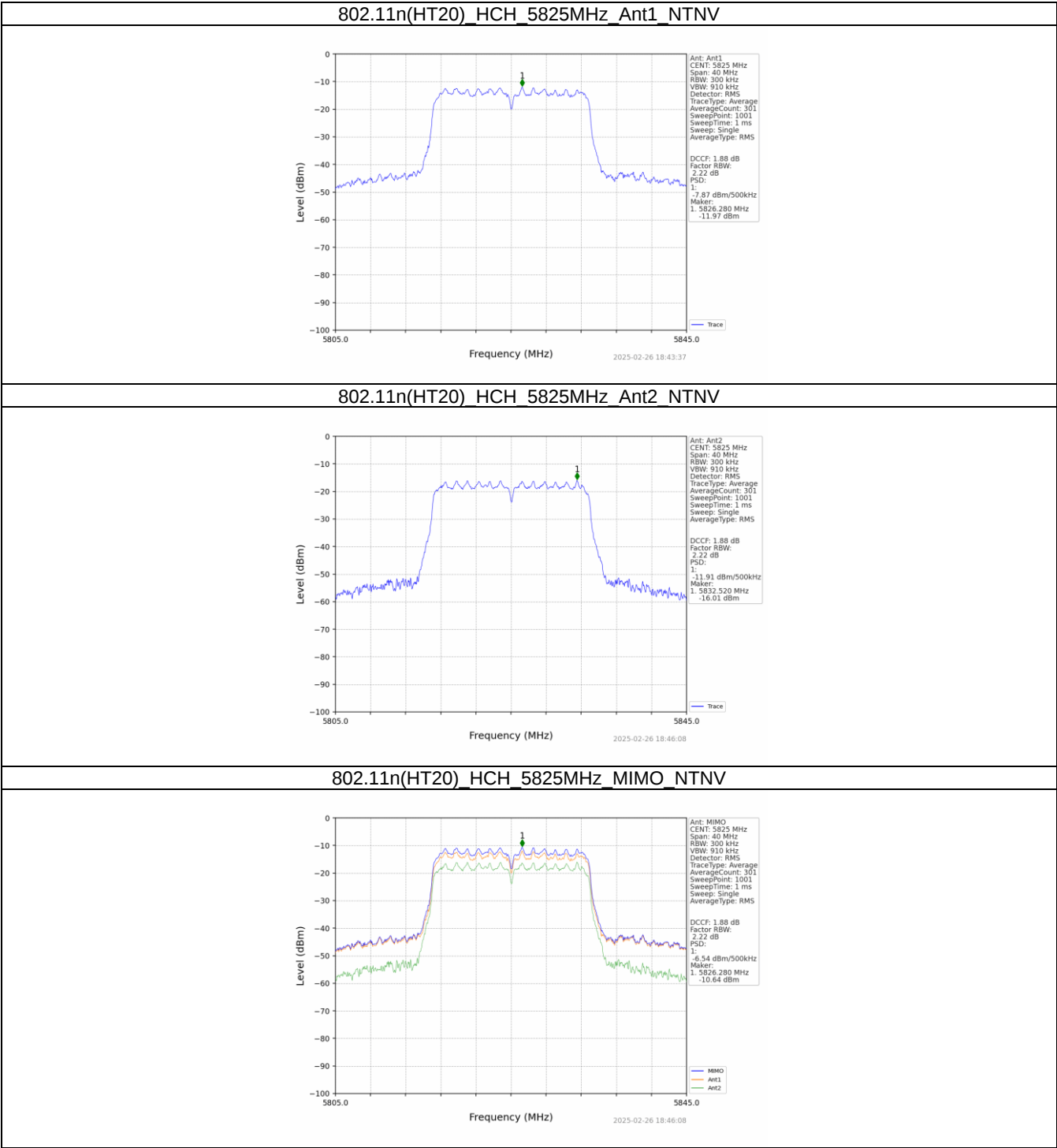


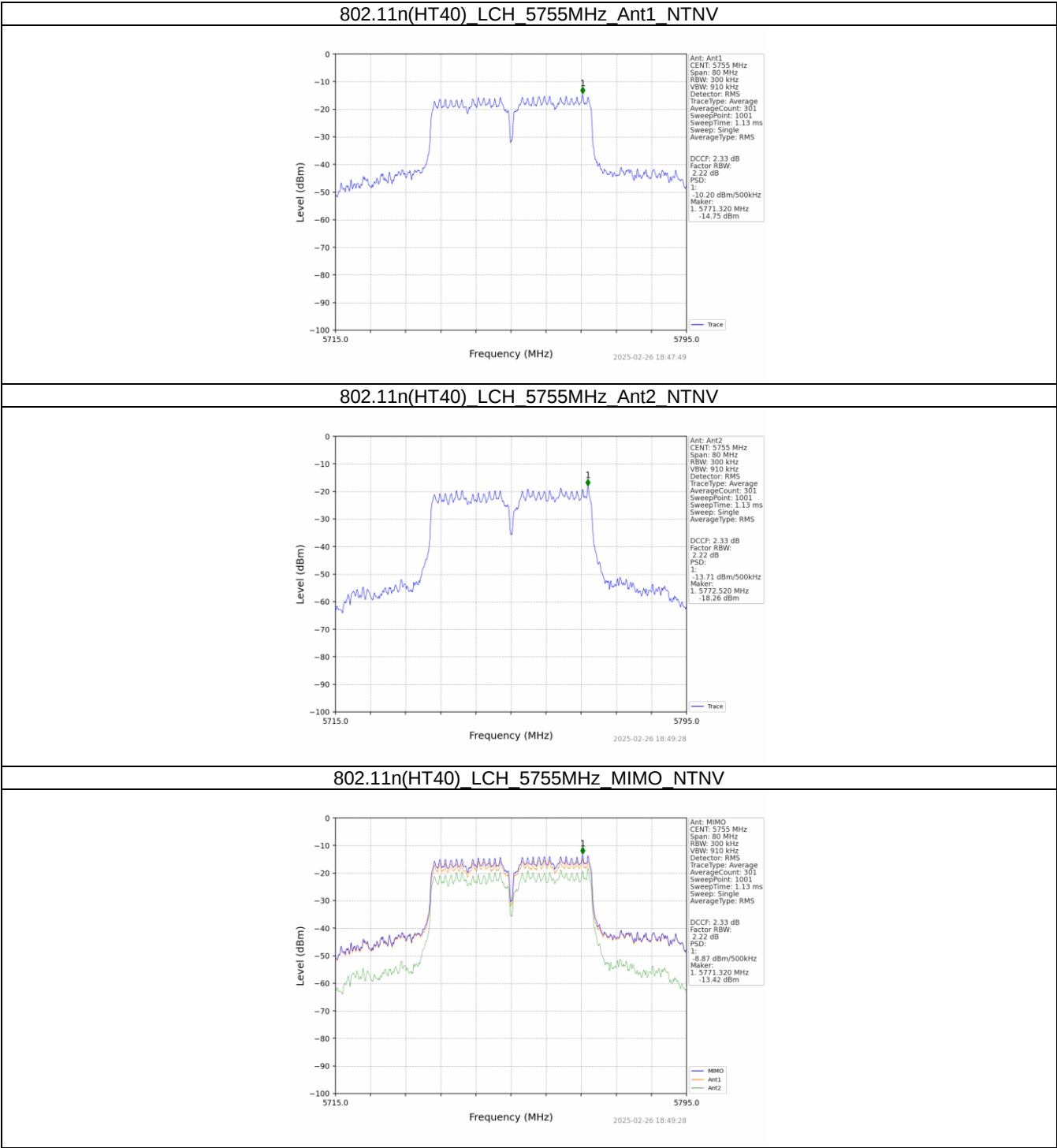


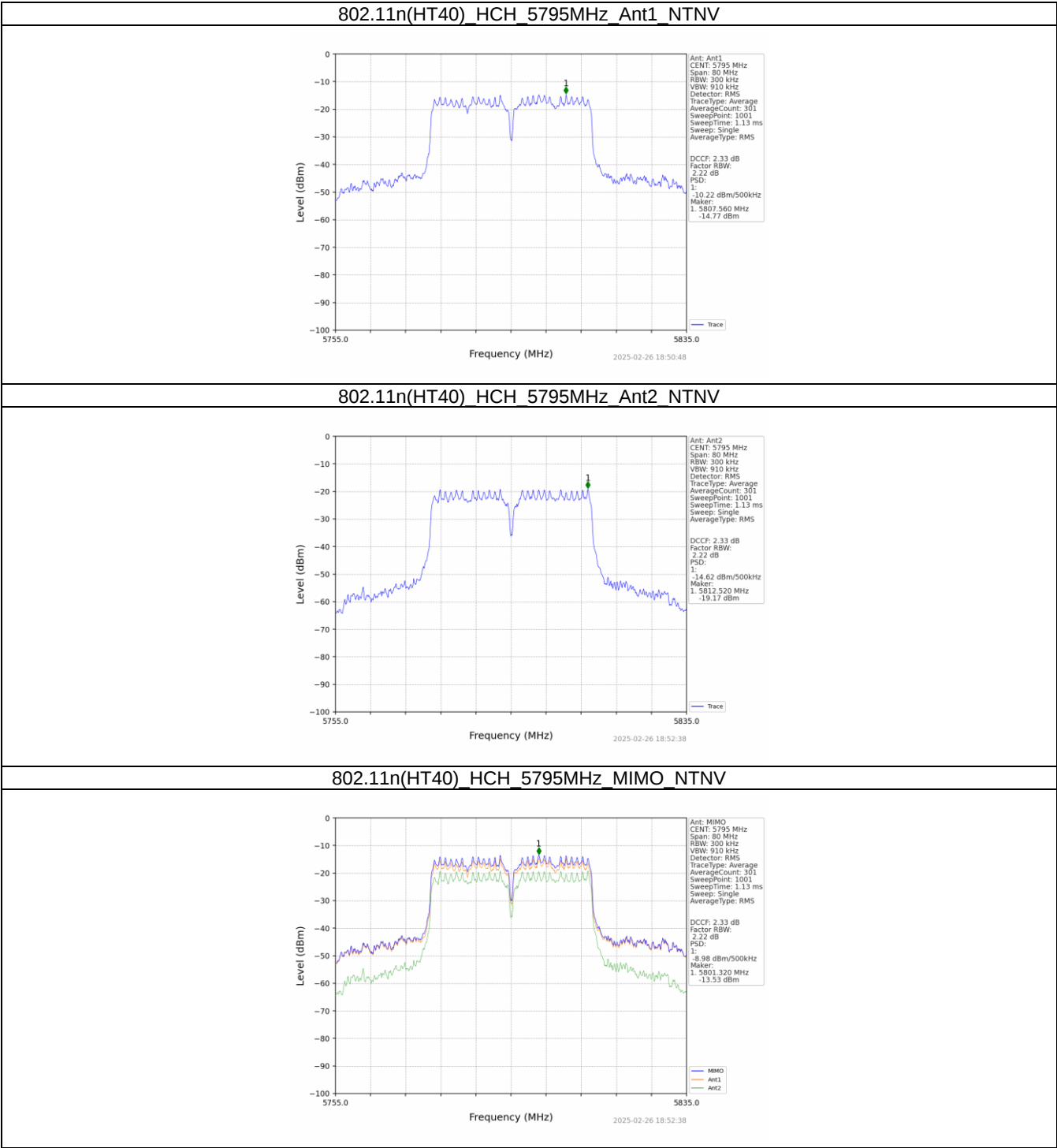


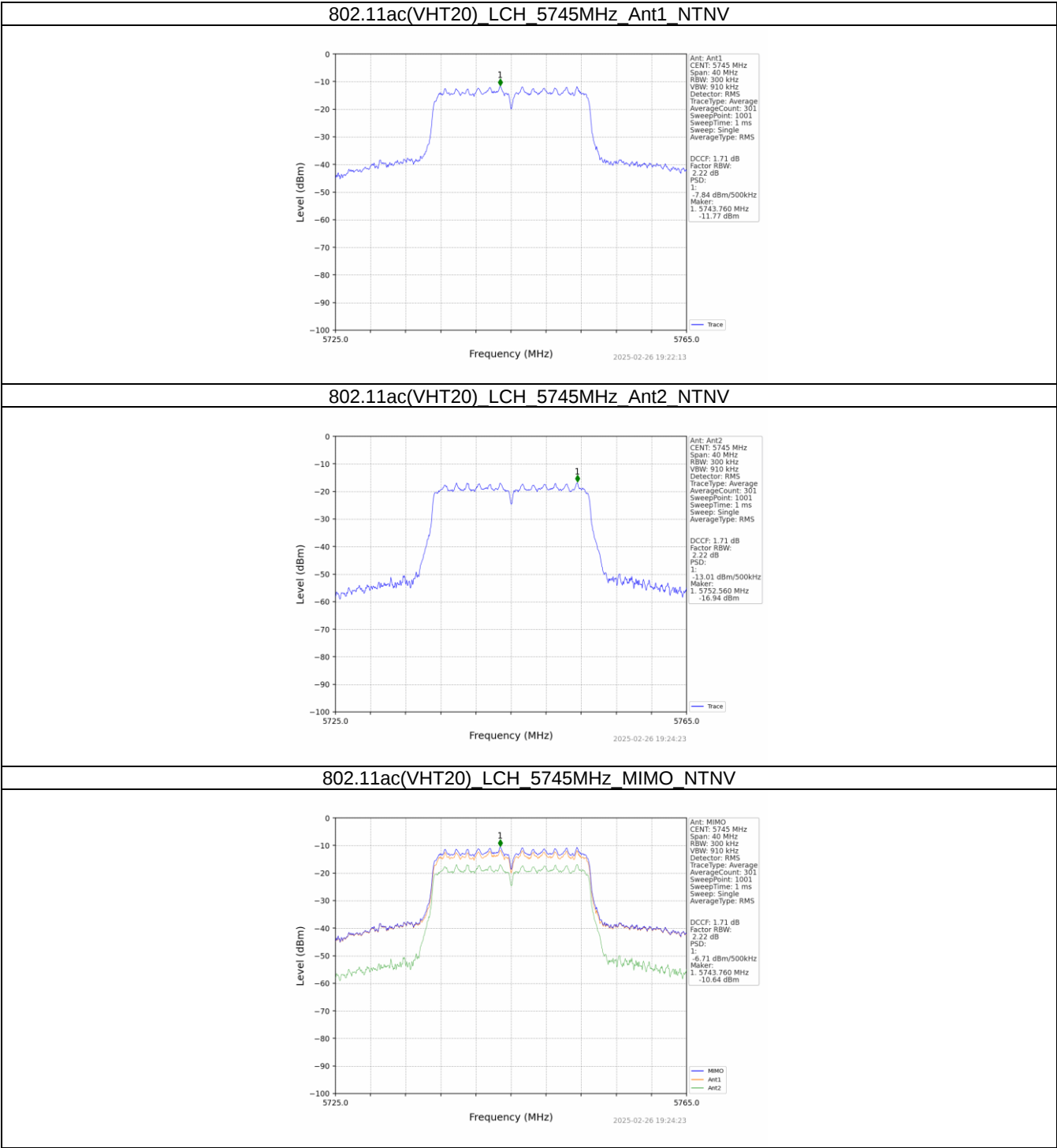


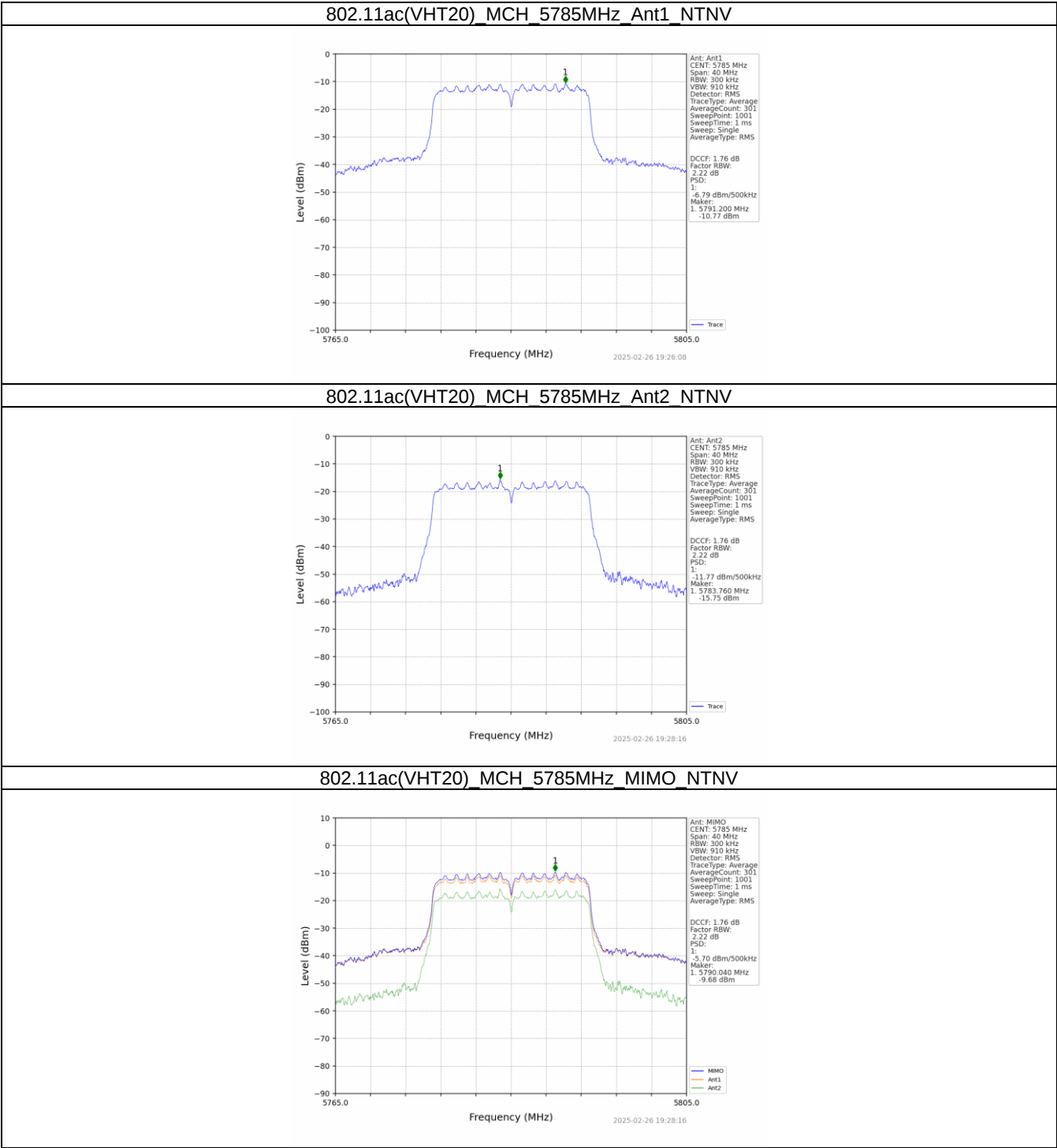


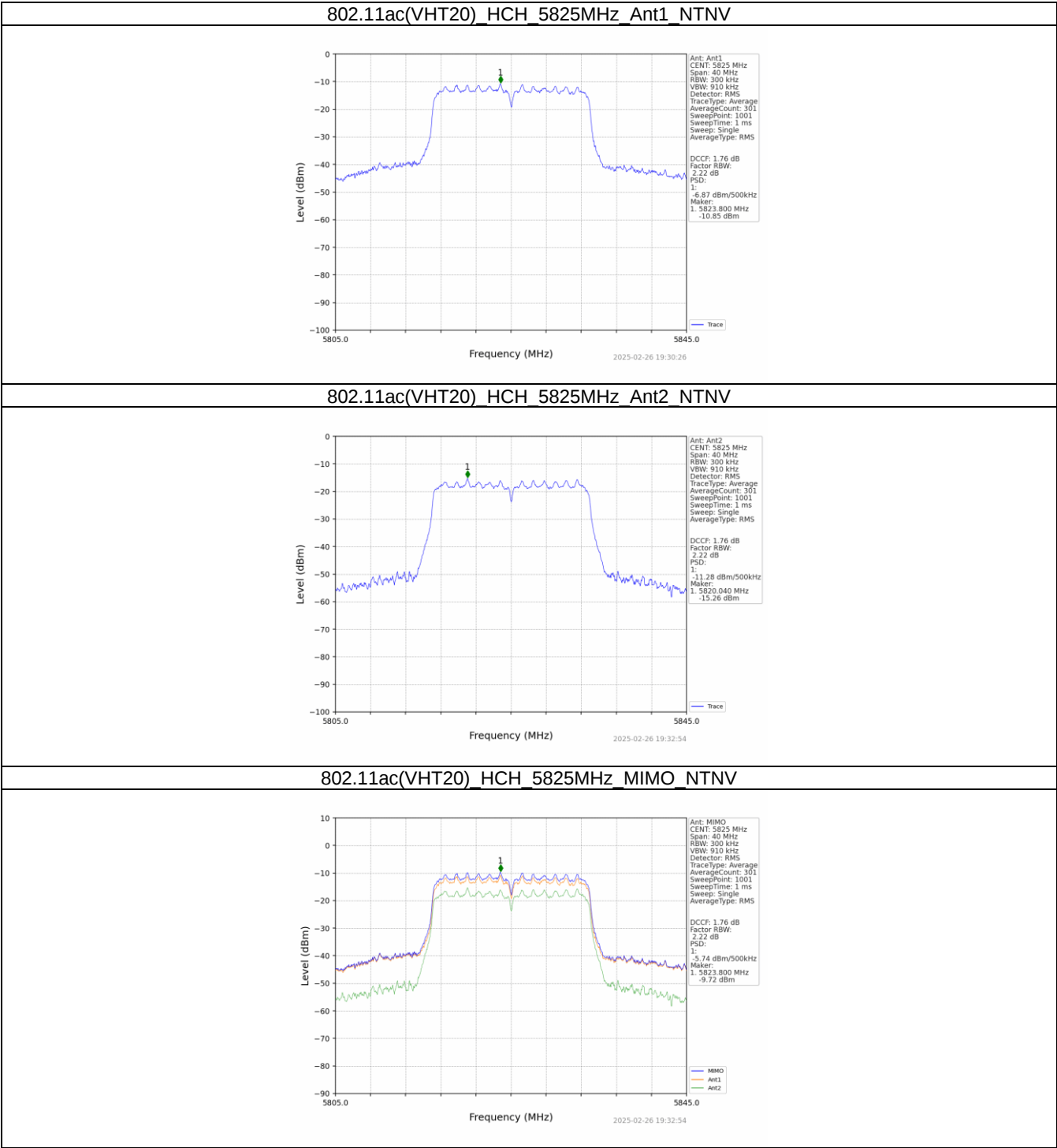


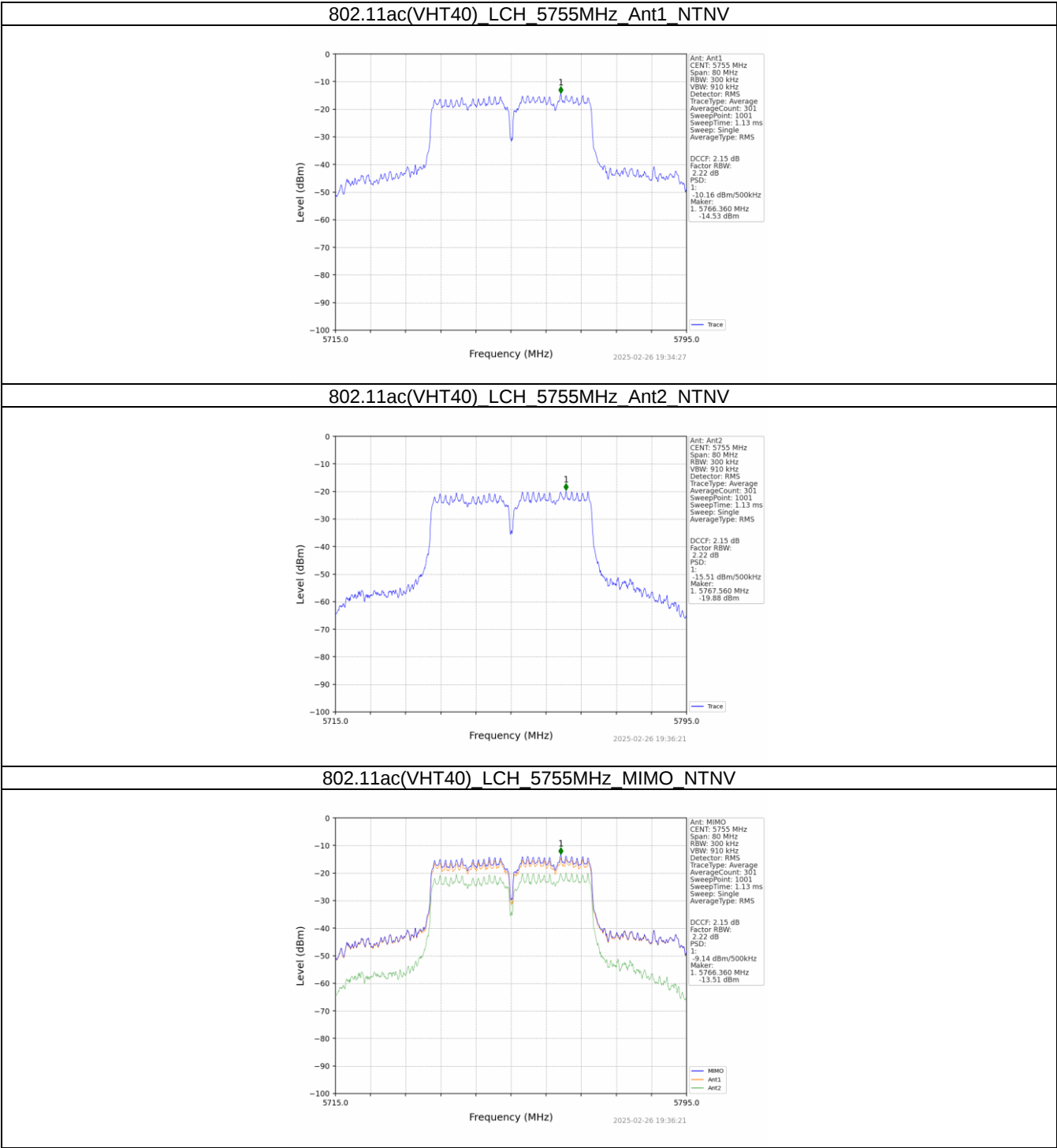


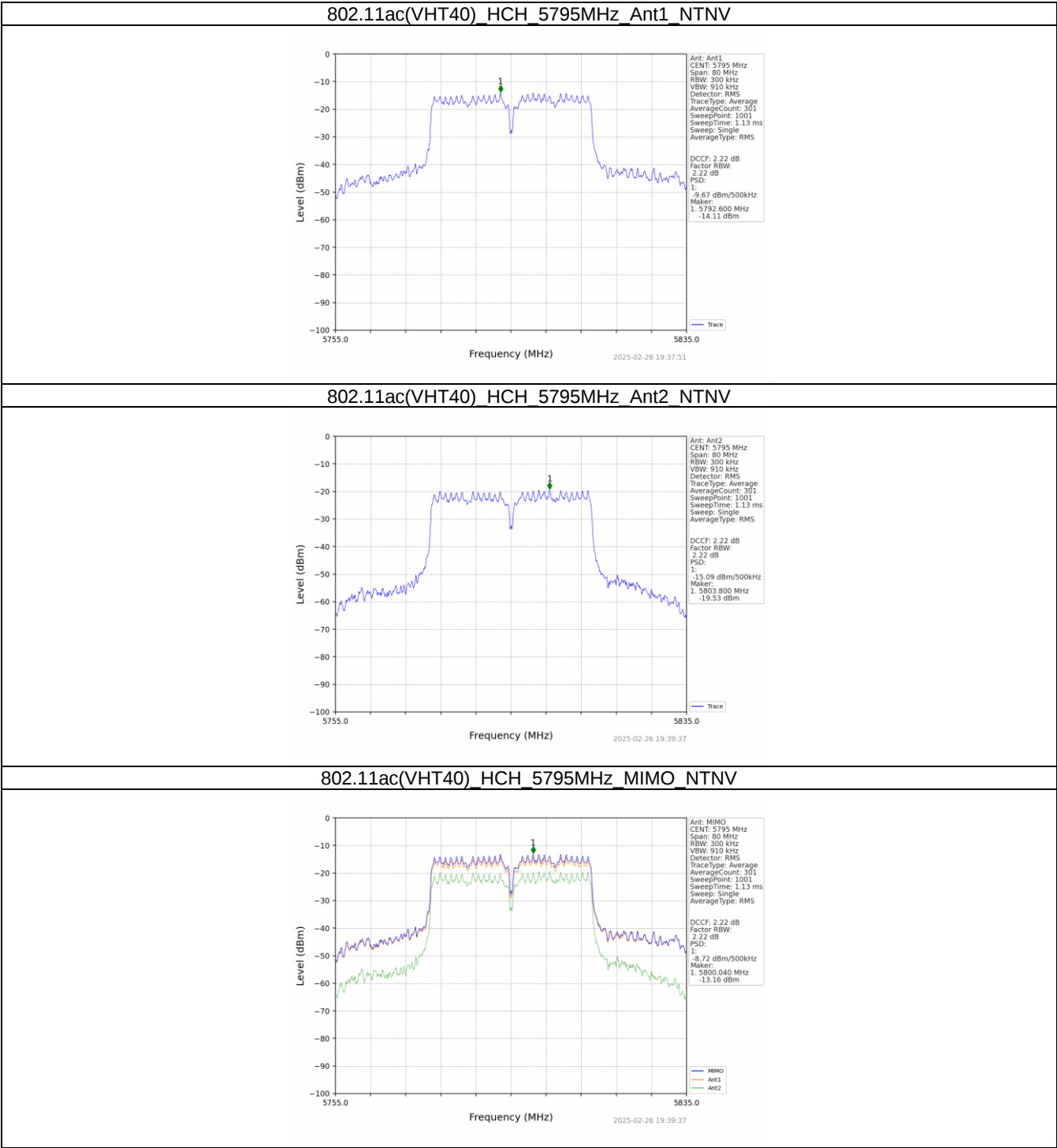


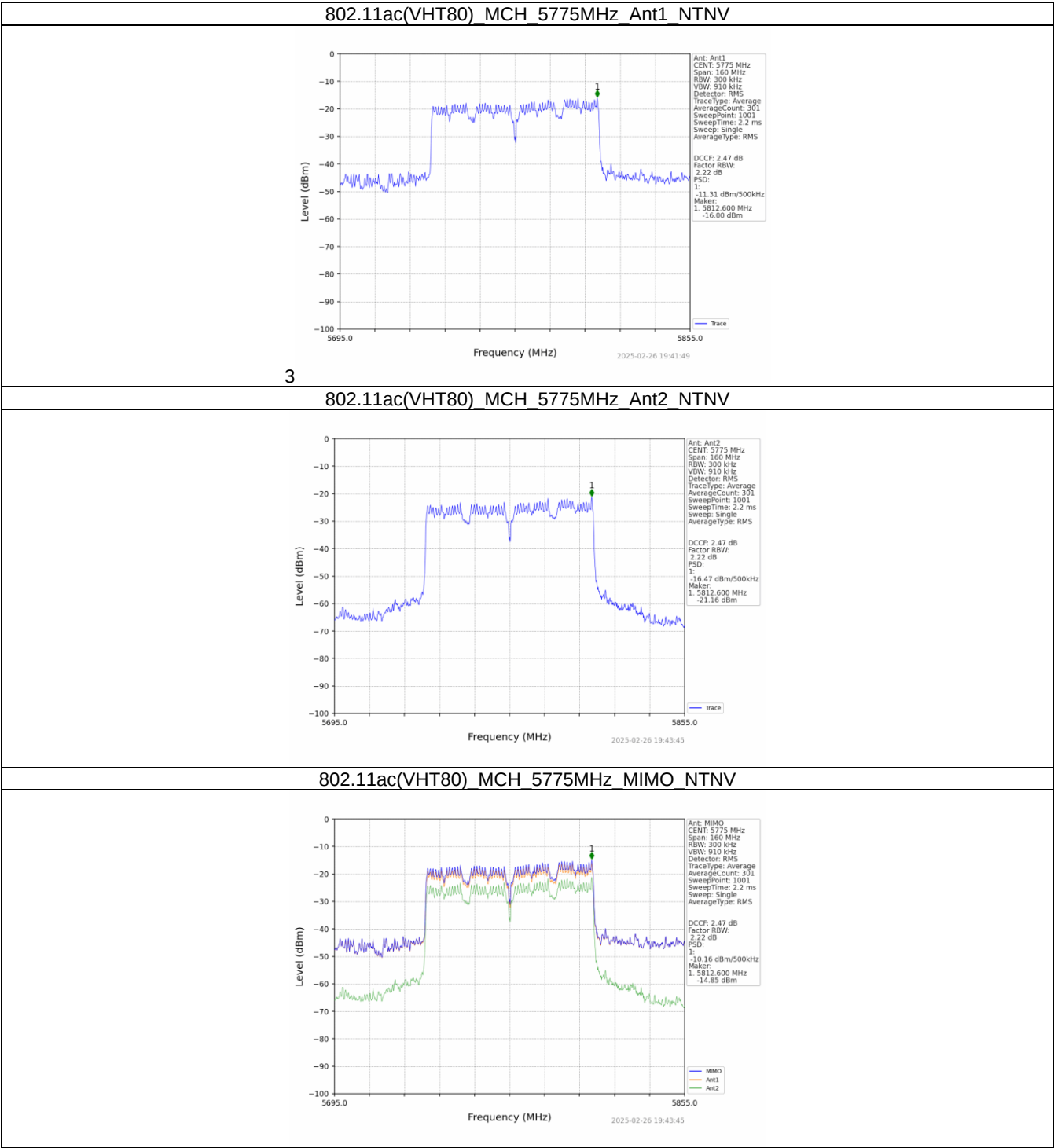












## 4.5 Emission Bandwidth (26dB Bandwidth)

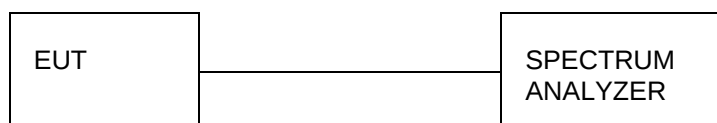
### Limit

N/A

### Test Procedure

1. Set resolution bandwidth (RBW) = approximately 1 % of the EBW.
2. Set the video bandwidth (VBW) > RBW.
3. Detector = Peak.
4. Trace mode = Max hold.
5. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW / EBW ratio is approximately 1 %.

### Test Configuration



### Test Results

Module 1:

| Mode             | TX Type | Frequency (MHz) | ANT | 26dB Bandwidth (MHz) |       | Verdict |
|------------------|---------|-----------------|-----|----------------------|-------|---------|
|                  |         |                 |     | Result               | Limit |         |
| 802.11a          | SISO    | 5180            | 1   | 24.874               | /     | Pass    |
|                  |         |                 | 2   | 27.884               | /     | Pass    |
|                  |         | 5200            | 1   | 26.178               | /     | Pass    |
|                  |         |                 | 2   | 26.118               | /     | Pass    |
|                  |         | 5240            | 1   | 23.765               | /     | Pass    |
|                  |         |                 | 2   | 27.529               | /     | Pass    |
| 802.11n (HT20)   | MIMO    | 5180            | 1   | 24.547               | /     | Pass    |
|                  |         |                 | 2   | 24.973               | /     | Pass    |
|                  |         | 5200            | 1   | 27.019               | /     | Pass    |
|                  |         |                 | 2   | 29.533               | /     | Pass    |
|                  |         | 5240            | 1   | 27.030               | /     | Pass    |
|                  |         |                 | 2   | 29.359               | /     | Pass    |
| 802.11n (HT40)   | MIMO    | 5190            | 1   | 48.682               | /     | Pass    |
|                  |         |                 | 2   | 40.341               | /     | Pass    |
|                  |         | 5230            | 1   | 48.783               | /     | Pass    |
|                  |         |                 | 2   | 42.823               | /     | Pass    |
| 802.11ac (VHT20) | MIMO    | 5180            | 1   | 30.378               | /     | Pass    |
|                  |         |                 | 2   | 25.974               | /     | Pass    |
|                  |         | 5200            | 1   | 27.949               | /     | Pass    |
|                  |         |                 | 2   | 26.014               | /     | Pass    |
|                  |         | 5240            | 1   | 28.437               | /     | Pass    |
|                  |         |                 | 2   | 28.097               | /     | Pass    |
| 802.11ac (VHT40) | MIMO    | 5190            | 1   | 49.394               | /     | Pass    |
|                  |         |                 | 2   | 46.920               | /     | Pass    |
|                  |         | 5230            | 1   | 45.376               | /     | Pass    |
|                  |         |                 | 2   | 45.272               | /     | Pass    |
| 802.11ac (VHT80) | MIMO    | 5210            | 1   | 86.213               | /     | Pass    |
|                  |         |                 | 2   | 84.728               | /     | Pass    |

## Module 2:

| Mode             | TX Type | Frequency (MHz) | ANT | 26dB Bandwidth (MHz) |       | Verdict |
|------------------|---------|-----------------|-----|----------------------|-------|---------|
|                  |         |                 |     | Result               | Limit |         |
| 802.11a          | SISO    | 5180            | 1   | 25.211               | /     | Pass    |
|                  |         |                 | 2   | 23.721               | /     | Pass    |
|                  |         | 5200            | 1   | 24.402               | /     | Pass    |
|                  |         |                 | 2   | 24.979               | /     | Pass    |
|                  |         | 5240            | 1   | 25.714               | /     | Pass    |
|                  |         |                 | 2   | 27.950               | /     | Pass    |
| 802.11n (HT20)   | MIMO    | 5180            | 1   | 24.262               | /     | Pass    |
|                  |         |                 | 2   | 27.727               | /     | Pass    |
|                  |         | 5200            | 1   | 27.413               | /     | Pass    |
|                  |         |                 | 2   | 28.614               | /     | Pass    |
|                  |         | 5240            | 1   | 25.356               | /     | Pass    |
|                  |         |                 | 2   | 26.130               | /     | Pass    |
| 802.11n (HT40)   | MIMO    | 5190            | 1   | 46.934               | /     | Pass    |
|                  |         |                 | 2   | 40.703               | /     | Pass    |
|                  |         | 5230            | 1   | 40.664               | /     | Pass    |
|                  |         |                 | 2   | 50.235               | /     | Pass    |
| 802.11ac (VHT20) | MIMO    | 5180            | 1   | 28.930               | /     | Pass    |
|                  |         |                 | 2   | 25.456               | /     | Pass    |
|                  |         | 5200            | 1   | 29.361               | /     | Pass    |
|                  |         |                 | 2   | 25.902               | /     | Pass    |
|                  |         | 5240            | 1   | 29.140               | /     | Pass    |
|                  |         |                 | 2   | 25.846               | /     | Pass    |
| 802.11ac (VHT40) | MIMO    | 5190            | 1   | 53.321               | /     | Pass    |
|                  |         |                 | 2   | 46.997               | /     | Pass    |
|                  |         | 5230            | 1   | 44.703               | /     | Pass    |
|                  |         |                 | 2   | 42.809               | /     | Pass    |
| 802.11ac (VHT80) | MIMO    | 5210            | 1   | 85.373               | /     | Pass    |
|                  |         |                 | 2   | 85.822               | /     | Pass    |

Test plot as follows:

Module 1:  
26dB Bandwidth

