

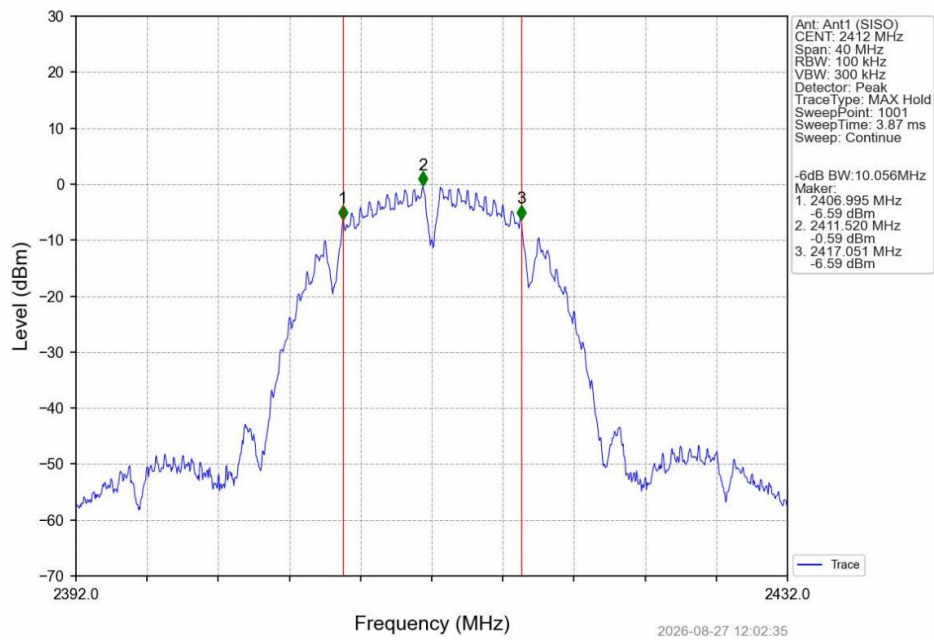
## Bandwidth

### Test Result

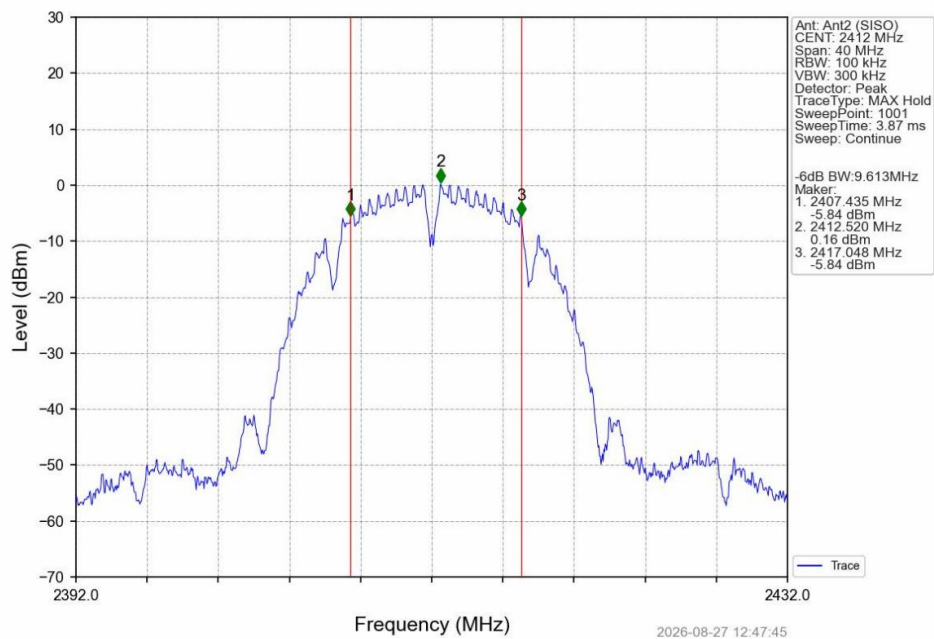
| Mode           | TX Type | Frequency (MHz) | ANT | 6dB Bandwidth (MHz) |            | Verdict |
|----------------|---------|-----------------|-----|---------------------|------------|---------|
|                |         |                 |     | Result              | Limit      |         |
| 802.11b        | SISO    | 2412            | 0   | 10.056              | $\geq 0.5$ | Pass    |
|                |         |                 | 1   | 9.613               | $\geq 0.5$ | Pass    |
|                |         |                 | 2   | 9.623               | $\geq 0.5$ | Pass    |
|                |         | 2437            | 0   | 9.628               | $\geq 0.5$ | Pass    |
|                |         |                 | 1   | 10.059              | $\geq 0.5$ | Pass    |
|                |         |                 | 2   | 10.040              | $\geq 0.5$ | Pass    |
|                |         | 2462            | 0   | 10.018              | $\geq 0.5$ | Pass    |
|                |         |                 | 1   | 9.595               | $\geq 0.5$ | Pass    |
|                |         |                 | 2   | 9.605               | $\geq 0.5$ | Pass    |
| 802.11g        | SISO    | 2412            | 0   | 16.391              | $\geq 0.5$ | Pass    |
|                |         |                 | 1   | 16.397              | $\geq 0.5$ | Pass    |
|                |         |                 | 2   | 16.393              | $\geq 0.5$ | Pass    |
|                |         | 2437            | 0   | 16.391              | $\geq 0.5$ | Pass    |
|                |         |                 | 1   | 16.394              | $\geq 0.5$ | Pass    |
|                |         |                 | 2   | 16.399              | $\geq 0.5$ | Pass    |
|                |         | 2462            | 0   | 16.400              | $\geq 0.5$ | Pass    |
|                |         |                 | 1   | 16.398              | $\geq 0.5$ | Pass    |
|                |         |                 | 2   | 16.404              | $\geq 0.5$ | Pass    |
| 802.11n (HT20) | SISO    | 2412            | 0   | 17.603              | $\geq 0.5$ | Pass    |
|                |         |                 | 1   | 17.595              | $\geq 0.5$ | Pass    |
|                |         |                 | 2   | 17.624              | $\geq 0.5$ | Pass    |
|                |         | 2437            | 0   | 17.605              | $\geq 0.5$ | Pass    |
|                |         |                 | 1   | 17.601              | $\geq 0.5$ | Pass    |
|                |         |                 | 2   | 17.616              | $\geq 0.5$ | Pass    |
|                |         | 2462            | 0   | 17.611              | $\geq 0.5$ | Pass    |
|                |         |                 | 1   | 17.598              | $\geq 0.5$ | Pass    |
|                |         |                 | 2   | 17.608              | $\geq 0.5$ | Pass    |
| 802.11n (HT40) | SISO    | 2422            | 0   | 36.377              | $\geq 0.5$ | Pass    |
|                |         |                 | 1   | 36.373              | $\geq 0.5$ | Pass    |
|                |         |                 | 2   | 36.393              | $\geq 0.5$ | Pass    |
|                |         | 2437            | 0   | 36.393              | $\geq 0.5$ | Pass    |
|                |         |                 | 1   | 36.399              | $\geq 0.5$ | Pass    |
|                |         |                 | 2   | 36.399              | $\geq 0.5$ | Pass    |
|                |         | 2452            | 0   | 36.400              | $\geq 0.5$ | Pass    |
|                |         |                 | 1   | 36.408              | $\geq 0.5$ | Pass    |
|                |         |                 | 2   | 36.407              | $\geq 0.5$ | Pass    |

Test Graph

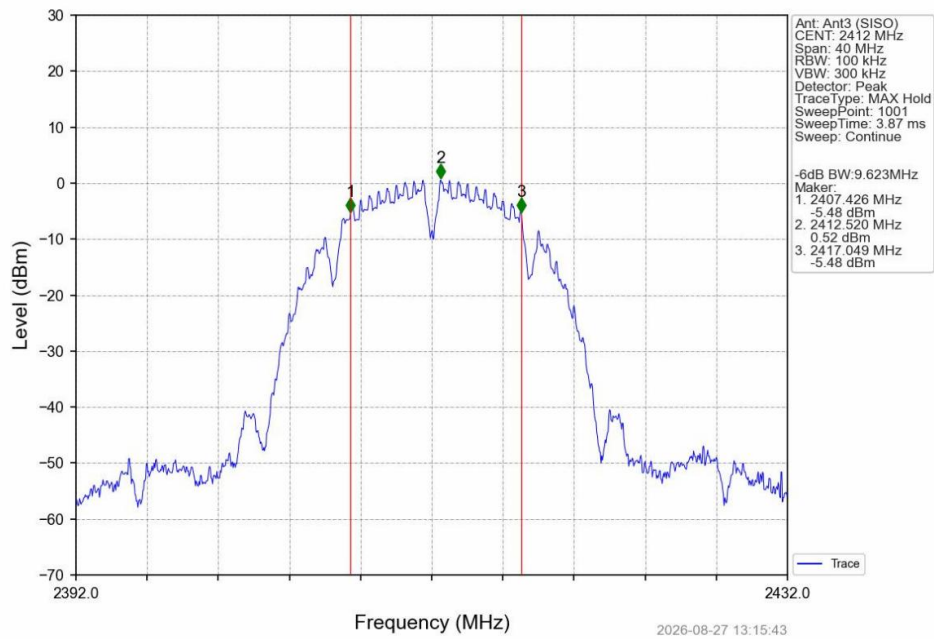
802.11b\_LCH\_2412MHz\_Ant0 (SISO)\_NTNV



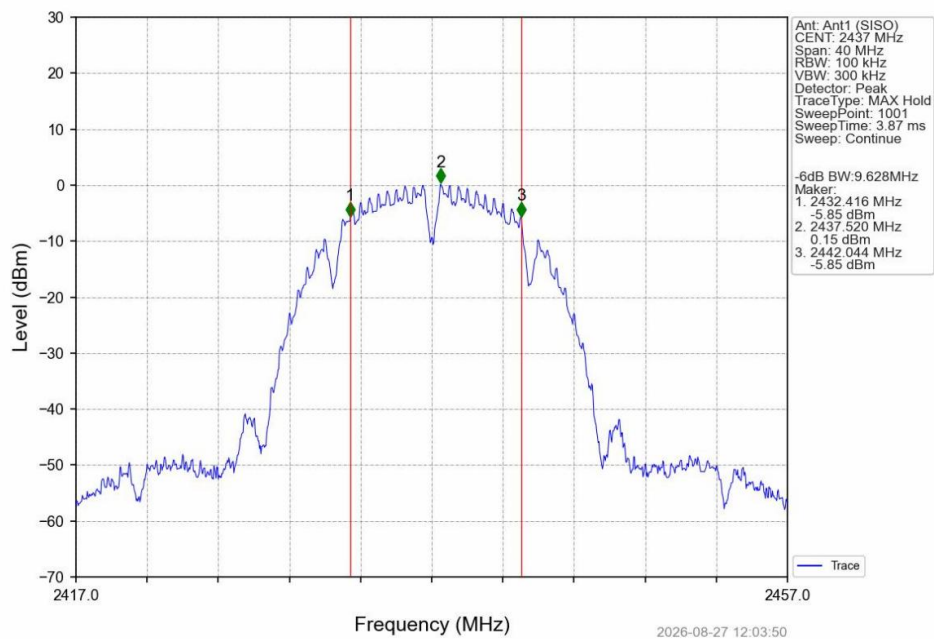
802.11b\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



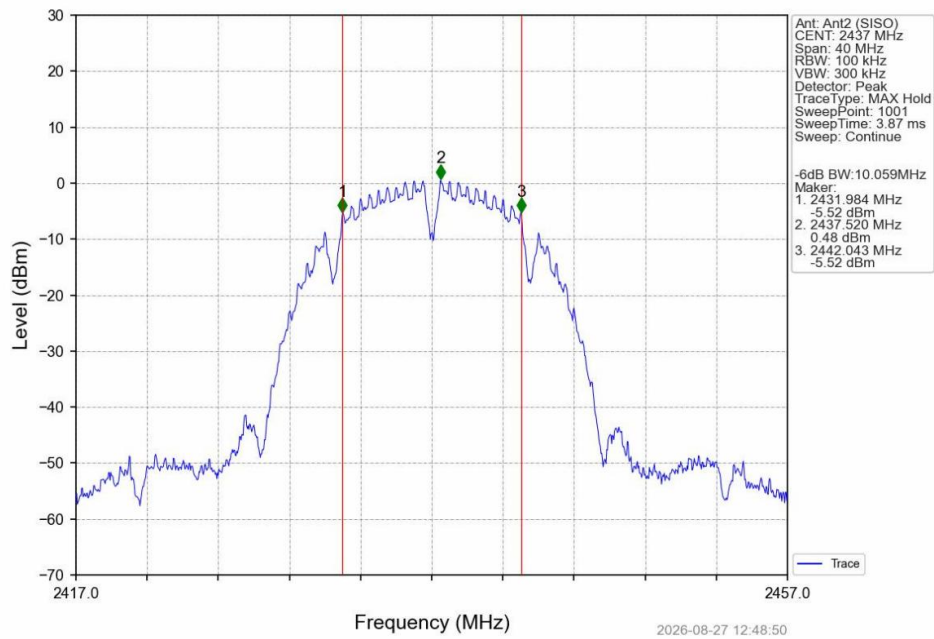
802.11b\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV



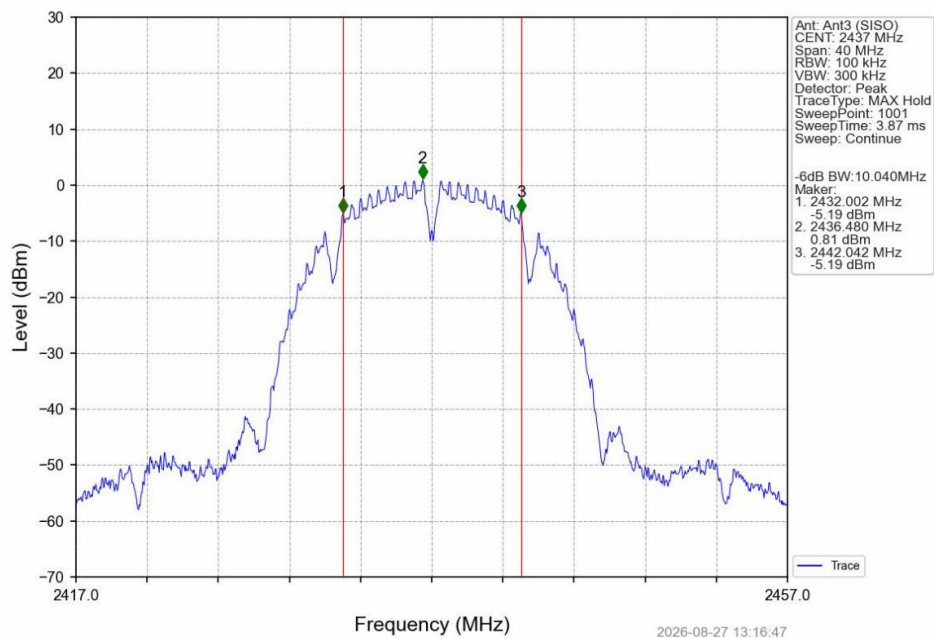
802.11b\_MCH\_2437MHz\_Ant0 (SISO)\_NTNV



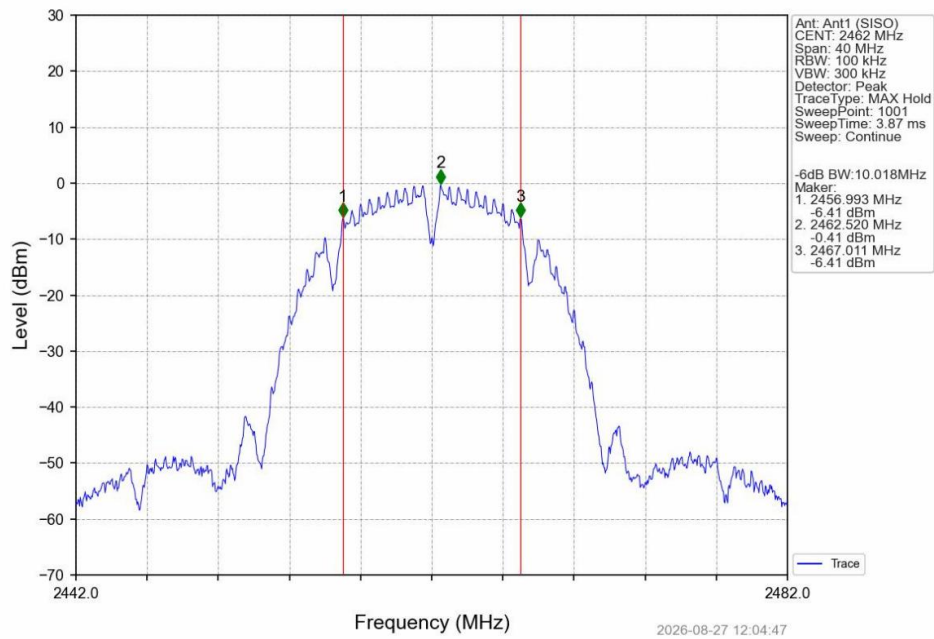
802.11b\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



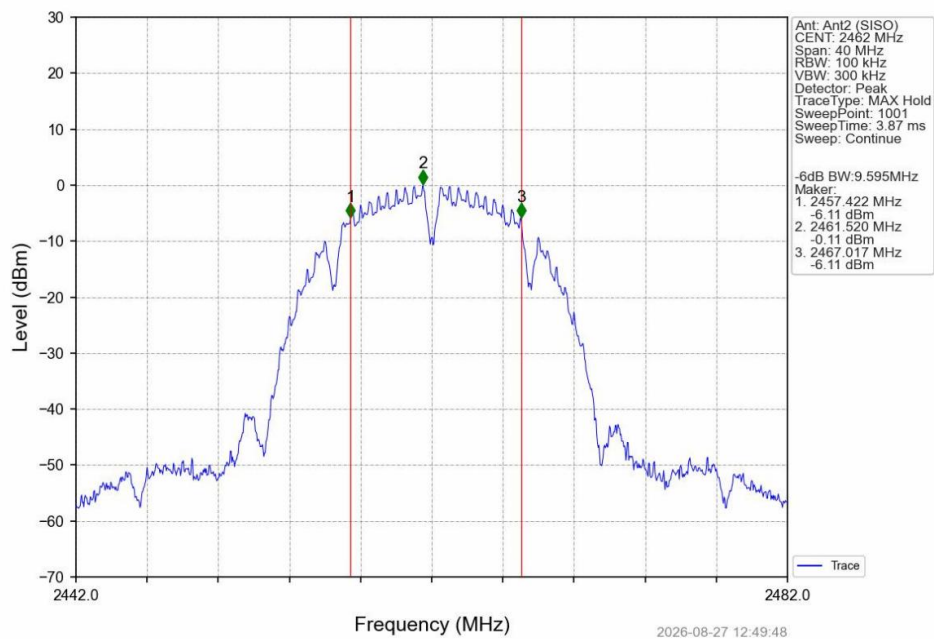
802.11b\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV



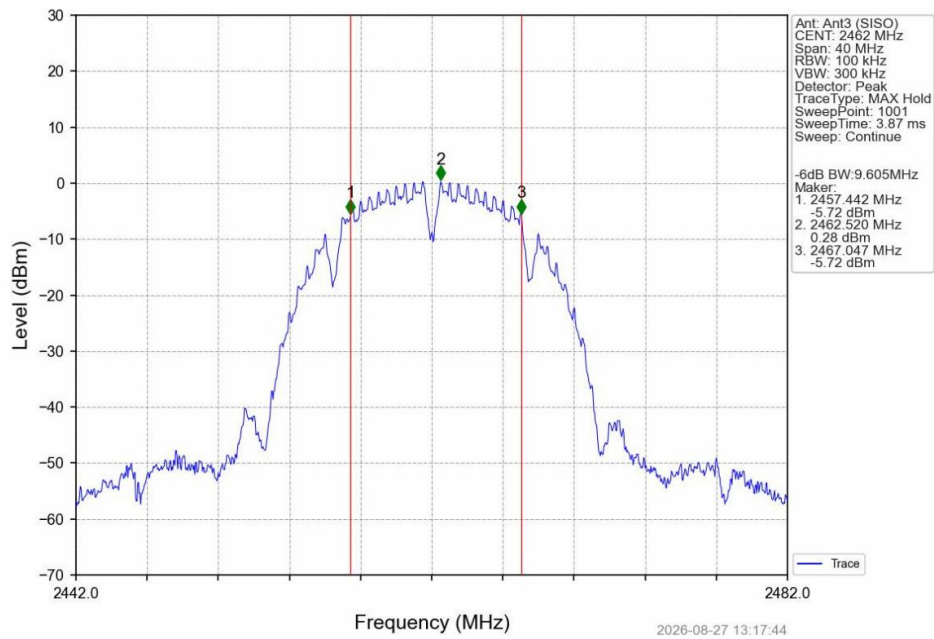
802.11b\_HCH\_2462MHz\_Ant0 (SISO)\_NTNV



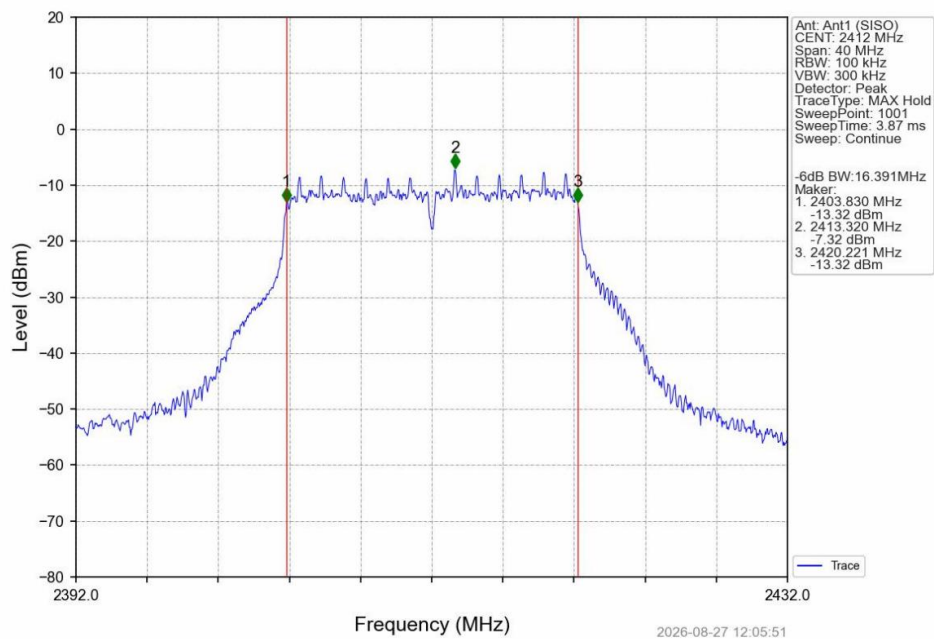
802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



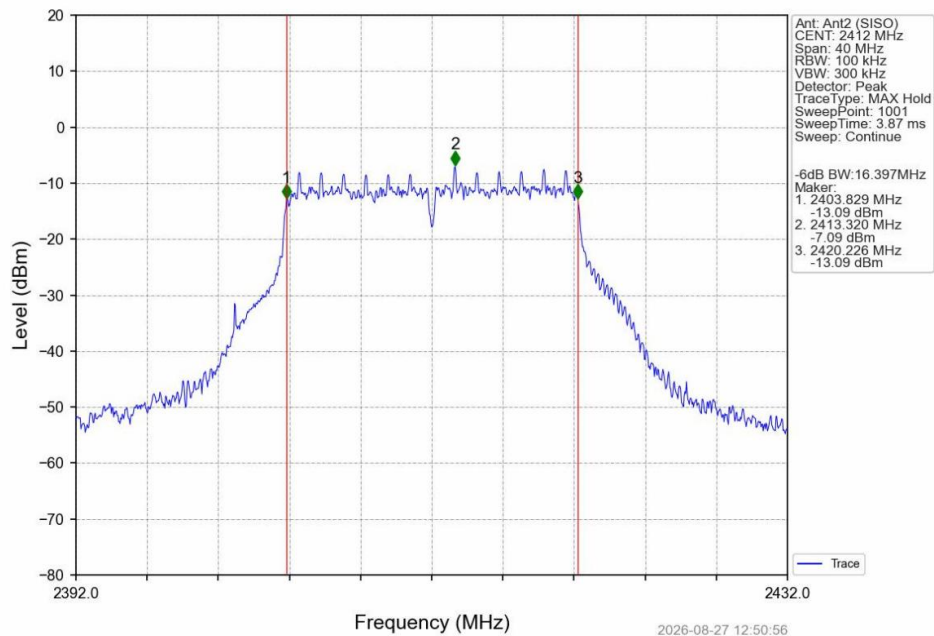
802.11b\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV



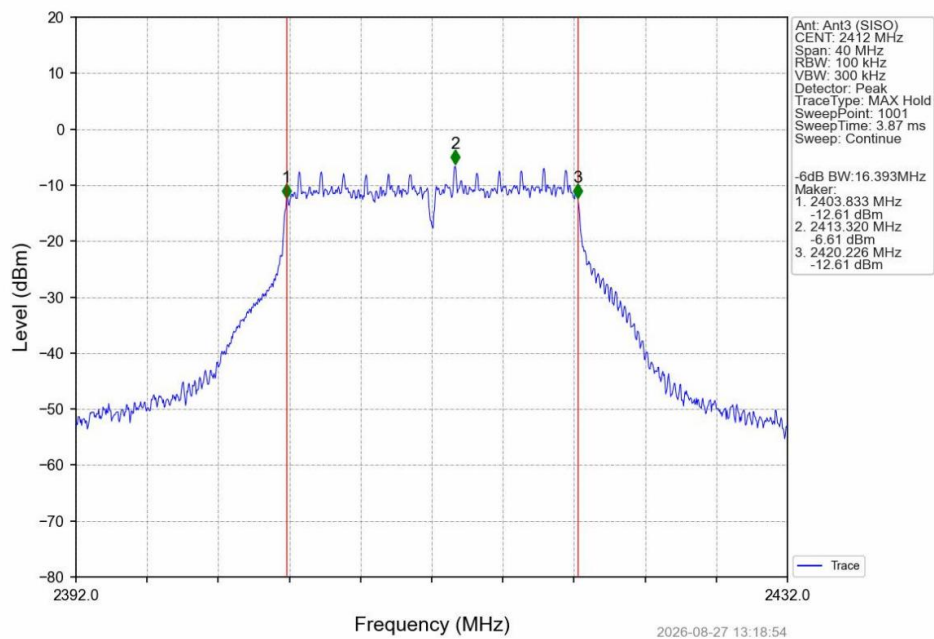
802.11g\_LCH\_2412MHz\_Ant0 (SISO)\_NTNV



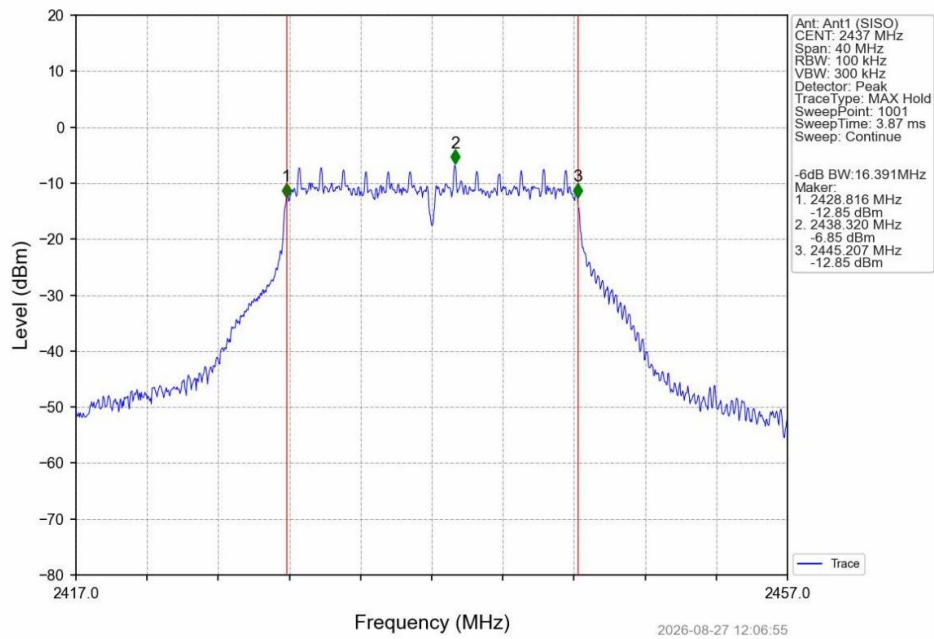
802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



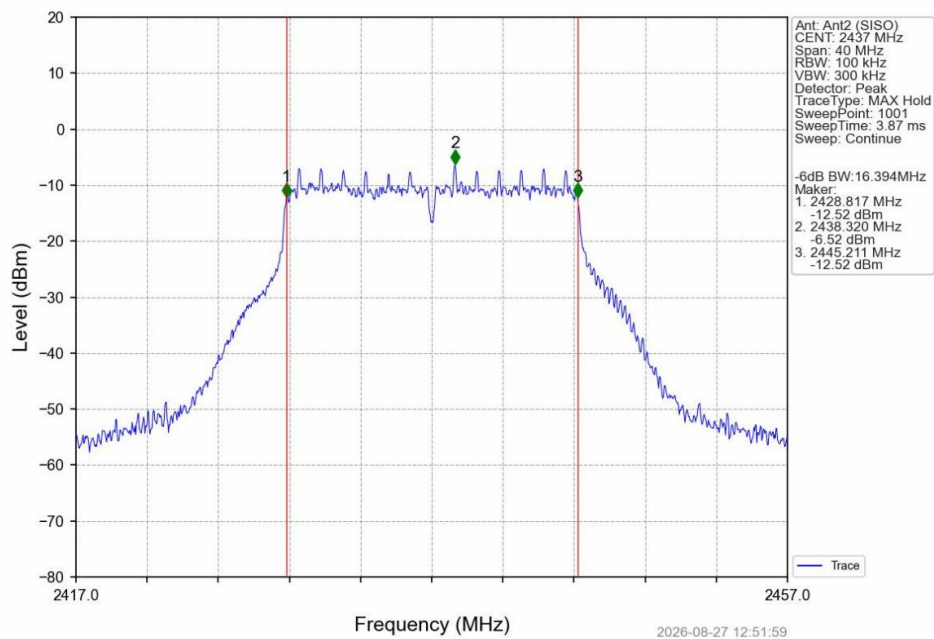
802.11g\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV



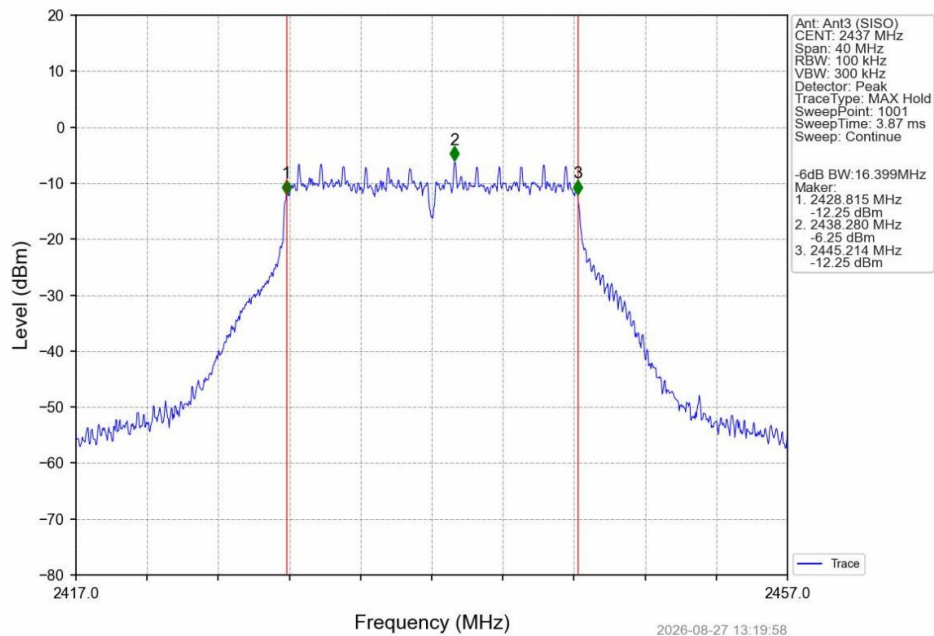
802.11g\_MCH\_2437MHz\_Ant0 (SISO)\_NTNV



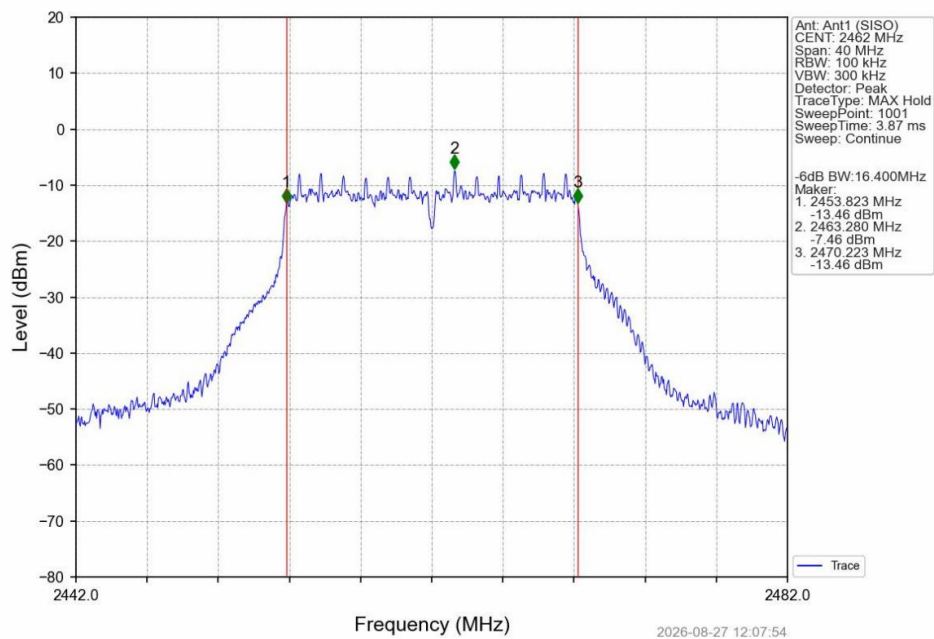
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



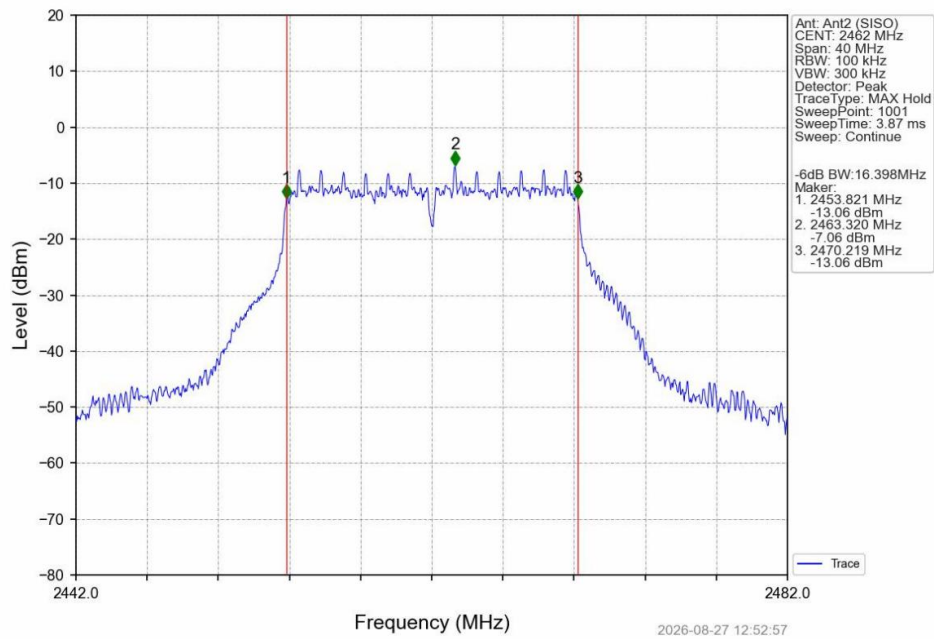
802.11g\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV



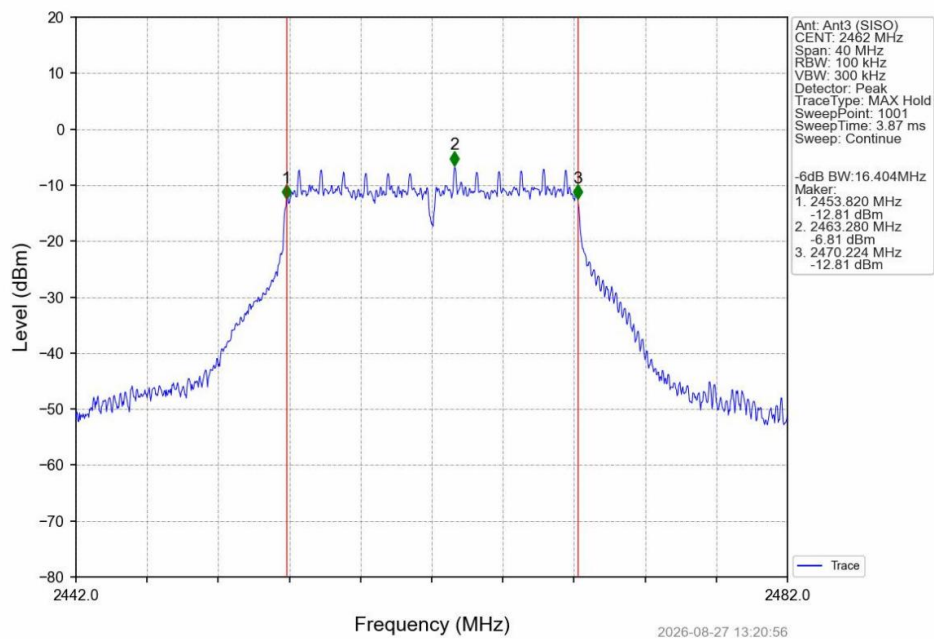
802.11g\_HCH\_2462MHz\_Ant0 (SISO)\_NTNV



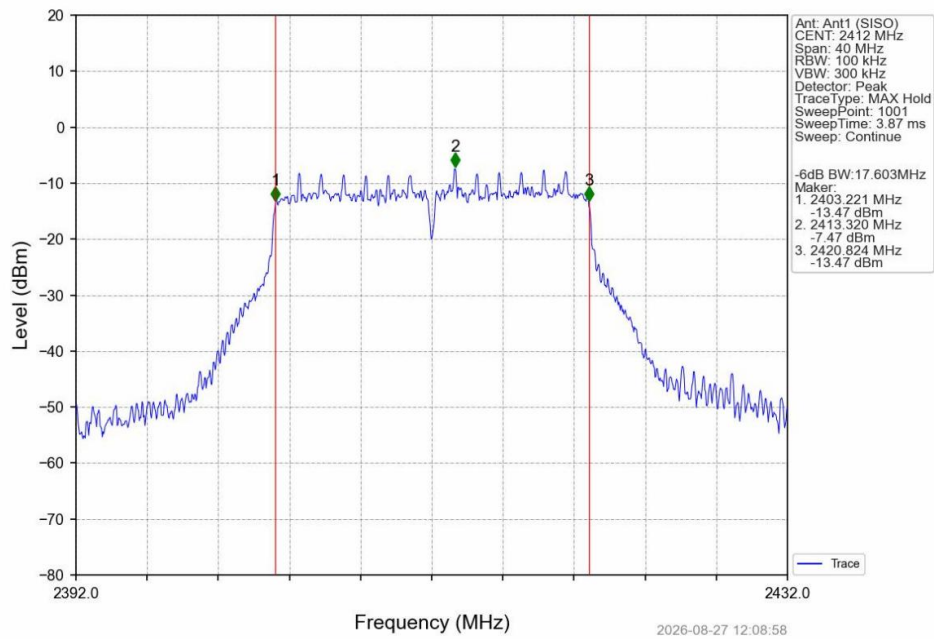
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



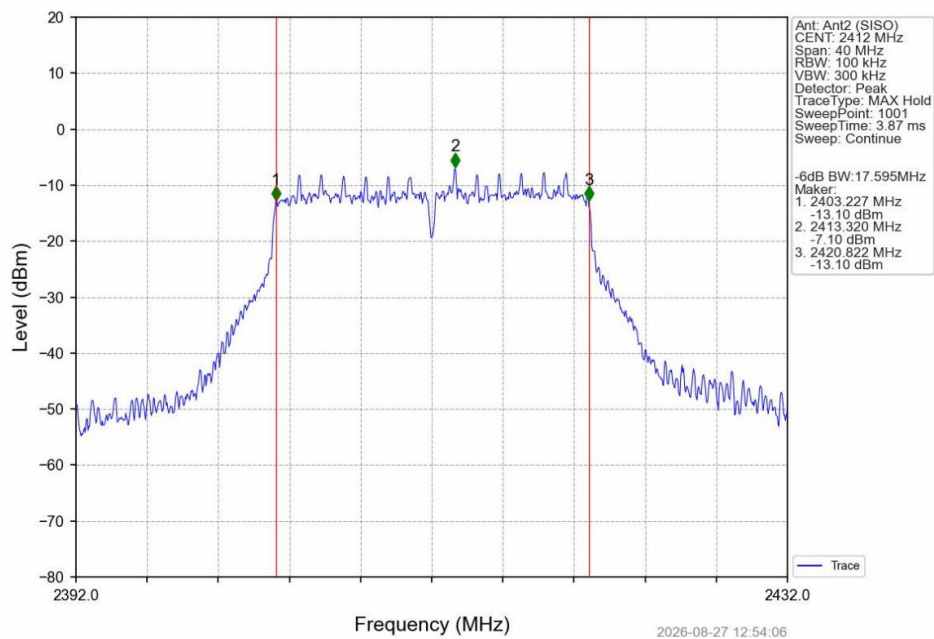
802.11g\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV



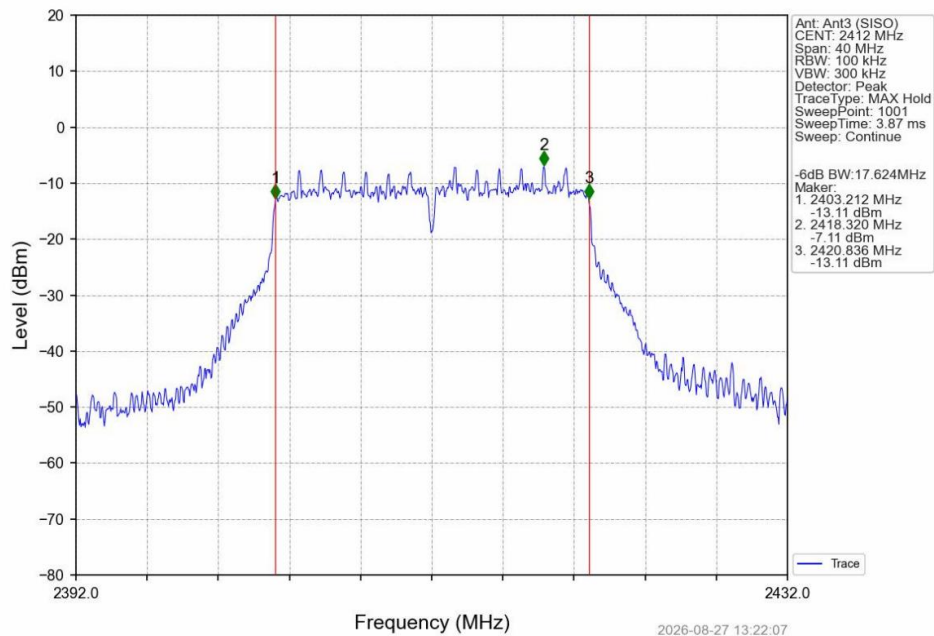
802.11n(HT20)\_LCH\_2412MHz\_Ant0 (SISO)\_NTNV



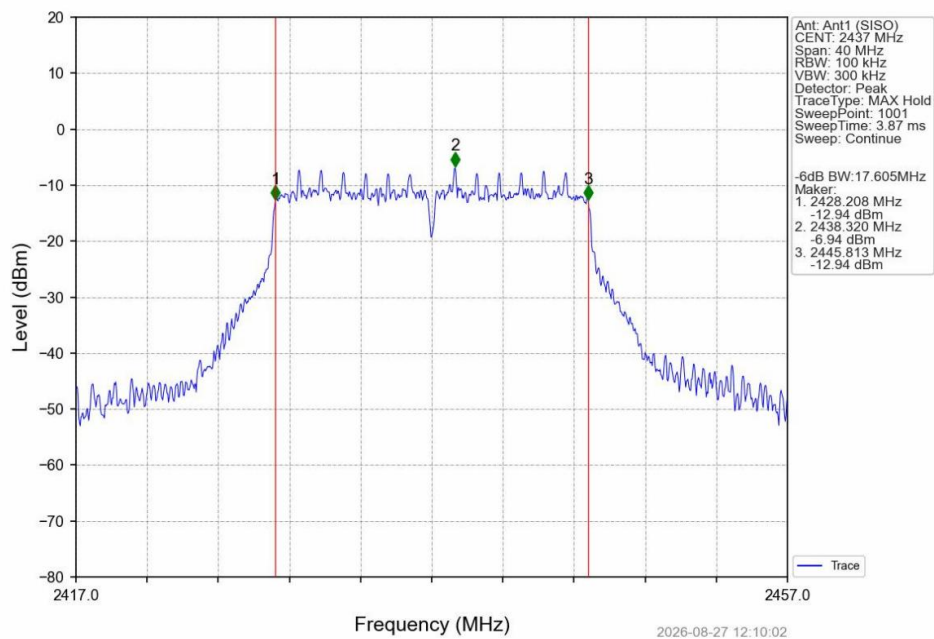
802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



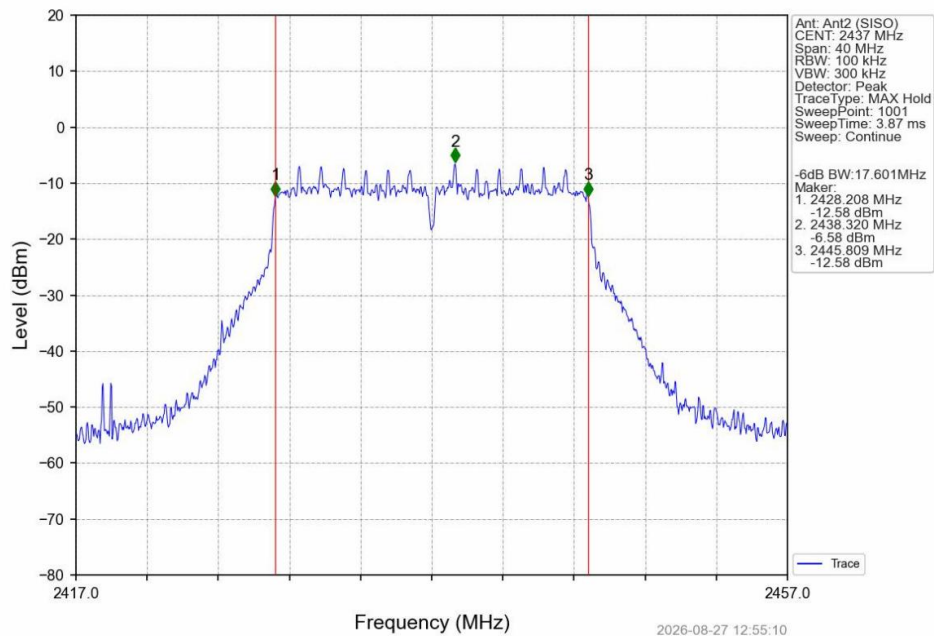
802.11n(HT20)\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV



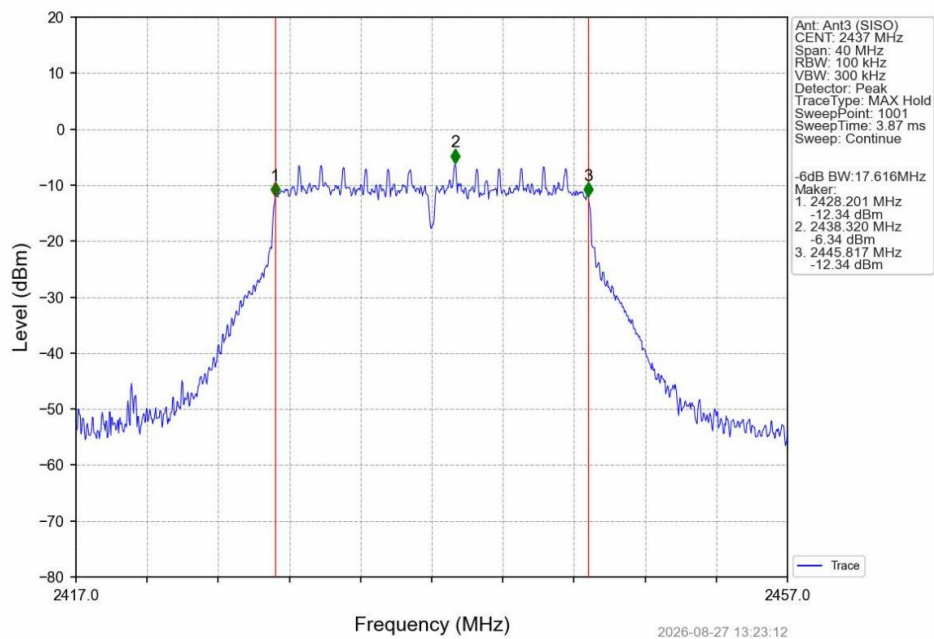
802.11n(HT20)\_MCH\_2437MHz\_Ant0 (SISO)\_NTNV



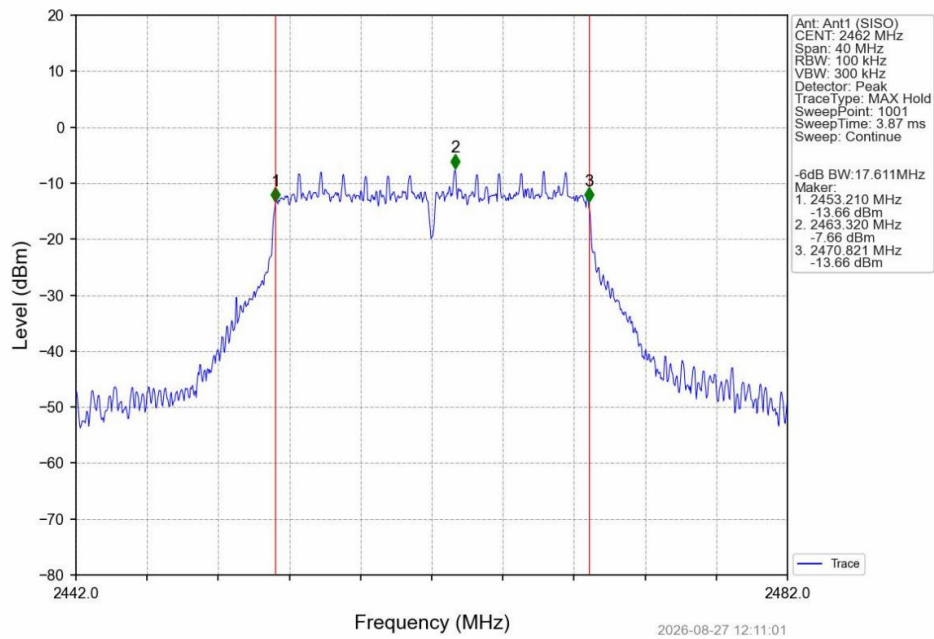
802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



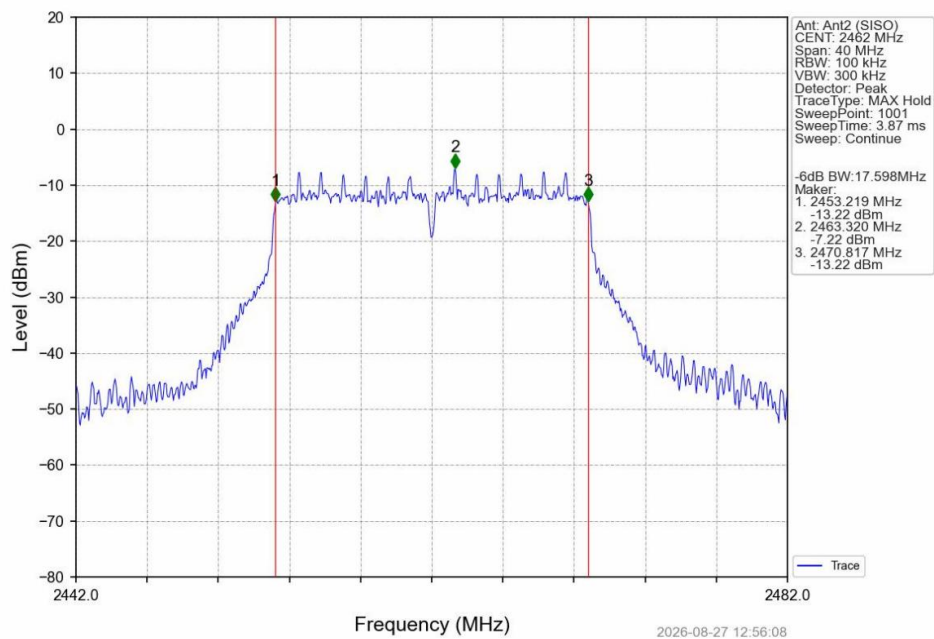
802.11n(HT20)\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV



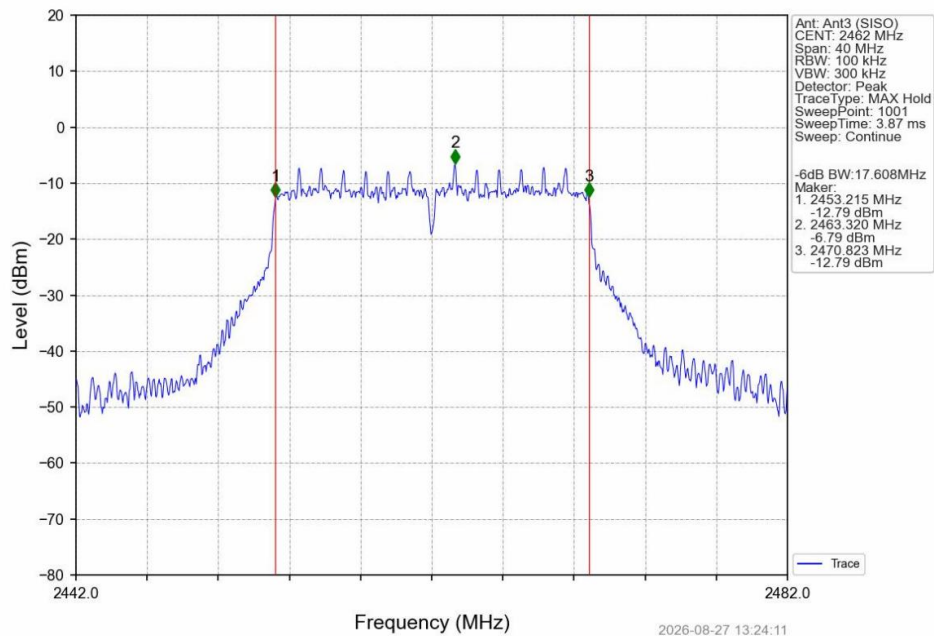
802.11n(HT20)\_HCH\_2462MHz\_Ant0 (SISO)\_NTNV



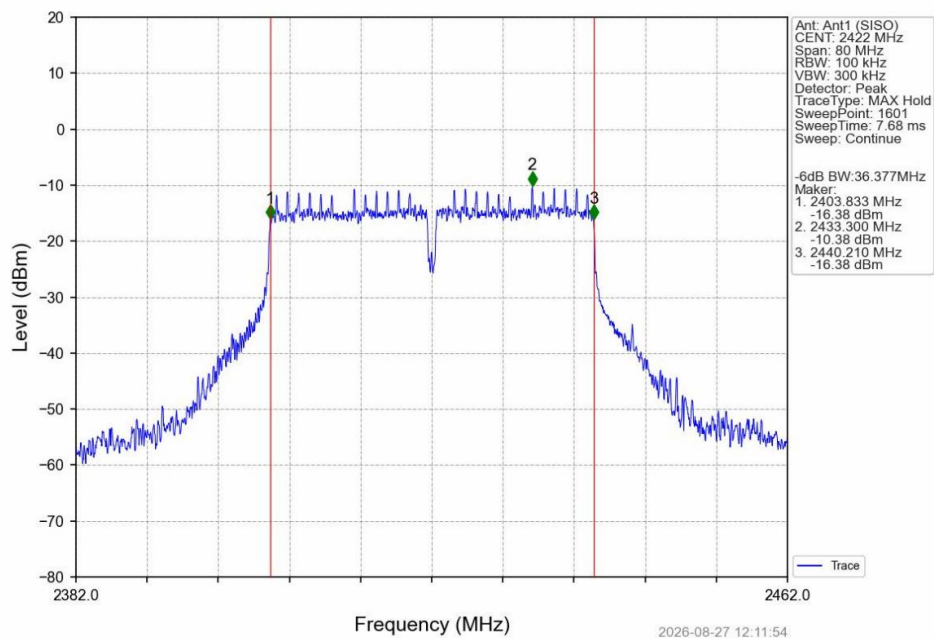
802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



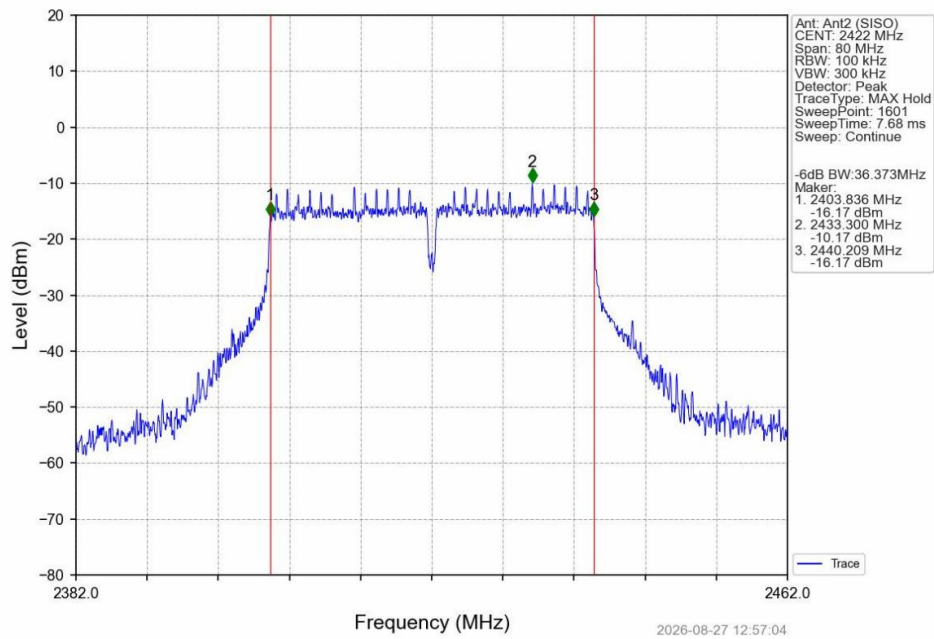
802.11n(HT20)\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV



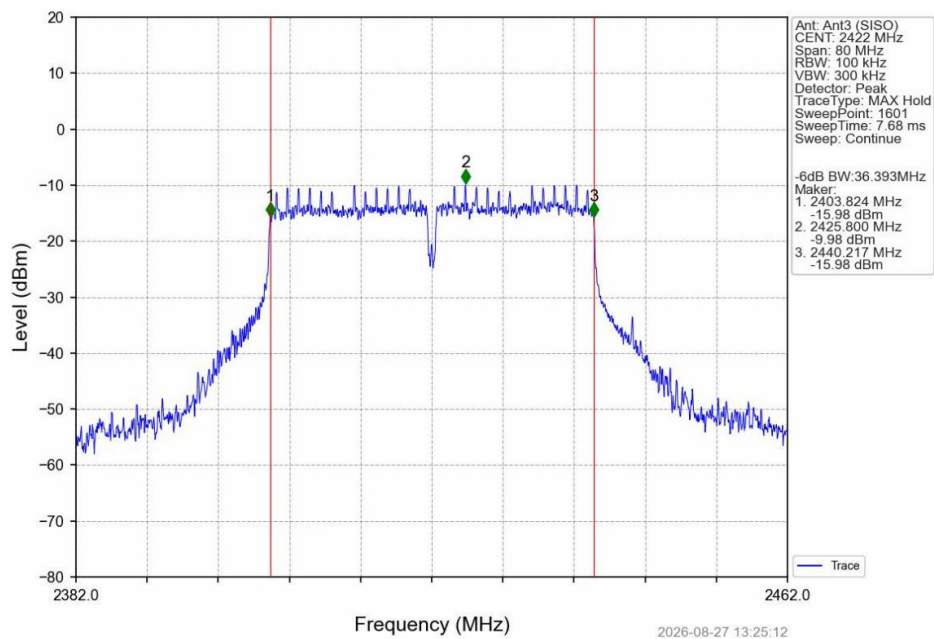
802.11n(HT40)\_LCH\_2422MHz\_Ant0 (SISO)\_NTNV



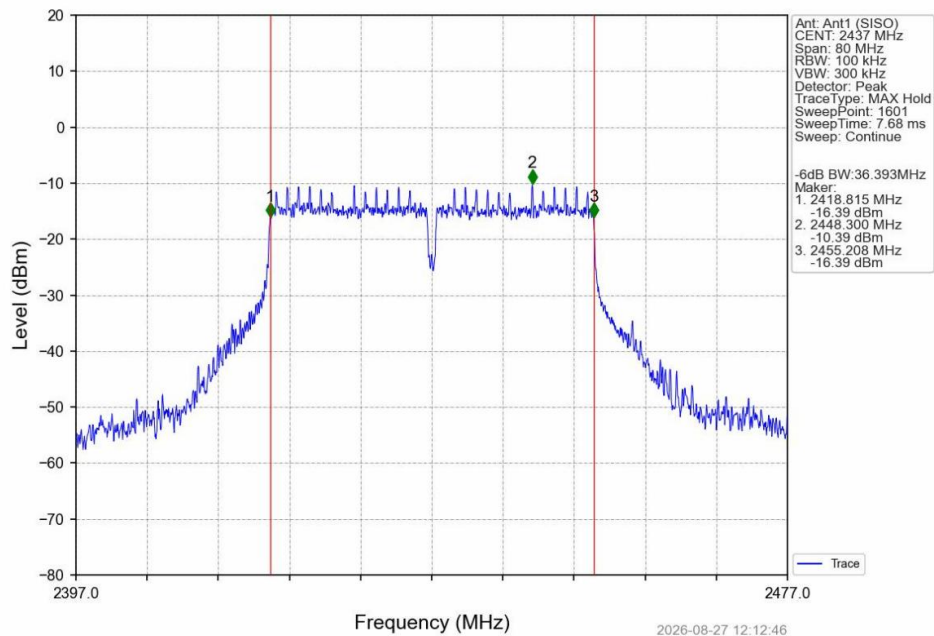
802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



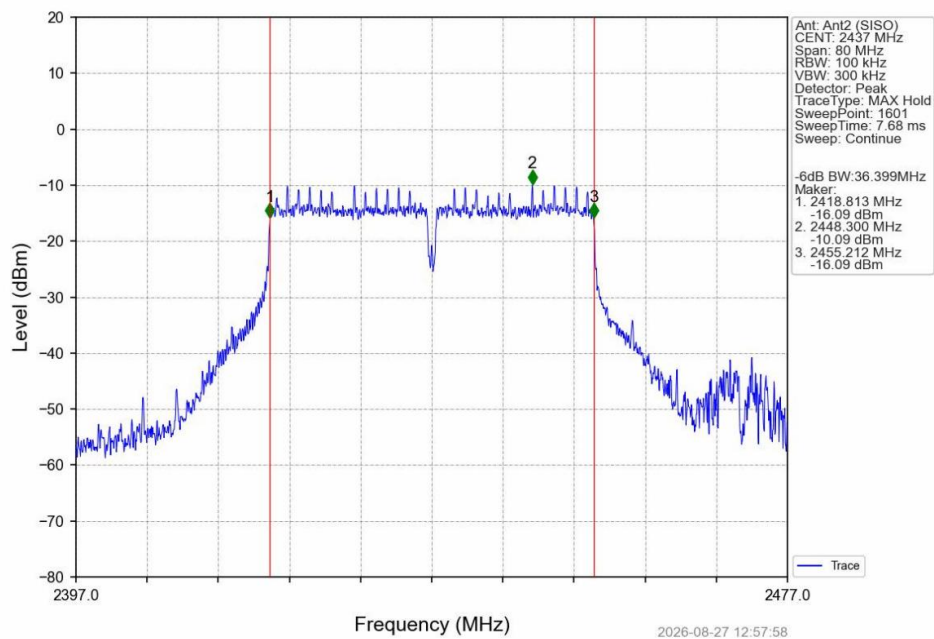
802.11n(HT40)\_LCH\_2422MHz\_Ant2 (SISO)\_NTNV



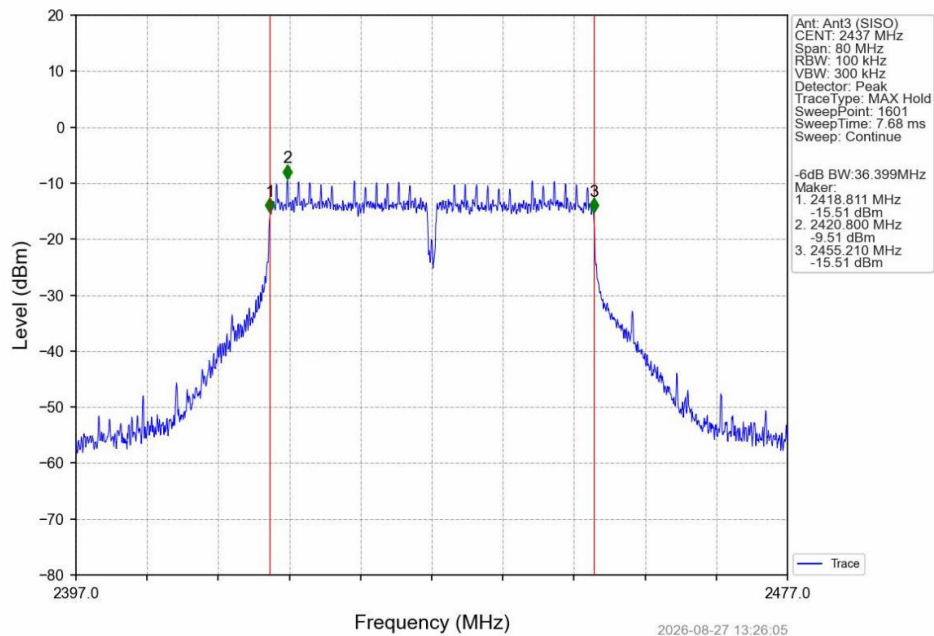
802.11n(HT40)\_MCH\_2437MHz\_Ant0 (SISO)\_NTNV



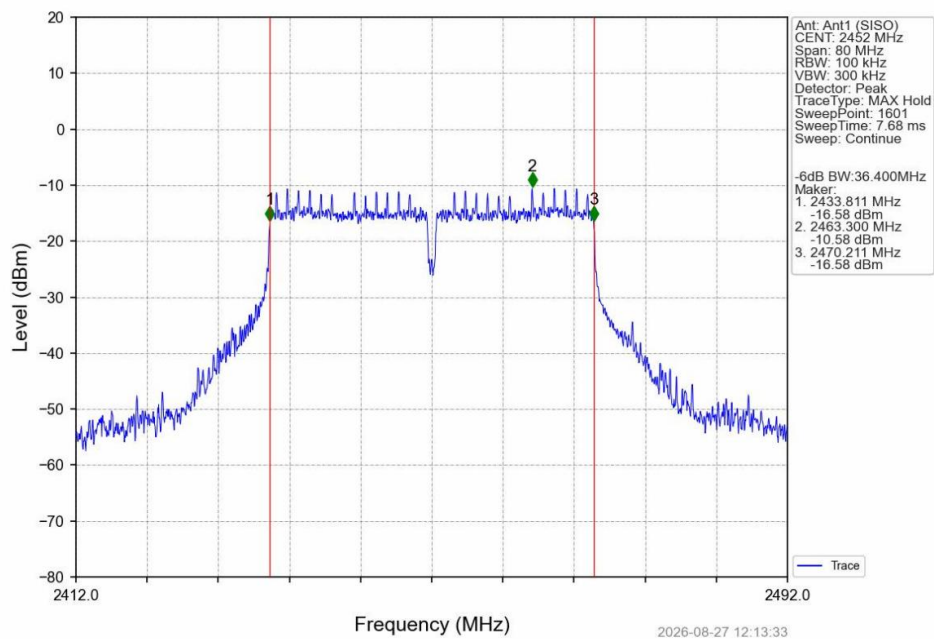
802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



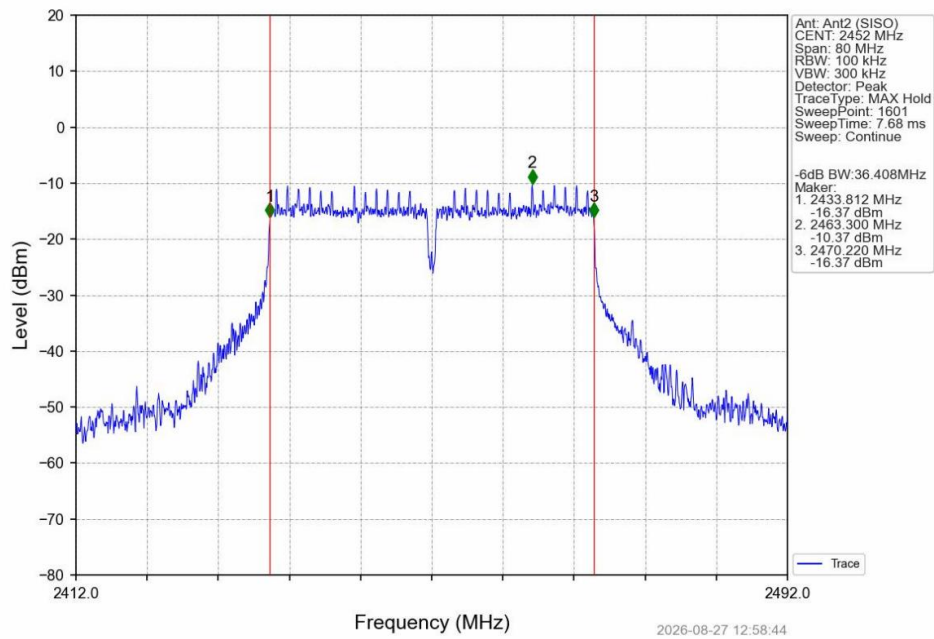
802.11n(HT40)\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV



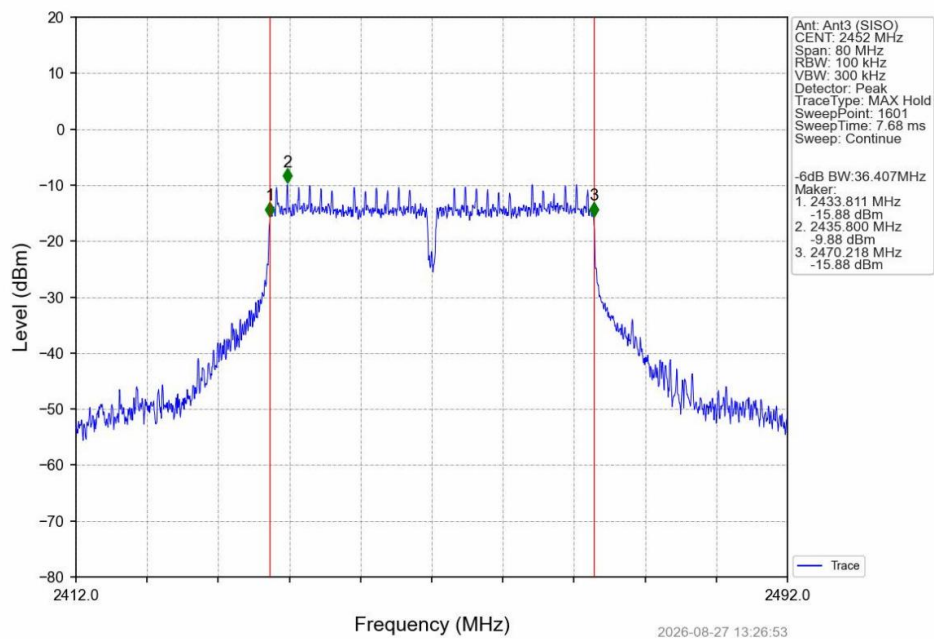
802.11n(HT40)\_HCH\_2452MHz\_Ant0 (SISO)\_NTNV



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



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



## Duty Cycle

Test Result

Ant0

| Ant0           |         |                 |           |             |                |                                   |                       |
|----------------|---------|-----------------|-----------|-------------|----------------|-----------------------------------|-----------------------|
| Mode           | Tx Type | Frequency (MHz) | T_on (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | Max. DC Variation (%) |
| 802.11b        | SISO    | 2412            | 1.009     | 1.133       | 89.06          | 0.50                              | 0.09                  |
|                |         | 2437            | 1.009     | 1.132       | 89.13          | 0.50                              | 0.09                  |
|                |         | 2462            | 1.008     | 1.132       | 89.05          | 0.50                              | 0.12                  |
| 802.11g        | SISO    | 2412            | 0.617     | 0.696       | 88.65          | 0.52                              | 0.18                  |
|                |         | 2437            | 0.616     | 0.696       | 88.51          | 0.53                              | 0.18                  |
|                |         | 2462            | 0.616     | 0.696       | 88.51          | 0.53                              | 0.12                  |
| 802.11n (HT20) | SISO    | 2412            | 0.613     | 0.692       | 88.58          | 0.53                              | 0.15                  |
|                |         | 2437            | 0.613     | 0.692       | 88.58          | 0.53                              | 0.18                  |
|                |         | 2462            | 0.613     | 0.692       | 88.58          | 0.53                              | 0.12                  |
| 802.11n (HT40) | SISO    | 2422            | 0.612     | 0.692       | 88.44          | 0.53                              | 0.15                  |
|                |         | 2437            | 0.613     | 0.692       | 88.58          | 0.53                              | 0.15                  |
|                |         | 2452            | 0.613     | 0.693       | 88.46          | 0.53                              | 0.18                  |

Ant1

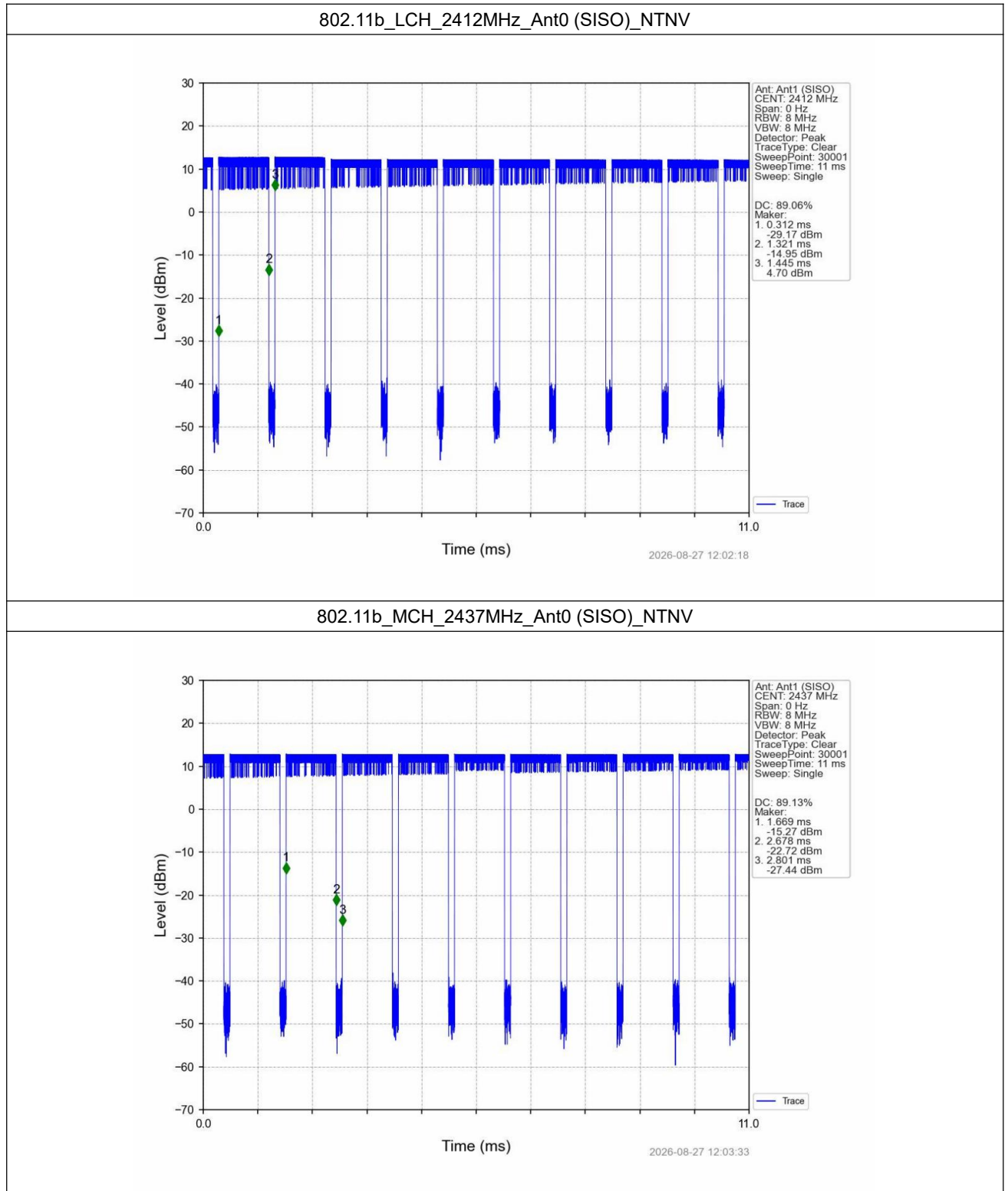
| Ant1           |         |                 |           |             |                |                                   |                       |
|----------------|---------|-----------------|-----------|-------------|----------------|-----------------------------------|-----------------------|
| Mode           | Tx Type | Frequency (MHz) | T_on (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | Max. DC Variation (%) |
| 802.11b        | SISO    | 2412            | 1.009     | 1.132       | 89.13          | 0.50                              | 0.09                  |
|                |         | 2437            | 1.009     | 1.132       | 89.13          | 0.50                              | 0.12                  |
|                |         | 2462            | 1.009     | 1.132       | 89.13          | 0.50                              | 0.09                  |
| 802.11g        | SISO    | 2412            | 0.617     | 0.697       | 88.52          | 0.53                              | 0.15                  |
|                |         | 2437            | 0.616     | 0.696       | 88.51          | 0.53                              | 0.15                  |
|                |         | 2462            | 0.617     | 0.696       | 88.65          | 0.52                              | 0.15                  |
| 802.11n (HT20) | SISO    | 2412            | 0.613     | 0.692       | 88.58          | 0.53                              | 0.18                  |
|                |         | 2437            | 0.613     | 0.692       | 88.58          | 0.53                              | 0.15                  |
|                |         | 2462            | 0.613     | 0.692       | 88.58          | 0.53                              | 0.15                  |
| 802.11n (HT40) | SISO    | 2422            | 0.613     | 0.692       | 88.58          | 0.53                              | 0.15                  |
|                |         | 2437            | 0.612     | 0.692       | 88.44          | 0.53                              | 0.16                  |
|                |         | 2452            | 0.612     | 0.692       | 88.44          | 0.53                              | 0.15                  |

Ant2

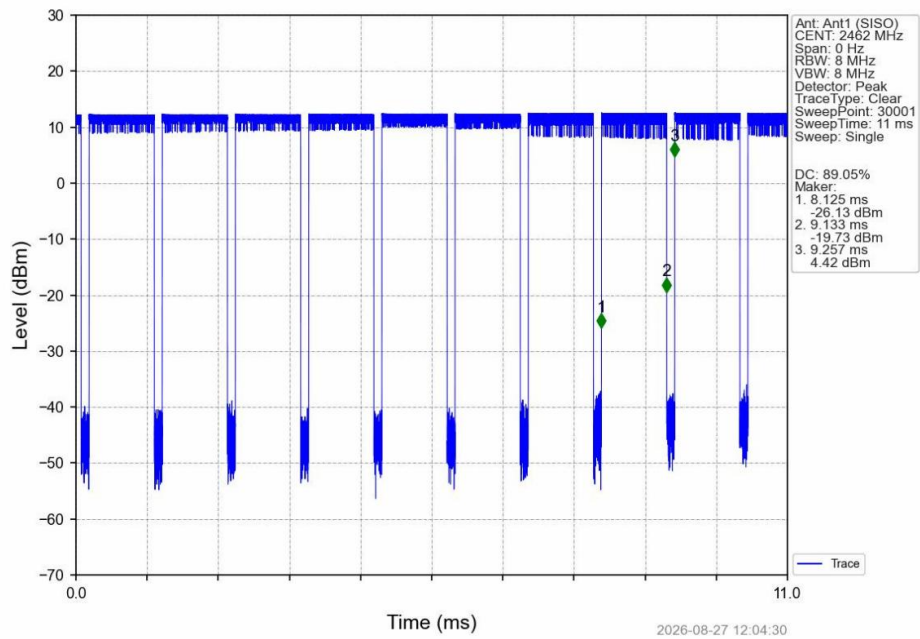
| Ant2           |         |                 |           |             |                |                                   |                       |
|----------------|---------|-----------------|-----------|-------------|----------------|-----------------------------------|-----------------------|
| Mode           | Tx Type | Frequency (MHz) | T_on (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | Max. DC Variation (%) |
| 802.11b        | SISO    | 2412            | 1.009     | 1.132       | 89.13          | 0.50                              | 0.09                  |
|                |         | 2437            | 1.009     | 1.132       | 89.13          | 0.50                              | 0.09                  |
|                |         | 2462            | 1.009     | 1.132       | 89.13          | 0.50                              | 0.06                  |
| 802.11g        | SISO    | 2412            | 0.617     | 0.696       | 88.65          | 0.52                              | 0.15                  |
|                |         | 2437            | 0.617     | 0.696       | 88.65          | 0.52                              | 0.15                  |
|                |         | 2462            | 0.617     | 0.696       | 88.65          | 0.52                              | 0.15                  |
| 802.11n (HT20) | SISO    | 2412            | 0.612     | 0.692       | 88.44          | 0.53                              | 0.18                  |
|                |         | 2437            | 0.612     | 0.692       | 88.44          | 0.53                              | 0.15                  |

|                   |      |      |       |       |       |      |      |
|-------------------|------|------|-------|-------|-------|------|------|
|                   |      | 2462 | 0.612 | 0.692 | 88.44 | 0.53 | 0.15 |
| 802.11n<br>(HT40) | SISO | 2422 | 0.613 | 0.692 | 88.58 | 0.53 | 0.15 |
|                   |      | 2437 | 0.612 | 0.692 | 88.44 | 0.53 | 0.15 |
|                   |      | 2452 | 0.612 | 0.692 | 88.44 | 0.53 | 0.15 |

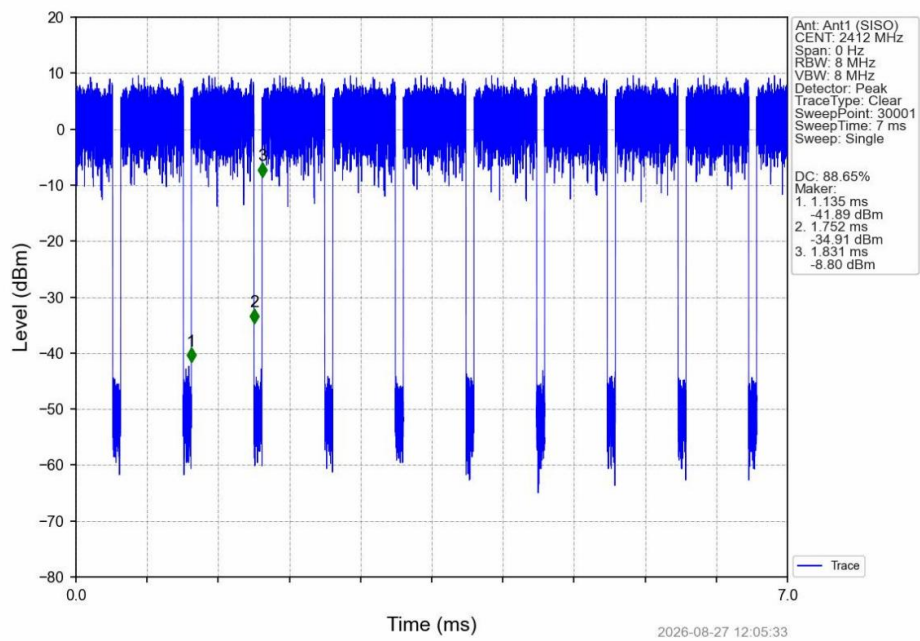
Test Graph  
Ant0



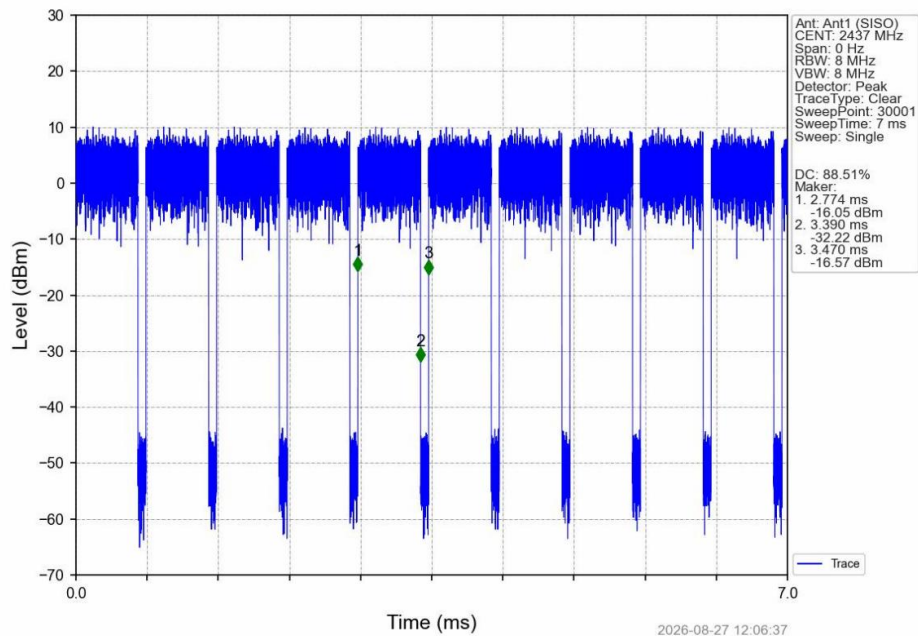
802.11b\_HCH\_2462MHz\_Ant0 (SISO)\_NTNV



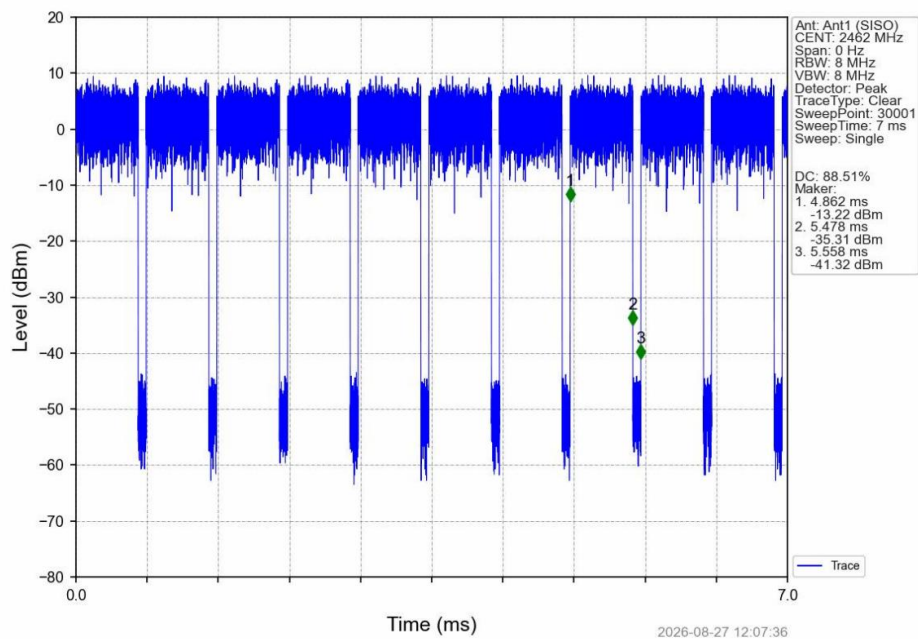
802.11g\_LCH\_2412MHz\_Ant0 (SISO)\_NTNV



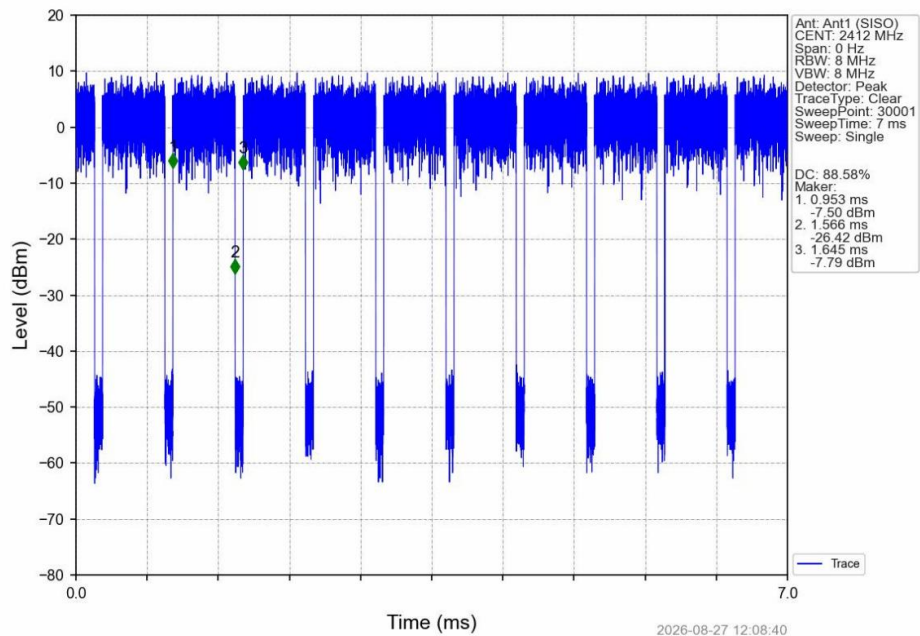
802.11g\_MCH\_2437MHz\_Ant0 (SISO)\_NTNV



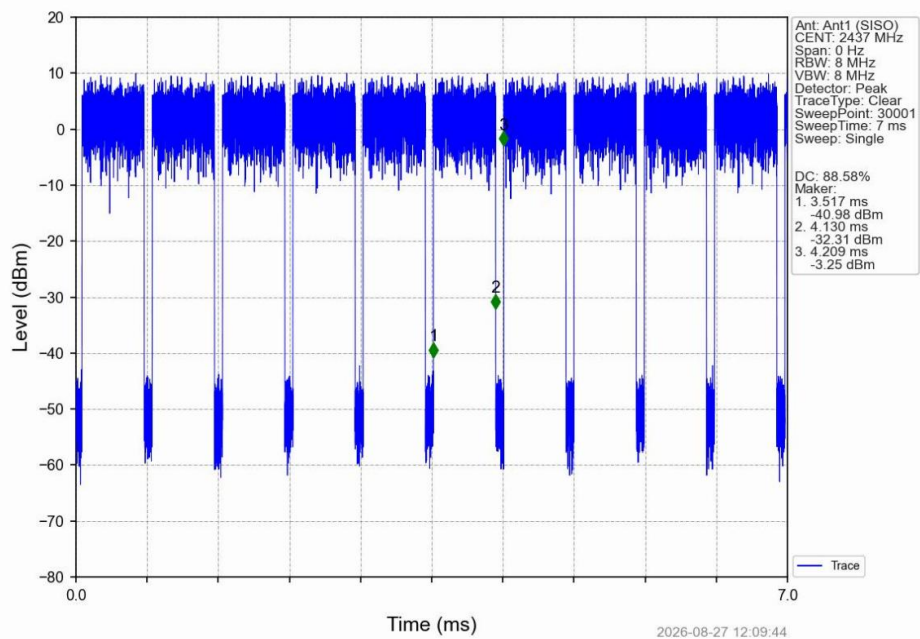
802.11g\_HCH\_2462MHz\_Ant0 (SISO)\_NTNV



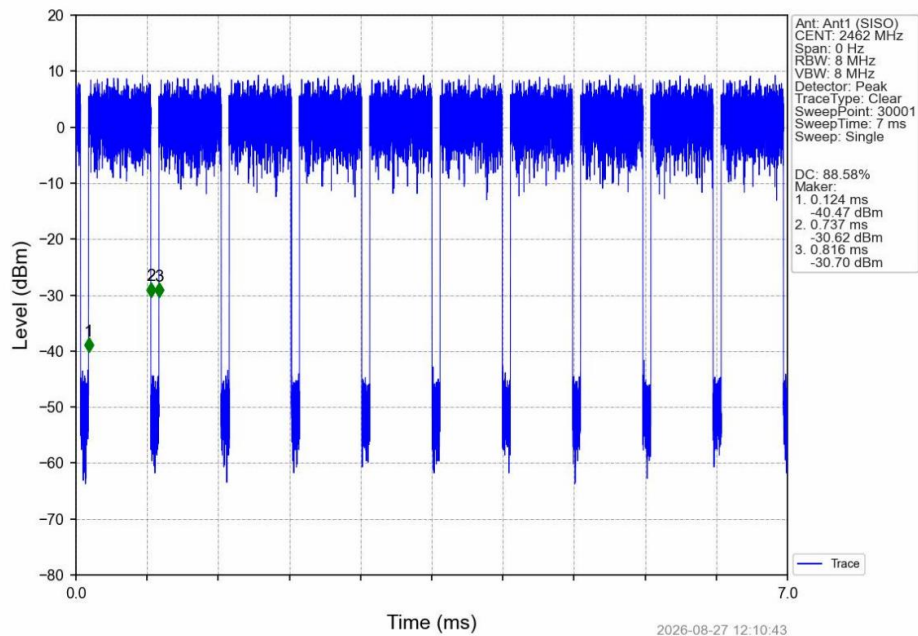
802.11n(HT20)\_LCH\_2412MHz\_Ant0 (SISO)\_NTNV



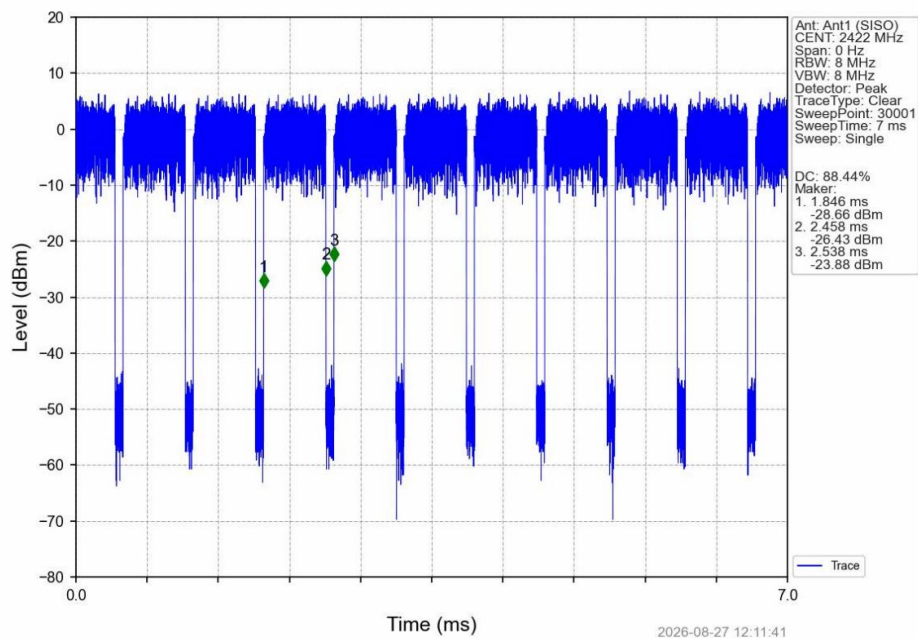
802.11n(HT20)\_MCH\_2437MHz\_Ant0 (SISO)\_NTNV



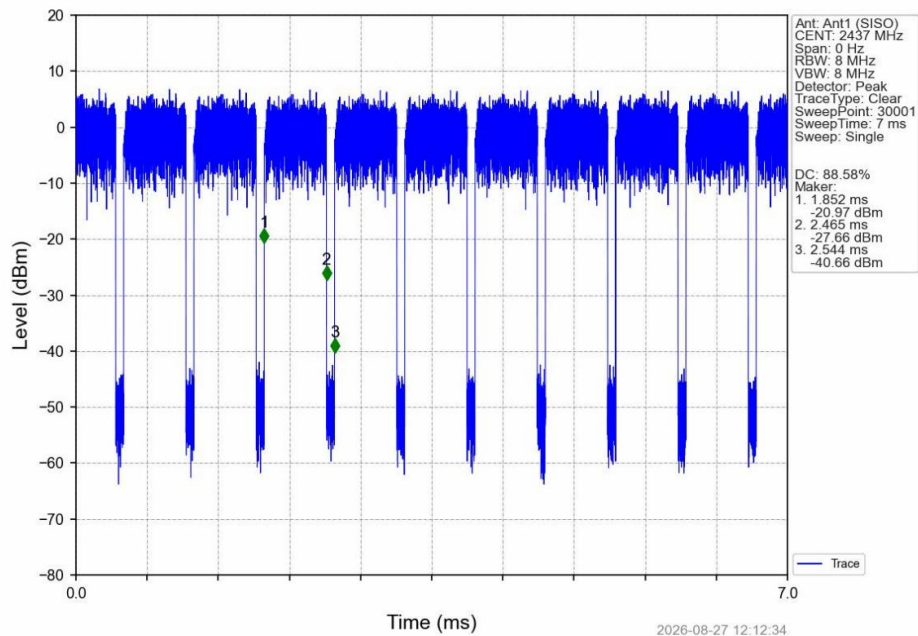
802.11n(HT20)\_HCH\_2462MHz\_Ant0 (SISO)\_NTNV



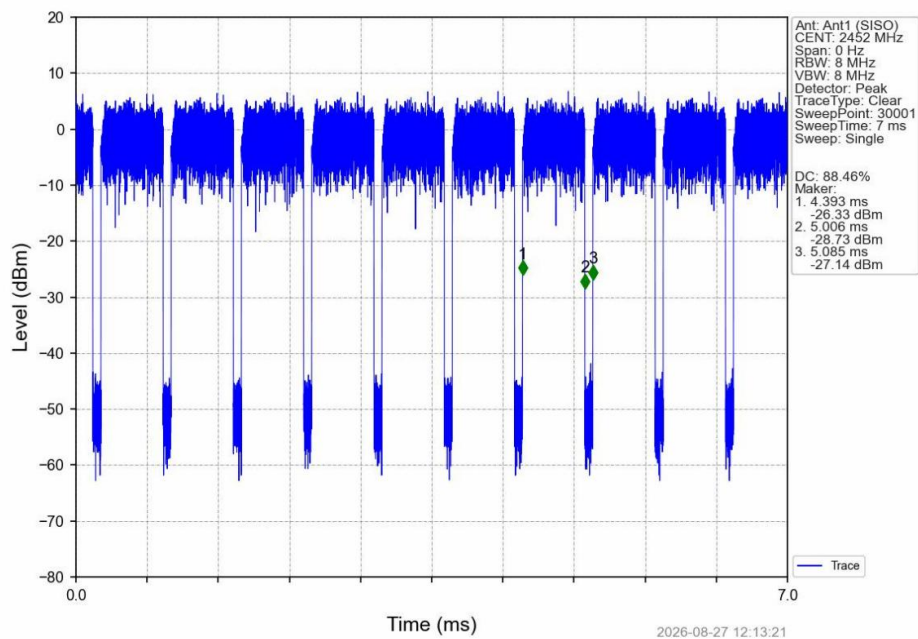
802.11n(HT40)\_LCH\_2422MHz\_Ant0 (SISO)\_NTNV



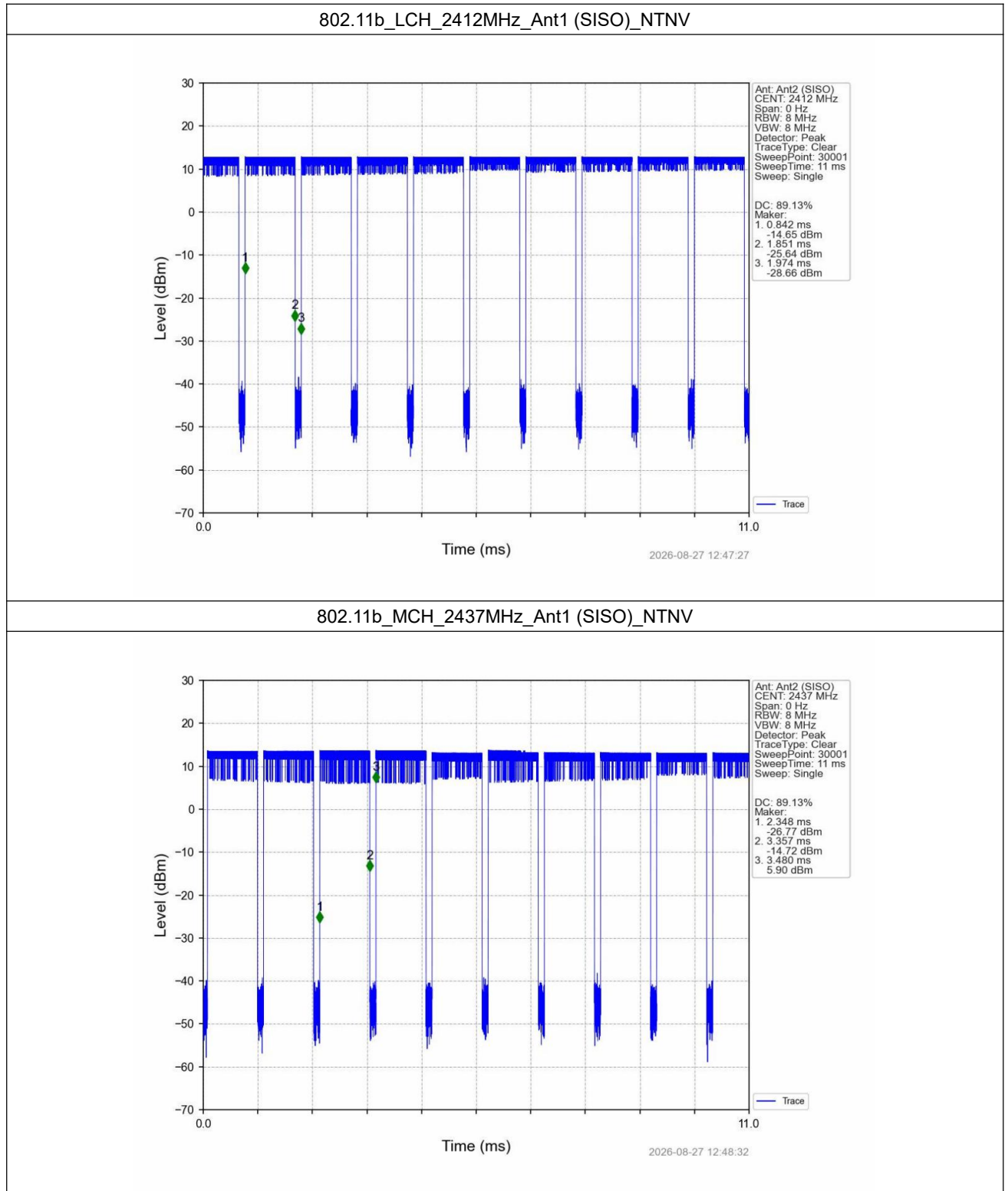
802.11n(HT40)\_MCH\_2437MHz\_Ant0 (SISO)\_NTNV



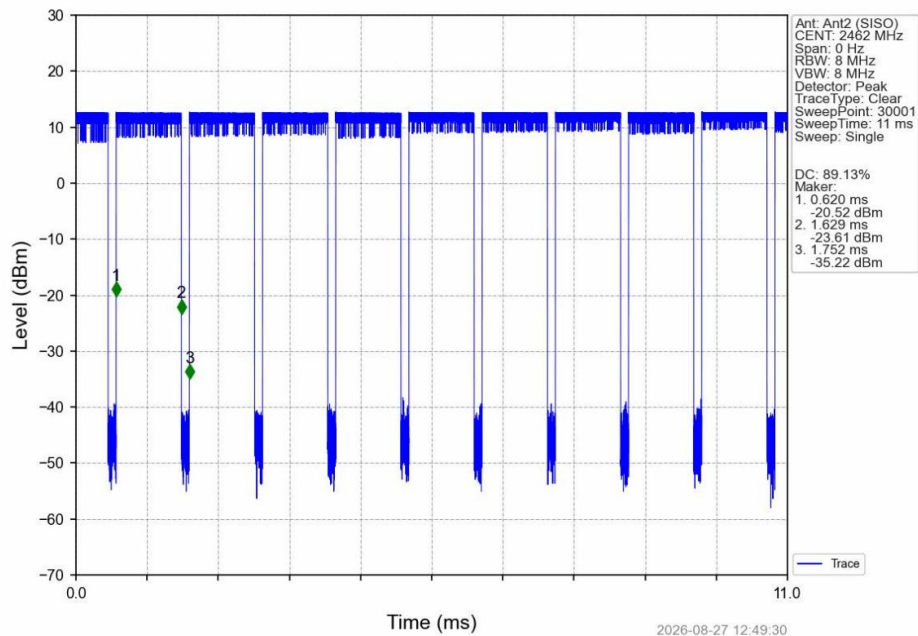
802.11n(HT40)\_HCH\_2452MHz\_Ant0 (SISO)\_NTNV



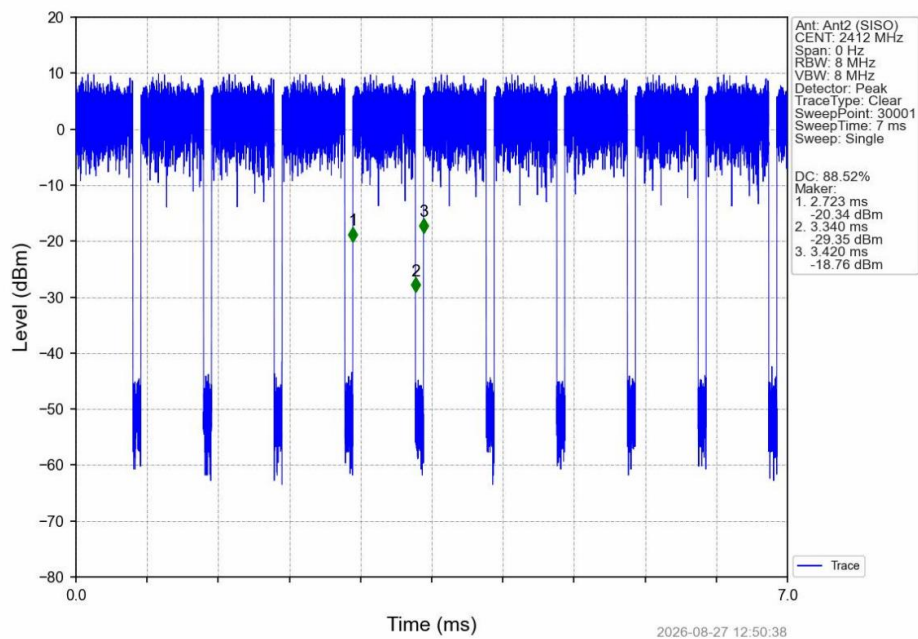
Ant1



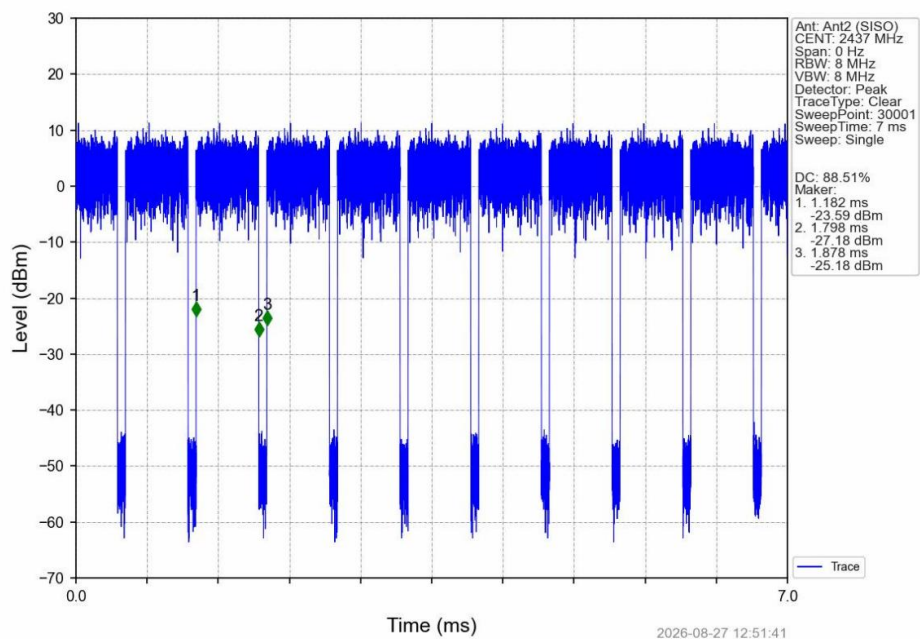
802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



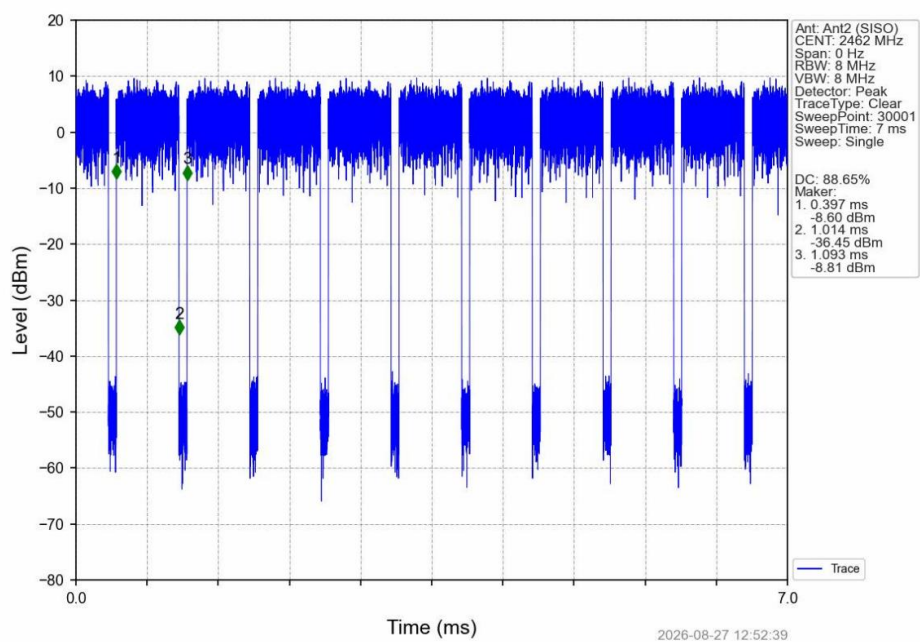
802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



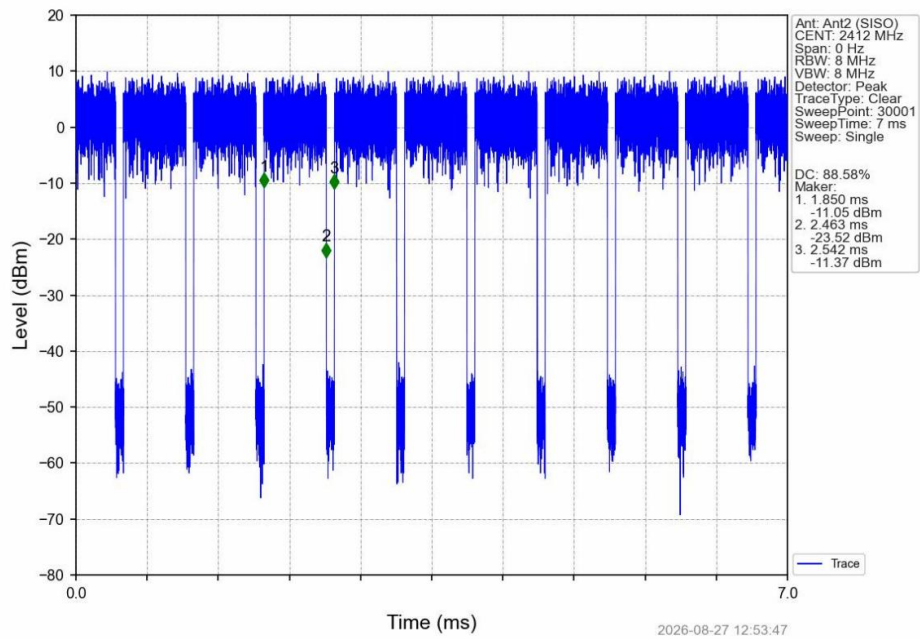
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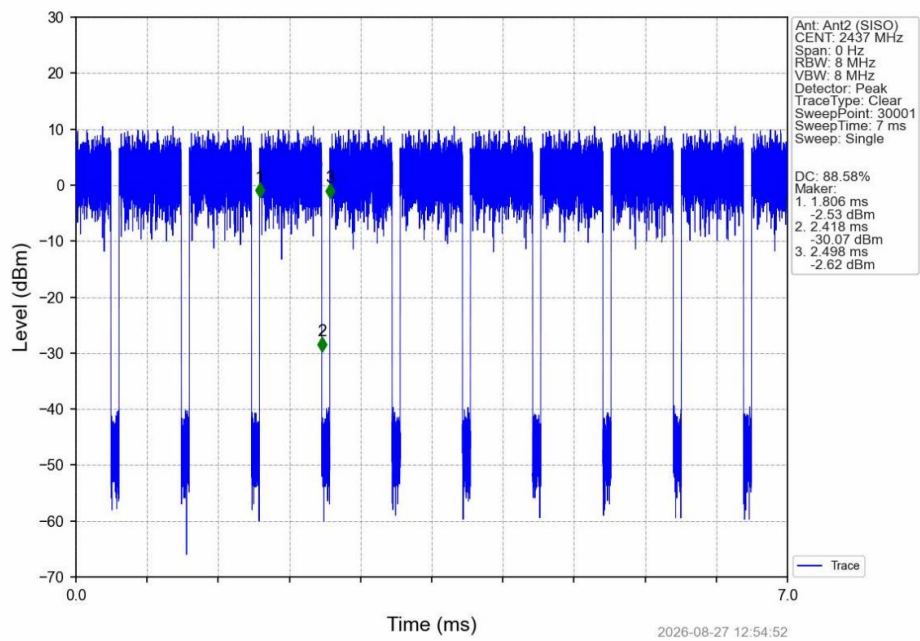
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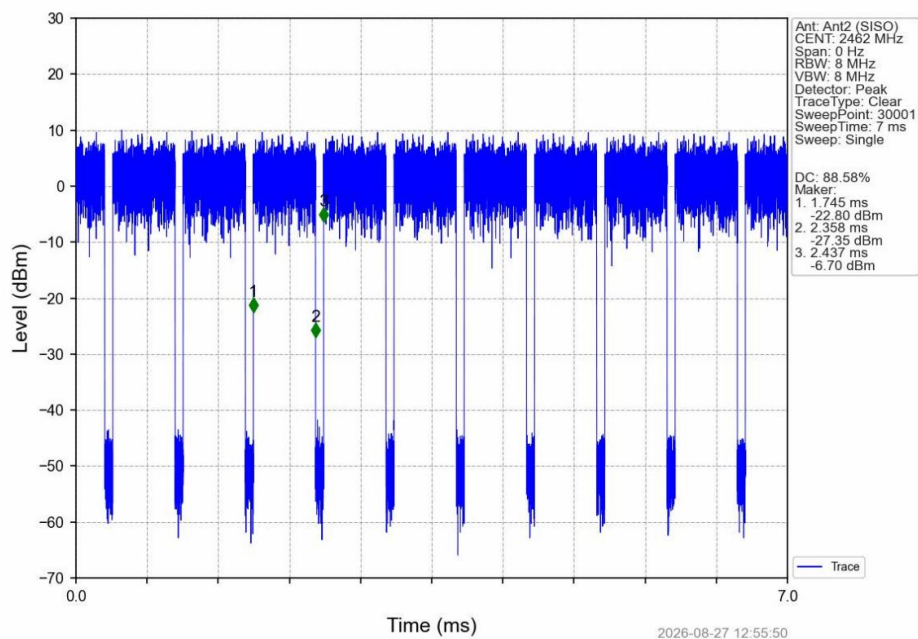
802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



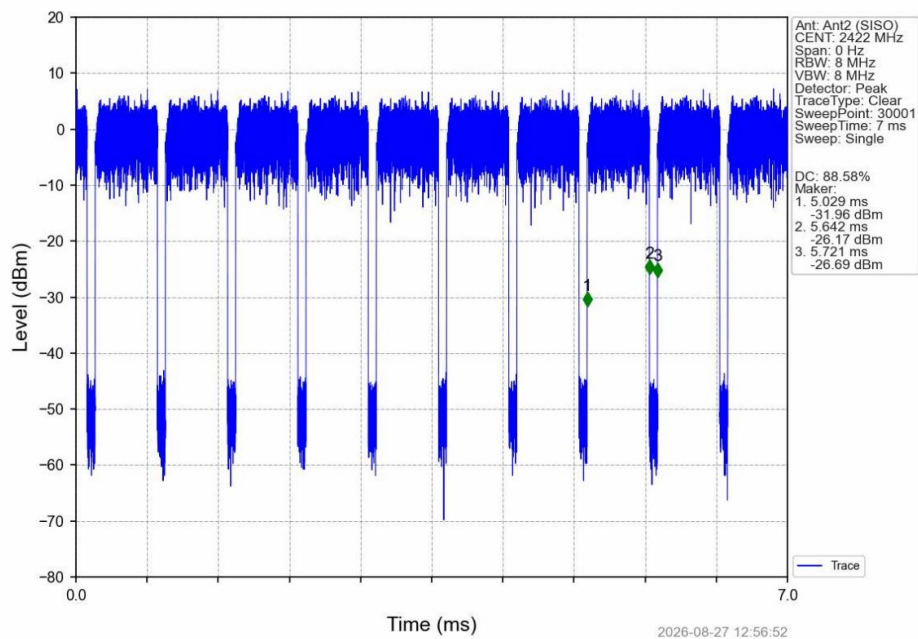
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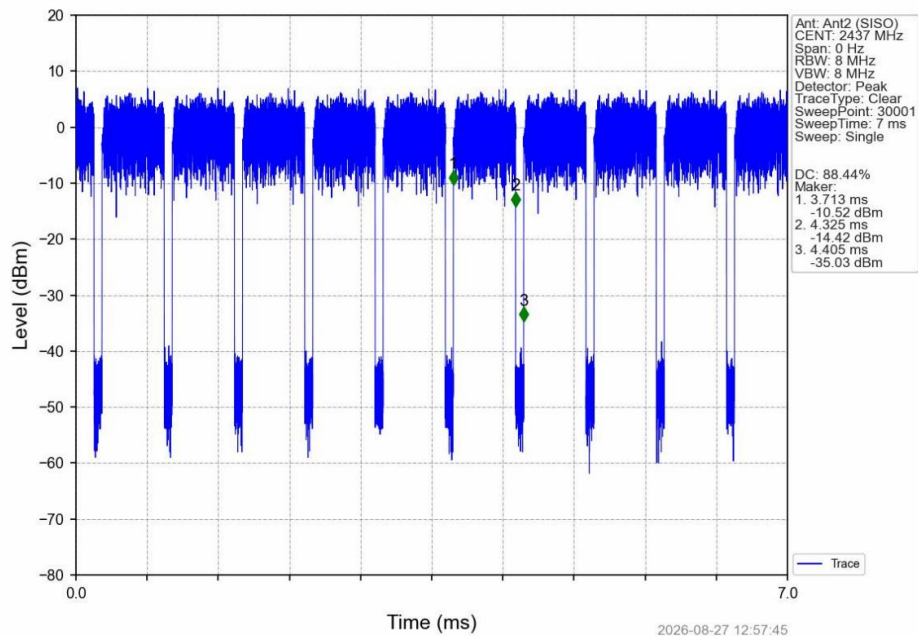
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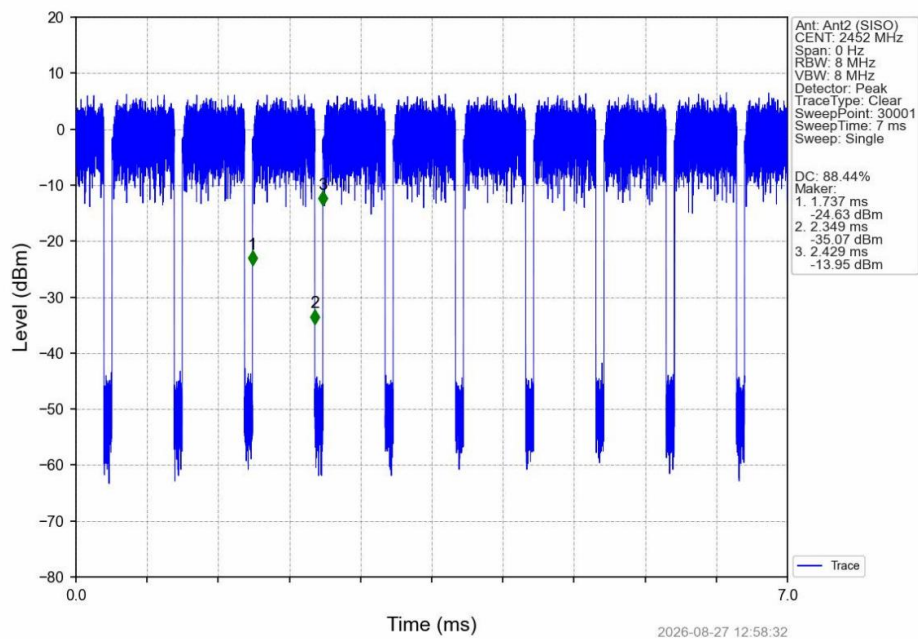
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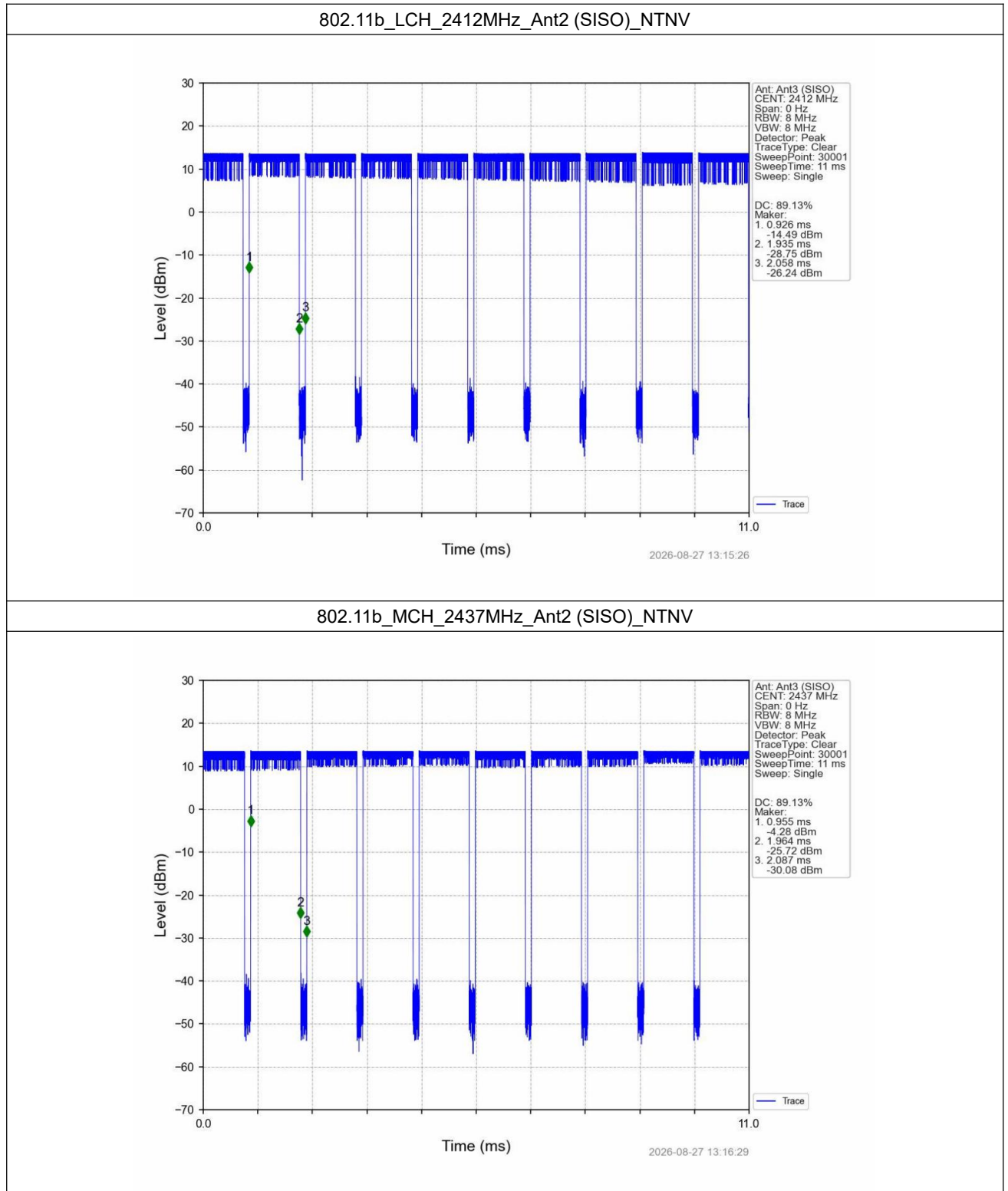
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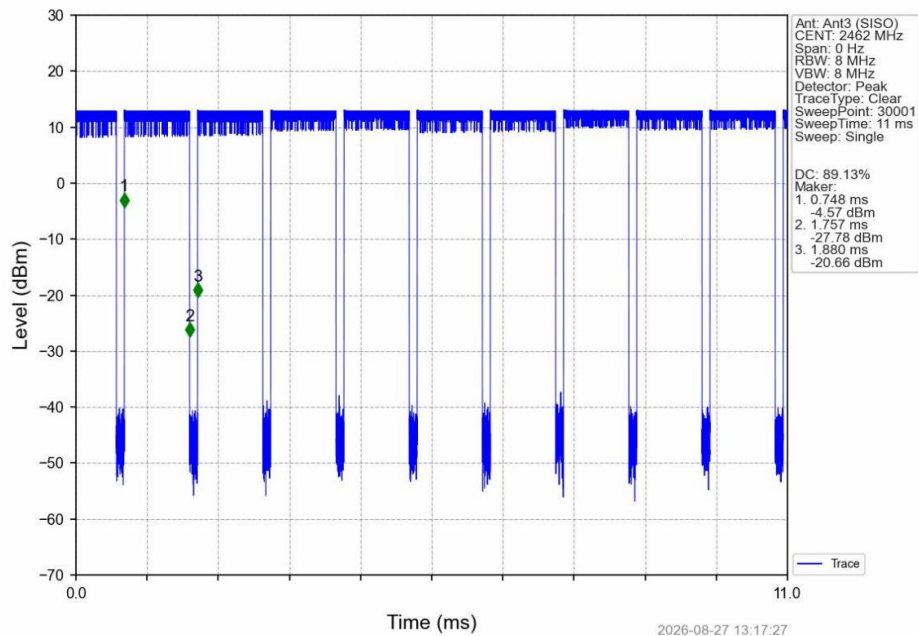
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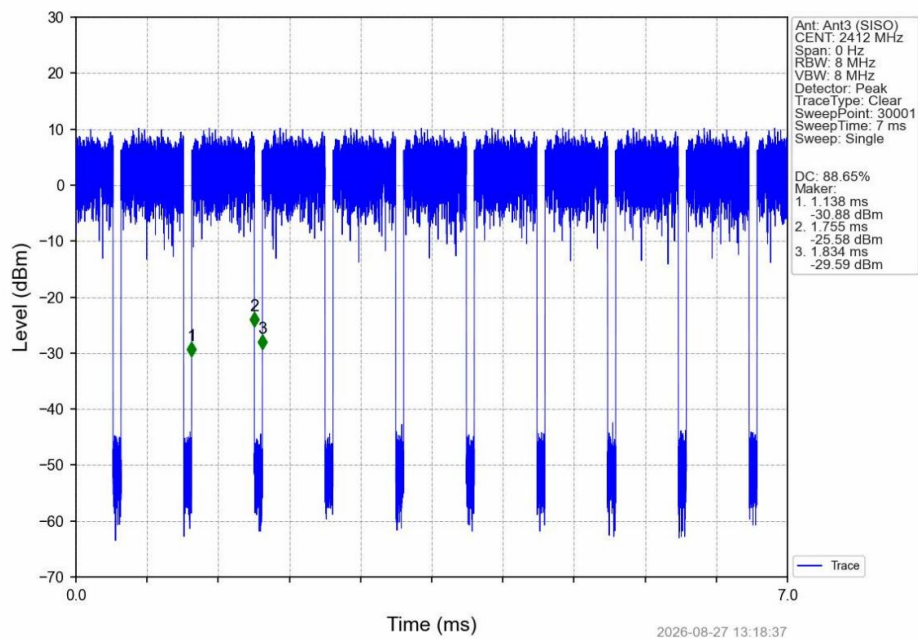
Ant2



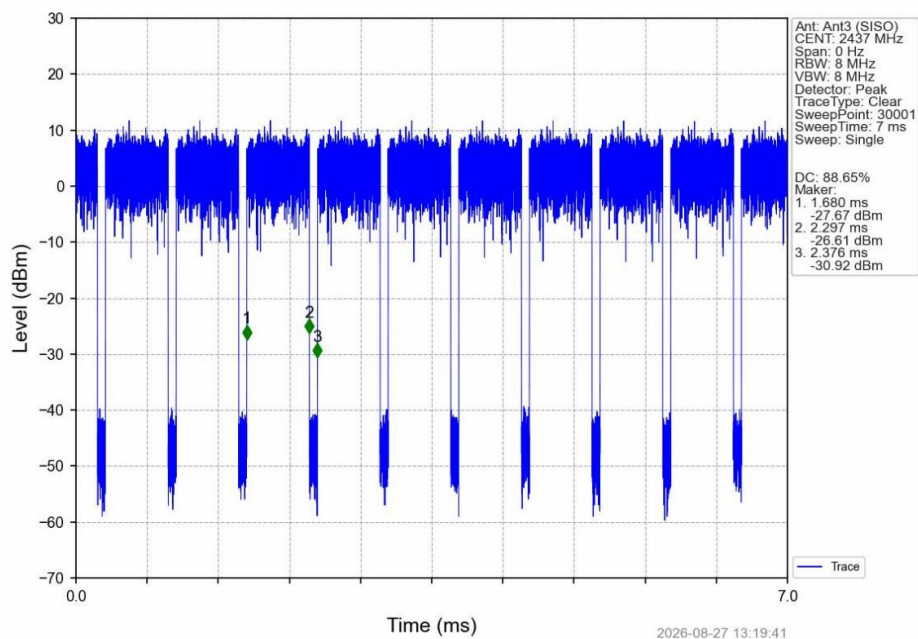
802.11b\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV



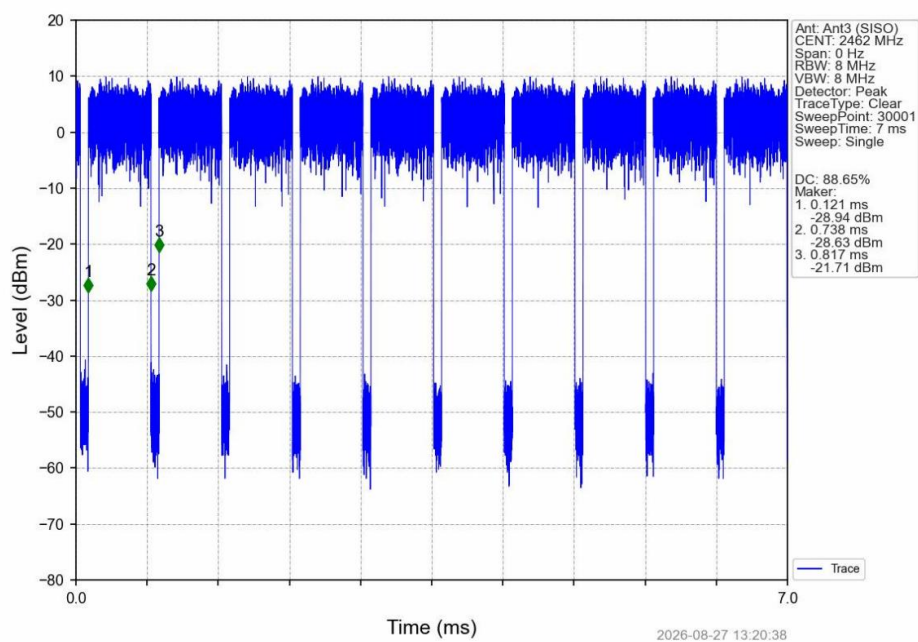
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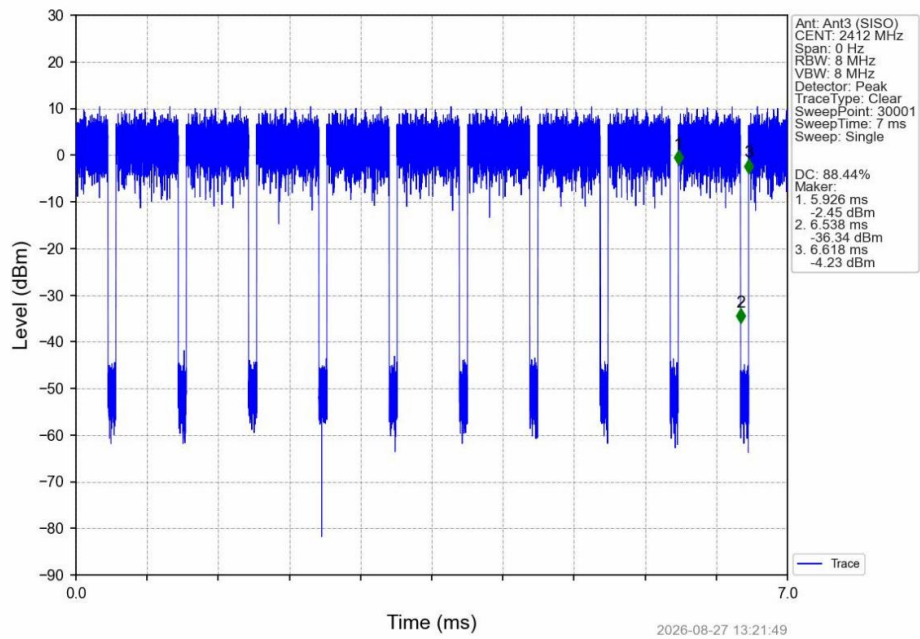
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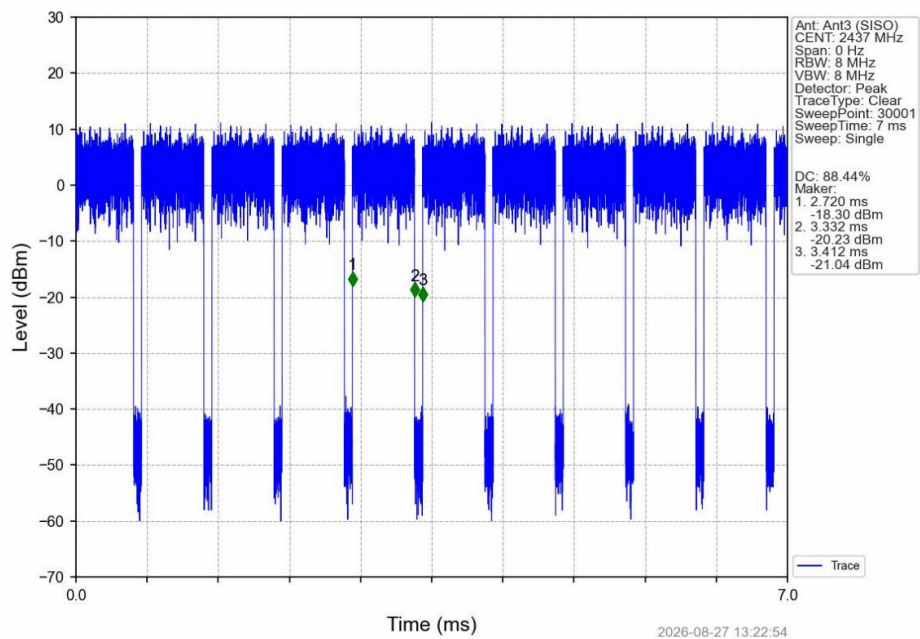
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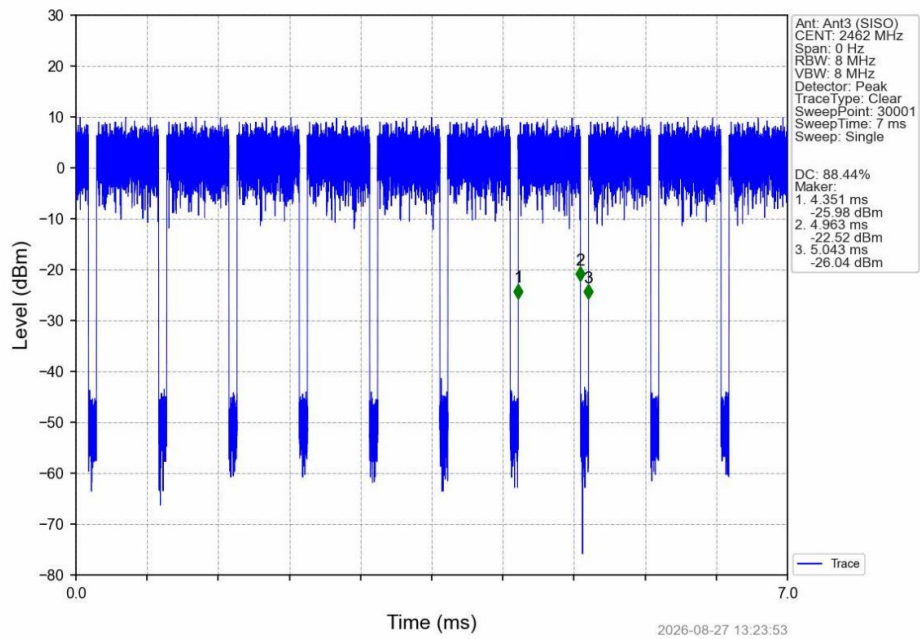
802.11n(HT20)\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV



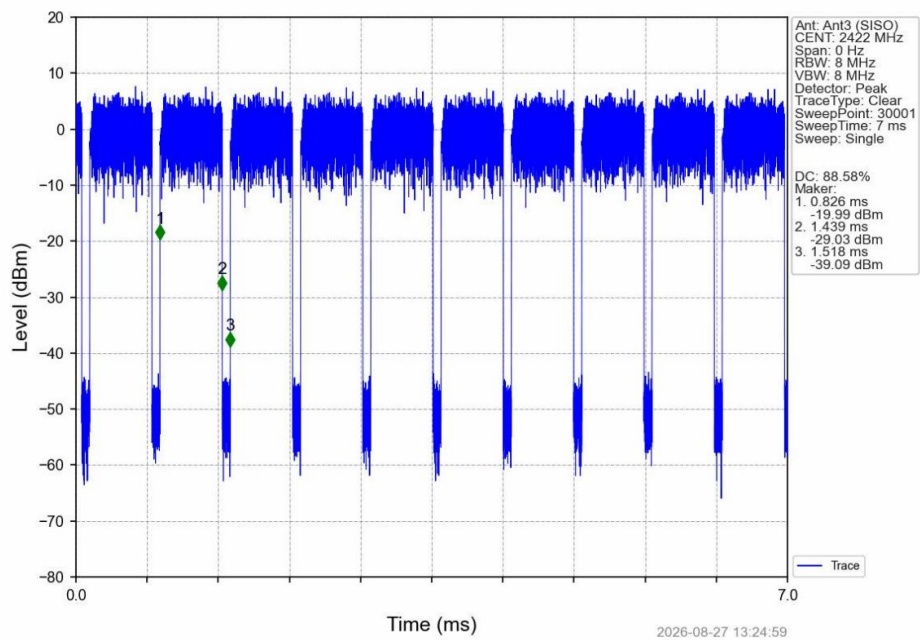
802.11n(HT20)\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV



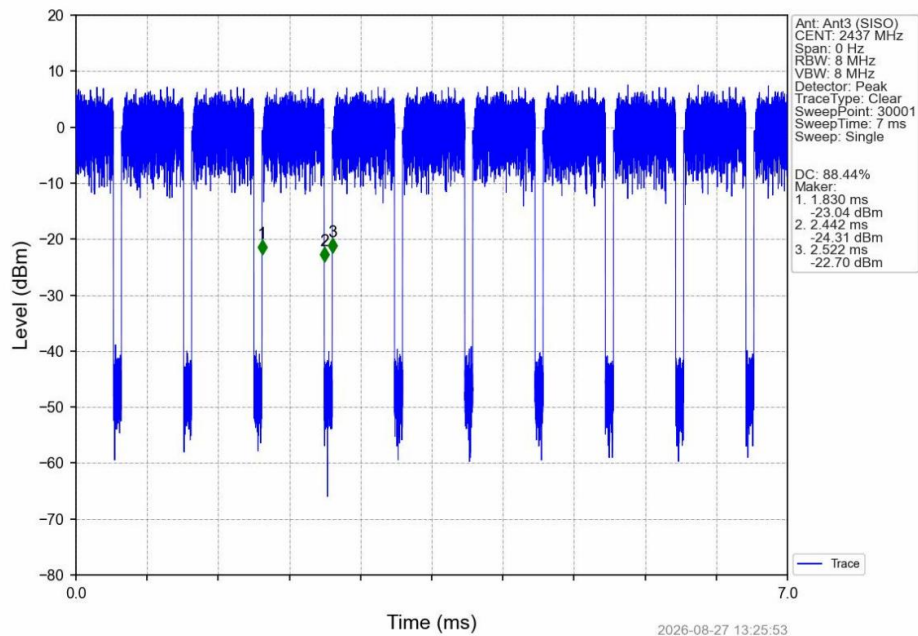
802.11n(HT20)\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV



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



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



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

