

## Appendix: Bluetooth Classic

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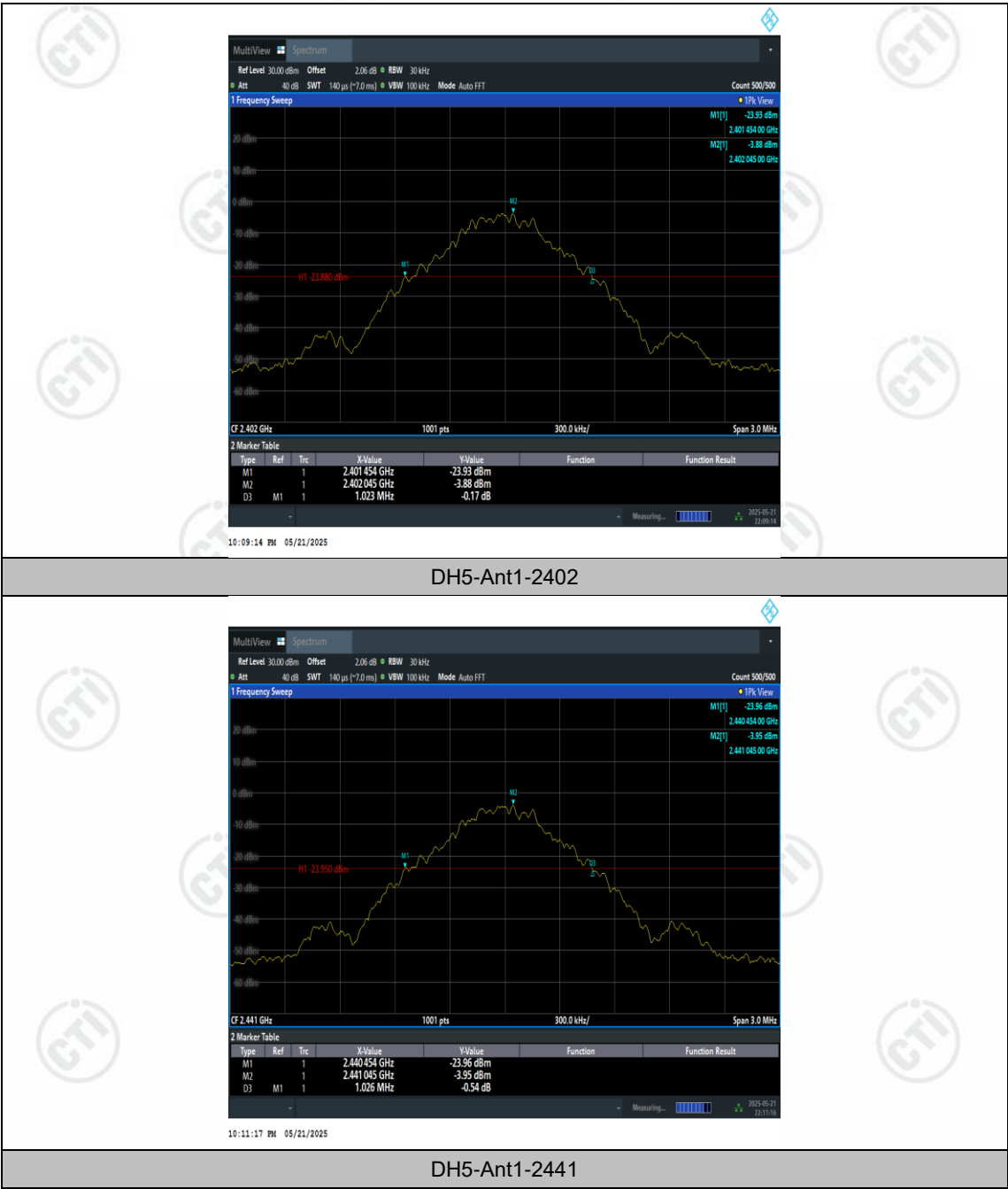
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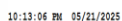
## Appendix A: 20dB Emission Bandwidth

### Test Result

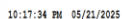
| TestMode | Antenna | Frequency[MHz] | 20db<br>EBW[MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|----------|---------|----------------|------------------|---------|---------|------------|---------|
| DH5      | Ant1    | 2402           | 1.02             | 2401.45 | 2402.48 | ---        | ---     |
| DH5      | Ant1    | 2441           | 1.03             | 2440.45 | 2441.48 | ---        | ---     |
| DH5      | Ant1    | 2480           | 0.98             | 2479.49 | 2480.48 | ---        | ---     |
| 2DH5     | Ant1    | 2402           | 1.35             | 2401.31 | 2402.66 | ---        | ---     |
| 2DH5     | Ant1    | 2441           | 1.34             | 2440.31 | 2441.65 | ---        | ---     |
| 2DH5     | Ant1    | 2480           | 1.34             | 2479.31 | 2480.65 | ---        | ---     |
| 3DH5     | Ant1    | 2402           | 1.35             | 2401.30 | 2402.66 | ---        | ---     |
| 3DH5     | Ant1    | 2441           | 1.35             | 2440.31 | 2441.65 | ---        | ---     |
| 3DH5     | Ant1    | 2480           | 1.35             | 2479.31 | 2480.65 | ---        | ---     |

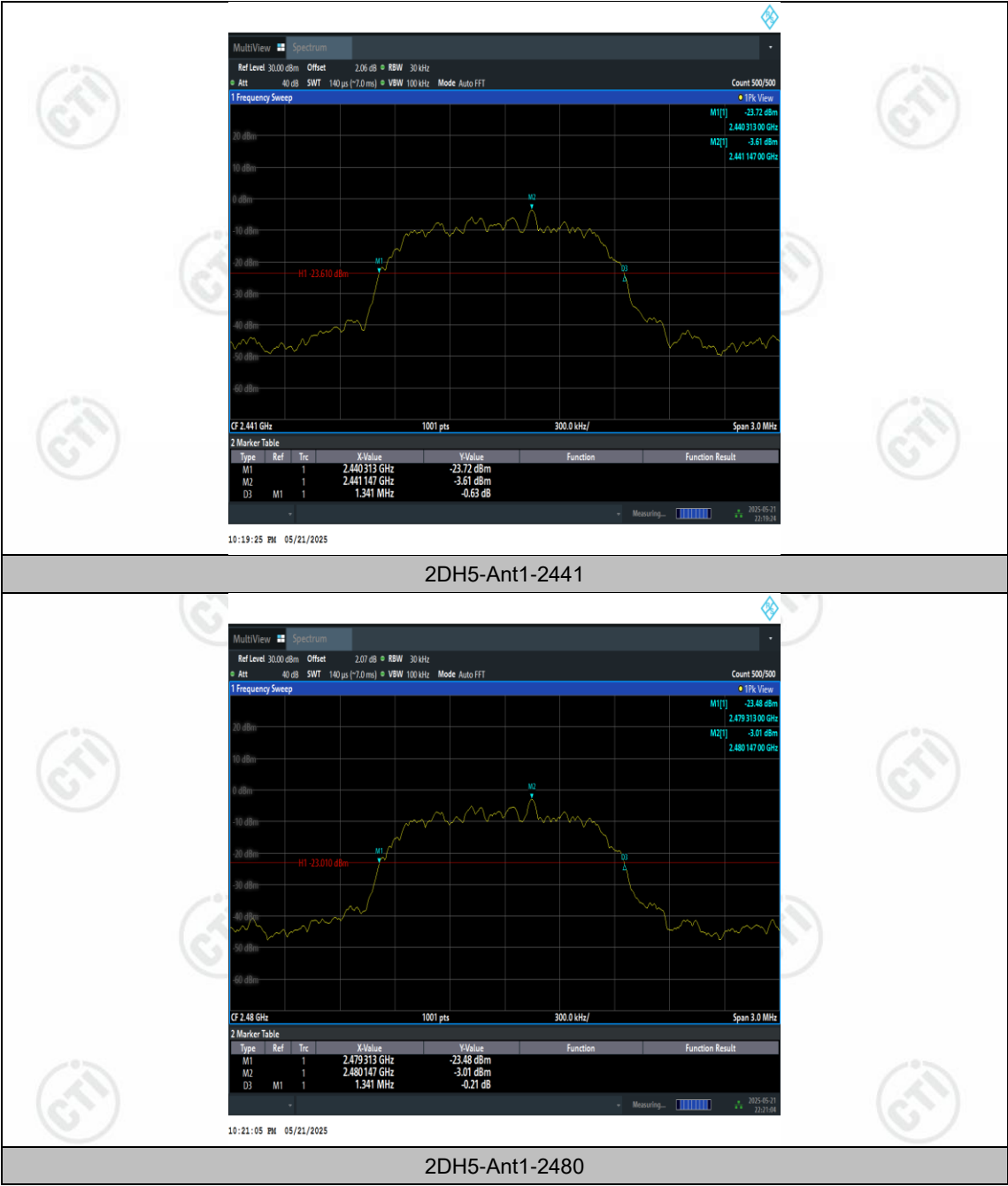
Test Graphs

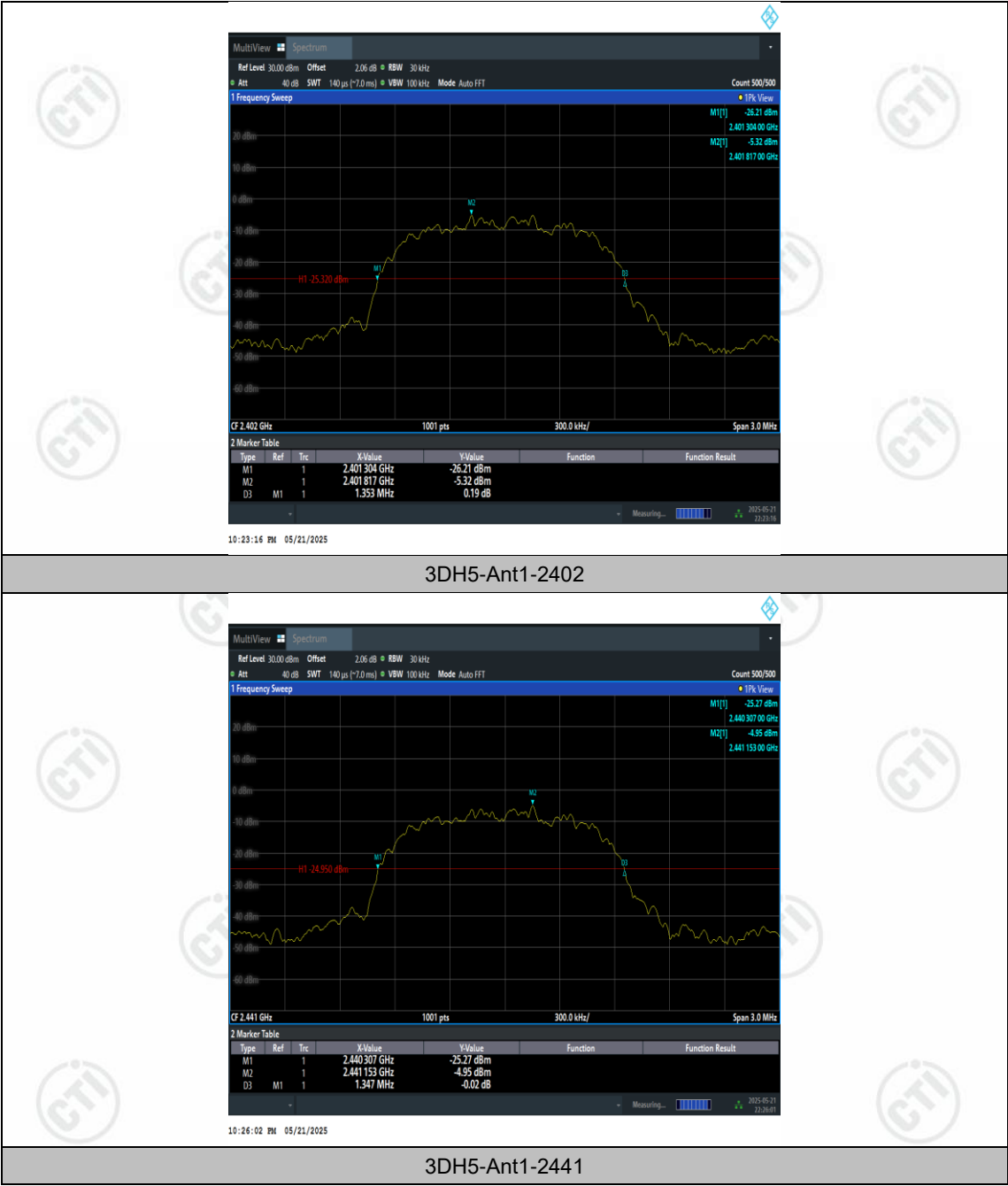




2DH5-Ant1-2402









## Appendix B: Occupied Channel Bandwidth

### Test Result

| TestMode | Antenna | Frequency [MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|----------|---------|-----------------|-----------|-----------|-----------|------------|---------|
| DH5      | Ant1    | 2402            | 0.904     | 2401.5351 | 2402.4394 | ---        | ---     |
| DH5      | Ant1    | 2441            | 0.905     | 2440.5342 | 2441.4396 | ---        | ---     |
| DH5      | Ant1    | 2480            | 0.908     | 2479.5331 | 2480.4406 | ---        | ---     |
| 2DH5     | Ant1    | 2402            | 1.203     | 2401.3851 | 2402.5880 | ---        | ---     |
| 2DH5     | Ant1    | 2441            | 1.204     | 2440.3846 | 2441.5888 | ---        | ---     |
| 2DH5     | Ant1    | 2480            | 1.2       | 2479.3859 | 2480.5863 | ---        | ---     |
| 3DH5     | Ant1    | 2402            | 1.203     | 2401.3831 | 2402.5860 | ---        | ---     |
| 3DH5     | Ant1    | 2441            | 1.203     | 2440.3826 | 2441.5855 | ---        | ---     |
| 3DH5     | Ant1    | 2480            | 1.205     | 2479.3817 | 2480.5866 | ---        | ---     |

Test Graphs









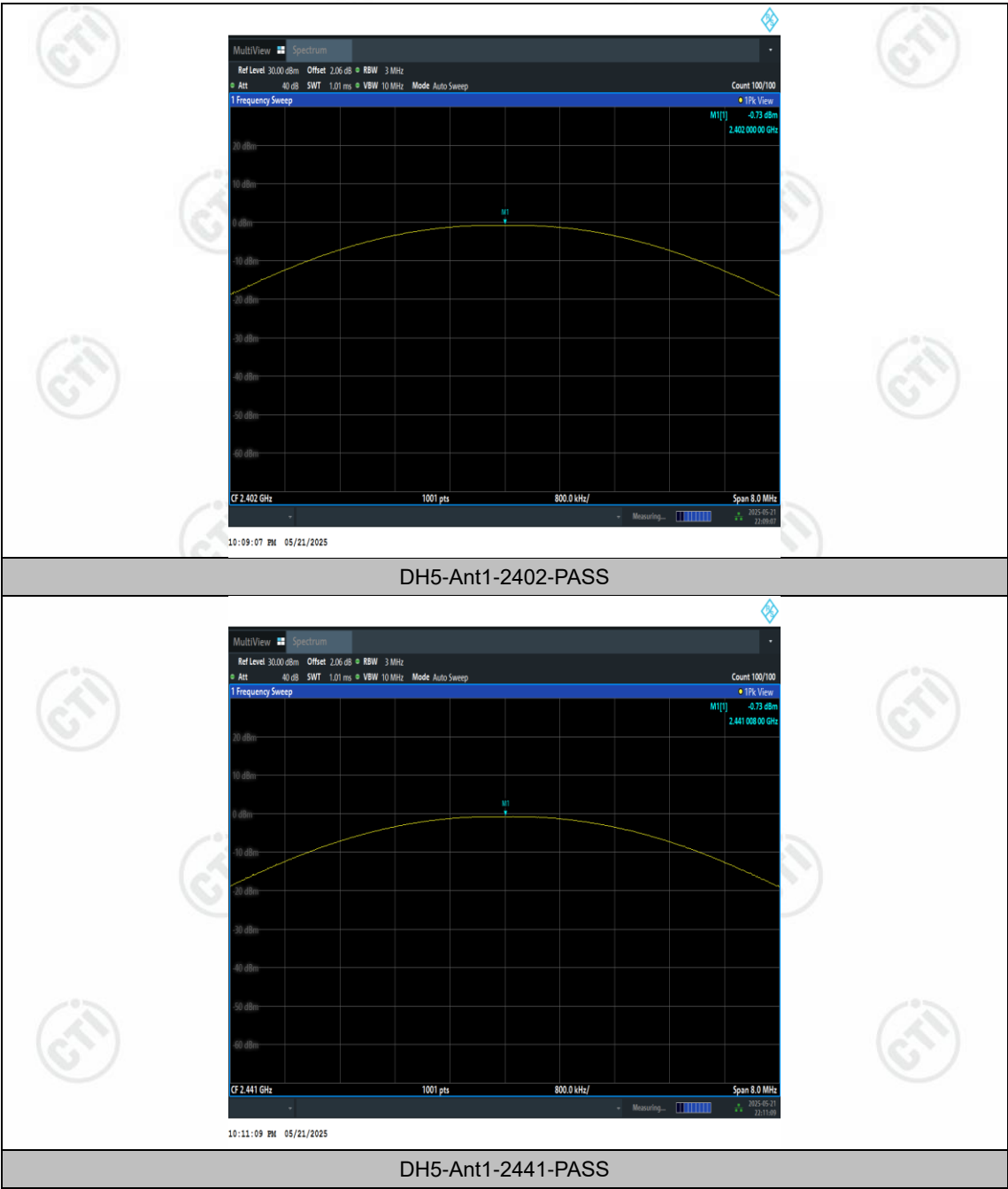


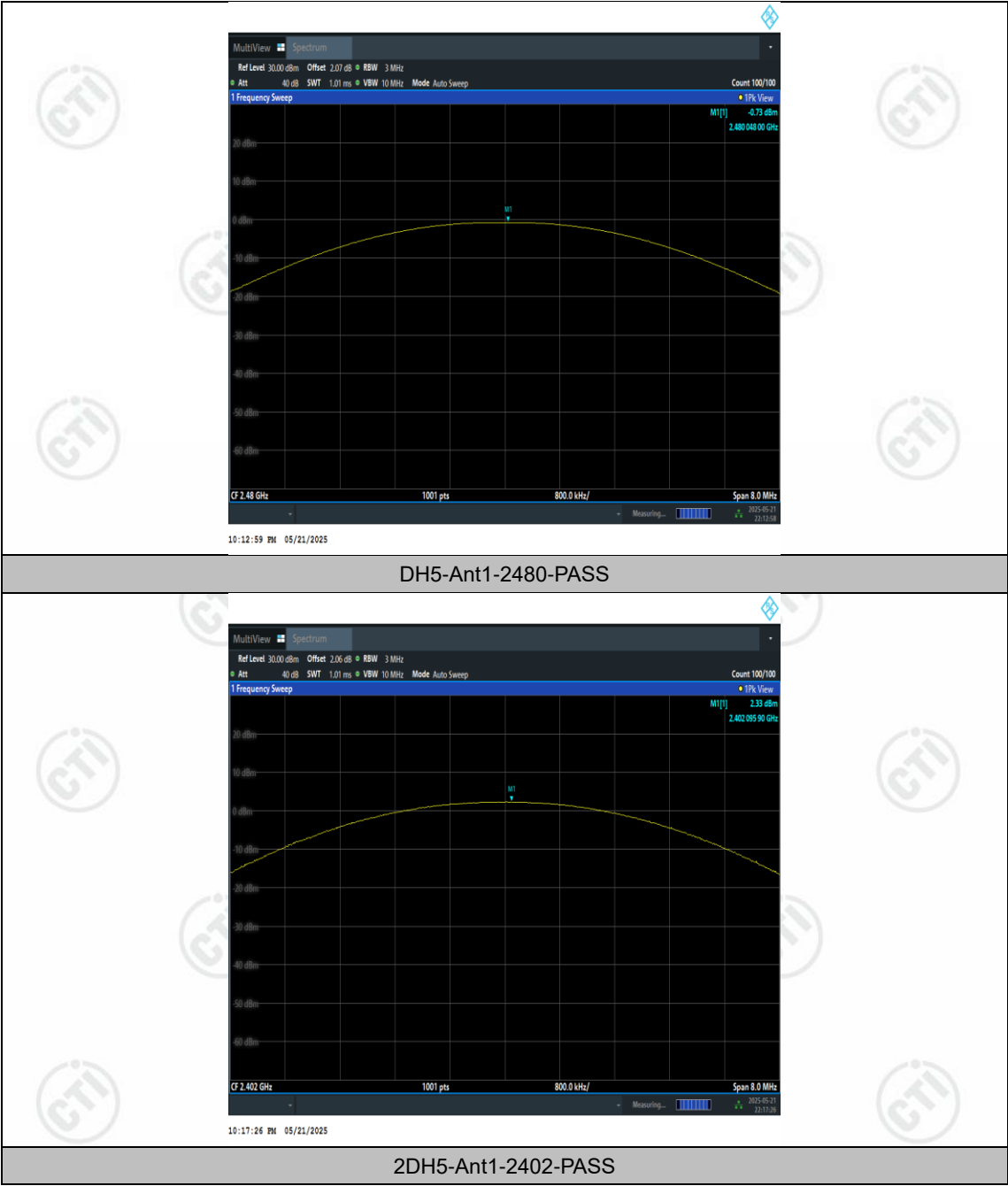
## Appendix C: Maximum conducted output power

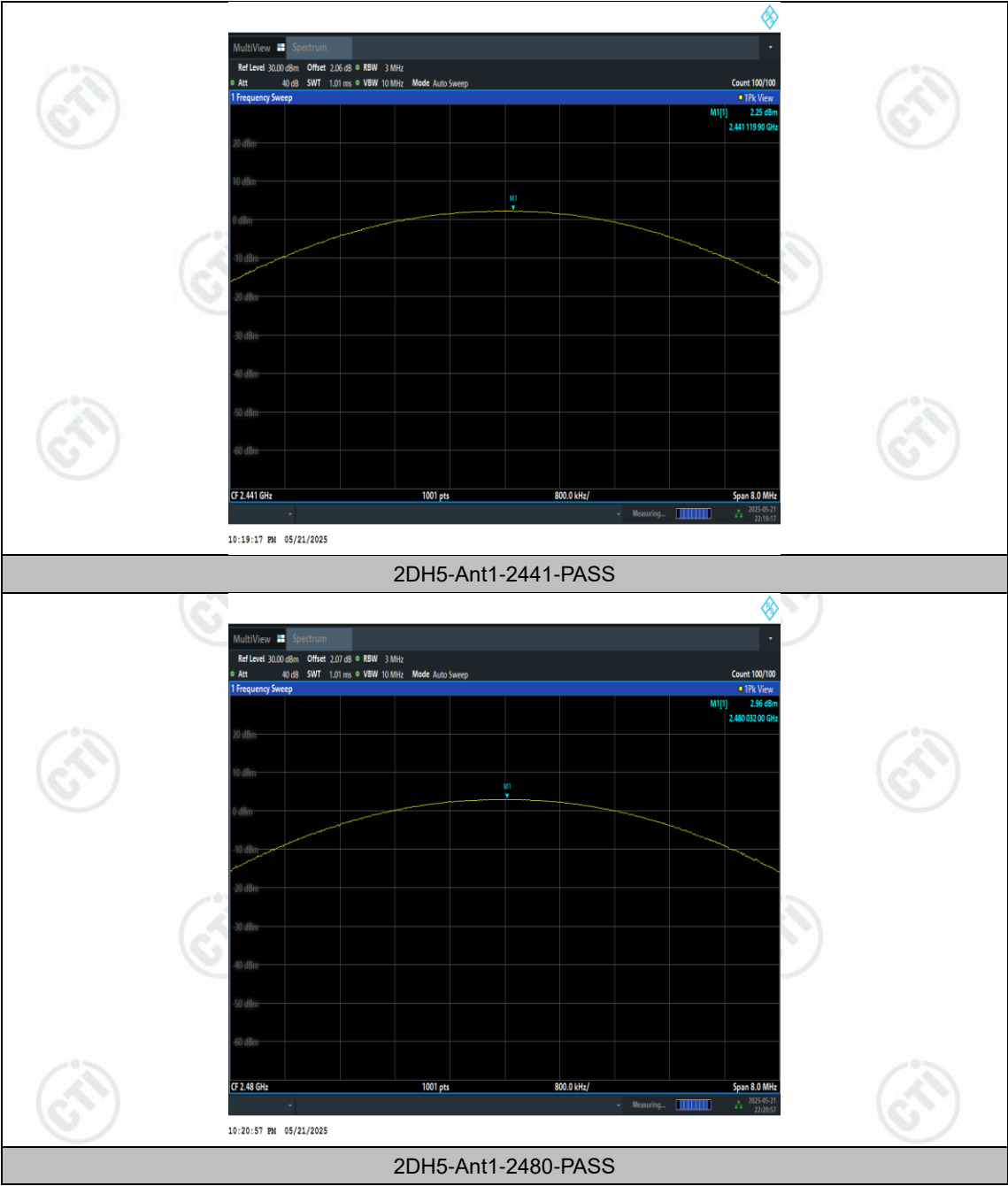
### Test Result Peak

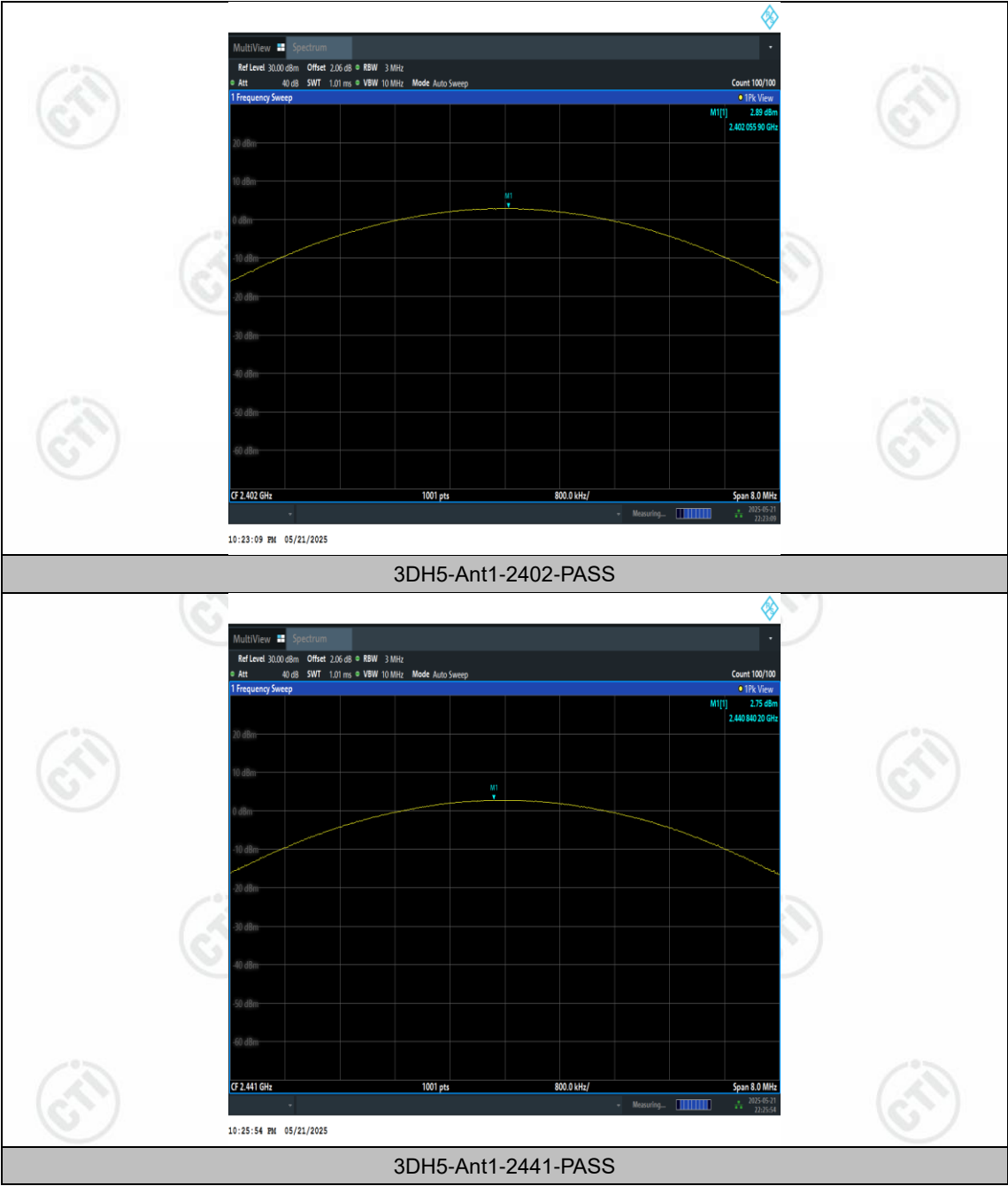
| Test Mode | Antenna | Frequency[MHz] | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|-----------|---------|----------------|---------------------------|----------------------|---------|
| DH5       | Ant1    | 2402           | -0.73                     | ≤30                  | PASS    |
| DH5       | Ant1    | 2441           | -0.73                     | ≤20.97               | PASS    |
| DH5       | Ant1    | 2480           | -0.73                     | ≤20.97               | PASS    |
| 2DH5      | Ant1    | 2402           | 2.33                      | ≤30                  | PASS    |
| 2DH5      | Ant1    | 2441           | 2.25                      | ≤20.97               | PASS    |
| 2DH5      | Ant1    | 2480           | 2.96                      | ≤20.97               | PASS    |
| 3DH5      | Ant1    | 2402           | 2.89                      | ≤30                  | PASS    |
| 3DH5      | Ant1    | 2441           | 2.75                      | ≤20.97               | PASS    |
| 3DH5      | Ant1    | 2480           | 3.60                      | ≤20.97               | PASS    |

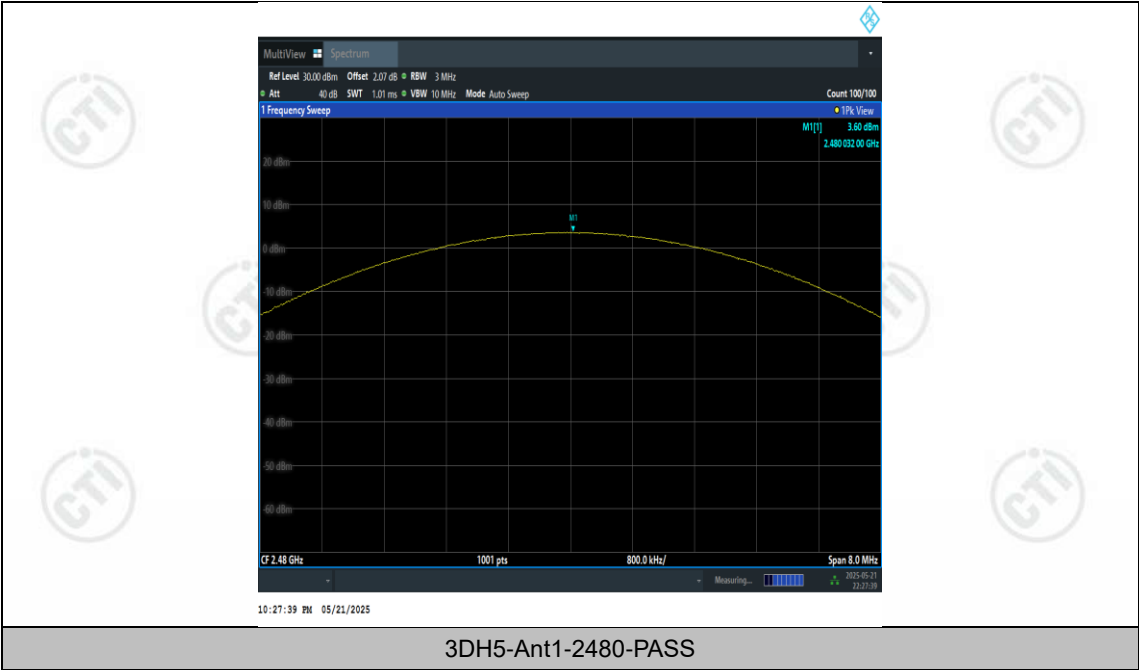
Test Graphs









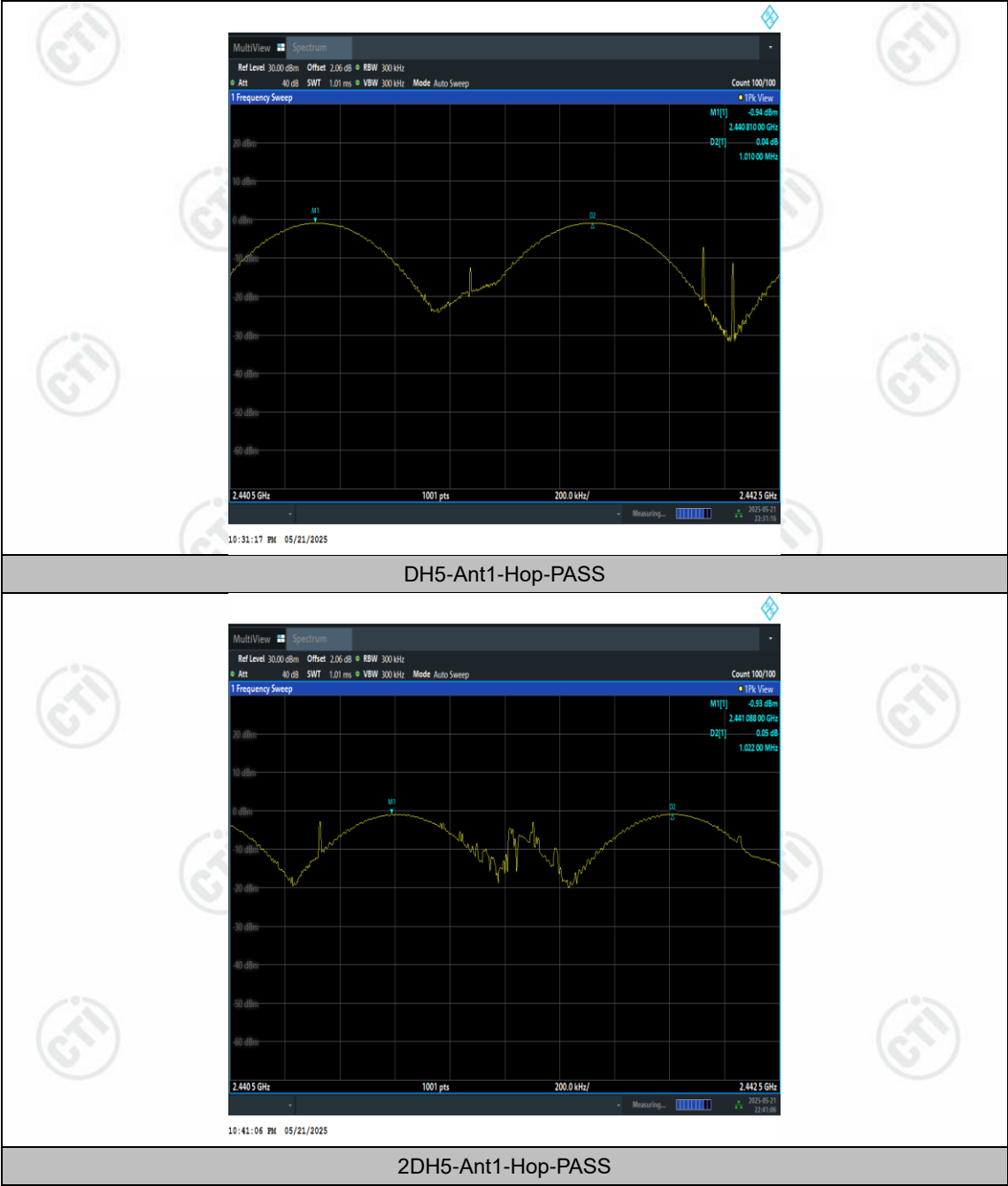


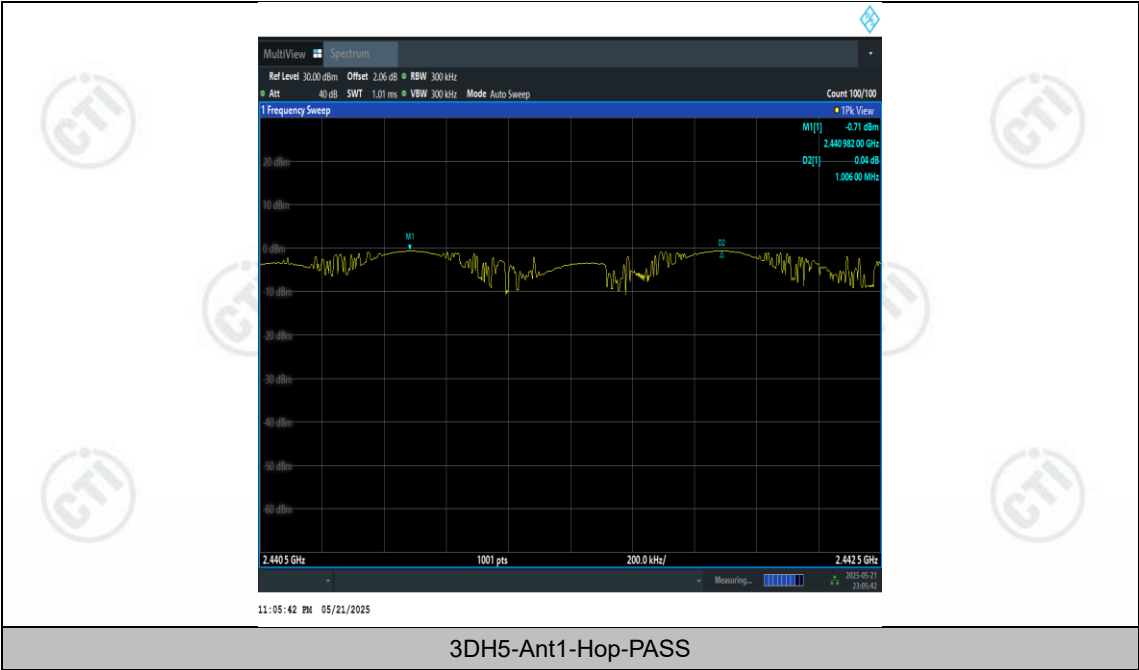
Appendix D: Carrier frequency separation

Test Result

| TestMode | Antenna | Frequency[MHz] | Result[MHz] | Limit[MHz] | Verdict |
|----------|---------|----------------|-------------|------------|---------|
| DH5      | Ant1    | Hop            | 1.01        | ≥0.687     | PASS    |
| 2DH5     | Ant1    | Hop            | 1.022       | ≥0.900     | PASS    |
| 3DH5     | Ant1    | Hop            | 1.006       | ≥0.900     | PASS    |

Test Graphs



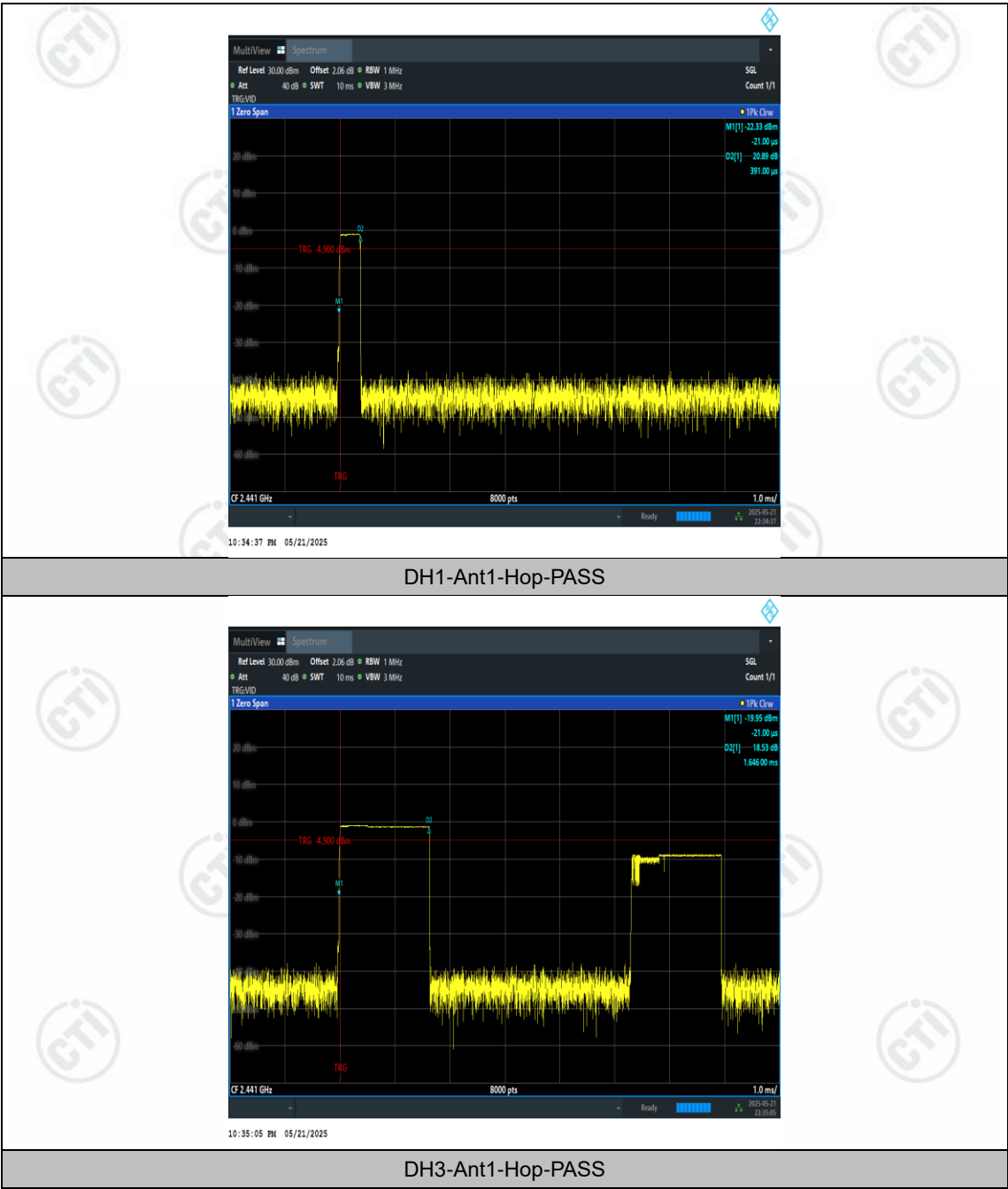


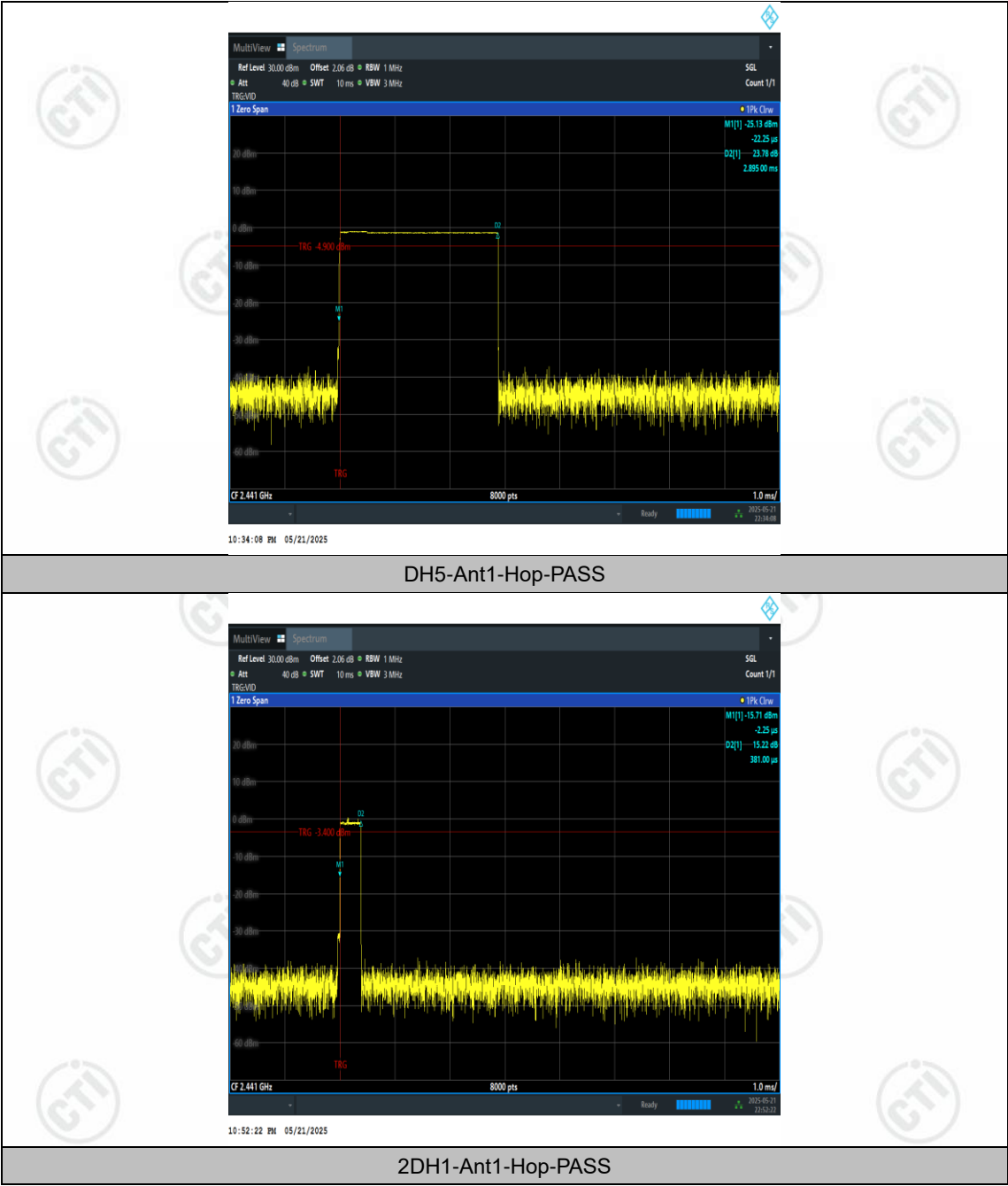
## Appendix E: Time of occupancy

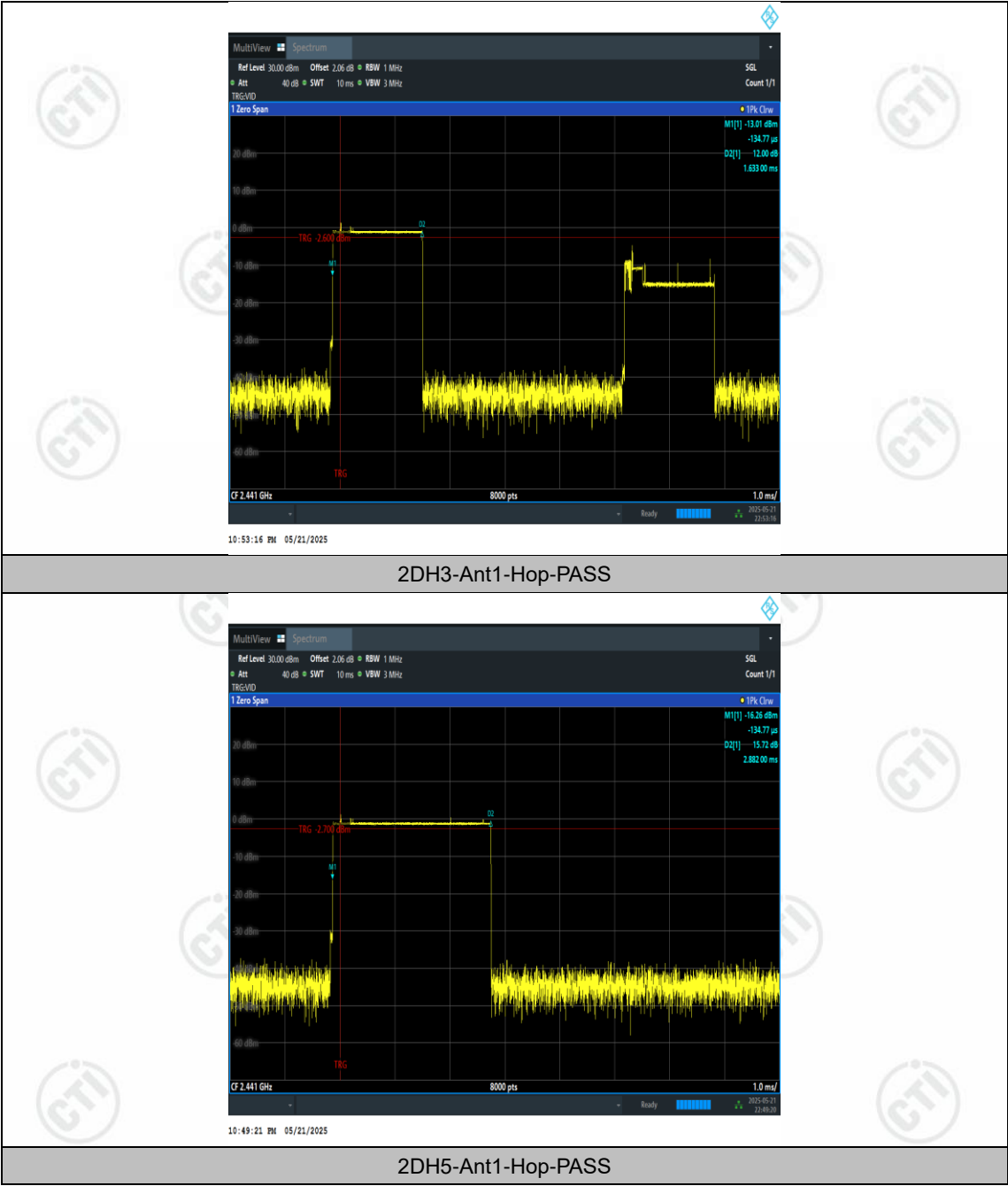
### Test Result

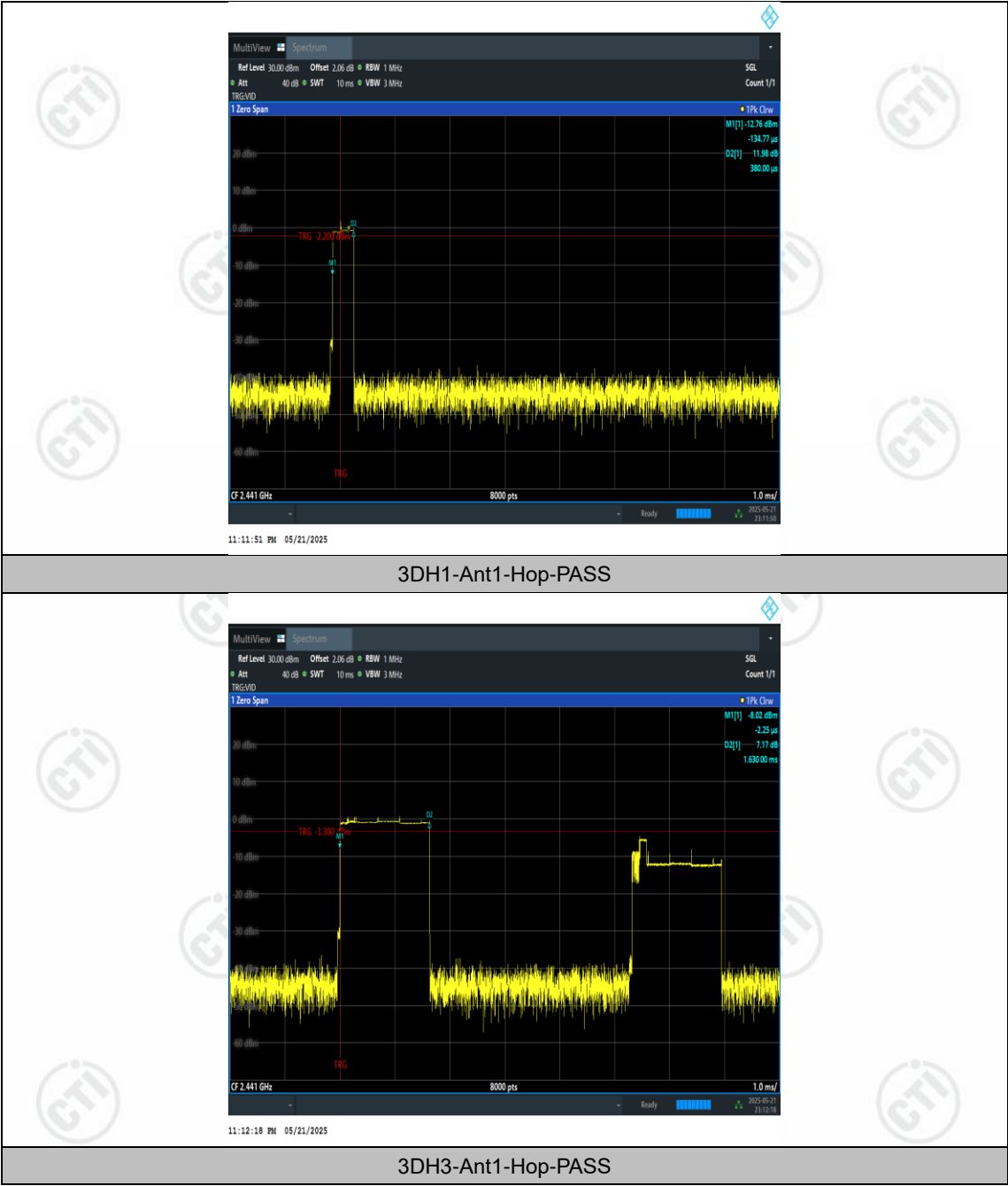
| TestMode | Antenna | Frequency[MHz] | BurstWidth<br>[ms] | TotalHops<br>[Num] | Result[s] | Limit[s] | Verdict |
|----------|---------|----------------|--------------------|--------------------|-----------|----------|---------|
| DH1      | Ant1    | Hop            | 0.391              | 320                | 0.125     | ≤0.4     | PASS    |
| DH3      | Ant1    | Hop            | 1.646              | 160                | 0.263     | ≤0.4     | PASS    |
| DH5      | Ant1    | Hop            | 2.895              | 106.67             | 0.309     | ≤0.4     | PASS    |
| 2DH1     | Ant1    | Hop            | 0.381              | 320                | 0.122     | ≤0.4     | PASS    |
| 2DH3     | Ant1    | Hop            | 1.633              | 160                | 0.261     | ≤0.4     | PASS    |
| 2DH5     | Ant1    | Hop            | 2.882              | 106.67             | 0.307     | ≤0.4     | PASS    |
| 3DH1     | Ant1    | Hop            | 0.380              | 320                | 0.122     | ≤0.4     | PASS    |
| 3DH3     | Ant1    | Hop            | 1.630              | 160                | 0.261     | ≤0.4     | PASS    |
| 3DH5     | Ant1    | Hop            | 2.883              | 106.67             | 0.308     | ≤0.4     | PASS    |

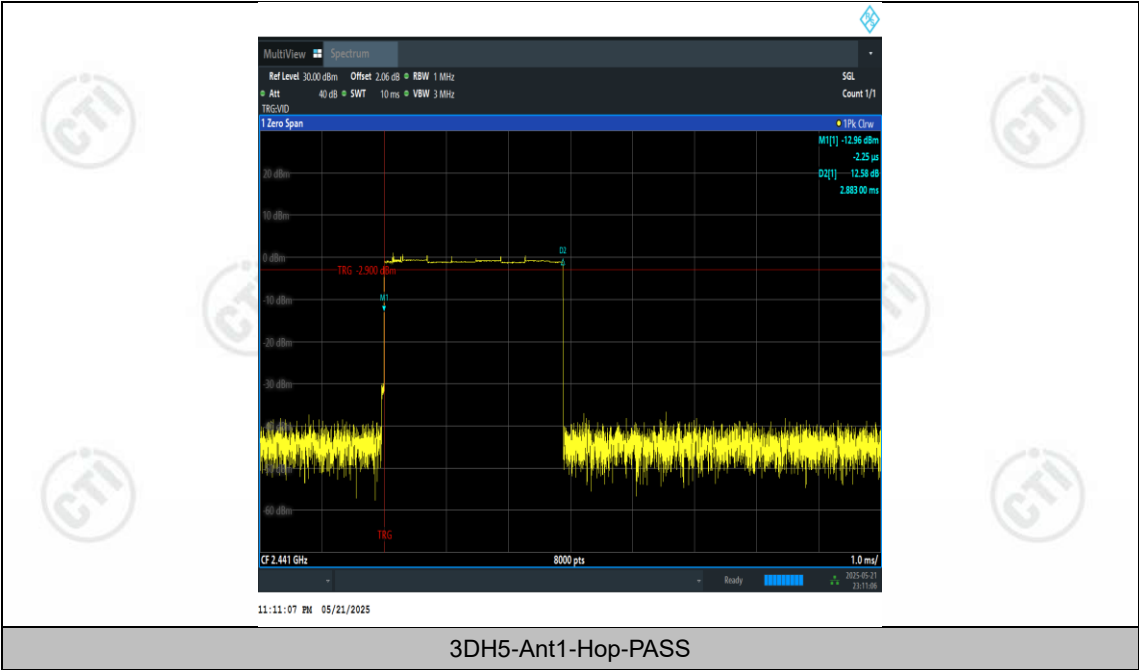
Test Graphs









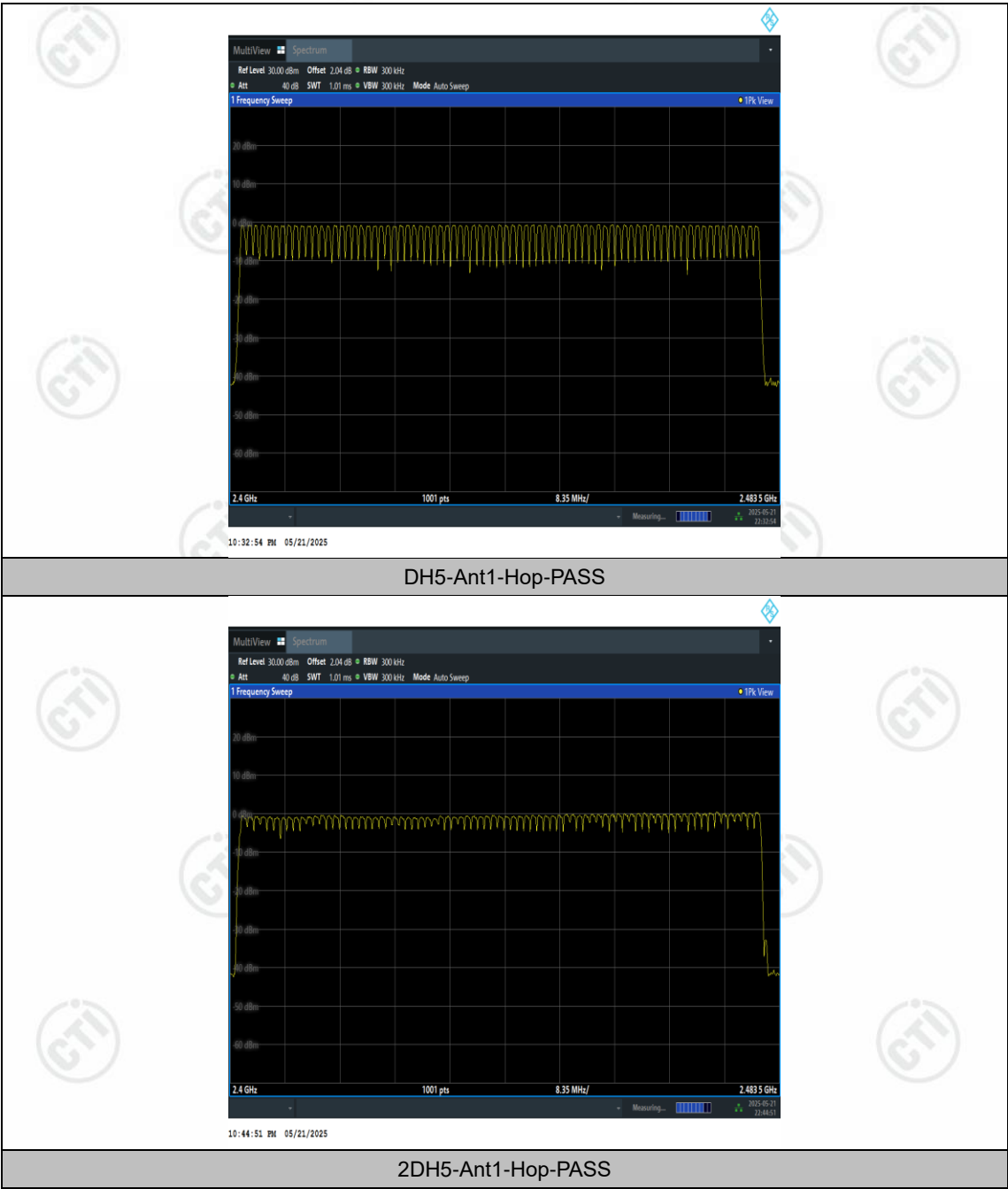


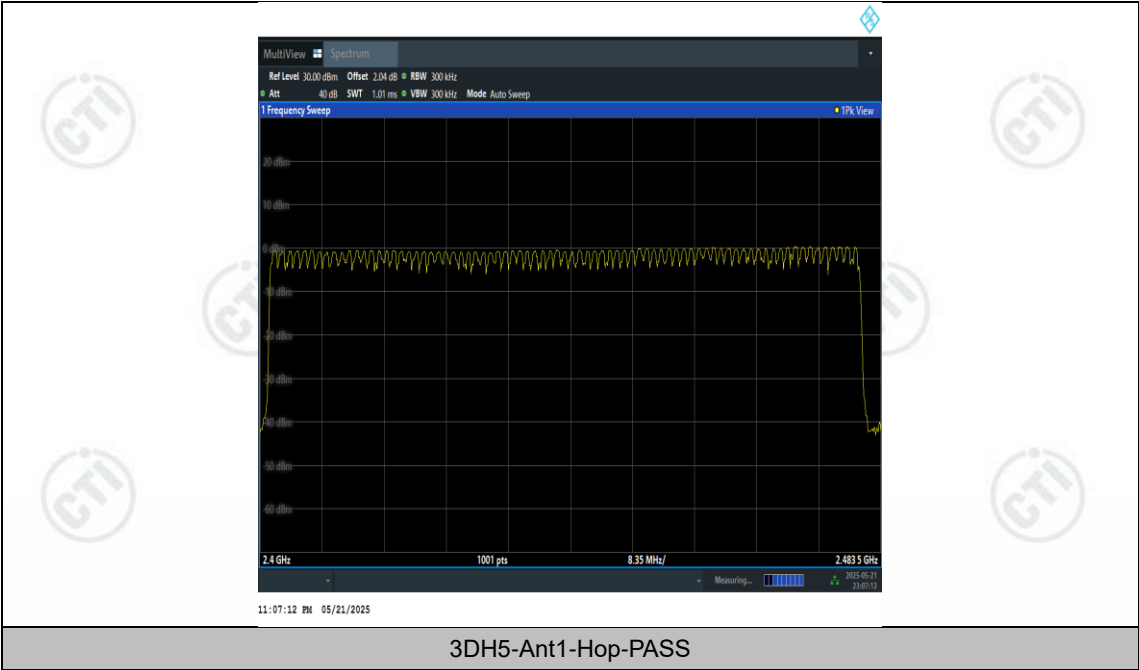
Appendix F: Number of hopping channels

Test Result

| TestMode | Antenna | Frequency[MHz] | Result[Num] | Limit[Num] | Verdict |
|----------|---------|----------------|-------------|------------|---------|
| DH5      | Ant1    | Hop            | 79          | ≥15        | PASS    |
| 2DH5     | Ant1    | Hop            | 79          | ≥15        | PASS    |
| 3DH5     | Ant1    | Hop            | 79          | ≥15        | PASS    |

Test Graphs



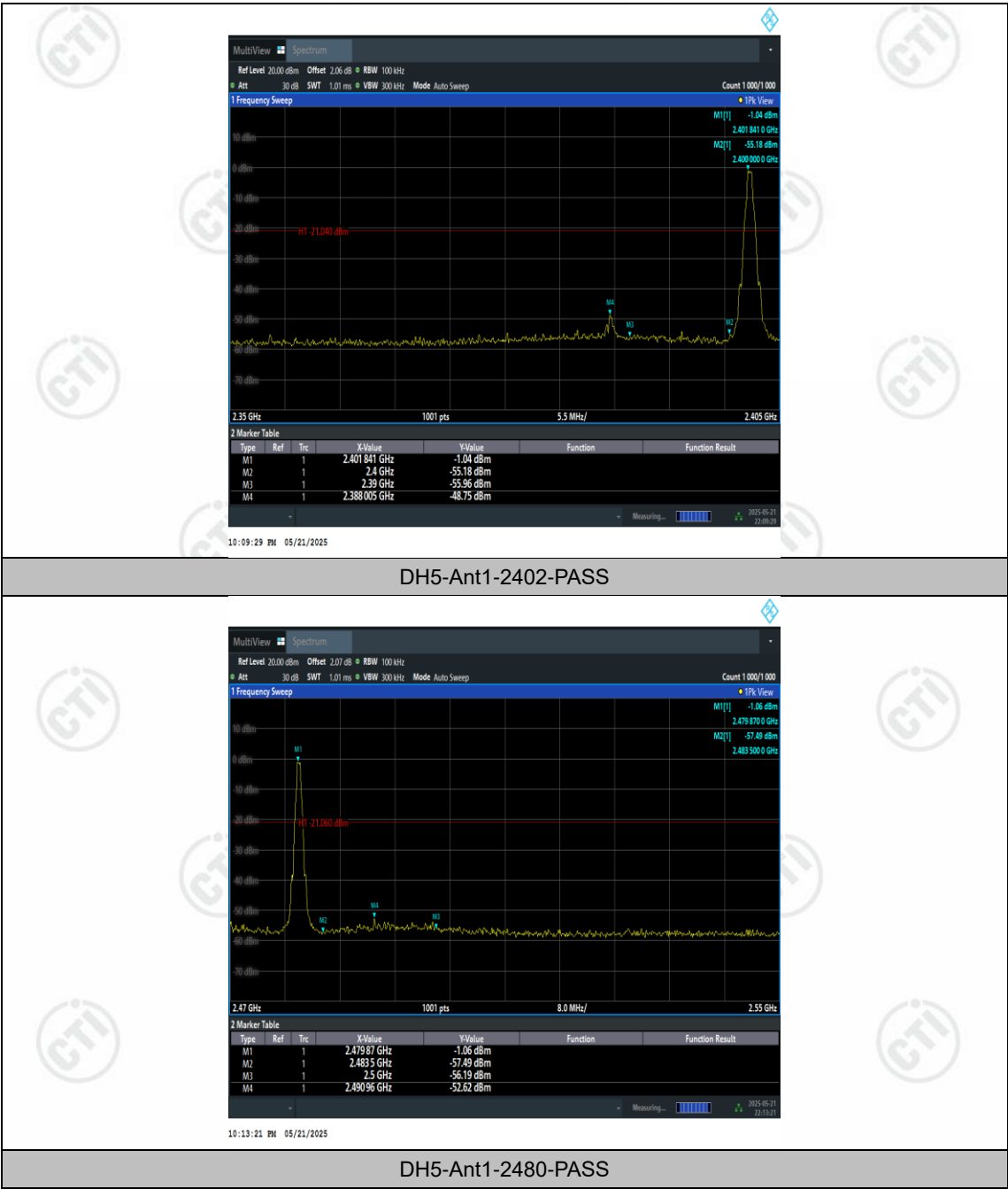


3DH5-Ant1-Hop-PASS

**Appendix G: Band edge measurements****Test Result**

| TestMode | Antenna | ChName | Frequency[MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm]   | Verdict |
|----------|---------|--------|----------------|----------------|--------------|---------------|---------|
| DH5      | Ant1    | Low    | 2402           | -1.04          | -48.75       | $\leq -21.04$ | PASS    |
| DH5      | Ant1    | High   | 2480           | -1.06          | -52.62       | $\leq -21.06$ | PASS    |
| DH5      | Ant1    | Low    | Hop_2402       | -0.93          | -51.86       | $\leq -20.93$ | PASS    |
| DH5      | Ant1    | High   | Hop_2480       | -1.03          | -51.65       | $\leq -21.03$ | PASS    |
| 2DH5     | Ant1    | Low    | 2402           | -0.76          | -50.06       | $\leq -20.76$ | PASS    |
| 2DH5     | Ant1    | High   | 2480           | -0.21          | -55.4        | $\leq -20.21$ | PASS    |
| 2DH5     | Ant1    | Low    | Hop_2402       | -1.14          | -53.96       | $\leq -21.14$ | PASS    |
| 2DH5     | Ant1    | High   | Hop_2480       | -0.07          | -54.07       | $\leq -20.07$ | PASS    |
| 3DH5     | Ant1    | Low    | 2402           | -0.73          | -50.09       | $\leq -20.73$ | PASS    |
| 3DH5     | Ant1    | High   | 2480           | -0.59          | -55          | $\leq -20.59$ | PASS    |
| 3DH5     | Ant1    | Low    | Hop_2402       | -0.82          | -54.64       | $\leq -20.82$ | PASS    |
| 3DH5     | Ant1    | High   | Hop_2480       | 0.21           | -54.86       | $\leq -19.79$ | PASS    |

Test Graphs











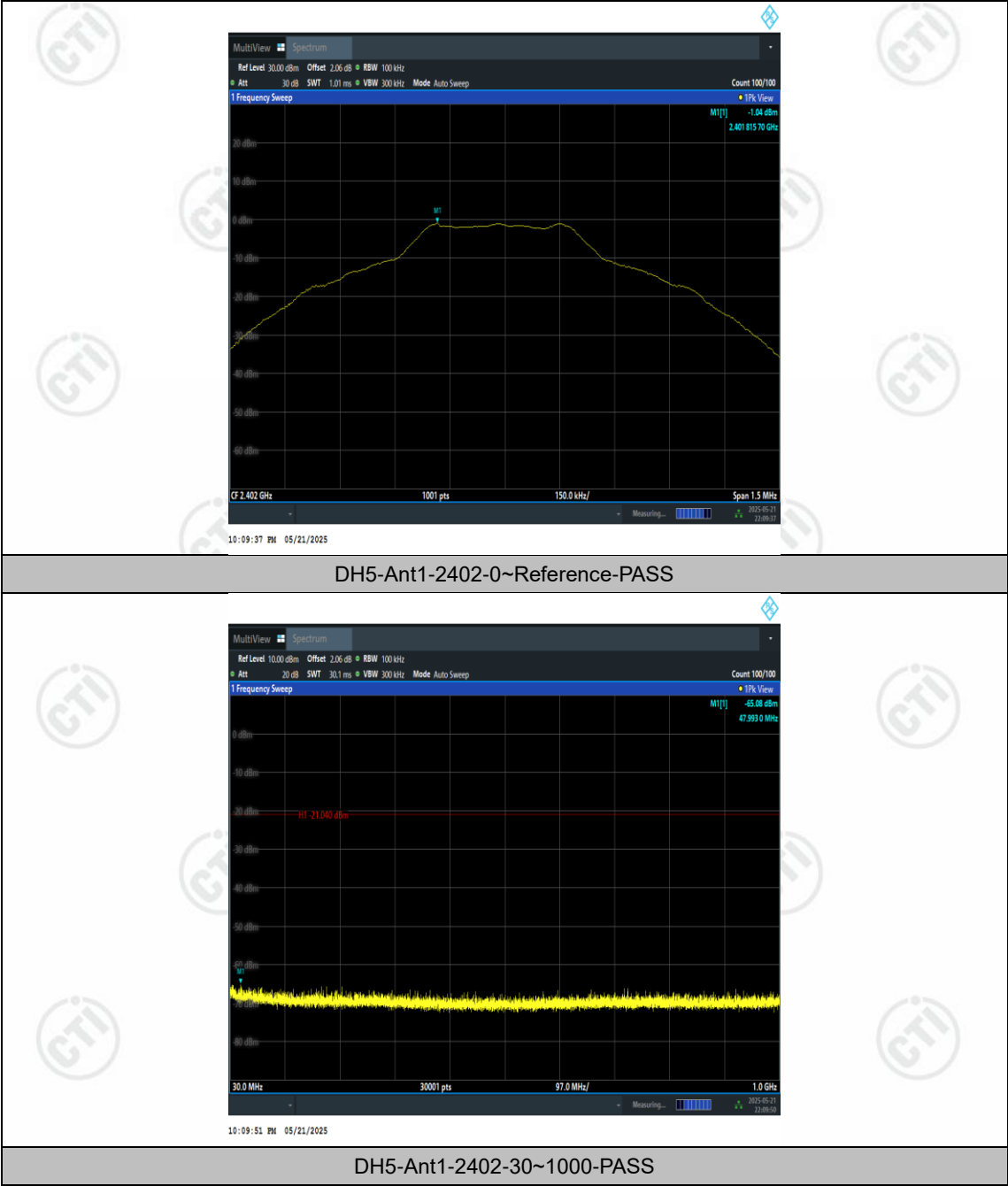


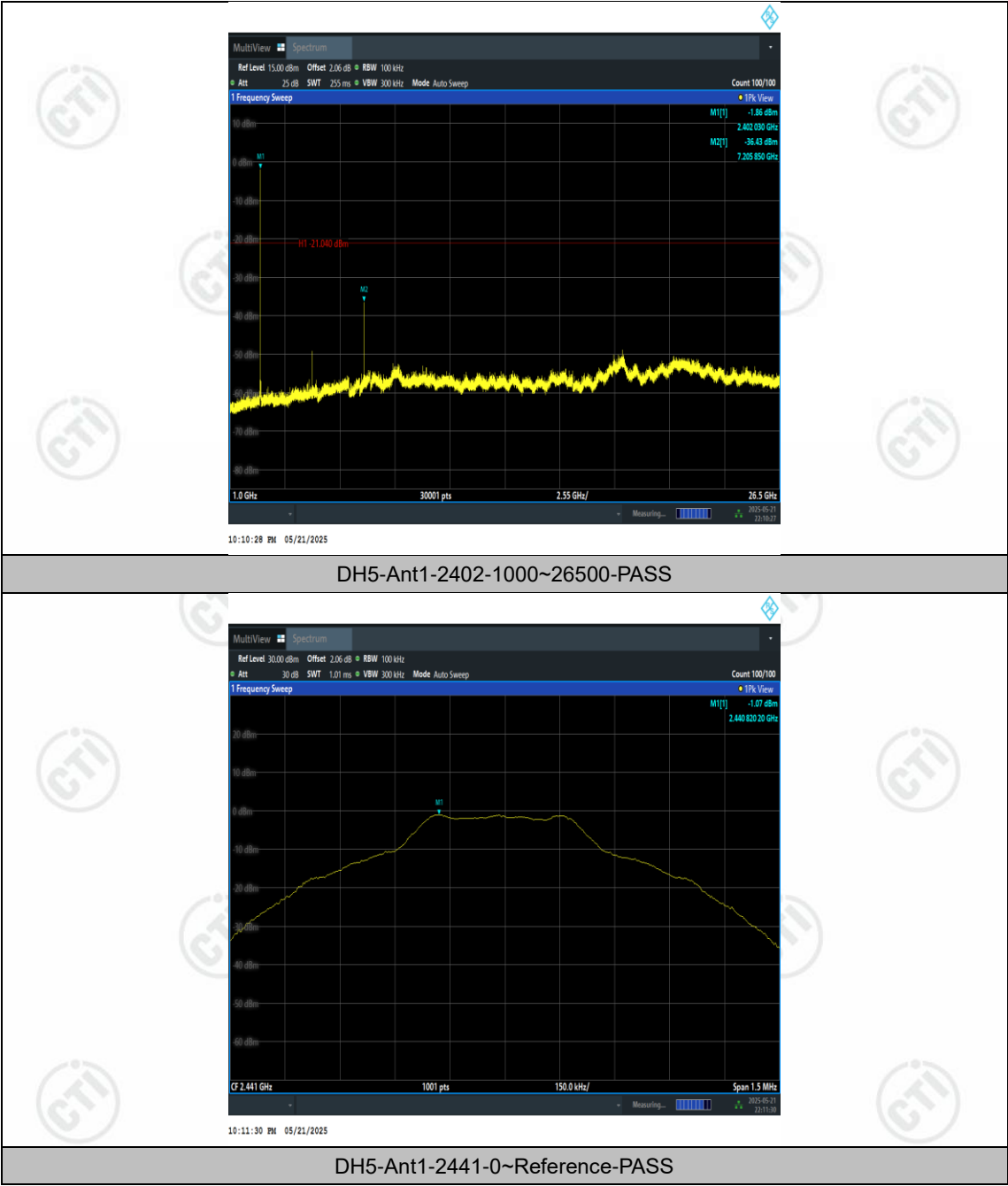
## Appendix H: Conducted Spurious Emission

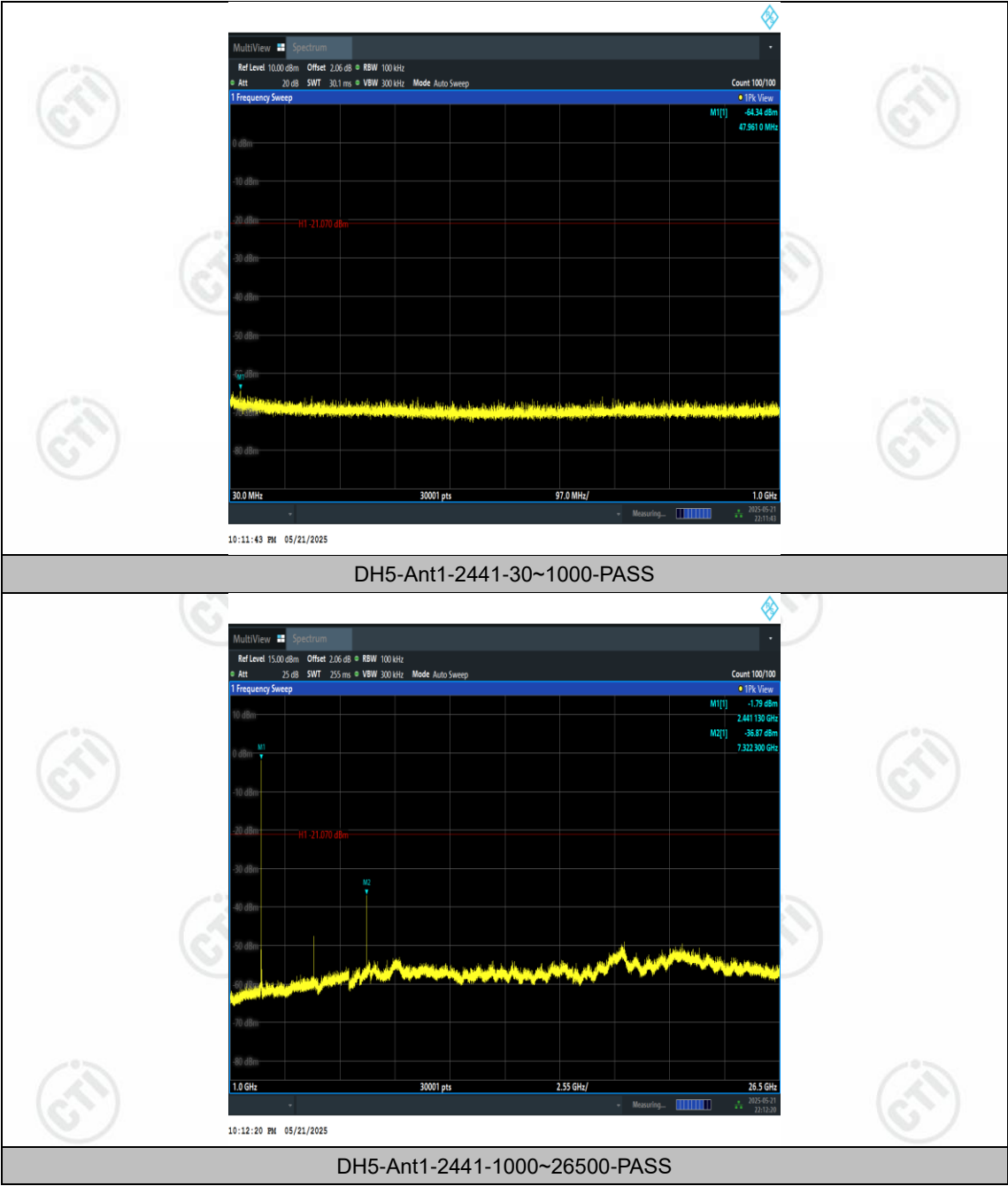
### Test Result

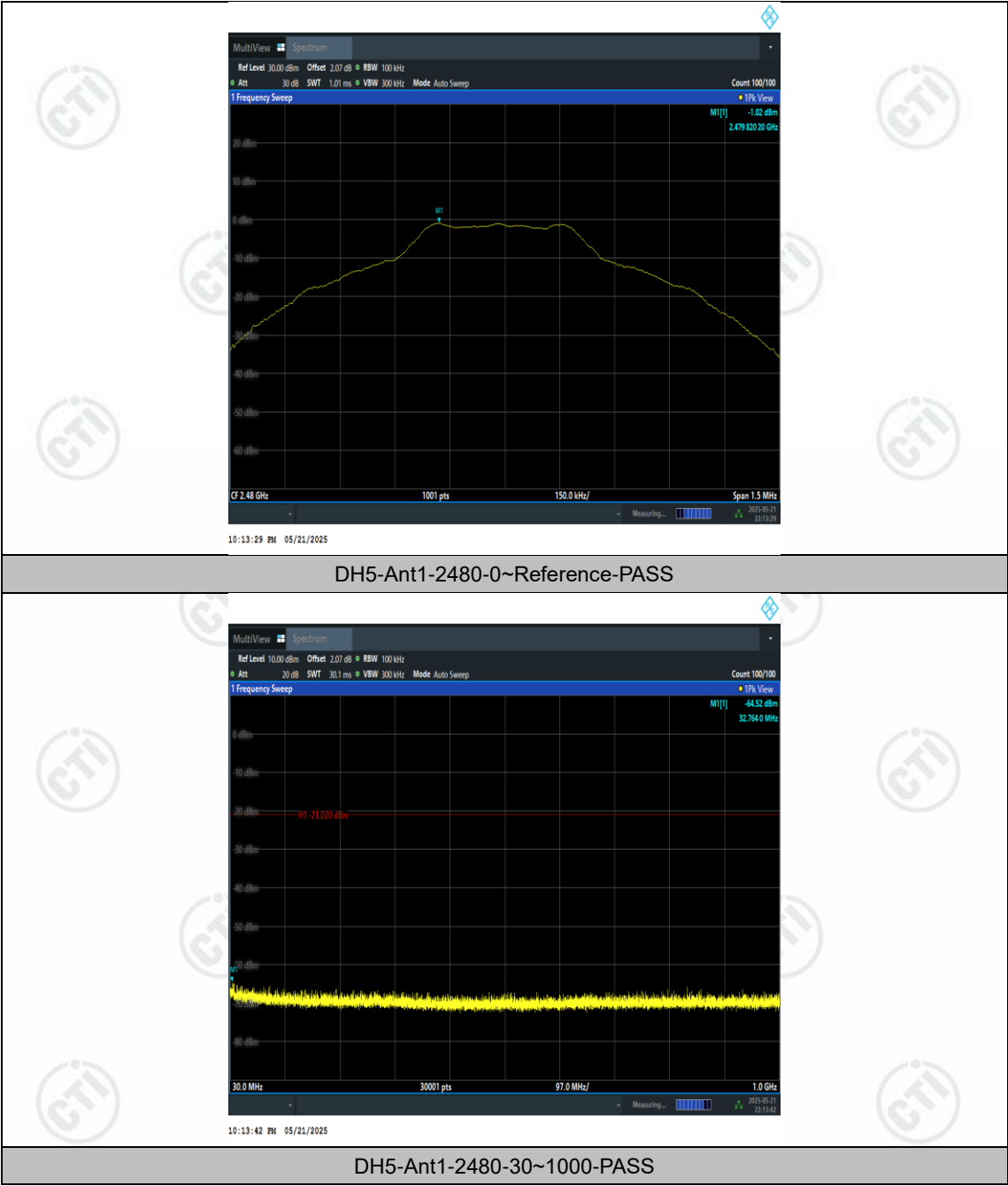
| TestMode | Antenna | Frequency[MHz] | FreqRange [MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|----------------|-----------------|----------------|--------------|-------------|---------|
| DH5      | Ant1    | 2402           | 0~Reference     | -1.04          | -1.04        | ---         | PASS    |
| DH5      | Ant1    | 2402           | 30~1000         | -1.04          | -65.08       | ≤-21.04     | PASS    |
| DH5      | Ant1    | 2402           | 1000~26500      | -1.04          | -36.43       | ≤-21.04     | PASS    |
| DH5      | Ant1    | 2441           | 0~Reference     | -1.07          | -1.07        | ---         | PASS    |
| DH5      | Ant1    | 2441           | 30~1000         | -1.07          | -64.34       | ≤-21.07     | PASS    |
| DH5      | Ant1    | 2441           | 1000~26500      | -1.07          | -36.87       | ≤-21.07     | PASS    |
| DH5      | Ant1    | 2480           | 0~Reference     | -1.02          | -1.02        | ---         | PASS    |
| DH5      | Ant1    | 2480           | 30~1000         | -1.02          | -64.52       | ≤-21.02     | PASS    |
| DH5      | Ant1    | 2480           | 1000~26500      | -1.02          | -37.92       | ≤-21.02     | PASS    |
| 2DH5     | Ant1    | 2402           | 0~Reference     | -0.75          | -0.75        | ---         | PASS    |
| 2DH5     | Ant1    | 2402           | 30~1000         | -0.75          | -65.22       | ≤-20.75     | PASS    |
| 2DH5     | Ant1    | 2402           | 1000~26500      | -0.75          | -50.03       | ≤-20.75     | PASS    |
| 2DH5     | Ant1    | 2441           | 0~Reference     | -0.83          | -0.83        | ---         | PASS    |
| 2DH5     | Ant1    | 2441           | 30~1000         | -0.83          | -64.49       | ≤-20.83     | PASS    |
| 2DH5     | Ant1    | 2441           | 1000~26500      | -0.83          | -48.61       | ≤-20.83     | PASS    |
| 2DH5     | Ant1    | 2480           | 0~Reference     | -0.13          | -0.13        | ---         | PASS    |
| 2DH5     | Ant1    | 2480           | 30~1000         | -0.13          | -65.02       | ≤-20.13     | PASS    |
| 2DH5     | Ant1    | 2480           | 1000~26500      | -0.13          | -49.58       | ≤-20.13     | PASS    |
| 3DH5     | Ant1    | 2402           | 0~Reference     | -0.73          | -0.73        | ---         | PASS    |
| 3DH5     | Ant1    | 2402           | 30~1000         | -0.73          | -63.28       | ≤-20.73     | PASS    |
| 3DH5     | Ant1    | 2402           | 1000~26500      | -0.73          | -49.7        | ≤-20.73     | PASS    |
| 3DH5     | Ant1    | 2441           | 0~Reference     | -0.84          | -0.84        | ---         | PASS    |
| 3DH5     | Ant1    | 2441           | 30~1000         | -0.84          | -61.67       | ≤-20.84     | PASS    |
| 3DH5     | Ant1    | 2441           | 1000~26500      | -0.84          | -49.62       | ≤-20.84     | PASS    |
| 3DH5     | Ant1    | 2480           | 0~Reference     | -0.10          | -0.10        | ---         | PASS    |
| 3DH5     | Ant1    | 2480           | 30~1000         | -0.10          | -64.6        | ≤-20.1      | PASS    |
| 3DH5     | Ant1    | 2480           | 1000~26500      | -0.10          | -48.97       | ≤-20.1      | PASS    |

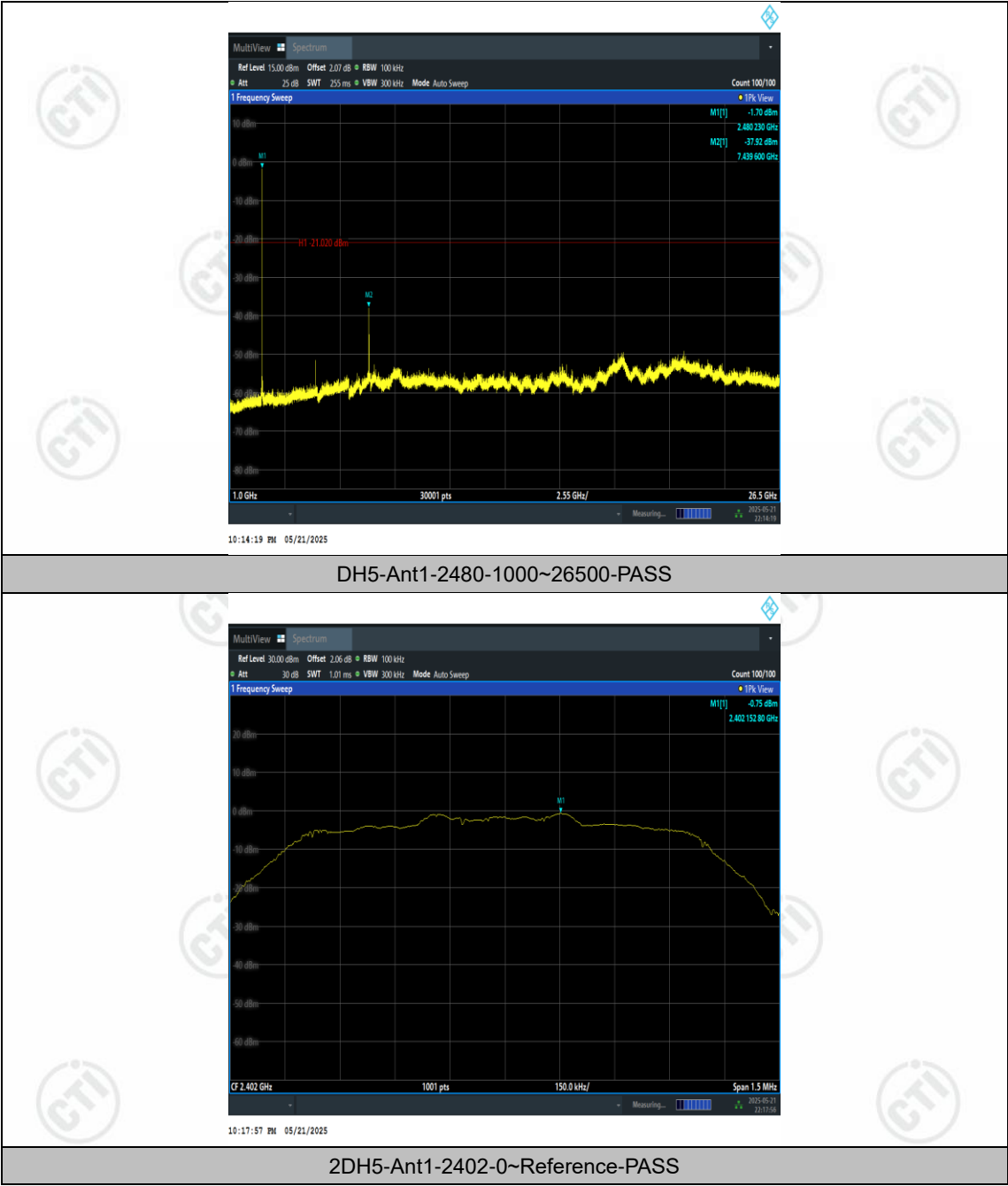
Test Graphs

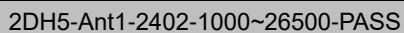
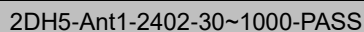


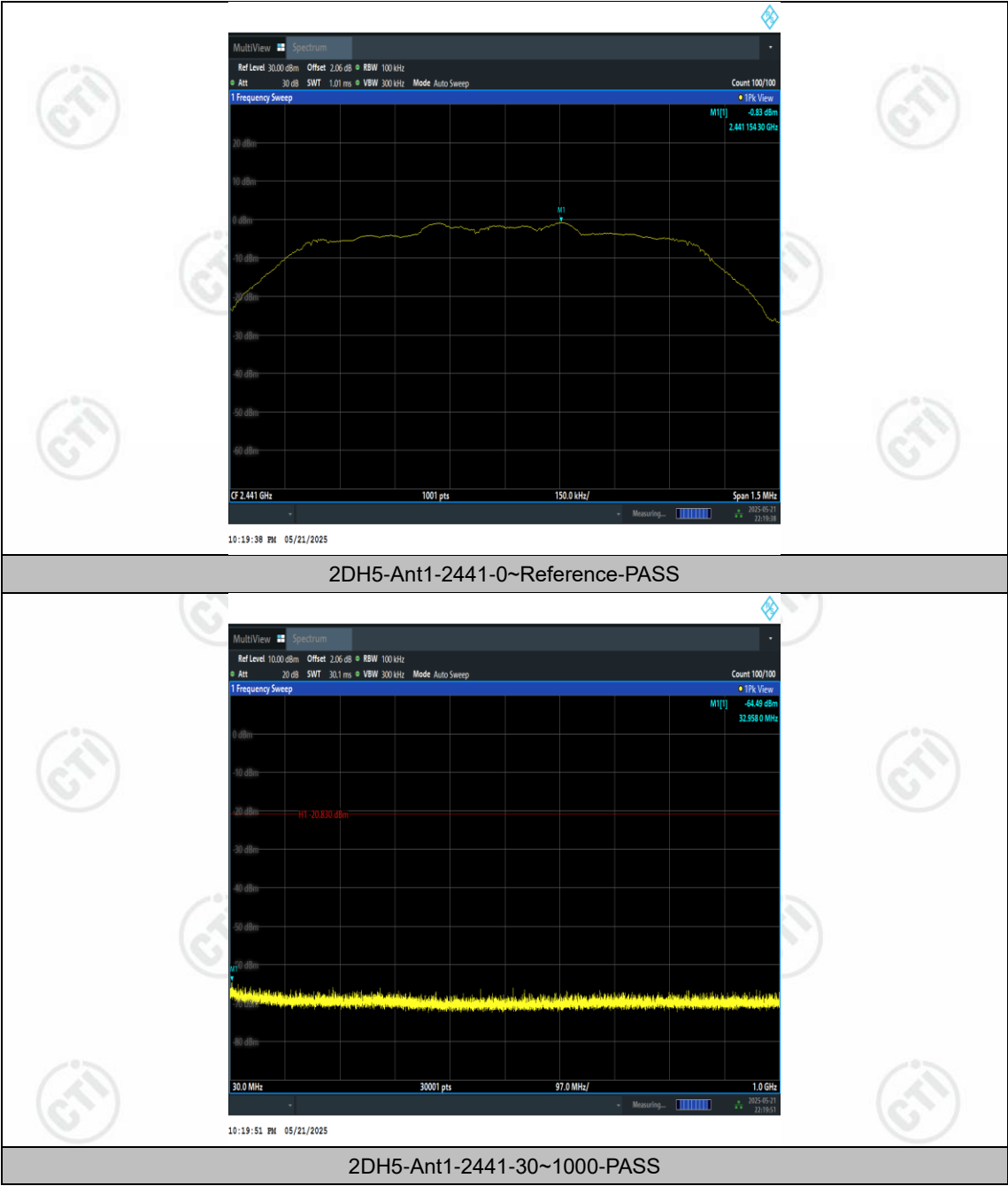


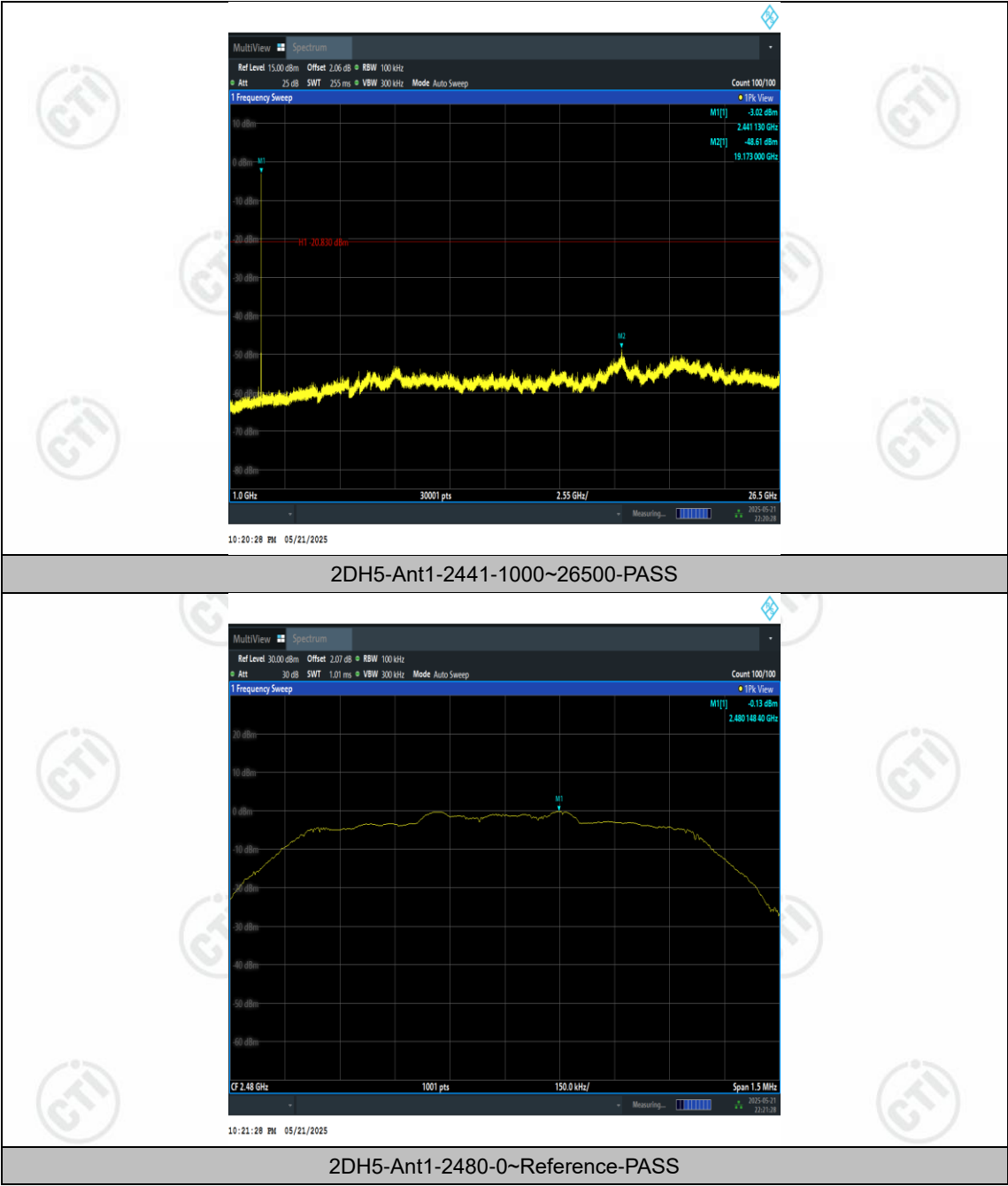


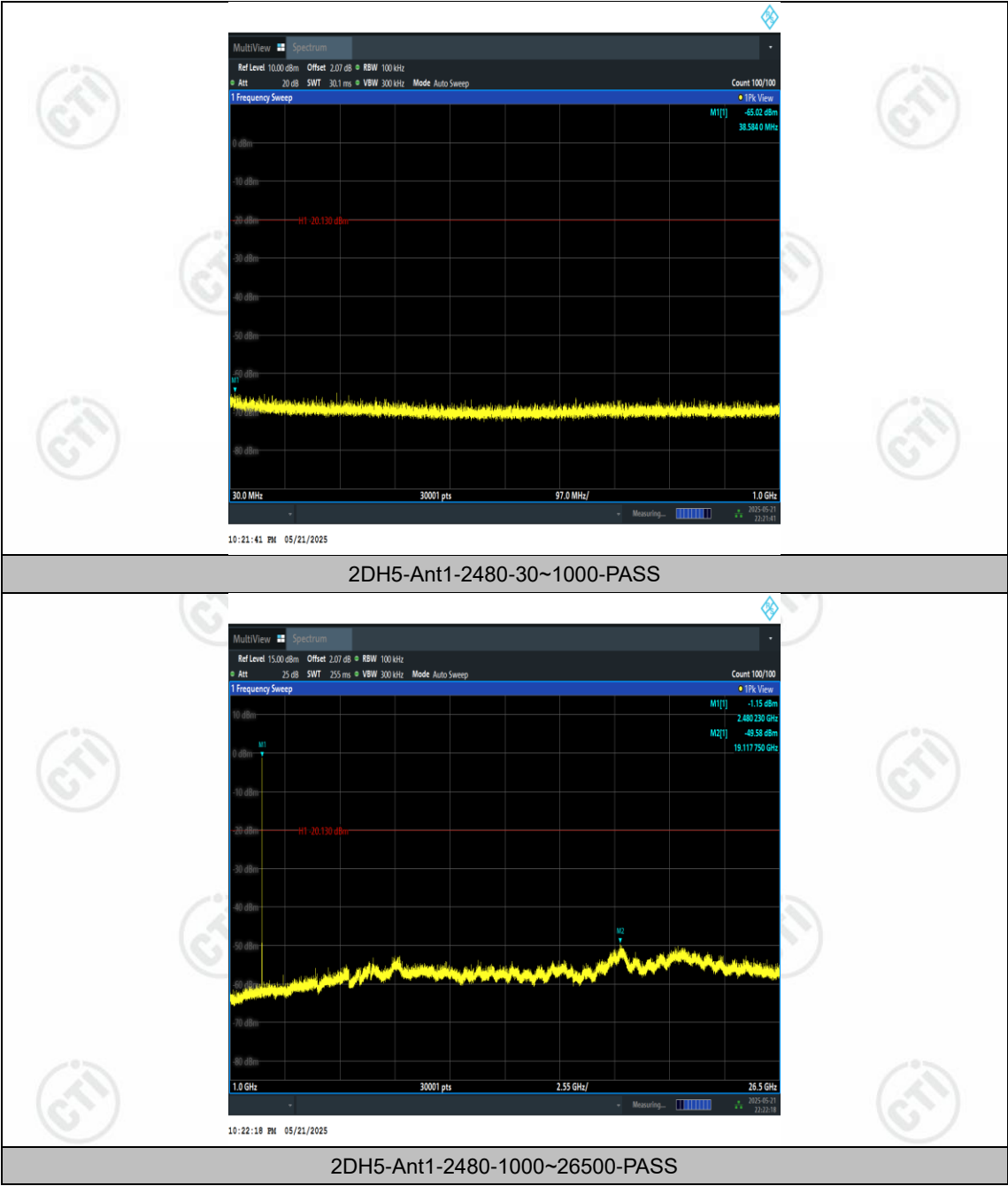


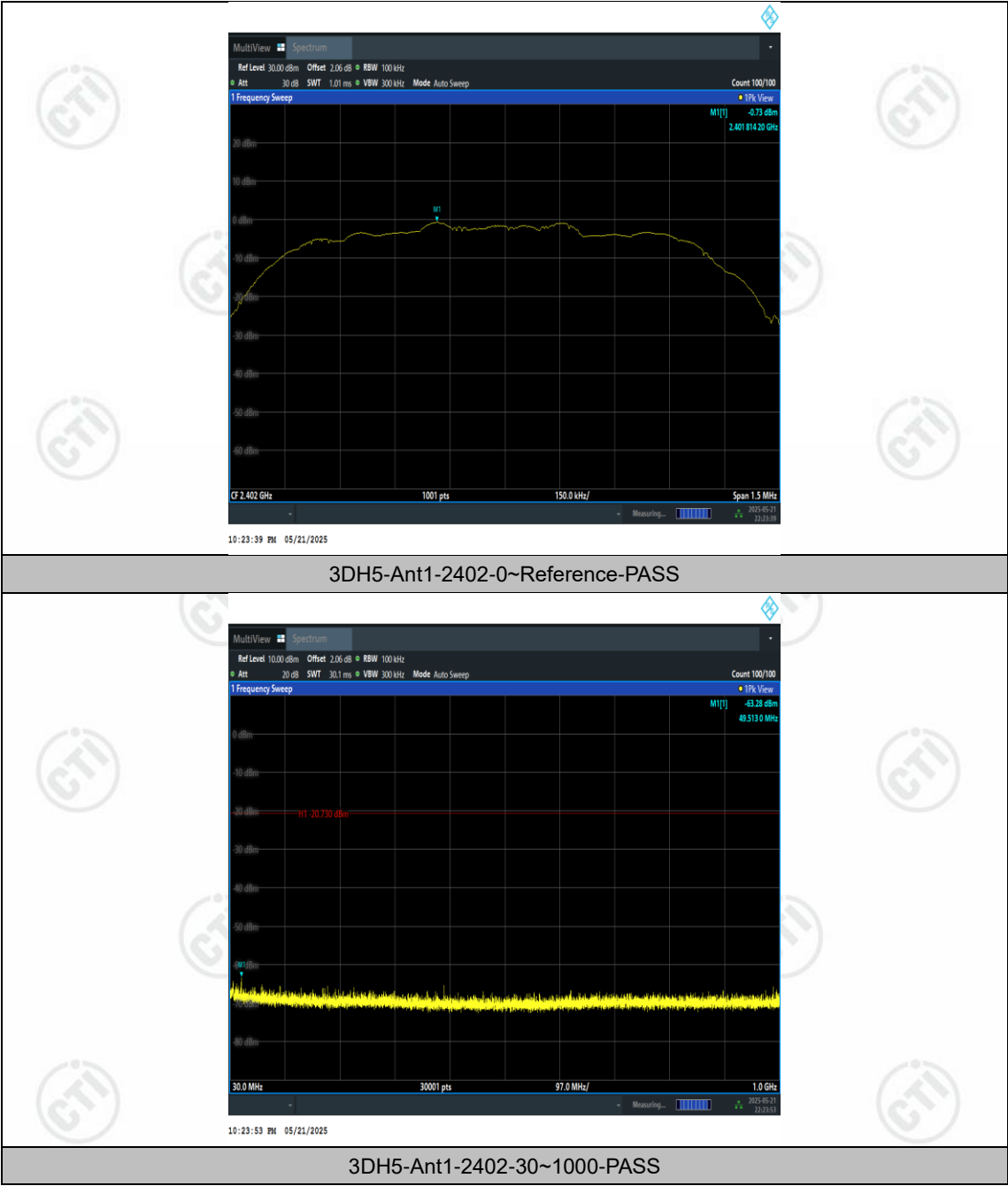


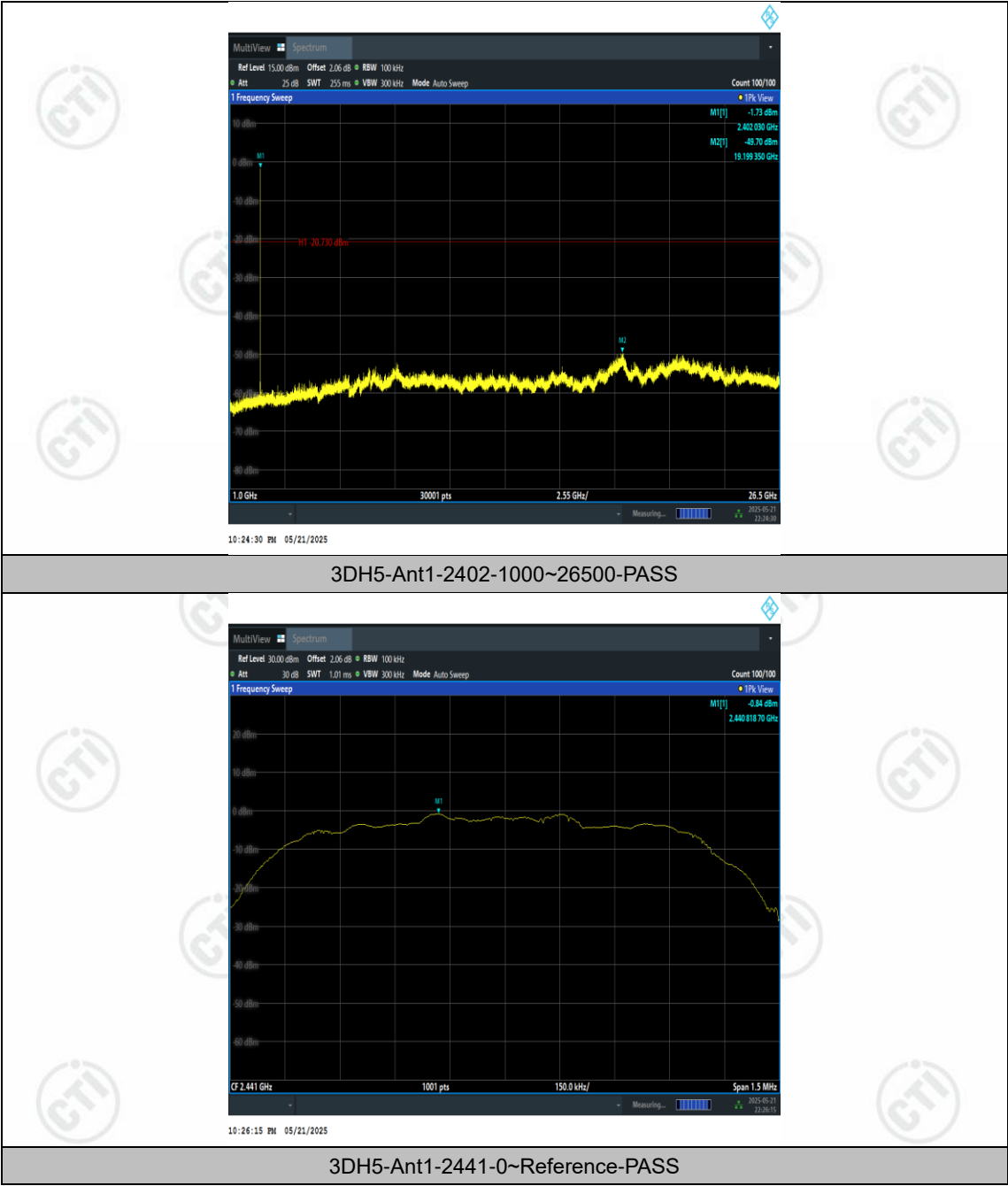


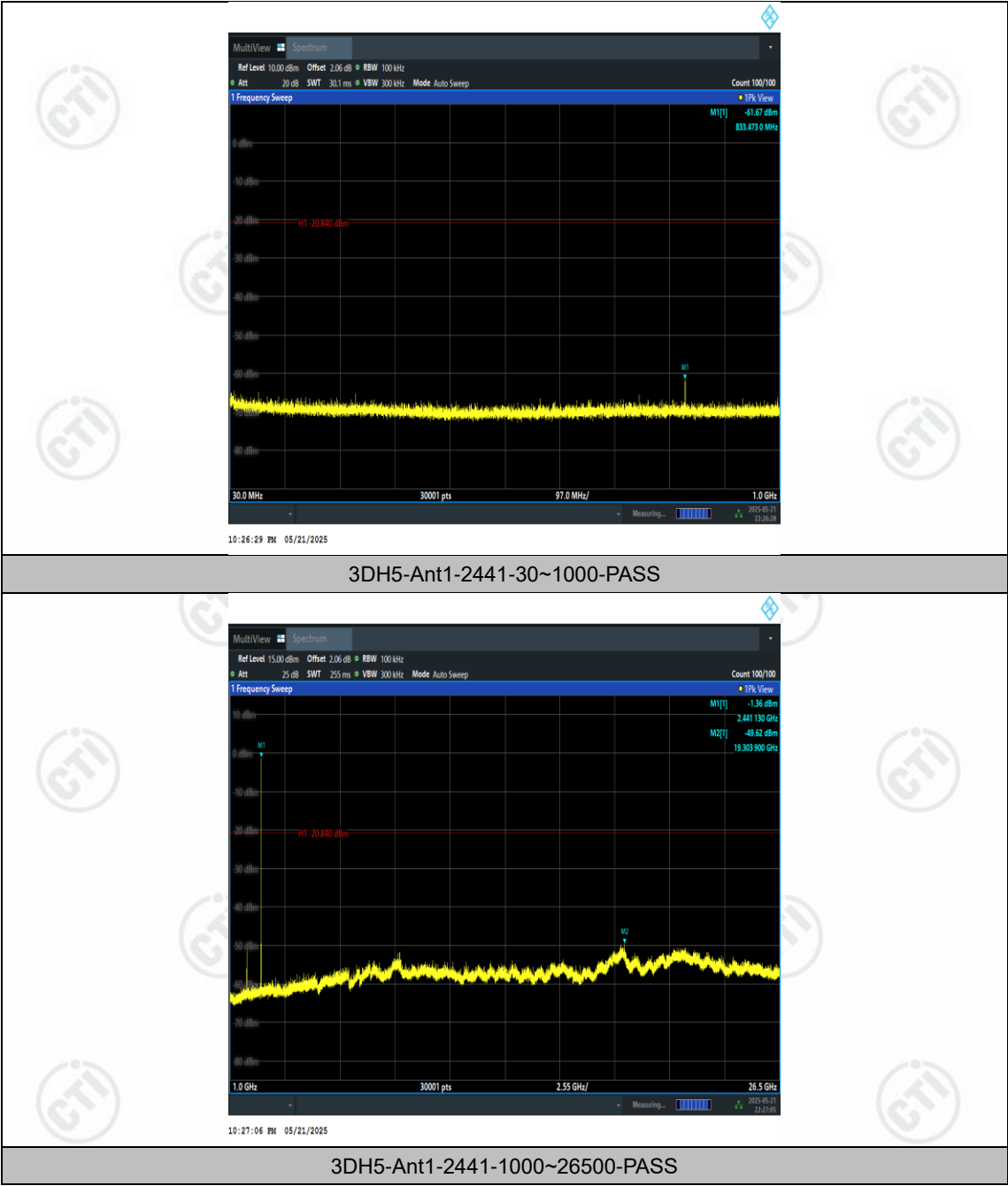


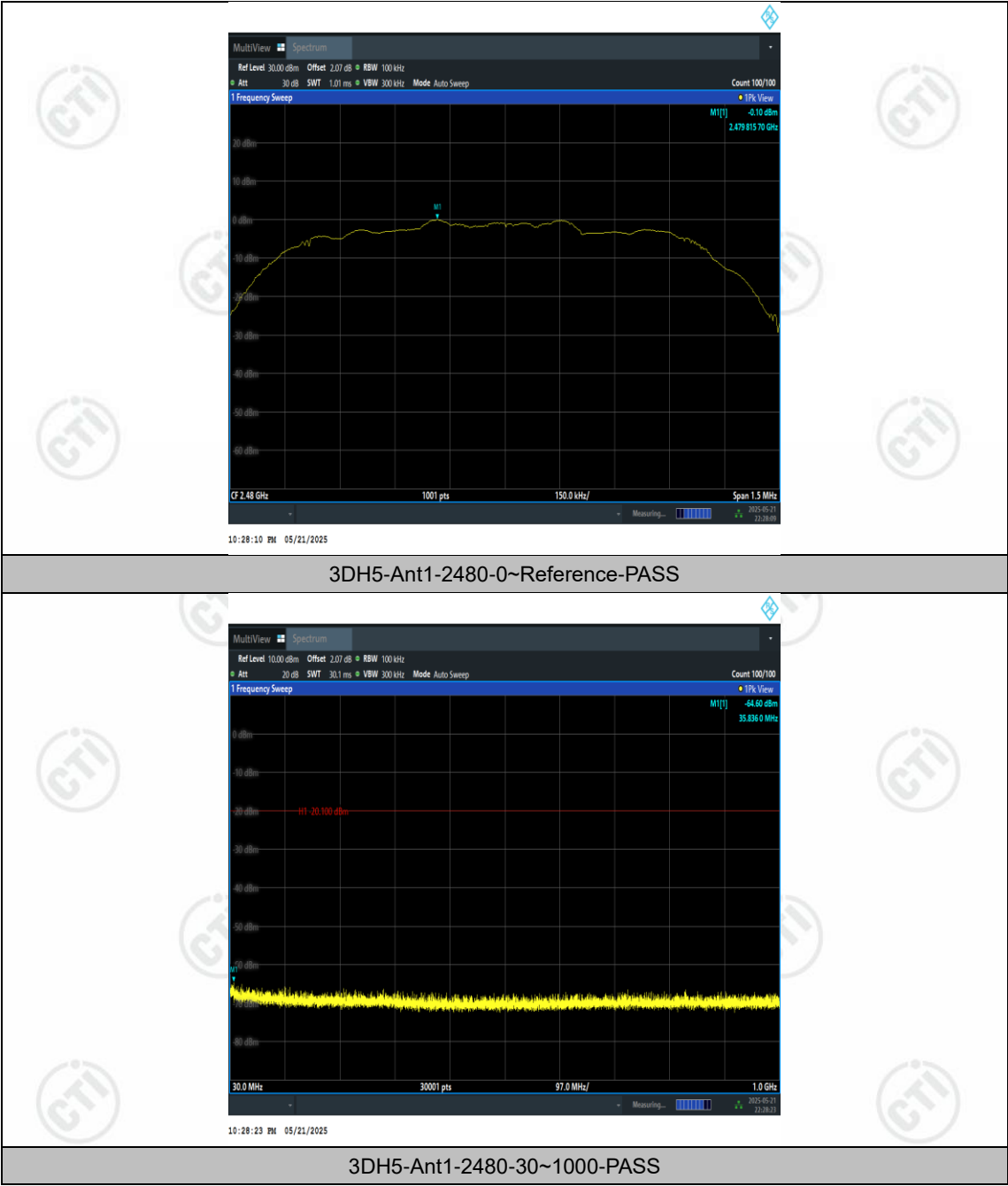


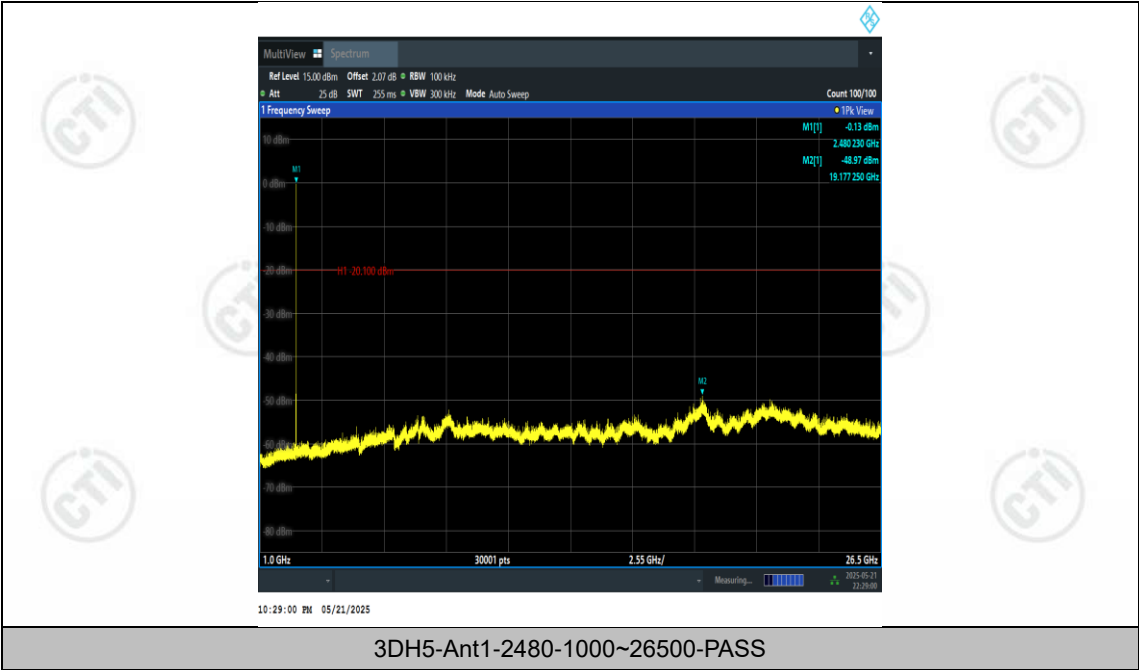












## Appendix I: Duty Cycle

### Test Result

| TestMode | Antenna | Frequency[MHz] | ON Time[ms] | Period[ms] | Duty Cycle[%] | Duty Cycle Factor[dB] |
|----------|---------|----------------|-------------|------------|---------------|-----------------------|
| DH5      | Ant1    | 2402           | 2.90        | 3.75       | 77.33         | 1.12                  |
| DH5      | Ant1    | 2441           | 2.90        | 3.75       | 77.33         | 1.12                  |
| DH5      | Ant1    | 2480           | 2.91        | 3.75       | 77.60         | 1.10                  |
| 2DH5     | Ant1    | 2402           | 2.89        | 3.75       | 77.07         | 1.13                  |
| 2DH5     | Ant1    | 2441           | 2.88        | 3.75       | 76.80         | 1.15                  |
| 2DH5     | Ant1    | 2480           | 2.88        | 3.75       | 76.80         | 1.15                  |
| 3DH5     | Ant1    | 2402           | 2.88        | 3.75       | 76.80         | 1.15                  |
| 3DH5     | Ant1    | 2441           | 2.89        | 3.76       | 76.86         | 1.14                  |
| 3DH5     | Ant1    | 2480           | 2.88        | 3.75       | 76.80         | 1.15                  |

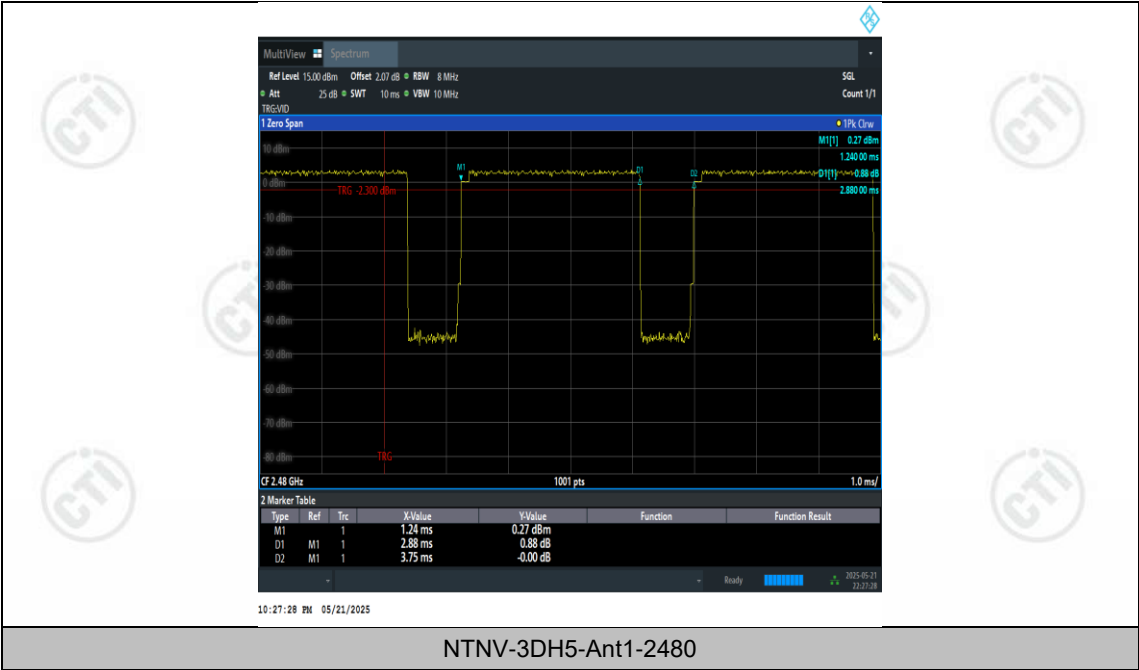
Test Graphs











\*\*\* End of Report \*\*\*