

## Appendix: 2.4G

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Appendix A: DTS Bandwidth

Test Result

| TestMode | Antenna | Frequency[MHz] | DTS BW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|----------|---------|----------------|--------------|---------|---------|------------|---------|
| GFSK     | Ant1    | 2410           | 1.14         | 2408.96 | 2410.10 | 0.5        | PASS    |
| GFSK     | Ant1    | 2441.5         | 1.18         | 2440.45 | 2441.63 | 0.5        | PASS    |
| GFSK     | Ant1    | 2477           | 1.12         | 2475.95 | 2477.07 | 0.5        | PASS    |

Test Graphs





Appendix B: Occupied Channel Bandwidth

Test Result

| TestMode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|----------|---------|----------------|-----------|-----------|-----------|------------|---------|
| GFSK     | Ant1    | 2410.0         | 4.395     | 2407.8143 | 2412.2097 | ---        | ---     |
| GFSK     | Ant1    | 2441.5         | 4.427     | 2439.2837 | 2443.7104 | ---        | ---     |
| GFSK     | Ant1    | 2477.0         | 4.424     | 2474.7891 | 2479.2132 | ---        | ---     |

Test Graphs







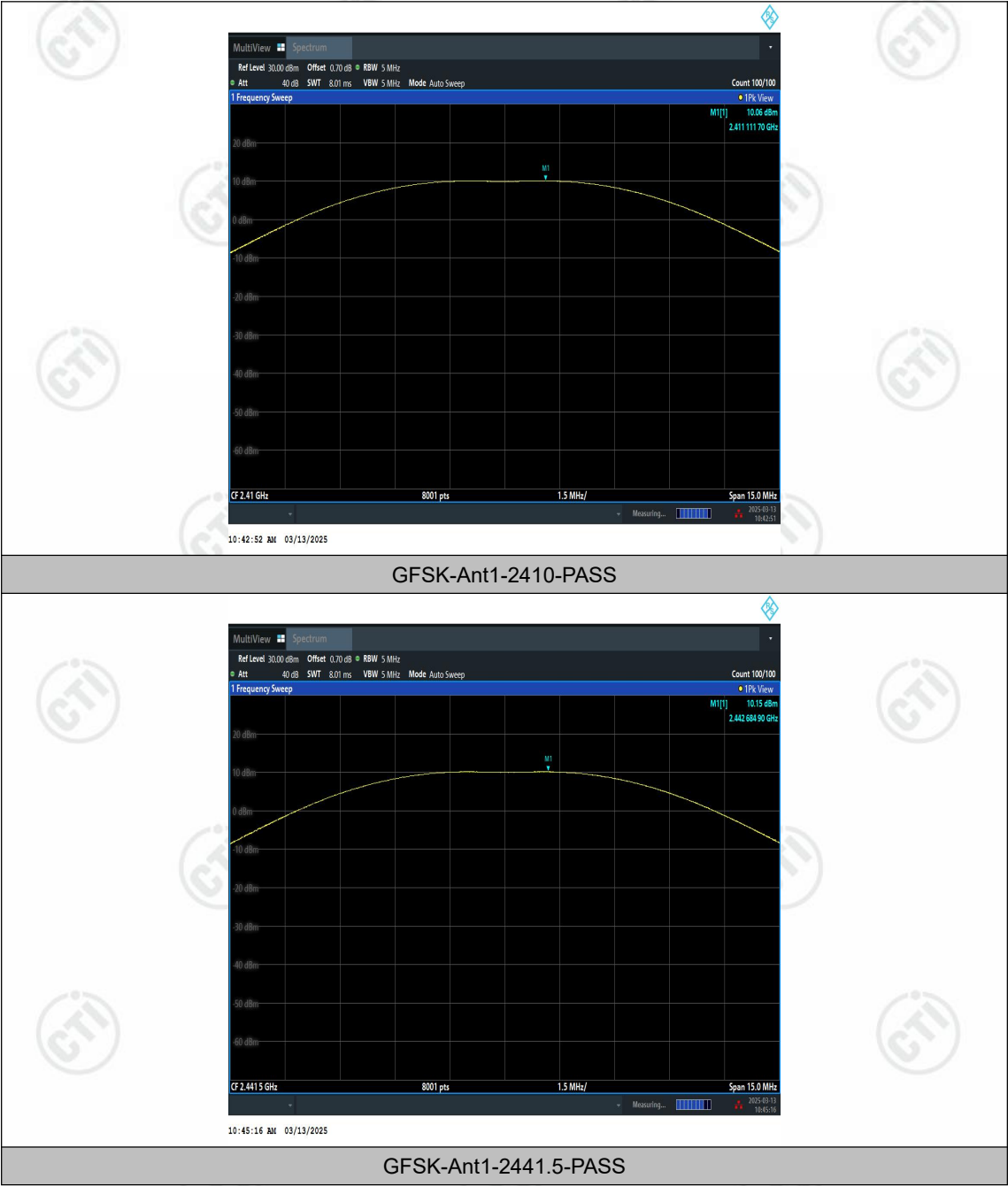


Appendix C: Maximum conducted output power

Test Result

| TestMode | Antenna | Frequency[MHz] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|----------------|-------------|------------|---------|
| GFSK     | Ant1    | 2410           | 10.06       | ≤30        | PASS    |
| GFSK     | Ant1    | 2441.5         | 10.15       | ≤30        | PASS    |
| GFSK     | Ant1    | 2477           | 10.14       | ≤30        | PASS    |

Test Graphs



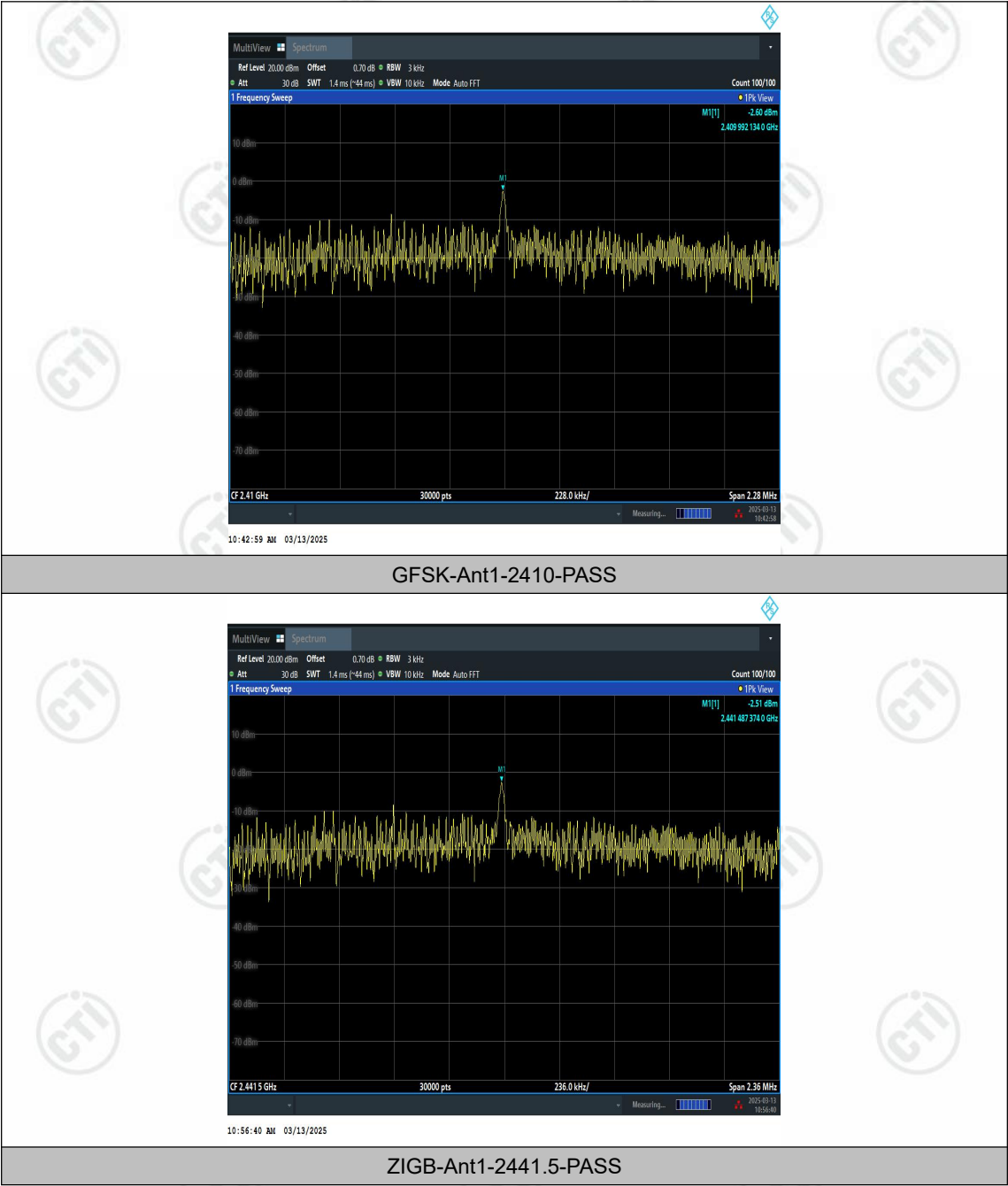


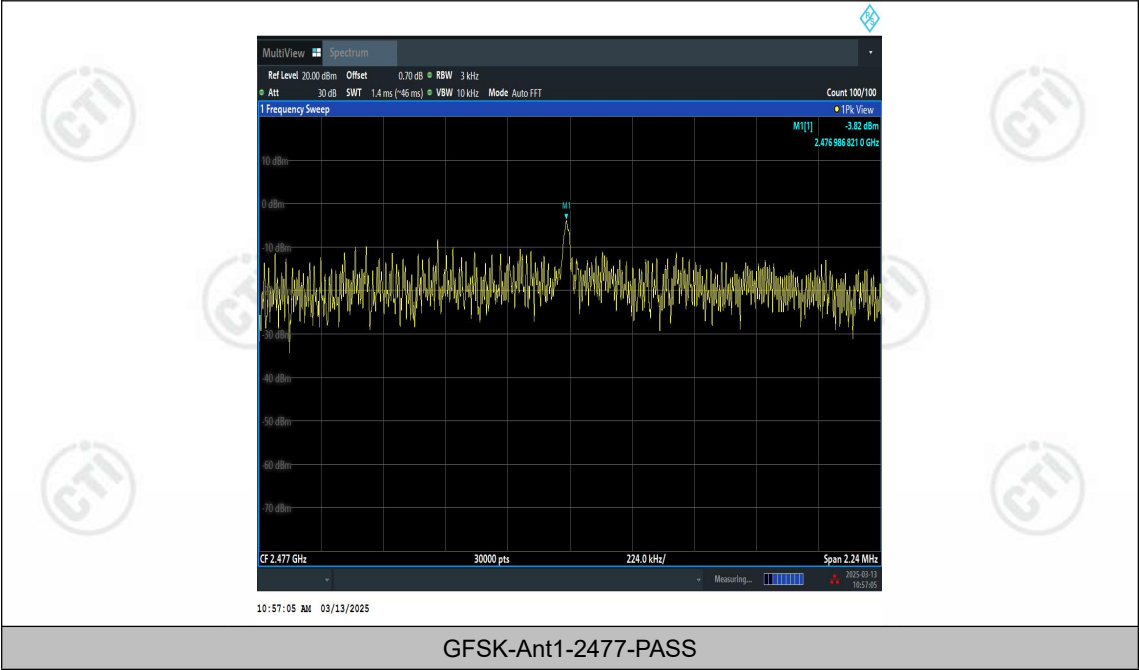
Appendix D: Maximum power spectral density

Test Result

| TestMode | Antenna | Frequency[MHz] | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|----------------|----------------------|-----------------|---------|
| GFSK     | Ant1    | 2410           | -2.60                | ≤8.00           | PASS    |
| GFSK     | Ant1    | 2441.5         | -2.51                | ≤8.00           | PASS    |
| GFSK     | Ant1    | 2477           | -3.82                | ≤8.00           | PASS    |

Test Graphs





Appendix E: Band edge measurements

Test Result

| TestMode | Antenna | ChName | Frequency<br>[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|--------|--------------------|---------------|-------------|------------|---------|
| GFSK     | Ant1    | Low    | 2410               | 9.71          | -40.6       | ≤-10.29    | PASS    |
| GFSK     | Ant1    | High   | 2477               | 9.91          | -35.3       | ≤-10.09    | PASS    |



Test Graphs

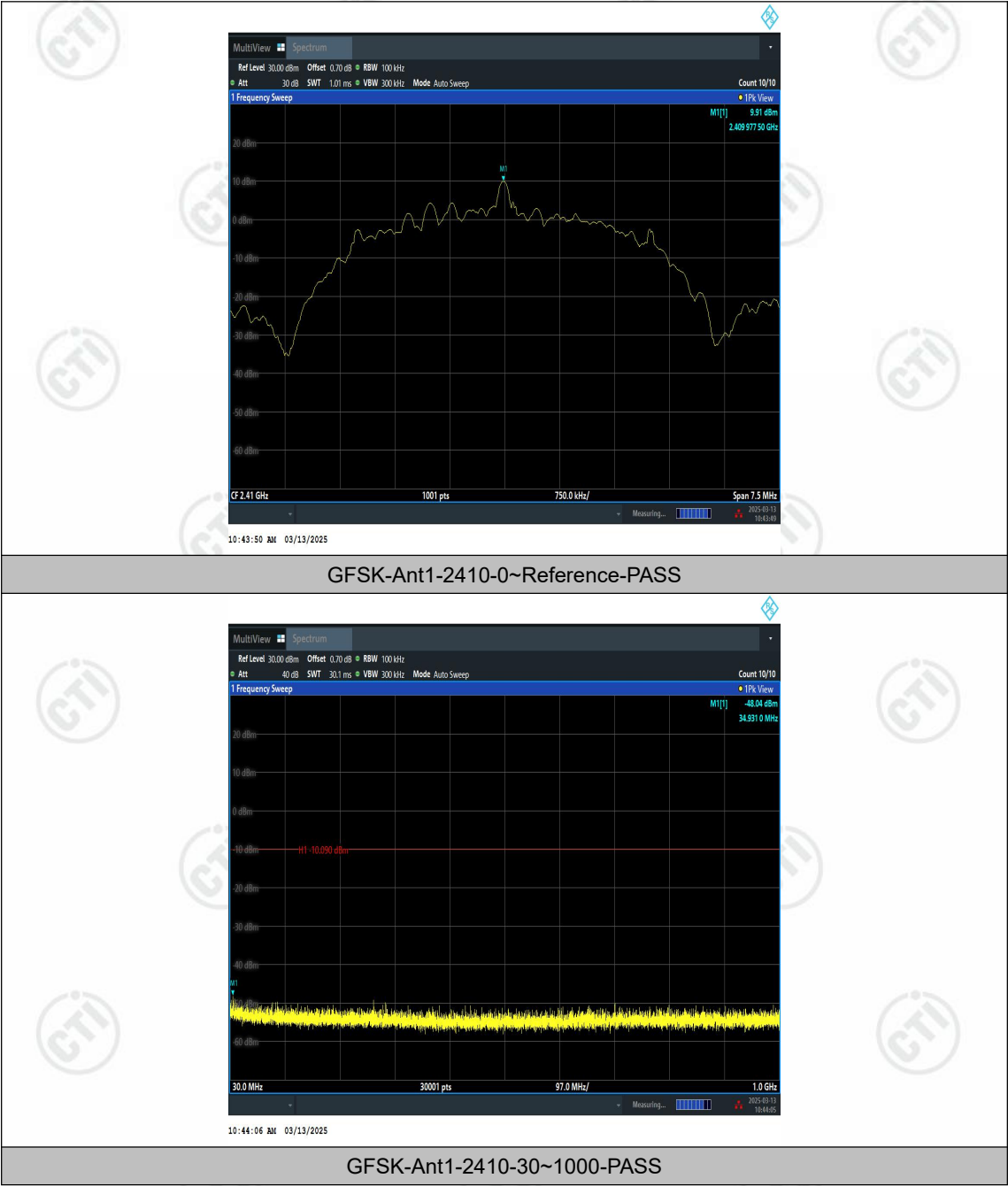


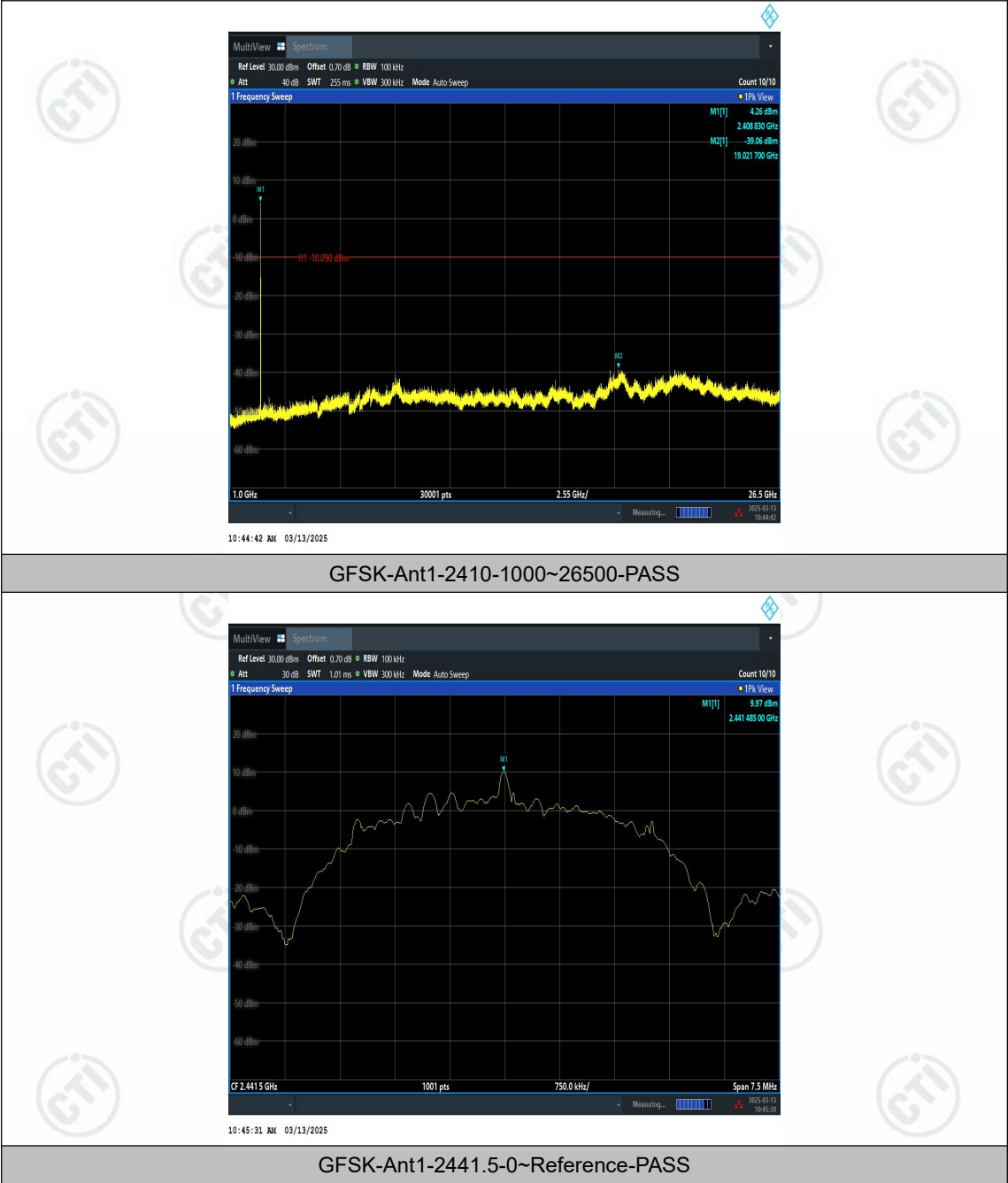
Appendix F: Conducted Spurious Emission

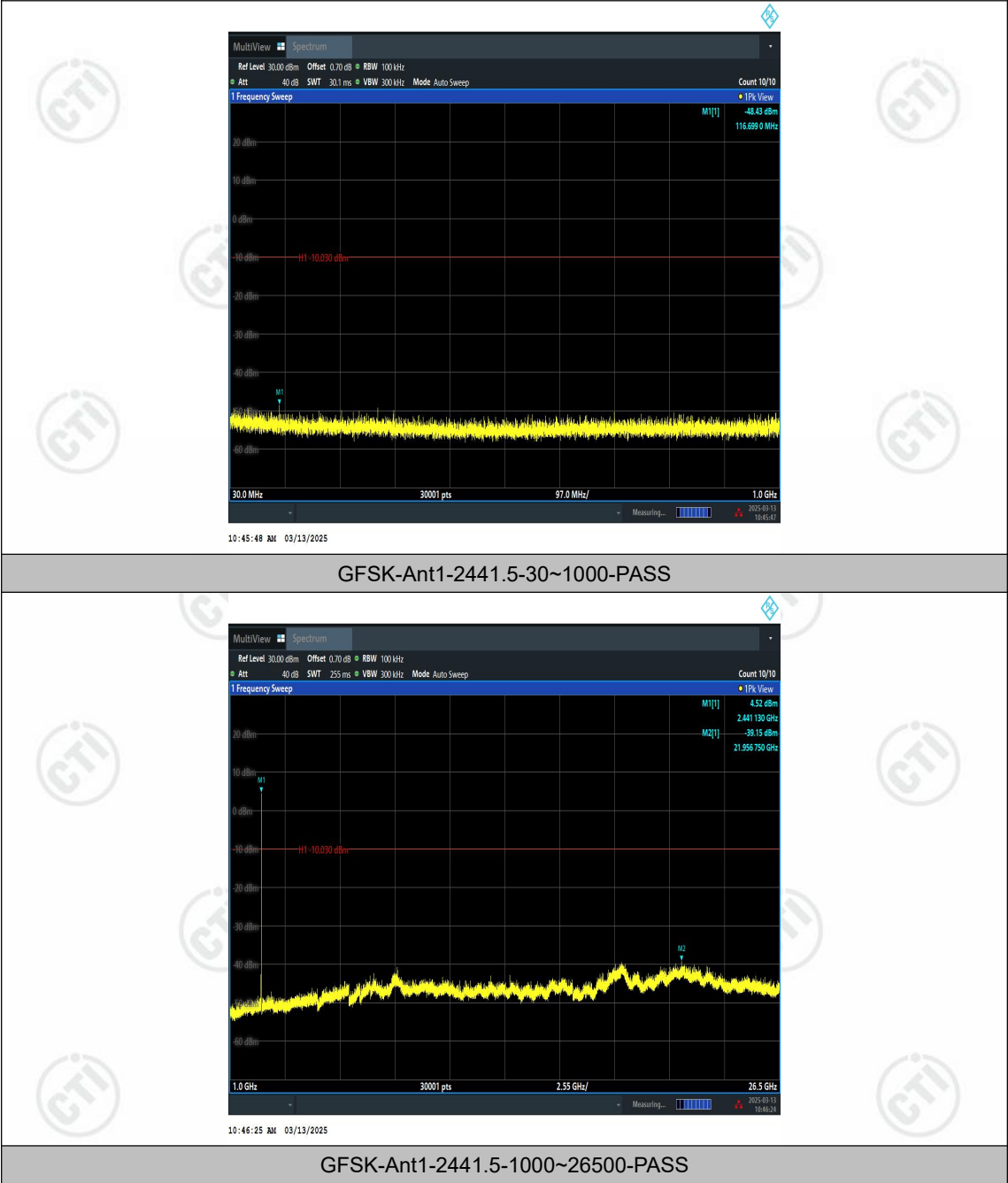
Test Result

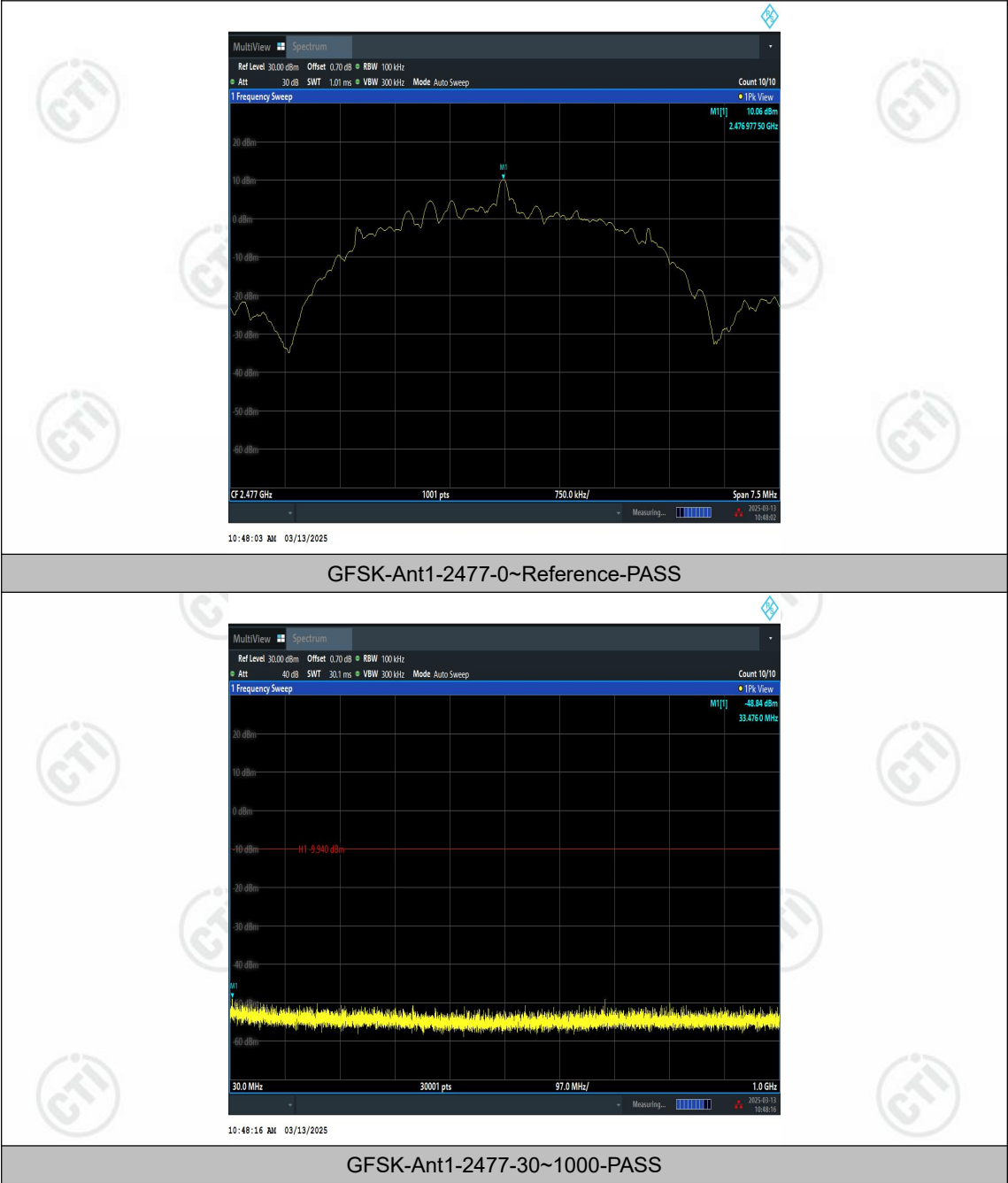
| TestMode | Antenna | Frequency<br>[MHz] | FreqRange<br>[MHz] | RefLevel<br>[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|--------------------|--------------------|-------------------|-------------|------------|---------|
| GFSK     | Ant1    | 2410               | 0~Reference        | 9.91              | 9.91        | ---        | PASS    |
| GFSK     | Ant1    | 2410               | 30~1000            | 9.91              | -48.04      | ≤-10.09    | PASS    |
| GFSK     | Ant1    | 2410               | 1000~26500         | 9.91              | -39.06      | ≤-10.09    | PASS    |
| GFSK     | Ant1    | 2441.5             | 0~Reference        | 9.97              | 9.97        | ---        | PASS    |
| GFSK     | Ant1    | 2441.5             | 30~1000            | 9.97              | -48.43      | ≤-10.03    | PASS    |
| GFSK     | Ant1    | 2441.5             | 1000~26500         | 9.97              | -39.15      | ≤-10.03    | PASS    |
| GFSK     | Ant1    | 2477               | 0~Reference        | 10.06             | 10.06       | ---        | PASS    |
| GFSK     | Ant1    | 2477               | 30~1000            | 10.06             | -48.84      | ≤-9.94     | PASS    |
| GFSK     | Ant1    | 2477               | 1000~26500         | 10.06             | -39         | ≤-9.94     | PASS    |

Test Graphs

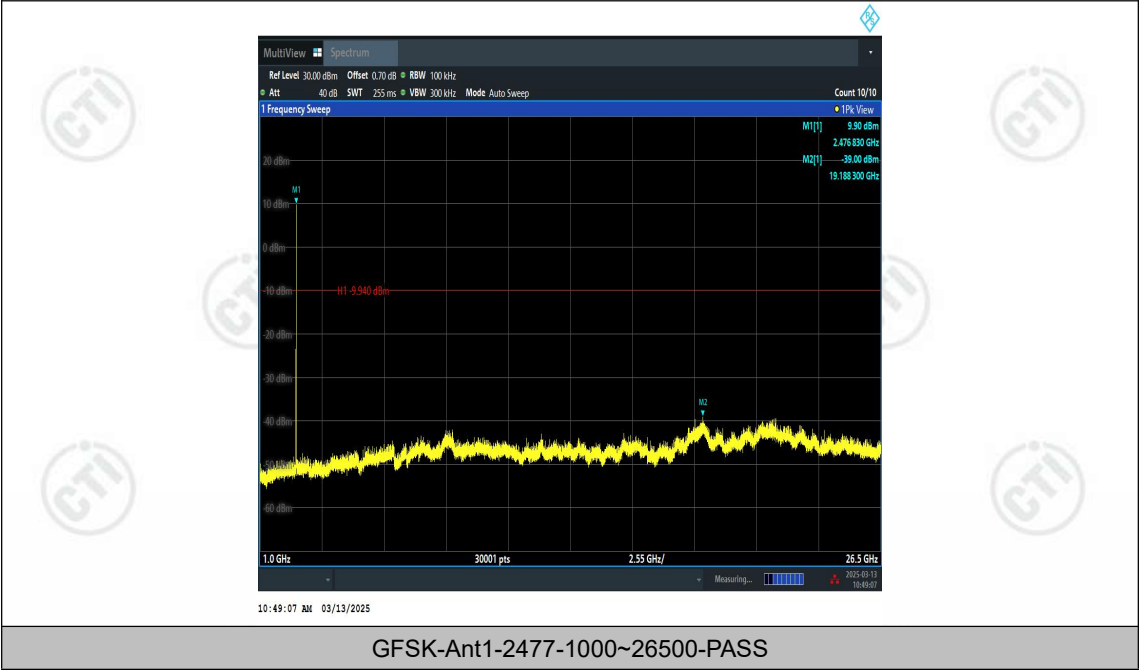












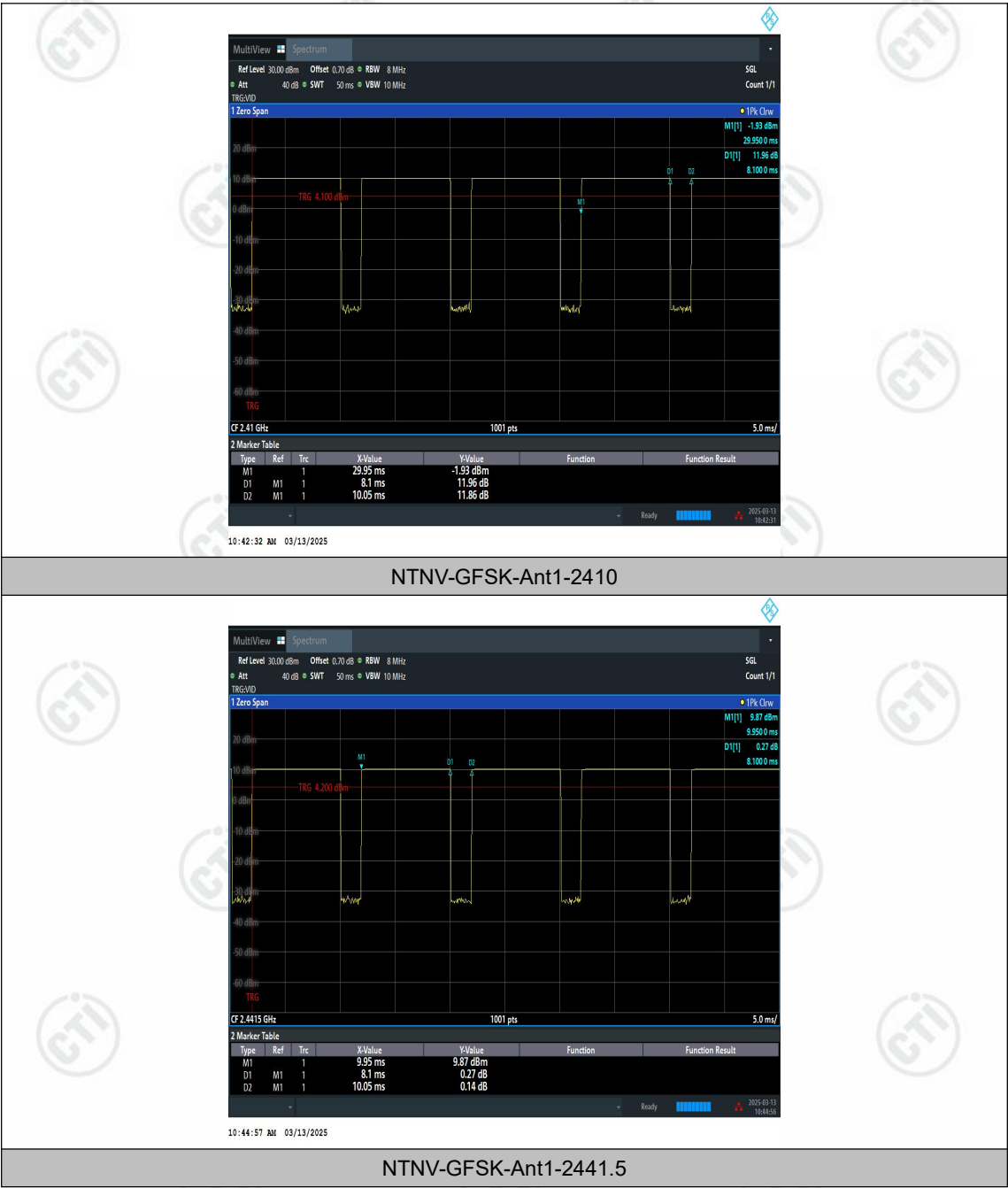


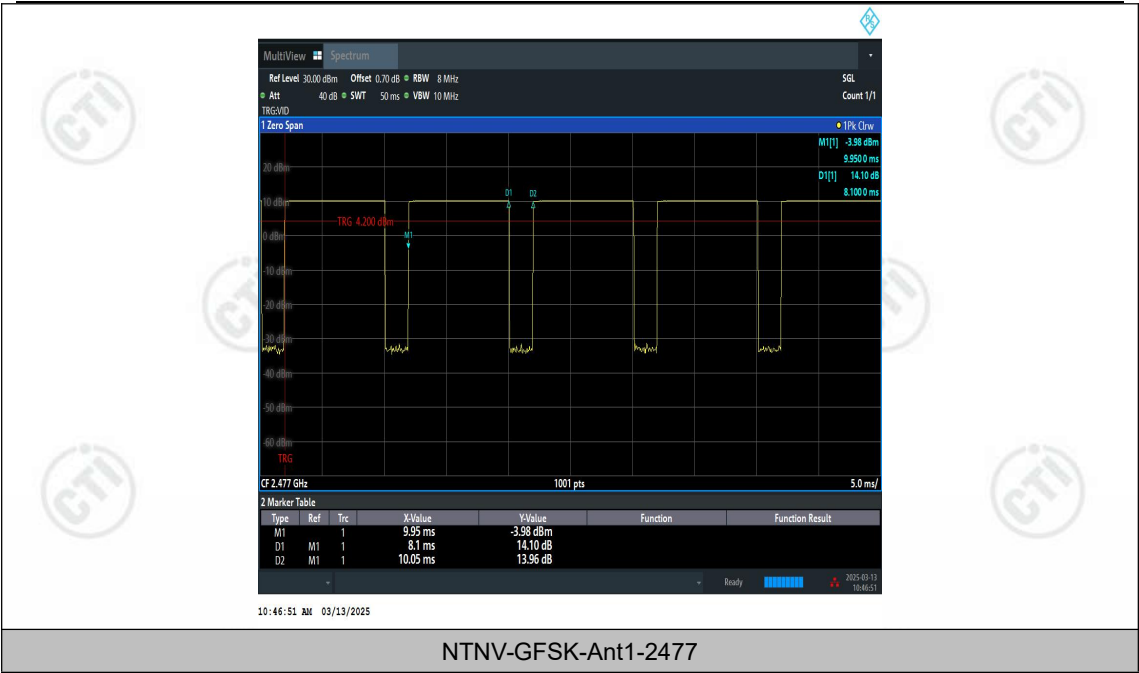
Appendix G: Duty Cycle

Test Result

| TestMode | Antenna | Frequency[MHz] | Transmission<br>Duration [ms] | Transmission<br>Period [ms] | Duty<br>Cycle [%] | Limit | Verdict |
|----------|---------|----------------|-------------------------------|-----------------------------|-------------------|-------|---------|
| GFSK     | Ant1    | 2410           | 8.10                          | 10.05                       | 80.60             | ---   | ---     |
| GFSK     | Ant1    | 2441.5         | 8.10                          | 10.05                       | 80.60             | ---   | ---     |
| GFSK     | Ant1    | 2477           | 8.10                          | 10.05                       | 80.60             | ---   | ---     |

Test Graphs





\*\*\*END OF REPORT\*\*\*