

## Appendix: Bluetooth Classic

Contents

Contents ..... 2

Appendix A: 20dB Emission Bandwidth ..... 3

    Test Result ..... 3

    Test Graphs ..... 4

Appendix B: Occupied Channel Bandwidth ..... 6

    Test Result ..... 6

    Test Graphs ..... 7

Appendix C: Maximum conducted output power ..... 9

    Test Result Peak ..... 9

    Test Graphs ..... 9

Appendix D: Carrier frequency separation ..... 12

    Test Result ..... 12

    Test Graphs ..... 13

Appendix E: Time of occupancy ..... 14

    Test Result ..... 14

    Test Graphs ..... 15

Appendix F: Number of hopping channels ..... 17

    Test Result ..... 17

    Test Graphs ..... 18

Appendix G: Band edge measurements ..... 19

    Test Result ..... 19

    Test Graphs ..... 20

Appendix H: Conducted Spurious Emission ..... 22

    Test Result ..... 22

    Test Graphs ..... 24

Appendix I: Duty Cycle ..... 30

    Test Result ..... 30

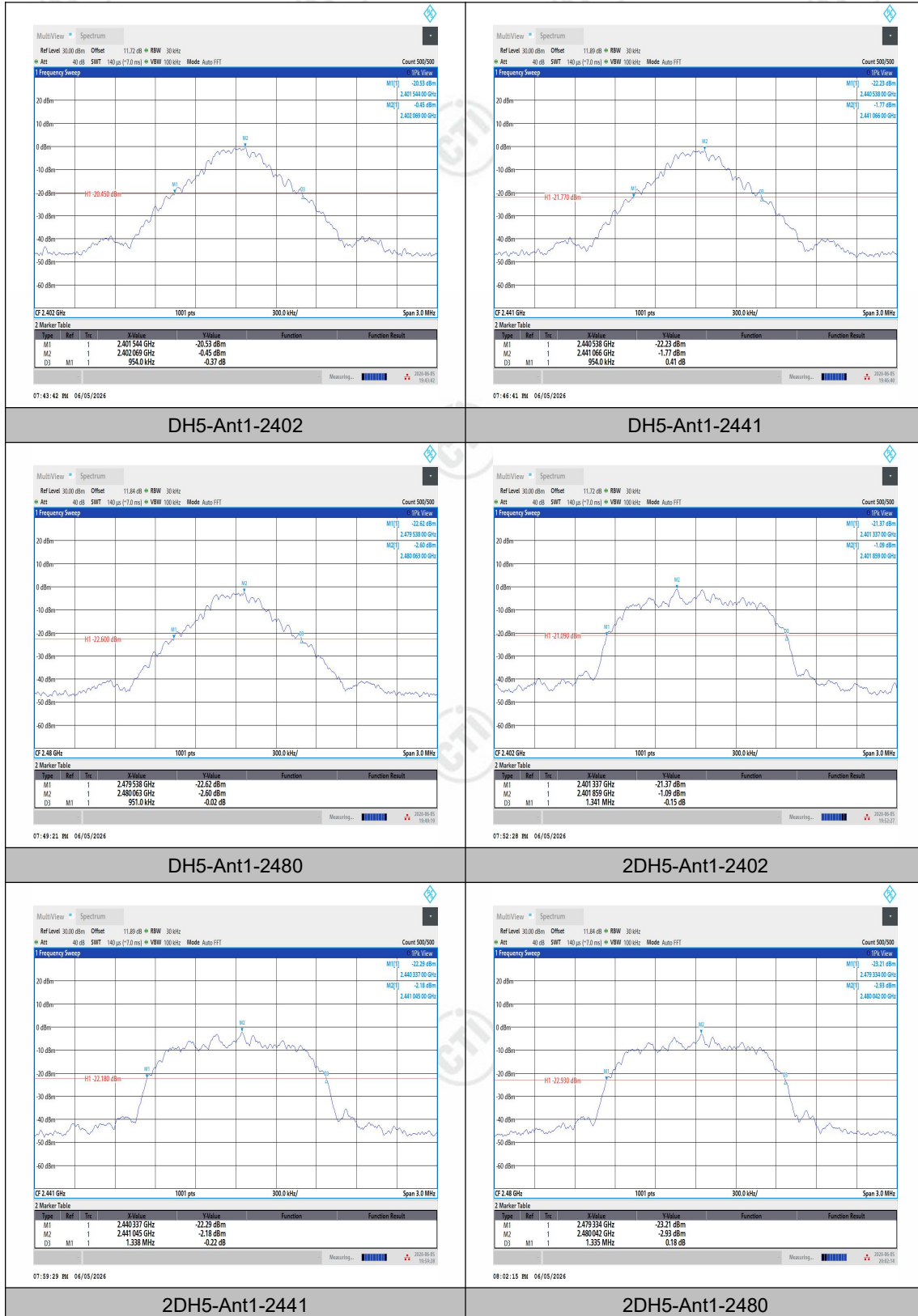
    Test Graphs ..... 31

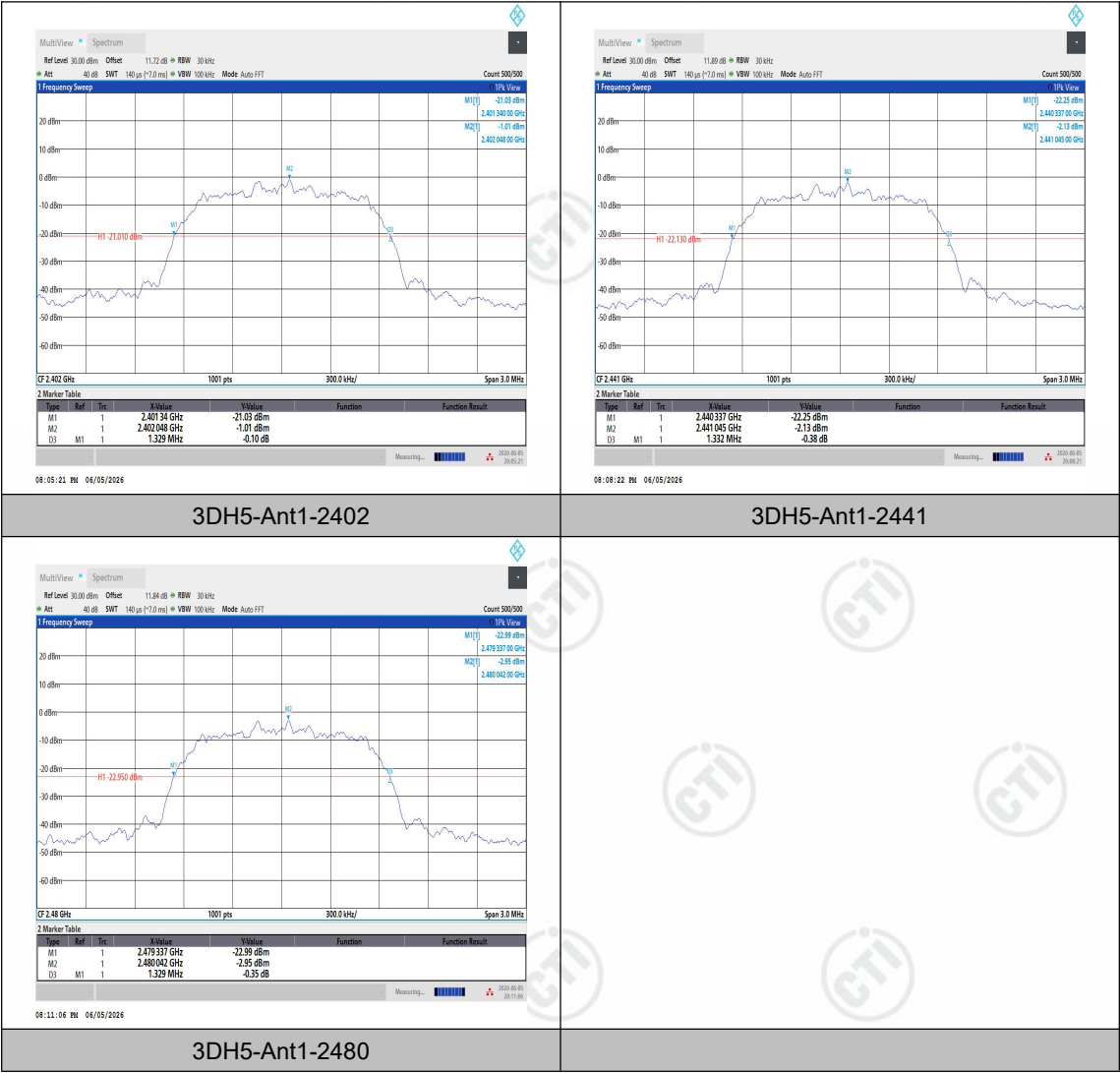
Appendix A: 20dB Emission Bandwidth

Test Result

| TestMode | Antenna | Frequency[MHz] | 20db<br>EBW[MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|----------|---------|----------------|------------------|---------|---------|------------|---------|
| DH5      | Ant1    | 2402           | 0.95             | 2401.54 | 2402.50 | ---        | ---     |
| DH5      | Ant1    | 2441           | 0.95             | 2440.54 | 2441.49 | ---        | ---     |
| DH5      | Ant1    | 2480           | 0.95             | 2479.54 | 2480.49 | ---        | ---     |
| 2DH5     | Ant1    | 2402           | 1.34             | 2401.34 | 2402.68 | ---        | ---     |
| 2DH5     | Ant1    | 2441           | 1.34             | 2440.34 | 2441.68 | ---        | ---     |
| 2DH5     | Ant1    | 2480           | 1.34             | 2479.33 | 2480.67 | ---        | ---     |
| 3DH5     | Ant1    | 2402           | 1.33             | 2401.34 | 2402.67 | ---        | ---     |
| 3DH5     | Ant1    | 2441           | 1.33             | 2440.34 | 2441.67 | ---        | ---     |
| 3DH5     | Ant1    | 2480           | 1.33             | 2479.34 | 2480.67 | ---        | ---     |

## Test Graphs



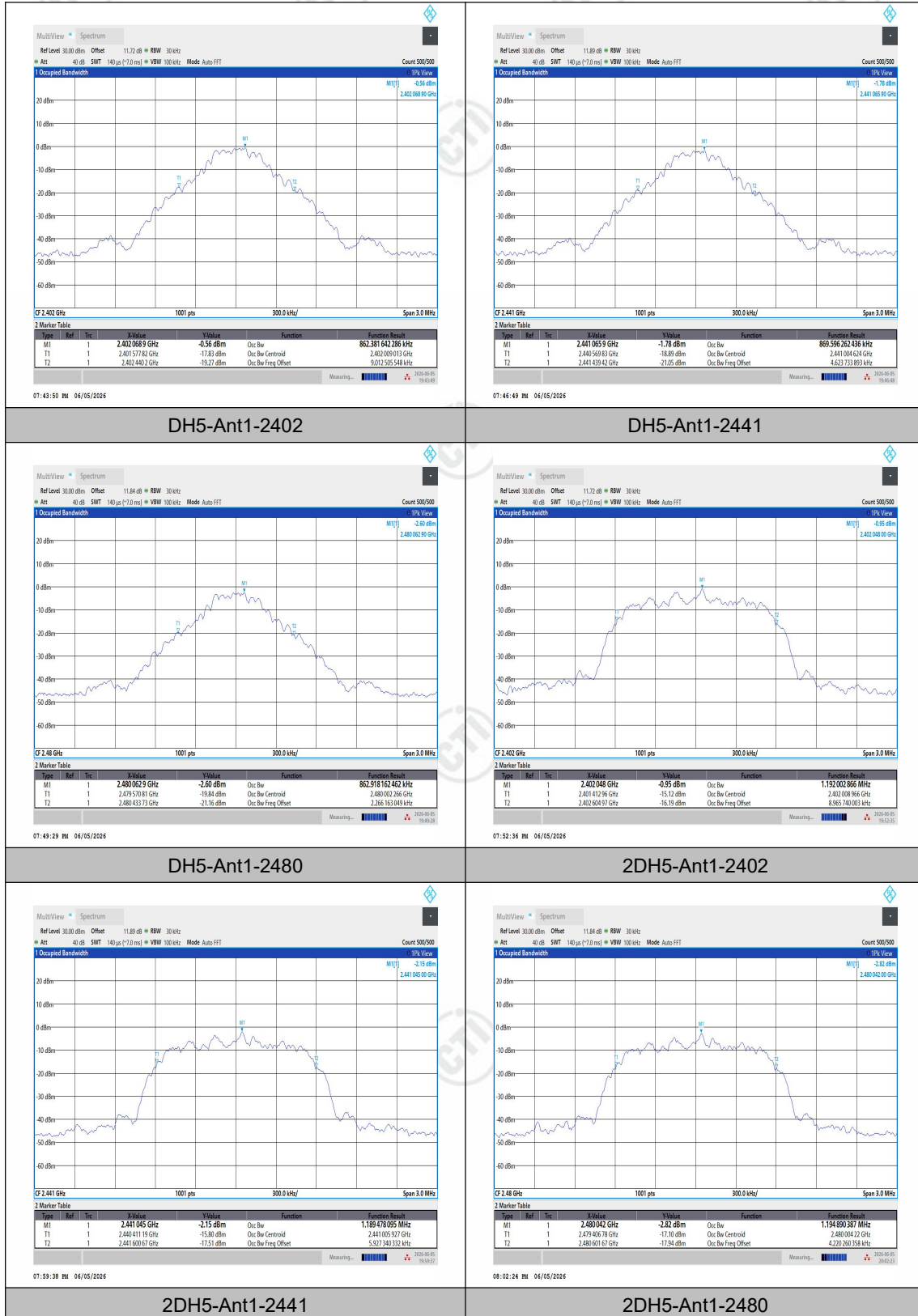


Appendix B: Occupied Channel Bandwidth

Test Result

| TestMode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limi<br>t[M<br>Hz] | Verdict |
|----------|---------|----------------|-----------|-----------|-----------|--------------------|---------|
| DH5      | Ant1    | 2402           | 0.86238   | 2401.5778 | 2402.4402 | ---                | ---     |
| DH5      | Ant1    | 2441           | 0.86960   | 2440.5698 | 2441.4394 | ---                | ---     |
| DH5      | Ant1    | 2480           | 0.86292   | 2479.5708 | 2480.4337 | ---                | ---     |
| 2DH5     | Ant1    | 2402           | 1.1920    | 2401.4130 | 2402.6050 | ---                | ---     |
| 2DH5     | Ant1    | 2441           | 1.1895    | 2440.4112 | 2441.6007 | ---                | ---     |
| 2DH5     | Ant1    | 2480           | 1.1949    | 2479.4068 | 2480.6017 | ---                | ---     |
| 3DH5     | Ant1    | 2402           | 1.1838    | 2401.4142 | 2402.5980 | ---                | ---     |
| 3DH5     | Ant1    | 2441           | 1.1854    | 2440.4113 | 2441.5967 | ---                | ---     |
| 3DH5     | Ant1    | 2480           | 1.1860    | 2479.4090 | 2480.5950 | ---                | ---     |

## Test Graphs



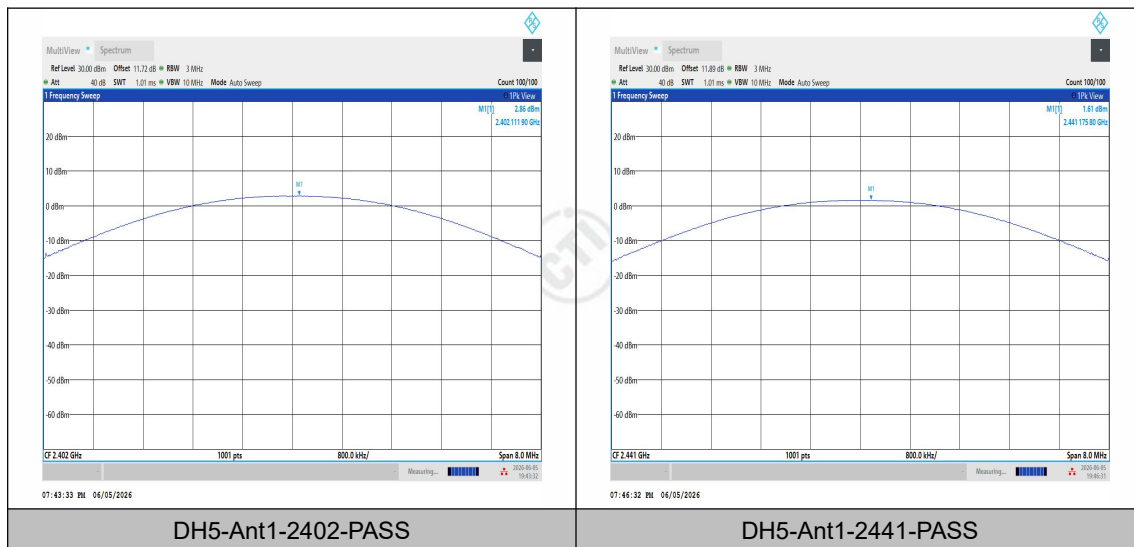


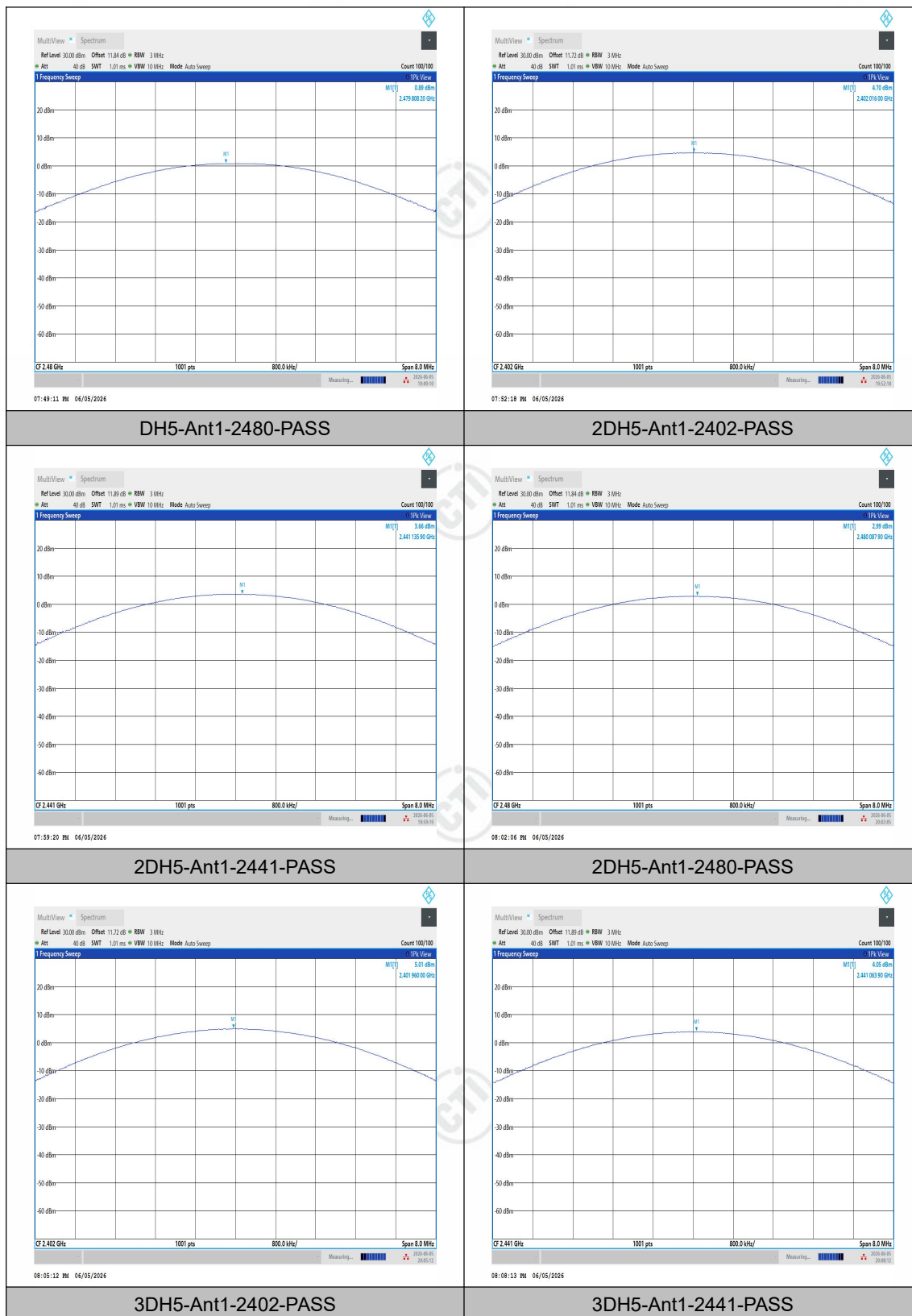
## Appendix C: Maximum conducted output power

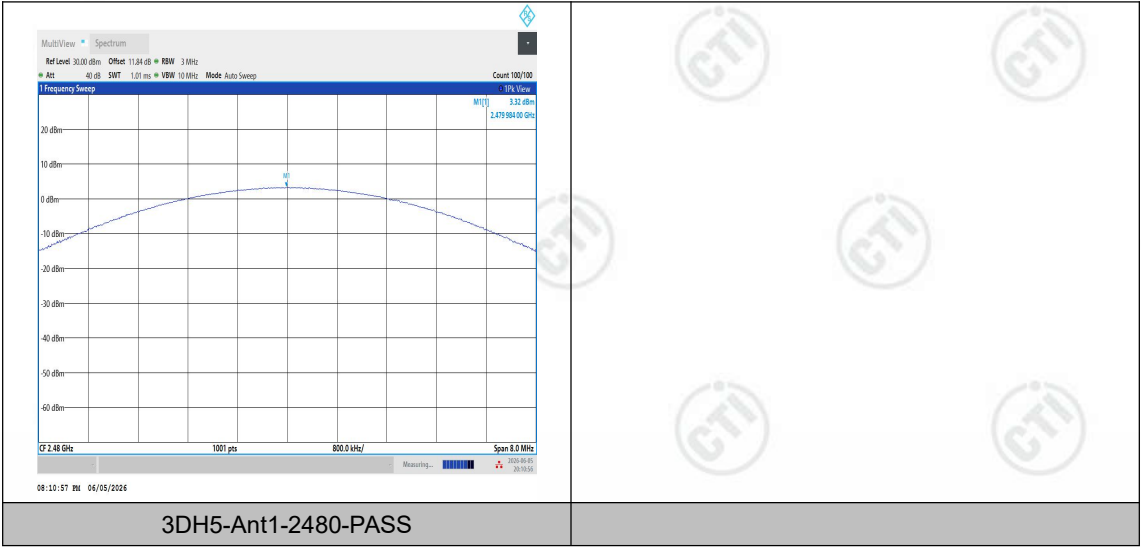
### Test Result Peak

| Test Mode | Antenna | Frequency[MHz] | Conducted Peak Power[dBm] | Conducted Limit[dBm] | EIRP[dBm] | Verdict |
|-----------|---------|----------------|---------------------------|----------------------|-----------|---------|
| DH5       | Ant1    | 2402           | 2.86                      | ≤30                  | 2.86      | PASS    |
| DH5       | Ant1    | 2441           | 1.61                      | ≤20.97               | 1.61      | PASS    |
| DH5       | Ant1    | 2480           | 0.89                      | ≤20.97               | 0.89      | PASS    |
| 2DH5      | Ant1    | 2402           | 4.70                      | ≤30                  | 4.70      | PASS    |
| 2DH5      | Ant1    | 2441           | 3.66                      | ≤20.97               | 3.66      | PASS    |
| 2DH5      | Ant1    | 2480           | 2.99                      | ≤20.97               | 2.99      | PASS    |
| 3DH5      | Ant1    | 2402           | 5.01                      | ≤30                  | 5.01      | PASS    |
| 3DH5      | Ant1    | 2441           | 4.05                      | ≤20.97               | 4.05      | PASS    |
| 3DH5      | Ant1    | 2480           | 3.32                      | ≤20.97               | 3.32      | PASS    |

### Test Graphs







Appendix D: Carrier frequency separation

Test Result

| TestMode | Antenna | Frequency[MHz] | Result[MHz] | Limit[MHz] | Verdict |
|----------|---------|----------------|-------------|------------|---------|
| DH5      | Ant1    | Hop            | 1.012       | ≥0.950     | PASS    |
| 2DH5     | Ant1    | Hop            | 0.982       | ≥0.893     | PASS    |
| 3DH5     | Ant1    | Hop            | 1.18        | ≥0.887     | PASS    |