

## Appendix Test Data

|                  |                 |                    |                   |
|------------------|-----------------|--------------------|-------------------|
| Report No.:      | 18220WC10289701 | Test Sample No.:   | 1-2-2             |
| Start Test Date: | 2021.12.30      | Finish Test Date:  | 2022.1.10         |
| Test Engineer:   | <i>Tony He</i>  | Auditor:           | <i>Edward Pan</i> |
| Temperature:     | 24.3°C          | Relative Humidity: | 57.1 %            |
| Pressure:        | 1012 hPa        |                    |                   |

## Appendix A: 20dB Emission Bandwidth

## Test Result

| Test Mode | Antenna | Channel | 20db EBW[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|---------|---------------|----------|----------|------------|---------|
| DH5       | Ant1    | 2402    | 0.939         | 2401.538 | 2402.477 | ---        | PASS    |
|           |         | 2441    | 0.951         | 2440.532 | 2441.483 | ---        | PASS    |
|           |         | 2480    | 0.945         | 2479.535 | 2480.480 | ---        | PASS    |

## Test Graphs



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## Appendix B: Occupied Channel Bandwidth

### Test Result

| Test Mode | Antenna | Channel | OCB [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|---------|-----------|----------|----------|------------|---------|
| DH5       | Ant1    | 2402    | 0.89458   | 2401.548 | 2402.442 | ---        | PASS    |
|           |         | 2441    | 0.89478   | 2440.548 | 2441.442 | ---        | PASS    |
|           |         | 2480    | 0.89534   | 2479.550 | 2480.445 | ---        | PASS    |

## Test Graphs

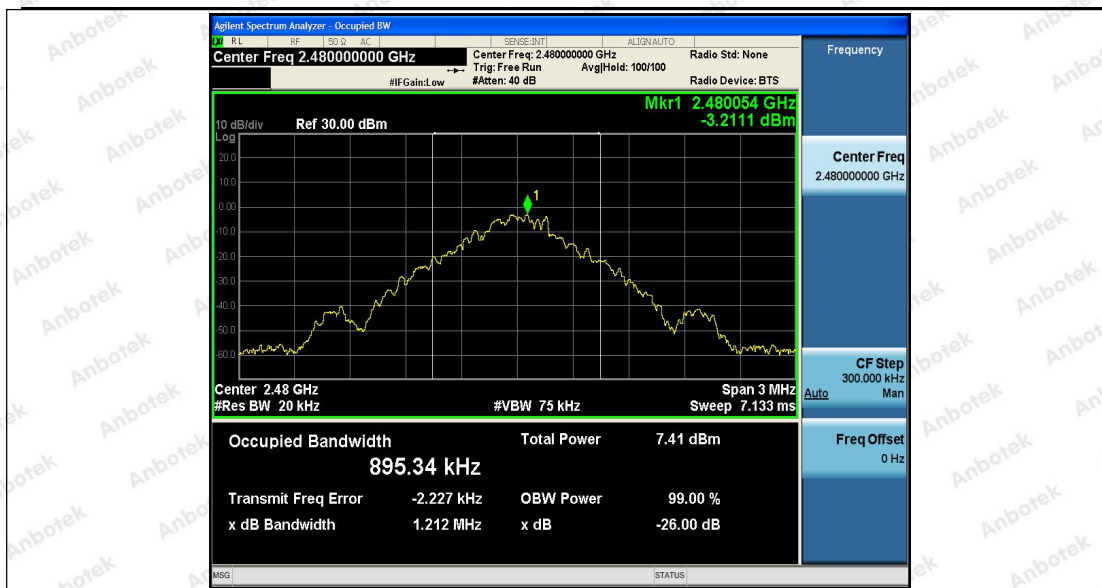


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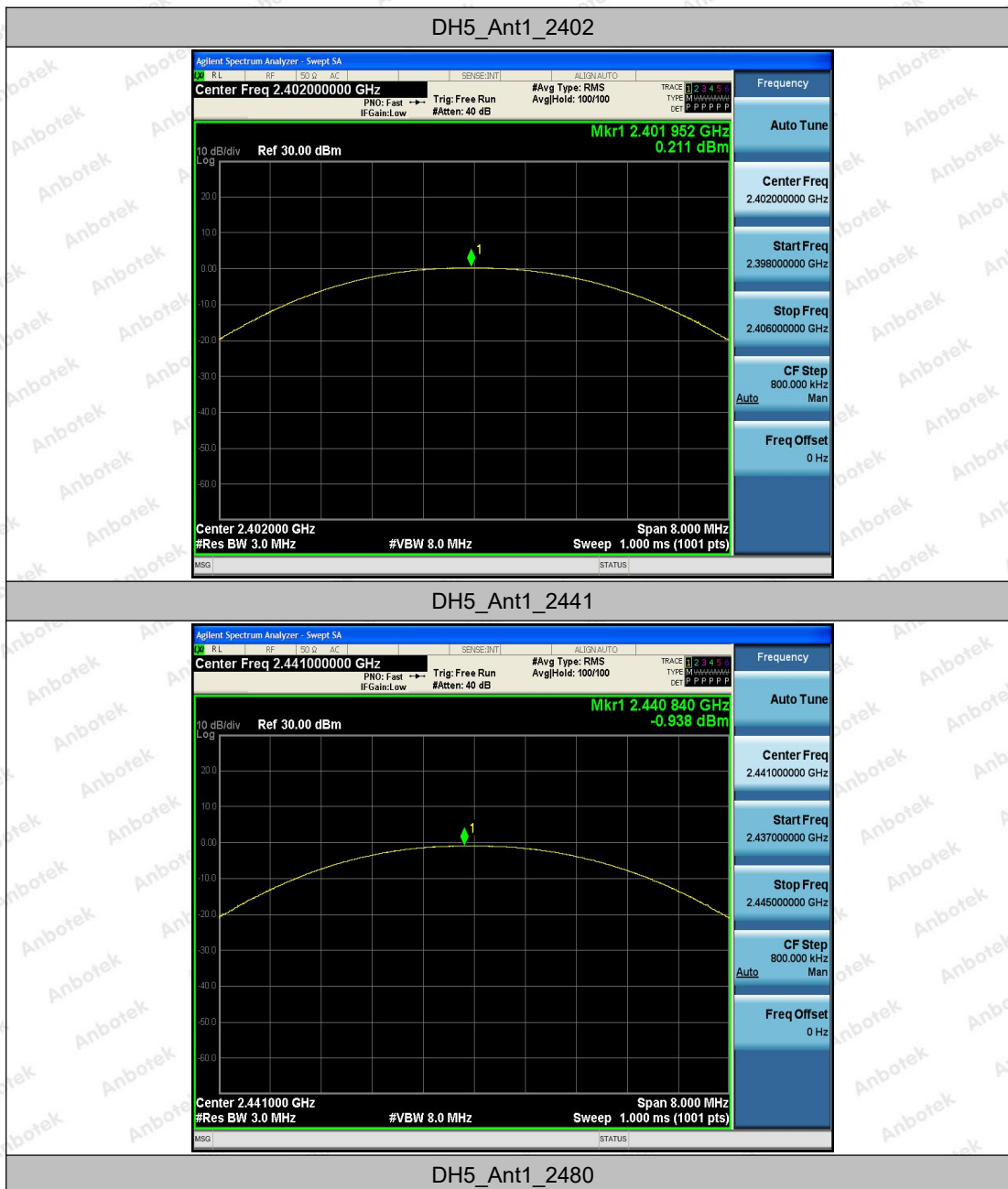
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## Appendix C: Maximum conducted output power

### Test Result

| Test Mode | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|-------------|------------|---------|
| DH5       | Ant1    | 2402    | 0.21        | ≤20.97     | PASS    |
|           |         | 2441    | -0.94       | ≤20.97     | PASS    |
|           |         | 2480    | 0.66        | ≤20.97     | PASS    |

## Test Graphs

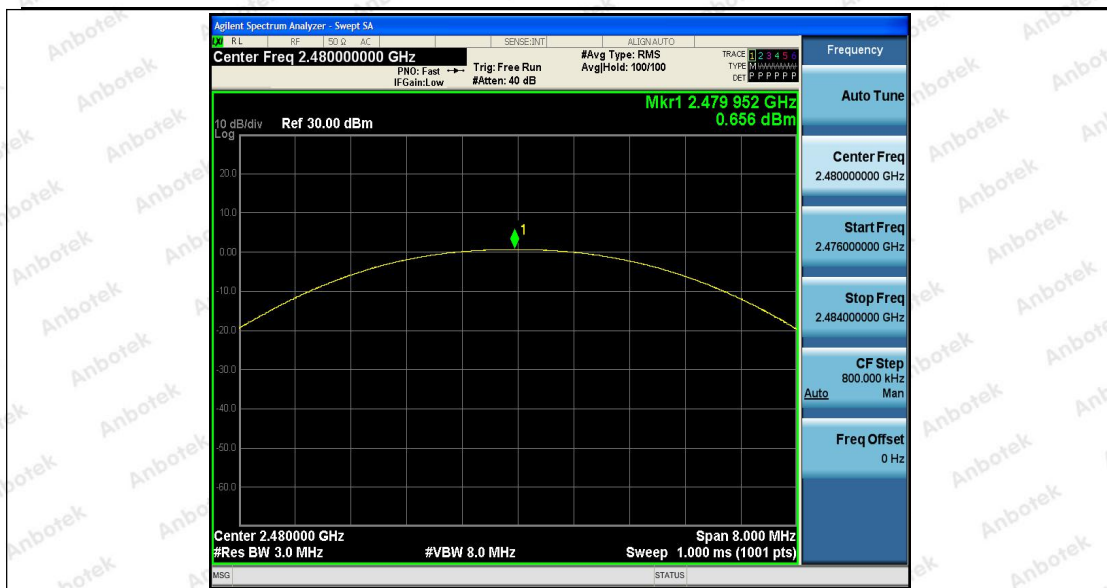


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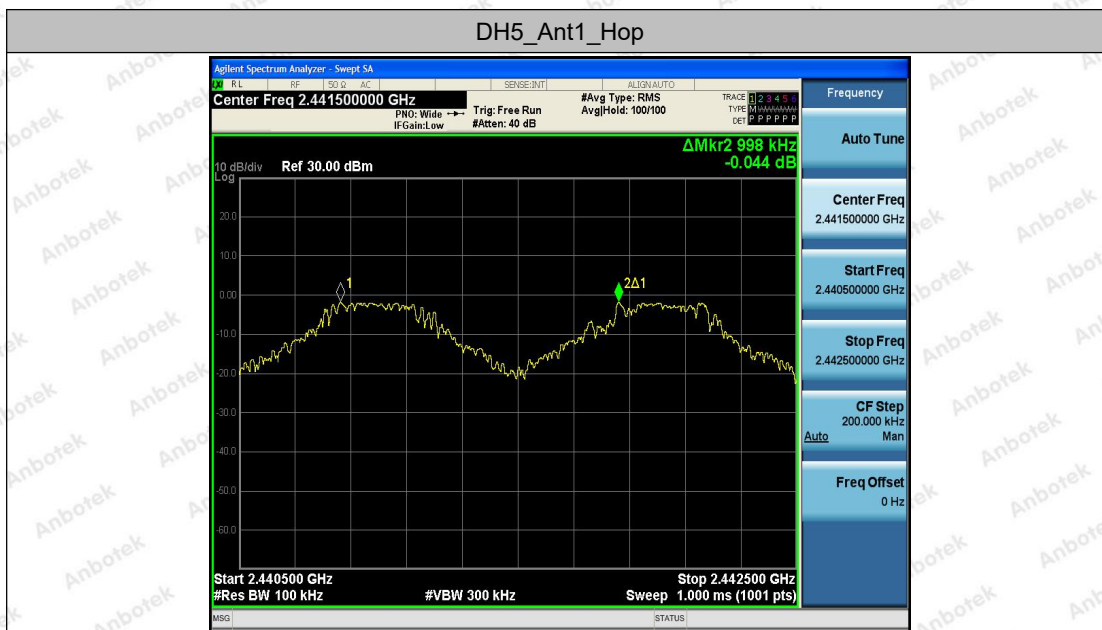
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## Appendix D: Carrier frequency separation

### Test Result

| Test Mode | Antenna | Channel | Result[MHz] | Limit[MHz] | Verdict |
|-----------|---------|---------|-------------|------------|---------|
| DH5       | Ant1    | Hop     | 0.998       | ≥0.951     | PASS    |

## Test Graphs

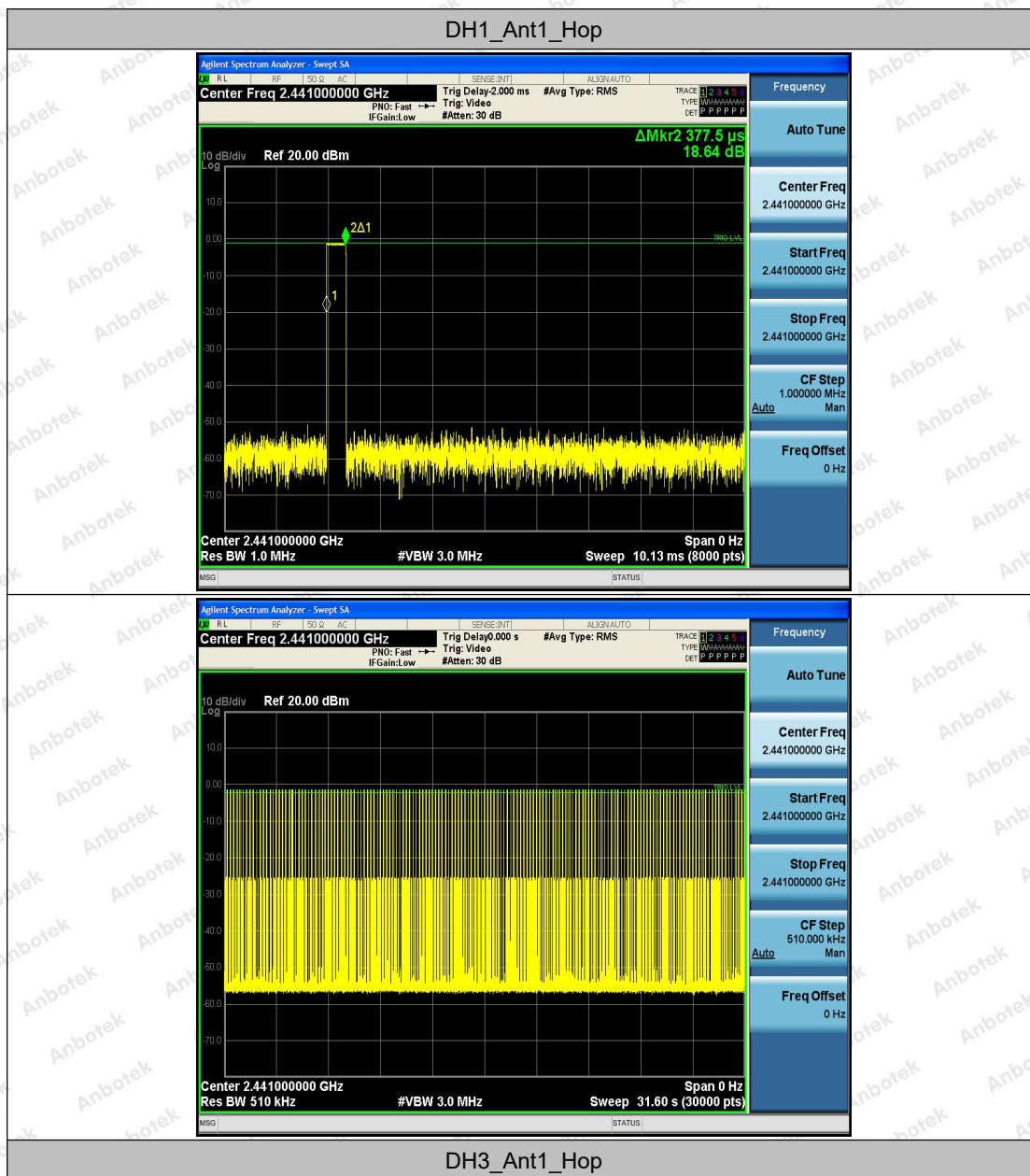


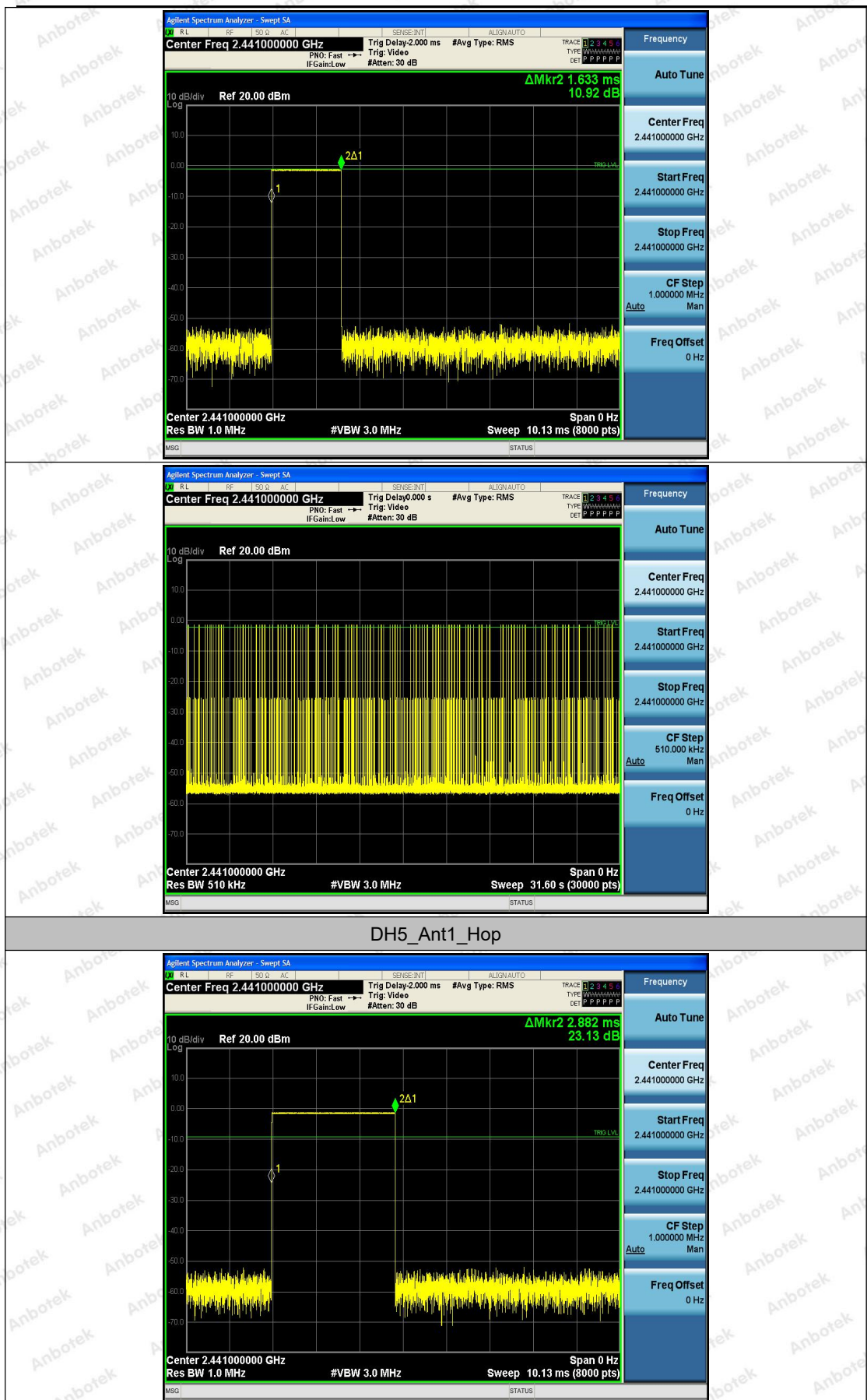
## Appendix E: Time of occupancy

### Test Result

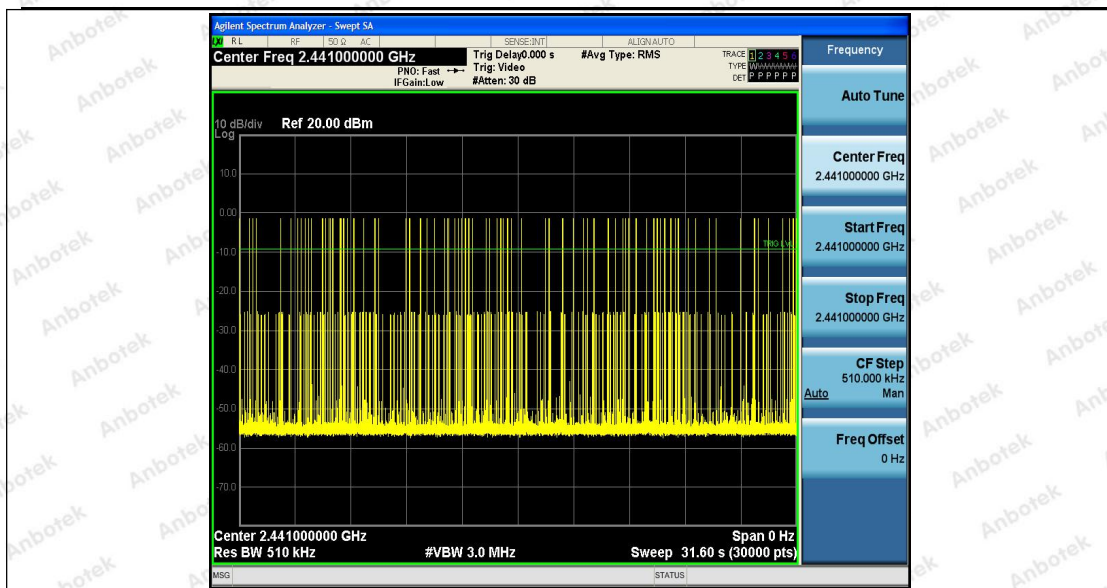
| Test Mode | Antenna | Channel | Burst Width[ms] | Total Hops [Num] | Result[s] | Limit[s] | Verdict |
|-----------|---------|---------|-----------------|------------------|-----------|----------|---------|
| DH1       | Ant1    | Hop     | 0.38            | 313              | 0.118     | ≤0.4     | PASS    |
| DH3       | Ant1    | Hop     | 1.63            | 156              | 0.255     | ≤0.4     | PASS    |
| DH5       | Ant1    | Hop     | 2.88            | 100              | 0.288     | ≤0.4     | PASS    |

## Test Graphs





DH5\_Ant1\_Hop



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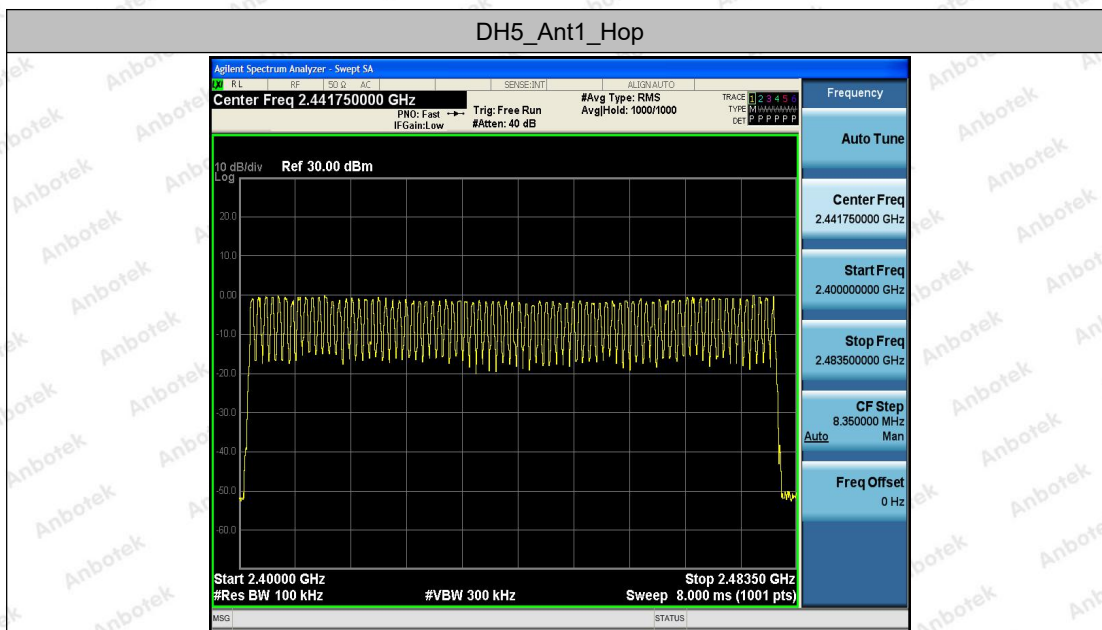
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## Appendix F: Number of hopping channels

### Test Result

| Test Mode | Antenna | Channel | Result[Num] | Limit[Num] | Verdict |
|-----------|---------|---------|-------------|------------|---------|
| DH5       | Ant1    | Hop     | 79          | ≥15        | PASS    |

## Test Graphs



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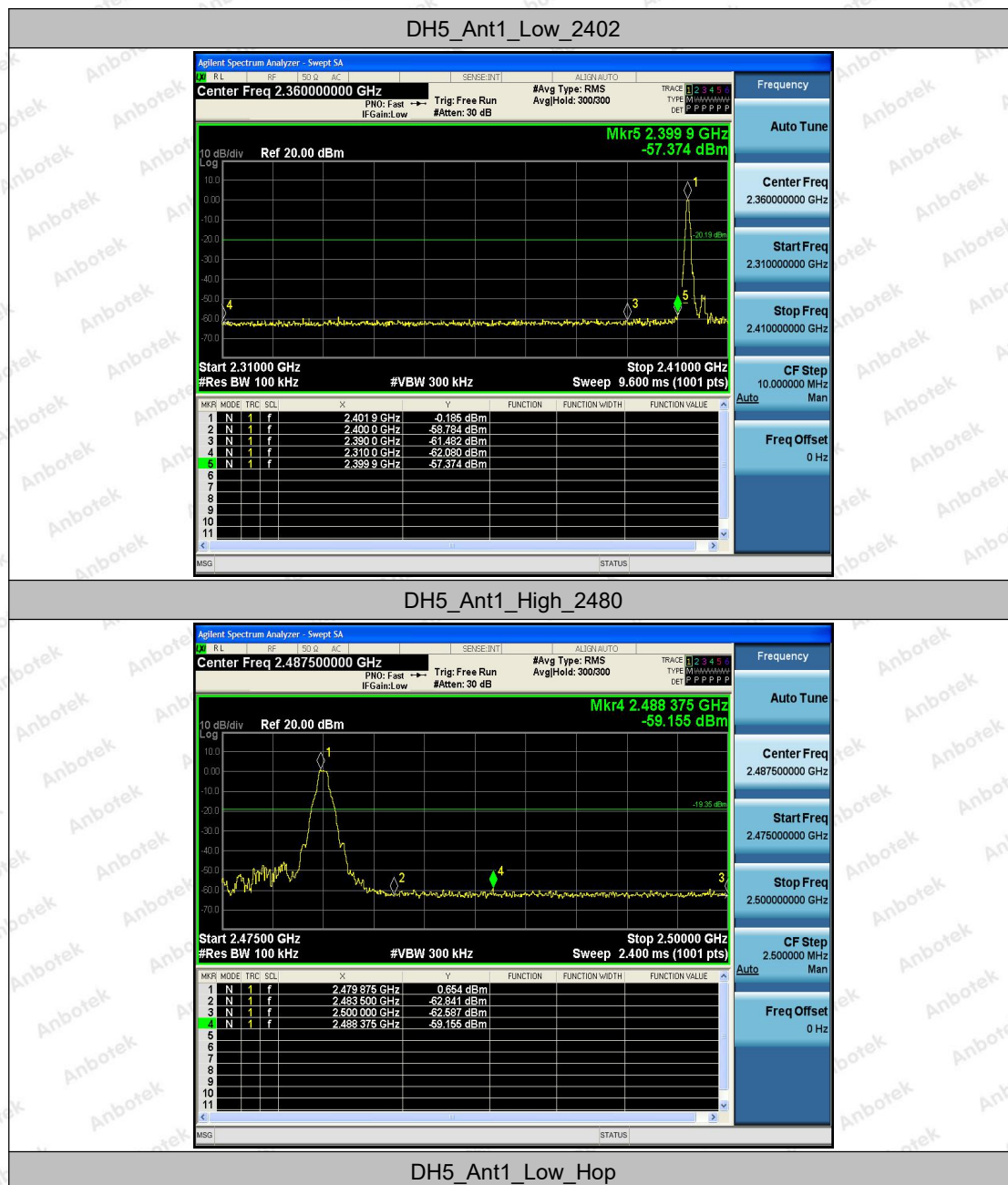
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## Appendix G: Band edge measurements

### Test Result

| Test Mode | Antenna | Ch Name | Channel | Ref Level<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|-----------|---------|---------|---------|--------------------|-----------------|----------------|---------|
| DH5       | Ant1    | Low     | 2402    | -0.19              | -57.37          | ≤-20.19        | PASS    |
|           |         | High    | 2480    | 0.65               | -59.16          | ≤-19.35        | PASS    |
|           |         | Low     | Hop     | -0.23              | -58.87          | ≤-20.23        | PASS    |
|           |         | High    | Hop     | -0.05              | -63.66          | ≤-20.05        | PASS    |

## Test Graphs

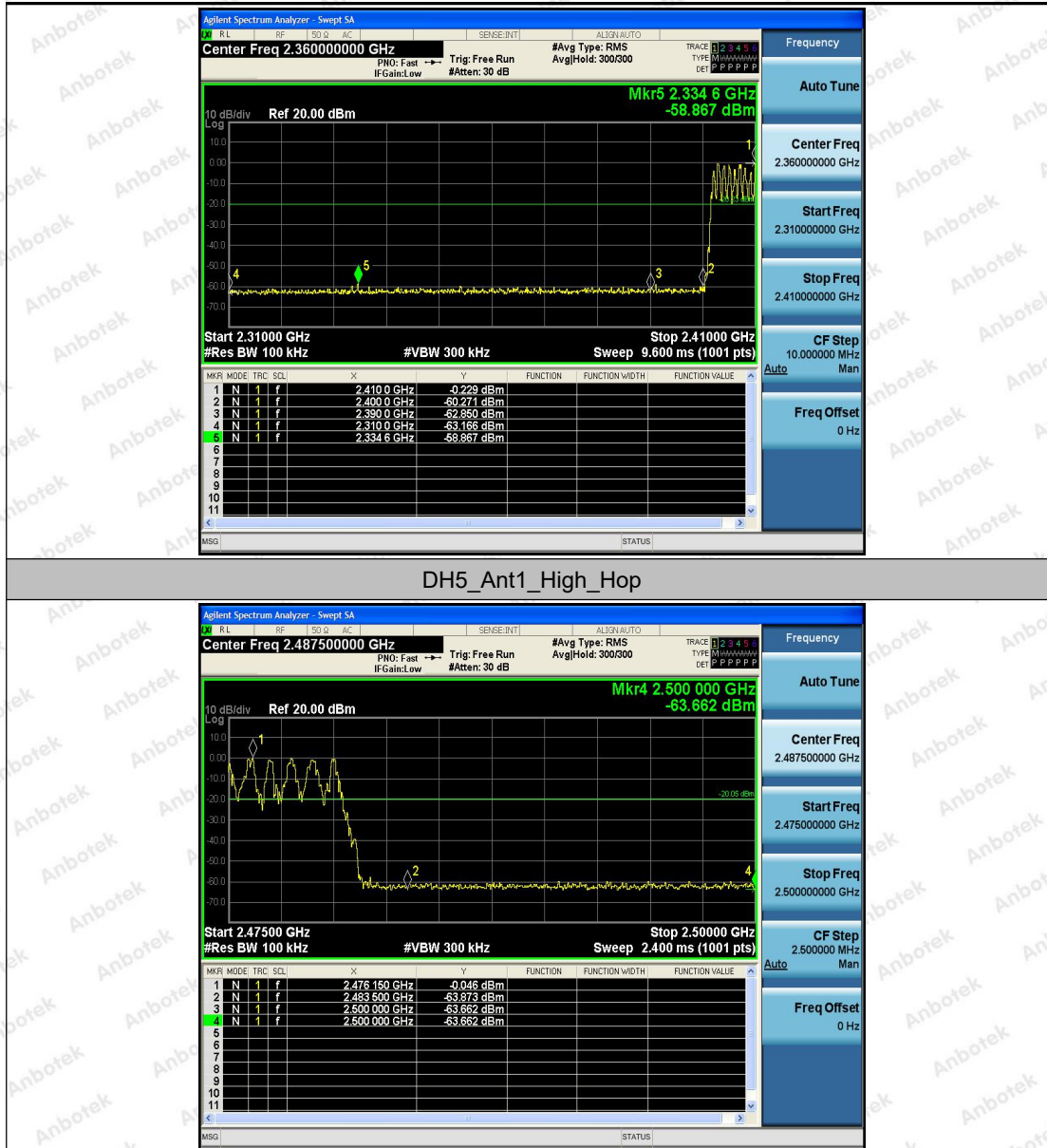


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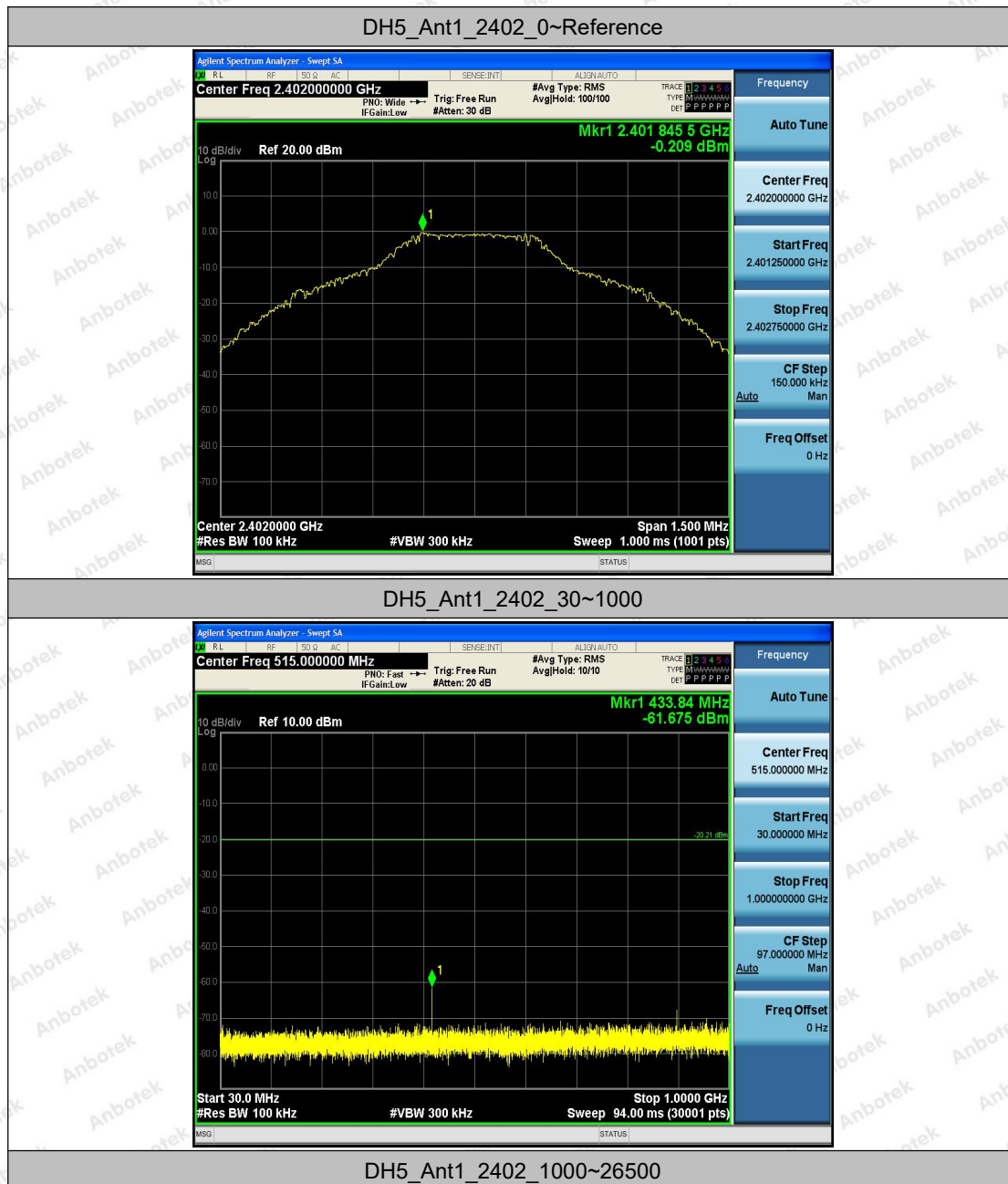
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## Appendix H: Conducted Spurious Emission

### Test Result

| Test Mode | Antenna | Channel | Freq Range<br>[MHz] | Ref Level<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|-----------|---------|---------|---------------------|--------------------|-----------------|----------------|---------|
| DH5       | Ant1    | 2402    | Reference           | -0.21              | -0.21           | ---            | PASS    |
|           |         |         | 30~1000             | -0.21              | -61.68          | $\leq -20.21$  | PASS    |
|           |         |         | 1000~26500          | -0.21              | -45.77          | $\leq -20.21$  | PASS    |
|           |         | 2441    | Reference           | -1.32              | -1.32           | ---            | PASS    |
|           |         |         | 30~1000             | -1.32              | -70.01          | $\leq -21.32$  | PASS    |
|           |         |         | 1000~26500          | -1.32              | -46.6           | $\leq -21.32$  | PASS    |
|           |         | 2480    | Reference           | -0.10              | -0.10           | ---            | PASS    |
|           |         |         | 30~1000             | -0.10              | -69.93          | $\leq -20.1$   | PASS    |
|           |         |         | 1000~26500          | -0.10              | -51.89          | $\leq -20.1$   | PASS    |

## Test Graphs



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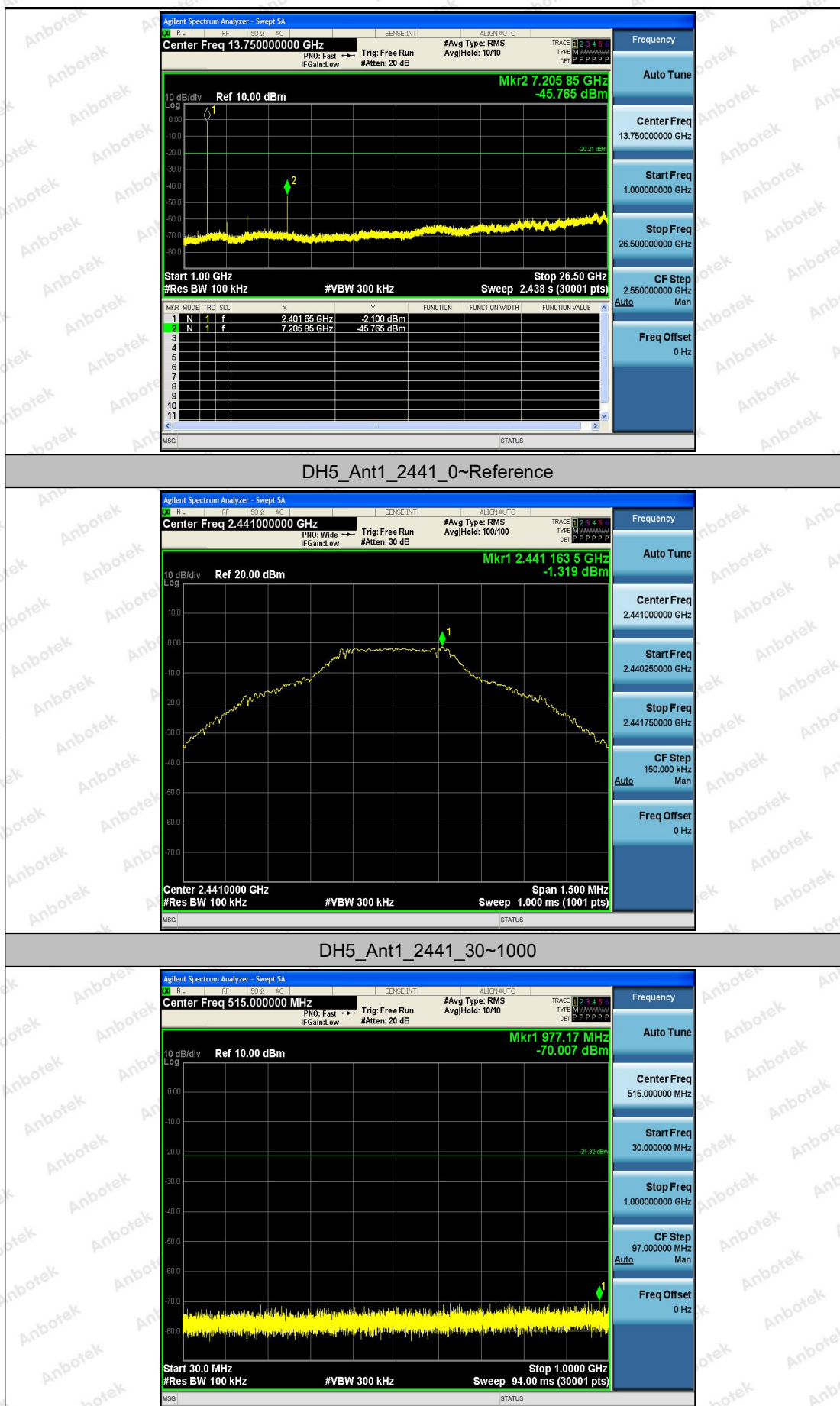
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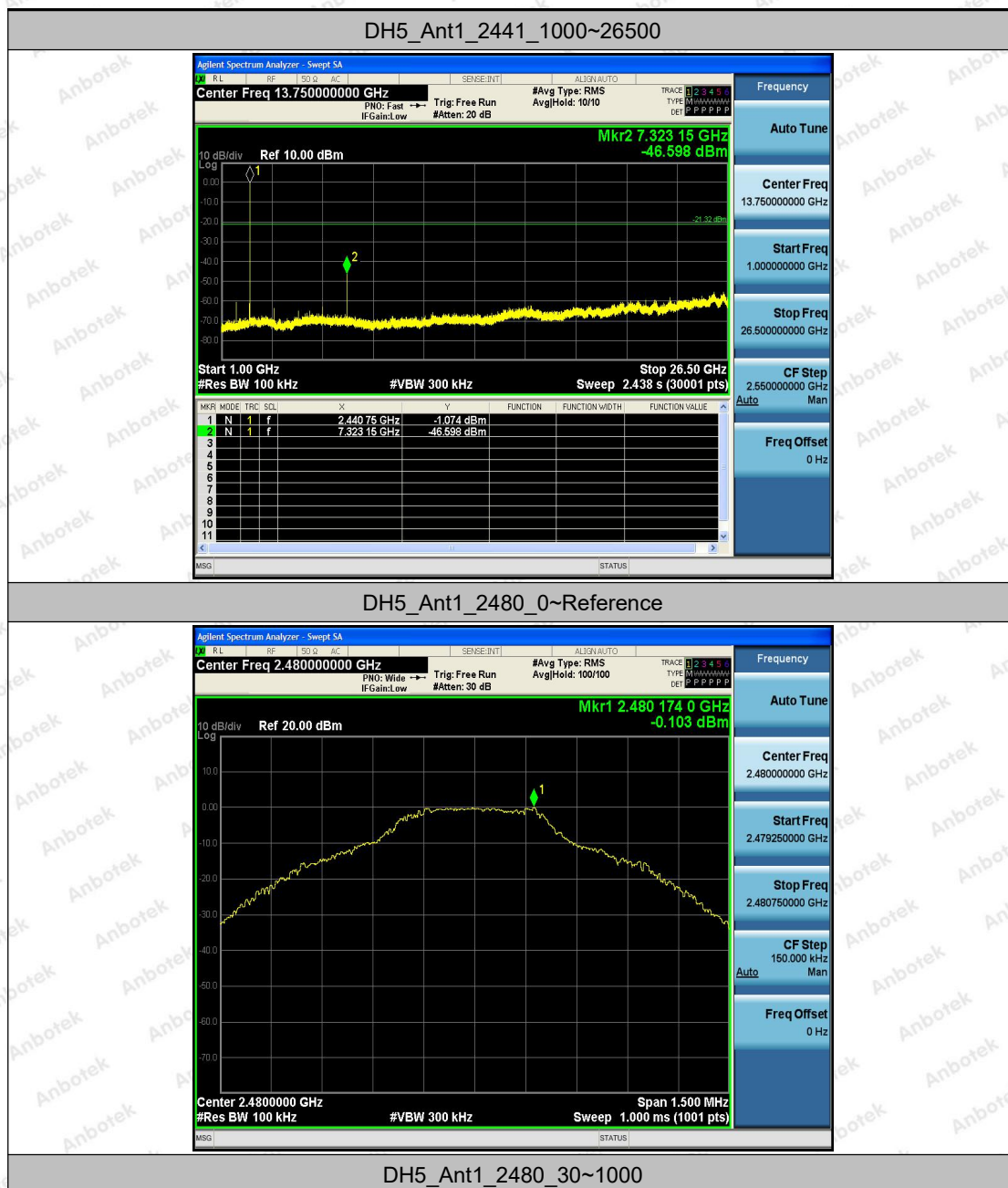


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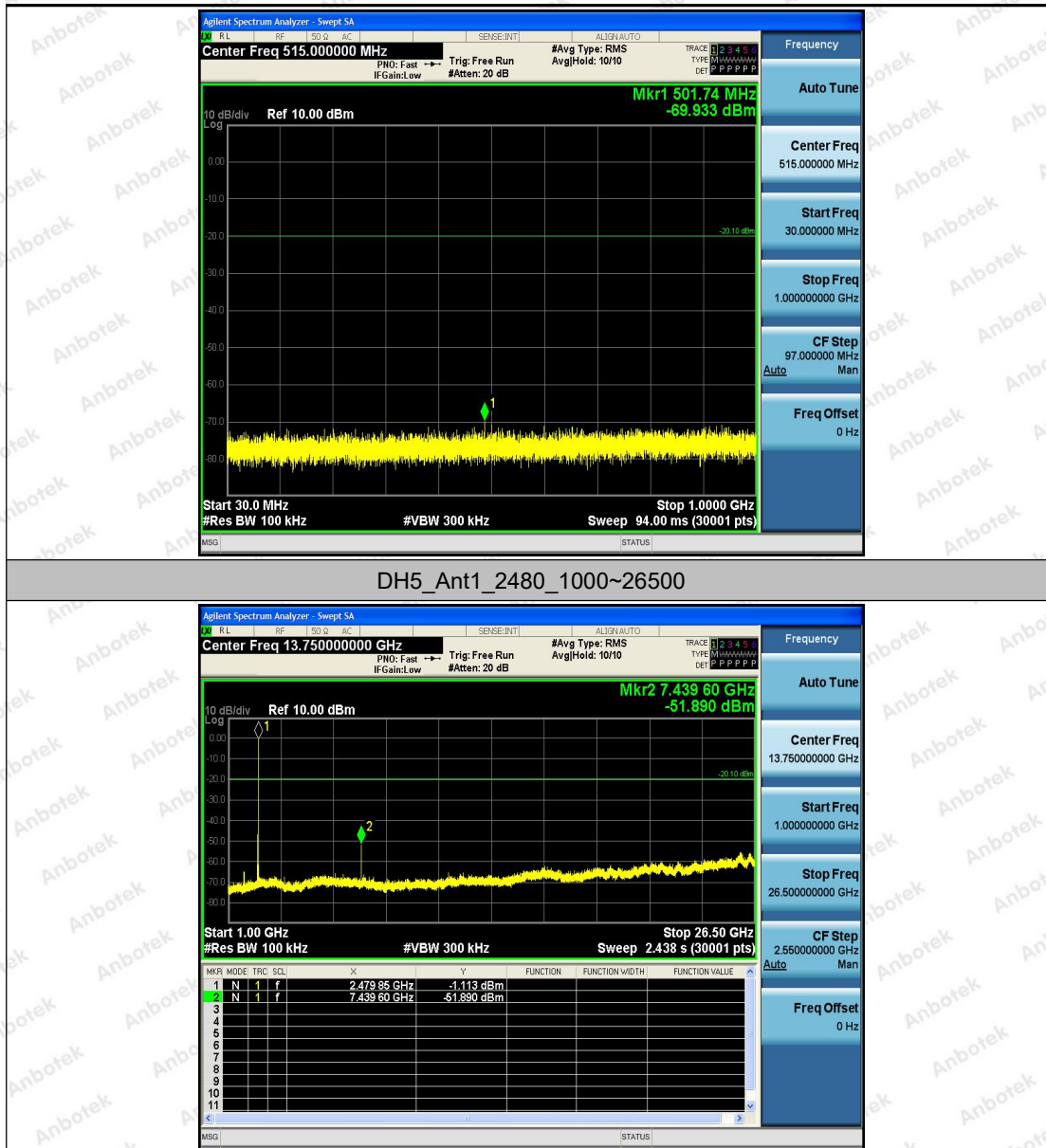


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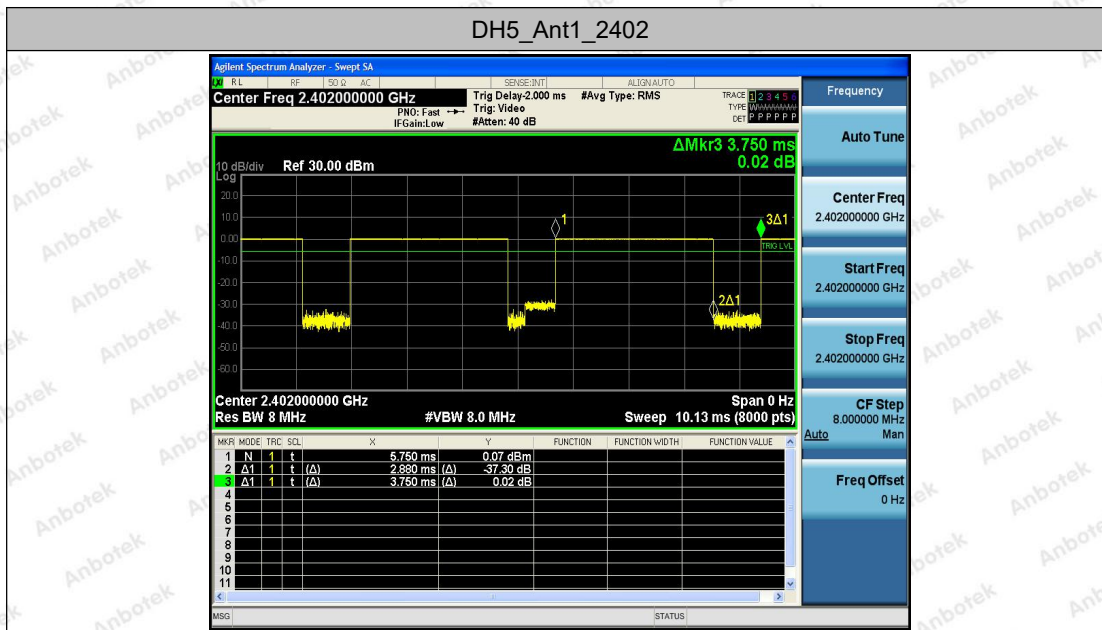
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## Appendix I: Duty Cycle

### Test Result

| Test Mode | Antenna | Channel | ON Time<br>[ms] | Period<br>[ms] | X      | DC<br>[%] | x Factor | Limit | Verdict |
|-----------|---------|---------|-----------------|----------------|--------|-----------|----------|-------|---------|
| DH5       | Ant1    | 2402    | 2.88            | 3.75           | 0.7680 | 76.80     | 1.15     | ---   | PASS    |

## Test Graphs



---End---