

## **Appendix for Bluetooth**

Product Name: BLUETOOTH SPEAKER

Model No: GMAX-S6500

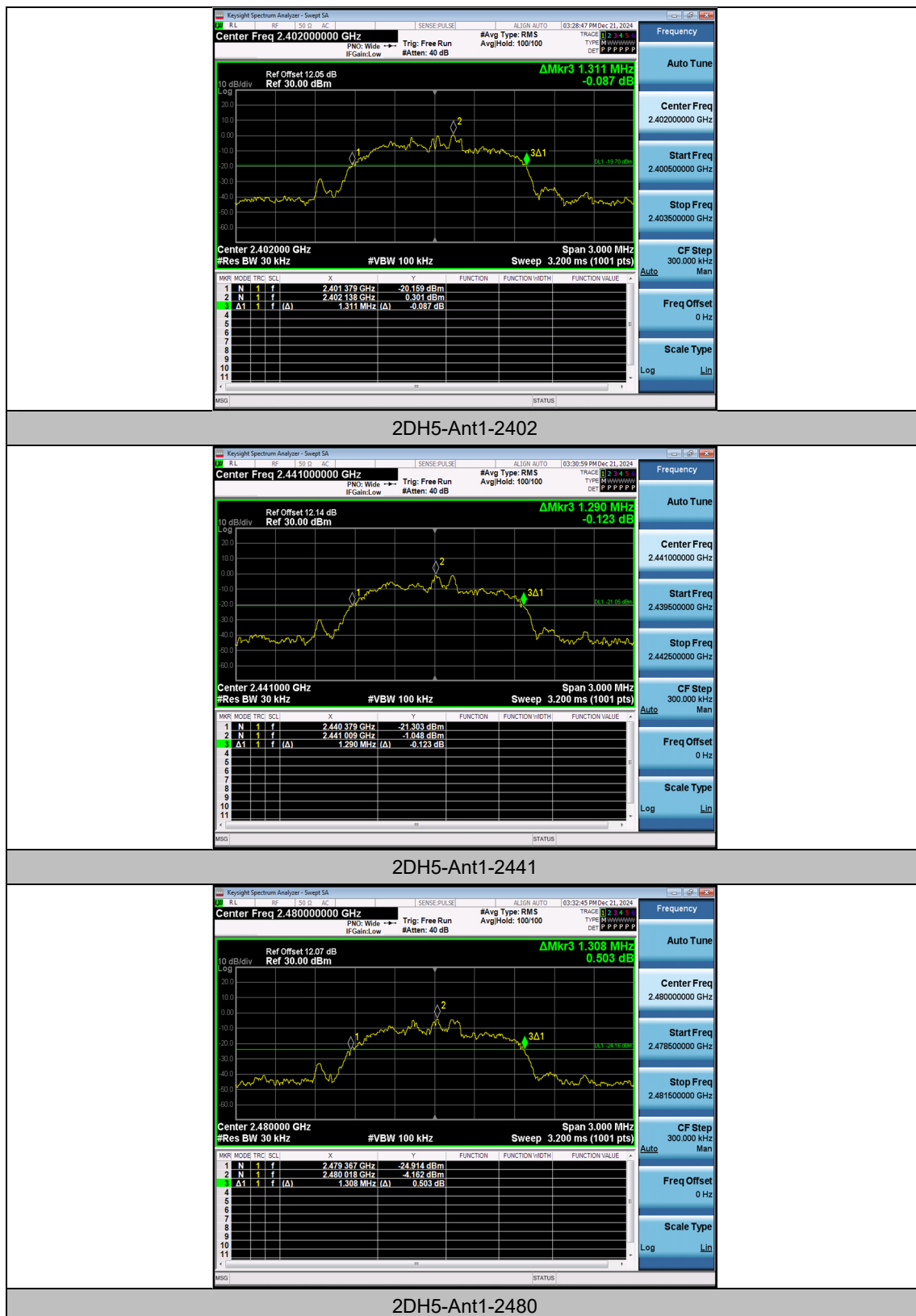
## Appendix A: 20dB Emission Bandwidth

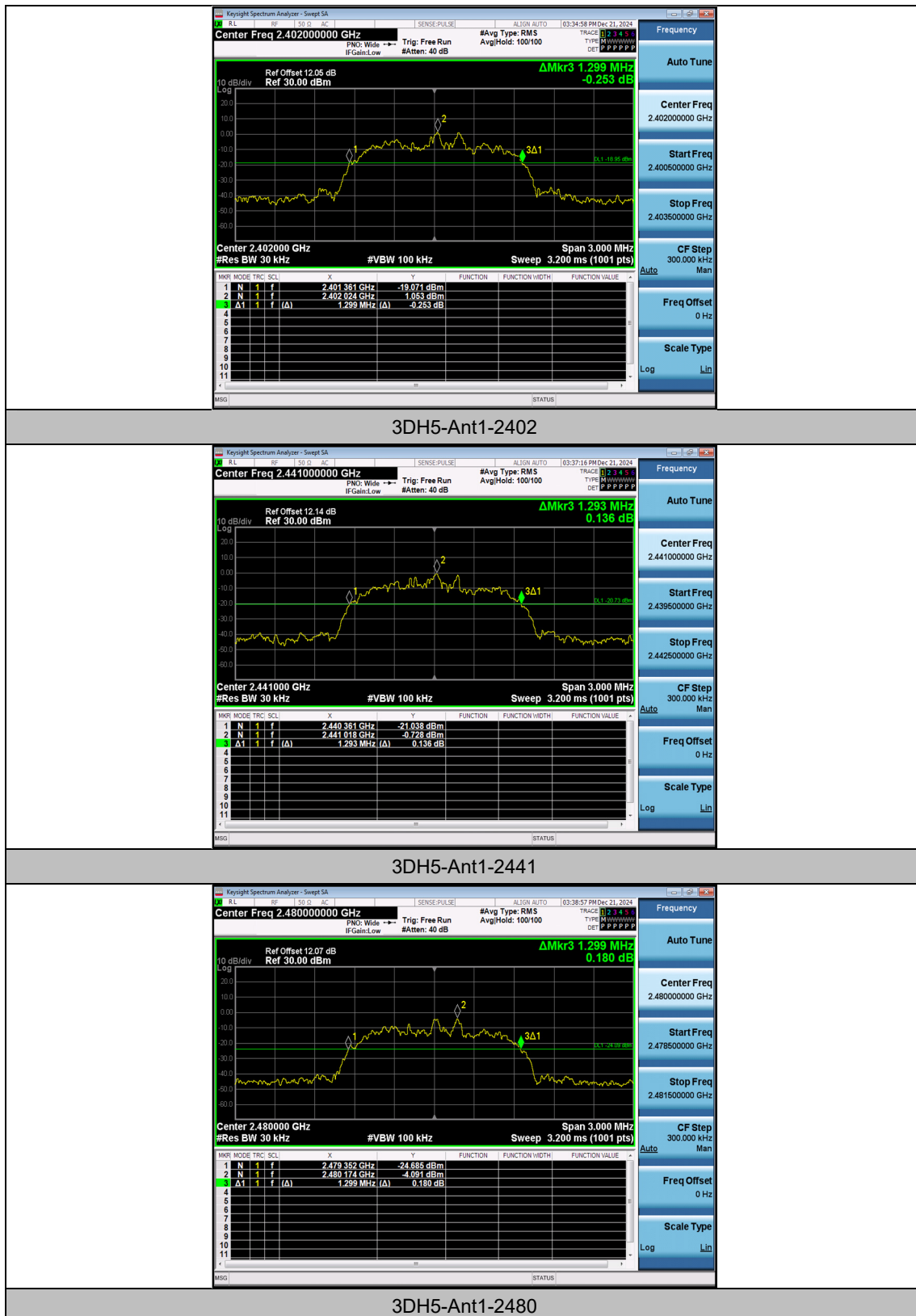
### Test Result

| TestMode | Antenna | Frequency[MHz] | 20db<br>EBW[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|----------------|------------------|----------|----------|------------|---------|
| DH5      | Ant1    | 2402           | 0.888            | 2401.553 | 2402.441 | ---        | ---     |
| DH5      | Ant1    | 2441           | 0.972            | 2440.511 | 2441.483 | ---        | ---     |
| DH5      | Ant1    | 2480           | 1.038            | 2479.484 | 2480.522 | ---        | ---     |
| 2DH5     | Ant1    | 2402           | 1.311            | 2401.379 | 2402.690 | ---        | ---     |
| 2DH5     | Ant1    | 2441           | 1.290            | 2440.379 | 2441.669 | ---        | ---     |
| 2DH5     | Ant1    | 2480           | 1.308            | 2479.367 | 2480.675 | ---        | ---     |
| 3DH5     | Ant1    | 2402           | 1.299            | 2401.361 | 2402.660 | ---        | ---     |
| 3DH5     | Ant1    | 2441           | 1.293            | 2440.361 | 2441.654 | ---        | ---     |
| 3DH5     | Ant1    | 2480           | 1.299            | 2479.352 | 2480.651 | ---        | ---     |

## Test Graphs





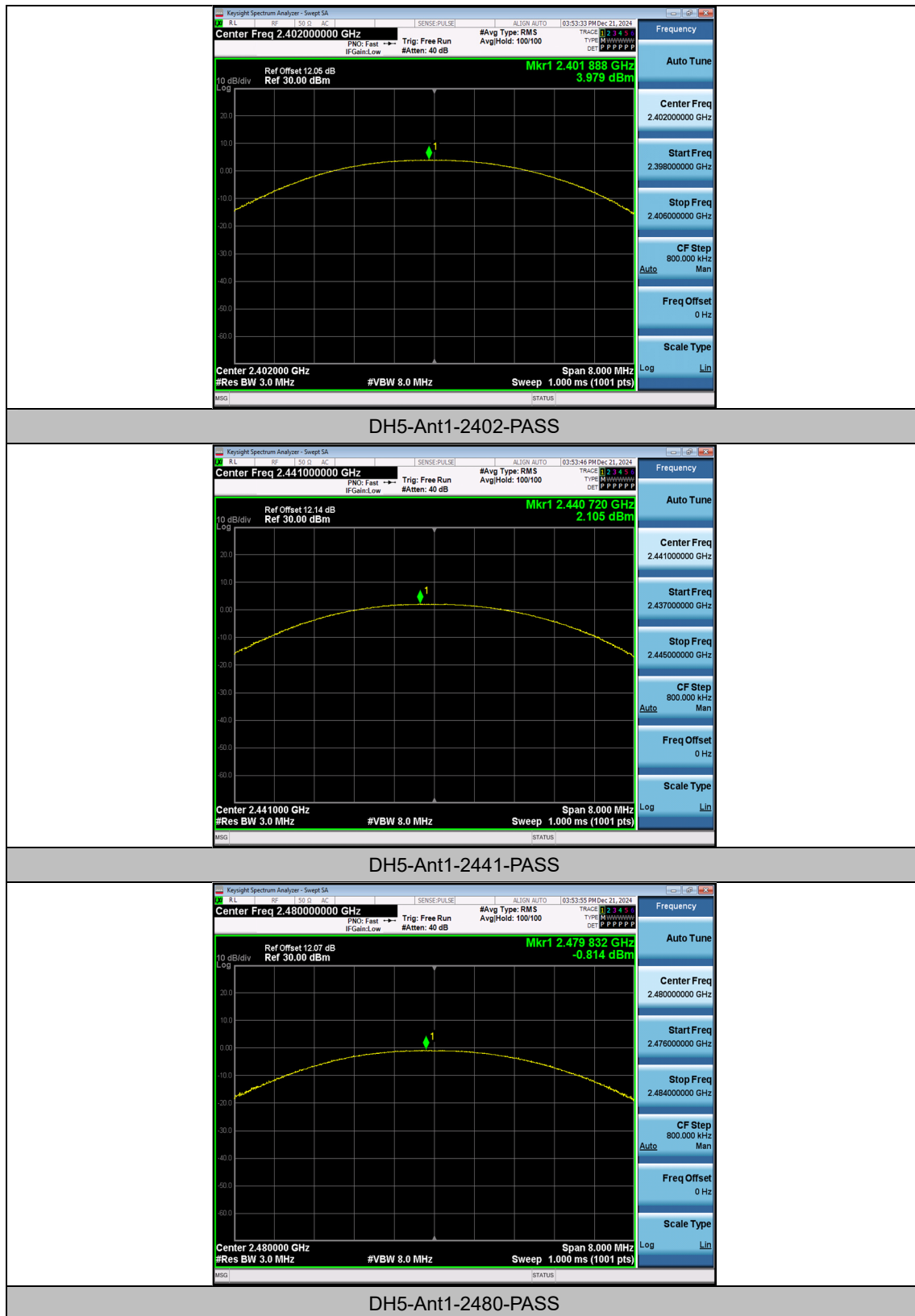


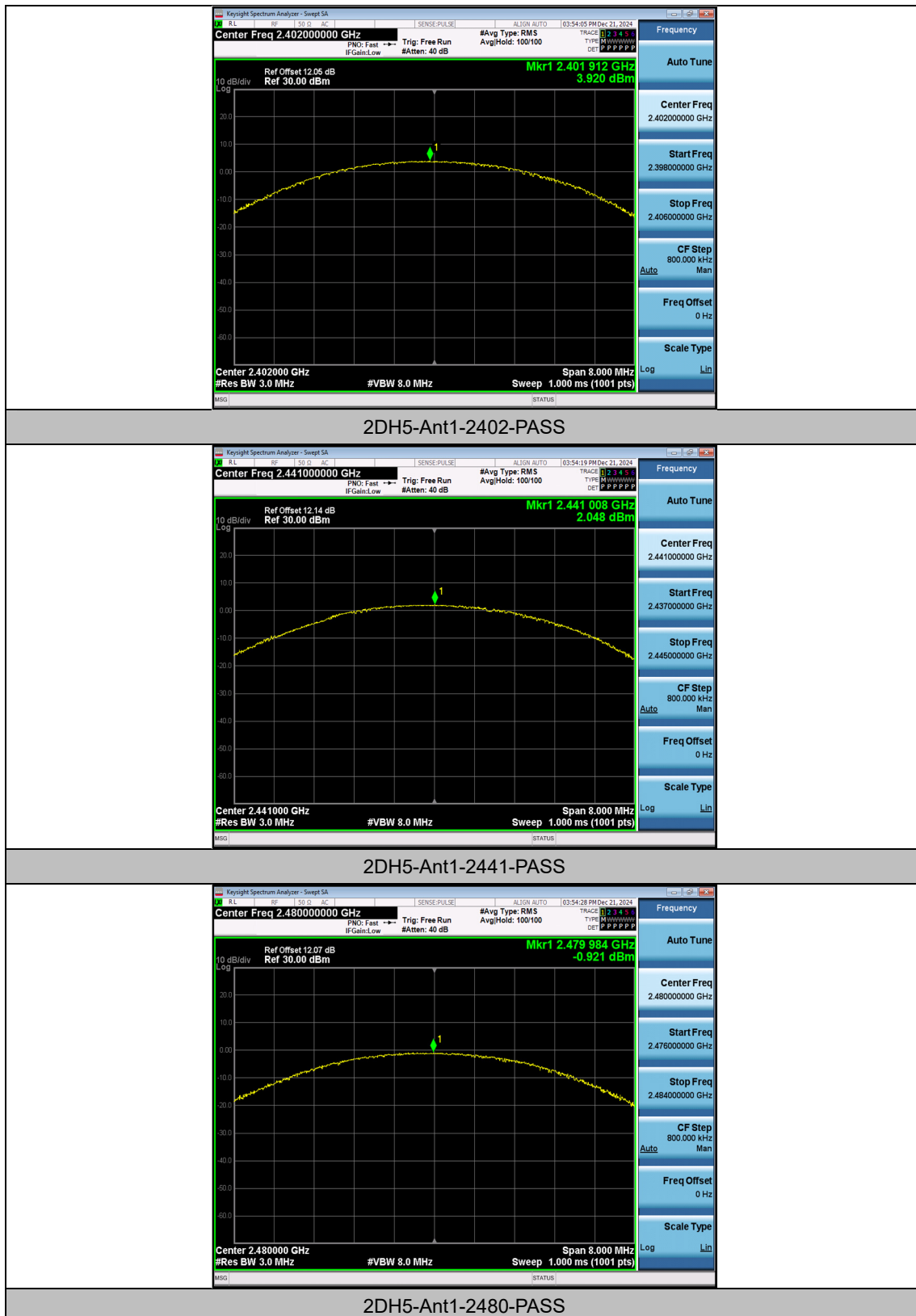
## Appendix B: Maximum conducted output power

### Test Result Peak

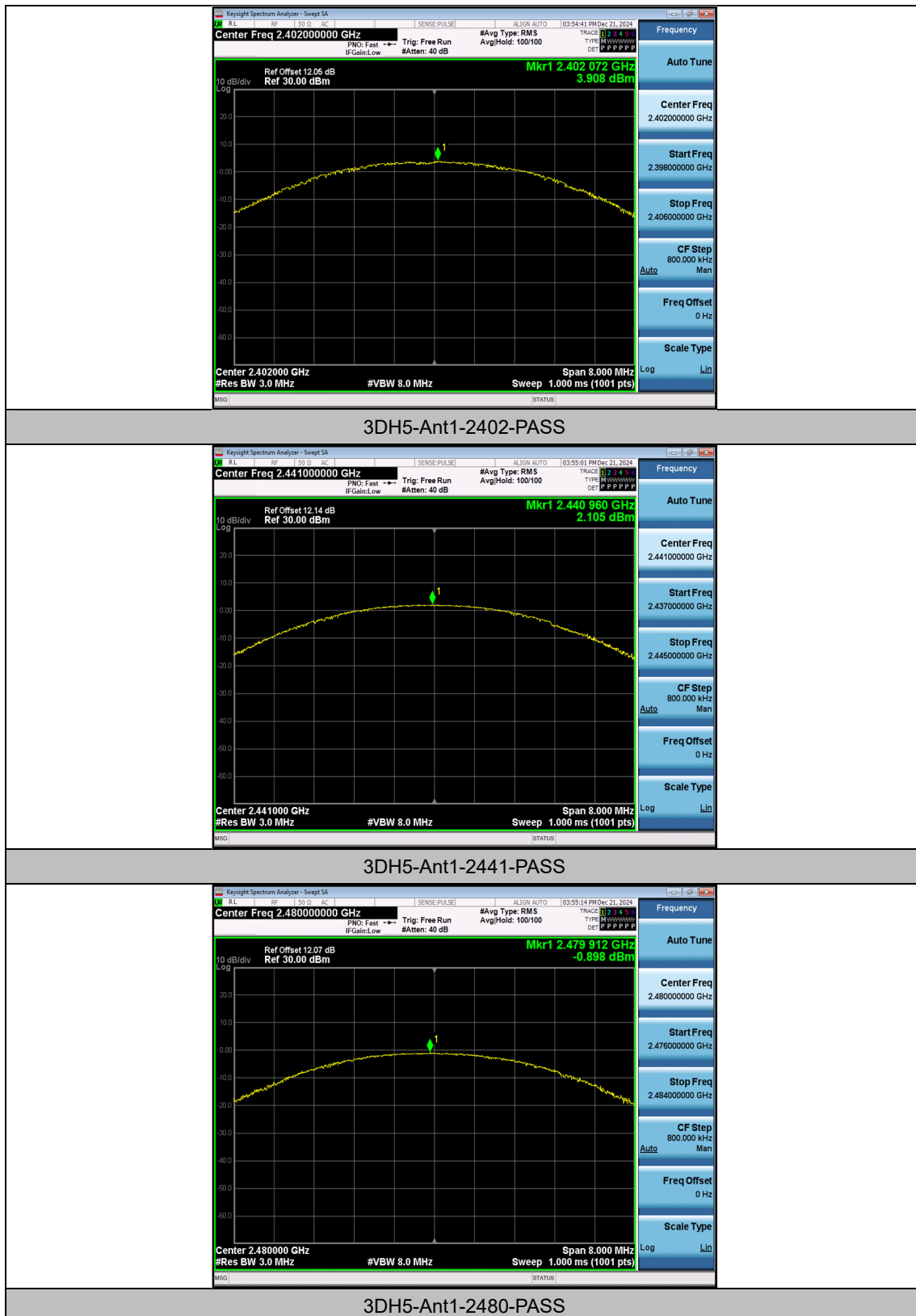
| Test Mode | Antenna | Frequency[MHz] | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|-----------|---------|----------------|---------------------------|----------------------|---------|
| DH5       | Ant1    | 2402           | 3.98                      | $\leq 20.97$         | PASS    |
| DH5       | Ant1    | 2441           | 2.11                      | $\leq 20.97$         | PASS    |
| DH5       | Ant1    | 2480           | -0.81                     | $\leq 20.97$         | PASS    |
| 2DH5      | Ant1    | 2402           | 3.92                      | $\leq 20.97$         | PASS    |
| 2DH5      | Ant1    | 2441           | 2.05                      | $\leq 20.97$         | PASS    |
| 2DH5      | Ant1    | 2480           | -0.92                     | $\leq 20.97$         | PASS    |
| 3DH5      | Ant1    | 2402           | 3.91                      | $\leq 20.97$         | PASS    |
| 3DH5      | Ant1    | 2441           | 2.11                      | $\leq 20.97$         | PASS    |
| 3DH5      | Ant1    | 2480           | -0.90                     | $\leq 20.97$         | PASS    |

## Test Graphs







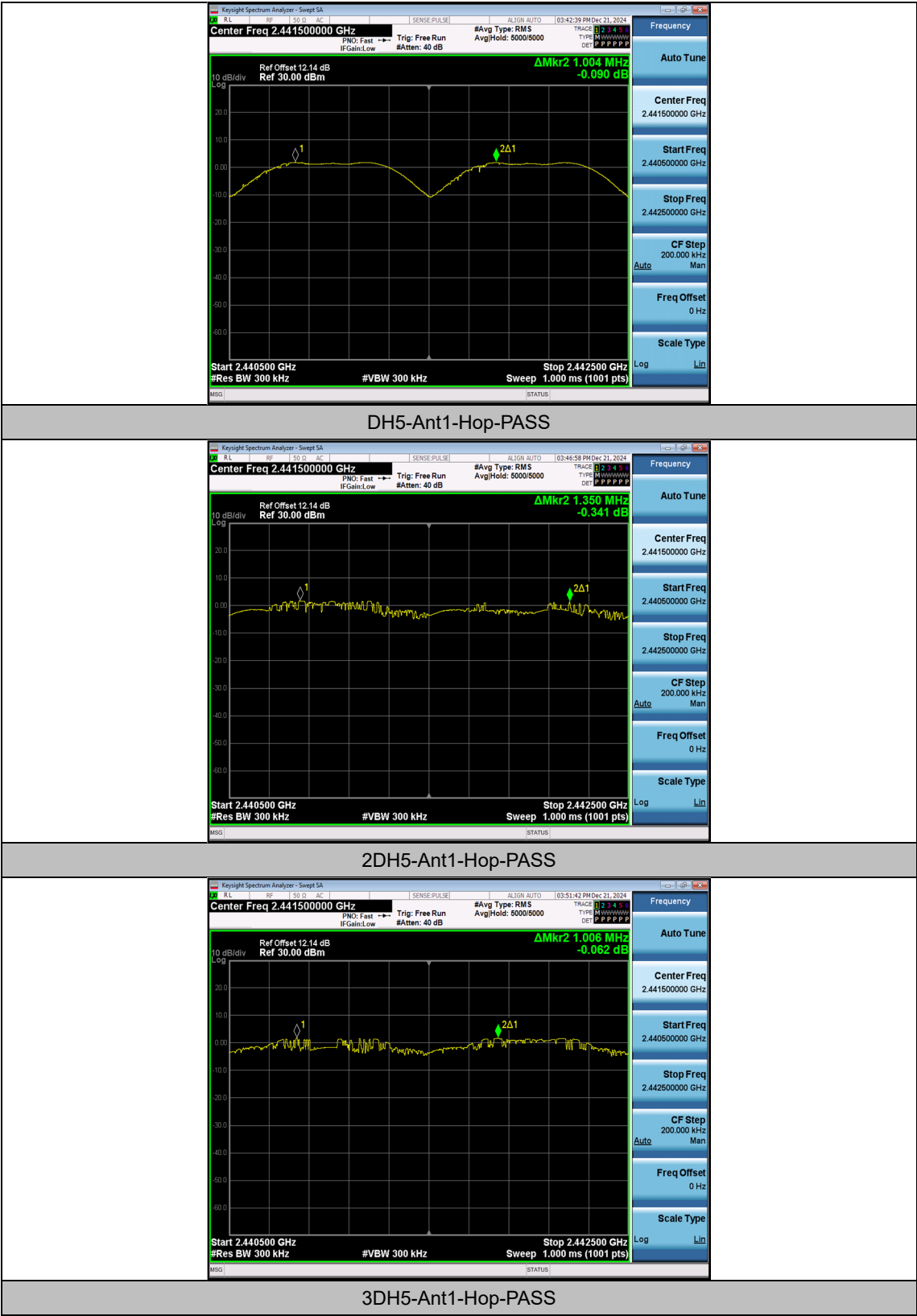


## Appendix C: Carrier frequency separation

### Test Result

| TestMode | Antenna | Frequency[MHz] | Result[MHz] | Limit[MHz]   | Verdict |
|----------|---------|----------------|-------------|--------------|---------|
| DH5      | Ant1    | Hop            | 1.004       | $\geq 0.692$ | PASS    |
| 2DH5     | Ant1    | Hop            | 1.350       | $\geq 0.860$ | PASS    |
| 3DH5     | Ant1    | Hop            | 1.006       | $\geq 0.866$ | PASS    |

Test Graphs



## Appendix D: Time of occupancy

### Test Result

| TestMode | Antenna | Frequency[MHz] | BurstWidth<br>[ms] | TotalHops<br>[Num] | Result[s] | Limit[s] | Verdict |
|----------|---------|----------------|--------------------|--------------------|-----------|----------|---------|
| DH5      | Ant1    | Hop            | 2.891              | 100                | 0.289     | ≤0.4     | PASS    |
| 2DH5     | Ant1    | Hop            | 2.885              | 100                | 0.289     | ≤0.4     | PASS    |
| 3DH5     | Ant1    | Hop            | 2.887              | 130                | 0.375     | ≤0.4     | PASS    |