

# Test Data Appendix For BT

## Table of Contents

|                                      |    |
|--------------------------------------|----|
| Table of Contents .....              | 2  |
| 20dB Emission Band width .....       | 3  |
| 99% Occupied Bandwidth .....         | 8  |
| Conducted Output Power .....         | 13 |
| Carrier Frequencies Separation ..... | 18 |
| Hopping Channel Number .....         | 21 |
| Dwell Time .....                     | 24 |
| Band-edge Emission.....              | 32 |
| Conduction Spurious Emission .....   | 38 |



## 20dB Emission Band width

| Test Mode | Antenna | Frequency (MHz) | 20dB EBW [MHz] | FL [MHz] | FH [MHz] |
|-----------|---------|-----------------|----------------|----------|----------|
| DH5       | Ant1    | 2402            | 0.960          | 2401.553 | 2402.513 |
|           |         | 2441            | 0.963          | 2440.550 | 2441.513 |
|           |         | 2480            | 0.963          | 2479.550 | 2480.513 |
| 2DH5      | Ant1    | 2402            | 1.281          | 2401.385 | 2402.666 |
|           |         | 2441            | 1.284          | 2440.385 | 2441.669 |
|           |         | 2480            | 1.284          | 2479.385 | 2480.669 |
| 3DH5      | Ant1    | 2402            | 1.293          | 2401.370 | 2402.663 |
|           |         | 2441            | 1.296          | 2440.370 | 2441.666 |
|           |         | 2480            | 1.299          | 2479.370 | 2480.669 |

## Test Graphs

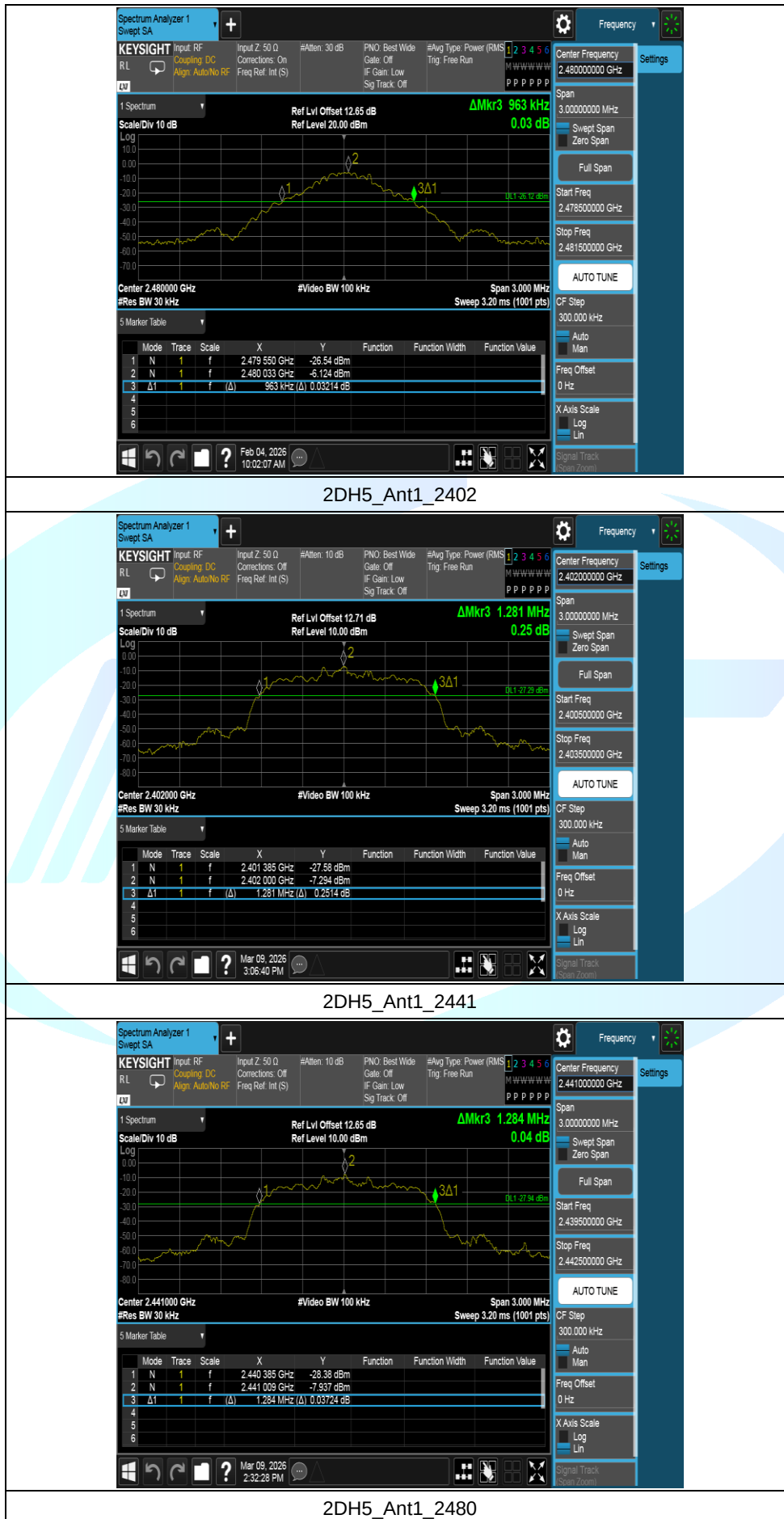
### DH5\_Ant1\_2402

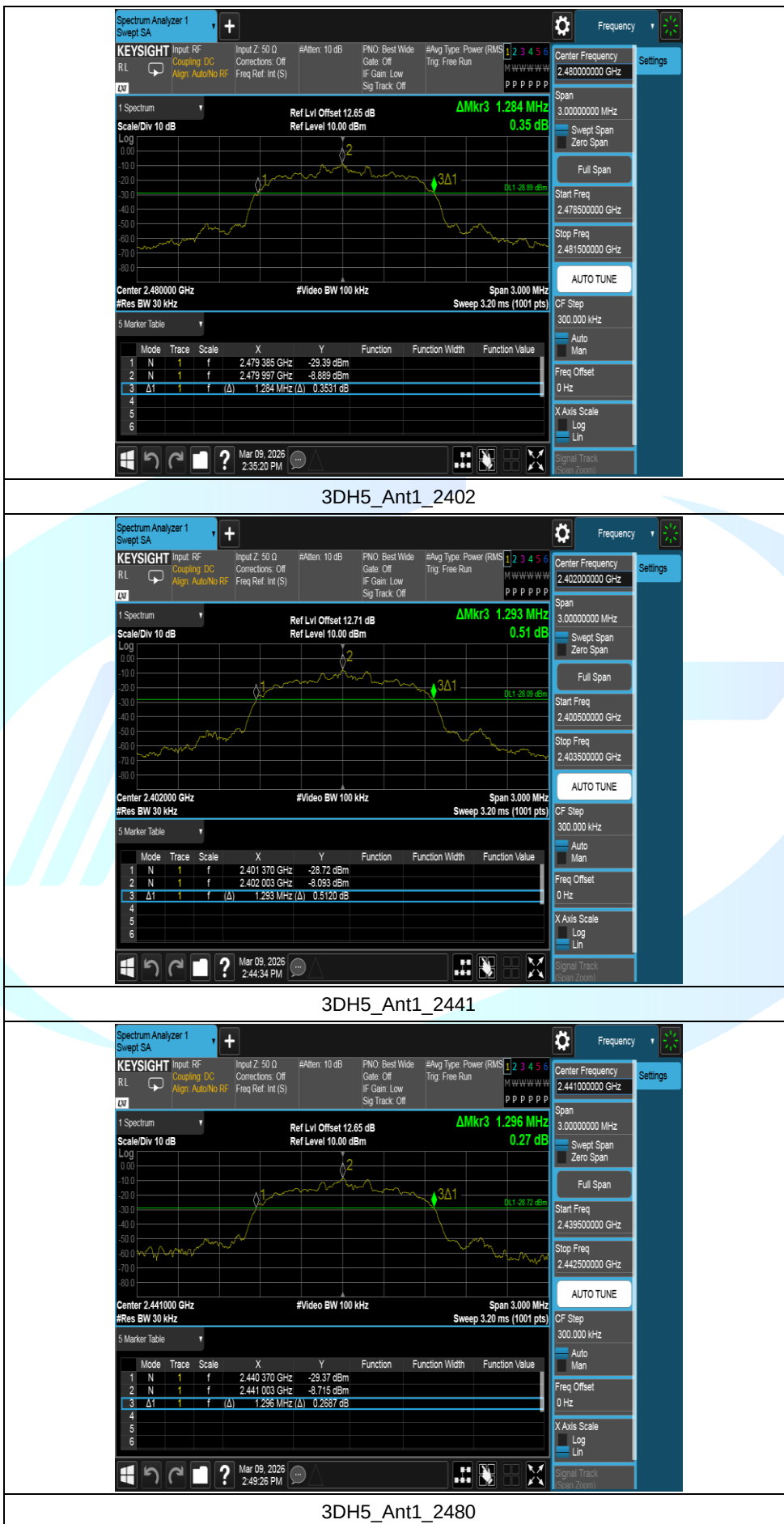


### DH5\_Ant1\_2441



### DH5\_Ant1\_2480

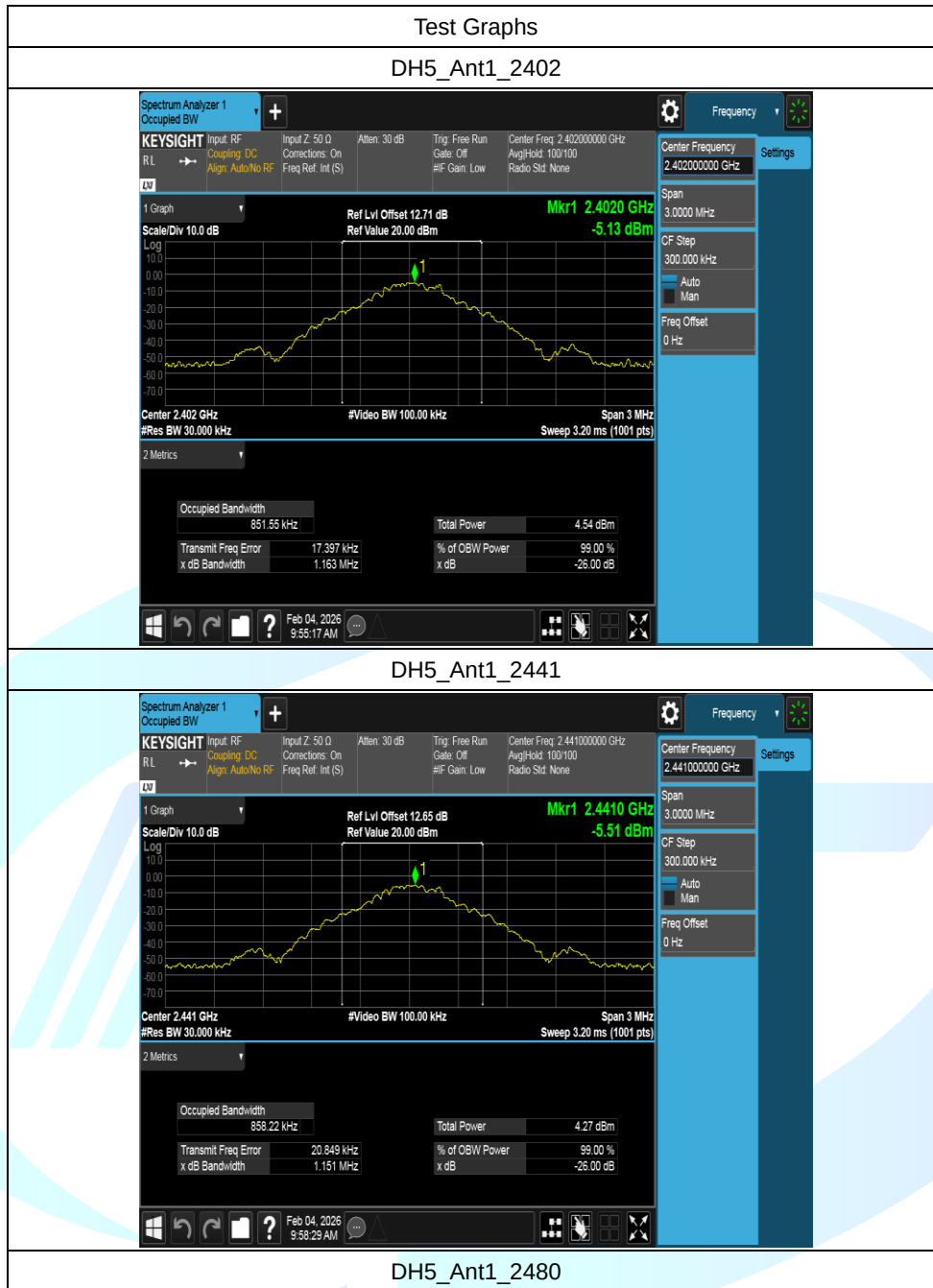






## 99% Occupied Bandwidth

| Test Mode | Antenna | Frequency (MHz) | OCB [MHz] | FL [MHz]  | FH [MHz]  |
|-----------|---------|-----------------|-----------|-----------|-----------|
| DH5       | Ant1    | 2402            | 0.85155   | 2401.5916 | 2402.4432 |
|           |         | 2441            | 0.85822   | 2440.5917 | 2441.4500 |
|           |         | 2480            | 0.87333   | 2479.5829 | 2480.4562 |
| 2DH5      | Ant1    | 2402            | 1.1666    | 2401.4326 | 2402.5992 |
|           |         | 2441            | 1.1605    | 2440.4364 | 2441.5969 |
|           |         | 2480            | 1.1771    | 2479.4290 | 2480.6061 |
| 3DH5      | Ant1    | 2402            | 1.1665    | 2401.4371 | 2402.6036 |
|           |         | 2441            | 1.1744    | 2440.4324 | 2441.6068 |
|           |         | 2480            | 1.1874    | 2479.4248 | 2480.6122 |



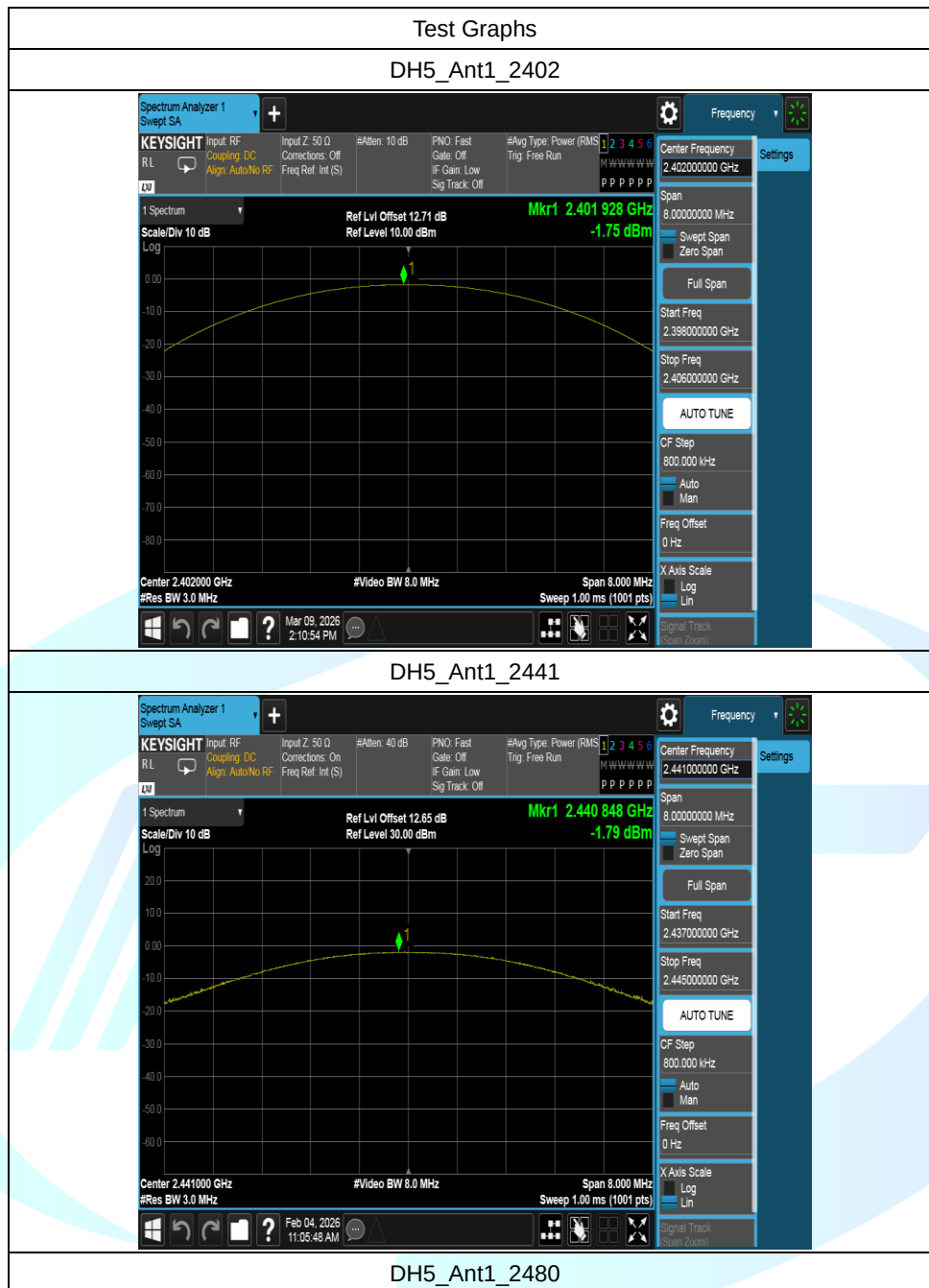






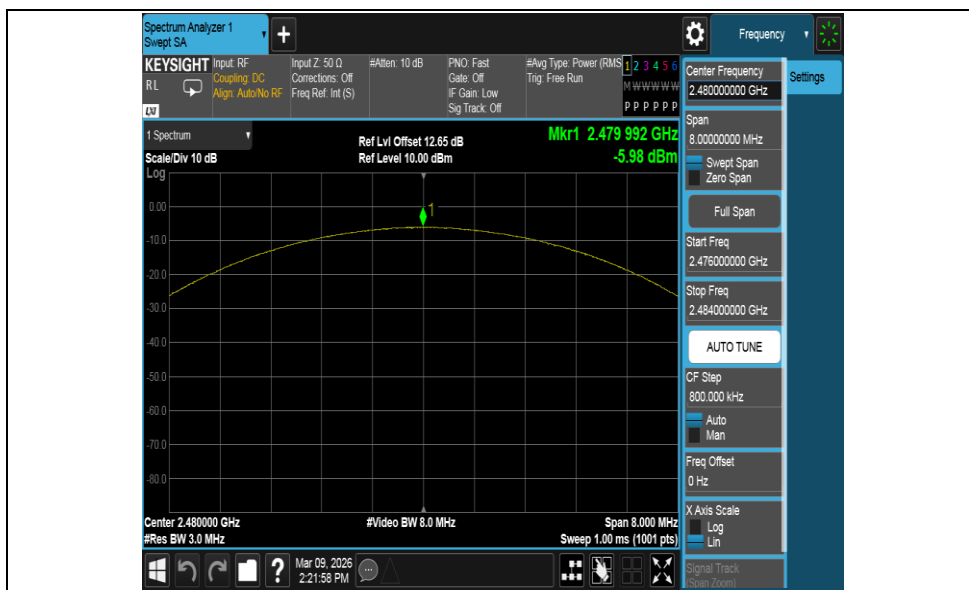
## Conducted Output Power

| Test Mode | Antenna | Frequency (MHz) | Conducted Peak Power [dBm] | Conducted Limit [dBm] | Verdict |
|-----------|---------|-----------------|----------------------------|-----------------------|---------|
| DH5       | Ant1    | 2402            | -1.75                      | ≤20.97                | PASS    |
|           |         | 2441            | -1.79                      | ≤20.97                | PASS    |
|           |         | 2480            | -2.30                      | ≤20.97                | PASS    |
| 2DH5      | Ant1    | 2402            | -3.94                      | ≤20.97                | PASS    |
|           |         | 2441            | -4.44                      | ≤20.97                | PASS    |
|           |         | 2480            | -5.38                      | ≤20.97                | PASS    |
| 3DH5      | Ant1    | 2402            | -4.57                      | ≤20.97                | PASS    |
|           |         | 2441            | -5.12                      | ≤20.97                | PASS    |
|           |         | 2480            | -5.98                      | ≤20.97                | PASS    |









## Carrier Frequencies Separation

| Test Mode | Antenna | Channel | Result [dBm] | Limit [dBm]  | Verdict |
|-----------|---------|---------|--------------|--------------|---------|
| DH5       | Ant1    | Hop     | 0.996        | $\geq 0.642$ | PASS    |
| 2DH5      | Ant1    | Hop     | 1.023        | $\geq 0.856$ | PASS    |
| 3DH5      | Ant1    | Hop     | 1.014        | $\geq 0.866$ | PASS    |







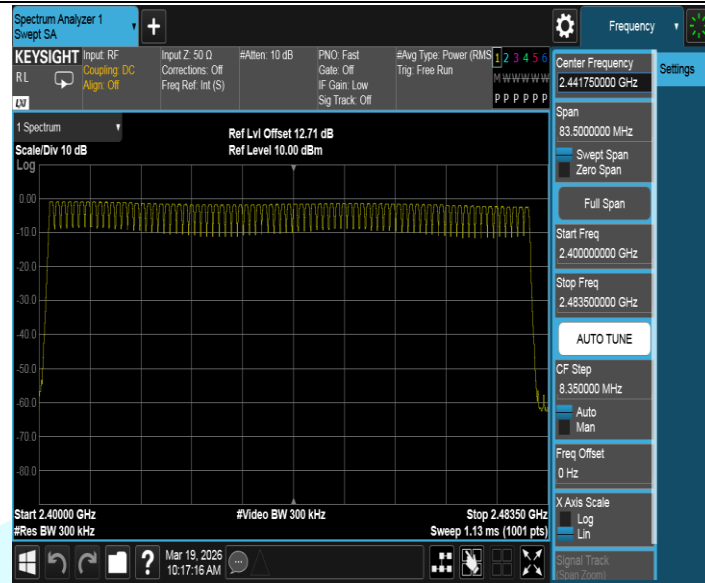
## Hopping Channel Number

| Test Mode | Antenna | Frequency (MHz) | Result [Num] | Limit [Num] | Verdict |
|-----------|---------|-----------------|--------------|-------------|---------|
| DH5       | Ant1    | Hop             | 79           | $\geq 15$   | PASS    |
| 2DH5      | Ant1    | Hop             | 79           | $\geq 15$   | PASS    |
| 3DH5      | Ant1    | Hop             | 79           | $\geq 15$   | PASS    |

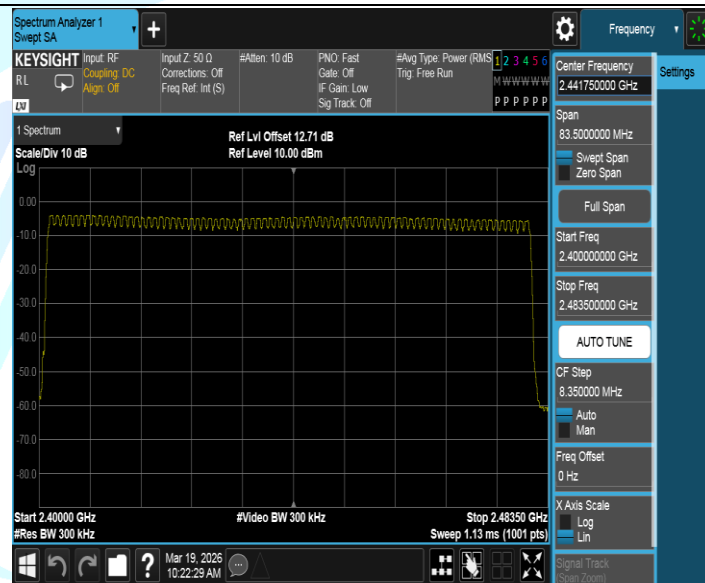


## Test Graphs

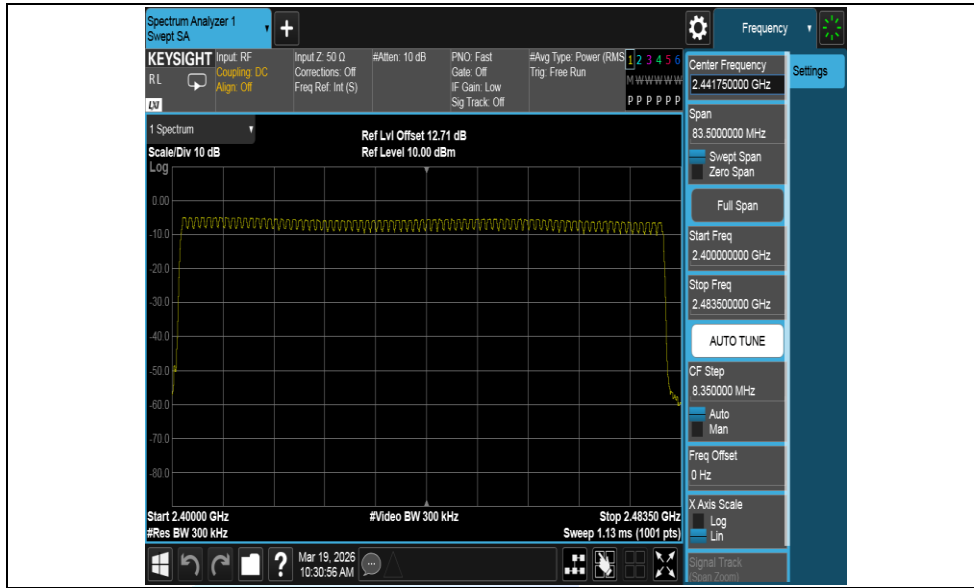
### DH5\_Ant1\_Hop



### 2DH5\_Ant1\_Hop

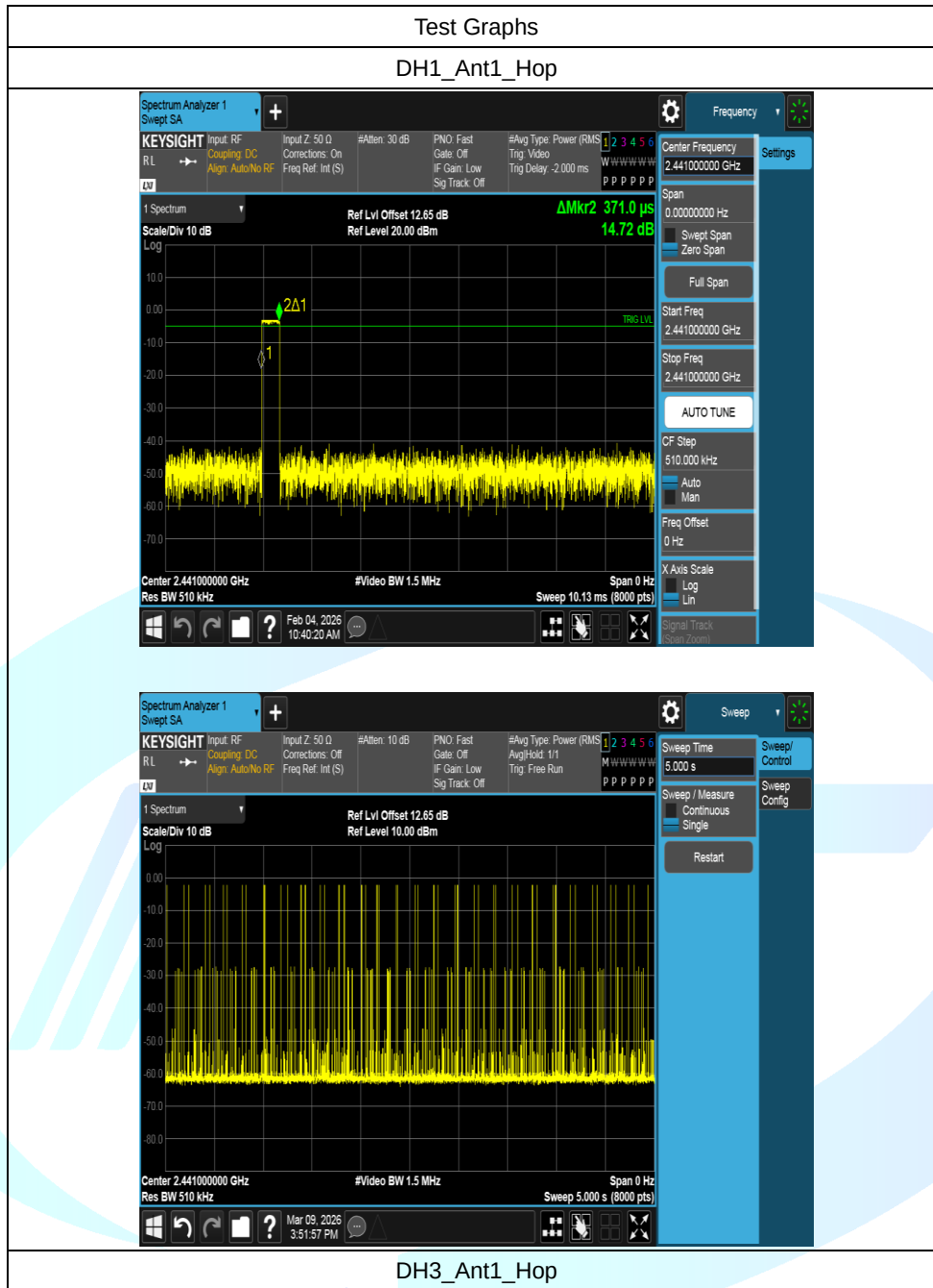


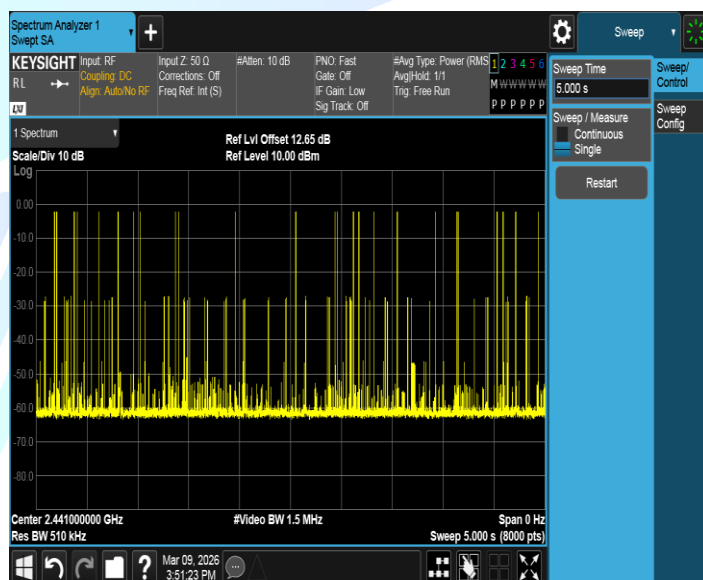
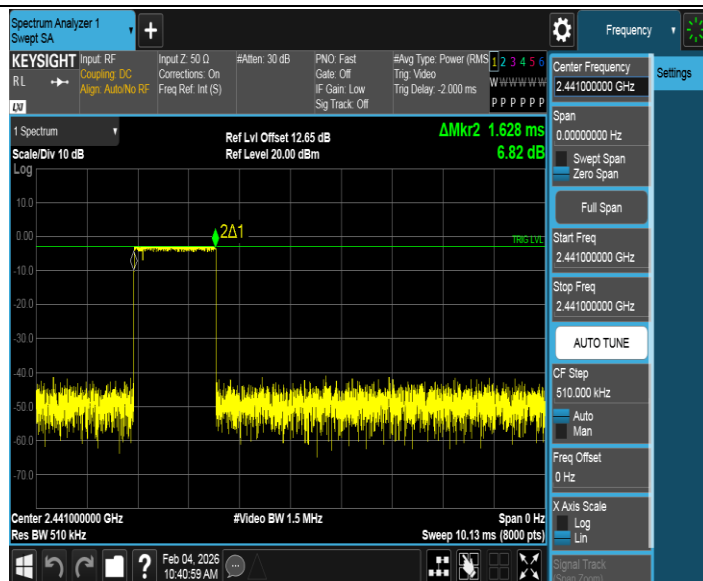
### 3DH5\_Ant1\_Hop



## Dwell Time

| Test Mode | Antenna | Frequency (MHz) | Burst Width [ms] | Total Hops [Num] | Result[s] | Limit[s] | Verdict |
|-----------|---------|-----------------|------------------|------------------|-----------|----------|---------|
| DH1       | Ant1    | Hop             | 0.371            | 320              | 0.119     | ≤0.4     | PASS    |
| DH3       | Ant1    | Hop             | 1.628            | 160              | 0.26      | ≤0.4     | PASS    |
| DH5       | Ant1    | Hop             | 2.875            | 106.67           | 0.307     | ≤0.4     | PASS    |
| 2DH1      | Ant1    | Hop             | 0.380            | 320              | 0.122     | ≤0.4     | PASS    |
| 2DH3      | Ant1    | Hop             | 1.631            | 160              | 0.261     | ≤0.4     | PASS    |
| 2DH5      | Ant1    | Hop             | 2.879            | 106.67           | 0.307     | ≤0.4     | PASS    |
| 3DH1      | Ant1    | Hop             | 0.379            | 320              | 0.121     | ≤0.4     | PASS    |
| 3DH3      | Ant1    | Hop             | 1.630            | 160              | 0.261     | ≤0.4     | PASS    |
| 3DH5      | Ant1    | Hop             | 2.880            | 106.67           | 0.307     | ≤0.4     | PASS    |





DH5 Ant1 Hop

