

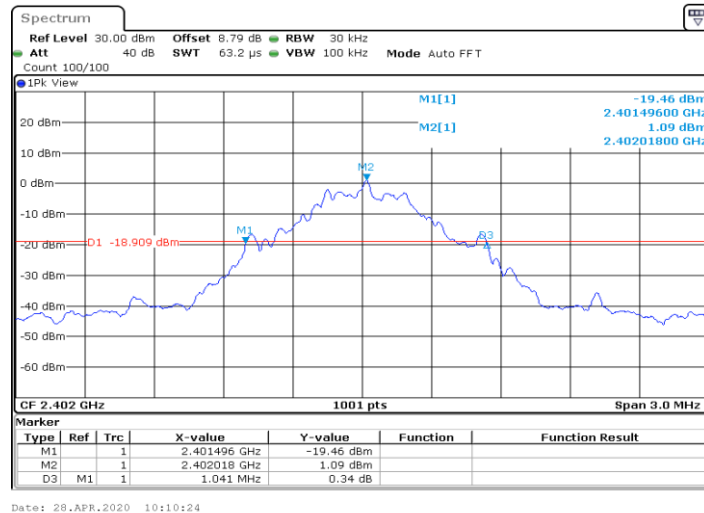
## Appendix A: 20dB Emission Bandwidth

### Test Result

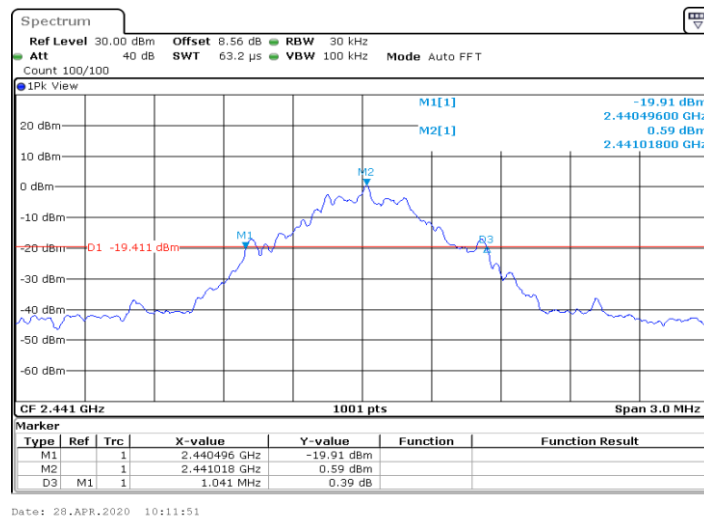
| TestMode | Antenna | Channel | 20db EBW[MHz] | Limit[MHz] | Verdict |
|----------|---------|---------|---------------|------------|---------|
| DH1      | Ant1    | 2402    | 1.041         | ---        | PASS    |
|          |         | 2441    | 1.041         | ---        | PASS    |
|          |         | 2480    | 1.041         | ---        | PASS    |
| 2DH1     | Ant1    | 2402    | 1.227         | ---        | PASS    |
|          |         | 2441    | 1.248         | ---        | PASS    |
|          |         | 2480    | 1.227         | ---        | PASS    |
| 3DH1     | Ant1    | 2402    | 1.215         | ---        | PASS    |
|          |         | 2441    | 1.215         | ---        | PASS    |
|          |         | 2480    | 1.215         | ---        | PASS    |

## Test Graphs

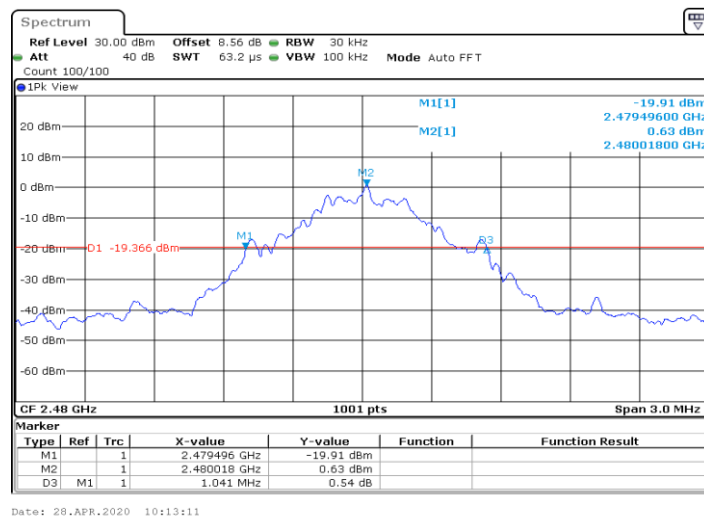
DH1\_Ant1\_2402



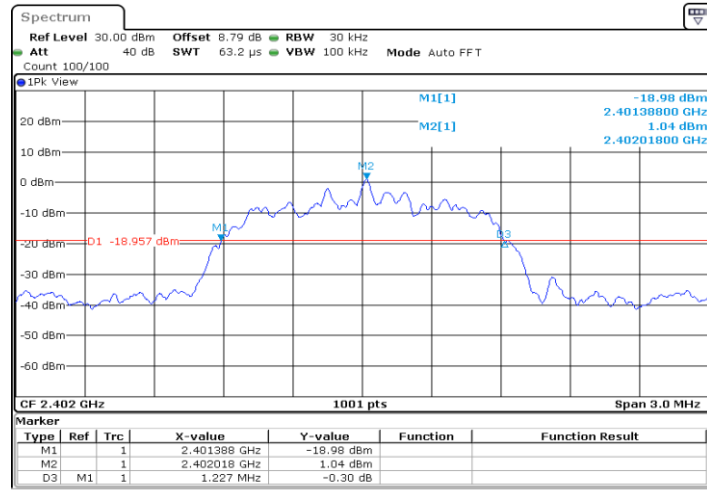
DH1\_Ant1\_2441



DH1\_Ant1\_2480

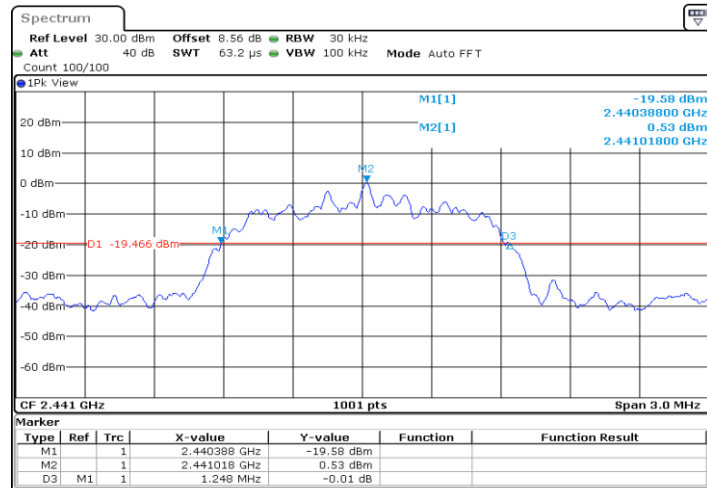


## 2DH1\_Ant1\_2402



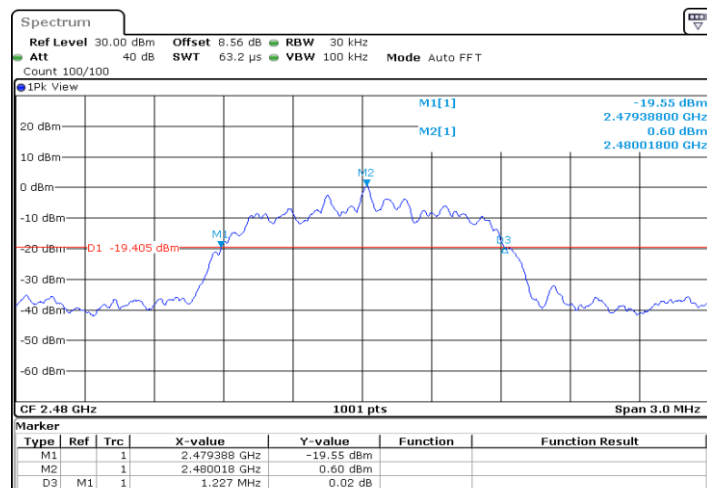
Date: 28.APR.2020 10:14:46

## 2DH1\_Ant1\_2441



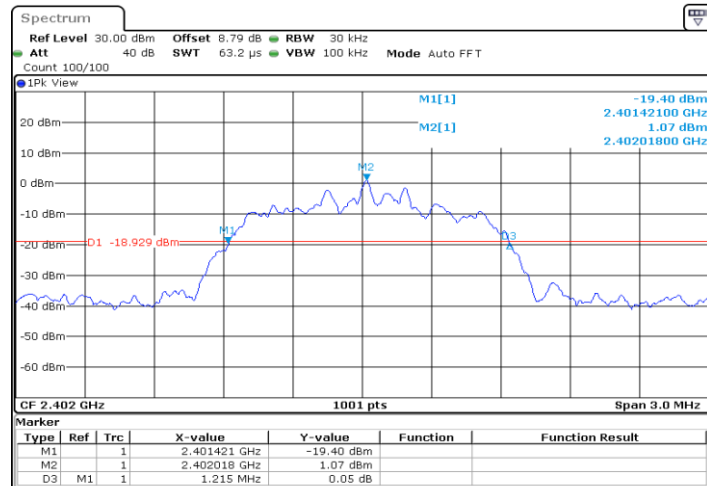
Date: 28.APR.2020 10:16:18

## 2DH1\_Ant1\_2480



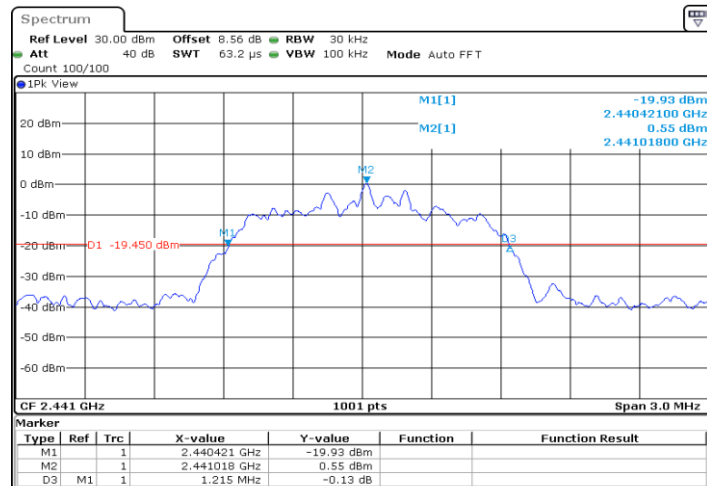
Date: 28.APR.2020 10:17:40

## 3DH1\_Ant1\_2402



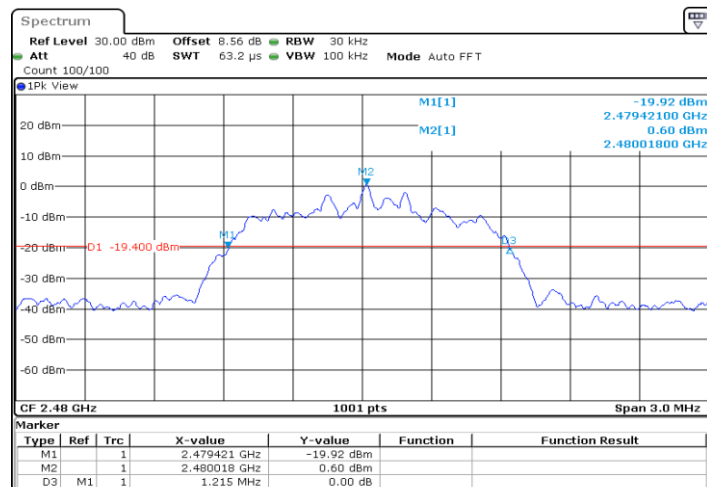
Date: 28.APR.2020 10:19:18

## 3DH1\_Ant1\_2441



Date: 28.APR.2020 10:20:41

## 3DH1\_Ant1\_2480



Date: 28.APR.2020 10:22:12

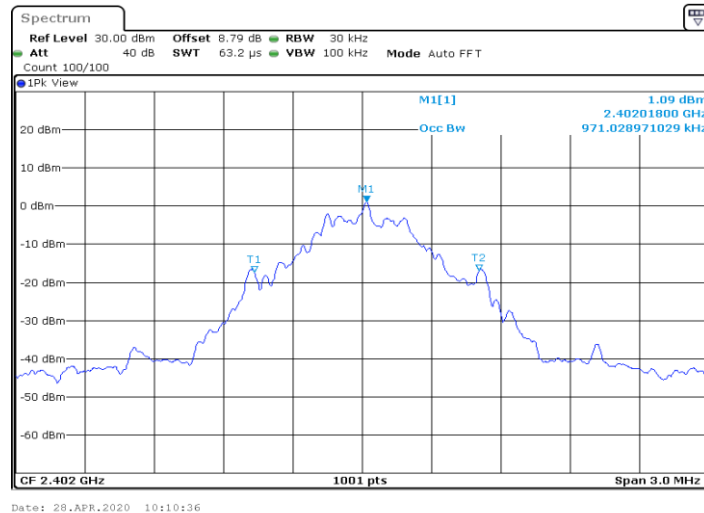
## Appendix B: Occupied Channel Bandwidth

### Test Result

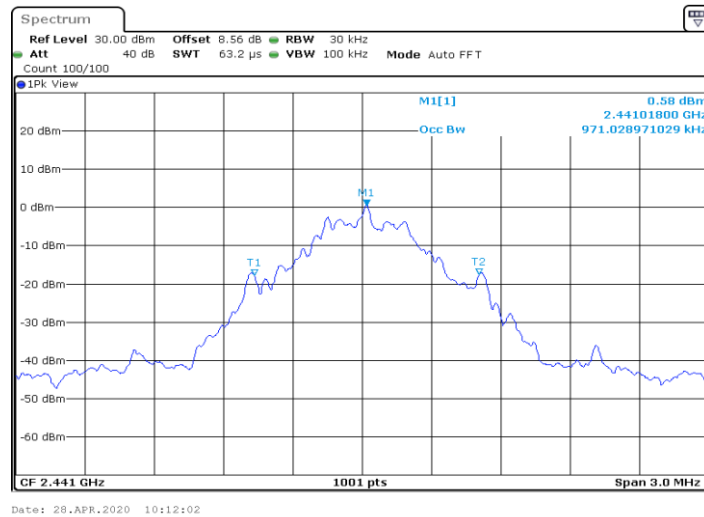
| TestMode | Antenna | Channel | OCB [MHz] | Limit[MHz] | Verdict |
|----------|---------|---------|-----------|------------|---------|
| DH1      | Ant1    | 2402    | 0.971     | ---        | PASS    |
|          |         | 2441    | 0.971     | ---        | PASS    |
|          |         | 2480    | 0.971     | ---        | PASS    |
| 2DH1     | Ant1    | 2402    | 1.172     | ---        | PASS    |
|          |         | 2441    | 1.169     | ---        | PASS    |
|          |         | 2480    | 1.169     | ---        | PASS    |
| 3DH1     | Ant1    | 2402    | 1.151     | ---        | PASS    |
|          |         | 2441    | 1.151     | ---        | PASS    |
|          |         | 2480    | 1.151     | ---        | PASS    |

## Test Graphs

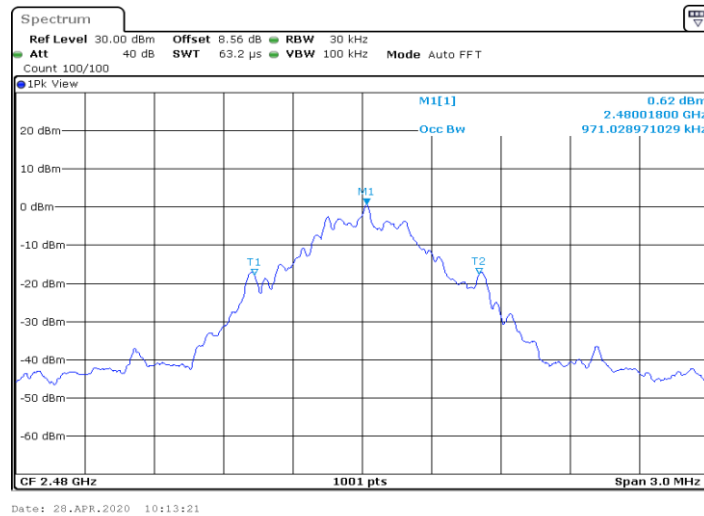
DH1\_Ant1\_2402



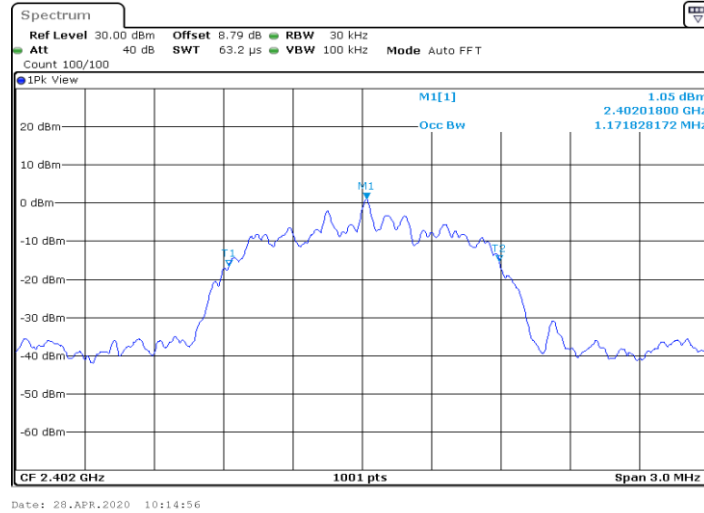
DH1\_Ant1\_2441



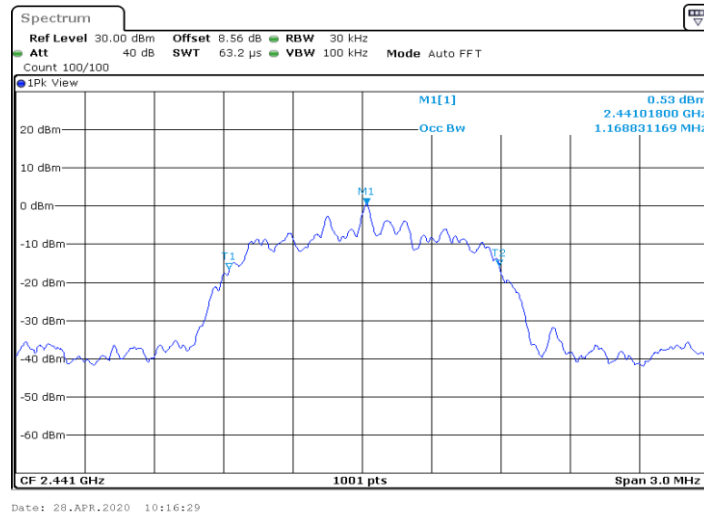
DH1\_Ant1\_2480



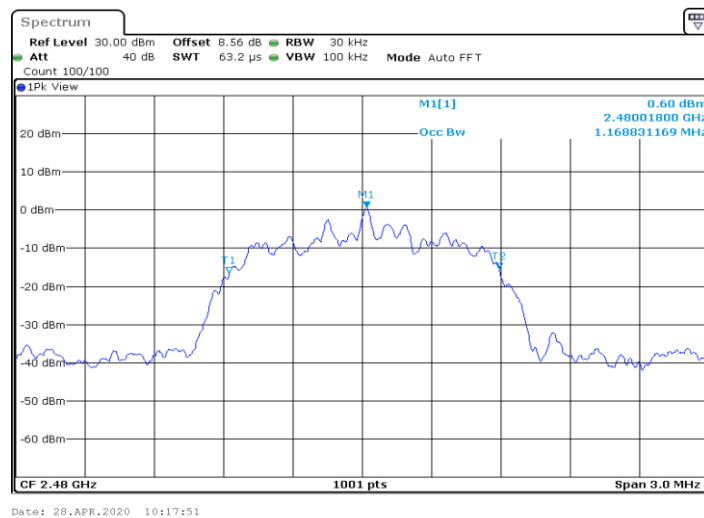
## 2DH1\_Ant1\_2402



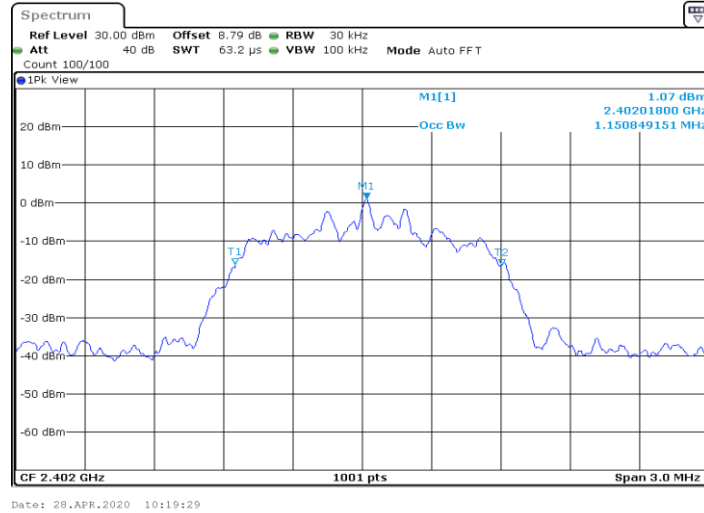
## 2DH1\_Ant1\_2441



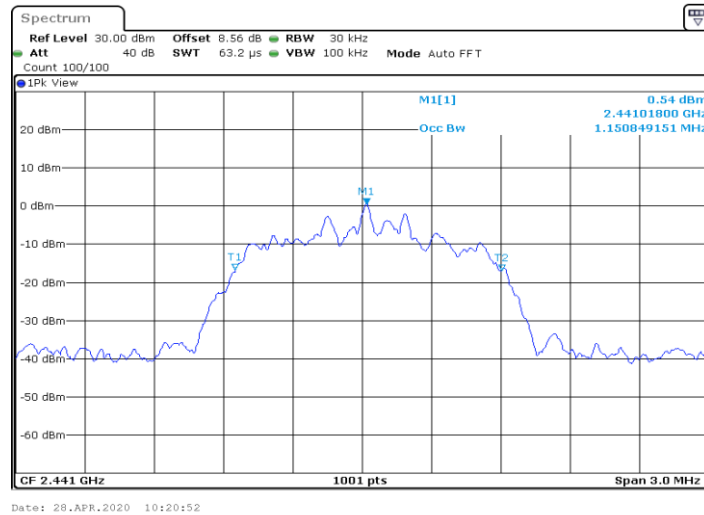
## 2DH1\_Ant1\_2480



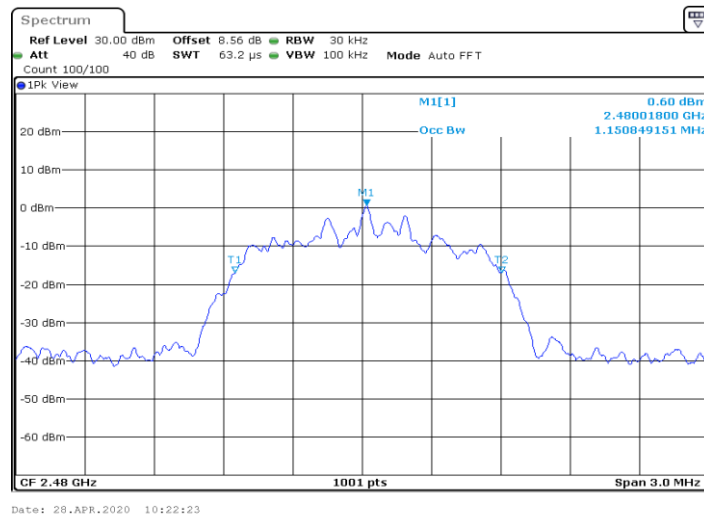
## 3DH1\_Ant1\_2402



## 3DH1\_Ant1\_2441



## 3DH1\_Ant1\_2480

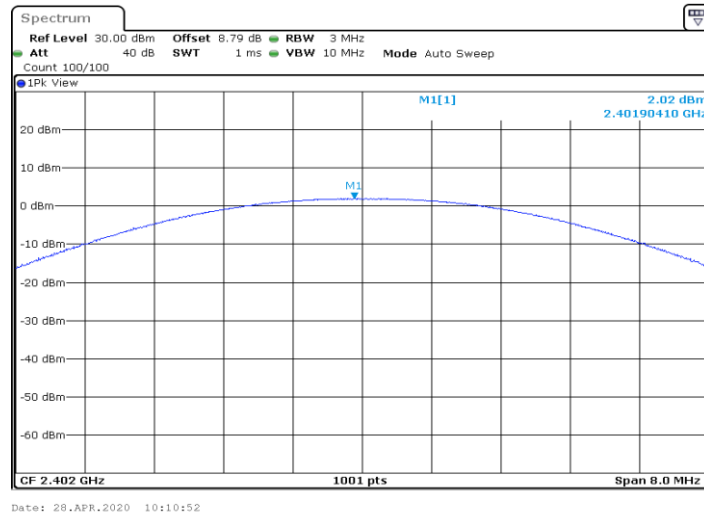


**Appendix C: Maximum conducted Peak output power****Test Result**

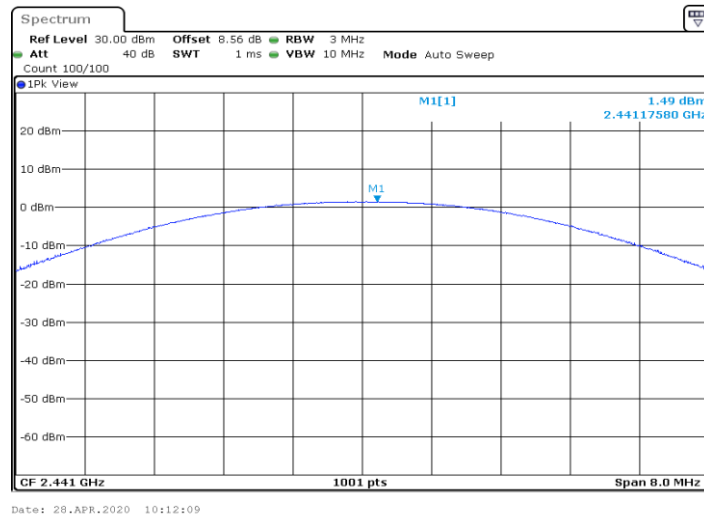
| TestMode | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|---------|-------------|------------|---------|
| DH1      | Ant1    | 2402    | 2.02        | <=20.97    | PASS    |
|          |         | 2441    | 1.49        | <=20.97    | PASS    |
|          |         | 2480    | 1.52        | <=20.97    | PASS    |
| 2DH1     | Ant1    | 2402    | 4.43        | <=20.97    | PASS    |
|          |         | 2441    | 3.93        | <=20.97    | PASS    |
|          |         | 2480    | 3.99        | <=20.97    | PASS    |
| 3DH1     | Ant1    | 2402    | 5.22        | <=20.97    | PASS    |
|          |         | 2441    | 4.71        | <=20.97    | PASS    |
|          |         | 2480    | 4.77        | <=20.97    | PASS    |

## Test Graphs

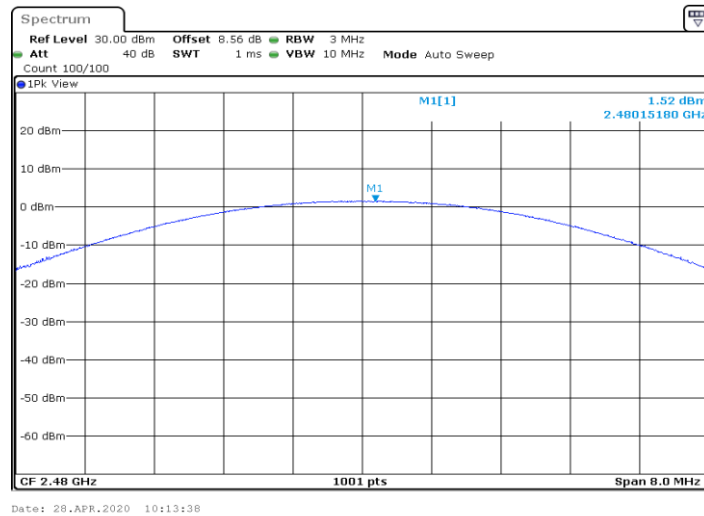
DH1\_Ant1\_2402



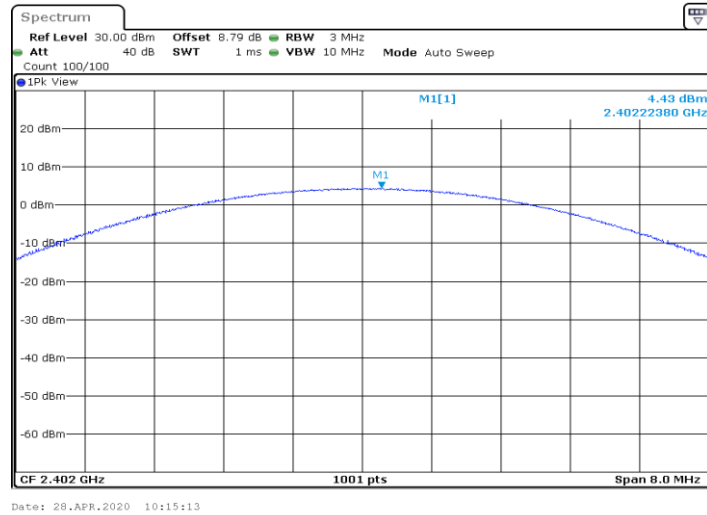
DH1\_Ant1\_2441



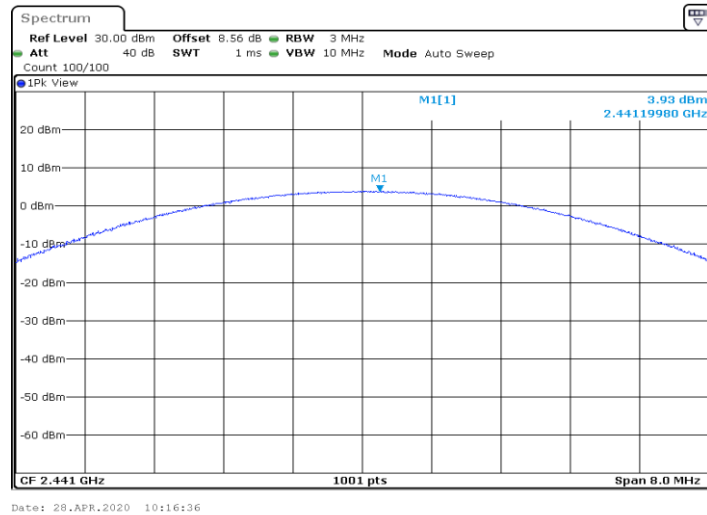
DH1\_Ant1\_2480



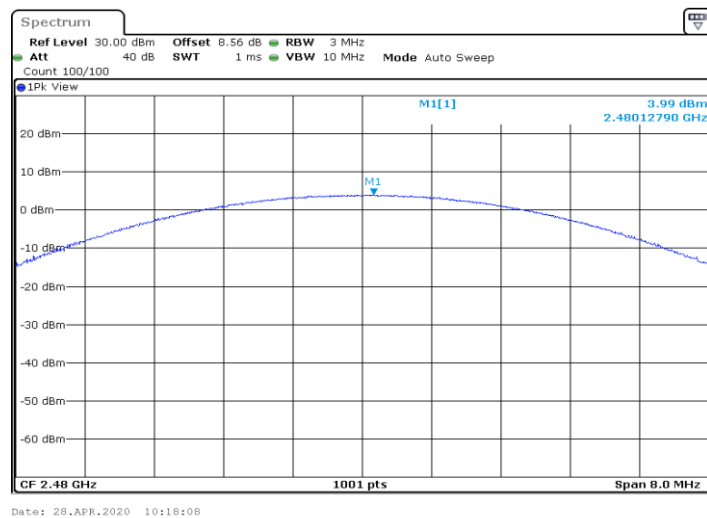
## 2DH1\_Ant1\_2402



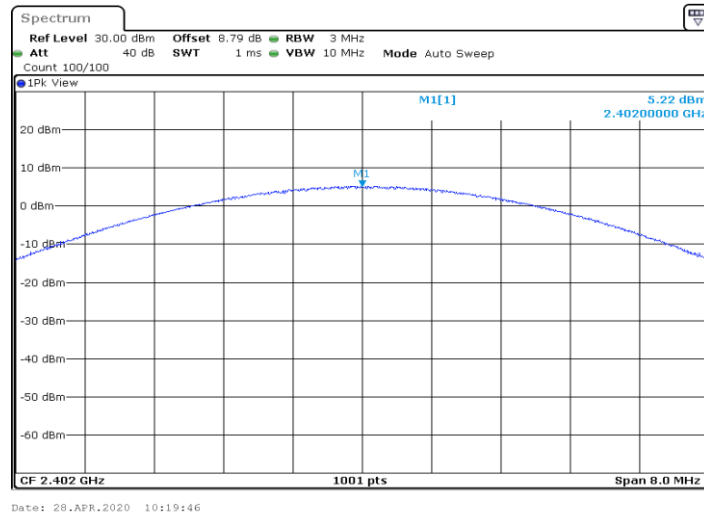
## 2DH1\_Ant1\_2441



## 2DH1\_Ant1\_2480

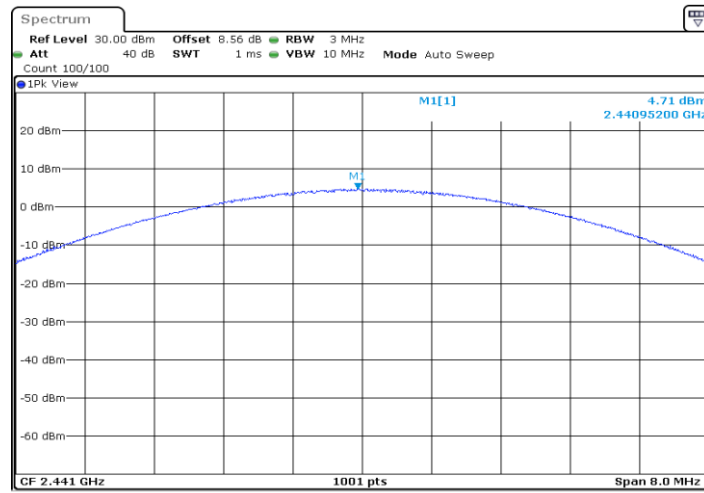


## 3DH1\_Ant1\_2402



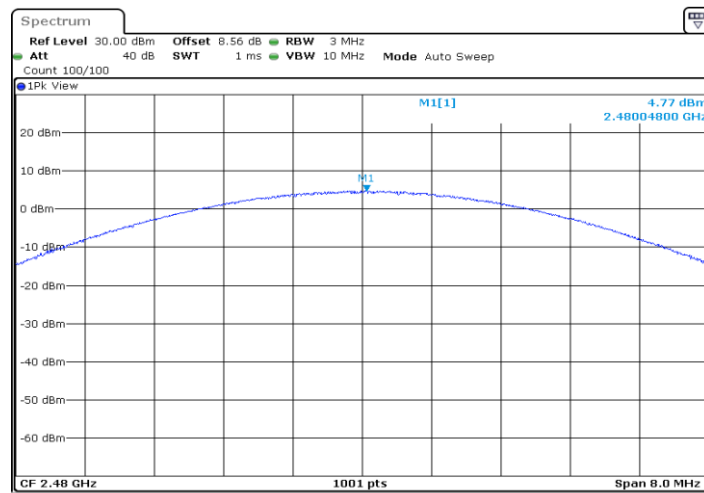
Date: 28.APR.2020 10:19:46

## 3DH1\_Ant1\_2441



Date: 28.APR.2020 10:20:59

## 3DH1\_Ant1\_2480



Date: 28.APR.2020 10:22:39

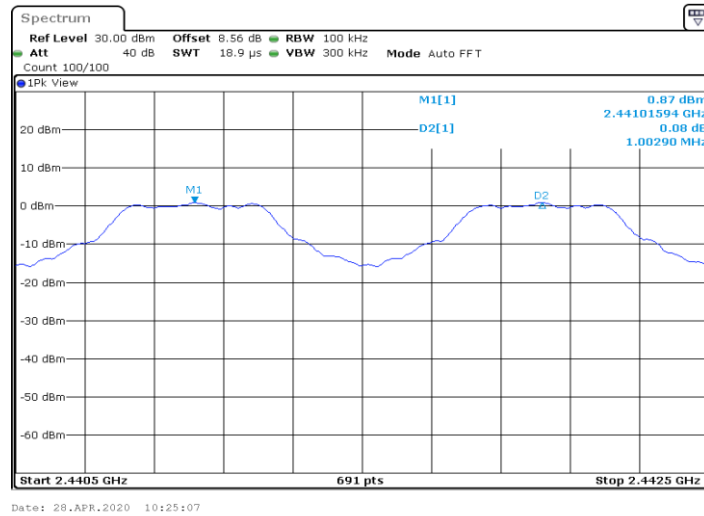
## Appendix D: Carrier frequency separation

### Test Result

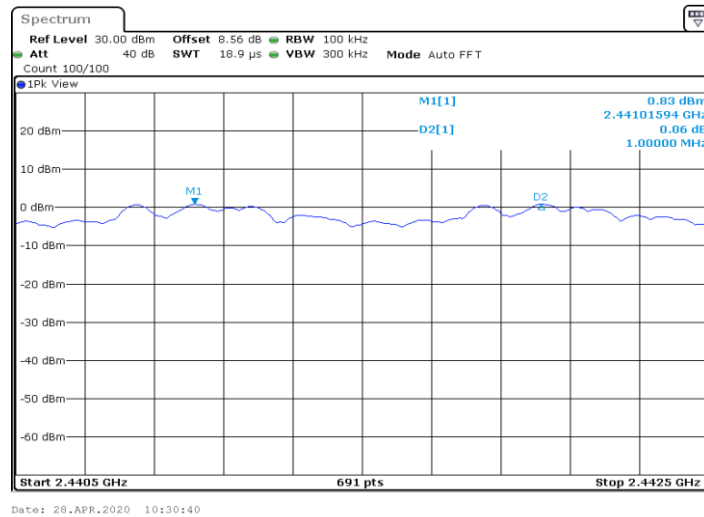
| TestMode | Antenna | Channel | Result[MHz] | Limit[MHz]   | Verdict |
|----------|---------|---------|-------------|--------------|---------|
| DH1      | Ant1    | Hop     | 1.003       | $\geq 0.694$ | PASS    |
| 2DH1     | Ant1    | Hop     | 1           | $\geq 0.832$ | PASS    |
| 3DH1     | Ant1    | Hop     | 1           | $\geq 0.810$ | PASS    |

## Test Graphs

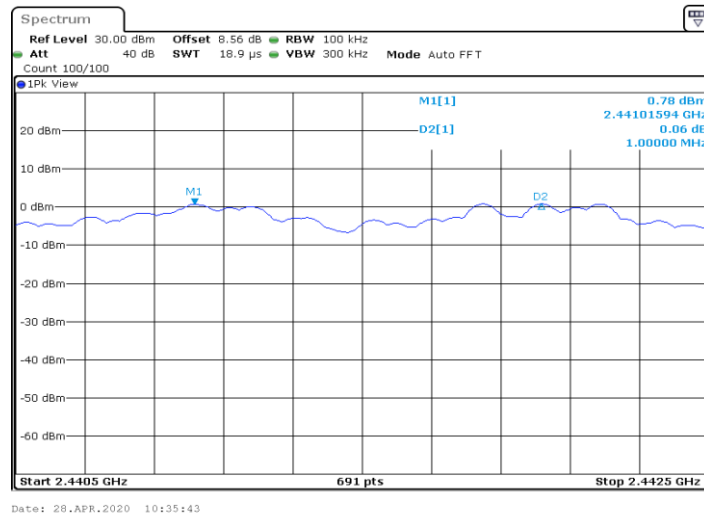
DH1\_Ant1\_Hop



2DH1\_Ant1\_Hop



3DH1\_Ant1\_Hop



## Appendix E: Time of occupancy

### Test Result

| TestMode | Antenna | Channel | BurstWidth<br>[ms] | TotalHops<br>[Num] | Result[s] | Limit[s]   | Verdict |
|----------|---------|---------|--------------------|--------------------|-----------|------------|---------|
| DH1      | Ant1    | Hop     | 0.41               | 180                | 0.073     | $\leq 0.4$ | PASS    |
| DH3      | Ant1    | Hop     | 1.66               | 140                | 0.232     | $\leq 0.4$ | PASS    |
| DH5      | Ant1    | Hop     | 2.90               | 100                | 0.29      | $\leq 0.4$ | PASS    |
| 2DH1     | Ant1    | Hop     | 0.42               | 190                | 0.079     | $\leq 0.4$ | PASS    |
| 2DH3     | Ant1    | Hop     | 1.66               | 80                 | 0.133     | $\leq 0.4$ | PASS    |
| 2DH5     | Ant1    | Hop     | 2.90               | 90                 | 0.261     | $\leq 0.4$ | PASS    |
| 3DH1     | Ant1    | Hop     | 0.42               | 140                | 0.058     | $\leq 0.4$ | PASS    |
| 3DH3     | Ant1    | Hop     | 1.66               | 80                 | 0.133     | $\leq 0.4$ | PASS    |
| 3DH5     | Ant1    | Hop     | 2.91               | 70                 | 0.203     | $\leq 0.4$ | PASS    |

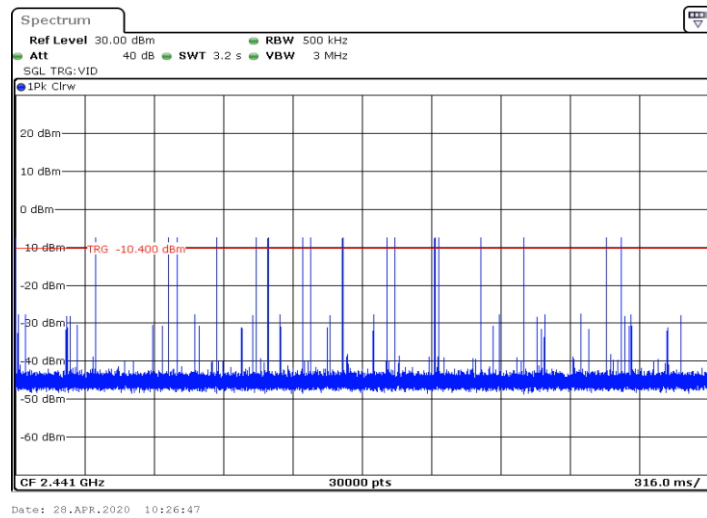
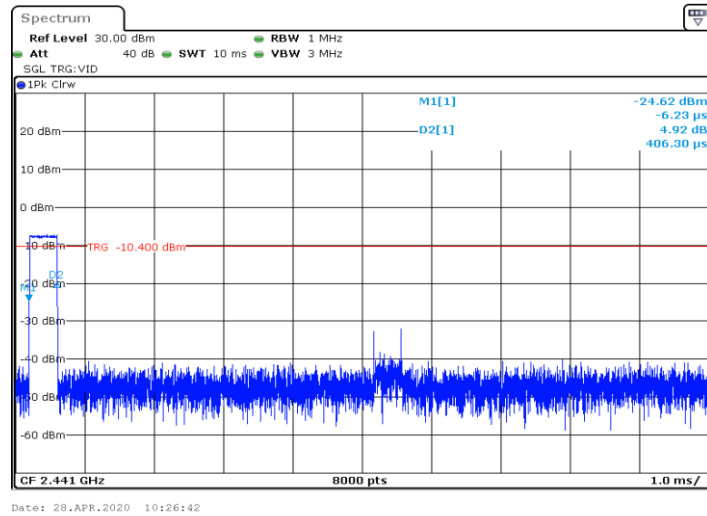
Note 1: A period time= $0.4 \times 79 = 31.6$ (S), Result=BurstWidth\*Totalhops

Note 2: Totalhops=Hopping Number in  $3.16s \times 10$

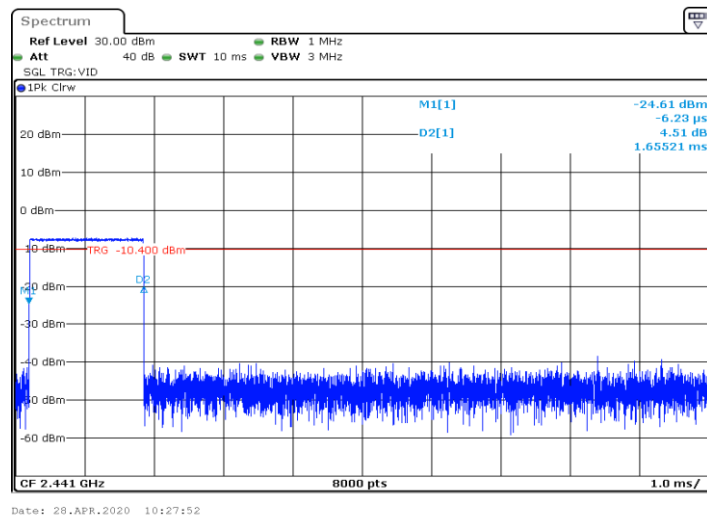
Note 3: Hopping Number in  $3.16s$ =Total of highest signals in  $3.16s$ (Second high signals were other channel)

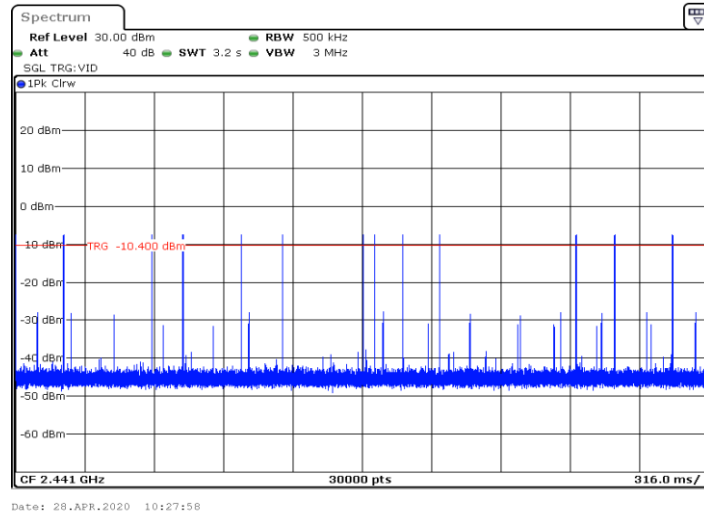
## Test Graphs

DH1\_Ant1\_Hop

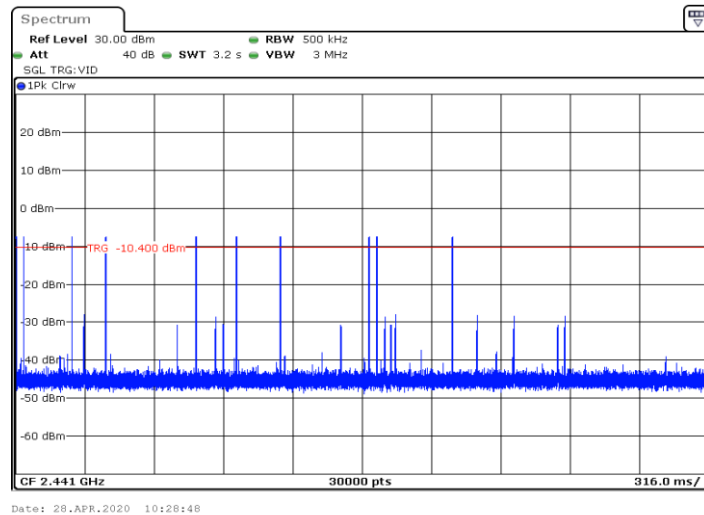
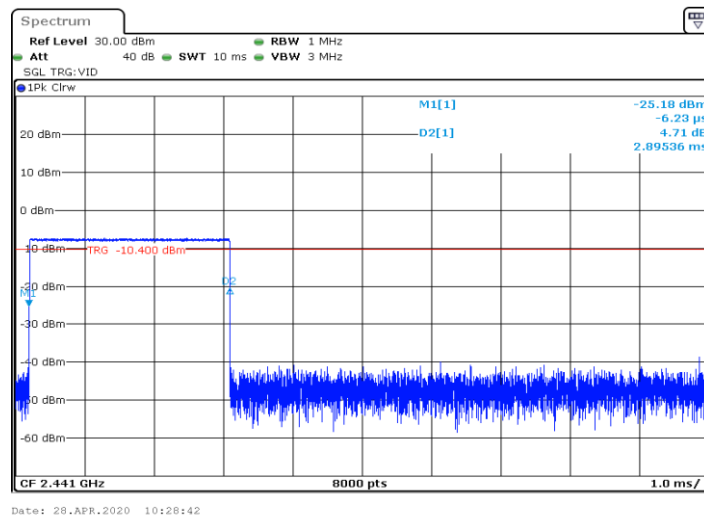


DH3\_Ant1\_Hop

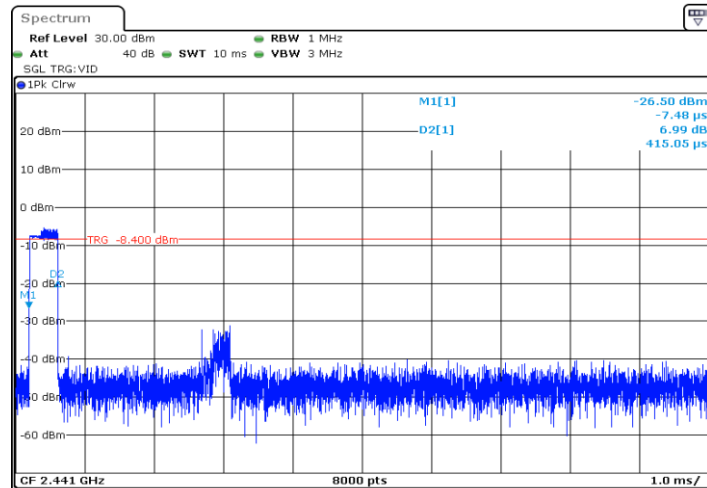




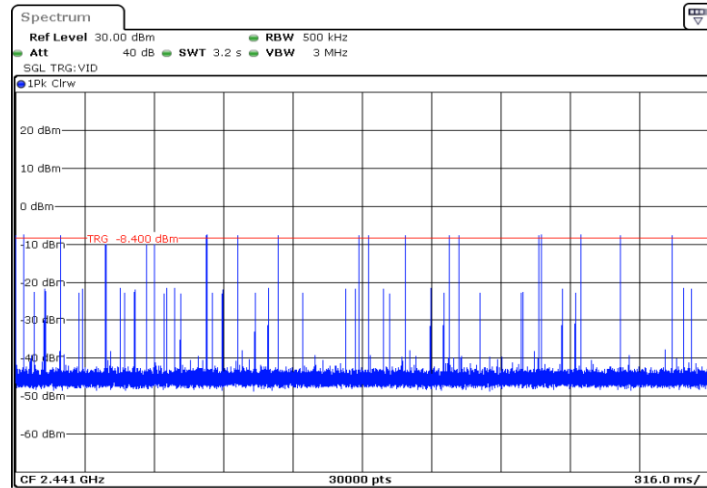
### DH5\_Ant1\_Hop



## 2DH1\_Ant1\_Hop

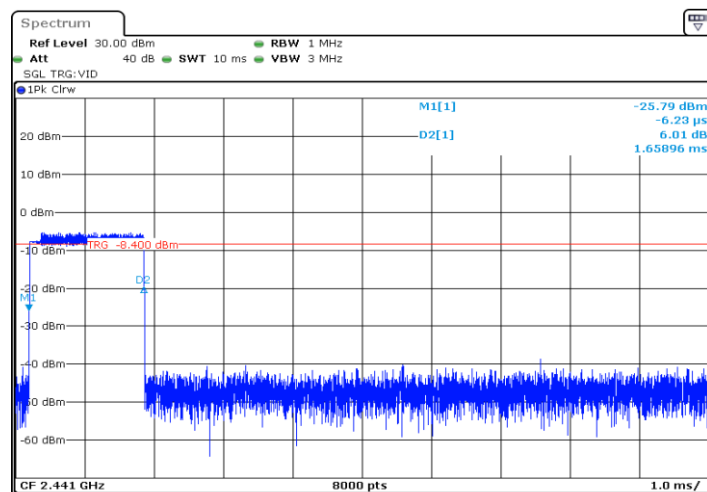


Date: 28.APR.2020 10:31:36

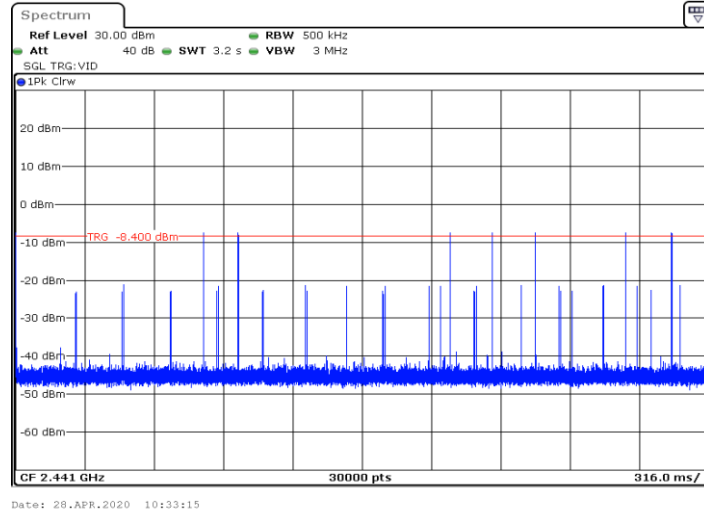


Date: 28.APR.2020 10:31:42

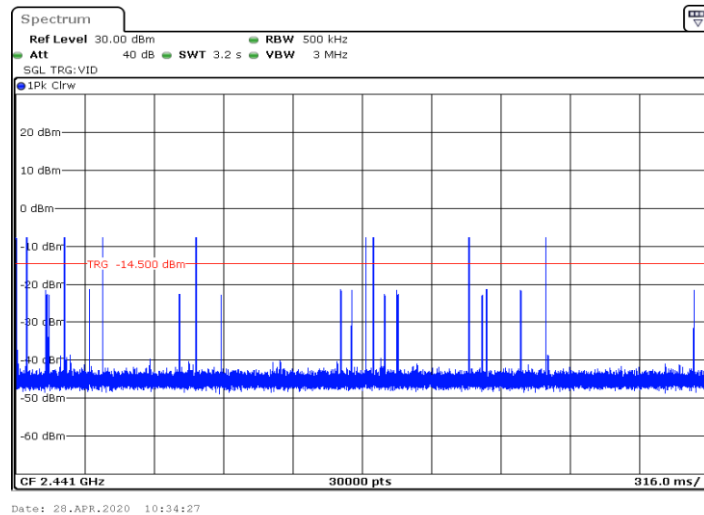
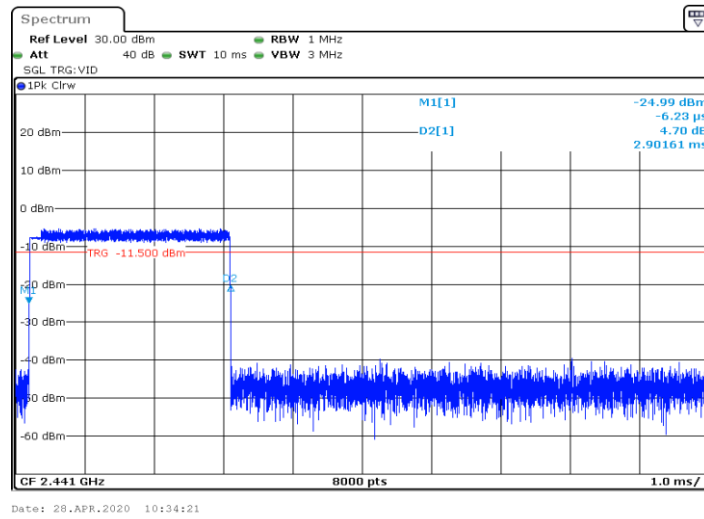
## 2DH3\_Ant1\_Hop



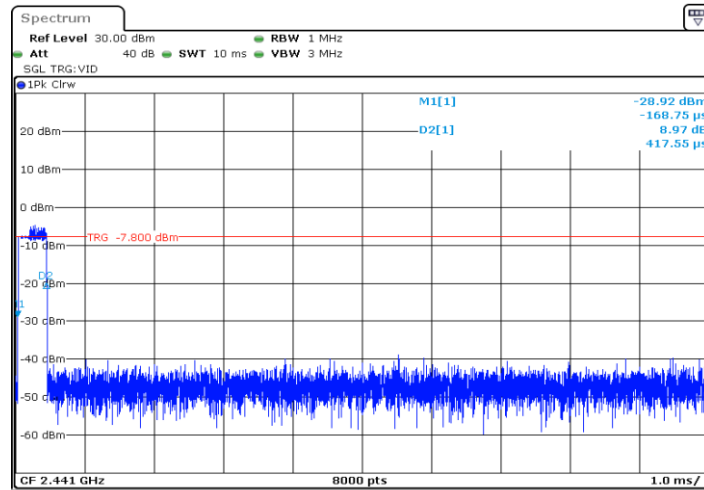
Date: 28.APR.2020 10:33:09



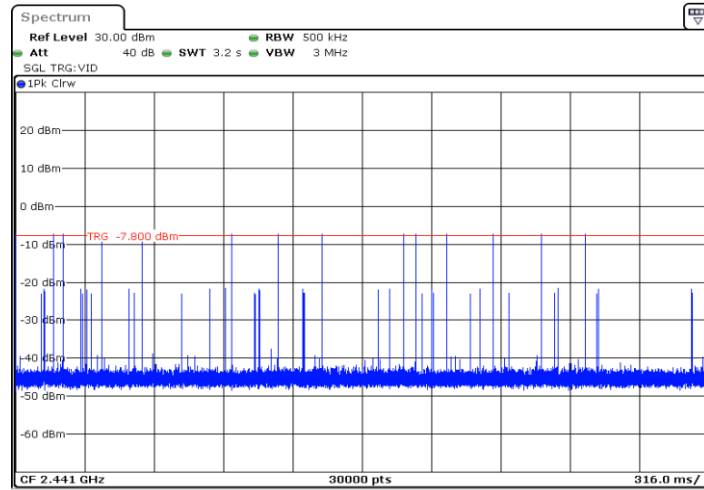
### 2DH5\_Ant1\_Hop



## 3DH1\_Ant1\_Hop

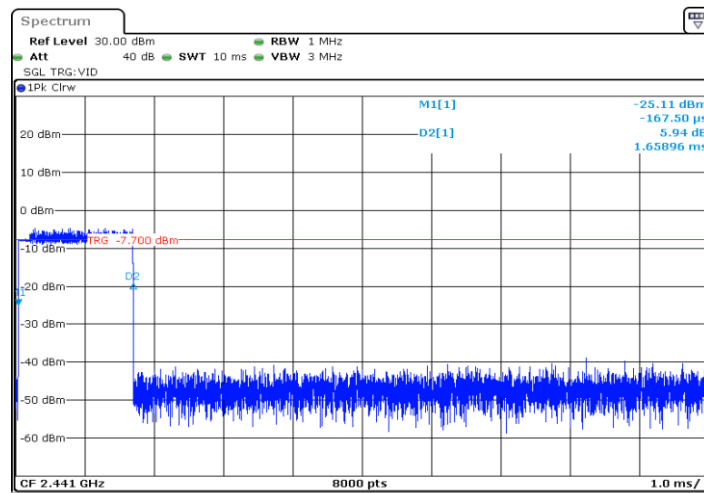


Date: 28.APR.2020 10:36:42

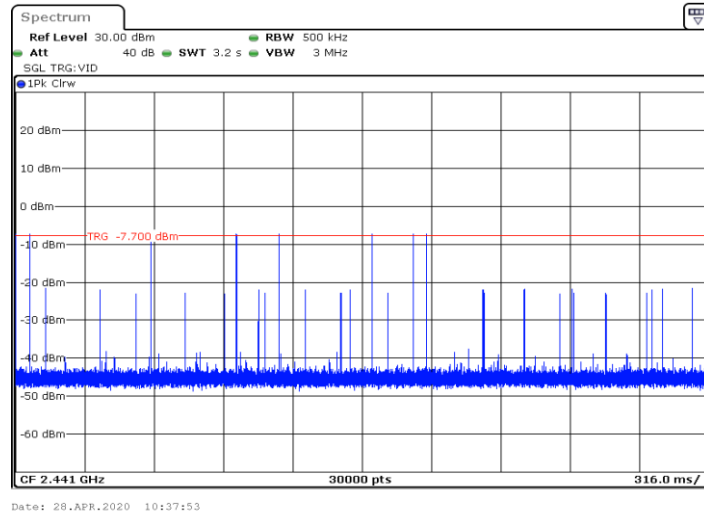


Date: 28.APR.2020 10:36:47

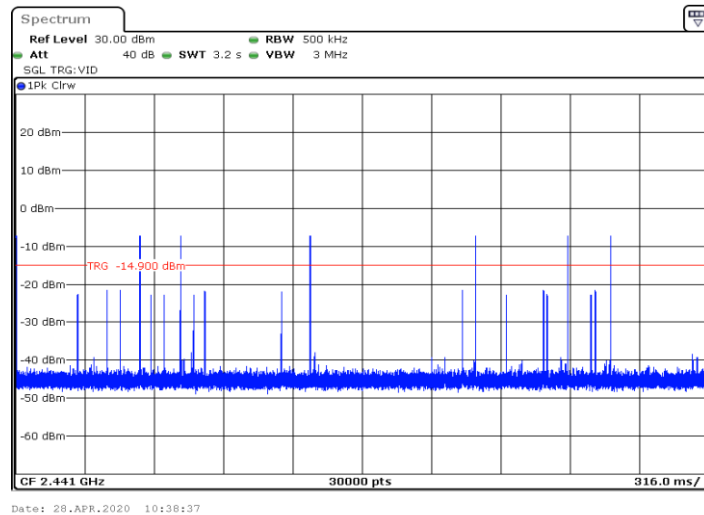
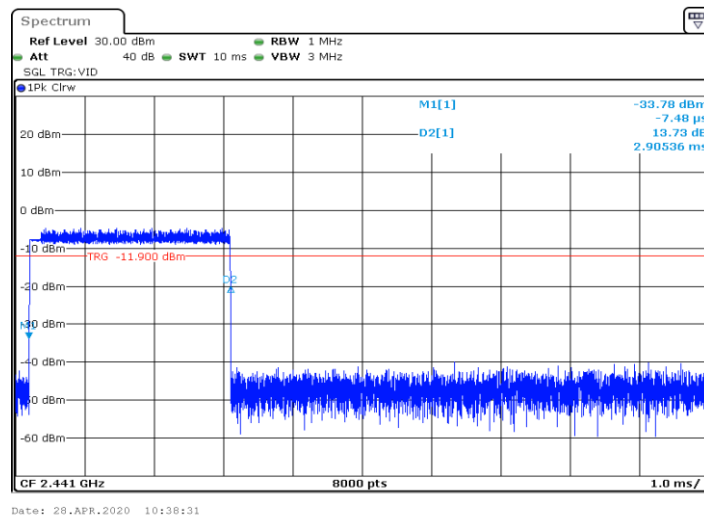
## 3DH3\_Ant1\_Hop



Date: 28.APR.2020 10:37:47



### 3DH5\_Ant1\_Hop



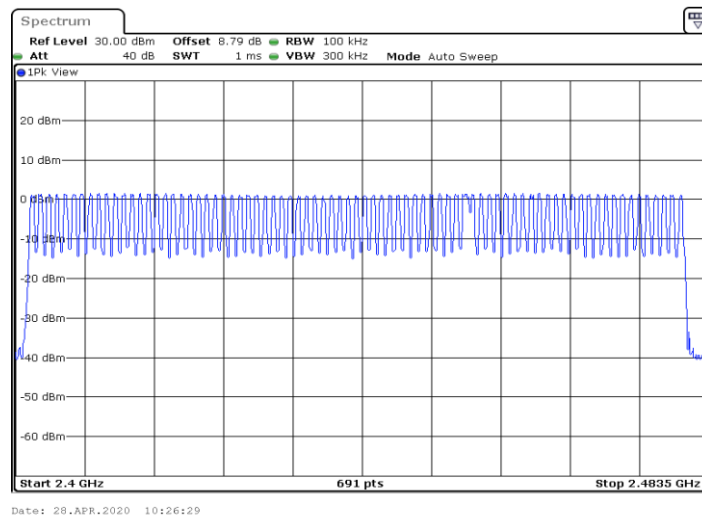
Appendix F: Number of hopping channels

Test Result

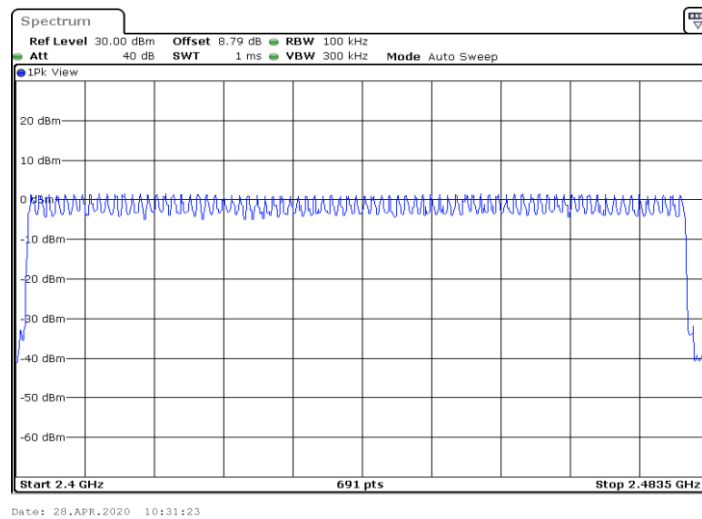
| TestMode | Antenna | Channel | Result[Num] | Limit[Num] | Verdict |
|----------|---------|---------|-------------|------------|---------|
| DH1      | Ant1    | Hop     | 79          | >=15       | PASS    |
| 2DH1     | Ant1    | Hop     | 79          | >=15       | PASS    |
| 3DH1     | Ant1    | Hop     | 79          | >=15       | PASS    |

## Test Graphs

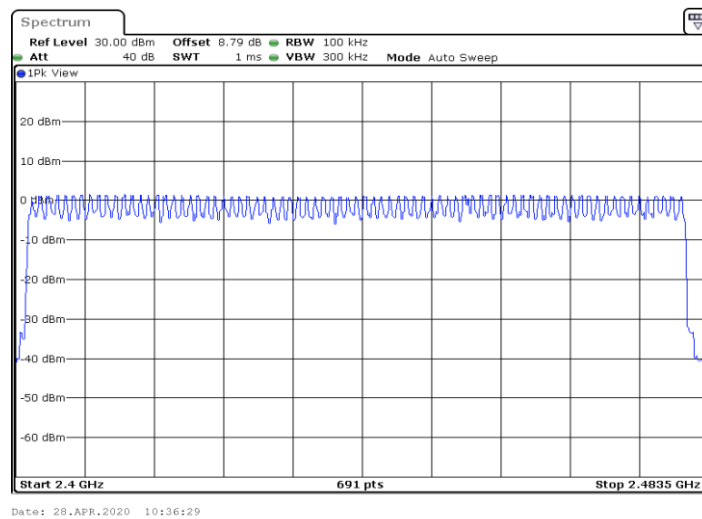
DH1\_Ant1\_Hop



2DH1\_Ant1\_Hop



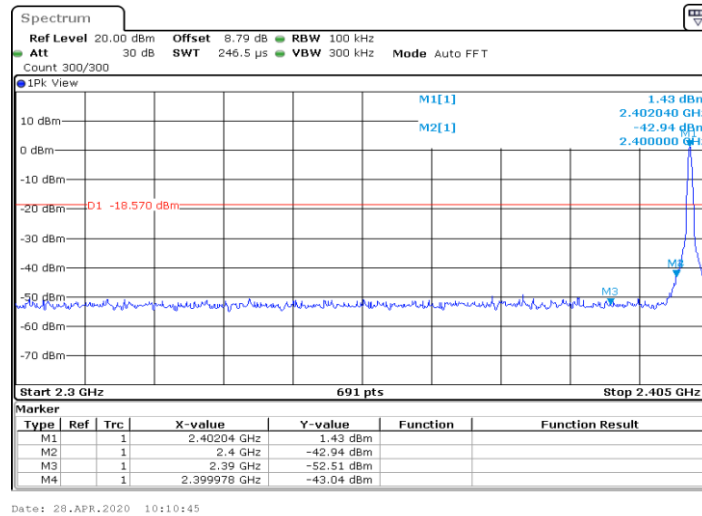
3DH1\_Ant1\_Hop



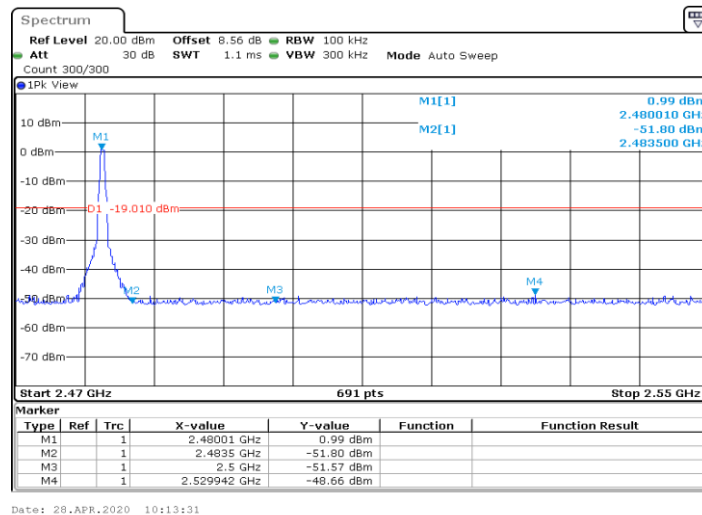
## Appendix G: Band edge measurements

### Test Graphs

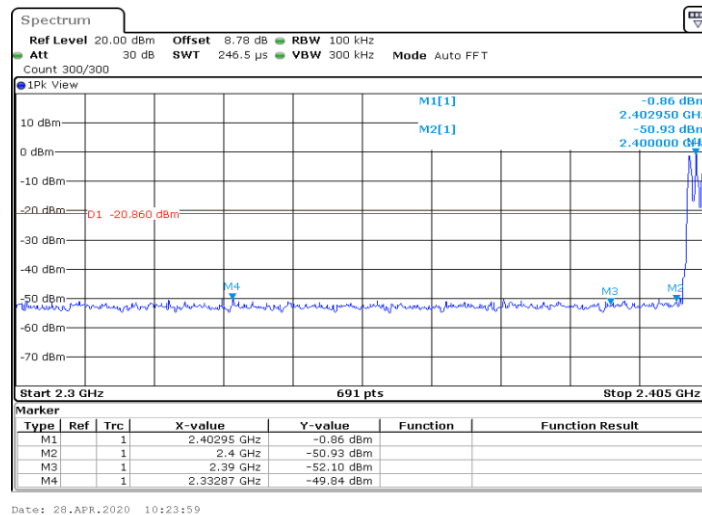
DH1\_Ant1\_Low\_2402



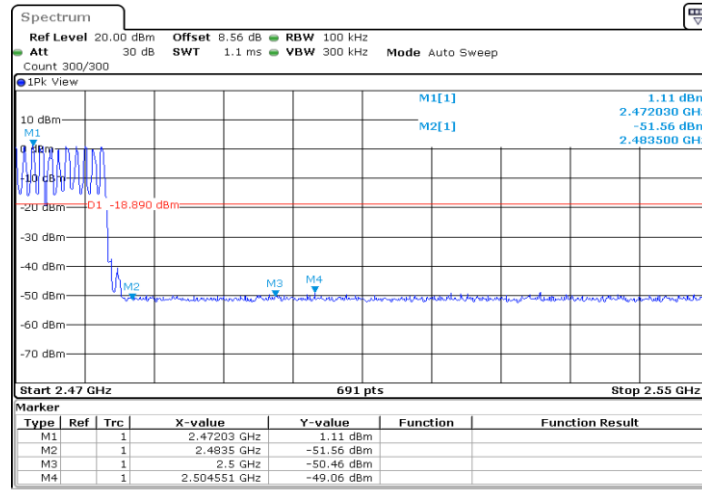
DH1\_Ant1\_High\_2480



DH1\_Ant1\_Low\_Hop\_2402

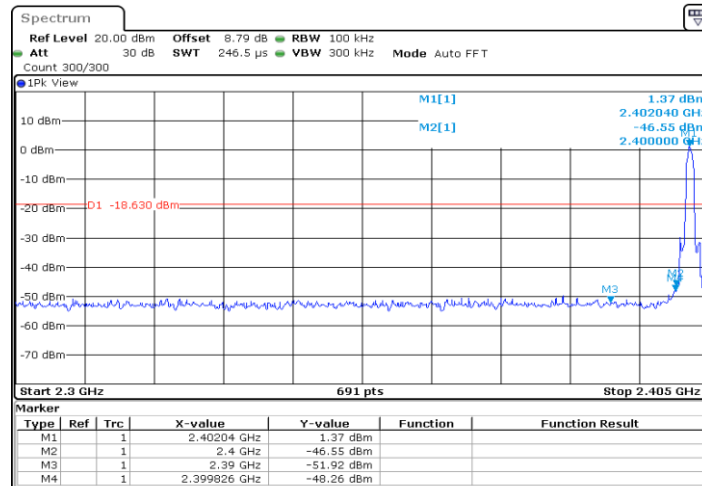


## DH1\_Ant1\_High\_Hop\_2480



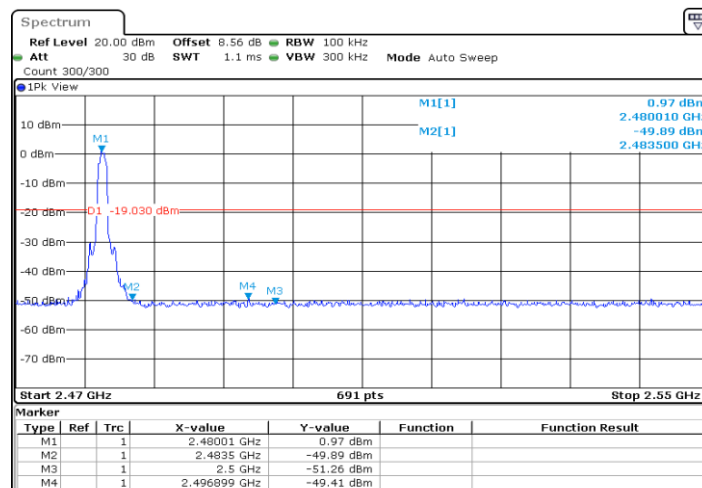
Date: 28.APR.2020 10:26:59

## 2DH1\_Ant1\_Low\_2402



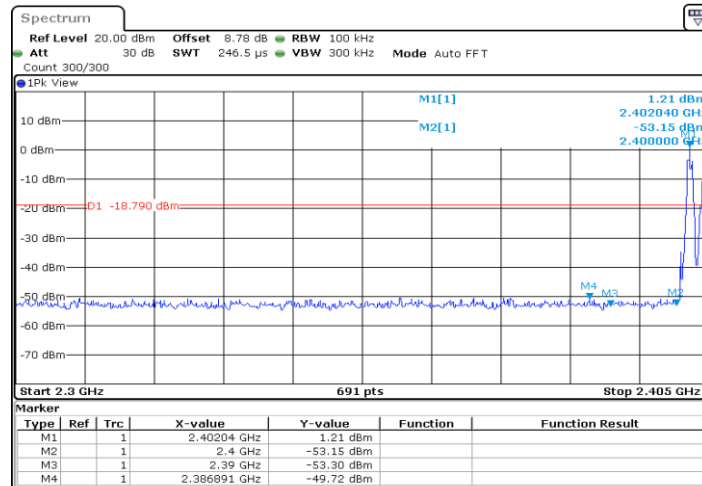
Date: 28.APR.2020 10:15:06

## 2DH1\_Ant1\_High\_2480



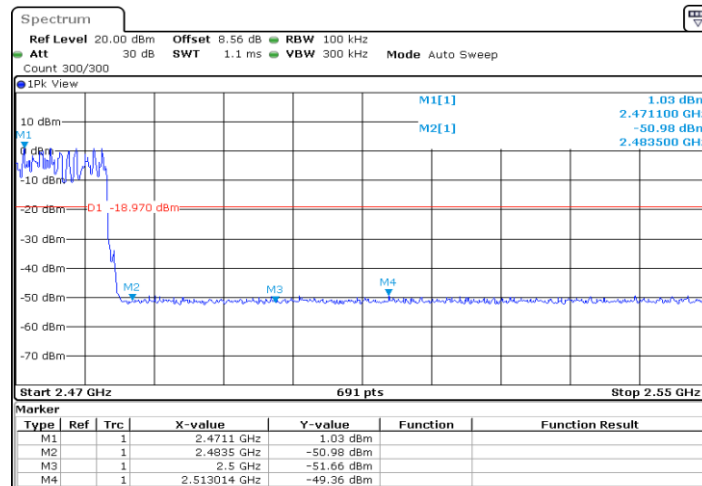
Date: 28.APR.2020 10:18:01

## 2DH1\_Ant1\_Low\_Hop\_2402



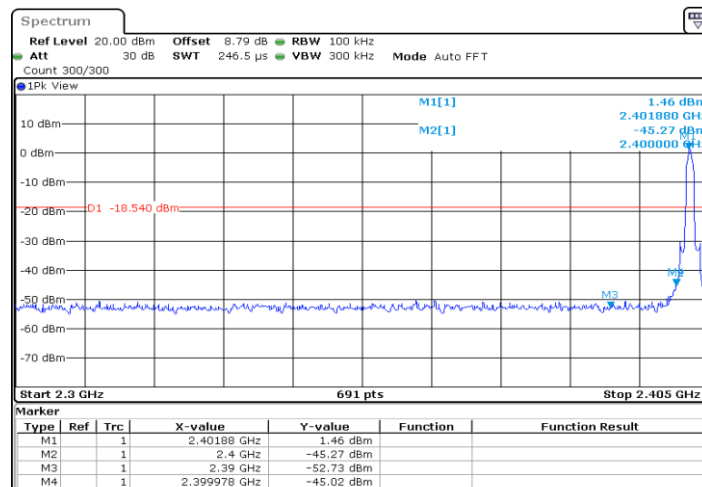
Date: 28.APR.2020 10:44:16

## 2DH1\_Ant1\_High\_Hop\_2480



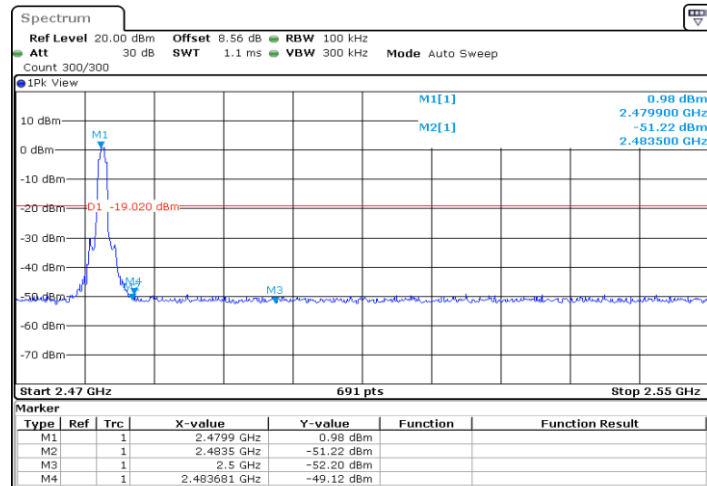
Date: 28.APR.2020 10:31:53

## 3DH1\_Ant1\_Low\_2402



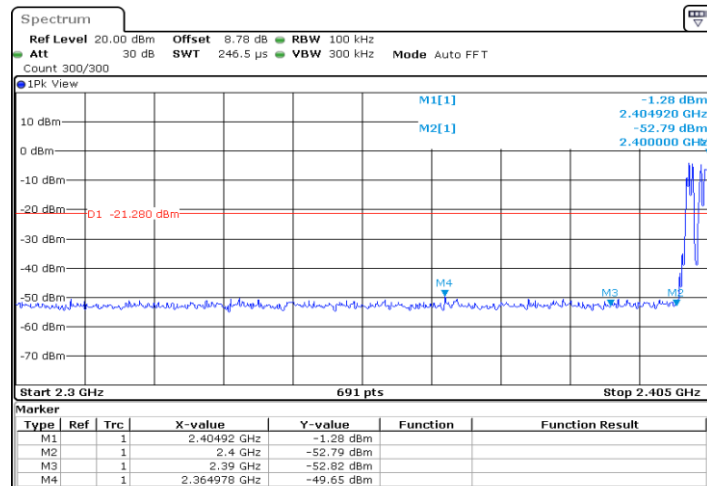
Date: 28.APR.2020 10:19:39

## 3DH1\_Ant1\_High\_2480



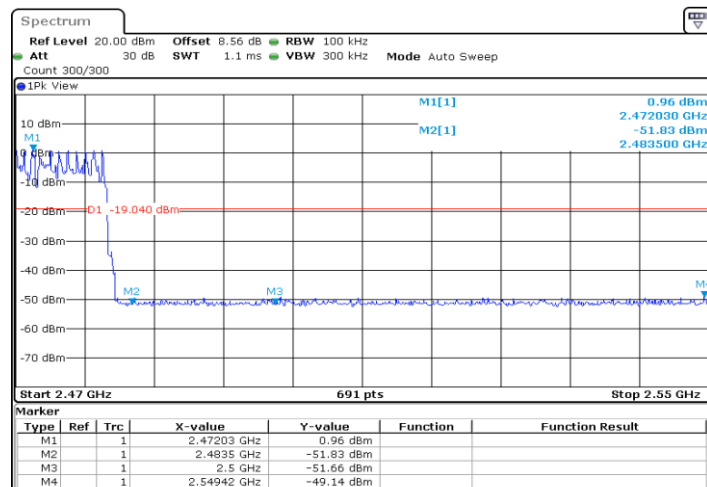
Date: 28.APR.2020 10:22:32

## 3DH1\_Ant1\_Low\_Hop\_2402



Date: 28.APR.2020 10:35:09

## 3DH1\_Ant1\_High\_Hop\_2480



Date: 28.APR.2020 10:36:59