



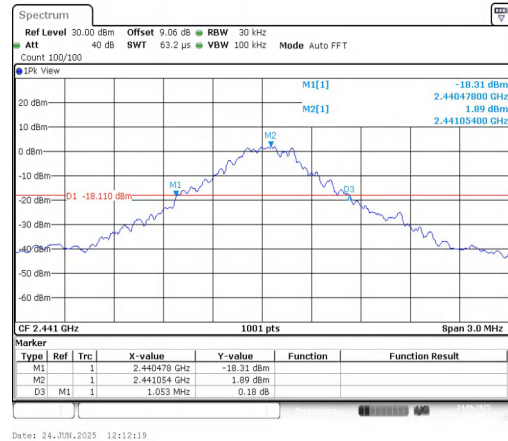
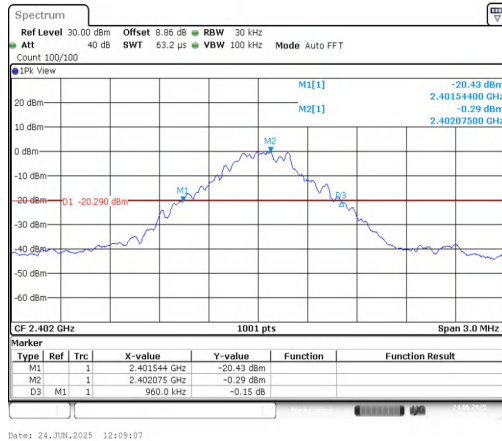
## Appendix A: 20dB Emission Bandwidth

### Test Result

| Test Mode | Antenna | Freq(MHz) | 20dB EBW[MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|-----------|---------|-----------|---------------|---------|---------|------------|---------|
| DH5       | Ant1    | 2402      | 0.96          | 2401.54 | 2402.50 | ---        | ---     |
| DH5       | Ant1    | 2441      | 1.05          | 2440.48 | 2441.53 | ---        | ---     |
| DH5       | Ant1    | 2480      | 1.08          | 2479.47 | 2480.54 | ---        | ---     |
| 2DH5      | Ant1    | 2402      | 1.19          | 2401.42 | 2402.60 | ---        | ---     |
| 2DH5      | Ant1    | 2441      | 1.27          | 2440.40 | 2441.67 | ---        | ---     |
| 2DH5      | Ant1    | 2480      | 1.38          | 2479.32 | 2480.71 | ---        | ---     |
| 3DH5      | Ant1    | 2402      | 1.20          | 2401.42 | 2402.63 | ---        | ---     |
| 3DH5      | Ant1    | 2441      | 1.26          | 2440.38 | 2441.64 | ---        | ---     |
| 3DH5      | Ant1    | 2480      | 1.37          | 2479.32 | 2480.69 | ---        | ---     |

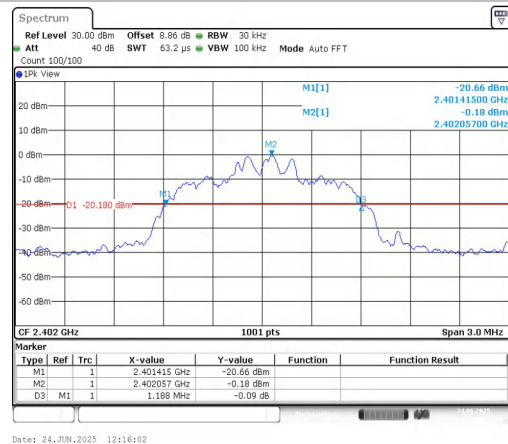
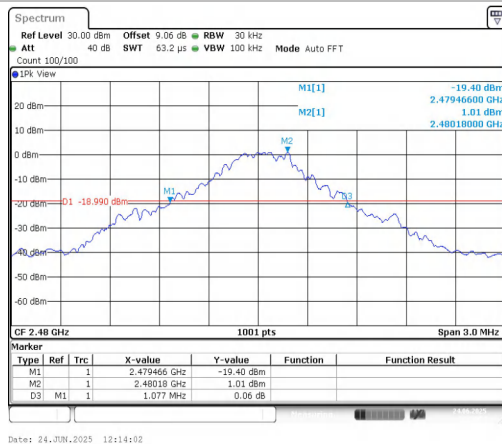


## Test Graphs



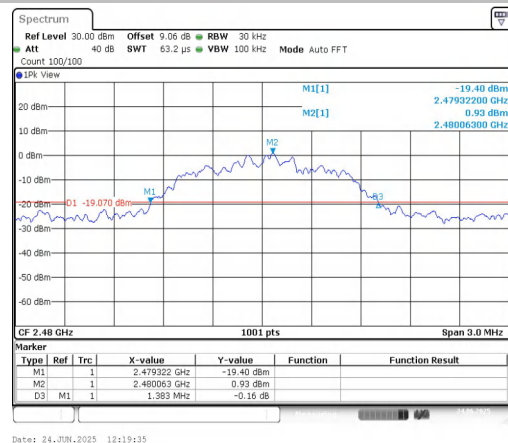
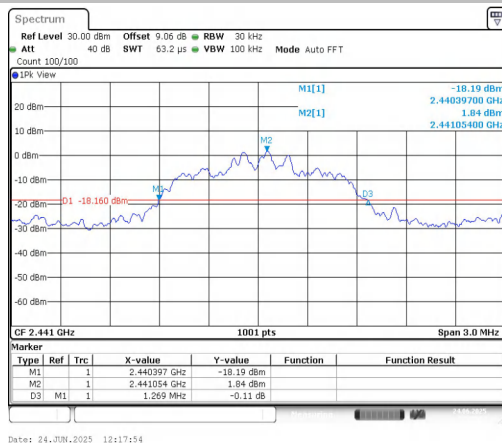
DH5-Ant1-2402

DH5-Ant1-2441



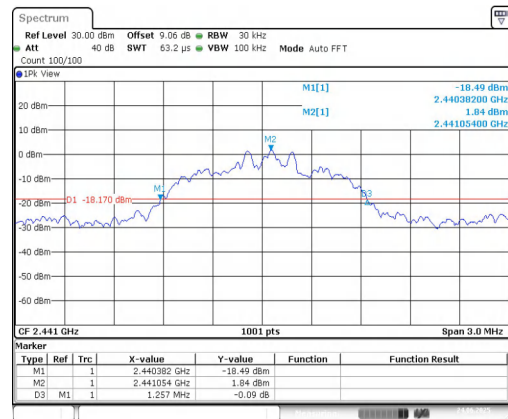
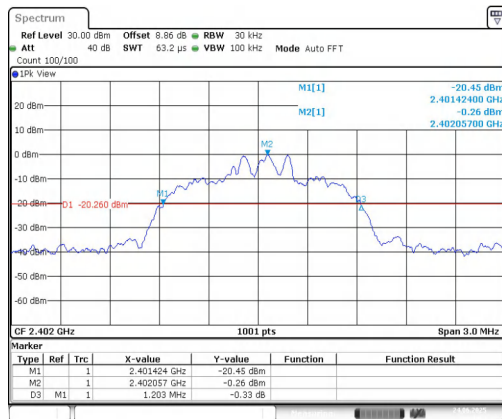
DH5-Ant1-2480

2DH5-Ant1-2402



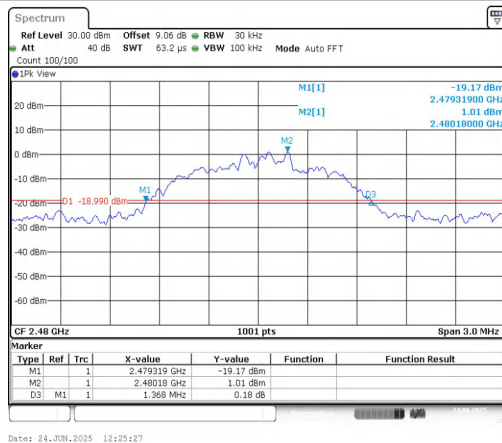
2DH5-Ant1-2441

2DH5-Ant1-2480



3DH5-Ant1-2402

3DH5-Ant1-2441



3DH5-Ant1-2480



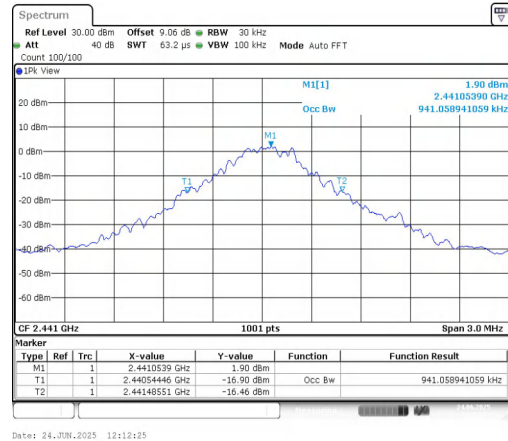
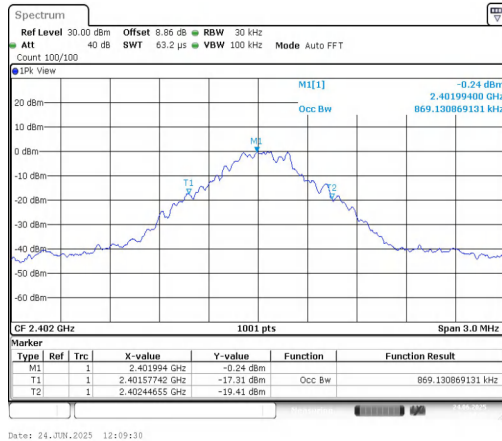
## Appendix B: Occupied Channel Bandwidth

### Test Result

| Test Mode | Antenna | Freq(MHz) | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|-----------|---------|-----------|-----------|-----------|-----------|------------|---------|
| DH5       | Ant1    | 2402      | 0.869     | 2401.5774 | 2402.4466 | ---        | ---     |
| DH5       | Ant1    | 2441      | 0.941     | 2440.5445 | 2441.4855 | ---        | ---     |
| DH5       | Ant1    | 2480      | 1.028     | 2479.4845 | 2480.5125 | ---        | ---     |
| 2DH5      | Ant1    | 2402      | 1.115     | 2401.4605 | 2402.5754 | ---        | ---     |
| 2DH5      | Ant1    | 2441      | 1.319     | 2440.3676 | 2441.6863 | ---        | ---     |
| 2DH5      | Ant1    | 2480      | 1.678     | 2479.1668 | 2480.8452 | ---        | ---     |
| 3DH5      | Ant1    | 2402      | 1.115     | 2401.4605 | 2402.5754 | ---        | ---     |
| 3DH5      | Ant1    | 2441      | 1.331     | 2440.3556 | 2441.6863 | ---        | ---     |
| 3DH5      | Ant1    | 2480      | 1.516     | 2479.2627 | 2480.7792 | ---        | ---     |

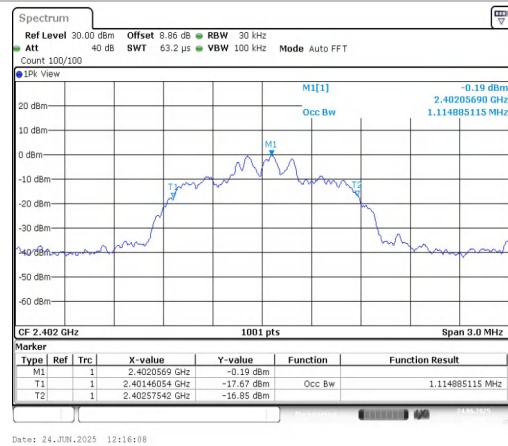
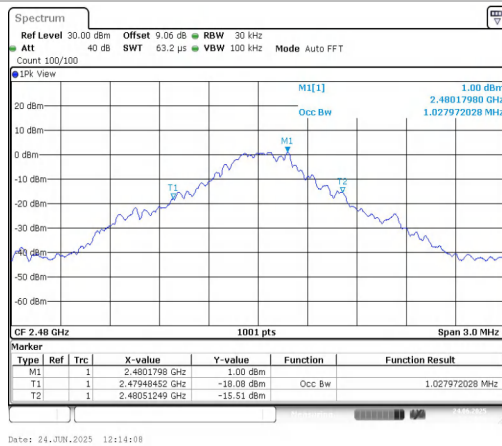


## Test Graphs



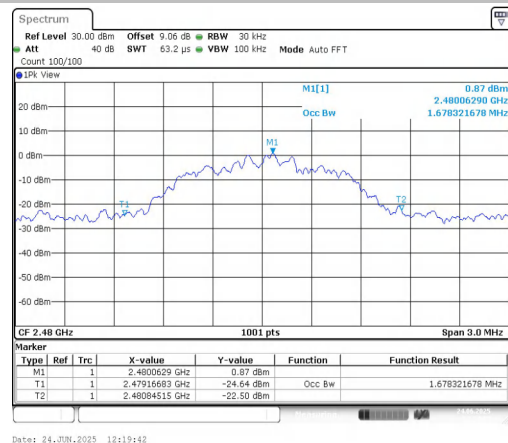
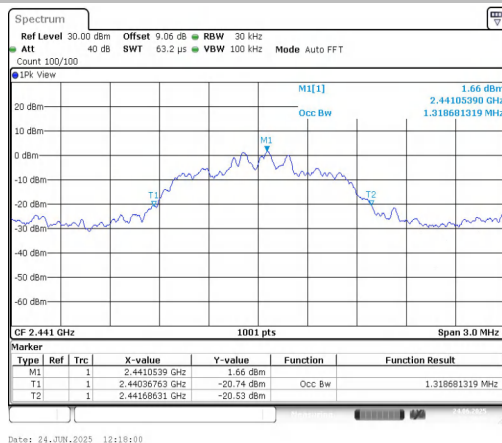
DH5-Ant1-2402

DH5-Ant1-2441



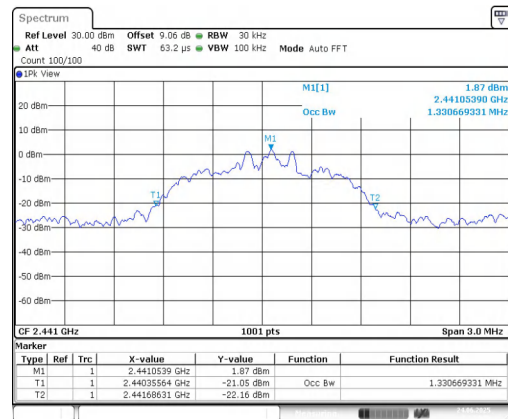
DH5-Ant1-2480

2DH5-Ant1-2402



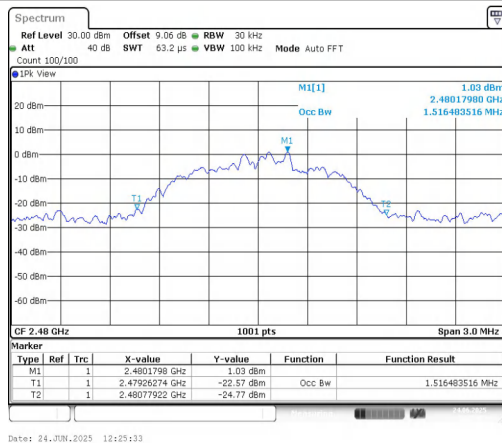
2DH5-Ant1-2441

2DH5-Ant1-2480



3DH5-Ant1-2402

3DH5-Ant1-2441



3DH5-Ant1-2480



## Appendix C: Maximum conducted output power

### Test Result Peak

| Test Mode | Antenna | Frequency [MHz] | Peak Power [dBm] | Peak Powe Limit [dBm] | Gain [dBi] | EIRP [dBm] | EIRP Limit [dBm] | Verdict |
|-----------|---------|-----------------|------------------|-----------------------|------------|------------|------------------|---------|
| DH5       | Ant1    | 2402            | 3.19             | ≤30                   | 0.00       | 3.19       | --               | PASS    |
| DH5       | Ant1    | 2441            | 5.06             | ≤30                   | 0.00       | 5.06       | --               | PASS    |
| DH5       | Ant1    | 2480            | 4.35             | ≤30                   | 0.00       | 4.35       | --               | PASS    |
| 2DH5      | Ant1    | 2402            | 3.19             | ≤30                   | 0.00       | 3.19       | --               | PASS    |
| 2DH5      | Ant1    | 2441            | 5.00             | ≤30                   | 0.00       | 5.00       | --               | PASS    |
| 2DH5      | Ant1    | 2480            | 4.30             | ≤30                   | 0.00       | 4.30       | --               | PASS    |
| 3DH5      | Ant1    | 2402            | 3.06             | ≤30                   | 0.00       | 3.06       | --               | PASS    |
| 3DH5      | Ant1    | 2441            | 5.01             | ≤30                   | 0.00       | 5.01       | --               | PASS    |
| 3DH5      | Ant1    | 2480            | 4.25             | ≤30                   | 0.00       | 4.25       | --               | PASS    |



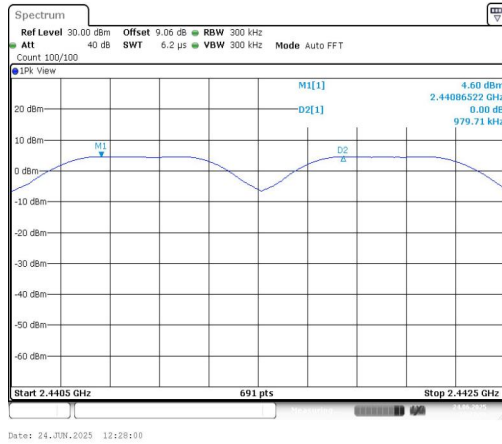
## Appendix D: Carrier frequency separation

### Test Result

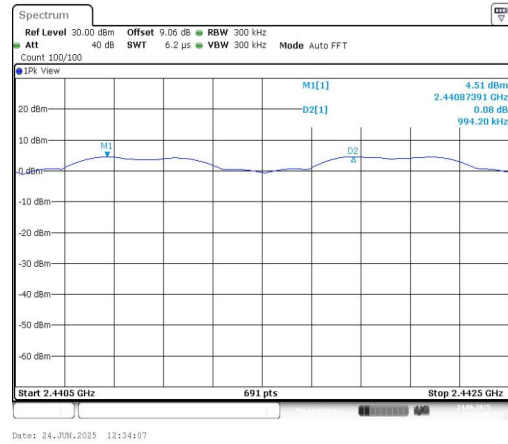
| Test Mode | Antenna | Freq(MHz) | Result[MHz] | Limit[MHz]   | Verdict |
|-----------|---------|-----------|-------------|--------------|---------|
| DH5       | Ant1    | Hop       | 0.98        | $\geq 0.720$ | PASS    |
| 2DH5      | Ant1    | Hop       | 0.994       | $\geq 0.920$ | PASS    |
| 3DH5      | Ant1    | Hop       | 1.006       | $\geq 0.913$ | PASS    |



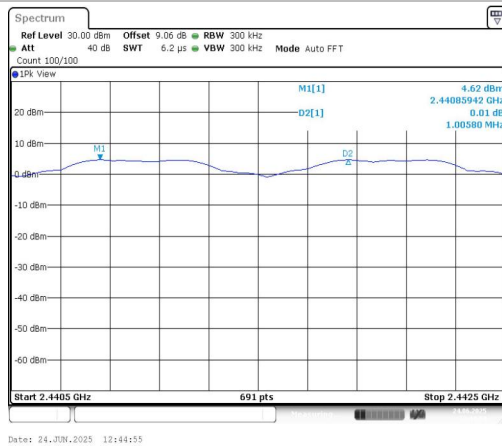
## Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS



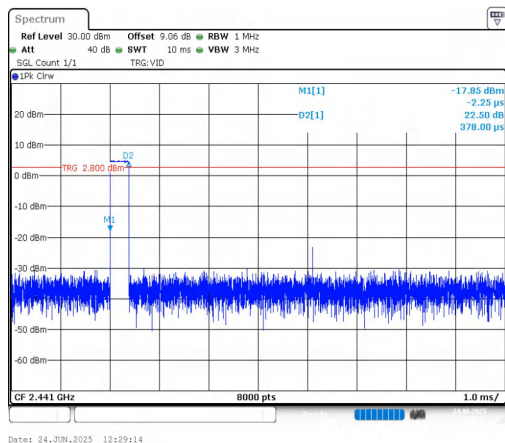
## Appendix E: Time of occupancy

### Test Result

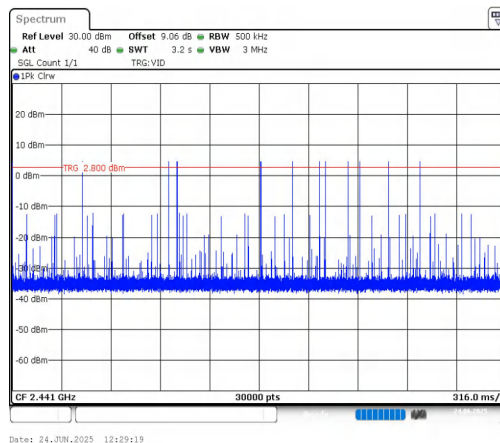
| Test Mode | Antenna | Freq(MHz) | BurstWidth<br>[ms] | TotalHops<br>[Num] | Result[s] | Limit[s] | Verdict |
|-----------|---------|-----------|--------------------|--------------------|-----------|----------|---------|
| DH1       | Ant1    | Hop       | 0.378              | 130                | 0.049     | ≤0.4     | PASS    |
| DH3       | Ant1    | Hop       | 1.625              | 90                 | 0.146     | ≤0.4     | PASS    |
| DH5       | Ant1    | Hop       | 2.867              | 70                 | 0.201     | ≤0.4     | PASS    |
| 2DH1      | Ant1    | Hop       | 0.388              | 100                | 0.039     | ≤0.4     | PASS    |
| 2DH3      | Ant1    | Hop       | 1.631              | 70                 | 0.114     | ≤0.4     | PASS    |
| 2DH5      | Ant1    | Hop       | 2.873              | 50                 | 0.144     | ≤0.4     | PASS    |
| 3DH1      | Ant1    | Hop       | 0.388              | 140                | 0.054     | ≤0.4     | PASS    |
| 3DH3      | Ant1    | Hop       | 1.630              | 100                | 0.163     | ≤0.4     | PASS    |
| 3DH5      | Ant1    | Hop       | 2.873              | 80                 | 0.23      | ≤0.4     | PASS    |



## Test Graphs



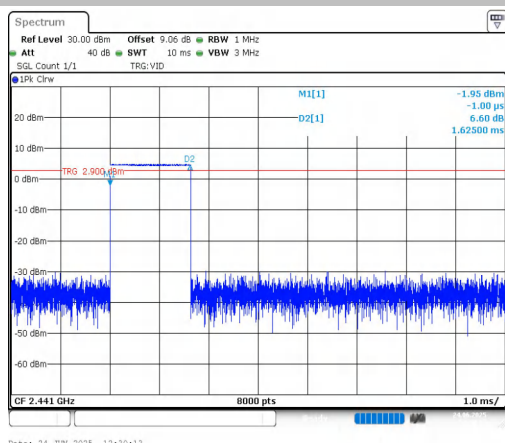
Date: 24.JUN.2025 12:29:14



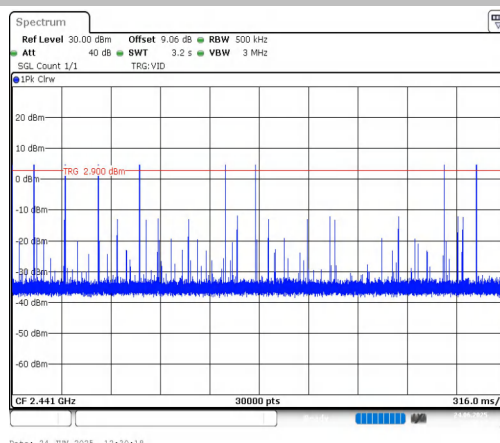
Date: 24.JUN.2025 12:29:19

DH1-Ant1-Hop-PASS

DH1-Ant1-Hop-PASS



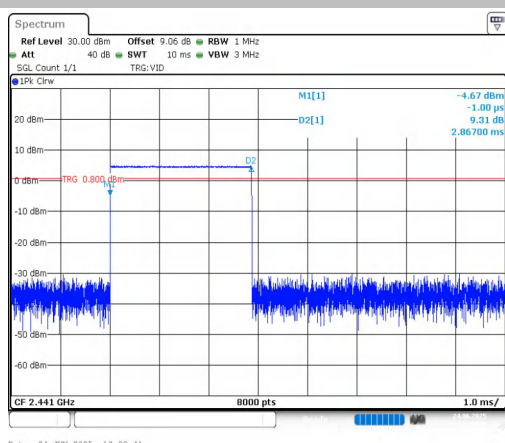
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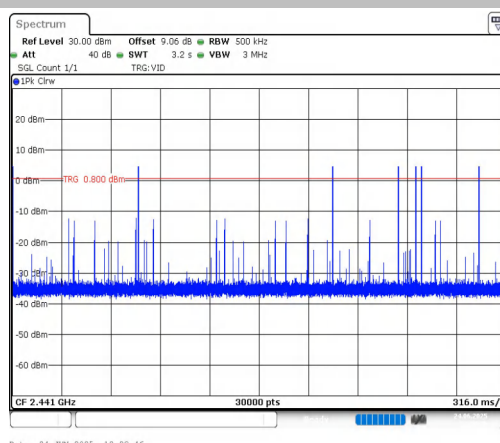
Date: 24.JUN.2025 12:30:18

DH3-Ant1-Hop-PASS

DH3-Ant1-Hop-PASS



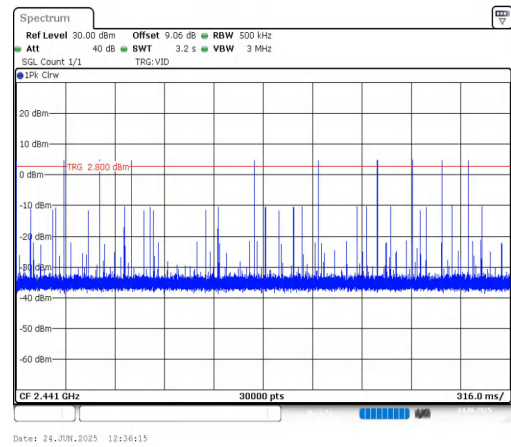
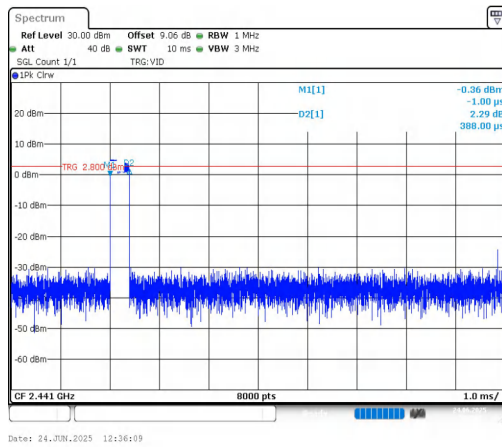
Date: 24.JUN.2025 12:28:41



Date: 24.JUN.2025 12:28:46

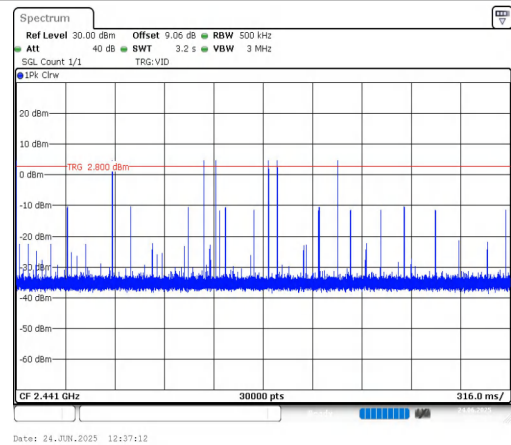
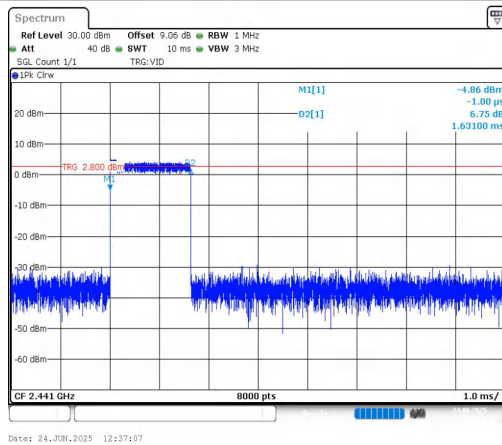
DH5-Ant1-Hop-PASS

DH5-Ant1-Hop-PASS



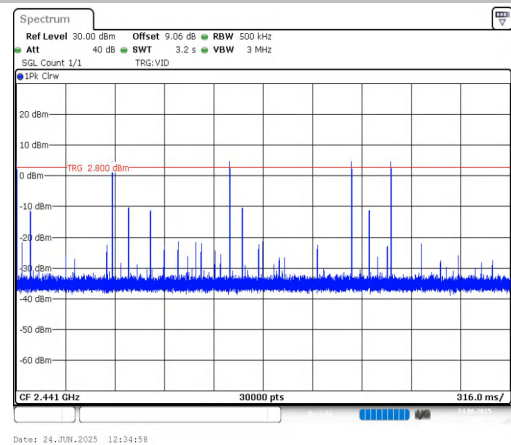
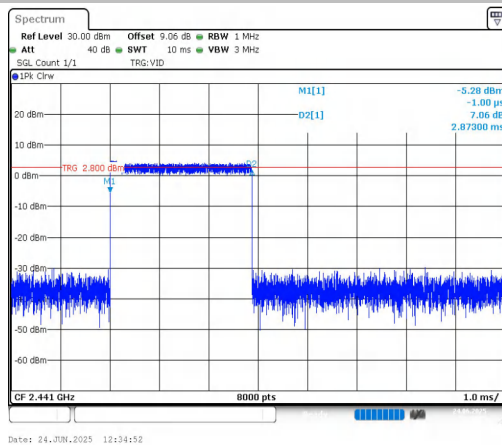
2DH1-Ant1-Hop-PASS

2DH1-Ant1-Hop-PASS



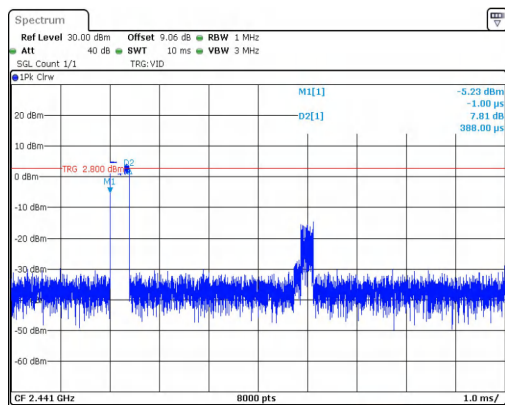
2DH3-Ant1-Hop-PASS

2DH3-Ant1-Hop-PASS

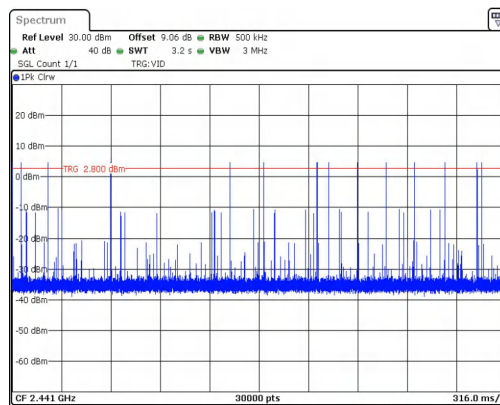


2DH5-Ant1-Hop-PASS

2DH5-Ant1-Hop-PASS



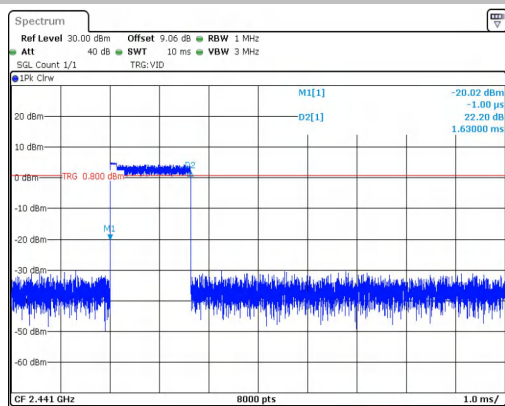
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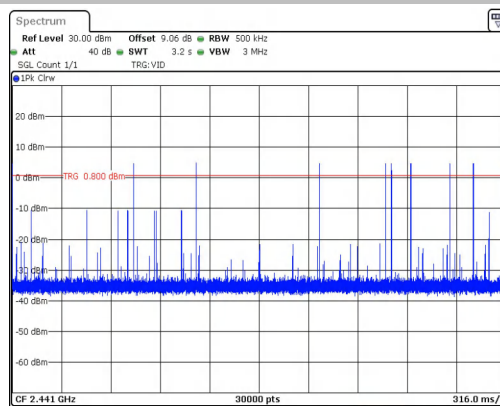
Date: 24.JUN.2025 12:46:08

3DH1-Ant1-Hop-PASS

3DH1-Ant1-Hop-PASS



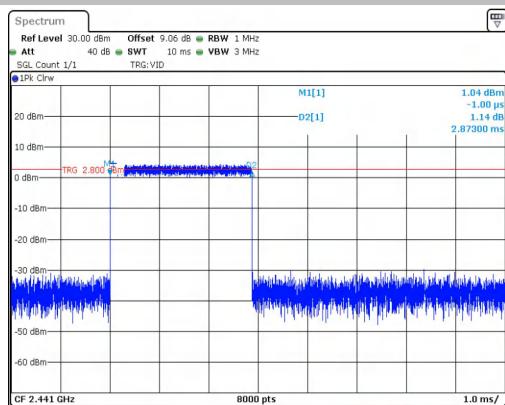
Date: 24.JUN.2025 12:46:35



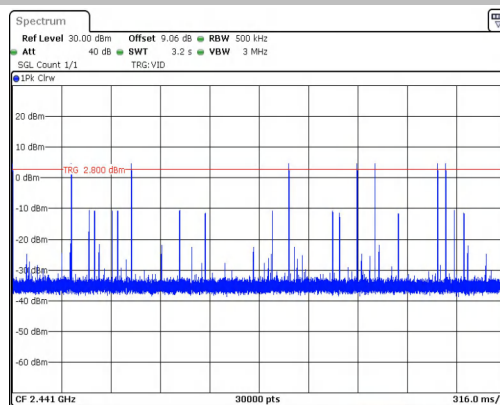
Date: 24.JUN.2025 12:46:40

3DH3-Ant1-Hop-PASS

3DH3-Ant1-Hop-PASS



Date: 24.JUN.2025 12:45:30



Date: 24.JUN.2025 12:45:35

3DH5-Ant1-Hop-PASS

3DH5-Ant1-Hop-PASS



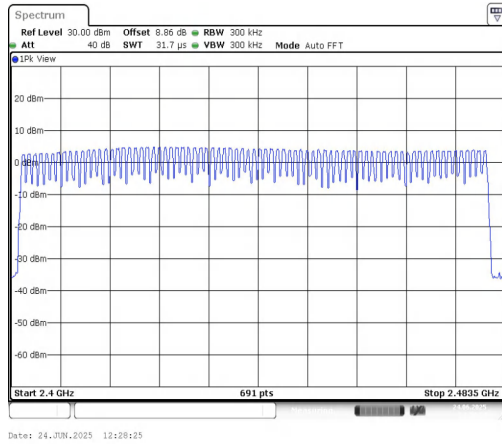
## Appendix F: Number of hopping channels

### Test Result

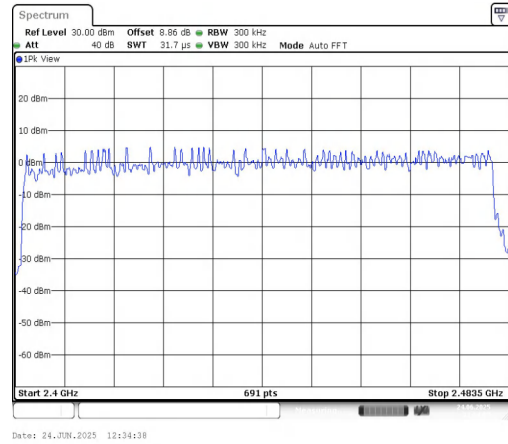
| Test Mode | Antenna | Freq(MHz) | Result[Num] | Limit[Num] | Verdict |
|-----------|---------|-----------|-------------|------------|---------|
| DH5       | Ant1    | Hop       | 79          | ≥15        | PASS    |
| 2DH5      | Ant1    | Hop       | 79          | ≥15        | PASS    |
| 3DH5      | Ant1    | Hop       | 79          | ≥15        | PASS    |



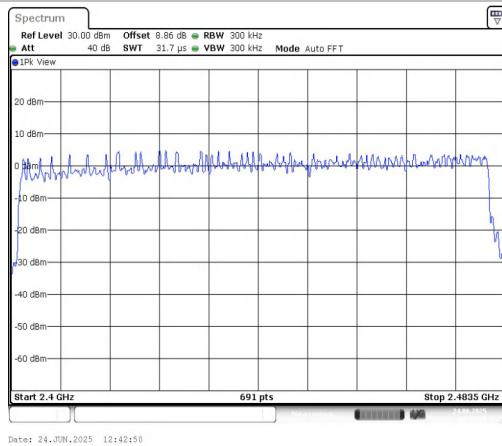
## Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS



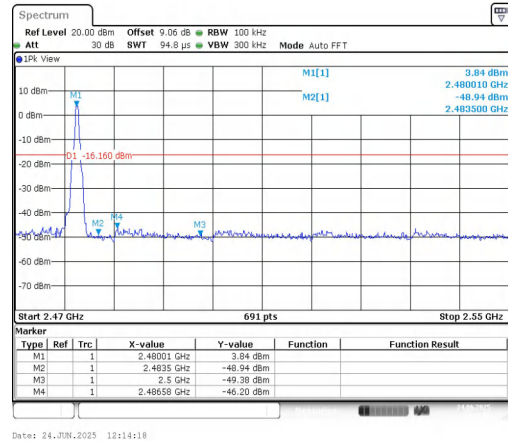
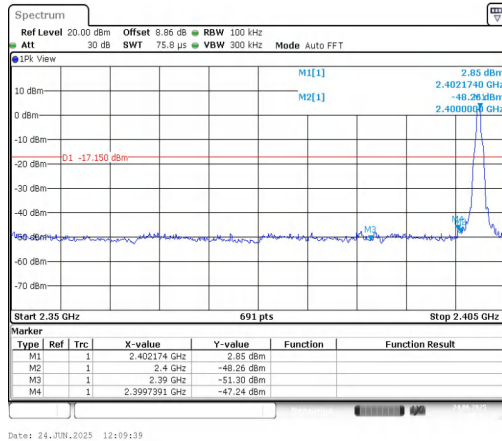
## Appendix G: Band edge measurements

### Test Result

| Test Mode | Antenna | ChName | Freq(MHz) | Ref Level [dBm] | Result [dBm] | Limit [dBm]   | Verdict |
|-----------|---------|--------|-----------|-----------------|--------------|---------------|---------|
| DH5       | Ant1    | Low    | 2402      | 2.85            | -47.24       | $\leq -17.15$ | PASS    |
| DH5       | Ant1    | High   | 2480      | 3.84            | -46.2        | $\leq -16.16$ | PASS    |
| DH5       | Ant1    | Low    | Hop_2402  | 2.44            | -47.72       | $\leq -17.56$ | PASS    |
| DH5       | Ant1    | High   | Hop_2480  | 3.67            | -46.37       | $\leq -16.33$ | PASS    |
| 2DH5      | Ant1    | Low    | 2402      | 2.25            | -42.21       | $\leq -17.75$ | PASS    |
| 2DH5      | Ant1    | High   | 2480      | 3.82            | -33.03       | $\leq -16.18$ | PASS    |
| 2DH5      | Ant1    | Low    | Hop_2402  | 1.86            | -48.01       | $\leq -18.14$ | PASS    |
| 2DH5      | Ant1    | High   | Hop_2480  | 3.40            | -40.02       | $\leq -16.6$  | PASS    |
| 3DH5      | Ant1    | Low    | 2402      | 2.89            | -41          | $\leq -17.11$ | PASS    |
| 3DH5      | Ant1    | High   | 2480      | 3.59            | -35.07       | $\leq -16.41$ | PASS    |
| 3DH5      | Ant1    | Low    | Hop_2402  | 2.04            | -48.05       | $\leq -17.96$ | PASS    |
| 3DH5      | Ant1    | High   | Hop_2480  | 2.89            | -39.06       | $\leq -17.11$ | PASS    |

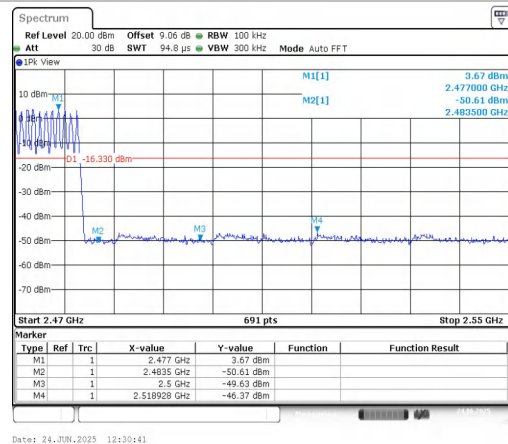
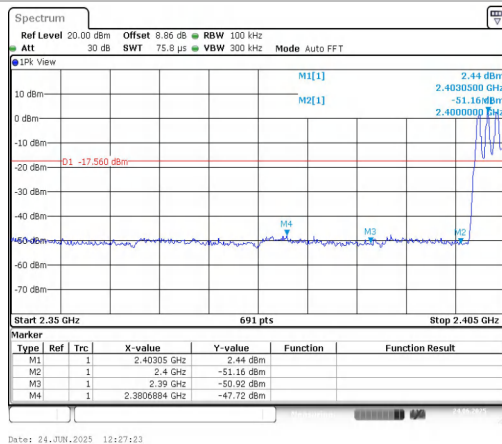


## Test Graphs



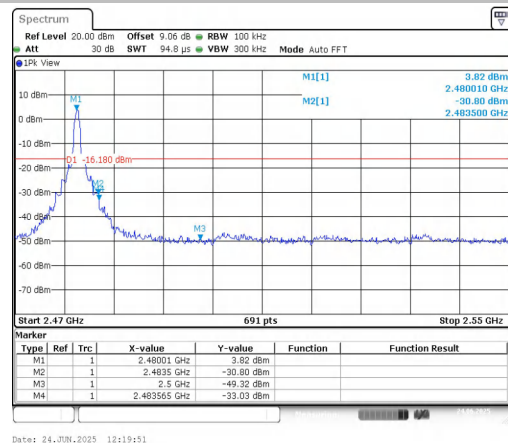
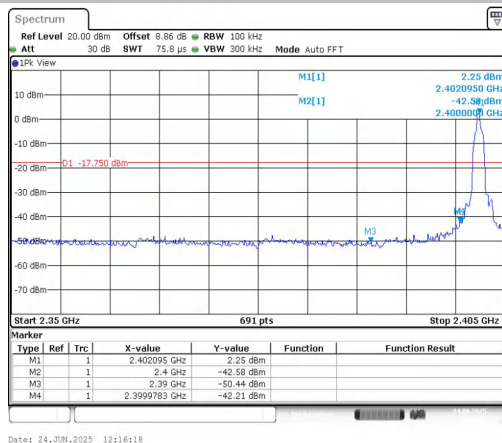
DH5-Ant1-2402-PASS

DH5-Ant1-2480-PASS



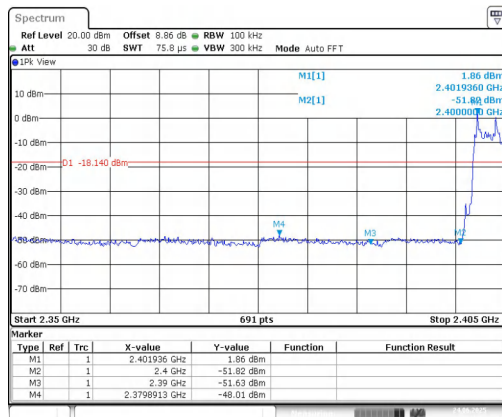
DH5-Ant1-Hop\_2402-PASS

DH5-Ant1-Hop\_2480-PASS

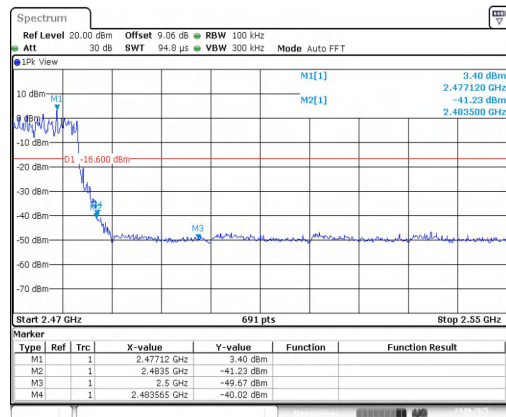


2DH5-Ant1-2402-PASS

2DH5-Ant1-2480-PASS



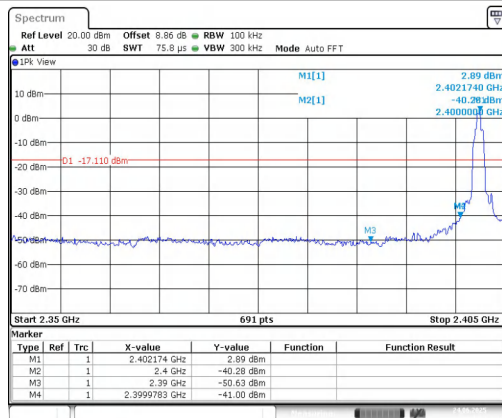
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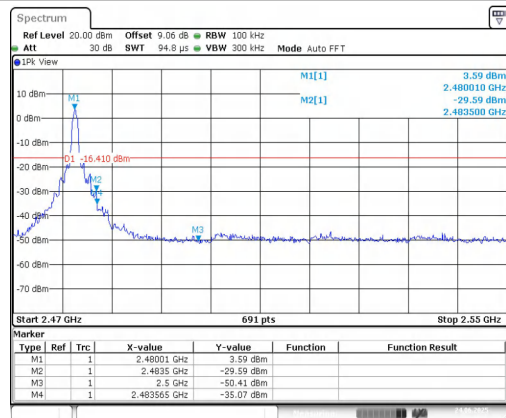
Date: 24.JUN.2025 12:37:37

## 2DH5-Ant1-Hop\_2402-PASS

## 2DH5-Ant1-Hop\_2480-PASS



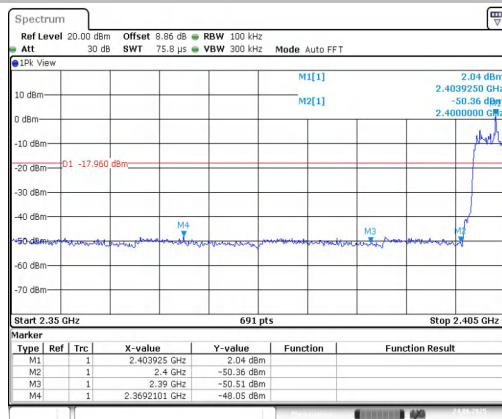
Date: 24.JUN.2025 12:21:45



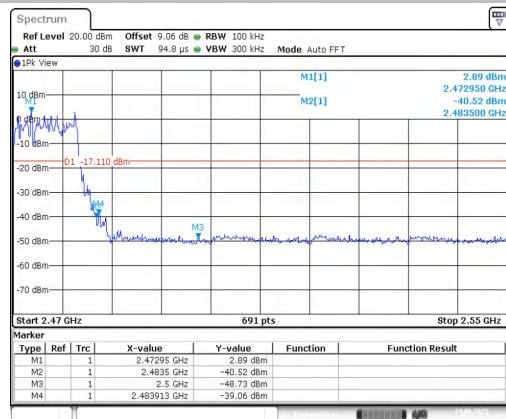
Date: 24.JUN.2025 12:25:43

## 3DH5-Ant1-2402-PASS

## 3DH5-Ant1-2480-PASS



Date: 24.JUN.2025 12:38:44



Date: 24.JUN.2025 12:47:04

## 3DH5-Ant1-Hop\_2402-PASS

## 3DH5-Ant1-Hop\_2480-PASS



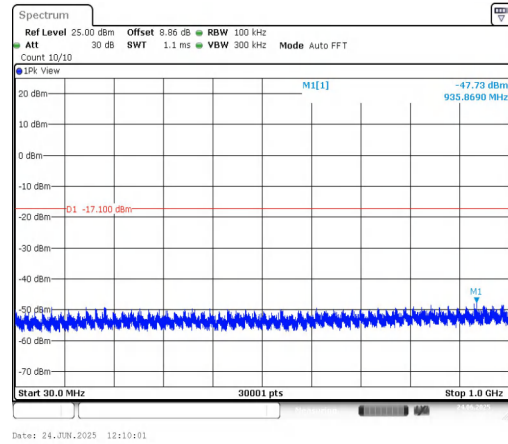
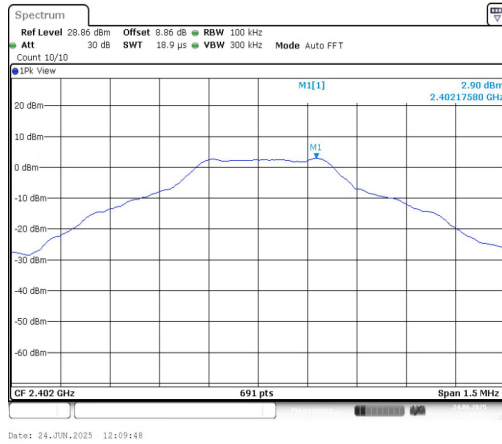
## Appendix H: Conducted Spurious Emission

### Test Result

| Test Mode | Antenna | Freq(MHz) | Freq Range [MHz] | Ref Level [dBm] | Result [dBm] | Limit [dBm]   | Verdict |
|-----------|---------|-----------|------------------|-----------------|--------------|---------------|---------|
| DH5       | Ant1    | 2402      | 0~Reference      | 2.90            | 2.90         | ---           | PASS    |
| DH5       | Ant1    | 2402      | 30~1000          | 2.90            | -47.73       | $\leq -17.1$  | PASS    |
| DH5       | Ant1    | 2402      | 1000~26500       | 2.90            | -36.91       | $\leq -17.1$  | PASS    |
| DH5       | Ant1    | 2441      | 0~Reference      | 4.86            | 4.86         | ---           | PASS    |
| DH5       | Ant1    | 2441      | 30~1000          | 4.86            | -47.66       | $\leq -15.14$ | PASS    |
| DH5       | Ant1    | 2441      | 1000~26500       | 4.86            | -36.3        | $\leq -15.14$ | PASS    |
| DH5       | Ant1    | 2480      | 0~Reference      | 4.15            | 4.15         | ---           | PASS    |
| DH5       | Ant1    | 2480      | 30~1000          | 4.15            | -46.56       | $\leq -15.85$ | PASS    |
| DH5       | Ant1    | 2480      | 1000~26500       | 4.15            | -37.32       | $\leq -15.85$ | PASS    |
| 2DH5      | Ant1    | 2402      | 0~Reference      | 2.81            | 2.81         | ---           | PASS    |
| 2DH5      | Ant1    | 2402      | 30~1000          | 2.81            | -47.03       | $\leq -17.19$ | PASS    |
| 2DH5      | Ant1    | 2402      | 1000~26500       | 2.81            | -36.8        | $\leq -17.19$ | PASS    |
| 2DH5      | Ant1    | 2441      | 0~Reference      | 4.75            | 4.75         | ---           | PASS    |
| 2DH5      | Ant1    | 2441      | 30~1000          | 4.75            | -47.52       | $\leq -15.25$ | PASS    |
| 2DH5      | Ant1    | 2441      | 1000~26500       | 4.75            | -35.68       | $\leq -15.25$ | PASS    |
| 2DH5      | Ant1    | 2480      | 0~Reference      | 4.04            | 4.04         | ---           | PASS    |
| 2DH5      | Ant1    | 2480      | 30~1000          | 4.04            | -41.51       | $\leq -15.96$ | PASS    |
| 2DH5      | Ant1    | 2480      | 1000~26500       | 4.04            | -36.1        | $\leq -15.96$ | PASS    |
| 3DH5      | Ant1    | 2402      | 0~Reference      | 2.94            | 2.94         | ---           | PASS    |
| 3DH5      | Ant1    | 2402      | 30~1000          | 2.94            | -48.15       | $\leq -17.06$ | PASS    |
| 3DH5      | Ant1    | 2402      | 1000~26500       | 2.94            | -37.22       | $\leq -17.06$ | PASS    |
| 3DH5      | Ant1    | 2441      | 0~Reference      | 4.79            | 4.79         | ---           | PASS    |
| 3DH5      | Ant1    | 2441      | 30~1000          | 4.79            | -47.27       | $\leq -15.21$ | PASS    |
| 3DH5      | Ant1    | 2441      | 1000~26500       | 4.79            | -33.78       | $\leq -15.21$ | PASS    |
| 3DH5      | Ant1    | 2480      | 0~Reference      | 4.15            | 4.15         | ---           | PASS    |
| 3DH5      | Ant1    | 2480      | 30~1000          | 4.15            | -47.25       | $\leq -15.85$ | PASS    |
| 3DH5      | Ant1    | 2480      | 1000~26500       | 4.15            | -36.89       | $\leq -15.85$ | PASS    |

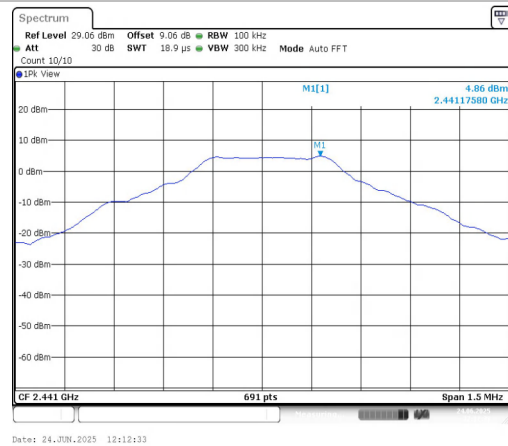
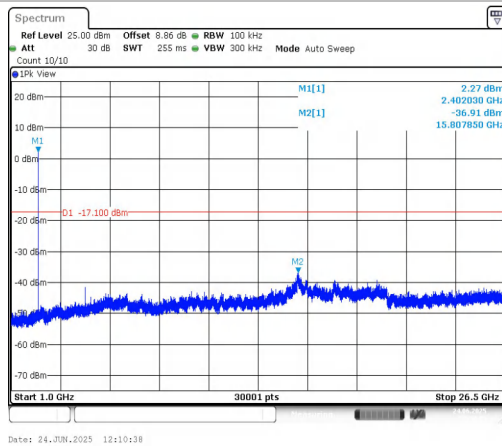


## Test Graphs



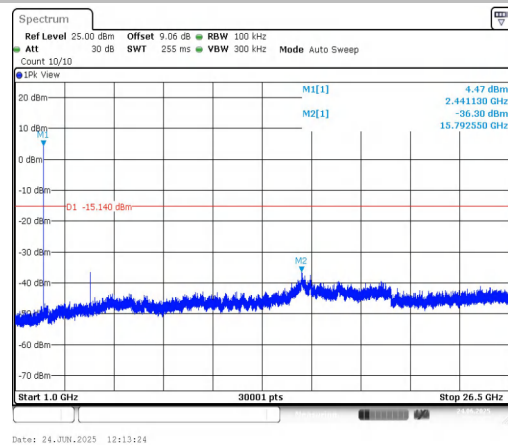
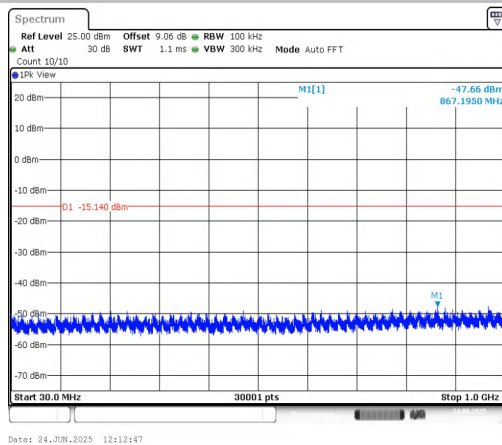
DH5-Ant1-2402-0~Reference-PASS

DH5-Ant1-2402-30~1000-PASS



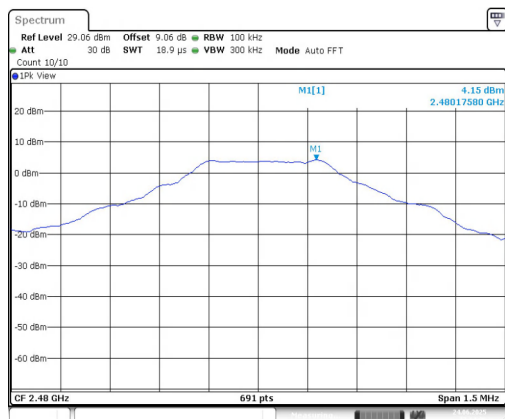
DH5-Ant1-2402-1000~26500-PASS

DH5-Ant1-2441-0~Reference-PASS

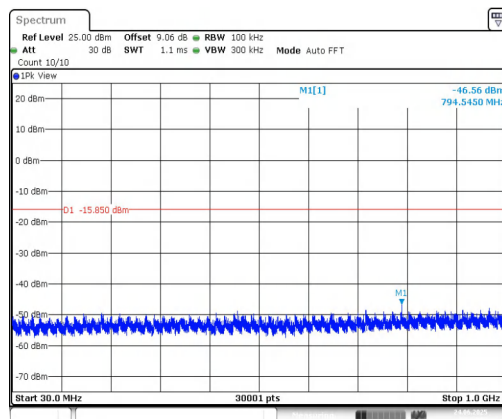


DH5-Ant1-2441-30~1000-PASS

DH5-Ant1-2441-1000~26500-PASS



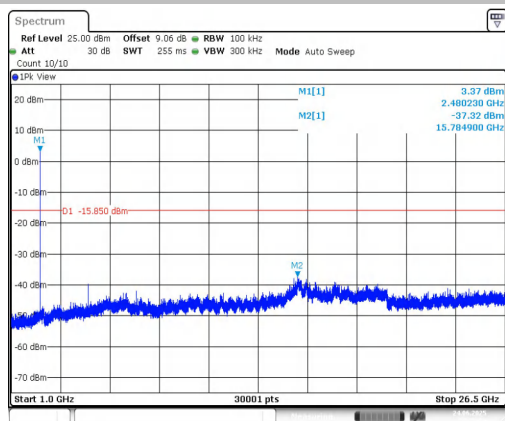
Date: 24.JUN.2025 12:14:27



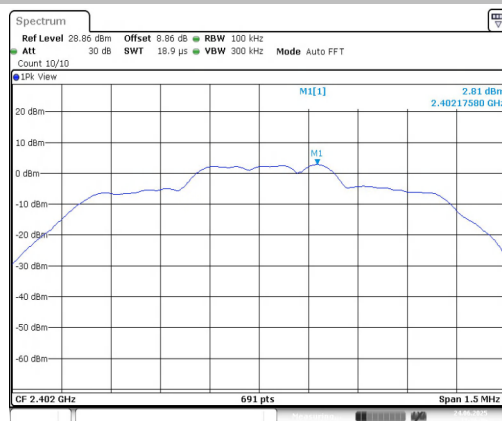
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DH5-Ant1-2480-0~Reference-PASS

DH5-Ant1-2480-30~1000-PASS



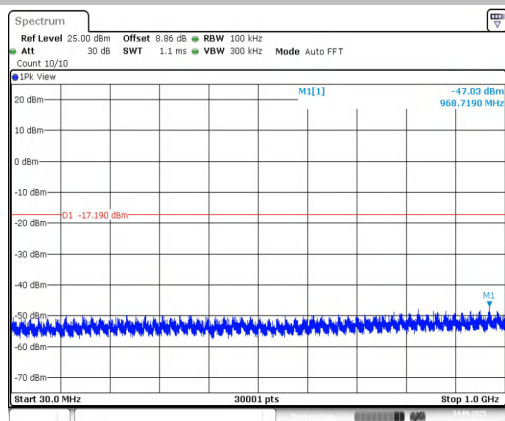
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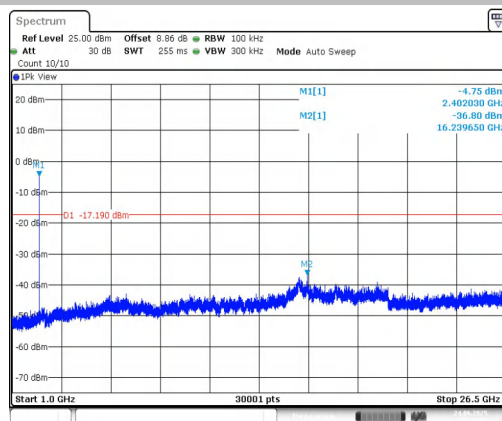
Date: 24.JUN.2025 12:16:27

DH5-Ant1-2480-1000~26500-PASS

2DH5-Ant1-2402-0~Reference-PASS



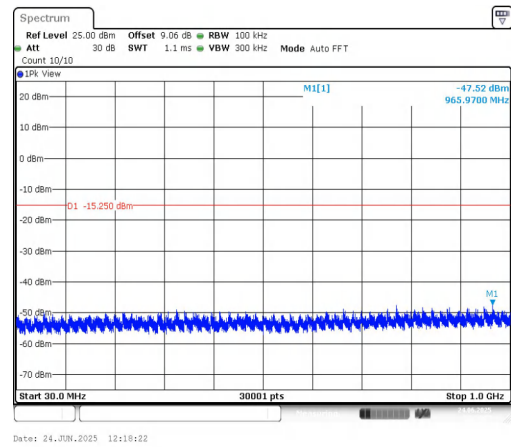
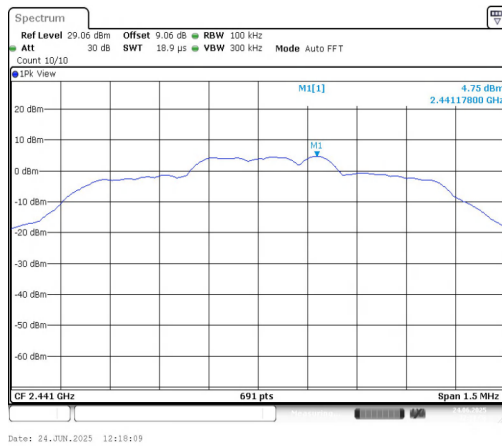
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Date: 24.JUN.2025 12:17:17

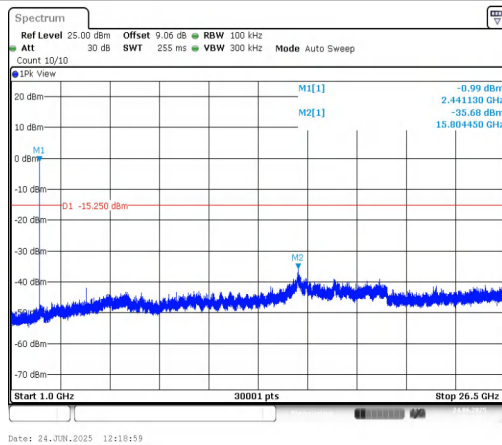
2DH5-Ant1-2402-30~1000-PASS

2DH5-Ant1-2402-1000~26500-PASS



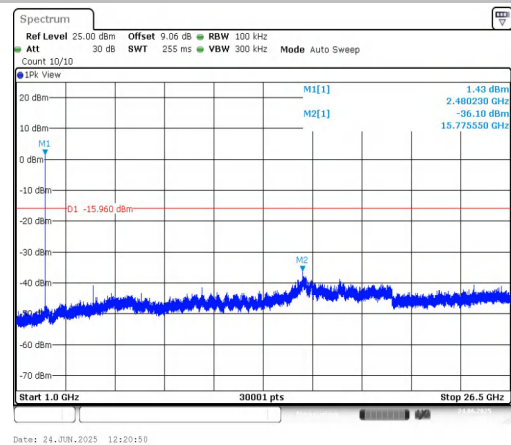
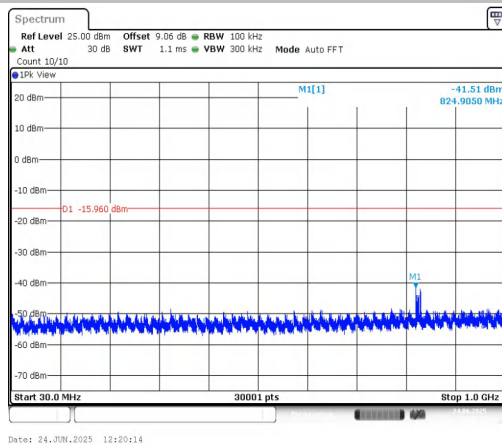
2DH5-Ant1-2441-0~Reference-PASS

2DH5-Ant1-2441-30~1000-PASS



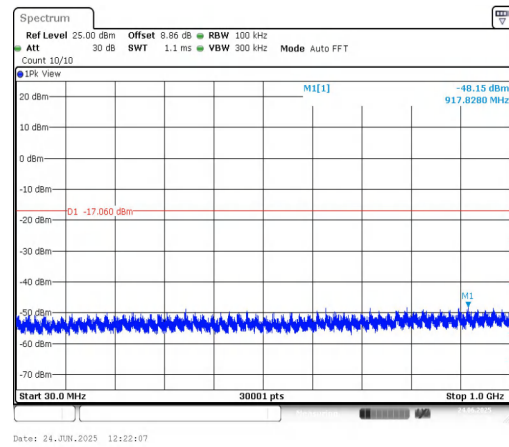
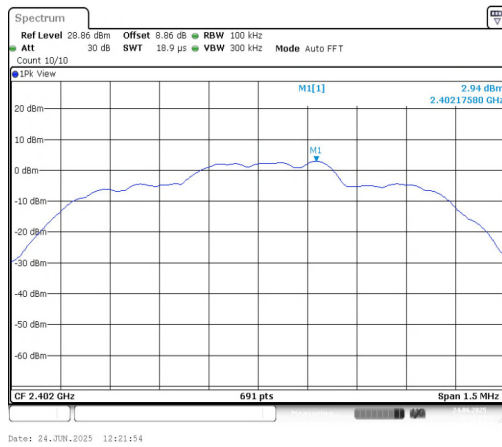
2DH5-Ant1-2441-1000~26500-PASS

2DH5-Ant1-2480-0~Reference-PASS



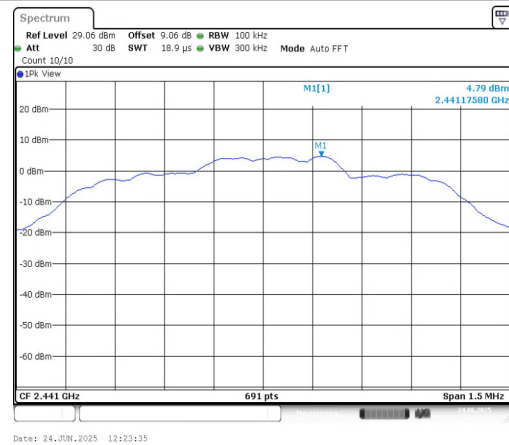
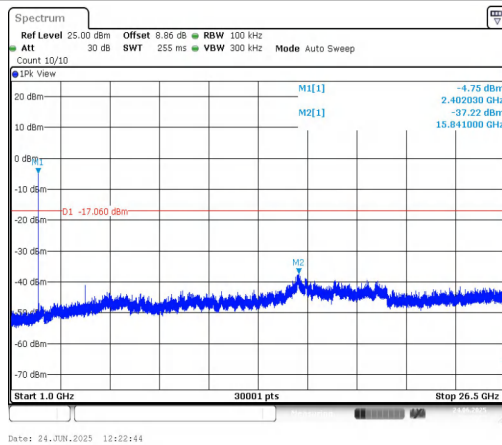
2DH5-Ant1-2480-30~1000-PASS

2DH5-Ant1-2480-1000~26500-PASS



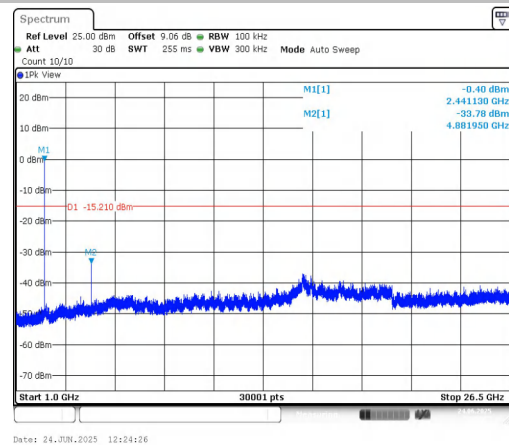
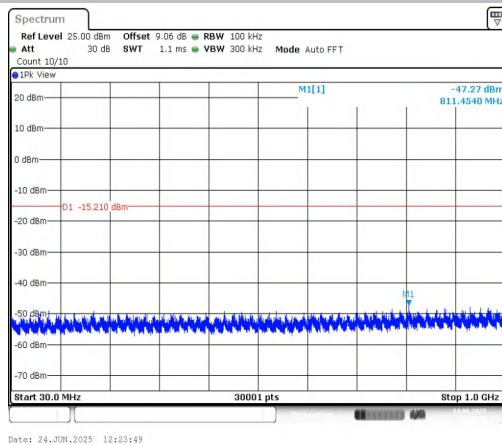
3DH5-Ant1-2402-0~Reference-PASS

3DH5-Ant1-2402-30~1000-PASS



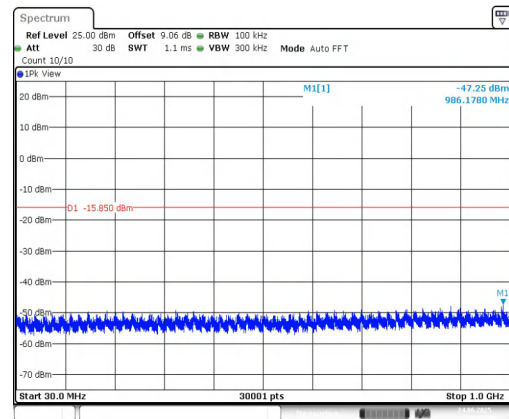
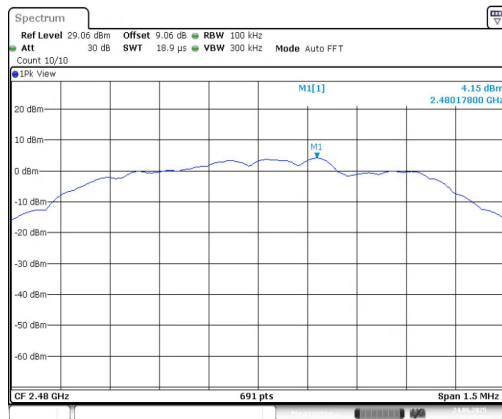
3DH5-Ant1-2402-1000~26500-PASS

3DH5-Ant1-2441-0~Reference-PASS



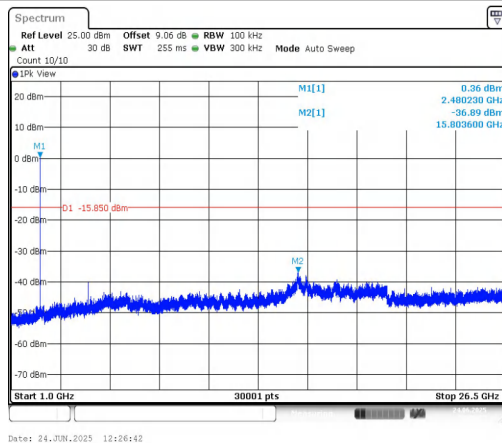
3DH5-Ant1-2441-30~1000-PASS

3DH5-Ant1-2441-1000~26500-PASS



3DH5-Ant1-2480-0~Reference-PASS

3DH5-Ant1-2480-30~1000-PASS



3DH5-Ant1-2480-1000~26500-PASS



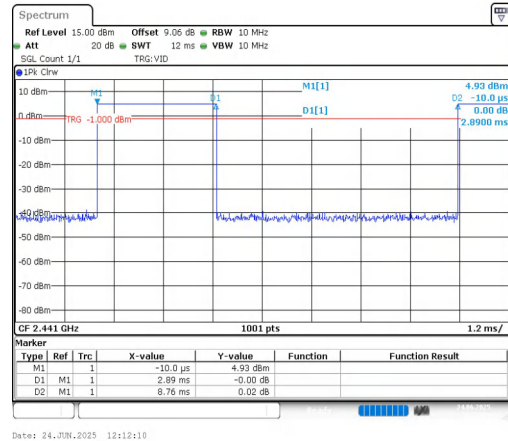
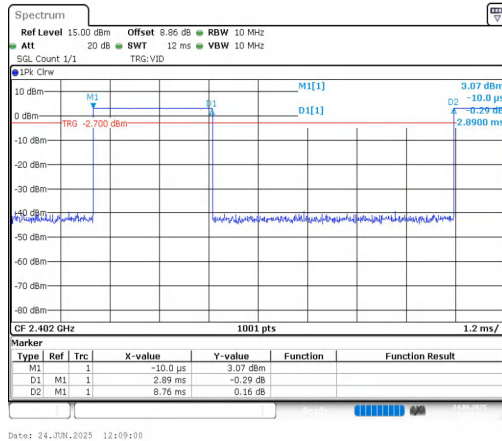
## Appendix I: Duty Cycle

### Test Result

| Test Mode | Antenna | Freq(MHz) | Transmission<br>Duration [ms] | Transmission<br>Period [ms] | Duty Cycle<br>[%] | DC Factor<br>(dB) |
|-----------|---------|-----------|-------------------------------|-----------------------------|-------------------|-------------------|
| DH5       | Ant1    | 2402      | 2.89                          | 8.76                        | 32.99             | 4.82              |
| DH5       | Ant1    | 2441      | 2.89                          | 8.76                        | 32.99             | 4.82              |
| DH5       | Ant1    | 2480      | 2.89                          | 8.76                        | 32.99             | 4.82              |
| 2DH5      | Ant1    | 2402      | 2.89                          | 8.76                        | 32.99             | 4.82              |
| 2DH5      | Ant1    | 2441      | 2.91                          | 8.76                        | 33.22             | 4.79              |
| 2DH5      | Ant1    | 2480      | 2.89                          | 8.75                        | 33.03             | 4.81              |
| 3DH5      | Ant1    | 2402      | 2.89                          | 8.76                        | 32.99             | 4.82              |
| 3DH5      | Ant1    | 2441      | 2.89                          | 8.75                        | 33.03             | 4.81              |
| 3DH5      | Ant1    | 2480      | 2.89                          | 8.75                        | 33.03             | 4.81              |

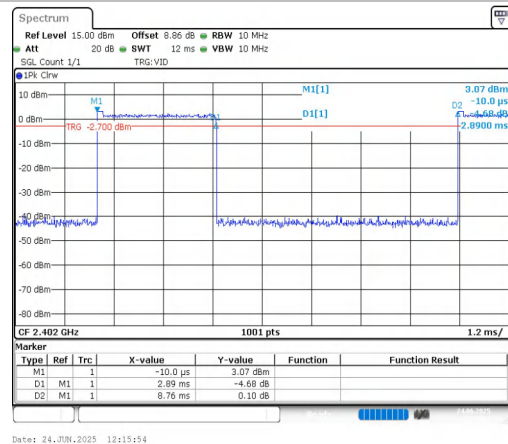
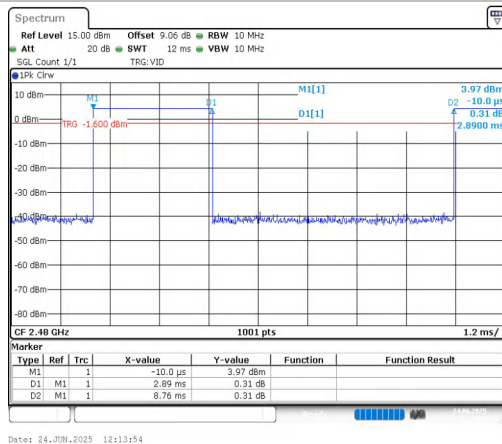


## Test Graphs



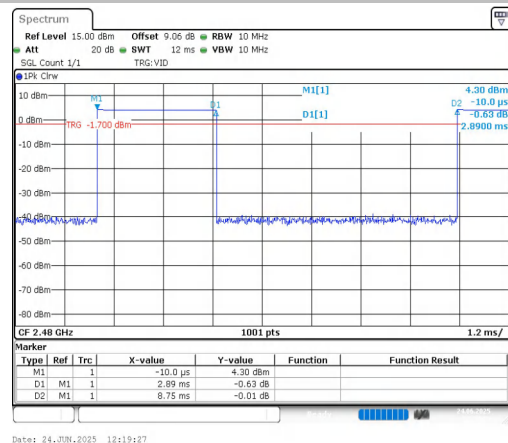
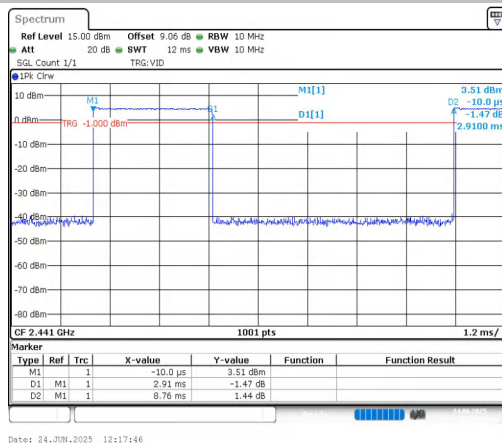
NTNV-DH5-Ant1-2402

NTNV-DH5-Ant1-2441



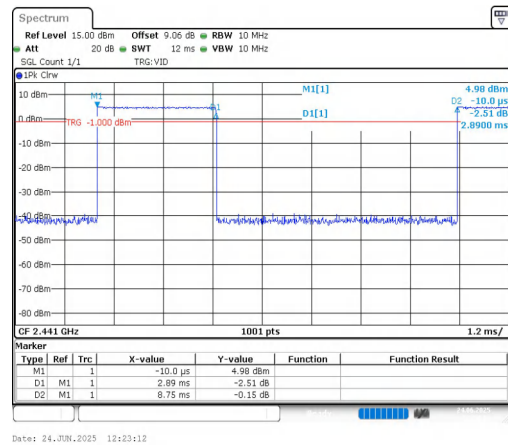
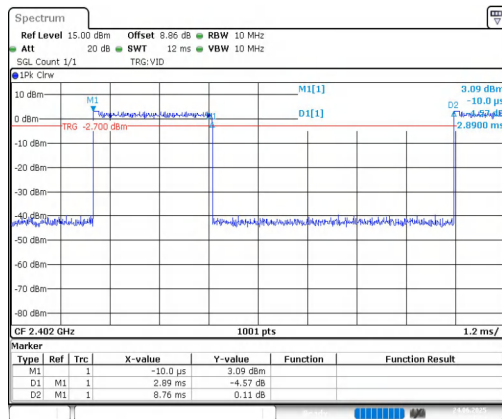
NTNV-DH5-Ant1-2480

NTNV-2DH5-Ant1-2402



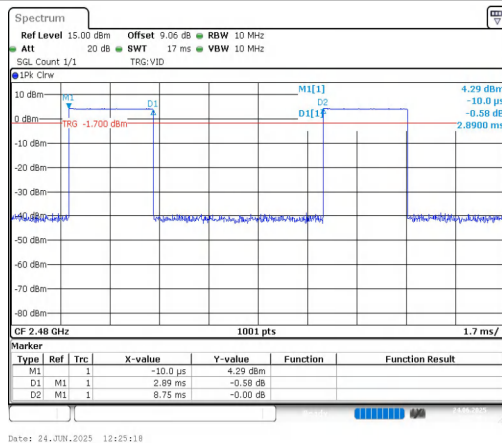
NTNV-2DH5-Ant1-2441

NTNV-2DH5-Ant1-2480



NTNV-3DH5-Ant1-2402

NTNV-3DH5-Ant1-2441



NTNV-3DH5-Ant1-2480

-----END-----