

Appendix: Bluetooth Classic

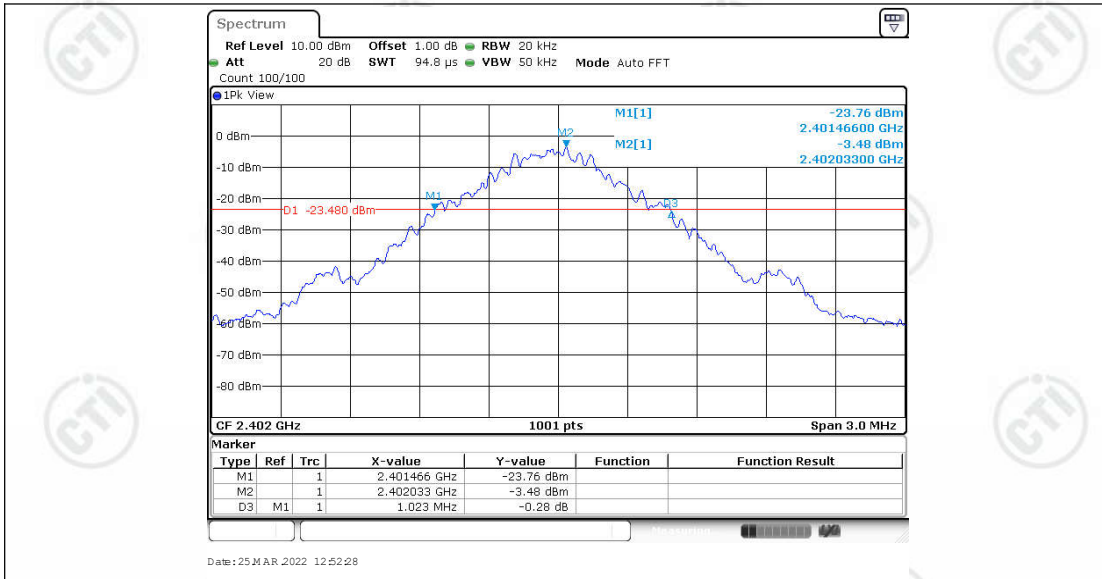
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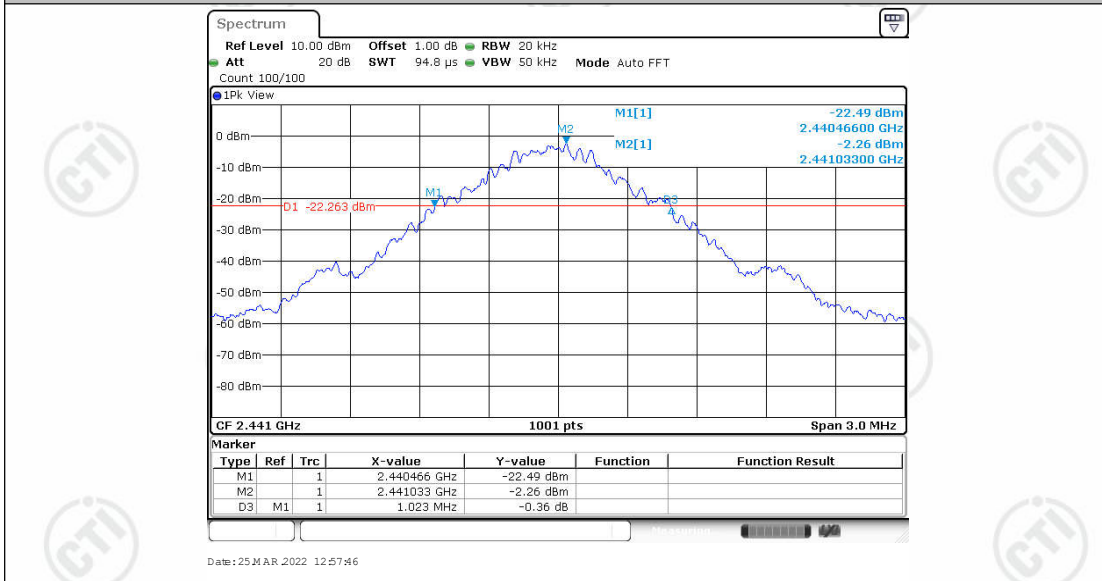
Appendix A: 20dB Emission Bandwidth**Test Result**

| Test Mode | Antenna | Channel | 20db EBW[MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|-----------|---------|---------|---------------|----------|----------|------------|---------|
| DH5 | Ant1 | 2402 | 1.023 | 2401.466 | 2402.489 | --- | PASS |
| | | 2441 | 1.023 | 2440.466 | 2441.489 | --- | PASS |
| | | 2480 | 1.029 | 2479.463 | 2480.492 | --- | PASS |
| 2DH5 | Ant1 | 2402 | 1.320 | 2401.322 | 2402.642 | --- | PASS |
| | | 2441 | 1.320 | 2440.319 | 2441.639 | --- | PASS |
| | | 2480 | 1.323 | 2479.319 | 2480.642 | --- | PASS |

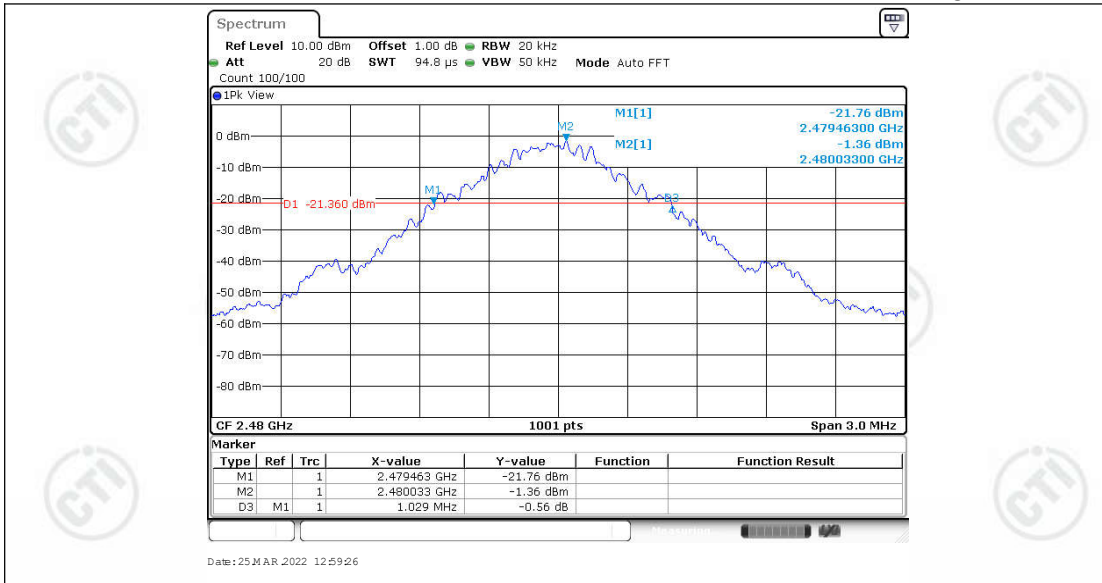
Test Graphs



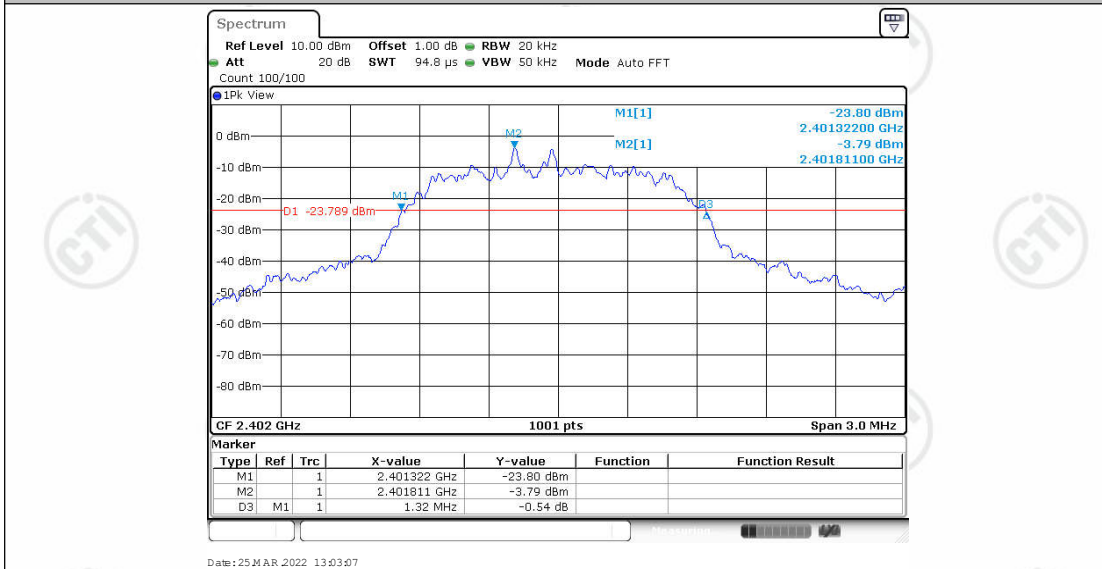
DH5_Ant1_2402



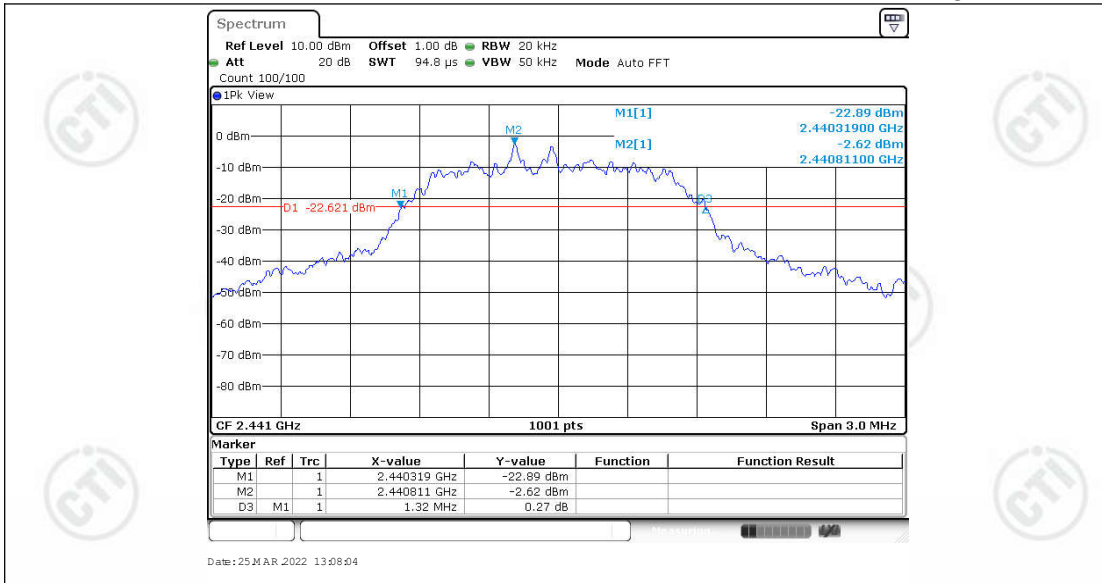
DH5_Ant1_2441



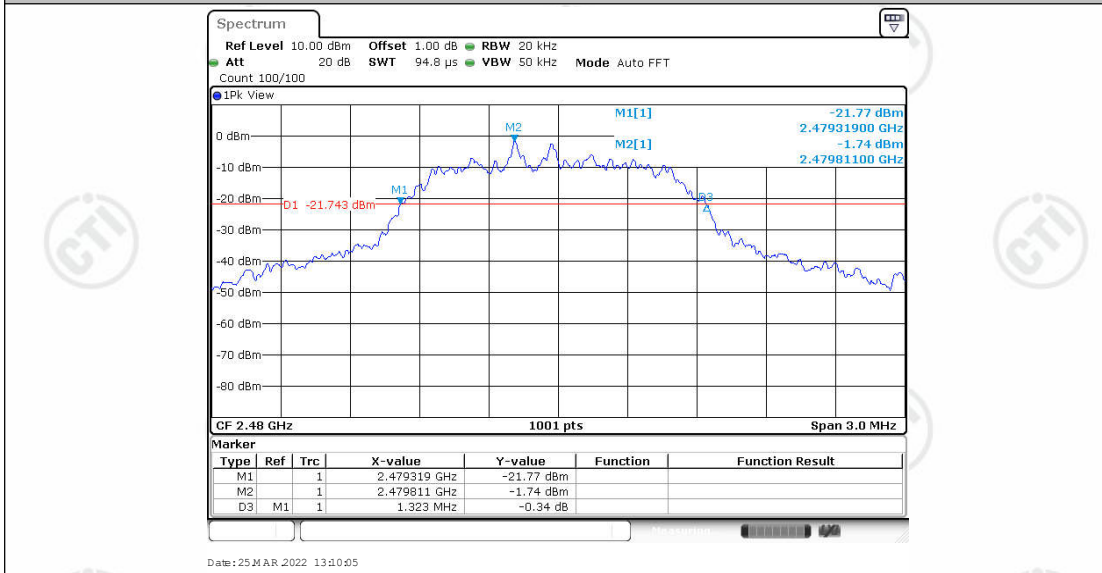
DH5_Ant1_2480



2DH5_Ant1_2402



2DH5_Ant1_2441

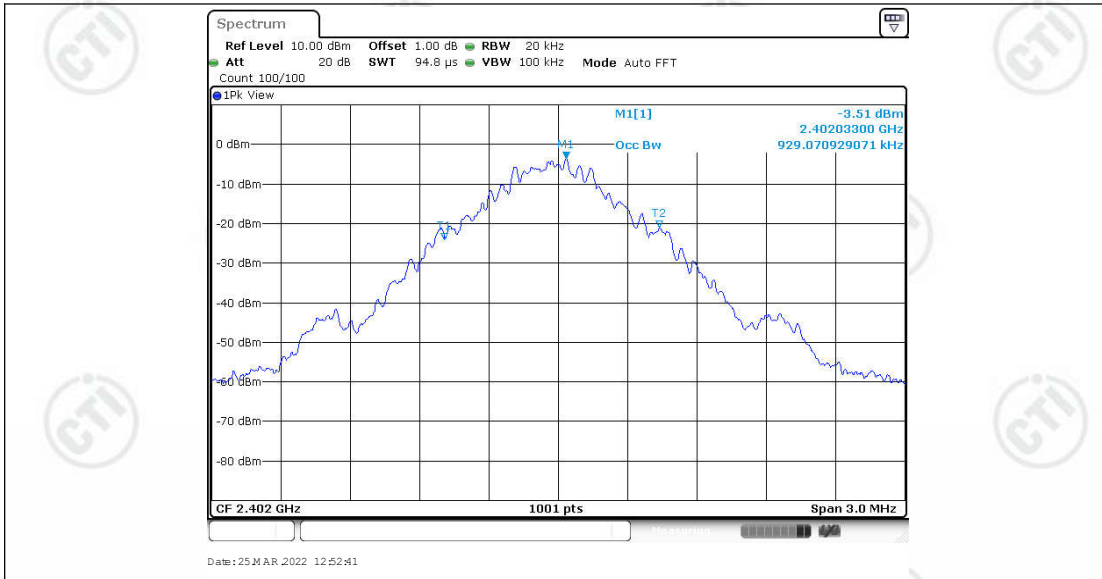


2DH5_Ant1_2480

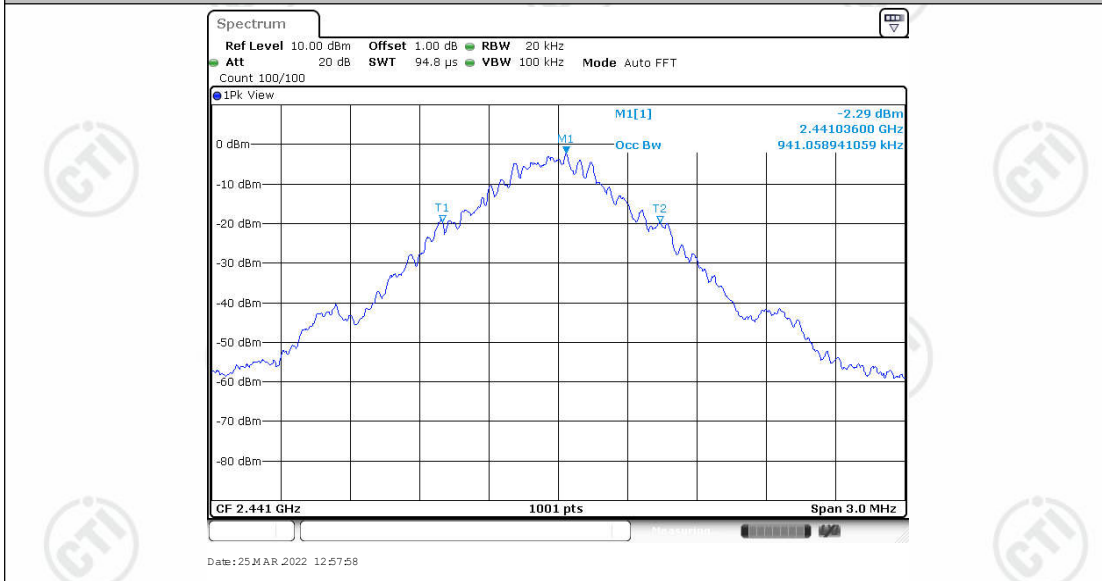
Appendix B: Occupied Channel Bandwidth**Test Result**

| Test Mode | Antenna | Channel | OCB [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|-----------|---------|---------|-----------|----------|----------|------------|---------|
| DH5 | Ant1 | 2402 | 0.929 | 2401.508 | 2402.438 | --- | PASS |
| | | 2441 | 0.941 | 2440.500 | 2441.441 | --- | PASS |
| | | 2480 | 0.947 | 2479.497 | 2480.444 | --- | PASS |
| 2DH5 | Ant1 | 2402 | 1.202 | 2401.380 | 2402.581 | --- | PASS |
| | | 2441 | 1.211 | 2440.377 | 2441.587 | --- | PASS |
| | | 2480 | 1.217 | 2479.374 | 2480.590 | --- | PASS |

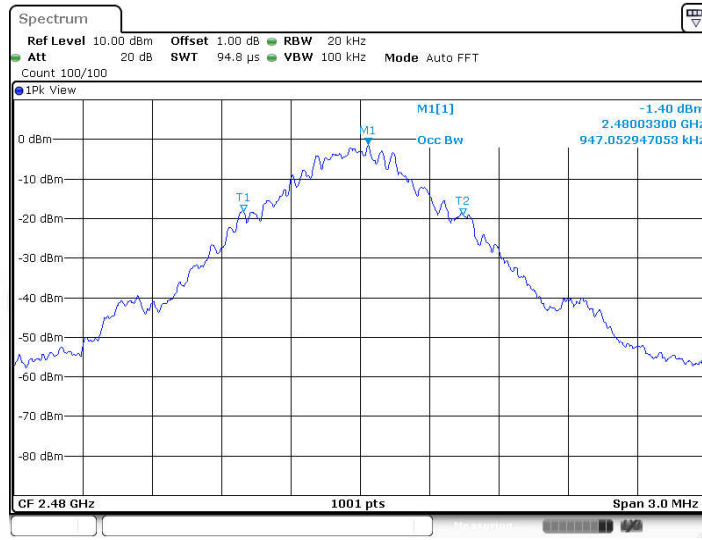
Test Graphs



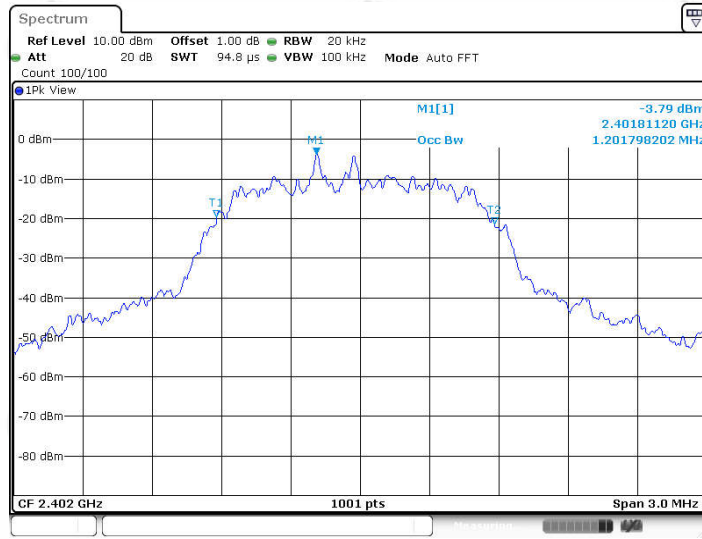
DH5_Ant1_2402



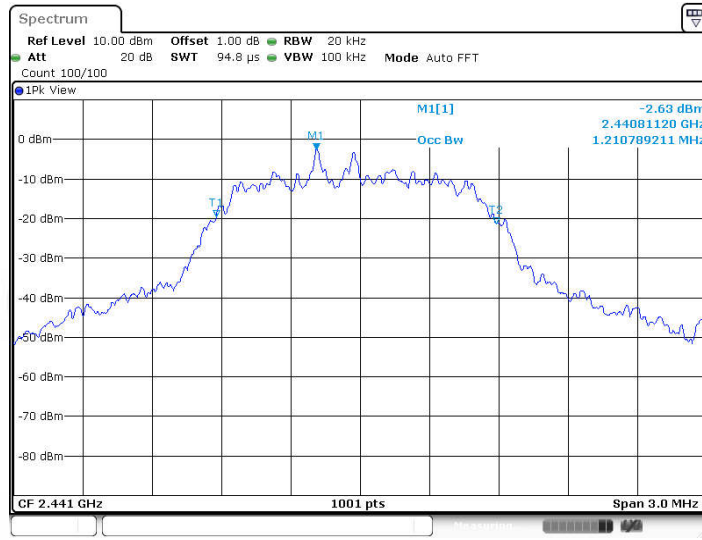
DH5_Ant1_2441



DH5_Ant1_2480

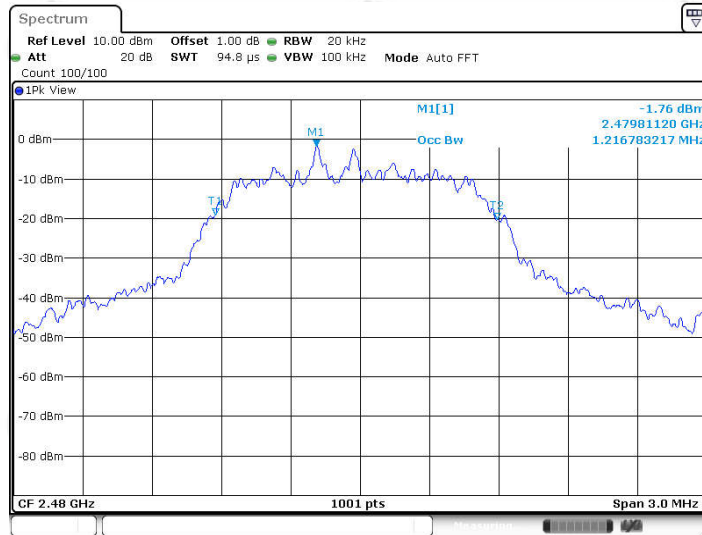


2DH5_Ant1_2402



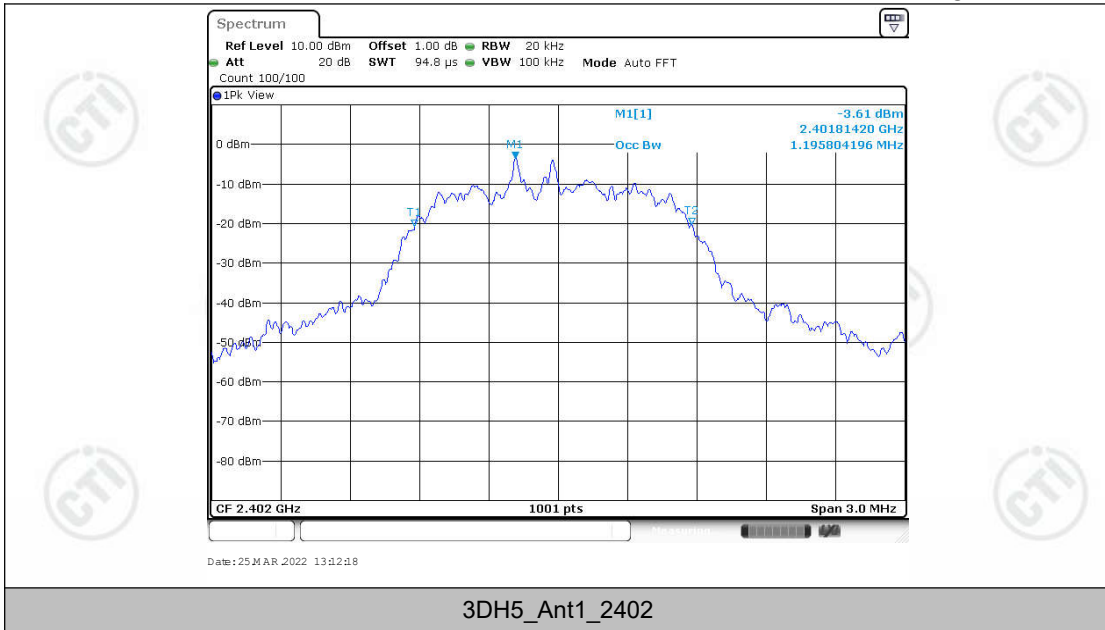
Date: 25 MAR 2022 13:08:17

2DH5_Ant1_2441



Date: 25 MAR 2022 13:10:18

2DH5_Ant1_2480

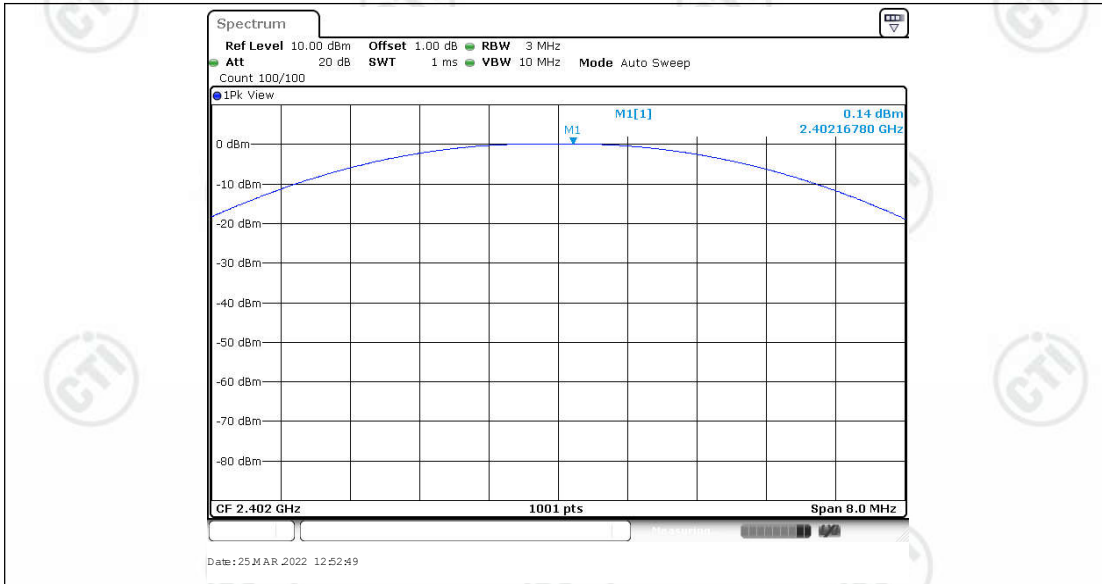


3DH5_Ant1_2402

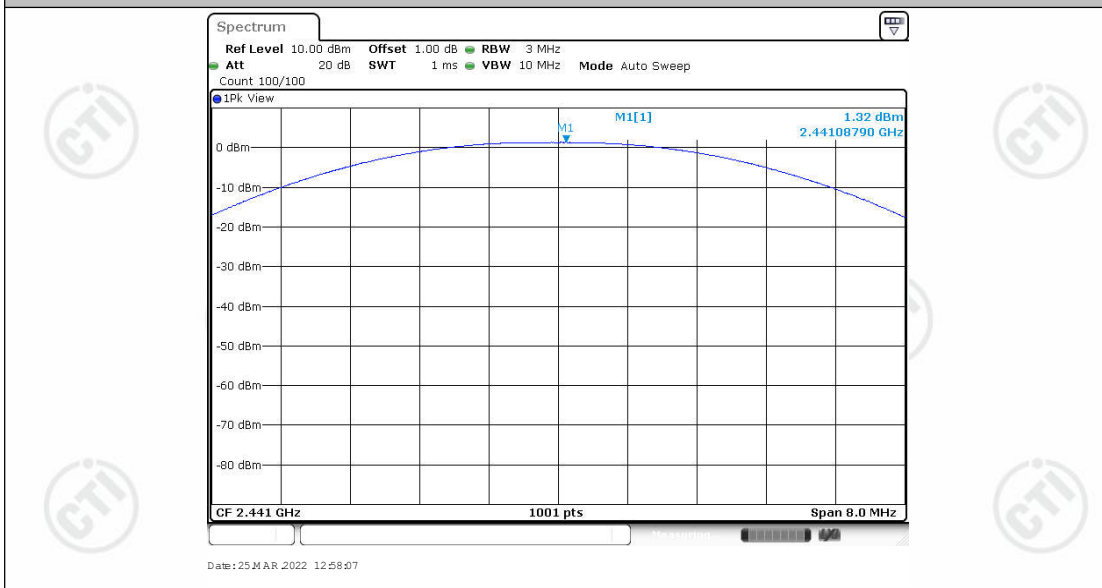
Appendix C: Maximum conducted output power**Test Result**

| Test Mode | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|-------------|------------|---------|
| DH5 | Ant1 | 2402 | 0.14 | <=20.97 | PASS |
| | | 2441 | 1.32 | <=20.97 | PASS |
| | | 2480 | 2.31 | <=20.97 | PASS |
| 2DH5 | Ant1 | 2402 | 1.03 | <=20.97 | PASS |
| | | 2441 | 2.17 | <=20.97 | PASS |
| | | 2480 | 3.12 | <=20.97 | PASS |

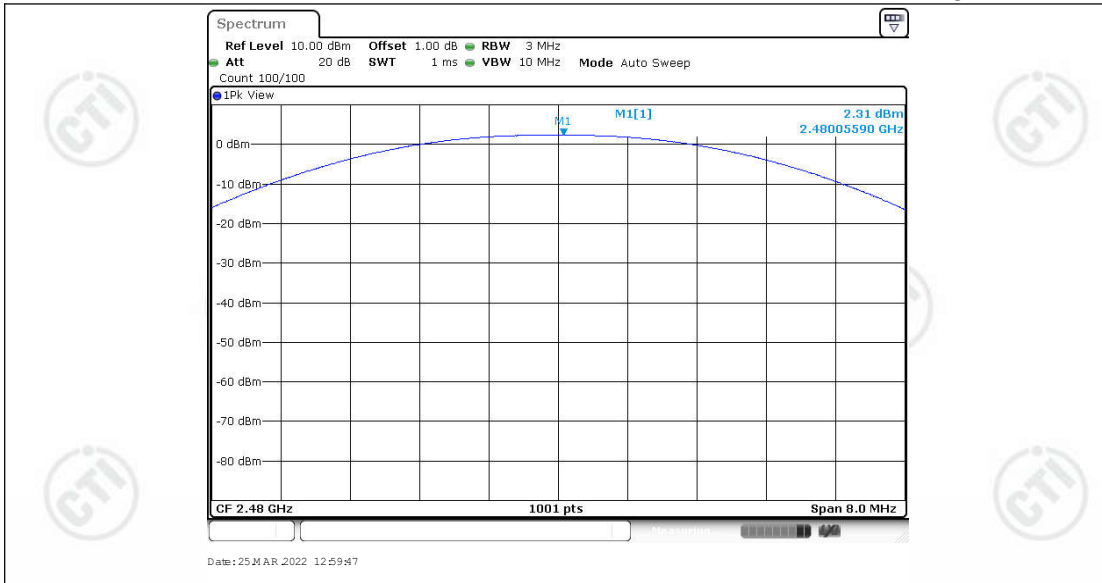
Test Graphs



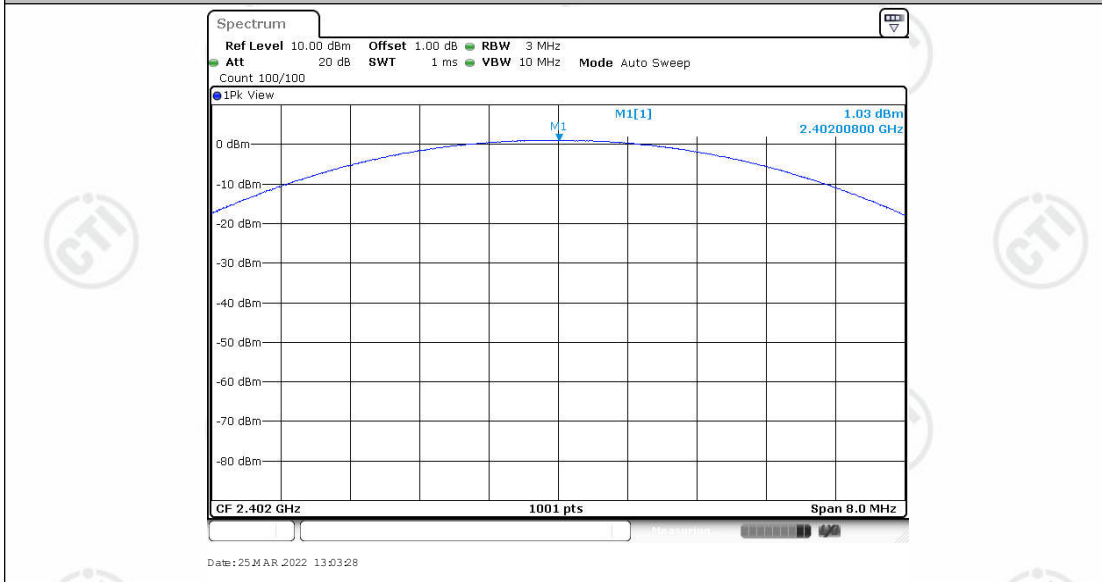
DH5_Ant1_2402



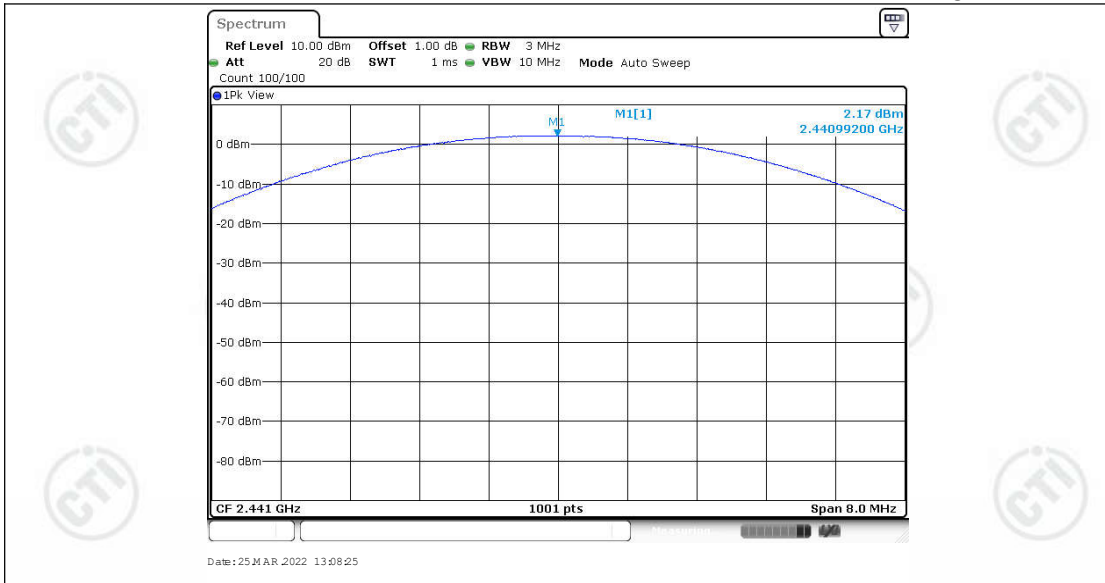
DH5_Ant1_2441



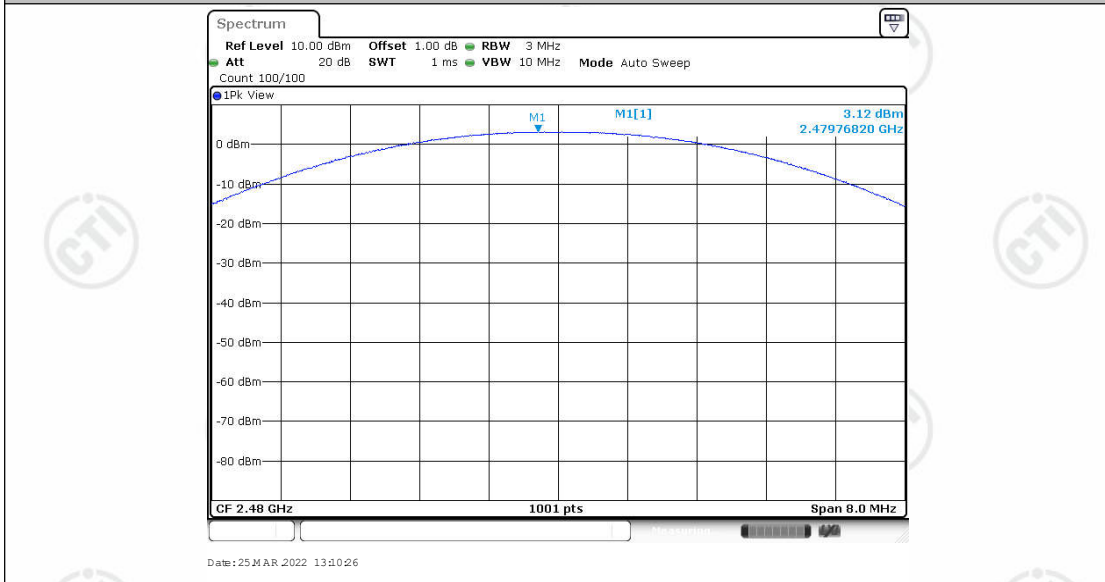
DH5_Ant1_2480



2DH5_Ant1_2402



2DH5_Ant1_2441

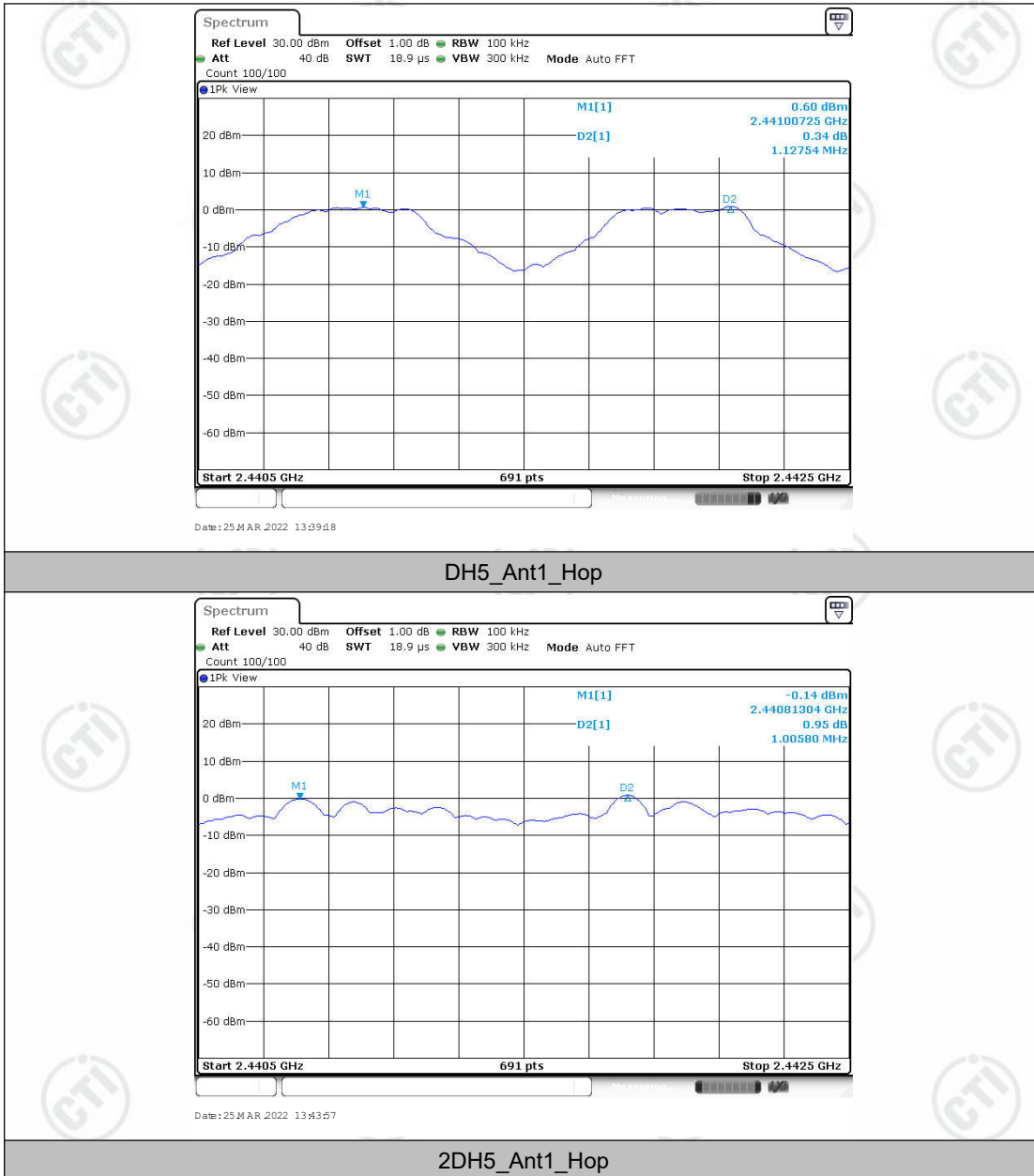


2DH5_Ant1_2480

Appendix D: Carrier frequency separation**Test Result**

| Test Mode | Antenna | Channel | Result[MHz] | Limit[MHz] | Verdict |
|-----------|---------|---------|-------------|--------------|---------|
| DH5 | Ant1 | Hop | 1.128 | ≥ 1.029 | PASS |
| 2DH5 | Ant1 | Hop | 1.006 | ≥ 0.882 | PASS |

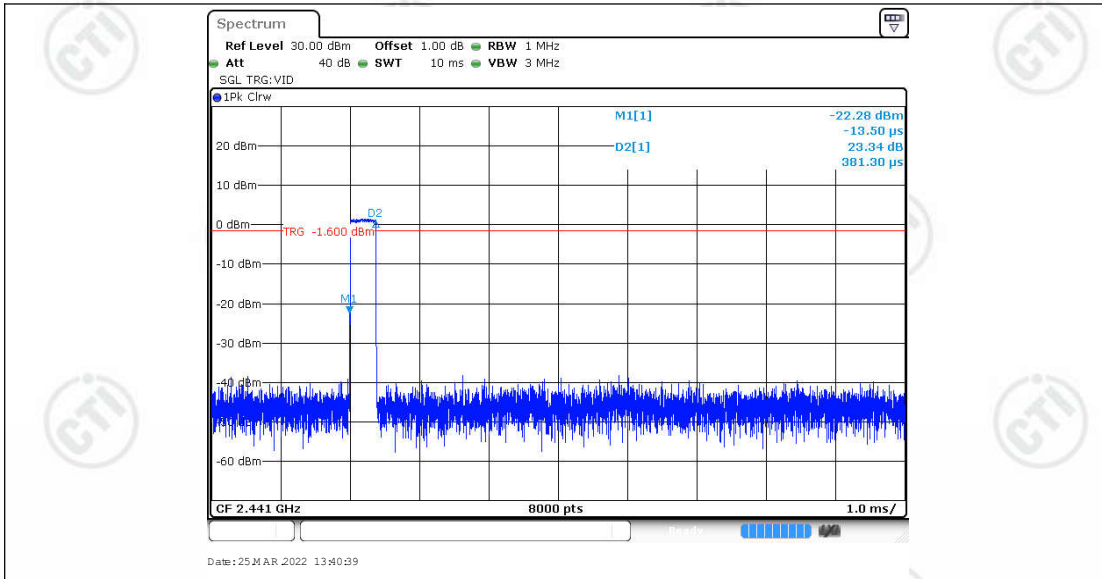
Test Graphs



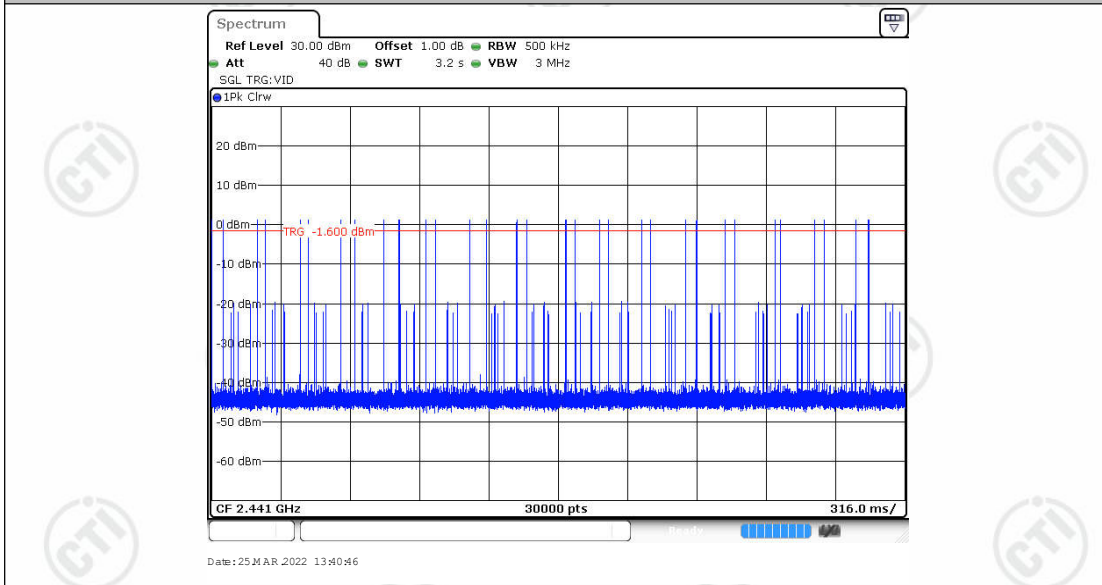
Appendix E: Time of occupancy**Test Result**

| Test Mode | Antenna | Channel | BurstWidth [ms] | TotalHops [Num] | Result[s] | Limit[s] | Verdict |
|-----------|---------|---------|-----------------|-----------------|-----------|----------|---------|
| DH1 | Ant1 | Hop | 0.38 | 320 | 0.122 | <=0.4 | PASS |
| DH3 | Ant1 | Hop | 1.63 | 170 | 0.277 | <=0.4 | PASS |
| DH5 | Ant1 | Hop | 2.85 | 90 | 0.257 | <=0.4 | PASS |
| 2DH1 | Ant1 | Hop | 0.39 | 320 | 0.125 | <=0.4 | PASS |
| 2DH3 | Ant1 | Hop | 1.63 | 150 | 0.245 | <=0.4 | PASS |
| 2DH5 | Ant1 | Hop | 2.88 | 100 | 0.288 | <=0.4 | PASS |

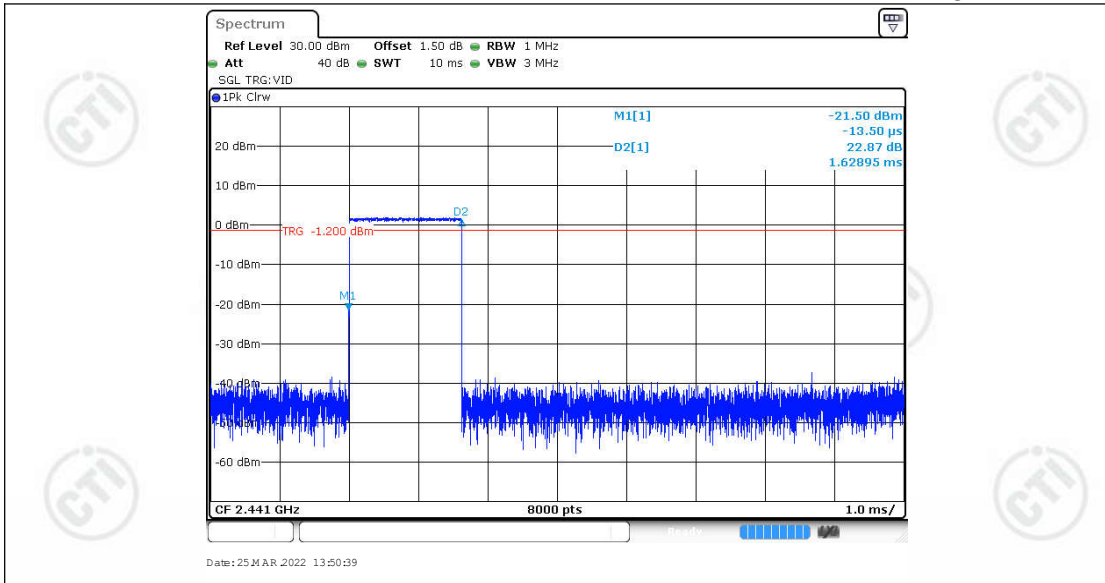
Test Graphs



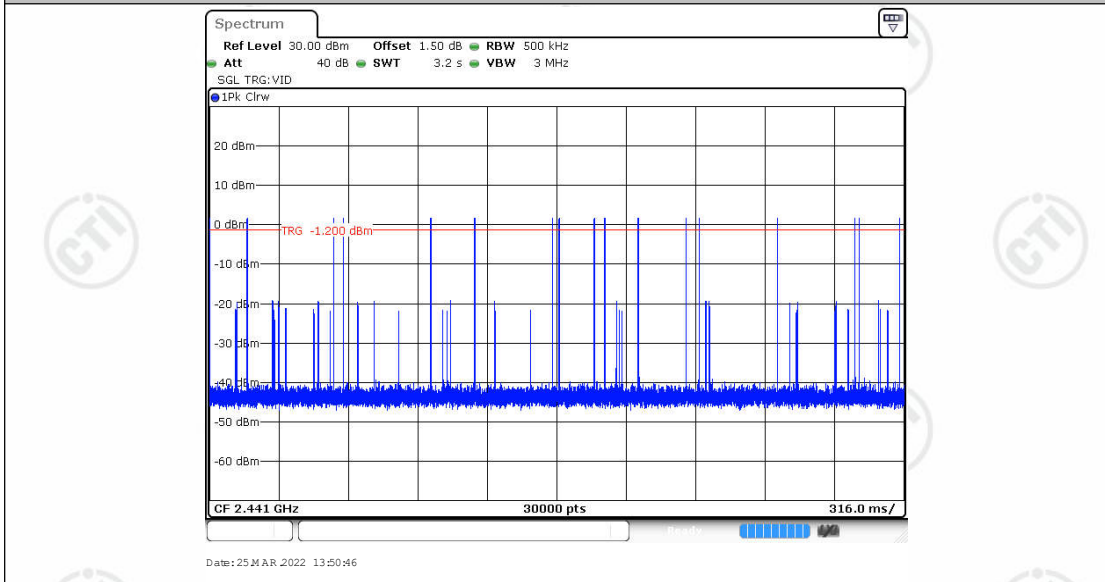
DH1_Ant1_Hop



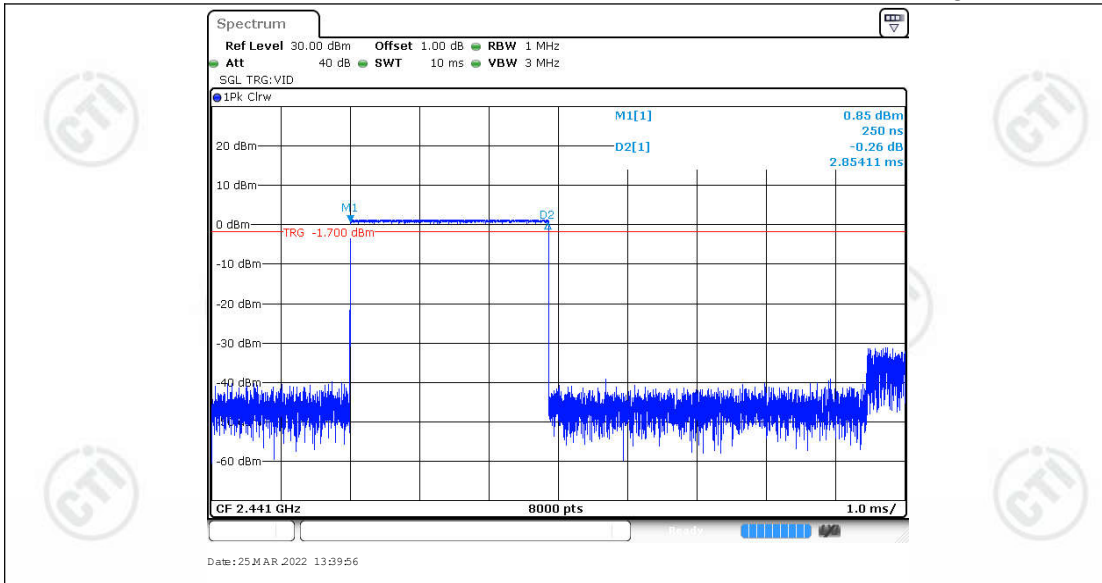
DH1_Ant1_Hop



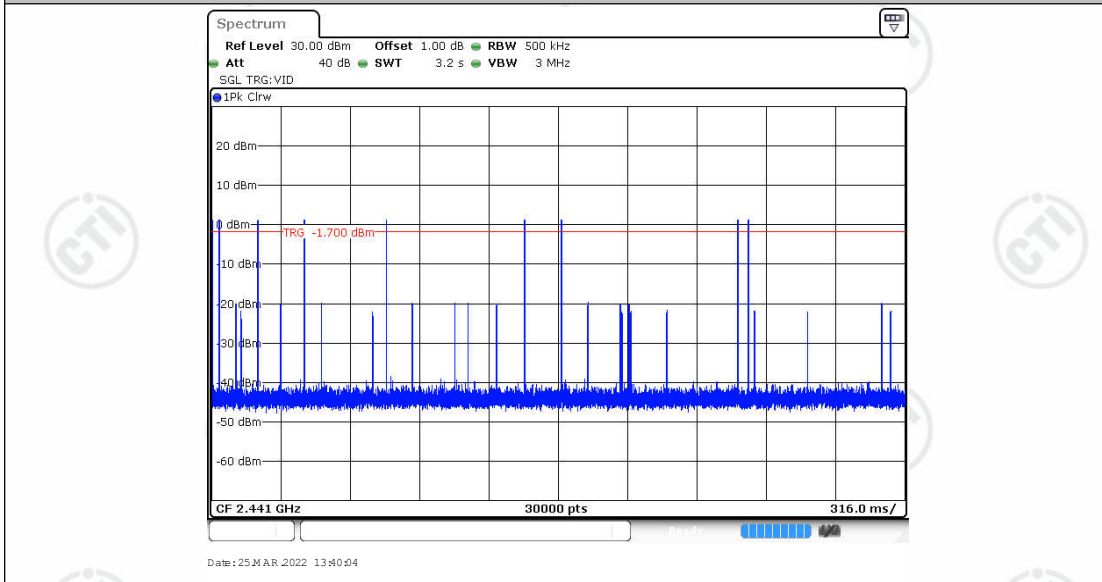
DH3_Ant1_Hop



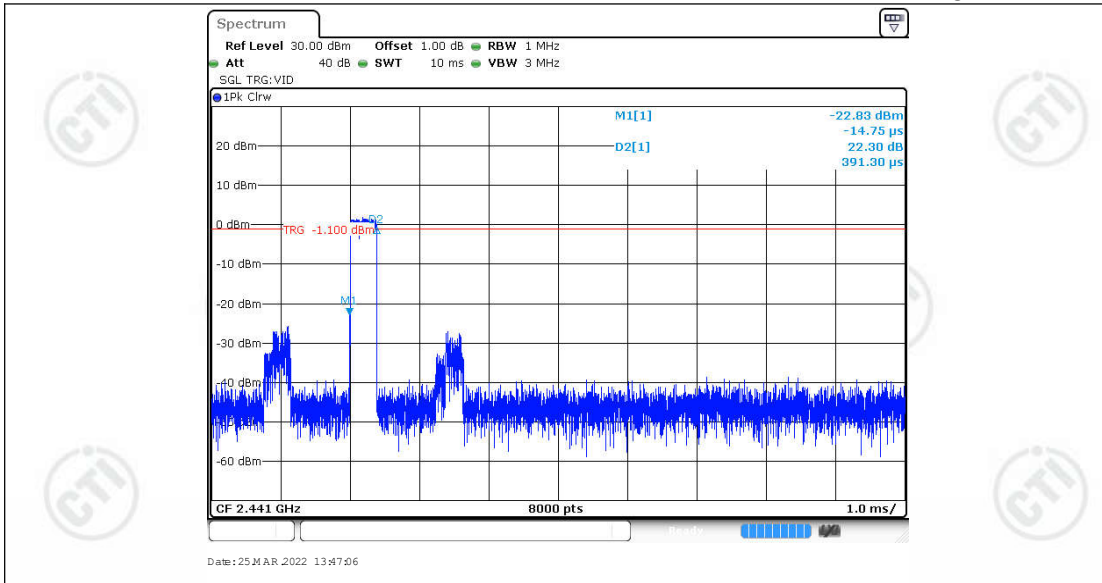
DH3_Ant1_Hop



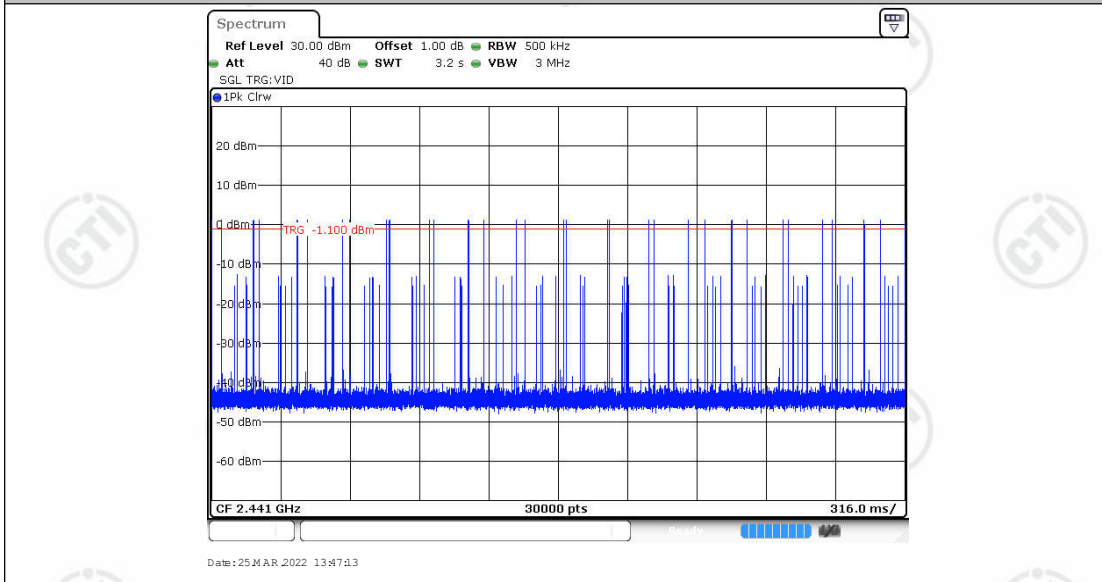
DH5_Ant1_Hop



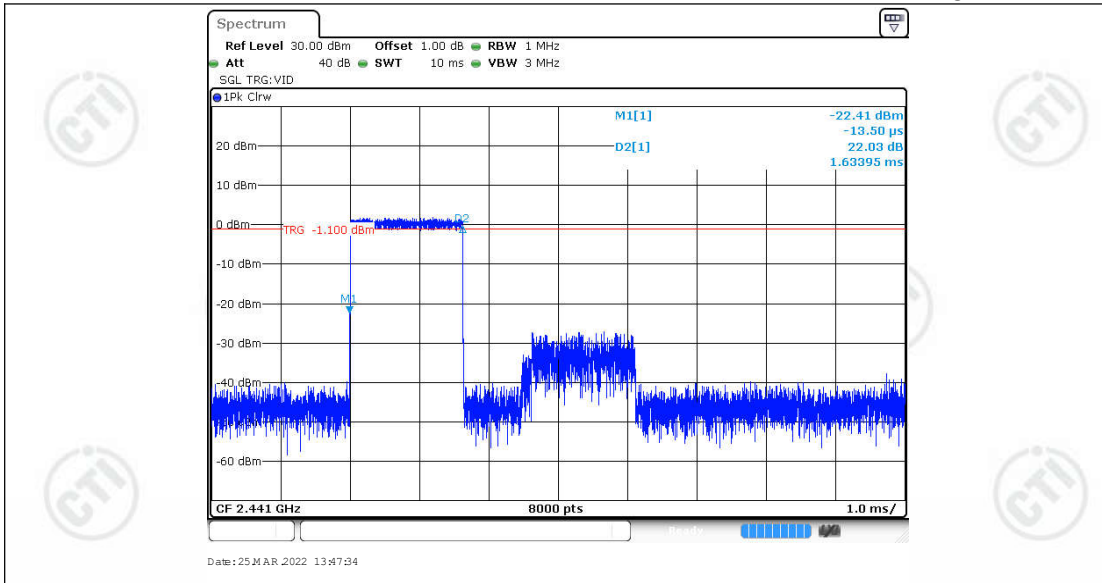
DH5_Ant1_Hop



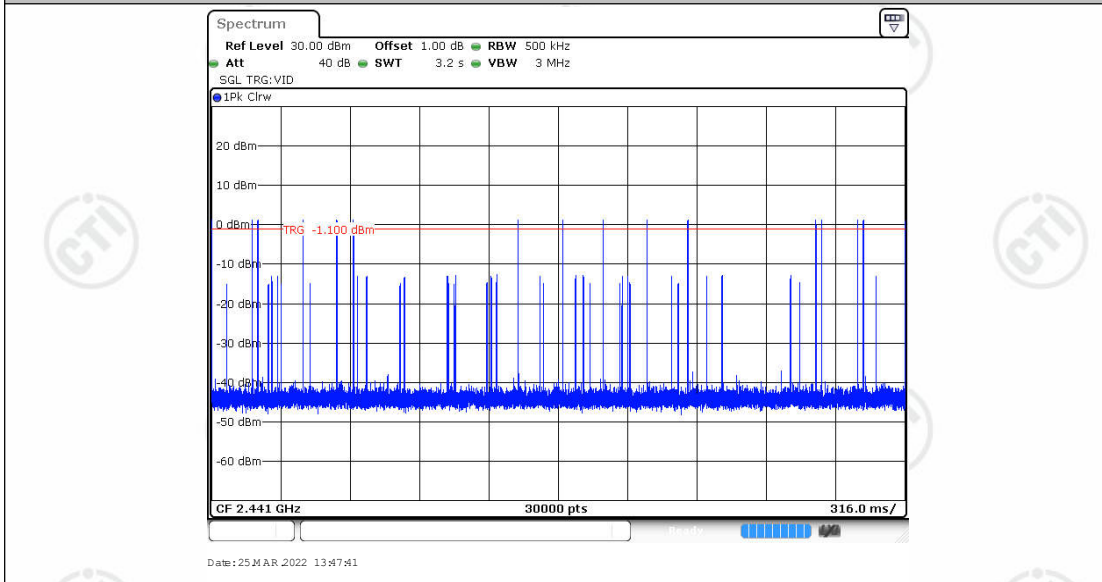
2DH1_Ant1_Hop



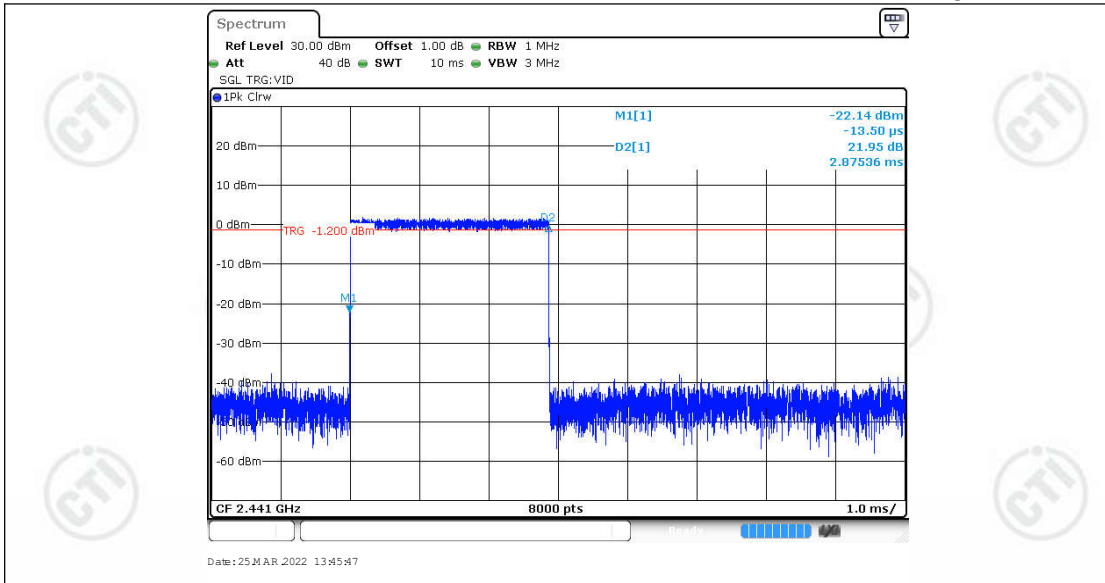
2DH1_Ant1_Hop



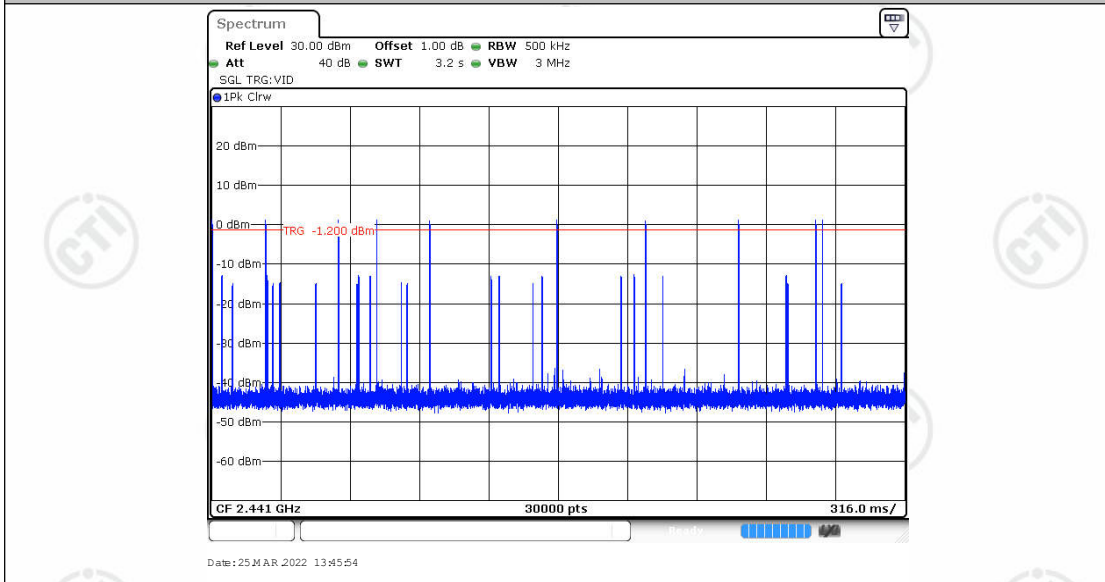
2DH3_Ant1_Hop



2DH3_Ant1_Hop



2DH5_Ant1_Hop

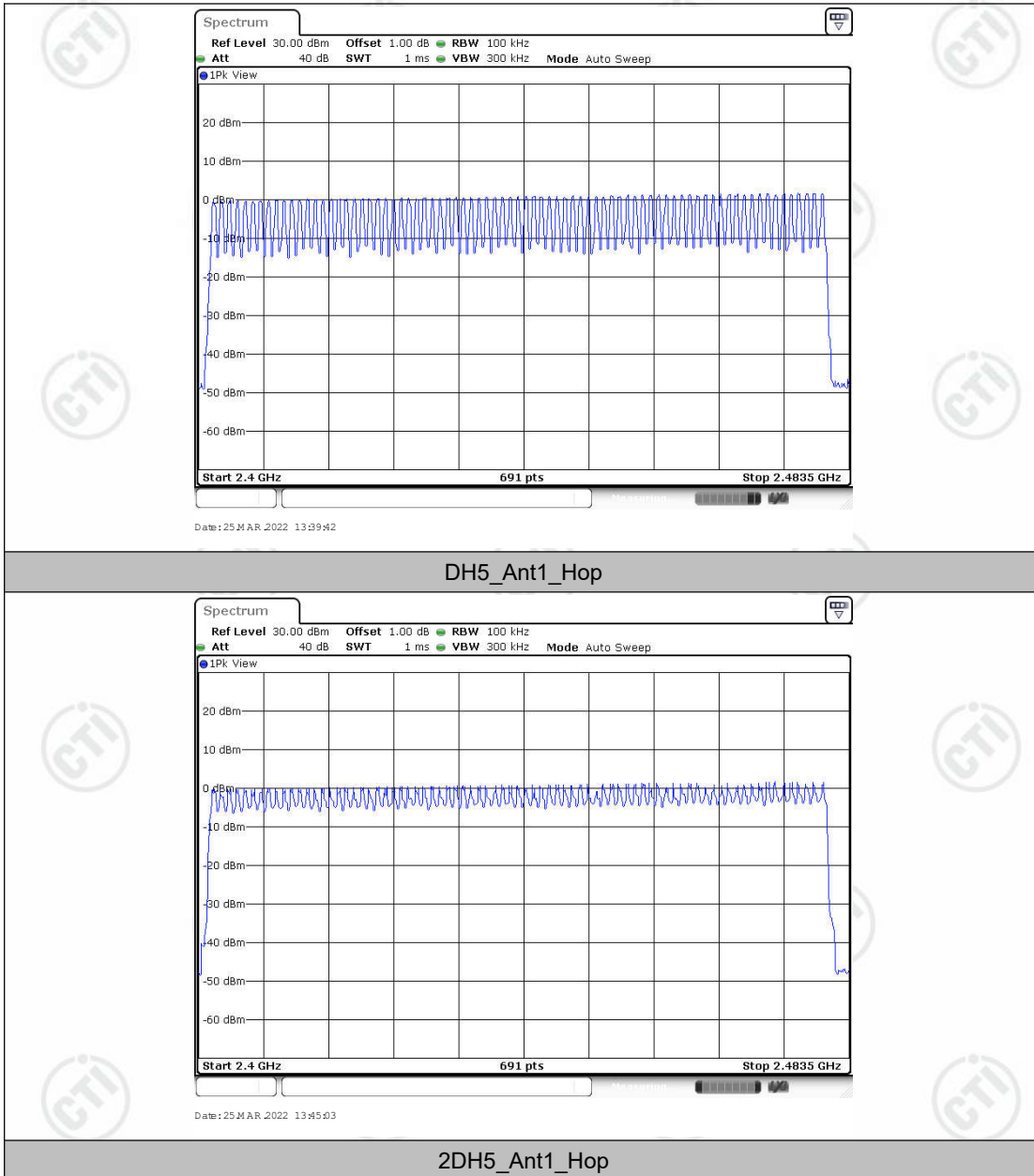


2DH5_Ant1_Hop

Appendix F: Number of hopping channels**Test Result**

| Test Mode | Antenna | Channel | Result[Num] | Limit[Num] | Verdict |
|-----------|---------|---------|-------------|------------|---------|
| DH5 | Ant1 | Hop | 79 | ≥ 15 | PASS |
| 2DH5 | Ant1 | Hop | 79 | ≥ 15 | PASS |

Test Graphs

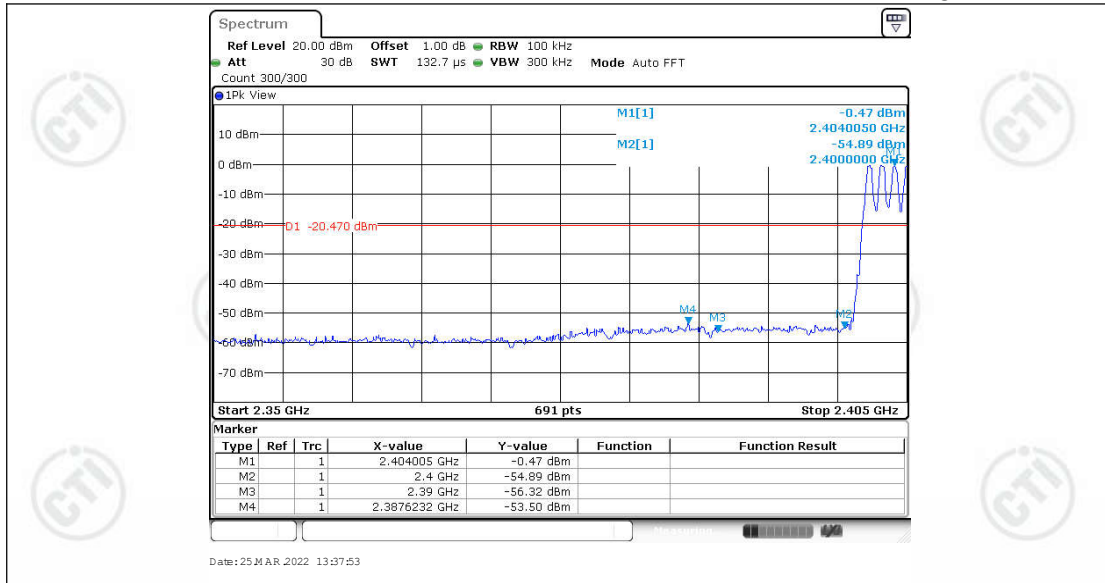


Appendix G: Band edge measurements**Test Result**

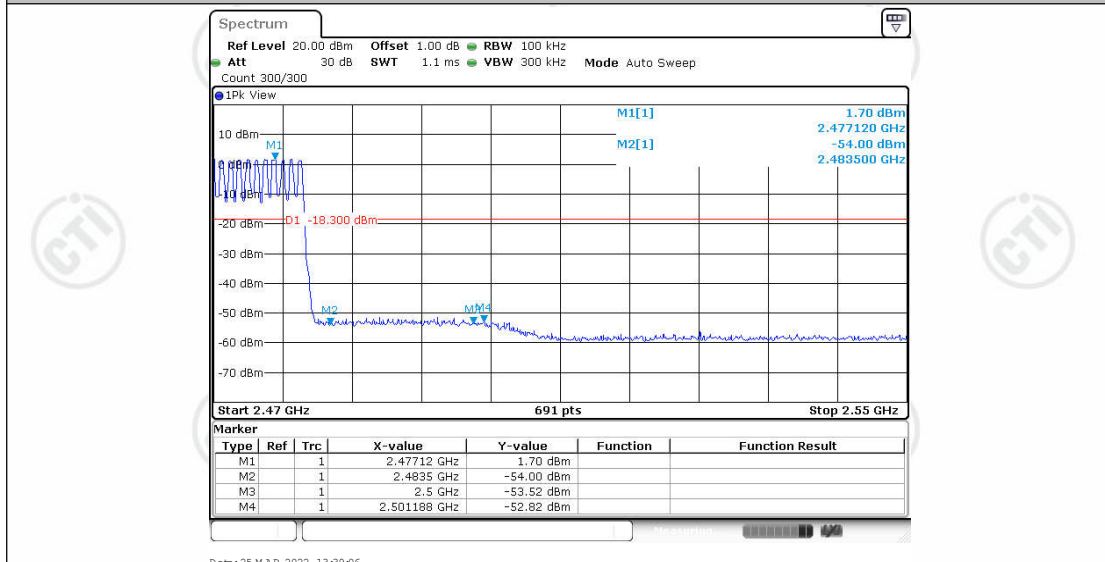
| Test Mode | Antenna | ChName | Channel | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|--------|----------|----------------|--------------|-------------|---------|
| DH5 | Ant1 | Low | 2402 | -0.24 | -53.48 | <=-20.24 | PASS |
| | | High | 2480 | 1.86 | -52.54 | <=-18.14 | PASS |
| | | Low | Hop_2402 | -0.47 | -53.5 | <=-20.47 | PASS |
| | | High | Hop_2480 | 1.70 | -52.82 | <=-18.3 | PASS |
| 2DH5 | Ant1 | Low | 2402 | -0.30 | -56.23 | <=-20.3 | PASS |
| | | High | 2480 | 1.77 | -51.91 | <=-18.23 | PASS |
| | | Low | Hop_2402 | -1.70 | -54.17 | <=-21.7 | PASS |
| | | High | Hop_2480 | 1.78 | -51.66 | <=-18.22 | PASS |

Test Graphs

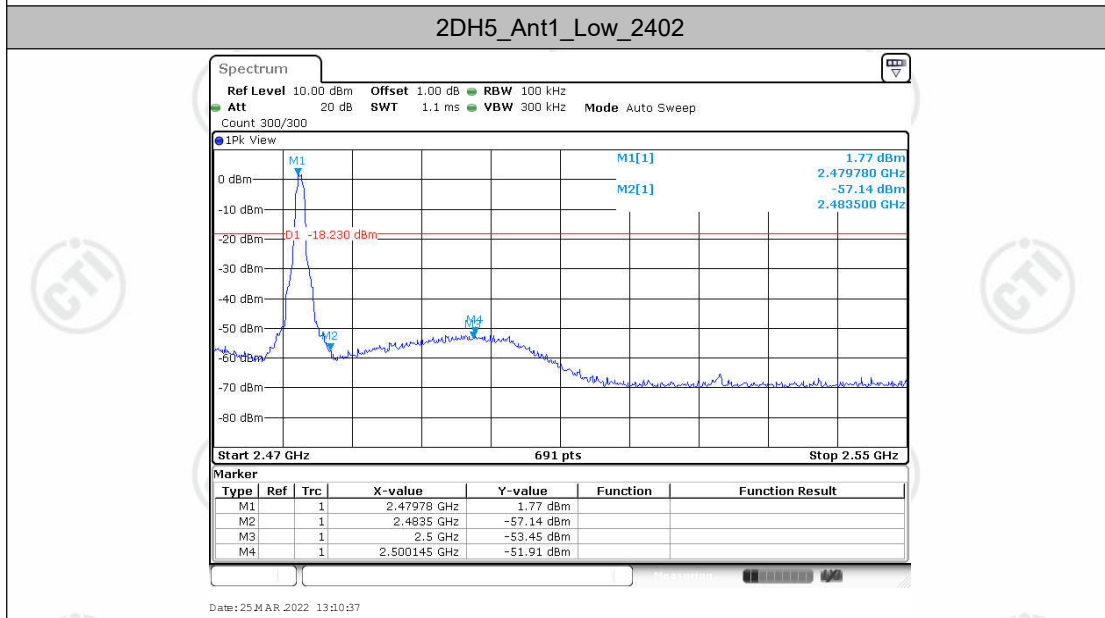
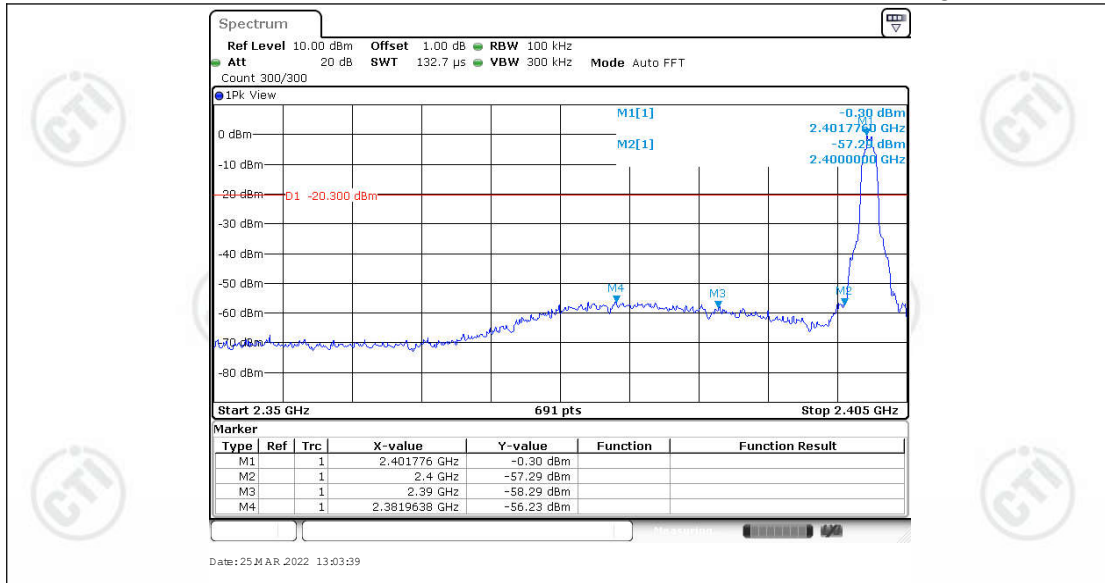


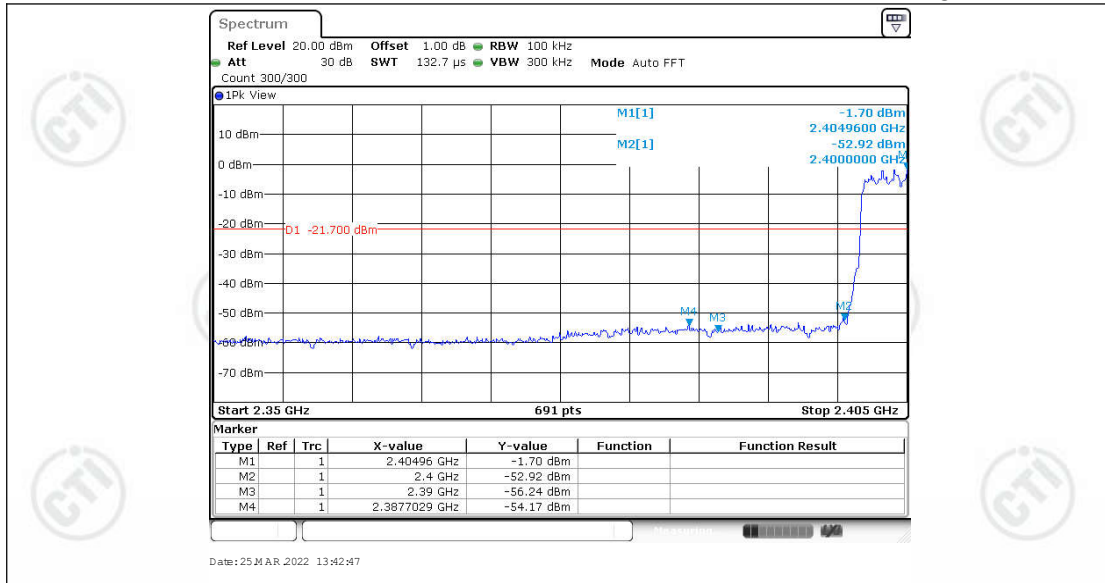


DH5_Ant1_Low_Hop_2402

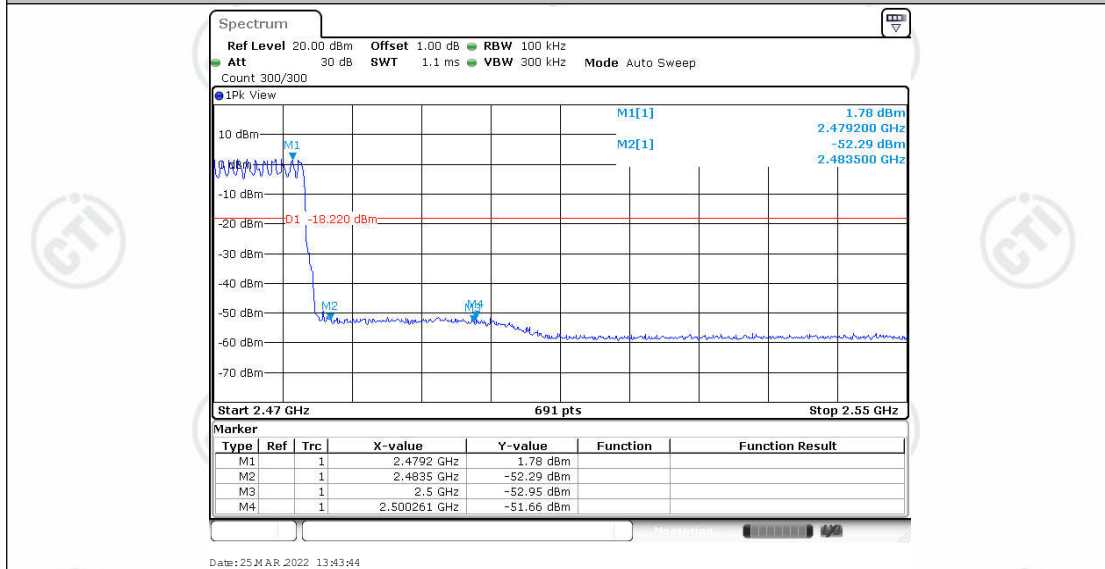


DH5_Ant1_High_Hop_2480





2DH5_Ant1_Low_Hop_2402



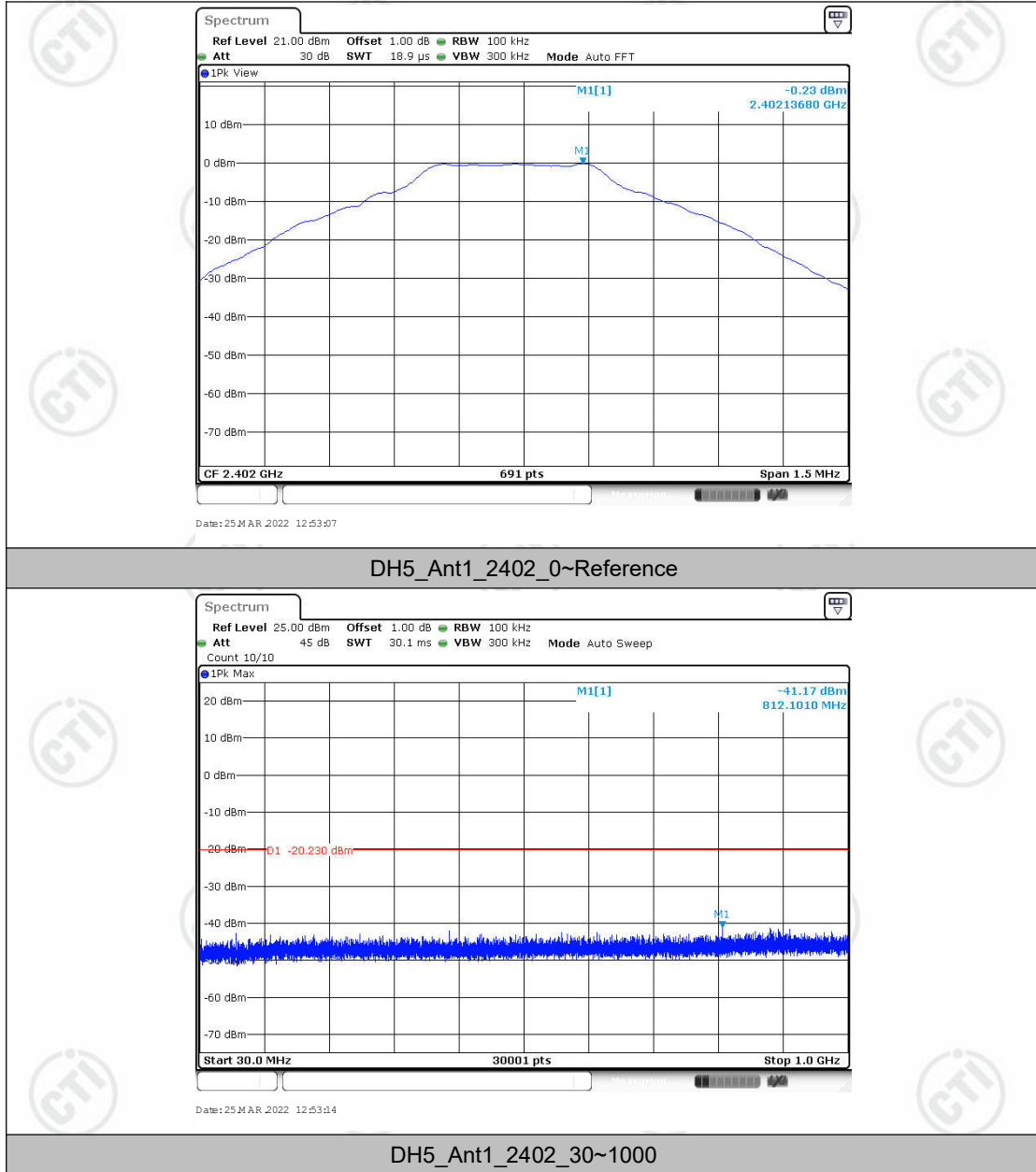
2DH5_Ant1_High_Hop_2480

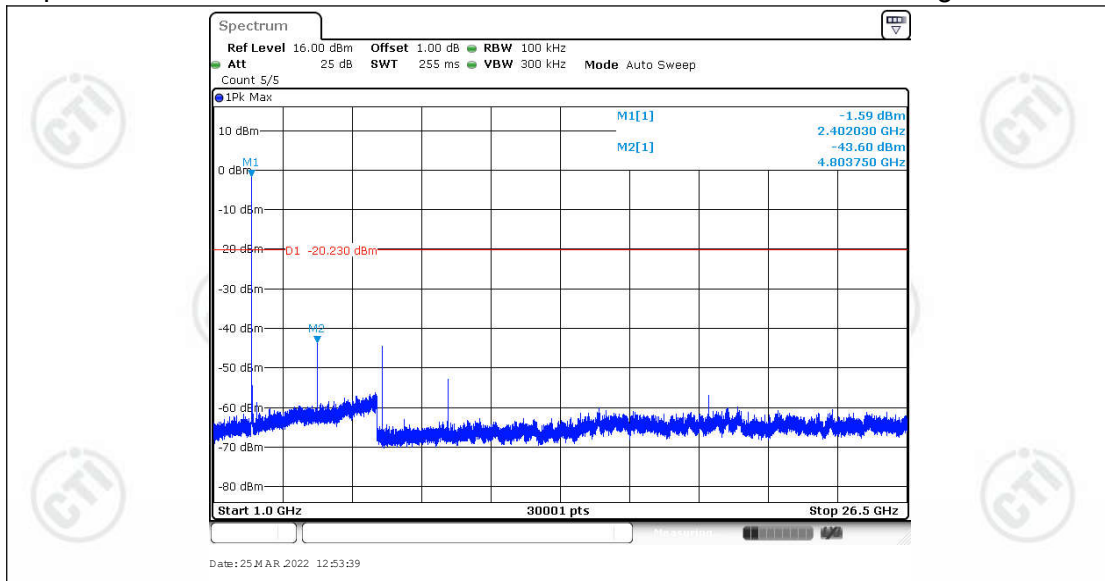
Appendix H: Conducted Spurious Emission

Test Result

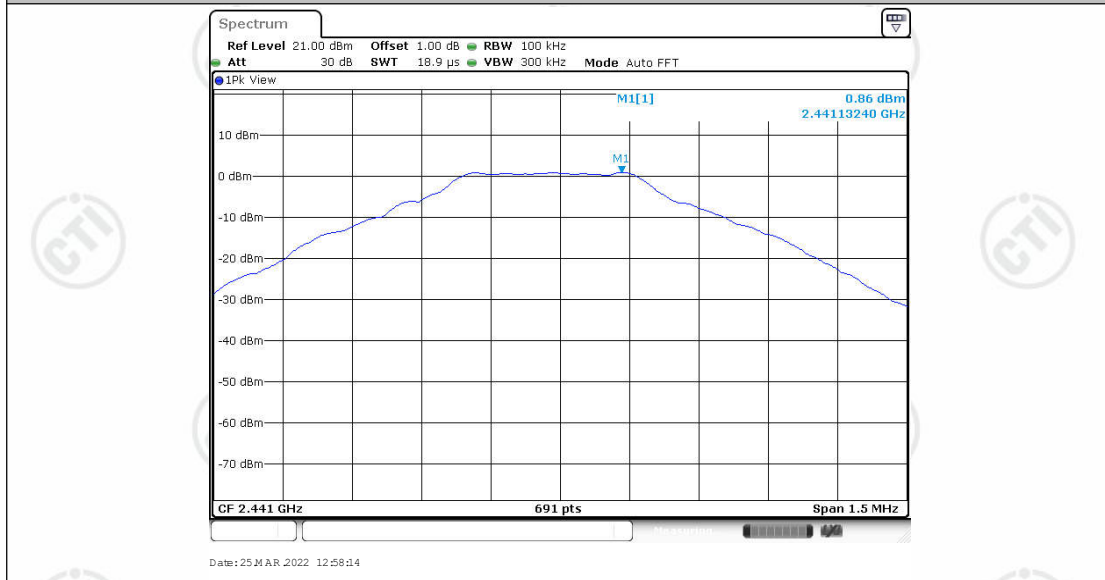
| Test Mode | Antenna | Channel | FreqRange [MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|---------|-----------------|----------------|--------------|-------------|---------|
| DH5 | Ant1 | 2402 | Reference | -0.23 | -0.23 | --- | PASS |
| | | | 30~1000 | -0.23 | -41.17 | <=-20.23 | PASS |
| | | | 1000~26500 | -0.23 | -43.6 | <=-20.23 | PASS |
| | | 2441 | Reference | 0.86 | 0.86 | --- | PASS |
| | | | 30~1000 | 0.86 | -36.62 | <=-19.14 | PASS |
| | | | 1000~26500 | 0.86 | -44.77 | <=-19.14 | PASS |
| | | 2480 | Reference | 1.85 | 1.85 | --- | PASS |
| | | | 30~1000 | 1.85 | -35.03 | <=-18.15 | PASS |
| | | | 1000~26500 | 1.85 | -43.73 | <=-18.15 | PASS |
| 2DH5 | Ant1 | 2402 | Reference | -0.22 | -0.22 | --- | PASS |
| | | | 30~1000 | -0.22 | -41.58 | <=-20.22 | PASS |
| | | | 1000~26500 | -0.22 | -47.31 | <=-20.22 | PASS |
| | | 2441 | Reference | 0.88 | 0.88 | --- | PASS |
| | | | 30~1000 | 0.88 | -41.63 | <=-19.12 | PASS |
| | | | 1000~26500 | 0.88 | -46.62 | <=-19.12 | PASS |
| | | 2480 | Reference | 1.86 | 1.86 | --- | PASS |
| | | | 30~1000 | 1.86 | -41.27 | <=-18.14 | PASS |
| | | | 1000~26500 | 1.86 | -46.76 | <=-18.14 | PASS |

Test Graphs

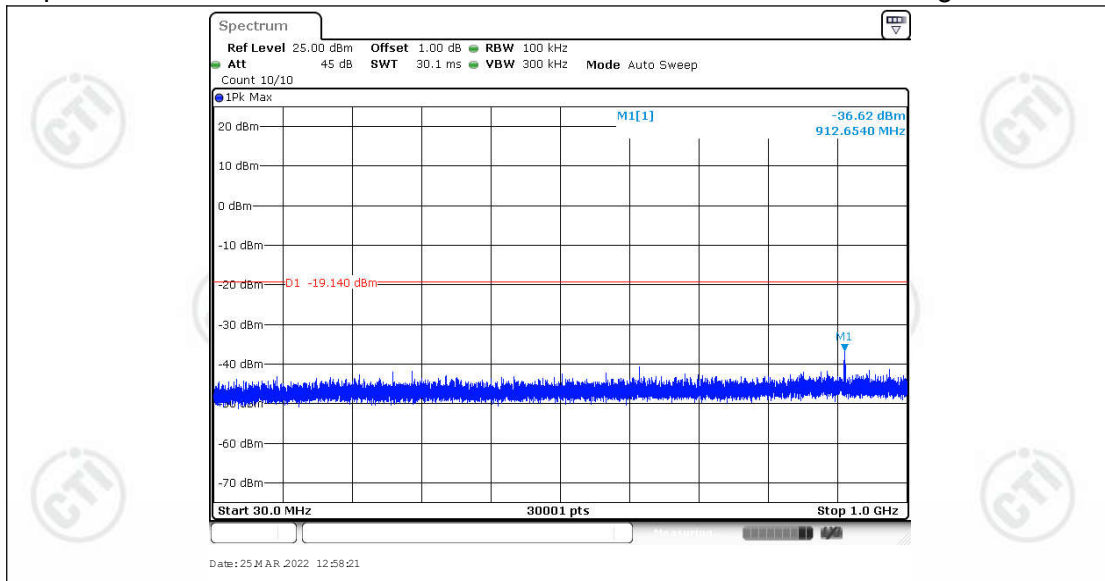




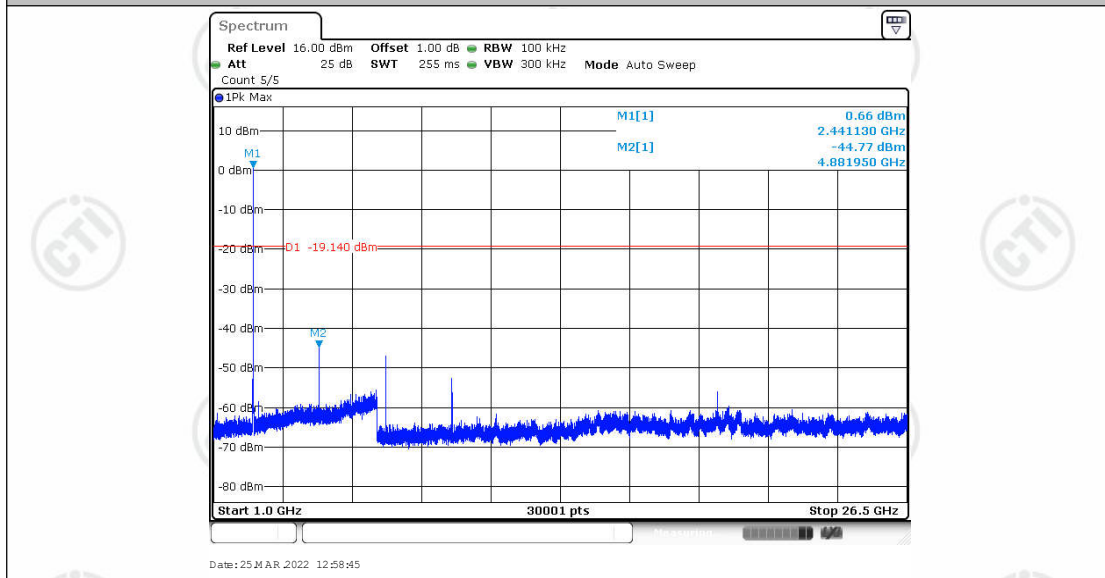
DH5_Ant1_2402_1000~26500



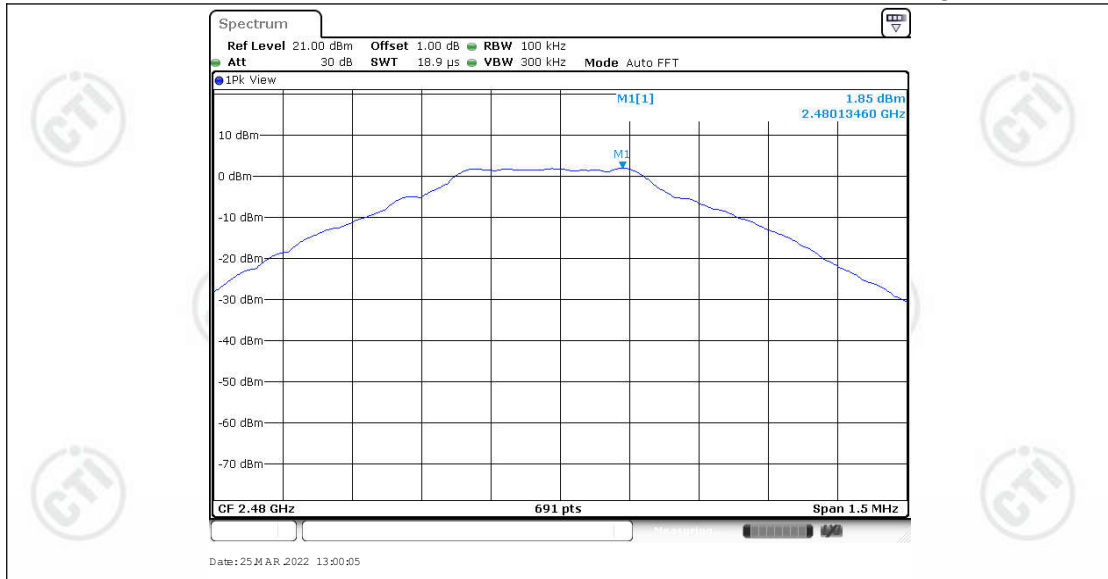
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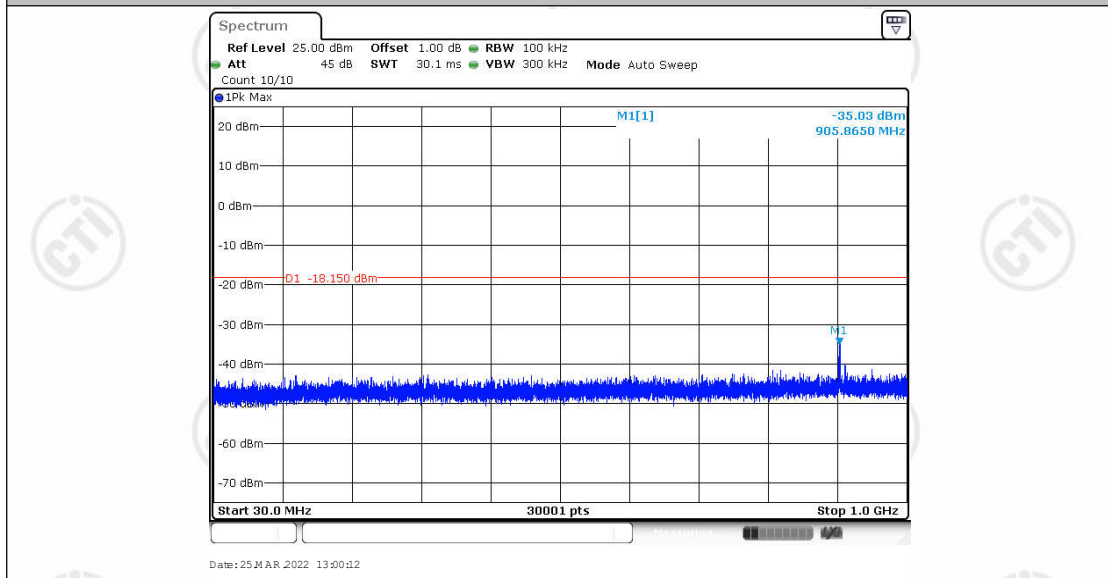
DH5_Ant1_2441_30~1000



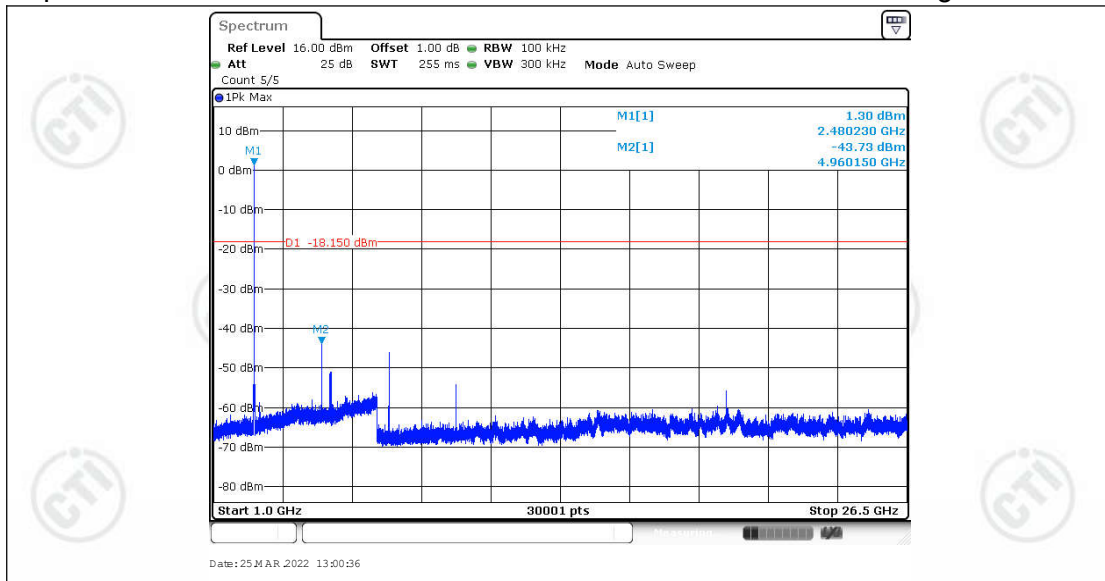
DH5_Ant1_2441_1000~26500



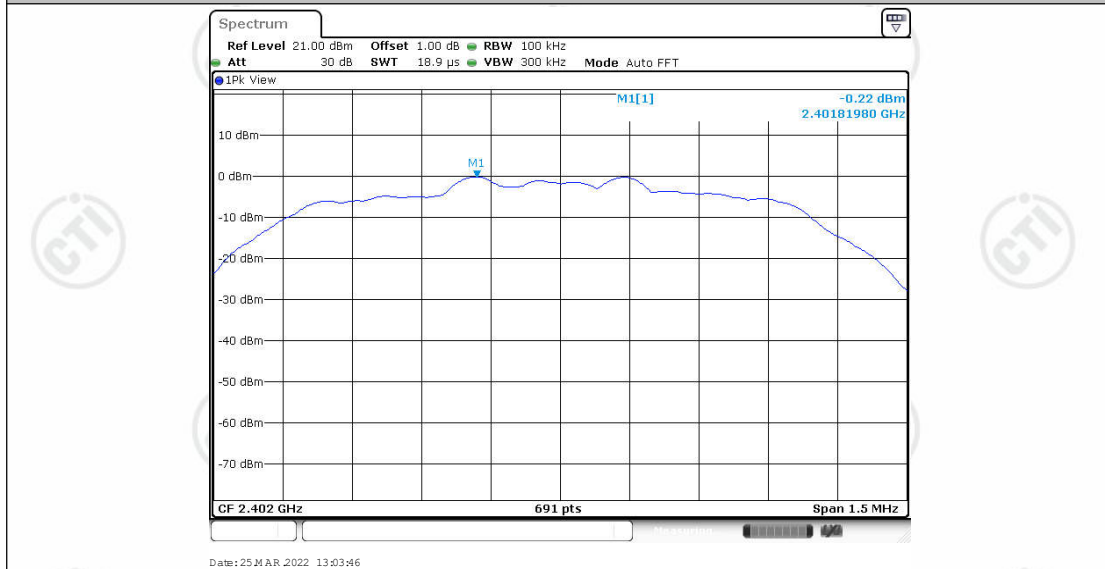
DH5_Ant1_2480_0~Reference



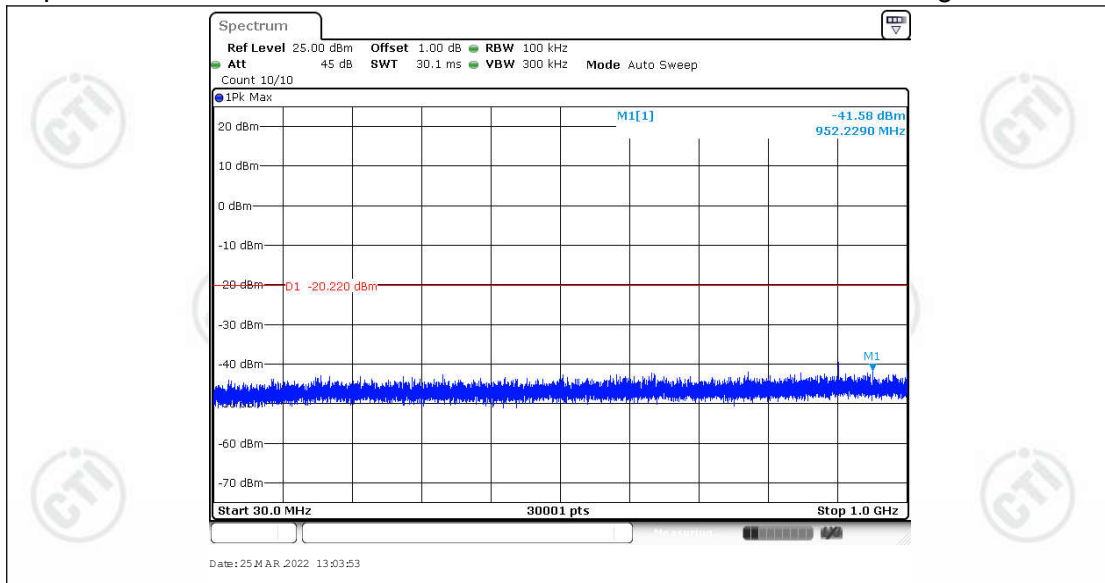
DH5_Ant1_2480_30~1000



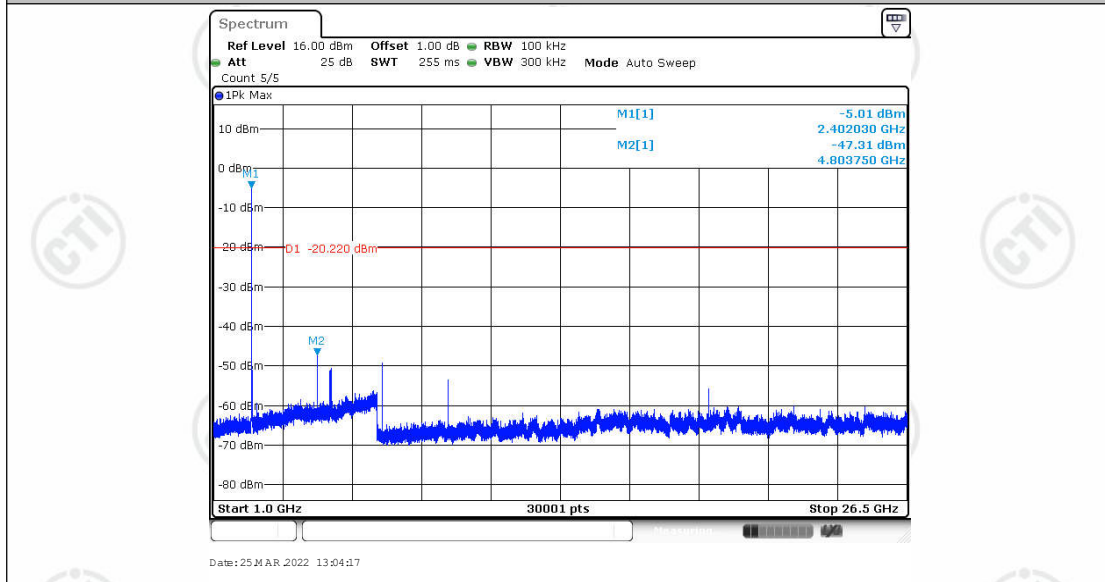
DH5_Ant1_2480_1000~26500



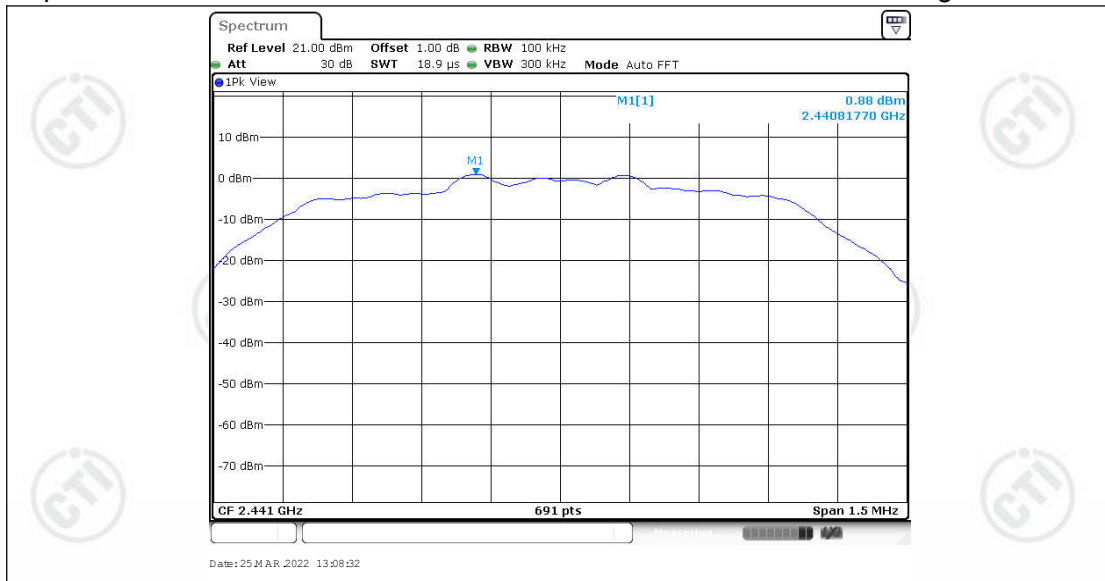
2DH5_Ant1_2402_0~Reference



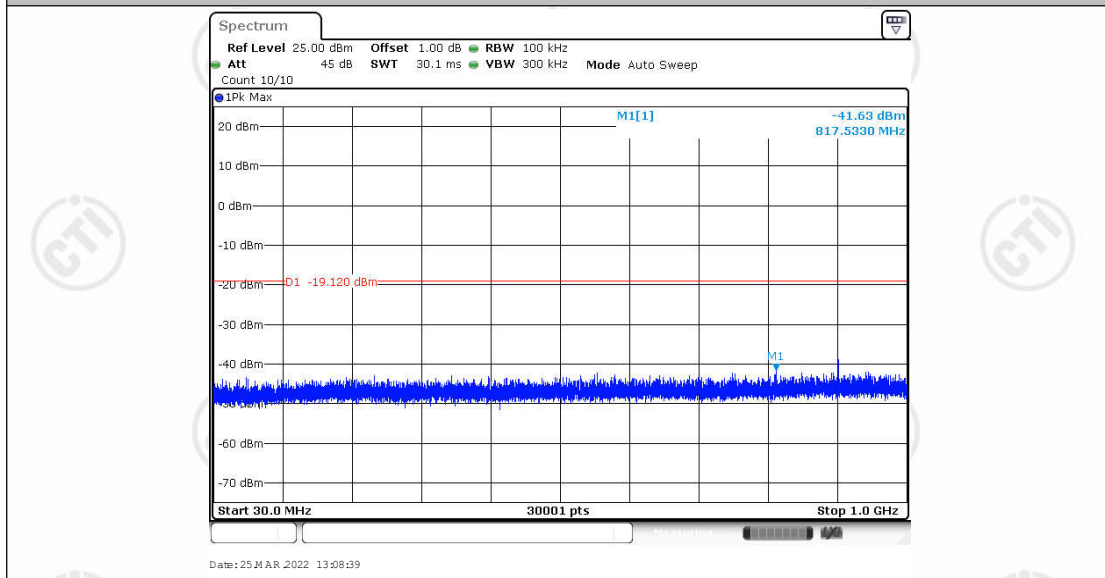
2DH5_Ant1_2402_30~1000



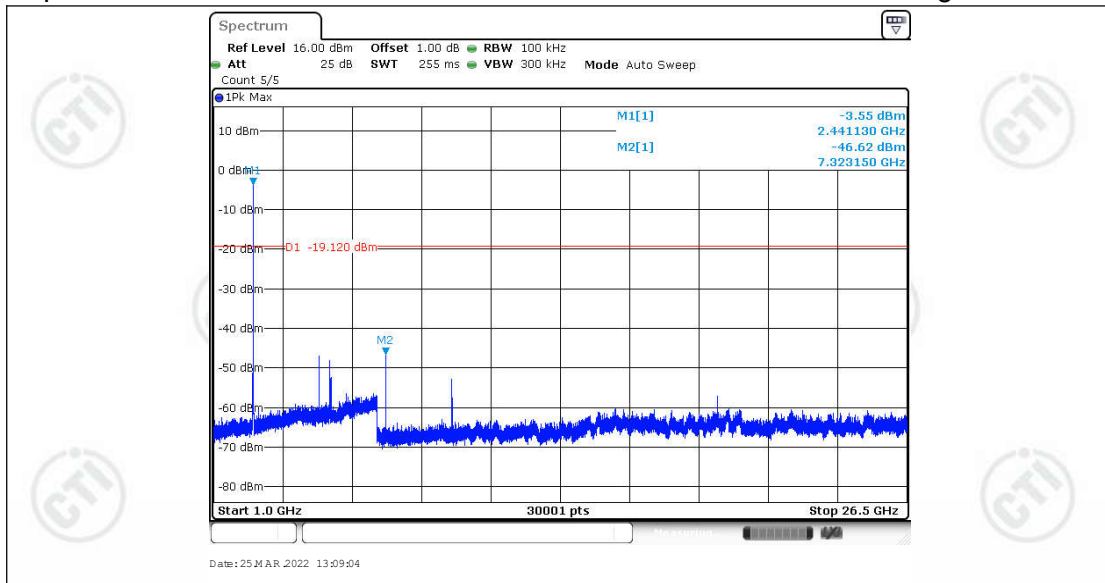
2DH5_Ant1_2402_1000~26500



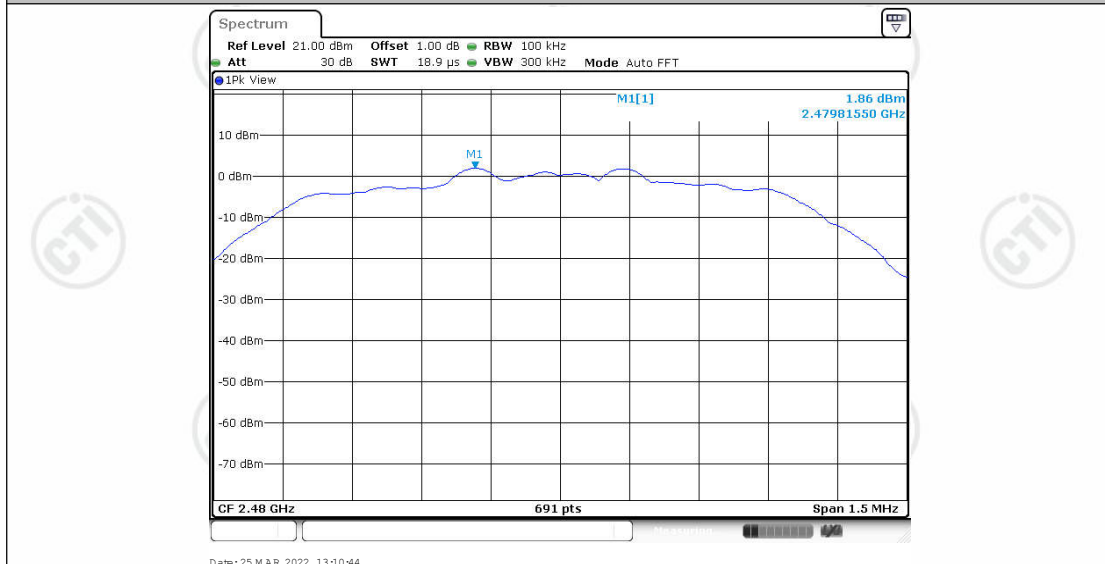
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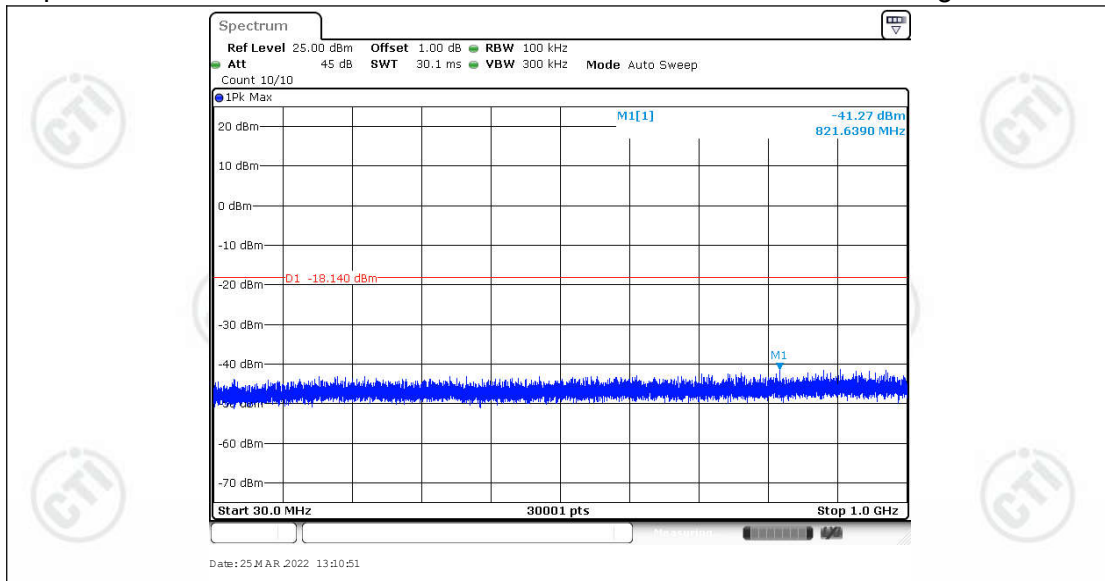
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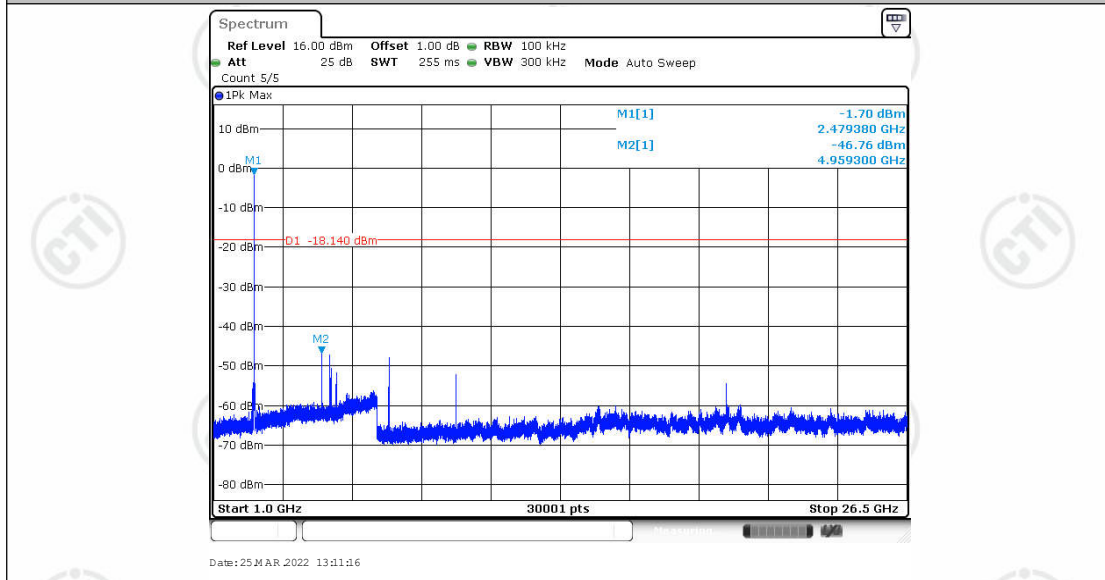
2DH5_Ant1_2441_1000~26500



2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000

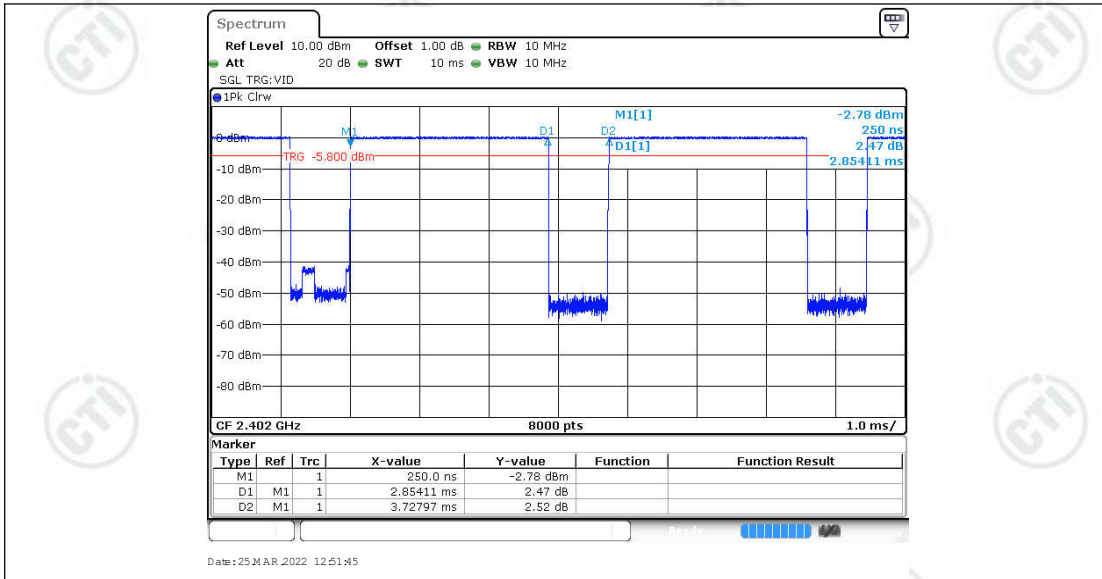


2DH5_Ant1_2480_1000~26500

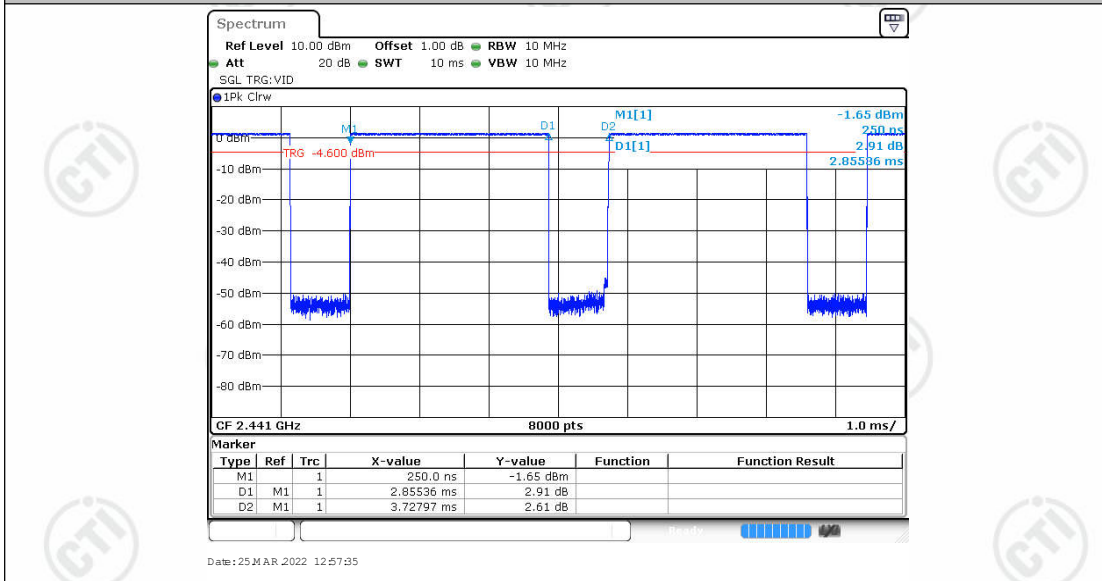
Appendix I: Duty Cycle**Test Result**

| Test Mode | Antenna | Channel | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Limit | Verdict |
|-----------|---------|---------|----------------------------|--------------------------|----------------|-------|---------|
| DH5 | Ant1 | 2402 | 2.85 | 3.73 | 76.41 | --- | PASS |
| | | 2441 | 2.86 | 3.73 | 76.68 | --- | PASS |
| | | 2480 | 2.85 | 3.73 | 76.41 | --- | PASS |
| 2DH5 | Ant1 | 2402 | 2.86 | 3.73 | 76.68 | --- | PASS |
| | | 2441 | 2.86 | 3.73 | 76.68 | --- | PASS |
| | | 2480 | 2.86 | 3.73 | 76.68 | --- | PASS |

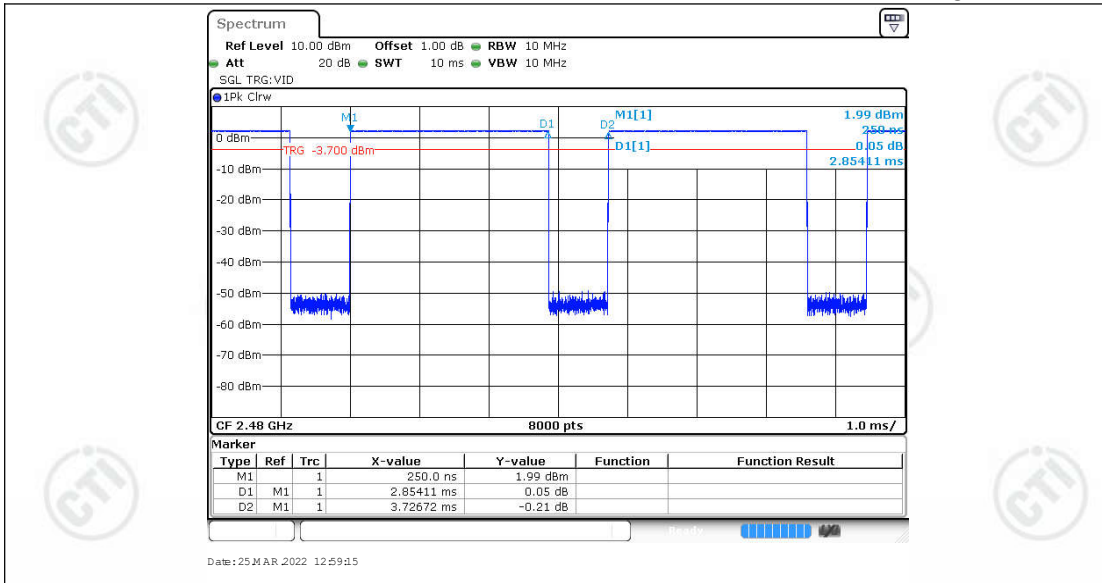
Test Graphs



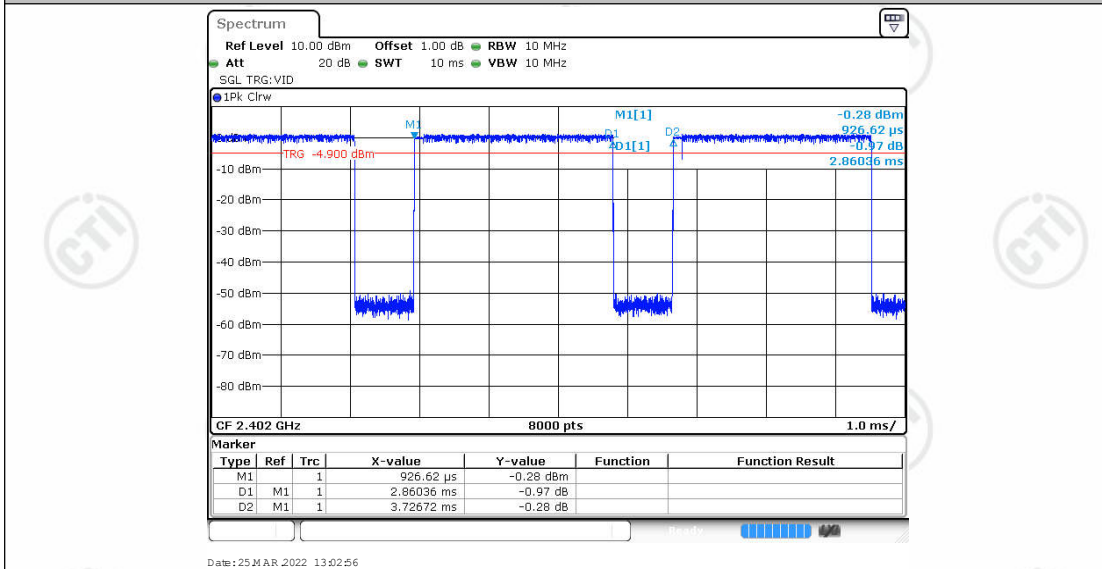
DH5_Ant1_2402



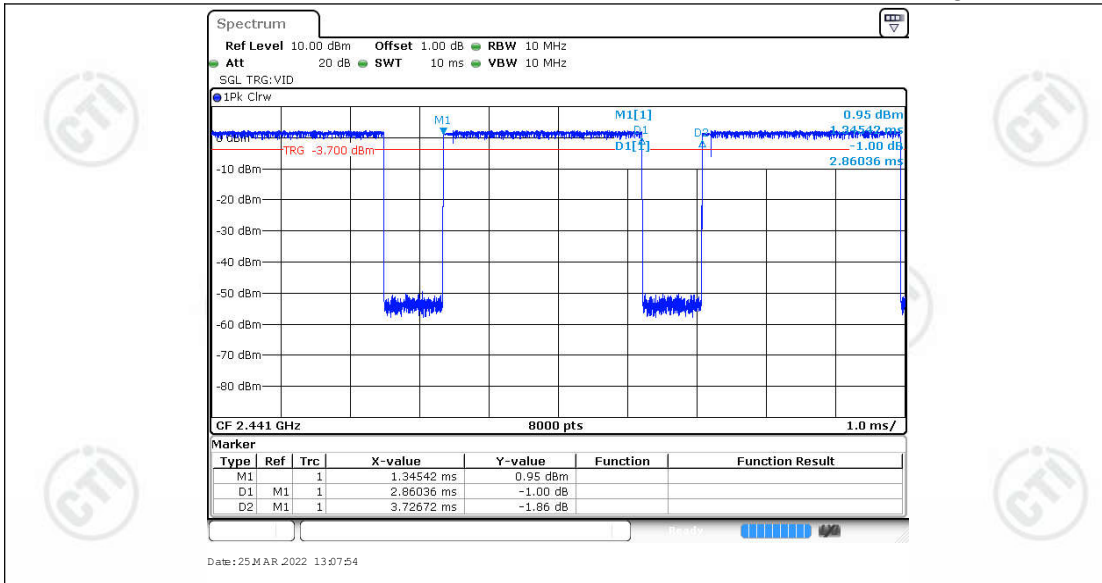
DH5_Ant1_2441



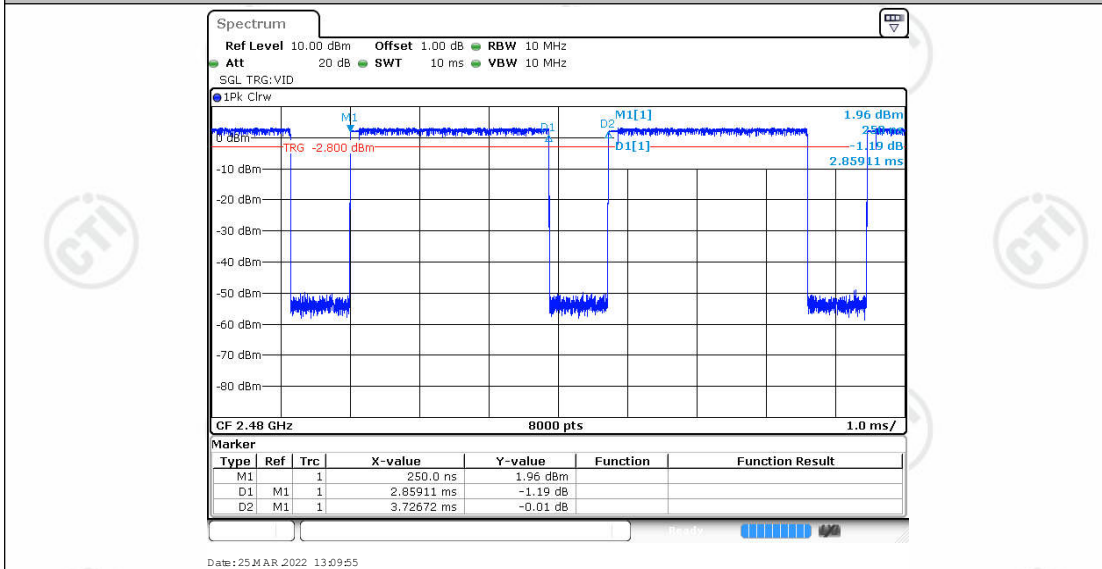
DH5_Ant1_2480



2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480

*** End of Report ***