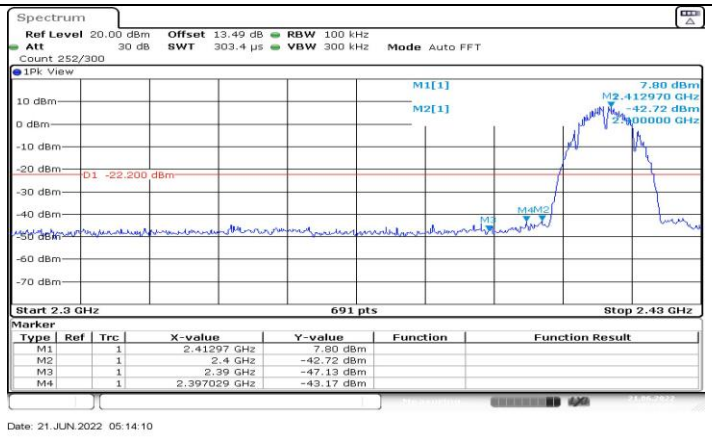
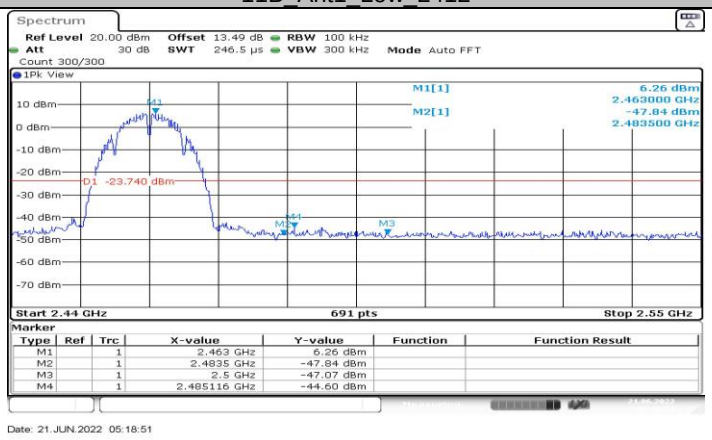
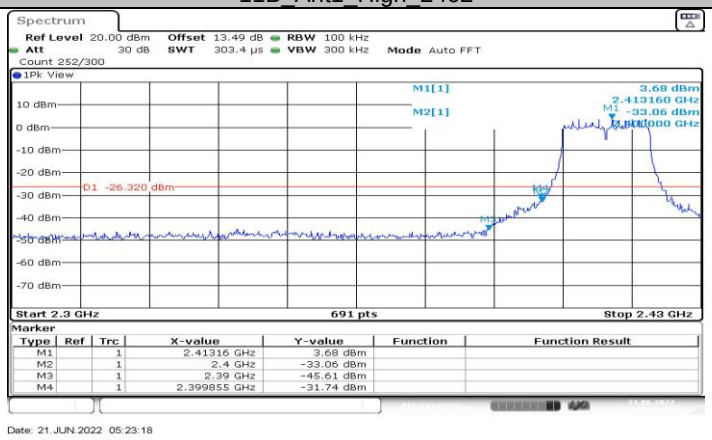
### 11.5.2. Test Graphs



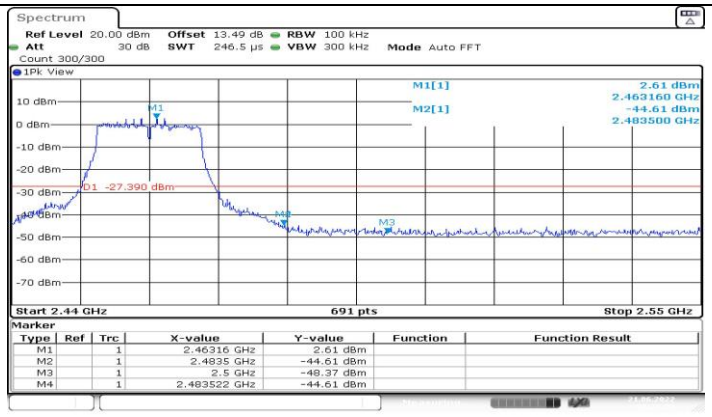

11B_Ant1_Low_2412



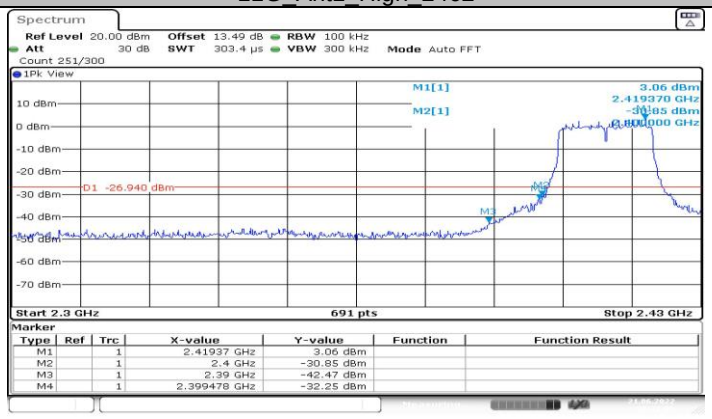

11B_Ant1_High_2462



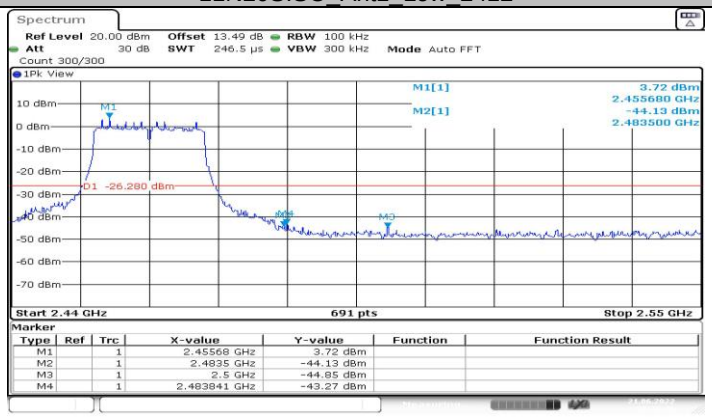

11G_Ant1_Low_2412



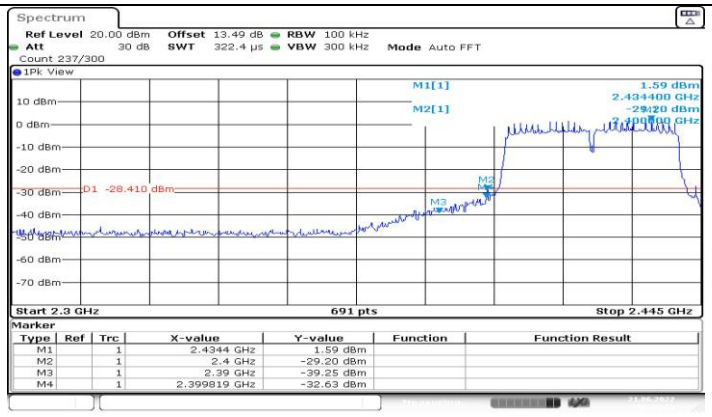

11G_Ant1_High_2462



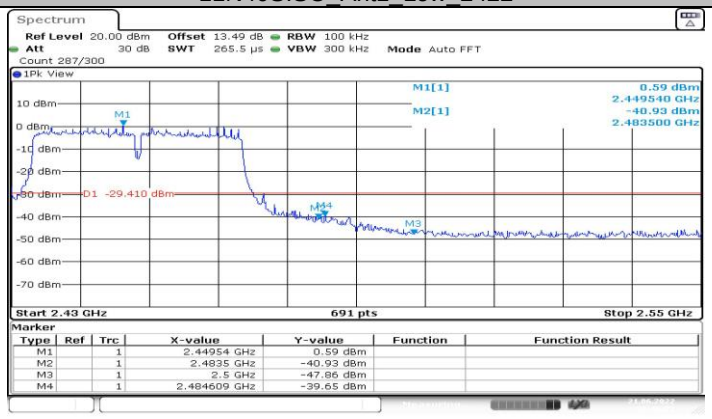

11N20SISO_Ant1_Low_2412




11N20SISO_Ant1_High_2462




11N40SISO_Ant1_Low_2422



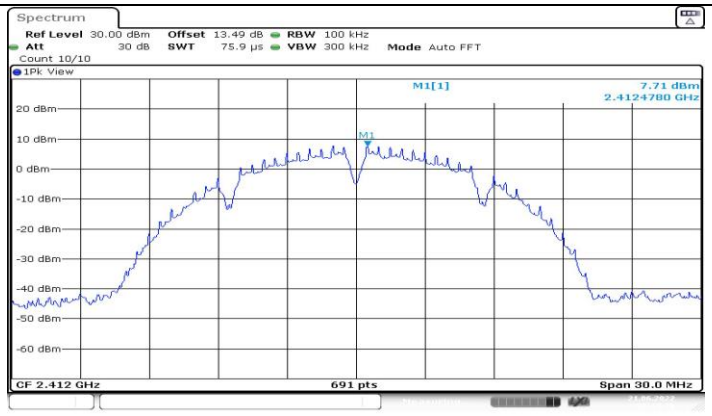

11N40SISO_Ant1_High_2452

## 11.6. Appendix F: Conducted Spurious Emission

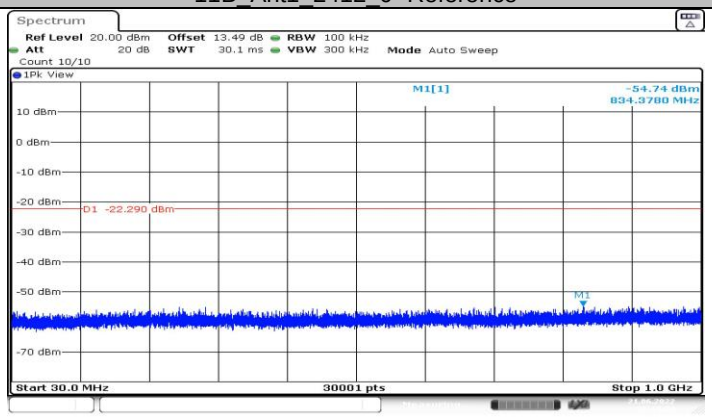
### 11.6.1. Test Result

| Test Mode | Antenna | Channel | FreqRange [Mhz] | Result [dBm] | Limit [dBm] | Verdict |
|---|---|---|---|---|---|---|
| 11B | Ant1 | 2412 | Reference | 7.71 | --- | PASS |
| | | | 30~1000 | -54.74 | ≤-22.29 | PASS |
| | | | 1000~26500 | -34.44 | ≤-22.29 | PASS |
| | | 2437 | Reference | 8.13 | --- | PASS |
| | | | 30~1000 | -54.49 | ≤-21.87 | PASS |
| | | | 1000~26500 | -34.24 | ≤-21.87 | PASS |
| | | 2462 | Reference | 6.88 | --- | PASS |
| | | | 30~1000 | -54.56 | ≤-23.12 | PASS |
| | | | 1000~26500 | -36.88 | ≤-23.12 | PASS |
| 11G | Ant1 | 2412 | Reference | 3.47 | --- | PASS |
| | | | 30~1000 | -54.62 | ≤-26.53 | PASS |
| | | | 1000~26500 | -45.63 | ≤-26.53 | PASS |
| | | 2437 | Reference | 4.16 | --- | PASS |
| | | | 30~1000 | -54.16 | ≤-25.84 | PASS |
| | | | 1000~26500 | -45.59 | ≤-25.84 | PASS |
| | | 2462 | Reference | 3.67 | --- | PASS |
| | | | 30~1000 | -54.77 | ≤-26.33 | PASS |
| | | | 1000~26500 | -46.67 | ≤-26.33 | PASS |
| 11N20SISO | Ant1 | 2412 | Reference | 4.04 | --- | PASS |
| | | | 30~1000 | -54.41 | ≤-25.96 | PASS |
| | | | 1000~26500 | -44.53 | ≤-25.96 | PASS |
| | | 2437 | Reference | 4.57 | --- | PASS |
| | | | 30~1000 | -54.38 | ≤-25.43 | PASS |
| | | | 1000~26500 | -44.39 | ≤-25.43 | PASS |
| | | 2462 | Reference | 2.90 | --- | PASS |
| | | | 30~1000 | -54.67 | ≤-27.1 | PASS |
| | | | 1000~26500 | -48.44 | ≤-27.1 | PASS |
| 11N40SISO | Ant1 | 2422 | Reference | 1.75 | --- | PASS |
| | | | 30~1000 | -53.73 | ≤-28.25 | PASS |
| | | | 1000~26500 | -46.9 | ≤-28.25 | PASS |
| | | 2437 | Reference | 1.45 | --- | PASS |
| | | | 30~1000 | -54.49 | ≤-28.55 | PASS |
| | | | 1000~26500 | -42.28 | ≤-28.55 | PASS |
| | | 2452 | Reference | 1.32 | --- | PASS |
| | | | 30~1000 | -54.84 | ≤-28.68 | PASS |
| | | | 1000~26500 | -47.65 | ≤-28.68 | PASS |

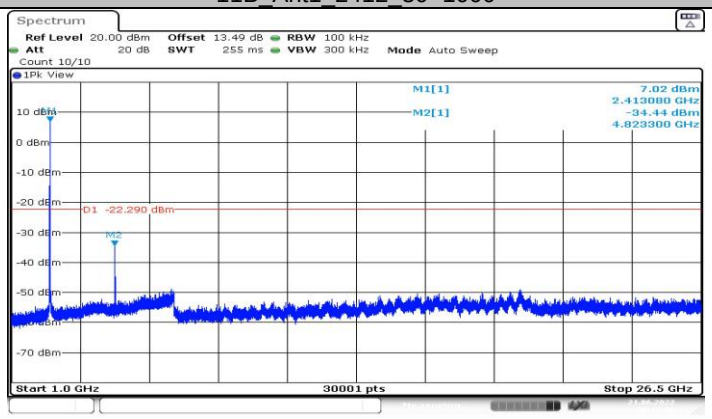
## 11.6.2. Test Graphs



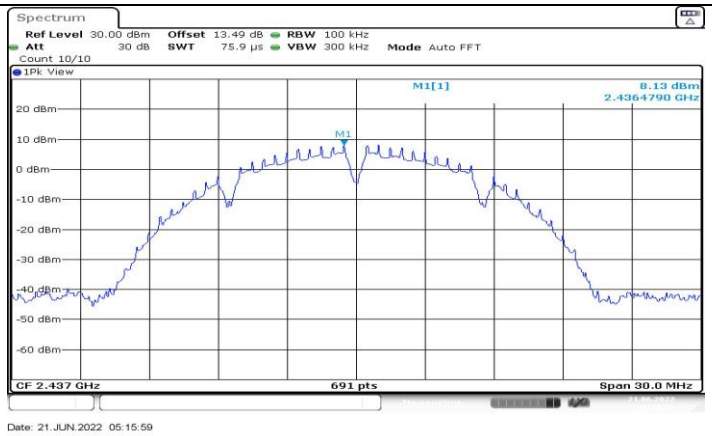

11B_Ant1_2412_0~Reference



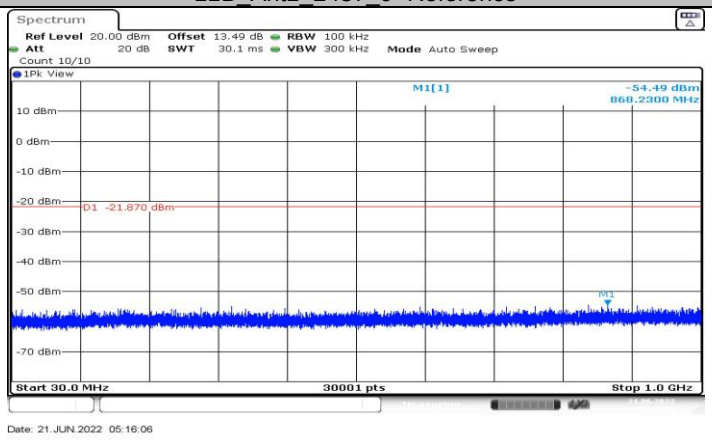

11B_Ant1_2412_30~1000



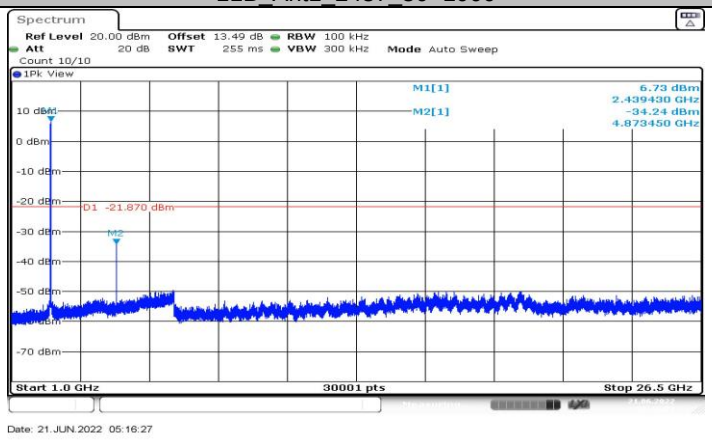

11B_Ant1_2412_1000~26500



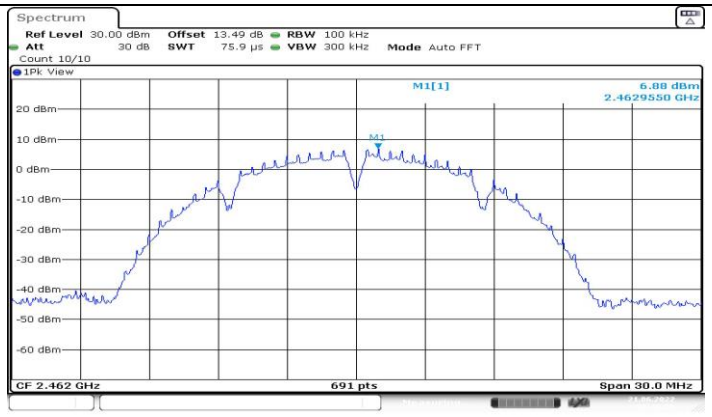

11B_Ant1_2437_0~Reference



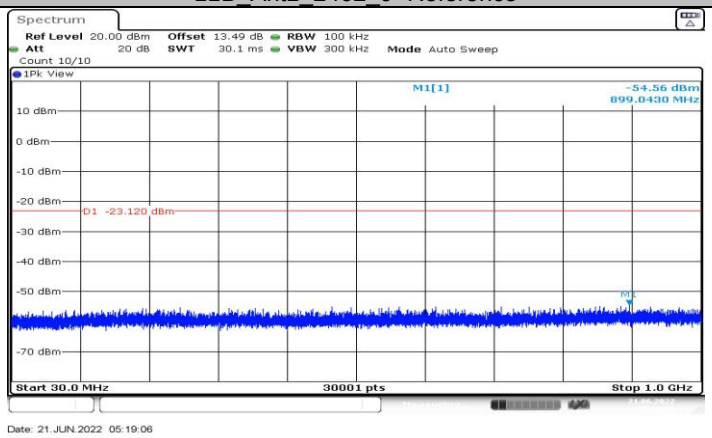

11B_Ant1_2437_30~1000



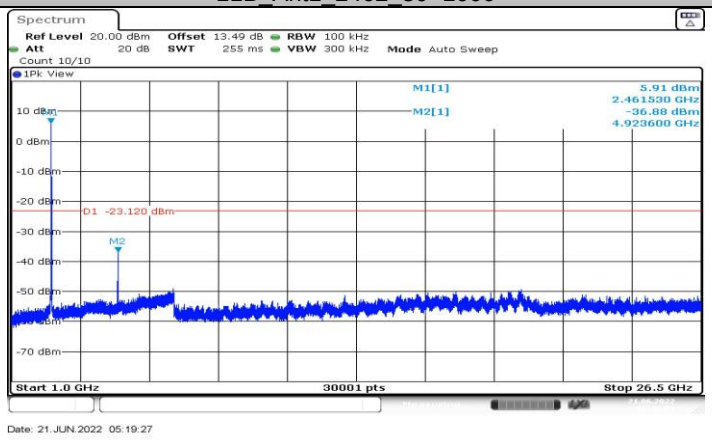

11B_Ant1_2437_1000~26500



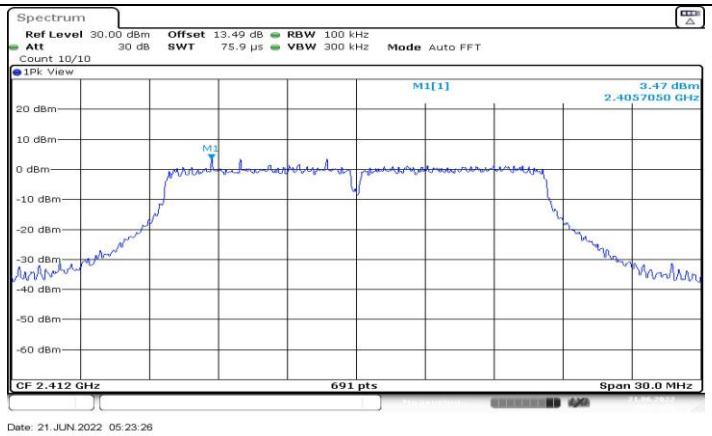

11B_Ant1_2462_0~Reference



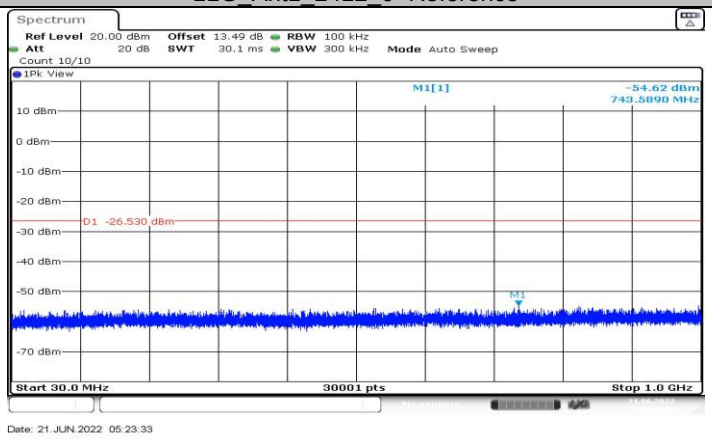

11B_Ant1_2462_30~1000




11B_Ant1_2462_1000~26500




11G_Ant1_2412_0~Reference

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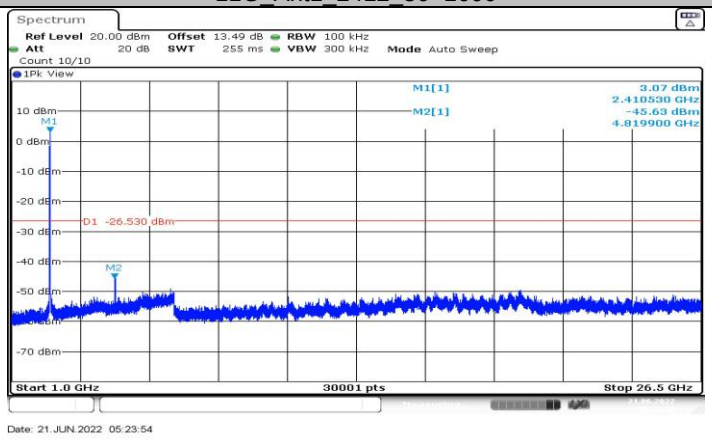
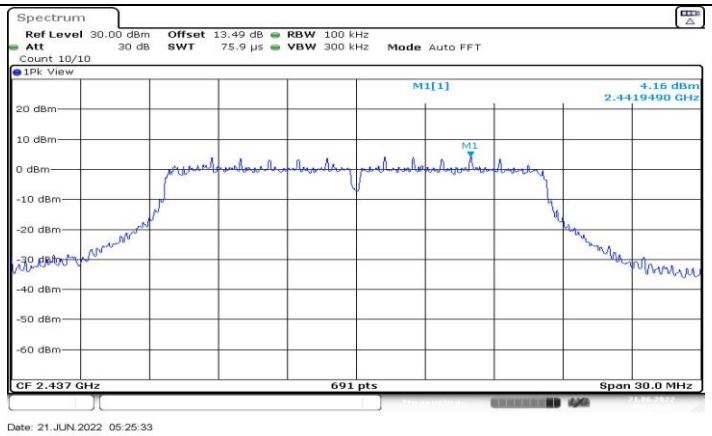
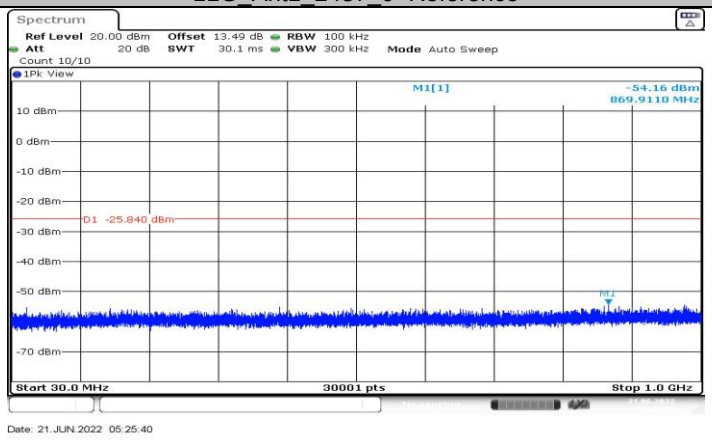


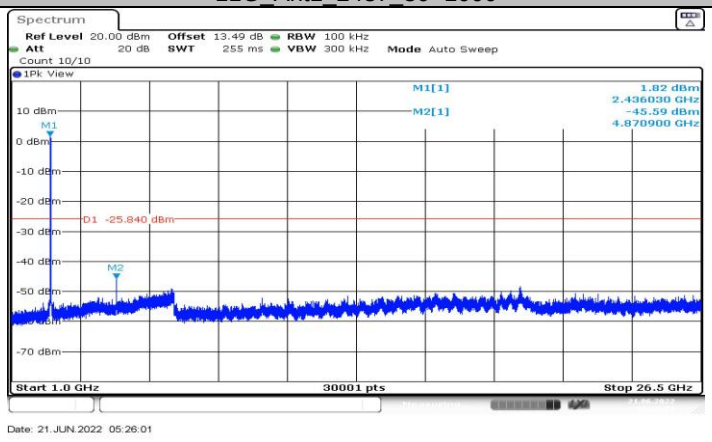

11G_Ant1_2412_1000~26500




11G_Ant1_2437_0~Reference




11G_Ant1_2437_30~1000

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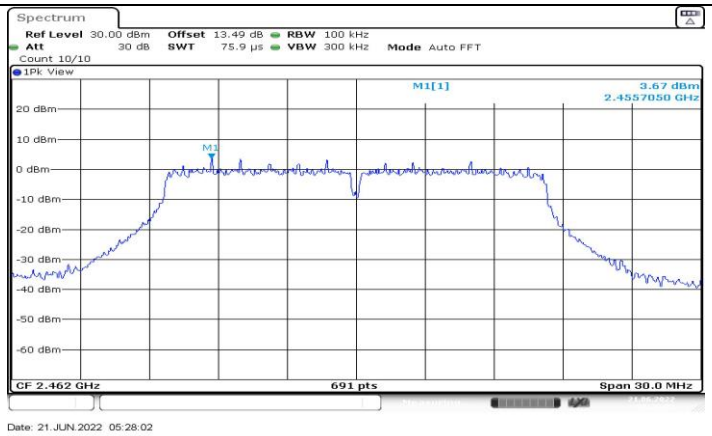
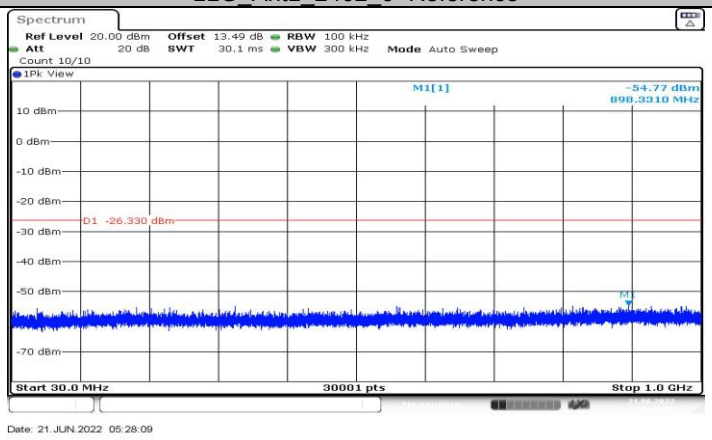
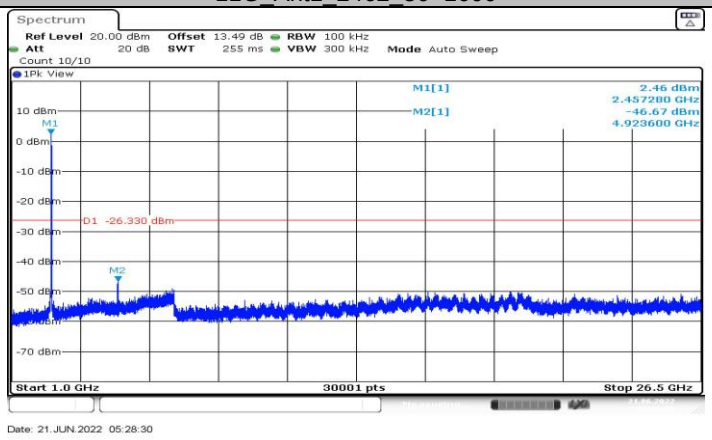


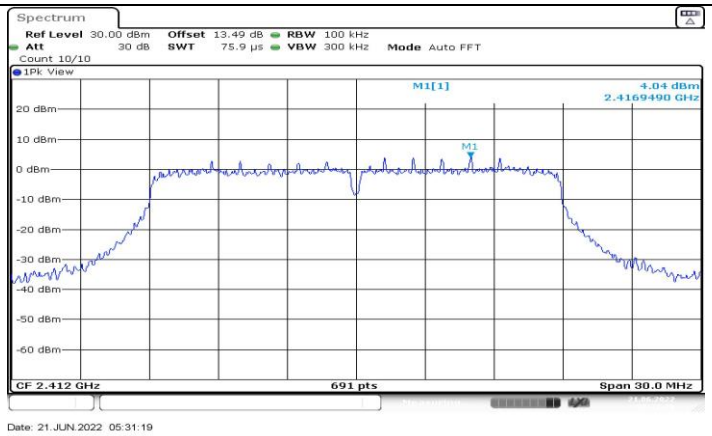

11G_Ant1_2462_0~Reference



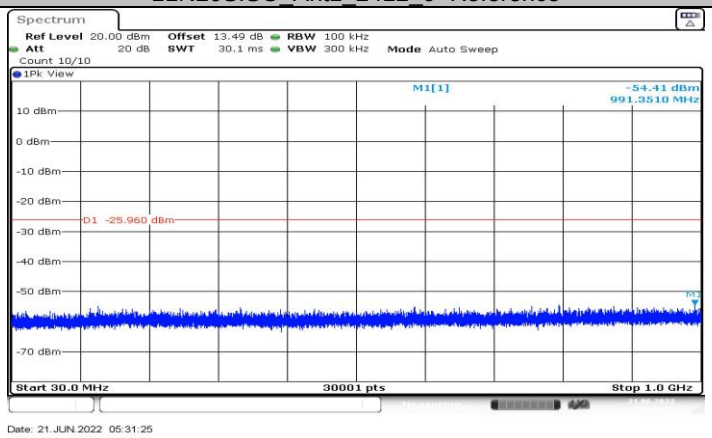

11G_Ant1_2462_30~1000



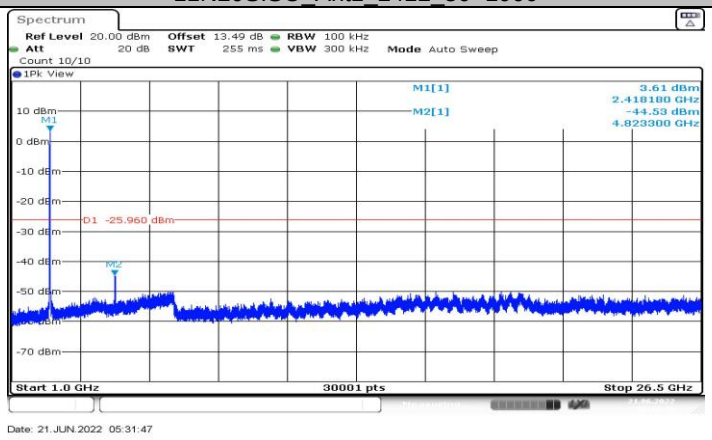

11G_Ant1_2462_1000~26500



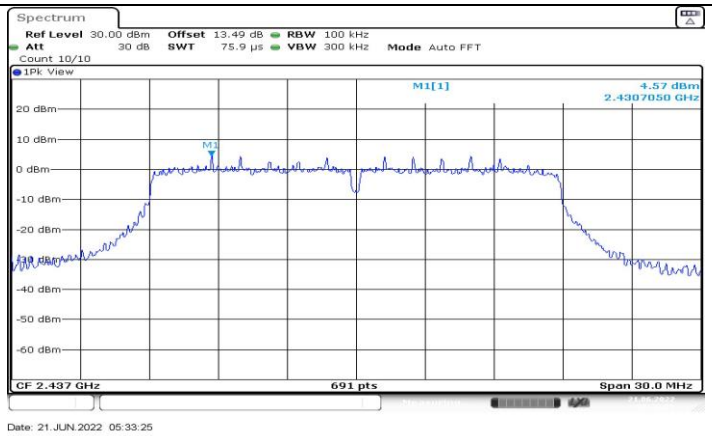

11N20SISO_Ant1_2412_0~Reference




11N20SISO_Ant1_2412_30~1000




11N20SISO_Ant1_2412_1000~26500

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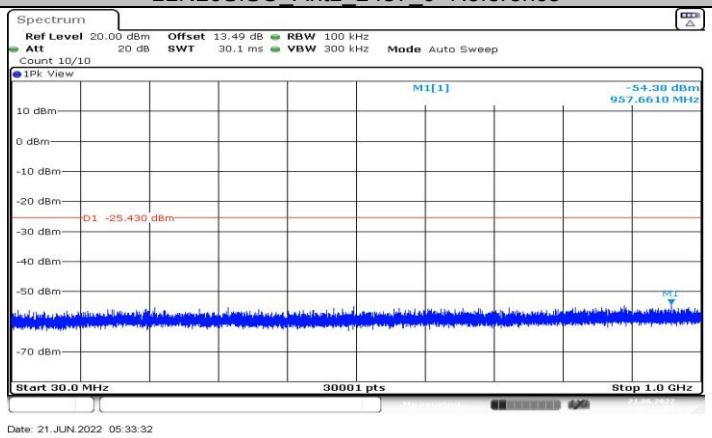
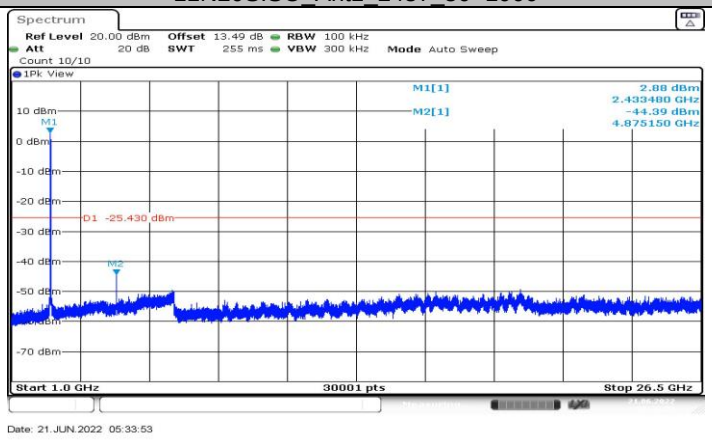
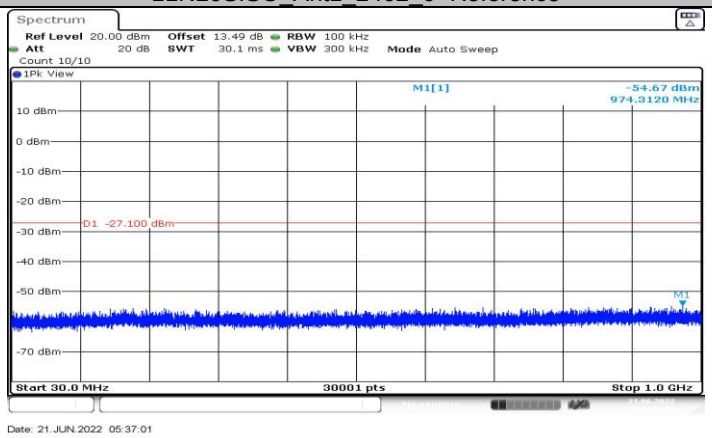



11N20SISO_Ant1_2437_30~1000

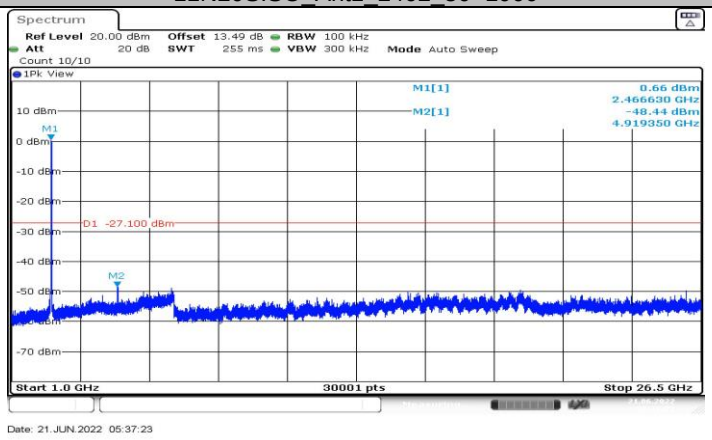



11N20SISO_Ant1_2437_1000~26500

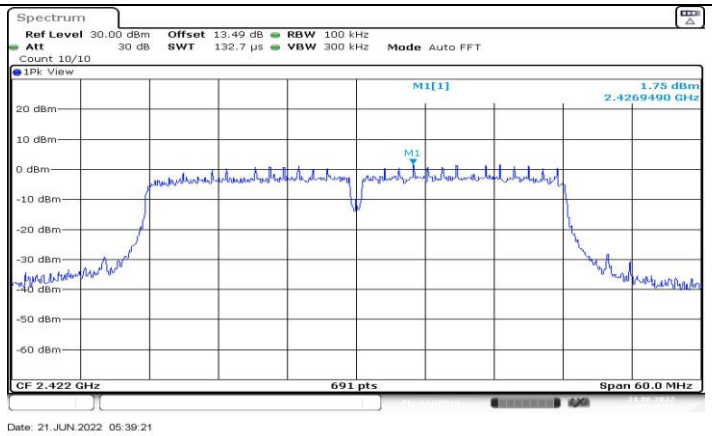

11N20SISO_Ant1_2462_0~Reference



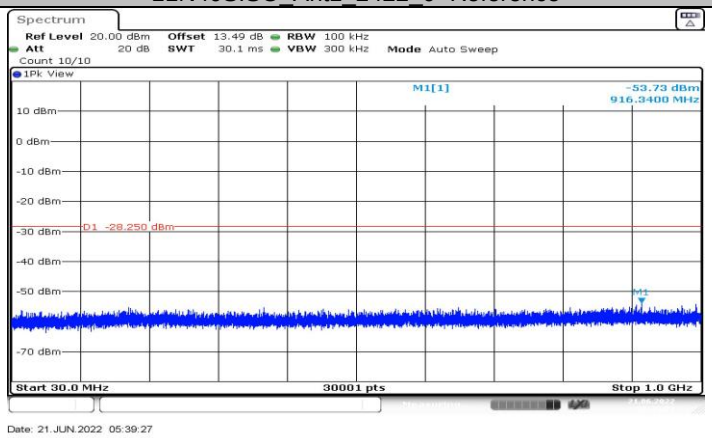

11N20SISO_Ant1_2462_30~1000



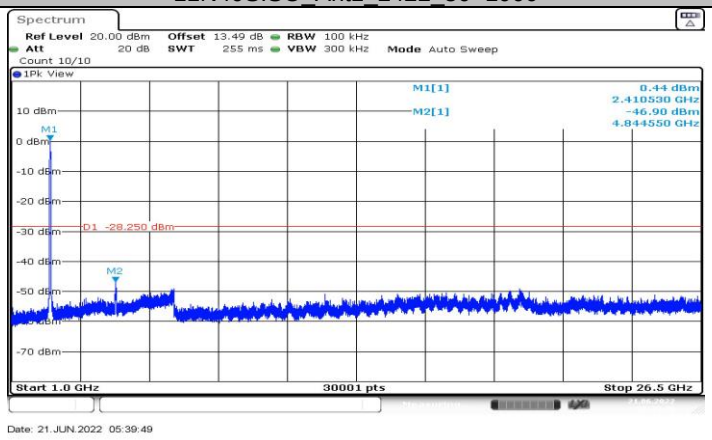

11N20SISO_Ant1_2462_1000~26500




11N40SISO_Ant1_2422_0~Reference

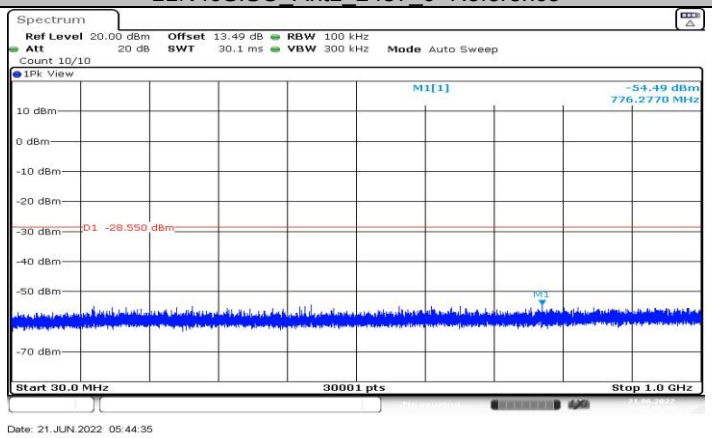



11N40SISO_Ant1_2422_30~1000

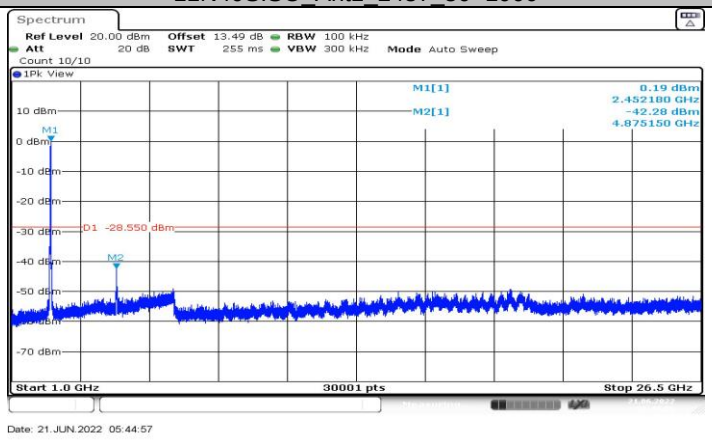



11N40SISO_Ant1_2422_1000~26500


11N40SISO_Ant1_2437_0~Reference

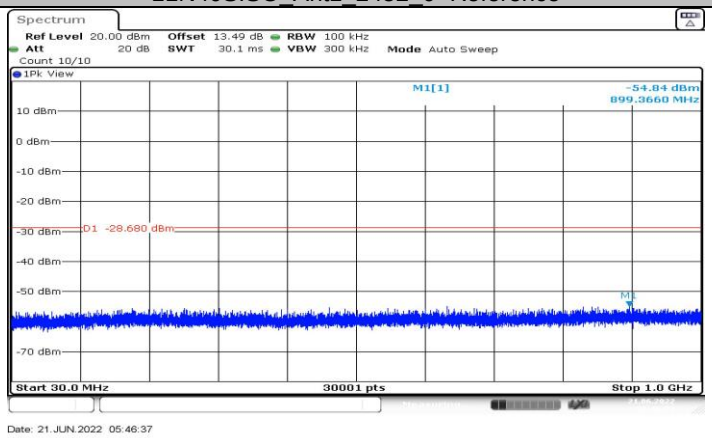



11N40SISO_Ant1_2437_30~1000

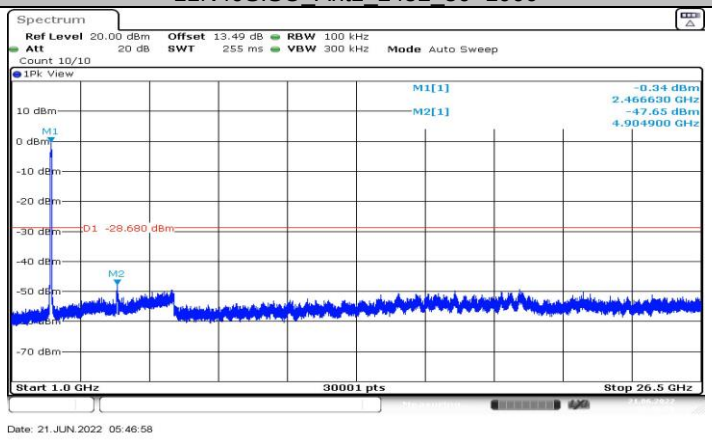



11N40SISO_Ant1_2437_1000~26500


11N40SISO_Ant1_2452_0~Reference




11N40SISO_Ant1_2452_30~1000




11N40SISO_Ant1_2452_1000~26500

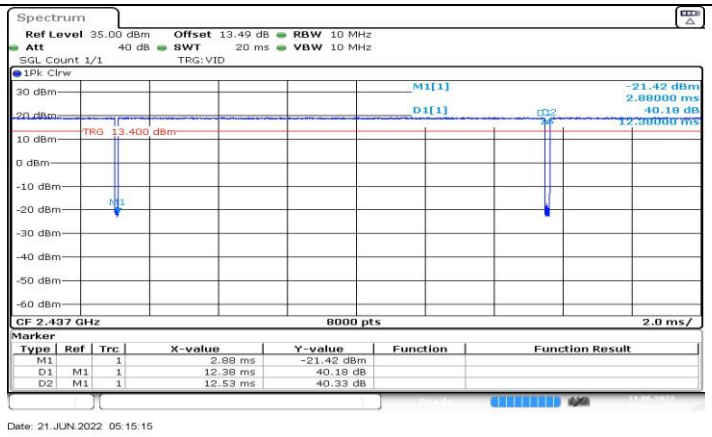
## 11.7. Appendix G: Duty Cycle

### 11.7.1. Test Result

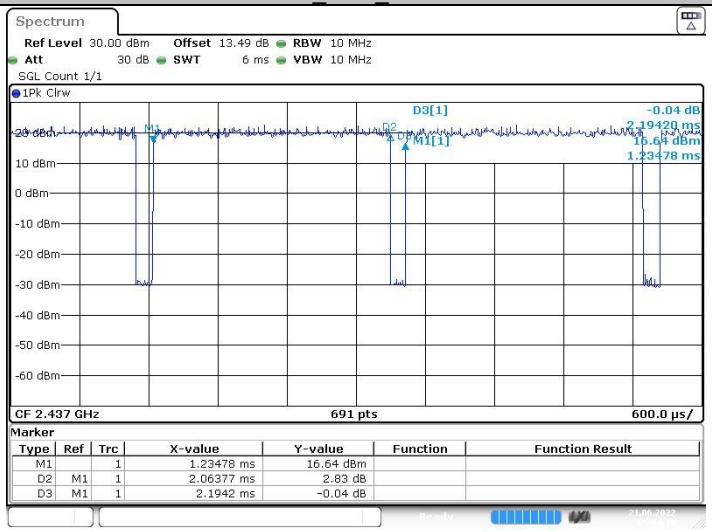
| Test Mode | On Time (msec) | Period (msec) | Duty Cycle x (Linear) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | 1/T Minimum VBW (kHz) | Final setting For VBW (kHz) |
|---|---|---|---|---|---|---|---|
| 11B | 12.38 | 12.53 | 0.9880 | 98.80 | 0.05 | 0.08 | 0.01 |
| 11G | 2.06 | 2.19 | 0.9406 | 94.06 | 0.27 | 0.49 | 1 |
| 11N20SISO | 1.92 | 2.04 | 0.9412 | 94.12 | 0.26 | 0.52 | 1 |
| 11N40SISO | 0.95 | 1.04 | 0.9135 | 91.35 | 0.39 | 1.05 | 2 |

Note:
Duty Cycle Correction Factor=10log (1/x).
Where: x is Duty Cycle (Linear)
Where: T is On Time
If that calculated VBW is not available on the analyzer then the next higher value should be used.
If the Duty Cycle is granter than or equal to 98%, the VBW should be set to 10 Hz.

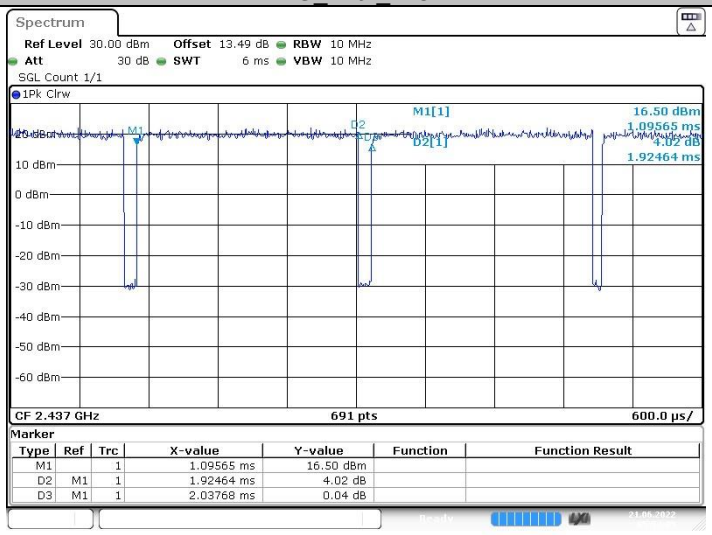
## 11.7.2. Test Graphs



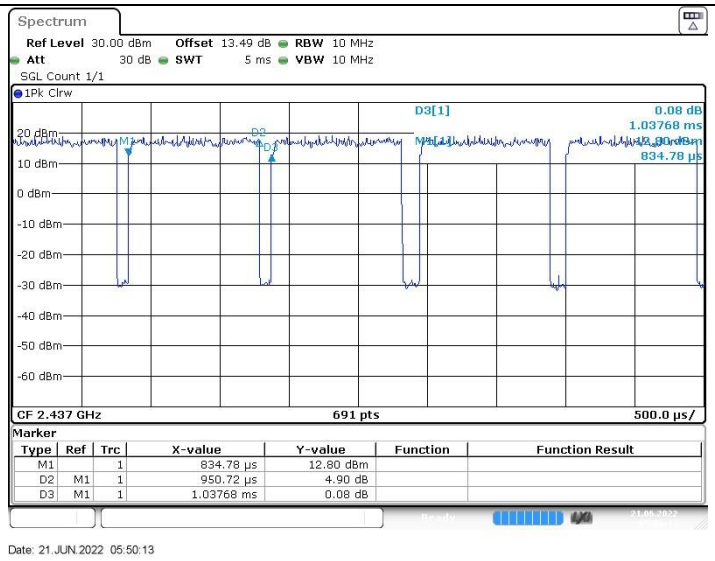

11B_Ant1_2437




11G_Ant1_2437




11N20SISO_Ant1_2437




11N40SISO_Ant1_2437

**END OF REPORT**