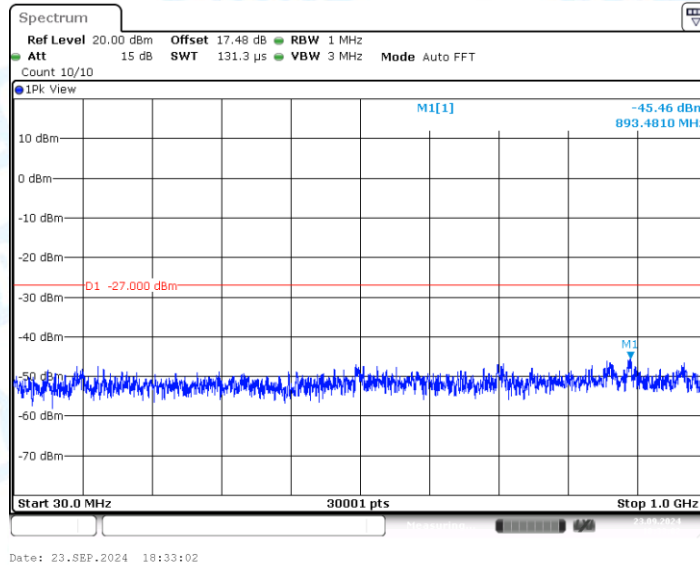
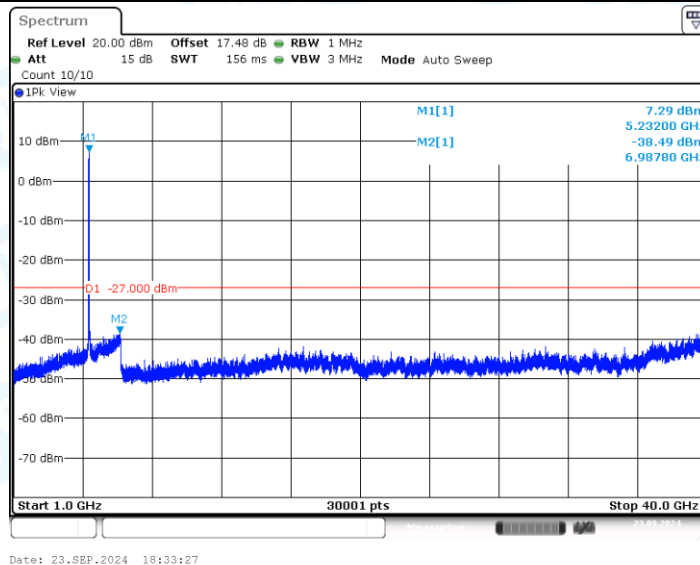
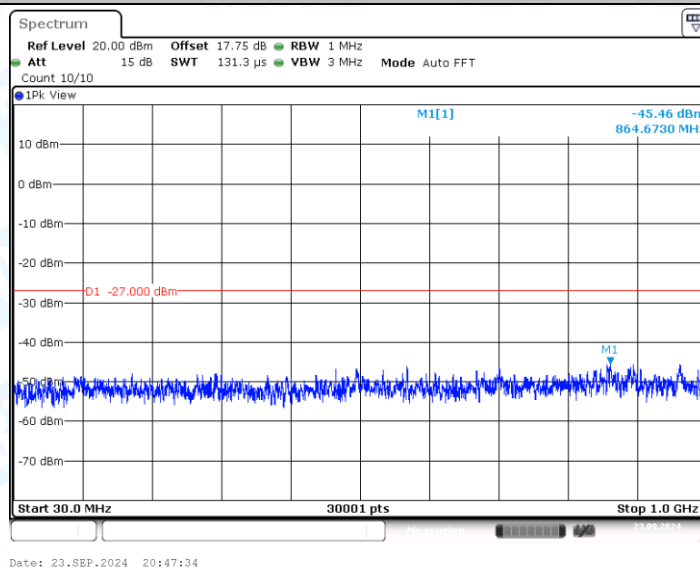




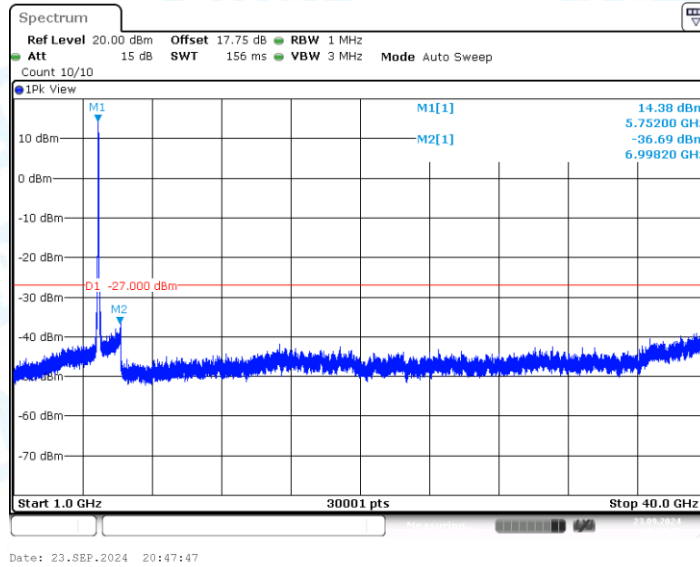
11N40SISO\_Ant1\_5230\_1000~40000



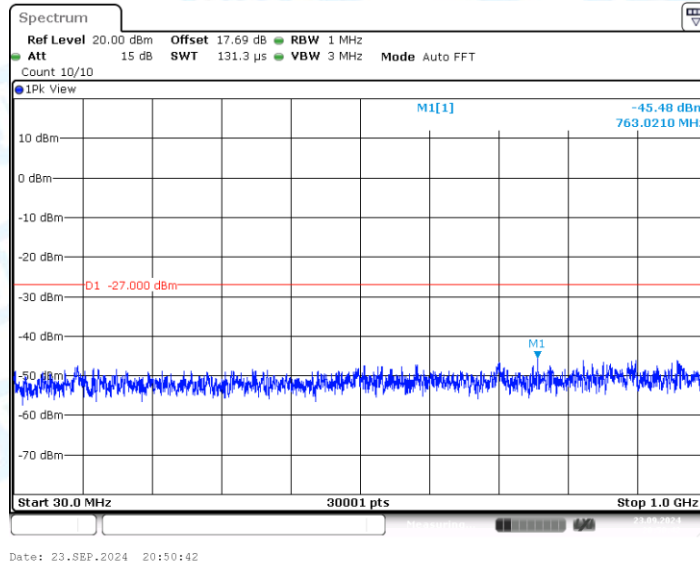
11N40SISO\_Ant1\_5755\_30~1000



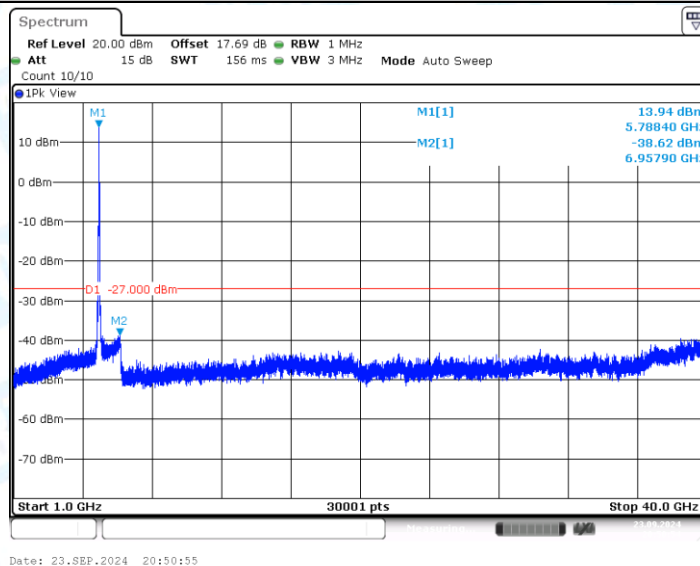
11N40SISO\_Ant1\_5755\_1000~40000



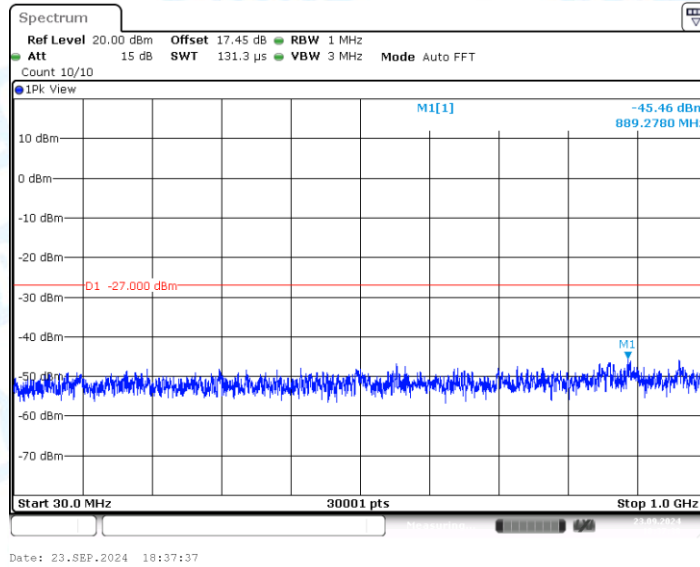
11N40SISO\_Ant1\_5795\_30~1000



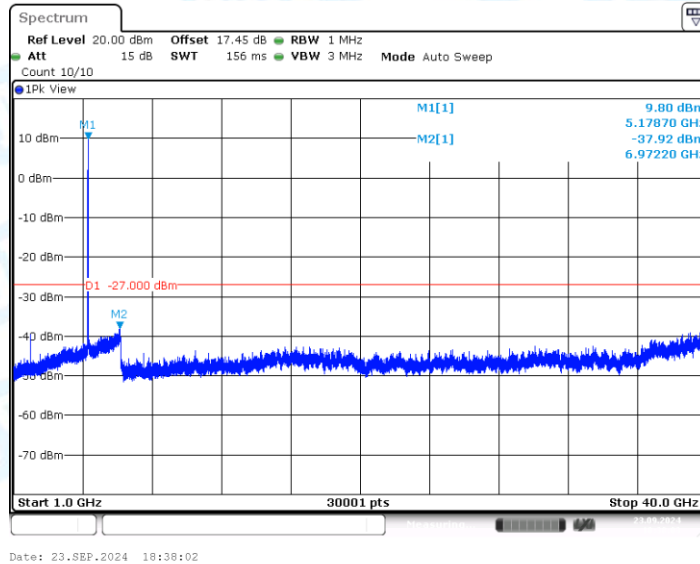
11N40SISO\_Ant1\_5795\_1000~40000



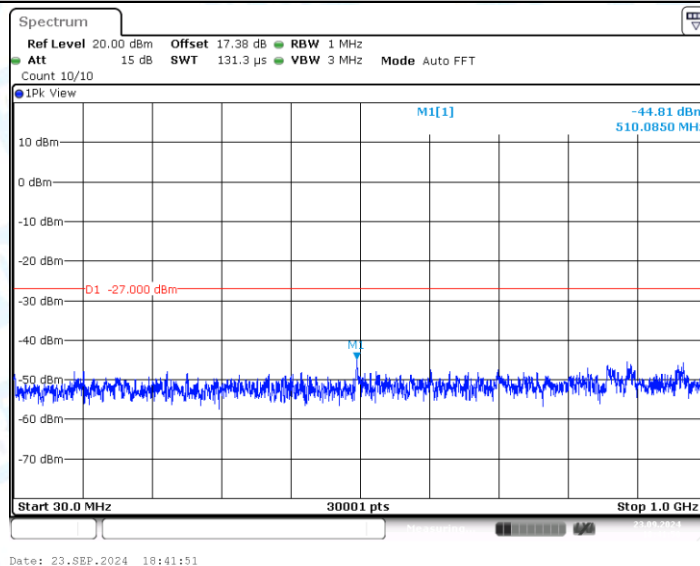
11AC20SISO\_Ant1\_5180\_30~1000



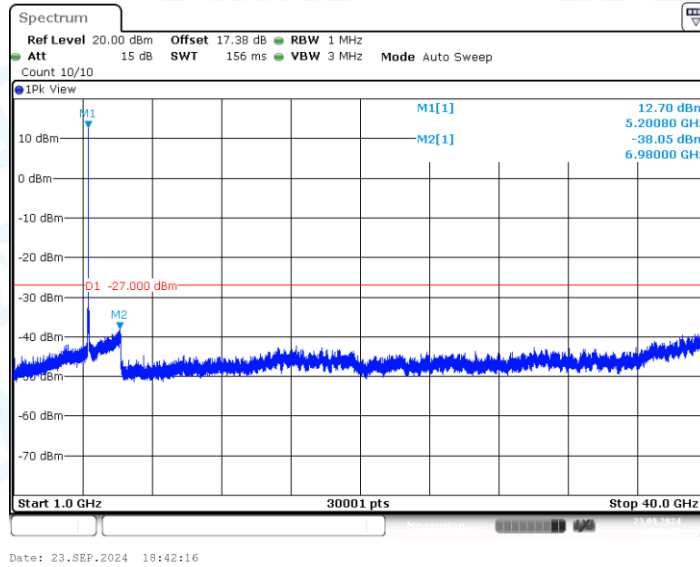
11AC20SISO\_Ant1\_5180\_1000~40000



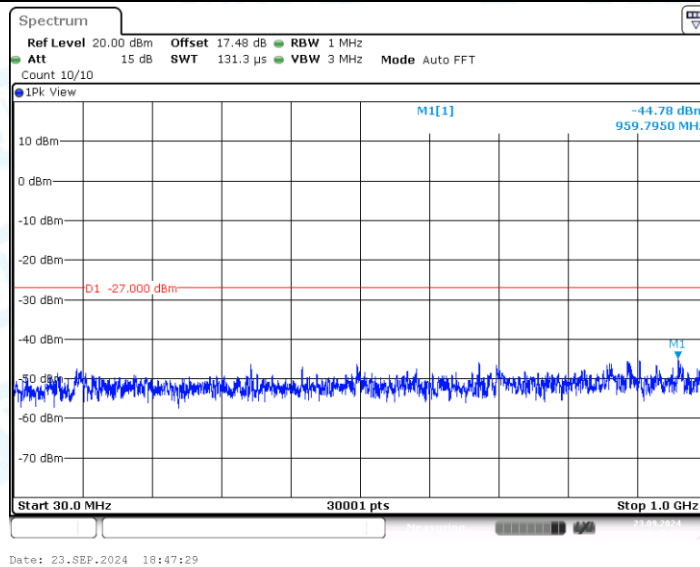
11AC20SISO\_Ant1\_5200\_30~1000



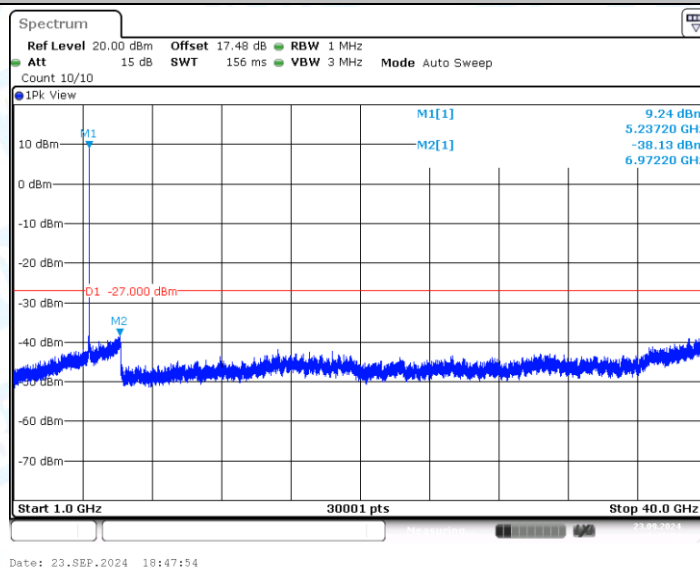
11AC20SISO\_Ant1\_5200\_1000~40000



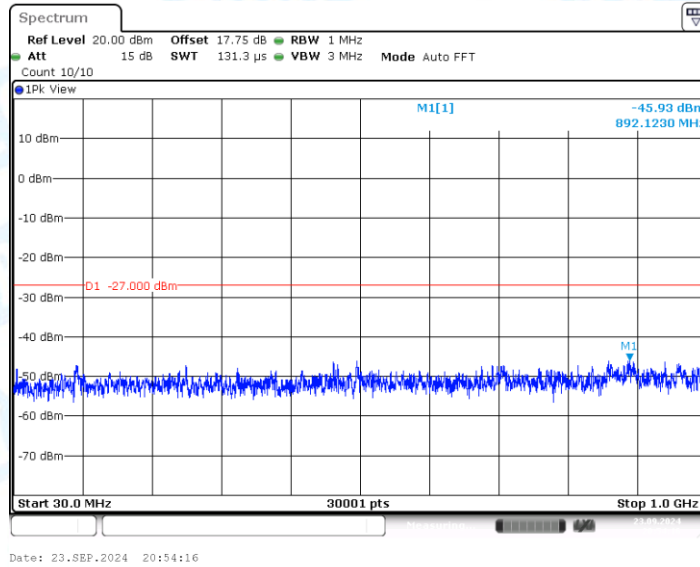
11AC20SISO\_Ant1\_5240\_30~1000



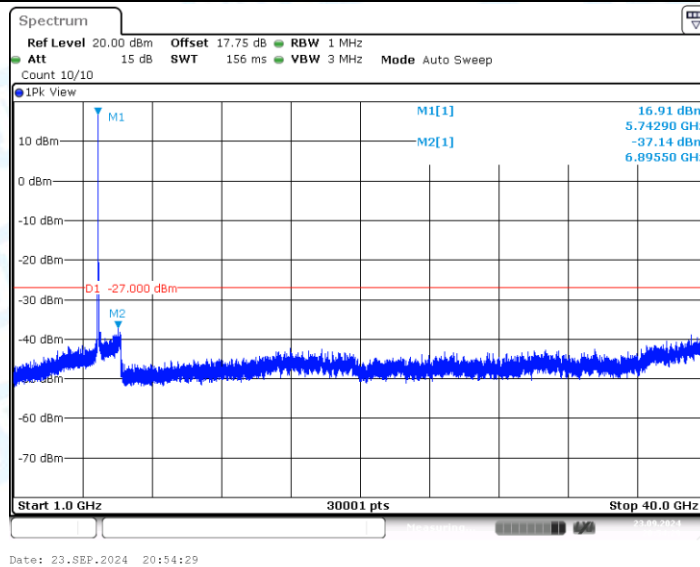
11AC20SISO\_Ant1\_5240\_1000~40000



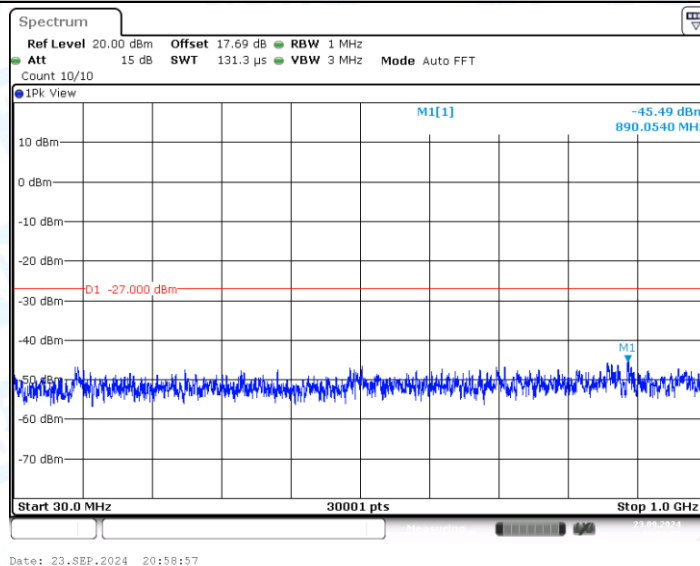
11AC20SISO\_Ant1\_5745\_30~1000



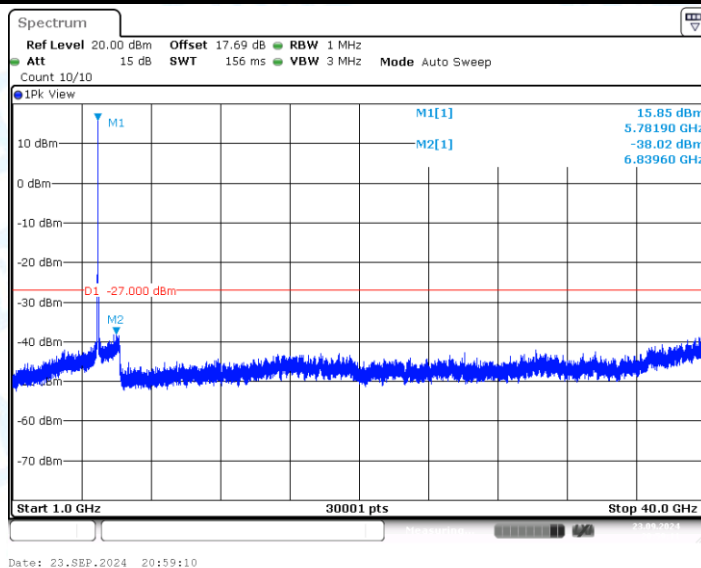
11AC20SISO\_Ant1\_5745\_1000~40000



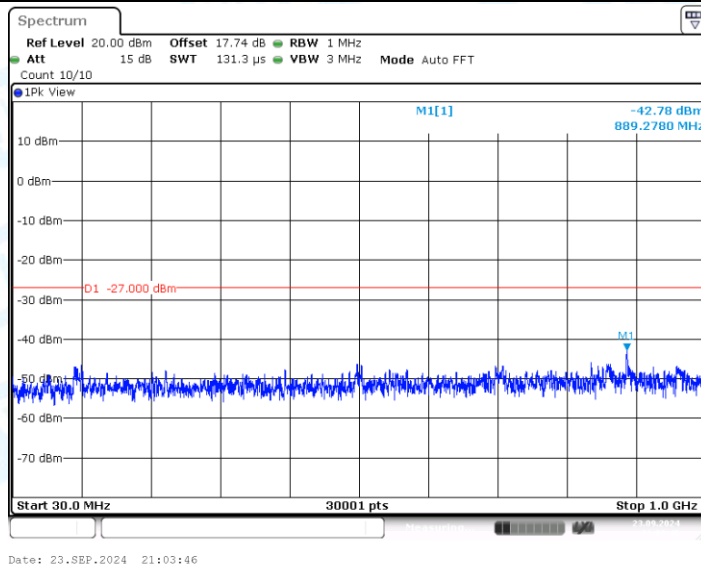
11AC20SISO\_Ant1\_5785\_30~1000



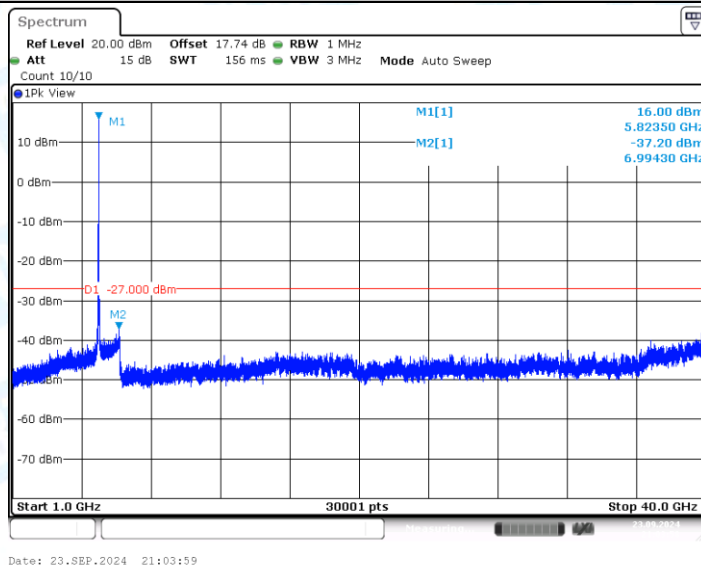
11AC20SISO\_Ant1\_5785\_1000~40000



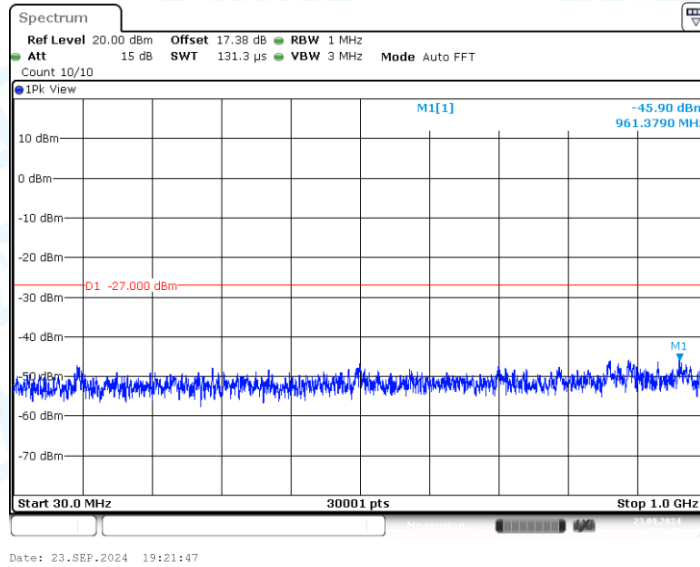
11AC20SISO\_Ant1\_5825\_30~1000



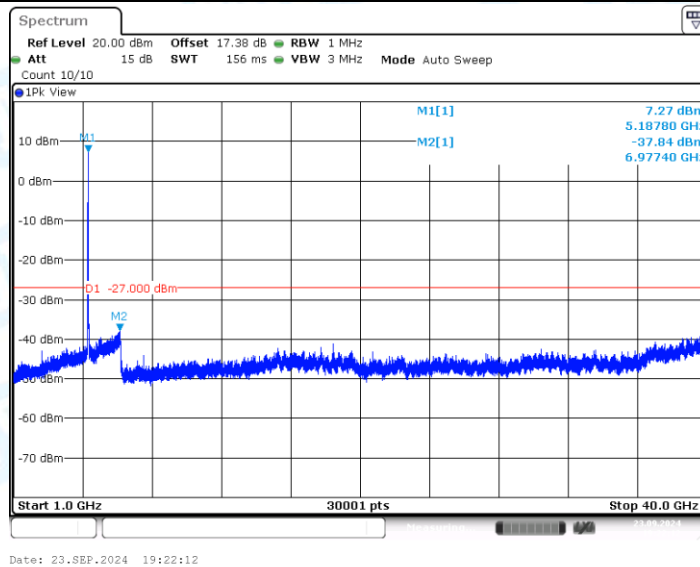
11AC20SISO\_Ant1\_5825\_1000~40000



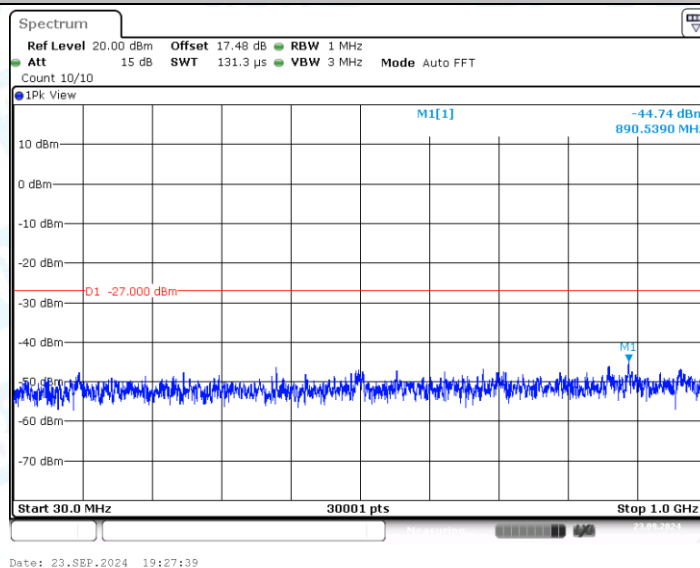
11AC40SISO\_Ant1\_5190\_30~1000



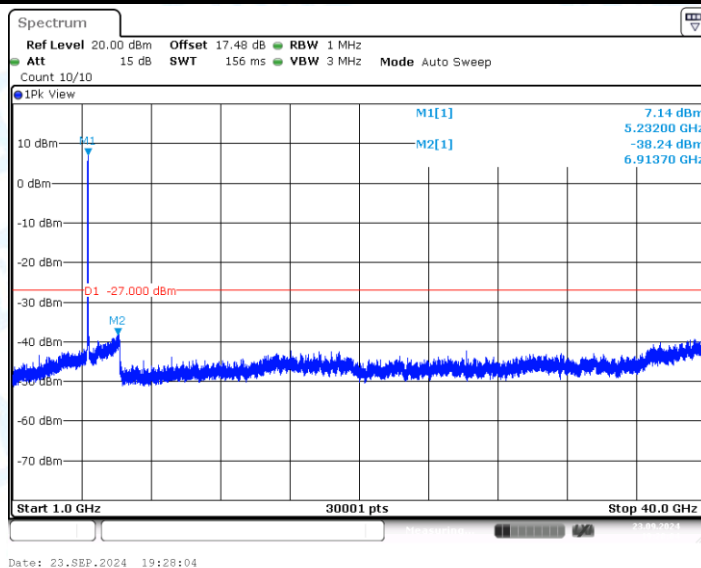
11AC40SISO\_Ant1\_5190\_1000~40000



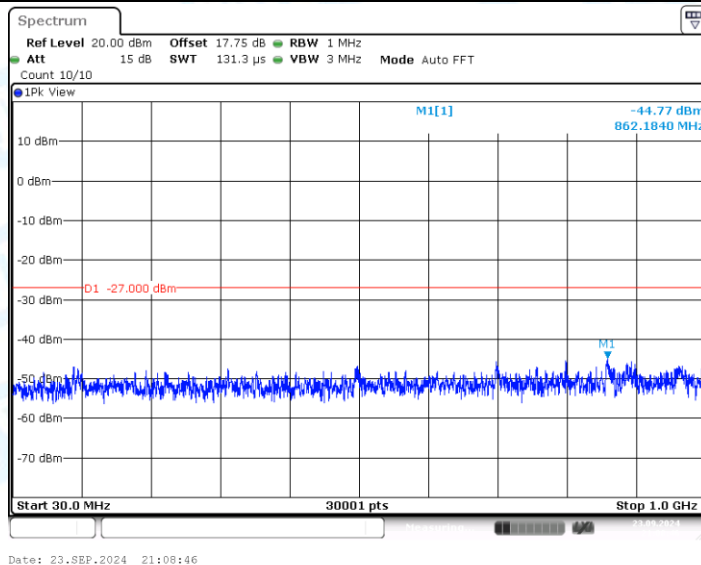
11AC40SISO\_Ant1\_5230\_30~1000



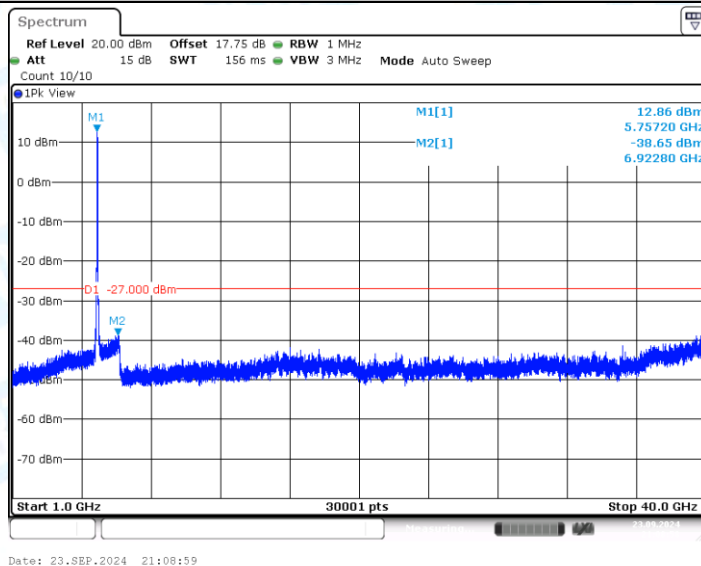
11AC40SISO\_Ant1\_5230\_1000~40000



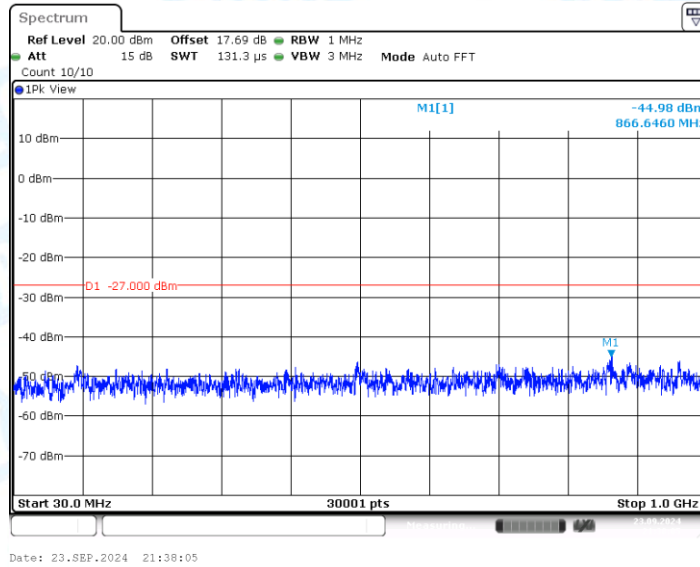
11AC40SISO\_Ant1\_5755\_30~1000



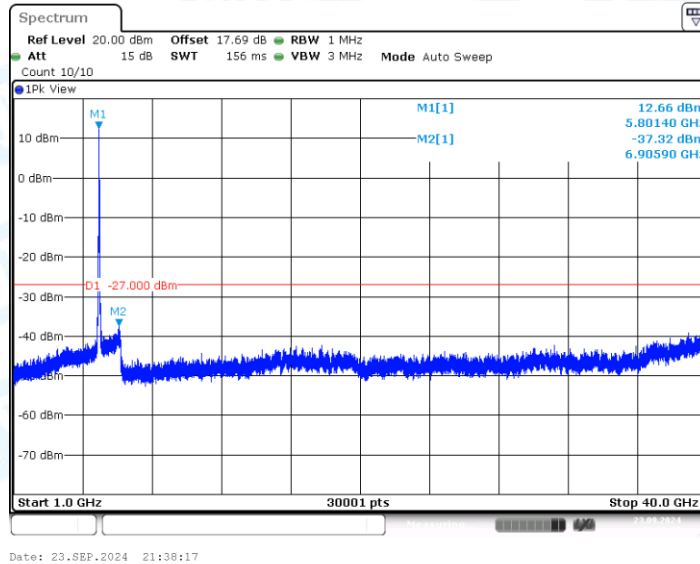
11AC40SISO\_Ant1\_5755\_1000~40000



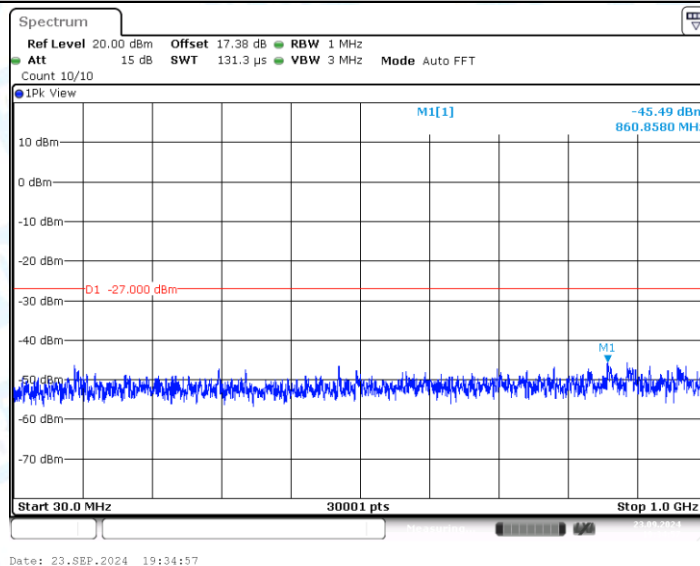
11AC40SISO\_Ant1\_5795\_30~1000



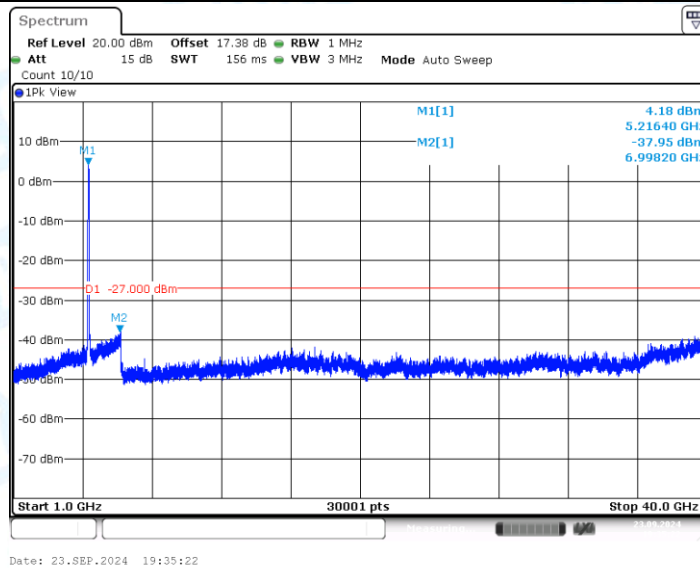
11AC40SISO\_Ant1\_5795\_1000~40000



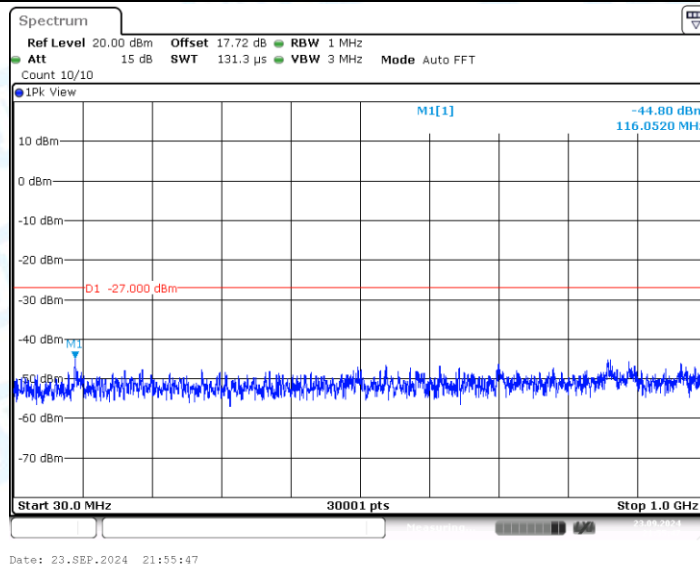
11AC80SISO\_Ant1\_5210\_30~1000



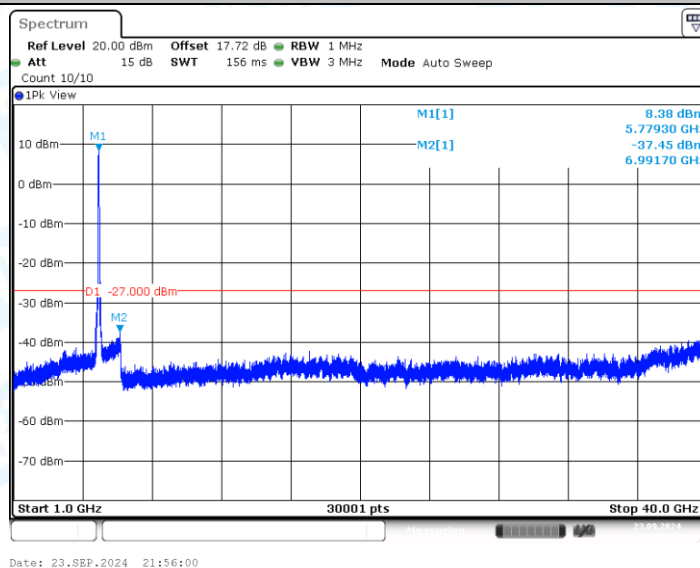
11AC80SISO\_Ant1\_5210\_1000~40000



11AC80SISO\_Ant1\_5775\_30~1000



11AC80SISO\_Ant1\_5775\_1000~40000



## 9. Frequency Stability

### 9.1. Test Result

| Voltage        |         |         |               |                  |                |                 |             |         |
|----------------|---------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| TestMode       | Antenna | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 11AC20SIS<br>O | Ant1    | 5180    | NV            | NT               | -60000.00      | -11.583012      | 20          | PASS    |
|                |         |         | LV            | NT               | -100000.00     | -19.305019      | 20          | PASS    |
|                |         |         | HV            | NT               | -60000.00      | -11.583012      | 20          | PASS    |
|                |         | 5200    | NV            | NT               | -80000.00      | -15.384615      | 20          | PASS    |
|                |         |         | LV            | NT               | -80000.00      | -15.384615      | 20          | PASS    |
|                |         |         | HV            | NT               | -80000.00      | -15.384615      | 20          | PASS    |
|                |         | 5240    | NV            | NT               | -80000.00      | -15.267176      | 20          | PASS    |
|                |         |         | LV            | NT               | -100000.00     | -19.083969      | 20          | PASS    |
|                |         |         | HV            | NT               | -80000.00      | -15.267176      | 20          | PASS    |
|                |         | 5745    | NV            | NT               | -100000.00     | -17.406440      | 20          | PASS    |
|                |         |         | LV            | NT               | -100000.00     | -17.406440      | 20          | PASS    |
|                |         |         | HV            | NT               | -100000.00     | -17.406440      | 20          | PASS    |
|                |         | 5785    | NV            | NT               | -80000.00      | -13.828868      | 20          | PASS    |
|                |         |         | LV            | NT               | -100000.00     | -17.286085      | 20          | PASS    |
|                |         |         | HV            | NT               | -100000.00     | -17.286085      | 20          | PASS    |
| 11AC40SIS<br>O | Ant1    | 5190    | NV            | NT               | -80000.00      | -15.414258      | 20          | PASS    |
|                |         |         | LV            | NT               | -80000.00      | -15.414258      | 20          | PASS    |
|                |         |         | HV            | NT               | -80000.00      | -15.414258      | 20          | PASS    |
|                |         | 5230    | NV            | NT               | -80000.00      | -15.296367      | 20          | PASS    |
|                |         |         | LV            | NT               | -80000.00      | -15.296367      | 20          | PASS    |
|                |         |         | HV            | NT               | -80000.00      | -15.296367      | 20          | PASS    |
|                |         | 5755    | NV            | NT               | -80000.00      | -13.900956      | 20          | PASS    |
|                |         |         | LV            | NT               | -80000.00      | -13.900956      | 20          | PASS    |
|                |         |         | HV            | NT               | -120000.00     | -13.900956      | 20          | PASS    |
| 11AC80SIS<br>O | Ant1    | 5210    | NV            | NT               | -80000.00      | -15.355086      | 20          | PASS    |
|                |         |         | LV            | NT               | -80000.00      | -15.355086      | 20          | PASS    |
|                |         |         | HV            | NT               | -80000.00      | -15.355086      | 20          | PASS    |
|                |         | 5775    | NV            | NT               | -80000.00      | -13.852814      | 20          | PASS    |
|                |         |         | LV            | NT               | 80000.00       | 13.852814       | 20          | PASS    |
|                |         |         | HV            | NT               | -80000.00      | -13.852814      | 20          | PASS    |

| Temperature    |         |         |               |                  |                |                 |             |         |
|----------------|---------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| TestMode       | Antenna | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 11AC20SIS<br>O | Ant1    | 5180    | NV            | 0                | -80000.00      | -15.444015      | 20          | PASS    |
|                |         |         | NV            | 10               | -60000.00      | -11.583012      | 20          | PASS    |
|                |         |         | NV            | 20               | -80000.00      | -15.444015      | 20          | PASS    |
|                |         |         | NV            | 30               | -80000.00      | -15.444015      | 20          | PASS    |
|                |         |         | NV            | 45               | -80000.00      | -15.444015      | 20          | PASS    |
|                |         | 5200    | NV            | 0                | -80000.00      | -15.384615      | 20          | PASS    |
|                |         |         | NV            | 10               | -60000.00      | -11.538462      | 20          | PASS    |
|                |         |         | NV            | 20               | -100000.00     | -19.230769      | 20          | PASS    |
|                |         |         | NV            | 30               | -80000.00      | -15.384615      | 20          | PASS    |
|                |         |         | NV            | 45               | -100000.00     | -19.230769      | 20          | PASS    |
|                |         | 5240    | NV            | 0                | -80000.00      | -15.267176      | 20          | PASS    |
|                |         |         | NV            | 10               | -80000.00      | -15.267176      | 20          | PASS    |
|                |         |         | NV            | 20               | -80000.00      | -15.267176      | 20          | PASS    |
|                |         |         | NV            | 30               | -80000.00      | -15.267176      | 20          | PASS    |
|                |         |         | NV            | 45               | -80000.00      | -15.267176      | 20          | PASS    |
|                |         | 5745    | NV            | 0                | -60000.00      | -10.443864      | 20          | PASS    |
|                |         |         | NV            | 10               | -100000.00     | -17.406440      | 20          | PASS    |
|                |         |         | NV            | 20               | -100000.00     | -17.406440      | 20          | PASS    |
|                |         |         | NV            | 30               | -100000.00     | -17.406440      | 20          | PASS    |
|                |         |         | NV            | 45               | -80000.00      | -13.925152      | 20          | PASS    |
|                |         | 5785    | NV            | 0                | -100000.00     | -17.286085      | 20          | PASS    |
|                |         |         | NV            | 10               | -60000.00      | -10.371651      | 20          | PASS    |
|                |         |         | NV            | 20               | -80000.00      | -13.828868      | 20          | PASS    |
|                |         |         | NV            | 30               | -80000.00      | -13.828868      | 20          | PASS    |
|                |         |         | NV            | 45               | -80000.00      | -13.828868      | 20          | PASS    |
|                |         | 5825    | NV            | 0                | -100000.00     | -17.167382      | 20          | PASS    |
|                |         |         | NV            | 10               | -100000.00     | -17.167382      | 20          | PASS    |
|                |         |         | NV            | 20               | -100000.00     | -17.167382      | 20          | PASS    |
|                |         |         | NV            | 30               | -80000.00      | -13.733906      | 20          | PASS    |
|                |         |         | NV            | 45               | -100000.00     | -17.167382      | 20          | PASS    |
| 11AC40SIS<br>O | Ant1    | 5190    | NV            | 0                | -80000.00      | -15.414258      | 20          | PASS    |
|                |         |         | NV            | 10               | -80000.00      | -15.414258      | 20          | PASS    |
|                |         |         | NV            | 20               | -80000.00      | -15.414258      | 20          | PASS    |
|                |         |         | NV            | 30               | -80000.00      | -15.414258      | 20          | PASS    |
|                |         |         | NV            | 45               | -80000.00      | -15.414258      | 20          | PASS    |
|                |         | 5230    | NV            | 0                | -80000.00      | -15.296367      | 20          | PASS    |
|                |         |         | NV            | 10               | -80000.00      | -15.296367      | 20          | PASS    |
|                |         |         | NV            | 20               | -80000.00      | -15.296367      | 20          | PASS    |
|                |         |         | NV            | 30               | -80000.00      | -15.296367      | 20          | PASS    |
|                |         |         | NV            | 45               | -80000.00      | -15.296367      | 20          | PASS    |
|                |         | 5755    | NV            | 0                | -80000.00      | -13.900956      | 20          | PASS    |

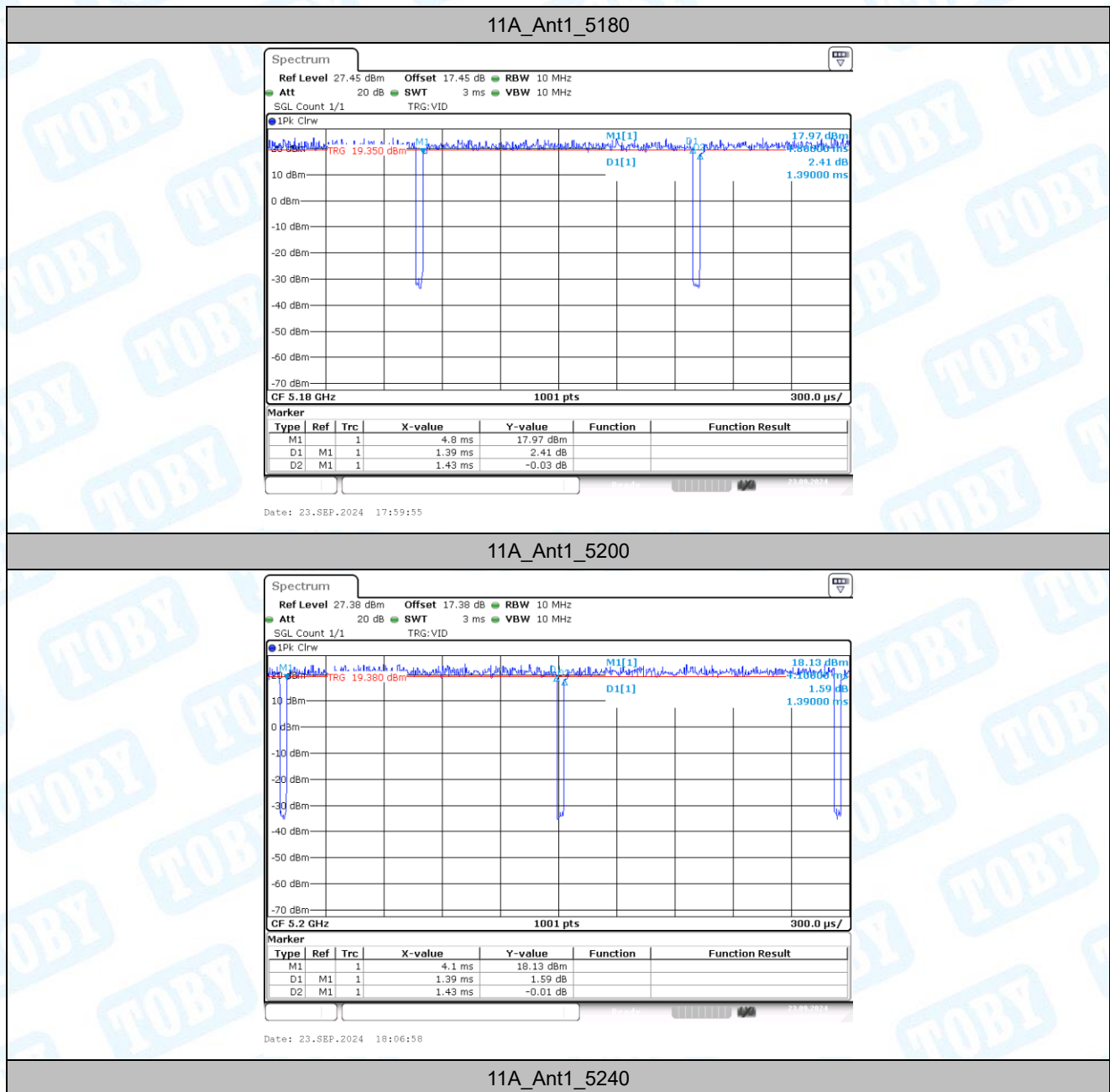
|                |      |      |    |    |            |            |    |      |
|----------------|------|------|----|----|------------|------------|----|------|
| 11AC80SIS<br>O | Ant1 |      | NV | 10 | -80000.00  | -13.900956 | 20 | PASS |
|                |      |      | NV | 20 | -80000.00  | -13.900956 | 20 | PASS |
|                |      |      | NV | 30 | -80000.00  | -13.900956 | 20 | PASS |
|                |      |      | NV | 45 | -120000.00 | -13.900956 | 20 | PASS |
|                |      | 5795 | NV | 0  | -200000.00 | -14.512511 | 20 | PASS |
|                |      |      | NV | 10 | -80000.00  | -13.805004 | 20 | PASS |
|                |      |      | NV | 20 | -120000.00 | -18.707506 | 20 | PASS |
|                |      |      | NV | 30 | -120000.00 | -18.707506 | 20 | PASS |
|                |      |      | NV | 45 | -120000.00 | -18.707506 | 20 | PASS |
|                |      | 5210 | NV | 0  | -80000.00  | -15.355086 | 20 | PASS |
|                |      |      | NV | 10 | -80000.00  | -15.355086 | 20 | PASS |
|                |      |      | NV | 20 | -80000.00  | -15.355086 | 20 | PASS |
|                |      |      | NV | 30 | -80000.00  | -15.355086 | 20 | PASS |
|                |      |      | NV | 45 | -80000.00  | -15.355086 | 20 | PASS |
|                |      | 5775 | NV | 0  | -80000.00  | -13.852814 | 20 | PASS |
|                |      |      | NV | 10 | -80000.00  | -13.852814 | 20 | PASS |
|                |      |      | NV | 20 | -80000.00  | -13.852814 | 20 | PASS |
|                |      |      | NV | 30 | -80000.00  | -13.852814 | 20 | PASS |
|                |      |      | NV | 45 | -80000.00  | -13.852814 | 20 | PASS |

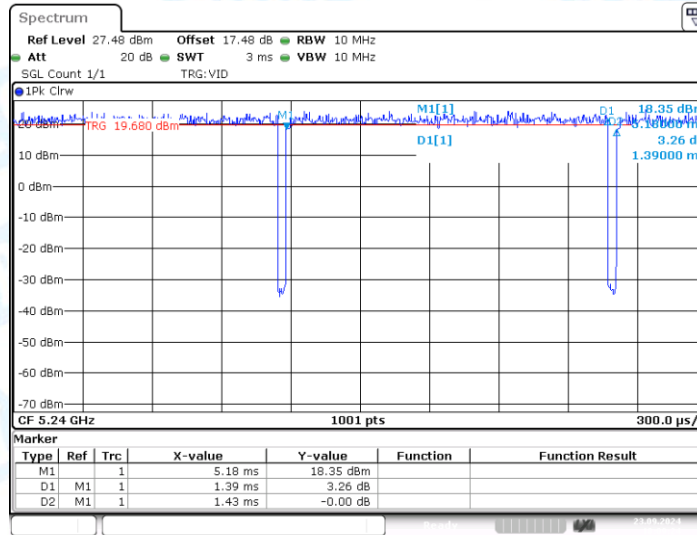
## 10. Duty Cycle

### 10.1. Test Result

| TestMode   | Antenna | Channel | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Limit | Verdict |
|------------|---------|---------|----------------------------|--------------------------|----------------|-------|---------|
| 11A        | Ant1    | 5180    | 1.39                       | 1.43                     | 97.20          | ---   | ---     |
|            |         | 5200    | 1.39                       | 1.43                     | 97.20          | ---   | ---     |
|            |         | 5240    | 1.39                       | 1.43                     | 97.20          | ---   | ---     |
|            |         | 5745    | 1.39                       | 1.43                     | 97.20          | ---   | ---     |
|            |         | 5785    | 1.39                       | 1.43                     | 97.20          | ---   | ---     |
|            |         | 5825    | 1.39                       | 1.43                     | 97.20          | ---   | ---     |
| 11N20SISO  | Ant1    | 5180    | 1.30                       | 1.34                     | 97.01          | ---   | ---     |
|            |         | 5200    | 1.31                       | 1.34                     | 97.76          | ---   | ---     |
|            |         | 5240    | 1.30                       | 1.33                     | 97.74          | ---   | ---     |
|            |         | 5745    | 1.30                       | 1.33                     | 97.74          | ---   | ---     |
|            |         | 5785    | 1.30                       | 1.33                     | 97.74          | ---   | ---     |
|            |         | 5825    | 1.30                       | 1.34                     | 97.01          | ---   | ---     |
| 11N40SISO  | Ant1    | 5190    | 0.64                       | 0.68                     | 94.12          | ---   | ---     |
|            |         | 5230    | 0.65                       | 0.68                     | 95.59          | ---   | ---     |
|            |         | 5755    | 0.65                       | 0.69                     | 94.20          | ---   | ---     |
|            |         | 5795    | 0.64                       | 0.68                     | 94.12          | ---   | ---     |
| 11AC20SISO | Ant1    | 5180    | 1.31                       | 1.35                     | 97.04          | ---   | ---     |
|            |         | 5200    | 1.32                       | 1.35                     | 97.78          | ---   | ---     |
|            |         | 5240    | 1.32                       | 1.35                     | 97.78          | ---   | ---     |
|            |         | 5745    | 1.31                       | 1.35                     | 97.04          | ---   | ---     |
|            |         | 5785    | 1.31                       | 1.35                     | 97.04          | ---   | ---     |
|            |         | 5825    | 1.31                       | 1.35                     | 97.04          | ---   | ---     |
| 11AC40SISO | Ant1    | 5190    | 0.65                       | 0.69                     | 94.20          | ---   | ---     |
|            |         | 5230    | 0.65                       | 0.69                     | 94.20          | ---   | ---     |
|            |         | 5755    | 0.65                       | 0.68                     | 95.59          | ---   | ---     |
|            |         | 5795    | 0.65                       | 0.69                     | 94.20          | ---   | ---     |
| 11AC80SISO | Ant1    | 5210    | 0.32                       | 0.36                     | 88.89          | ---   | ---     |
|            |         | 5775    | 0.33                       | 0.36                     | 91.67          | ---   | ---     |

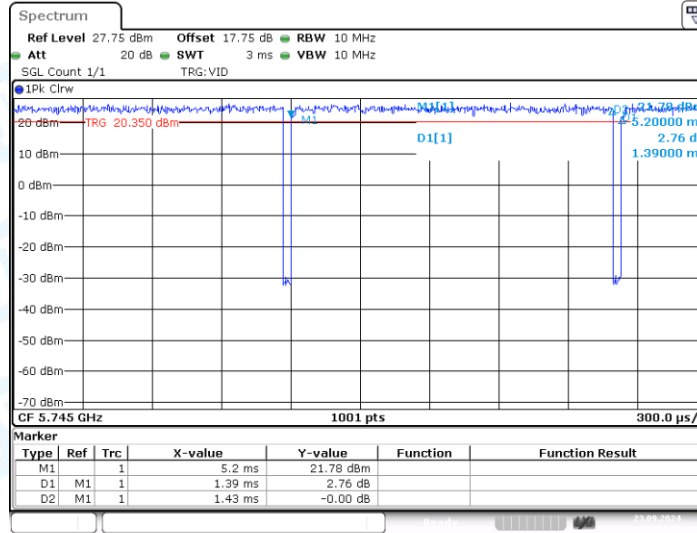
## 10.2. Test Graphs





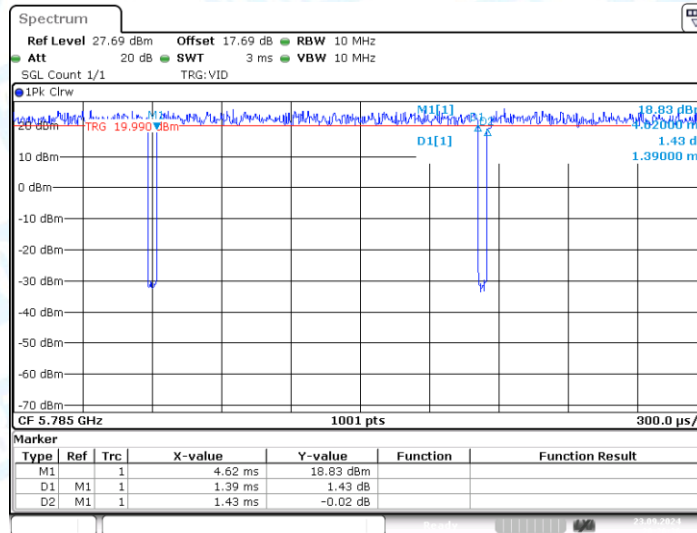
Date: 23.SEP.2024 18:09:23

### 11A\_Ant1\_5745



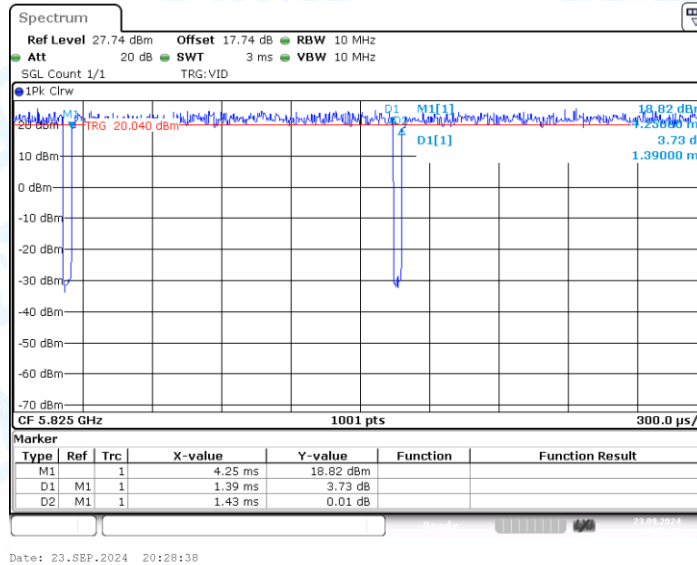
Date: 23.SEP.2024 19:54:41

### 11A\_Ant1\_5785

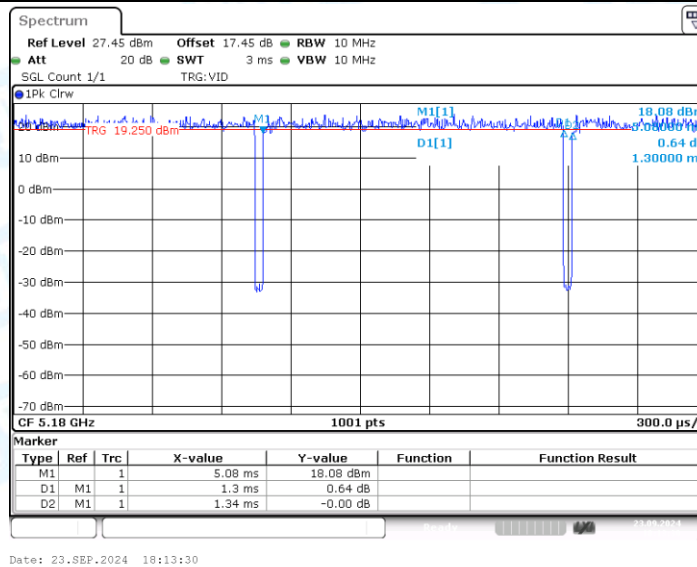


Date: 23.SEP.2024 20:26:36

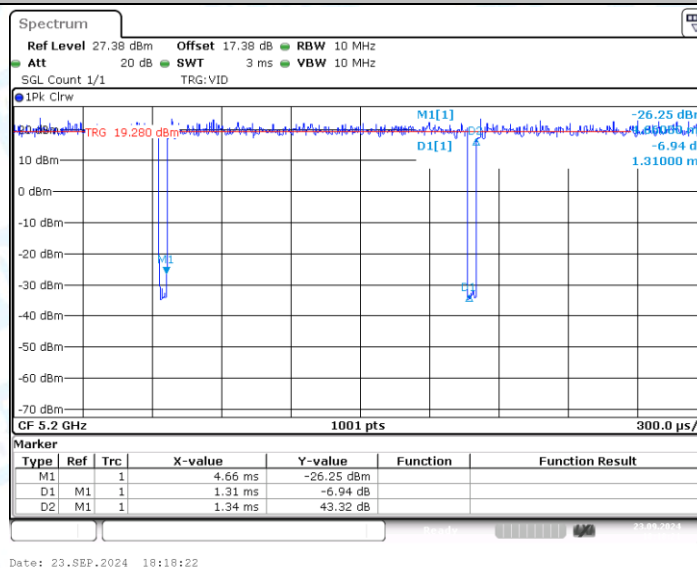
### 11A\_Ant1\_5825



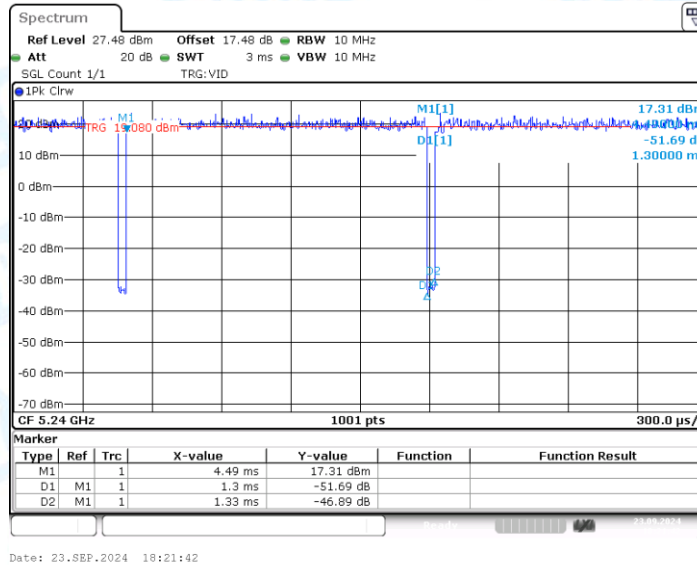
11N20SISO\_Ant1\_5180



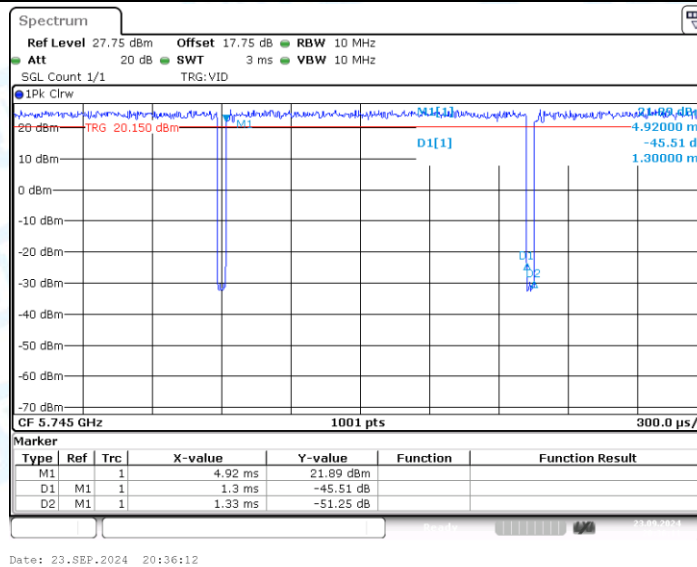
11N20SISO\_Ant1\_5200



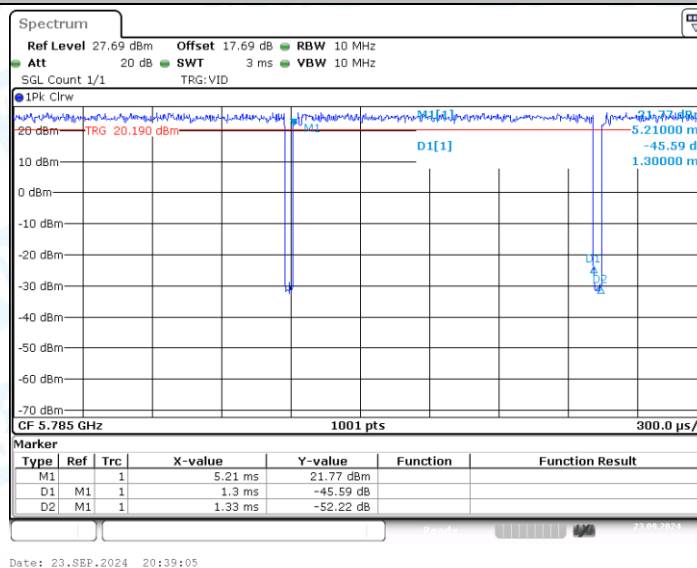
11N20SISO\_Ant1\_5240



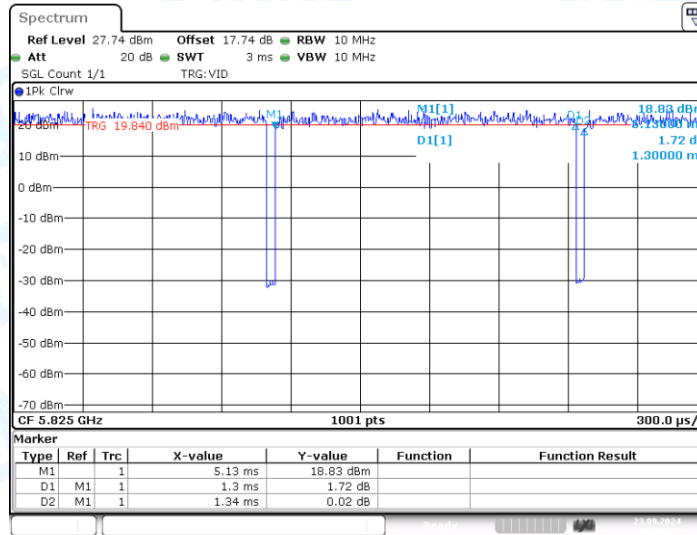
11N20SISO\_Ant1\_5745



11N20SISO\_Ant1\_5785

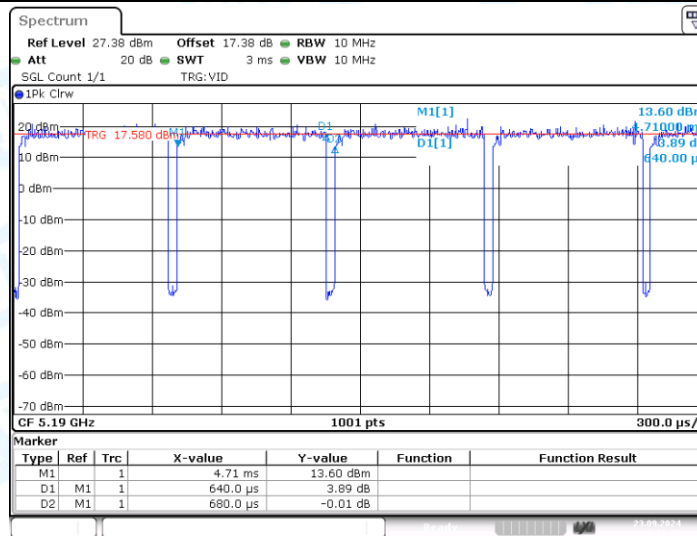


11N20SISO\_Ant1\_5825



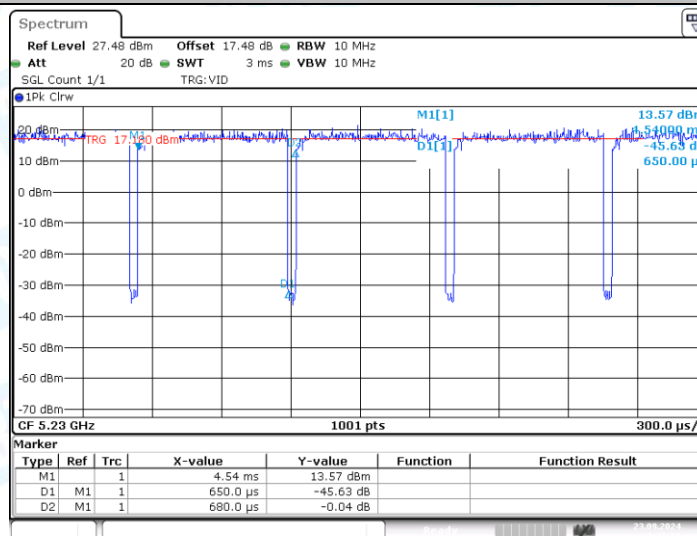
Date: 23.SEP.2024 20:40:39

### 11N40SISO\_Ant1\_5190



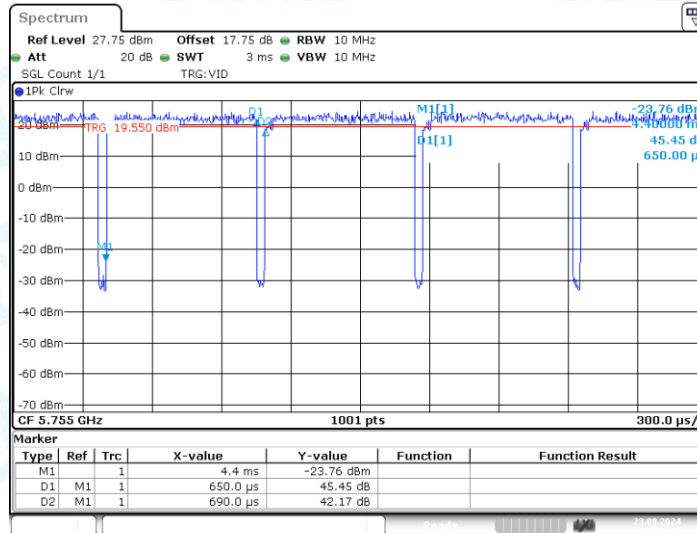
Date: 23.SEP.2024 18:26:58

### 11N40SISO\_Ant1\_5230



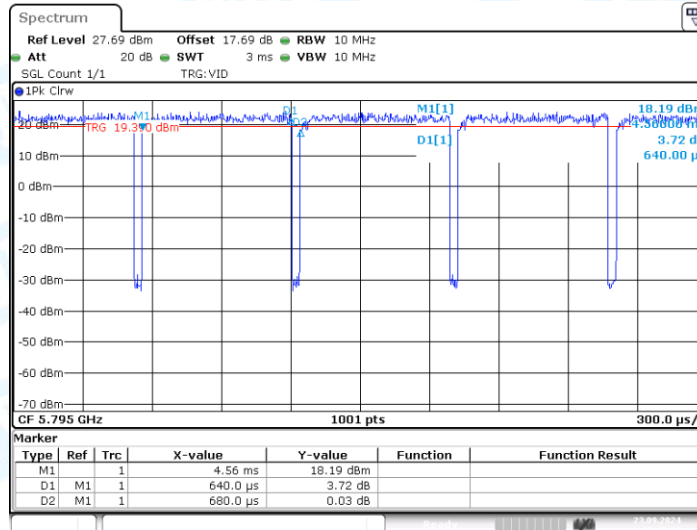
Date: 23.SEP.2024 18:26:57

### 11N40SISO\_Ant1\_5755



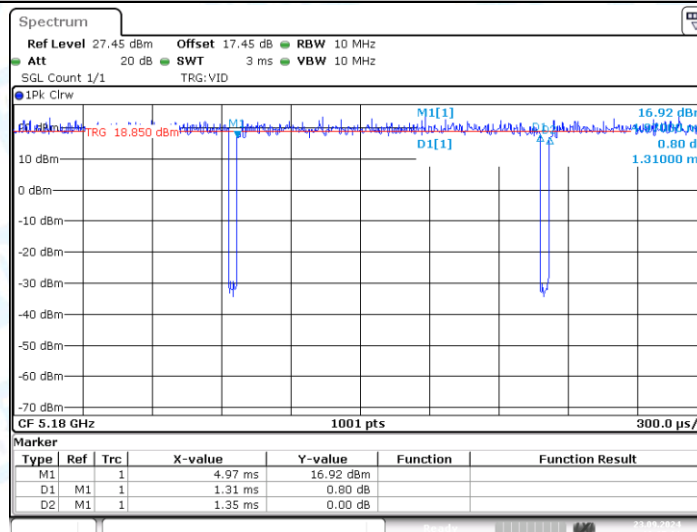
Date: 23.SEP.2024 20:43:31

### 11N40SISO\_Ant1\_5795



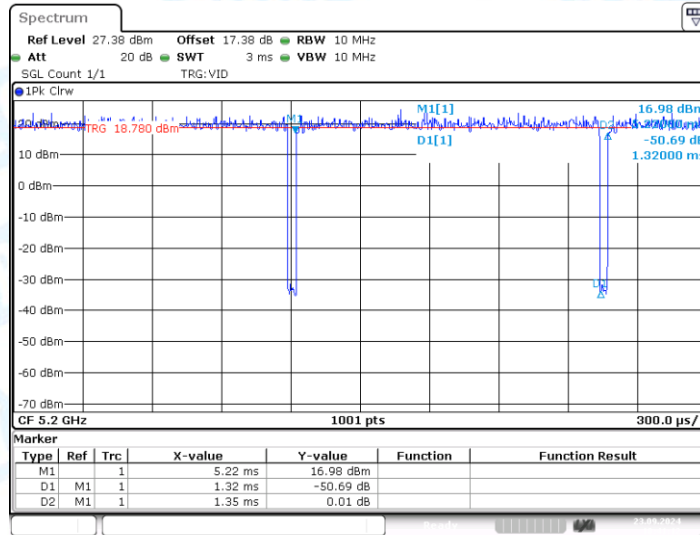
Date: 23.SEP.2024 20:49:16

### 11AC20SISO\_Ant1\_5180



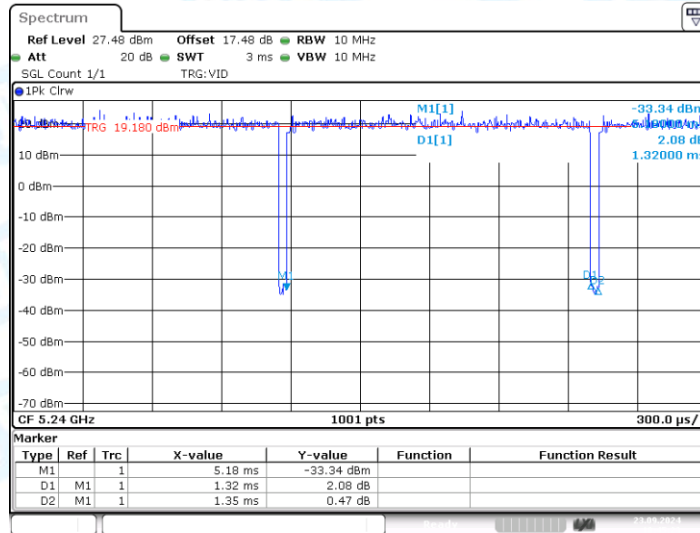
Date: 23.SEP.2024 18:35:31

### 11AC20SISO\_Ant1\_5200



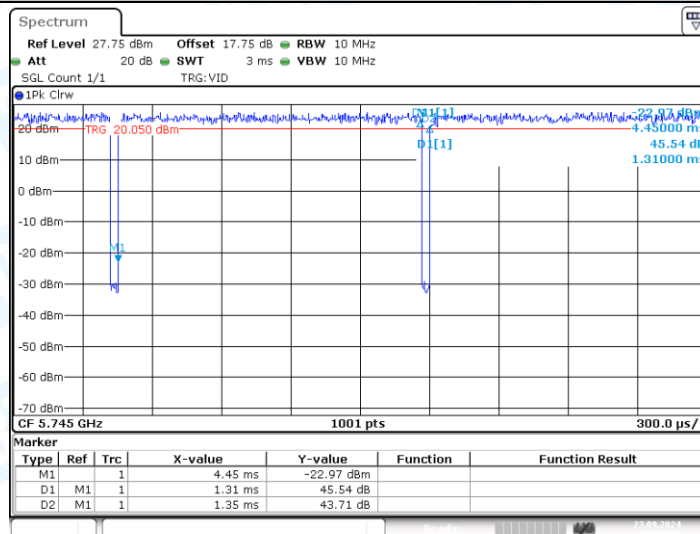
Date: 23.SEP.2024 18:41:11

### 11AC20SISO\_Ant1\_5240



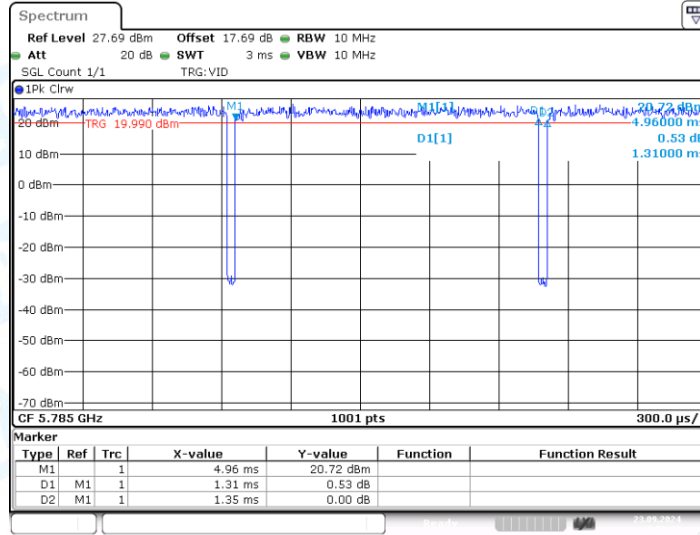
Date: 23.SEP.2024 18:45:23

### 11AC20SISO\_Ant1\_5745



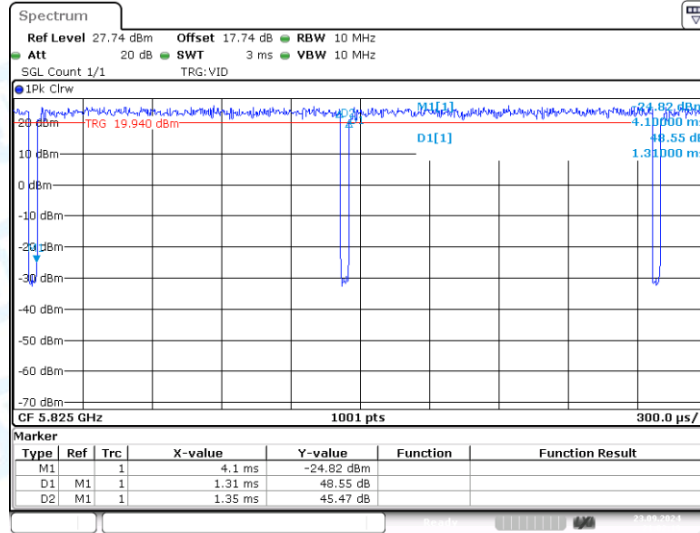
Date: 23.SEP.2024 20:52:50

### 11AC20SISO\_Ant1\_5785



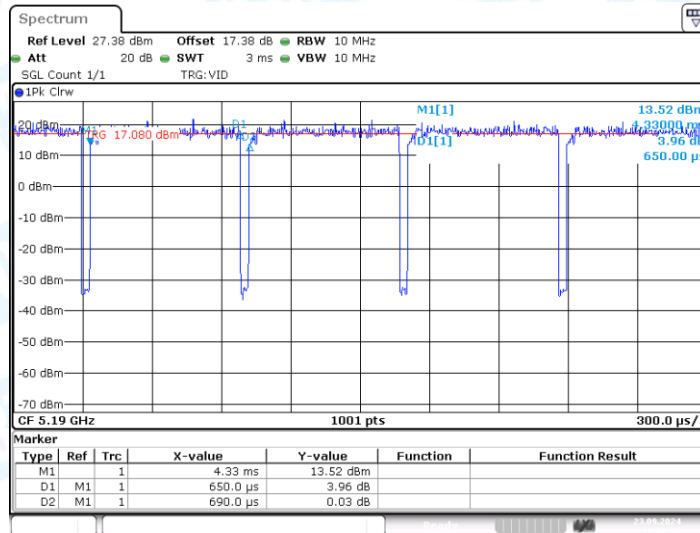
Date: 23.SEP.2024 20:58:17

### 11AC20SISO\_Ant1\_5825



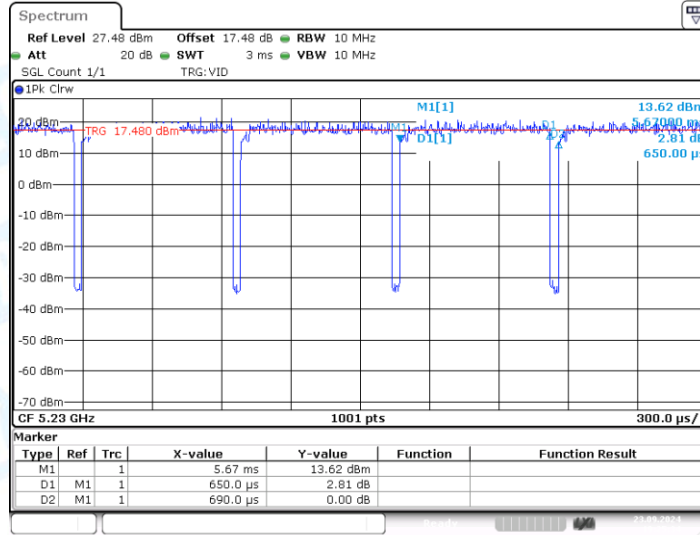
Date: 23.SEP.2024 21:02:18

### 11AC40SISO\_Ant1\_5190



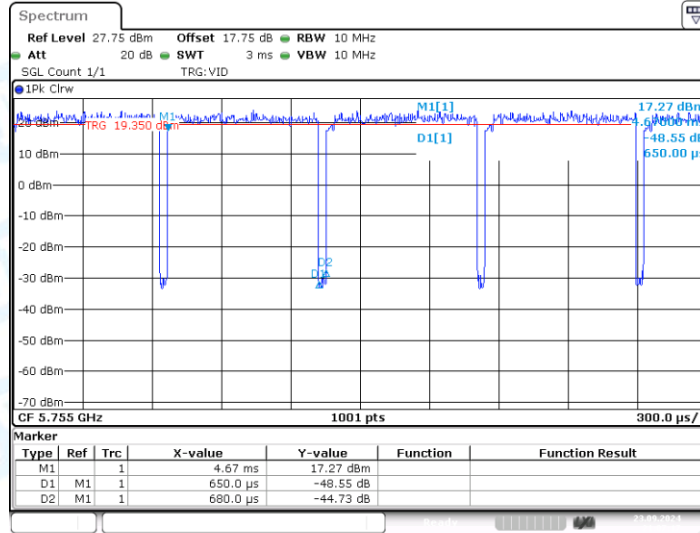
Date: 23.SEP.2024 19:19:40

### 11AC40SISO\_Ant1\_5230



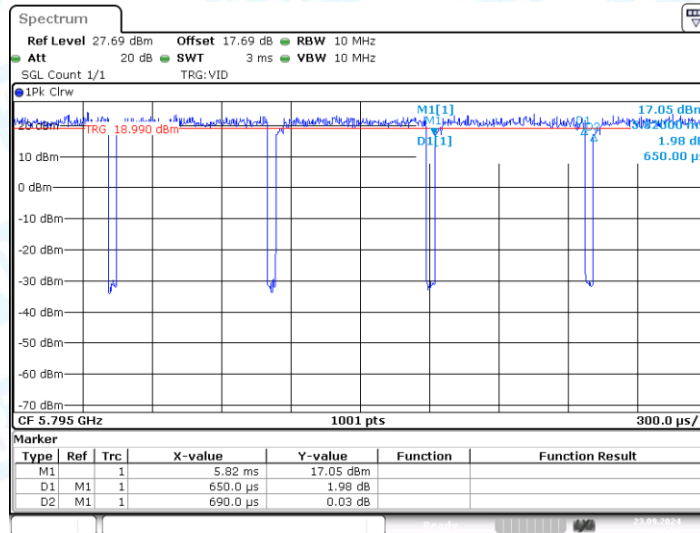
Date: 23.SEP.2024 19:25:33

### 11AC40SISO\_Ant1\_5755



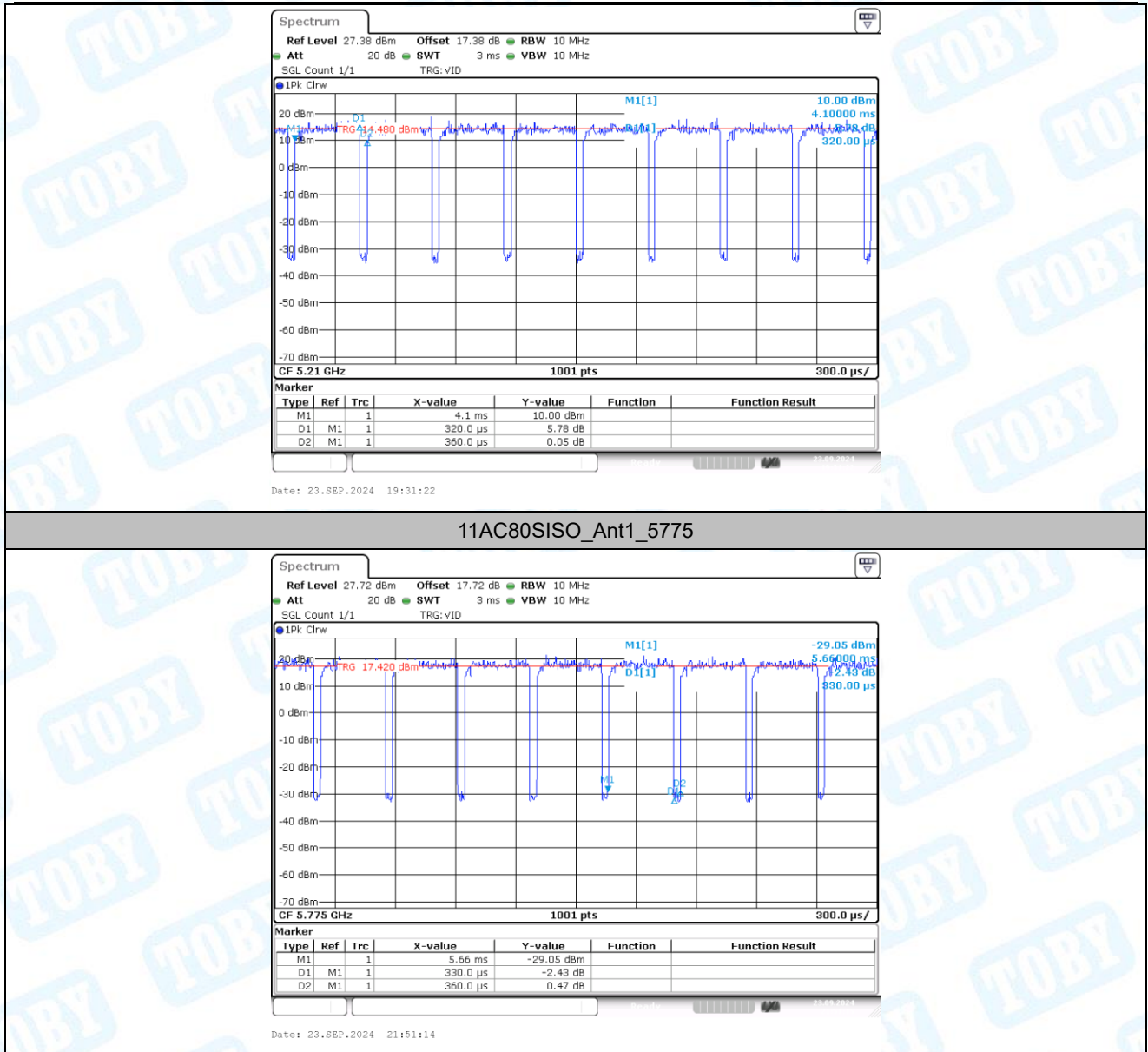
Date: 23.SEP.2024 21:07:18

### 11AC40SISO\_Ant1\_5795



Date: 23.SEP.2024 21:35:52

### 11AC80SISO\_Ant1\_5210



-----End of the report-----