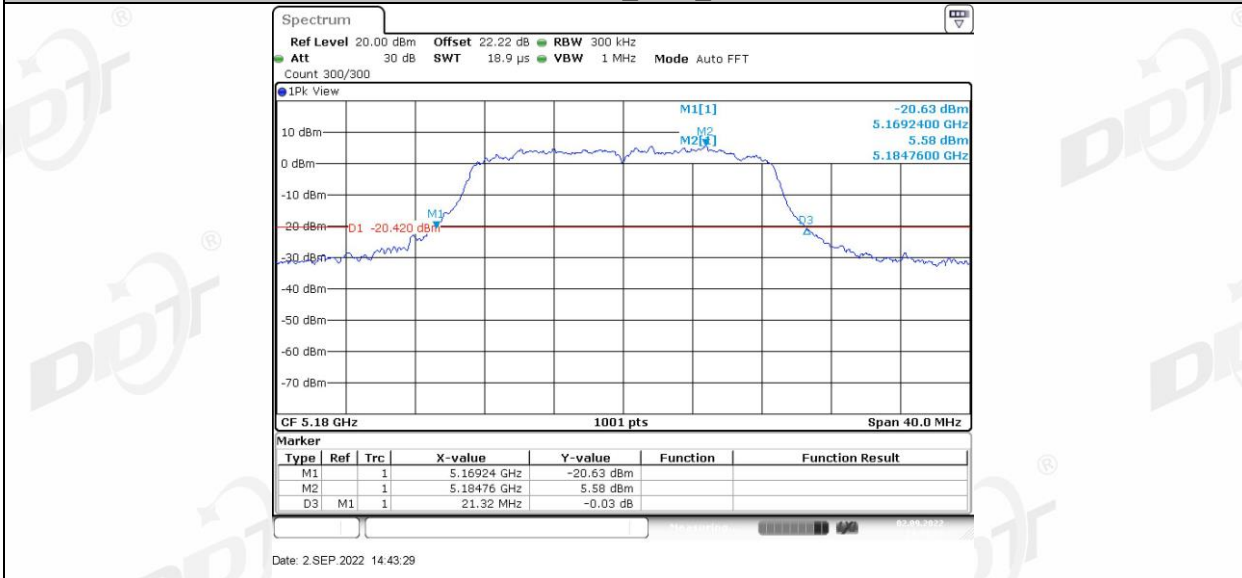
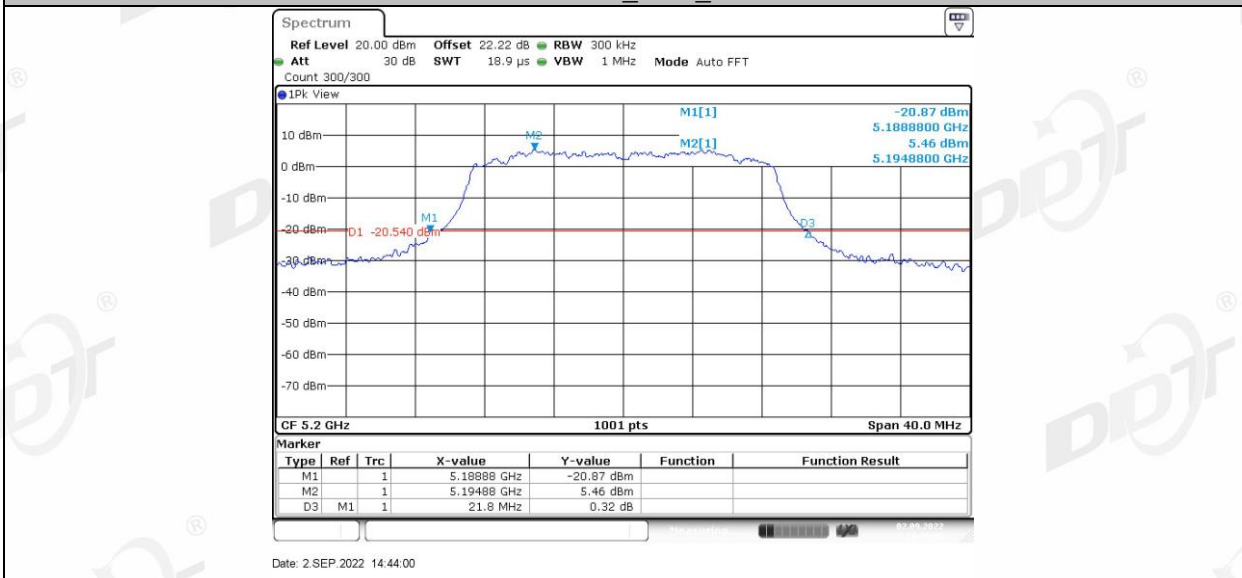


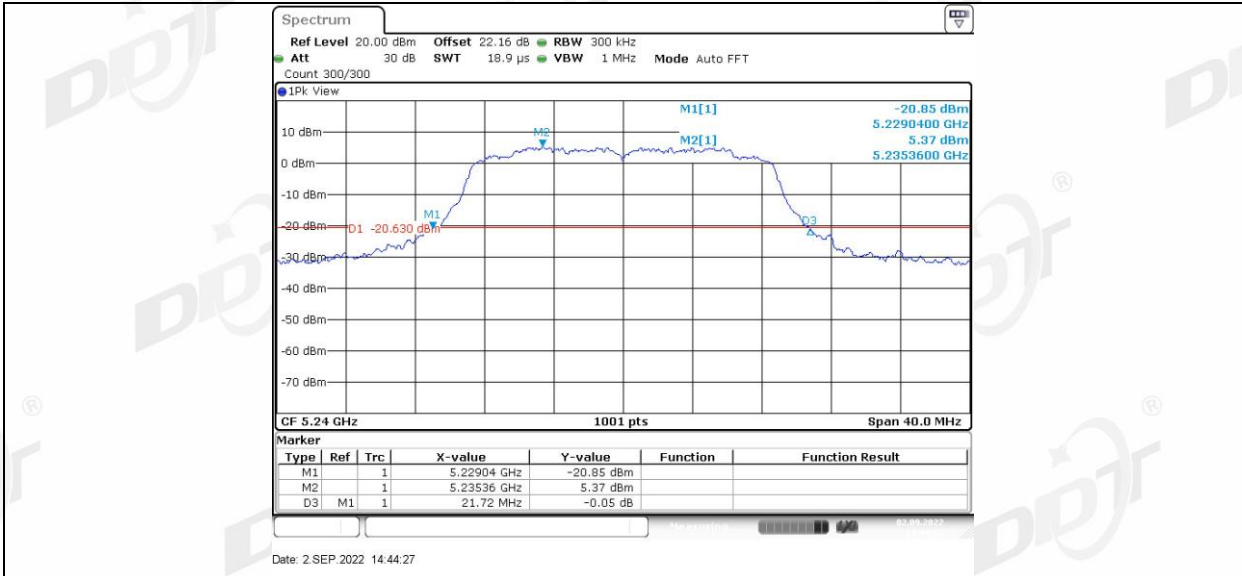
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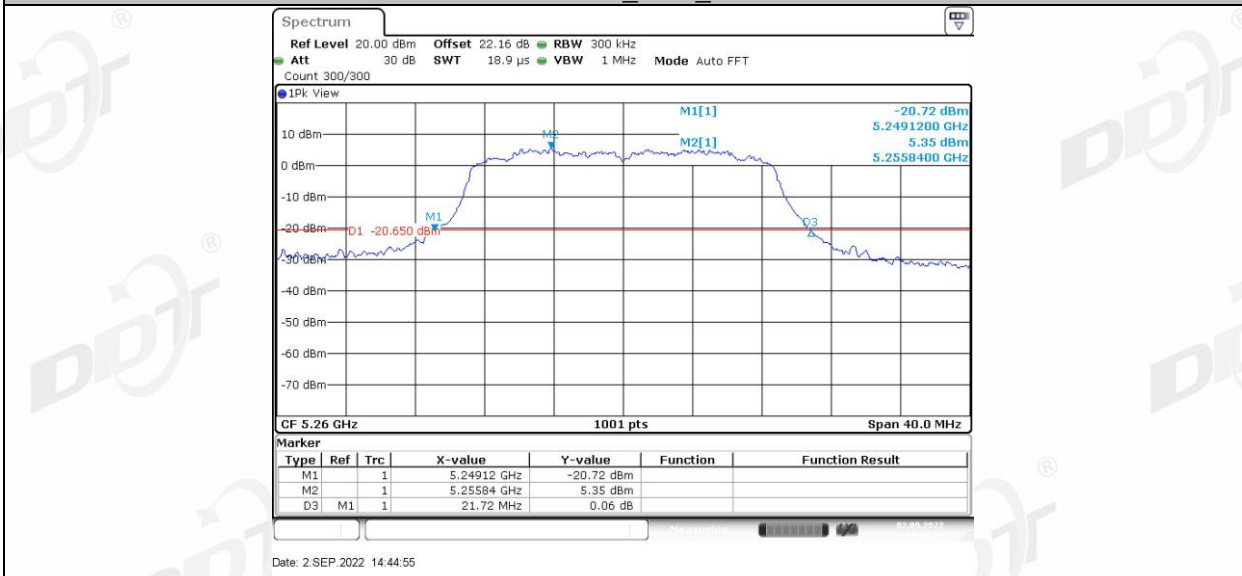
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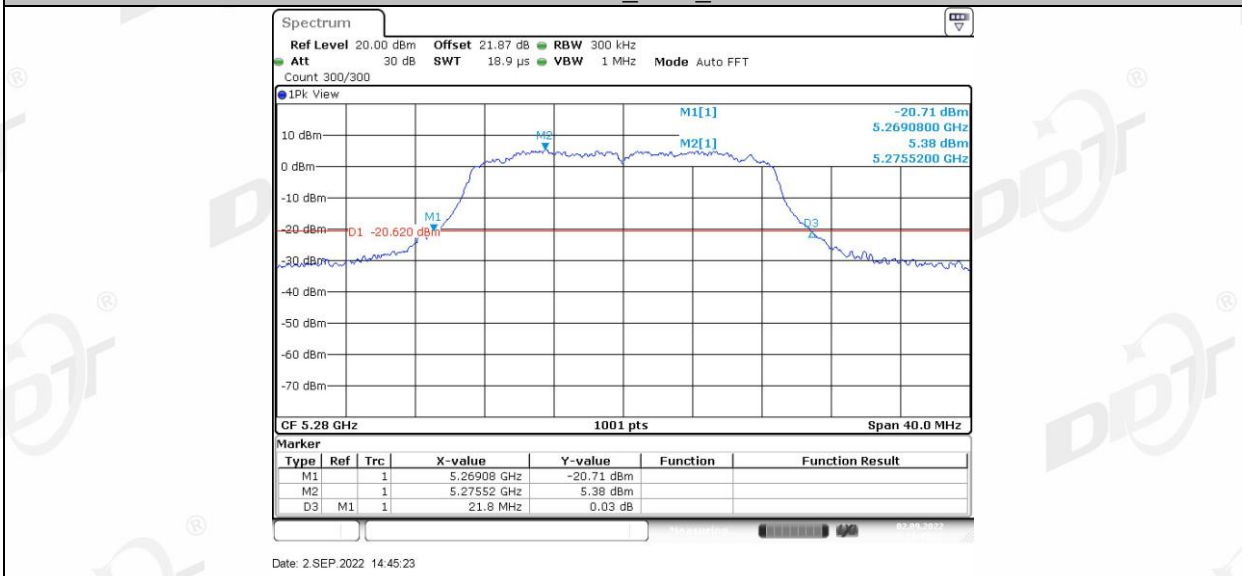
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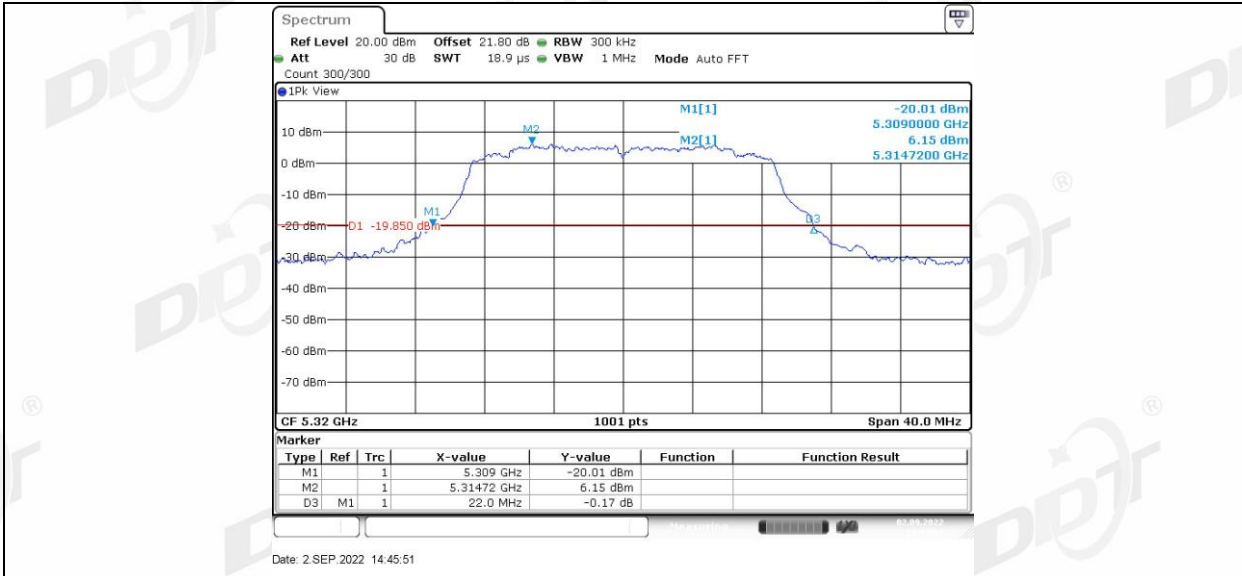
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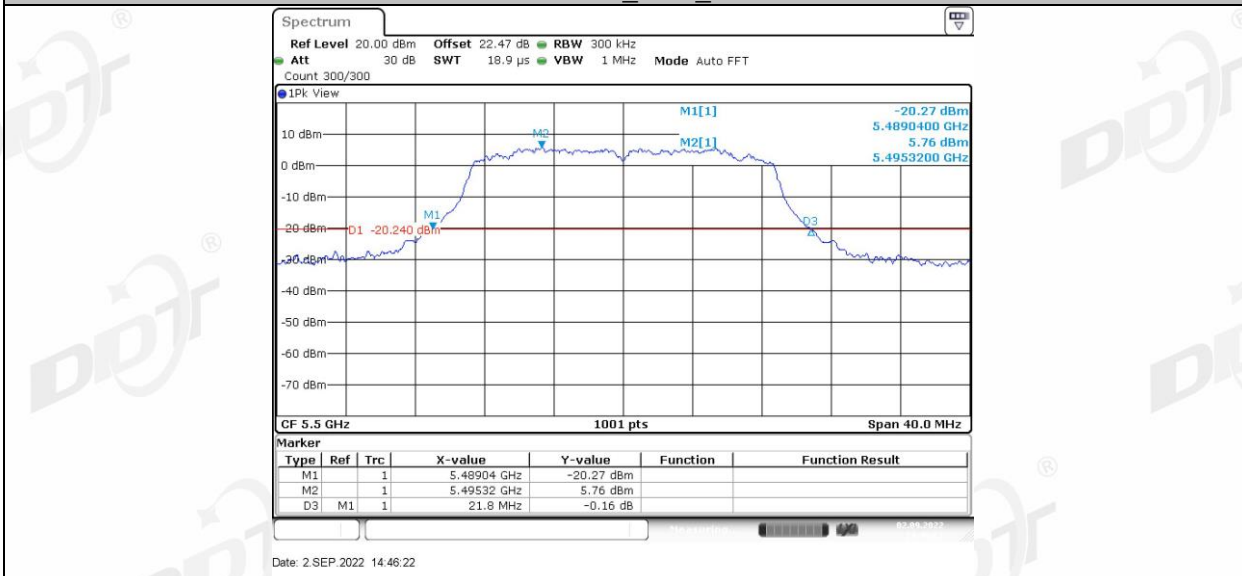
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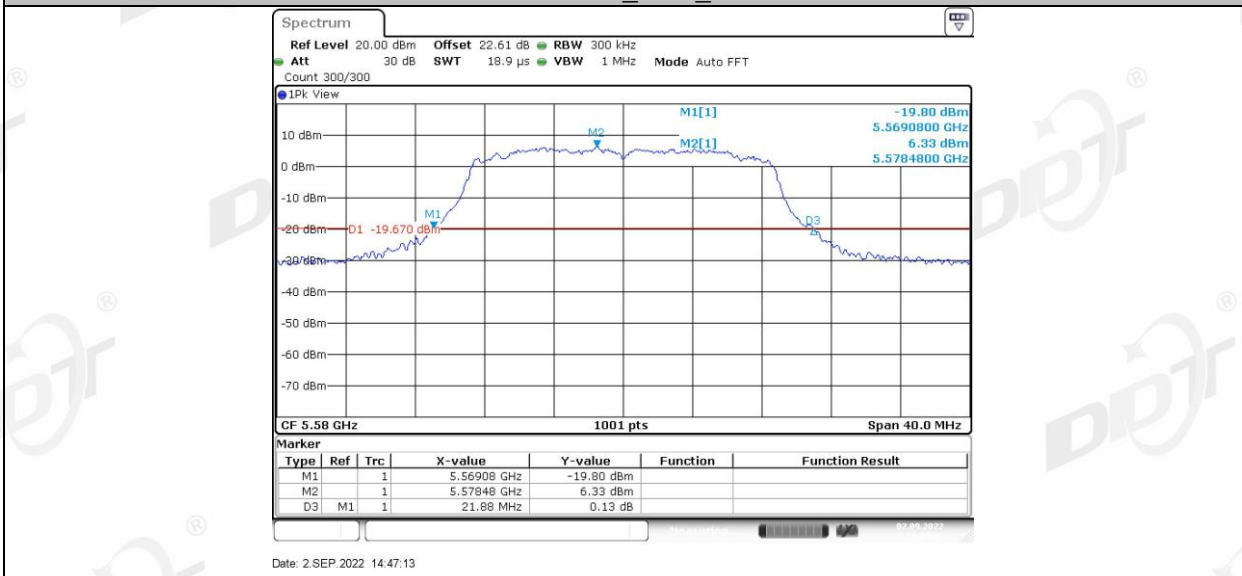
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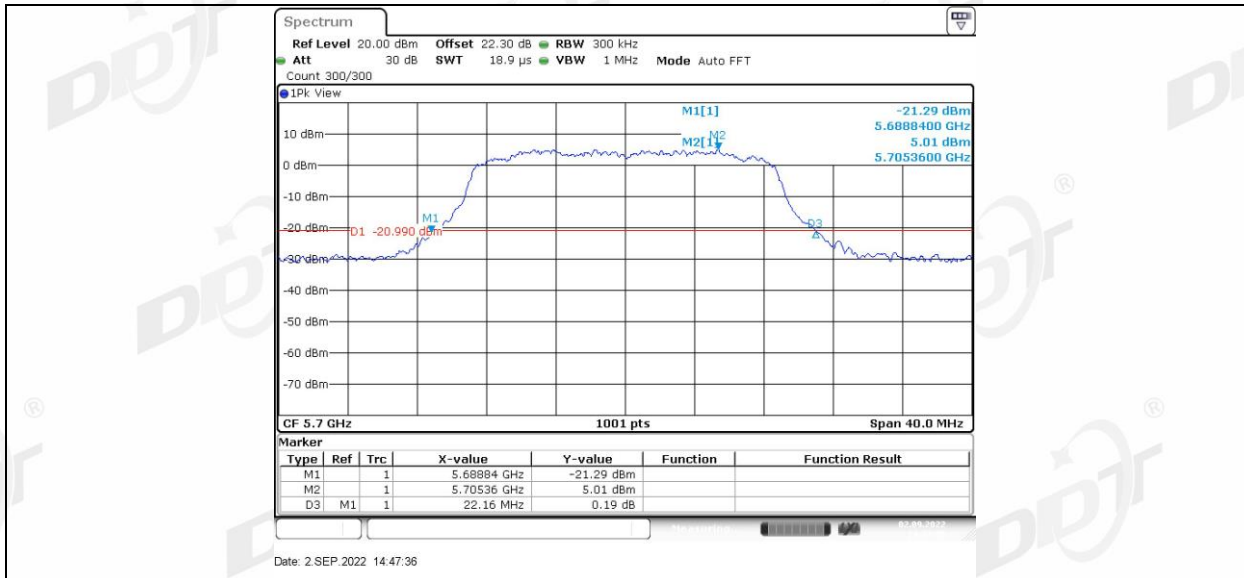
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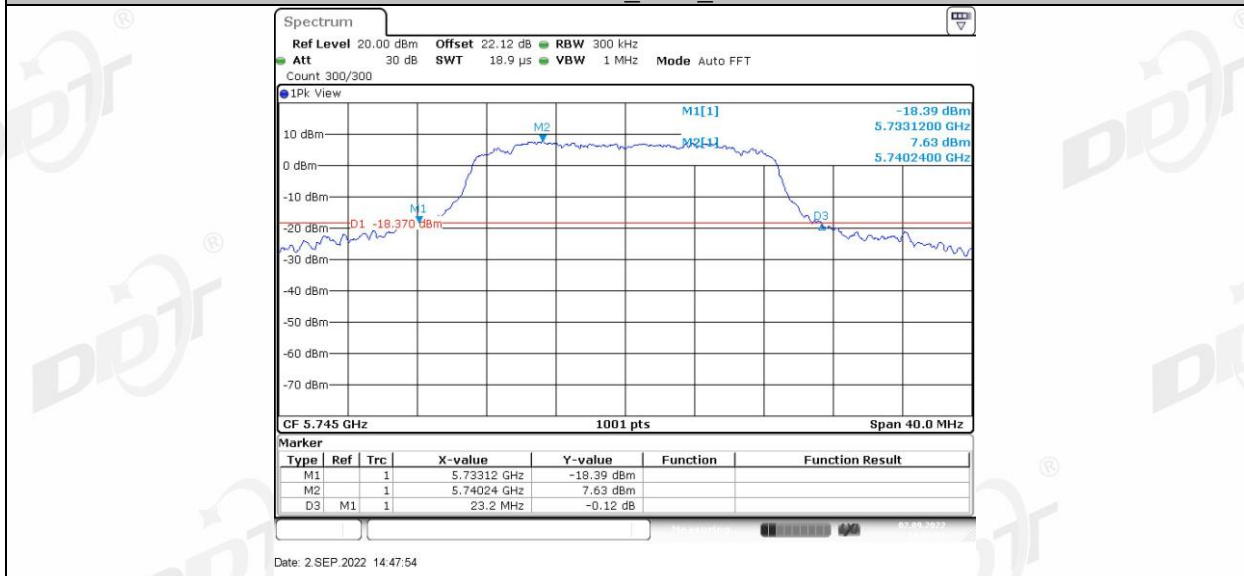
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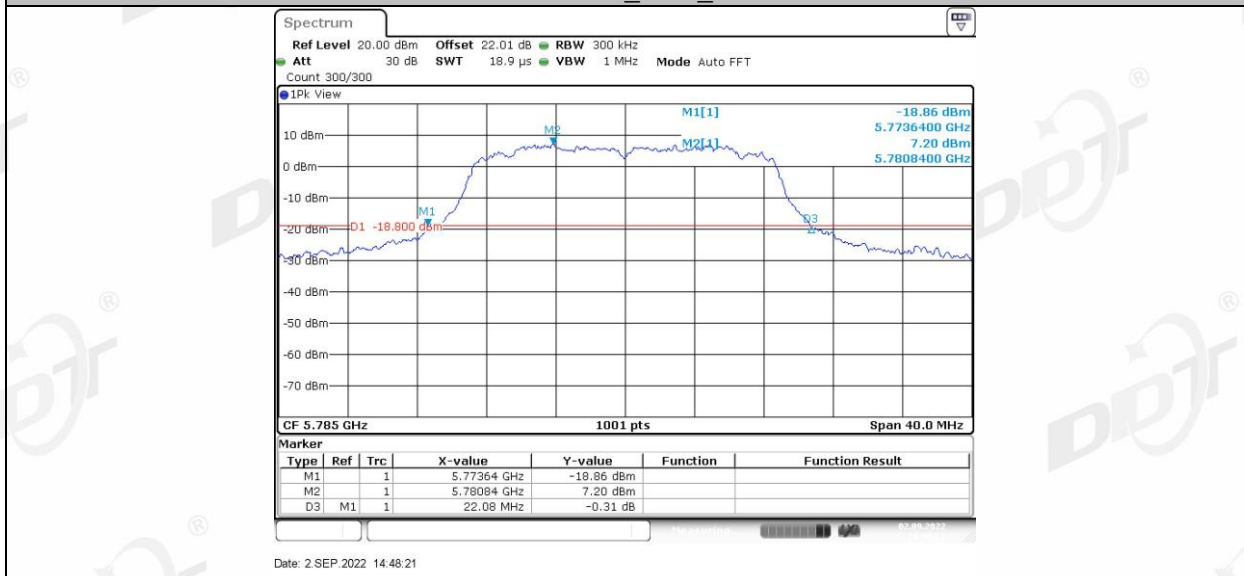
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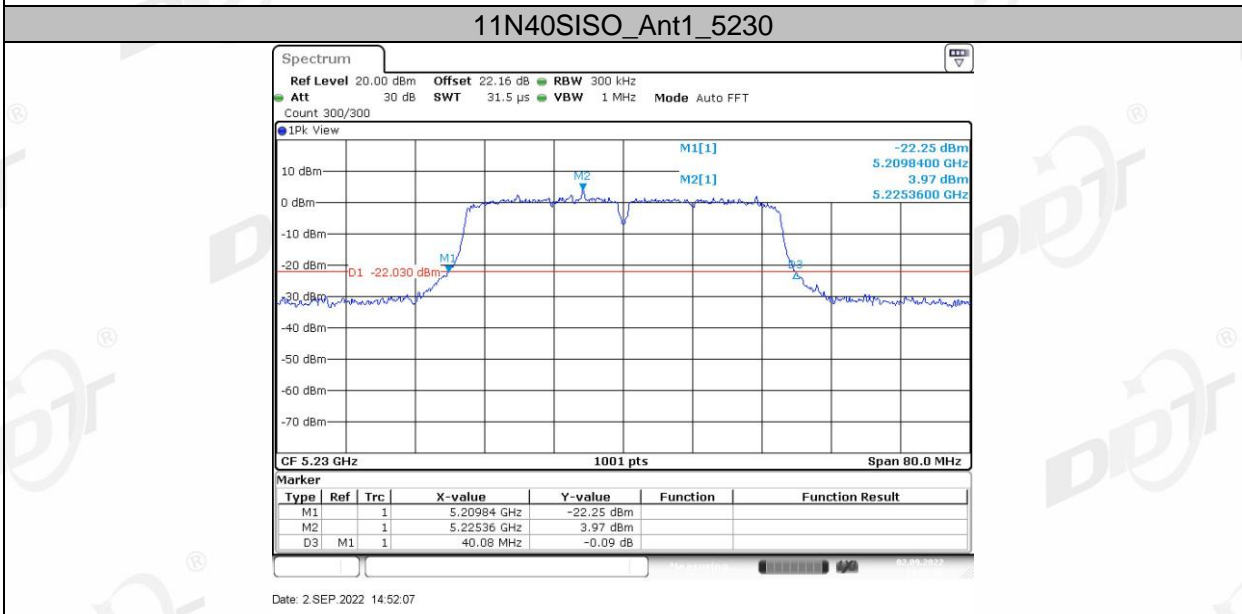
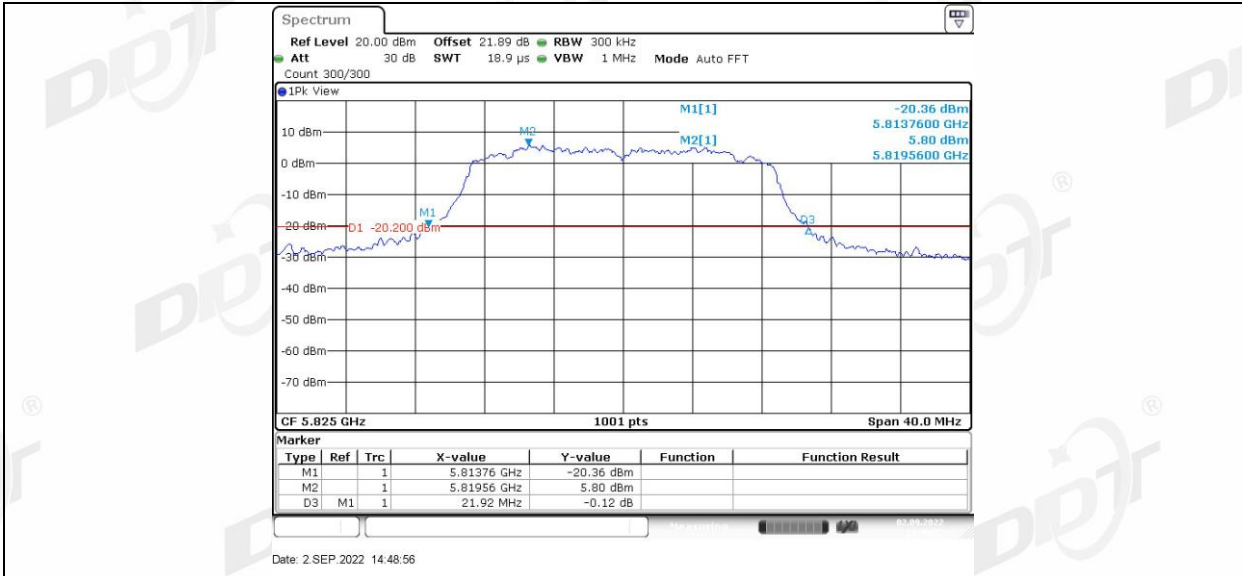
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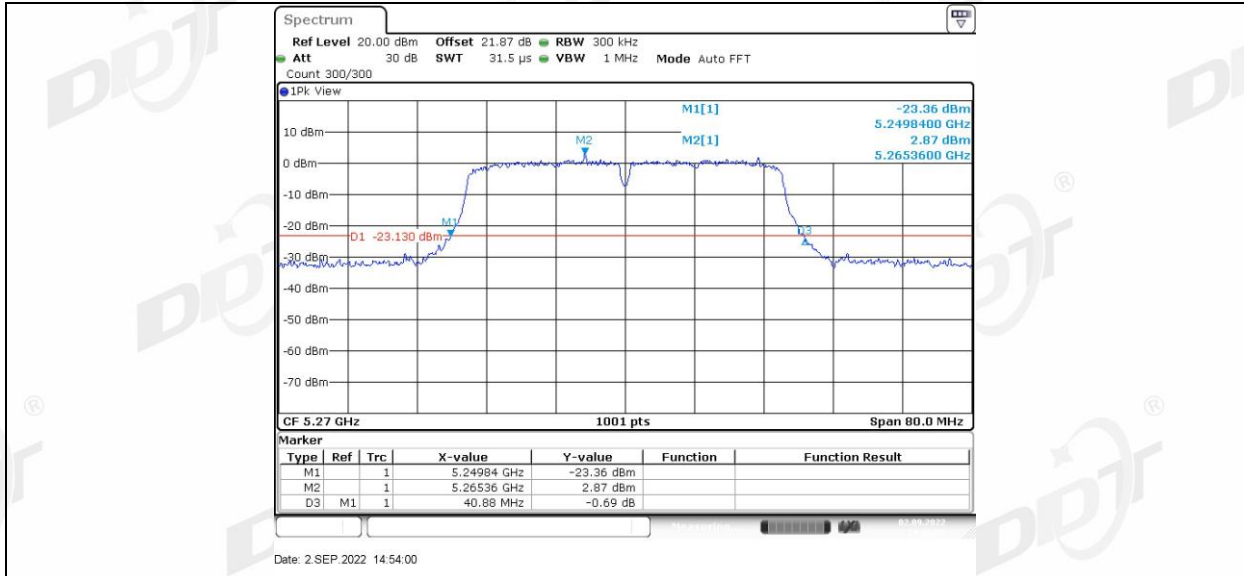


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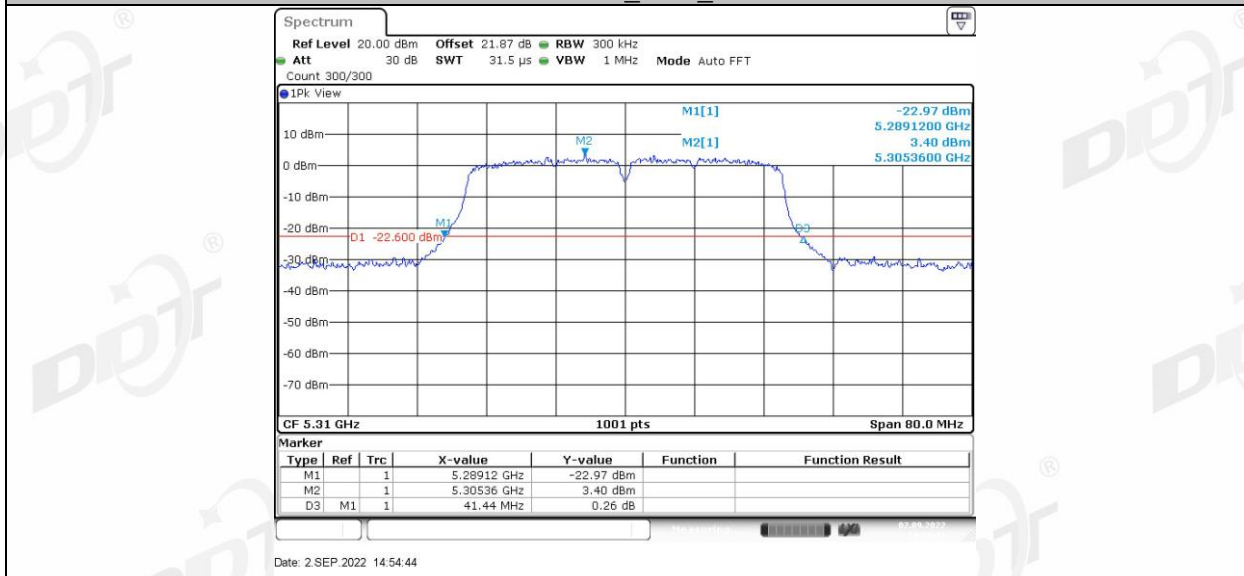


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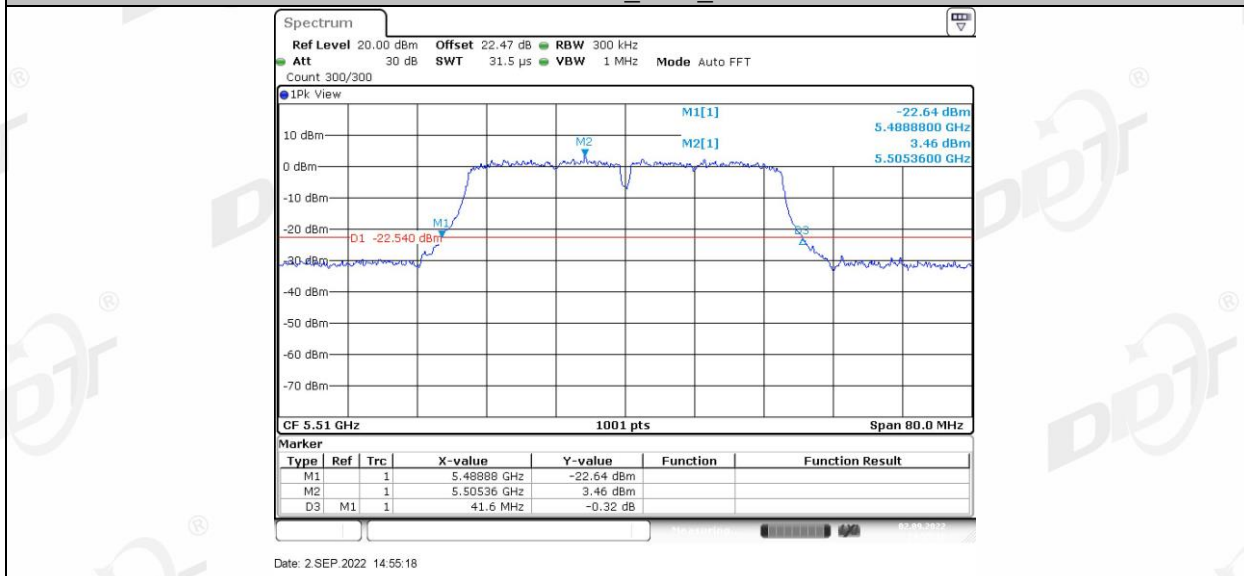




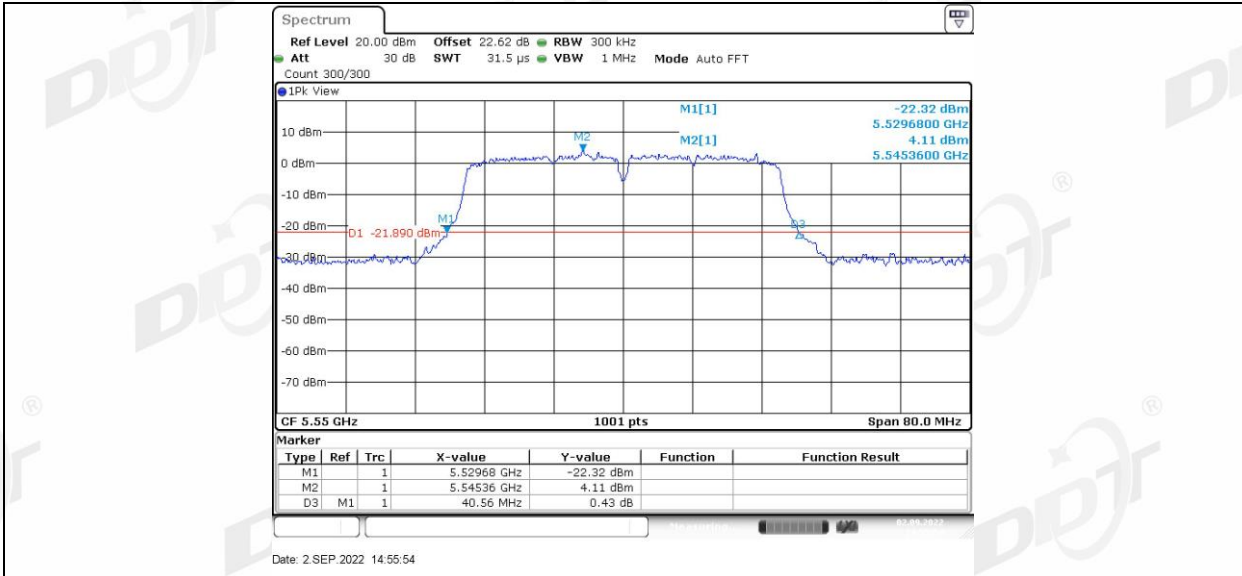
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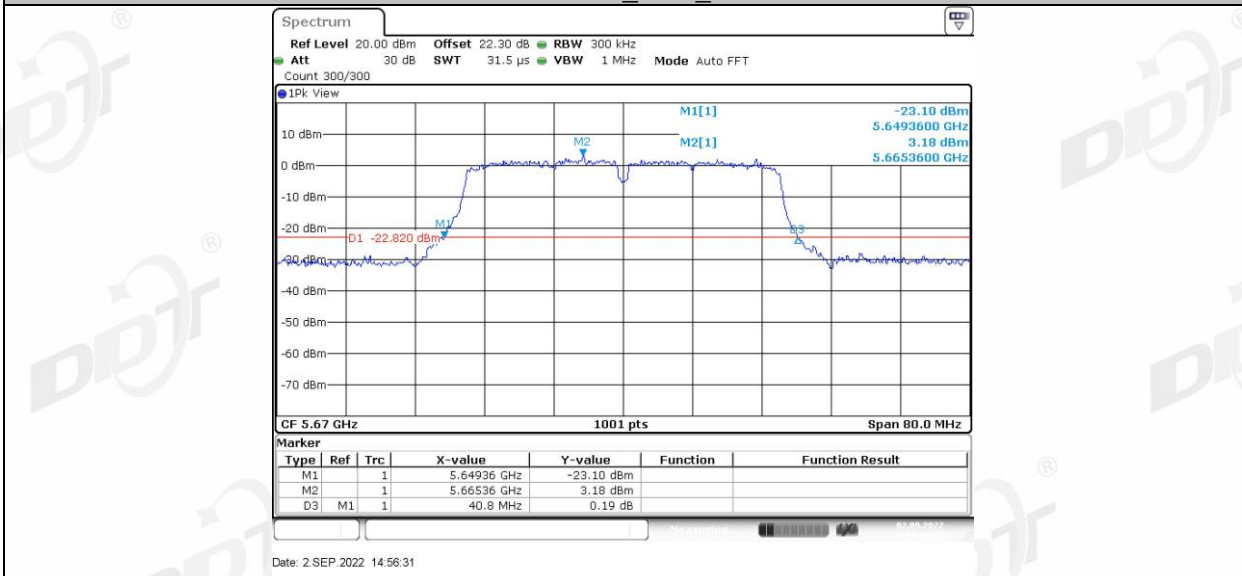
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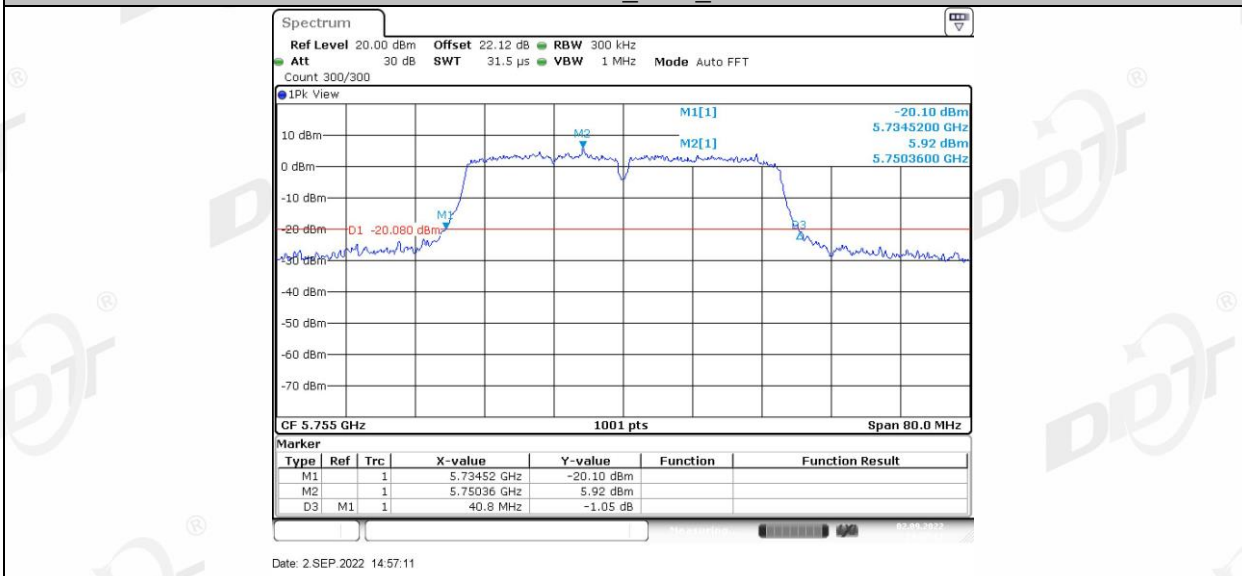
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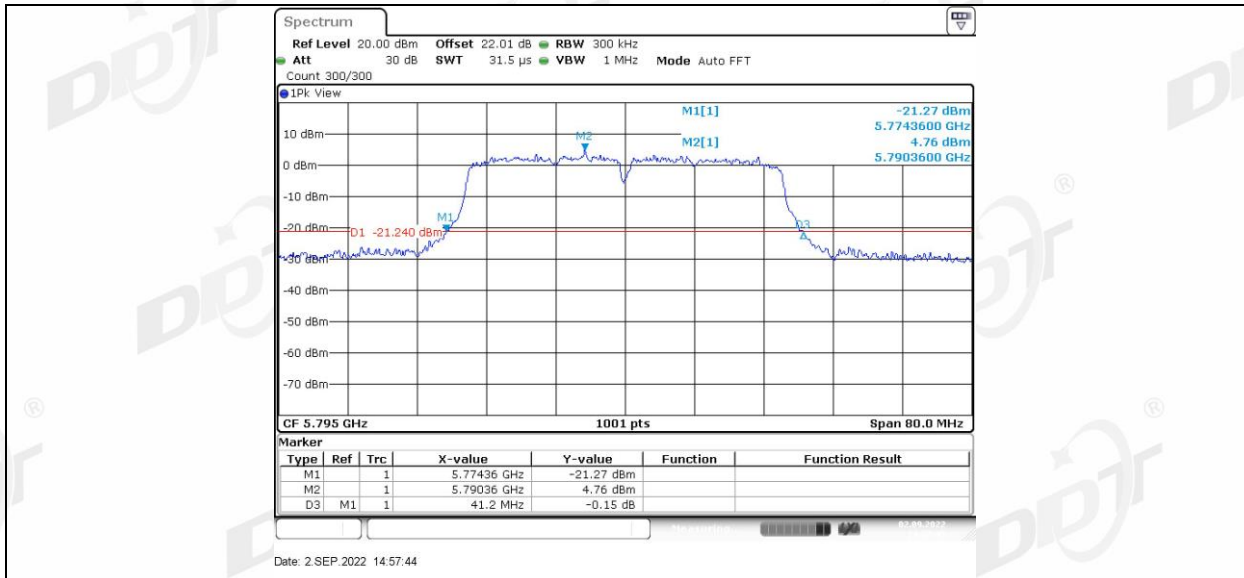
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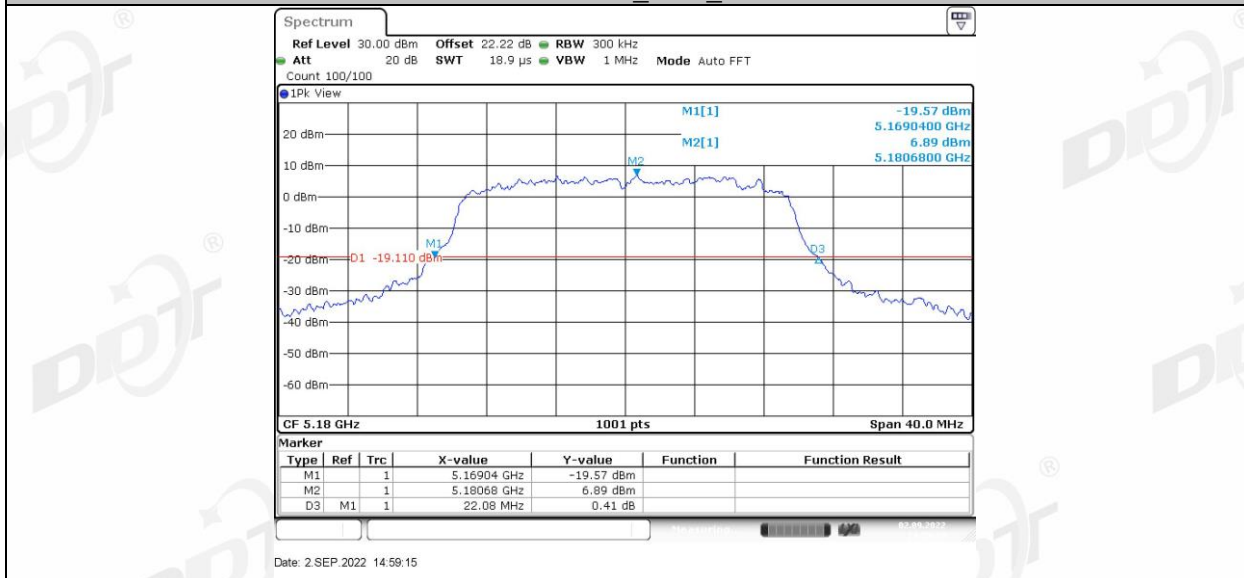
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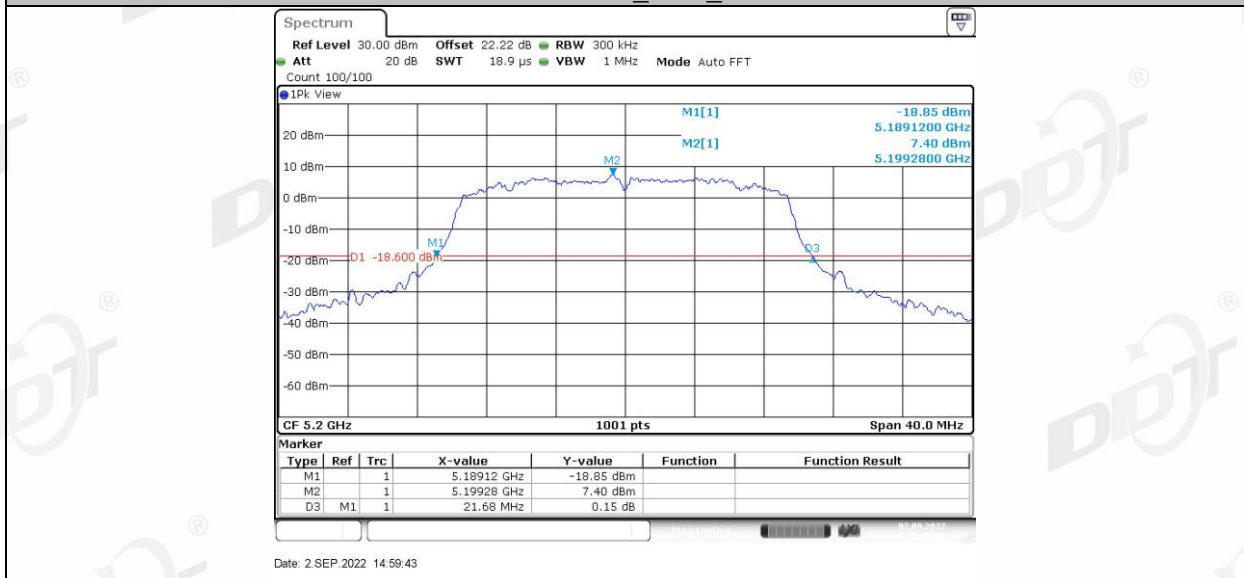
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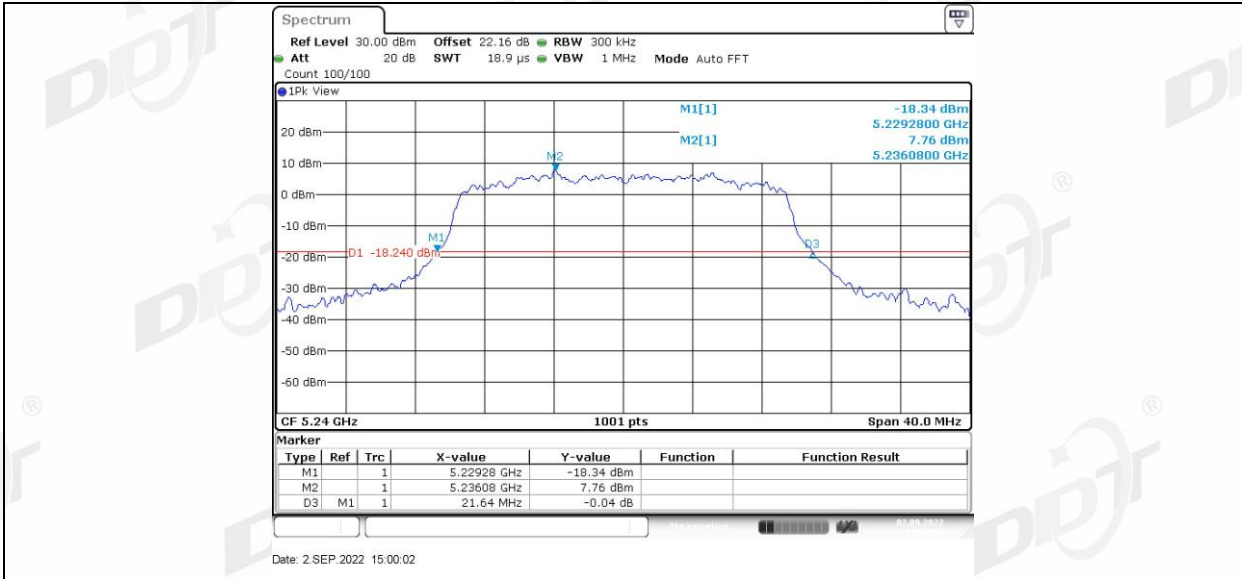
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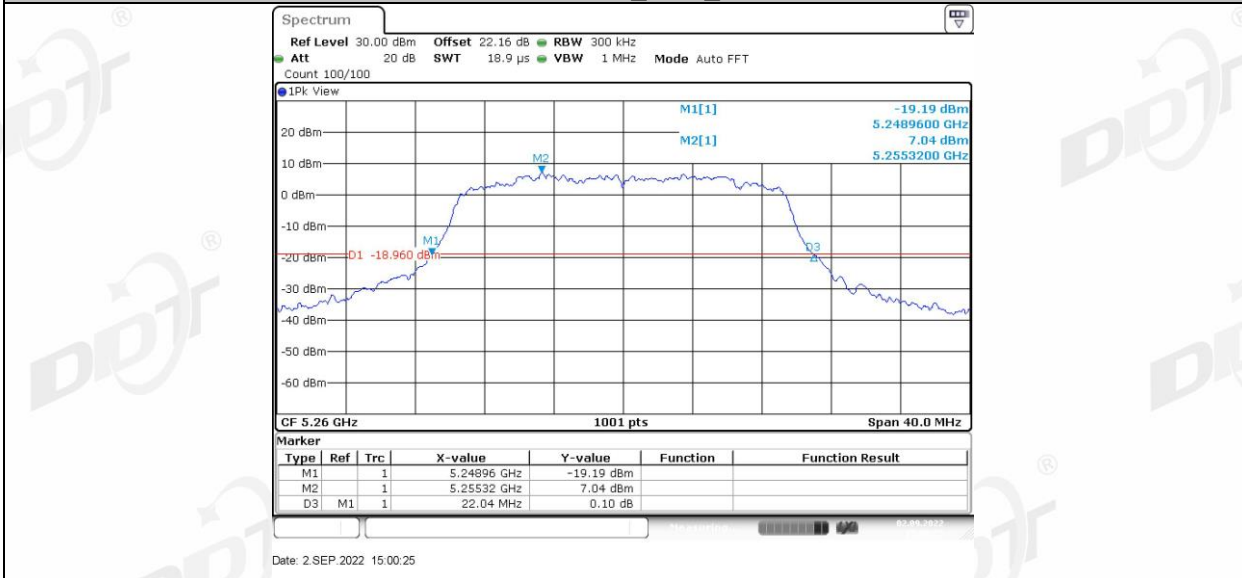
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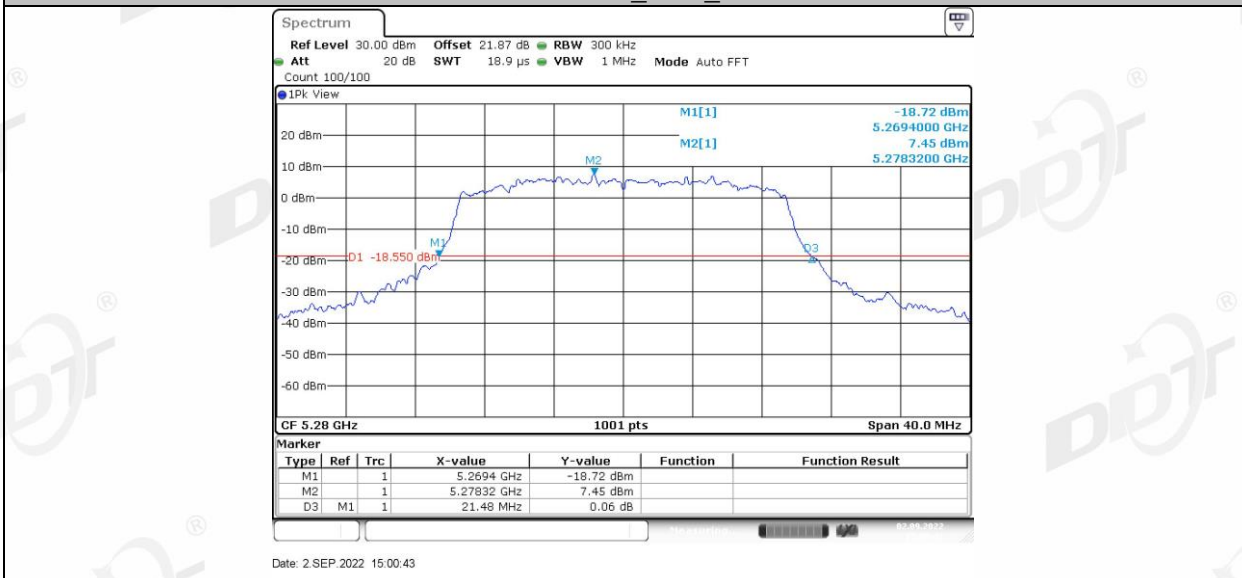
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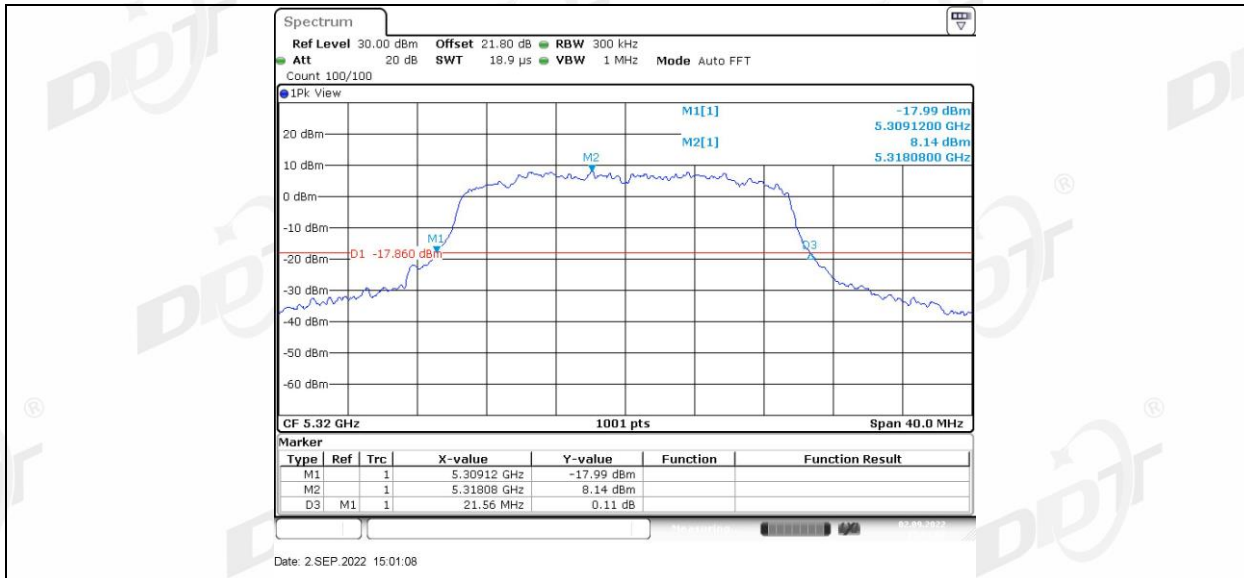
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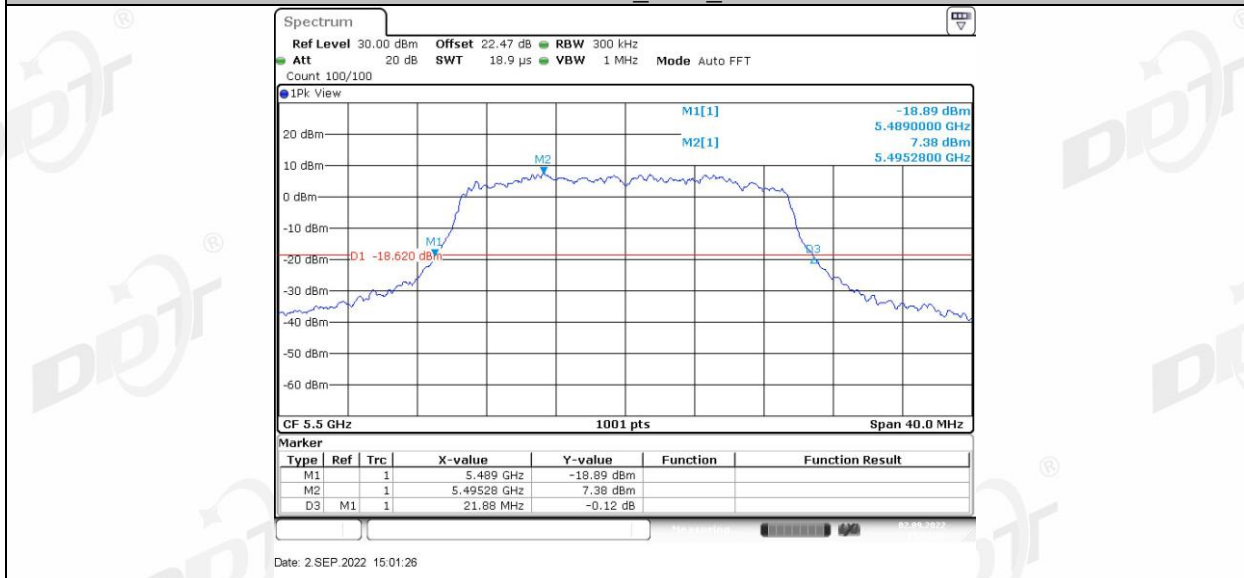
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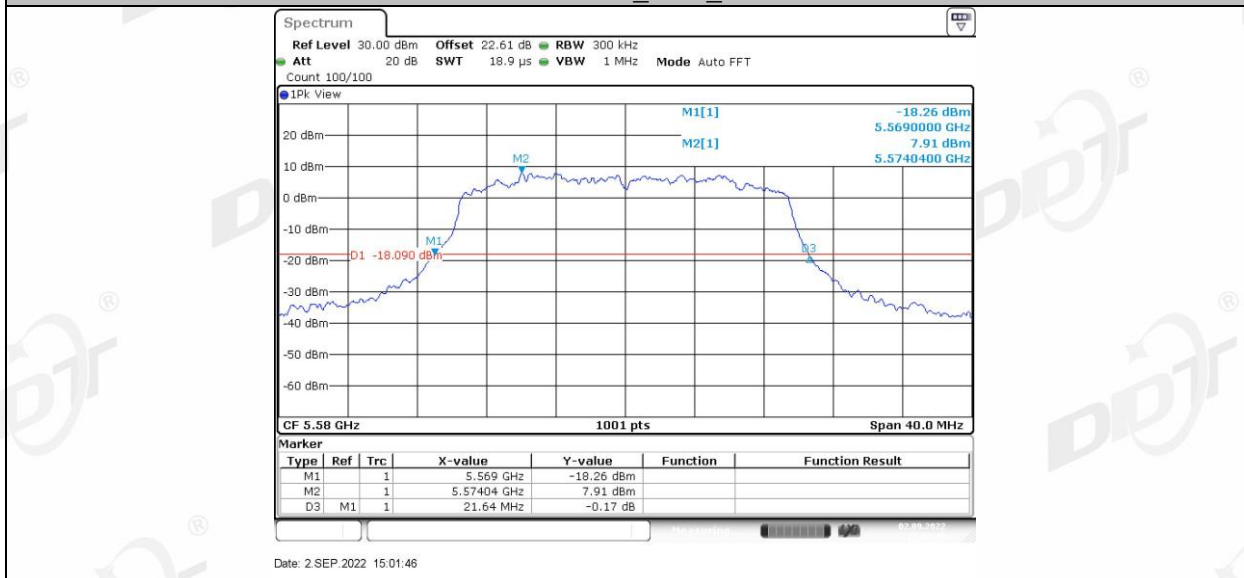
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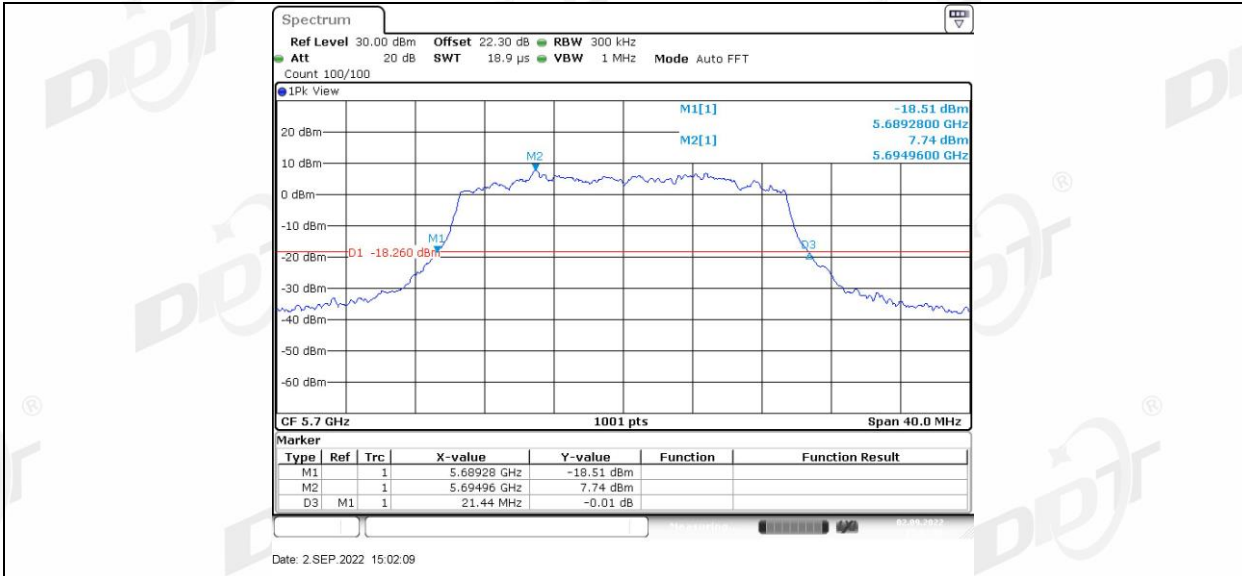
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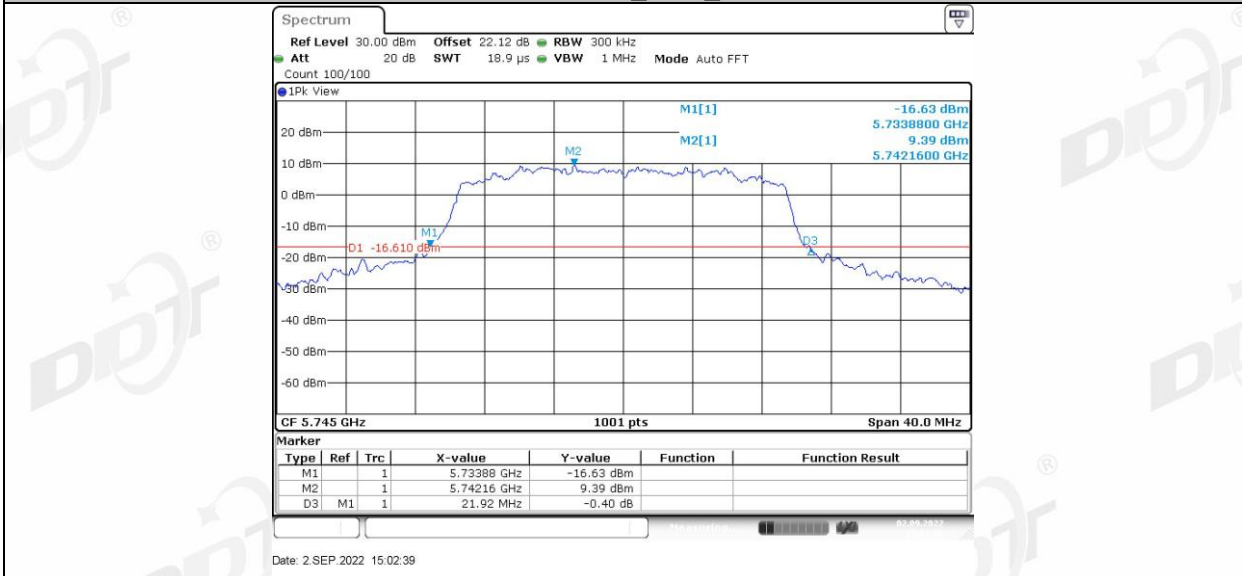
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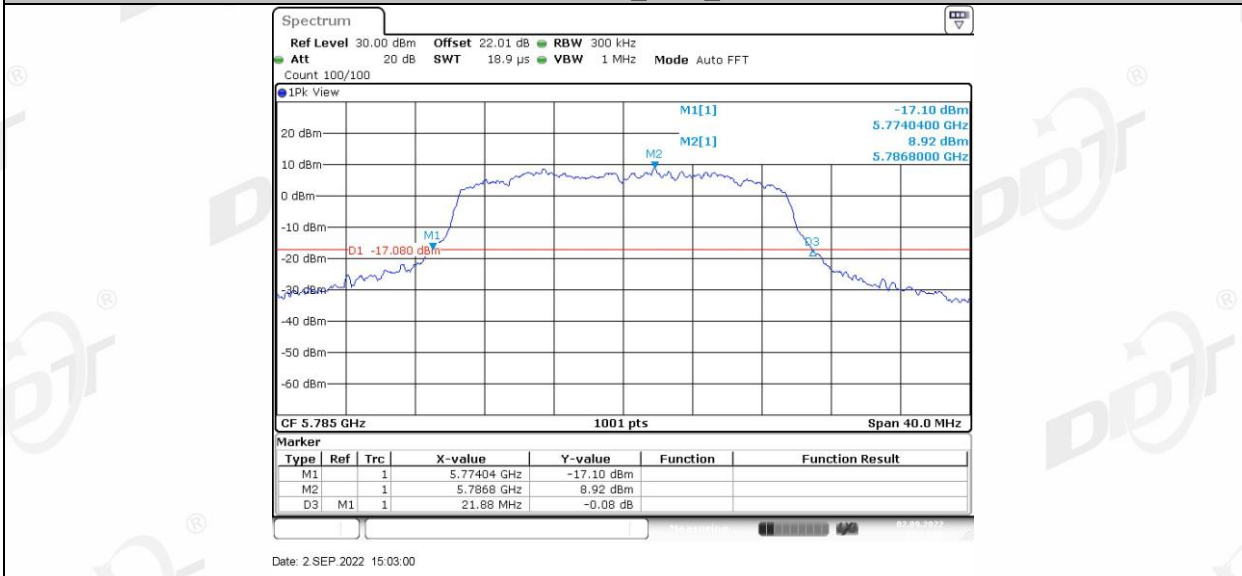
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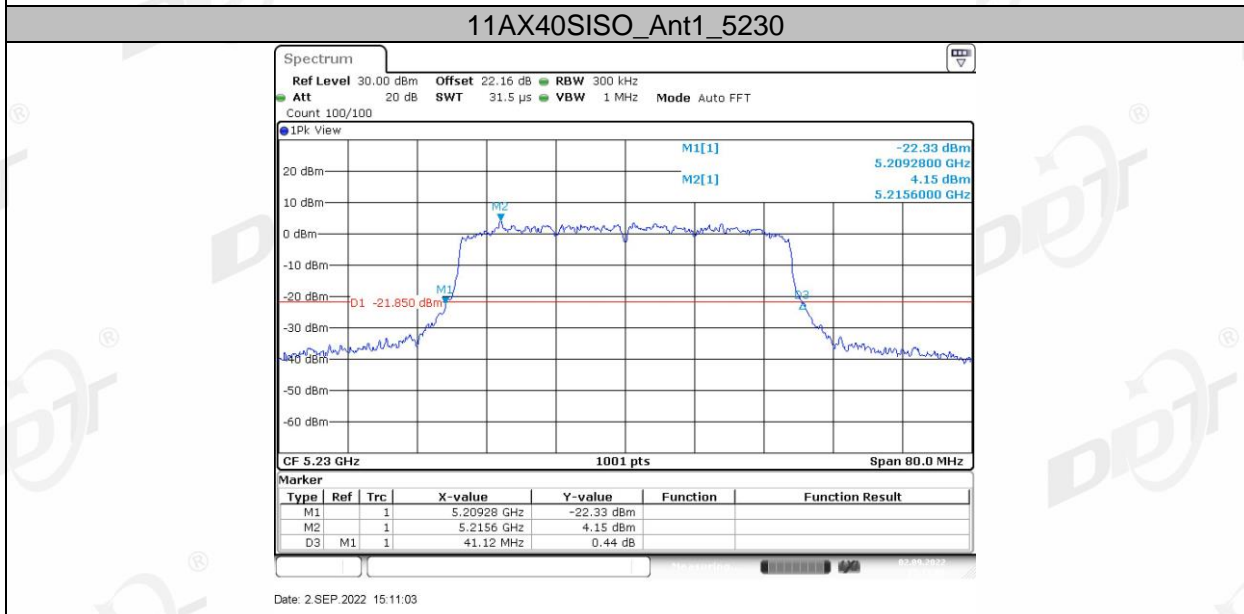
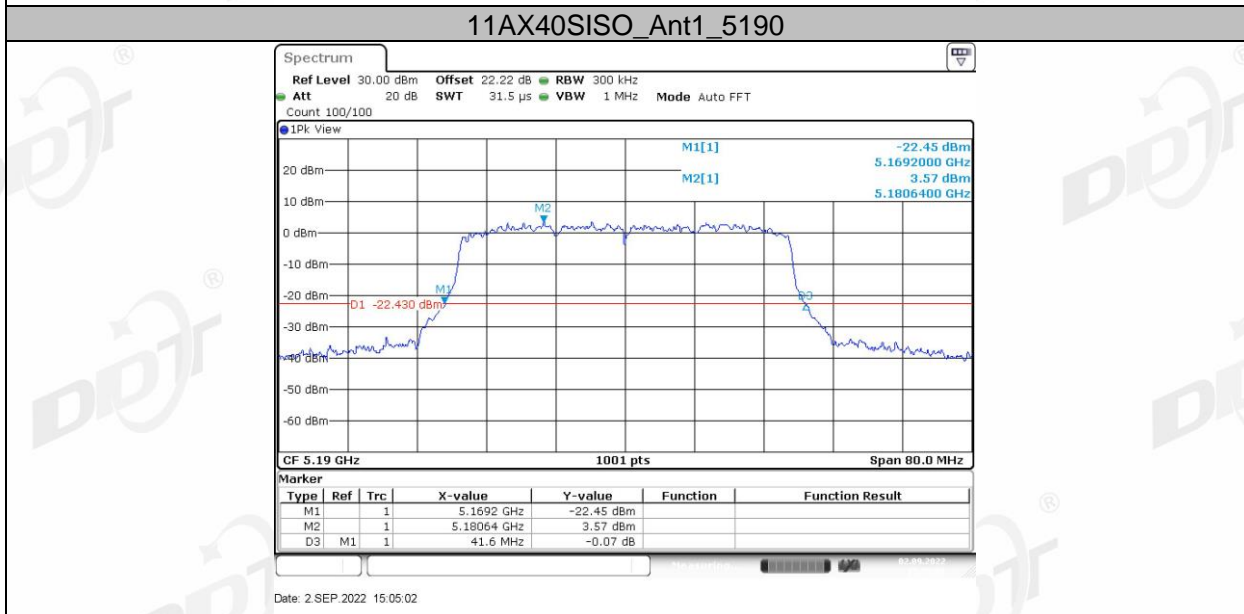
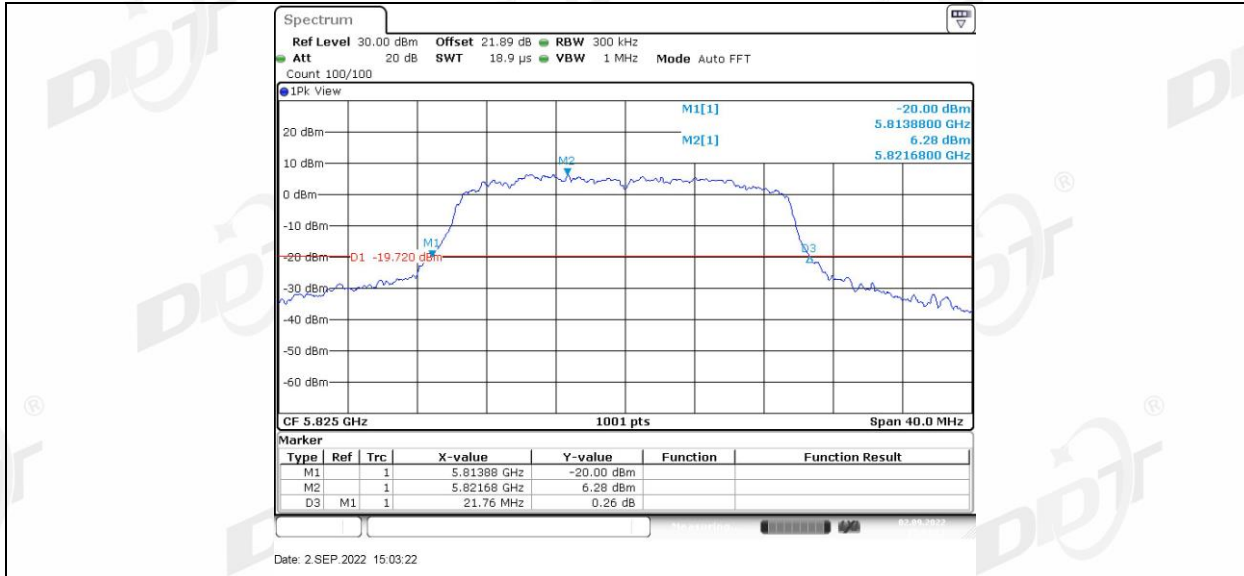
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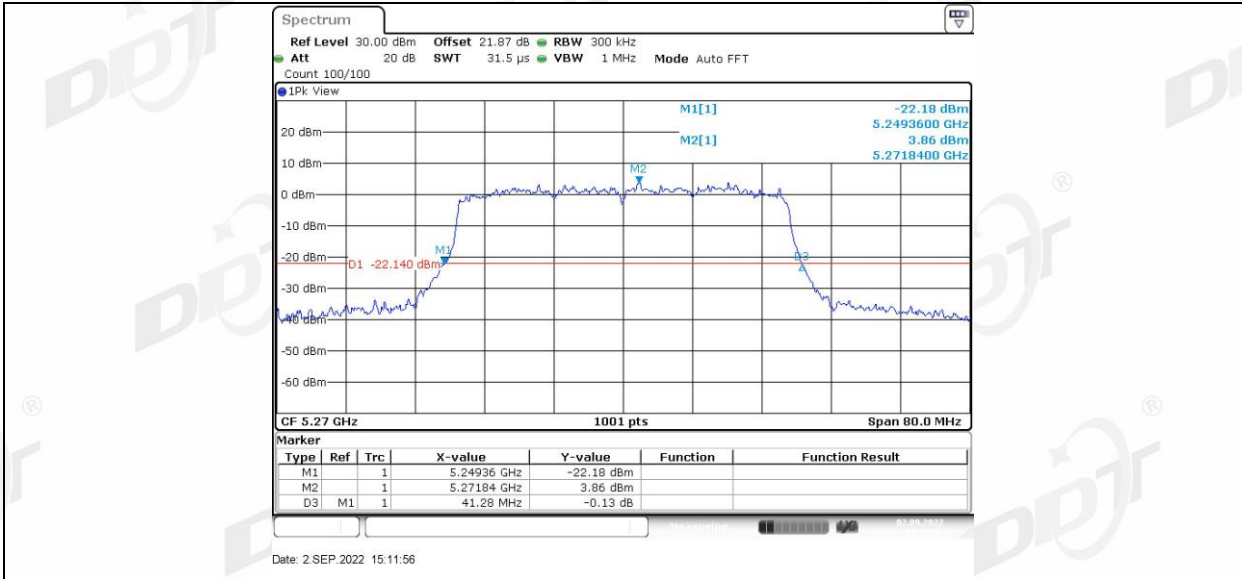


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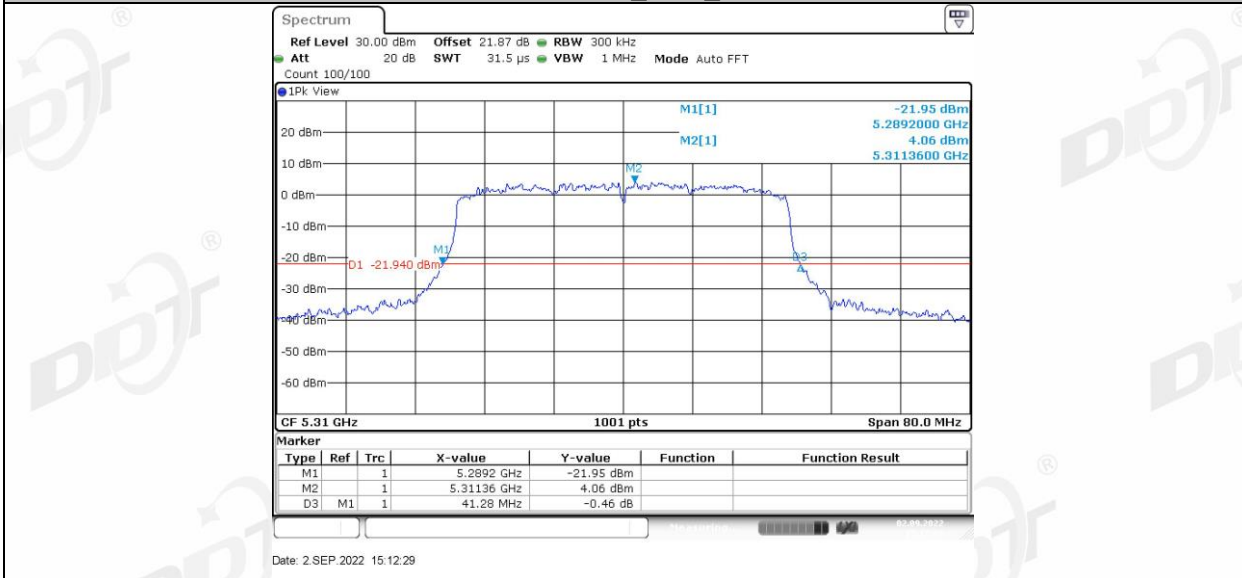


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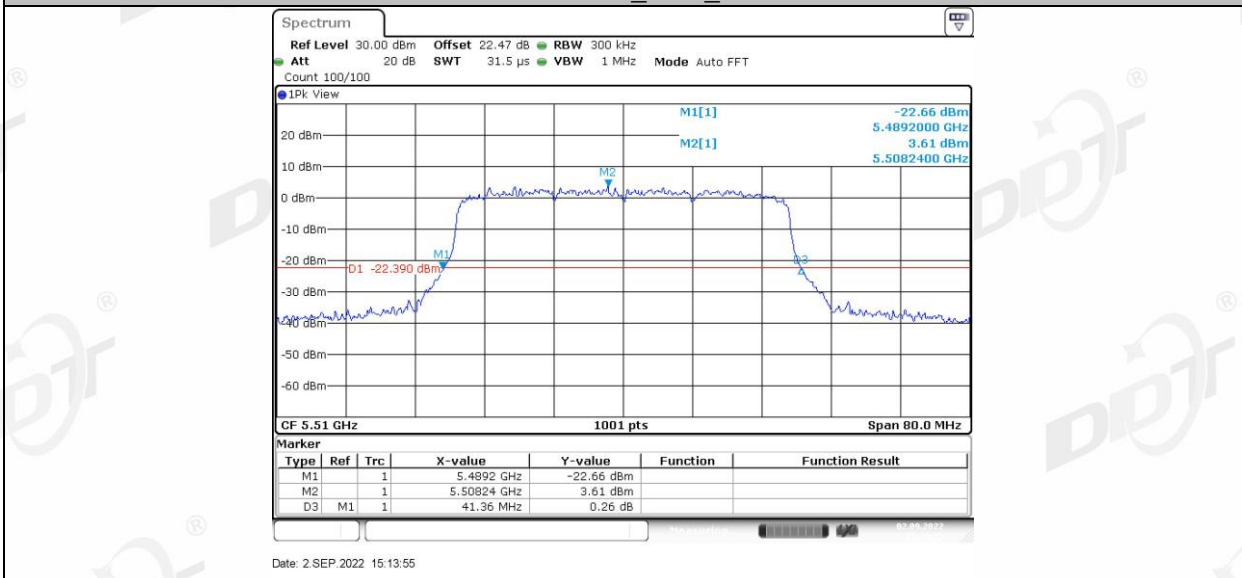




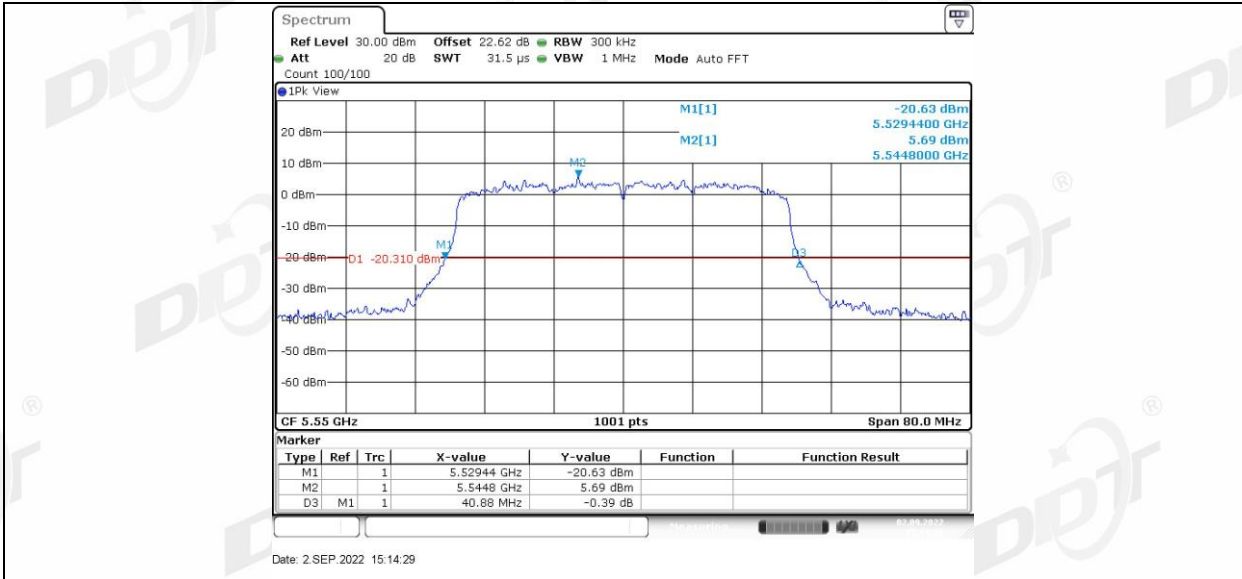
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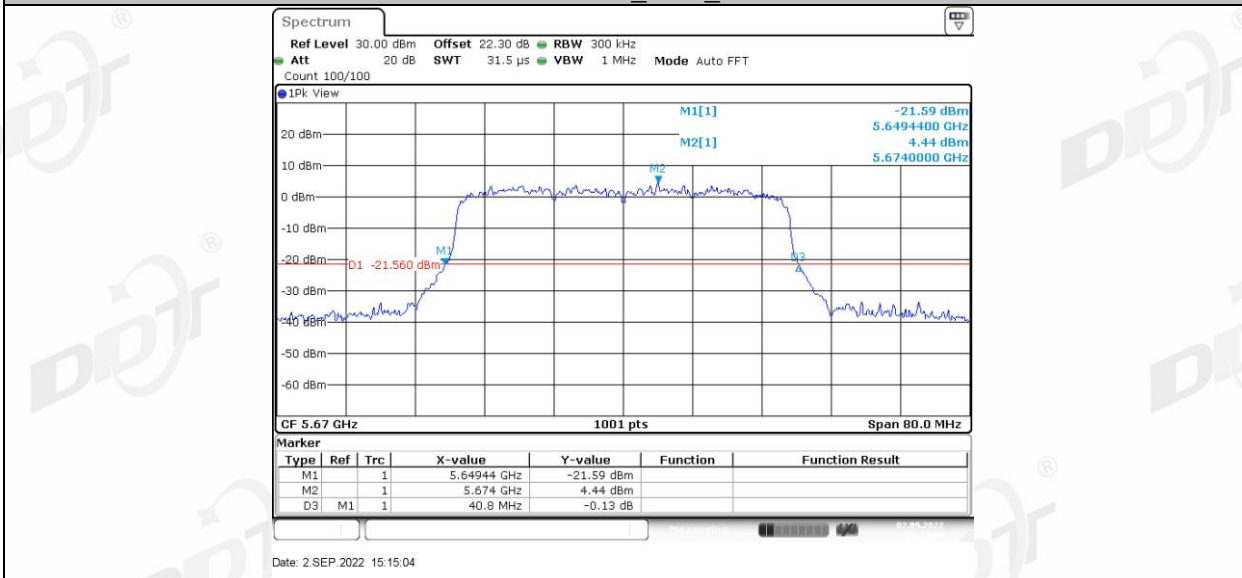
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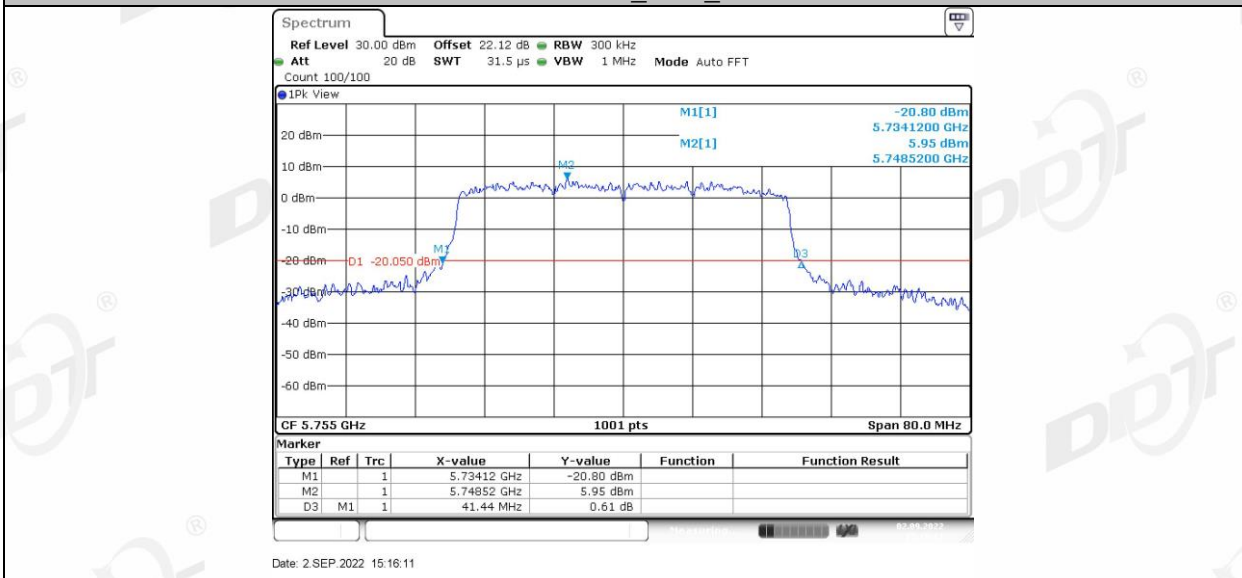
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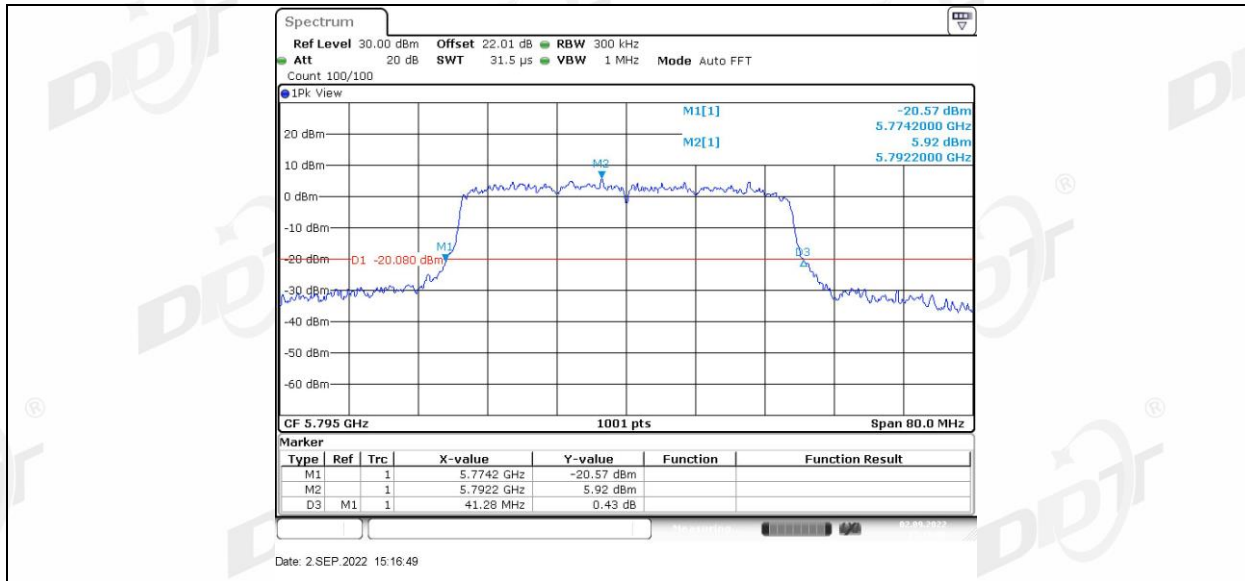
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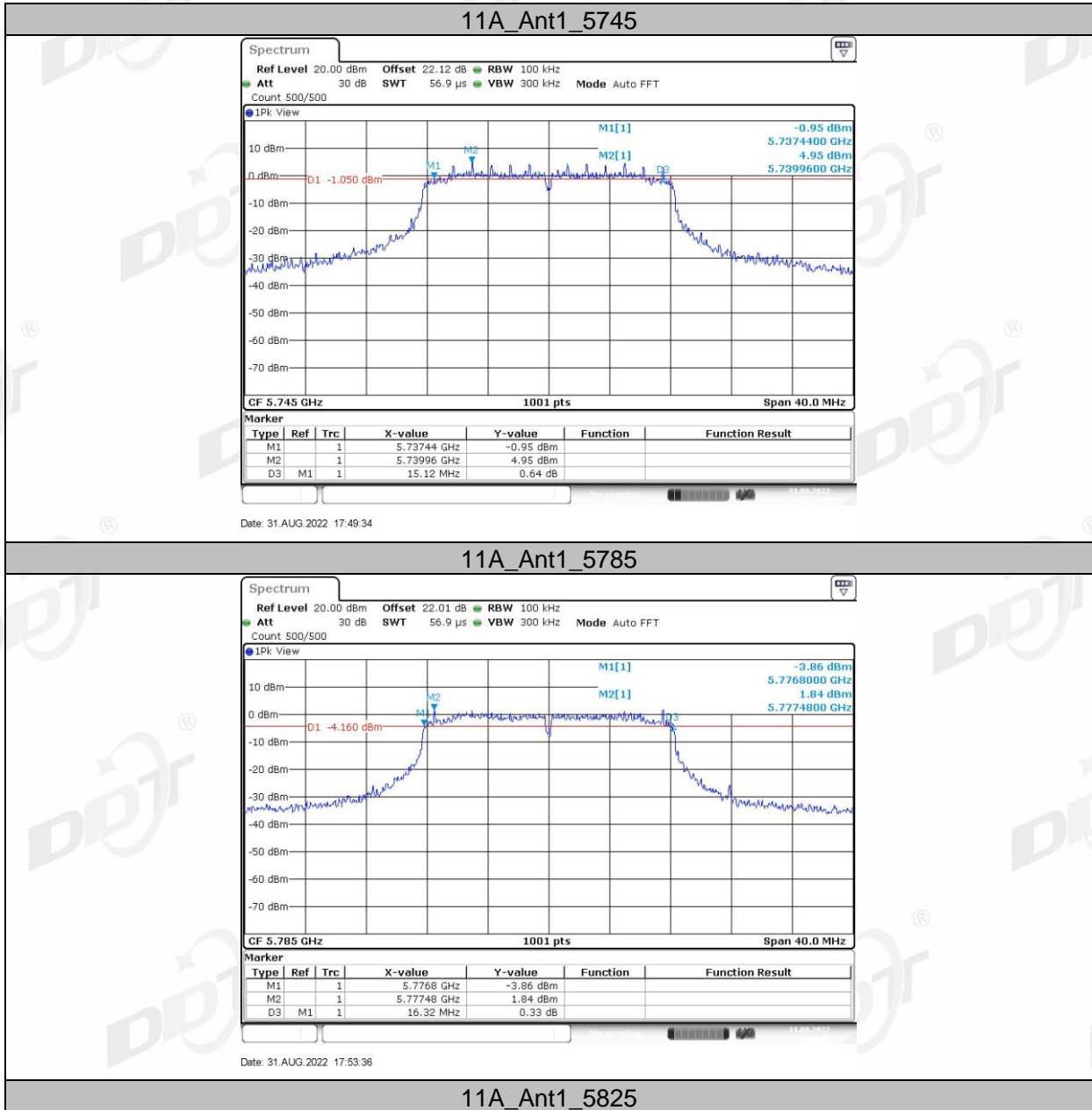
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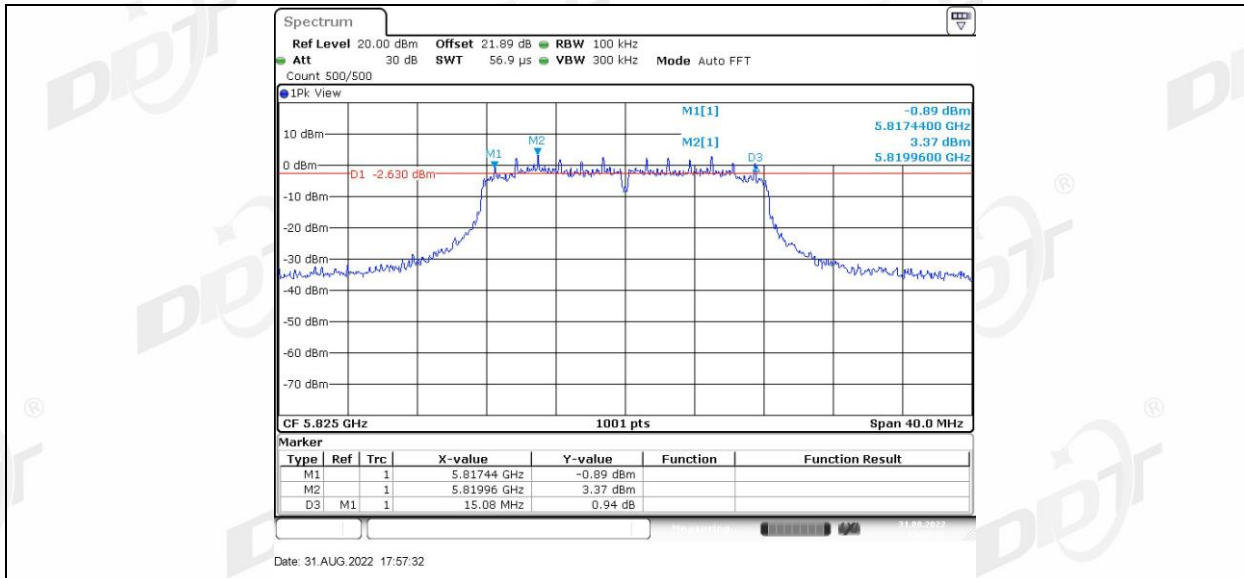


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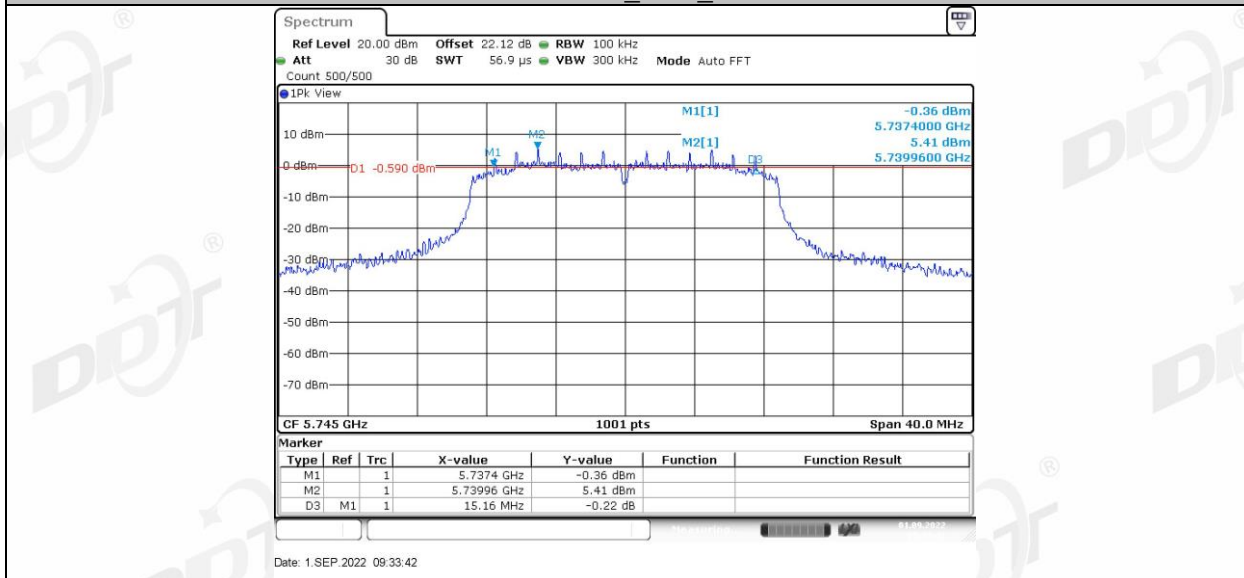


6db EBW:

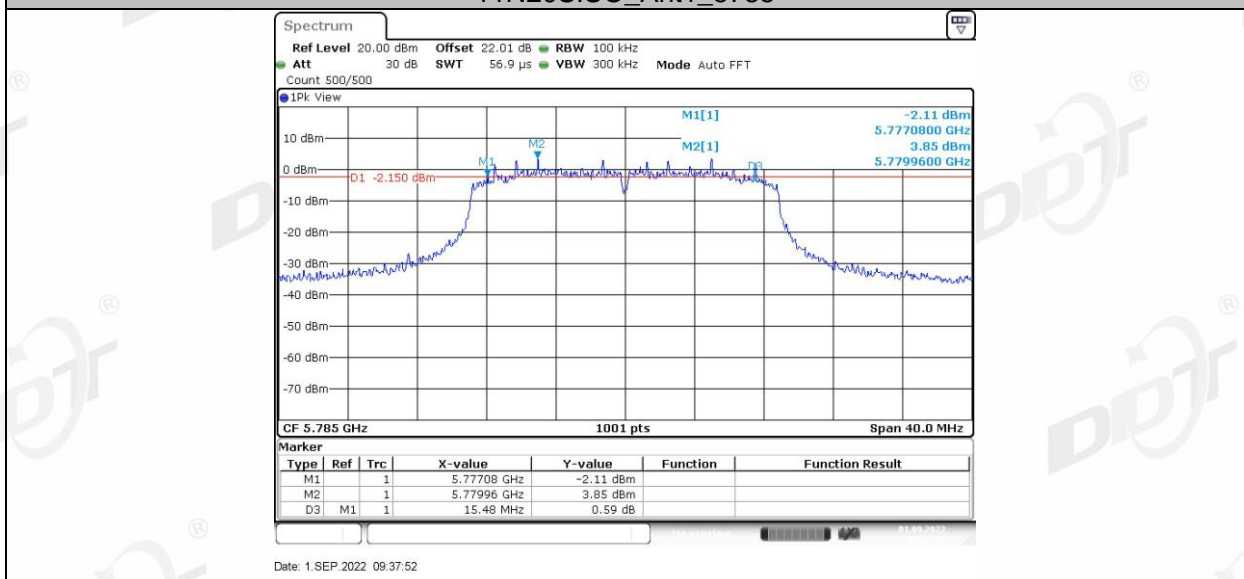




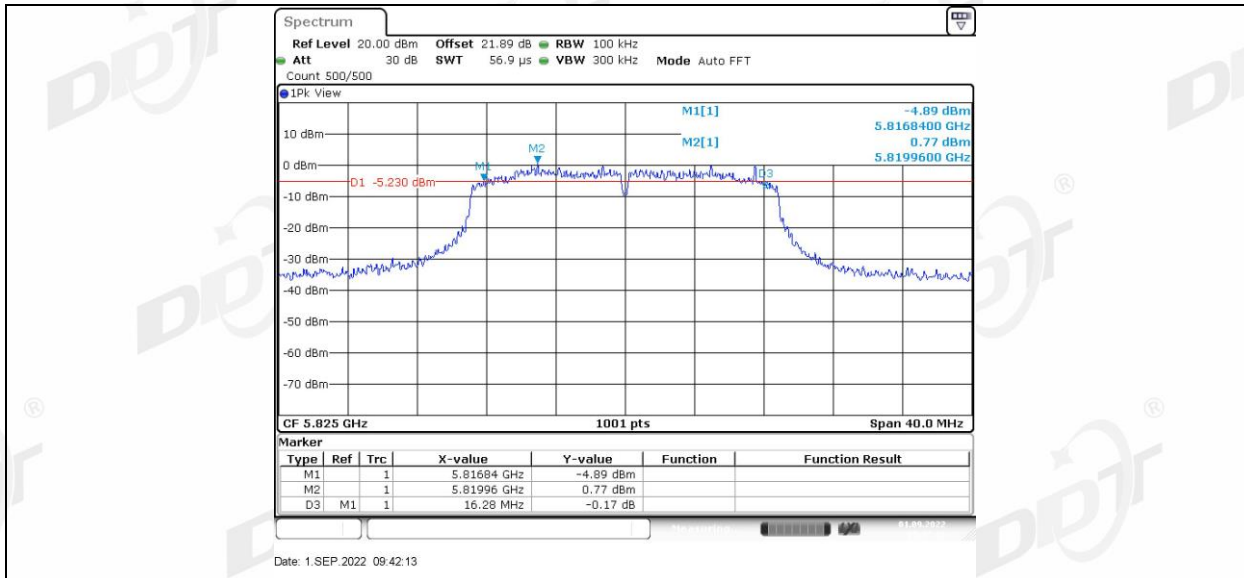
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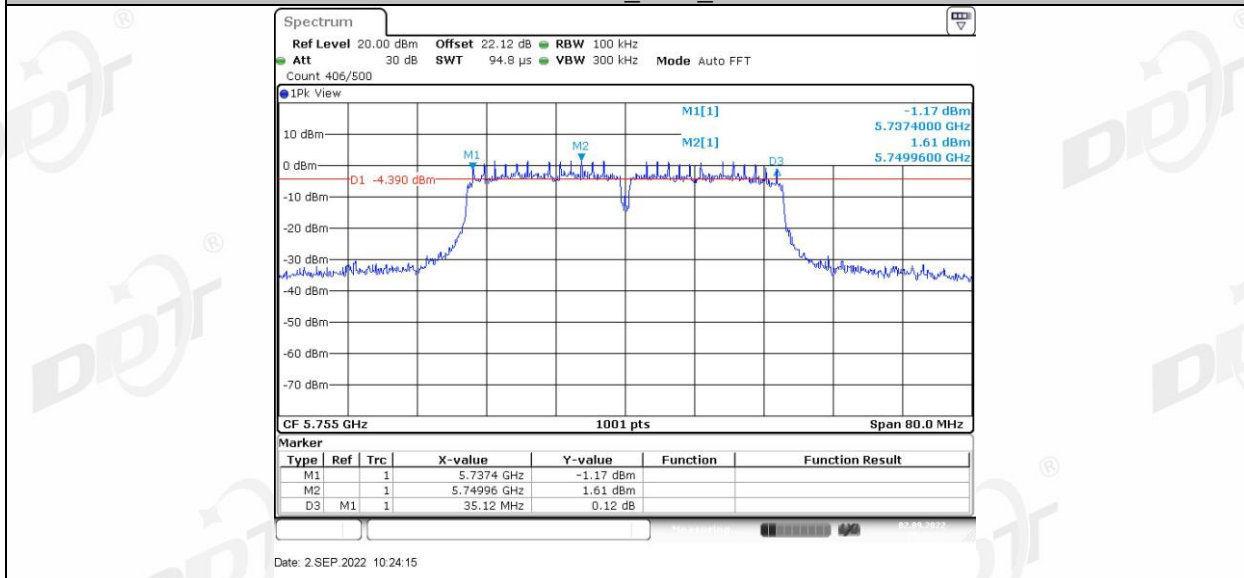
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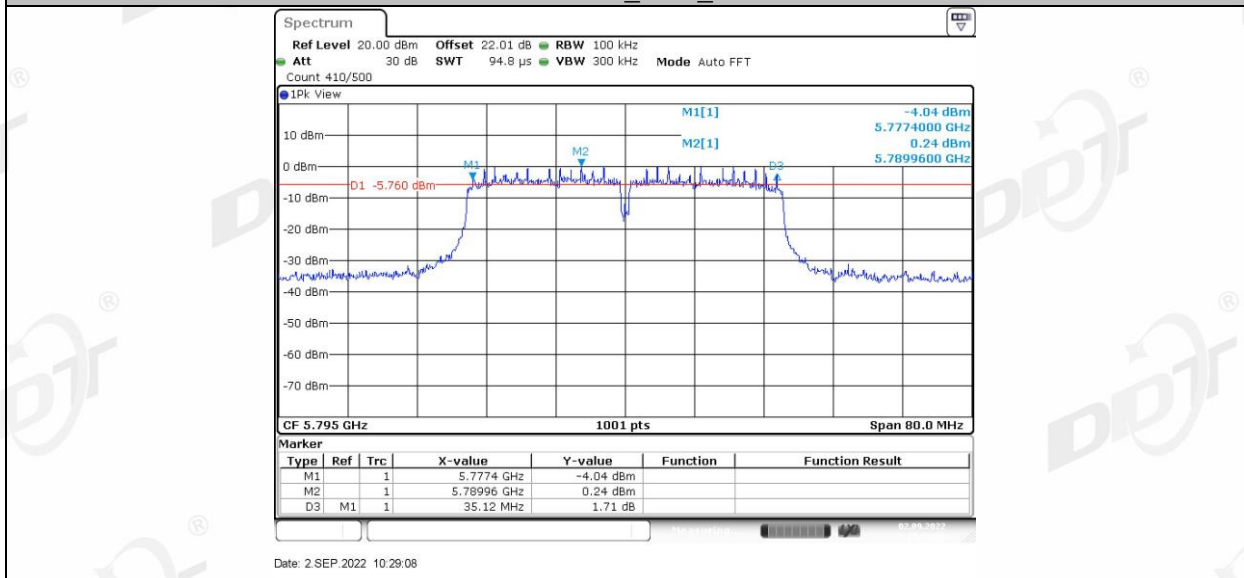
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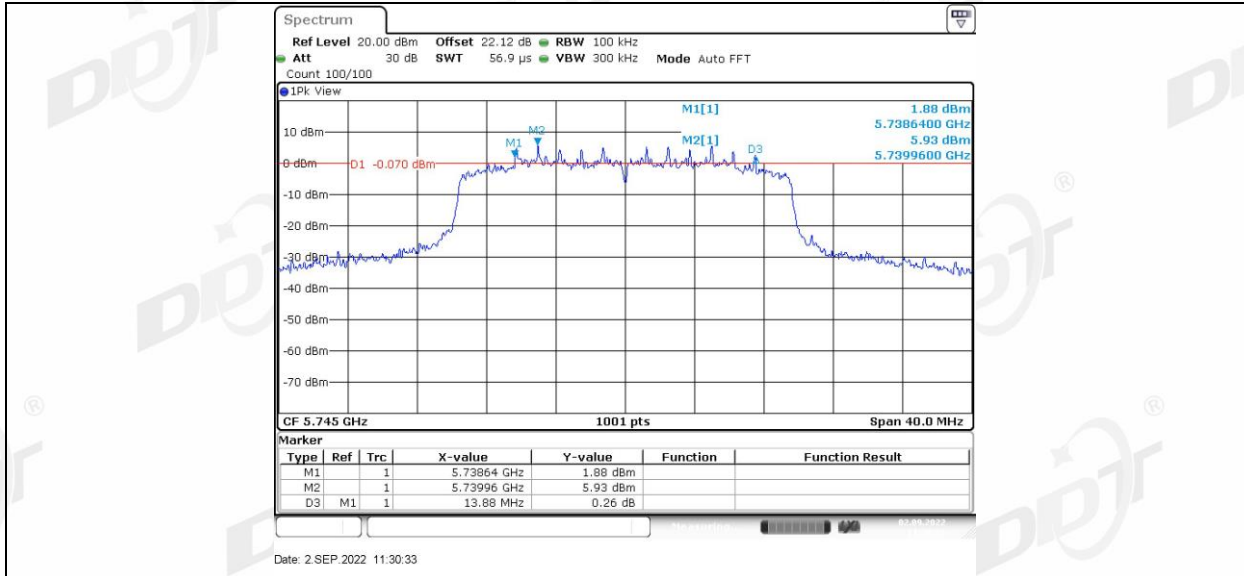
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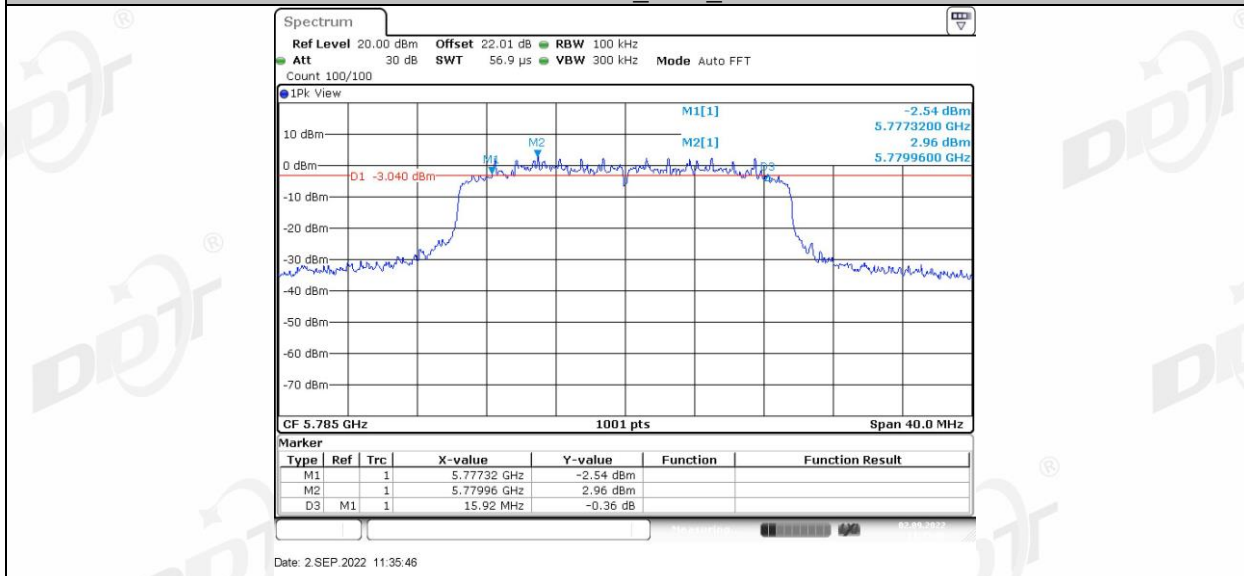
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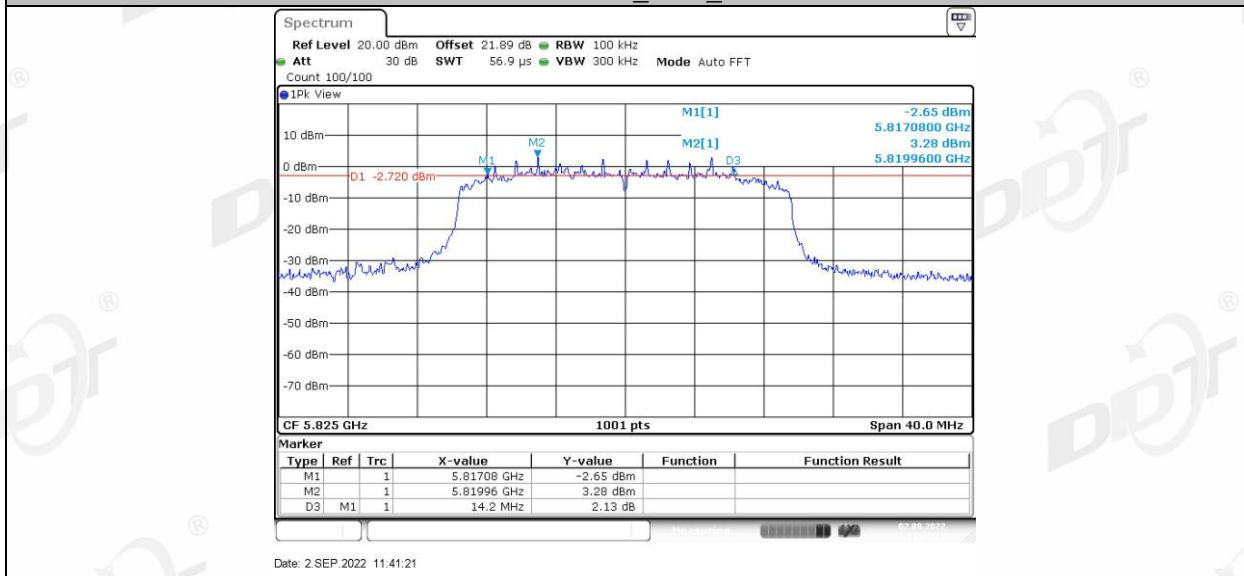
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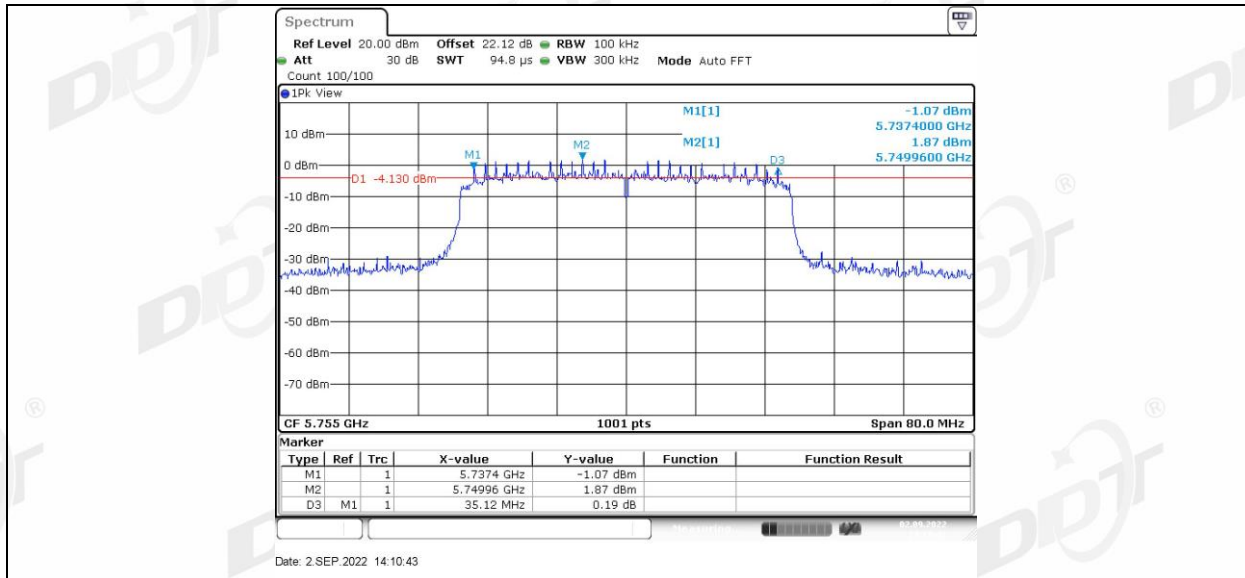
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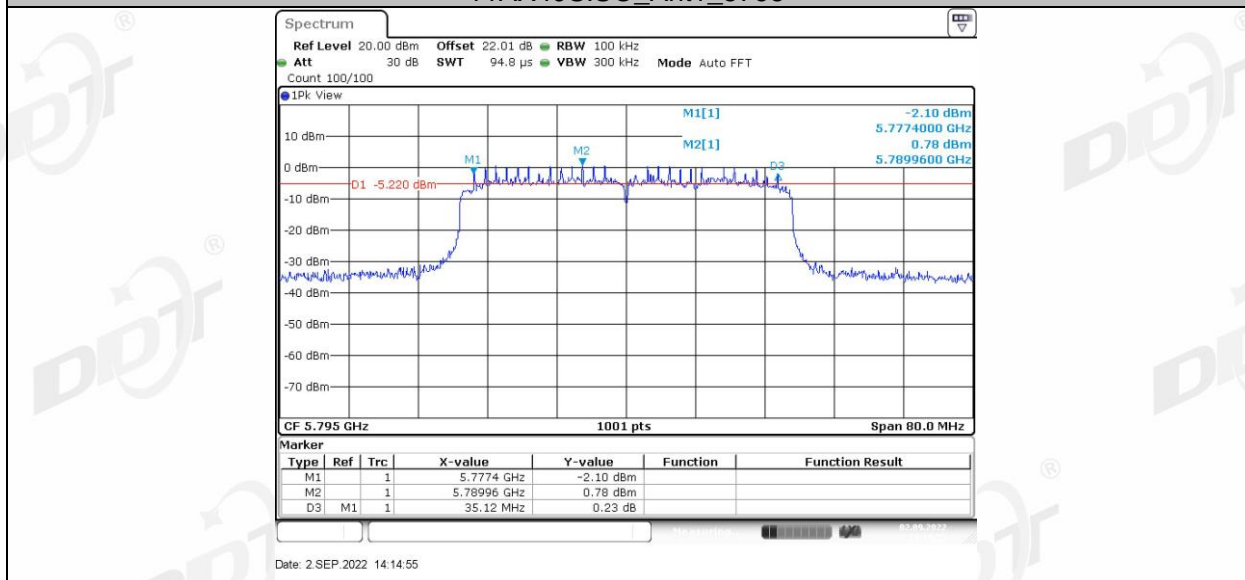
11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



5. Maximum Output Power

5.1. Block diagram of test setup

Same as section 4.1

5.2. Limits

| FCC Part15, Subpart E/ RSS-247 | | |
|--|--|--|
| Test Item | Limit | Frequency Range (MHz) |
| Conducted Output Power | For FCC client devices: 250 mW (24 dBm) | 5150-5250 |
| | For RSS: e.i.r.p. power: not exceed 200 mW (23 dBm) or $10 + 10 \log_{10} B$, whichever is less | |
| | For FCC: 250 mW (24 dBm) or $11 + 10 \log_{10} B$, whichever is lower | 5250-5350 |
| | For RSS: e.i.r.p. power: not exceed 1.0 W (30 dBm) or $17 + 10 \log_{10} B$, whichever is less | |
| | For FCC: 250 mW (24 dBm) or $11 + 10 \log_{10} B$, whichever is lower | For FCC:5470-5725 For IC:5470-5600 5650-5725 |
| | For RSS: e.i.r.p. power: not exceed 1.0 W (30 dBm) or $17 + 10 \log_{10} B$, whichever is less | |
| | 1 Watt (30 dBm) | 5725-5850 |
| Note: 1. For FCC: B=26 bandwidth; For ISED: B=99% bandwidth. 2. For ISED e.i.r.p. power only for 5725-5850 Band | | |

5.3. Test Procedure

Connect each EUT's antenna output to power sensor by RF cable and attenuator
Measure the output power by power sensor.

5.4. Test Result

| Test Mode | Antenna | Channel | Result [dBm] | Limit [dBm] | Verdict |
|------------|---------|---------|--------------|-------------|---------|
| 11A | Ant1 | 5180 | 13.72 | <=24 | Pass |
| | | 5200 | 13.78 | <=24 | Pass |
| | | 5240 | 13.94 | <=24 | Pass |
| | | 5260 | 13.89 | <=24 | Pass |
| | | 5280 | 14.08 | <=24 | Pass |
| | | 5320 | 14.26 | <=24 | Pass |
| | | 5500 | 14.32 | <=24 | Pass |
| | | 5580 | 13.94 | <=24 | Pass |
| | | 5700 | 13.48 | <=24 | Pass |
| | | 5745 | 15.47 | <=30 | Pass |
| | | 5785 | 14.44 | <=30 | Pass |
| | | 5825 | 13.38 | <=30 | Pass |
| 11N20SISO | Ant1 | 5180 | 13.32 | <=24 | Pass |
| | | 5200 | 13.52 | <=24 | Pass |
| | | 5240 | 13.78 | <=24 | Pass |
| | | 5260 | 13.74 | <=24 | Pass |
| | | 5280 | 13.78 | <=24 | Pass |
| | | 5320 | 14.12 | <=24 | Pass |
| | | 5500 | 14.12 | <=24 | Pass |
| | | 5580 | 13.84 | <=24 | Pass |
| | | 5700 | 13.34 | <=24 | Pass |
| | | 5745 | 15.36 | <=30 | Pass |
| | | 5785 | 14.38 | <=30 | Pass |
| | | 5825 | 13.29 | <=30 | Pass |
| 11N40SISO | Ant1 | 5190 | 13.08 | <=24 | Pass |
| | | 5230 | 13.47 | <=24 | Pass |
| | | 5270 | 13.47 | <=24 | Pass |
| | | 5310 | 13.67 | <=24 | Pass |
| | | 5510 | 13.72 | <=24 | Pass |
| | | 5550 | 13.60 | <=24 | Pass |
| | | 5670 | 13.16 | <=24 | Pass |
| | | 5755 | 14.79 | <=30 | Pass |
| | | 5795 | 14.02 | <=30 | Pass |
| 11AX20SISO | Ant1 | 5180 | 13.91 | <=24 | Pass |
| | | 5200 | 13.44 | <=24 | Pass |
| | | 5240 | 13.84 | <=24 | Pass |
| | | 5260 | 13.77 | <=24 | Pass |
| | | 5280 | 13.82 | <=24 | Pass |
| | | 5320 | 14.11 | <=24 | Pass |
| | | 5500 | 13.98 | <=24 | Pass |
| | | 5580 | 13.82 | <=24 | Pass |
| | | 5700 | 13.25 | <=24 | Pass |
| | | 5745 | 15.53 | <=30 | Pass |
| | | 5785 | 14.42 | <=30 | Pass |
| | | 5825 | 13.25 | <=30 | Pass |
| 11AX40SISO | Ant1 | 5190 | 13.15 | <=24 | Pass |
| | | 5230 | 13.49 | <=24 | Pass |

| | | | | | |
|--|--|------|-------|------|------|
| | | 5270 | 13.72 | <=24 | Pass |
| | | 5310 | 14.01 | <=24 | Pass |
| | | 5510 | 14.01 | <=24 | Pass |
| | | 5550 | 13.65 | <=24 | Pass |
| | | 5670 | 13.14 | <=24 | Pass |
| | | 5755 | 15.10 | <=30 | Pass |
| | | 5795 | 14.09 | <=30 | Pass |

| Test Mode | Antenna | Channel | EIRP [dBm] | Limit [dBm] | Verdict | | |
|-----------|---------|------------|------------|-------------|---------|------|------|
| 11A | Ant1 | 5180 | 18.89 | <=24 | Pass | | |
| | | 5200 | 18.95 | <=24 | Pass | | |
| | | 5240 | 19.11 | <=24 | Pass | | |
| | | 5260 | 19.06 | <=24 | Pass | | |
| | | 5280 | 19.25 | <=24 | Pass | | |
| | | 5320 | 19.43 | <=24 | Pass | | |
| | | 5500 | 19.49 | <=24 | Pass | | |
| | | 5580 | 19.11 | <=24 | Pass | | |
| | | 5700 | 18.65 | <=24 | Pass | | |
| | | 5745 | 20.64 | <=30 | Pass | | |
| | | 5785 | 19.61 | <=30 | Pass | | |
| 11N20SISO | Ant1 | 5180 | 18.49 | <=24 | Pass | | |
| | | 5200 | 18.69 | <=24 | Pass | | |
| | | 5240 | 18.95 | <=24 | Pass | | |
| | | 5260 | 18.91 | <=24 | Pass | | |
| | | 5280 | 18.95 | <=24 | Pass | | |
| | | 5320 | 19.29 | <=24 | Pass | | |
| | | 5500 | 19.29 | <=24 | Pass | | |
| | | 5580 | 19.01 | <=24 | Pass | | |
| | | 5700 | 18.51 | <=24 | Pass | | |
| | | 5745 | 20.53 | <=30 | Pass | | |
| | | 5785 | 19.55 | <=30 | Pass | | |
| 11N40SISO | Ant1 | 5190 | 18.25 | <=24 | Pass | | |
| | | 5230 | 18.64 | <=24 | Pass | | |
| | | 5270 | 18.64 | <=24 | Pass | | |
| | | 5310 | 18.84 | <=24 | Pass | | |
| | | 5510 | 18.89 | <=24 | Pass | | |
| | | 5550 | 18.77 | <=24 | Pass | | |
| | | 5670 | 18.33 | <=24 | Pass | | |
| | | 5755 | 19.96 | <=30 | Pass | | |
| | | 5795 | 19.19 | <=30 | Pass | | |
| | | 11AX20SISO | Ant1 | 5180 | 19.08 | <=24 | Pass |
| | | | | 5200 | 18.61 | <=24 | Pass |
| 5240 | 19.01 | | | <=24 | Pass | | |
| 5260 | 18.94 | | | <=24 | Pass | | |
| 5280 | 18.99 | | | <=24 | Pass | | |
| 5320 | 19.28 | | | <=24 | Pass | | |
| 5500 | 19.15 | | | <=24 | Pass | | |
| 5580 | 18.99 | | | <=24 | Pass | | |
| 5700 | 18.42 | | | <=24 | Pass | | |

| | | | | | |
|------------|------|------|-------|------|------|
| | | 5745 | 20.70 | <=30 | Pass |
| | | 5785 | 19.59 | <=30 | Pass |
| | | 5825 | 18.42 | <=30 | Pass |
| 11AX40SISO | Ant1 | 5190 | 18.32 | <=24 | Pass |
| | | 5230 | 18.66 | <=24 | Pass |
| | | 5270 | 18.89 | <=24 | Pass |
| | | 5310 | 19.18 | <=24 | Pass |
| | | 5510 | 19.18 | <=24 | Pass |
| | | 5550 | 18.82 | <=24 | Pass |
| | | 5670 | 18.31 | <=24 | Pass |
| | | 5755 | 20.27 | <=30 | Pass |
| | | 5795 | 19.26 | <=30 | Pass |

6. Power Spectral Density

6.1. Block diagram of test setup

Same with 4.1

6.2. Limits

| FCC Part15, Subpart E/ RSS-247 | | |
|--------------------------------|---|--|
| Test Item | Limit | Frequency Range (MHz) |
| Power Spectral Density | For FCC: Other than Mobile and portable:17 dBm/MHz Mobile and portable client devices:11 dBm/MHz | 5150-5250 |
| | For RSS eirp:10 dBm/MHz | |
| | 11 dBm/MHz | 5250-5350 |
| | 11 dBm/MHz | For FCC:5470-5725 For IC:5470-5600 5650-5725 |
| | 30 dBm/500 kHz | 5725-5850 |

6.3. Test Procedure

The transmitter output was connected to a spectrum analyzer. Power density was measured by spectrum analyzer with 1MHz RBW and 3MHz VBW.

Connect the UUT to the spectrum analyser and use the following settings:

5150 MHz~5250 MHz, 5250 MHz~5350 MHz, 5470 MHz~5725 MHz

| | |
|------------------|--|
| Center Frequency | The centre frequency of the channel under test |
| Detector | RMS |
| RBW | 1MHz |
| VBW | $\geq 3 \times \text{RBW}$ |
| Span | Encompass the entire emissions bandwidth (EBW) of the signal |
| Trace | Max hold |
| Sweep time | Auto |

5725 MHz-5850 MHz

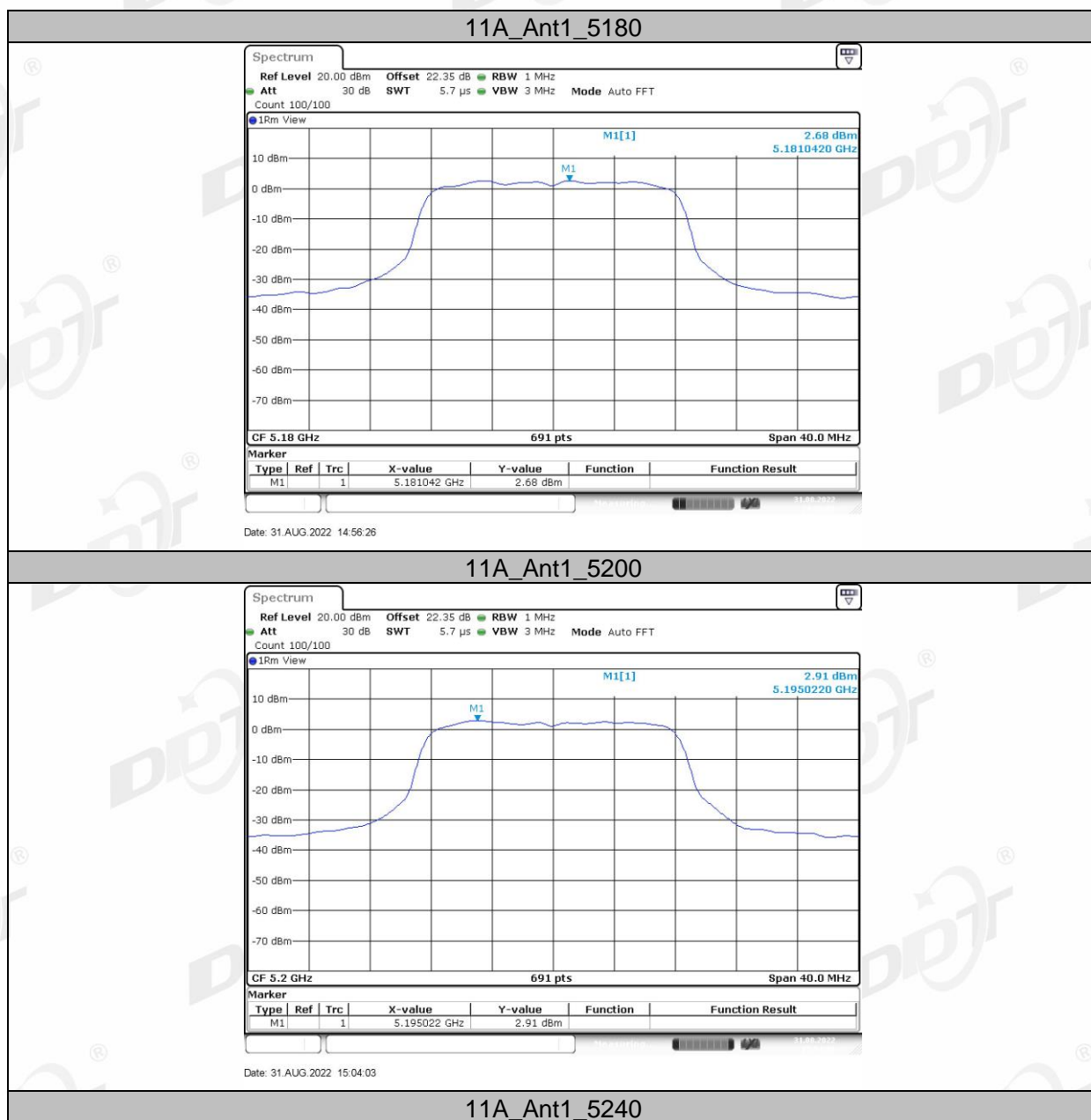
| | |
|------------------|--|
| Center Frequency | The centre frequency of the channel under test |
| Detector | RMS |
| RBW | 500 kHz |
| VBW | $\geq 3 \times \text{RBW}$ |
| Span | Encompass the entire emissions bandwidth (EBW) of the signal |
| Trace | Max hold |
| Sweep time | Auto |

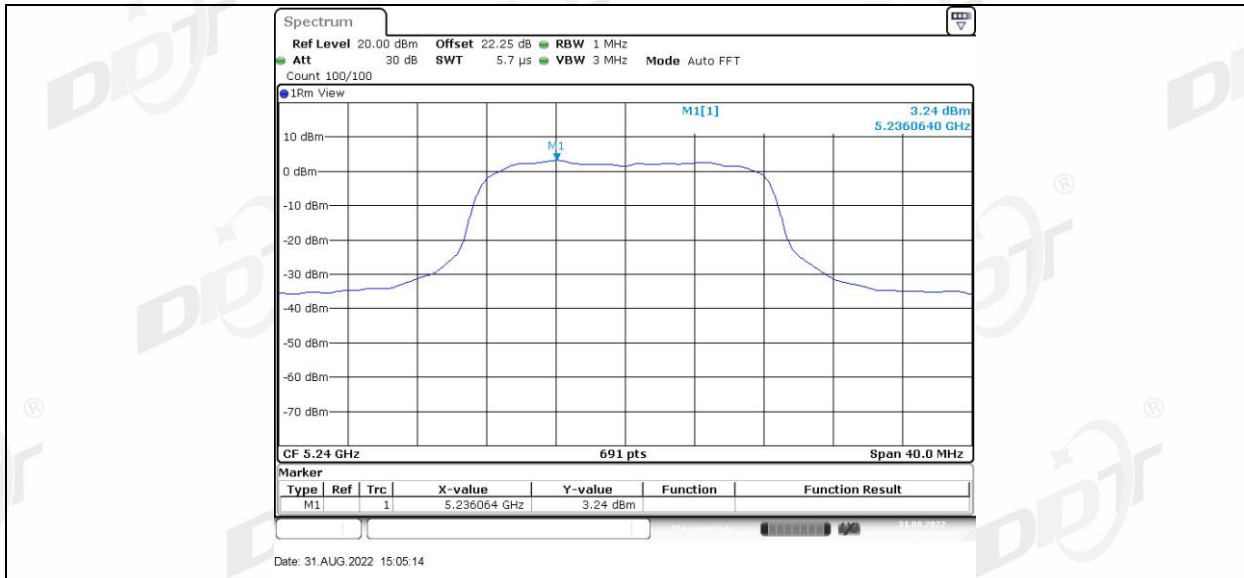
6.4. Test Result

| Test Mode | Antenna | Channel | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|------------|---------|---------|------------------|----------------|---------|
| 11A | Ant1 | 5180 | 2.68 | ≤11 | PASS |
| | | 5200 | 2.91 | ≤11 | PASS |
| | | 5240 | 3.24 | ≤11 | PASS |
| | | 5260 | 2.5 | ≤11 | PASS |
| | | 5280 | 3.03 | ≤11 | PASS |
| | | 5320 | 3.15 | ≤11 | PASS |
| | | 5500 | 3.16 | ≤11 | PASS |
| | | 5580 | 3.04 | ≤11 | PASS |
| | | 5700 | 2.51 | ≤11 | PASS |
| | | 5745 | 1.59 | ≤30 | PASS |
| | | 5785 | 0.84 | ≤30 | PASS |
| 5825 | -0.85 | ≤30 | PASS | | |
| 11N20SISO | Ant1 | 5180 | 2.32 | ≤11 | PASS |
| | | 5200 | 2.18 | ≤11 | PASS |
| | | 5240 | 2.34 | ≤11 | PASS |
| | | 5260 | 2.73 | ≤11 | PASS |
| | | 5280 | 1.9 | ≤11 | PASS |
| | | 5320 | 3.04 | ≤11 | PASS |
| | | 5500 | 2.81 | ≤11 | PASS |
| | | 5580 | 2.58 | ≤11 | PASS |
| | | 5700 | 2.13 | ≤11 | PASS |
| | | 5745 | 1.33 | ≤30 | PASS |
| | | 5785 | 0.56 | ≤30 | PASS |
| 5825 | -0.82 | ≤30 | PASS | | |
| 11N40SISO | Ant1 | 5190 | -1.51 | ≤11 | PASS |
| | | 5230 | -1.01 | ≤11 | PASS |
| | | 5270 | -1.26 | ≤11 | PASS |
| | | 5310 | -0.96 | ≤11 | PASS |
| | | 5510 | -0.61 | ≤11 | PASS |
| | | 5550 | -0.61 | ≤11 | PASS |
| | | 5670 | -1.21 | ≤11 | PASS |
| | | 5755 | -2.42 | ≤30 | PASS |
| 5795 | -3.54 | ≤30 | PASS | | |
| 11AX20SISO | Ant1 | 5180 | 2.3 | ≤11 | PASS |
| | | 5200 | 2.5 | ≤11 | PASS |
| | | 5240 | 2.44 | ≤11 | PASS |
| | | 5260 | 2.38 | ≤11 | PASS |
| | | 5280 | 2.21 | ≤11 | PASS |
| | | 5320 | 2.8 | ≤11 | PASS |
| | | 5500 | 3.13 | ≤11 | PASS |
| | | 5580 | 2.56 | ≤11 | PASS |
| | | 5700 | 2.05 | ≤11 | PASS |
| | | 5745 | 1.04 | ≤30 | PASS |
| | | 5785 | 0.66 | ≤30 | PASS |
| 5825 | -0.95 | ≤30 | PASS | | |
| 11AX40SISO | Ant1 | 5190 | -1.52 | ≤11 | PASS |
| | | 5230 | -1.18 | ≤11 | PASS |
| | | 5270 | -0.95 | ≤11 | PASS |

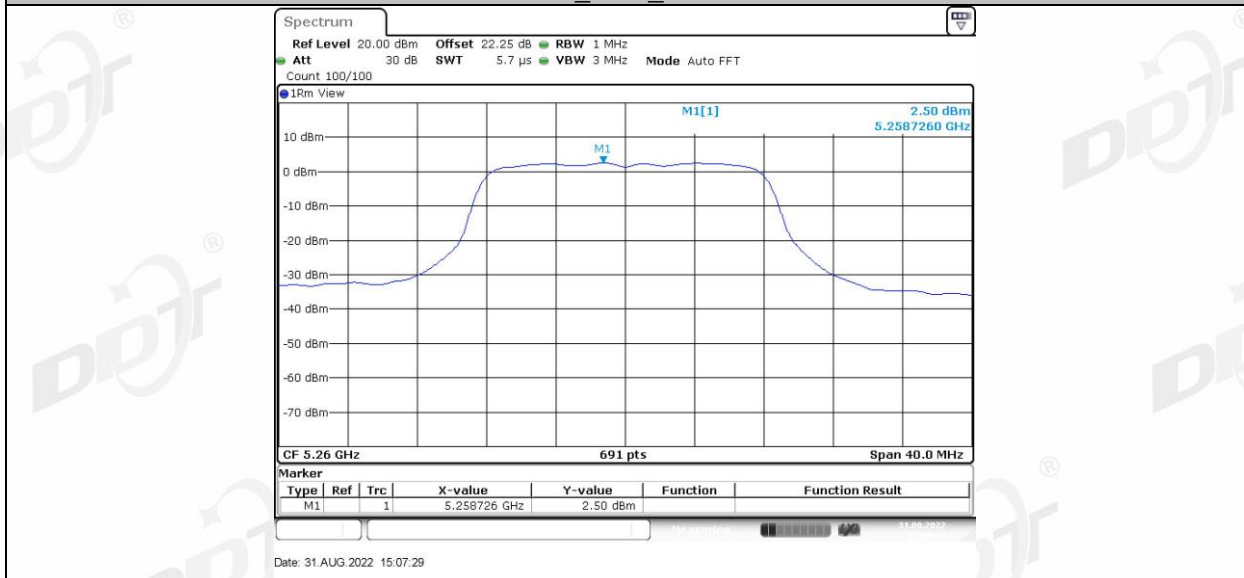
| | | | | |
|--|------|-------|-----|------|
| | 5310 | -0.3 | ≤11 | PASS |
| | 5510 | -0.17 | ≤11 | PASS |
| | 5550 | -1.02 | ≤11 | PASS |
| | 5670 | -1.39 | ≤11 | PASS |
| | 5755 | -2.37 | ≤30 | PASS |
| | 5795 | -3.22 | ≤30 | PASS |

6.5. Original test data

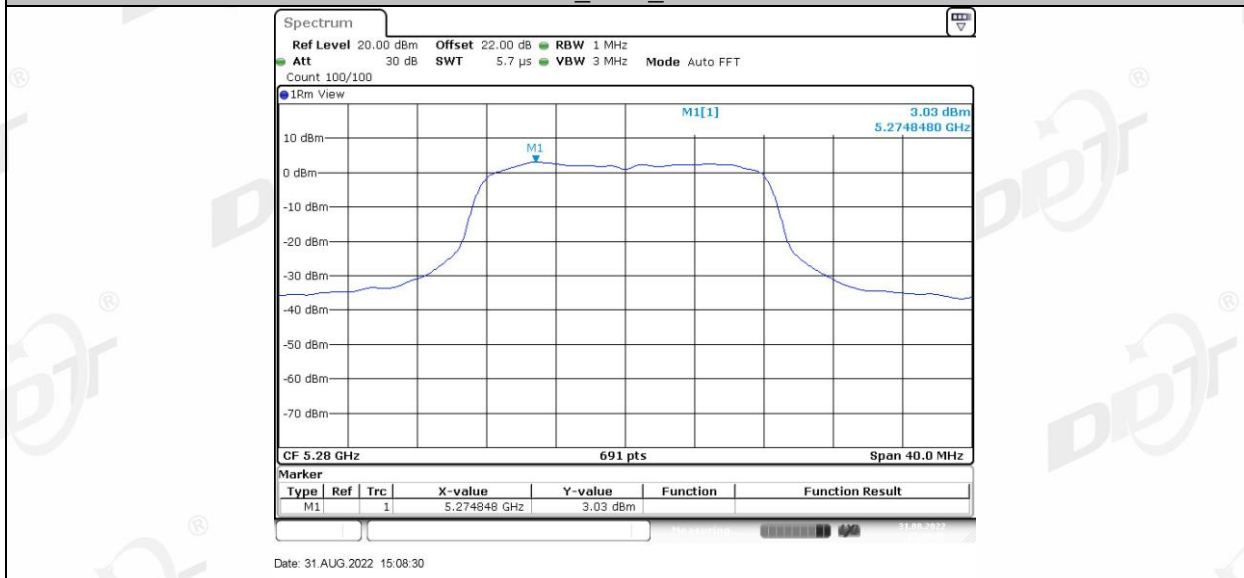




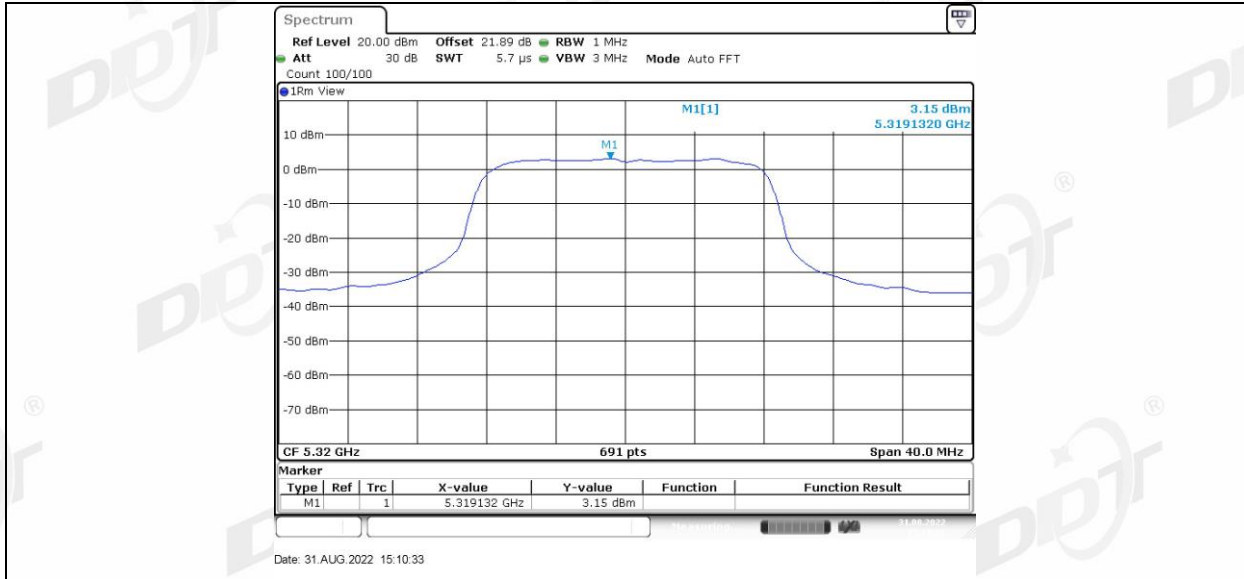
11A_Ant1_5260



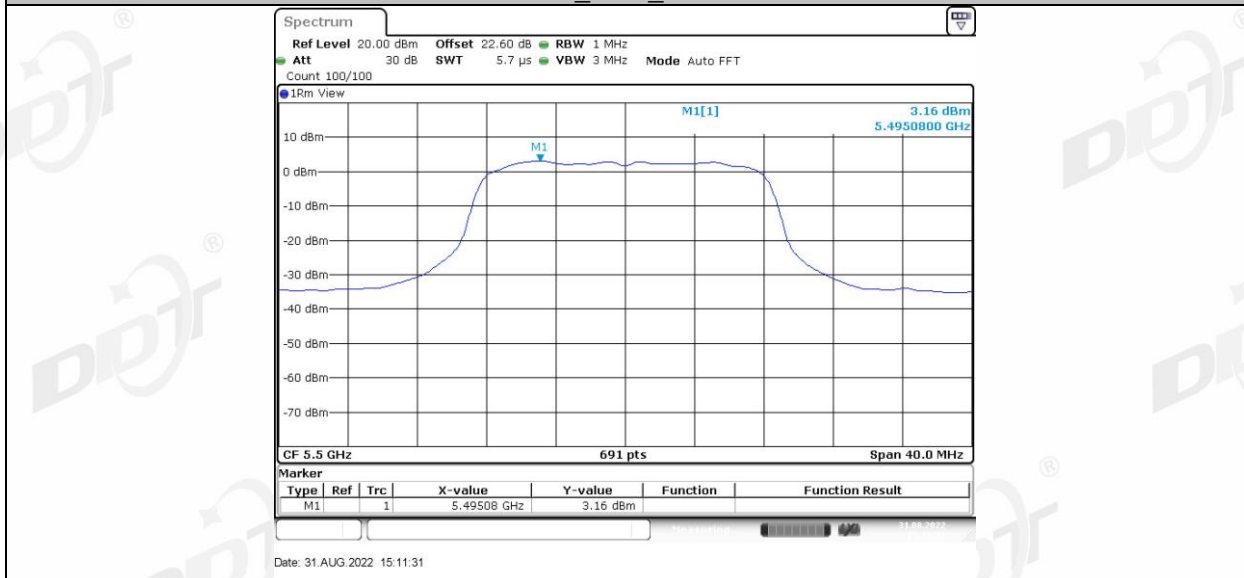
11A_Ant1_5280



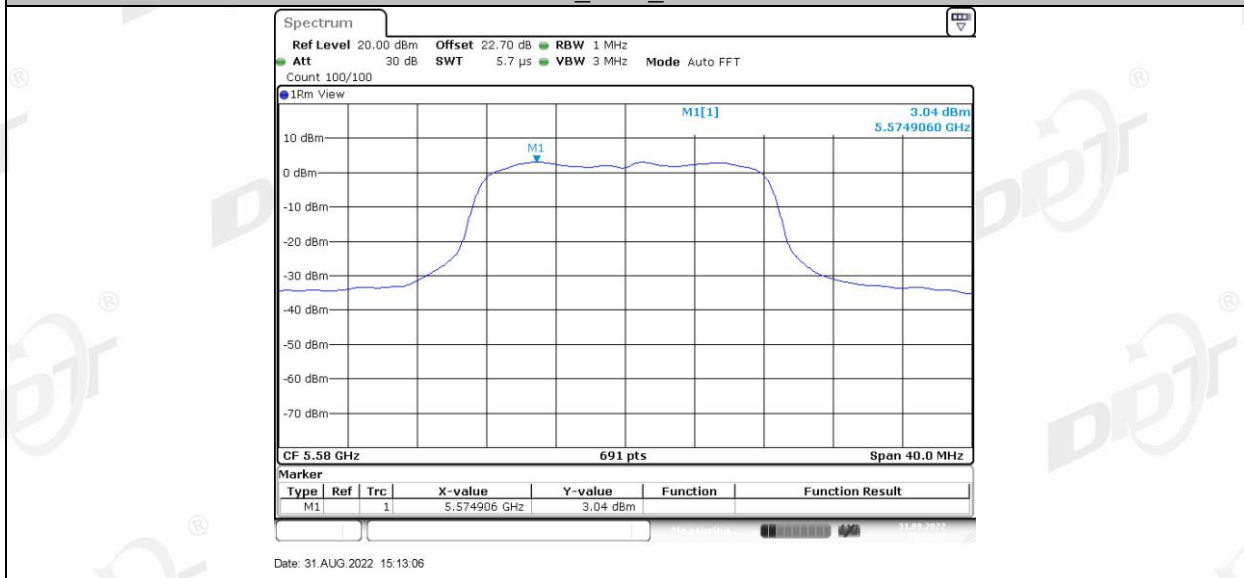
11A_Ant1_5320



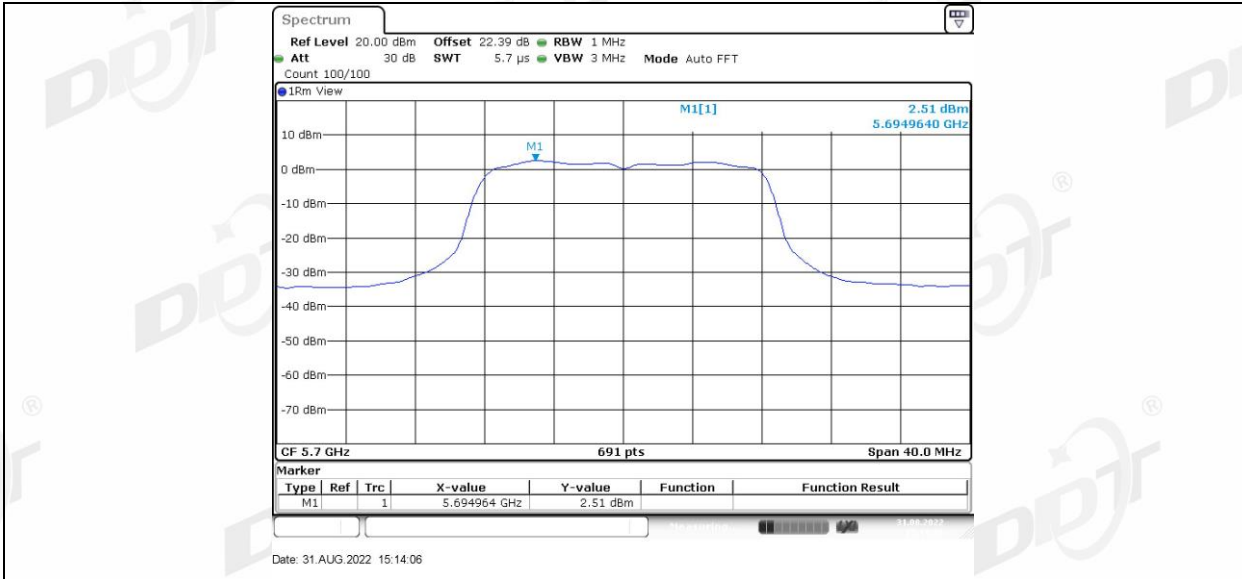
11A_Ant1_5500



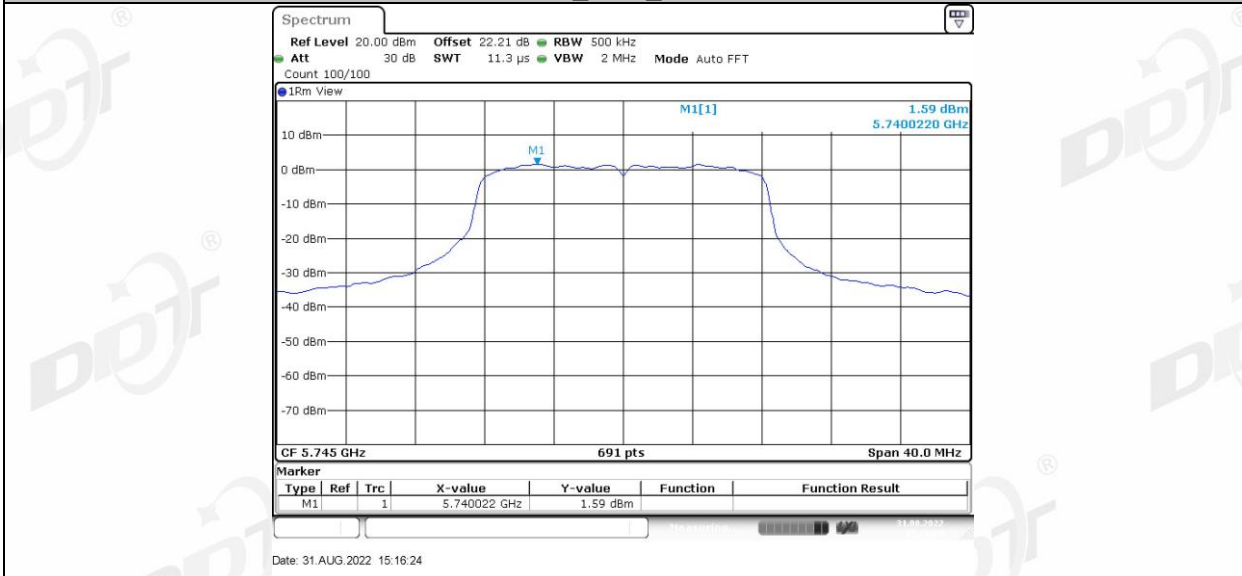
11A_Ant1_5580



11A_Ant1_5700



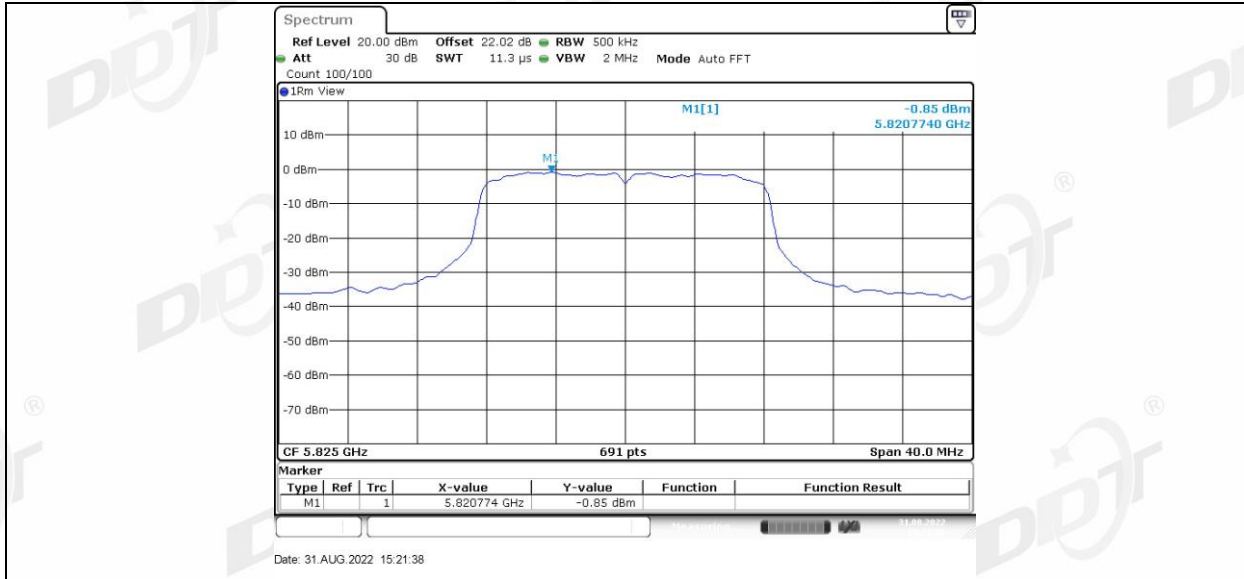
11A_Ant1_5745



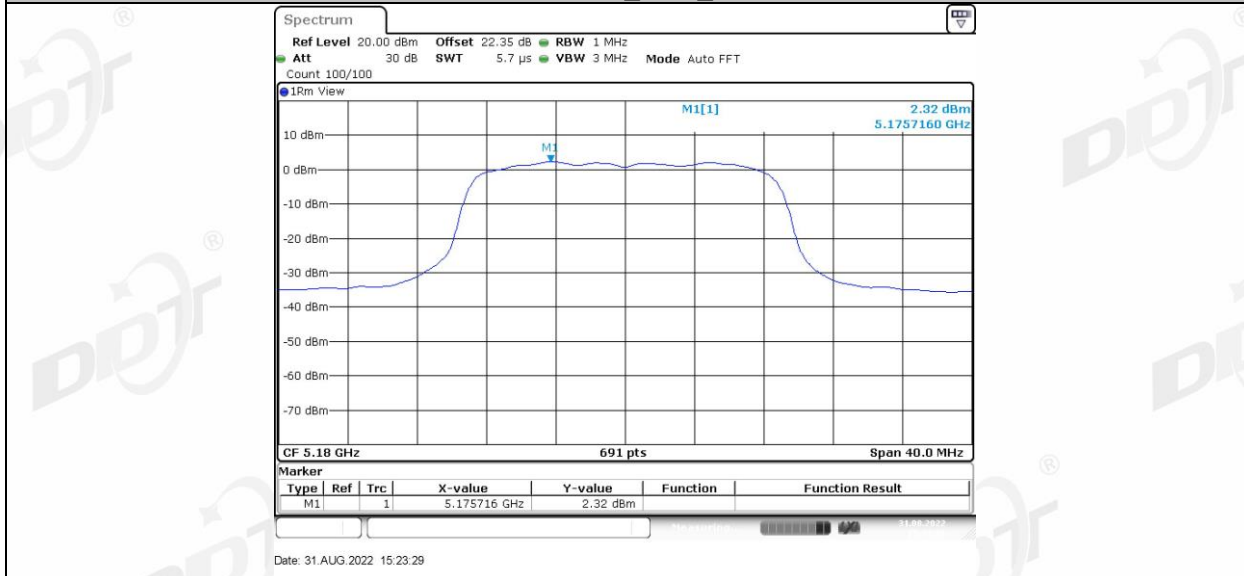
11A_Ant1_5785



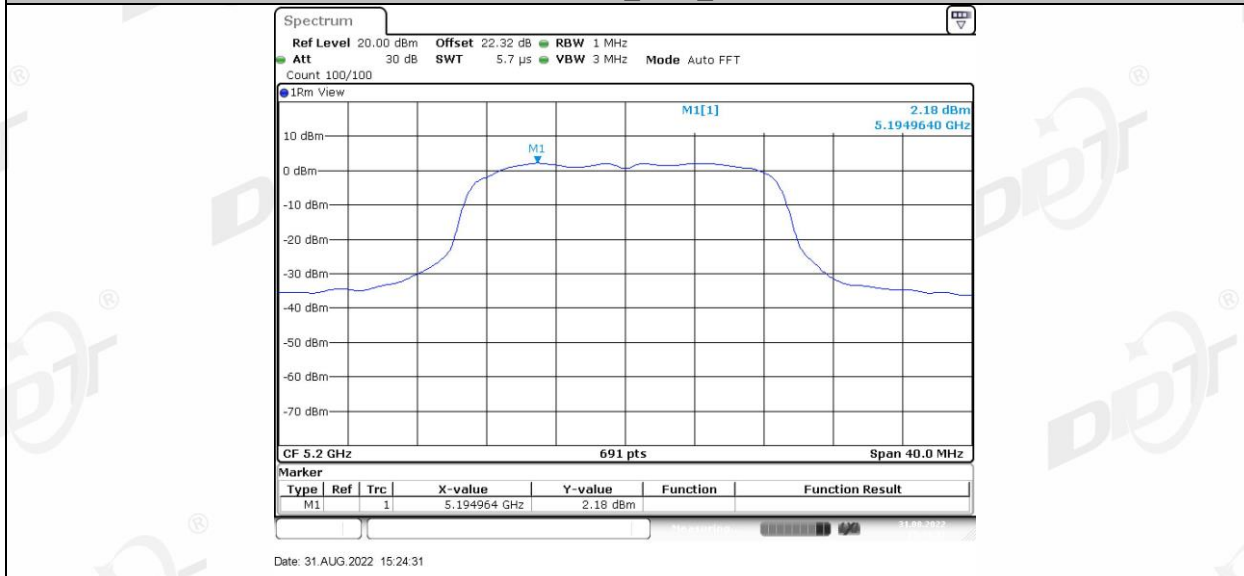
11A_Ant1_5825



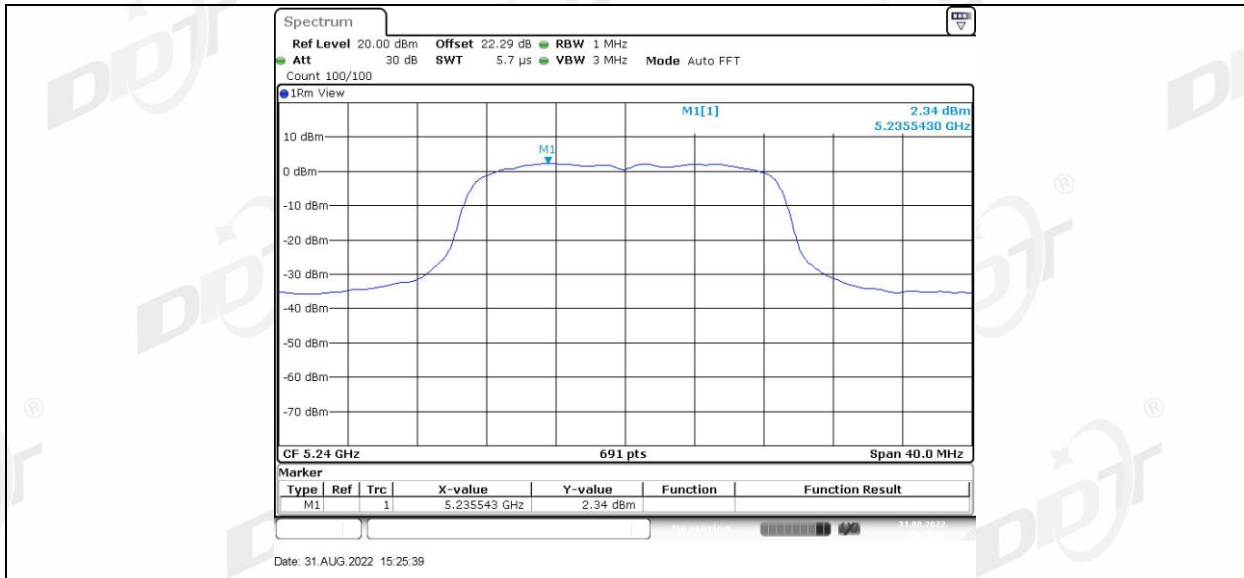
11N20SISO_Ant1_5180



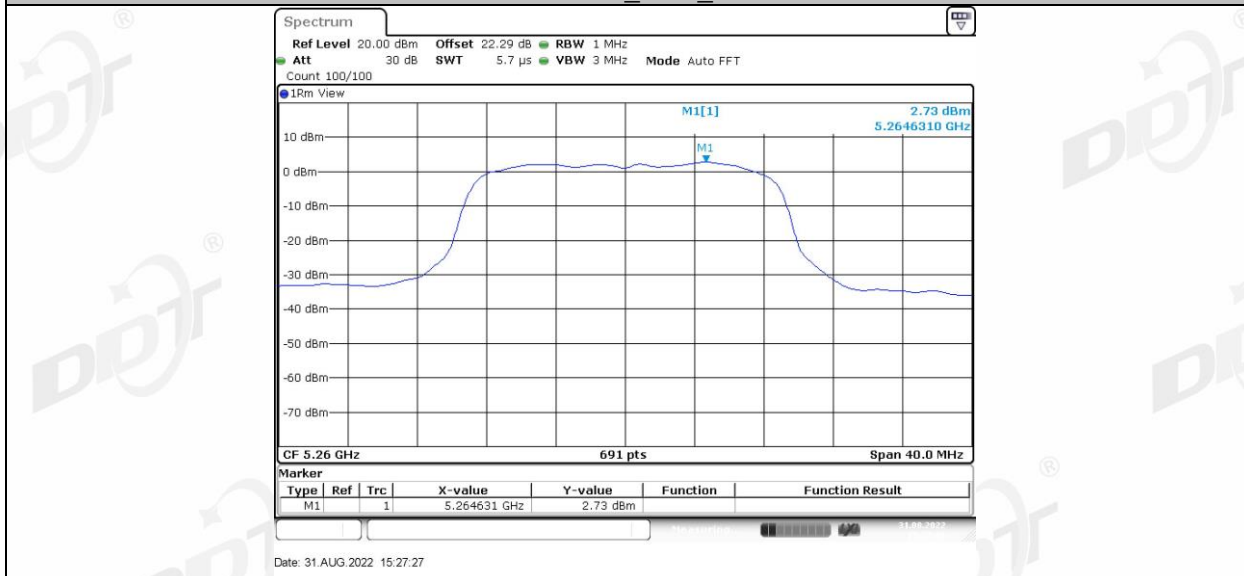
11N20SISO_Ant1_5200



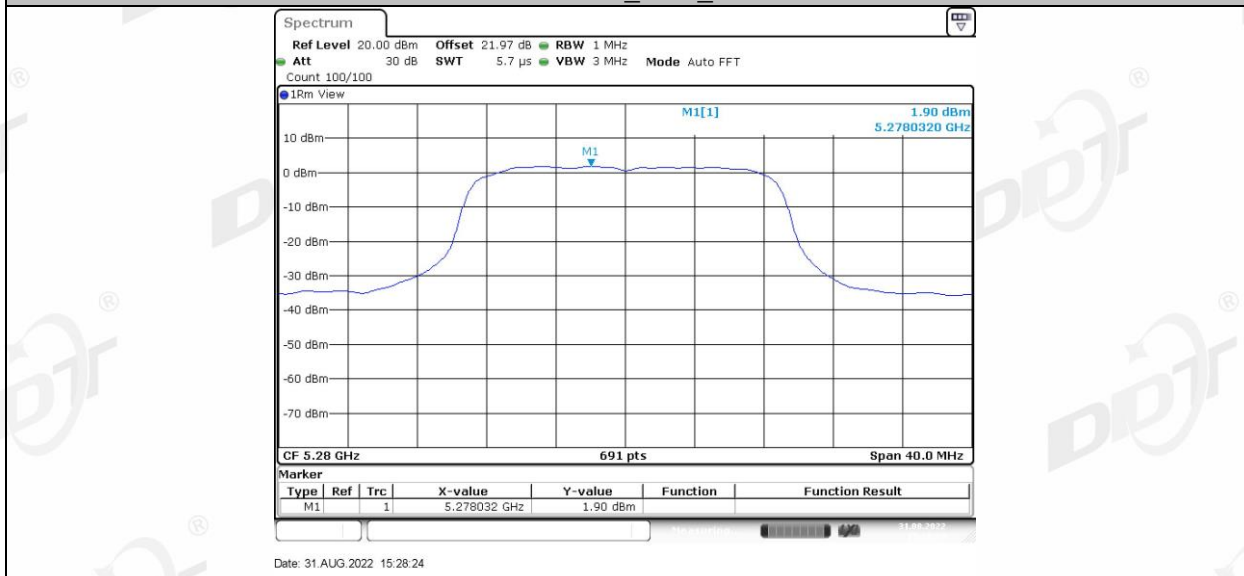
11N20SISO_Ant1_5240



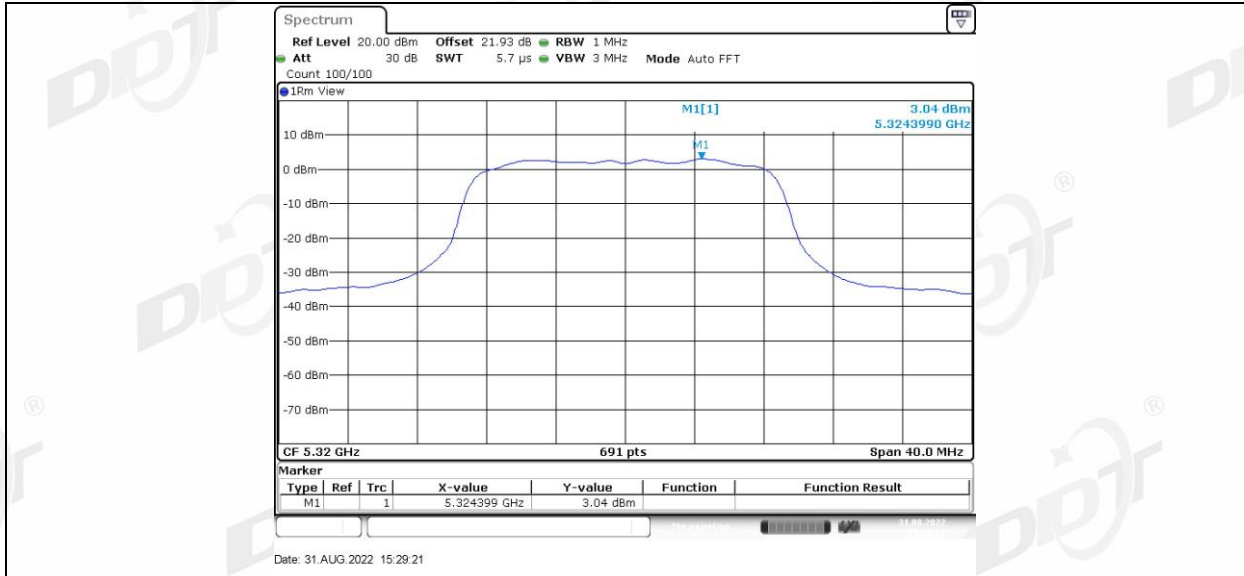
11N20SISO_Ant1_5260



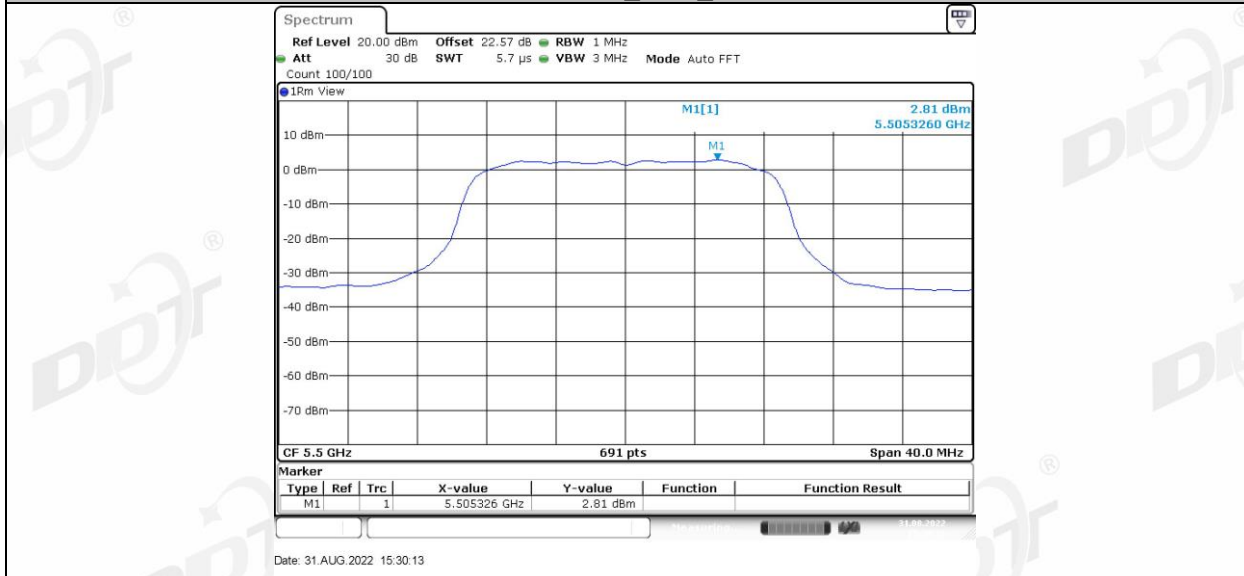
11N20SISO_Ant1_5280



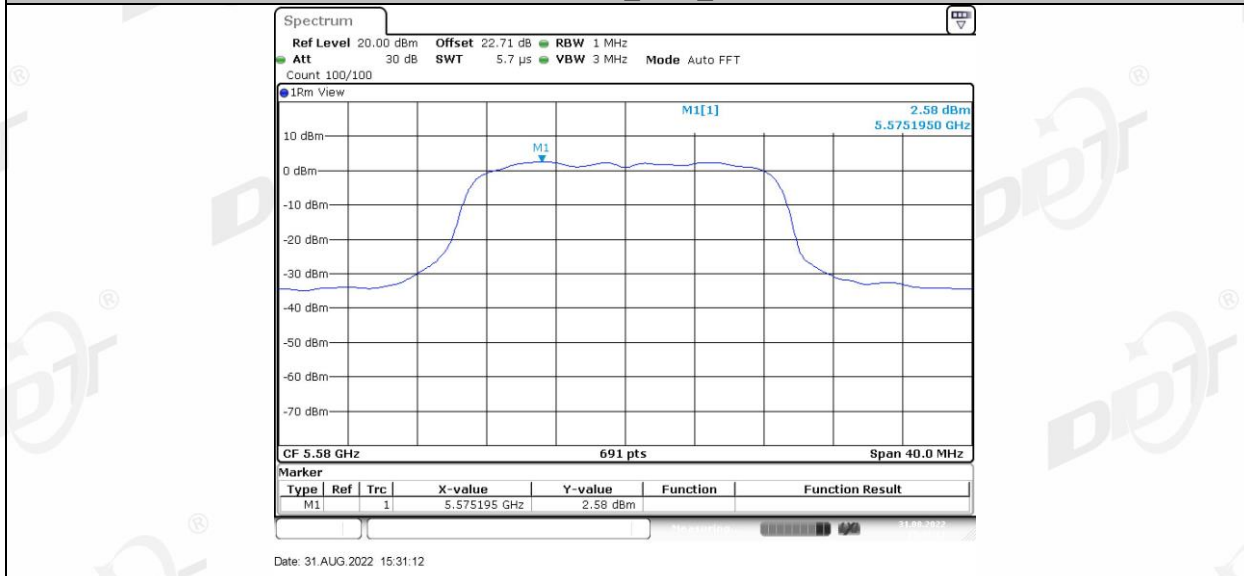
11N20SISO_Ant1_5320



11N20SISO_Ant1_5500



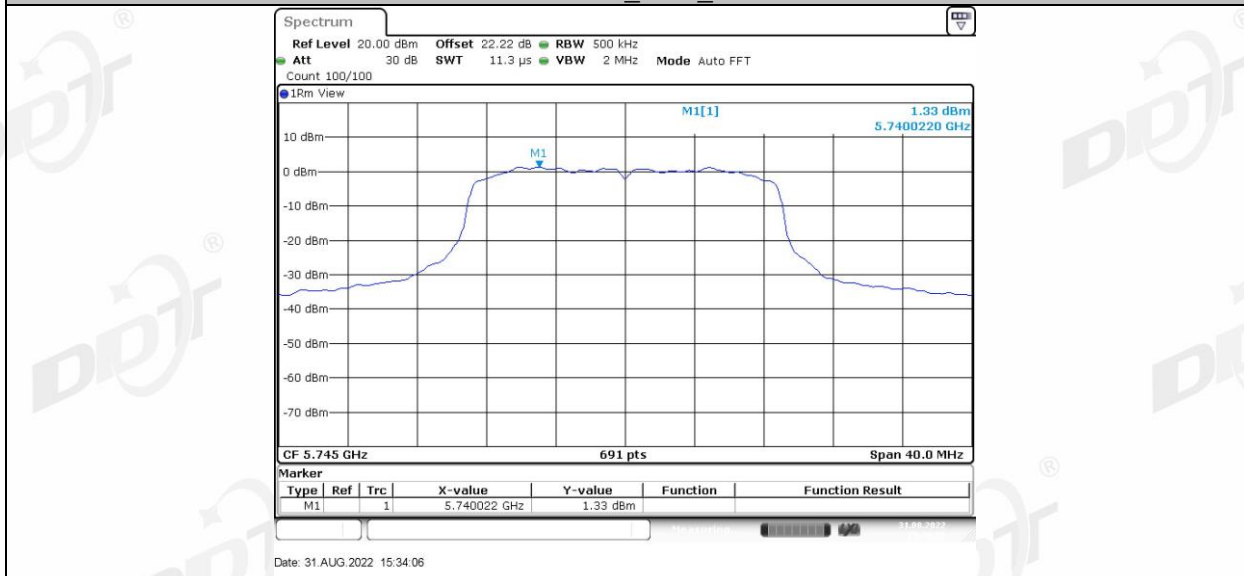
11N20SISO_Ant1_5580



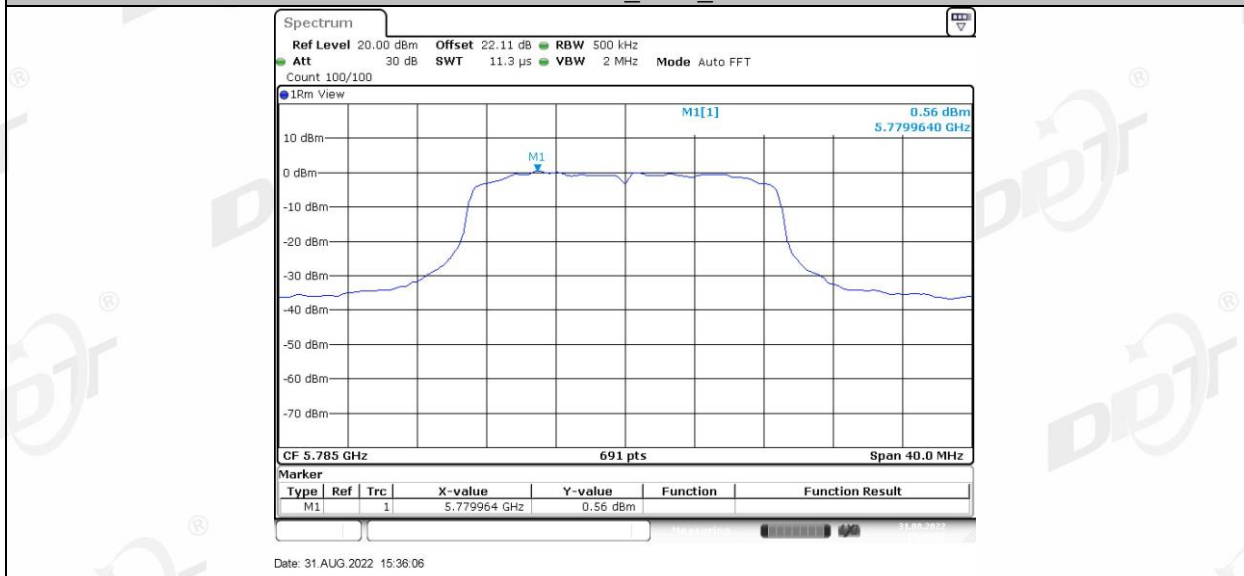
11N20SISO_Ant1_5700



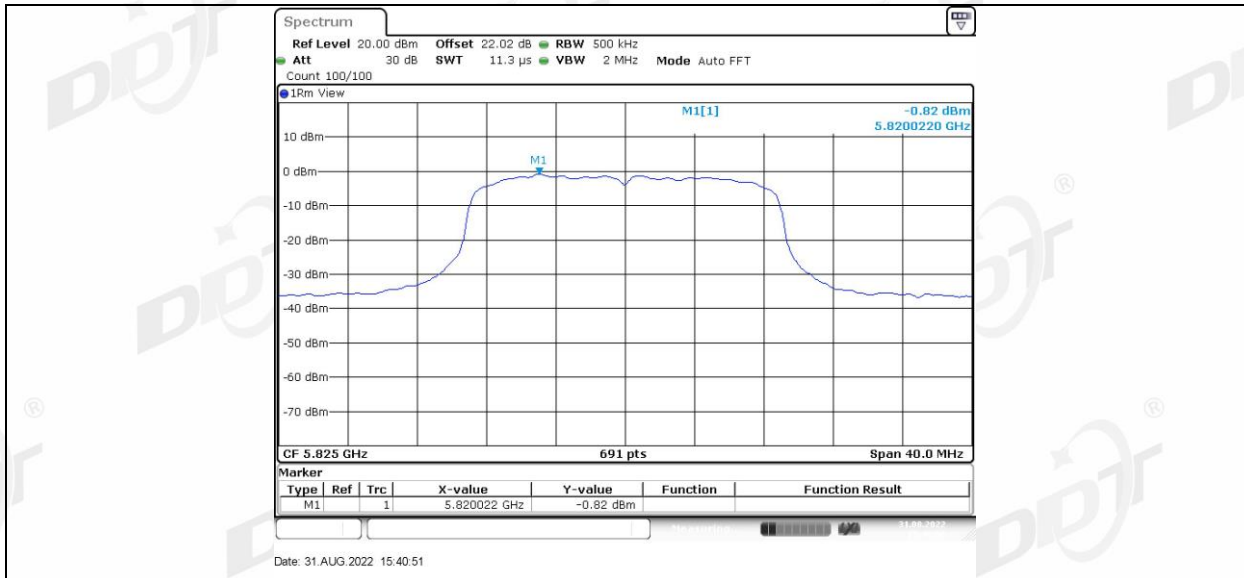
11N20SISO_Ant1_5745



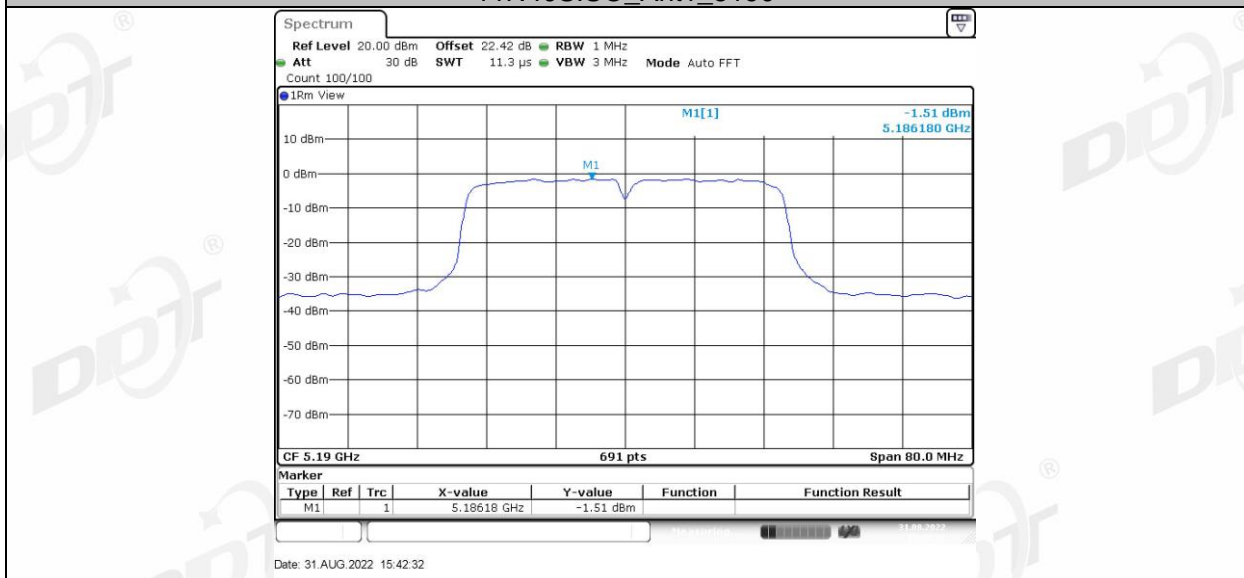
11N20SISO_Ant1_5785



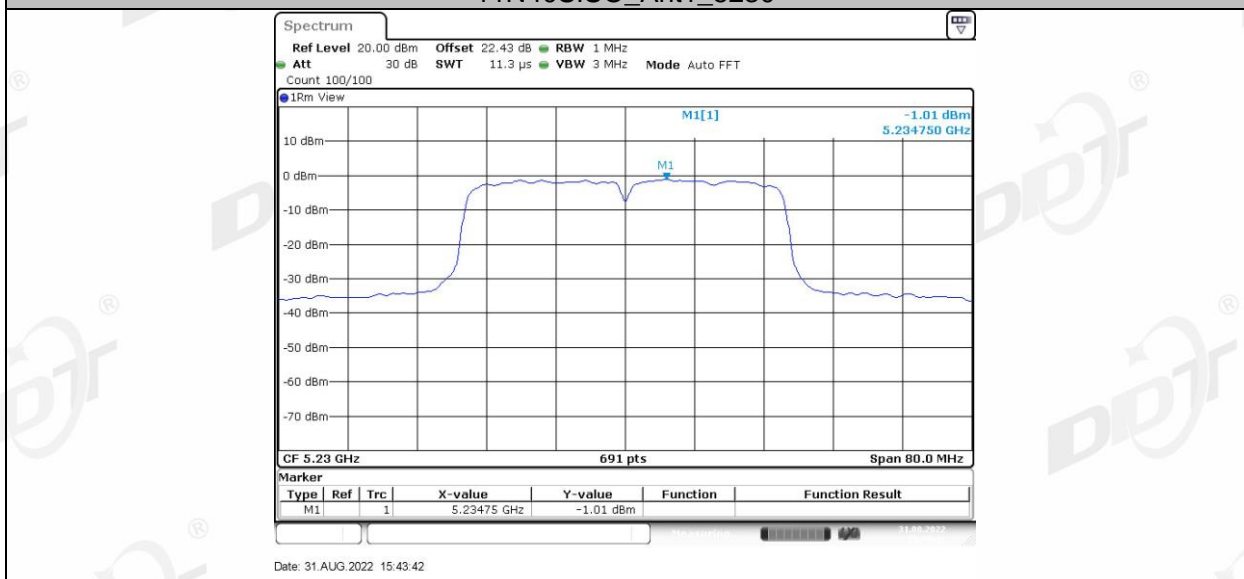
11N20SISO_Ant1_5825



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11N40SISO_Ant1_5270