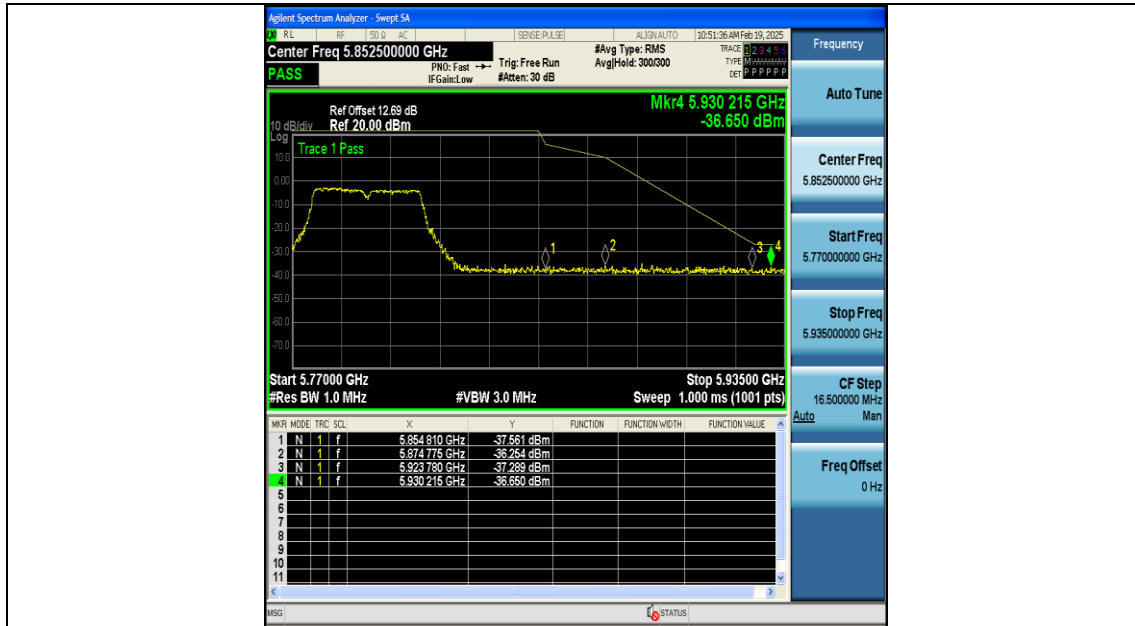
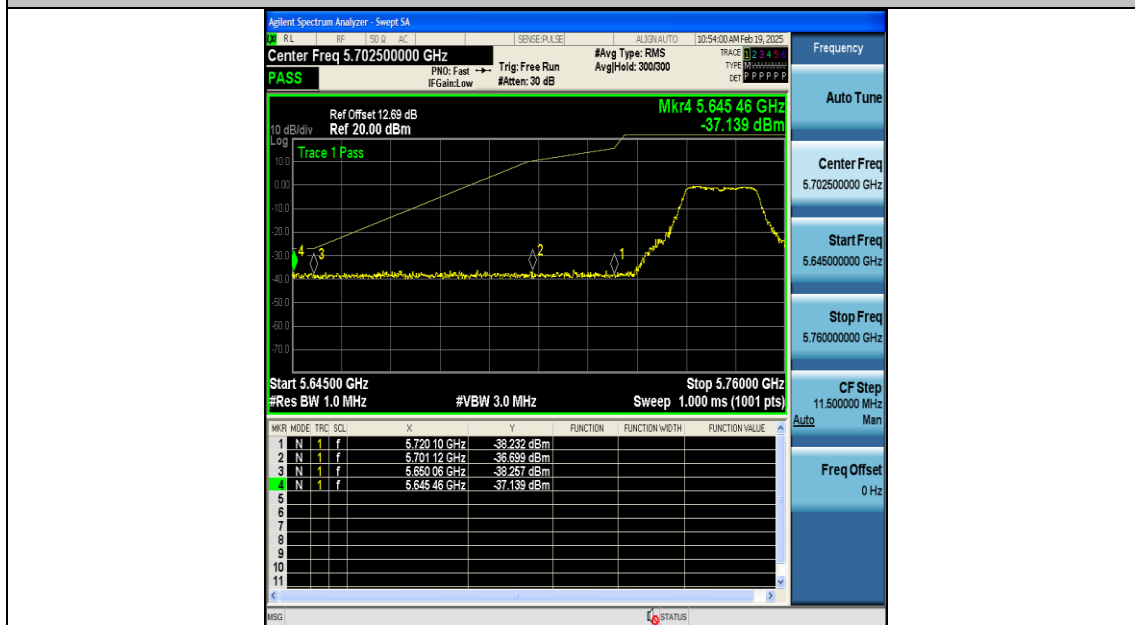
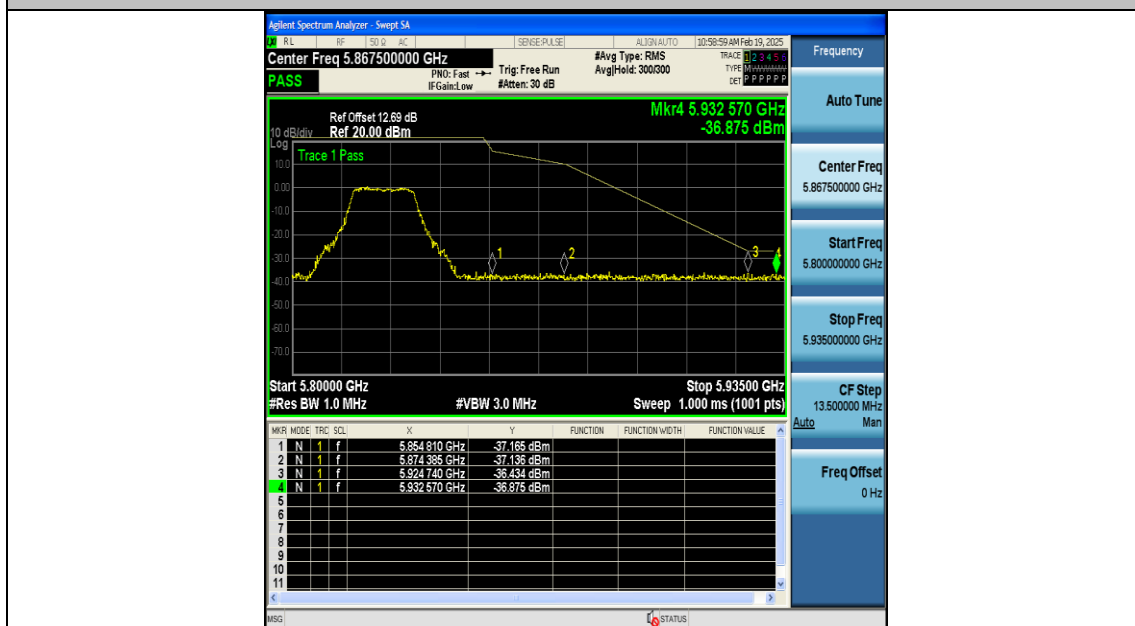




11N40SISO-Ant1-5795-PASS



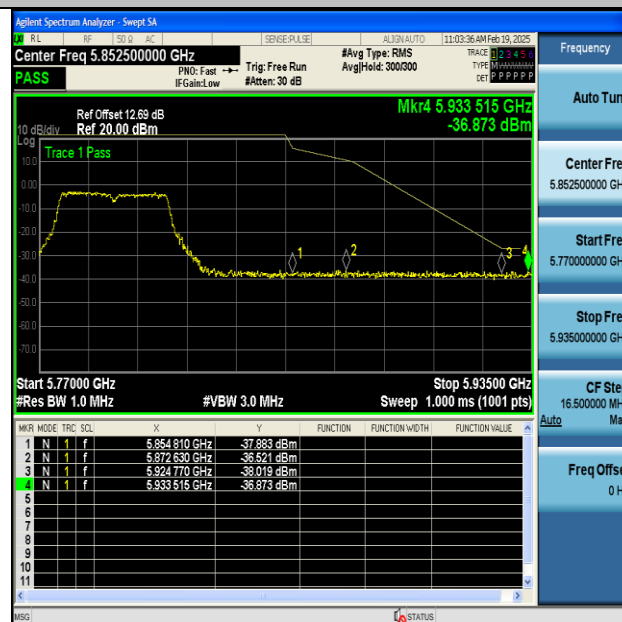
11AC20SISO-Ant1-5745-PASS



11AC20SISO-Ant1-5825-PASS



11AC40SISO-Ant1-5755-PASS



11AC40SISO-Ant1-5795-PASS



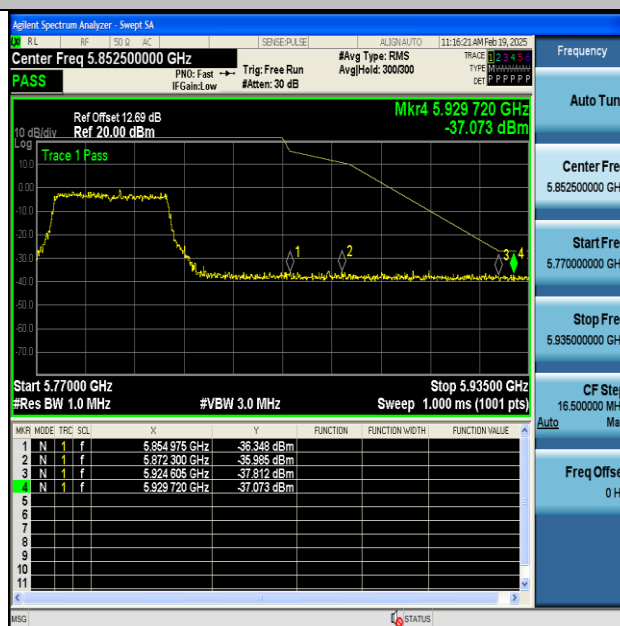
11AX20SISO-Ant1-5745-PASS



11AX20SISO-Ant1-5825-PASS



11AX40SISO-Ant1-5755-PASS



11AX40SISO-Ant1-5795-PASS

## Appendix E: Frequency Stability

### Test Result

Ant1

| Frequency<br>(MHz) | Environment<br>Temperature<br>(Degree) | Voltage<br>(VDC) | Measured<br>Frequency<br>(MHz) | Limit Range<br>(MHz) | Test<br>Results |
|--------------------|----------------------------------------|------------------|--------------------------------|----------------------|-----------------|
| 5745               | 20                                     | 4.07             | 5744.900978                    | 5725 – 5850          | PASS            |
| 5745               | 20                                     | 3.33             | 5745.041039                    | 5725 – 5850          | PASS            |
| 5745               | 50                                     | 3.70             | 5744.933548                    | 5725 – 5850          | PASS            |
| 5745               | 40                                     | 3.70             | 5745.050945                    | 5725 – 5850          | PASS            |
| 5745               | 30                                     | 3.70             | 5745.009926                    | 5725 – 5850          | PASS            |
| 5745               | 20                                     | 3.70             | 5744.907202                    | 5725 – 5850          | PASS            |
| 5745               | 10                                     | 3.70             | 5745.076732                    | 5725 – 5850          | PASS            |
| 5745               | 0                                      | 3.70             | 5745.084333                    | 5725 – 5850          | PASS            |
| 5745               | -10                                    | 3.70             | 5744.903159                    | 5725 – 5850          | PASS            |
| 5745               | -20                                    | 3.70             | 5745.033055                    | 5725 – 5850          | PASS            |
| 5745               | -30                                    | 3.70             | 5745.059729                    | 5725 – 5850          | PASS            |

Ant1

| Frequency<br>(MHz) | Enviroment<br>Temperature<br>(Dregree) | Voltage<br>(VDC) | Measured<br>Frequency<br>(MHz) | Limit Range<br>(MHz) | Test<br>Results |
|--------------------|----------------------------------------|------------------|--------------------------------|----------------------|-----------------|
| 5785               | 20                                     | 4.07             | 5784.918658                    | 5725 – 5850          | PASS            |
| 5785               | 20                                     | 3.33             | 5784.976167                    | 5725 – 5850          | PASS            |
| 5785               | 50                                     | 3.70             | 5785.027551                    | 5725 – 5850          | PASS            |
| 5785               | 40                                     | 3.70             | 5784.962090                    | 5725 – 5850          | PASS            |
| 5785               | 30                                     | 3.70             | 5784.990629                    | 5725 – 5850          | PASS            |
| 5785               | 20                                     | 3.70             | 5784.998354                    | 5725 – 5850          | PASS            |
| 5785               | 10                                     | 3.70             | 5785.012681                    | 5725 – 5850          | PASS            |
| 5785               | 0                                      | 3.70             | 5785.059765                    | 5725 – 5850          | PASS            |
| 5785               | -10                                    | 3.70             | 5784.912339                    | 5725 – 5850          | PASS            |
| 5785               | -20                                    | 3.70             | 5785.074352                    | 5725 – 5850          | PASS            |
| 5785               | -30                                    | 3.70             | 5784.912952                    | 5725 – 5850          | PASS            |

Ant1

| Frequency<br>(MHz) | Enviroment<br>Temperature<br>(Dregree) | Voltage<br>(VDC) | Measured<br>Frequency<br>(MHz) | Limit Range<br>(MHz) | Test<br>Results |
|--------------------|----------------------------------------|------------------|--------------------------------|----------------------|-----------------|
| 5825               | 20                                     | 4.07             | 5824.902968                    | 5725 – 5850          | PASS            |
| 5825               | 20                                     | 3.33             | 5824.910994                    | 5725 – 5850          | PASS            |
| 5825               | 50                                     | 3.70             | 5824.955446                    | 5725 – 5850          | PASS            |
| 5825               | 40                                     | 3.70             | 5824.950636                    | 5725 – 5850          | PASS            |
| 5825               | 30                                     | 3.70             | 5824.982370                    | 5725 – 5850          | PASS            |
| 5825               | 20                                     | 3.70             | 5825.085909                    | 5725 – 5850          | PASS            |
| 5825               | 10                                     | 3.70             | 5824.906989                    | 5725 – 5850          | PASS            |
| 5825               | 0                                      | 3.70             | 5825.008848                    | 5725 – 5850          | PASS            |
| 5825               | -10                                    | 3.70             | 5824.975844                    | 5725 – 5850          | PASS            |
| 5825               | -20                                    | 3.70             | 5824.953194                    | 5725 – 5850          | PASS            |
| 5825               | -30                                    | 3.70             | 5825.032182                    | 5725 – 5850          | PASS            |

Ant1

| Frequency<br>(MHz) | Enviroment<br>Temperature<br>(Dregree) | Voltage<br>(VDC) | Measured<br>Frequency<br>(MHz) | Limit Range<br>(MHz) | Test<br>Results |
|--------------------|----------------------------------------|------------------|--------------------------------|----------------------|-----------------|
| 5755               | 20                                     | 4.07             | 5755.085781                    | 5725 – 5850          | PASS            |
| 5755               | 20                                     | 3.33             | 5755.018576                    | 5725 – 5850          | PASS            |
| 5755               | 50                                     | 3.70             | 5754.997551                    | 5725 – 5850          | PASS            |
| 5755               | 40                                     | 3.70             | 5755.045244                    | 5725 – 5850          | PASS            |
| 5755               | 30                                     | 3.70             | 5755.005085                    | 5725 – 5850          | PASS            |
| 5755               | 20                                     | 3.70             | 5754.993754                    | 5725 – 5850          | PASS            |
| 5755               | 10                                     | 3.70             | 5755.045784                    | 5725 – 5850          | PASS            |
| 5755               | 0                                      | 3.70             | 5754.938192                    | 5725 – 5850          | PASS            |
| 5755               | -10                                    | 3.70             | 5755.050014                    | 5725 – 5850          | PASS            |
| 5755               | -20                                    | 3.70             | 5754.939851                    | 5725 – 5850          | PASS            |
| 5755               | -30                                    | 3.70             | 5755.084397                    | 5725 – 5850          | PASS            |

Ant1

| Frequency<br>(MHz) | Enviroment<br>Temperature<br>(Dregree) | Voltage<br>(VDC) | Measured<br>Frequency<br>(MHz) | Limit Range<br>(MHz) | Test<br>Results |
|--------------------|----------------------------------------|------------------|--------------------------------|----------------------|-----------------|
| 5795               | 20                                     | 4.07             | 5794.976560                    | 5725 – 5850          | PASS            |
| 5795               | 20                                     | 3.33             | 5794.980464                    | 5725 – 5850          | PASS            |
| 5795               | 50                                     | 3.70             | 5795.053547                    | 5725 – 5850          | PASS            |
| 5795               | 40                                     | 3.70             | 5795.071755                    | 5725 – 5850          | PASS            |
| 5795               | 30                                     | 3.70             | 5794.989789                    | 5725 – 5850          | PASS            |
| 5795               | 20                                     | 3.70             | 5794.909062                    | 5725 – 5850          | PASS            |
| 5795               | 10                                     | 3.70             | 5795.070606                    | 5725 – 5850          | PASS            |
| 5795               | 0                                      | 3.70             | 5794.943231                    | 5725 – 5850          | PASS            |
| 5795               | -10                                    | 3.70             | 5794.943866                    | 5725 – 5850          | PASS            |
| 5795               | -20                                    | 3.70             | 5795.024793                    | 5725 – 5850          | PASS            |
| 5795               | -30                                    | 3.70             | 5795.006434                    | 5725 – 5850          | PASS            |

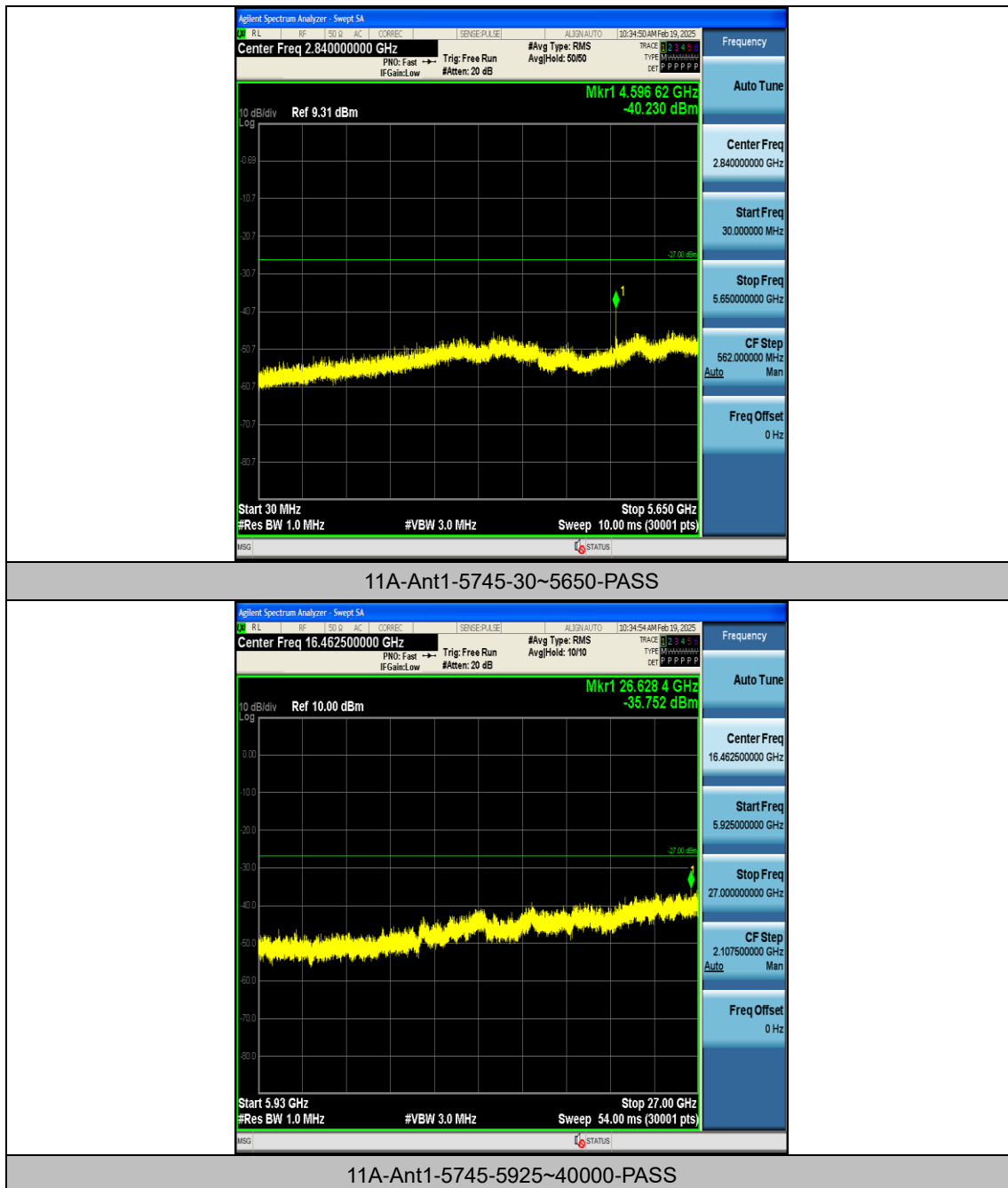


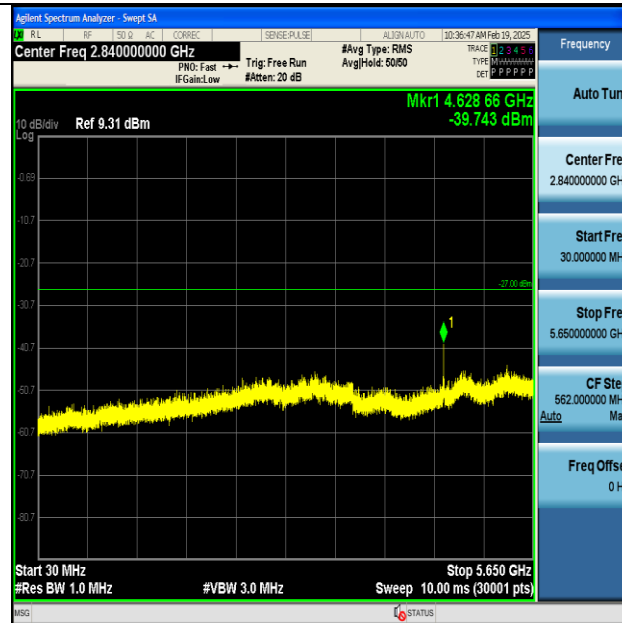
## Appendix F: Conducted Spurious Emission

### Test Result

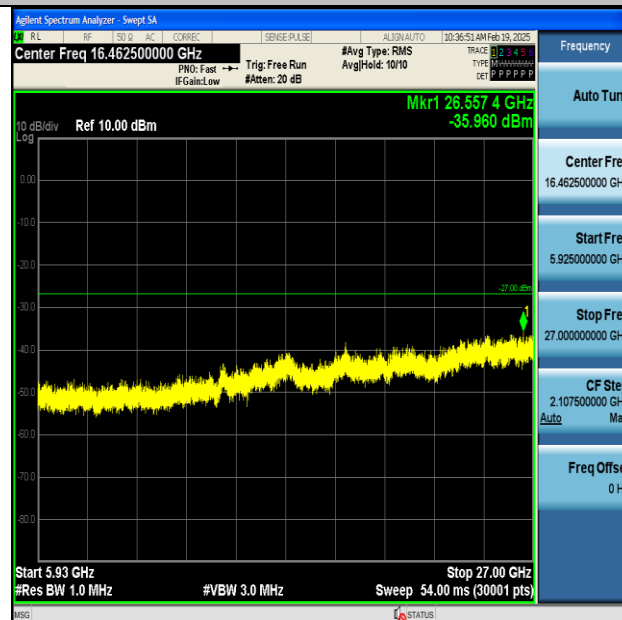
| TestMode   | Antenna | Frequency[MHz] | FreqRange [MHz] | Max. Fre [MHz] | Max. Level [dBm] | Limit [dBm] | Verdict |
|------------|---------|----------------|-----------------|----------------|------------------|-------------|---------|
| 11A        | Ant1    | 5745           | 30~5650         | 4596.62        | -40.23           | ≤-27        | PASS    |
| 11A        | Ant1    | 5745           | 5925~40000      | 26628.38       | -35.75           | ≤-27        | PASS    |
| 11A        | Ant1    | 5785           | 30~5650         | 4628.66        | -39.74           | ≤-27        | PASS    |
| 11A        | Ant1    | 5785           | 5925~40000      | 26557.43       | -35.96           | ≤-27        | PASS    |
| 11A        | Ant1    | 5825           | 30~5650         | 4660.69        | -40.53           | ≤-27        | PASS    |
| 11A        | Ant1    | 5825           | 5925~40000      | 26698.63       | -34.01           | ≤-27        | PASS    |
| 11N20SISO  | Ant1    | 5745           | 30~5650         | 4596.44        | -39.74           | ≤-27        | PASS    |
| 11N20SISO  | Ant1    | 5745           | 5925~40000      | 26652.97       | -36.03           | ≤-27        | PASS    |
| 11N20SISO  | Ant1    | 5785           | 30~5650         | 4628.47        | -39.73           | ≤-27        | PASS    |
| 11N20SISO  | Ant1    | 5785           | 5925~40000      | 25935.01       | -36.08           | ≤-27        | PASS    |
| 11N20SISO  | Ant1    | 5825           | 30~5650         | 4660.51        | -39.64           | ≤-27        | PASS    |
| 11N20SISO  | Ant1    | 5825           | 5925~40000      | 26134.52       | -35.12           | ≤-27        | PASS    |
| 11N40SISO  | Ant1    | 5755           | 30~5650         | 4604.68        | -40.45           | ≤-27        | PASS    |
| 11N40SISO  | Ant1    | 5755           | 5925~40000      | 26030.55       | -35.13           | ≤-27        | PASS    |
| 11N40SISO  | Ant1    | 5795           | 30~5650         | 4636.53        | -38.99           | ≤-27        | PASS    |
| 11N40SISO  | Ant1    | 5795           | 5925~40000      | 26138.03       | -35.54           | ≤-27        | PASS    |
| 11AC20SISO | Ant1    | 5745           | 30~5650         | 4596.62        | -40.01           | ≤-27        | PASS    |
| 11AC20SISO | Ant1    | 5745           | 5925~40000      | 26596.06       | -35.75           | ≤-27        | PASS    |
| 11AC20SISO | Ant1    | 5785           | 30~5650         | 4628.66        | -39.88           | ≤-27        | PASS    |
| 11AC20SISO | Ant1    | 5785           | 5925~40000      | 25968.03       | -35.77           | ≤-27        | PASS    |
| 11AC20SISO | Ant1    | 5825           | 30~5650         | 4660.51        | -40.49           | ≤-27        | PASS    |
| 11AC20SISO | Ant1    | 5825           | 5925~40000      | 24459.76       | -35.46           | ≤-27        | PASS    |
| 11AC40SISO | Ant1    | 5755           | 30~5650         | 4604.49        | -40.35           | ≤-27        | PASS    |
| 11AC40SISO | Ant1    | 5755           | 5925~40000      | 25039.32       | -35.11           | ≤-27        | PASS    |
| 11AC40SISO | Ant1    | 5795           | 30~5650         | 4636.71        | -38.92           | ≤-27        | PASS    |
| 11AC40SISO | Ant1    | 5795           | 5925~40000      | 25914.64       | -35.73           | ≤-27        | PASS    |
| 11AX20SISO | Ant1    | 5745           | 30~5650         | 4596.44        | -40.43           | ≤-27        | PASS    |
| 11AX20SISO | Ant1    | 5745           | 5925~40000      | 26823.67       | -36.16           | ≤-27        | PASS    |
| 11AX20SISO | Ant1    | 5785           | 30~5650         | 4628.66        | -39.08           | ≤-27        | PASS    |
| 11AX20SISO | Ant1    | 5785           | 5925~40000      | 24989.45       | -35.11           | ≤-27        | PASS    |
| 11AX20SISO | Ant1    | 5825           | 30~5650         | 4660.51        | -40.42           | ≤-27        | PASS    |
| 11AX20SISO | Ant1    | 5825           | 5925~40000      | 26511.06       | -35.85           | ≤-27        | PASS    |
| 11AX40SISO | Ant1    | 5755           | 30~5650         | 4604.49        | -40.02           | ≤-27        | PASS    |
| 11AX40SISO | Ant1    | 5755           | 5925~40000      | 25991.91       | -35.36           | ≤-27        | PASS    |
| 11AX40SISO | Ant1    | 5795           | 30~5650         | 4636.71        | -39.01           | ≤-27        | PASS    |
| 11AX40SISO | Ant1    | 5795           | 5925~40000      | 26141.55       | -35.7            | ≤-27        | PASS    |

## Test Graphs

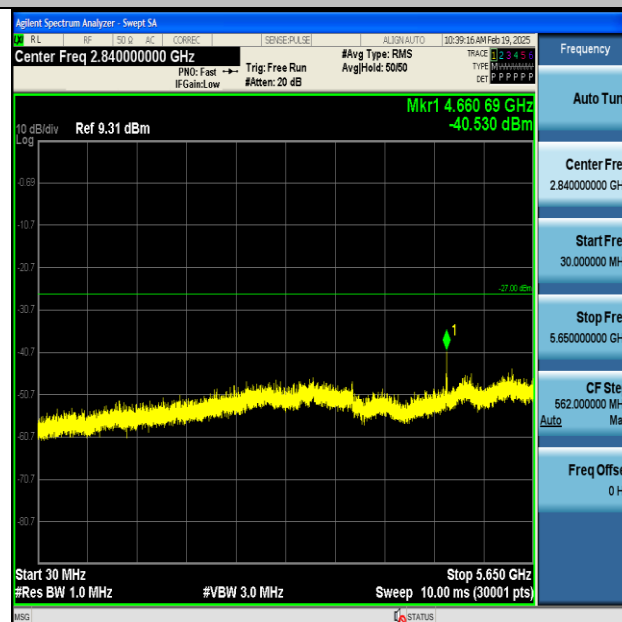




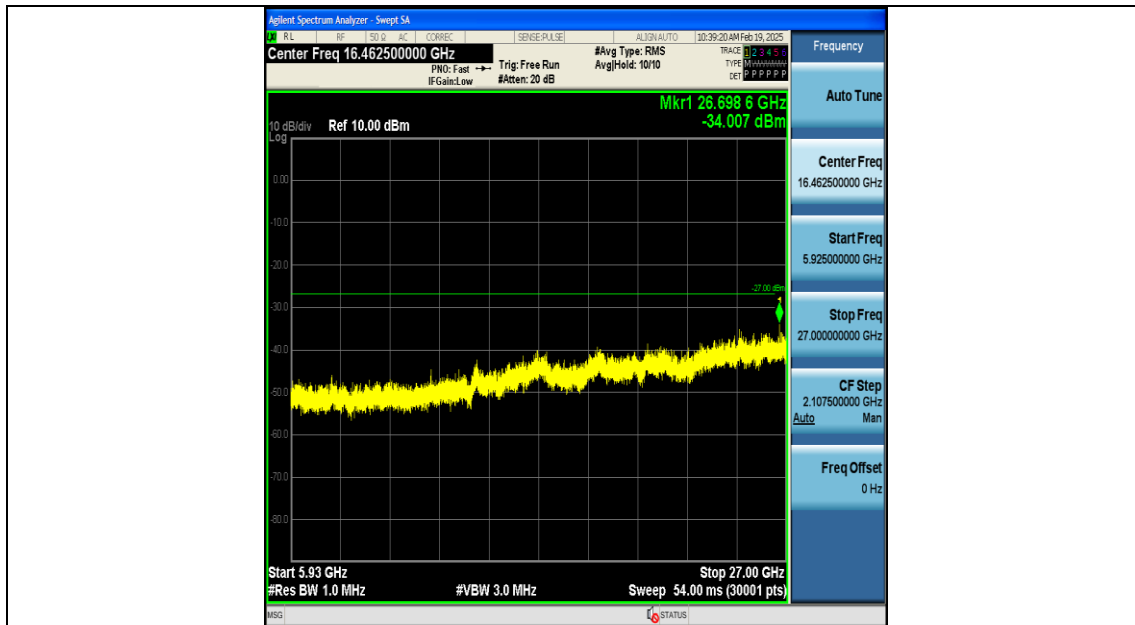
11A-Ant1-5785-30~5650-PASS



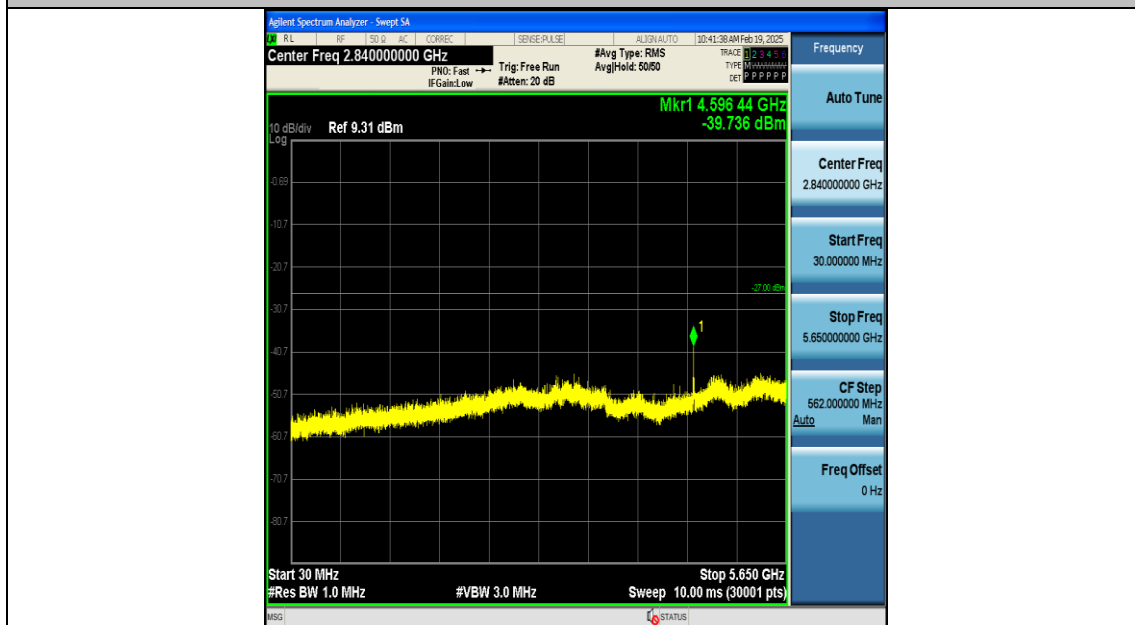
11A-Ant1-5785-5925~40000-PASS



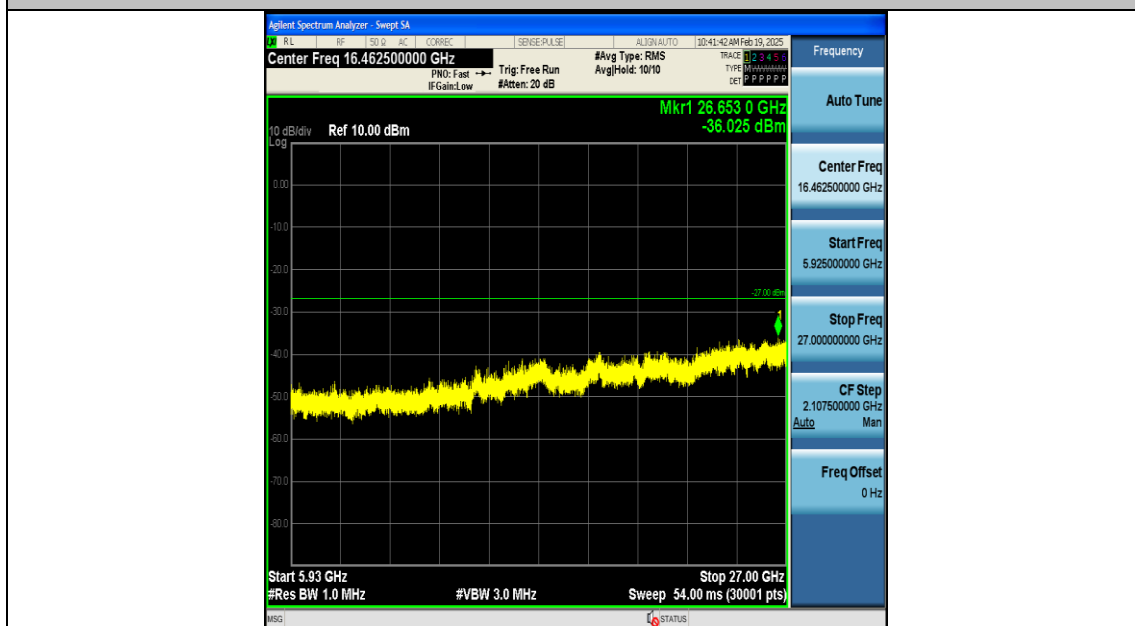
11A-Ant1-5825-30~5650-PASS



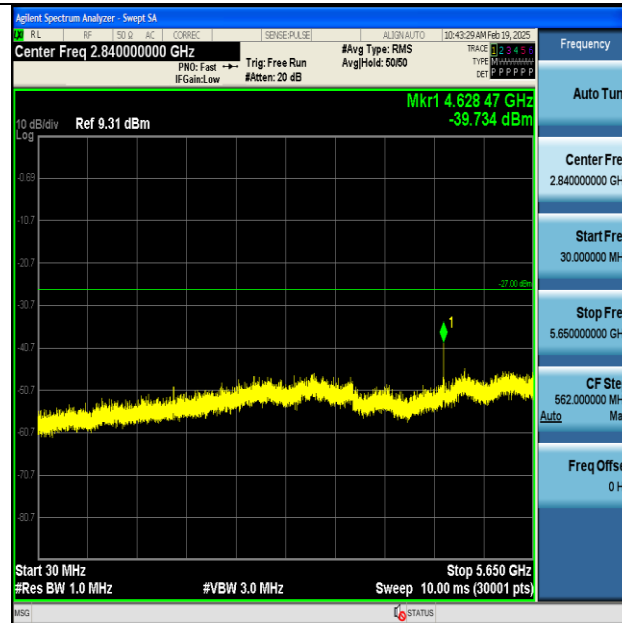
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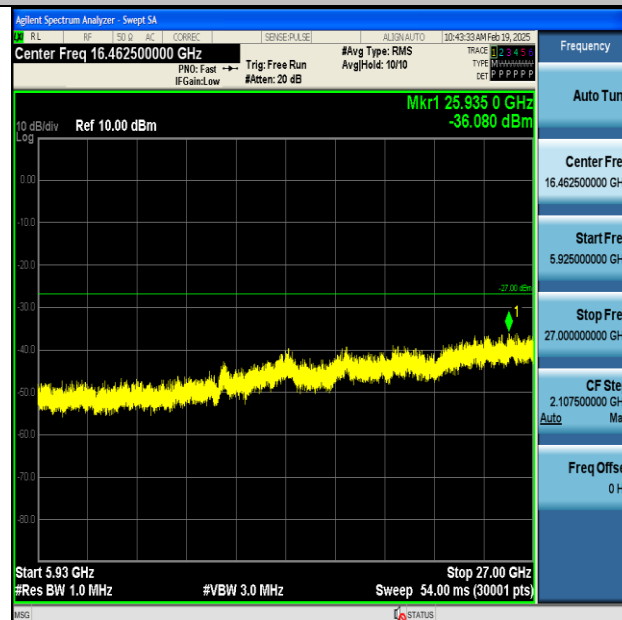
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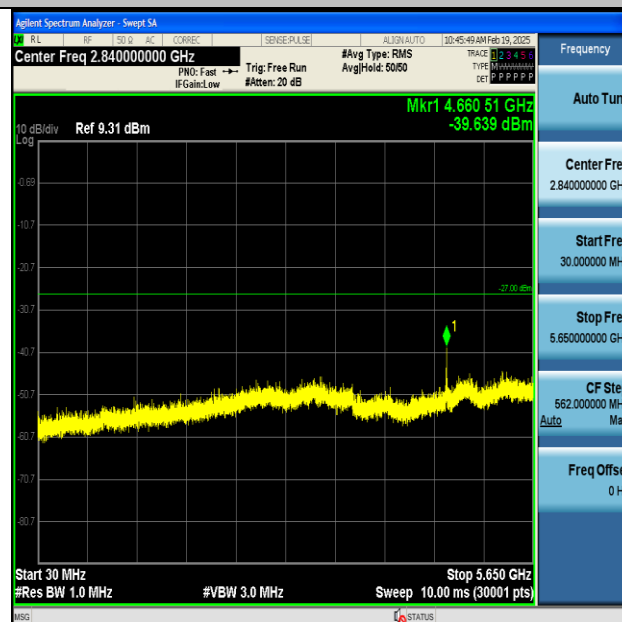
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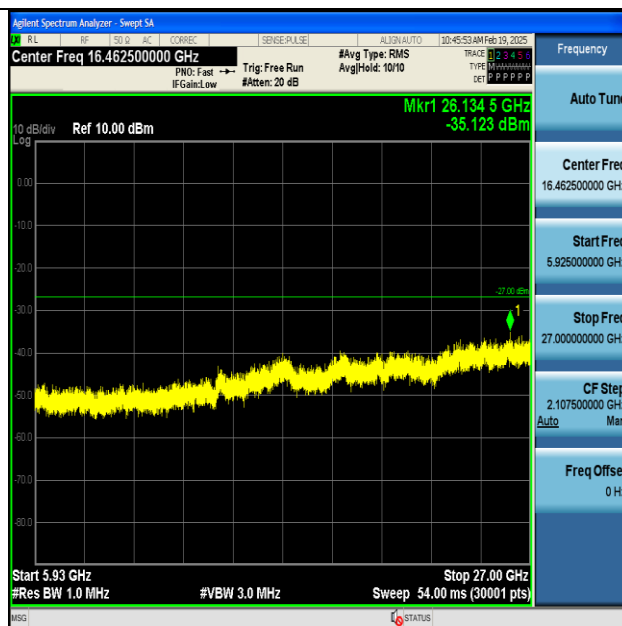
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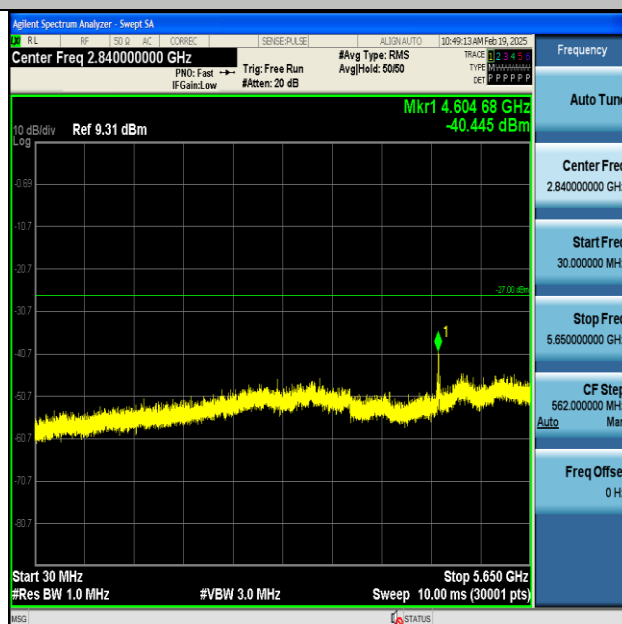
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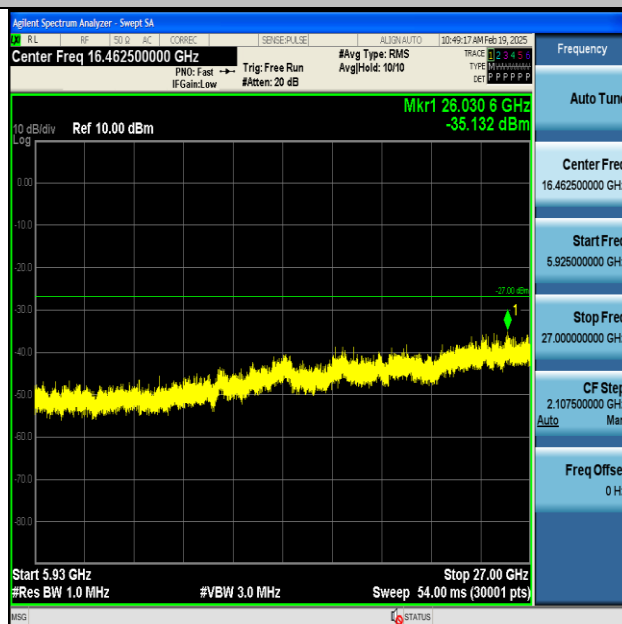
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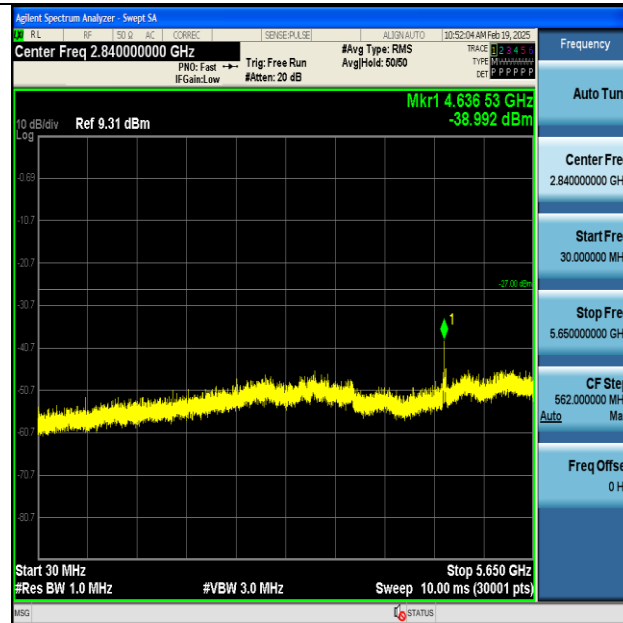
11N20SISO-Ant1-5825-5925~40000-PASS



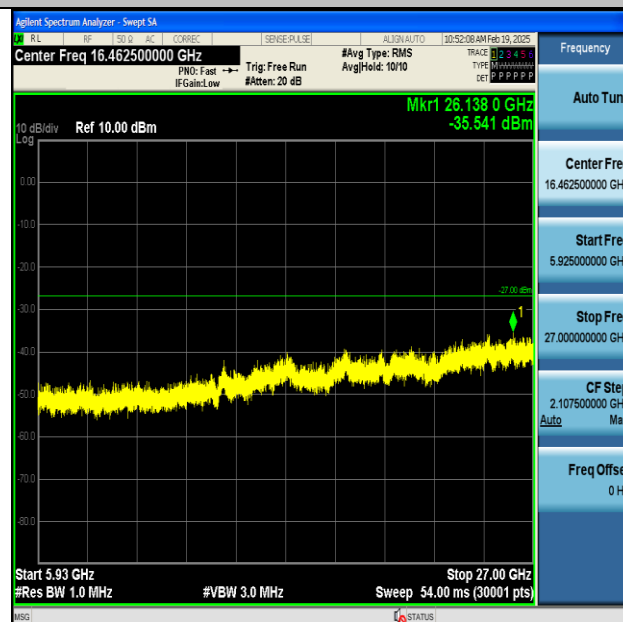
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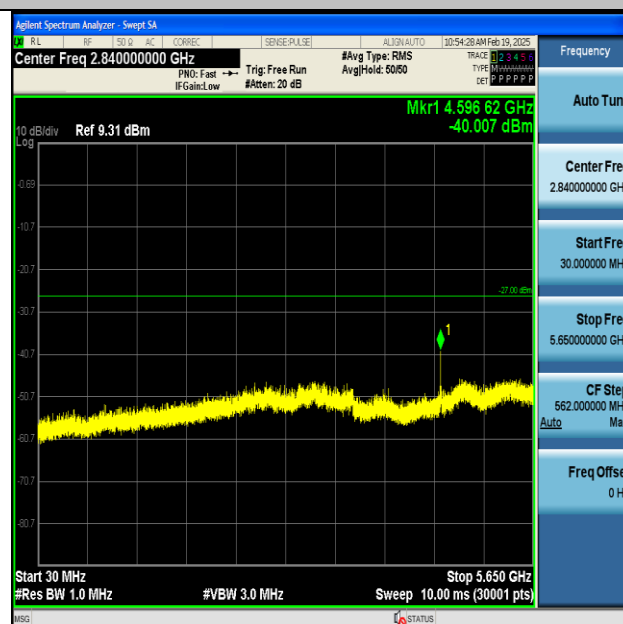
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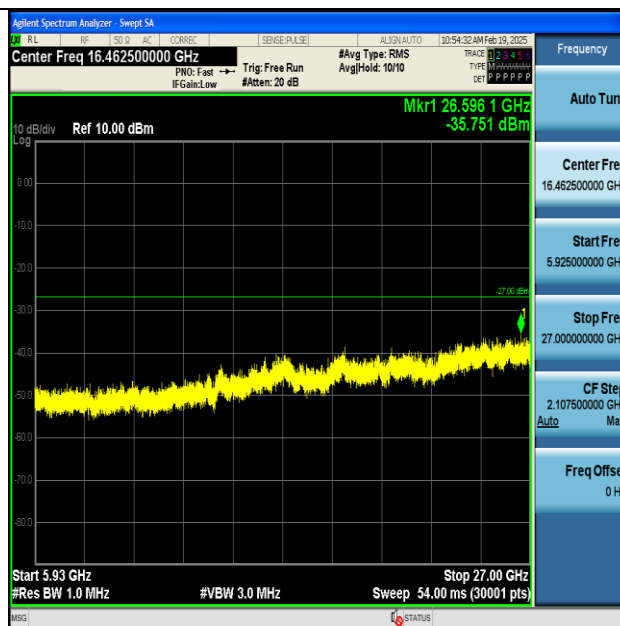
11N40SISO-Ant1-5795-30~5650-PASS



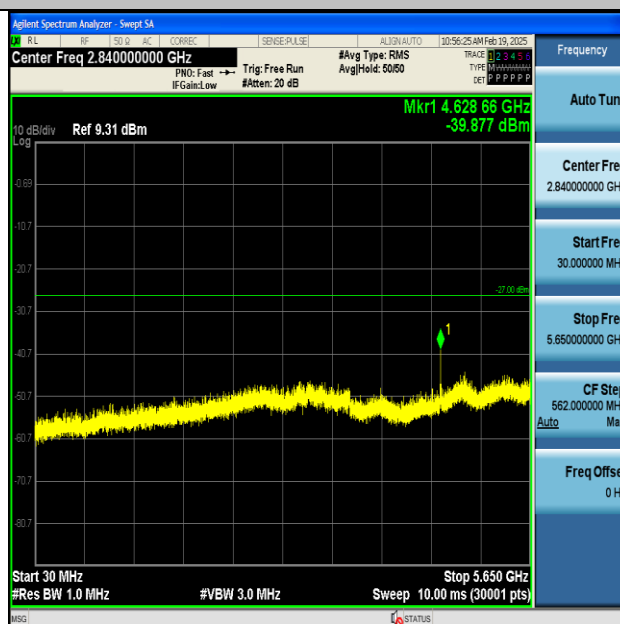
11N40SISO-Ant1-5795-5925~40000-PASS



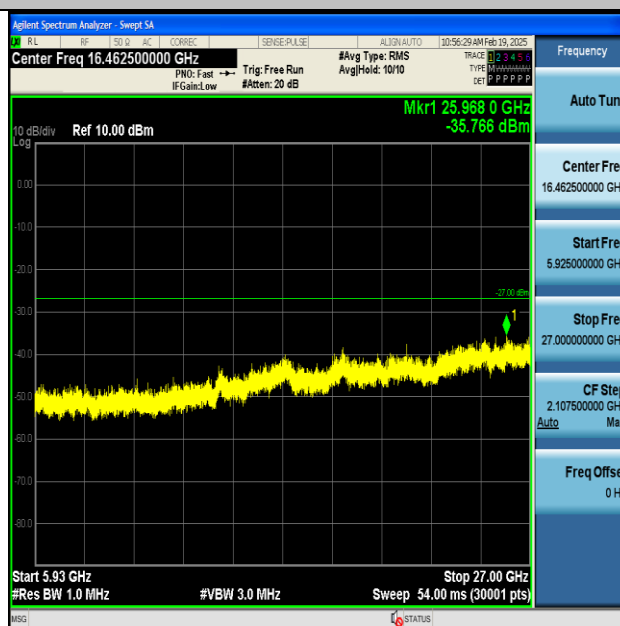
11AC20SISO-Ant1-5745-30~5650-PASS



11AC20SISO-Ant1-5745-5925~40000-PASS

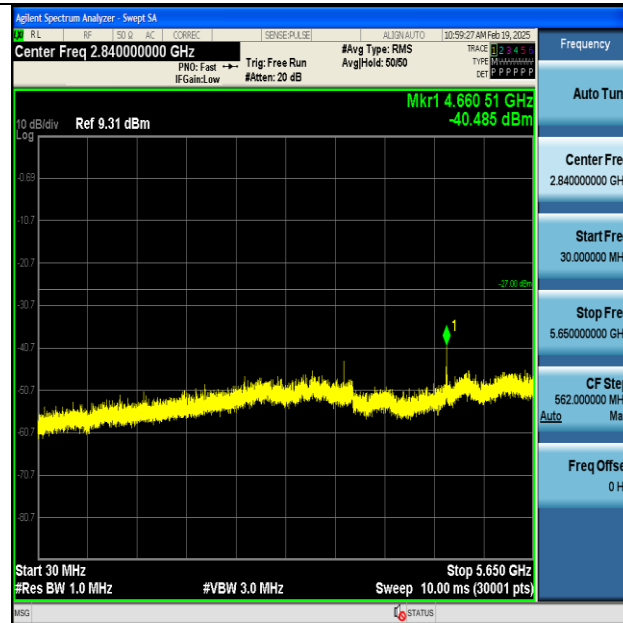


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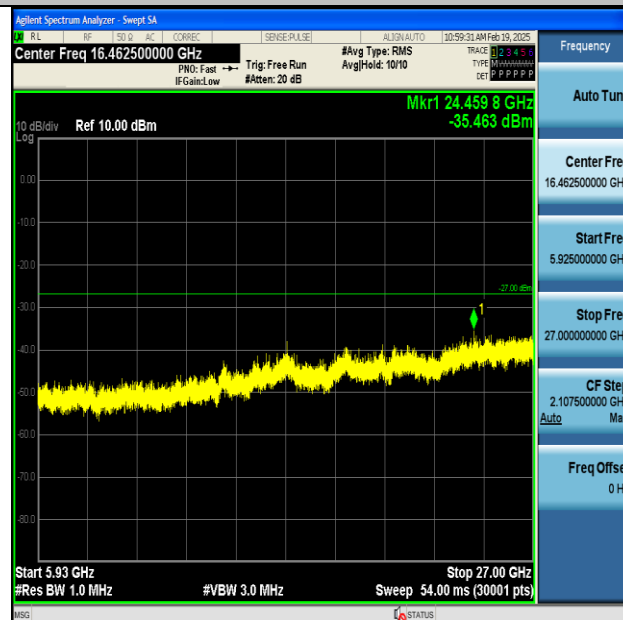


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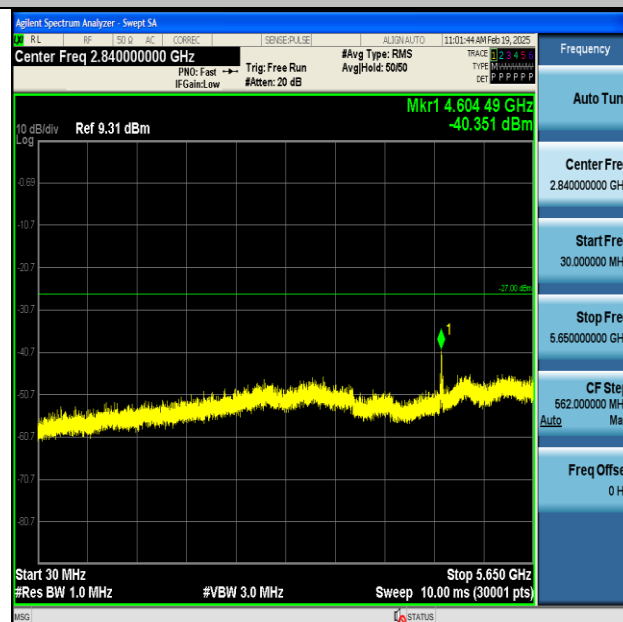




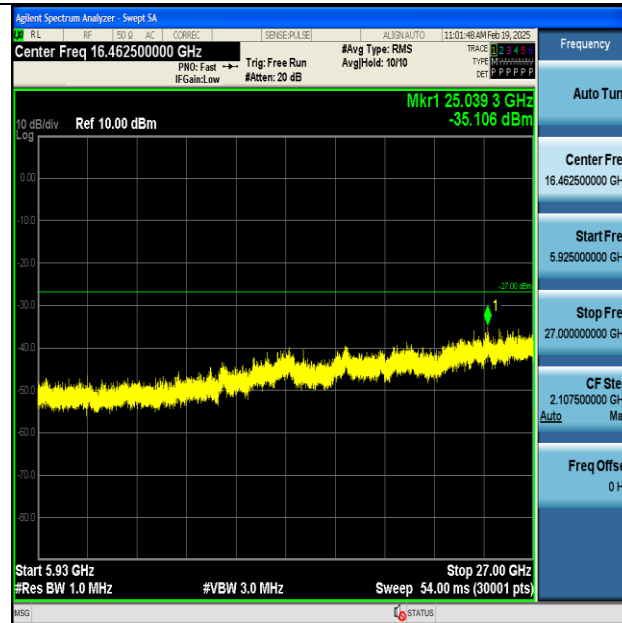
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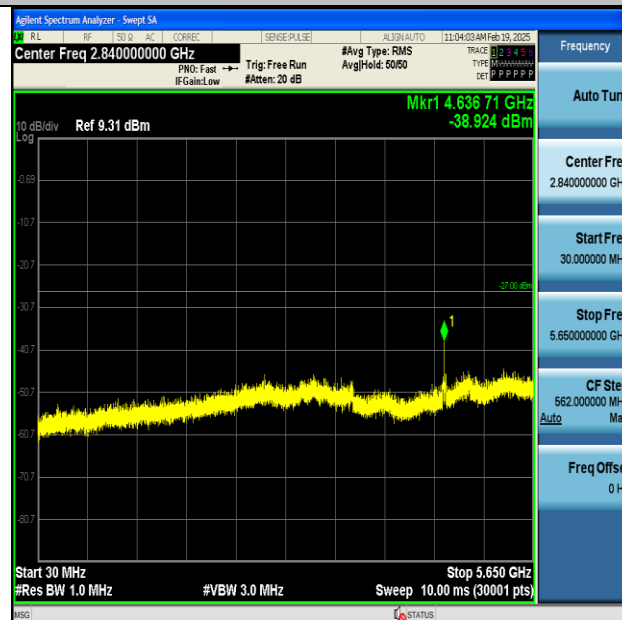
11AC20SISO-Ant1-5825-5925~40000-PASS



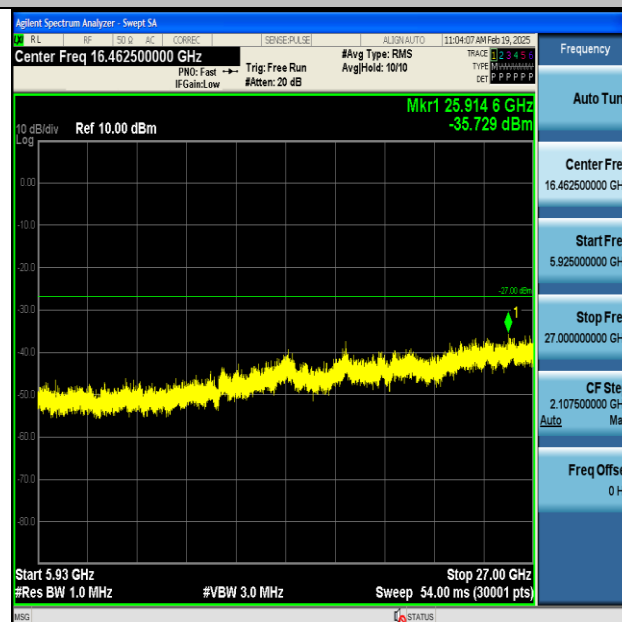
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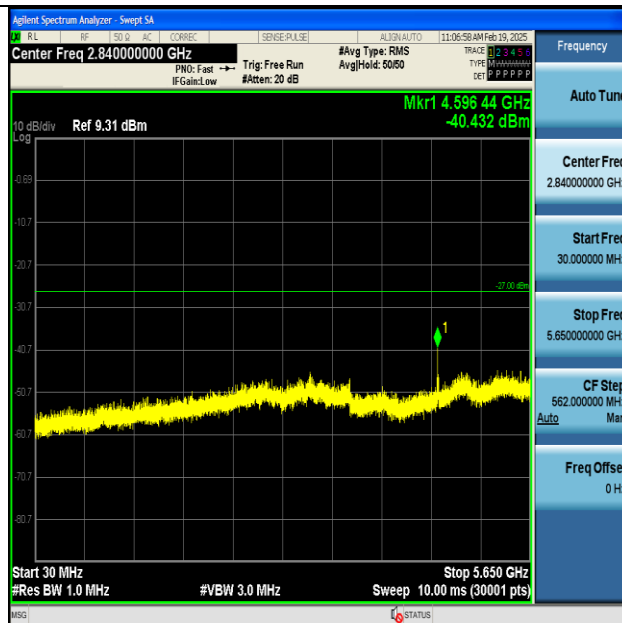
11AC40SISO-Ant1-5755-5925~40000-PASS



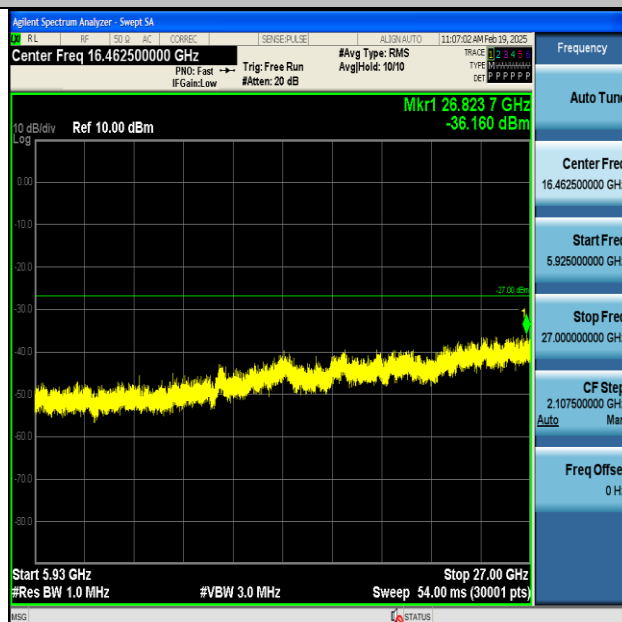
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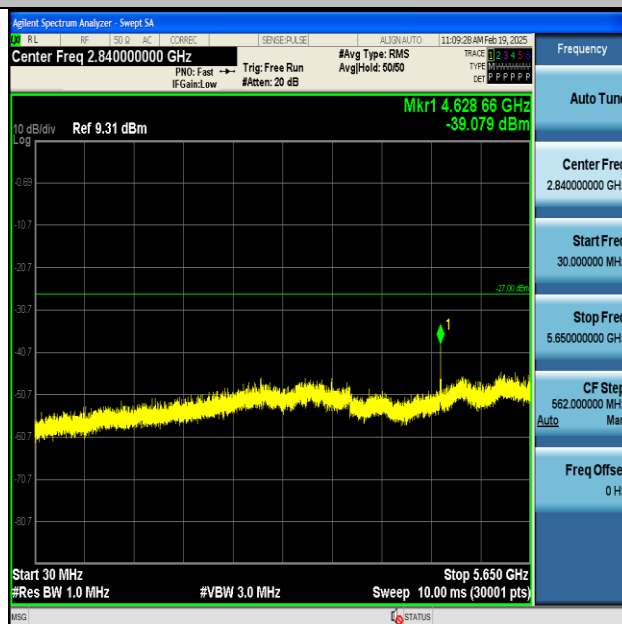
11AC40SISO-Ant1-5795-5925~40000-PASS



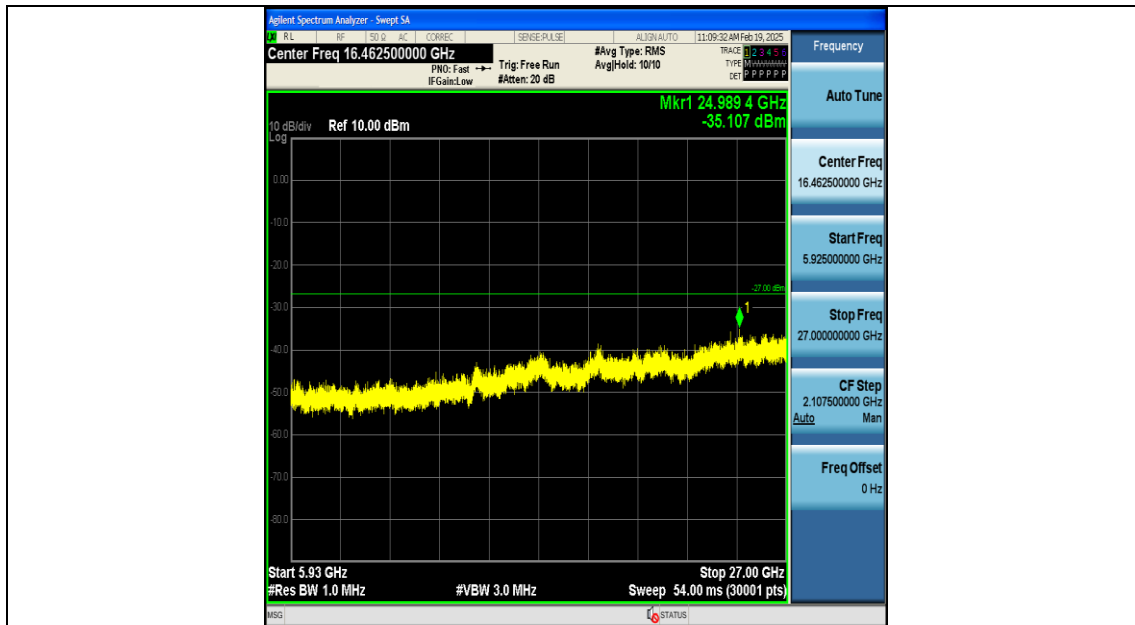
11AX20SISO-Ant1-5745-30~5650-PASS



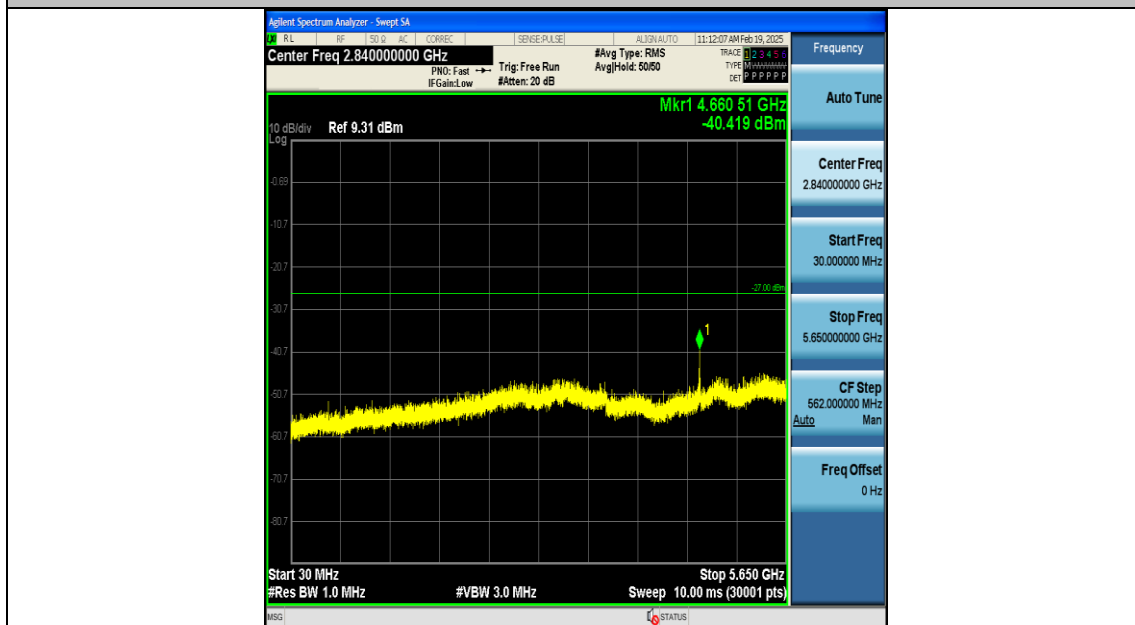
11AX20SISO-Ant1-5745-5925~40000-PASS



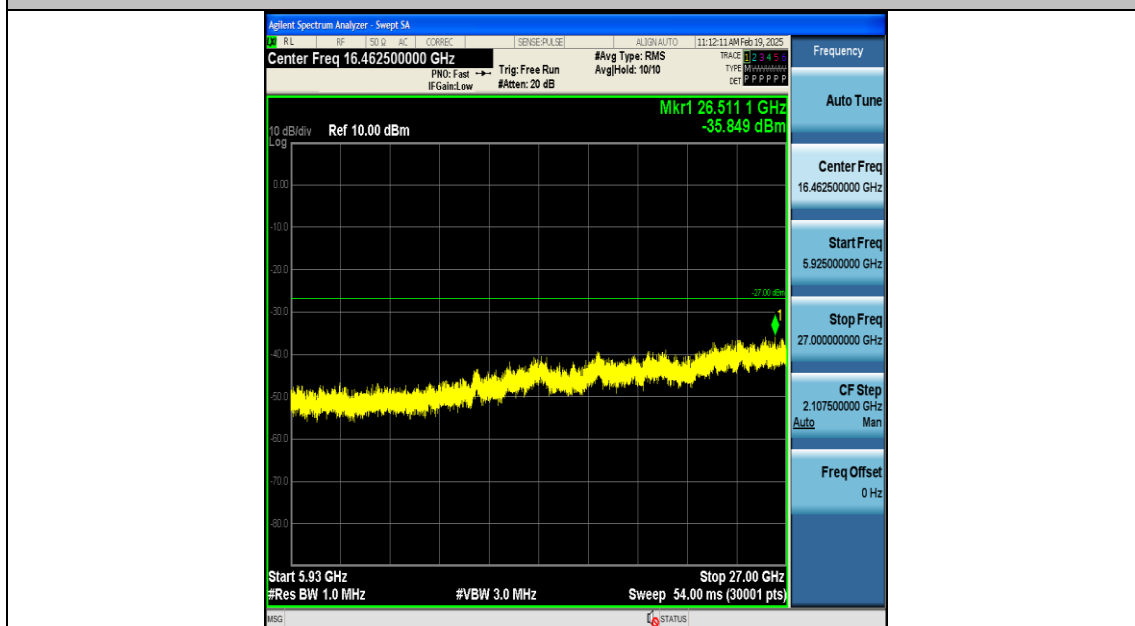
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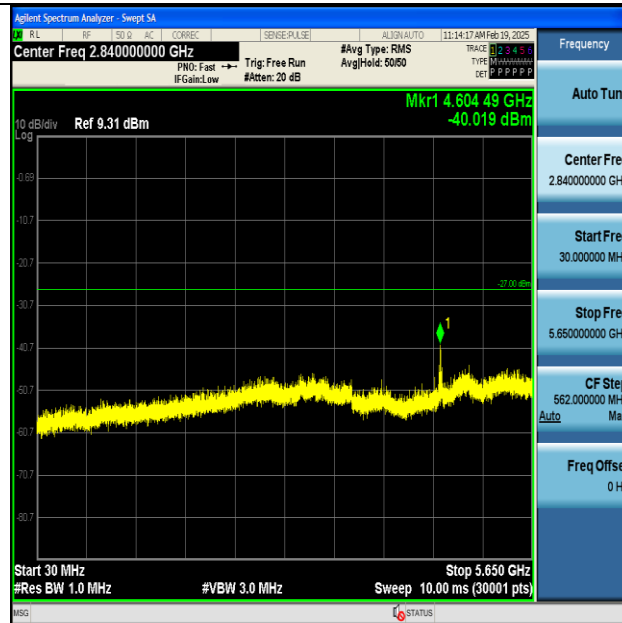
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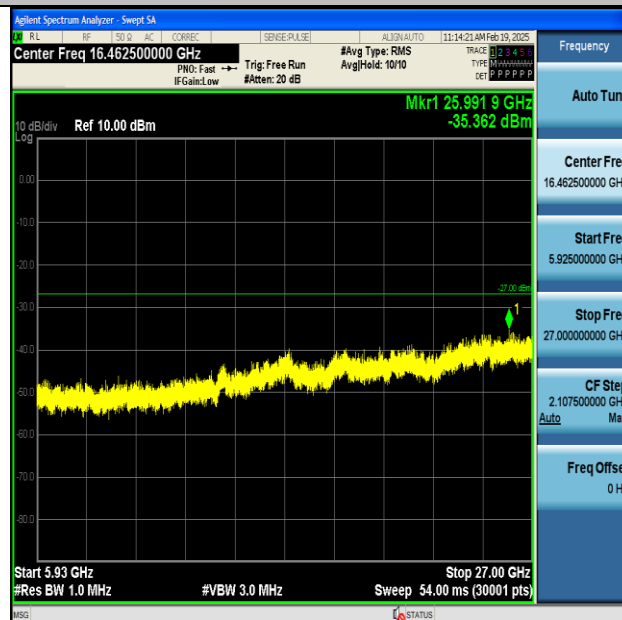
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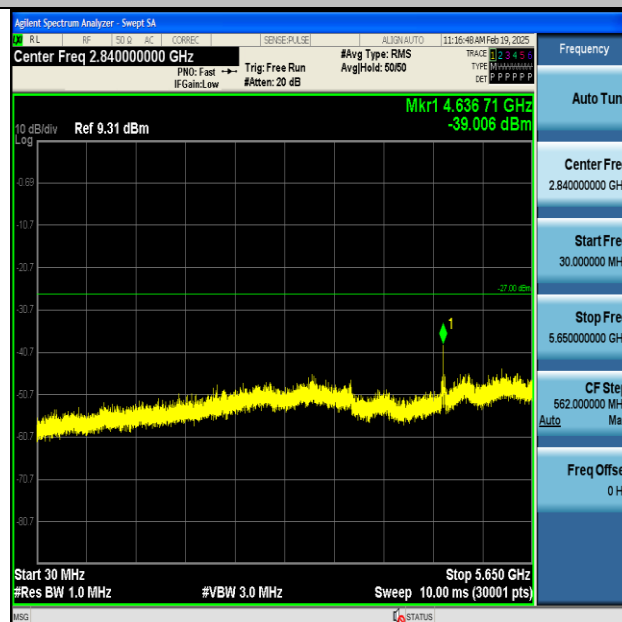
11AX20SISO-Ant1-5825-5925~40000-PASS



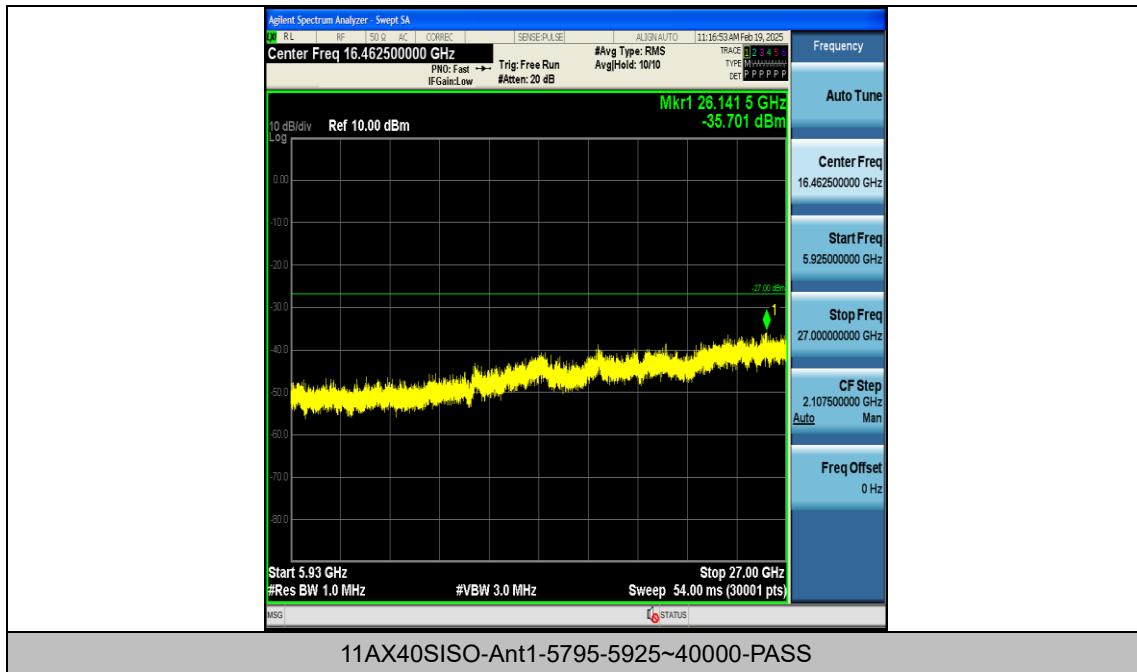
11AX40SISO-Ant1-5755-30~5650-PASS



11AX40SISO-Ant1-5755-5925~40000-PASS



11AX40SISO-Ant1-5795-30~5650-PASS

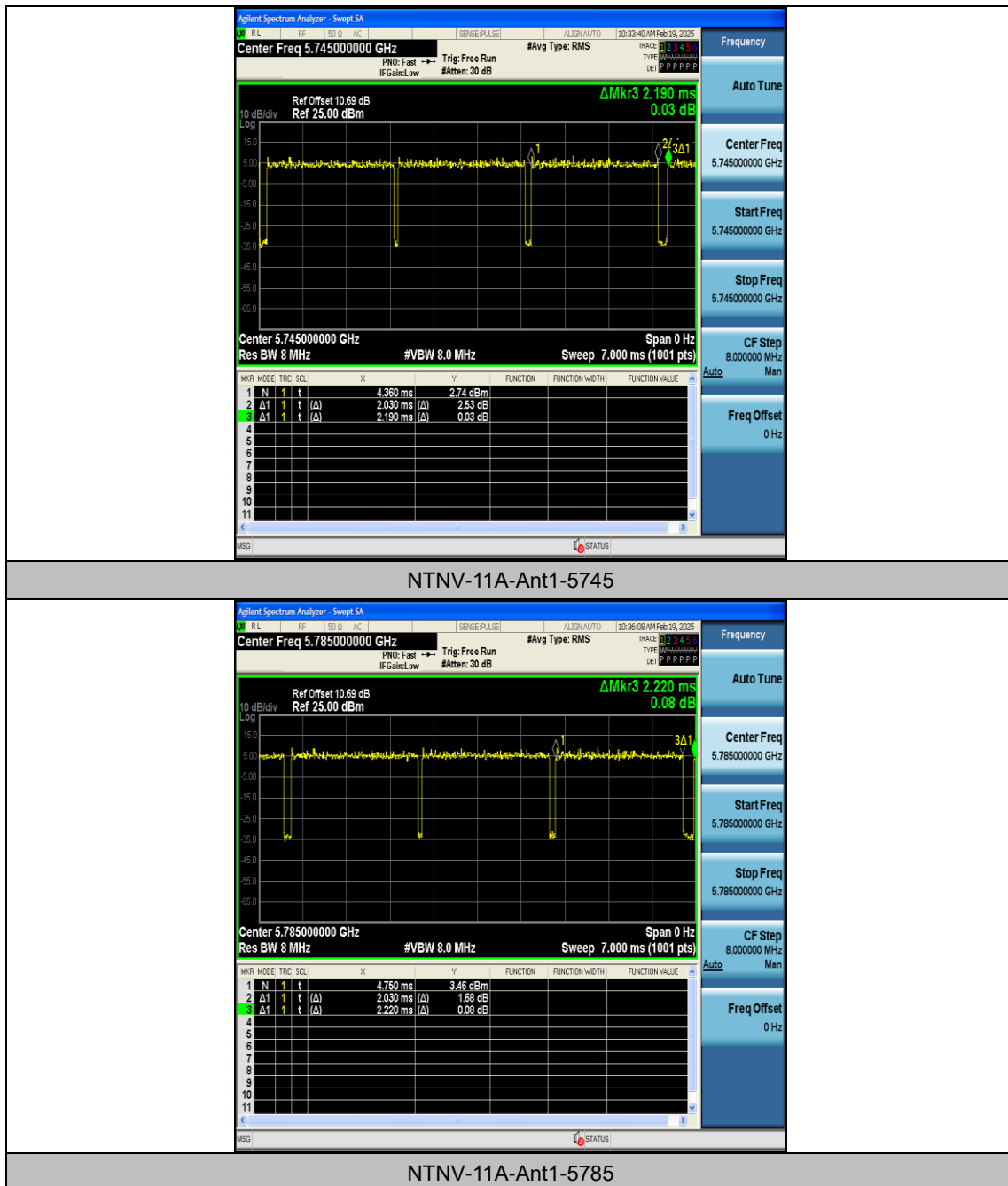


## Appendix G: Duty Cycle

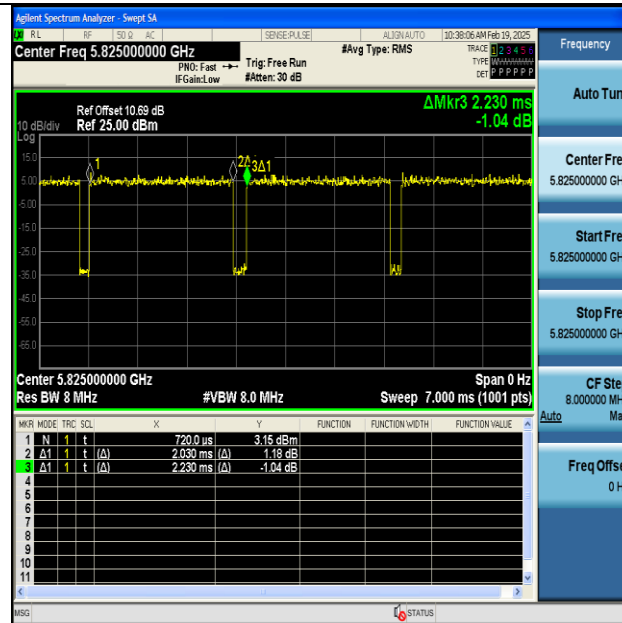
### Test Result

| Test Mode  | Antenna | Frequency<br>[MHz] | Transmission<br>Duration<br>[ms] | Transmission<br>Period<br>[ms] | Duty Cycle<br>[%] | Dc. Factor<br>[%] | 1/T  |
|------------|---------|--------------------|----------------------------------|--------------------------------|-------------------|-------------------|------|
| 11A        | Ant1    | 5745               | 2.03                             | 2.19                           | 92.69             | 0.33              | 0.49 |
| 11A        | Ant1    | 5785               | 2.03                             | 2.22                           | 91.44             | 0.39              | 0.49 |
| 11A        | Ant1    | 5825               | 2.03                             | 2.23                           | 91.03             | 0.41              | 0.49 |
| 11N20SISO  | Ant1    | 5745               | 1.89                             | 2.03                           | 93.10             | 0.31              | 0.53 |
| 11N20SISO  | Ant1    | 5785               | 1.89                             | 2.01                           | 94.03             | 0.27              | 0.53 |
| 11N20SISO  | Ant1    | 5825               | 1.90                             | 2.05                           | 92.68             | 0.33              | 0.53 |
| 11N40SISO  | Ant1    | 5755               | 0.94                             | 1.10                           | 85.45             | 0.68              | 1.06 |
| 11N40SISO  | Ant1    | 5795               | 0.93                             | 1.09                           | 85.32             | 0.69              | 1.08 |
| 11AC20SISO | Ant1    | 5745               | 1.91                             | 2.02                           | 94.55             | 0.24              | 0.52 |
| 11AC20SISO | Ant1    | 5785               | 1.90                             | 2.01                           | 94.53             | 0.24              | 0.53 |
| 11AC20SISO | Ant1    | 5825               | 1.90                             | 2.08                           | 91.35             | 0.39              | 0.53 |
| 11AC40SISO | Ant1    | 5755               | 0.93                             | 1.09                           | 85.32             | 0.69              | 1.08 |
| 11AC40SISO | Ant1    | 5795               | 0.94                             | 1.03                           | 91.26             | 0.40              | 1.06 |
| 11AX20SISO | Ant1    | 5745               | 1.46                             | 1.62                           | 90.12             | 0.45              | 0.68 |
| 11AX20SISO | Ant1    | 5785               | 1.45                             | 1.66                           | 87.35             | 0.59              | 0.69 |
| 11AX20SISO | Ant1    | 5825               | 1.46                             | 1.63                           | 89.57             | 0.48              | 0.68 |
| 11AX40SISO | Ant1    | 5755               | 0.75                             | 0.92                           | 81.52             | 0.89              | 1.33 |
| 11AX40SISO | Ant1    | 5795               | 0.75                             | 0.82                           | 91.46             | 0.39              | 1.33 |

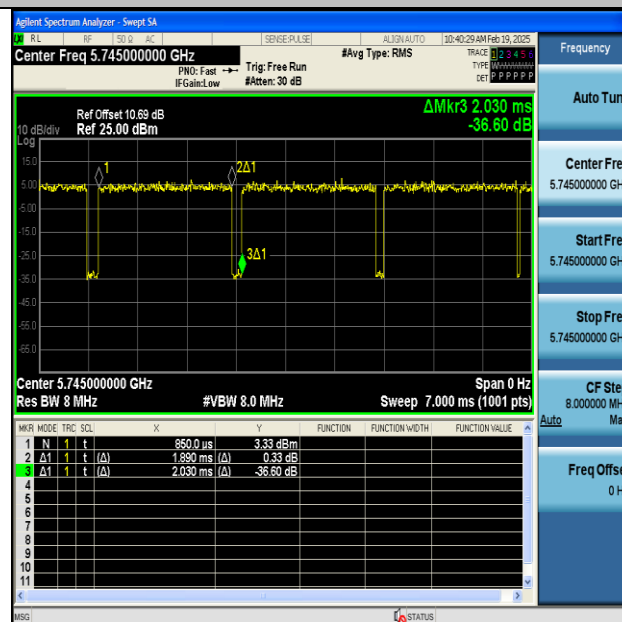
## Test Graphs



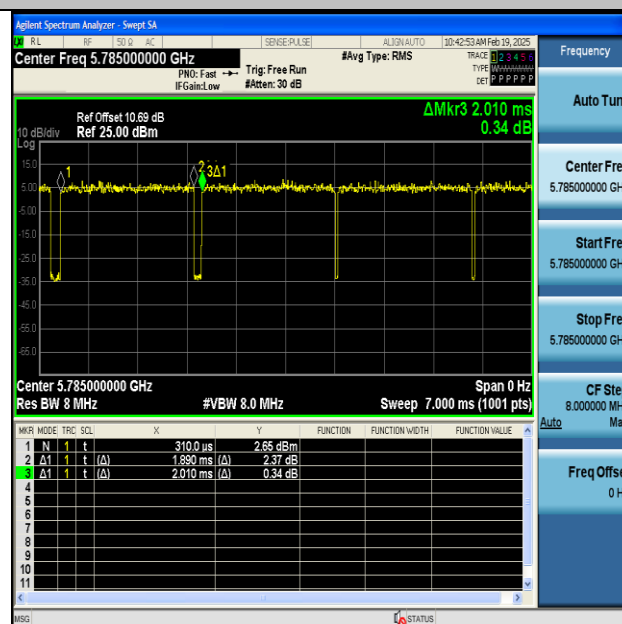




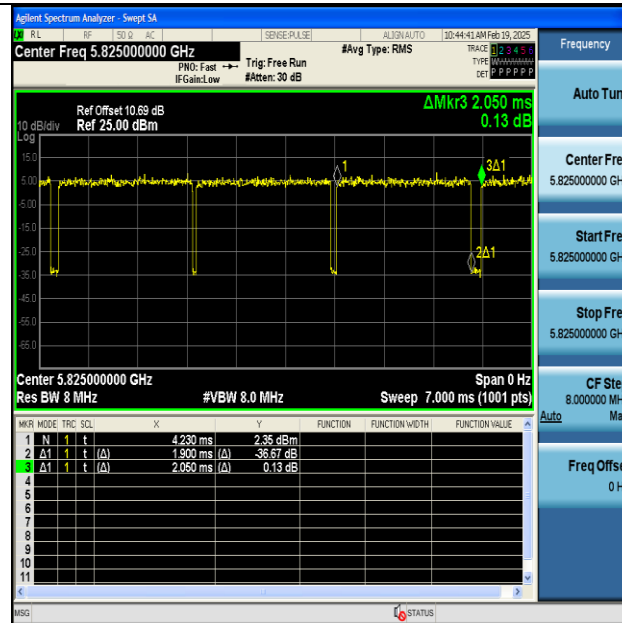
NTNV-11A-Ant1-5825



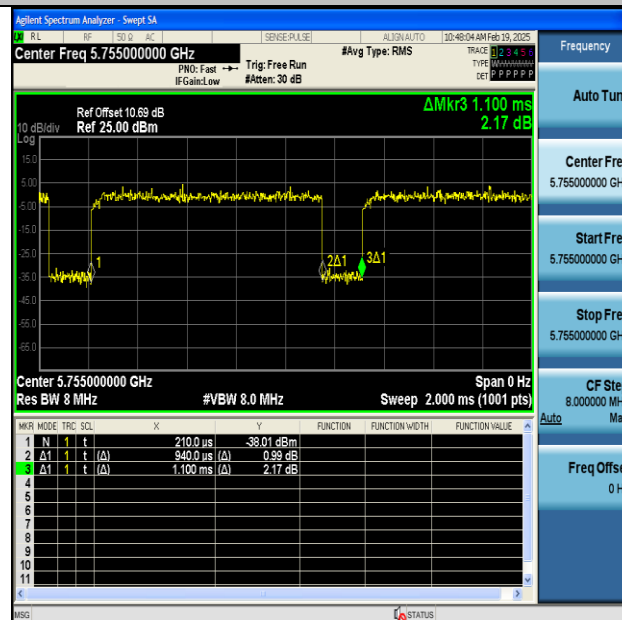
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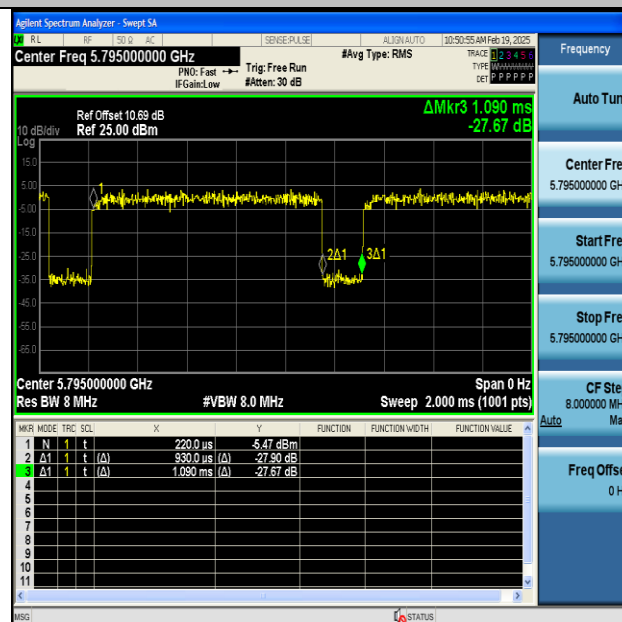
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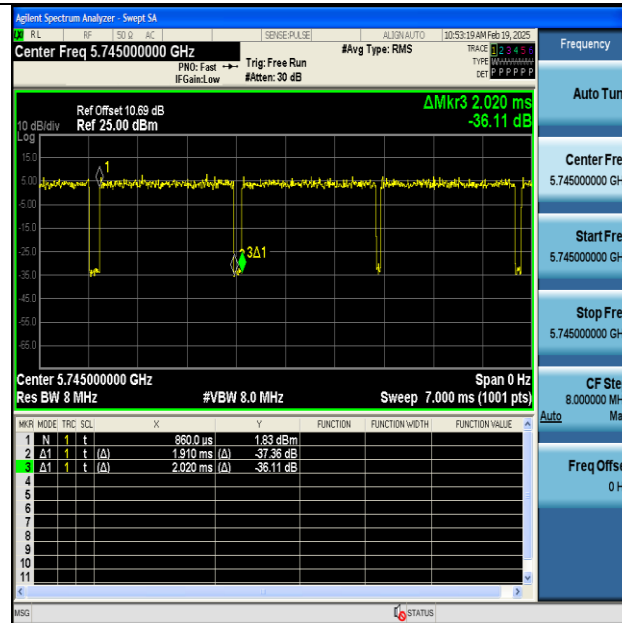
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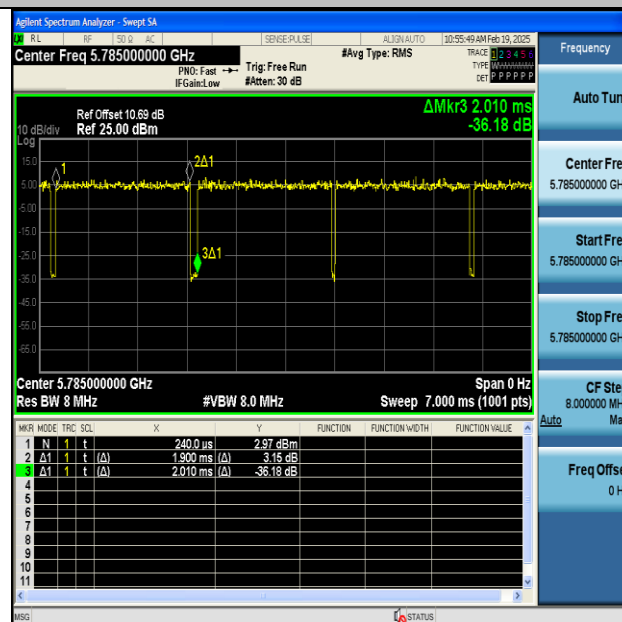
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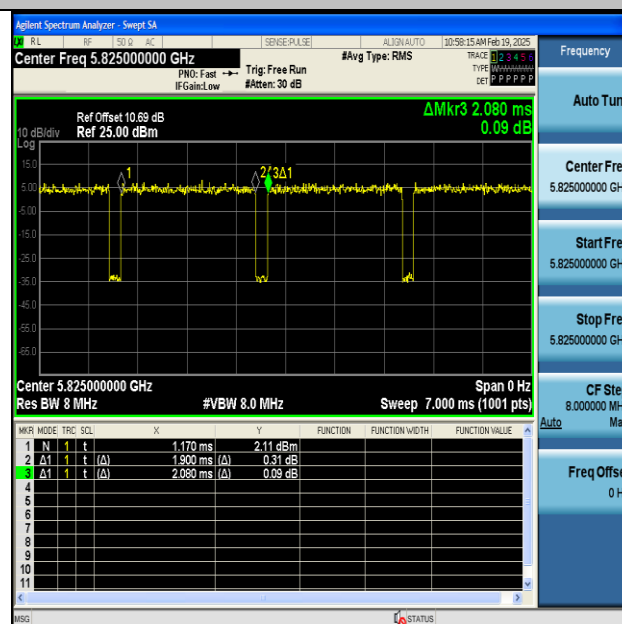
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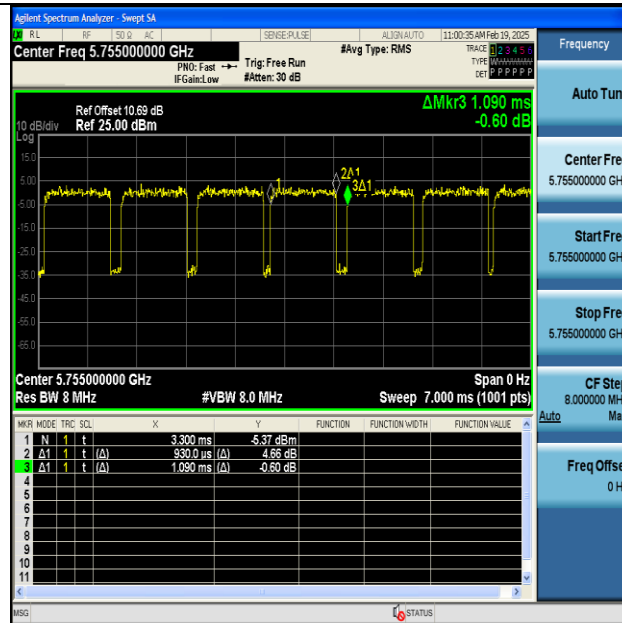
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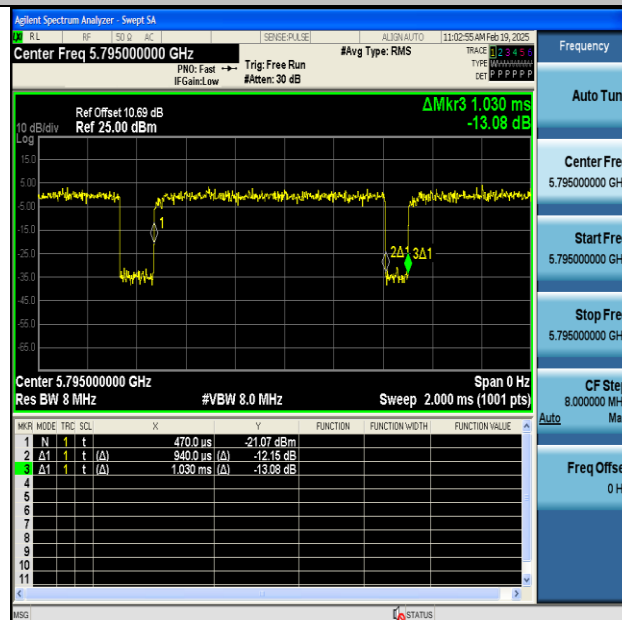
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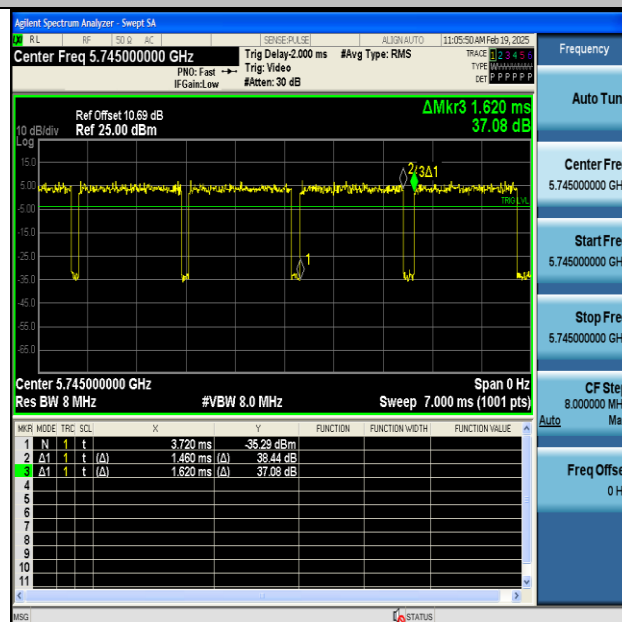
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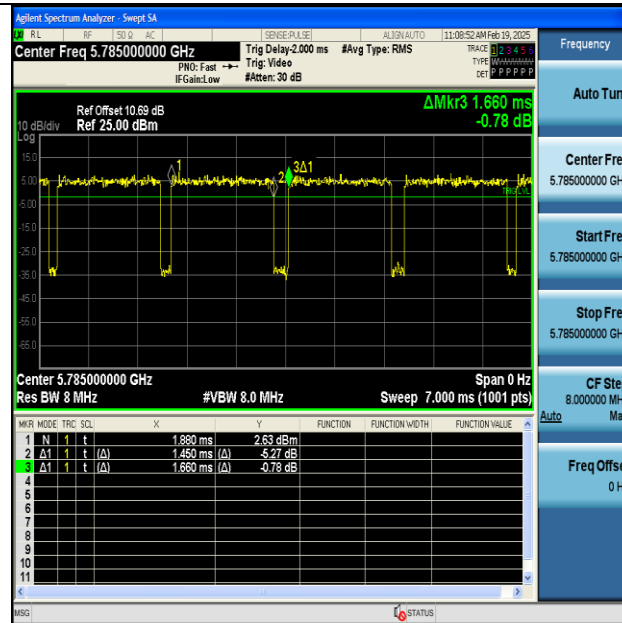
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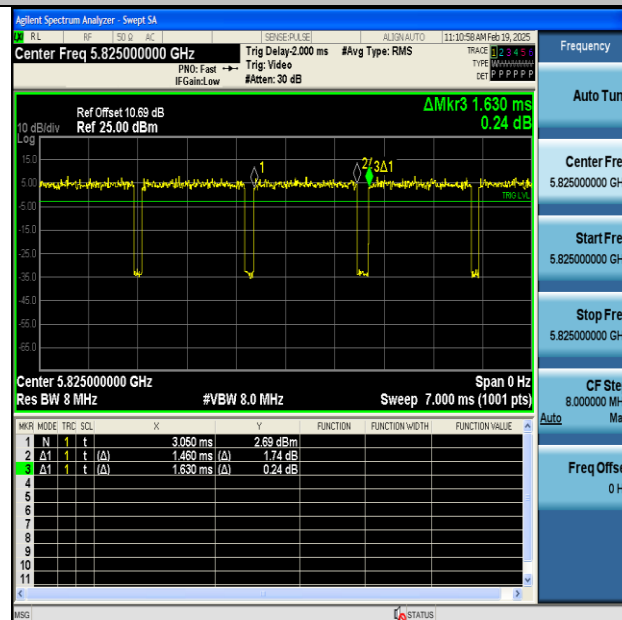
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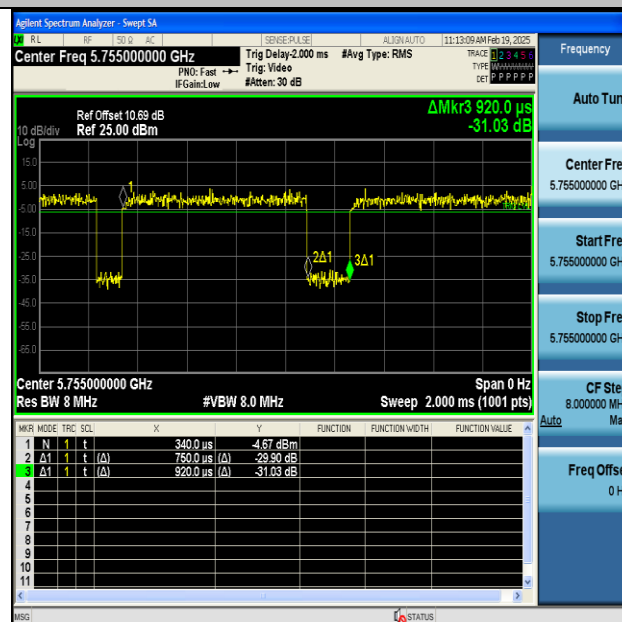
NTNV-11AX20SISO-Ant1-5745



NTNV-11AX20SISO-Ant1-5785



NTNV-11AX20SISO-Ant1-5825



NTNV-11AX40SISO-Ant1-5755

