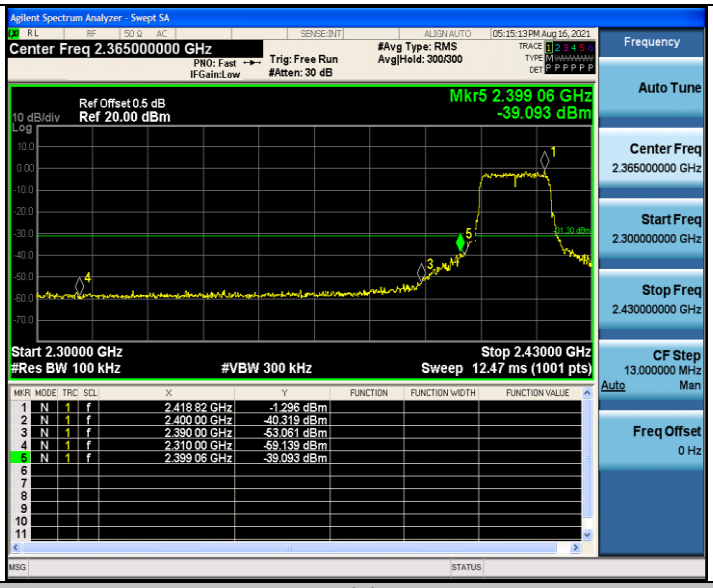
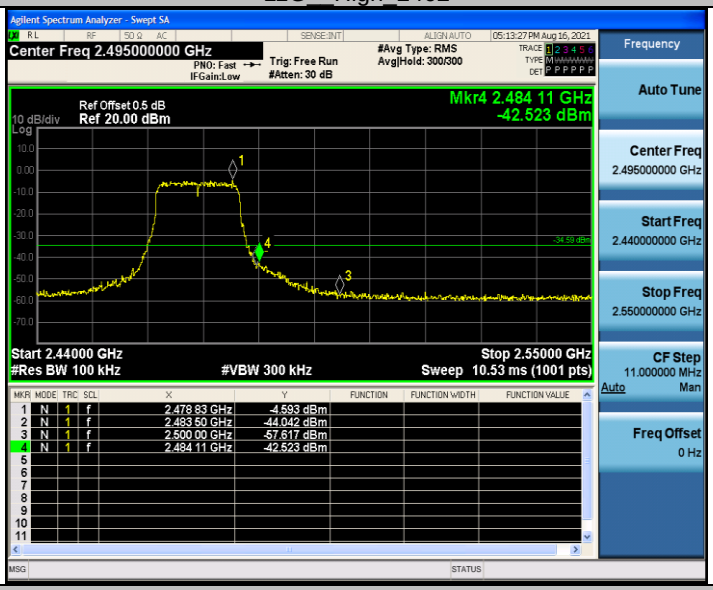
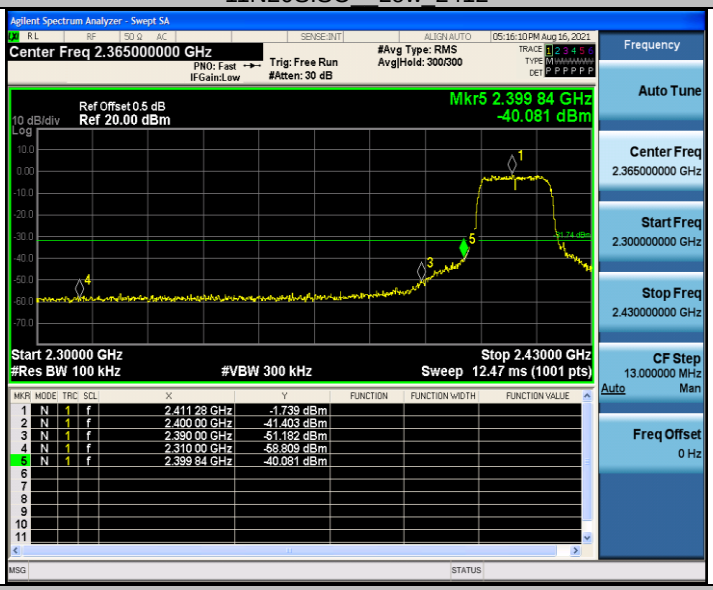


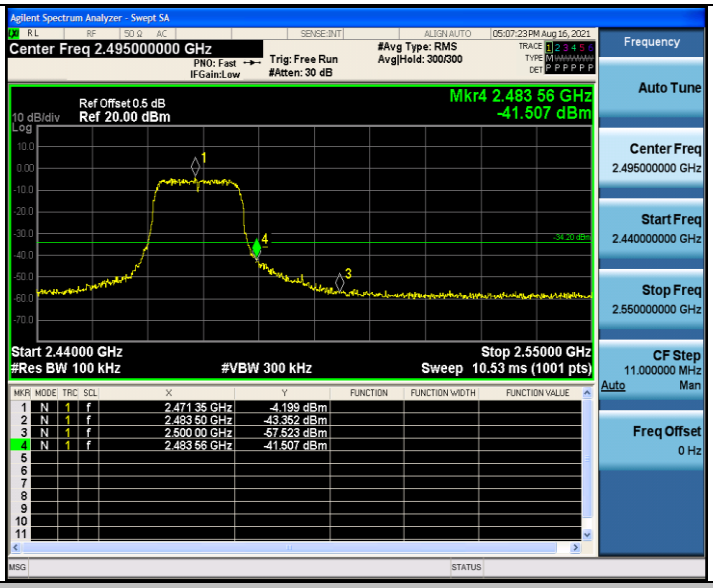

11G__High_2462



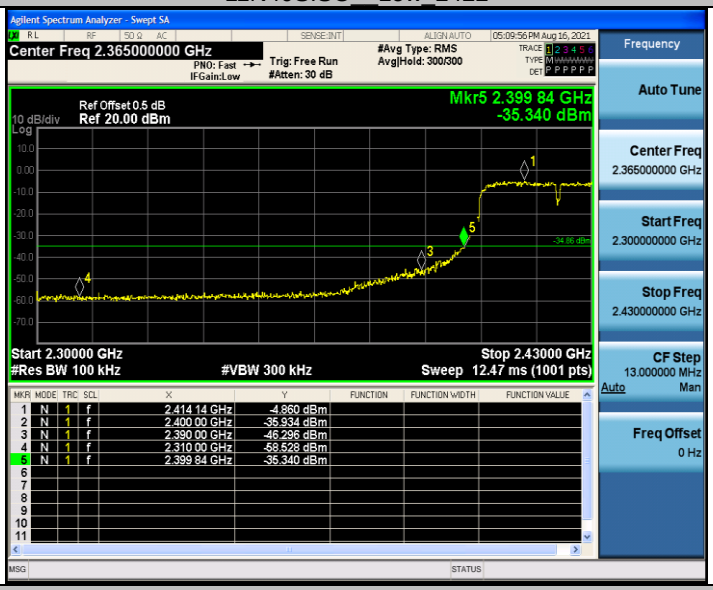

11N20SISO__Low_2412




11N20SISO__High_2462




11N40SISO__Low_2422




11N40SISO__High_2452

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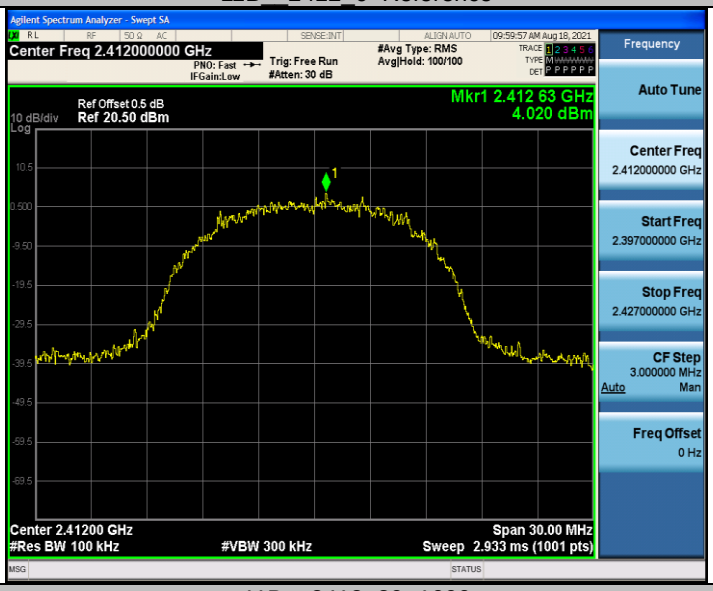
# Conducted Spurious Emission

## Test Result

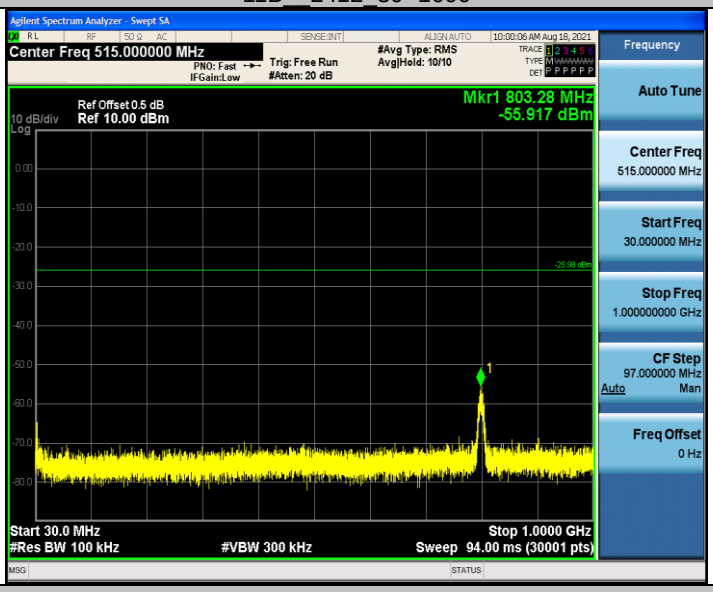
| Test Mode | Channel | Freq Range [Mhz] | Ref Level [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|---|---|---|---|---|---|---|
| 11B | 2412 | Reference | 4.02 | 4.02 | --- | PASS |
| | | 30~1000 | 30~1000 | -55.917 | <=-25.98 | PASS |
| | | 1000~26500 | 1000~26500 | -42.048 | <=-25.98 | PASS |
| | 2437 | Reference | 3.87 | 3.87 | --- | PASS |
| | | 30~1000 | 30~1000 | -55.151 | <=-26.128 | PASS |
| | | 1000~26500 | 1000~26500 | -43.446 | <=-26.128 | PASS |
| | 2462 | Reference | 3.60 | 3.60 | --- | PASS |
| | | 30~1000 | 30~1000 | -56.288 | <=-26.398 | PASS |
| | | 1000~26500 | 1000~26500 | -43.393 | <=-26.398 | PASS |
| 11G | 2412 | Reference | -1.72 | -1.72 | --- | PASS |
| | | 30~1000 | 30~1000 | -59.373 | <=-31.72 | PASS |
| | | 1000~26500 | 1000~26500 | -42.92 | <=-31.72 | PASS |
| | 2437 | Reference | -1.50 | -1.50 | --- | PASS |
| | | 30~1000 | 30~1000 | -58.792 | <=-31.495 | PASS |
| | | 1000~26500 | 1000~26500 | -42.613 | <=-31.495 | PASS |
| | 2462 | Reference | -1.71 | -1.71 | --- | PASS |
| | | 30~1000 | 30~1000 | -58.879 | <=-31.705 | PASS |
| | | 1000~26500 | 1000~26500 | -42.899 | <=-31.705 | PASS |
| 11N20SISO | 2412 | Reference | -2.23 | -2.23 | --- | PASS |
| | | 30~1000 | 30~1000 | -59.593 | <=-32.227 | PASS |
| | | 1000~26500 | 1000~26500 | -42.857 | <=-32.227 | PASS |
| | 2437 | Reference | -1.75 | -1.75 | --- | PASS |
| | | 30~1000 | 30~1000 | -58.221 | <=-31.748 | PASS |
| | | 1000~26500 | 1000~26500 | -43.631 | <=-31.748 | PASS |
| | 2462 | Reference | -1.74 | -1.74 | --- | PASS |
| | | 30~1000 | 30~1000 | -58.208 | <=-31.743 | PASS |
| | | 1000~26500 | 1000~26500 | -43.175 | <=-31.743 | PASS |
| 11N40SISO | 2422 | Reference | -5.20 | -5.20 | --- | PASS |
| | | 30~1000 | 30~1000 | -54.276 | <=-35.199 | PASS |
| | | 1000~26500 | 1000~26500 | -42.989 | <=-35.199 | PASS |
| | 2437 | Reference | -5.27 | -5.27 | --- | PASS |
| | | 30~1000 | 30~1000 | -52.775 | <=-35.265 | PASS |
| | | 1000~26500 | 1000~26500 | -42.379 | <=-35.265 | PASS |
| | 2452 | Reference | -5.13 | -5.13 | --- | PASS |
| | | 30~1000 | 30~1000 | -53.98 | <=-35.127 | PASS |
| | | 1000~26500 | 1000~26500 | -43.516 | <=-35.127 | PASS |

## Test Graphs

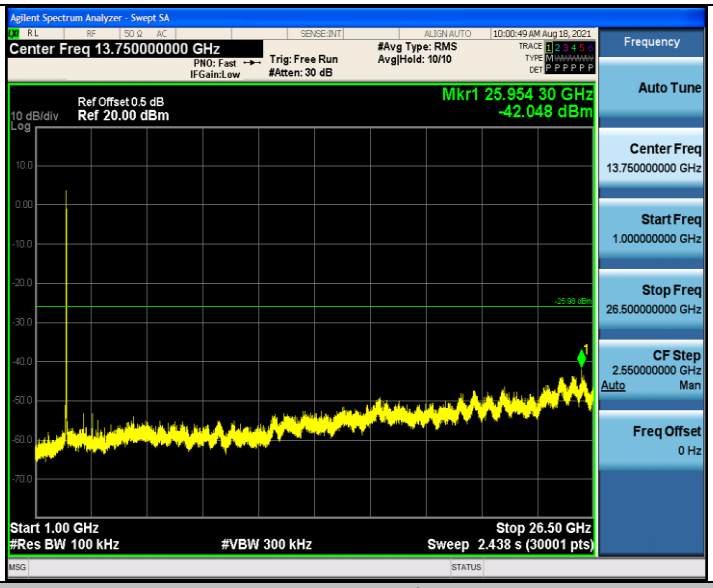
11B__2412_0~Reference



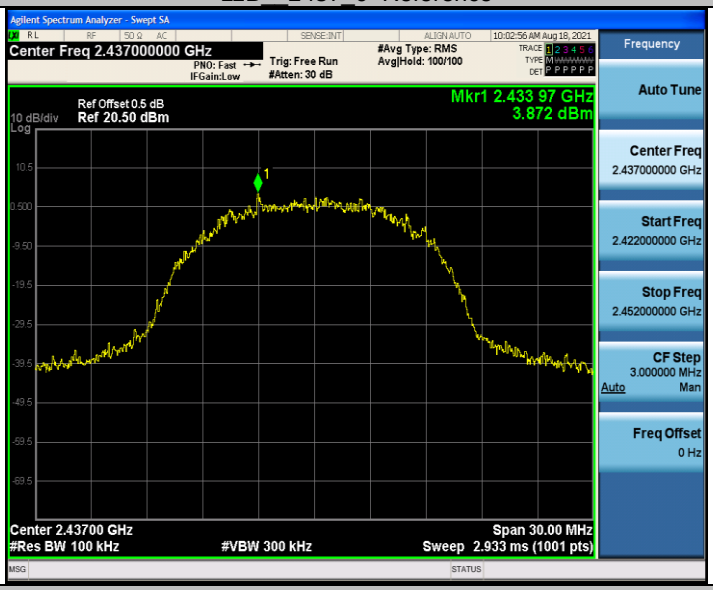

11B__2412_30~1000



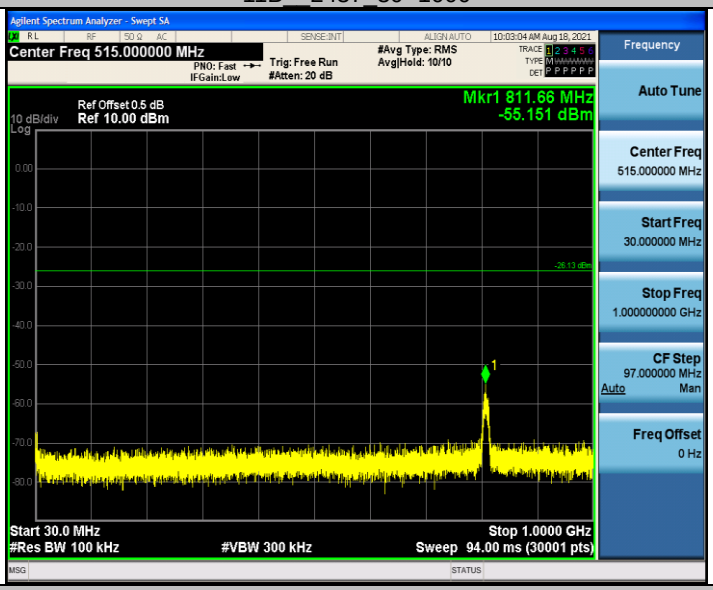

11B__2412_1000~26500



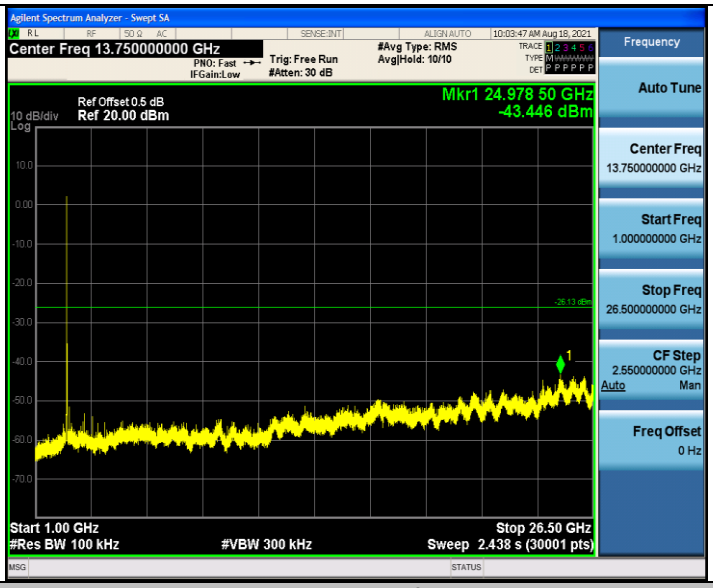

11B__2437_0~Reference



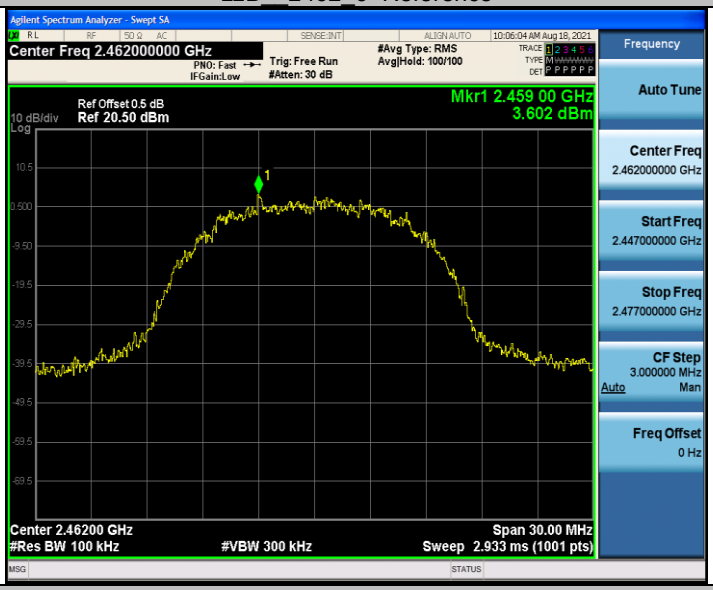

11B__2437_30~1000



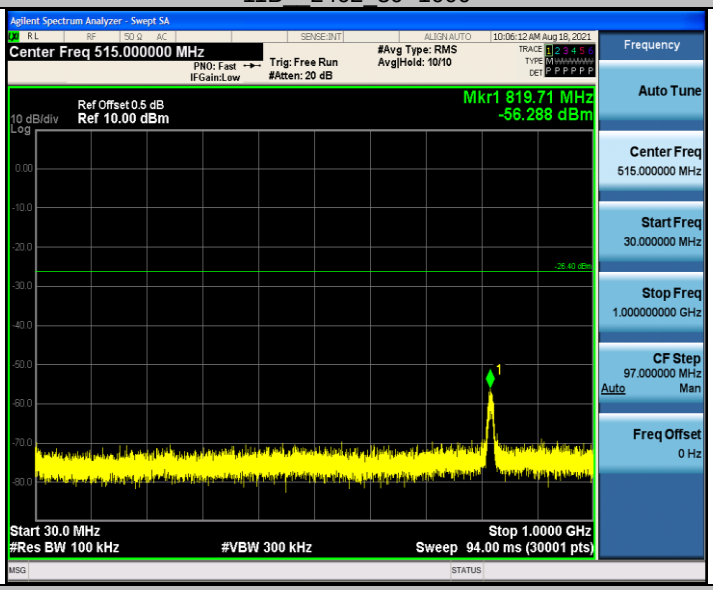

11B__2437_1000~26500



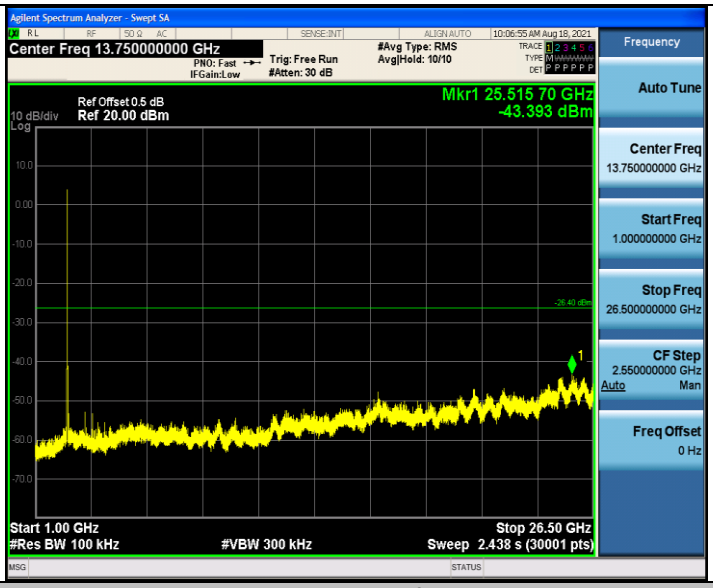

11B__2462_0~Reference



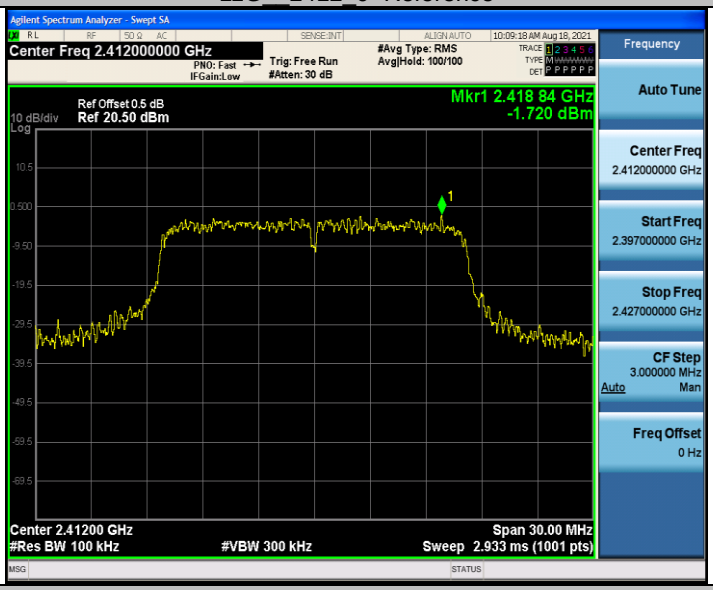

11B__2462_30~1000



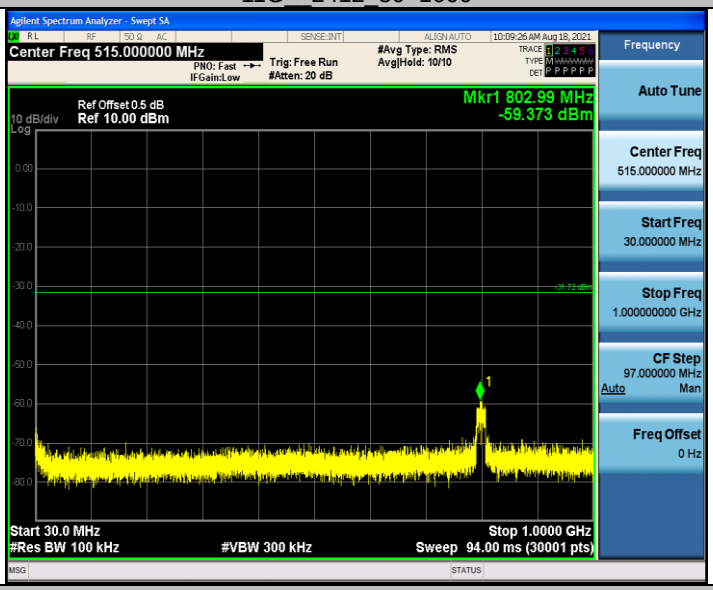

11B__2462_1000~26500



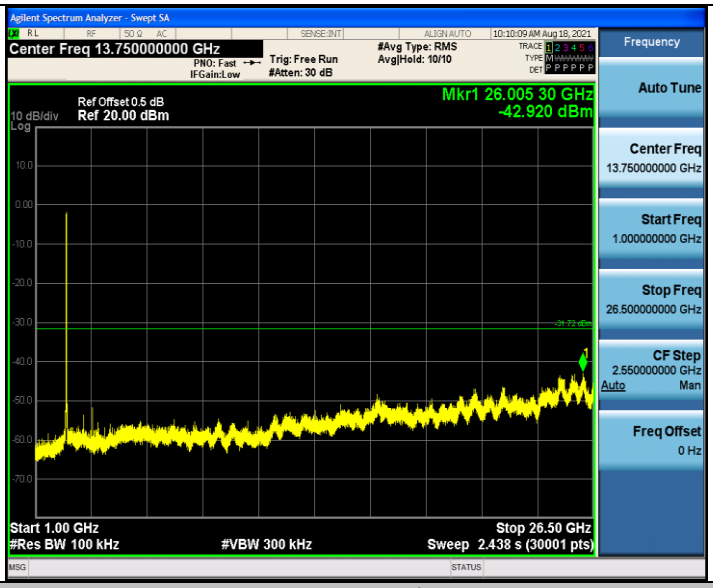

11G__2412_0~Reference



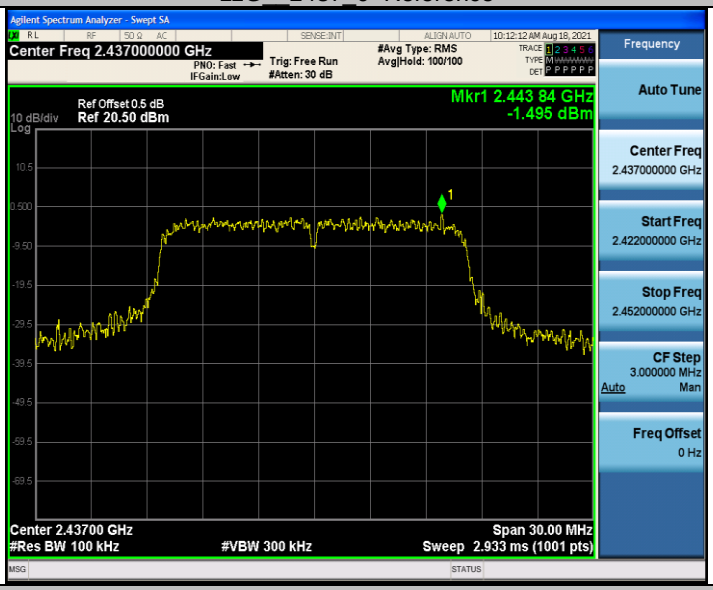

11G__2412_30~1000



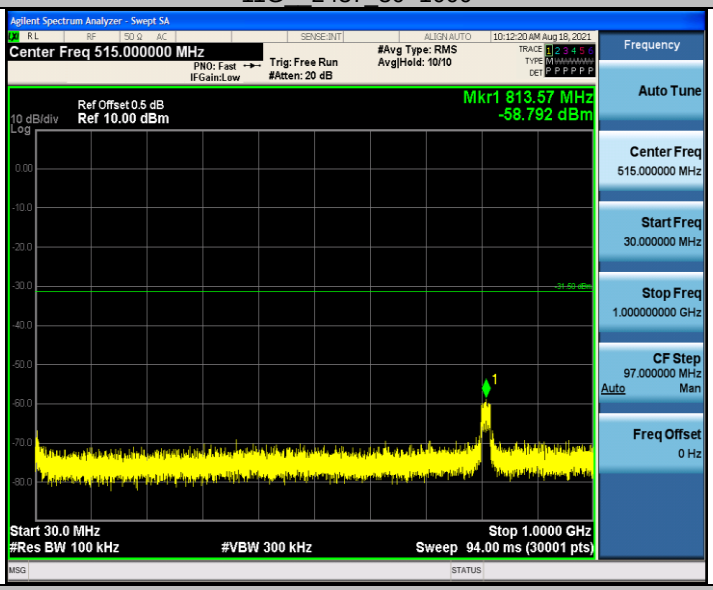

11G__2412_1000~26500



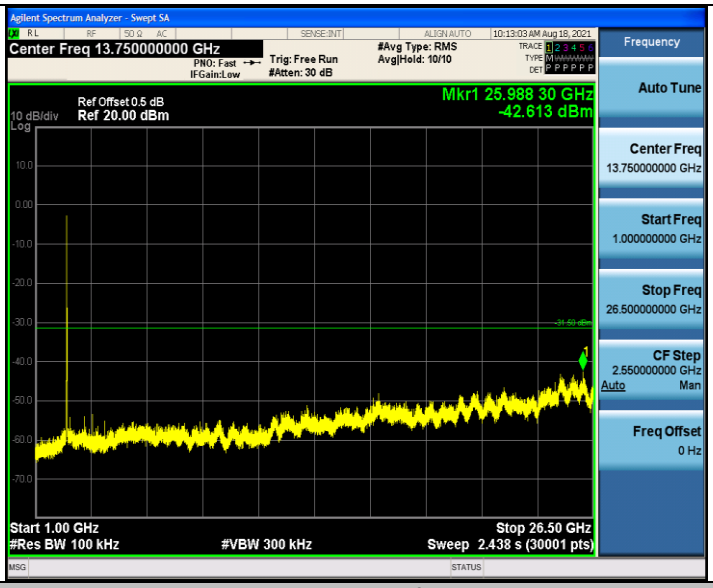

11G__2437_0~Reference



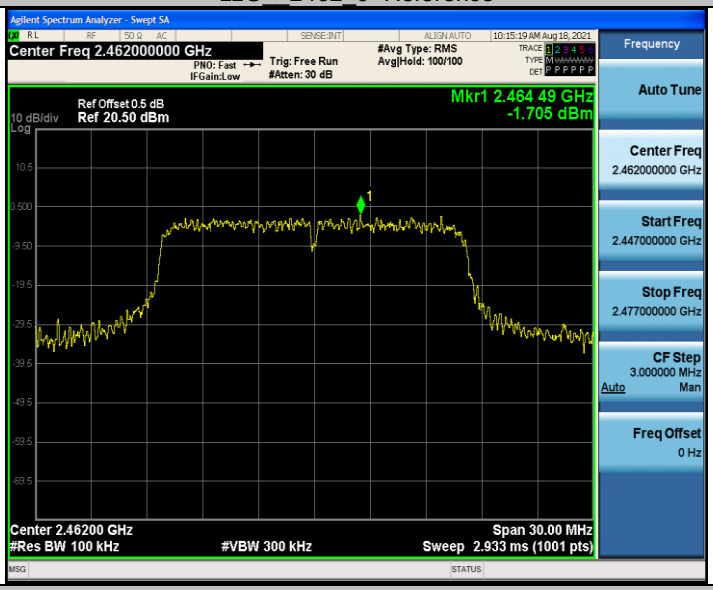

11G__2437_30~1000



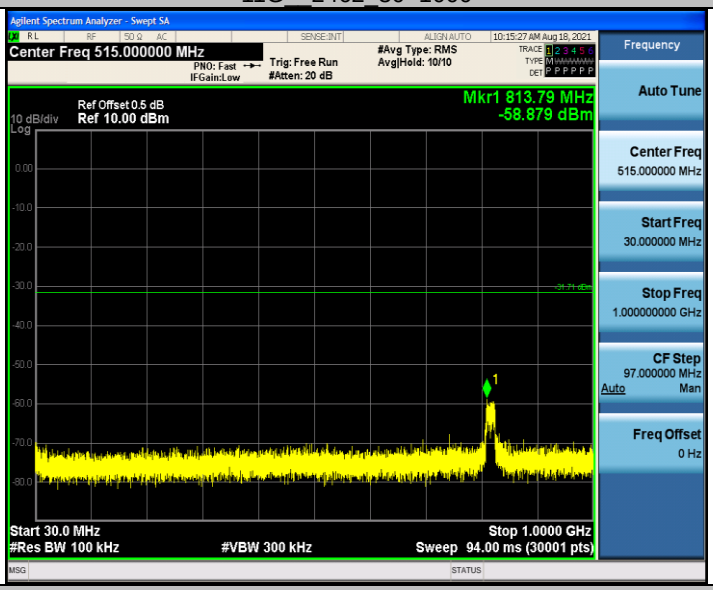

11G__2437_1000~26500




11G__2462_0~Reference




11G__2462_30~1000




11G__2462_1000~26500



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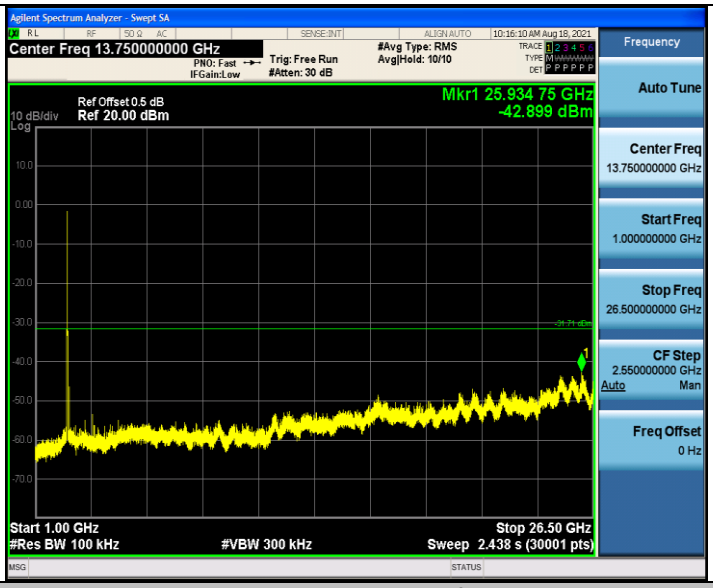
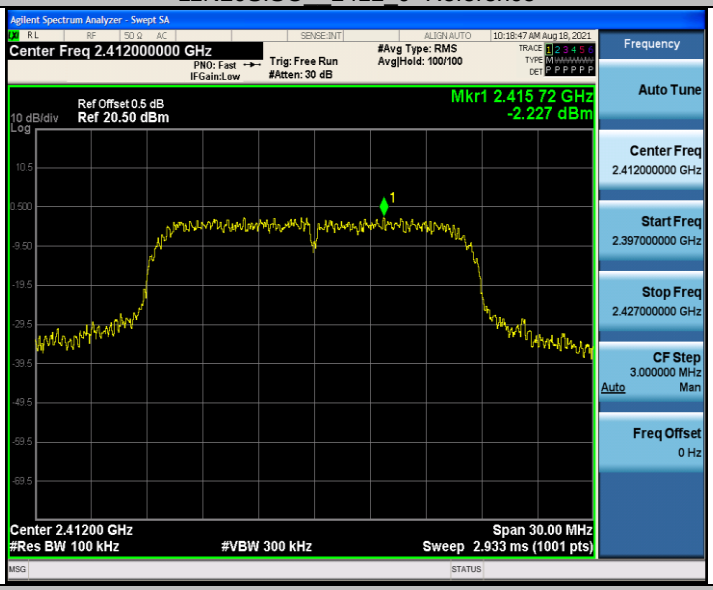
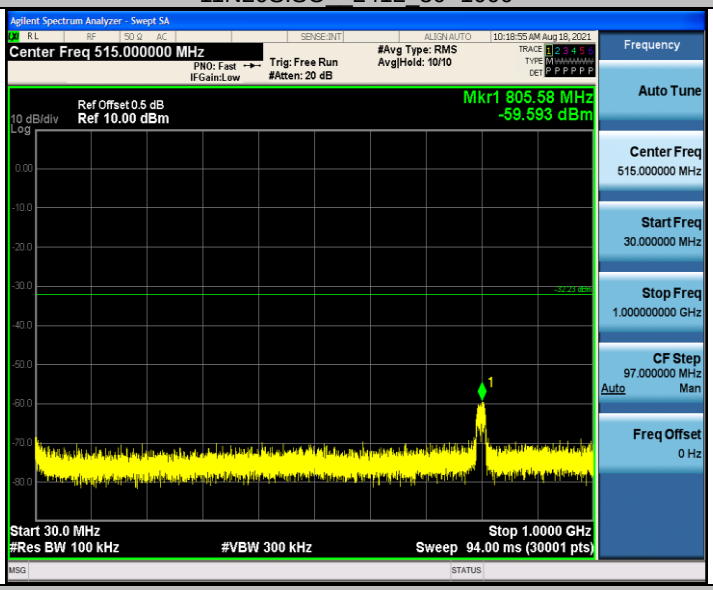


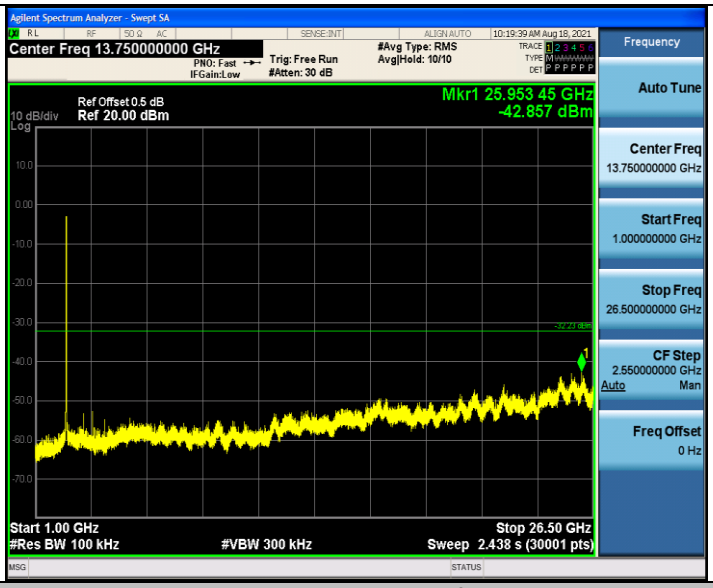

11N20SISO__2412_0~Reference



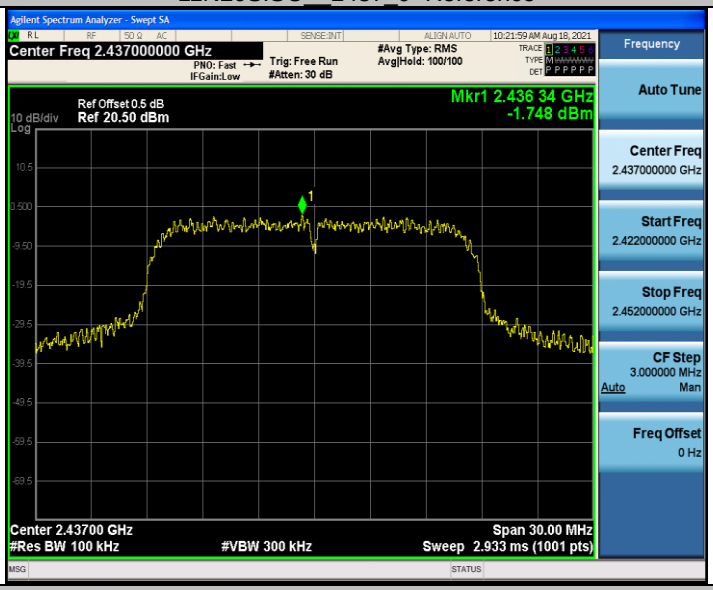

11N20SISO__2412_30~1000



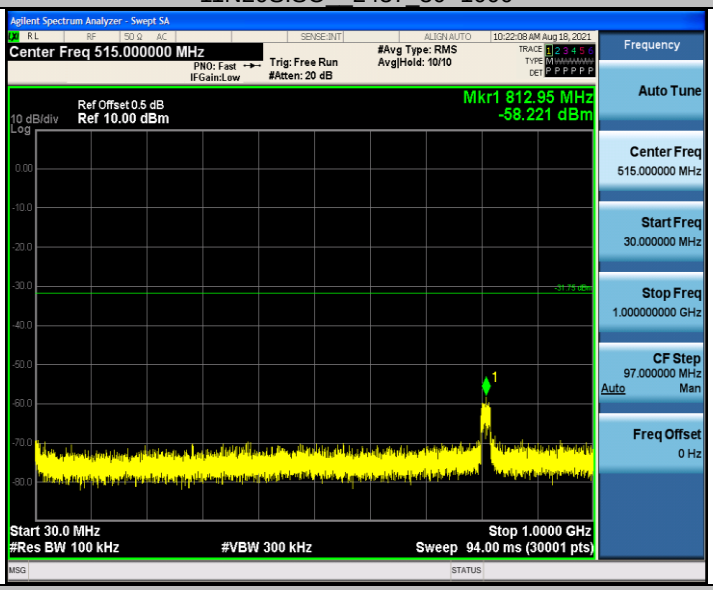

11N20SISO__2412_1000~26500



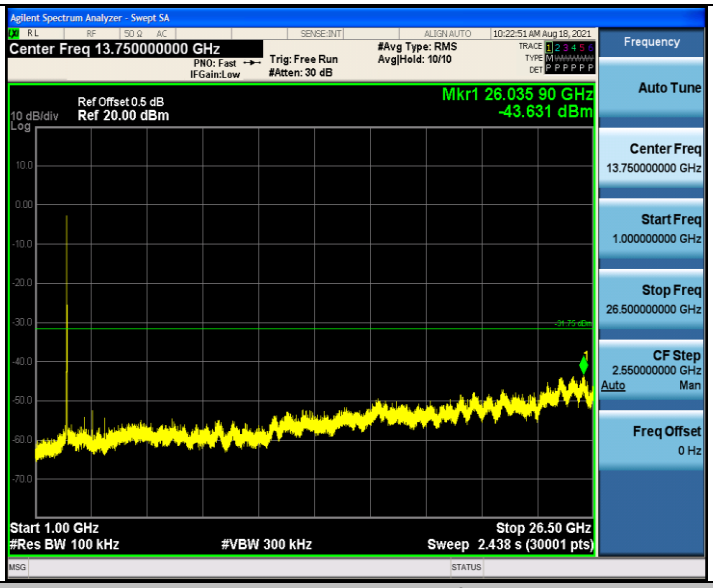

11N20SISO__2437_0~Reference



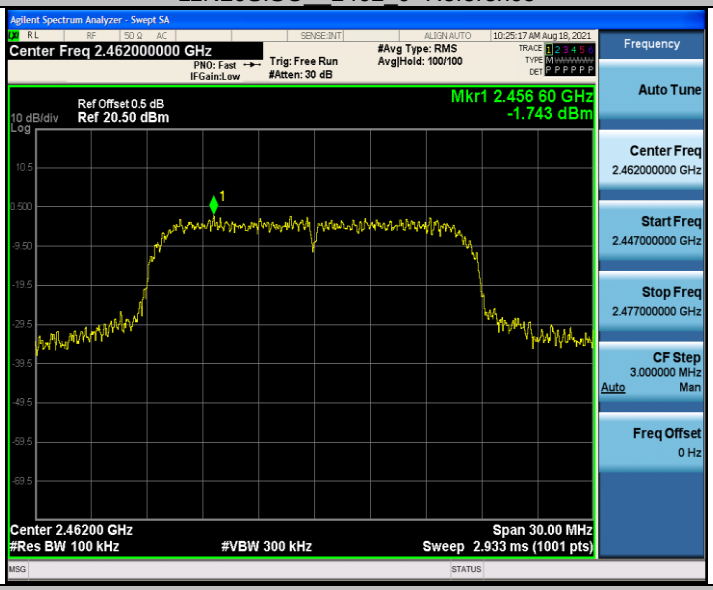

11N20SISO__2437_30~1000



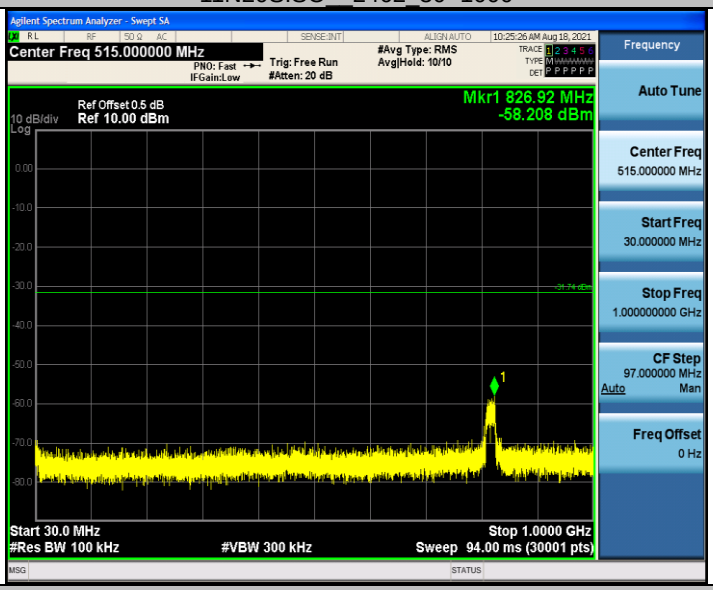

11N20SISO__2437_1000~26500



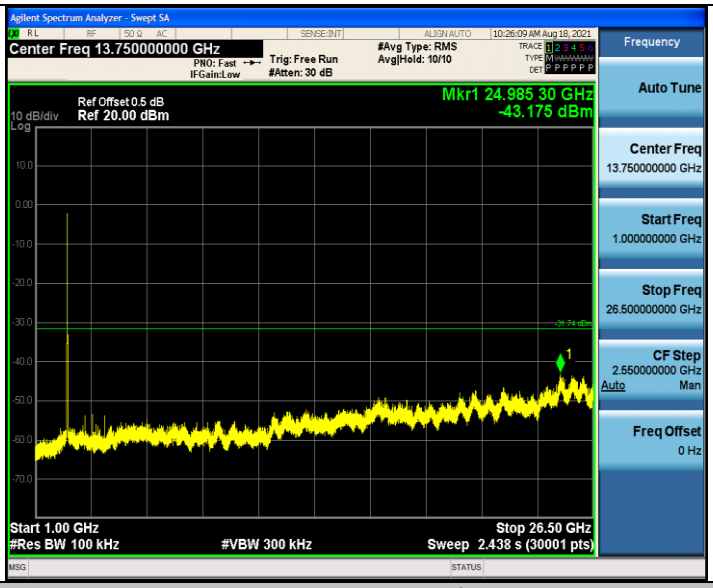

11N20SISO__2462_0~Reference



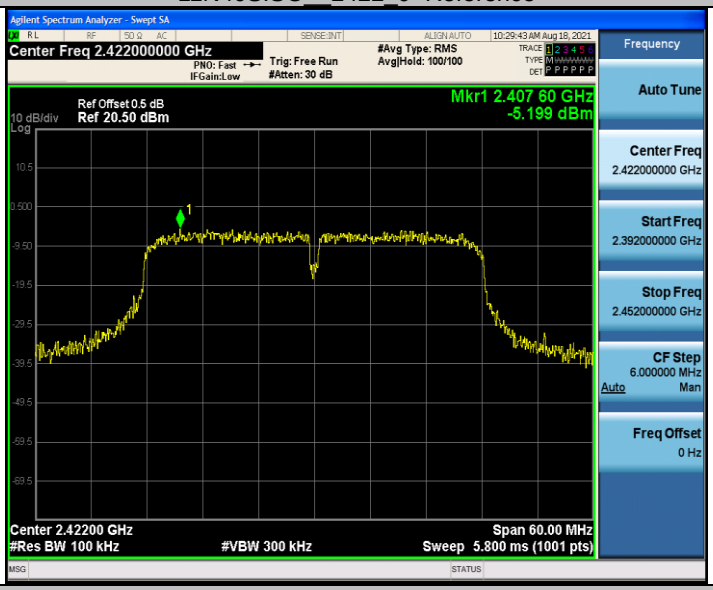

11N20SISO__2462_30~1000



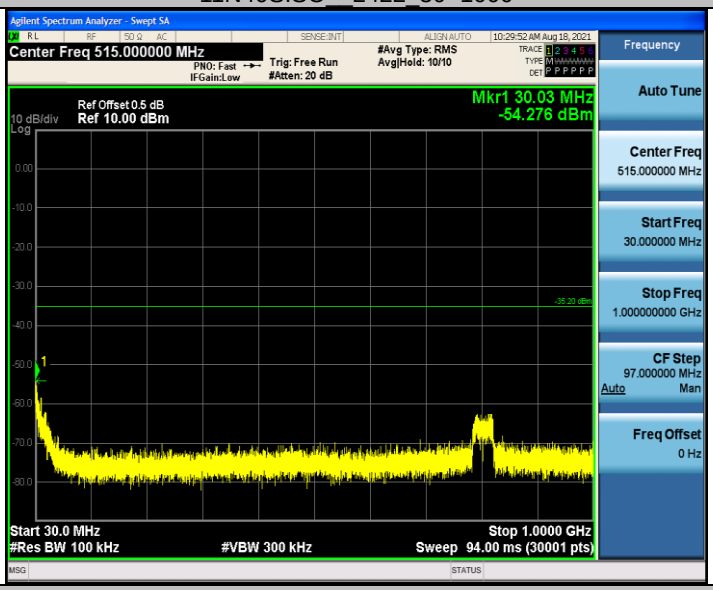

11N20SISO__2462_1000~26500



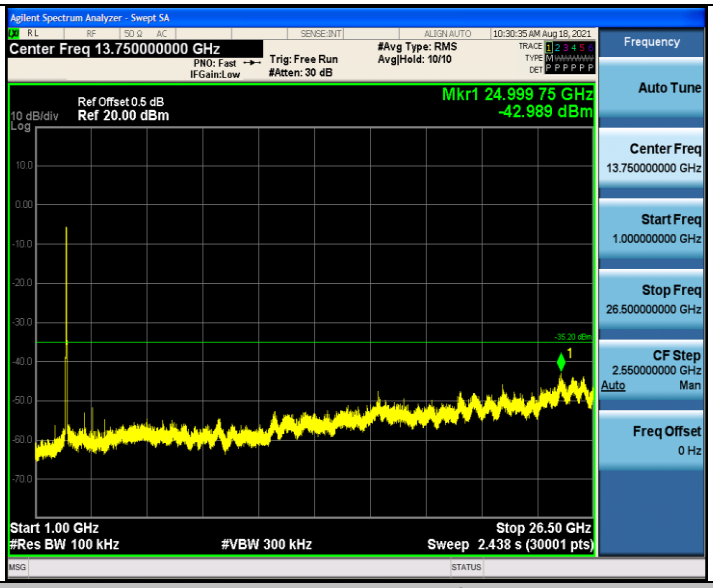

11N40SISO__2422_0~Reference



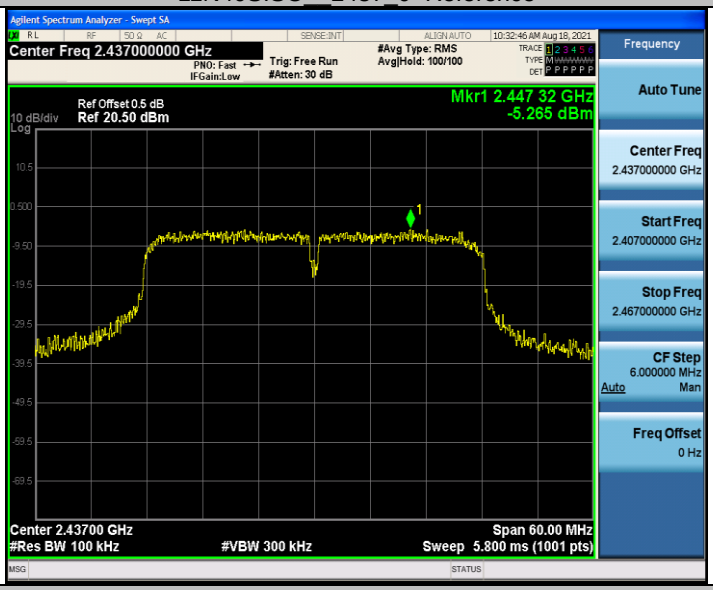

11N40SISO__2422_30~1000



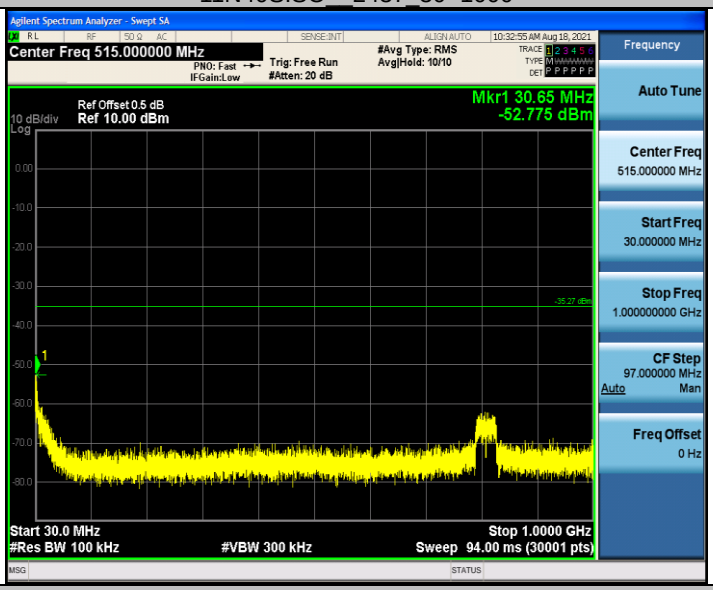

11N40SISO__2422_1000~26500



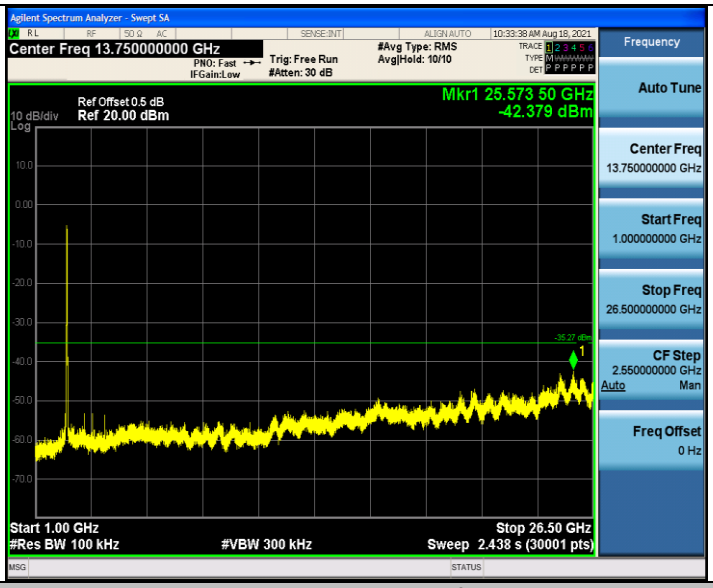

11N40SISO__2437_0~Reference



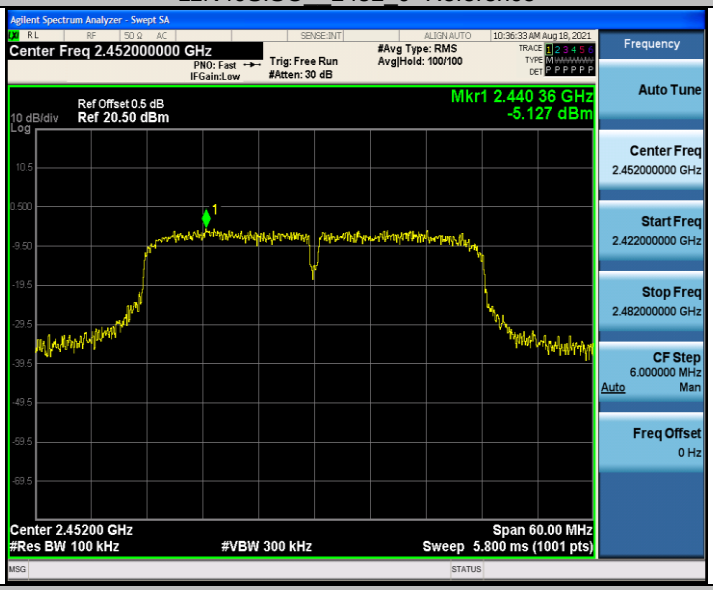

11N40SISO__2437_30~1000



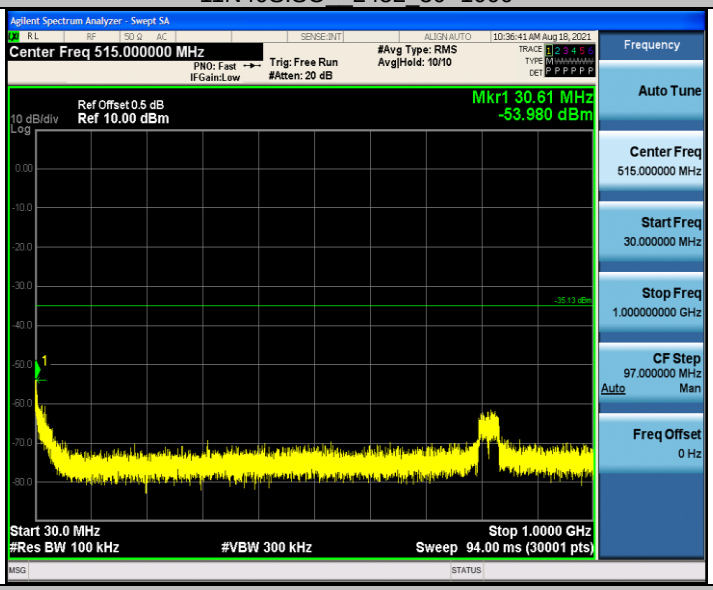

11N40SISO__2437_1000~26500



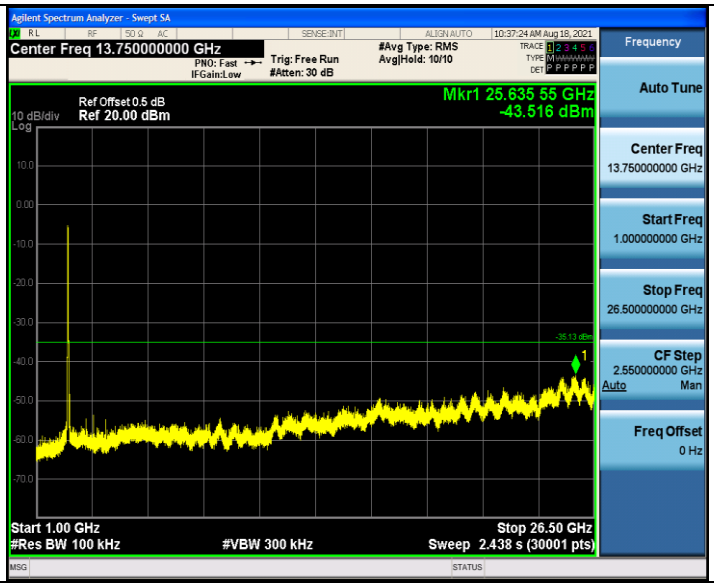

11N40SISO__2452_0~Reference




11N40SISO__2452_30~1000




11N40SISO__2452_1000~26500


Agilent Spectrum Analyzer - Swept SA
Center Freq 13.750000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 10/10
10:37:24 AM Aug 18, 2021
Frequency
Auto Tune
Center Freq
13.750000000 GHz
Start Freq
1.000000000 GHz
Stop Freq
26.500000000 GHz
CF Step
2.550000000 GHz
Auto
Man
Freq Offset
0 Hz
Mkr1 25.635 55 GHz
-43.516 dBm
Ref Offset 0.5 dB
10 dB/div
Ref 20.00 dBm
Log
Start 1.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.438 s (30001 pts)

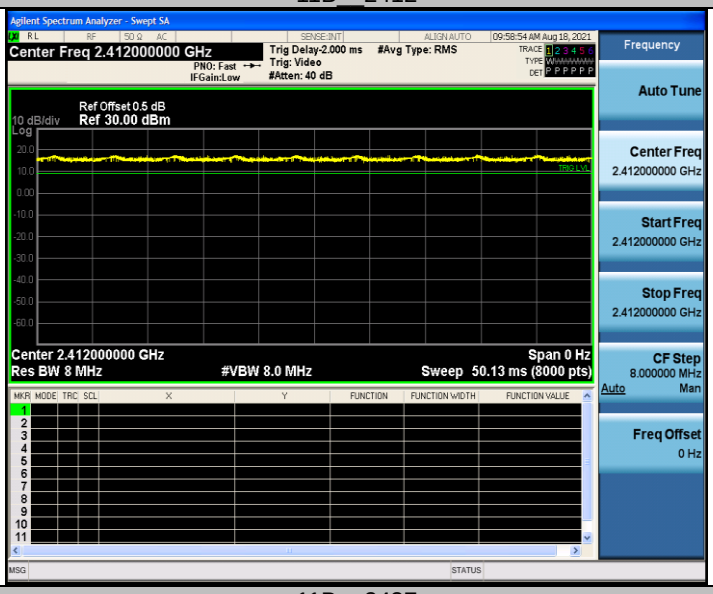
# Duty Cycle

## Test Result

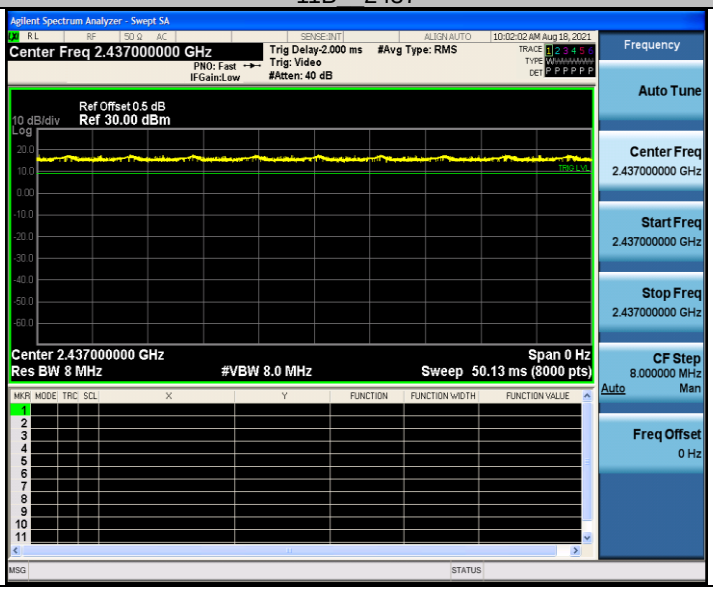
| Test Mode | Channel | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Limit | Verdict |
|---|---|---|---|---|---|---|
| 11B | 2412 | 50.00 | 50.00 | 100.00 | --- | PASS |
| | 2437 | 50.00 | 50.00 | 100.00 | --- | PASS |
| | 2462 | 50.00 | 50.00 | 100.00 | --- | PASS |
| 11G | 2412 | 50.00 | 50.00 | 100.00 | --- | PASS |
| | 2437 | 50.00 | 50.00 | 100.00 | --- | PASS |
| | 2462 | 50.00 | 50.00 | 100.00 | --- | PASS |
| 11N20SISO | 2412 | 50.00 | 50.00 | 100.00 | --- | PASS |
| | 2437 | 50.00 | 50.00 | 100.00 | --- | PASS |
| | 2462 | 50.00 | 50.00 | 100.00 | --- | PASS |
| 11N40SISO | 2422 | 50.00 | 50.00 | 100.00 | --- | PASS |
| | 2437 | 50.00 | 50.00 | 100.00 | --- | PASS |
| | 2452 | 50.00 | 50.00 | 100.00 | --- | PASS |

## Test Graphs

11B_2412




11B_2437



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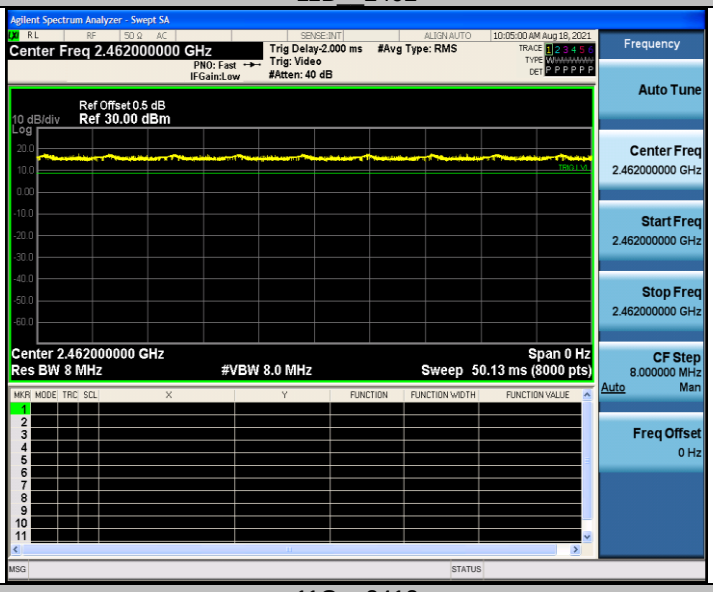


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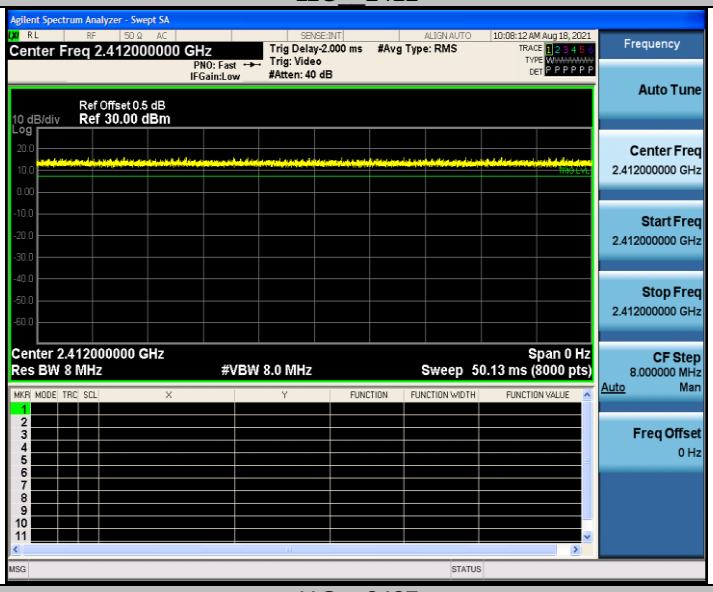


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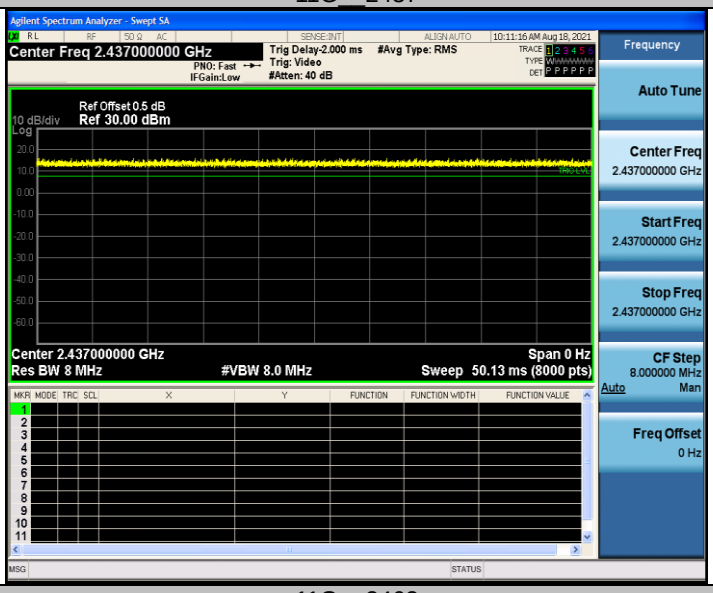


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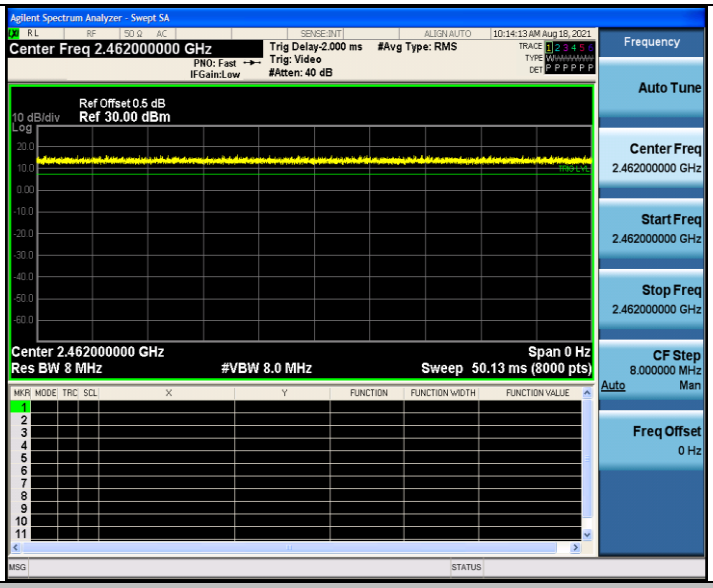


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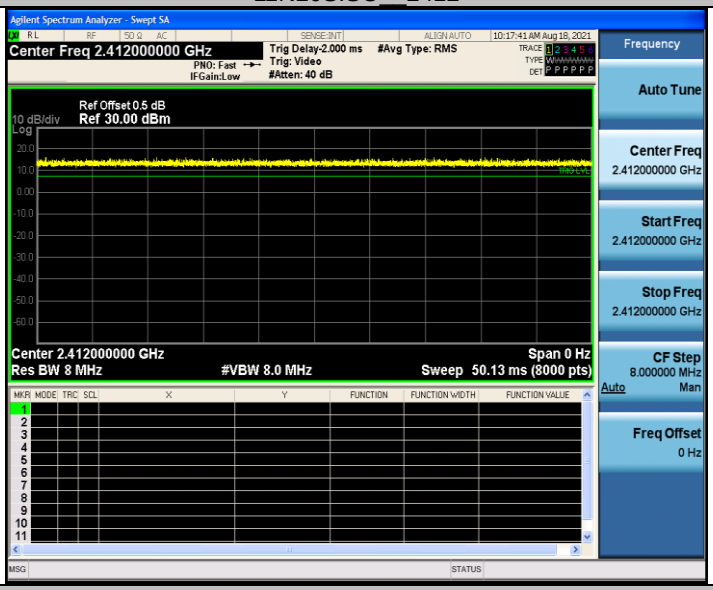


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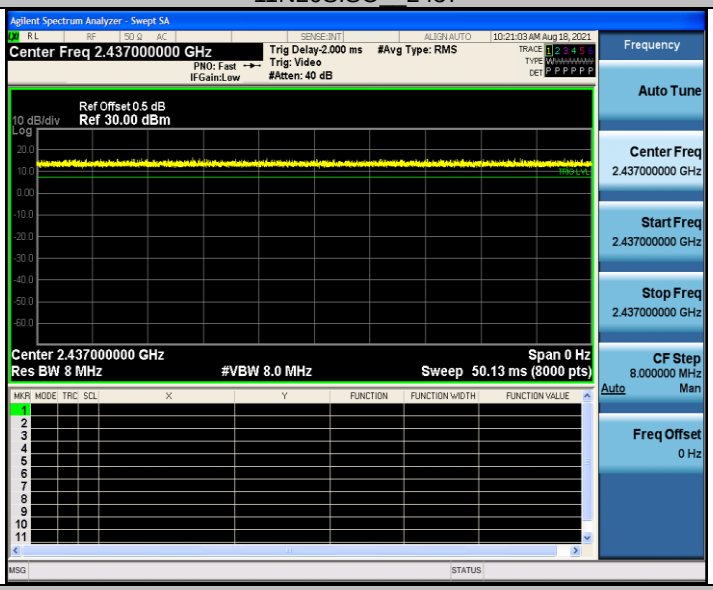


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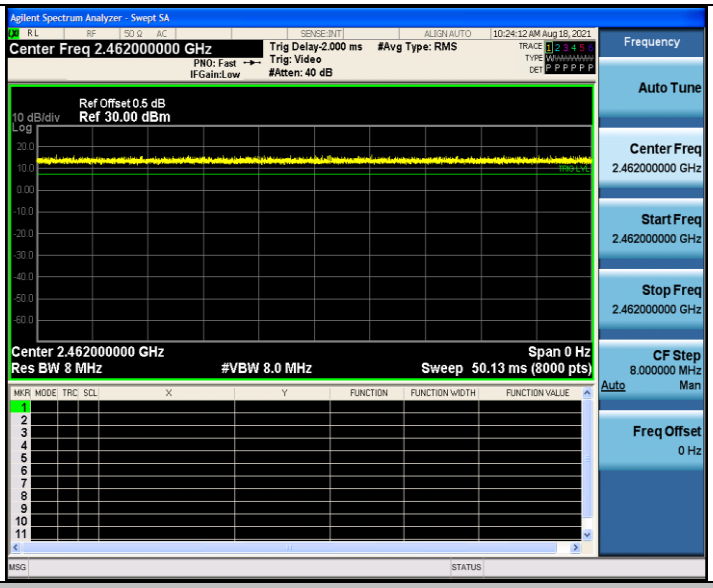


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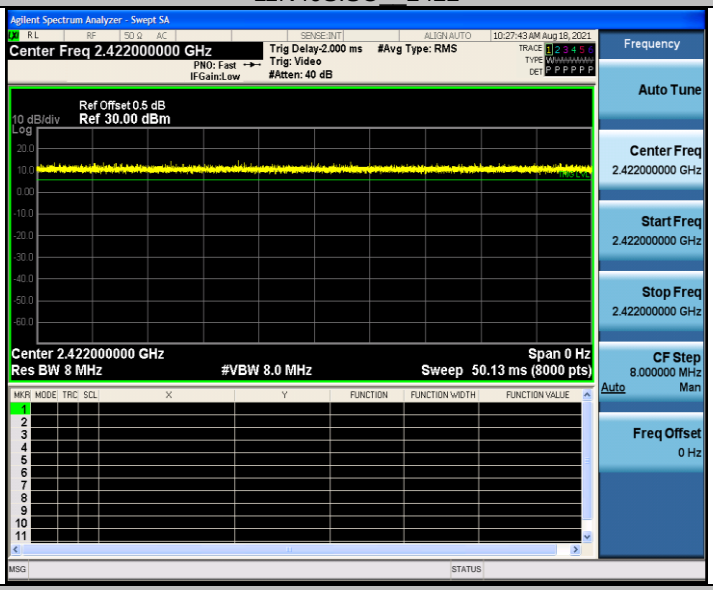


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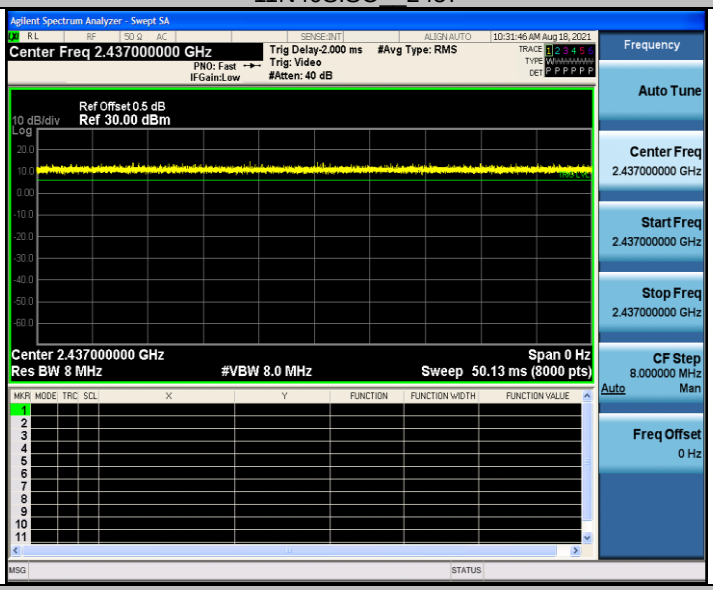


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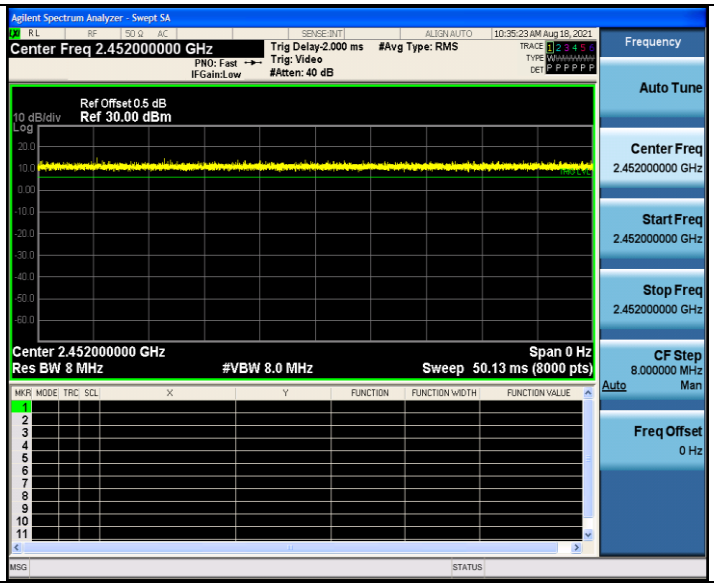
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Trig: Video
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Ref Offset 0.5 dB
10 dB/div
Ref 30.00 dBm
Log
Center 2.452000000 GHz
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Res BW 8 MHz
#VBW 8.0 MHz
Sweep 50.13 ms (8000 pts)
Frequency
Auto Tune
Center Freq
2.452000000 GHz
Start Freq
2.452000000 GHz
Stop Freq
2.452000000 GHz
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz

## Appendix B: Photographs of Test Setup

**Refer to the test report No. TCT210121E010**

## Appendix C: Photographs of EUT

**Refer to the test report No. TCT210121E010**

********END OF REPORT********