

APPENDIX 1

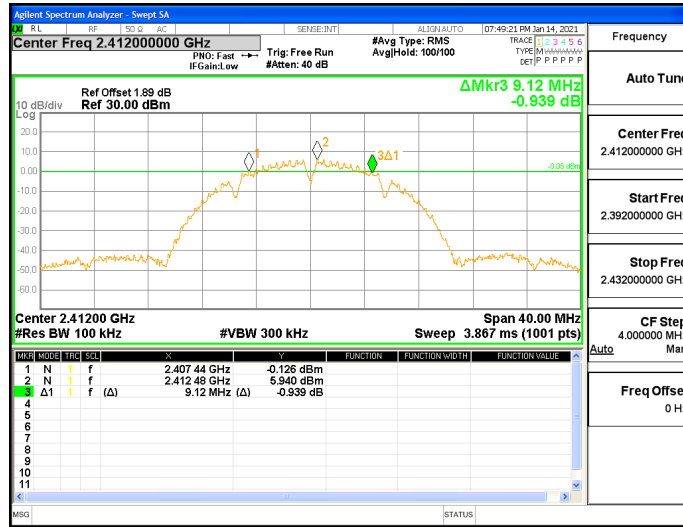
1.1 APPENDIX : DTS BANDWIDTH

Test Result

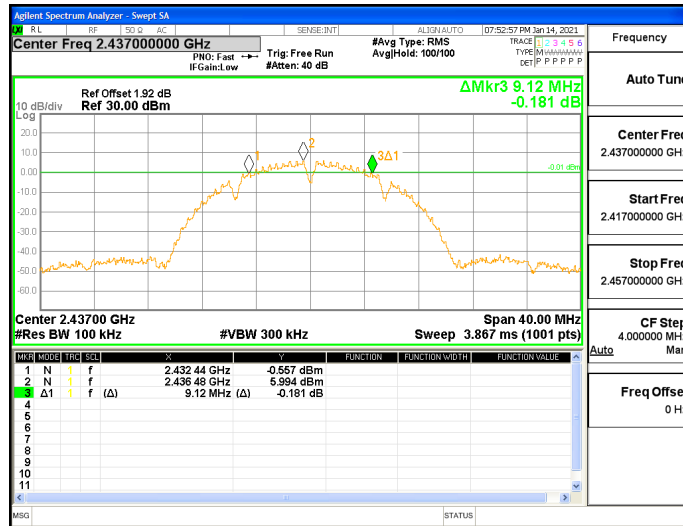
| TestMode | Antenna | Channel | DTS 6dB BW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|-----------|---------|---------|------------------|----------|----------|------------|---------|
| 11B | Ant1 | 2412 | 9.120 | 2407.440 | 2416.560 | >=0.5 | PASS |
| | | 2437 | 9.120 | 2432.440 | 2441.560 | >=0.5 | PASS |
| | | 2462 | 9.120 | 2457.440 | 2466.560 | >=0.5 | PASS |
| 11G | Ant1 | 2412 | 16.640 | 2403.680 | 2420.320 | >=0.5 | PASS |
| | | 2437 | 16.600 | 2428.680 | 2445.280 | >=0.5 | PASS |
| | | 2462 | 16.640 | 2453.680 | 2470.320 | >=0.5 | PASS |
| 11N20SISO | Ant1 | 2412 | 17.800 | 2403.080 | 2420.880 | >=0.5 | PASS |
| | | 2437 | 17.840 | 2428.080 | 2445.920 | >=0.5 | PASS |
| | | 2462 | 17.840 | 2453.080 | 2470.920 | >=0.5 | PASS |
| 11N40SISO | Ant1 | 2422 | 36.640 | 2403.680 | 2440.320 | >=0.5 | PASS |
| | | 2437 | 36.560 | 2418.680 | 2455.240 | >=0.5 | PASS |
| | | 2452 | 36.560 | 2433.680 | 2470.240 | >=0.5 | PASS |

Test Graphs

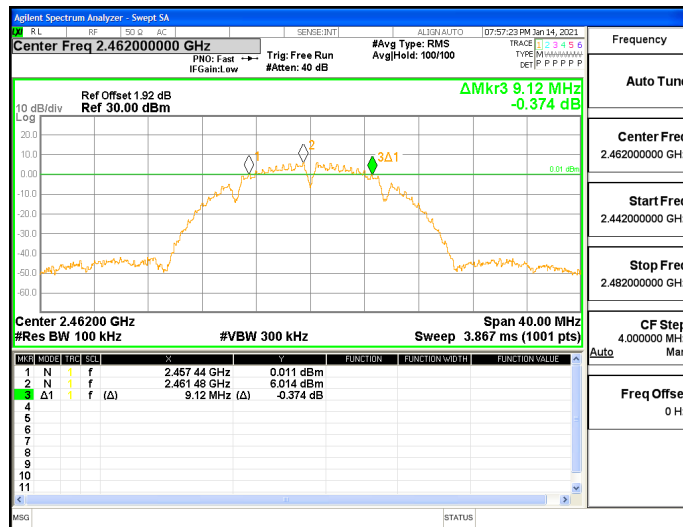
11B_Ant1_2412



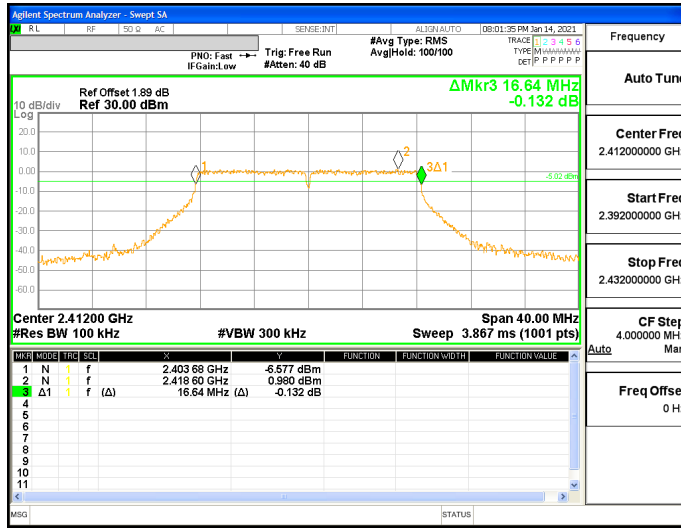
11B_Ant1_2437



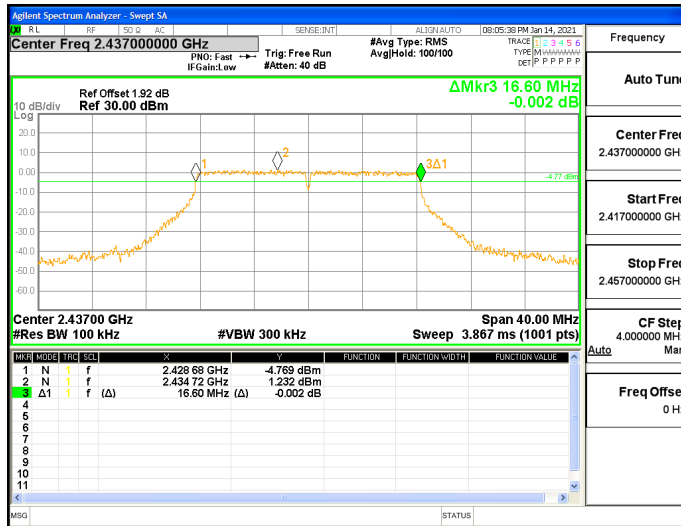
11B_Ant1_2462



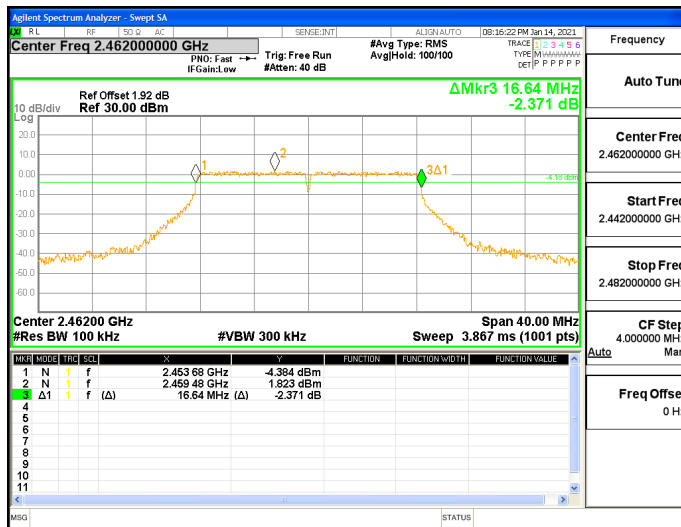
11G_Ant1_2412



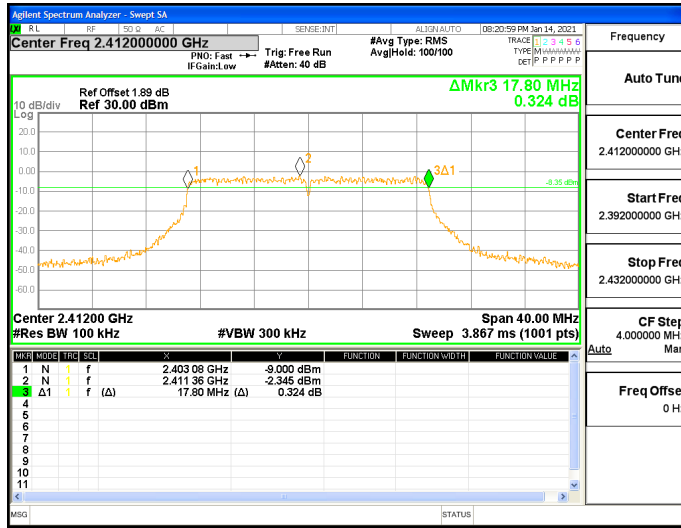
11G_Ant1_2437



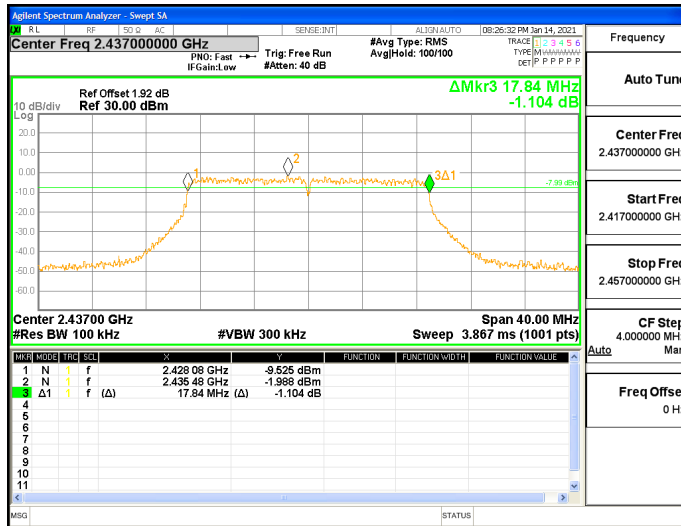
11G_Ant1_2462



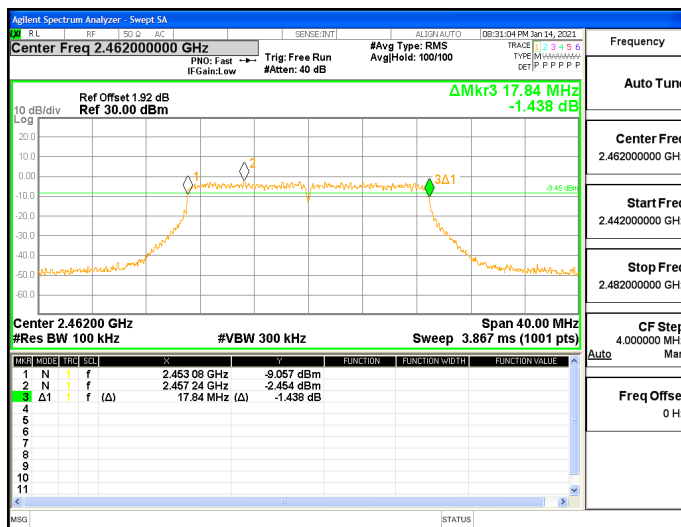
11N20SISO_Ant1_2412



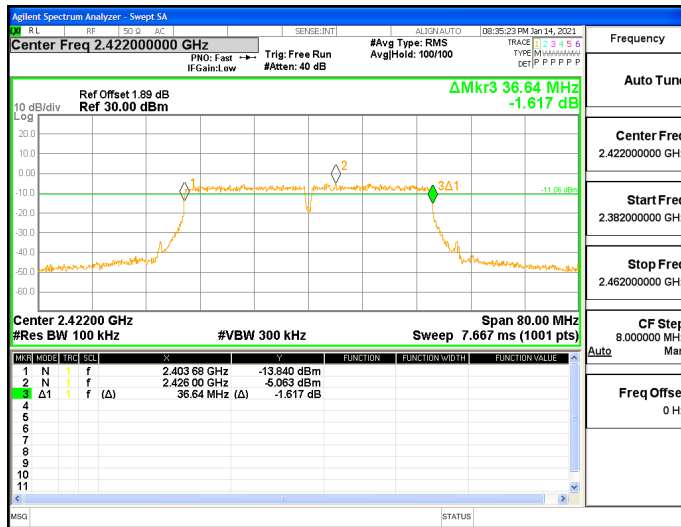
11N20SISO_Ant1_2437



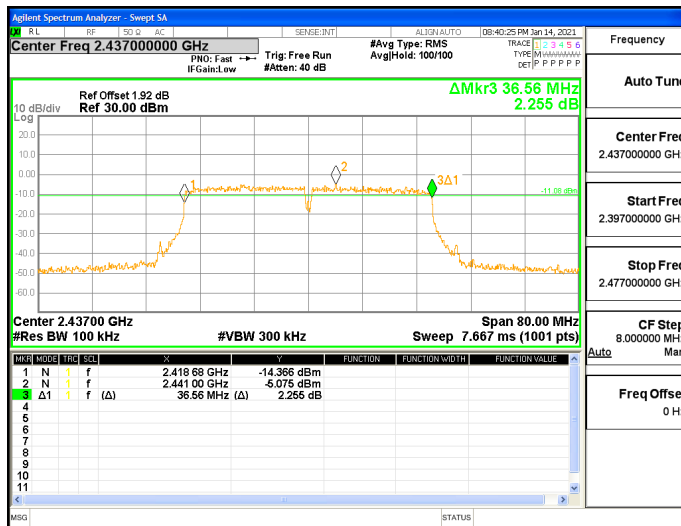
11N20SISO_Ant1_2462



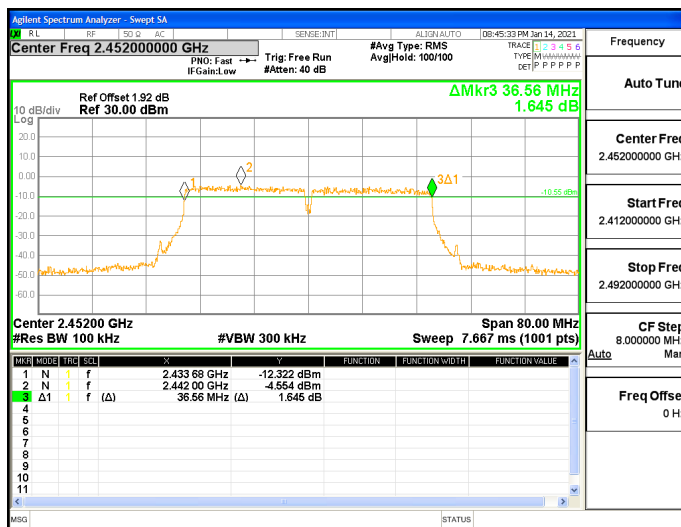
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



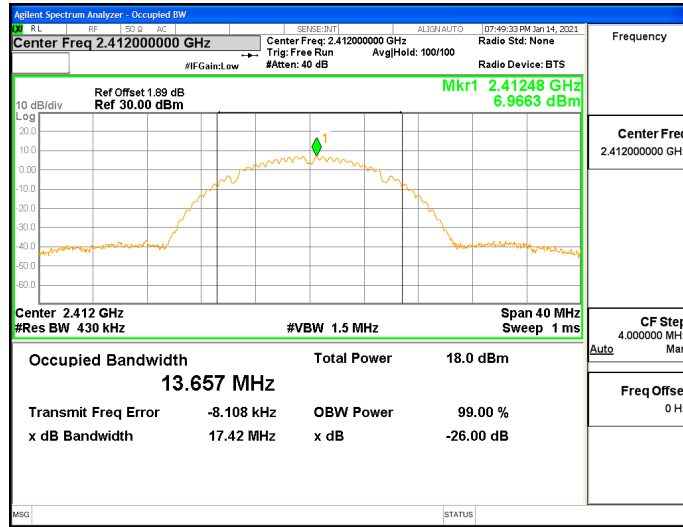
1.2 APPENDIX : OCCUPIED CHANNEL BANDWIDTH

Test Result

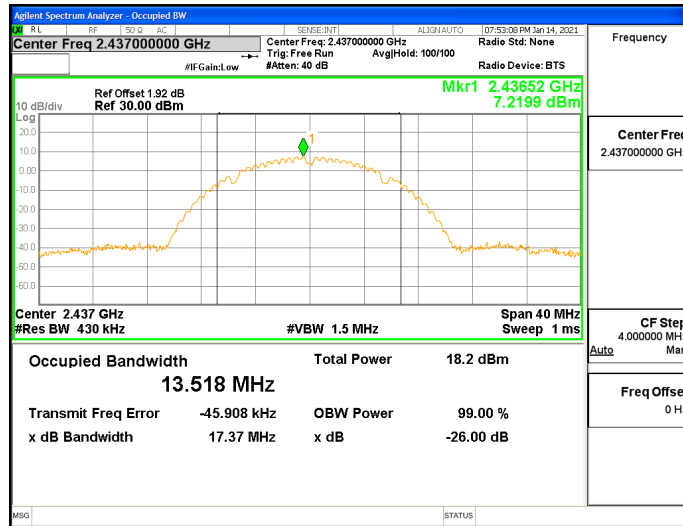
| TestMode | Antenna | Channel | OCB [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|-----------|---------|---------|-----------|----------|----------|------------|---------|
| 11B | Ant1 | 2412 | 13.657 | 2405.163 | 2418.820 | --- | PASS |
| | | 2437 | 13.518 | 2430.195 | 2443.713 | --- | PASS |
| | | 2462 | 13.534 | 2455.205 | 2468.739 | --- | PASS |
| 11G | Ant1 | 2412 | 16.999 | 2403.440 | 2420.439 | --- | PASS |
| | | 2437 | 16.964 | 2428.404 | 2445.368 | --- | PASS |
| | | 2462 | 16.970 | 2453.439 | 2470.409 | --- | PASS |
| 11N20SISO | Ant1 | 2412 | 17.877 | 2403.051 | 2420.928 | --- | PASS |
| | | 2437 | 17.810 | 2428.067 | 2445.877 | --- | PASS |
| | | 2462 | 17.856 | 2453.069 | 2470.925 | --- | PASS |
| 11N40SISO | Ant1 | 2422 | 36.391 | 2403.820 | 2440.211 | --- | PASS |
| | | 2437 | 36.309 | 2418.817 | 2455.126 | --- | PASS |
| | | 2452 | 36.467 | 2433.705 | 2470.172 | --- | PASS |

Test Graphs

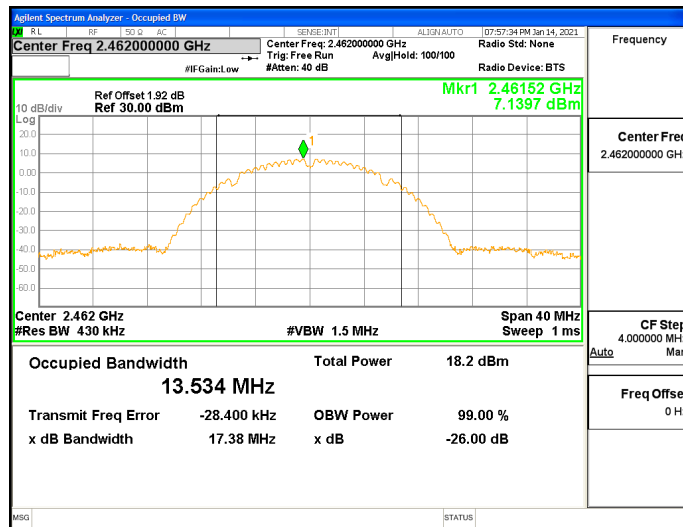
11B_Ant1_2412



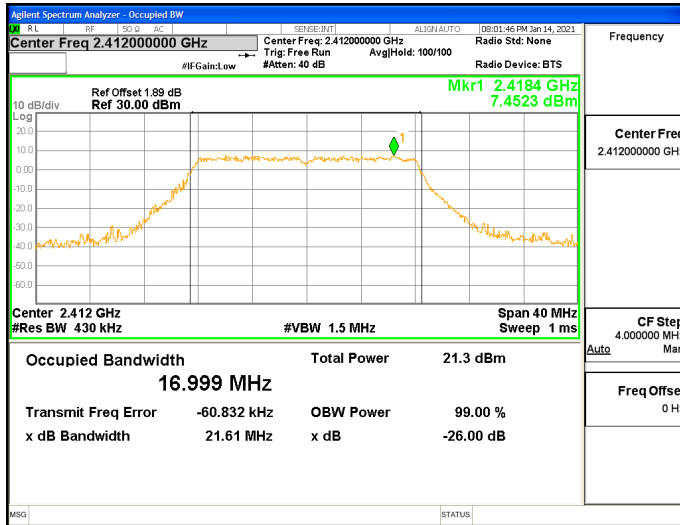
11B_Ant1_2437



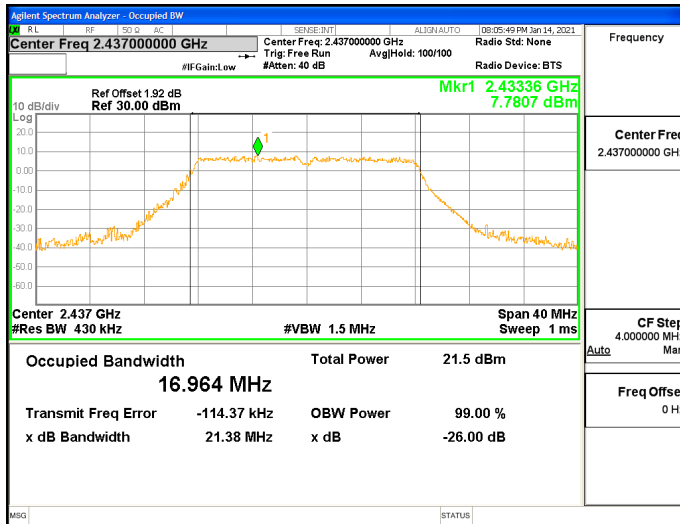
11B_Ant1_2462



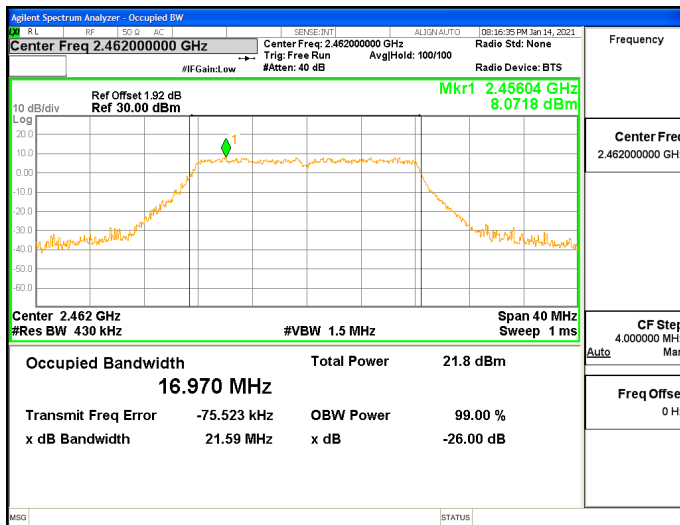
11G_Ant1_2412



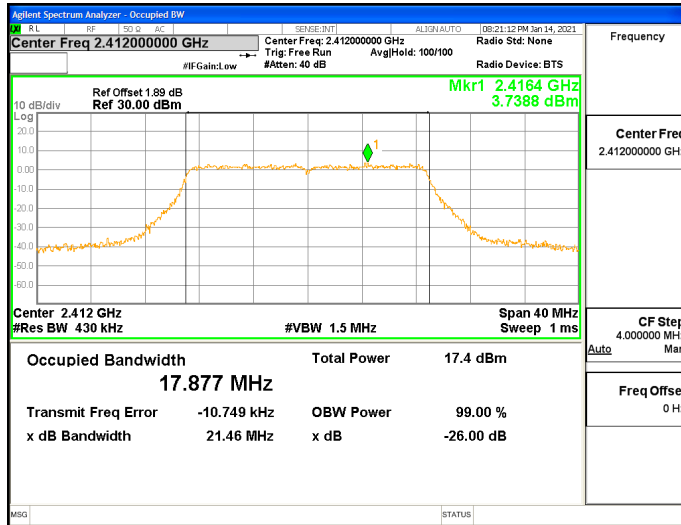
11G_Ant1_2437



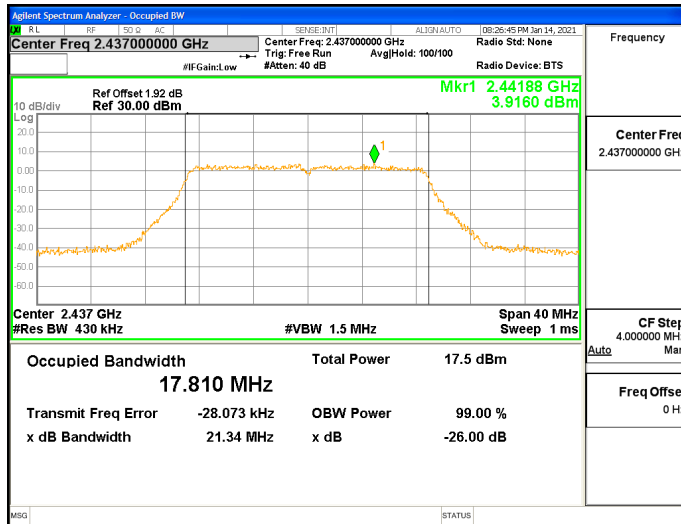
11G_Ant1_2462



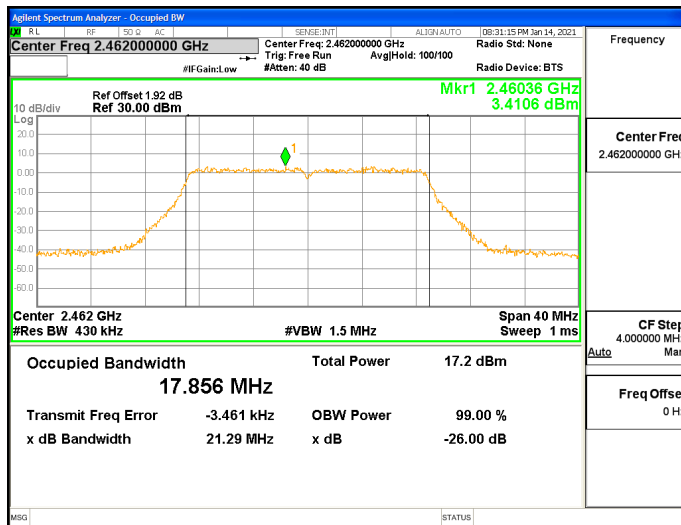
11N20SISO_Ant1_2412



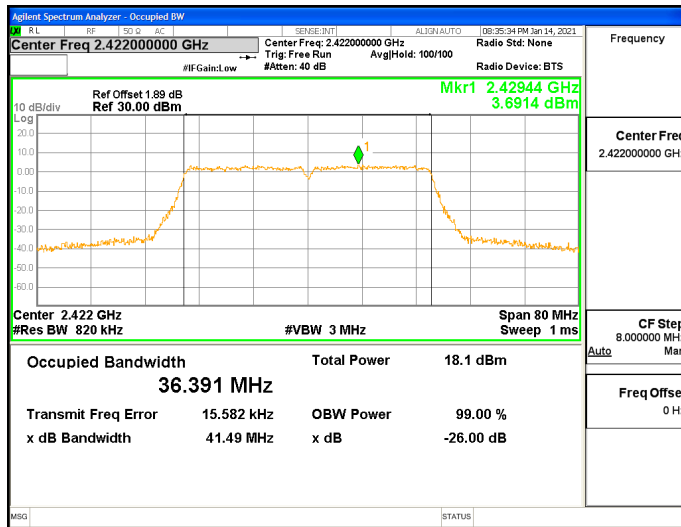
11N20SISO_Ant1_2437



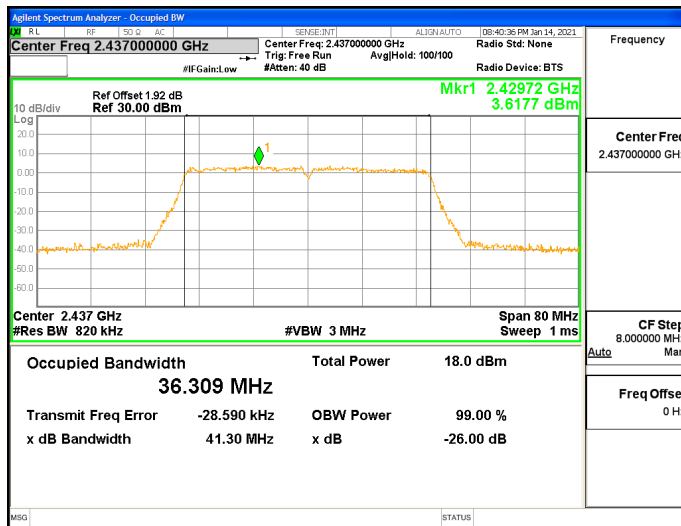
11N20SISO_Ant1_2462



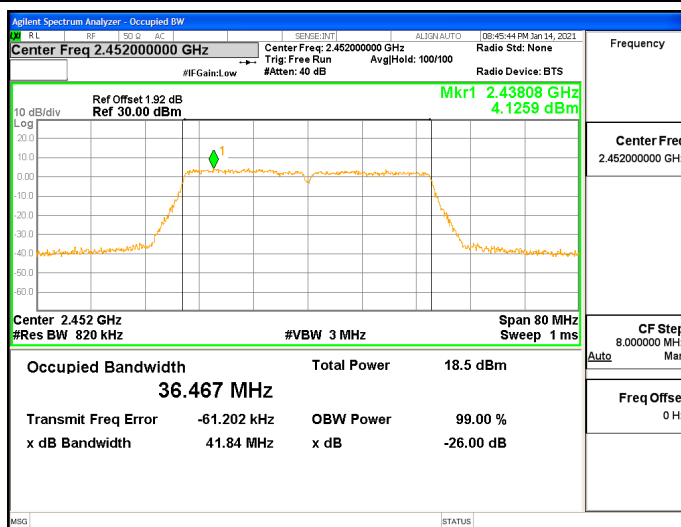
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



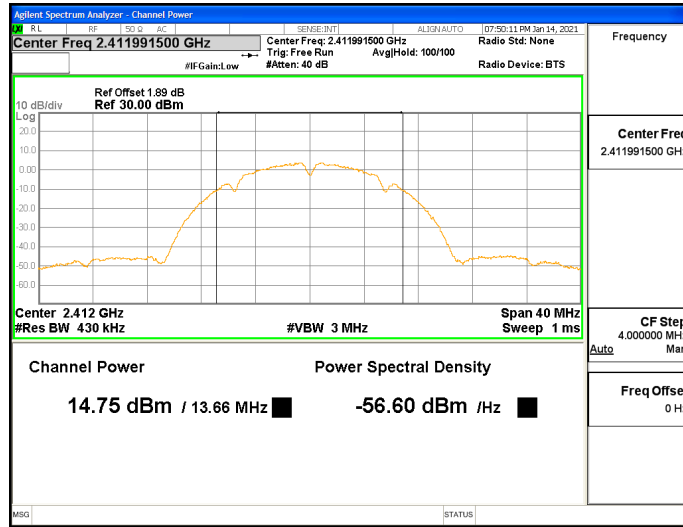
1.3 APPENDIX : MAXIMUM CONDUCTED OUTPUT POWER

Test Result

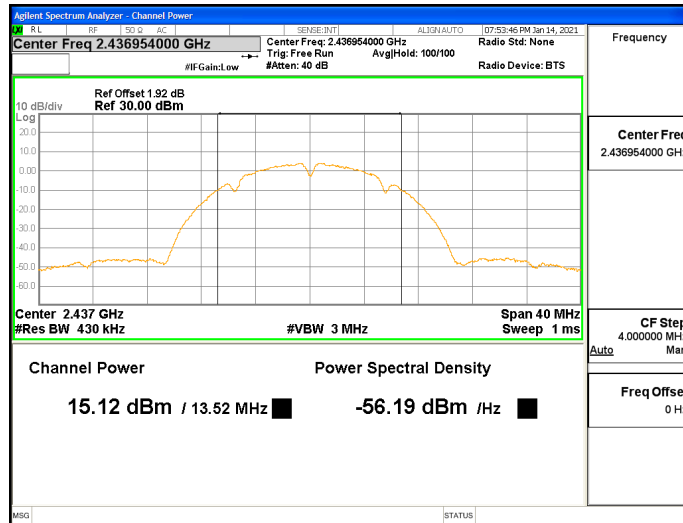
| TestMode | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|-------------|------------|---------|
| 11B | Ant1 | 2412 | 14.75 | <=30 | PASS |
| | | 2437 | 15.12 | <=30 | PASS |
| | | 2462 | 15.08 | <=30 | PASS |
| 11G | Ant1 | 2412 | 14.96 | <=30 | PASS |
| | | 2437 | 15.43 | <=30 | PASS |
| | | 2462 | 15.51 | <=30 | PASS |
| 11N20SISO | Ant1 | 2412 | 10.64 | <=30 | PASS |
| | | 2437 | 10.84 | <=30 | PASS |
| | | 2462 | 10.53 | <=30 | PASS |
| 11N40SISO | Ant1 | 2422 | 10.75 | <=30 | PASS |
| | | 2437 | 10.66 | <=30 | PASS |
| | | 2452 | 11.17 | <=30 | PASS |

Test Graphs

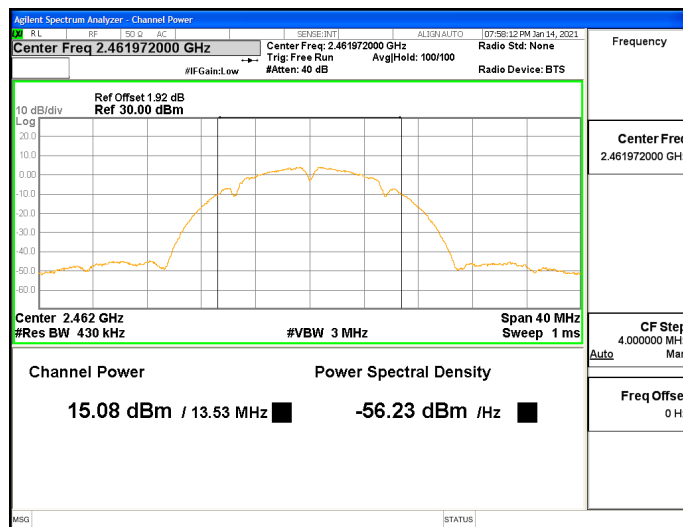
11B_Ant1_2412



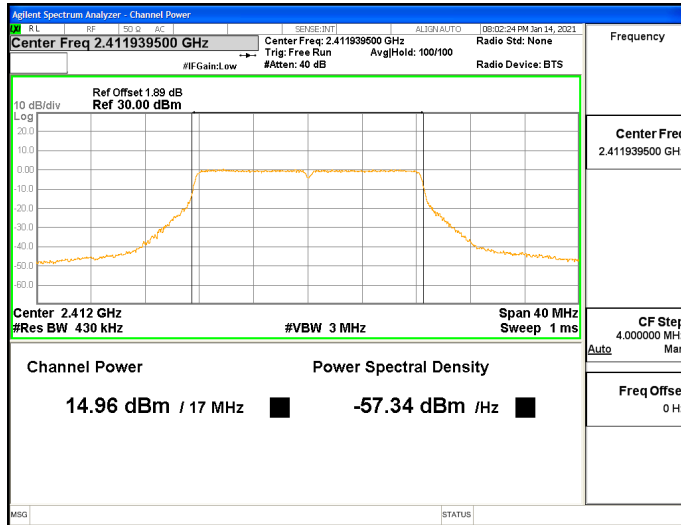
11B_Ant1_2437



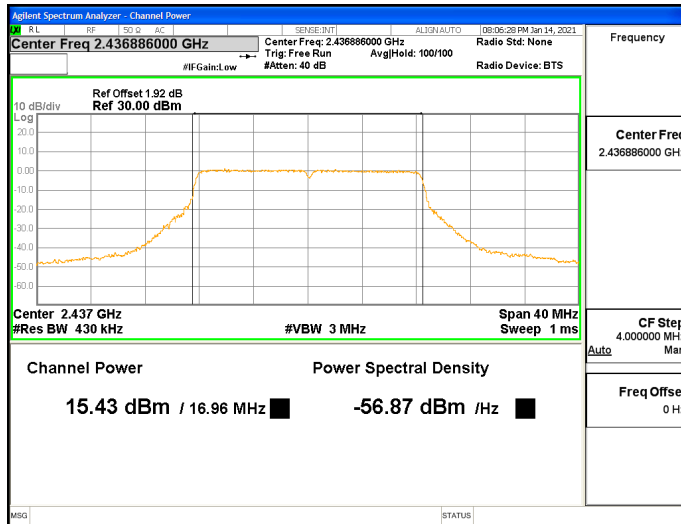
11B_Ant1_2462



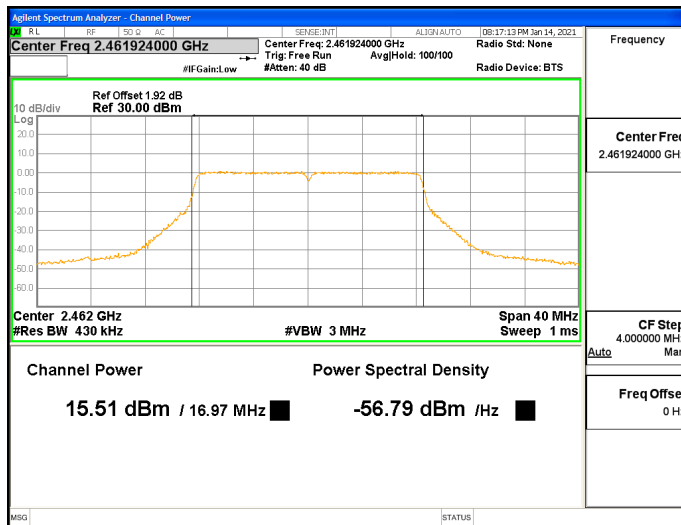
11G_Ant1_2412



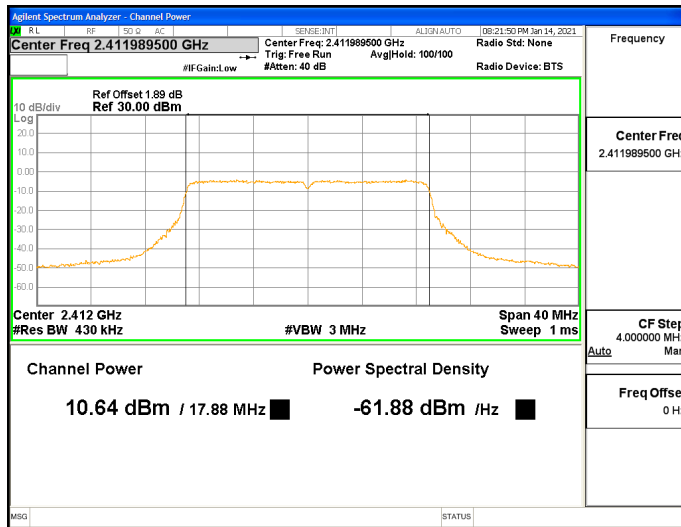
11G_Ant1_2437



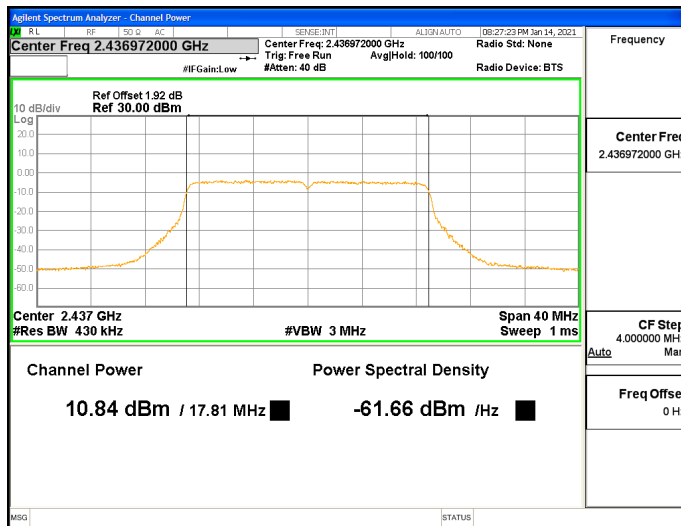
11G_Ant1_2462



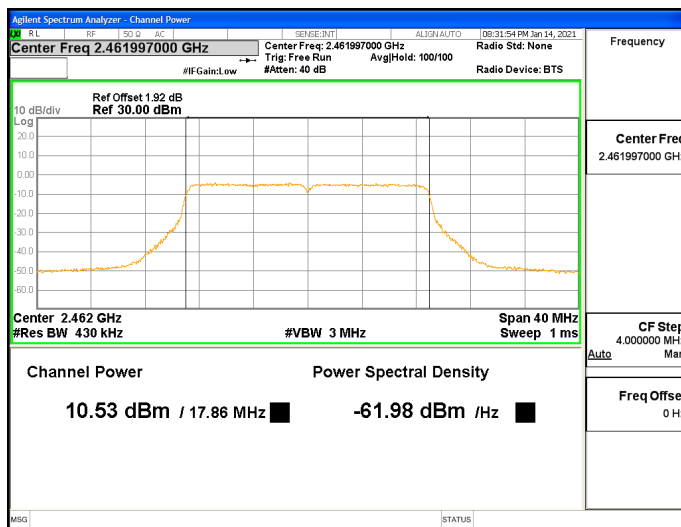
11N20SISO_Ant1_2412



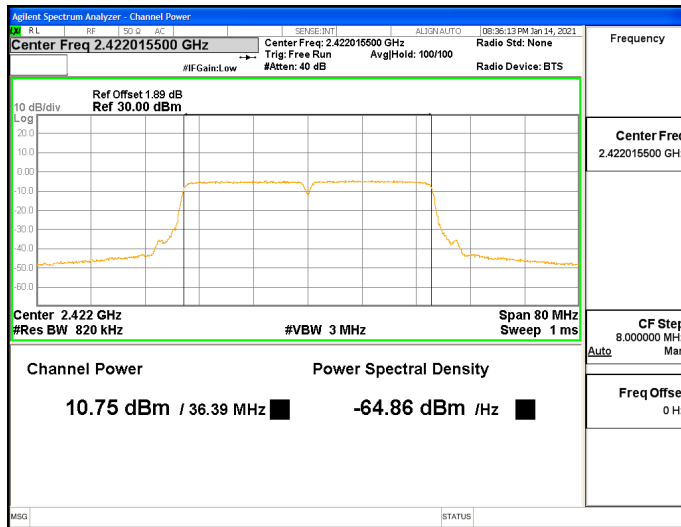
11N20SISO_Ant1_2437



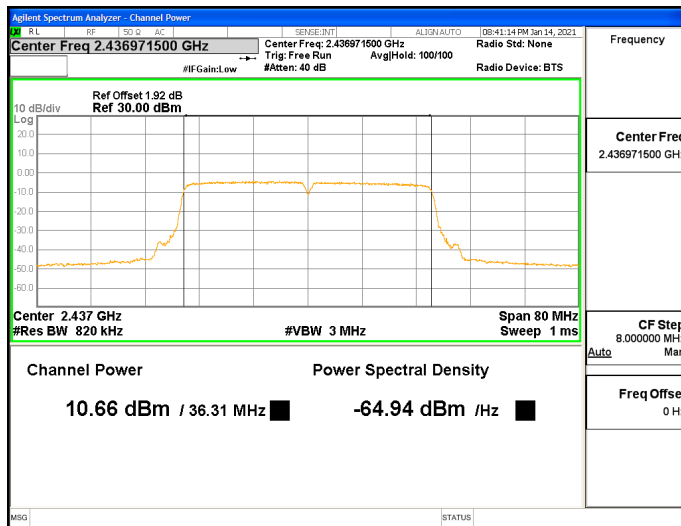
11N20SISO_Ant1_2462



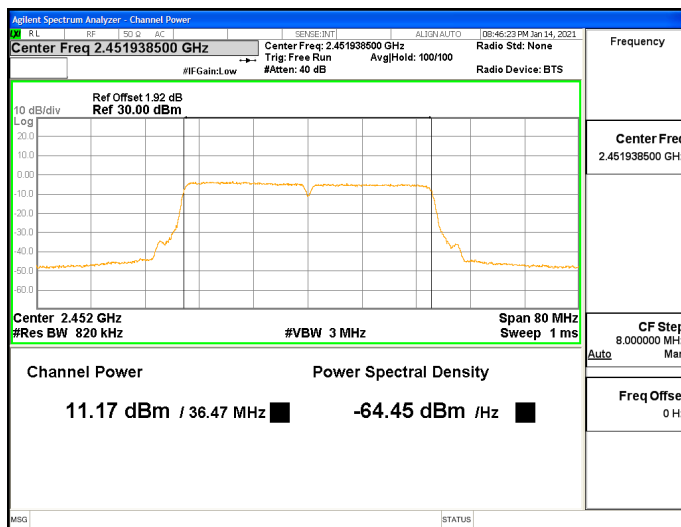
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



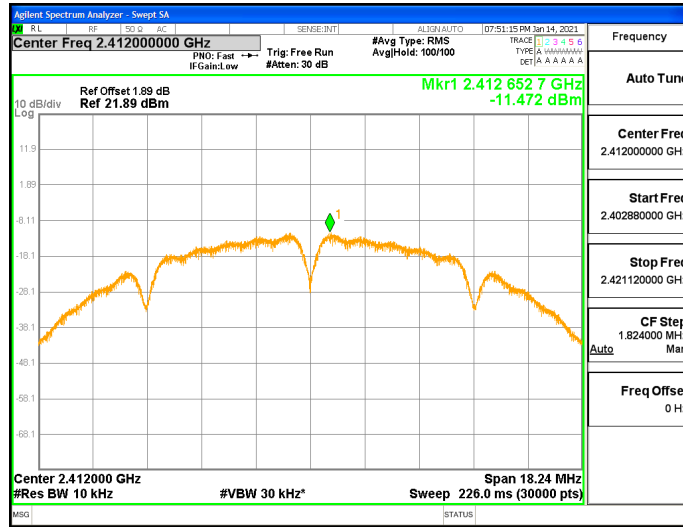
1.4 APPENDIX : MAXIMUM POWER SPECTRAL DENSITY

Test Result

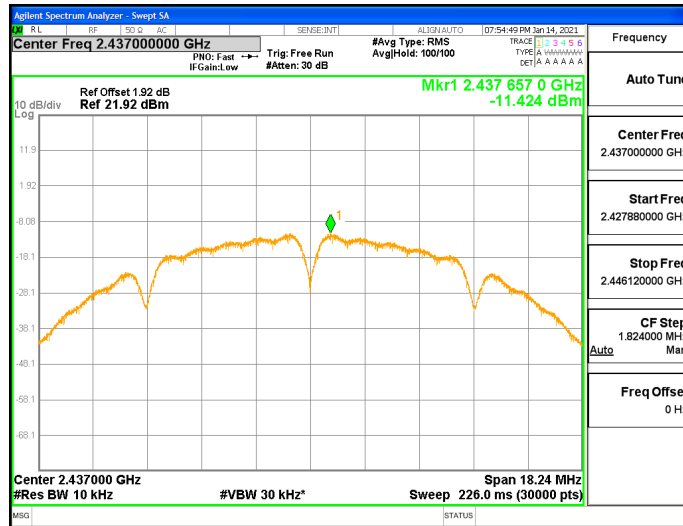
| TestMode | Antenna | Channel | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|---------|----------------------|-----------------|---------|
| 11B | Ant1 | 2412 | -11.47 | <=8 | PASS |
| | | 2437 | -11.42 | <=8 | PASS |
| | | 2462 | -11.10 | <=8 | PASS |
| 11G | Ant1 | 2412 | -14.14 | <=8 | PASS |
| | | 2437 | -13.55 | <=8 | PASS |
| | | 2462 | -13.50 | <=8 | PASS |
| 11N20SISO | Ant1 | 2412 | -17.18 | <=8 | PASS |
| | | 2437 | -16.95 | <=8 | PASS |
| | | 2462 | -17.32 | <=8 | PASS |
| 11N40SISO | Ant1 | 2422 | -18.99 | <=8 | PASS |
| | | 2437 | -18.60 | <=8 | PASS |
| | | 2452 | -17.84 | <=8 | PASS |

Test Graphs

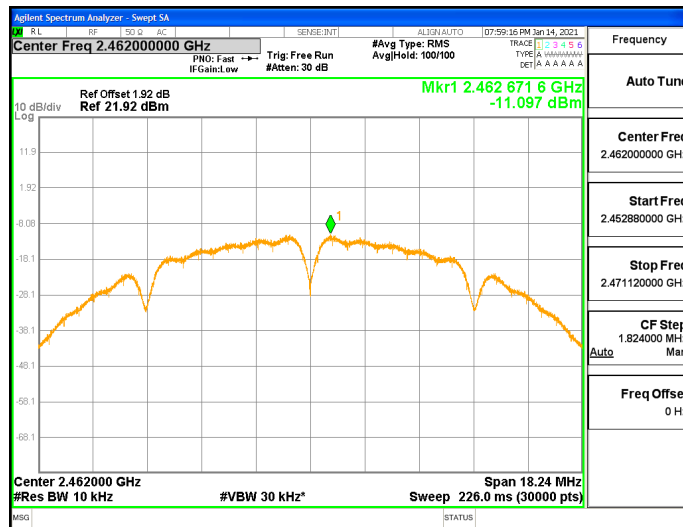
11B_Ant1_2412



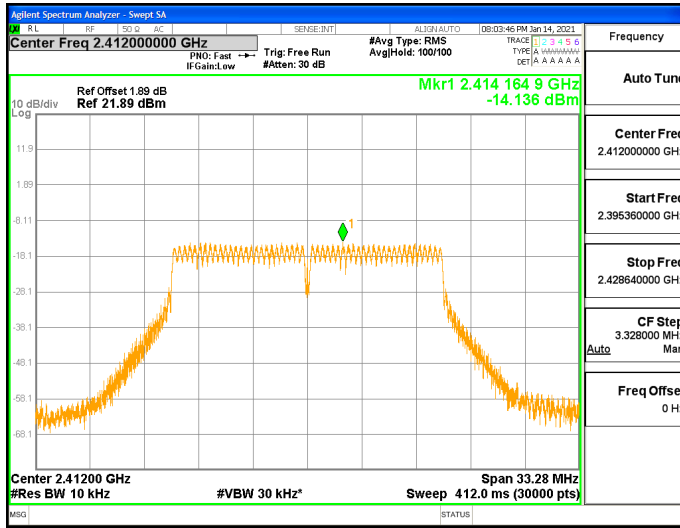
11B_Ant1_2437



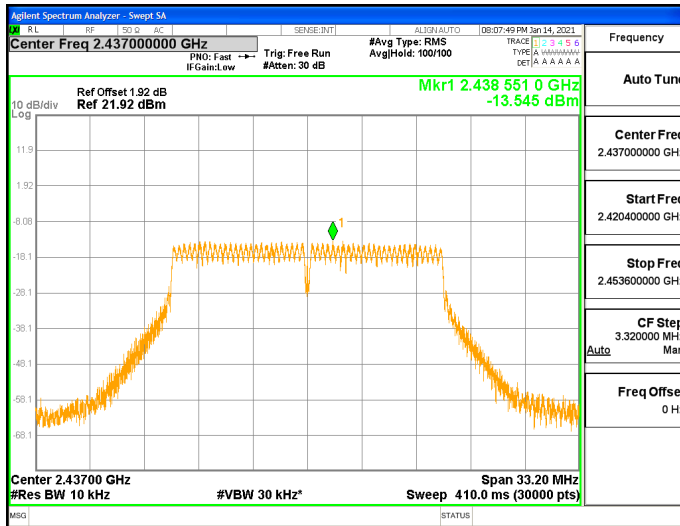
11B_Ant1_2462



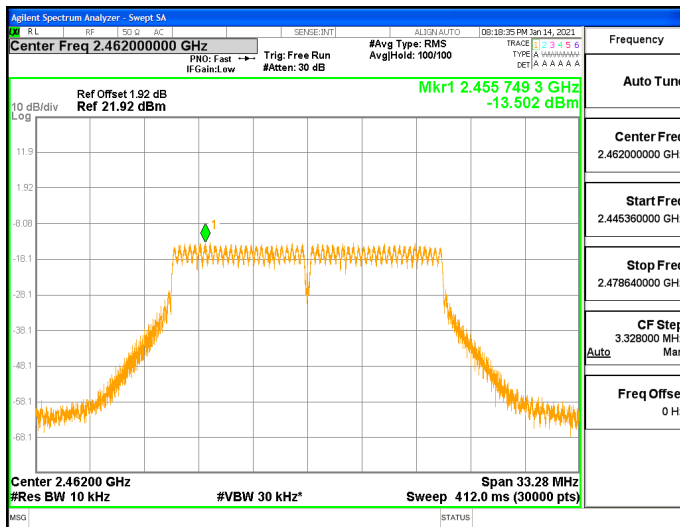
11G_Ant1_2412



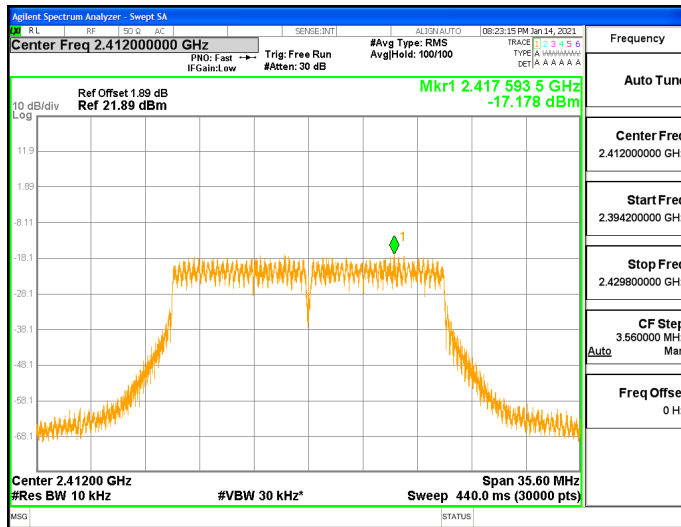
11G_Ant1_2437



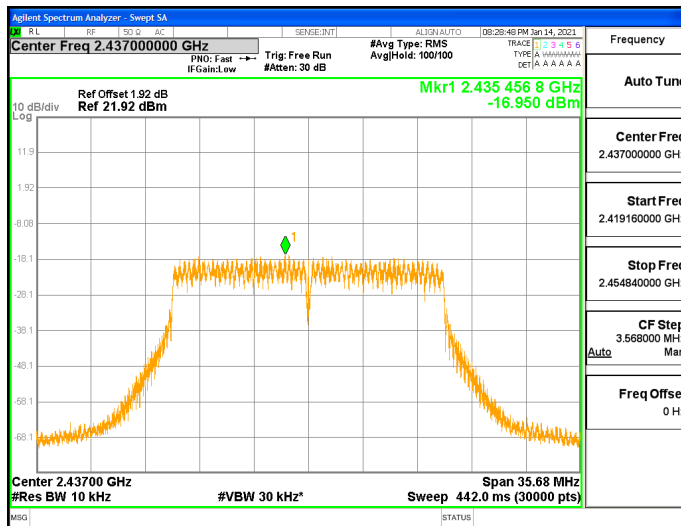
11G_Ant1_2462



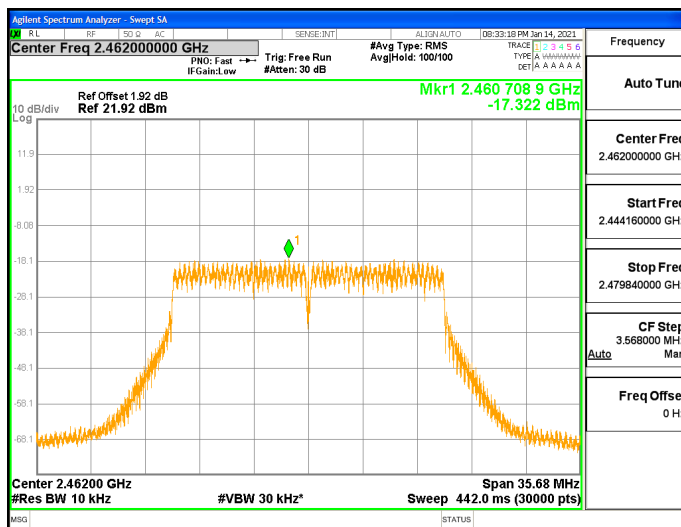
11N20SISO_Ant1_2412



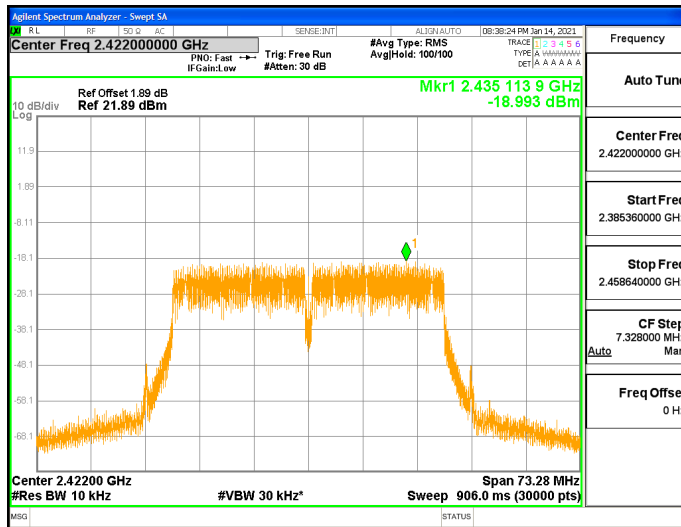
11N20SISO_Ant1_2437



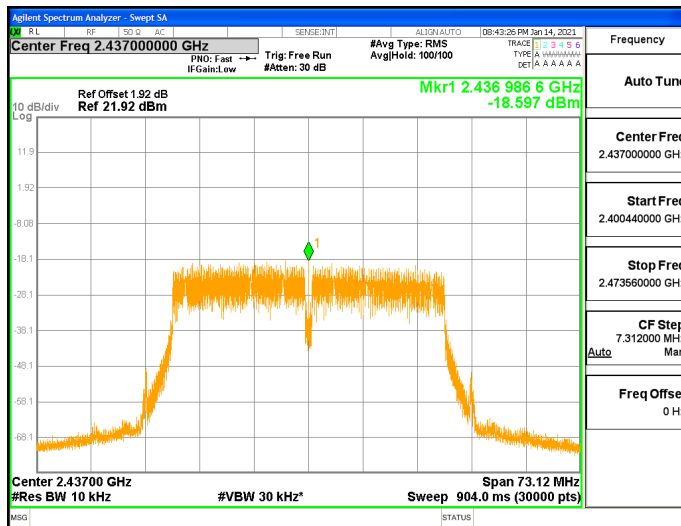
11N20SISO_Ant1_2462



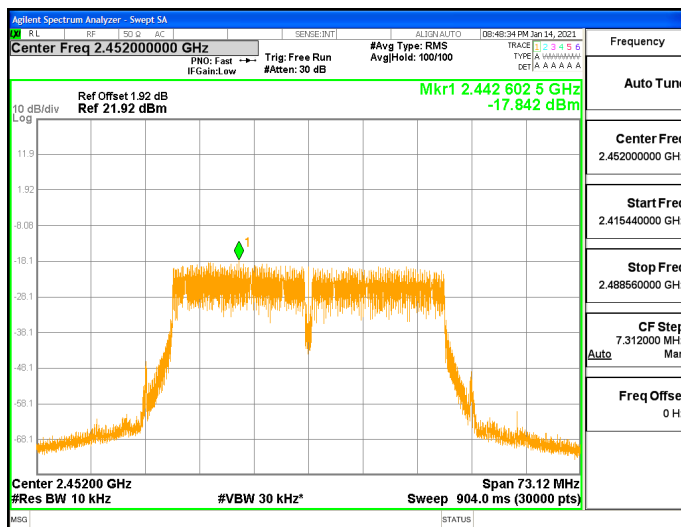
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



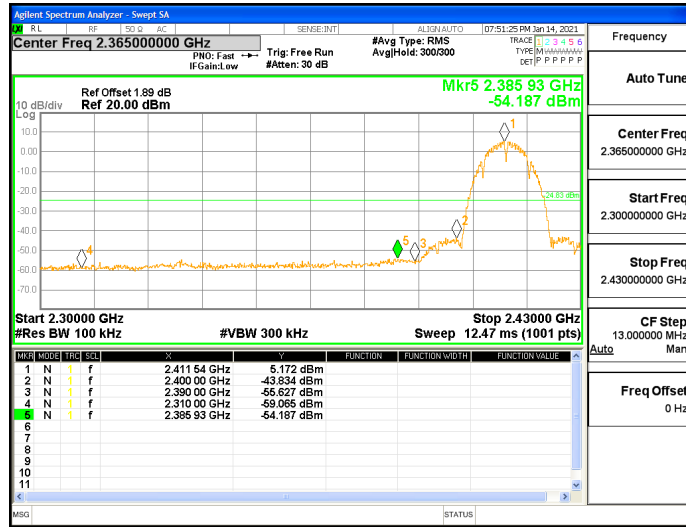
1.5 APPENDIX : BAND EDGE MEASUREMENTS

Test Result

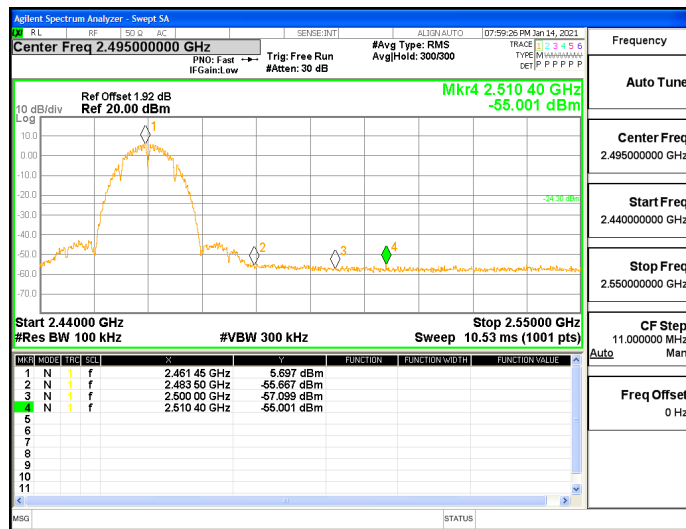
| TestMode | Antenna | ChName | Channel | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|--------|---------|---------------|-------------|------------|---------|
| 11B | Ant1 | Low | 2412 | 5.17 | -43.8 | <=-24.83 | PASS |
| | | High | 2462 | 5.70 | -55.0 | <=-24.3 | PASS |
| 11G | Ant1 | Low | 2412 | 0.40 | -36.2 | <=-29.6 | PASS |
| | | High | 2462 | 0.96 | -48.6 | <=-29.05 | PASS |
| 11N20SISO | Ant1 | Low | 2412 | -2.53 | -39.6 | <=-32.53 | PASS |
| | | High | 2462 | -2.89 | -52.8 | <=-32.89 | PASS |
| 11N40SISO | Ant1 | Low | 2422 | -5.65 | -36.9 | <=-35.65 | PASS |
| | | High | 2452 | -4.76 | -51.9 | <=-34.76 | PASS |

Test Graphs

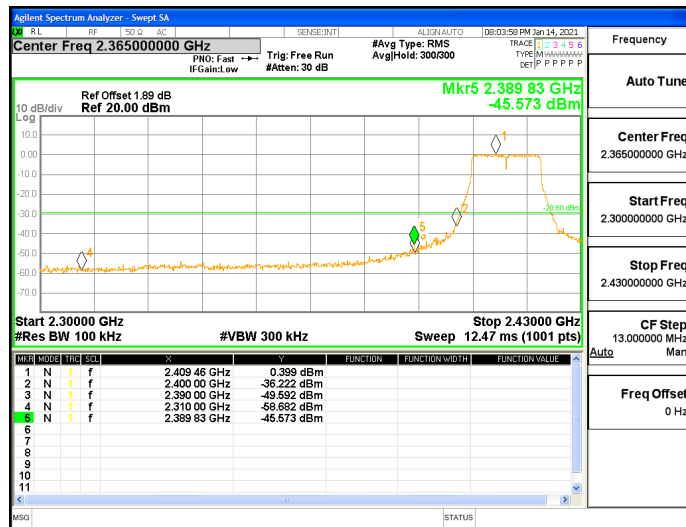
11B_Ant1_Low_2412



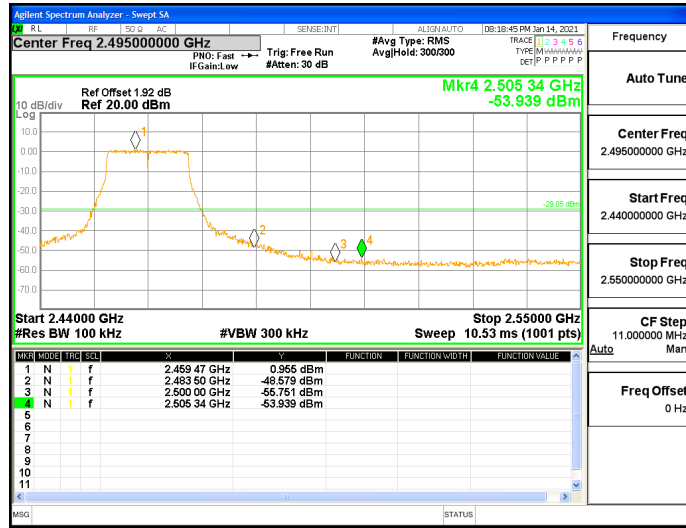
11B_Ant1_High_2462



11G_Ant1_Low_2412

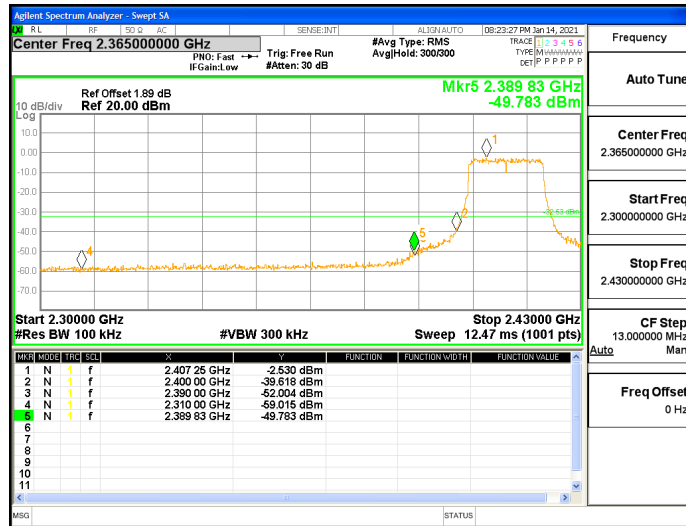


11G_Ant1_High_2462



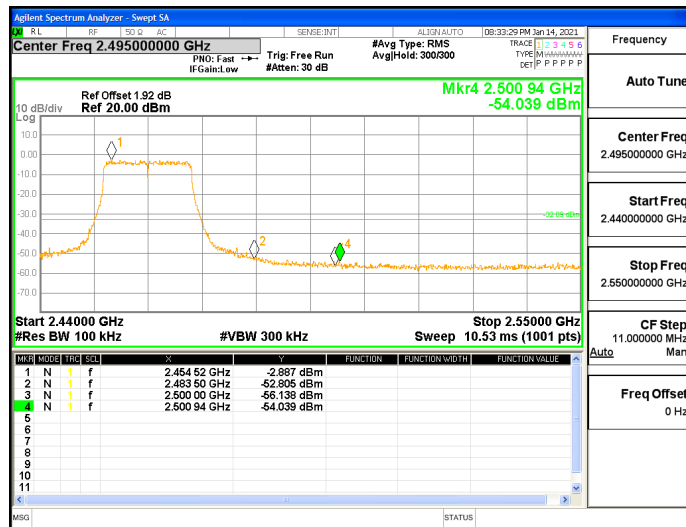
| | |
|-------------|-----------------|
| Frequency | |
| Auto Tune | |
| Center Freq | 2.495000000 GHz |
| Start Freq | 2.440000000 GHz |
| Stop Freq | 2.550000000 GHz |
| CF Step | 11.000000 MHz |
| Auto | Man |
| Freq Offset | 0 Hz |

11N20SISO_Ant1_Low_2412



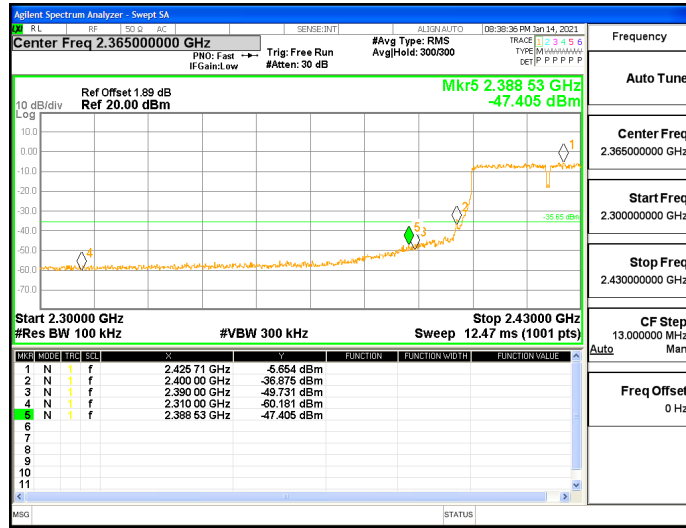
| | |
|-------------|-----------------|
| Frequency | |
| Auto Tune | |
| Center Freq | 2.365000000 GHz |
| Start Freq | 2.300000000 GHz |
| Stop Freq | 2.430000000 GHz |
| CF Step | 13.000000 MHz |
| Auto | Man |
| Freq Offset | 0 Hz |

11N20SISO_Ant1_High_2462

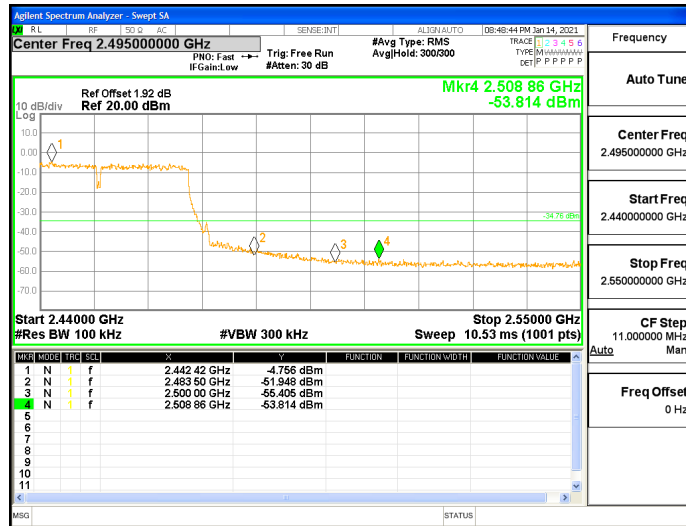


| | |
|-------------|-----------------|
| Frequency | |
| Auto Tune | |
| Center Freq | 2.495000000 GHz |
| Start Freq | 2.440000000 GHz |
| Stop Freq | 2.550000000 GHz |
| CF Step | 11.000000 MHz |
| Auto | Man |
| Freq Offset | 0 Hz |

11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



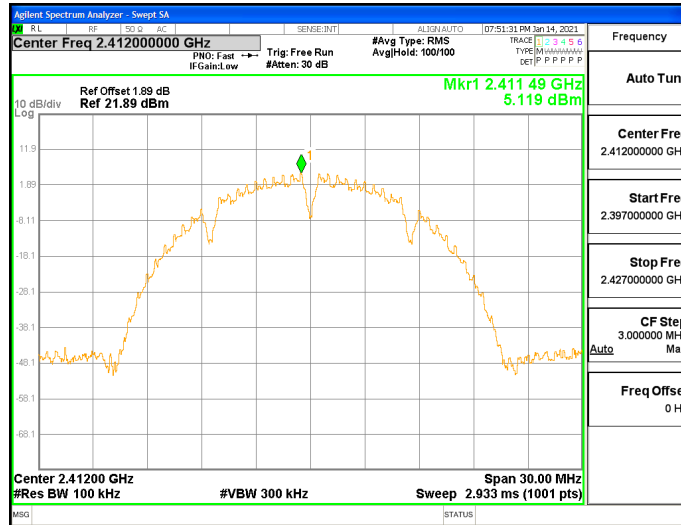
1.6 APPENDIX : CONDUCTED SPURIOUS EMISSION

Test Result

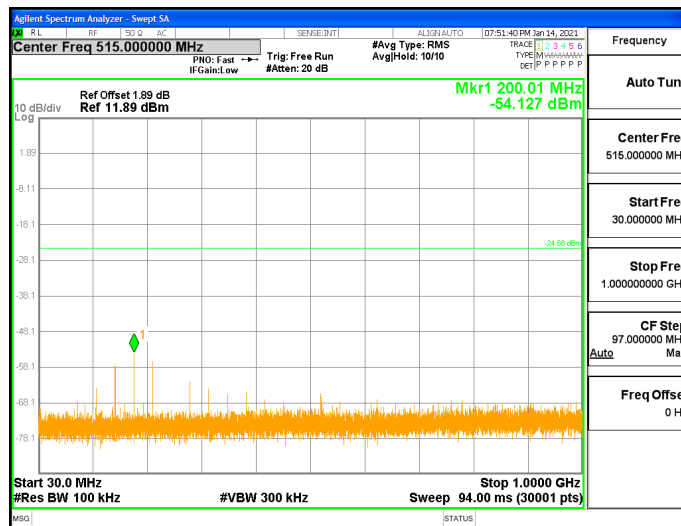
| TestMode | Antenna | Channel | FreqRange [Mhz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|---------|-----------------|----------------|--------------|-------------|---------|
| 11B | Ant1 | 2412 | Reference | 5.12 | 5.12 | --- | PASS |
| | | | 30~1000 | 30~1000 | -54.127 | <=-24.881 | PASS |
| | | | 1000~26500 | 1000~26500 | -47.653 | <=-24.881 | PASS |
| | | 2437 | Reference | 5.73 | 5.73 | --- | PASS |
| | | | 30~1000 | 30~1000 | -54.126 | <=-24.268 | PASS |
| | | | 1000~26500 | 1000~26500 | -47.436 | <=-24.268 | PASS |
| | | 2462 | Reference | 5.63 | 5.63 | --- | PASS |
| | | | 30~1000 | 30~1000 | -54.341 | <=-24.372 | PASS |
| | | | 1000~26500 | 1000~26500 | -48.516 | <=-24.372 | PASS |
| 11G | Ant1 | 2412 | Reference | 0.19 | 0.19 | --- | PASS |
| | | | 30~1000 | 30~1000 | -54.983 | <=-29.812 | PASS |
| | | | 1000~26500 | 1000~26500 | -53.707 | <=-29.812 | PASS |
| | | 2437 | Reference | 0.89 | 0.89 | --- | PASS |
| | | | 30~1000 | 30~1000 | -54.461 | <=-29.11 | PASS |
| | | | 1000~26500 | 1000~26500 | -53.461 | <=-29.11 | PASS |
| | | 2462 | Reference | 0.86 | 0.86 | --- | PASS |
| | | | 30~1000 | 30~1000 | -54.915 | <=-29.137 | PASS |
| | | | 1000~26500 | 1000~26500 | -53.995 | <=-29.137 | PASS |
| 11N20SISO | Ant1 | 2412 | Reference | -2.83 | -2.83 | --- | PASS |
| | | | 30~1000 | 30~1000 | -55.083 | <=-32.829 | PASS |
| | | | 1000~26500 | 1000~26500 | -54.512 | <=-32.829 | PASS |
| | | 2437 | Reference | -2.29 | -2.29 | --- | PASS |
| | | | 30~1000 | 30~1000 | -54.864 | <=-32.292 | PASS |
| | | | 1000~26500 | 1000~26500 | -53.008 | <=-32.292 | PASS |
| | | 2462 | Reference | -2.88 | -2.88 | --- | PASS |
| | | | 30~1000 | 30~1000 | -54.527 | <=-32.876 | PASS |
| | | | 1000~26500 | 1000~26500 | -51.405 | <=-32.876 | PASS |
| 11N40SISO | Ant1 | 2422 | Reference | -5.57 | -5.57 | --- | PASS |
| | | | 30~1000 | 30~1000 | -54.834 | <=-35.572 | PASS |
| | | | 1000~26500 | 1000~26500 | -53.403 | <=-35.572 | PASS |
| | | 2437 | Reference | -5.48 | -5.48 | --- | PASS |
| | | | 30~1000 | 30~1000 | -54.643 | <=-35.481 | PASS |
| | | | 1000~26500 | 1000~26500 | -47.473 | <=-35.481 | PASS |
| | | 2452 | Reference | -5.06 | -5.06 | --- | PASS |
| | | | 30~1000 | 30~1000 | -54.885 | <=-35.06 | PASS |
| | | | 1000~26500 | 1000~26500 | -45.329 | <=-35.06 | PASS |

Test Graphs

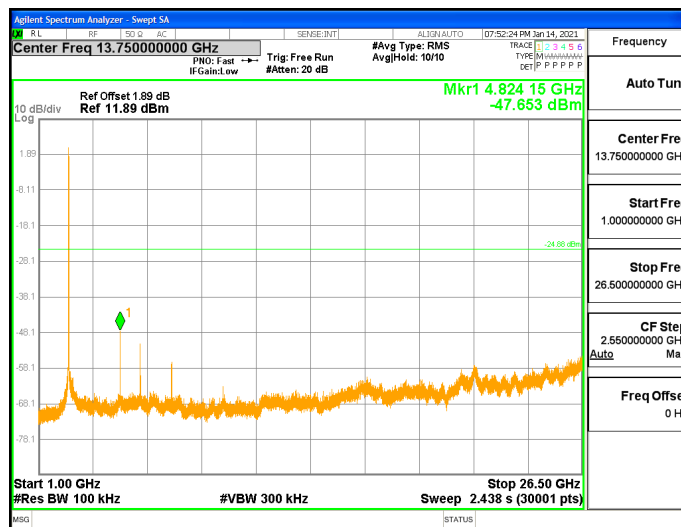
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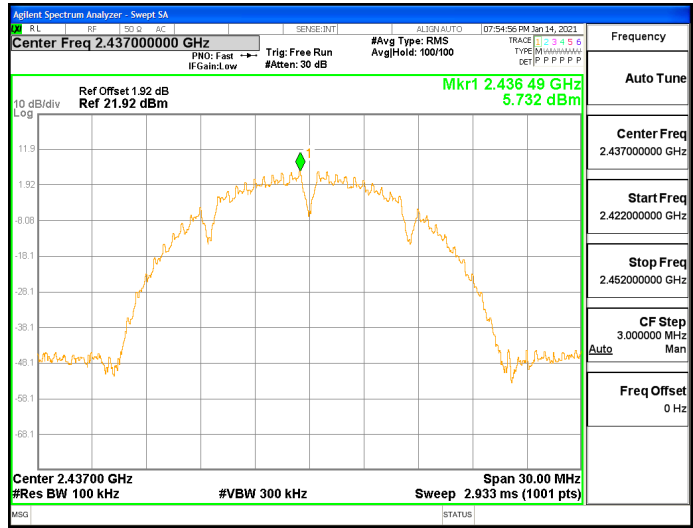
11B_Ant1_2412_30~1000



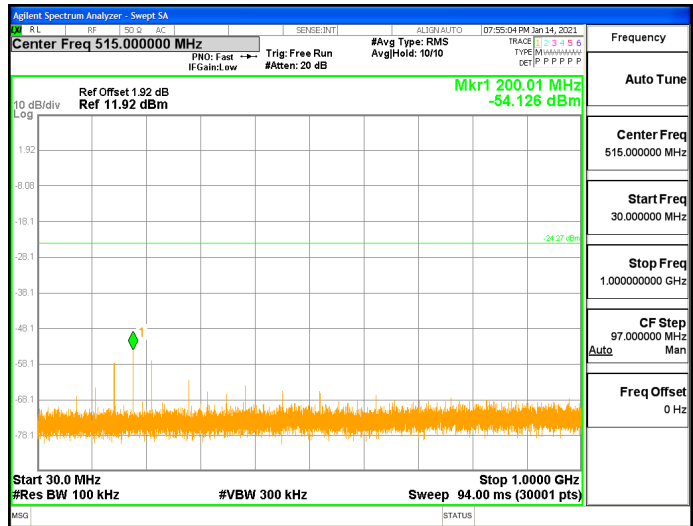
11B_Ant1_2412_1000~26500



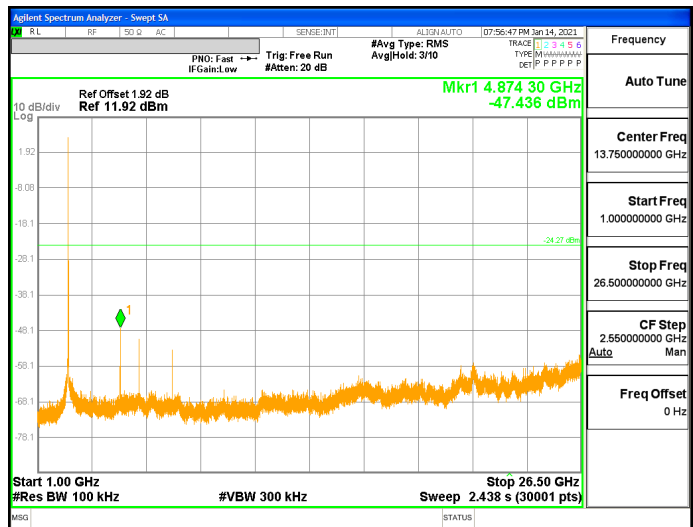
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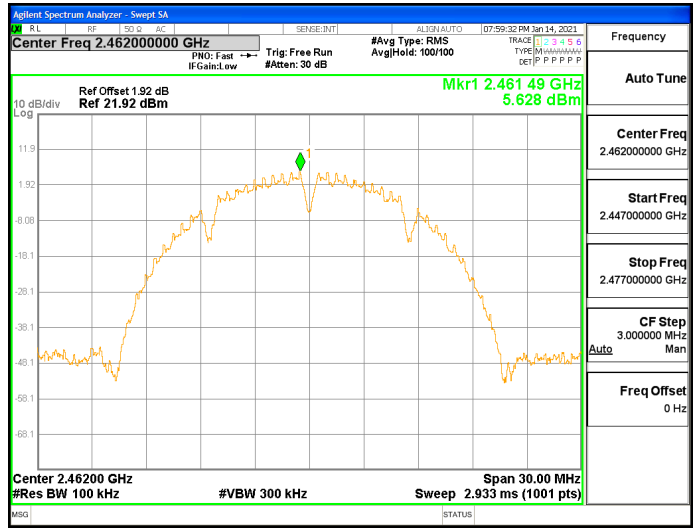
11B_Ant1_2437_30~1000



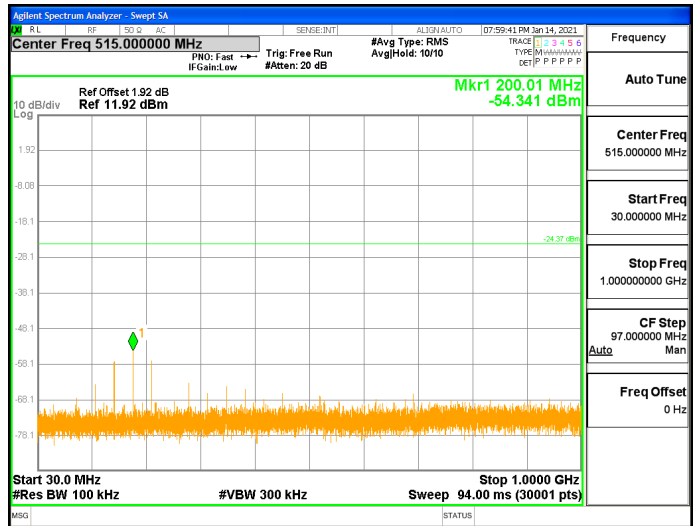
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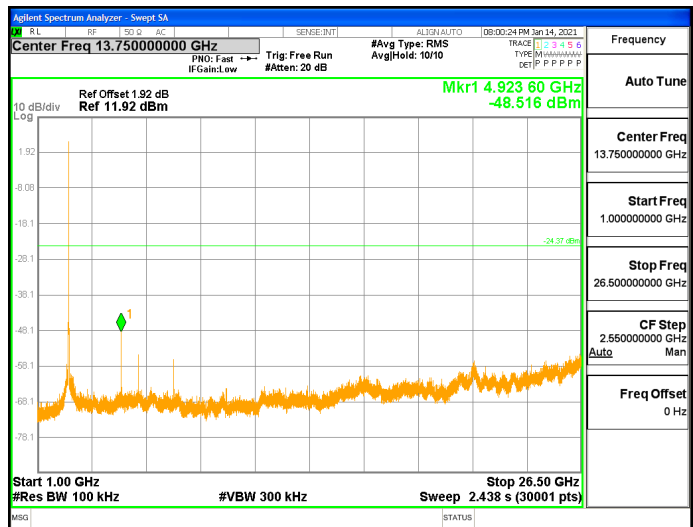
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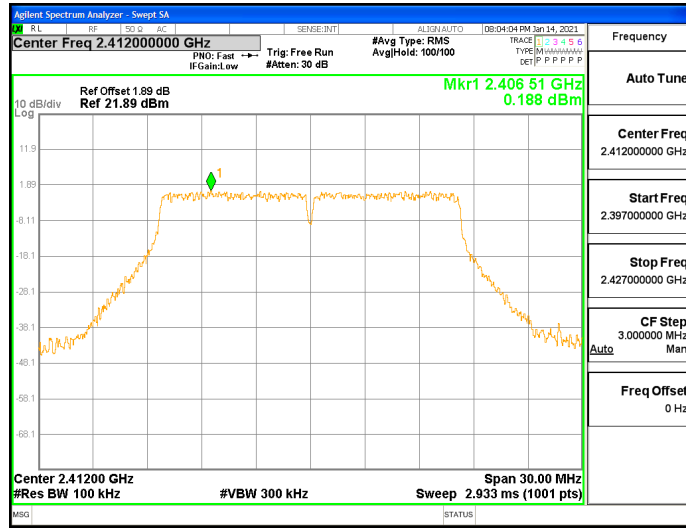
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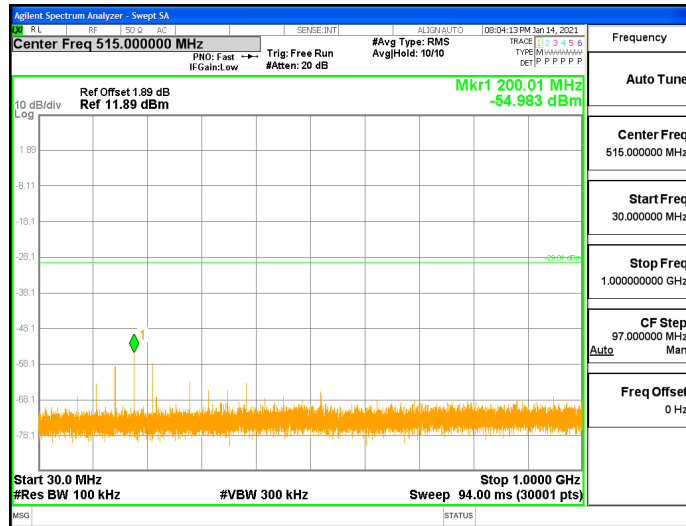
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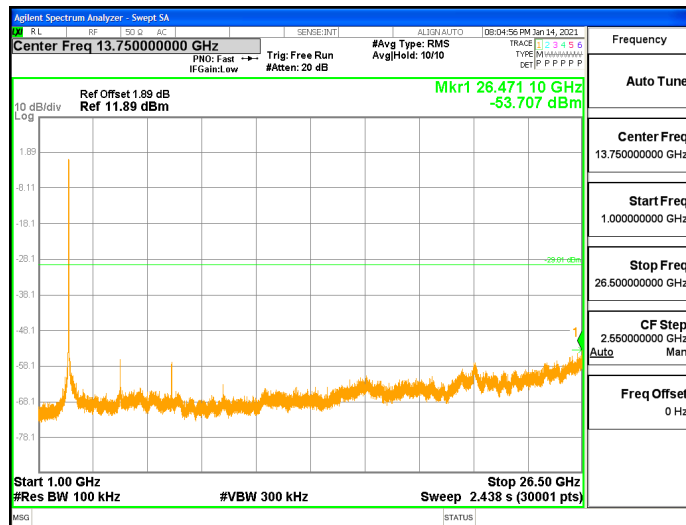
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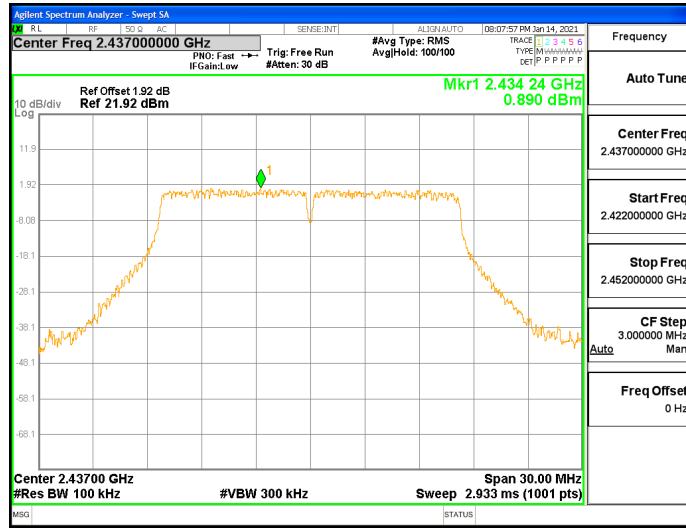
11G_Ant1_2412_30~1000



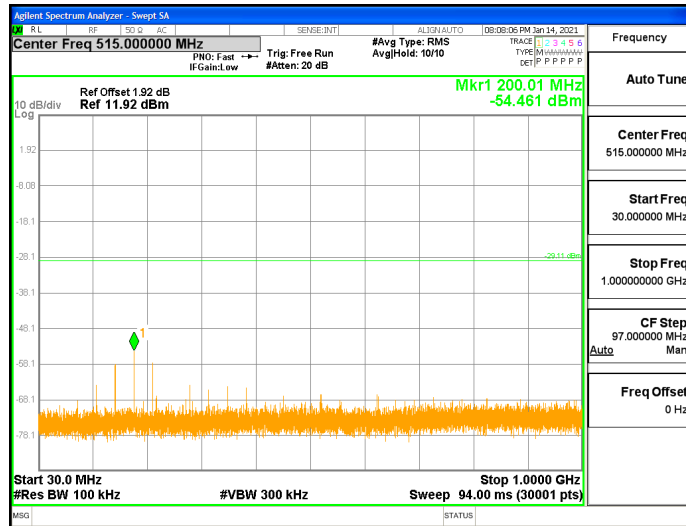
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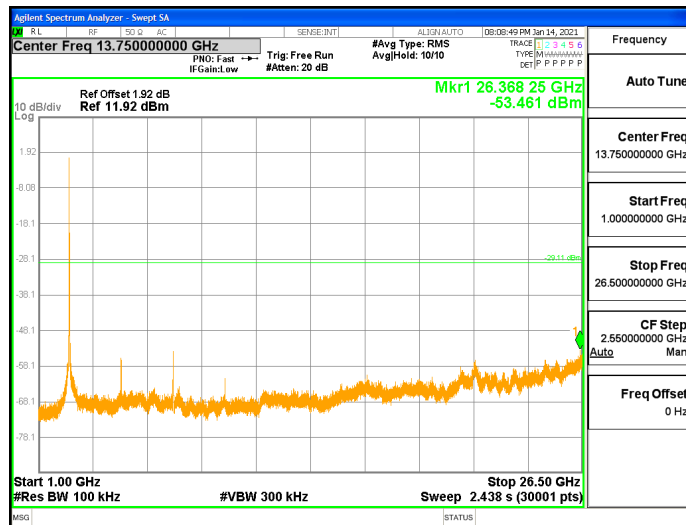
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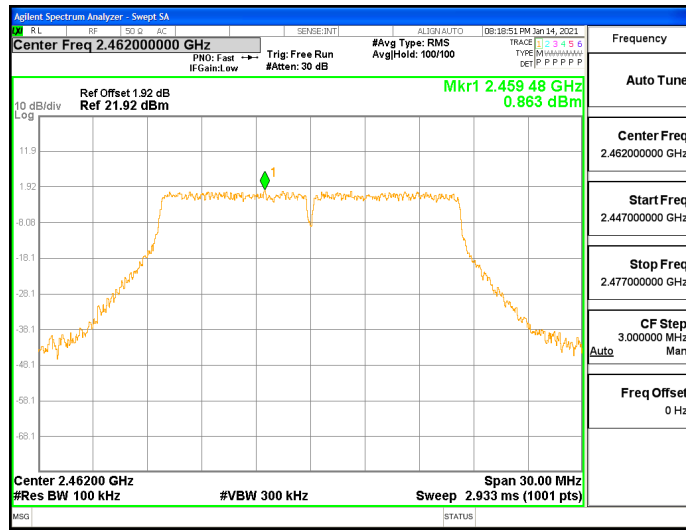
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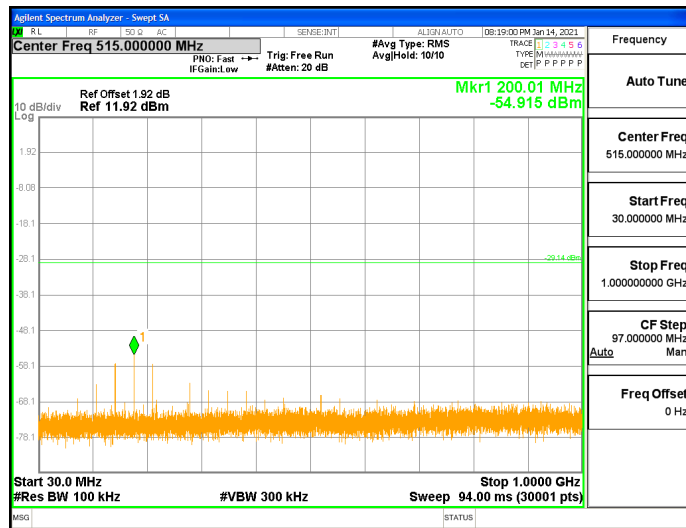
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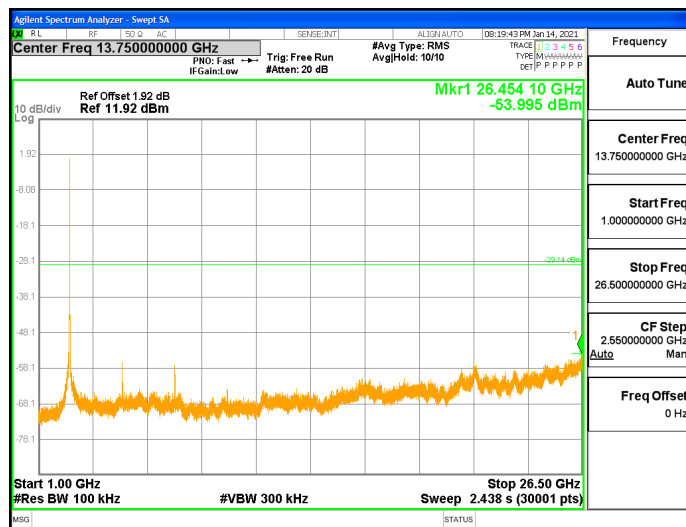
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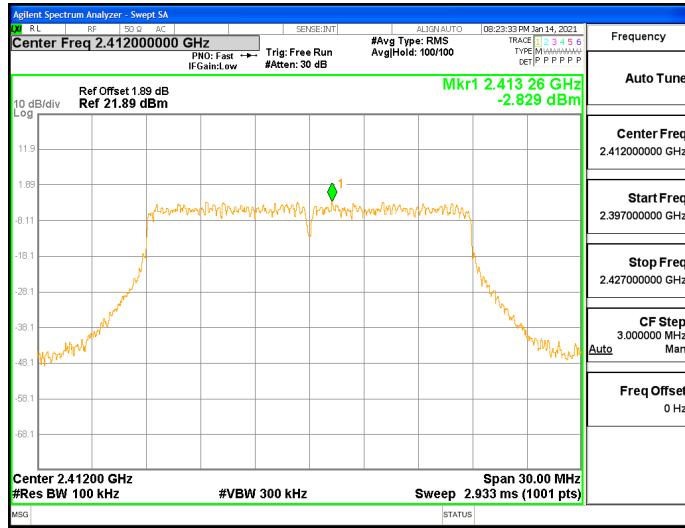
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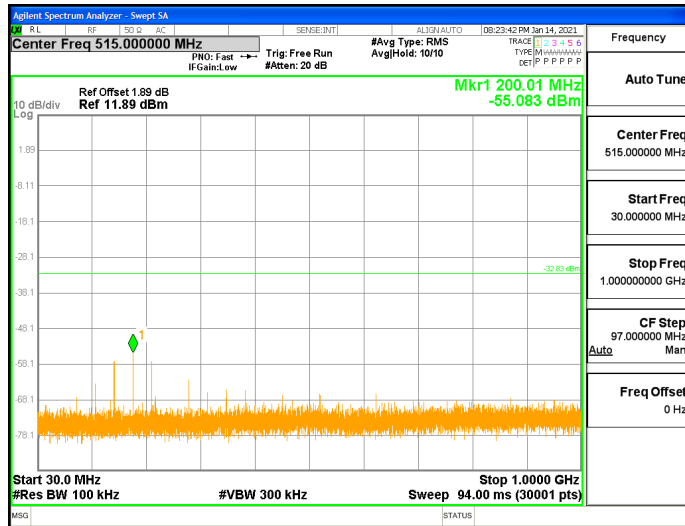
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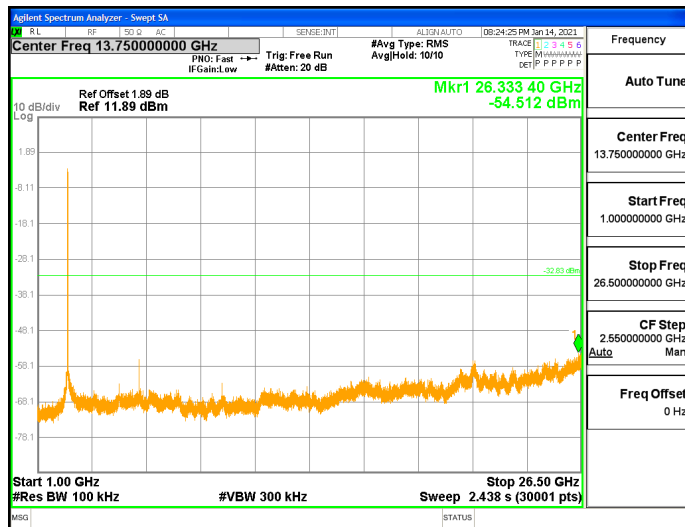
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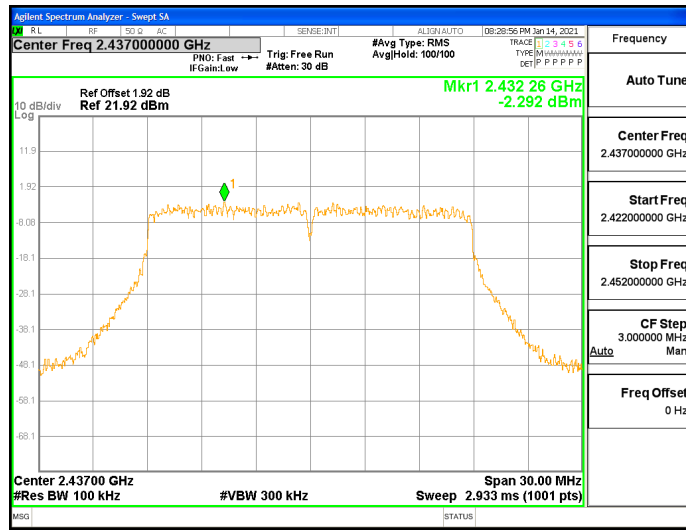
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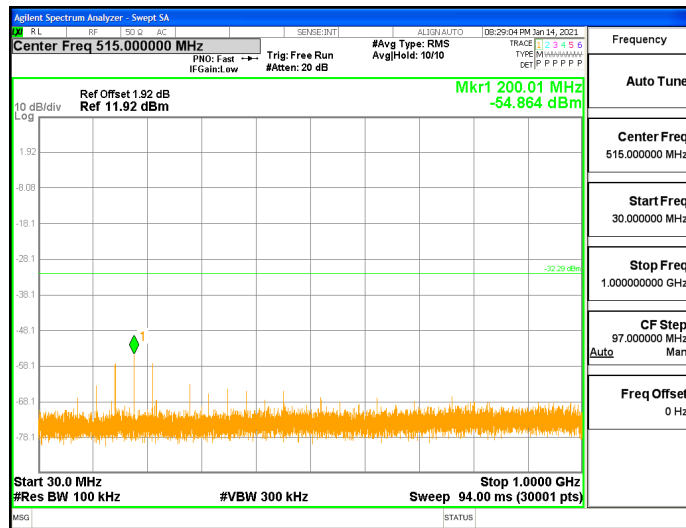
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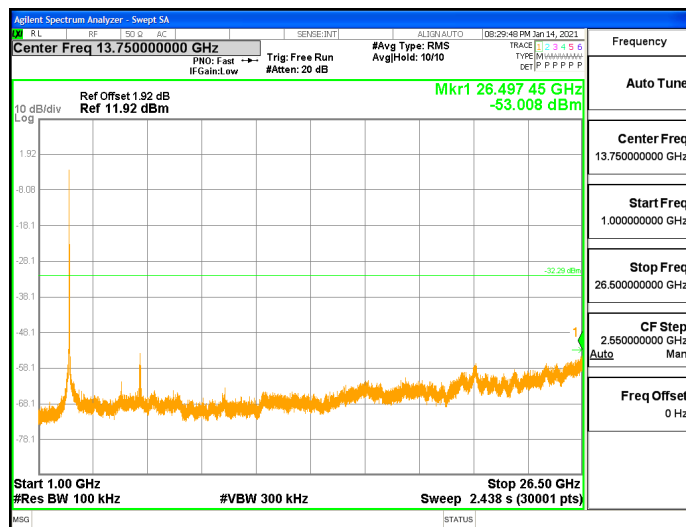
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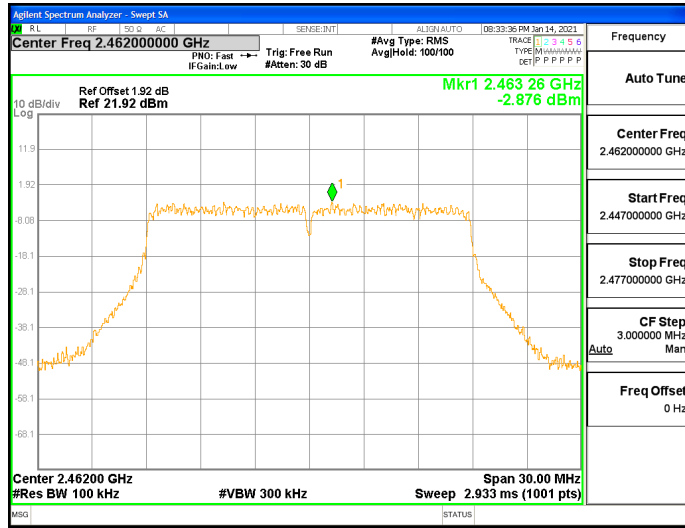
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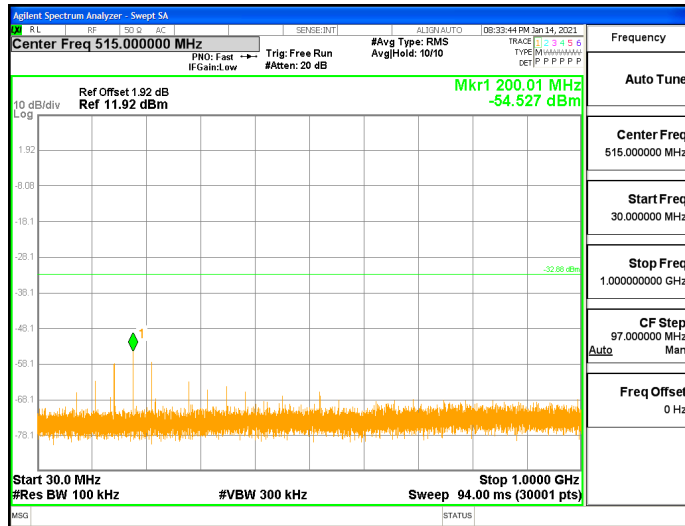
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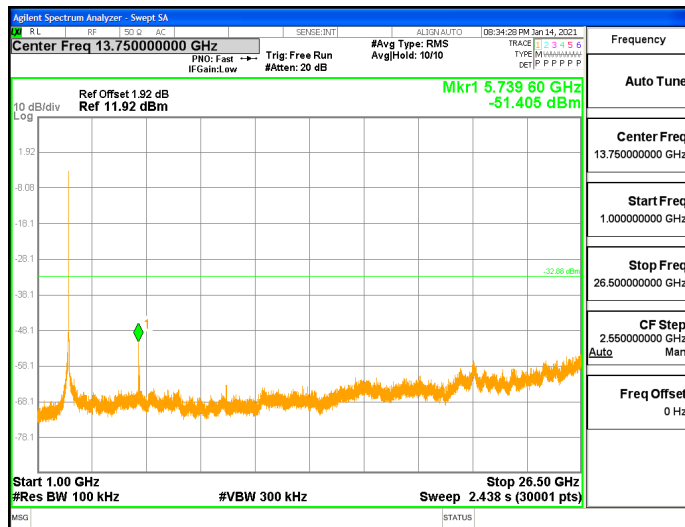
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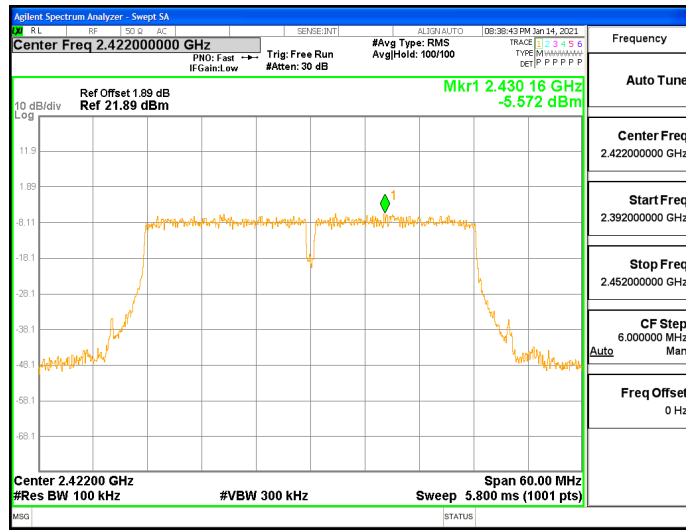
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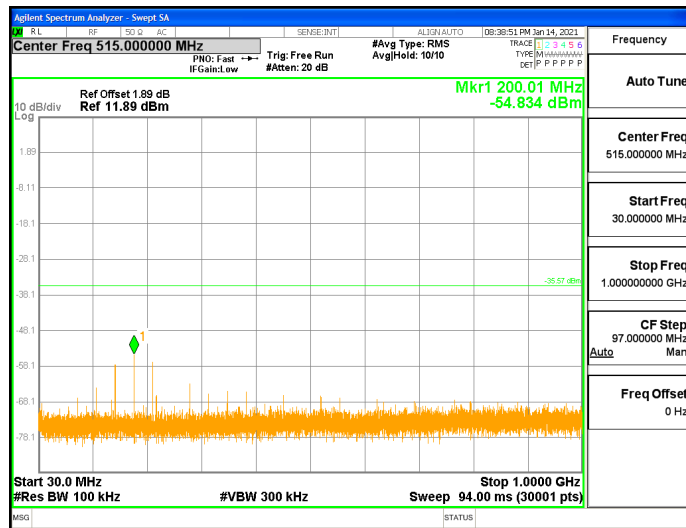
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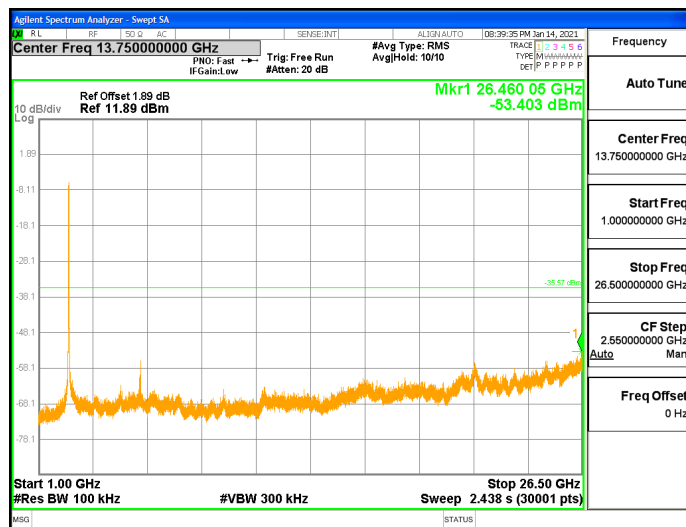
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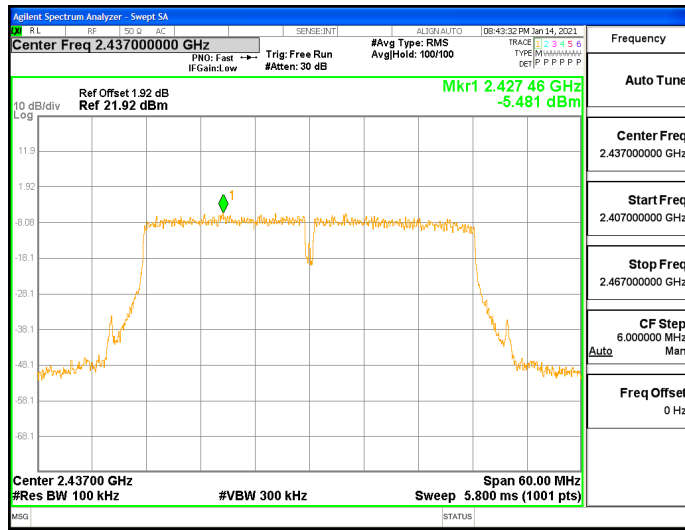
11N40SISO_Ant1_2422_30~1000



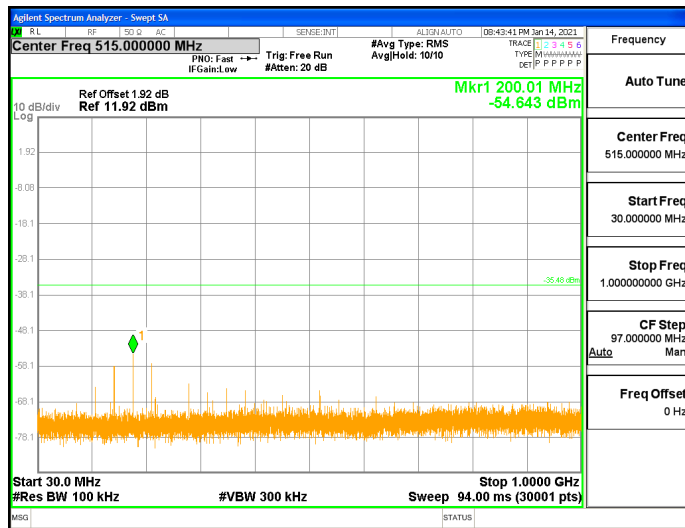
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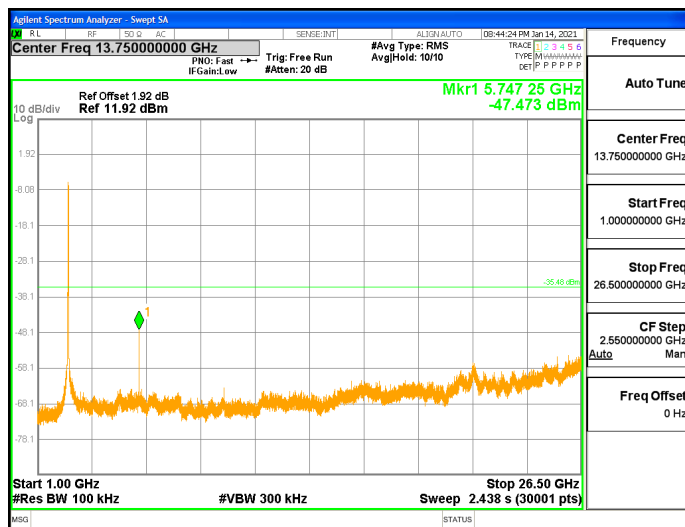
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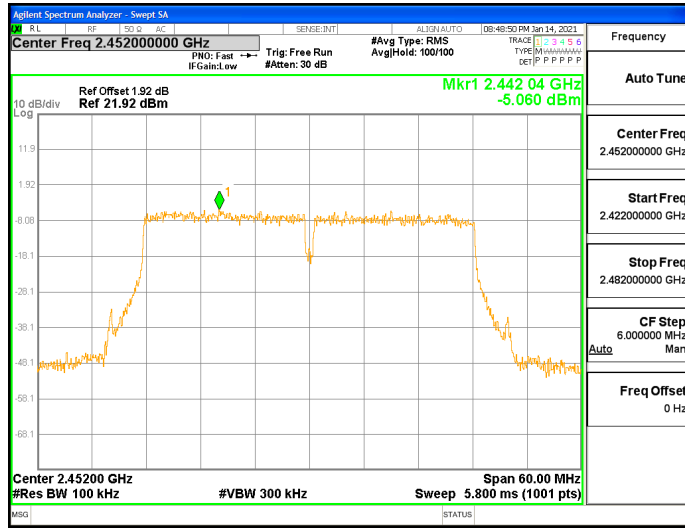
11N40SISO_Ant1_2437_30~1000



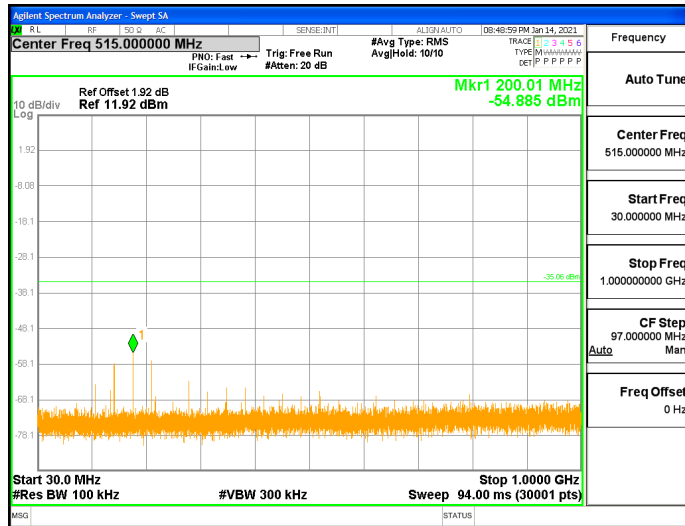
11N40SISO_Ant1_2437_1000~26500



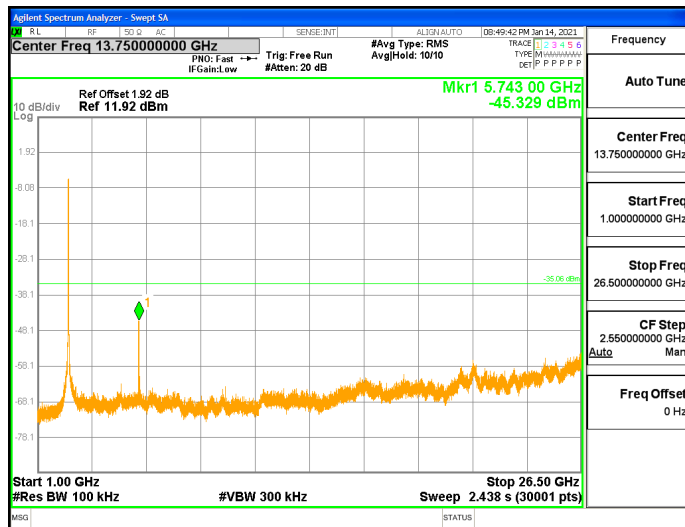
11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000

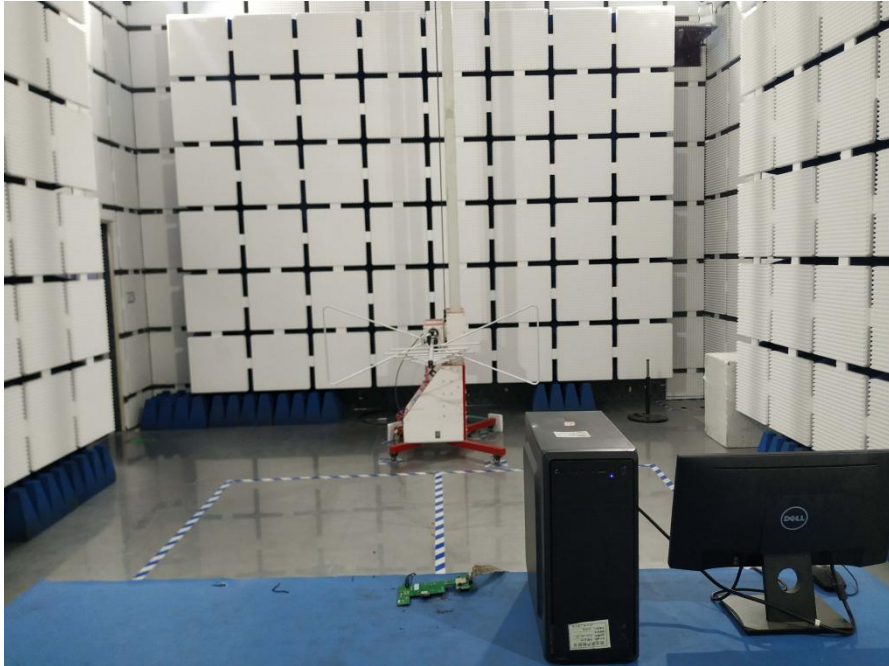


11N40SISO_Ant1_2452_1000~26500



APPENDIX A: PHOTOGRAPHS OF TEST SETUP

Radiated Spurious Emissions



Conducted Emissions at AC Power Line (150kHz-30MHz)



APPENDIX B: PHOTOGRAPHS OF EUT

