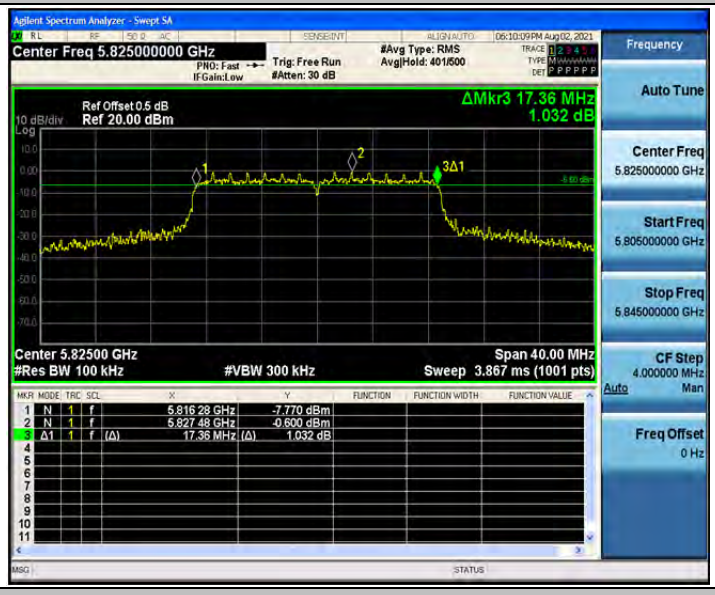
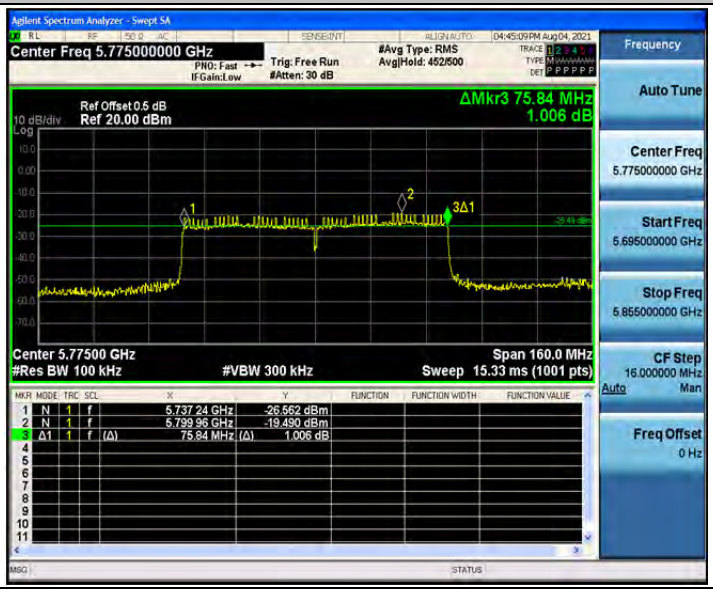

802.11ac(VHT20)_5825




802.11ac(VHT40)_5755


802.11ac(VHT40)_5795


802.11ac(VHT80)_5775



## Appendix B: Maximum conducted output power

**Test Result**

| Test Mode | Channel | Result[dBm] | Limit[dBm] | Verdict |
|---|---|---|---|---|
| 802.11a | 5180 | 15.95 | <=24 | PASS |
| | 5200 | 14.90 | <=24 | PASS |
| | 5240 | 14.29 | <=24 | PASS |
| | 5260 | 13.57 | <=24 | PASS |
| | 5280 | 13.17 | <=24 | PASS |
| | 5320 | 12.39 | <=24 | PASS |
| | 5500 | 8.86 | <=24 | PASS |
| | 5580 | 8.89 | <=24 | PASS |
| | 5700 | 8.01 | <=24 | PASS |
| | 5745 | 14.13 | <=30 | PASS |
| | 5785 | 14.07 | <=30 | PASS |
| | 5825 | 14.02 | <=30 | PASS |
| 802.11n(HT20) | 5180 | 15.00 | <=24 | PASS |
| | 5200 | 15.11 | <=24 | PASS |
| | 5240 | 14.12 | <=24 | PASS |
| | 5260 | 12.92 | <=24 | PASS |
| | 5280 | 12.66 | <=24 | PASS |
| | 5320 | 11.94 | <=24 | PASS |
| | 5500 | 12.28 | <=24 | PASS |
| | 5580 | 12.40 | <=24 | PASS |
| | 5700 | 10.38 | <=24 | PASS |
| | 5745 | 10.89 | <=30 | PASS |
| | 5785 | 10.86 | <=30 | PASS |
| | 5825 | 10.90 | <=30 | PASS |
| 802.11n(HT40) | 5190 | 15.29 | <=24 | PASS |
| | 5230 | 14.73 | <=24 | PASS |
| | 5270 | 14.91 | <=24 | PASS |
| | 5310 | 14.20 | <=24 | PASS |
| | 5510 | 11.85 | <=24 | PASS |
| | 5550 | 11.98 | <=24 | PASS |
| | 5670 | 11.06 | <=24 | PASS |
| | 5755 | 10.41 | <=30 | PASS |
| | 5795 | 10.75 | <=30 | PASS |
| 802.11ac(VHT20) | 5180 | 15.28 | <=24 | PASS |
| | 5200 | 15.08 | <=24 | PASS |
| | 5240 | 14.44 | <=24 | PASS |
| | 5260 | 15.05 | <=24 | PASS |
| | 5280 | 14.65 | <=24 | PASS |
| | 5320 | 13.79 | <=24 | PASS |
| | 5500 | 12.18 | <=24 | PASS |
| | 5580 | 12.03 | <=24 | PASS |
| | 5700 | 10.13 | <=24 | PASS |

| | | | | |
|---|---|---|---|---|
| | 5745 | 10.77 | <=30 | PASS |
| | 5785 | 10.91 | <=30 | PASS |
| | 5825 | 11.00 | <=30 | PASS |
| 802.11ac(VHT40) | 5190 | 15.05 | <=24 | PASS |
| | 5230 | 14.60 | <=24 | PASS |
| | 5270 | 14.44 | <=24 | PASS |
| | 5310 | 13.96 | <=24 | PASS |
| | 5510 | 11.99 | <=24 | PASS |
| | 5550 | 11.32 | <=24 | PASS |
| | 5670 | 9.86 | <=24 | PASS |
| | 5755 | 10.30 | <=30 | PASS |
| | 5795 | 10.57 | <=30 | PASS |
| 802.11ac(VHT80) | 5210 | 14.86 | <=24 | PASS |
| | 5290 | 14.16 | <=24 | PASS |
| | 5530 | 10.02 | <=24 | PASS |
| | 5610 | 10.40 | <=24 | PASS |
| | 5775 | 10.37 | <=30 | PASS |

*Note：Test results increased RF cable loss by 0.5dB.*

# Appendix C: Maximum power spectral density

**Test Result**

| Test Mode | Channel | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|---|---|---|---|---|
| 802.11a | 5180 | 4.88 | <=11 | PASS |
| | 5200 | 4.19 | <=11 | PASS |
| | 5240 | 3.13 | <=11 | PASS |
| | 5260 | 2.82 | <=11 | PASS |
| | 5280 | 2.54 | <=11 | PASS |
| | 5320 | 1.74 | <=11 | PASS |
| | 5500 | -1.81 | <=11 | PASS |
| | 5580 | -1.24 | <=11 | PASS |
| | 5700 | -2.85 | <=11 | PASS |
| | 5745 | 0.94 | <=30 | PASS |
| | 5785 | 1.4 | <=30 | PASS |
| | 5825 | 1.02 | <=30 | PASS |
| 802.11n(HT20) | 5180 | 4.08 | <=11 | PASS |
| | 5200 | 4.3 | <=11 | PASS |
| | 5240 | 3.41 | <=11 | PASS |
| | 5260 | 2.7 | <=11 | PASS |
| | 5280 | 1.82 | <=11 | PASS |
| | 5320 | 1 | <=11 | PASS |
| | 5500 | 1.33 | <=11 | PASS |
| | 5580 | 1.47 | <=11 | PASS |
| | 5700 | -0.46 | <=11 | PASS |
| | 5745 | -2.29 | <=30 | PASS |
| | 5785 | -2.17 | <=30 | PASS |
| | 5825 | -1.97 | <=30 | PASS |
| 802.11n(HT40) | 5190 | -13.79 | <=11 | PASS |
| | 5230 | -13.88 | <=11 | PASS |
| | 5270 | 1.47 | <=11 | PASS |
| | 5310 | 0.44 | <=11 | PASS |
| | 5510 | -11.72 | <=11 | PASS |
| | 5550 | -1.73 | <=11 | PASS |
| | 5670 | -19.22 | <=11 | PASS |
| | 5755 | -5.14 | <=30 | PASS |
| | 5795 | -4.6 | <=30 | PASS |
| 802.11ac(VHT20) | 5180 | 4.07 | <=11 | PASS |
| | 5200 | 4 | <=11 | PASS |
| | 5240 | 3.4 | <=11 | PASS |
| | 5260 | 4.12 | <=11 | PASS |
| | 5280 | 3.61 | <=11 | PASS |
| | 5320 | 2.71 | <=11 | PASS |
| | 5500 | 1.45 | <=11 | PASS |
| | 5580 | 1.24 | <=11 | PASS |

| | | | | |
|---|---|---|---|---|
| | 5700 | -0.76 | <=11 | PASS |
| | 5745 | -2.39 | <=30 | PASS |
| | 5785 | -2.12 | <=30 | PASS |
| | 5825 | -1.85 | <=30 | PASS |
| 802.11ac(VHT40) | 5190 | 1.31 | <=11 | PASS |
| | 5230 | 1.35 | <=11 | PASS |
| | 5270 | 1.05 | <=11 | PASS |
| | 5310 | 0.14 | <=11 | PASS |
| | 5510 | -1.66 | <=11 | PASS |
| | 5550 | -2.27 | <=11 | PASS |
| | 5670 | -3.66 | <=11 | PASS |
| | 5755 | -4.94 | <=30 | PASS |
| | 5795 | -4.99 | <=30 | PASS |
| 802.11ac(VHT80) | 5210 | -16.86 | <=11 | PASS |
| | 5290 | -2.36 | <=11 | PASS |
| | 5530 | -14.44 | <=11 | PASS |
| | 5610 | -18.43 | <=11 | PASS |
| | 5775 | -20.81 | <=30 | PASS |

*Note：1. The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.*

*2. The Duty Cycle Factor and RBW Factor is compensated in the graph.*

*3. 5.725–5.85 GHz correction factor = 10lg ($BW_{Reference}/BW_{Measured}$) = 2.22,*

## Test Graphs

| 802.11a_5180 |
| --- |
|  |
| 802.11a_5200 |
|  |
| 802.11a_5240 |
|  |
| 802.11a_5260 |


802.11a_5280


802.11a_5320


802.11a_5500


802.11a_5580


802.11a_5700


802.11a_5745


802.11a_5785


802.11a_5825


802.11n(HT20)_5180


802.11n(HT20)_5200


802.11n(HT20)_5240


802.11n(HT20)_5260


802.11n(HT20)_5280


802.11n(HT20)_5320


802.11n(HT20)_5500

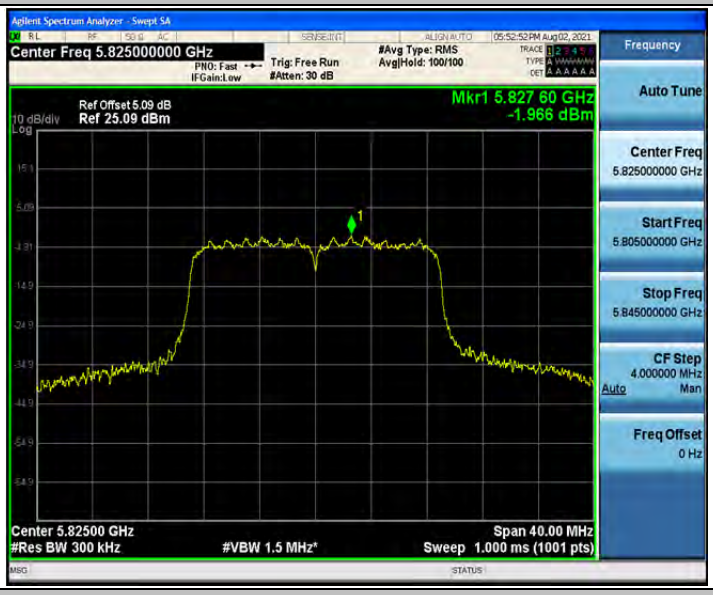

802.11n(HT20)_5580


802.11n(HT20)_5700


802.11n(HT20)_5745


802.11n(HT20)_5785


802.11n(HT20)_5825




802.11n(HT40)_5190


802.11n(HT40)_5230

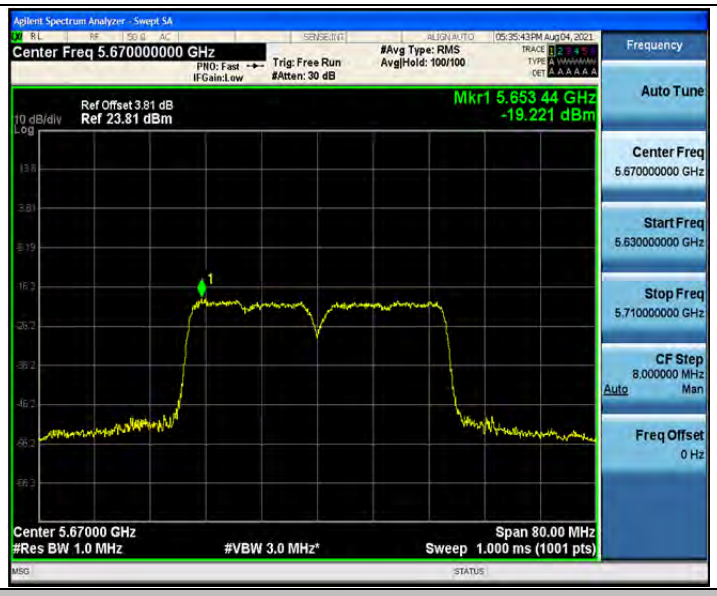

802.11n(HT40)_5270


802.11n(HT40)_5310


802.11n(HT40)_5510


802.11n(HT40)_5550


802.11n(HT40)_5670



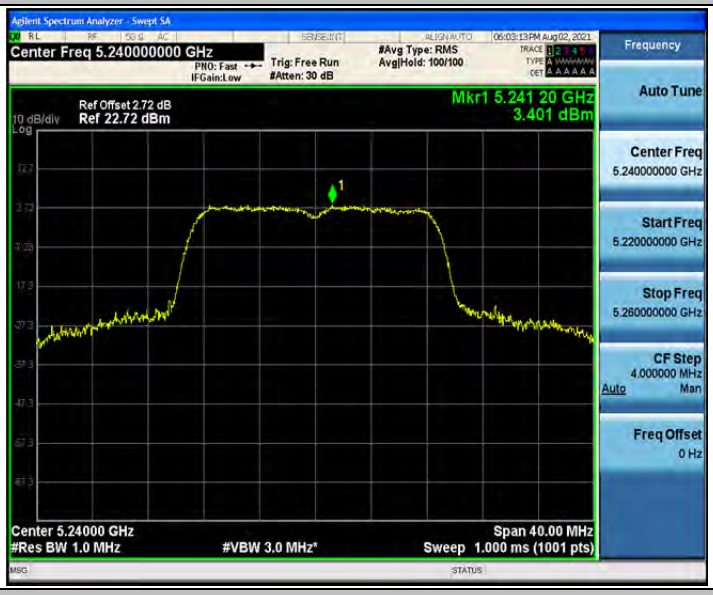

802.11n(HT40)_5755


802.11n(HT40)_5795


802.11ac(VHT20)_5180


802.11ac(VHT20)_5200


802.11ac(VHT20)_5240




802.11ac(VHT20)_5260


802.11ac(VHT20)_5280


802.11ac(VHT20)_5320


802.11ac(VHT20)_5500


802.11ac(VHT20)_5580


802.11ac(VHT20)_5700


802.11ac(VHT20)_5745


802.11ac(VHT20)_5785


802.11ac(VHT20)_5825


802.11ac(VHT40)_5190


802.11ac(VHT40)_5230


802.11ac(VHT40)_5270


802.11ac(VHT40)_5310


802.11ac(VHT40)_5510


802.11ac(VHT40)_5550


802.11ac(VHT40)_5670


802.11ac(VHT40)_5755


802.11ac(VHT40)_5795


802.11ac(VHT80)_5210


802.11ac(VHT80)_5290


802.11ac(VHT80)_5530


802.11ac(VHT80)_5610


802.11ac(VHT80)_5775

# Appendix D: Frequency Stability

**Test Result**

| Voltage | | | | | | | |
|---|---|---|---|---|---|---|---|
| Test Mode | Channel | Voltage [Vdc] | Temperature (℃) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 20MHz | 5180 | NV | NT | -24000 | -4.633205 | 20 | PASS |
| | | LV | NT | -24000 | -4.633205 | 20 | PASS |
| | | HV | NT | -24000 | -4.633205 | 20 | PASS |
| | 5200 | NV | NT | -25000 | -4.807692 | 20 | PASS |
| | | LV | NT | -25000 | -4.807692 | 20 | PASS |
| | | HV | NT | -25000 | -4.807692 | 20 | PASS |
| | 5240 | NV | NT | -26000 | -4.961832 | 20 | PASS |
| | | LV | NT | -26000 | -4.961832 | 20 | PASS |
| | | HV | NT | -26000 | -4.961832 | 20 | PASS |
| | 5260 | NV | NT | -21000 | -3.992395 | 20 | PASS |
| | | LV | NT | -21000 | -3.992395 | 20 | PASS |
| | | HV | NT | -22000 | -4.18251 | 20 | PASS |
| | 5280 | NV | NT | -24000 | -4.545455 | 20 | PASS |
| | | LV | NT | -24000 | -4.545455 | 20 | PASS |
| | | HV | NT | -24000 | -4.545455 | 20 | PASS |
| | 5320 | NV | NT | -25000 | -4.699248 | 20 | PASS |
| | | LV | NT | -25000 | -4.699248 | 20 | PASS |
| | | HV | NT | -25000 | -4.699248 | 20 | PASS |
| | 5500 | NV | NT | -26000 | -4.727273 | 20 | PASS |
| | | LV | NT | -26000 | -4.727273 | 20 | PASS |
| | | HV | NT | -26000 | -4.727273 | 20 | PASS |
| | 5580 | NV | NT | -27000 | -4.83871 | 20 | PASS |
| | | LV | NT | -27000 | -4.83871 | 20 | PASS |
| | | HV | NT | -27000 | -4.83871 | 20 | PASS |
| | 5700 | NV | NT | -27000 | -4.736842 | 20 | PASS |
| | | LV | NT | -27000 | -4.736842 | 20 | PASS |
| | | HV | NT | -27000 | -4.736842 | 20 | PASS |
| | 5745 | NV | NT | -27000 | -4.699739 | 20 | PASS |
| | | LV | NT | -27000 | -4.699739 | 20 | PASS |
| | | HV | NT | -27000 | -4.699739 | 20 | PASS |
| | 5785 | NV | NT | -27000 | -4.667243 | 20 | PASS |
| | | LV | NT | -28000 | -4.840104 | 20 | PASS |
| | | HV | NT | -27000 | -4.667243 | 20 | PASS |
| | 5825 | NV | NT | -28000 | -4.806867 | 20 | PASS |
| | | LV | NT | -28000 | -4.806867 | 20 | PASS |
| | | HV | NT | -28000 | -4.806867 | 20 | PASS |
| 40MHz | 5190 | NV | NT | -25000 | -4.816956 | 20 | PASS |
| | | LV | NT | -25000 | -4.816956 | 20 | PASS |
| | | HV | NT | -25000 | -4.816956 | 20 | PASS |
| | 5230 | NV | NT | -25000 | -4.780115 | 20 | PASS |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | LV | NT | -26000 | -4.971319 | 20 | PASS |
| | | HV | NT | -26000 | -4.971319 | 20 | PASS |
| | 5270 | NV | NT | -24000 | -4.55408 | 20 | PASS |
| | | LV | NT | -25000 | -4.743833 | 20 | PASS |
| | | HV | NT | -24000 | -4.55408 | 20 | PASS |
| | 5310 | NV | NT | -25000 | -4.708098 | 20 | PASS |
| | | LV | NT | -25000 | -4.708098 | 20 | PASS |
| | | HV | NT | -25000 | -4.708098 | 20 | PASS |
| | 5510 | NV | NT | -26000 | -4.718693 | 20 | PASS |
| | | LV | NT | -26000 | -4.718693 | 20 | PASS |
| | | HV | NT | -27000 | -4.900181 | 20 | PASS |
| | 5550 | NV | NT | -29000 | -5.225225 | 20 | PASS |
| | | LV | NT | -29000 | -5.225225 | 20 | PASS |
| | | HV | NT | -29000 | -5.225225 | 20 | PASS |
| | 5670 | NV | NT | -30000 | -5.291005 | 20 | PASS |
| | | LV | NT | -30000 | -5.291005 | 20 | PASS |
| | | HV | NT | -30000 | -5.291005 | 20 | PASS |
| | 5755 | NV | NT | -28000 | -4.865334 | 20 | PASS |
| | | LV | NT | -28000 | -4.865334 | 20 | PASS |
| | | HV | NT | -28000 | -4.865334 | 20 | PASS |
| | 5795 | NV | NT | -28000 | -4.831752 | 20 | PASS |
| | | LV | NT | -28000 | -4.831752 | 20 | PASS |
| | | HV | NT | -28000 | -4.831752 | 20 | PASS |
| 80MHz | 5210 | NV | NT | -25000 | -4.798464 | 20 | PASS |
| | | LV | NT | -25000 | -4.798464 | 20 | PASS |
| | | HV | NT | -25000 | -4.798464 | 20 | PASS |
| | 5290 | NV | NT | -28000 | -5.293006 | 20 | PASS |
| | | LV | NT | -28000 | -5.293006 | 20 | PASS |
| | | HV | NT | -28000 | -5.293006 | 20 | PASS |
| | 5775 | NV | NT | -28000 | -4.848485 | 20 | PASS |
| | | LV | NT | -29000 | -5.021645 | 20 | PASS |
| | | HV | NT | -28000 | -4.848485 | 20 | PASS |

| Temperature | | | | | | | |
|---|---|---|---|---|---|---|---|
| TestMode | Channel | Voltage [Vdc] | Temperature(℃) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 20MHz | 5180 | NV | 0 | -25000 | -4.826255 | 20 | PASS |
| | | NV | 10 | -25000 | -4.826255 | 20 | PASS |
| | | NV | 20 | -24000 | -4.633205 | 20 | PASS |
| | | NV | 30 | -25000 | -4.826255 | 20 | PASS |
| | | NV | 40 | -25000 | -4.826255 | 20 | PASS |
| | | NV | 50 | -25000 | -4.826255 | 20 | PASS |
| | 5200 | NV | 0 | -25000 | -4.807692 | 20 | PASS |
| | | NV | 10 | -25000 | -4.807692 | 20 | PASS |
| | | NV | 20 | -25000 | -4.807692 | 20 | PASS |
| | | NV | 30 | -26000 | -5.000000 | 20 | PASS |
| | | NV | 40 | -26000 | -5.000000 | 20 | PASS |
| | | NV | 50 | -25000 | -4.807692 | 20 | PASS |
| | 5240 | NV | 0 | -26000 | -4.961832 | 20 | PASS |
| | | NV | 10 | -26000 | -4.961832 | 20 | PASS |
| | | NV | 20 | -26000 | -4.961832 | 20 | PASS |
| | | NV | 30 | -26000 | -4.961832 | 20 | PASS |
| | | NV | 40 | -26000 | -4.961832 | 20 | PASS |
| | | NV | 50 | -26000 | -4.961832 | 20 | PASS |
| | 5260 | NV | 0 | -23000 | -4.372624 | 20 | PASS |
| | | NV | 10 | -23000 | -4.372624 | 20 | PASS |
| | | NV | 20 | -23000 | -4.372624 | 20 | PASS |
| | | NV | 30 | -23000 | -4.372624 | 20 | PASS |
| | | NV | 40 | -23000 | -4.372624 | 20 | PASS |
| | | NV | 50 | -24000 | -4.562738 | 20 | PASS |
| | 5280 | NV | 0 | -24000 | -4.545455 | 20 | PASS |
| | | NV | 10 | -25000 | -4.734848 | 20 | PASS |
| | | NV | 20 | -25000 | -4.734848 | 20 | PASS |
| | | NV | 30 | -25000 | -4.734848 | 20 | PASS |
| | | NV | 40 | -25000 | -4.734848 | 20 | PASS |
| | | NV | 50 | -25000 | -4.734848 | 20 | PASS |
| | 5320 | NV | 0 | -25000 | -4.699248 | 20 | PASS |
| | | NV | 10 | -25000 | -4.699248 | 20 | PASS |
| | | NV | 20 | -25000 | -4.699248 | 20 | PASS |
| | | NV | 30 | -25000 | -4.699248 | 20 | PASS |
| | | NV | 40 | -25000 | -4.699248 | 20 | PASS |
| | | NV | 50 | -25000 | -4.699248 | 20 | PASS |
| | 5500 | NV | 0 | -26000 | -4.727273 | 20 | PASS |
| | | NV | 10 | -26000 | -4.727273 | 20 | PASS |
| | | NV | 20 | -26000 | -4.727273 | 20 | PASS |
| | | NV | 30 | -26000 | -4.727273 | 20 | PASS |
| | | NV | 40 | -26000 | -4.727273 | 20 | PASS |
| | | NV | 50 | -26000 | -4.727273 | 20 | PASS |
| | 5580 | NV | 0 | -27000 | -4.83871 | 20 | PASS |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | NV | 10 | -27000 | -4.83871 | 20 | PASS |
| | | NV | 20 | -27000 | -4.83871 | 20 | PASS |
| | | NV | 30 | -27000 | -4.83871 | 20 | PASS |
| | | NV | 40 | -27000 | -4.83871 | 20 | PASS |
| | | NV | 50 | -27000 | -4.83871 | 20 | PASS |
| | 5700 | NV | 0 | -27000 | -4.736842 | 20 | PASS |
| | | NV | 10 | -27000 | -4.736842 | 20 | PASS |
| | | NV | 20 | -27000 | -4.736842 | 20 | PASS |
| | | NV | 30 | -27000 | -4.736842 | 20 | PASS |
| | | NV | 40 | -27000 | -4.736842 | 20 | PASS |
| | | NV | 50 | -27000 | -4.736842 | 20 | PASS |
| | 5745 | NV | 0 | -28000 | -4.873803 | 20 | PASS |
| | | NV | 10 | -27000 | -4.699739 | 20 | PASS |
| | | NV | 20 | -27000 | -4.699739 | 20 | PASS |
| | | NV | 30 | -27000 | -4.699739 | 20 | PASS |
| | | NV | 40 | -27000 | -4.699739 | 20 | PASS |
| | | NV | 50 | -27000 | -4.699739 | 20 | PASS |
| | 5785 | NV | 0 | -28000 | -4.840104 | 20 | PASS |
| | | NV | 10 | -27000 | -4.667243 | 20 | PASS |
| | | NV | 20 | -28000 | -4.840104 | 20 | PASS |
| | | NV | 30 | -28000 | -4.840104 | 20 | PASS |
| | | NV | 40 | -27000 | -4.667243 | 20 | PASS |
| | | NV | 50 | -28000 | -4.840104 | 20 | PASS |
| | 5825 | NV | 0 | -28000 | -4.806867 | 20 | PASS |
| | | NV | 10 | -28000 | -4.806867 | 20 | PASS |
| | | NV | 20 | -28000 | -4.806867 | 20 | PASS |
| | | NV | 30 | -28000 | -4.806867 | 20 | PASS |
| | | NV | 40 | -28000 | -4.806867 | 20 | PASS |
| | | NV | 50 | -28000 | -4.806867 | 20 | PASS |
| 40MHz | 5190 | NV | 0 | -25000 | -4.816956 | 20 | PASS |
| | | NV | 10 | -25000 | -4.816956 | 20 | PASS |
| | | NV | 20 | -26000 | -5.009634 | 20 | PASS |
| | | NV | 30 | -26000 | -5.009634 | 20 | PASS |
| | | NV | 40 | -26000 | -5.009634 | 20 | PASS |
| | | NV | 50 | -26000 | -5.009634 | 20 | PASS |
| | 5230 | NV | 0 | -26000 | -4.971319 | 20 | PASS |
| | | NV | 10 | -26000 | -4.971319 | 20 | PASS |
| | | NV | 20 | -26000 | -4.971319 | 20 | PASS |
| | | NV | 30 | -26000 | -4.971319 | 20 | PASS |
| | | NV | 40 | -26000 | -4.971319 | 20 | PASS |
| | | NV | 50 | -26000 | -4.971319 | 20 | PASS |
| | 5270 | NV | 0 | -25000 | -4.743833 | 20 | PASS |
| | | NV | 10 | -25000 | -4.743833 | 20 | PASS |
| | | NV | 20 | -25000 | -4.743833 | 20 | PASS |
| | | NV | 30 | -25000 | -4.743833 | 20 | PASS |
| | | NV | 40 | -25000 | -4.743833 | 20 | PASS |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | NV | 50 | -25000 | -4.743833 | 20 | PASS |
| | 5310 | NV | 0 | -25000 | -4.708098 | 20 | PASS |
| | | NV | 10 | -25000 | -4.708098 | 20 | PASS |
| | | NV | 20 | -26000 | -4.896422 | 20 | PASS |
| | | NV | 30 | -26000 | -4.896422 | 20 | PASS |
| | | NV | 40 | -25000 | -4.708098 | 20 | PASS |
| | | NV | 50 | -26000 | -4.896422 | 20 | PASS |
| | 5510 | NV | 0 | -28000 | -5.08167 | 20 | PASS |
| | | NV | 10 | -28000 | -5.08167 | 20 | PASS |
| | | NV | 20 | -28000 | -5.08167 | 20 | PASS |
| | | NV | 30 | -28000 | -5.08167 | 20 | PASS |
| | | NV | 40 | -29000 | -5.263158 | 20 | PASS |
| | | NV | 50 | -29000 | -5.263158 | 20 | PASS |
| | 5550 | NV | 0 | -29000 | -5.225225 | 20 | PASS |
| | | NV | 10 | -29000 | -5.225225 | 20 | PASS |
| | | NV | 20 | -30000 | -5.405405 | 20 | PASS |
| | | NV | 30 | -29000 | -5.225225 | 20 | PASS |
| | | NV | 40 | -30000 | -5.405405 | 20 | PASS |
| | | NV | 50 | -29000 | -5.225225 | 20 | PASS |
| | 5670 | NV | 0 | -30000 | -5.291005 | 20 | PASS |
| | | NV | 10 | -30000 | -5.291005 | 20 | PASS |
| | | NV | 20 | -30000 | -5.291005 | 20 | PASS |
| | | NV | 30 | -30000 | -5.291005 | 20 | PASS |
| | | NV | 40 | -30000 | -5.291005 | 20 | PASS |
| | | NV | 50 | -30000 | -5.291005 | 20 | PASS |
| | 5755 | NV | 0 | -28000 | -4.865334 | 20 | PASS |
| | | NV | 10 | -28000 | -4.865334 | 20 | PASS |
| | | NV | 20 | -28000 | -4.865334 | 20 | PASS |
| | | NV | 30 | -28000 | -4.865334 | 20 | PASS |
| | | NV | 40 | -28000 | -4.865334 | 20 | PASS |
| | | NV | 50 | -28000 | -4.865334 | 20 | PASS |
| | 5795 | NV | 0 | -28000 | -4.831752 | 20 | PASS |
| | | NV | 10 | -28000 | -4.831752 | 20 | PASS |
| | | NV | 20 | -28000 | -4.831752 | 20 | PASS |
| | | NV | 30 | -28000 | -4.831752 | 20 | PASS |
| | | NV | 40 | -28000 | -4.831752 | 20 | PASS |
| | | NV | 50 | -28000 | -4.831752 | 20 | PASS |
| 80MHz | 5210 | NV | 0 | -25000 | -4.798464 | 20 | PASS |
| | | NV | 10 | -26000 | -4.990403 | 20 | PASS |
| | | NV | 20 | -26000 | -4.990403 | 20 | PASS |
| | | NV | 30 | -26000 | -4.990403 | 20 | PASS |
| | | NV | 40 | -26000 | -4.990403 | 20 | PASS |
| | | NV | 50 | -26000 | -4.990403 | 20 | PASS |
| | 5290 | NV | 0 | -28000 | -5.293006 | 20 | PASS |
| | | NV | 10 | -28000 | -5.293006 | 20 | PASS |
| | | NV | 20 | -28000 | -5.293006 | 20 | PASS |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | NV | 30 | -29000 | -5.482042 | 20 | PASS |
| | | NV | 40 | -29000 | -5.482042 | 20 | PASS |
| | | NV | 50 | -29000 | -5.482042 | 20 | PASS |
| | 5530 | NV | 0 | -29000 | -5.244123 | 20 | PASS |
| | | NV | 10 | -30000 | -5.424955 | 20 | PASS |
| | | NV | 20 | -30000 | -5.424955 | 20 | PASS |
| | | NV | 30 | -30000 | -5.424955 | 20 | PASS |
| | | NV | 40 | -30000 | -5.424955 | 20 | PASS |
| | | NV | 50 | -30000 | -5.424955 | 20 | PASS |
| | 5610 | NV | 0 | -30000 | -5.347594 | 20 | PASS |
| | | NV | 10 | -30000 | -5.347594 | 20 | PASS |
| | | NV | 20 | -30000 | -5.347594 | 20 | PASS |
| | | NV | 30 | -30000 | -5.347594 | 20 | PASS |
| | | NV | 40 | -30000 | -5.347594 | 20 | PASS |
| | | NV | 50 | -30000 | -5.347594 | 20 | PASS |
| | 5775 | NV | 0 | -28000 | -4.848485 | 20 | PASS |
| | | NV | 10 | -28000 | -4.848485 | 20 | PASS |
| | | NV | 20 | -28000 | -4.848485 | 20 | PASS |
| | | NV | 30 | -28000 | -4.848485 | 20 | PASS |
| | | NV | 40 | -28000 | -4.848485 | 20 | PASS |
| | | NV | 50 | -28000 | -4.848485 | 20 | PASS |

# Appendix E: Duty Cycle

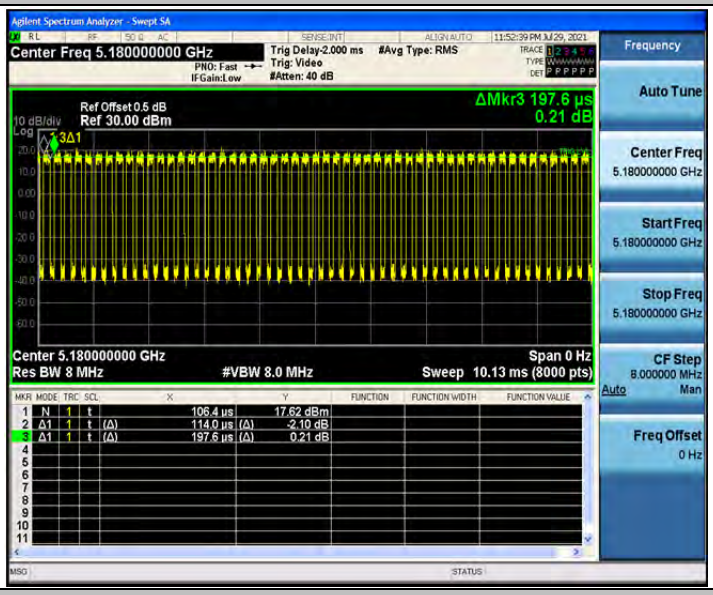
**Test Result**

| Test Mode | Channel | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | 1/T Minimum VBW (kHz) | Final setting For VBW (kHz) |
|---|---|---|---|---|---|---|
| 802.11a | 5180 | 0.11 | 0.20 | 55.00 | 5.00 | 6.2 |
| | 5200 | 0.11 | 0.19 | 57.89 | 5.26 | 6.2 |
| | 5240 | 0.11 | 0.19 | 57.89 | 5.26 | 6.2 |
| | 5260 | 0.11 | 0.19 | 57.89 | 5.26 | 6.2 |
| | 5280 | 0.11 | 0.19 | 57.89 | 5.26 | 6.2 |
| | 5320 | 0.11 | 0.19 | 57.89 | 5.26 | 6.2 |
| | 5500 | 0.11 | 0.19 | 57.89 | 5.26 | 6.2 |
| | 5580 | 0.11 | 0.19 | 57.89 | 5.26 | 6.2 |
| | 5700 | 0.11 | 0.19 | 57.89 | 5.26 | 6.2 |
| | 5745 | 0.11 | 0.19 | 57.89 | 5.26 | 6.2 |
| | 5785 | 0.11 | 0.19 | 57.89 | 5.26 | 6.2 |
| | 5825 | 0.11 | 0.19 | 57.89 | 5.26 | 6.2 |
| 802.11n(HT20) | 5180 | 0.11 | 0.19 | 57.89 | 5.26 | 6.2 |
| | 5200 | 0.11 | 0.20 | 55.00 | 5.00 | 6.2 |
| | 5240 | 0.11 | 0.19 | 57.89 | 5.26 | 6.2 |
| | 5260 | 0.11 | 0.19 | 57.89 | 5.26 | 6.2 |
| | 5280 | 0.11 | 0.19 | 57.89 | 5.26 | 6.2 |
| | 5320 | 0.11 | 0.20 | 55.00 | 5.00 | 6.2 |
| | 5500 | 0.11 | 0.19 | 57.89 | 5.26 | 6.2 |
| | 5580 | 0.11 | 0.19 | 57.89 | 5.26 | 6.2 |
| | 5700 | 0.11 | 0.19 | 57.89 | 5.26 | 6.2 |
| | 5745 | 0.11 | 0.19 | 57.89 | 5.26 | 6.2 |
| | 5785 | 0.11 | 0.19 | 57.89 | 5.26 | 6.2 |
| | 5825 | 0.11 | 0.19 | 57.89 | 5.26 | 6.2 |
| 802.11n(HT40) | 5190 | 0.07 | 0.15 | 46.67 | 6.67 | 8.2 |
| | 5230 | 0.07 | 0.15 | 46.67 | 6.67 | 8.2 |
| | 5270 | 0.07 | 0.15 | 46.67 | 6.67 | 8.2 |
| | 5310 | 0.07 | 0.15 | 46.67 | 6.67 | 8.2 |
| | 5510 | 0.07 | 0.15 | 46.67 | 6.67 | 8.2 |
| | 5550 | 0.07 | 0.15 | 46.67 | 6.67 | 8.2 |
| | 5670 | 0.07 | 0.15 | 46.67 | 6.67 | 8.2 |
| | 5755 | 0.07 | 0.15 | 46.67 | 6.67 | 8.2 |
| | 5795 | 0.07 | 0.15 | 46.67 | 6.67 | 8.2 |
| 802.11ac(VHT20) | 5180 | 0.12 | 0.20 | 60.00 | 5.00 | 5.1 |
| | 5200 | 0.12 | 0.20 | 60.00 | 5.00 | 5.1 |
| | 5240 | 0.12 | 0.20 | 60.00 | 5.00 | 5.1 |
| | 5260 | 0.12 | 0.20 | 60.00 | 5.00 | 5.1 |
| | 5280 | 0.12 | 0.20 | 60.00 | 5.00 | 5.1 |
| | 5320 | 0.12 | 0.20 | 60.00 | 5.00 | 5.1 |
| | 5500 | 0.12 | 0.20 | 60.00 | 5.00 | 5.1 |

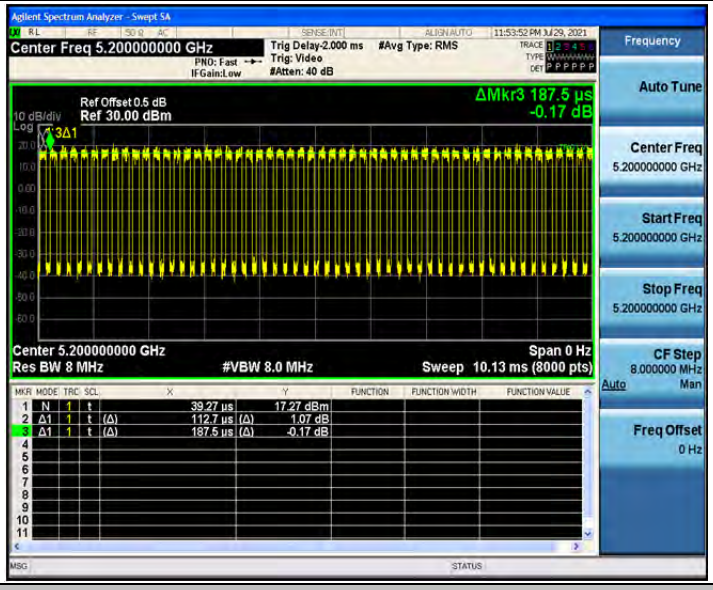
| | | | | | | |
|---|---|---|---|---|---|---|
| | 5580 | 0.12 | 0.20 | 60.00 | 5.00 | 5.1 |
| | 5700 | 0.12 | 0.20 | 60.00 | 5.00 | 5.1 |
| | 5745 | 0.12 | 0.20 | 60.00 | 5.00 | 5.1 |
| | 5785 | 0.12 | 0.20 | 60.00 | 5.00 | 5.1 |
| | 5825 | 0.12 | 0.20 | 60.00 | 5.00 | 5.1 |
| 802.11ac(VHT40) | 5190 | 0.08 | 0.16 | 50.00 | 6.25 | 8.2 |
| | 5230 | 0.08 | 0.16 | 50.00 | 6.25 | 8.2 |
| | 5270 | 0.08 | 0.15 | 53.33 | 6.67 | 8.2 |
| | 5310 | 0.08 | 0.16 | 50.00 | 6.25 | 8.2 |
| | 5510 | 0.08 | 0.16 | 50.00 | 6.25 | 8.2 |
| | 5550 | 0.08 | 0.15 | 53.33 | 6.67 | 8.2 |
| | 5670 | 0.08 | 0.15 | 53.33 | 6.67 | 8.2 |
| | 5755 | 0.08 | 0.15 | 53.33 | 6.67 | 8.2 |
| | 5795 | 0.08 | 0.15 | 53.33 | 6.67 | 8.2 |
| 802.11ac(VHT80) | 5210 | 0.06 | 0.13 | 46.15 | 7.69 | 8.2 |
| | 5290 | 0.06 | 0.13 | 46.15 | 7.69 | 8.2 |
| | 5530 | 0.06 | 0.13 | 46.15 | 7.69 | 8.2 |
| | 5610 | 0.06 | 0.13 | 46.15 | 7.69 | 8.2 |
| | 5775 | 0.06 | 0.13 | 46.15 | 7.69 | 8.2 |

**Test Graphs**

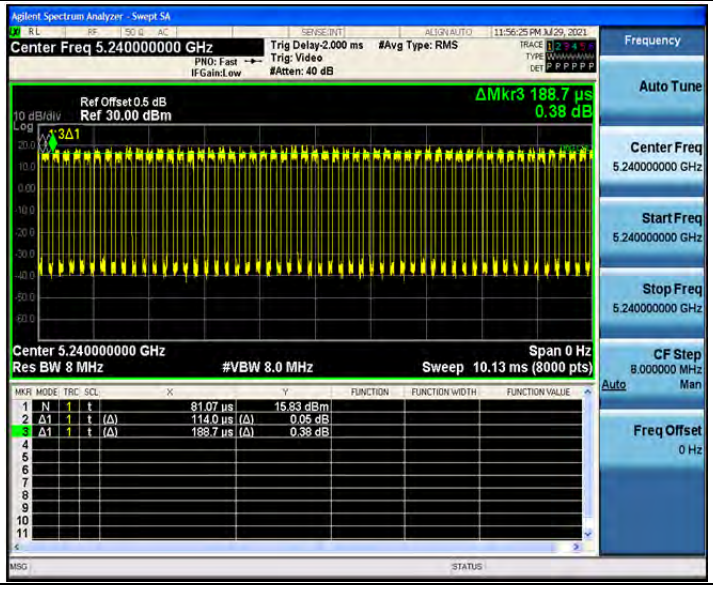
802.11a_5180



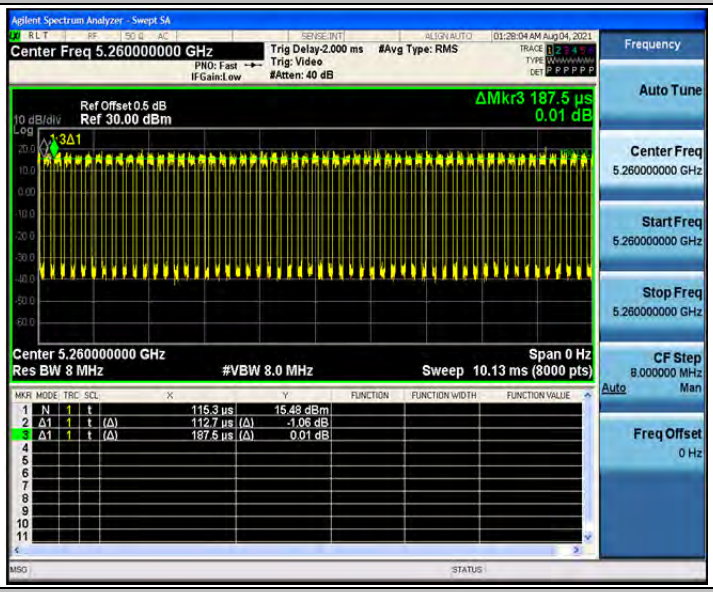

802.11a_5200



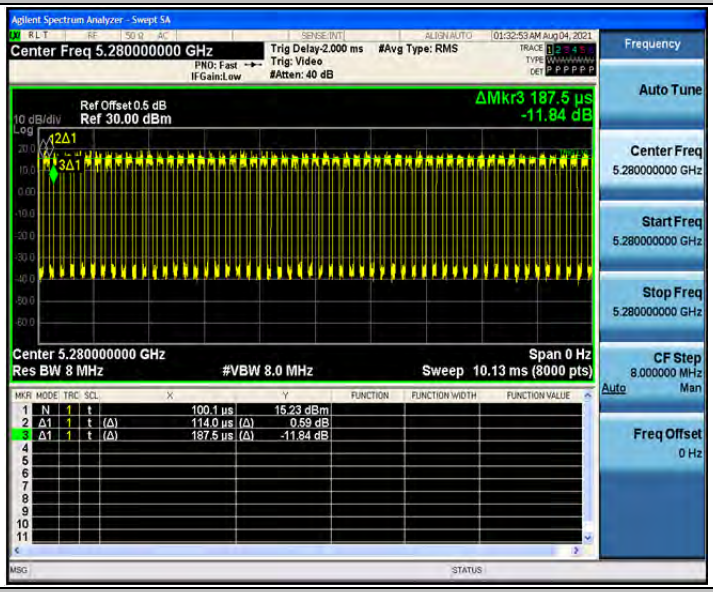

802.11a_5240



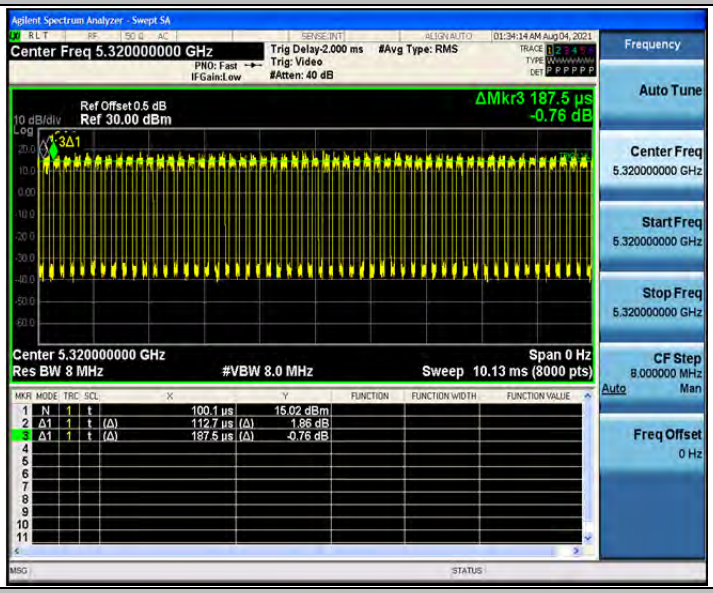
802.11a_5260



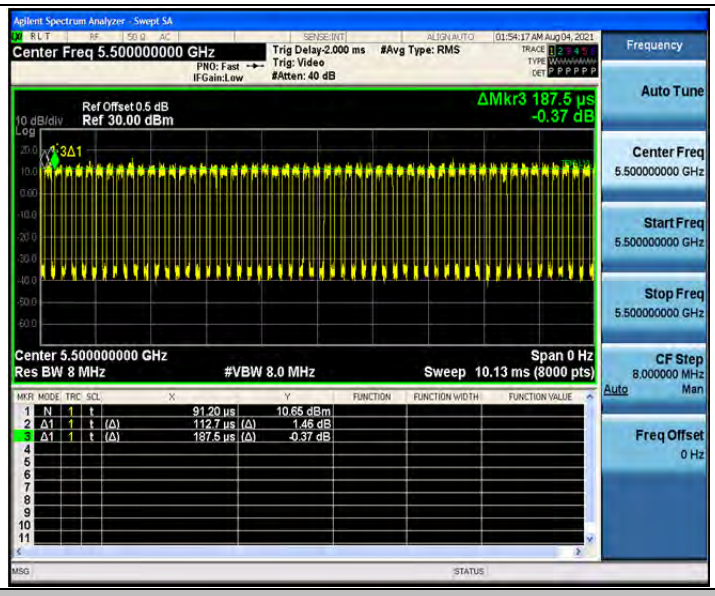

802.11a_5280



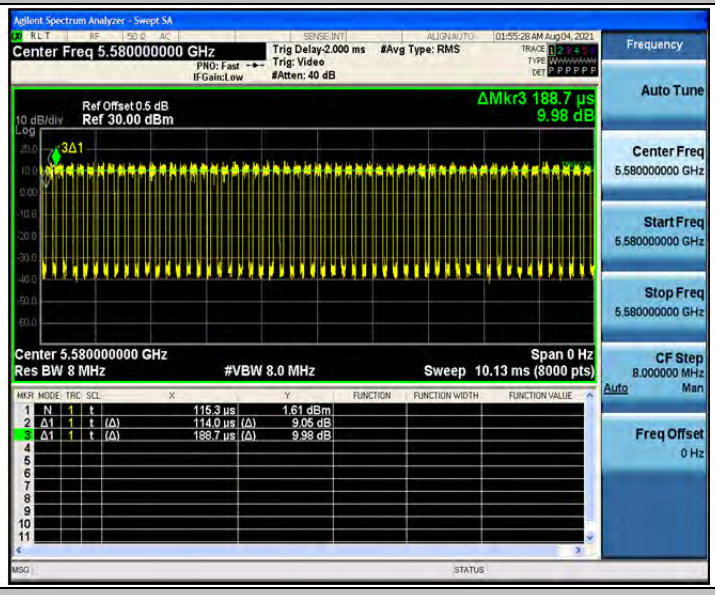

802.11a_5320



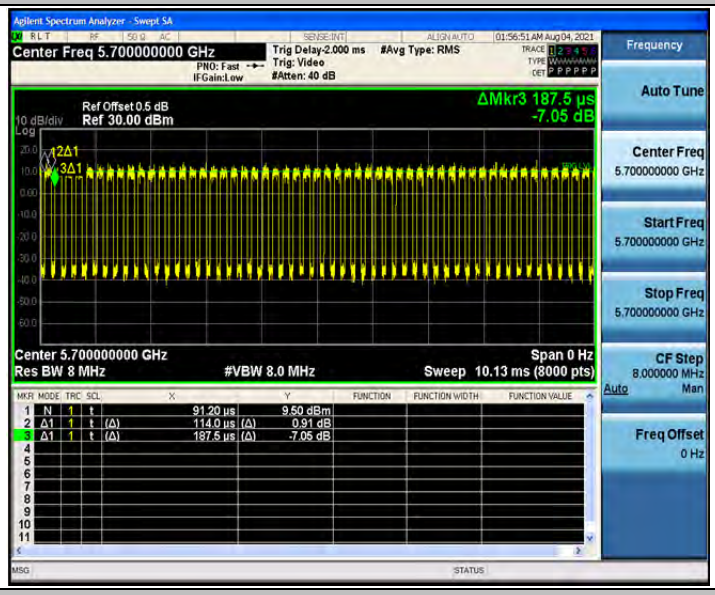

802.11a_5500



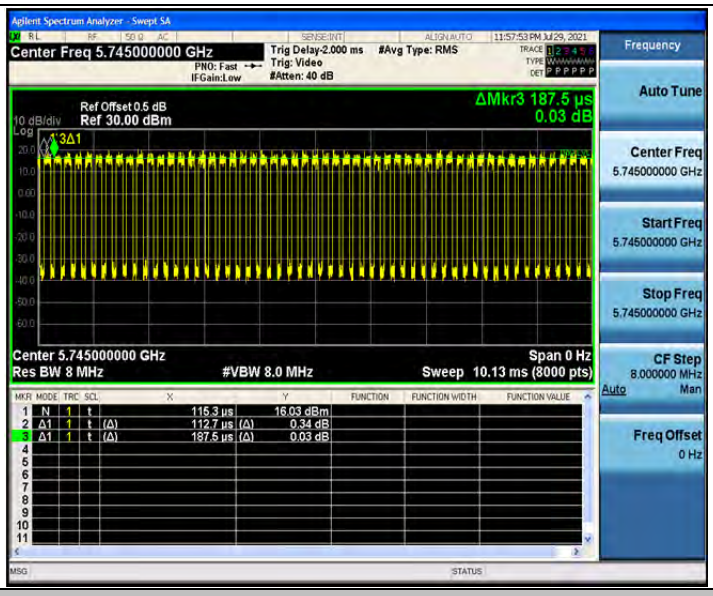

802.11a_5580



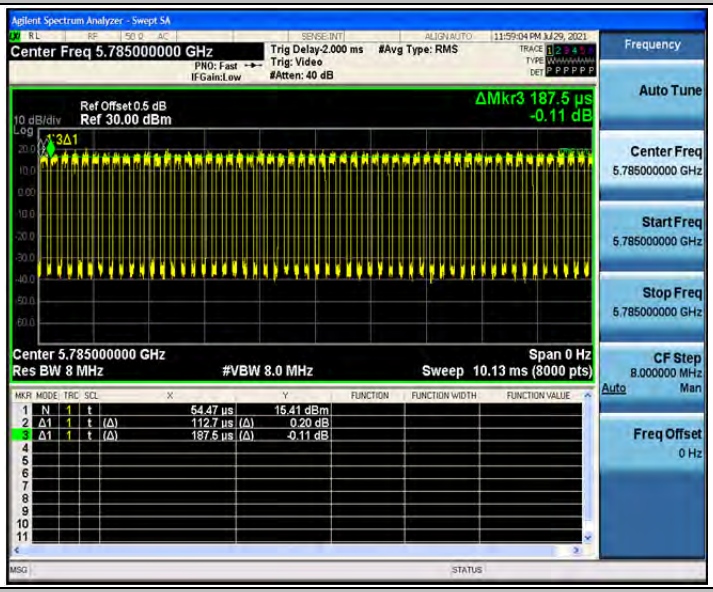

802.11a_5700



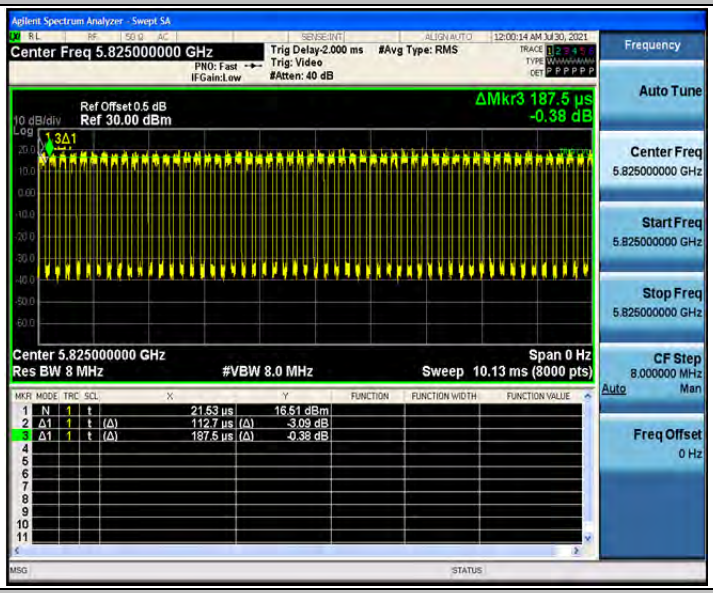

802.11a_5745



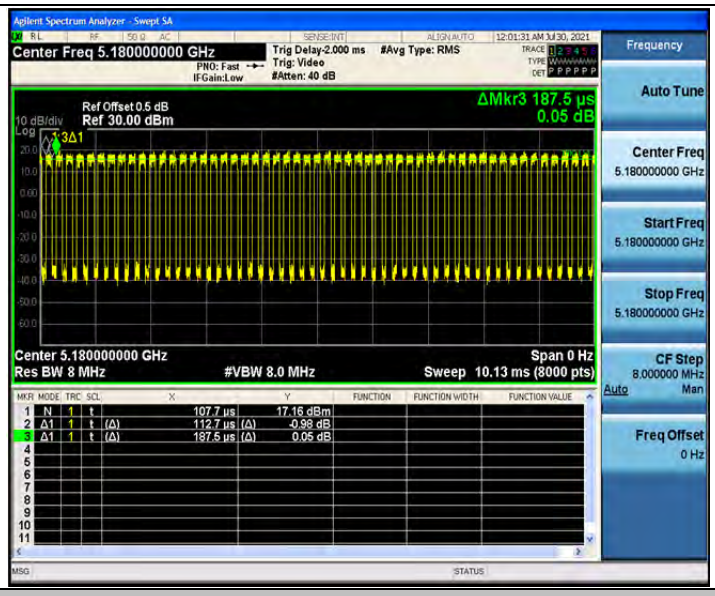

802.11a_5785



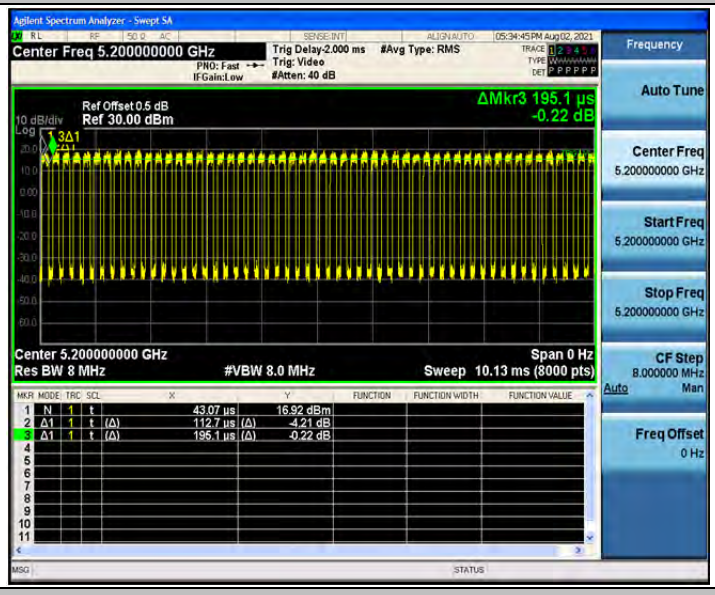

802.11a_5825



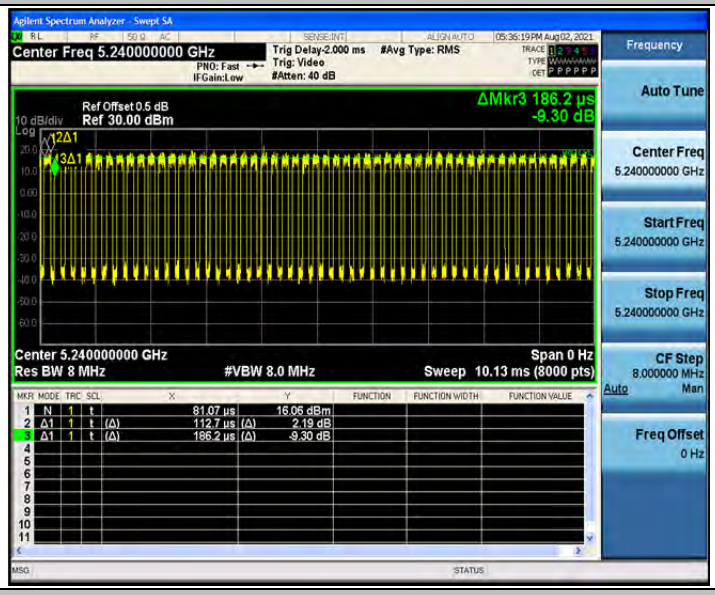

802.11n(HT20)_5180



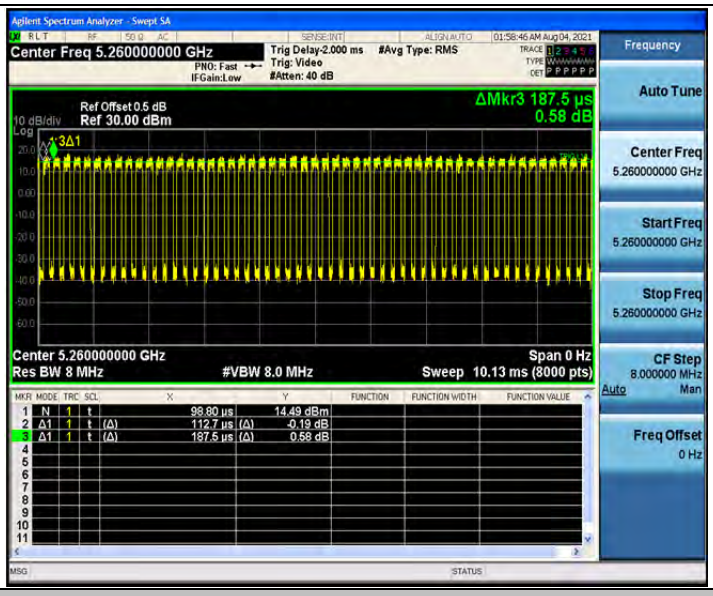

802.11n(HT20)_5200



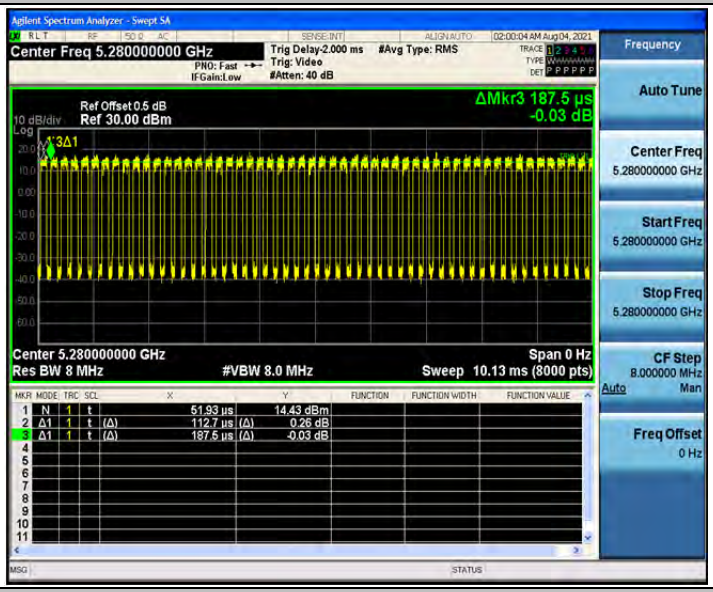

802.11n(HT20)_5240



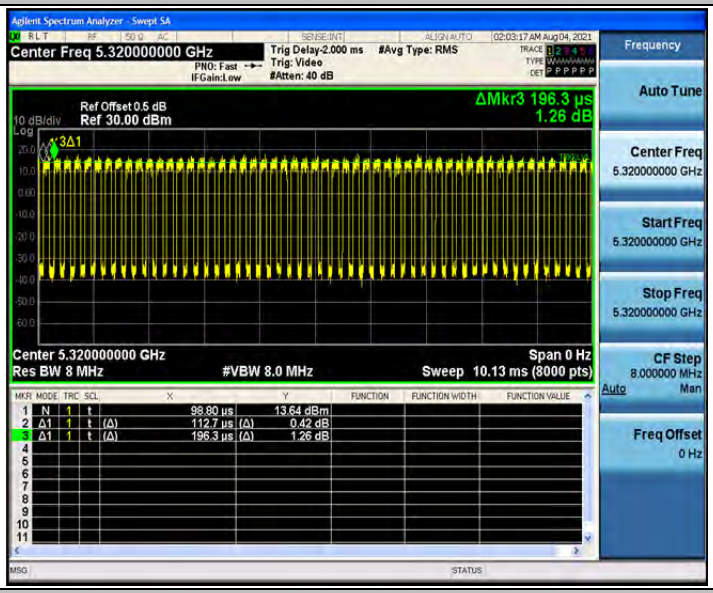

802.11n(HT20)_5260



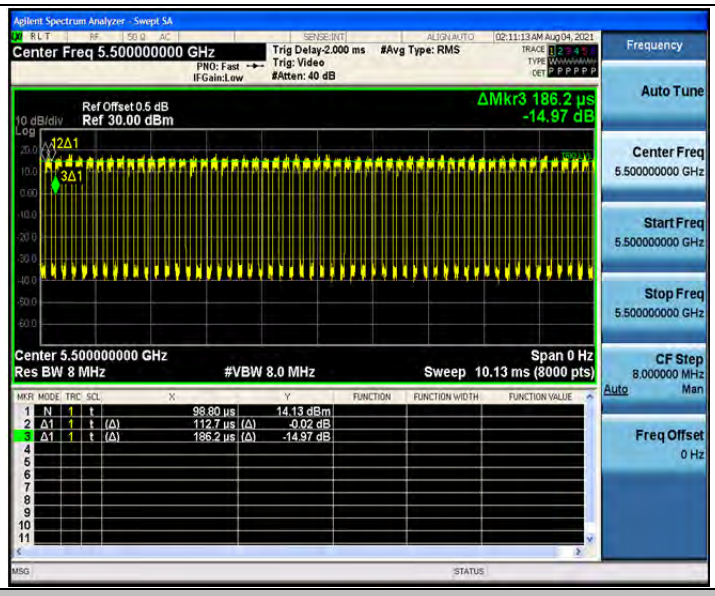

802.11n(HT20)_5280



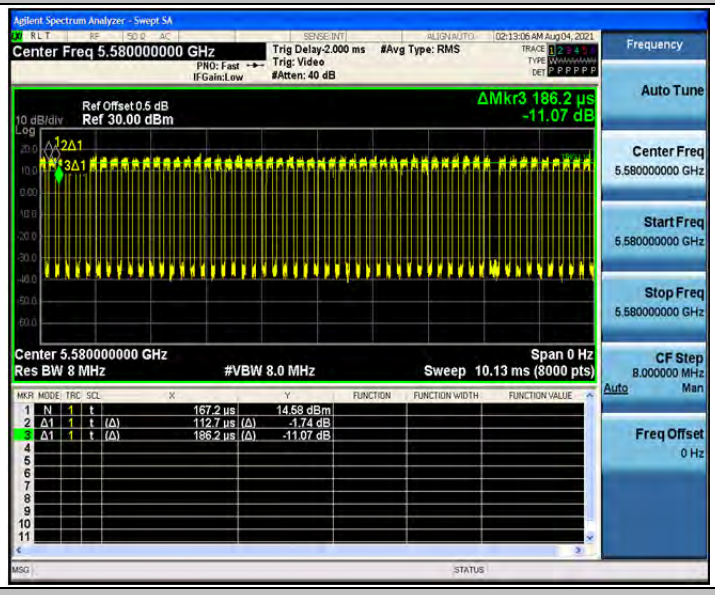

802.11n(HT20)_5320



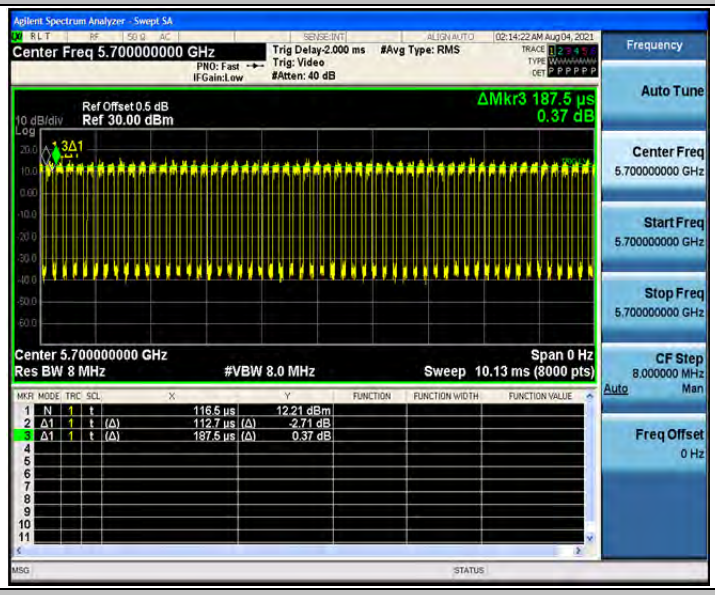

802.11n(HT20)_5500



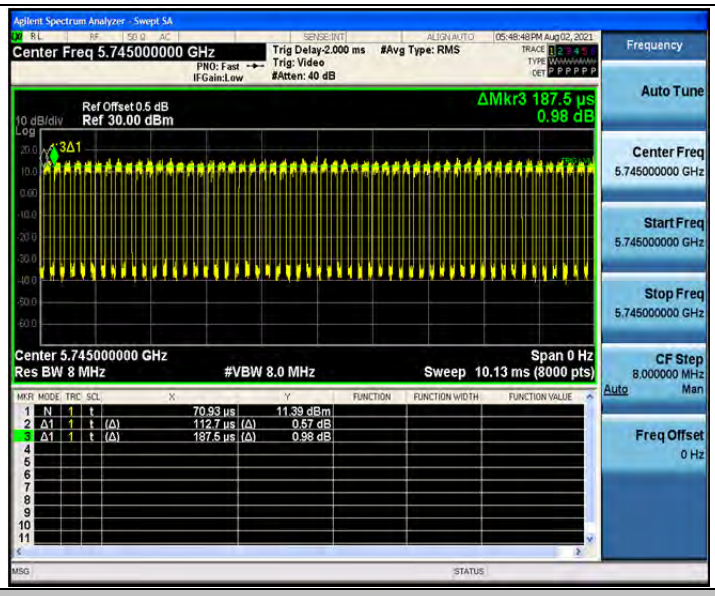

802.11n(HT20)_5580



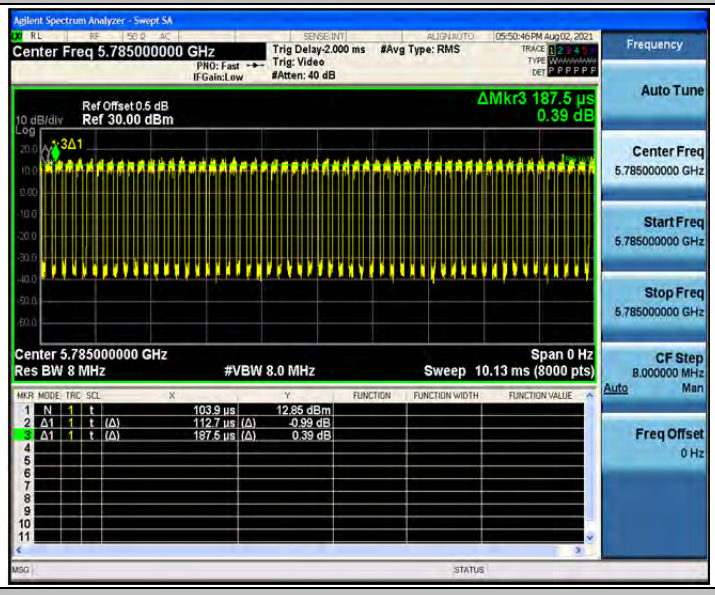

802.11n(HT20)_5700



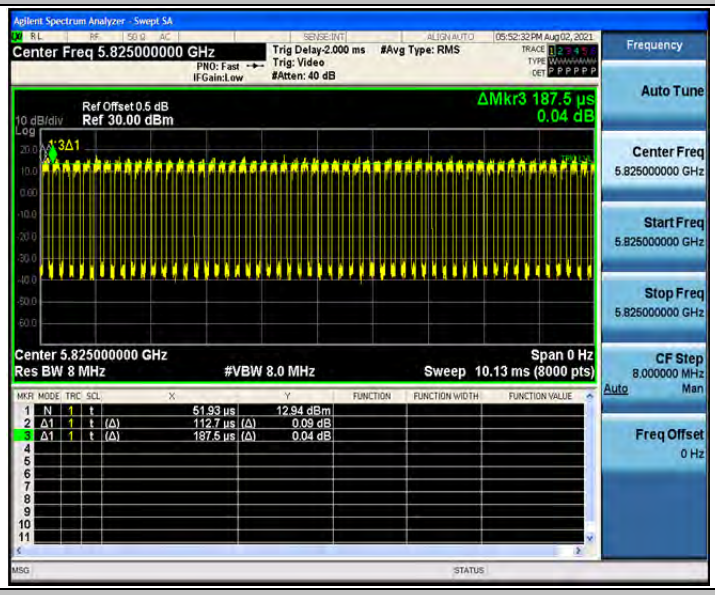

802.11n(HT20)_5745



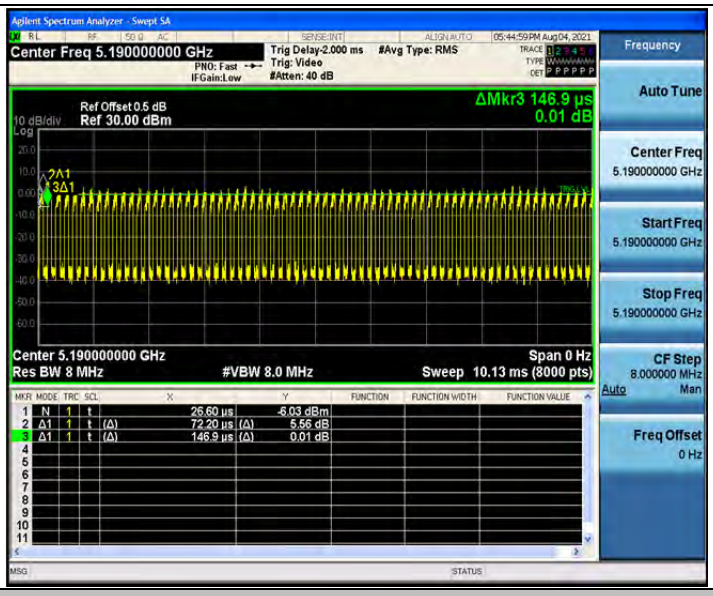

802.11n(HT20)_5785



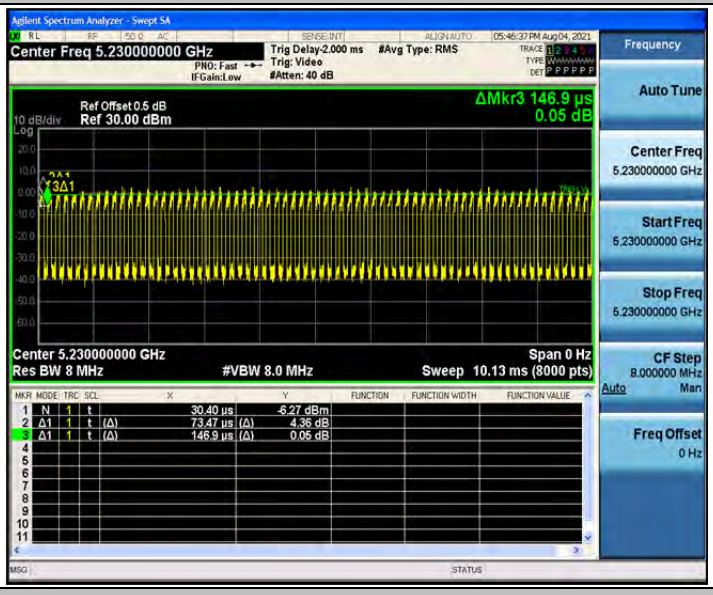

802.11n(HT20)_5825



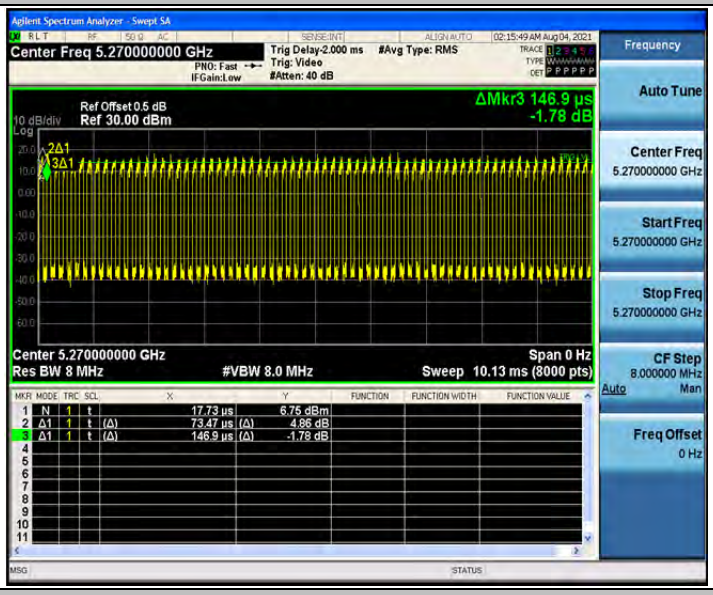

802.11n(HT40)_5190



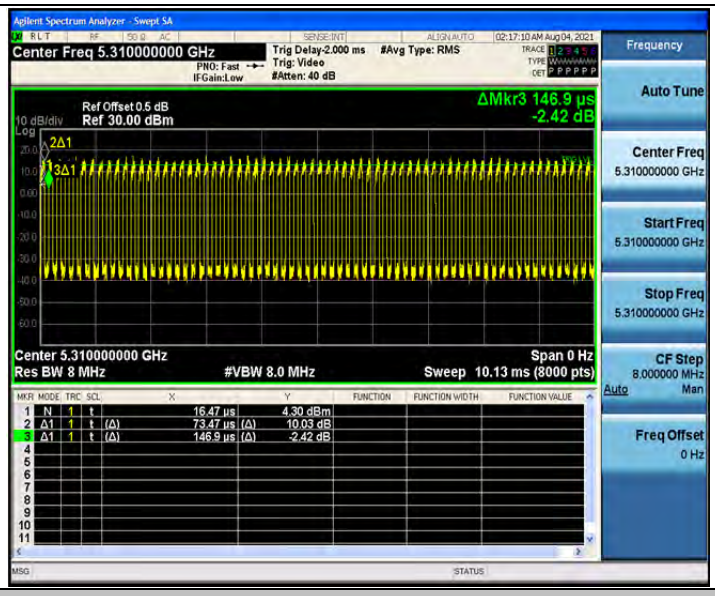

802.11n(HT40)_5230



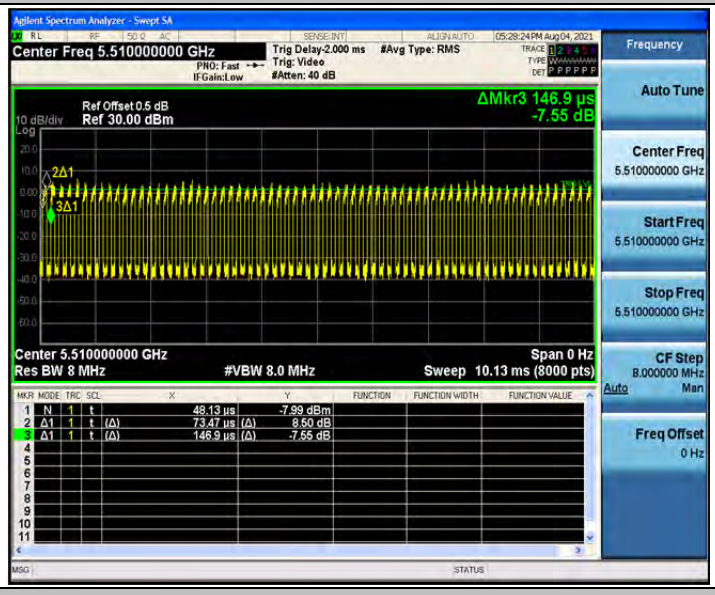

802.11n(HT40)_5270



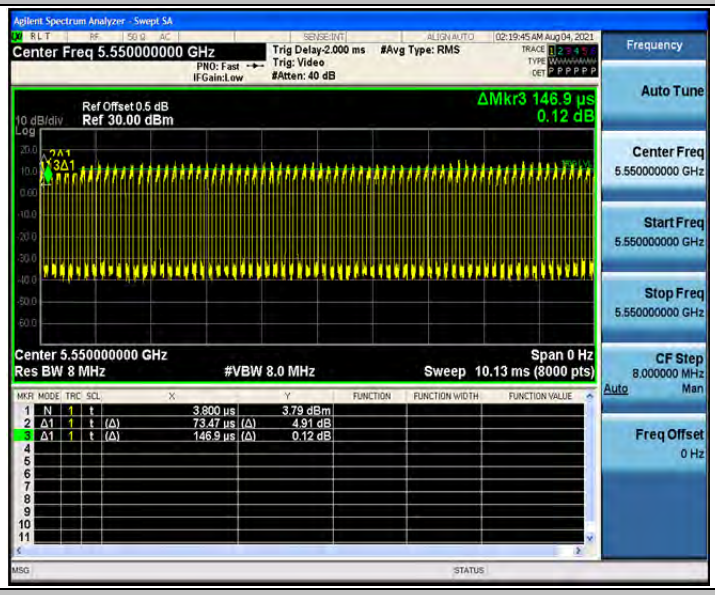

802.11n(HT40)_5310



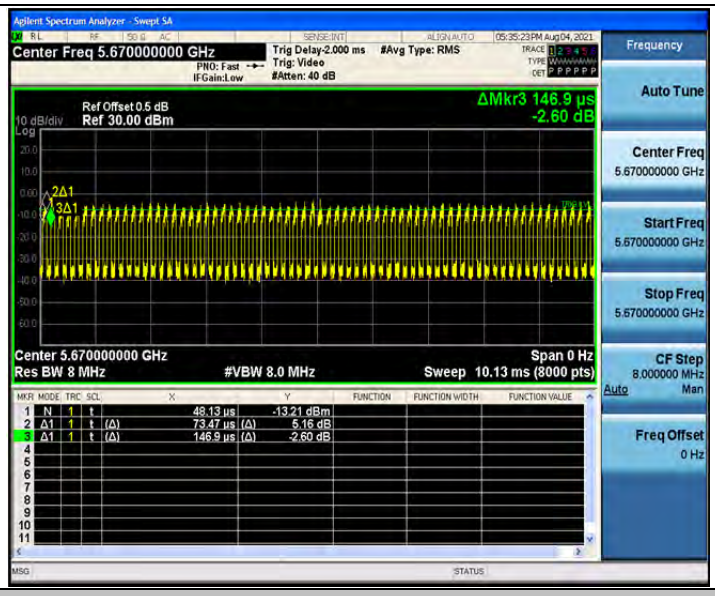

802.11n(HT40)_5510



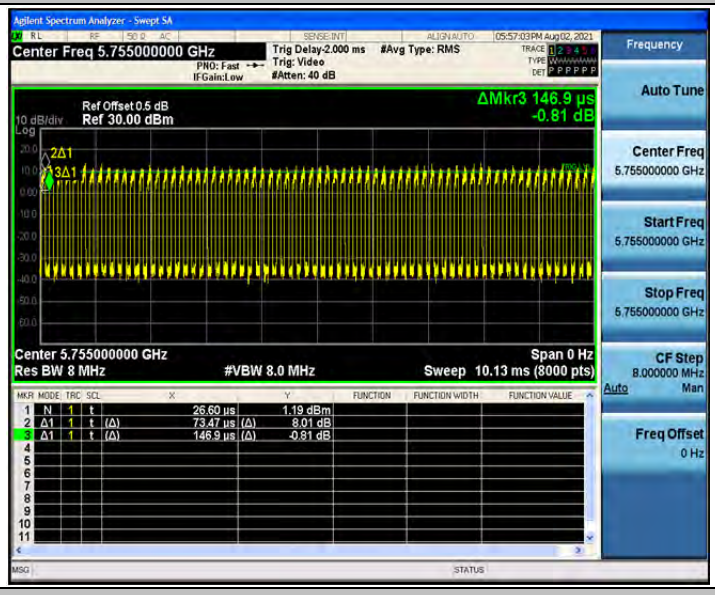

802.11n(HT40)_5550



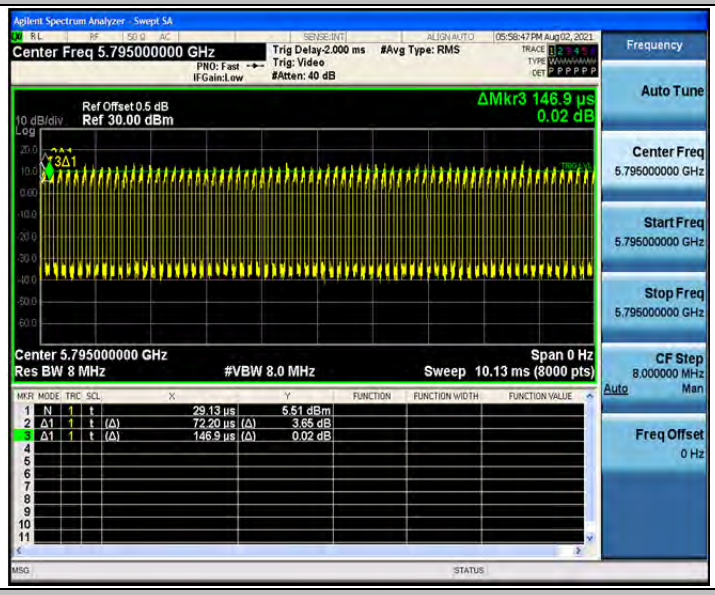

802.11n(HT40)_5670



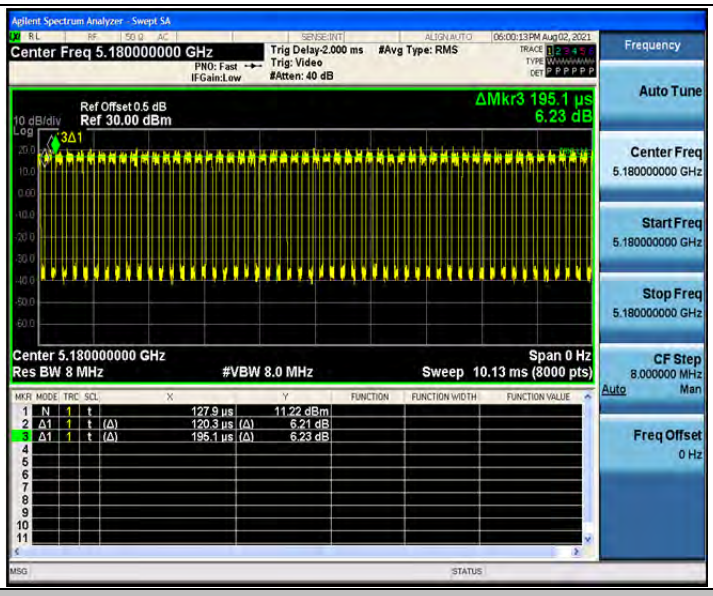

802.11n(HT40)_5755



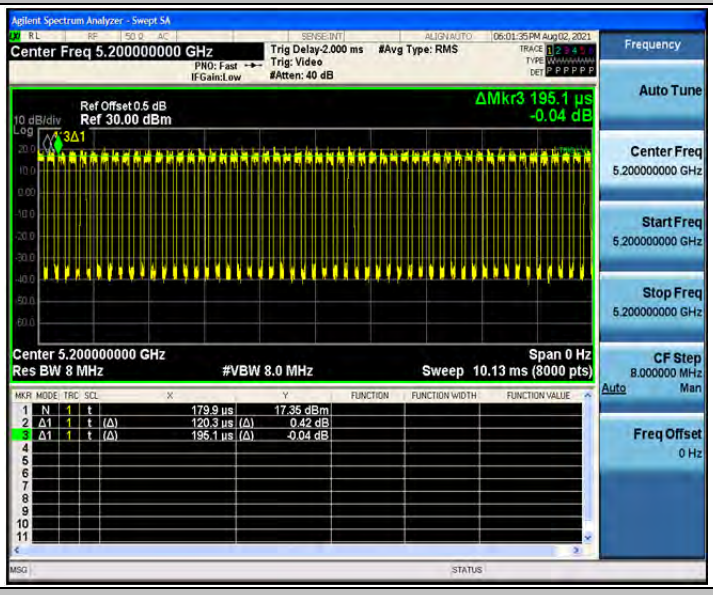

802.11n(HT40)_5795




802.11ac(VHT20)_5180




802.11ac(VHT20)_5200

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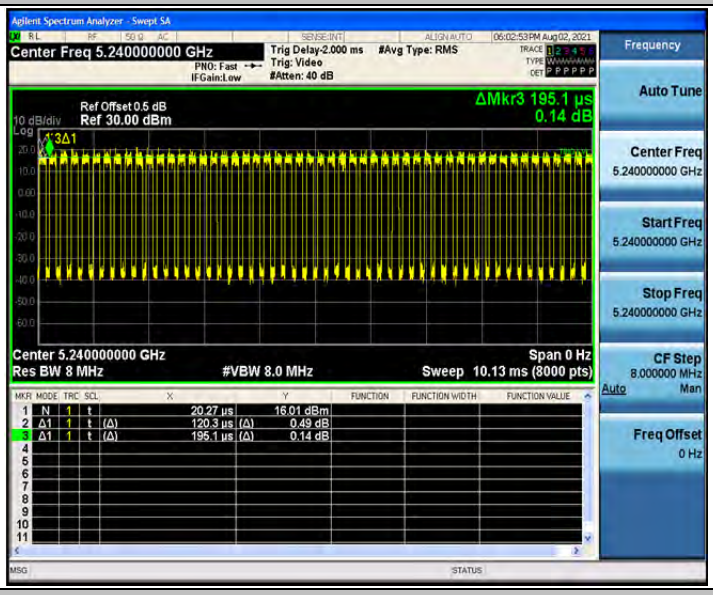


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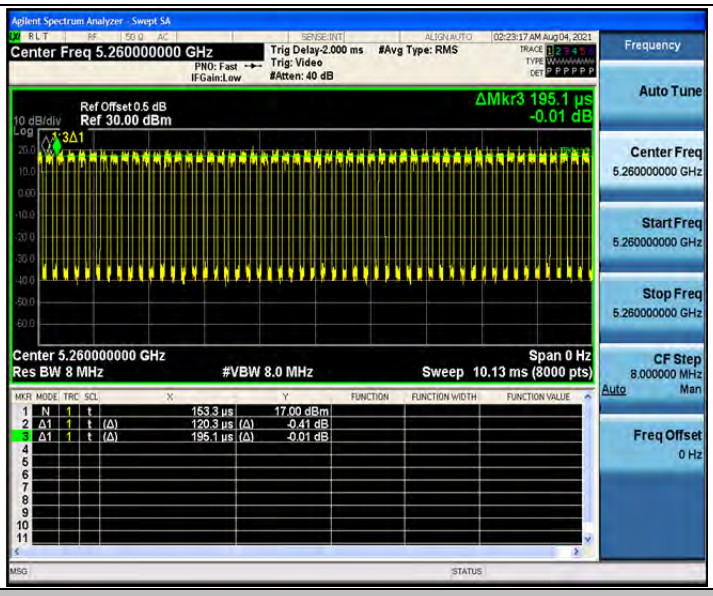


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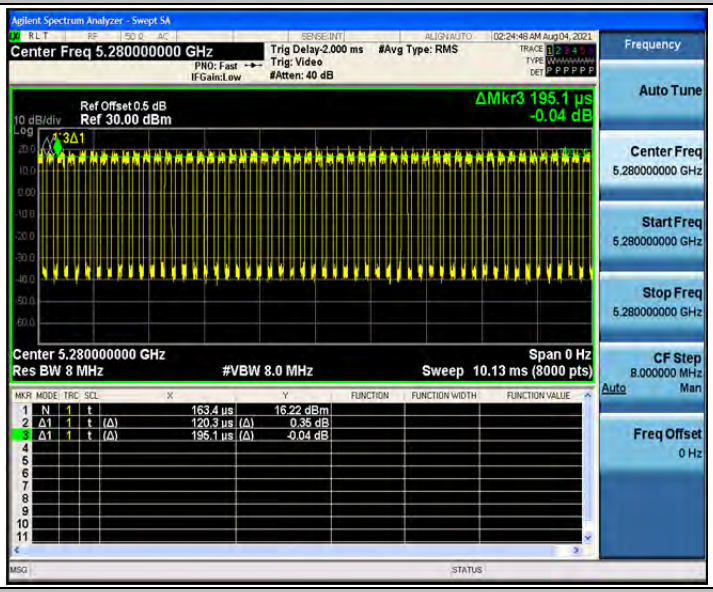


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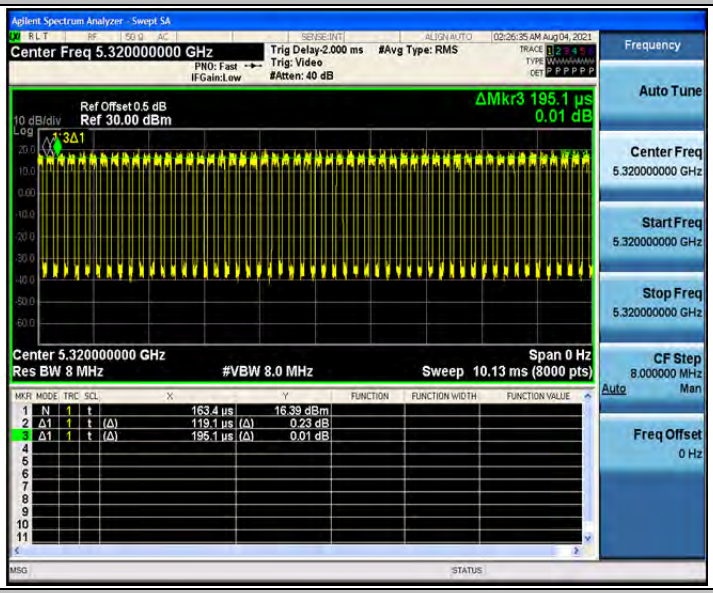


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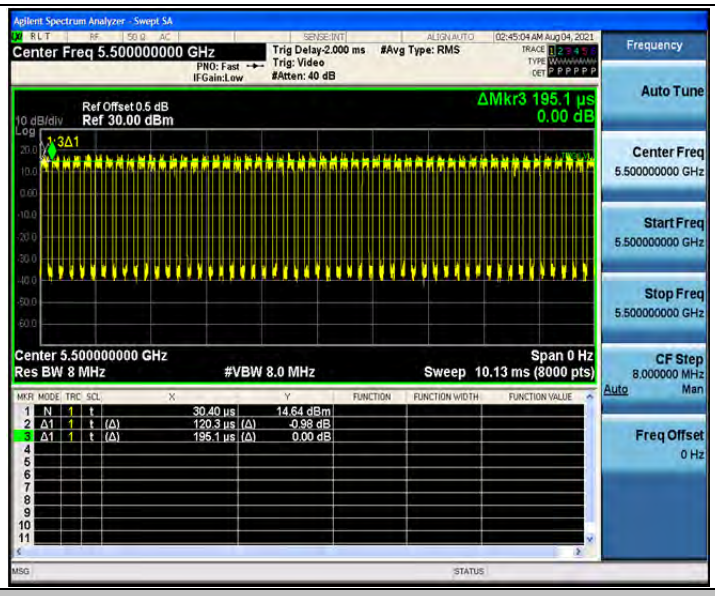


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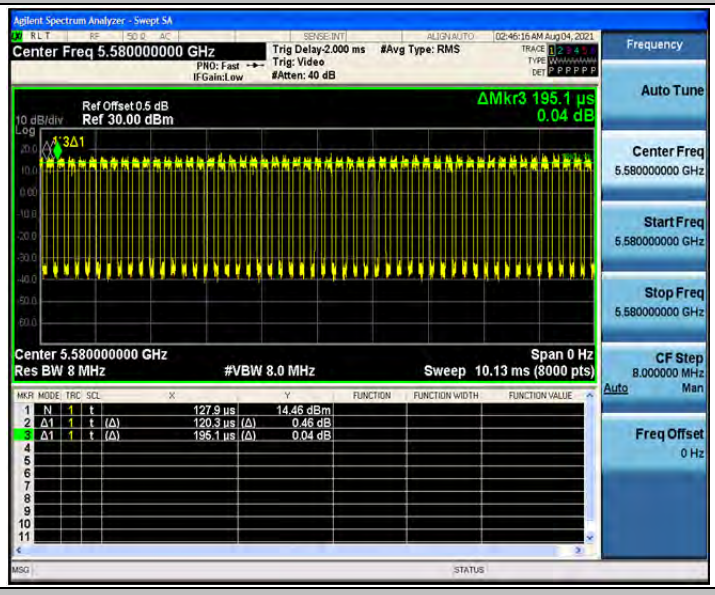


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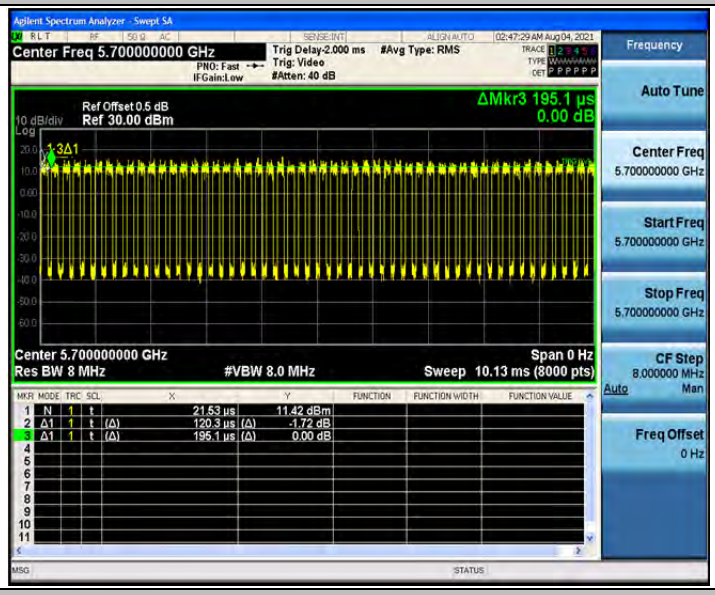


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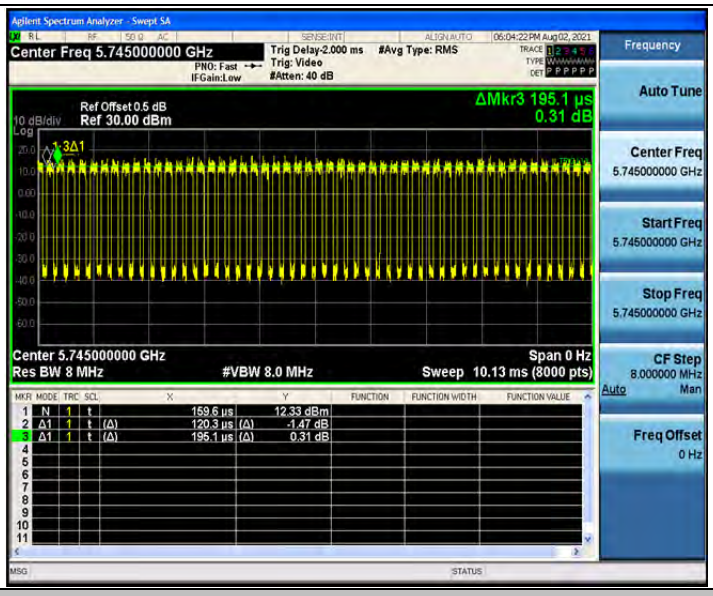


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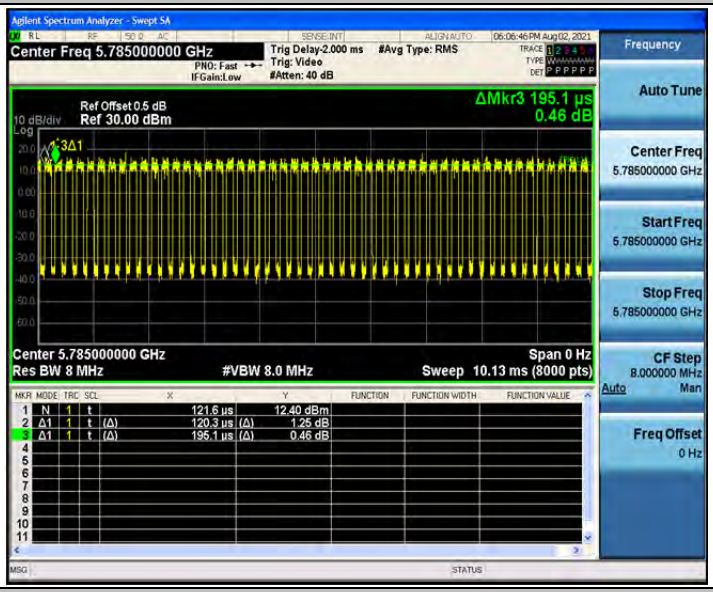


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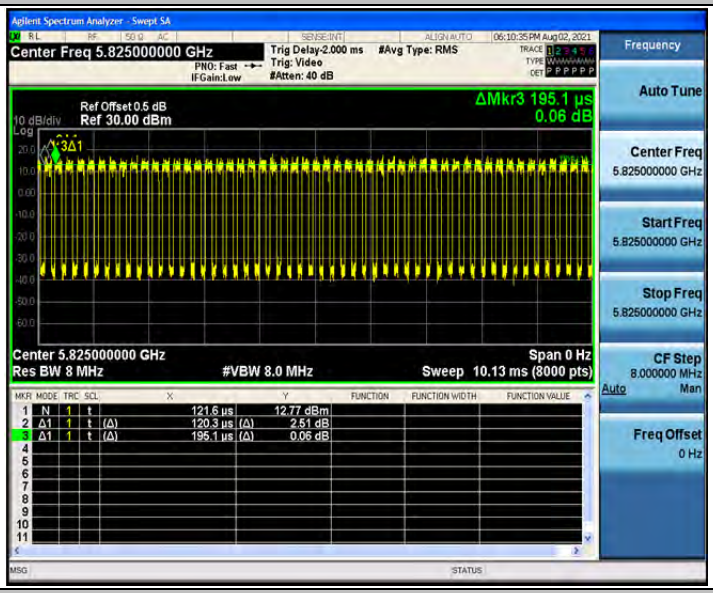


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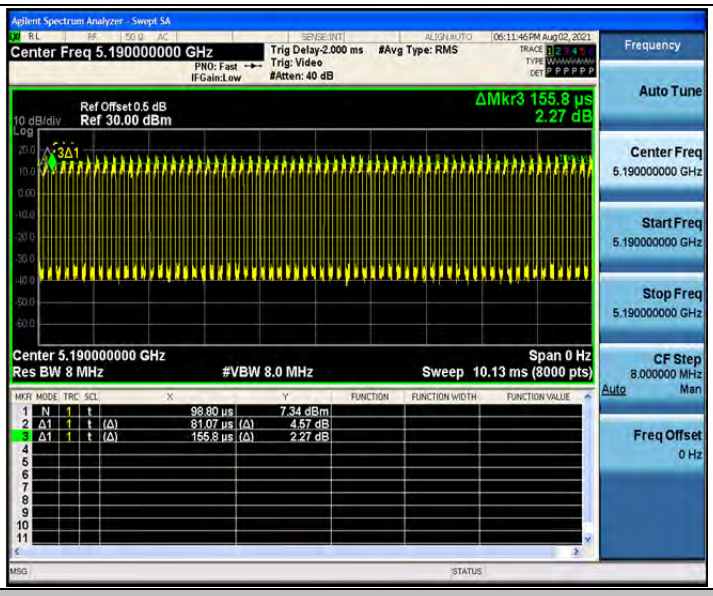


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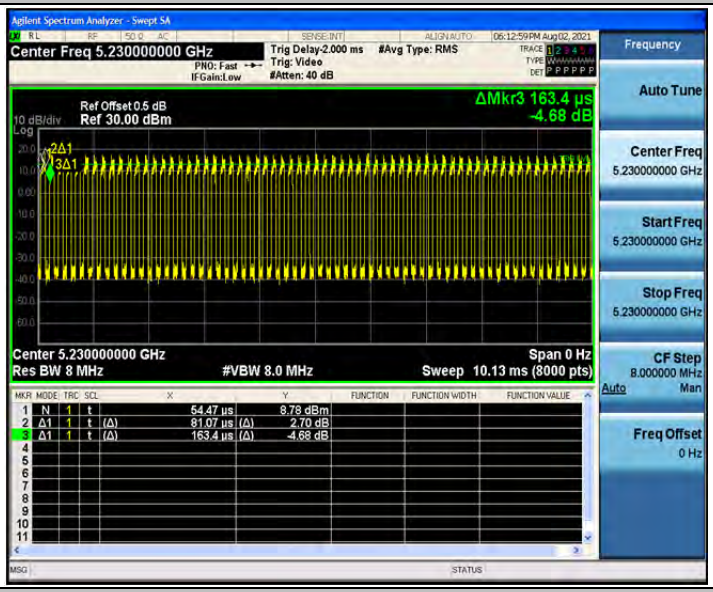


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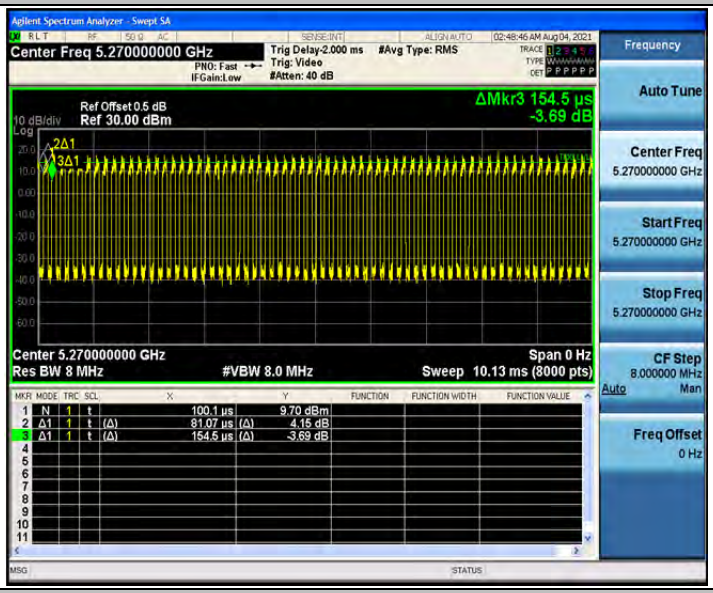


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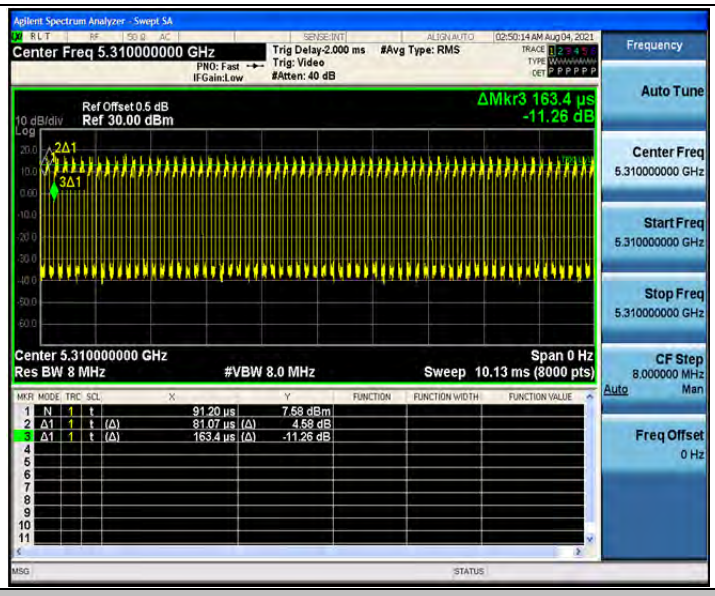


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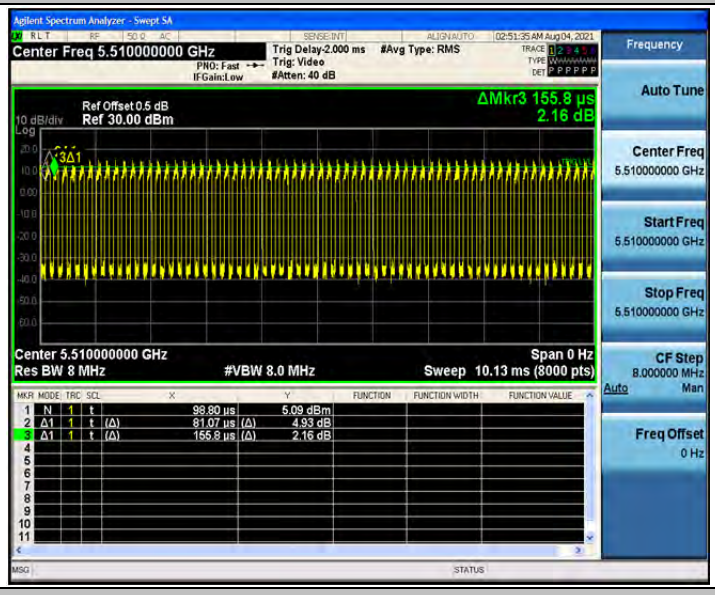


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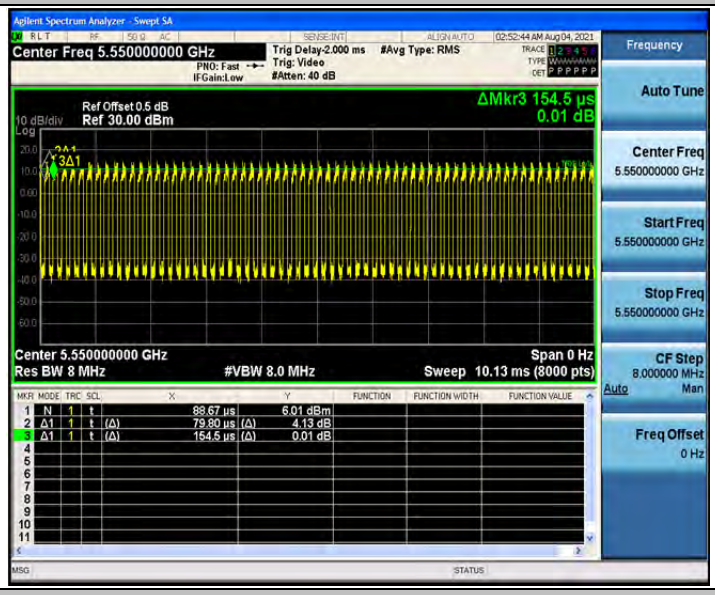


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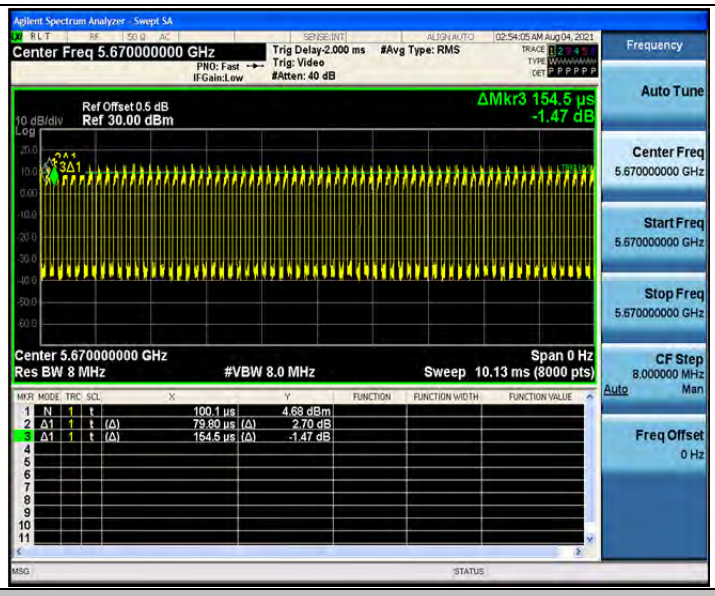


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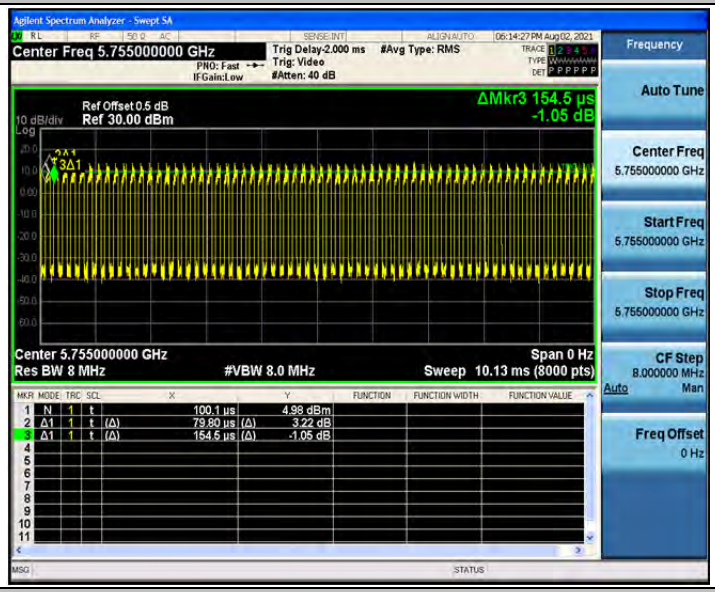


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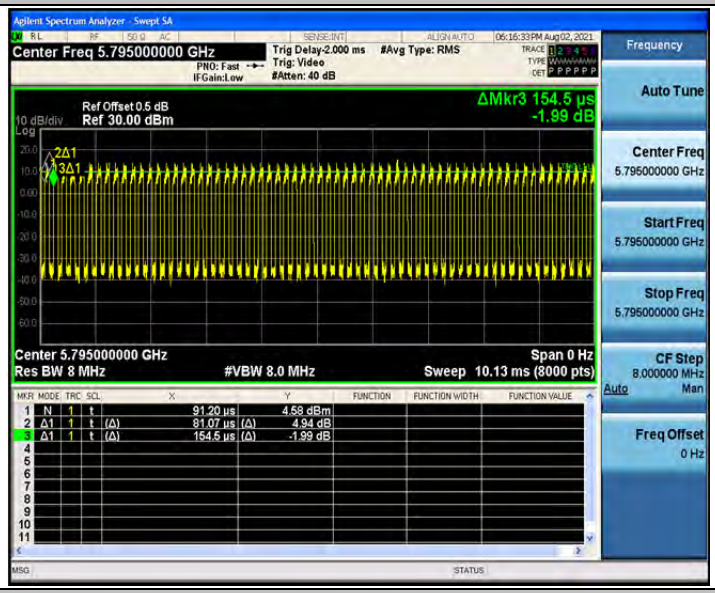


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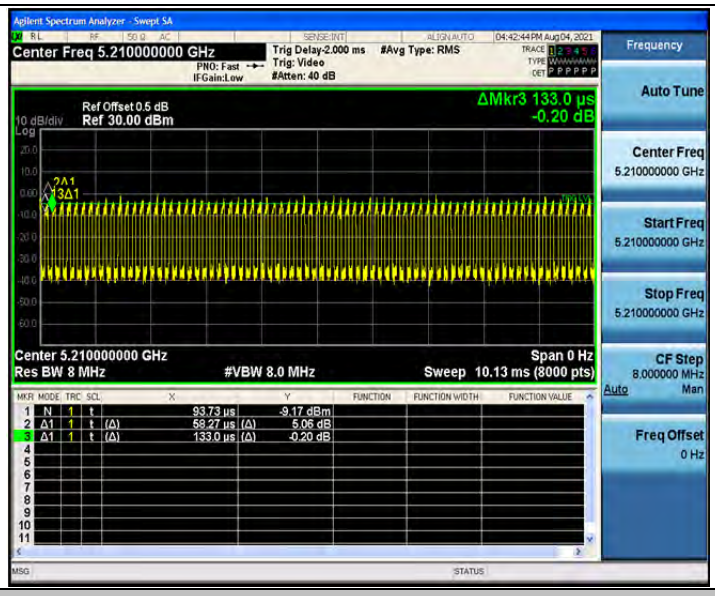


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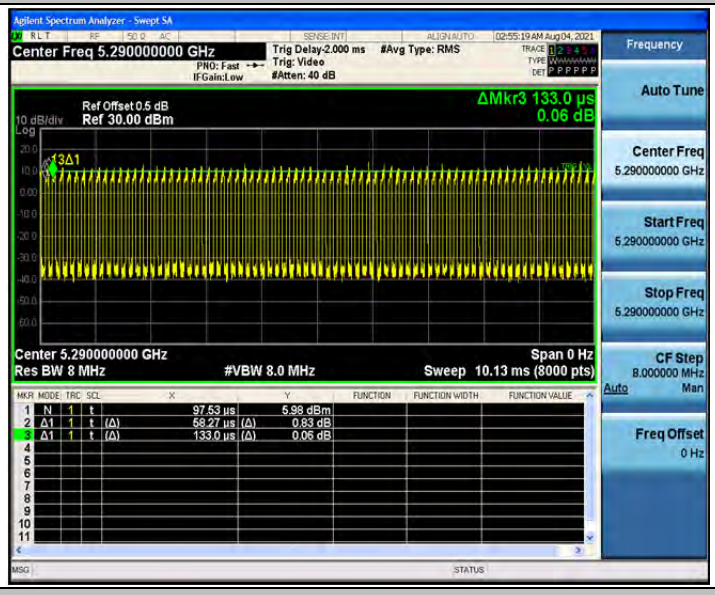


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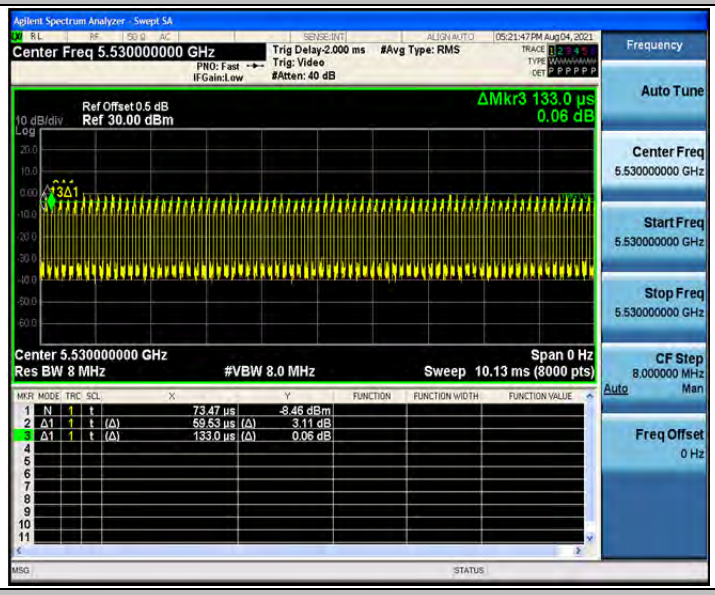


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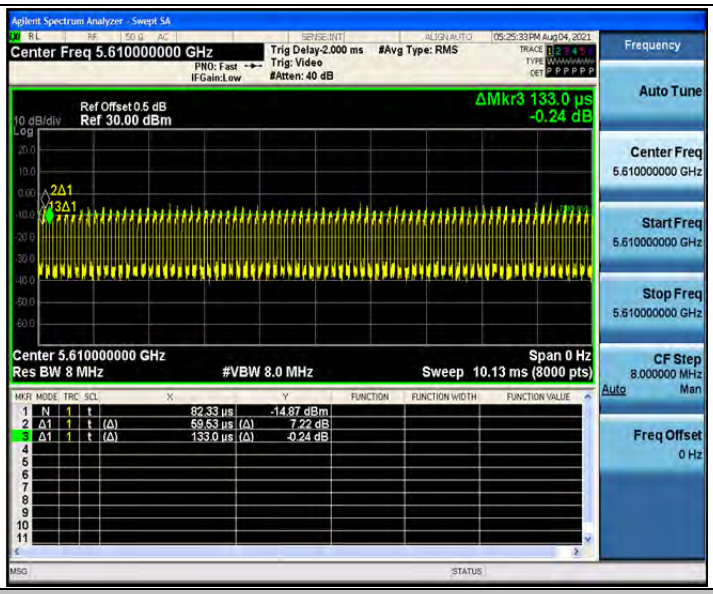


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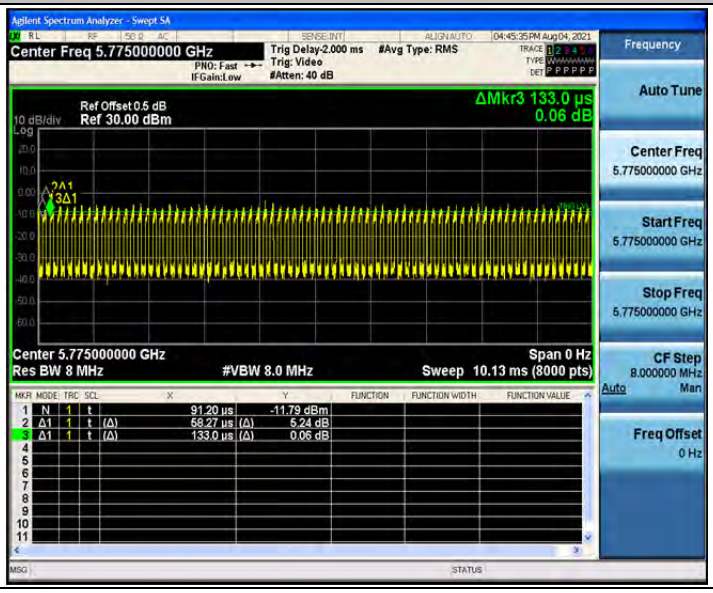


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