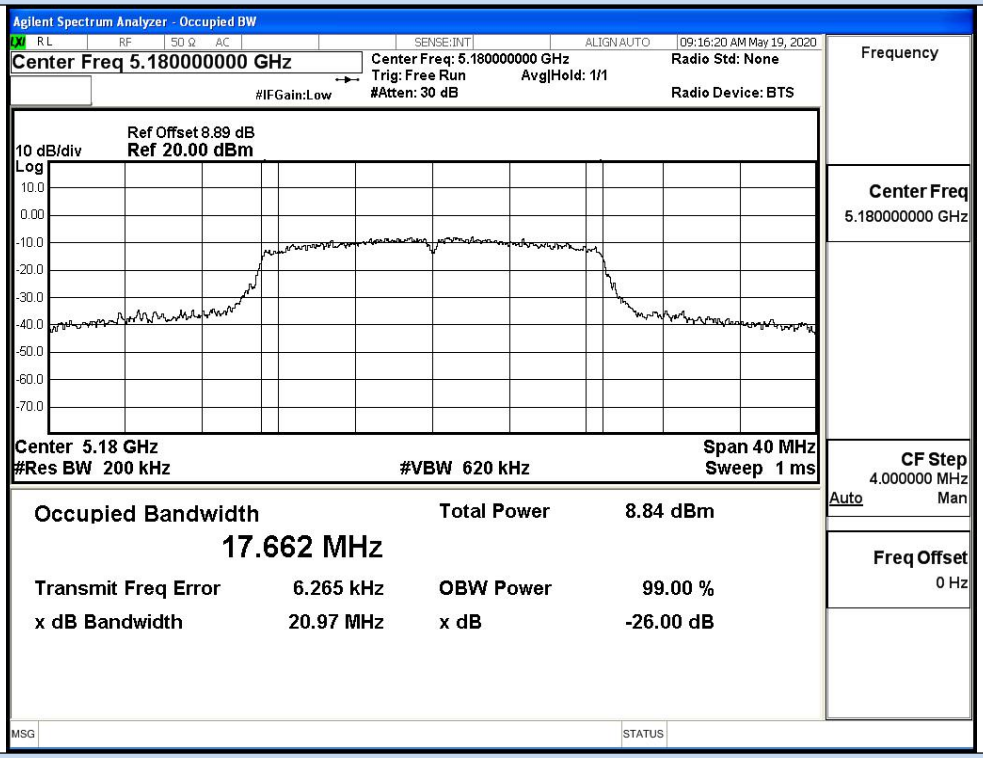
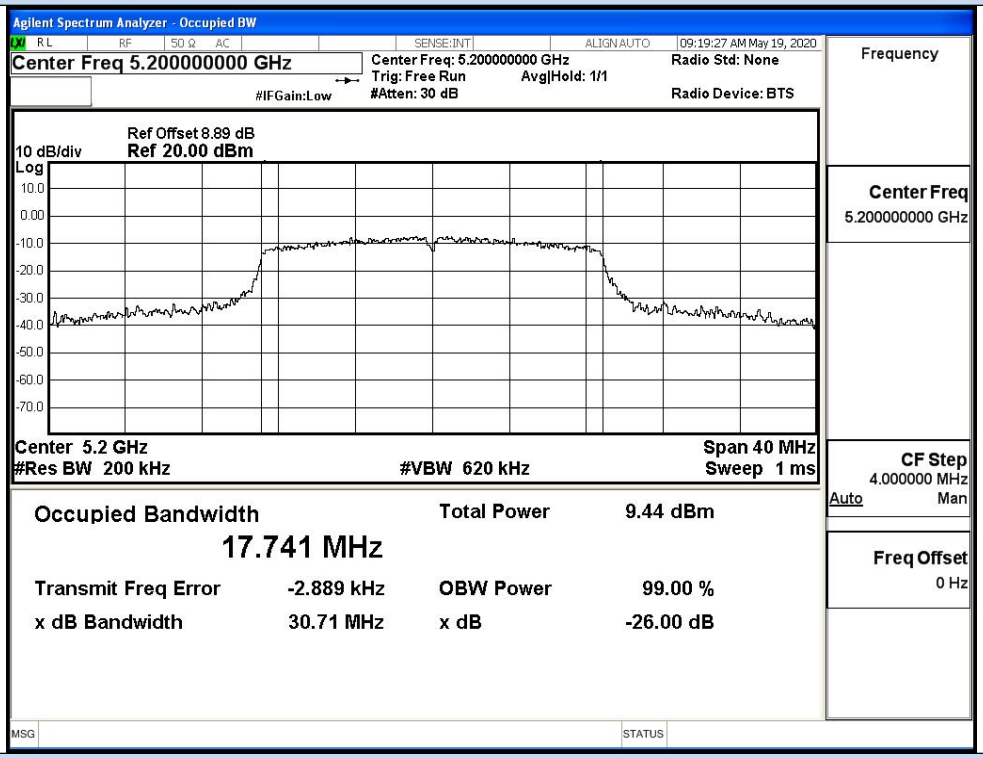
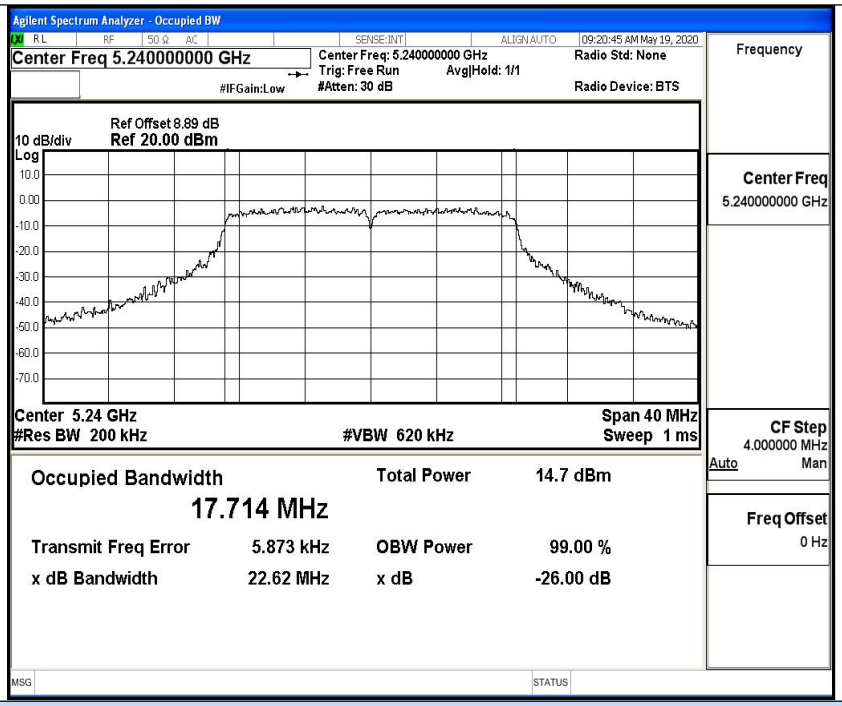
26dB Bandwidth




IEEE 802.11n20 / Channel 36 / 5180MHz

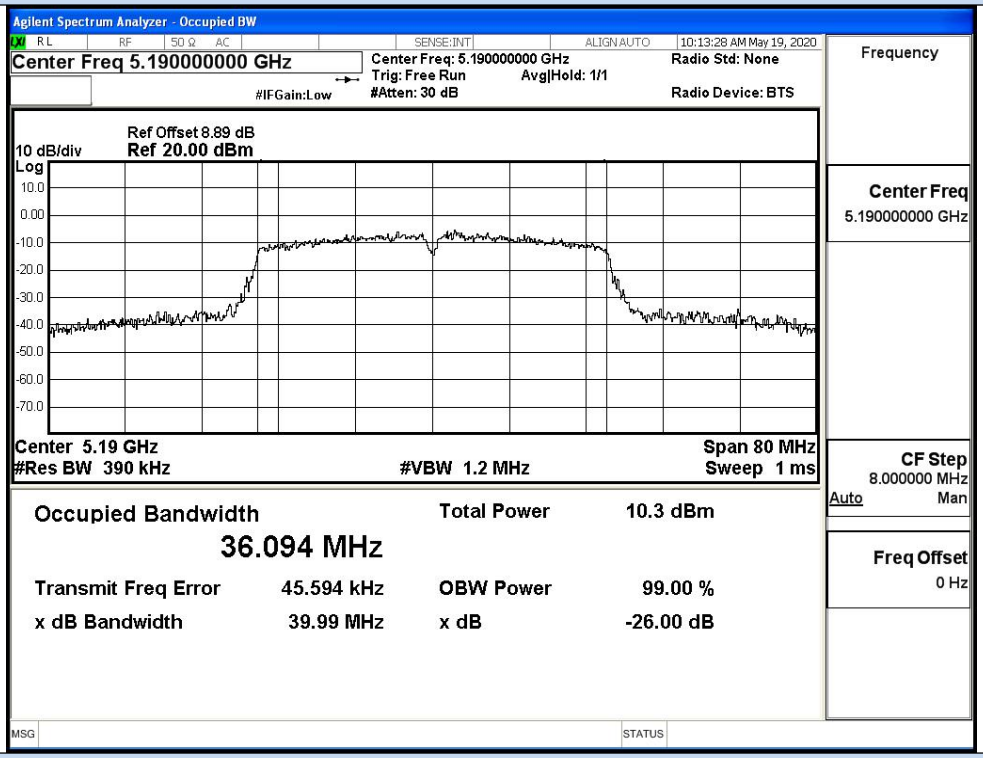



IEEE 802.11n20 / Channel 40 / 5200MHz

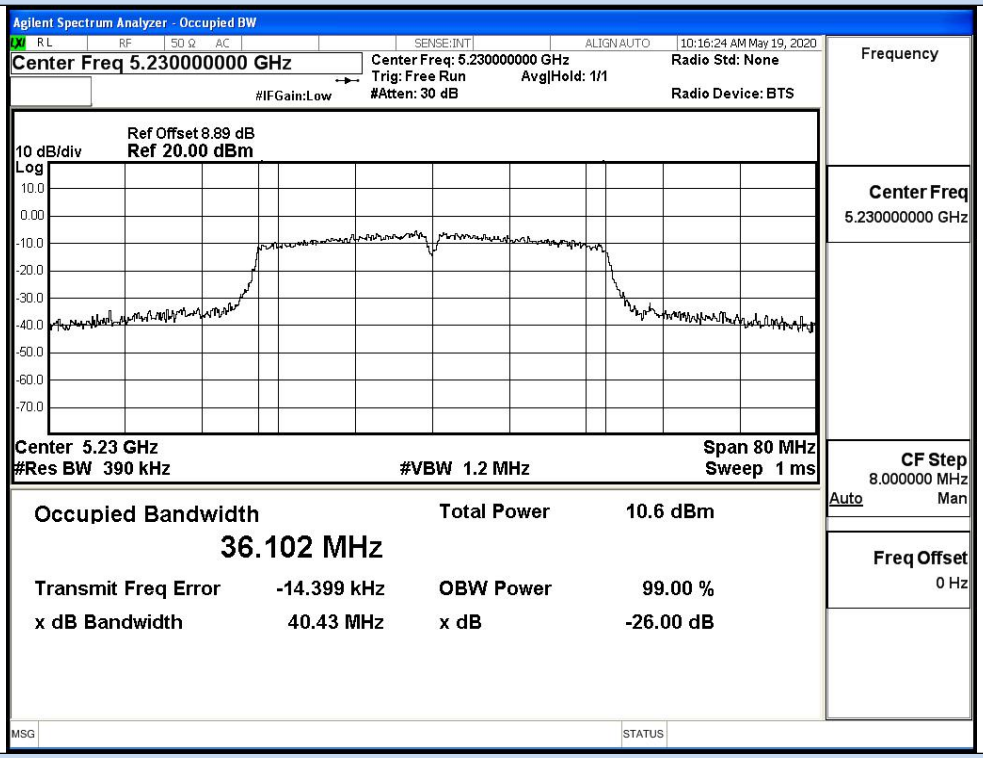



IEEE 802.11n20 / Channel 48 / 5240MHz

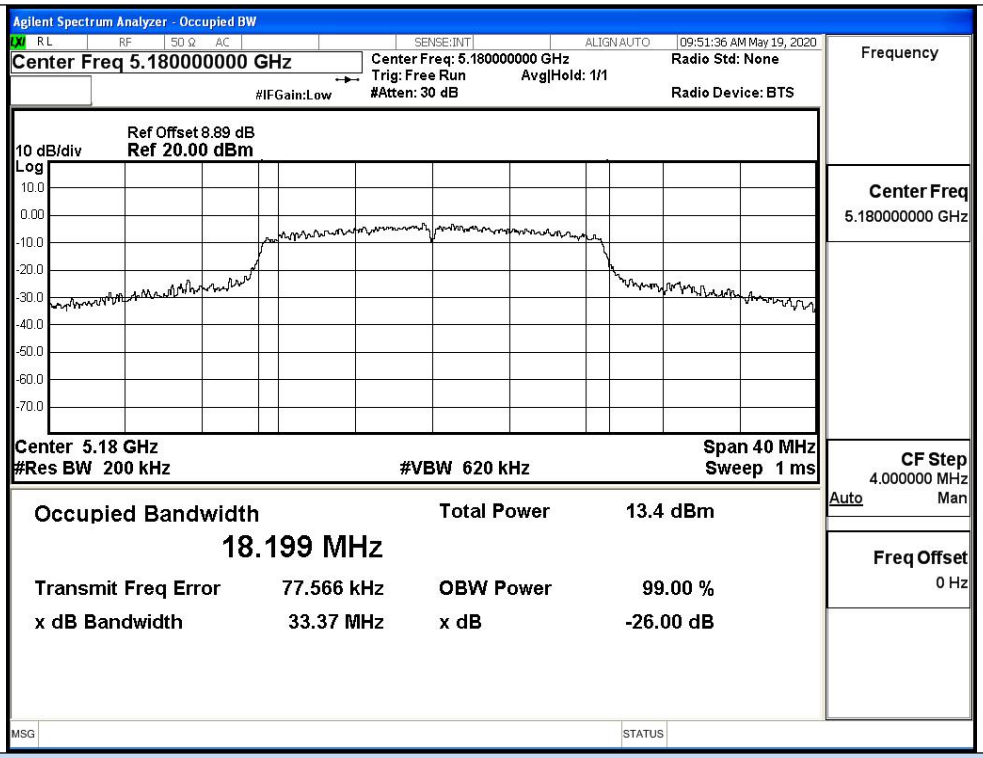
26dB Bandwidth



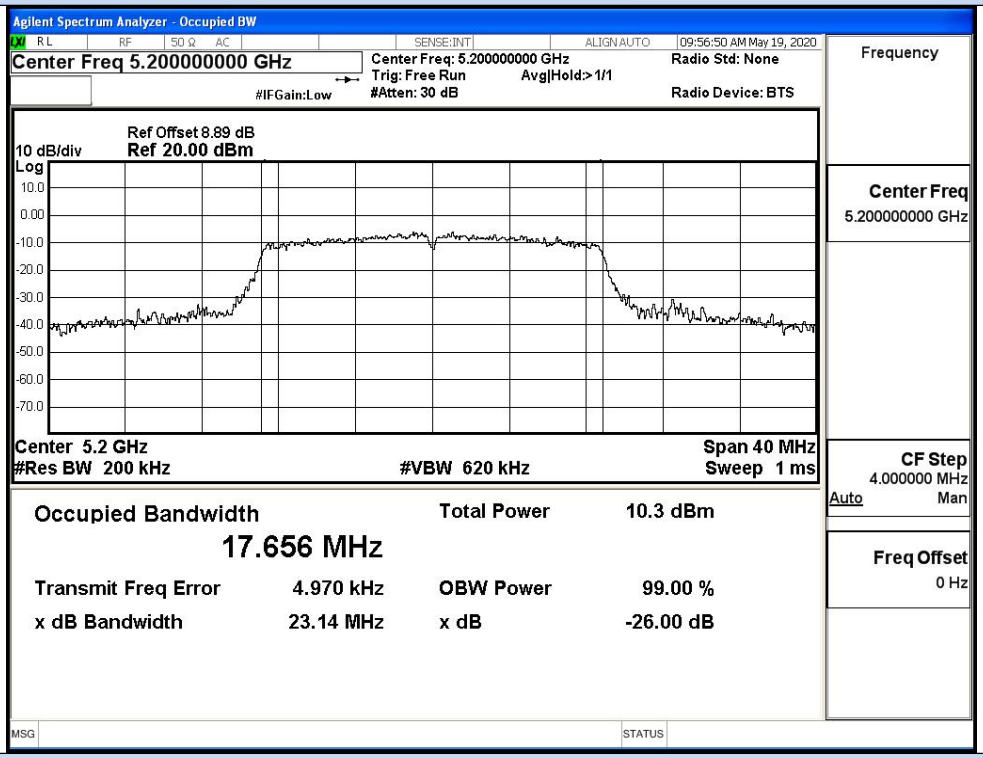

IEEE 802.11n40 / Channel 38 / 5190MHz



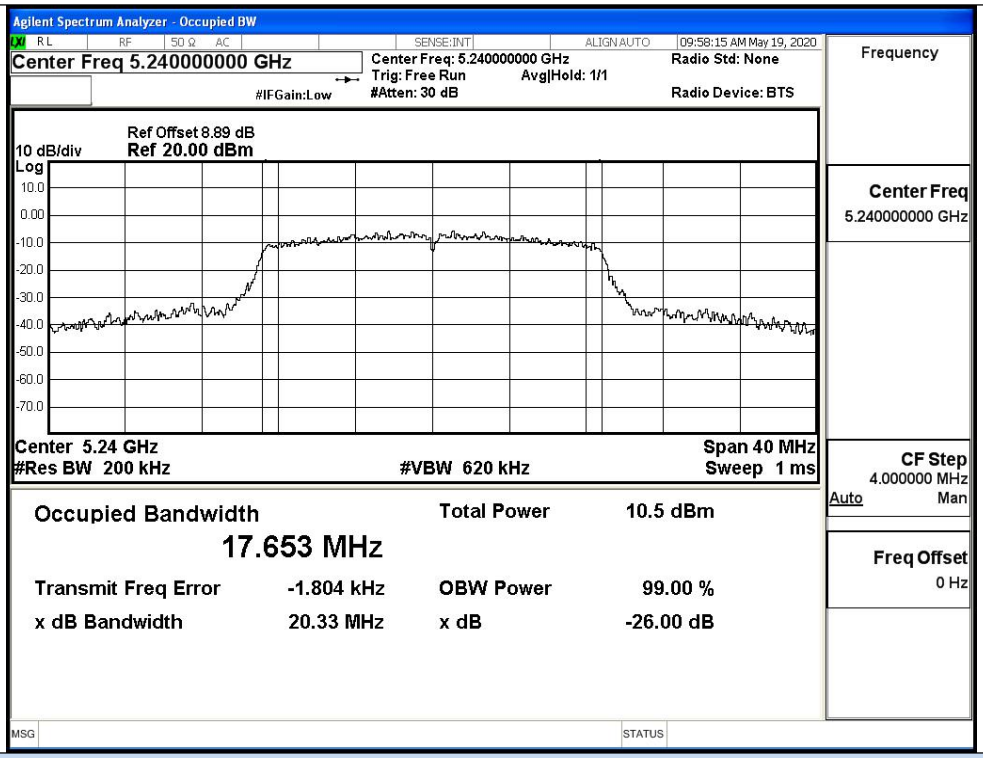

IEEE 802.11n40 / Channel 46 / 5230MHz



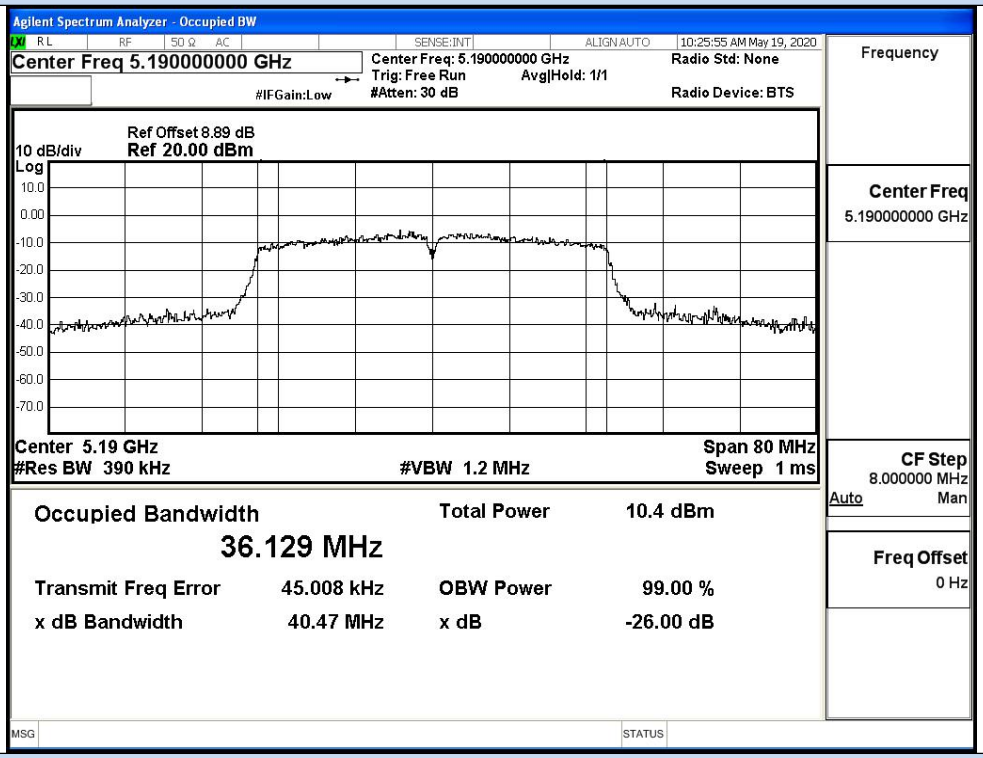

IEEE 802.11ac20 / Channel 36 / 5180MHz



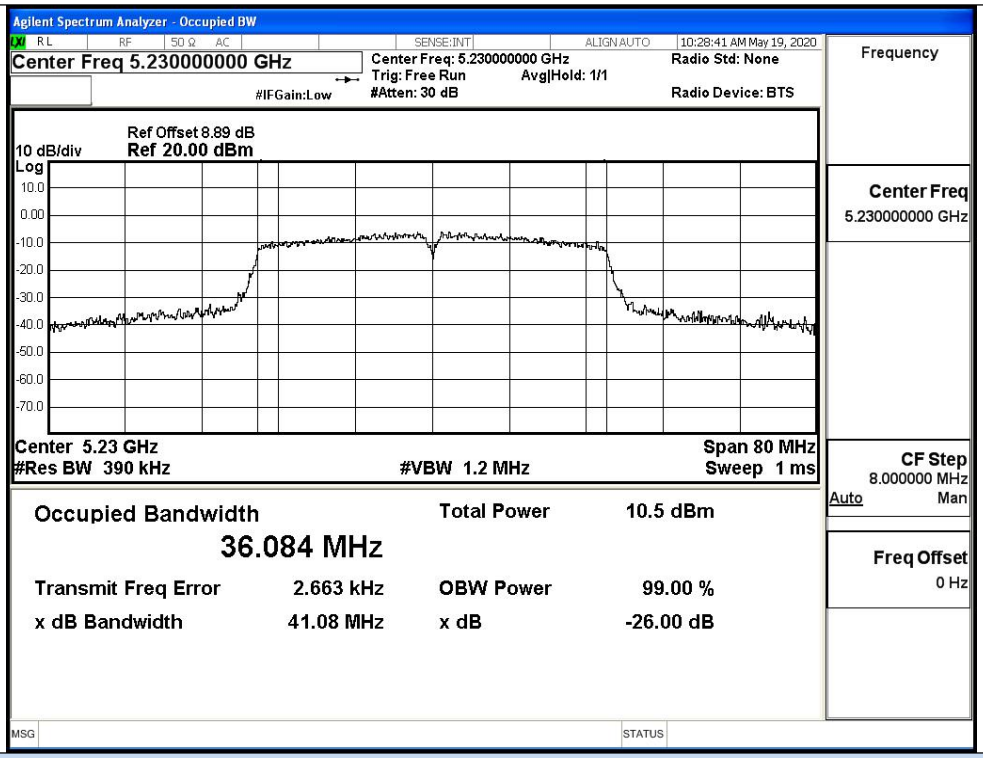

IEEE 802.11ac20 / Channel 40 / 5200MHz




IEEE 802.11ac20 / Channel 48 / 5240MHz




IEEE 802.11ac40 / Channel 38 / 5190MHz

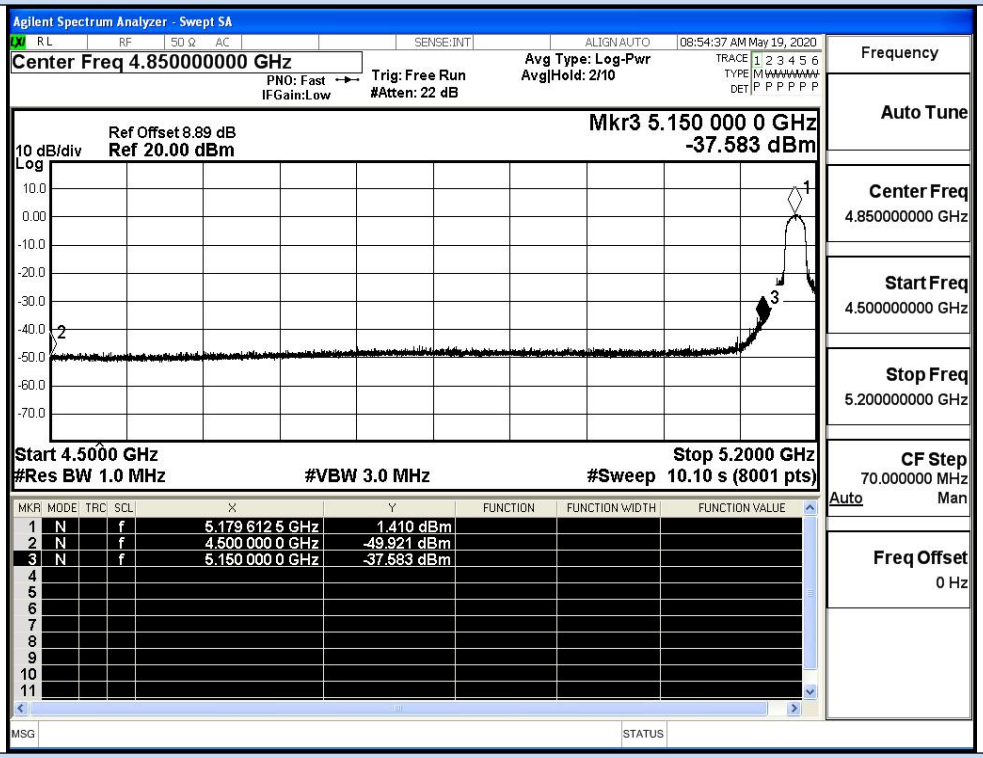



IEEE 802.11ac40 / Channel 46 / 5230MHz

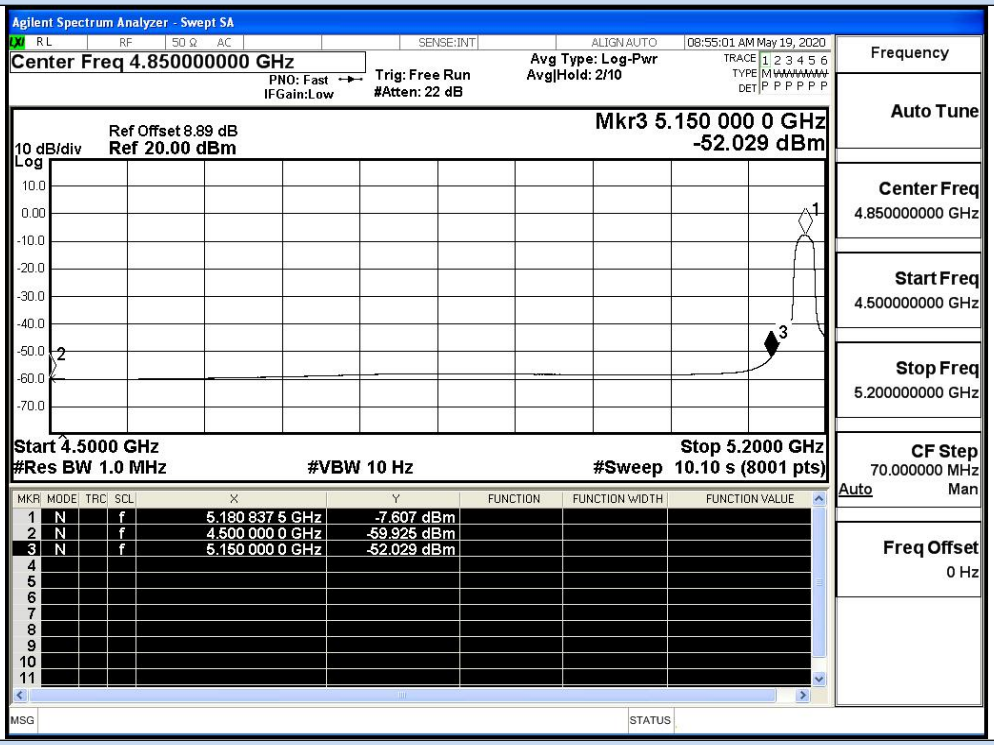
## D.5 Undesirable Emissions Measurement

| Test Mode | Channel | Frequency (MHz) | Conducted Power (dBm) | Antenna Gain (dBi) | Ground Reflection Factor (dB) | Covert Radiated E Level At 3m (dBuV/m) | Detector | Limit (dBuV/m) | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| 11A | 36 | 4500.0 | -49.92 | 2.00 | 0 | 47.31 | Peak | 68.20 | Pass |
| | | 4500.0 | -59.93 | 2.00 | 0 | 37.30 | Average | 54.00 | Pass |
| | | 5150.0 | -37.58 | 2.00 | 0 | 59.65 | Peak | 68.20 | Pass |
| | | 5150.0 | -52.03 | 2.00 | 0 | 45.20 | Average | 54.00 | Pass |
| | 48 | 5350.0 | -49.07 | 2.00 | 0 | 48.16 | Peak | 68.20 | Pass |
| | | 5350.0 | -59.49 | 2.00 | 0 | 37.74 | Average | 54.00 | Pass |
| | | 5460.0 | -49.48 | 2.00 | 0 | 47.75 | Peak | 68.20 | Pass |
| | | 5460.0 | -59.84 | 2.00 | 0 | 37.39 | Average | 54.00 | Pass |
| 11N20 SISO | 36 | 4500.0 | -50.07 | 2.00 | 0 | 47.16 | Peak | 68.20 | Pass |
| | | 4500.0 | -59.71 | 2.00 | 0 | 37.52 | Average | 54.00 | Pass |
| | | 5150.0 | -48.32 | 2.00 | 0 | 48.91 | Peak | 68.20 | Pass |
| | | 5150.0 | -57.85 | 2.00 | 0 | 39.38 | Average | 54.00 | Pass |
| | 48 | 5350.0 | -48.90 | 2.00 | 0 | 48.33 | Peak | 68.20 | Pass |
| | | 5350.0 | -59.57 | 2.00 | 0 | 37.66 | Average | 54.00 | Pass |
| | | 5460.0 | -49.00 | 2.00 | 0 | 48.23 | Peak | 68.20 | Pass |
| | | 5460.0 | -59.62 | 2.00 | 0 | 37.61 | Average | 54.00 | Pass |
| 11N40 SISO | 38 | 4500.0 | -48.35 | 2.00 | 0 | 48.88 | Peak | 68.20 | Pass |
| | | 4500.0 | -59.74 | 2.00 | 0 | 37.49 | Average | 54.00 | Pass |
| | | 5150.0 | -48.13 | 2.00 | 0 | 49.10 | Peak | 68.20 | Pass |
| | | 5150.0 | -57.33 | 2.00 | 0 | 39.90 | Average | 54.00 | Pass |
| | 46 | 5350.0 | -48.74 | 2.00 | 0 | 48.49 | Peak | 68.20 | Pass |
| | | 5350.0 | -59.27 | 2.00 | 0 | 37.96 | Average | 54.00 | Pass |
| | | 5460.0 | -49.28 | 2.00 | 0 | 47.95 | Peak | 68.20 | Pass |
| | | 5460.0 | -59.33 | 2.00 | 0 | 37.90 | Average | 54.00 | Pass |
| 11AC20 SISO | 36 | 4500.0 | -48.72 | 2.00 | 0 | 48.51 | Peak | 68.20 | Pass |
| | | 4500.0 | -59.70 | 2.00 | 0 | 37.53 | Average | 54.00 | Pass |
| | | 5150.0 | -46.90 | 2.00 | 0 | 50.33 | Peak | 68.20 | Pass |
| | | 5150.0 | -57.81 | 2.00 | 0 | 39.42 | Average | 54.00 | Pass |
| | 48 | 4500.0 | -48.72 | 2.00 | 0 | 48.51 | Peak | 68.20 | Pass |
| | | 4500.0 | -59.70 | 2.00 | 0 | 37.53 | Average | 54.00 | Pass |
| | | 5150.0 | -46.90 | 2.00 | 0 | 50.33 | Peak | 68.20 | Pass |
| | | 5150.0 | -57.81 | 2.00 | 0 | 39.42 | Average | 54.00 | Pass |
| 11AC40 SISO | 38 | 4500.0 | -49.99 | 2.00 | 0 | 47.24 | Peak | 68.20 | Pass |
| | | 4500.0 | -59.74 | 2.00 | 0 | 37.49 | Average | 54.00 | Pass |
| | | 5150.0 | -48.07 | 2.00 | 0 | 49.16 | Peak | 68.20 | Pass |
| | | 5150.0 | -57.43 | 2.00 | 0 | 39.80 | Average | 54.00 | Pass |
| | 46 | 5350.0 | -49.39 | 2.00 | 0 | 47.84 | Peak | 68.20 | Pass |
| | | 5350.0 | -59.29 | 2.00 | 0 | 37.94 | Average | 54.00 | Pass |
| | | 5460.0 | -49.64 | 2.00 | 0 | 47.59 | Peak | 68.20 | Pass |
| | | 5460.0 | -59.41 | 2.00 | 0 | 37.82 | Average | 54.00 | Pass |

## Undesirable Emissions Measurement

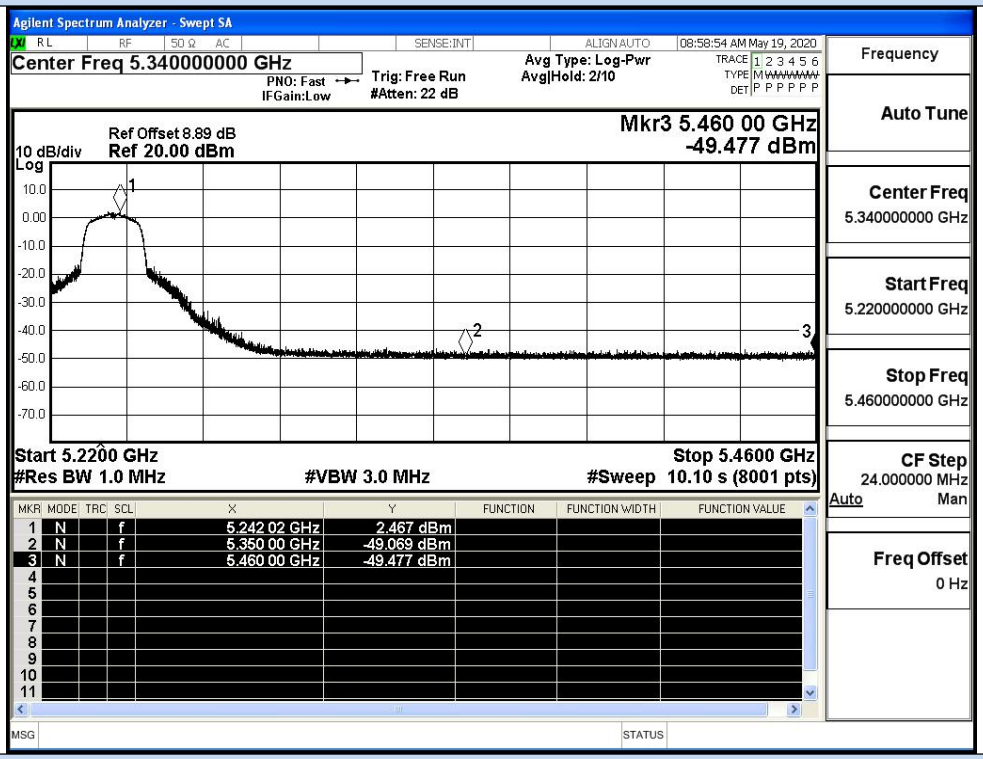



## IEEE 802.11a / Channel 36 / 5180MHz / Peak

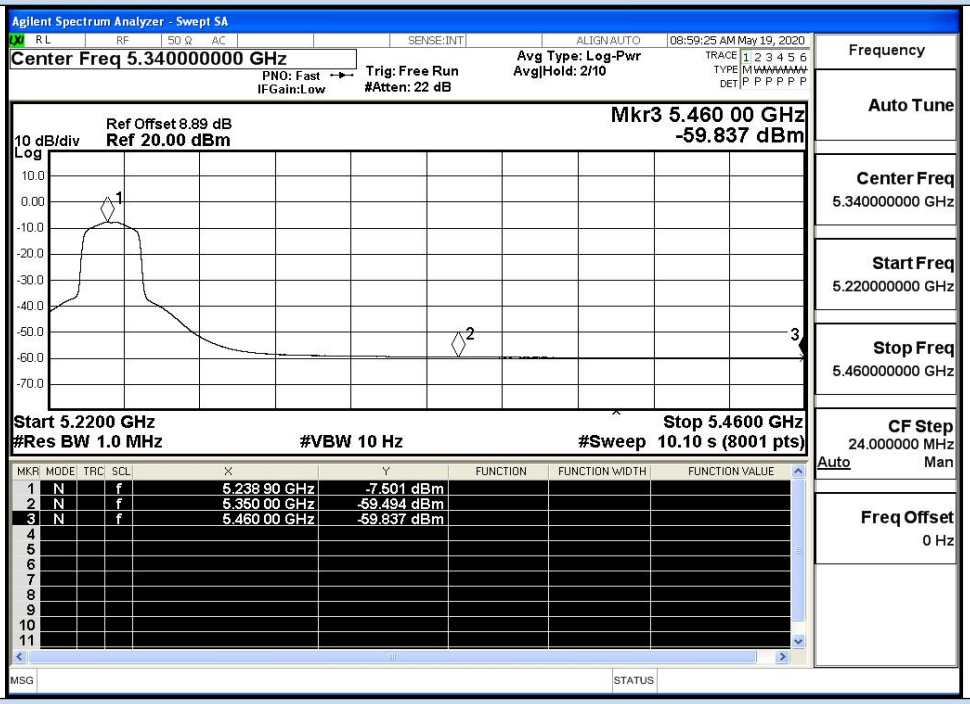



## IEEE 802.11a / Channel 36 / 5180MHz / Average

## Undesirable Emissions Measurement

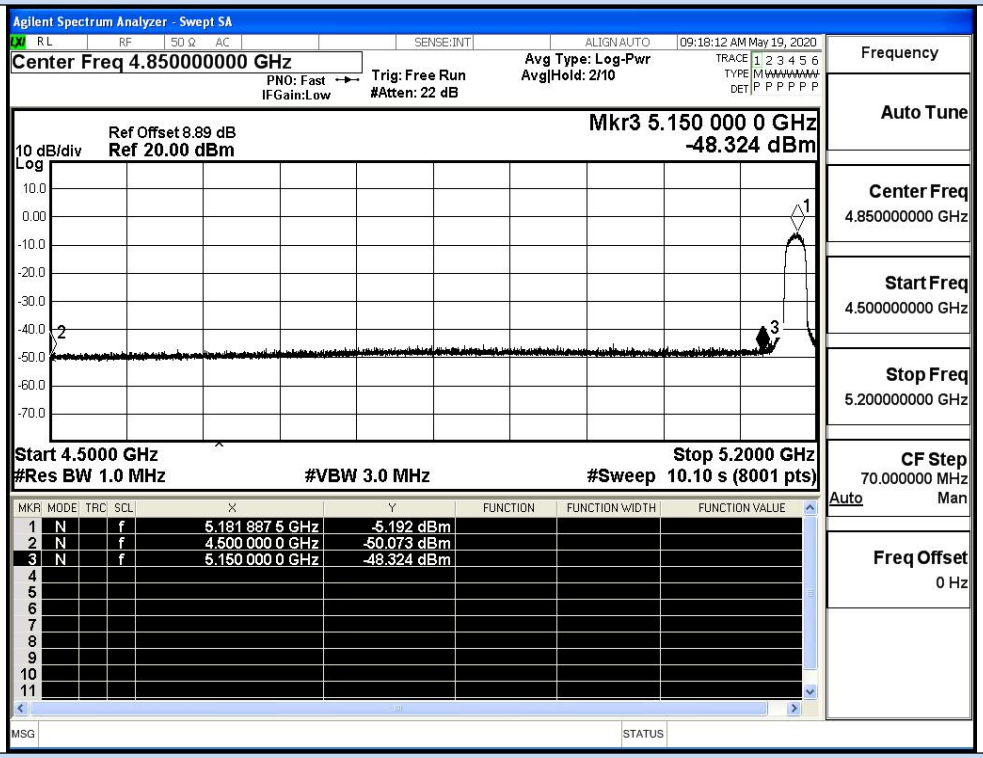



## IEEE 802.11a / Channel 48 / 5240MHz / Peak

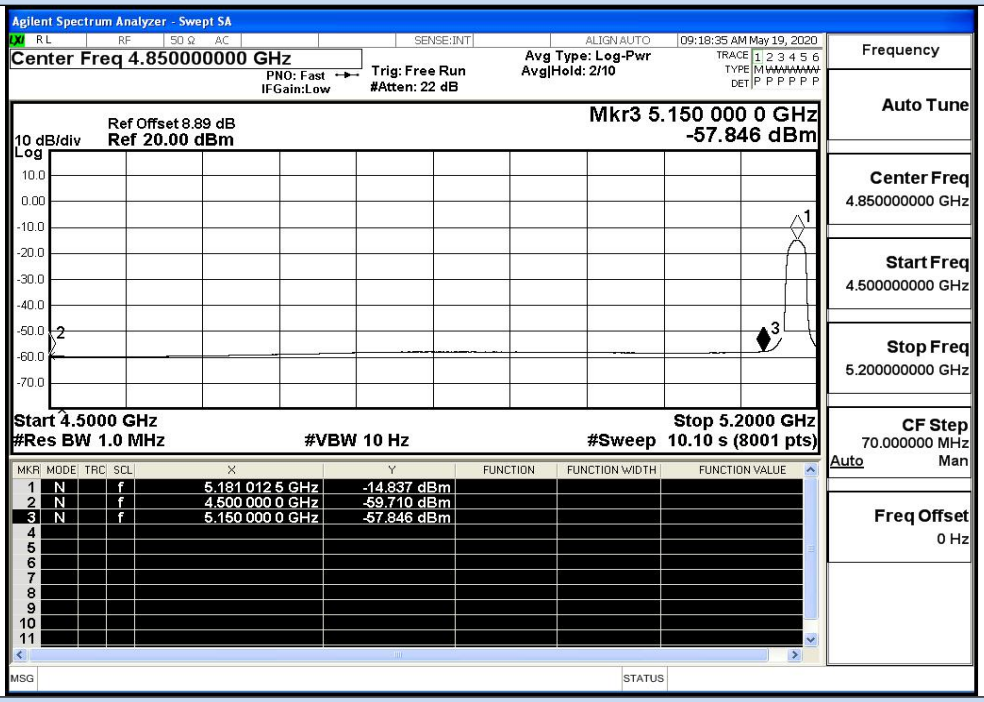



## IEEE 802.11a / Channel 48 / 5240MHz / Average

Undesirable Emissions Measurement

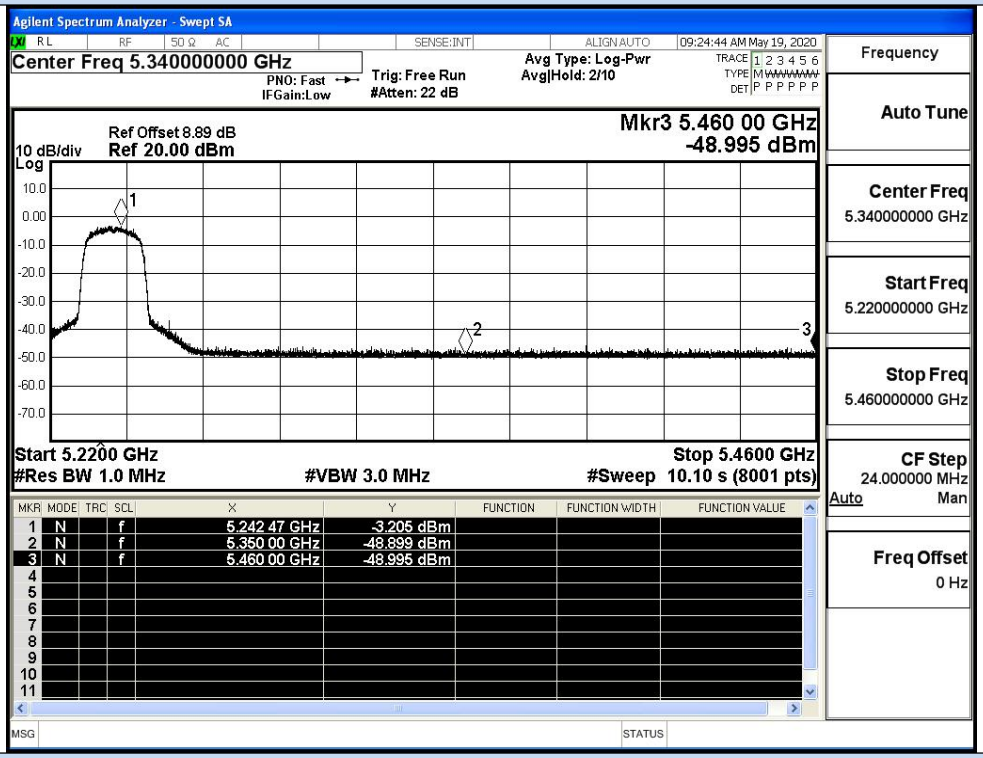



IEEE 802.11n20 / Channel 36 / 5180MHz / Peak

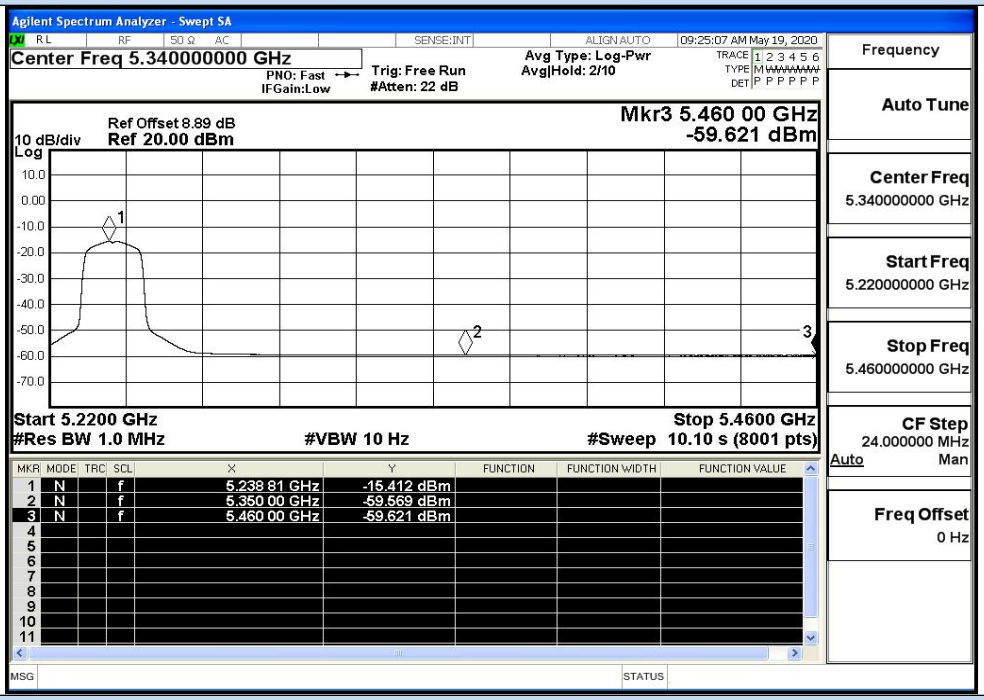



IEEE 802.11n20 / Channel 36 / 5180MHz / Average

Undesirable Emissions Measurement

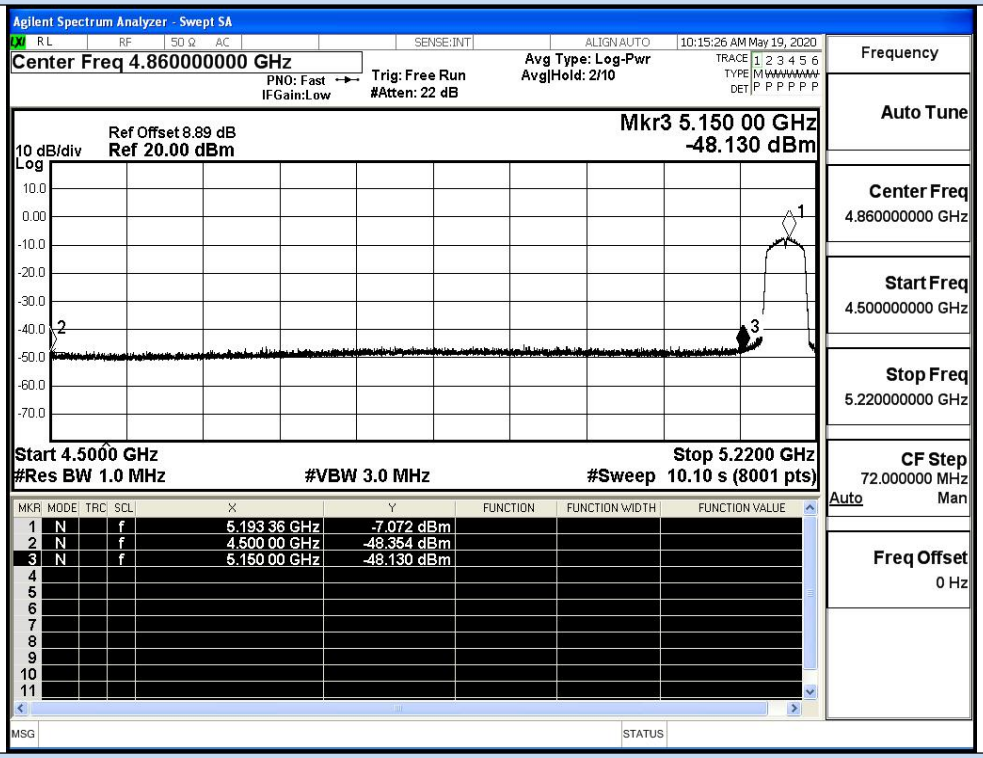



IEEE 802.11n20 / Channel 48 / 5240MHz / Peak

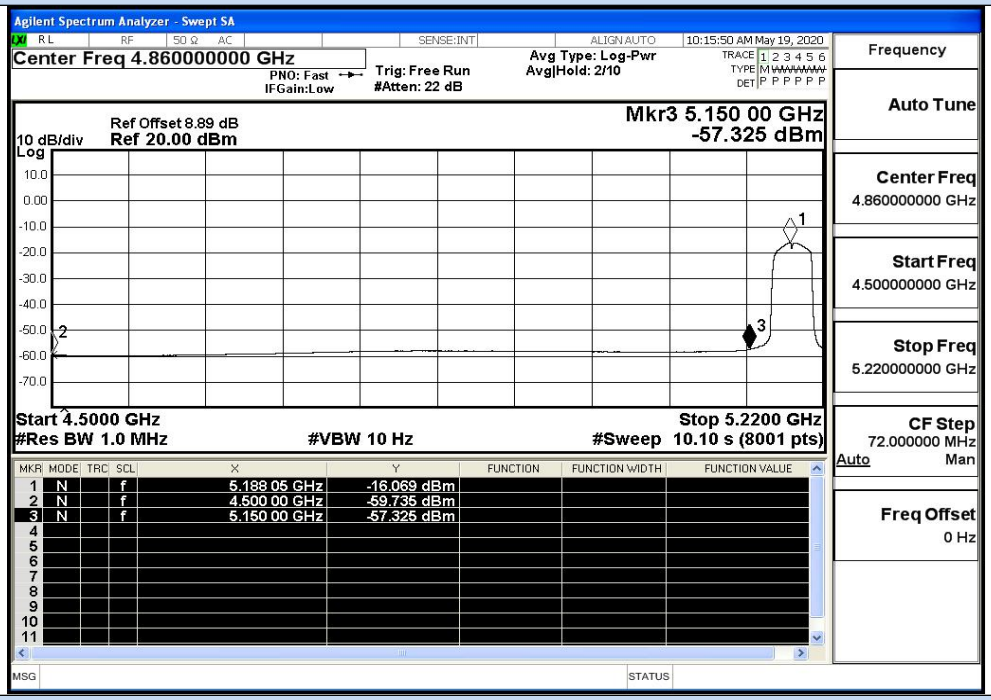



IEEE 802.11n20 / Channel 48 / 5240MHz / Average

## Undesirable Emissions Measurement

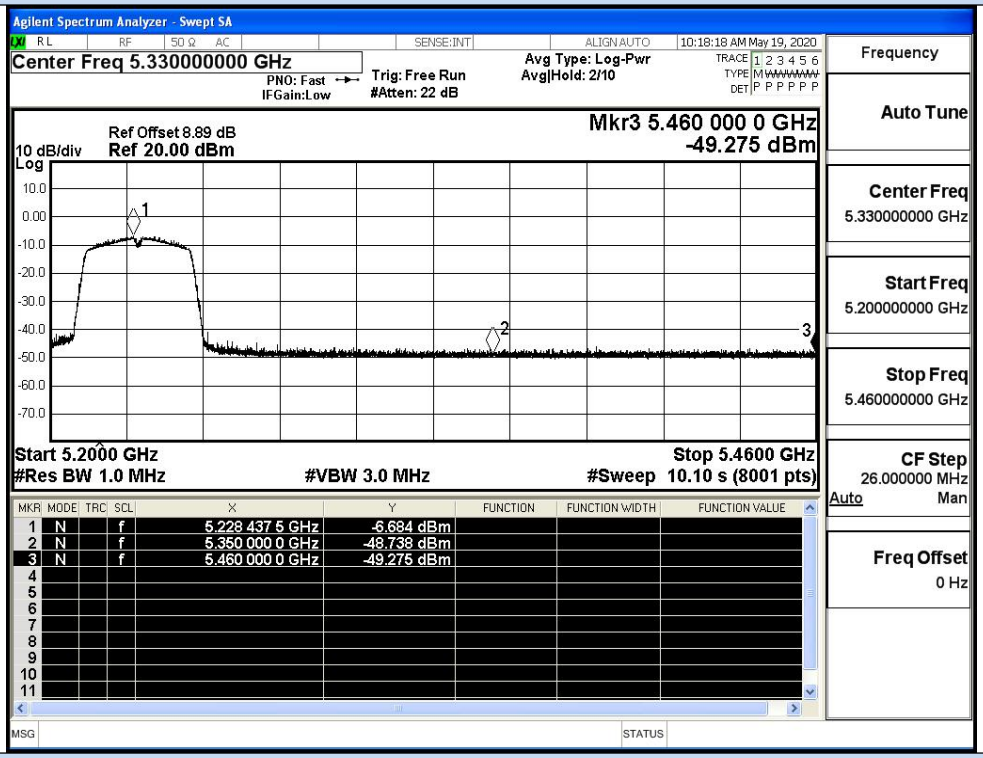



IEEE 802.11n40 / Channel 38 / 5190MHz / Peak

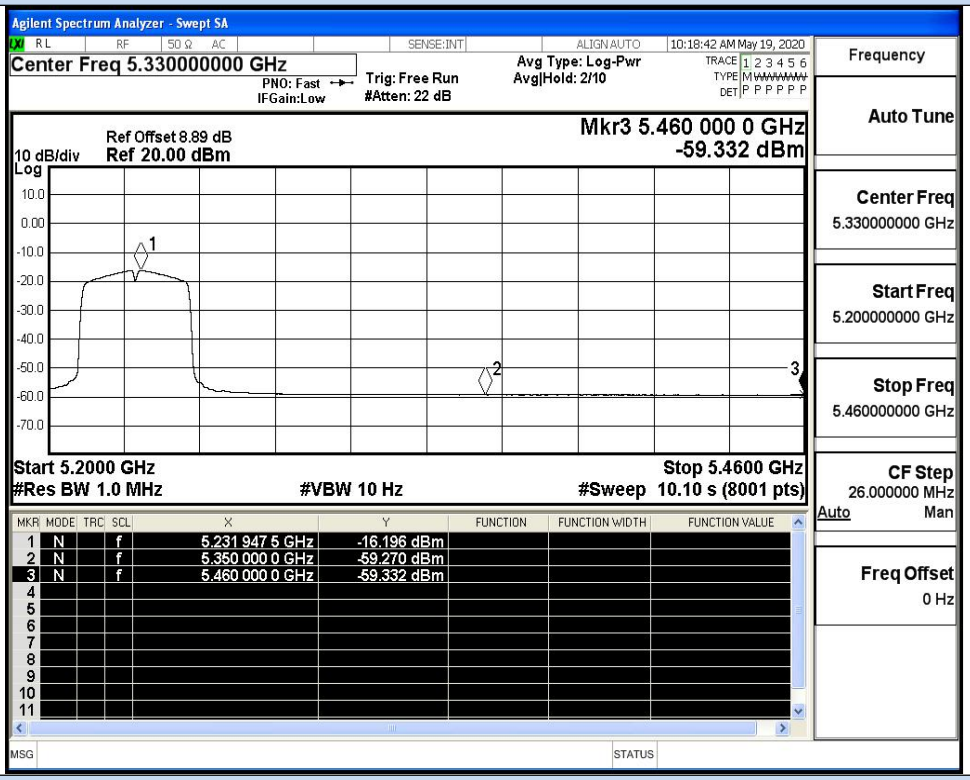



IEEE 802.11n40 / Channel 38 / 5190MHz / Average

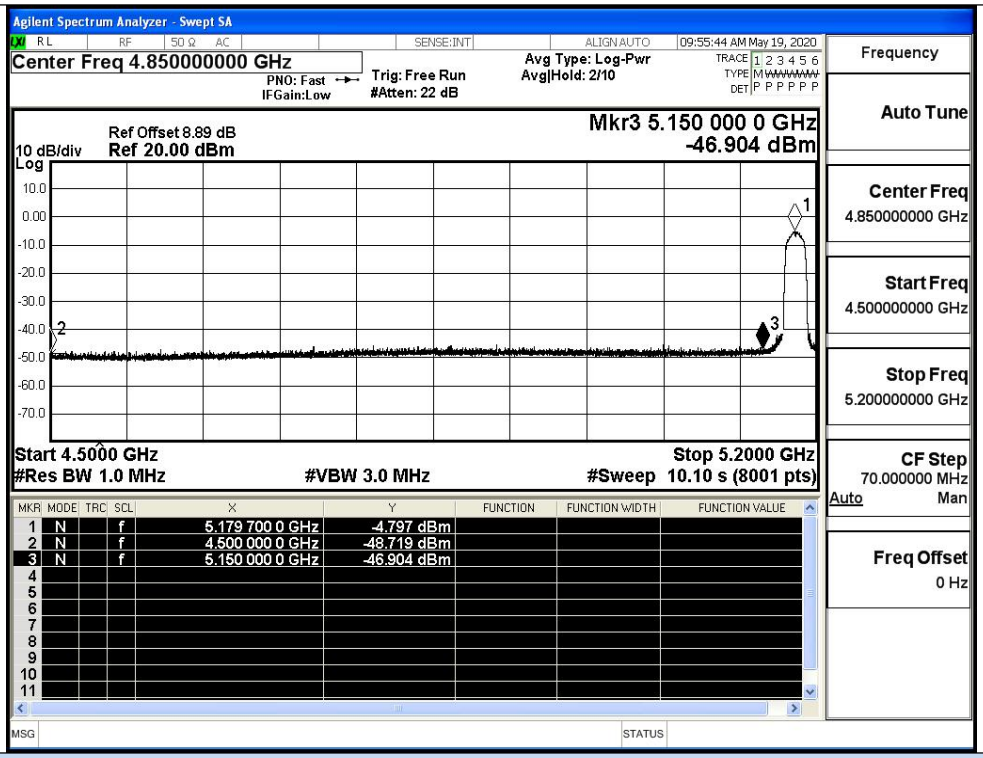
## Undesirable Emissions Measurement



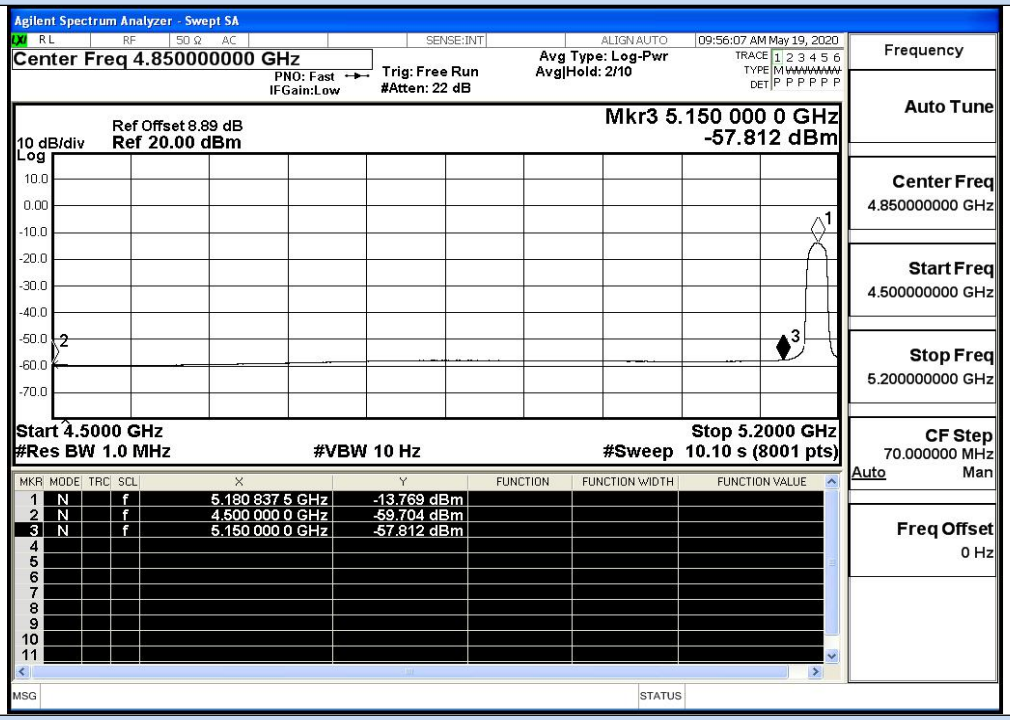

## IEEE 802.11n40 / Channel 46 / 5230MHz / Peak



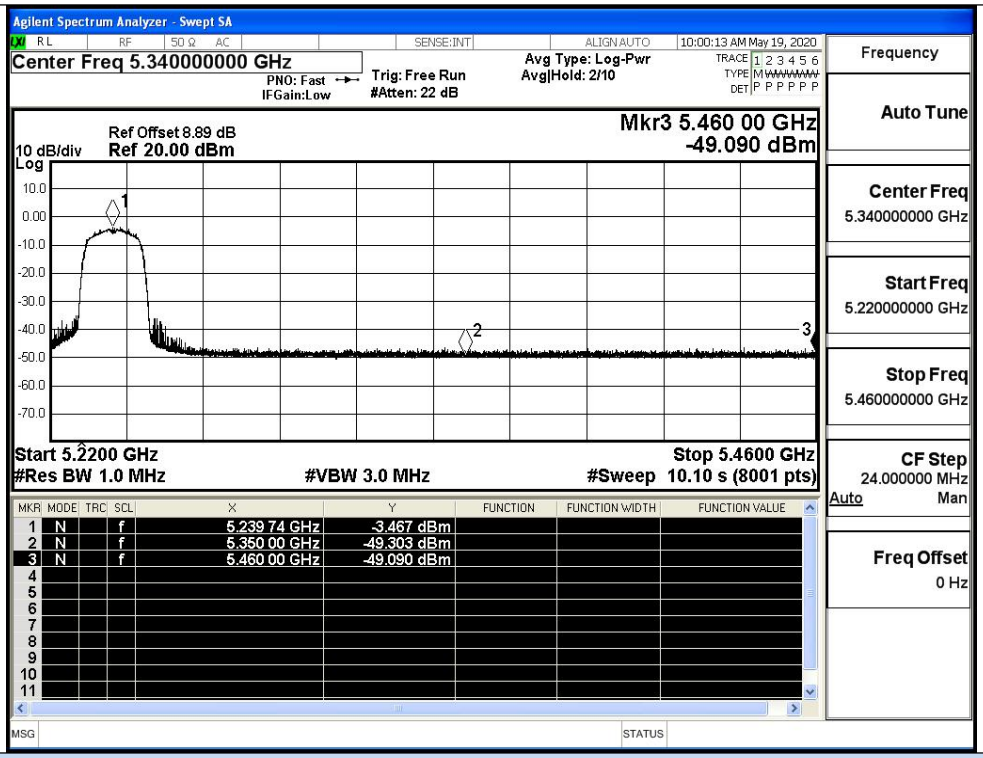

## IEEE 802.11n40 / Channel 46 / 5230MHz / Average



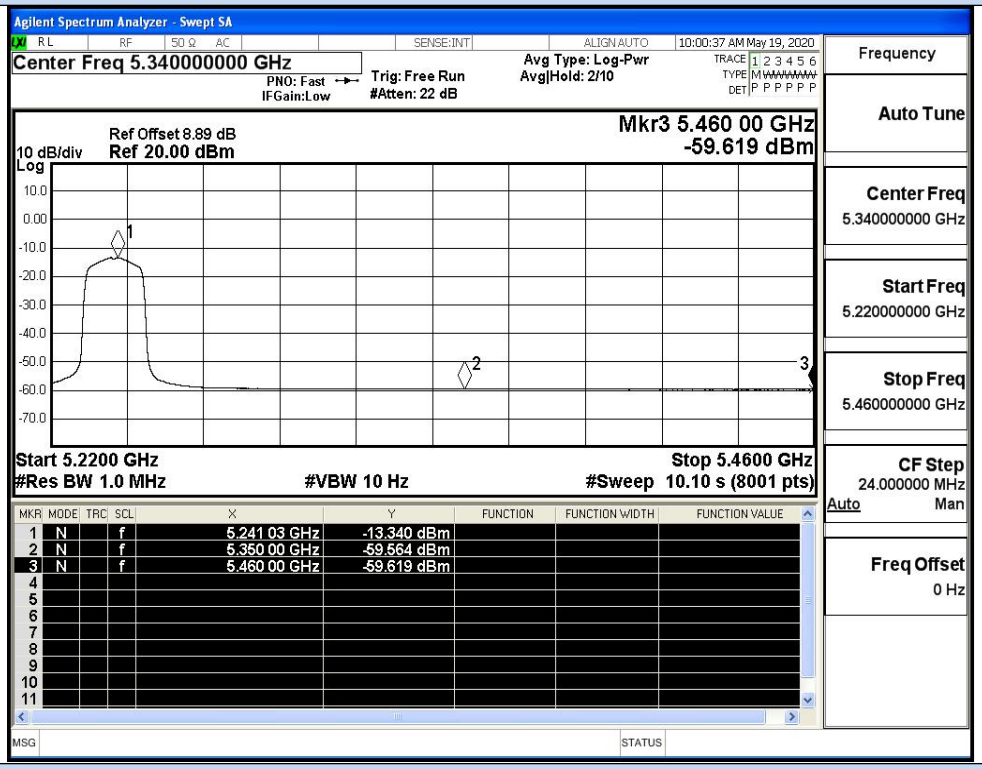

IEEE 802.11ac20 / Channel 36 / 5180MHz / Peak



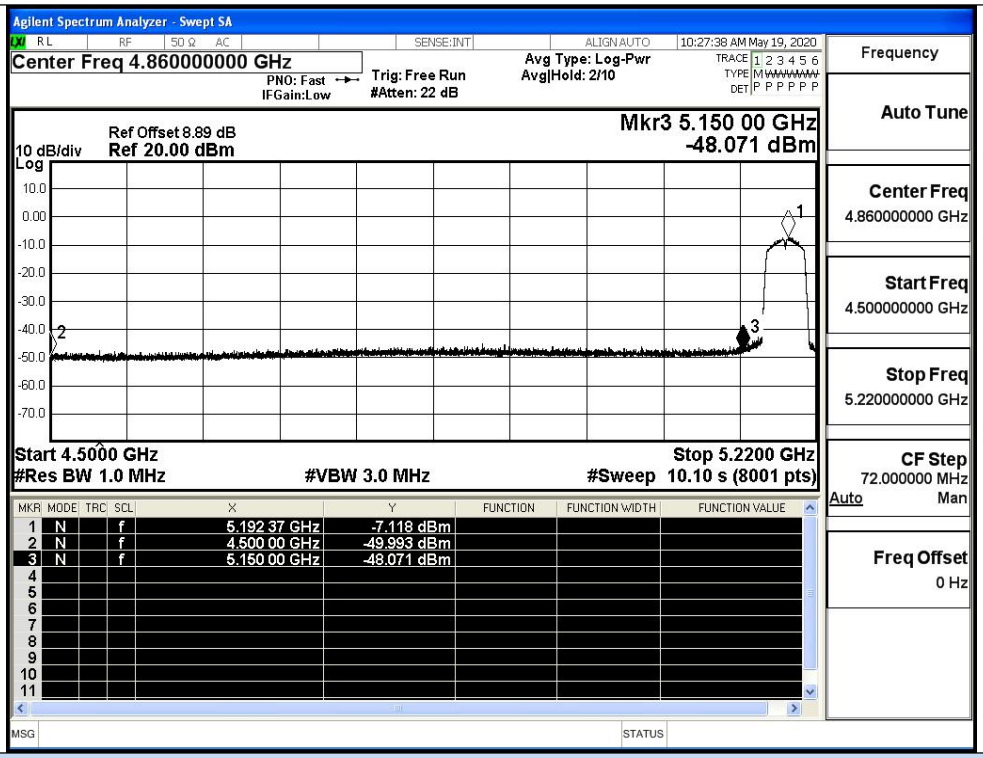

IEEE 802.11ac20 / Channel 36 / 5180MHz / Average



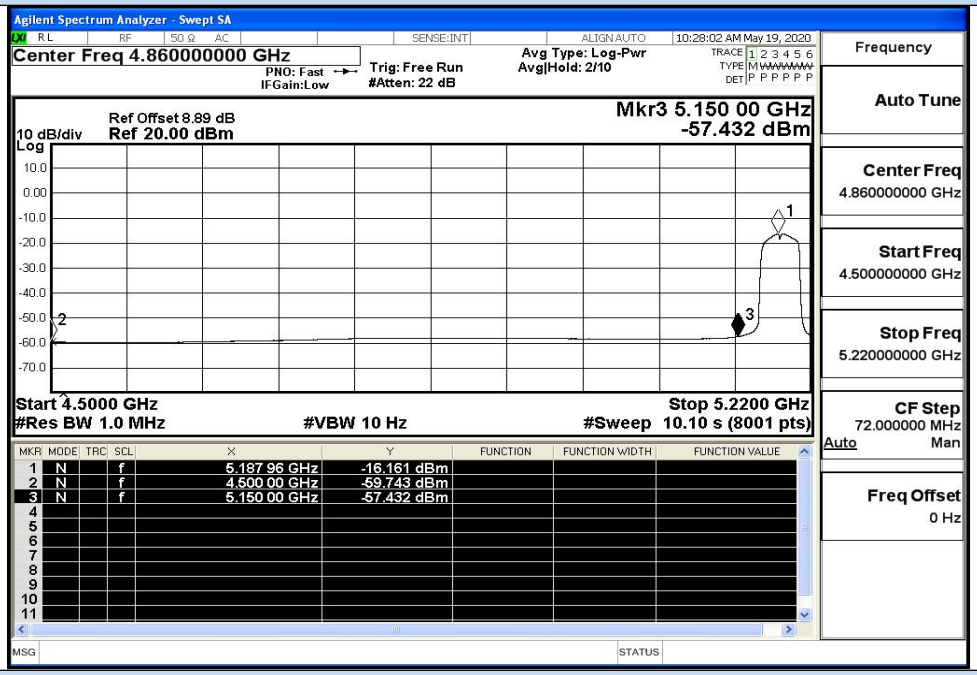

IEEE 802.11ac20 / Channel 48 / 5240MHz / Peak



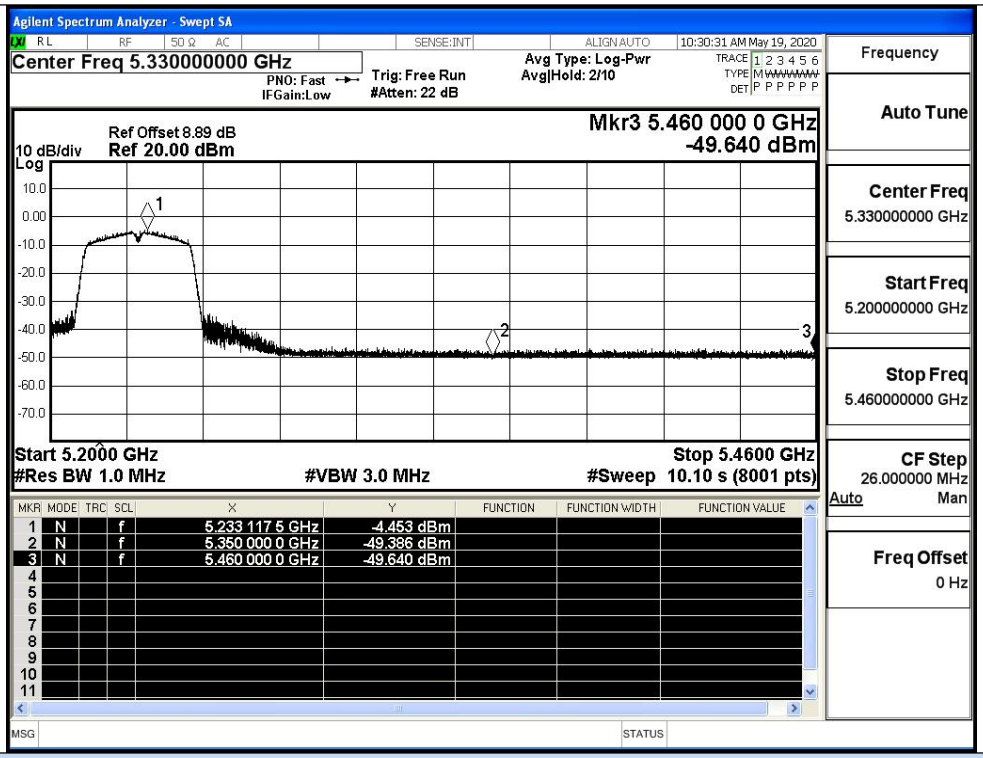

IEEE 802.11ac20 / Channel 48 / 5240MHz / Average



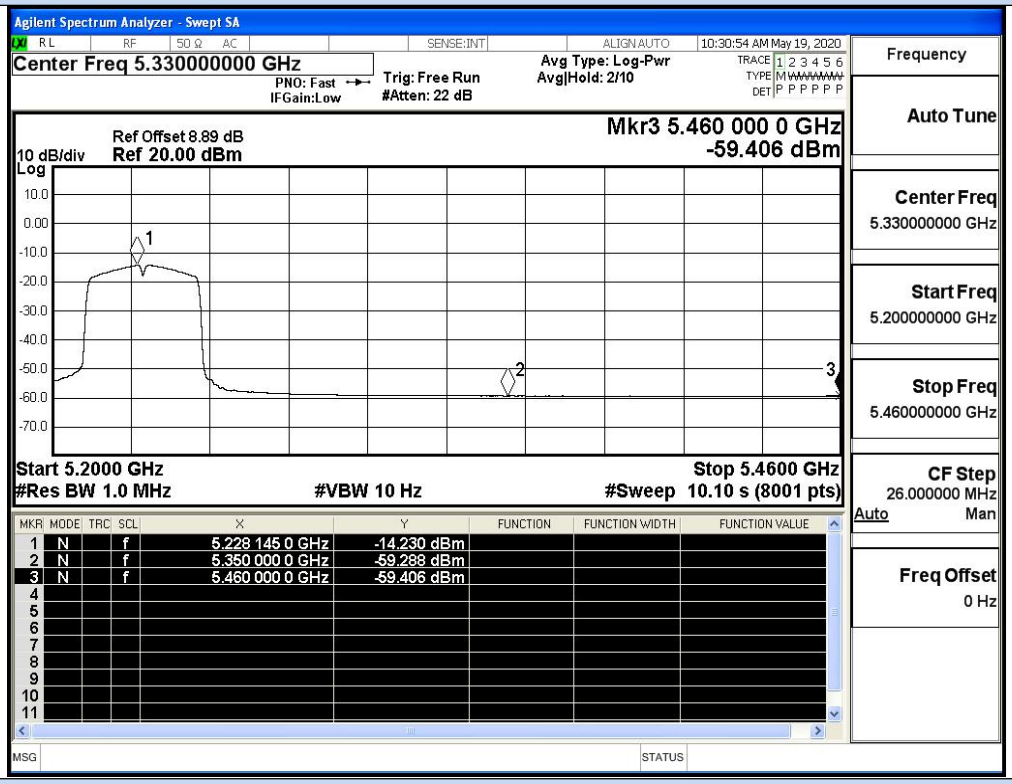

IEEE 802.11ac40 / Channel 38/ 5190MHz / Peak




IEEE 802.11ac40 / Channel 38 / 5190MHz / Average




IEEE 802.11ac40 / Channel 46/ 5230MHz / Peak




IEEE 802.11ac40 / Channel 46 / 5230MHz / Average