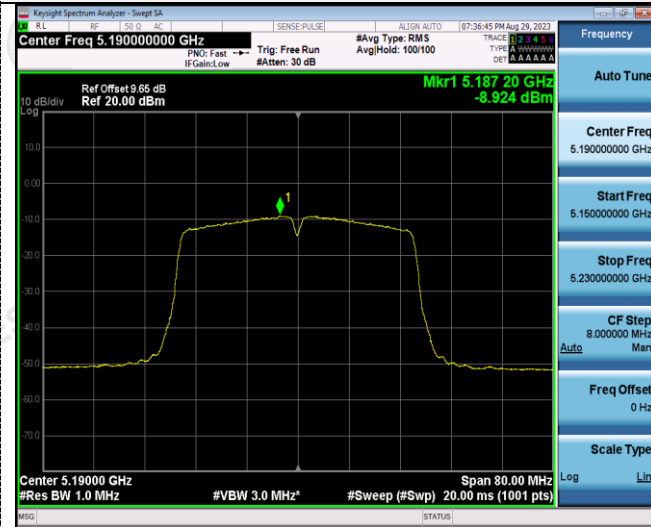


802.11n(HT40)

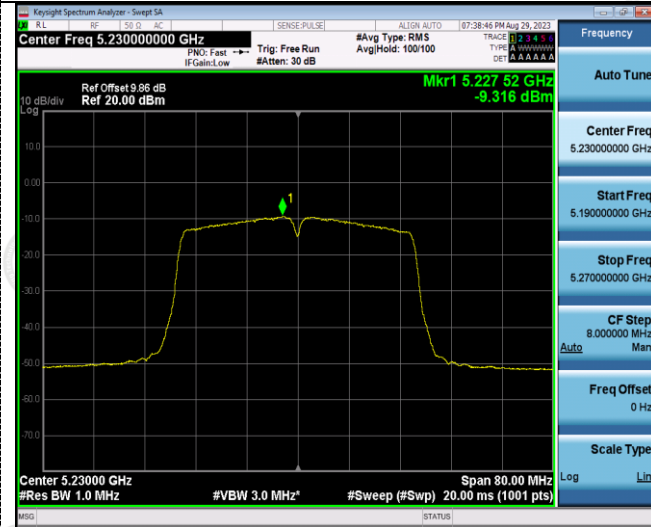
U-NII 1



U-NII 3



CH38



CH151

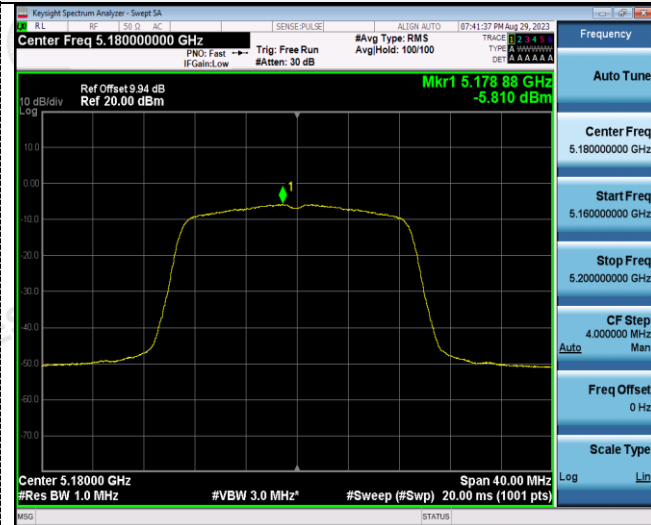


CH46

CH159

802.11ac(HT20)

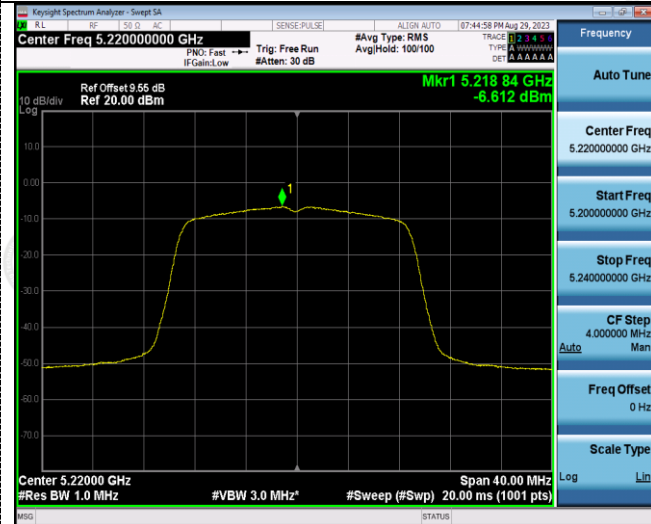
U-NII 1



U-NII 3



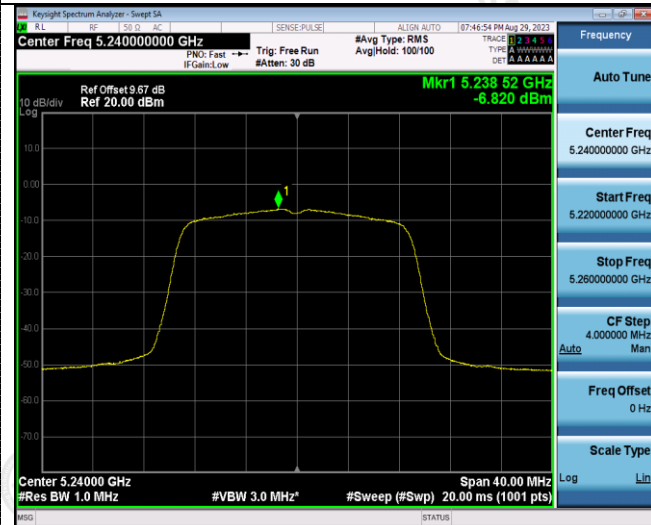
CH36



CH149



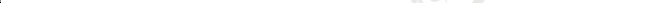
CH40



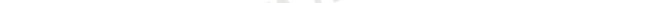
CH157



CH48



CH165



802.11ac(HT40)

U-NII 1



U-NII 3



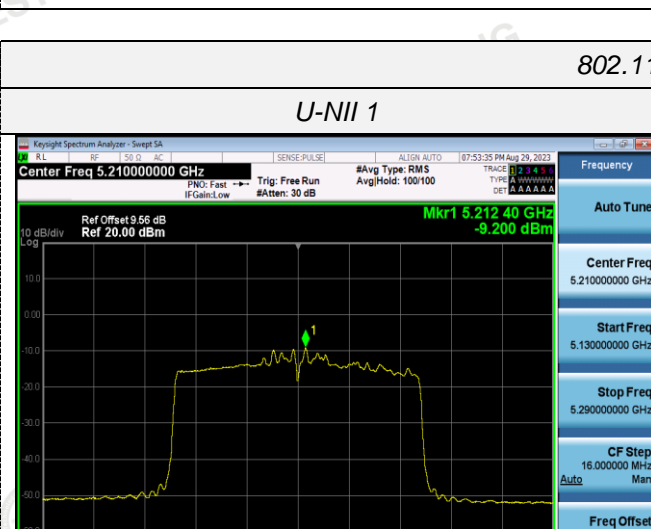
CH38



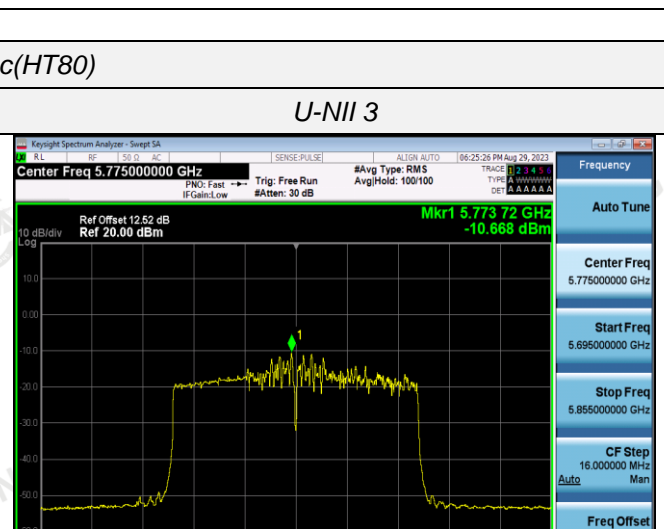
CH151



CH46



CH159

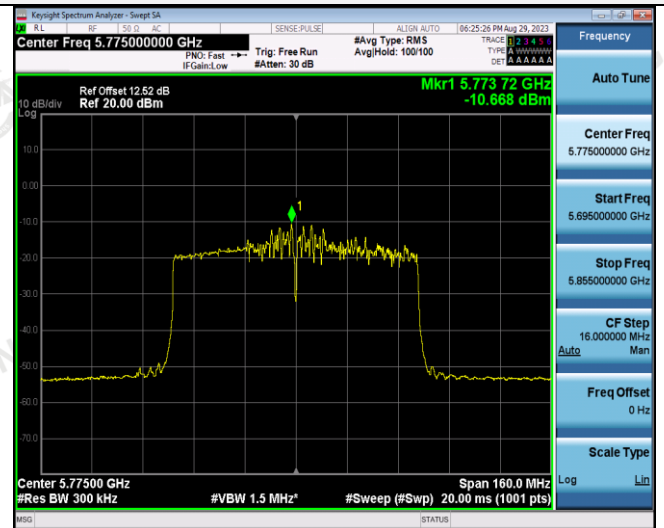


802.11ac(HT80)

U-NII 1



U-NII 3



CH42

CH155

4.5 Emission Bandwidth (26dB Bandwidth)

Limit

N/A

Test Procedure

1. Set resolution bandwidth (RBW) = approximately 1 % of the EBW.
2. Set the video bandwidth (VBW) > RBW.
3. Detector = Peak.
4. Trace mode = Max hold.
5. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW / EBW ratio is approximately 1 %.

Test Configuration



Test Results

ANT 1

| Type | Bands | Channel | 26dB Bandwidth (MHz) | Limit (MHz) | Result |
|----------------|---------|---------|----------------------|-------------|--------|
| 802.11a | U-NII 1 | 36 | 20.000 | N/A | Pass |
| | | 44 | 19.560 | | |
| | | 48 | 19.400 | | |
| 802.11n(HT20) | U-NII 1 | 36 | 20.080 | | |
| | | 44 | 20.160 | | |
| | | 48 | 20.000 | | |
| 802.11n(HT40) | U-NII 1 | 38 | 39.920 | | |
| | | 46 | 39.440 | | |
| 802.11ac(HT20) | U-NII 1 | 36 | 20.000 | | |
| | | 44 | 20.080 | | |
| | | 48 | 19.920 | | |
| 802.11ac(HT40) | U-NII 1 | 38 | 39.520 | | |
| | | 46 | 39.760 | | |
| 802.11ac(HT80) | U-NII 1 | 42 | 79.360 | | |

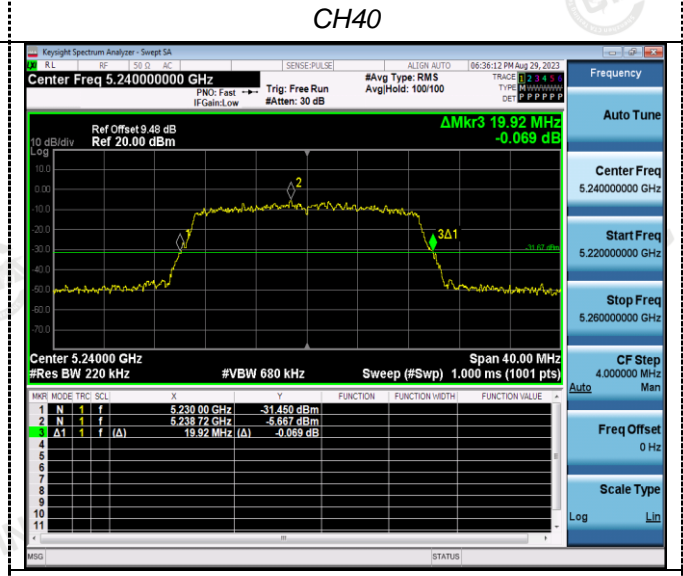
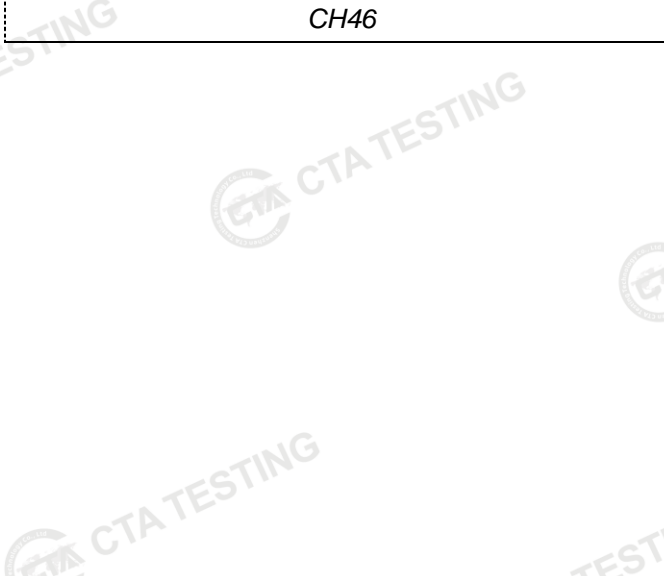
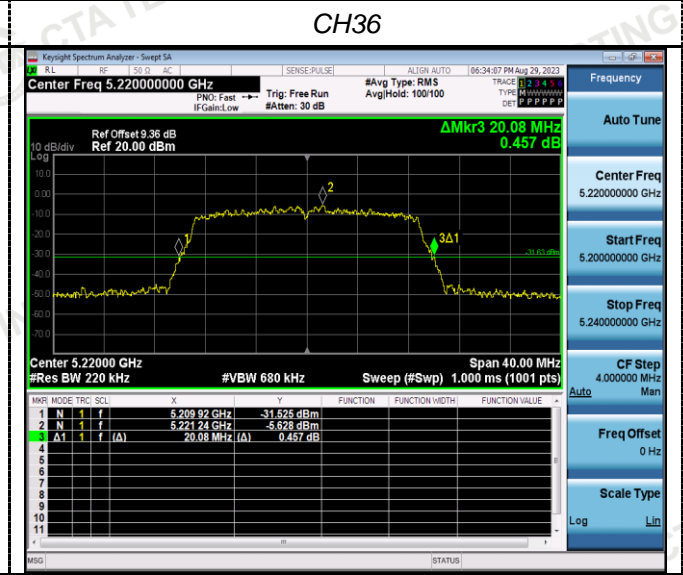
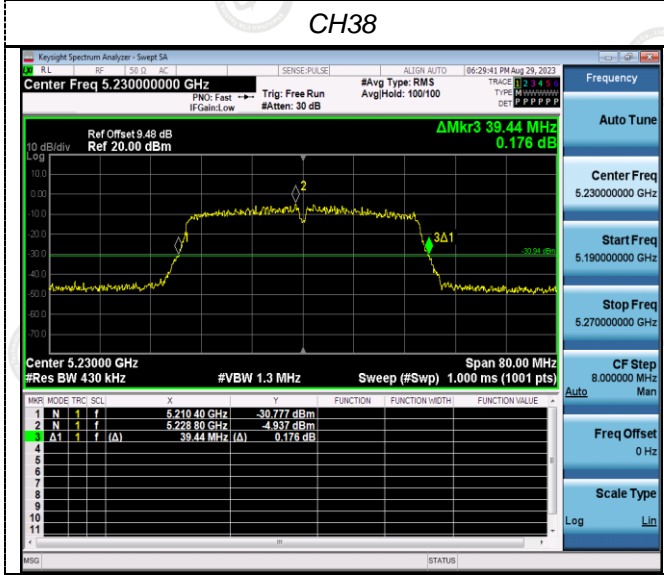
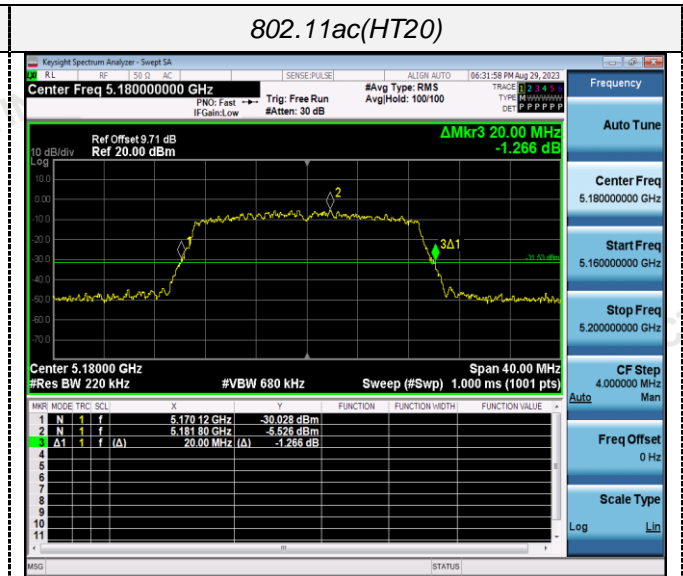
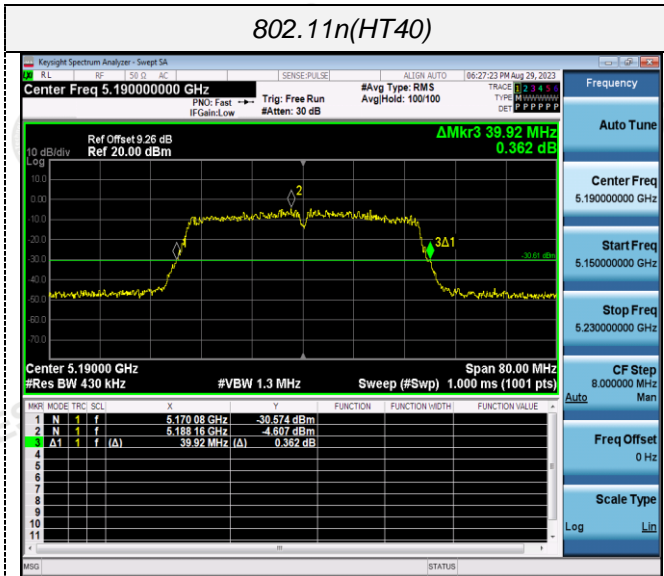
ANT 2

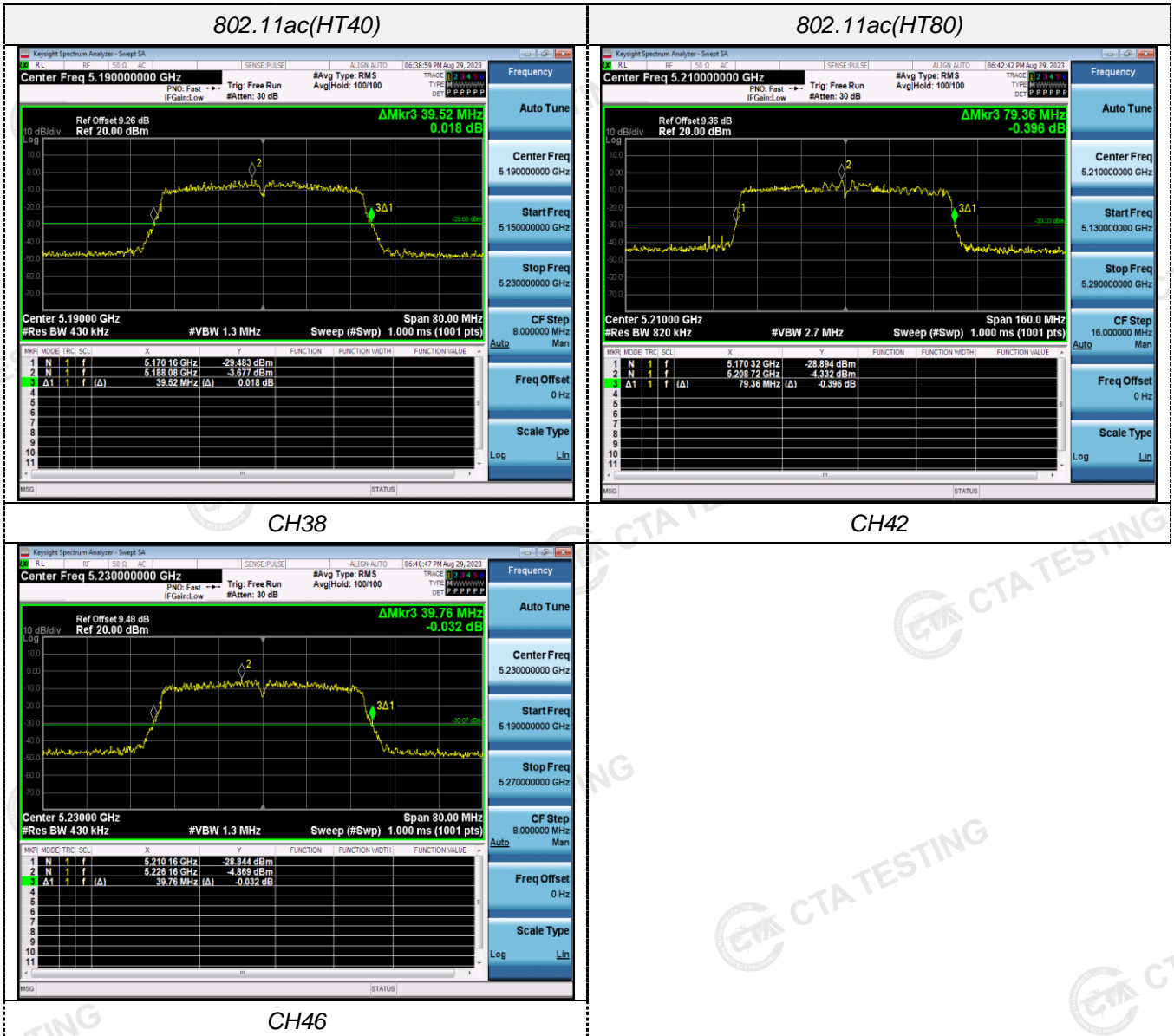
| Type | Bands | Channel | 26dB Bandwidth (MHz) | Limit (MHz) | Result |
|----------------|---------|---------|----------------------|-------------|--------|
| 802.11a | U-NII 1 | 36 | 19.600 | N/A | Pass |
| | | 44 | 19.400 | | |
| | | 48 | 19.800 | | |
| 802.11n(HT20) | U-NII 1 | 36 | 19.840 | | |
| | | 44 | 19.760 | | |
| | | 48 | 19.960 | | |
| 802.11n(HT40) | U-NII 1 | 38 | 39.600 | | |
| | | 46 | 39.520 | | |
| 802.11ac(HT20) | U-NII 1 | 36 | 19.560 | | |
| | | 44 | 20.160 | | |
| | | 48 | 20.000 | | |
| 802.11ac(HT40) | U-NII 1 | 38 | 39.360 | | |
| | | 46 | 39.280 | | |
| 802.11ac(HT80) | U-NII 1 | 42 | 80.000 | | |

Test plot as follows:

ANT 1







ANT 2



