# Appendix C

| | |
|---|---|
| Report No.: | CISRR24082921504 |
| FCC ID: | 2BE3U-X1 |
| Product Name: | Bonding Encoder |
| Model No.: | X1 |
| Test Engineer: | Lucas Huang |
| Supervised by: | Rory Huang |

## Frequency Stability

ANT1:

**Test Result**

| Condition | Mode | Ch. | Antenna | Center Frequency (MHz) | Calculated Value of Center Frequency(MHz) | Result (ppm) | Limit (ppm) | State |
|---|---|---|---|---|---|---|---|---|
| NT/NV | IEEE 802.11a | 149 | 1 | 5745.0 | 5745.089425 | 15.57 | Within authorized band | PASS |
| | | 157 | | 5785.0 | 5785.087108 | 15.06 | | PASS |
| | | 165 | | 5825.0 | 5825.145058 | 24.9 | | PASS |
| | IEEE 802.11n_20 | 149 | | 5745.0 | 5745.095258 | 16.58 | | PASS |
| | | 157 | | 5785.0 | 5785.158958 | 27.48 | | PASS |
| | | 165 | | 5825.0 | 5825.160708 | 27.59 | | PASS |
| | IEEE 802.11n_40 | 151 | | 5755.0 | 5755.130792 | 22.73 | | PASS |
| | | 159 | | 5795.0 | 5794.838325 | -27.9 | | PASS |
| | IEEE 802.11ac_20 | 149 | | 5745.0 | 5745.090358 | 15.73 | | PASS |
| | | 157 | | 5785.0 | 5785.155942 | 26.96 | | PASS |
| | | 165 | | 5825.0 | 5825.091308 | 15.68 | | PASS |
| | IEEE 802.11ac_40 | 151 | | 5755.0 | 5754.840125 | -27.78 | | PASS |
| | | 159 | | 5795.0 | 5794.840858 | -27.46 | | PASS |
| | IEEE 802.11ac_80 | 155 | | 5775.0 | 5774.848358 | -26.26 | | PASS |

ANT2:

**Test Result**

| Condition | Mode | Ch. | Antenna | Center Frequency (MHz) | Calculated Value of Center Frequency(MHz) | Result (ppm) | Limit (ppm) | State |
|---|---|---|---|---|---|---|---|---|
| NT/NV | IEEE 802.11a | 149 | 2 | 5745.0 | 5745.087108 | 15.16 | Within authorized band | PASS |
| | | 157 | | 5785.0 | 5785.086275 | 14.91 | | PASS |
| | | 165 | | 5825.0 | 5825.083725 | 14.37 | | PASS |
| | IEEE 802.11n_20 | 149 | | 5745.0 | 5745.153092 | 26.65 | | PASS |
| | | 157 | | 5785.0 | 5785.164858 | 28.5 | | PASS |
| | | 165 | | 5825.0 | 5825.162792 | 27.95 | | PASS |
| | IEEE 802.11n_40 | 151 | | 5755.0 | 5755.091092 | 15.83 | | PASS |
| | | 159 | | 5795.0 | 5795.124308 | 21.45 | | PASS |
| | IEEE 802.11ac_20 | 149 | | 5745.0 | 5745.160475 | 27.93 | | PASS |
| | | 157 | | 5785.0 | 5785.210425 | 36.37 | | PASS |
| | | 165 | | 5825.0 | 5825.152808 | 26.23 | | PASS |
| | IEEE 802.11ac_40 | 151 | | 5755.0 | 5754.839558 | -27.88 | | PASS |
| | | 159 | | 5795.0 | 5794.837025 | -28.12 | | PASS |
| | IEEE 802.11ac_80 | 155 | | 5775.0 | 5774.839075 | -27.87 | | PASS |

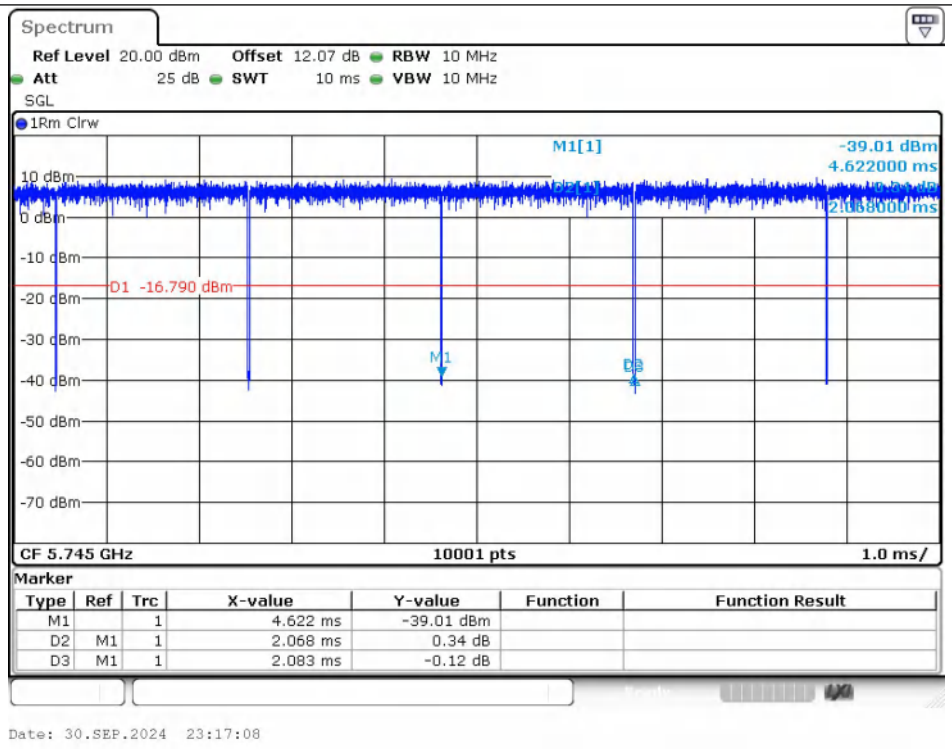
## Duty Cycle

ANT1:

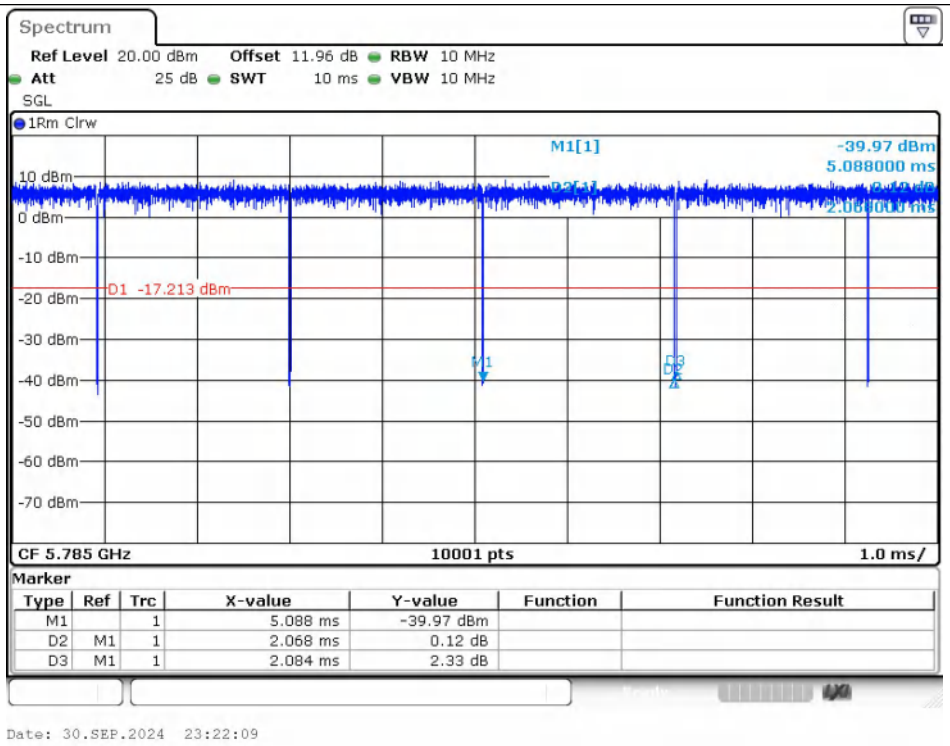
### Test Result

| Mode | Data rates | Channel | Antenna | On Time (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle (linear) | Duty Cycle Factor (dB) | 1/T |
|---|---|---|---|---|---|---|---|---|---|
| IEEE 802.11a | 6 | 149 | 1 | 2.068 | 2.083 | 99.28 | 0.9928 | 0.0314 | 0.48 |
| | | 157 | | 2.068 | 2.084 | 99.23 | 0.9923 | 0.0336 | 0.48 |
| | | 165 | | 2.068 | 2.084 | 99.23 | 0.9923 | 0.0336 | 0.48 |
| IEEE 802.11n_20 | MCS 0 | 149 | | 2.068 | 2.083 | 99.28 | 0.9928 | 0.0314 | 0.48 |
| | | 157 | | 2.068 | 2.083 | 99.28 | 0.9928 | 0.0314 | 0.48 |
| | | 165 | | 2.068 | 2.083 | 99.28 | 0.9928 | 0.0314 | 0.48 |
| IEEE 802.11n_40 | | 151 | | 2.068 | 2.084 | 99.23 | 0.9923 | 0.0336 | 0.48 |
| | | 159 | | 2.068 | 2.083 | 99.28 | 0.9928 | 0.0314 | 0.48 |
| IEEE 802.11ac_20 | | 149 | | 2.068 | 2.084 | 99.23 | 0.9923 | 0.0336 | 0.48 |
| | | 157 | | 2.068 | 2.083 | 99.28 | 0.9928 | 0.0314 | 0.48 |
| | | 165 | | 2.068 | 2.083 | 99.28 | 0.9928 | 0.0314 | 0.48 |
| IEEE 802.11ac_40 | | 151 | | 2.068 | 2.083 | 99.28 | 0.9928 | 0.0314 | 0.48 |
| | | 159 | | 2.068 | 2.084 | 99.23 | 0.9923 | 0.0336 | 0.48 |
| IEEE 802.11ac_80 | | 155 | | 2.244 | 2.260 | 99.29 | 0.9929 | 0.0309 | 0.45 |

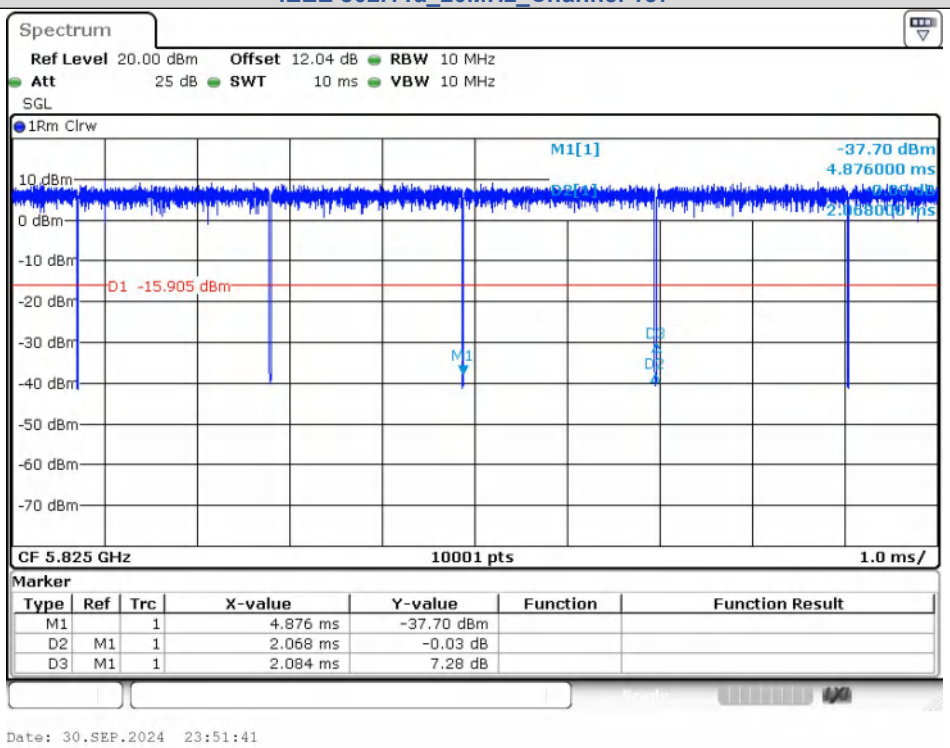
### Test Graphs



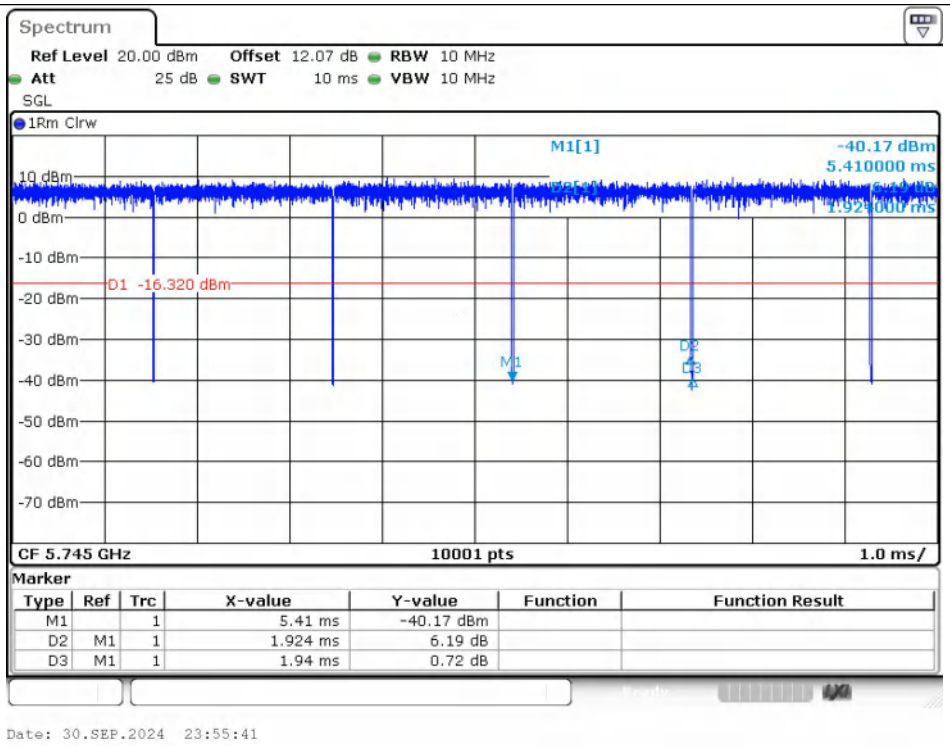

IEEE 802.11a_20MHz_Channel 149



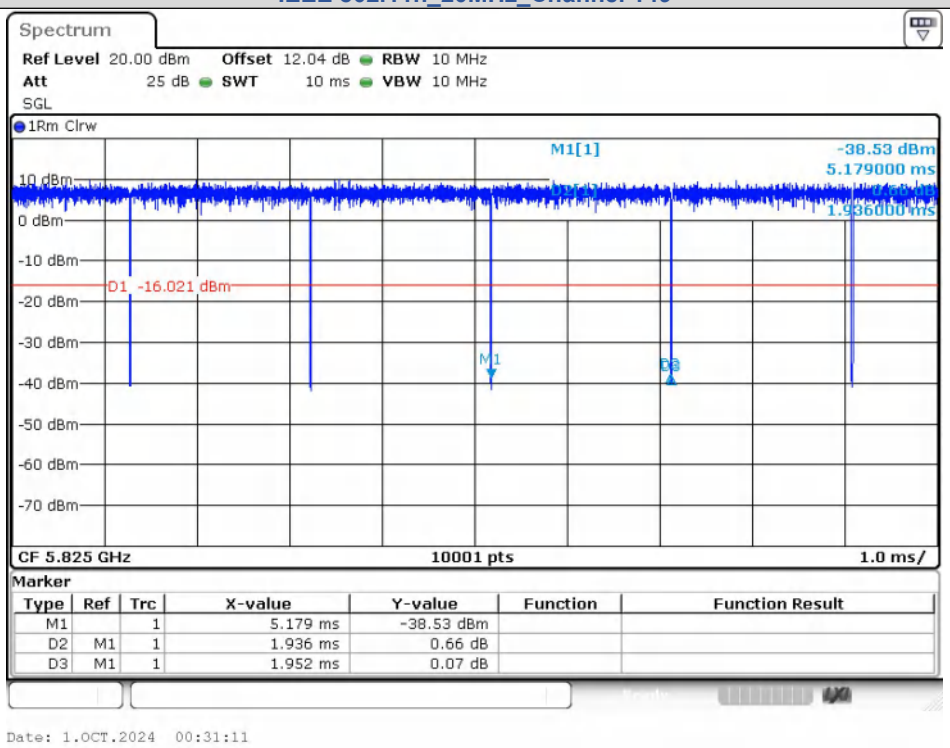

IEEE 802.11a_20MHz_Channel 157



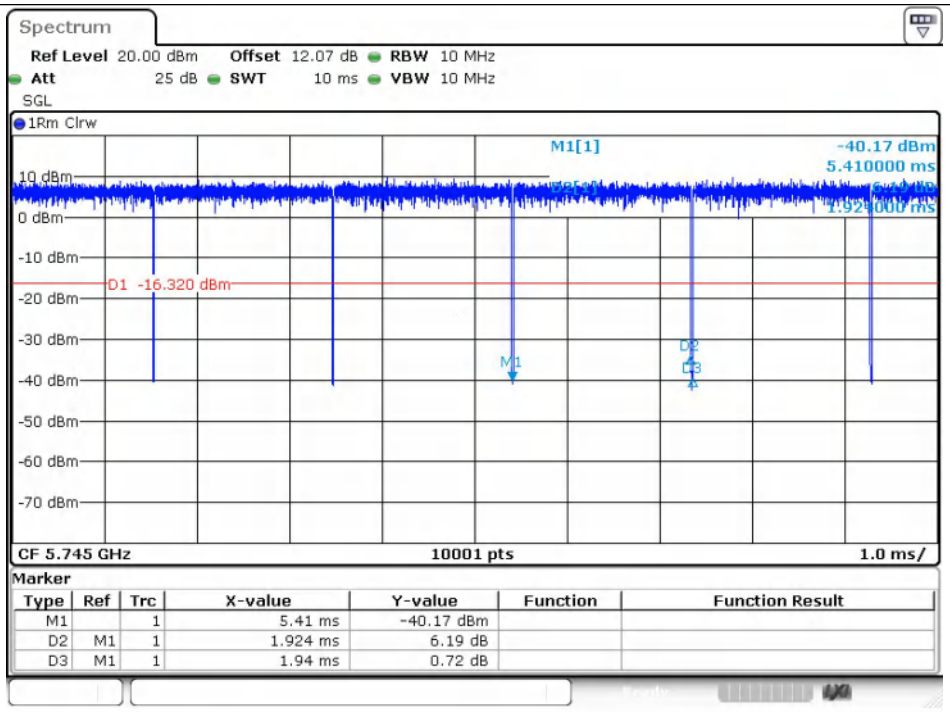

IEEE 802.11a_20MHz_Channel 165



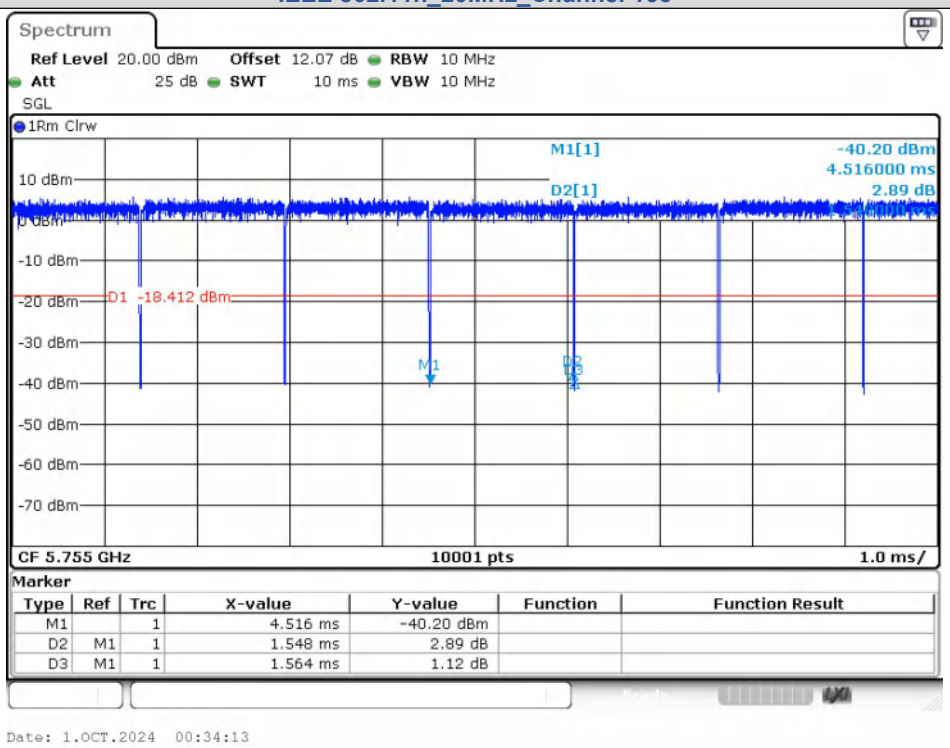

**IEEE 802.11n_20MHz_Channel 149**



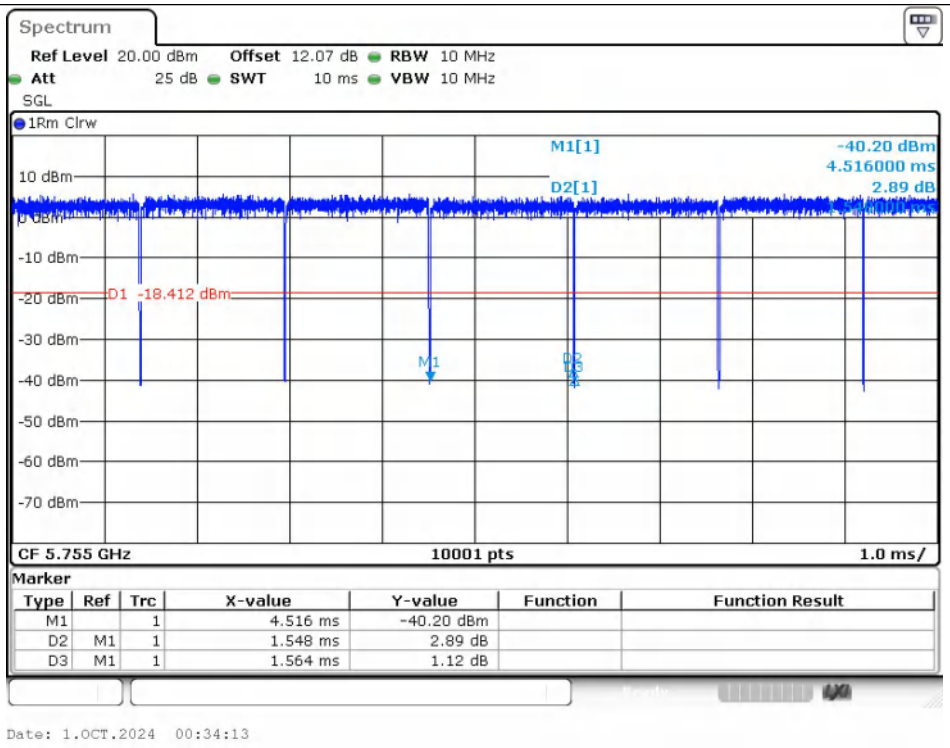

**IEEE 802.11n_20MHz_Channel 157**



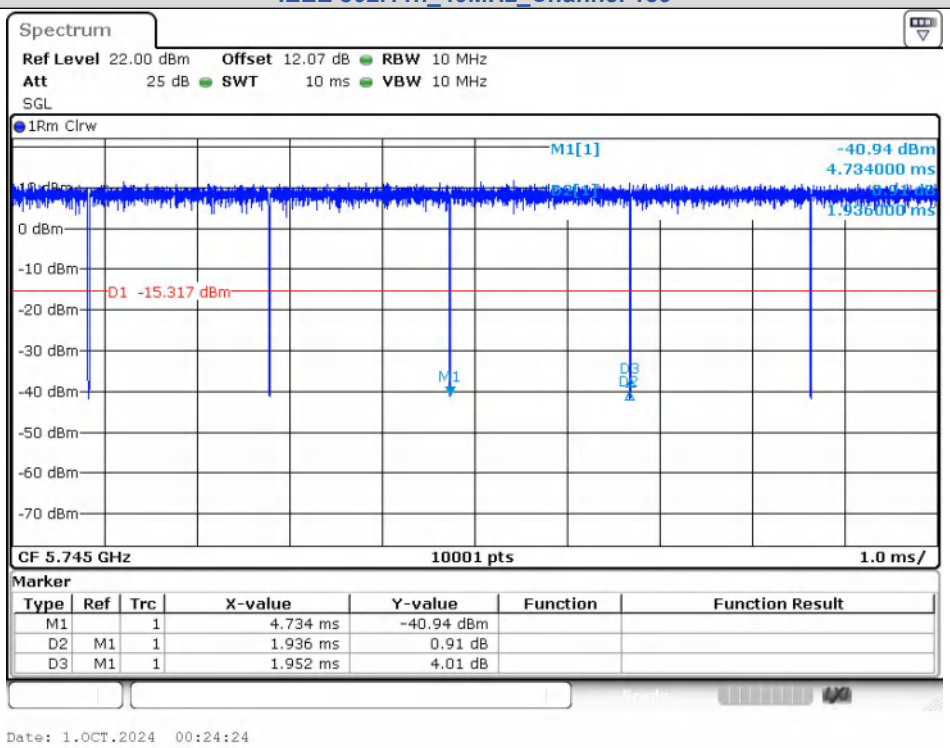

**IEEE 802.11n_20MHz_Channel 165**



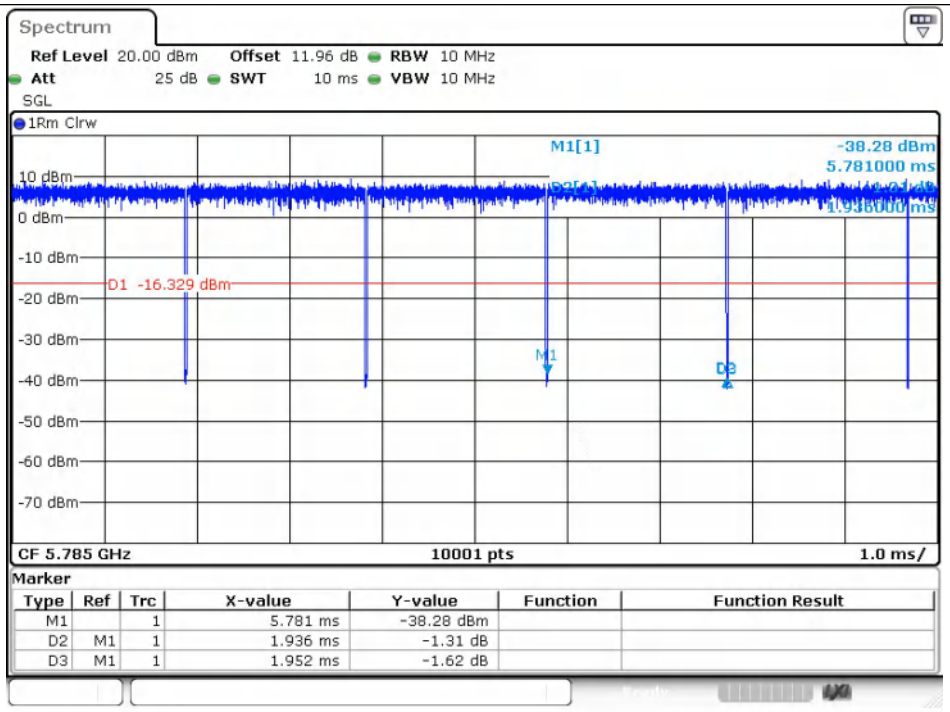

**IEEE 802.11n_40MHz_Channel 151**



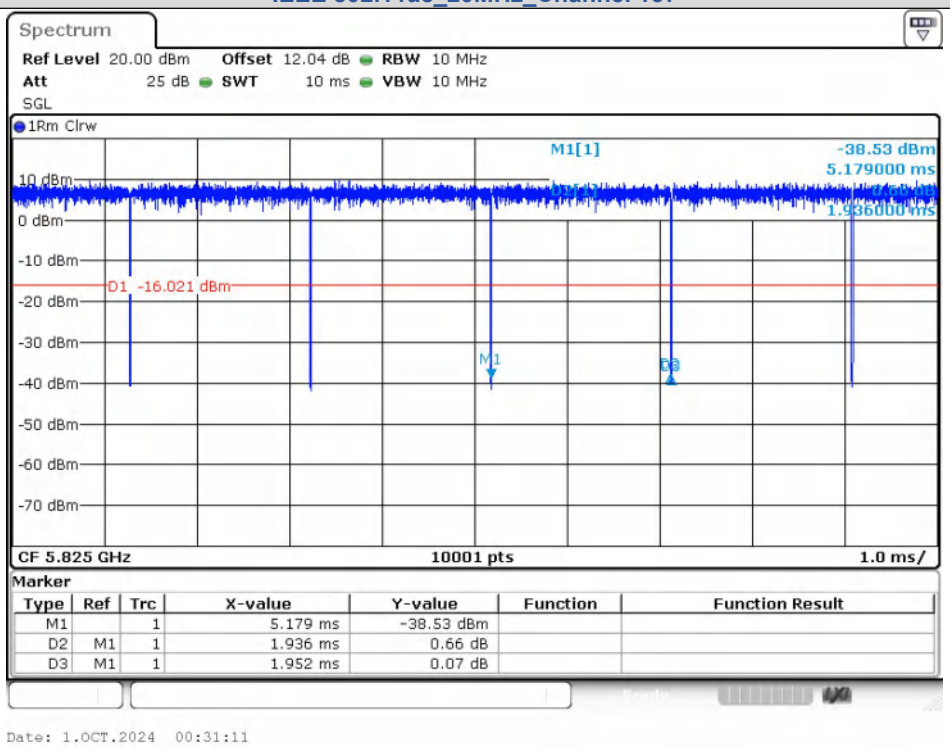

**IEEE 802.11n_40MHz_Channel 159**



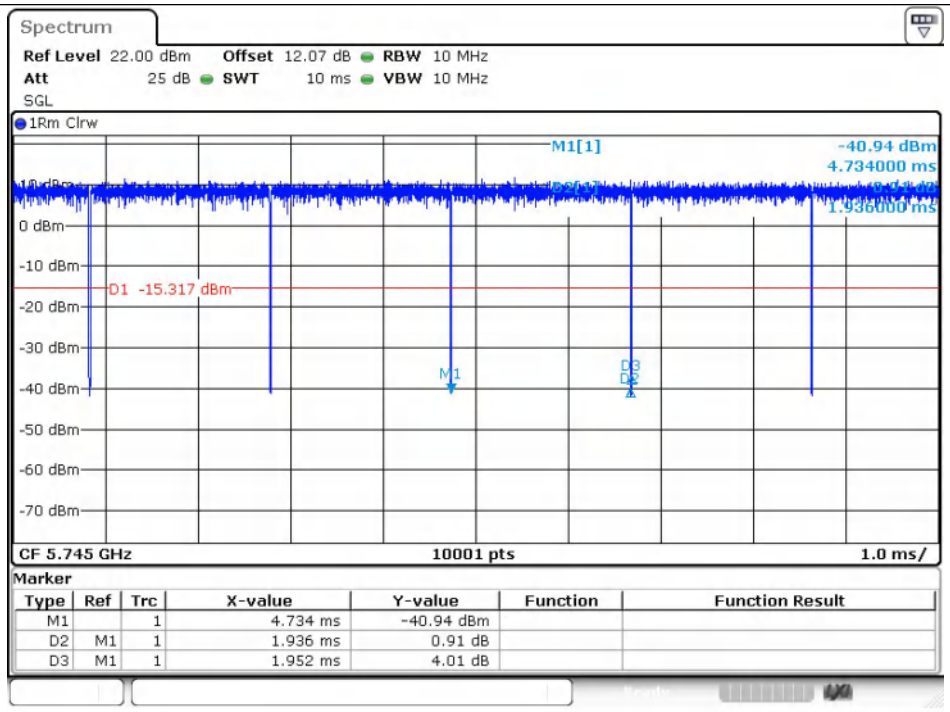

**IEEE 802.11ac_20MHz_Channel 149**




IEEE 802.11ac_20MHz_Channel 157

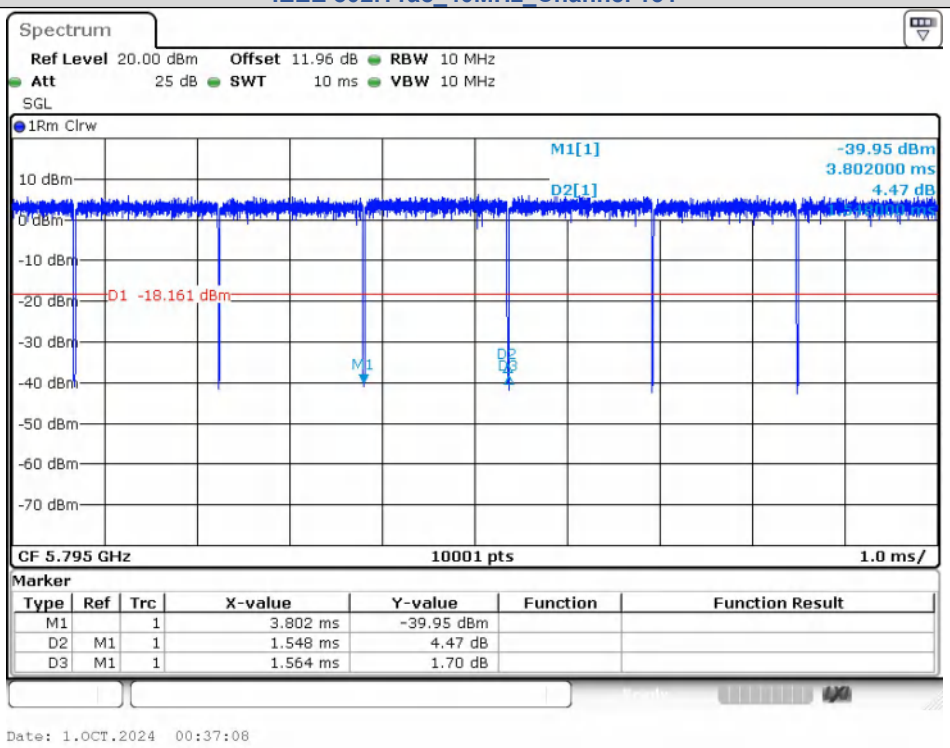



IEEE 802.11ac_20MHz_Channel 165

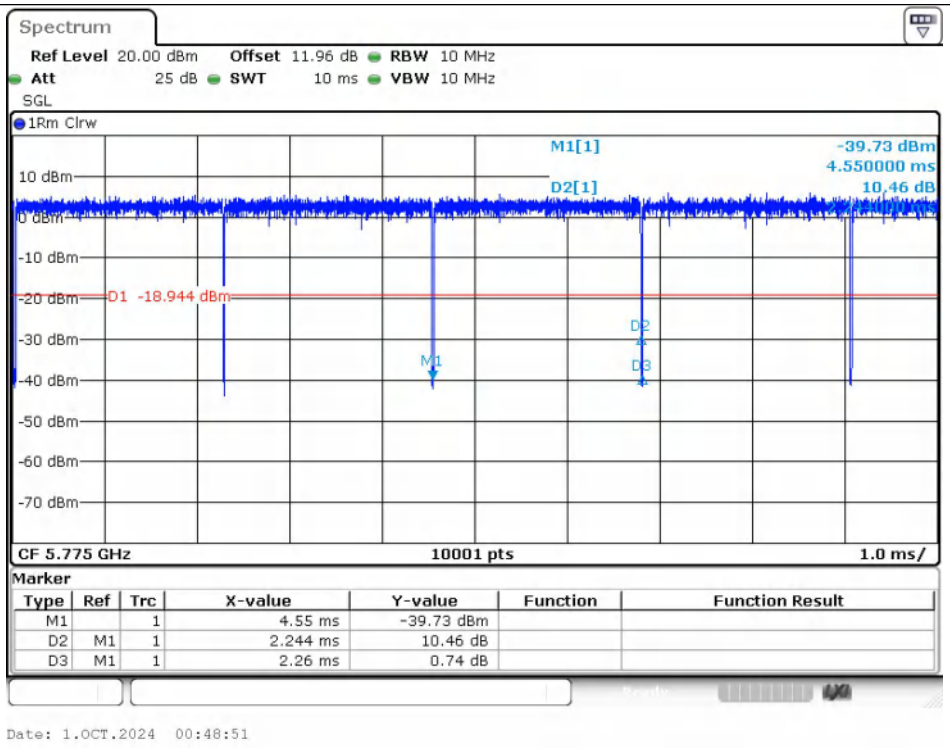



C

**IEEE 802.11ac_40MHz_Channel 151**




**IEEE 802.11ac_40MHz_Channel 159**



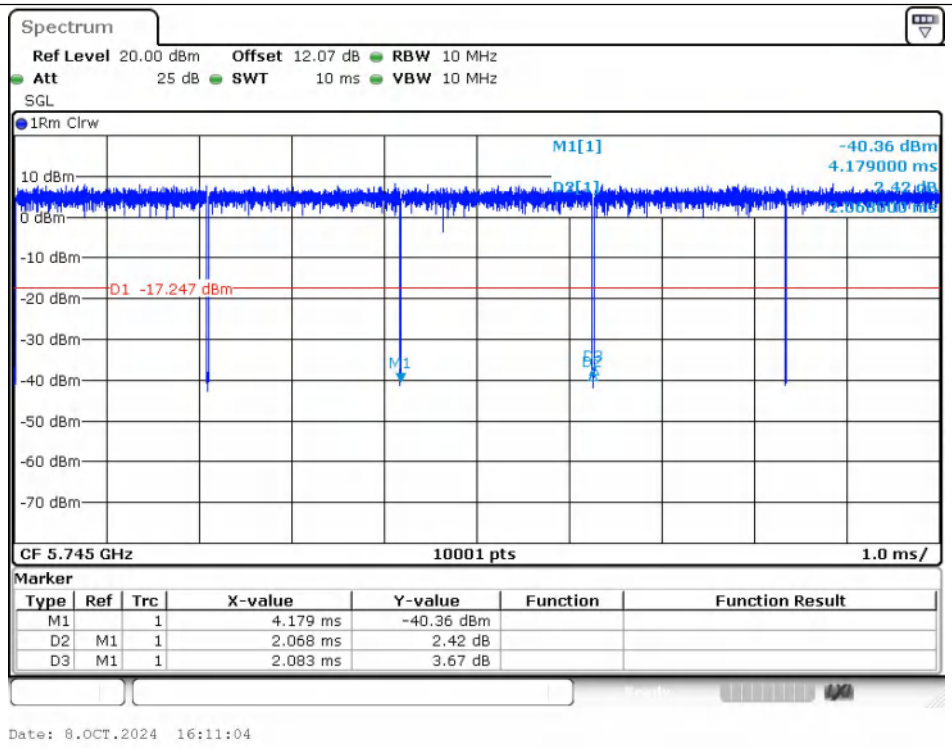

**IEEE 802.11ac_80MHz_Channel 155**

ANT2:

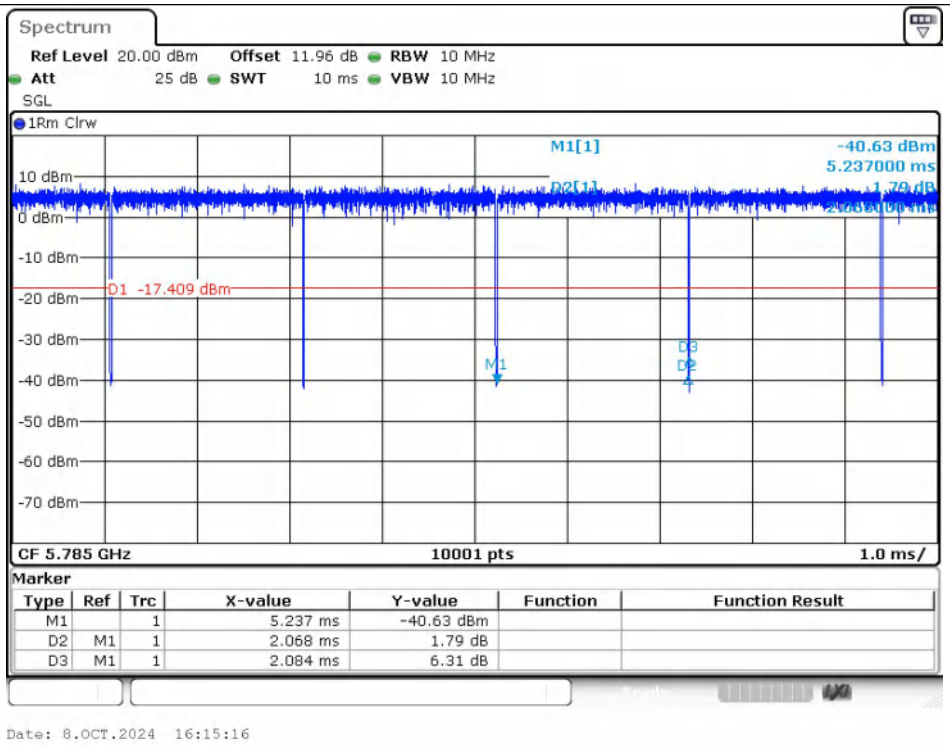
**Test Result**

| Mode | Data rates | Channel | Antenna | On Time (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle (linear) | Duty Cycle Factor (dB) | 1/T |
|---|---|---|---|---|---|---|---|---|---|
| IEEE 802.11a | 6 | 149 | 2 | 2.068 | 2.083 | 99.28 | 0.9928 | 0.0314 | 0.48 |
| | | 157 | | 2.068 | 2.084 | 99.23 | 0.9923 | 0.0336 | 0.48 |
| | | 165 | | 2.068 | 2.084 | 99.23 | 0.9923 | 0.0336 | 0.48 |
| IEEE 802.11n_20 | MCS 0 | 149 | | 1.924 | 1.940 | 99.18 | 0.9918 | 0.0358 | 0.52 |
| | | 157 | | 1.936 | 1.952 | 99.18 | 0.9918 | 0.0358 | 0.52 |
| | | 165 | | 1.936 | 1.952 | 99.18 | 0.9918 | 0.0358 | 0.52 |
| IEEE 802.11n_40 | | 151 | | 1.540 | 1.556 | 98.97 | 0.9897 | 0.045 | 0.65 |
| | | 159 | | 1.936 | 1.952 | 99.18 | 0.9918 | 0.0358 | 0.52 |
| IEEE 802.11ac_20 | | 149 | | 1.936 | 1.952 | 99.18 | 0.9918 | 0.0358 | 0.52 |
| | | 157 | | 1.936 | 1.952 | 99.18 | 0.9918 | 0.0358 | 0.52 |
| | | 165 | | 1.936 | 1.951 | 99.23 | 0.9923 | 0.0336 | 0.52 |
| IEEE 802.11ac_40 | | 151 | | 1.548 | 1.564 | 98.98 | 0.9898 | 0.0445 | 0.65 |
| | | 159 | | 1.548 | 1.564 | 98.98 | 0.9898 | 0.0445 | 0.65 |
| IEEE 802.11ac_80 | | 155 | | 2.244 | 2.260 | 99.29 | 0.9929 | 0.0309 | 0.45 |

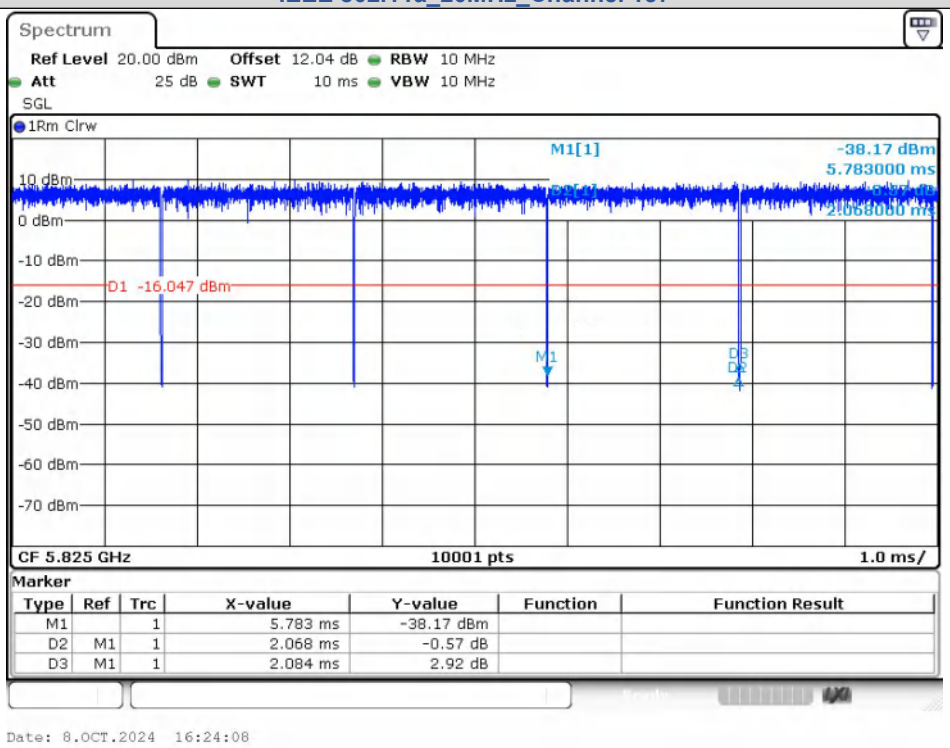
**Test Graphs**



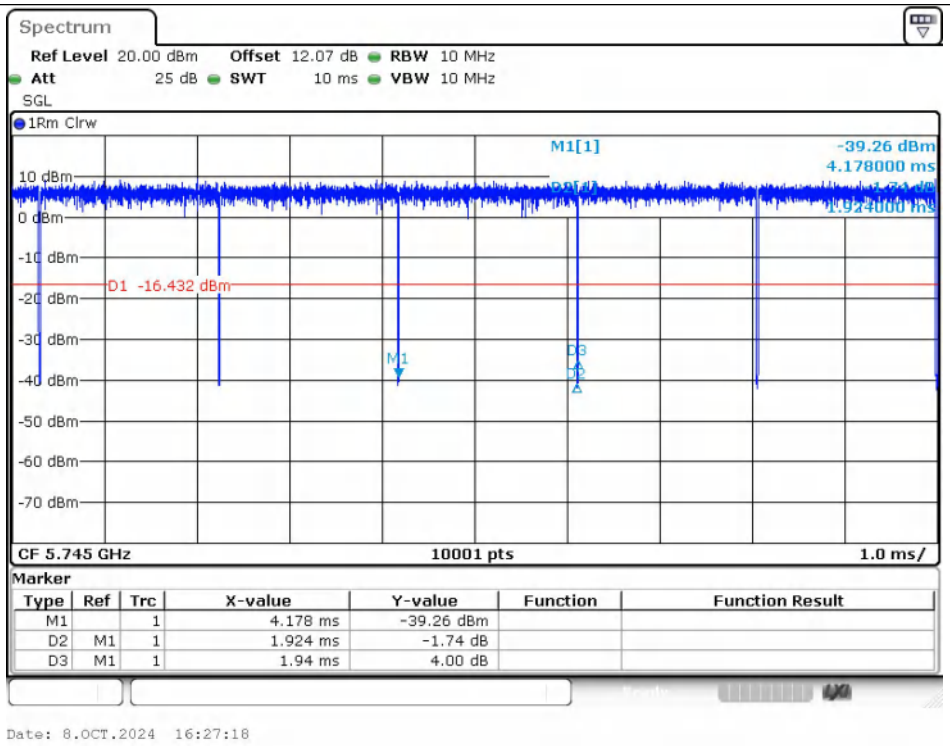

IEEE 802.11a_20MHz_Channel 149



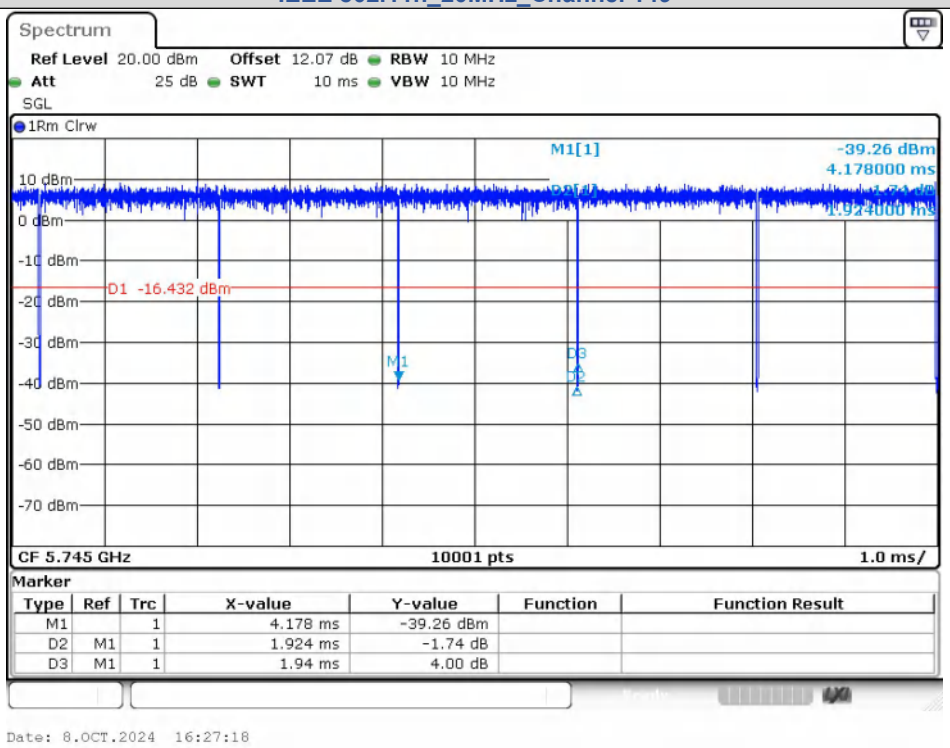

**IEEE 802.11a_20MHz_Channel 157**



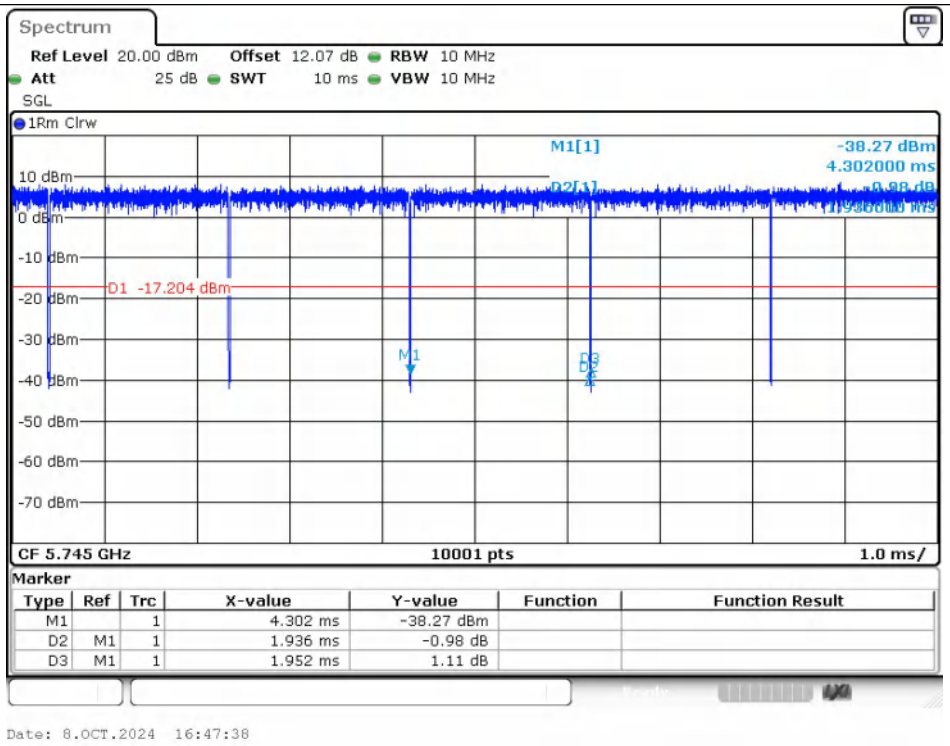

**IEEE 802.11a_20MHz_Channel 165**



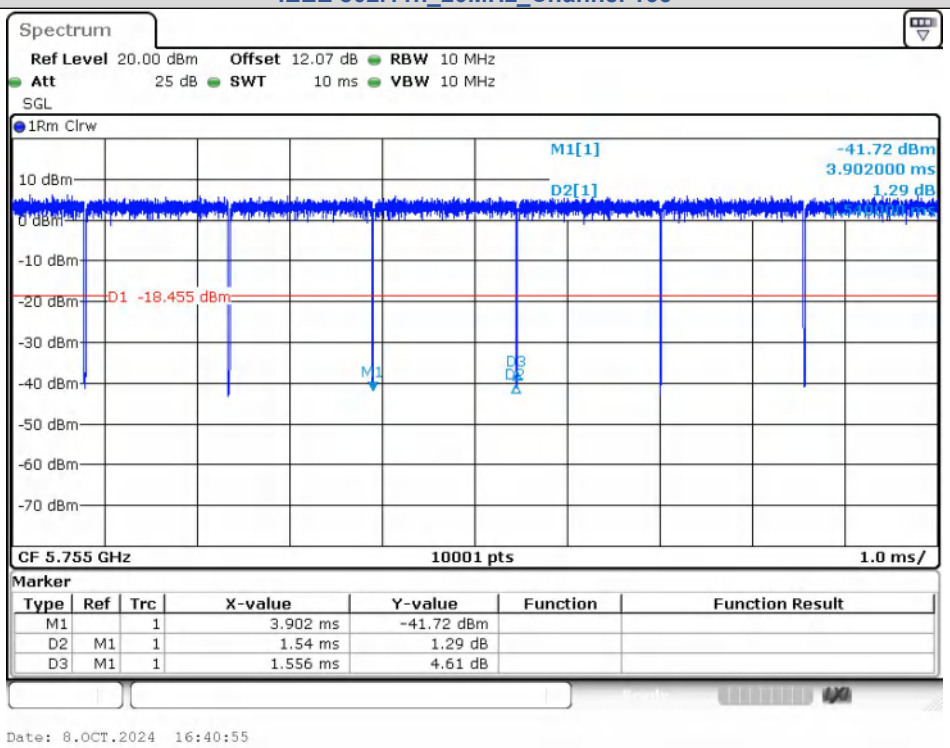

**IEEE 802.11n_20MHz_Channel 149**



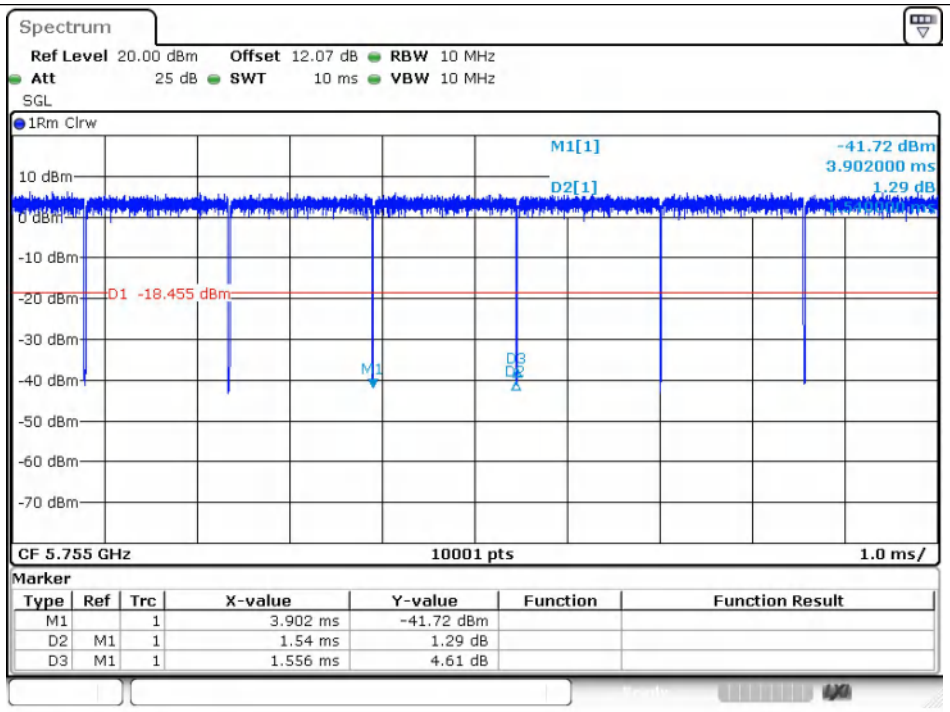

**IEEE 802.11n_20MHz_Channel 157**



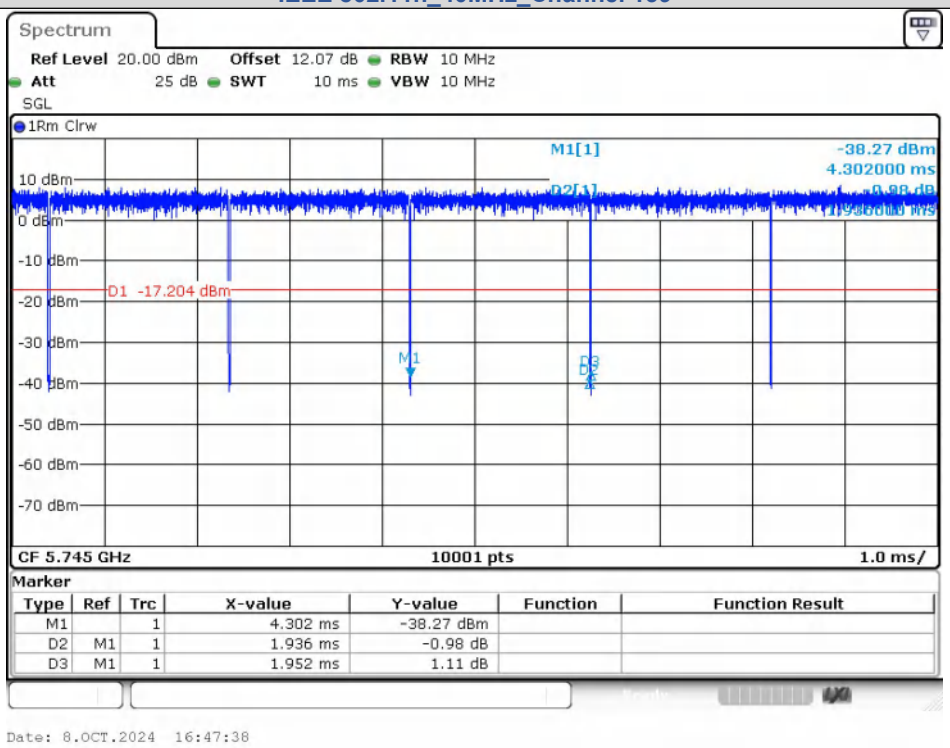

**IEEE 802.11n_20MHz_Channel 165**



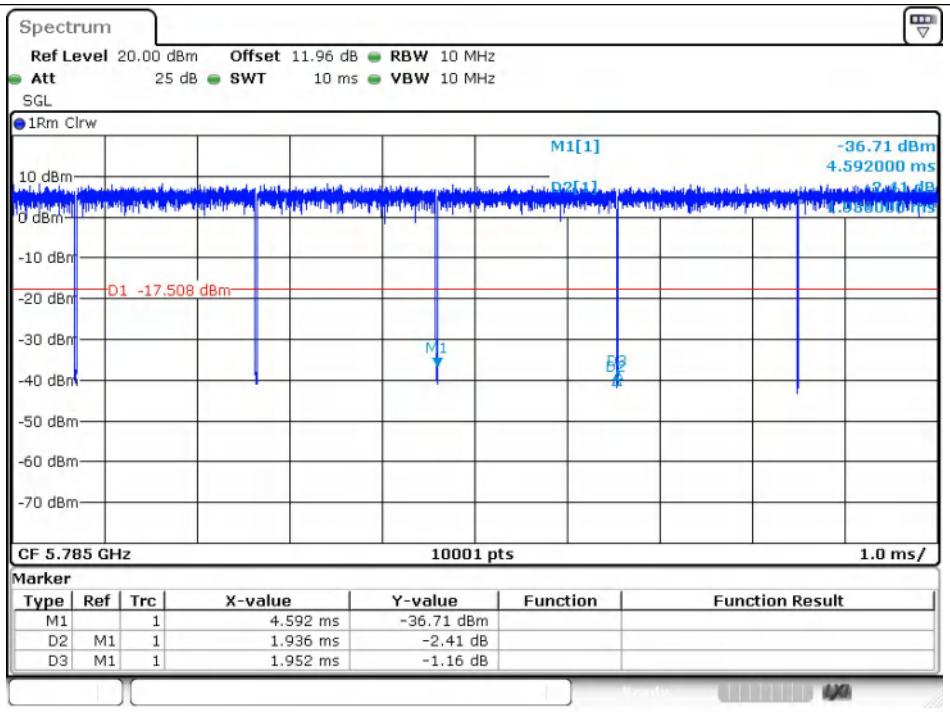

**IEEE 802.11n_40MHz_Channel 151**



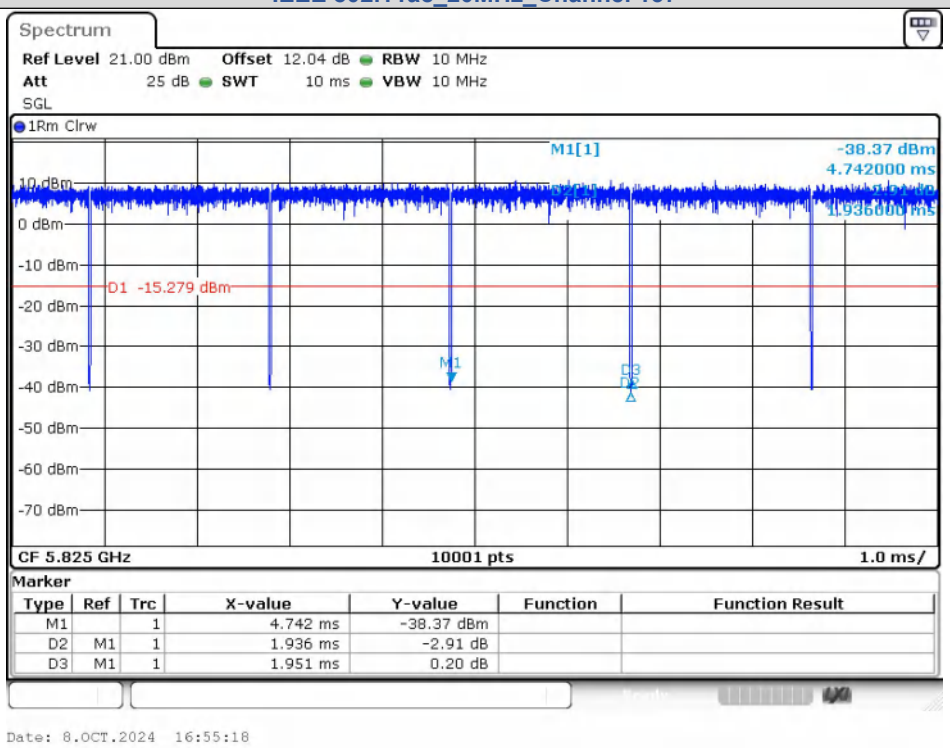

**IEEE 802.11n_40MHz_Channel 159**



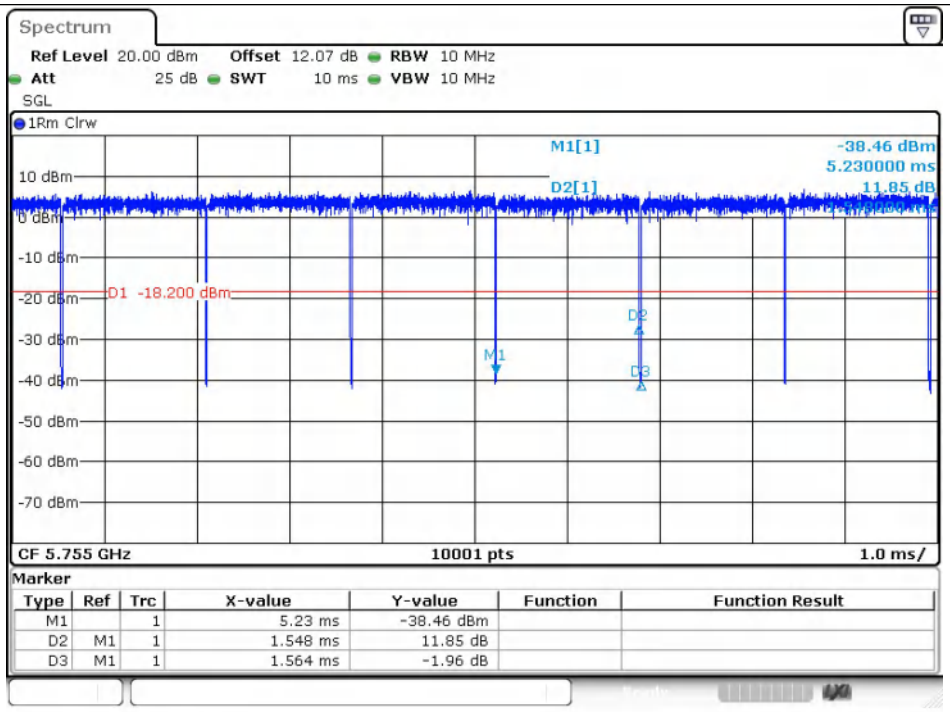

**IEEE 802.11ac_20MHz_Channel 149**



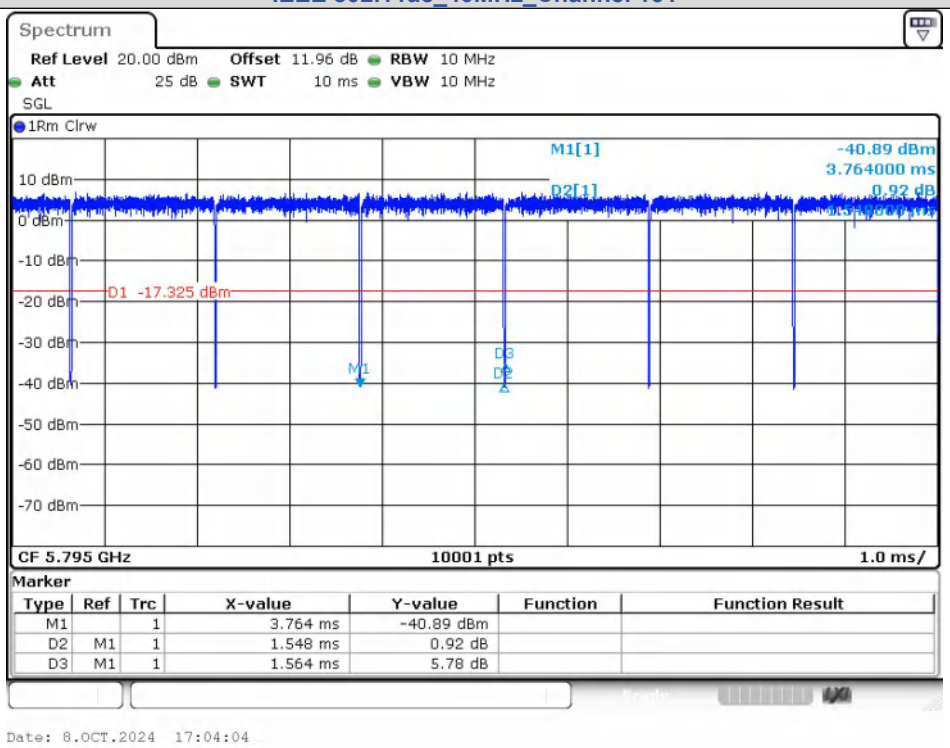

IEEE 802.11ac_20MHz_Channel 157



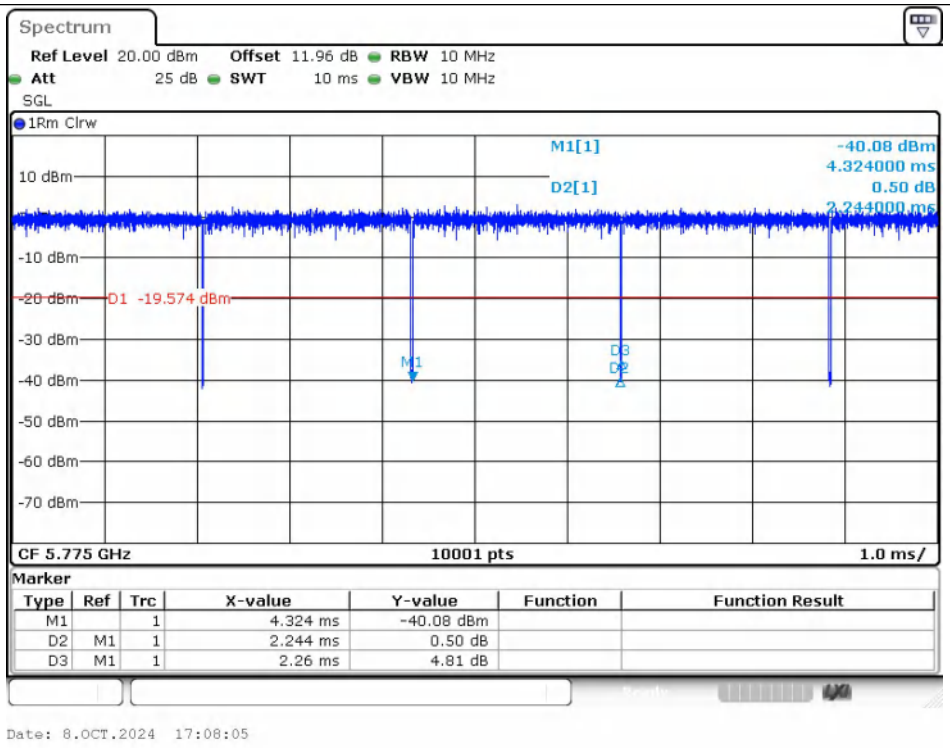

IEEE 802.11ac_20MHz_Channel 165




**IEEE 802.11ac_40MHz_Channel 151**




**IEEE 802.11ac_40MHz_Channel 159**




**IEEE 802.11ac_80MHz_Channel 155**

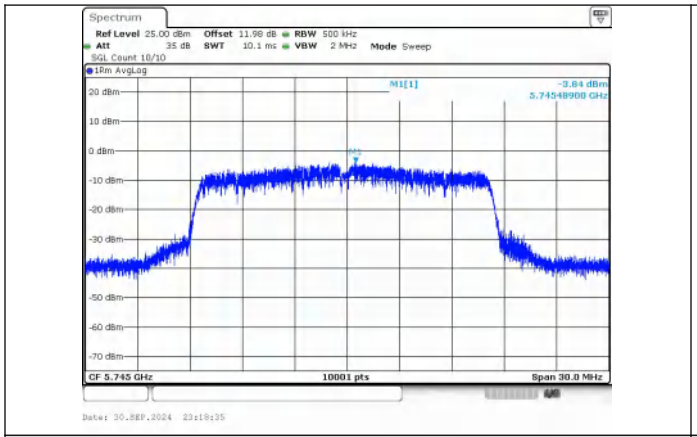
## Peak Power Spectral Density

ANT1:

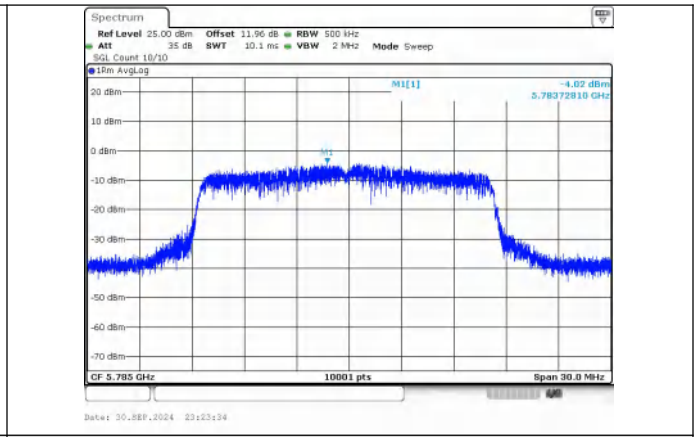
### Test Result

| Mode | Channel | Ant. 1 Meas PSD (dBm/MHz or dBm/0.5MHz) | Limit (dBm/MHz or dBm/0.5MHz) | Result |
|---|---|---|---|---|
| IEEE 802.11a | 149 | -3.84 | 30 | PASS |
| | 157 | -4.02 | | PASS |
| | 165 | -3.46 | | PASS |
| IEEE 802.11n_20 | 149 | -3.95 | | PASS |
| | 157 | -4.22 | | PASS |
| | 165 | -2.40 | | PASS |
| IEEE 802.11n_40 | 151 | -5.45 | | PASS |
| | 159 | -4.55 | | PASS |
| IEEE 802.11ac_20 | 149 | -1.64 | | PASS |
| | 157 | -3.88 | | PASS |
| | 165 | -3.34 | | PASS |
| IEEE 802.11ac_40 | 151 | -7.28 | | PASS |
| | 159 | -7.14 | | PASS |
| IEEE 802.11ac_80 | 155 | -7.16 | | PASS |

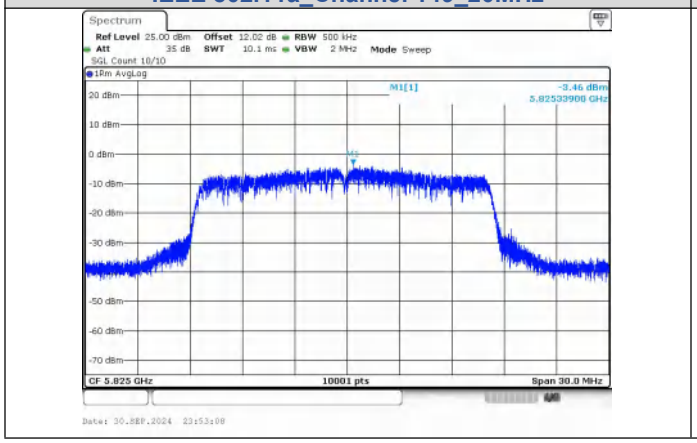
### Test Graphs

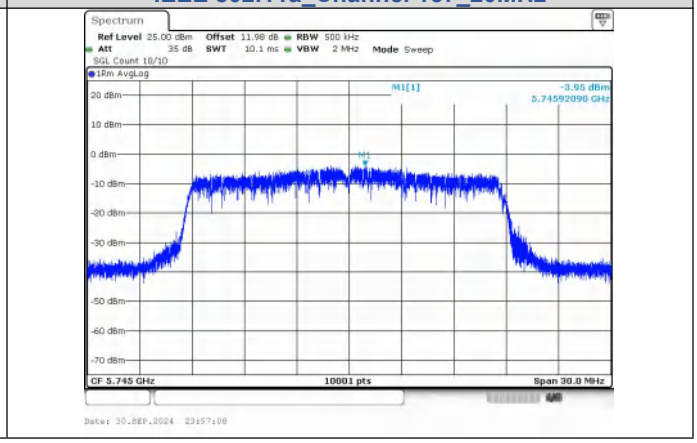


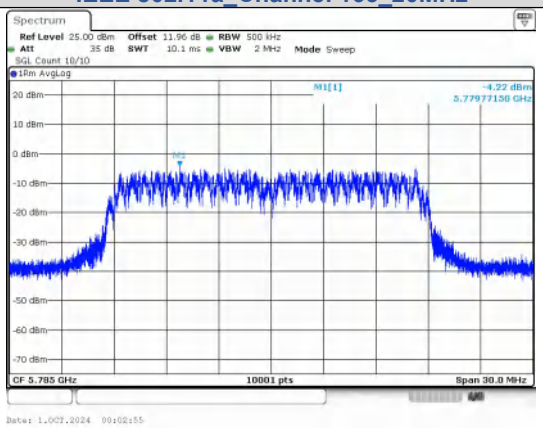
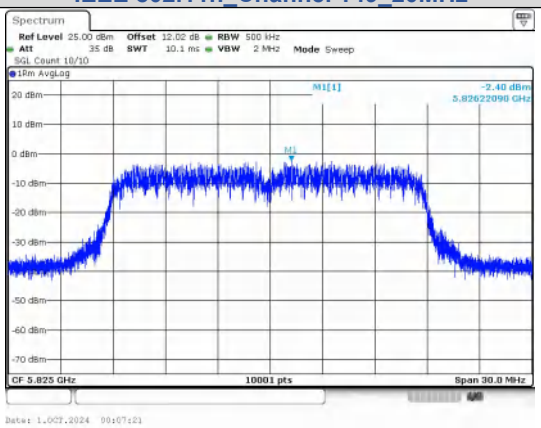
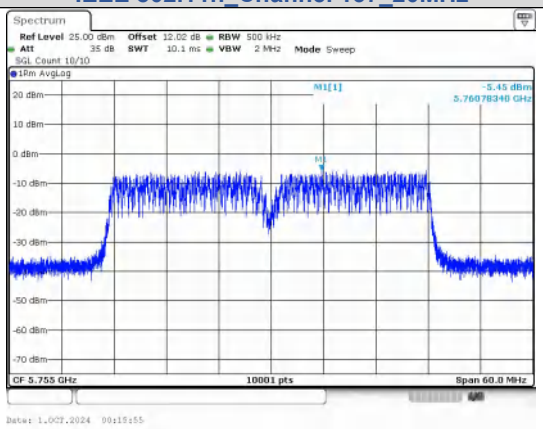
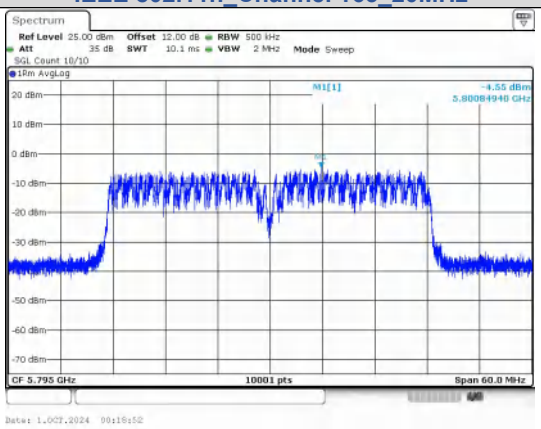
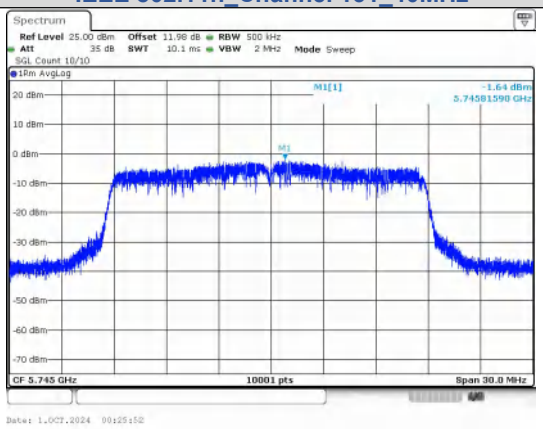
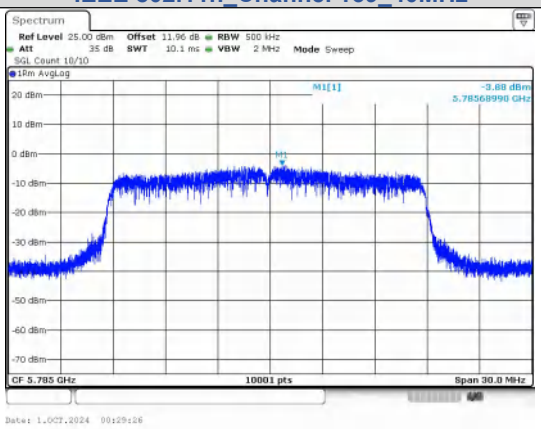

IEEE 802.11a_Channel 149_20MHz

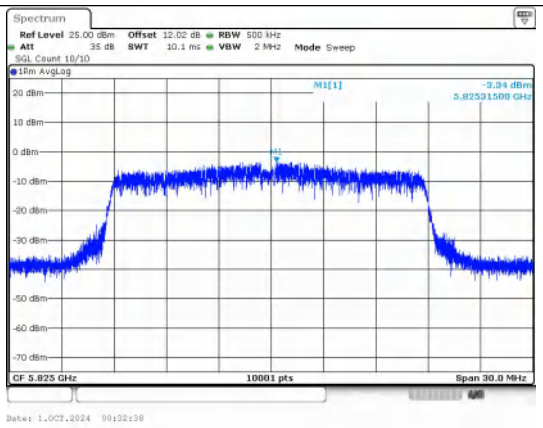



IEEE 802.11a_Channel 157_20MHz

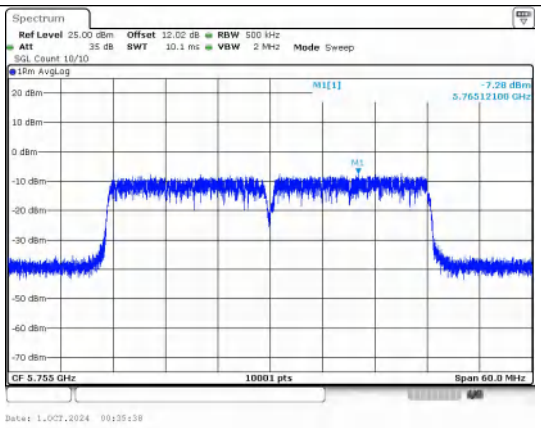


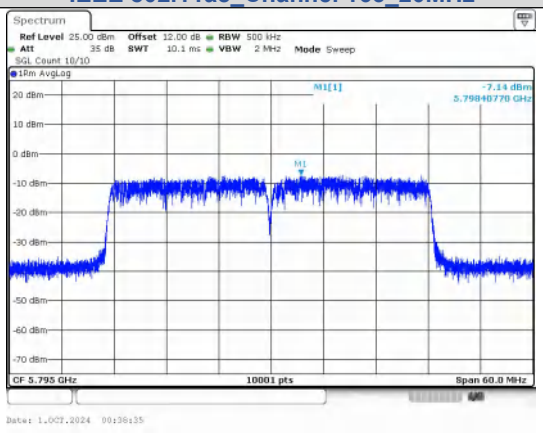
| IEEE 802.11a_Channel 165_20MHz | IEEE 802.11n_Channel 149_20MHz |
|---|---|
|  |  |
| **IEEE 802.11n_Channel 157_20MHz** | **IEEE 802.11n_Channel 165_20MHz** |
|  |  |
| **IEEE 802.11n_Channel 151_40MHz** | **IEEE 802.11n_Channel 159_40MHz** |
|  |  |
| **IEEE 802.11ac_Channel 149_20MHz** | **IEEE 802.11ac_Channel 157_20MHz** |



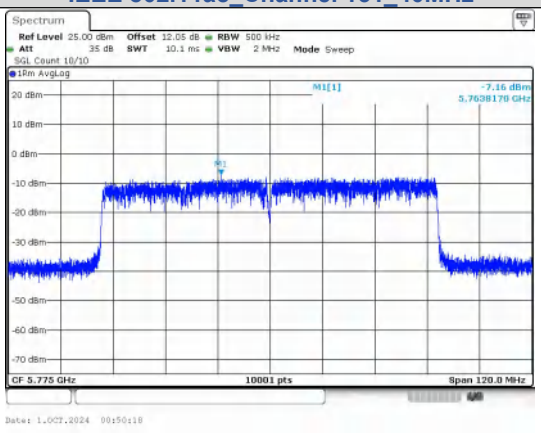

IEEE 802.11ac_Channel 165_20MHz




IEEE 802.11ac_Channel 151_40MHz




IEEE 802.11ac_Channel 159_40MHz



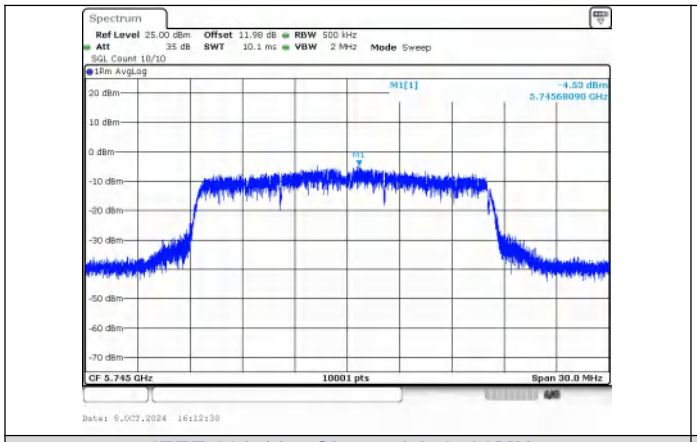

IEEE 802.11ac_Channel 155_80MHz

ANT2:

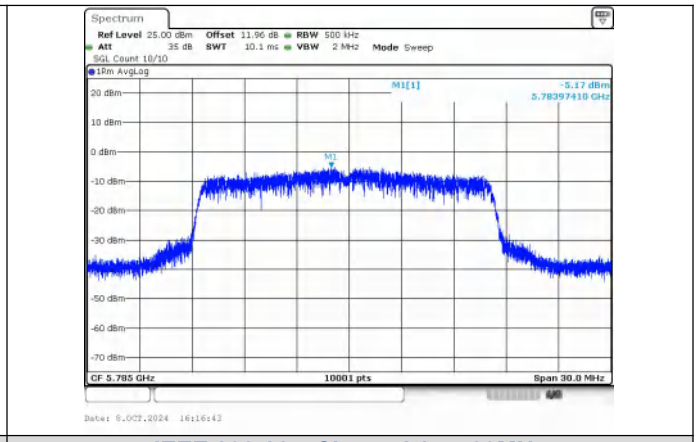
**Test Result**

| Mode | Channel | Ant. 2 Meas PSD (dBm/MHz or dBm/0.5MHz) | Limit (dBm/MHz or dBm/0.5MHz) | Result |
|---|---|---|---|---|
| IEEE 802.11a | 149 | -4.54 | 30 | PASS |
| | 157 | -5.17 | | PASS |
| | 165 | -3.50 | | PASS |
| IEEE 802.11n_20 | 149 | -4.28 | | PASS |
| | 157 | -2.21 | | PASS |
| | 165 | -3.36 | | PASS |
| IEEE 802.11n_40 | 151 | -6.72 | | PASS |
| | 159 | -5.91 | | PASS |
| IEEE 802.11ac_20 | 149 | -5.16 | | PASS |
| | 157 | -5.22 | | PASS |
| | 165 | -2.47 | | PASS |
| IEEE 802.11ac_40 | 151 | -6.95 | | PASS |
| | 159 | -5.90 | | PASS |
| IEEE 802.11ac_80 | 155 | -10.65 | | PASS |

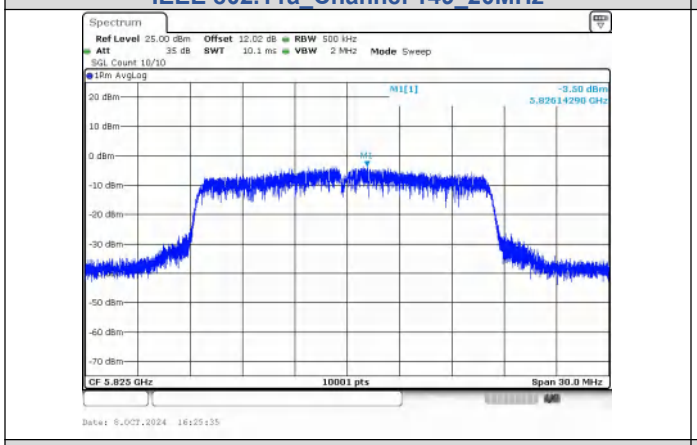
**Test Graphs**



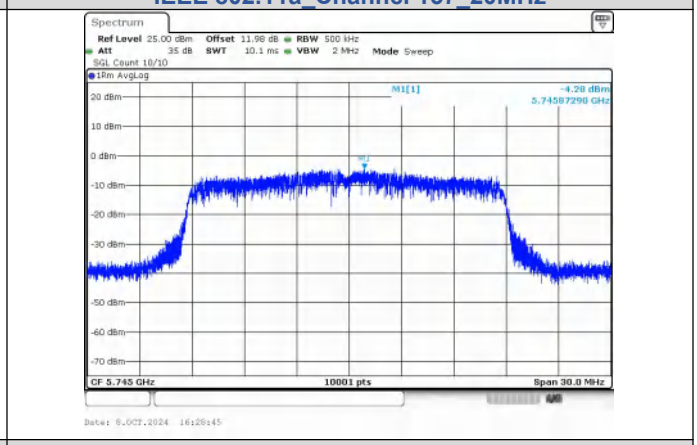

IEEE 802.11a_Channel 149_20MHz



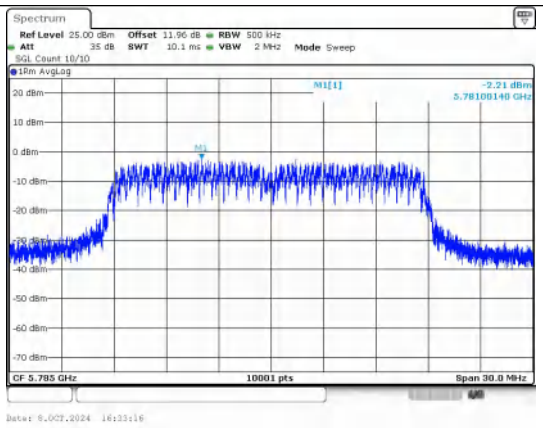

IEEE 802.11a_Channel 157_20MHz



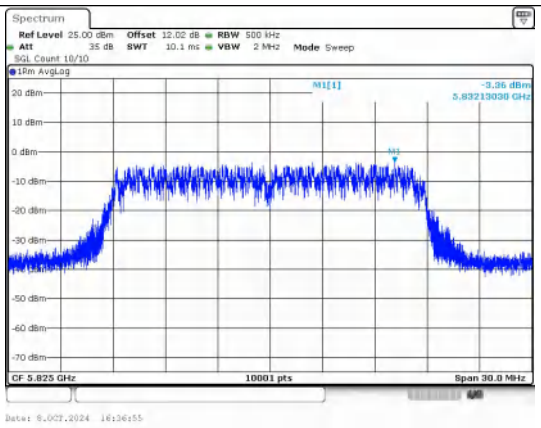

IEEE 802.11a_Channel 165_20MHz



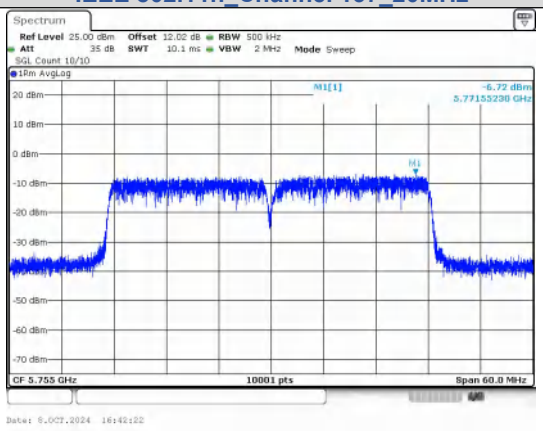

IEEE 802.11n_Channel 149_20MHz



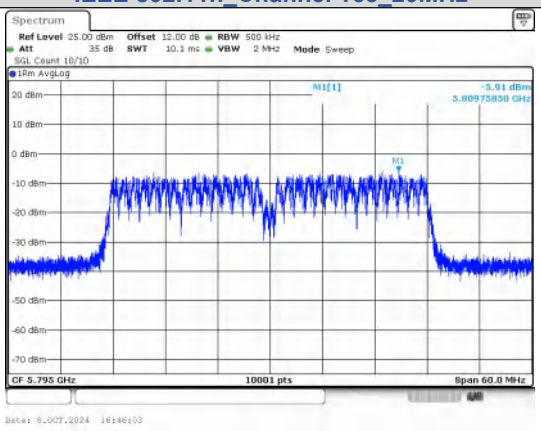

IEEE 802.11n_Channel 157_20MHz



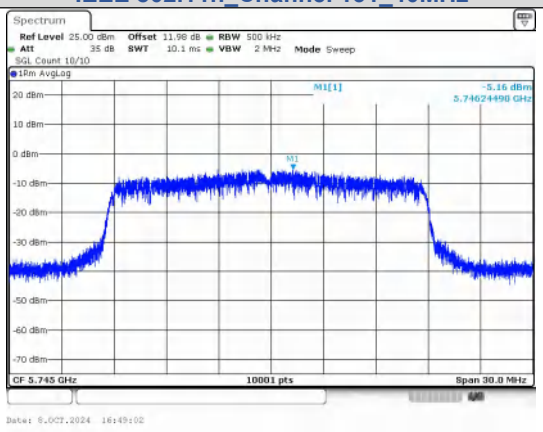

IEEE 802.11n_Channel 165_20MHz



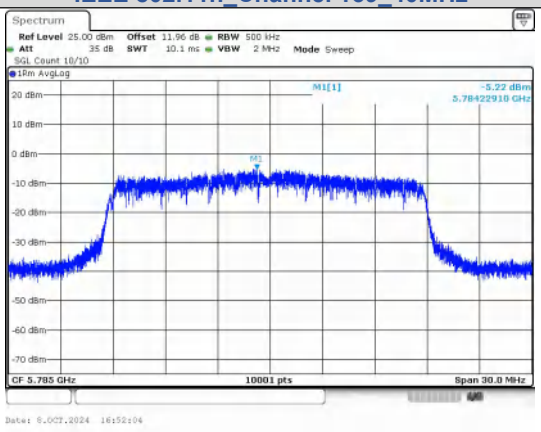

IEEE 802.11n_Channel 151_40MHz



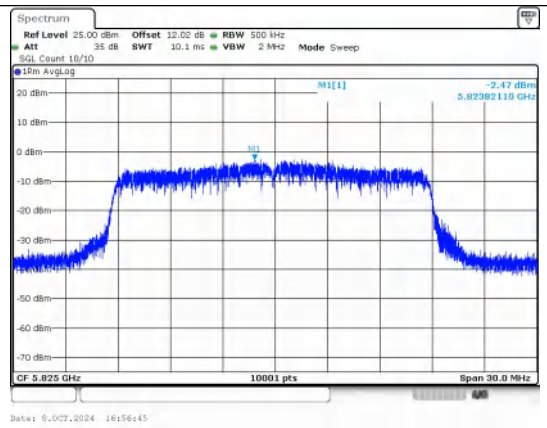

IEEE 802.11n_Channel 159_40MHz



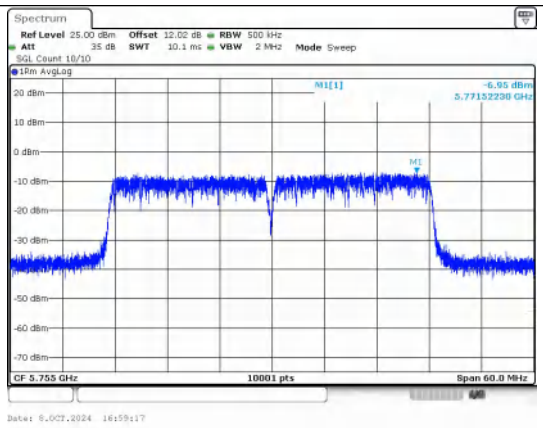

IEEE 802.11ac_Channel 149_20MHz



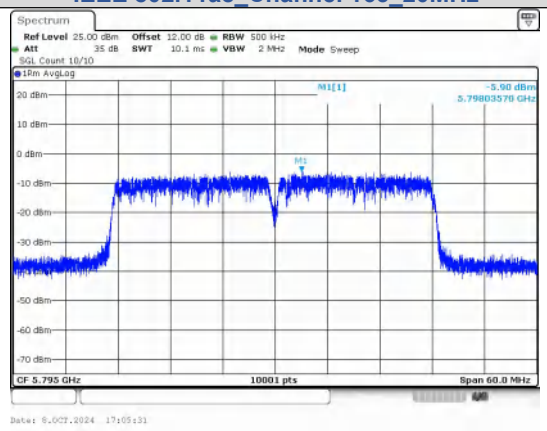

IEEE 802.11ac_Channel 157_20MHz



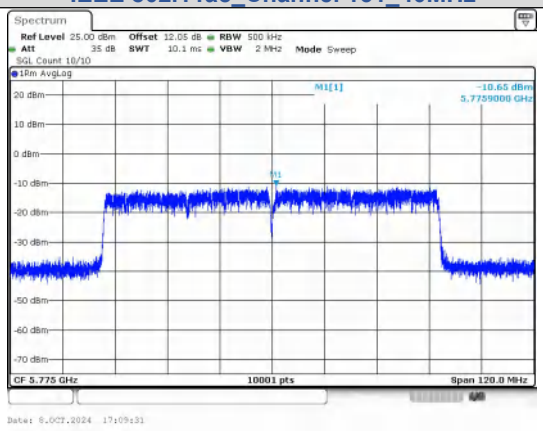

IEEE 802.11ac_Channel 165_20MHz




IEEE 802.11ac_Channel 151_40MHz




IEEE 802.11ac_Channel 159_40MHz




IEEE 802.11ac_Channel 155_80MHz

MIMO

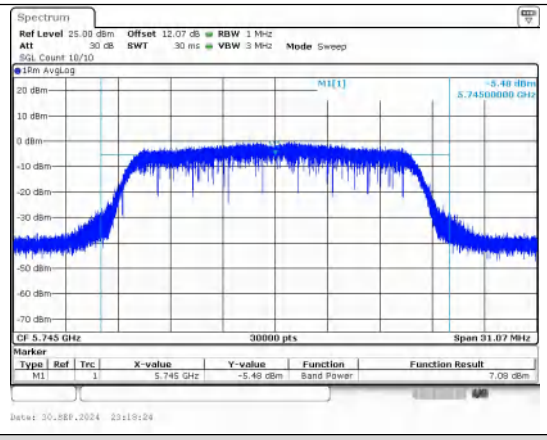
| Mode | Channel | Ant. 1 Meas PSD (dBm/MHz or dBm/0.5MHz) | Ant. 2 Meas PSD (dBm/MHz or dBm/0.5MHz) | MIMO Meas PSD (dBm/MHz or dBm/0.5MHz) | Limit (dBm/MHz or dBm/0.5MHz) | Result |
|---|---|---|---|---|---|---|
| IEEE 802.11n_20 | 149 | -3.95 | -4.28 | -1.10 | 30 | PASS |
| | 157 | -4.22 | -2.21 | -0.09 | | PASS |
| | 165 | -2.40 | -3.36 | 0.16 | | PASS |
| IEEE 802.11n_40 | 151 | -5.45 | -6.72 | -3.03 | | PASS |
| | 159 | -4.55 | -5.91 | -2.17 | | PASS |
| IEEE 802.11ac_20 | 149 | -1.64 | -5.16 | -0.04 | | PASS |
| | 157 | -3.88 | -5.22 | -1.49 | | PASS |
| | 165 | -3.34 | -2.47 | 0.13 | | PASS |
| IEEE 802.11ac_40 | 151 | -7.28 | -6.95 | -4.10 | | PASS |
| | 159 | -7.14 | -5.90 | -3.47 | | PASS |
| IEEE 802.11ac_80 | 155 | -7.16 | -10.65 | -5.55 | | PASS |

## Conducted AVG Output Power

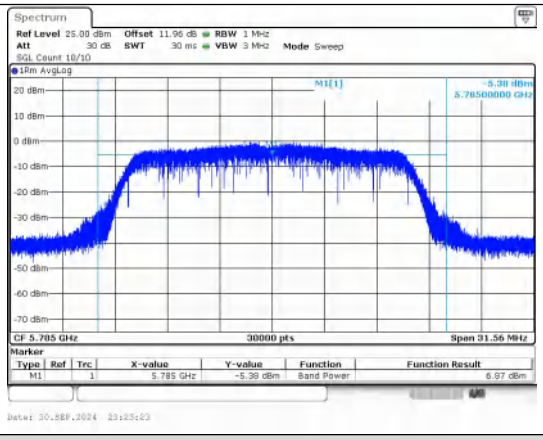
ANT1:

Conducted output power

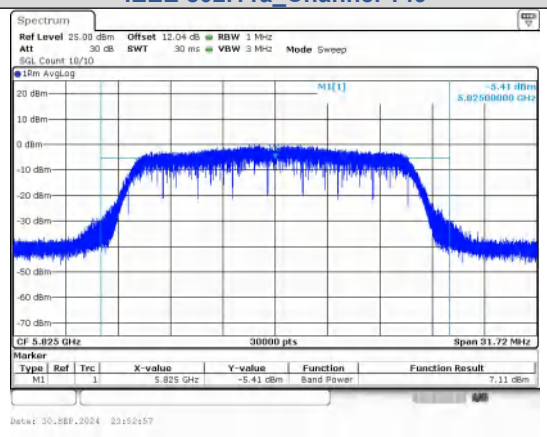
| Mode | Channel | Ant. 1 (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|
| IEEE 802.11a | 149 | 7.08 | ≤30 | PASS |
| | 157 | 6.87 | ≤30 | PASS |
| | 165 | 7.11 | ≤30 | PASS |
| IEEE 802.11n_20 | 149 | 7.42 | ≤30 | PASS |
| | 157 | 7.66 | ≤30 | PASS |
| | 165 | 8.24 | ≤30 | PASS |
| IEEE 802.11n_40 | 151 | 7.92 | ≤30 | PASS |
| | 159 | 8.70 | ≤30 | PASS |
| IEEE 802.11ac_20 | 149 | 7.57 | ≤30 | PASS |
| | 157 | 7.26 | ≤30 | PASS |
| | 165 | 7.83 | ≤30 | PASS |
| IEEE 802.11ac_40 | 151 | 7.73 | ≤30 | PASS |
| | 159 | 7.94 | ≤30 | PASS |
| IEEE 802.11ac_80 | 155 | 6.77 | ≤30 | PASS |



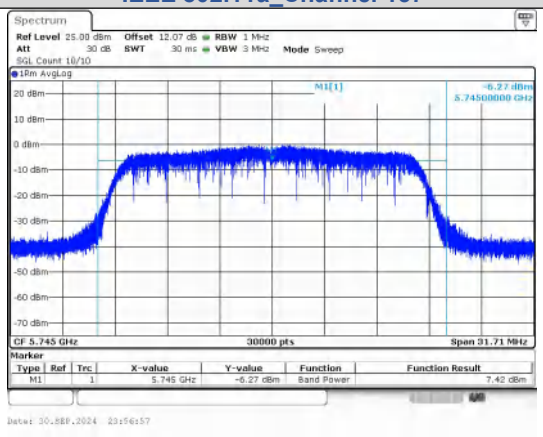

Conducted AVG output power
IEEE 802.11a_Channel 149



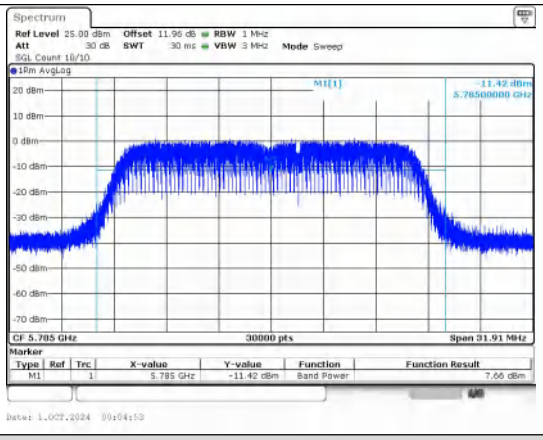

Conducted AVG output power
IEEE 802.11a_Channel 157



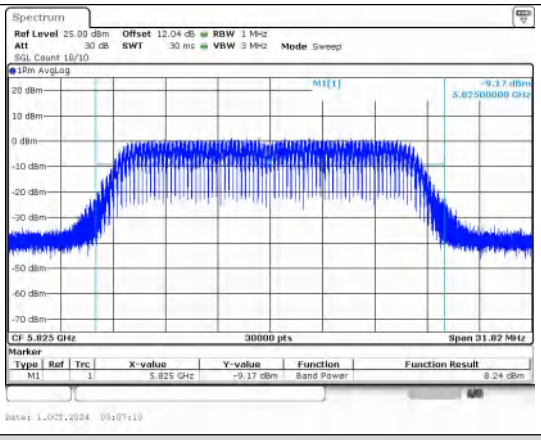

Conducted AVG output power
IEEE 802.11a_Channel 165



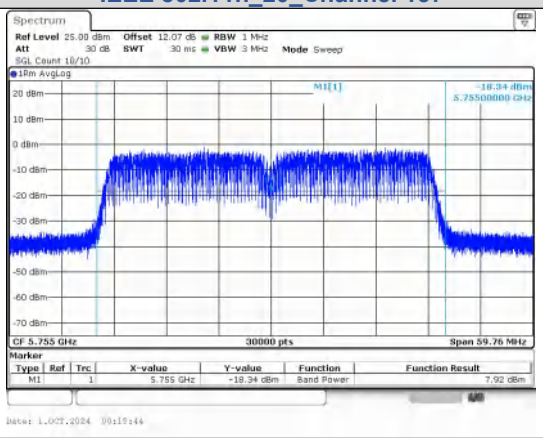

Conducted AVG output power
IEEE 802.11n_20_Channel 149



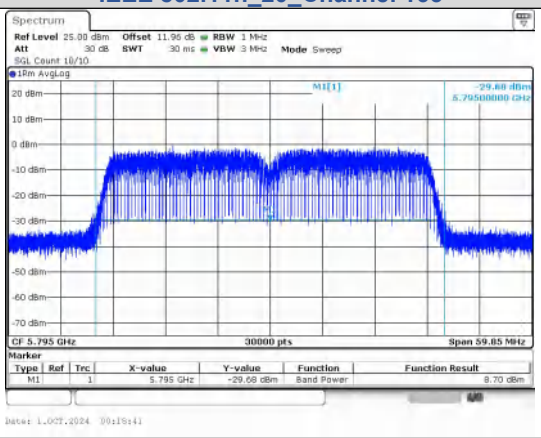

Conducted AVG output power
IEEE 802.11n_20_Channel 157



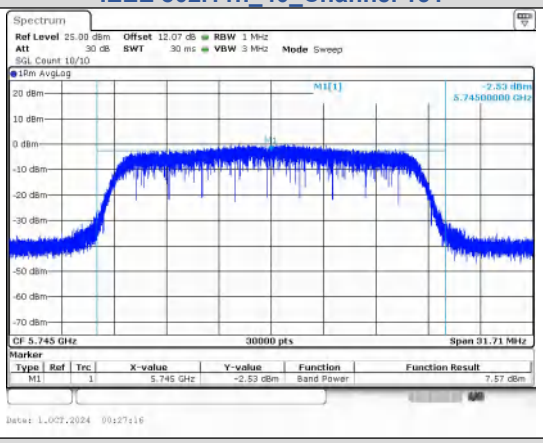

Conducted AVG output power
IEEE 802.11n_20_Channel 165



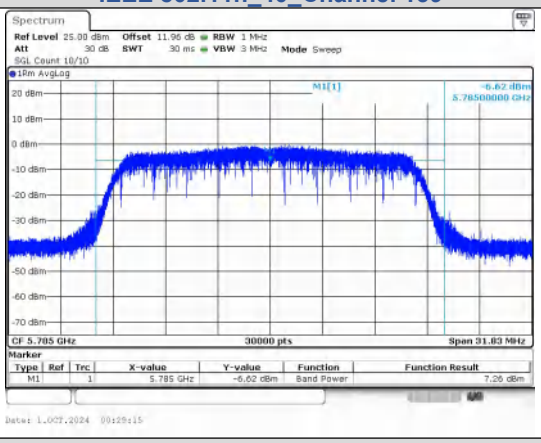

Conducted AVG output power
IEEE 802.11n_40_Channel 151



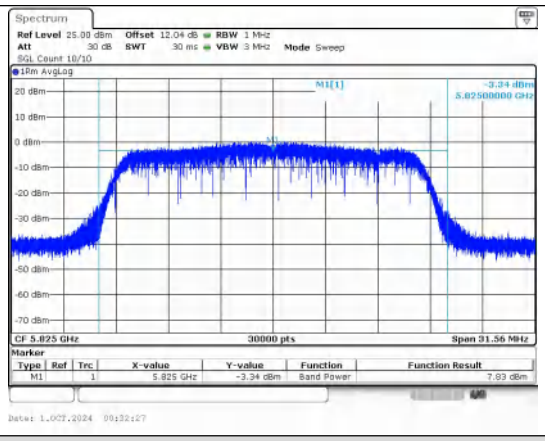

Conducted AVG output power
IEEE 802.11n_40_Channel 159



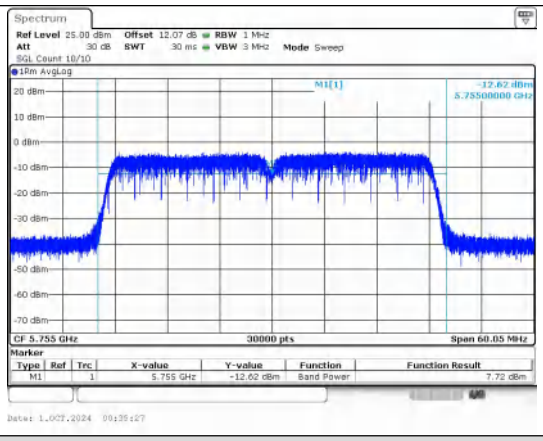

Conducted AVG output power
IEEE 802.11ac_20_Channel 149



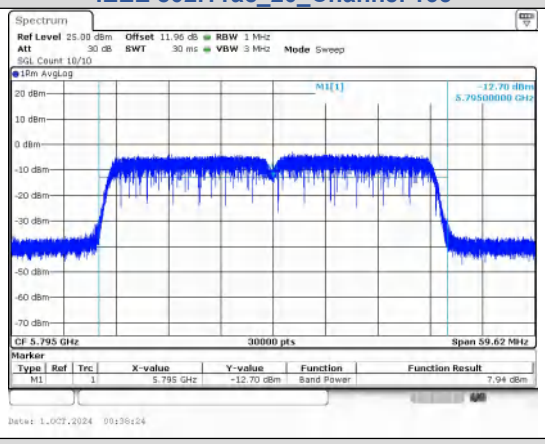

Conducted AVG output power
IEEE 802.11ac_20_Channel 157



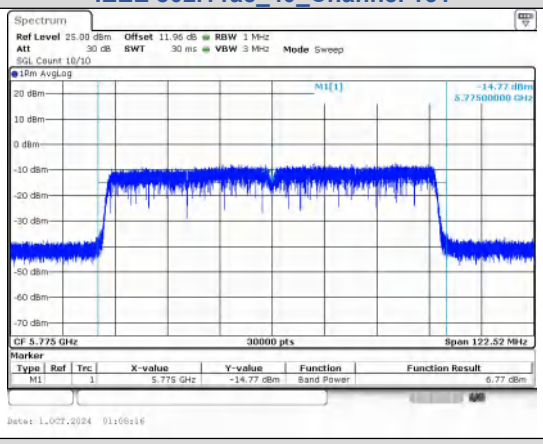

**Conducted AVG output power**
**IEEE 802.11ac_20_Channel 165**




**Conducted AVG output power**
**IEEE 802.11ac_40_Channel 151**




**Conducted AVG output power**
**IEEE 802.11ac_40_Channel 159**

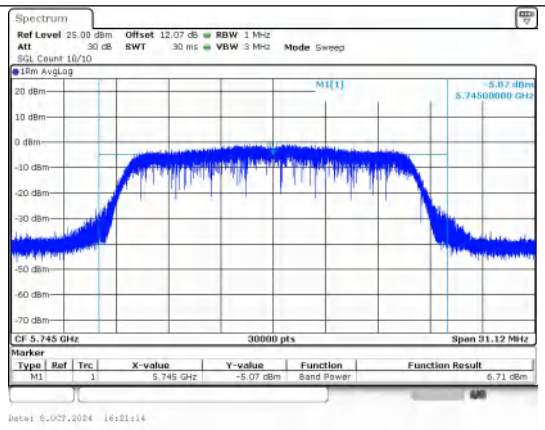



**Conducted AVG output power**
**IEEE 802.11ac_80_Channel 155**

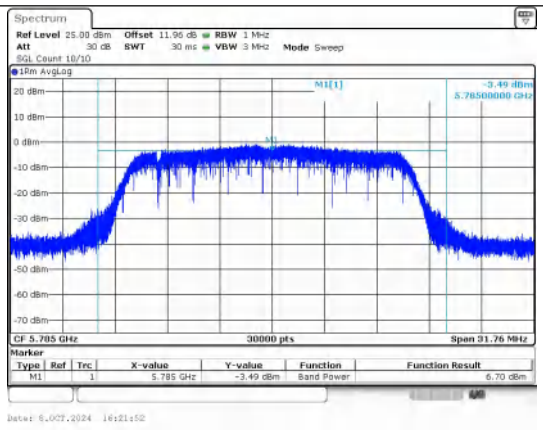
ANT2:

Conducted output power

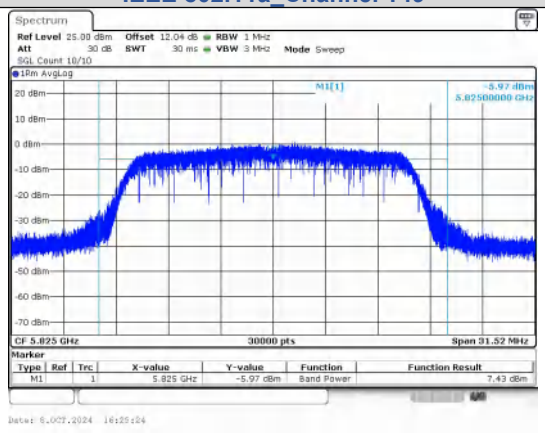
| Mode | Channel | Ant. 2 (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|
| IEEE 802.11a | 149 | 6.71 | ≤30 | PASS |
| | 157 | 6.70 | ≤30 | PASS |
| | 165 | 7.43 | ≤30 | PASS |
| IEEE 802.11n_20 | 149 | 7.01 | ≤30 | PASS |
| | 157 | 10.06 | ≤30 | PASS |
| | 165 | 7.34 | ≤30 | PASS |
| IEEE 802.11n_40 | 151 | 8.38 | ≤30 | PASS |
| | 159 | 7.27 | ≤30 | PASS |
| IEEE 802.11ac_20 | 149 | 7.45 | ≤30 | PASS |
| | 157 | 8.10 | ≤30 | PASS |
| | 165 | 8.63 | ≤30 | PASS |
| IEEE 802.11ac_40 | 151 | 8.34 | ≤30 | PASS |
| | 159 | 8.78 | ≤30 | PASS |
| IEEE 802.11ac_80 | 155 | 7.30 | ≤30 | PASS |



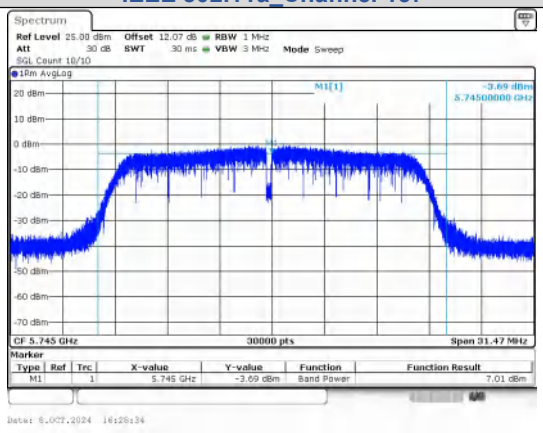

Conducted AVG output power
IEEE 802.11a_Channel 149



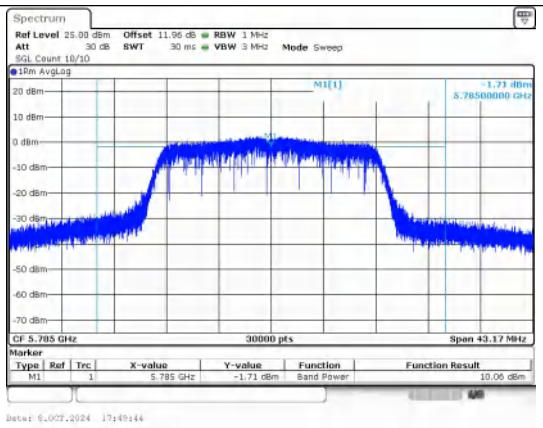

Conducted AVG output power
IEEE 802.11a_Channel 157



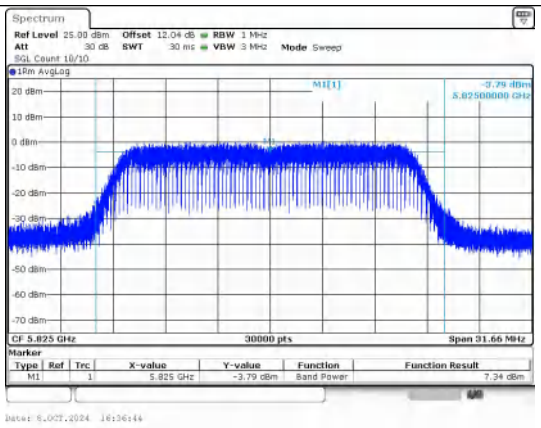

Conducted AVG output power
IEEE 802.11a_Channel 165



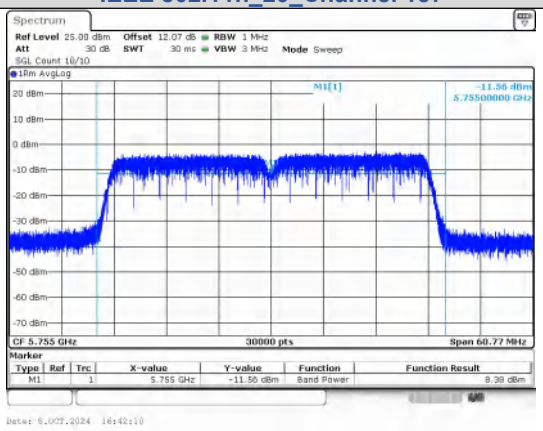

Conducted AVG output power
IEEE 802.11n_20_Channel 149



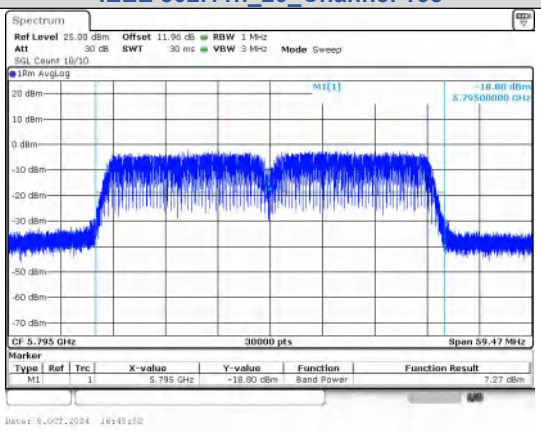

Conducted AVG output power
IEEE 802.11n_20_Channel 157



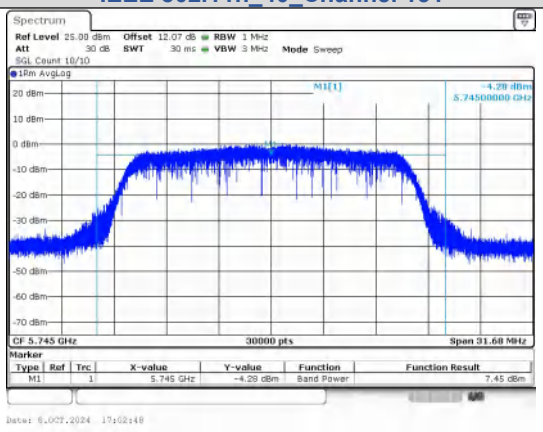

Conducted AVG output power
IEEE 802.11n_20_Channel 165



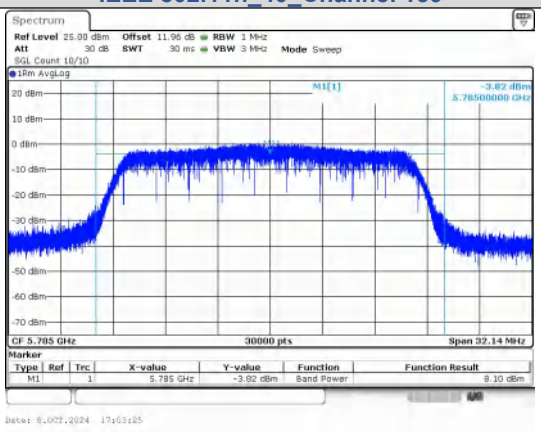

Conducted AVG output power
IEEE 802.11n_40_Channel 151



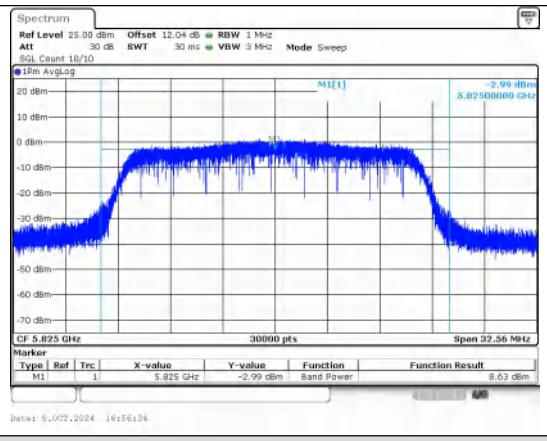

Conducted AVG output power
IEEE 802.11n_40_Channel 159



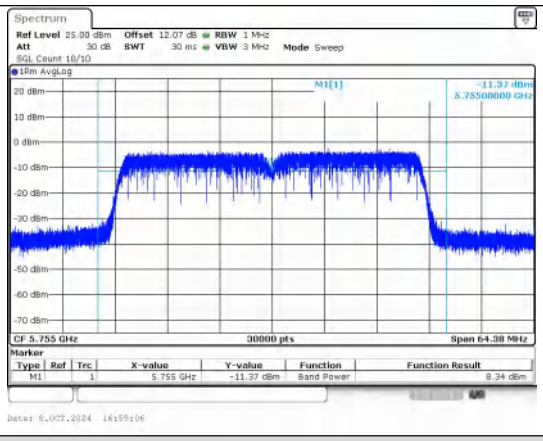

Conducted AVG output power
IEEE 802.11ac_20_Channel 149



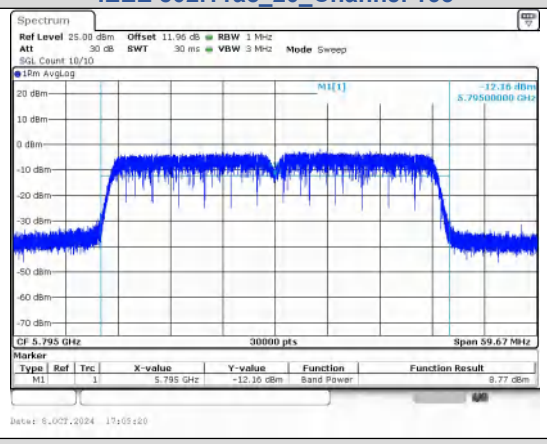

Conducted AVG output power
IEEE 802.11ac_20_Channel 157



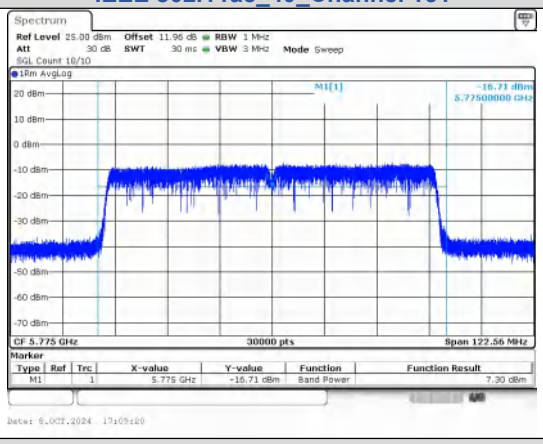

Conducted AVG output power
IEEE 802.11ac_20_Channel 165




Conducted AVG output power
IEEE 802.11ac_40_Channel 151




Conducted AVG output power
IEEE 802.11ac_40_Channel 159




Conducted AVG output power
IEEE 802.11ac_80_Channel 155

MIMO

| Mode | Channel | Ant. 1 (dBm) | Ant. 2 (dBm) | MIMO (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|
| IEEE 802.11n_20 | 149 | 7.42 | 6.71 | 10.09 | ≤30 | PASS |
| | 157 | 7.66 | 6.70 | 10.22 | ≤30 | PASS |
| | 165 | 8.24 | 7.43 | 10.86 | ≤30 | PASS |
| IEEE 802.11n_40 | 151 | 7.92 | 7.01 | 10.50 | ≤30 | PASS |
| | 159 | 8.70 | 10.06 | 12.44 | ≤30 | PASS |
| IEEE 802.11ac_20 | 149 | 7.57 | 7.34 | 10.47 | ≤30 | PASS |
| | 157 | 7.26 | 8.38 | 10.87 | ≤30 | PASS |
| | 165 | 7.83 | 7.27 | 10.57 | ≤30 | PASS |
| IEEE 802.11ac_40 | 151 | 7.73 | 7.45 | 10.60 | ≤30 | PASS |
| | 159 | 7.94 | 8.10 | 11.03 | ≤30 | PASS |
| IEEE 802.11ac_80 | 155 | 6.77 | 8.63 | 10.81 | ≤30 | PASS |

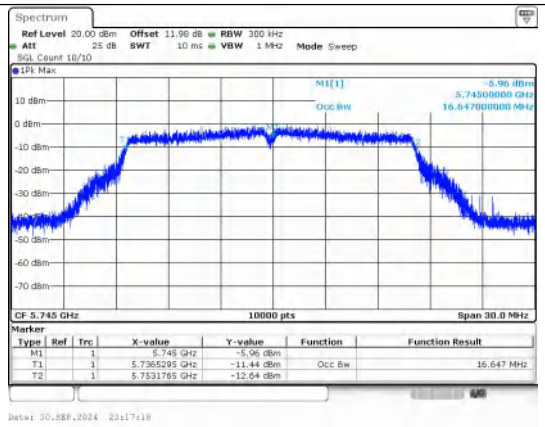
## 99% Bandwidth

ANT1:

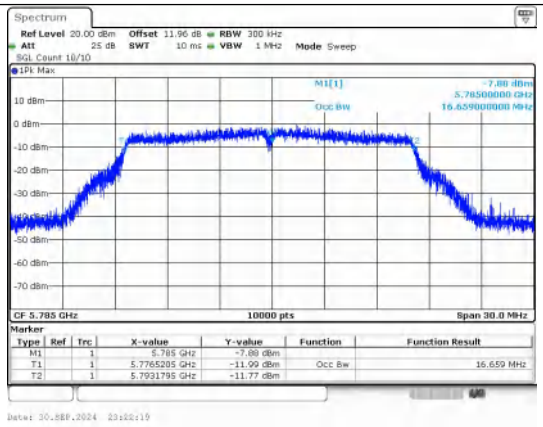
**Test Result**

| Mode | Channel | RU & Index | Ant. | Center Frequency (MHz) | 99% BW (MHz) |
|---|---|---|---|---|---|
| IEEE 802.11a | 149 | N/A | 1 | 5745 | 16.647 |
| | 157 | | | 5785 | 16.659 |
| | 165 | | | 5825 | 16.656 |
| IEEE 802.11n_20 | 149 | | | 5745 | 17.820 |
| | 157 | | | 5785 | 17.841 |
| | 165 | | | 5825 | 17.817 |
| IEEE 802.11n_40 | 151 | | | 5755 | 36.288 |
| | 159 | | | 5795 | 36.246 |
| IEEE 802.11ac_20 | 149 | | | 5745 | 17.805 |
| | 157 | | | 5785 | 17.829 |
| | 165 | | | 5825 | 17.808 |
| IEEE 802.11ac_40 | 151 | | | 5755 | 36.282 |
| | 159 | | | 5795 | 36.234 |
| IEEE 802.11ac_80 | 155 | | | 5775 | 75.840 |

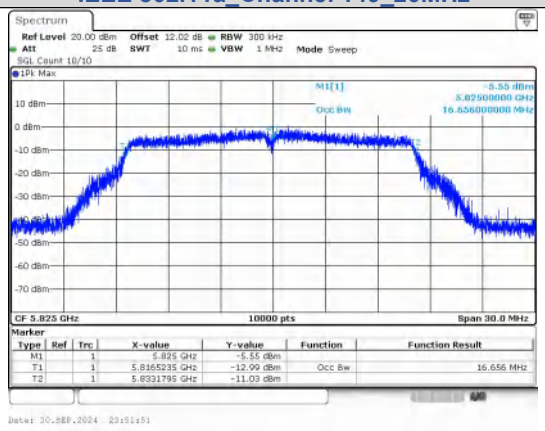
**Test Graphs**



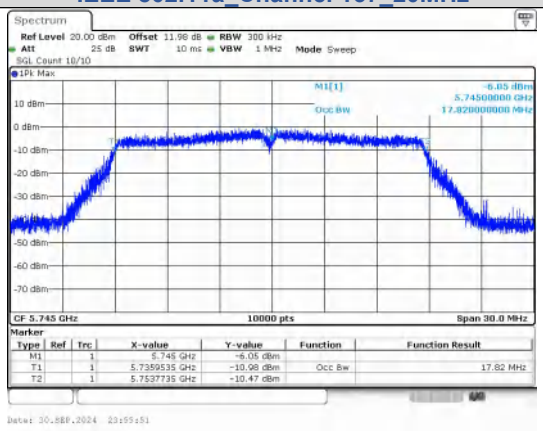

IEEE 802.11a_Channel 149_20MHz



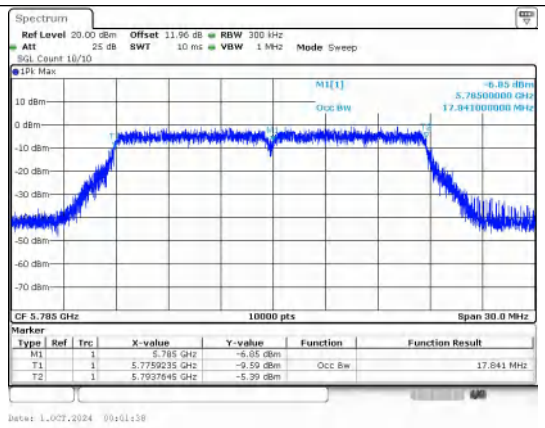

IEEE 802.11a_Channel 157_20MHz



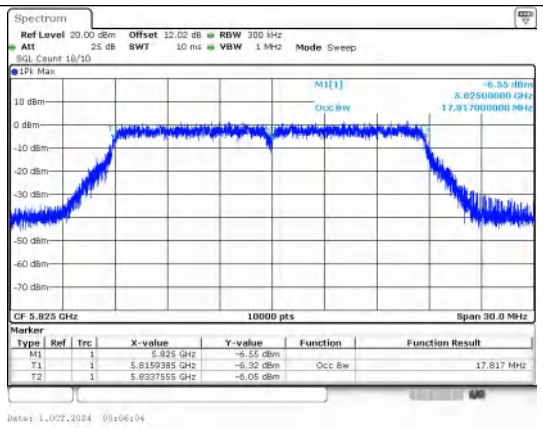

IEEE 802.11a_Channel 165_20MHz



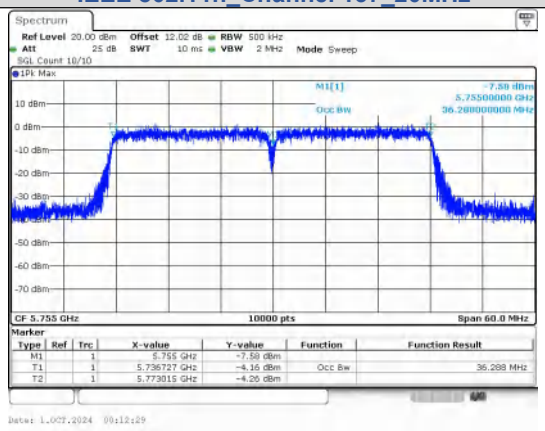

IEEE 802.11n_Channel 149_20MHz



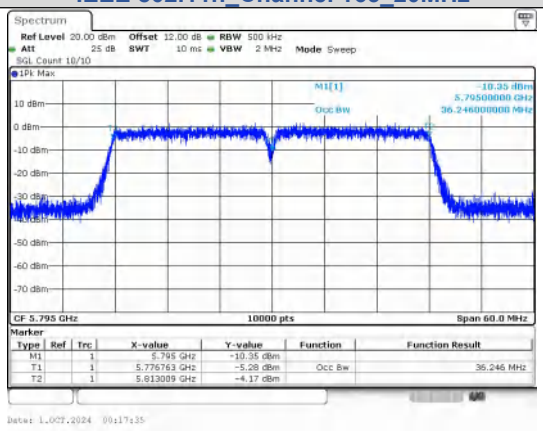

IEEE 802.11n_Channel 157_20MHz



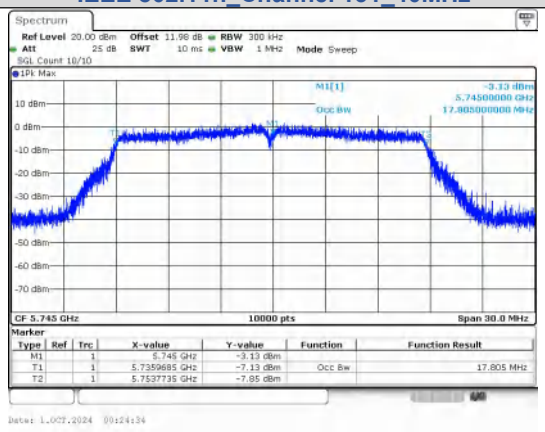

IEEE 802.11n_Channel 165_20MHz



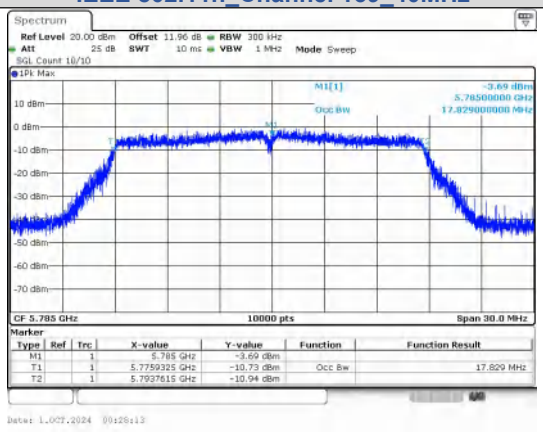

IEEE 802.11n_Channel 151_40MHz



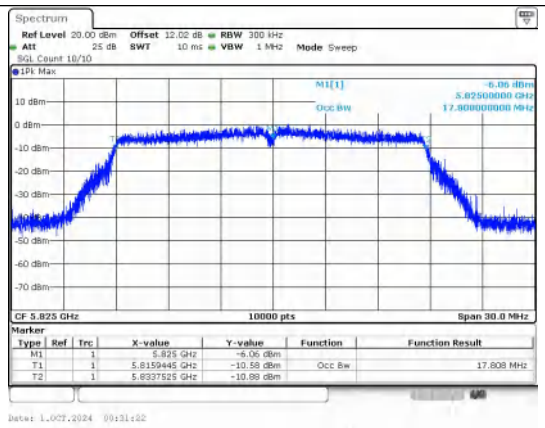

IEEE 802.11n_Channel 159_40MHz



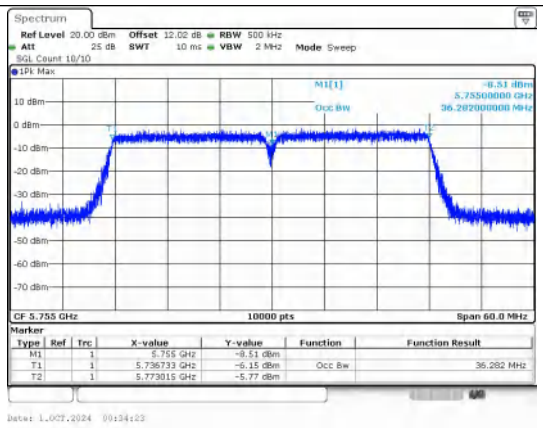

IEEE 802.11ac_Channel 149_20MHz



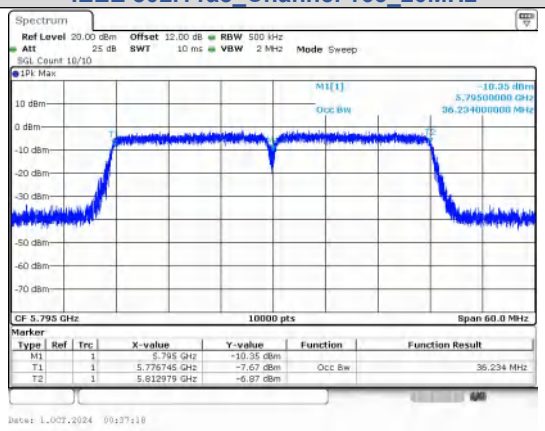

IEEE 802.11ac_Channel 157_20MHz



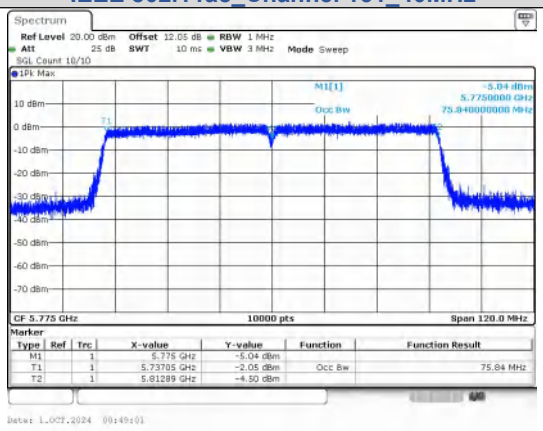

IEEE 802.11ac_Channel 165_20MHz




IEEE 802.11ac_Channel 151_40MHz




IEEE 802.11ac_Channel 159_40MHz



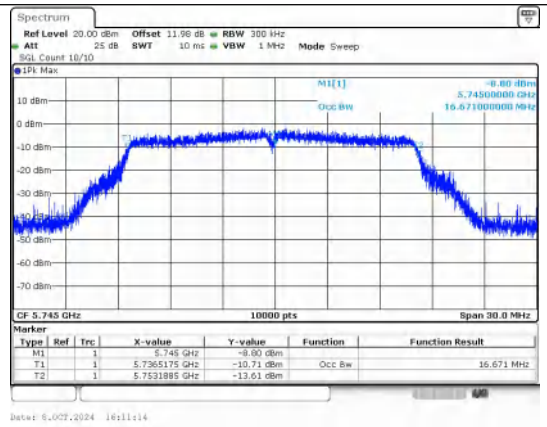

IEEE 802.11ac_Channel 155_80MHz

ANT2:

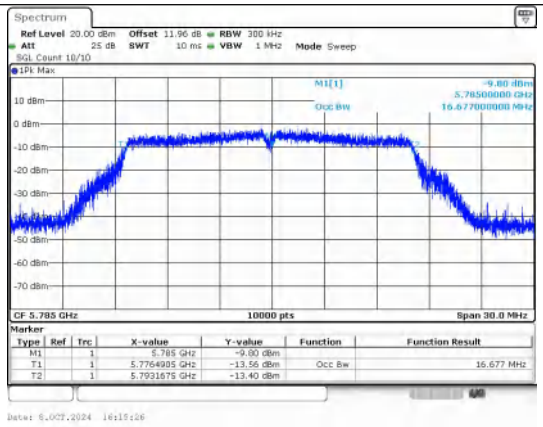
**Test Result**

| Mode | Channel | Ant. | Center Frequency (MHz) | 99% BW (MHz) |
|---|---|---|---|---|
| IEEE 802.11a | 149 | 2 | 5745 | 16.671 |
| | 157 | | 5785 | 16.677 |
| | 165 | | 5825 | 16.692 |
| IEEE 802.11n_20 | 149 | | 5745 | 17.808 |
| | 157 | | 5785 | 17.916 |
| | 165 | | 5825 | 17.850 |
| IEEE 802.11n_40 | 151 | | 5755 | 36.294 |
| | 159 | | 5795 | 36.312 |
| IEEE 802.11ac_20 | 149 | | 5745 | 17.820 |
| | 157 | | 5785 | 17.814 |
| | 165 | | 5825 | 17.817 |
| IEEE 802.11ac_40 | 151 | | 5755 | 36.342 |
| | 159 | | 5795 | 36.246 |
| IEEE 802.11ac_80 | 155 | | 5775 | 75.864 |

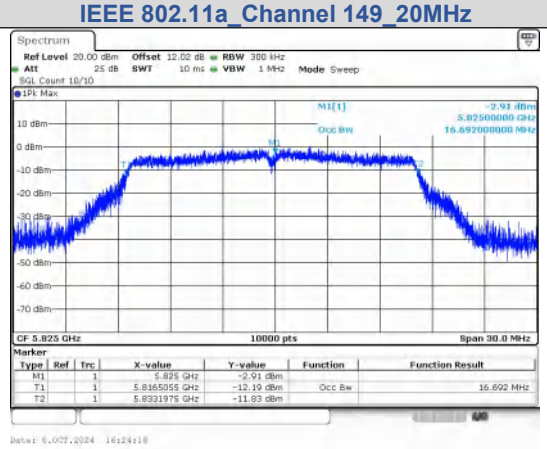
**Test Graphs**



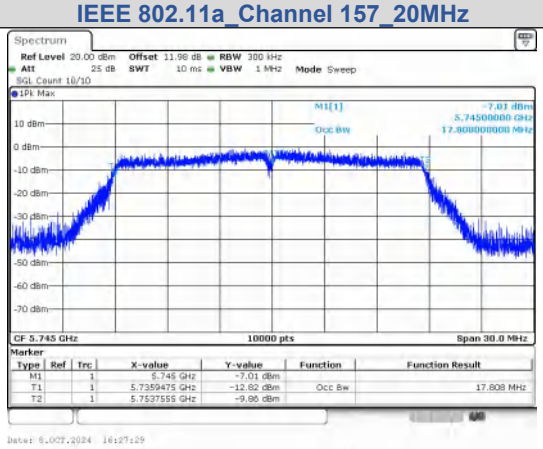

IEEE 802.11a_Channel 149_20MHz



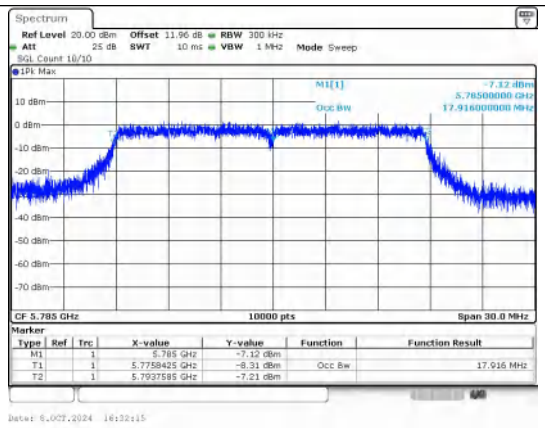

IEEE 802.11a_Channel 157_20MHz



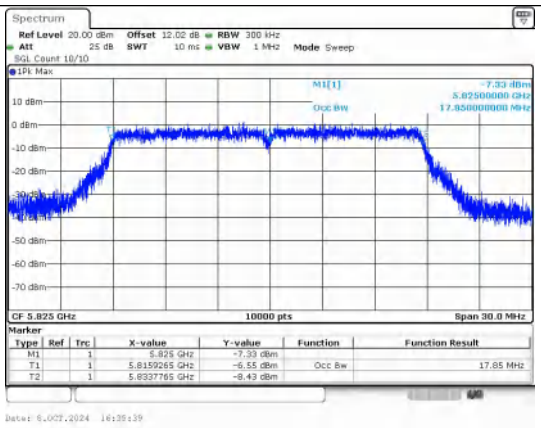

IEEE 802.11a_Channel 165_20MHz



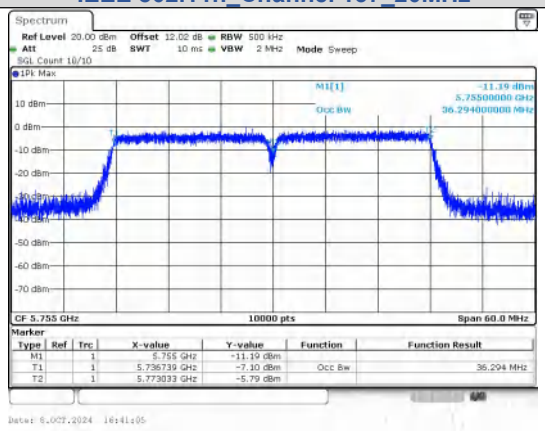

IEEE 802.11n_Channel 149_20MHz



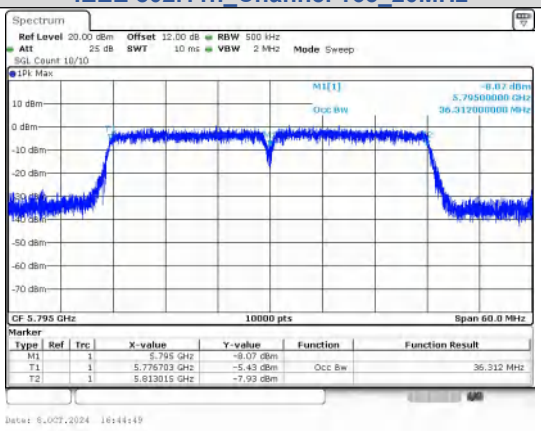

IEEE 802.11n_Channel 157_20MHz



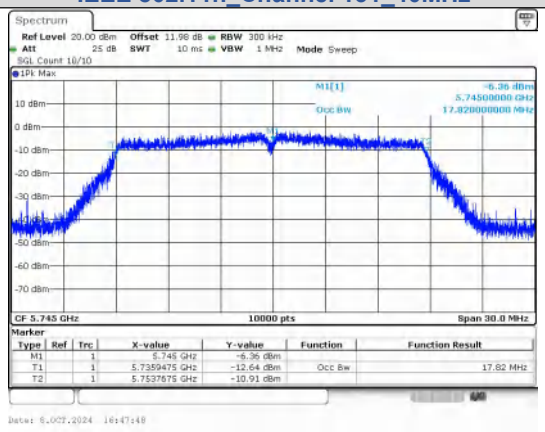

IEEE 802.11n_Channel 165_20MHz



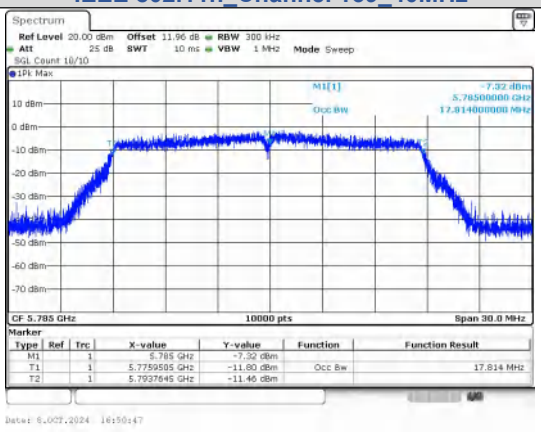

IEEE 802.11n_Channel 151_40MHz



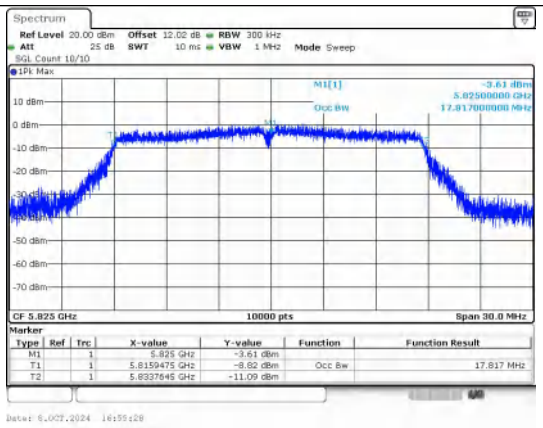

IEEE 802.11n_Channel 159_40MHz



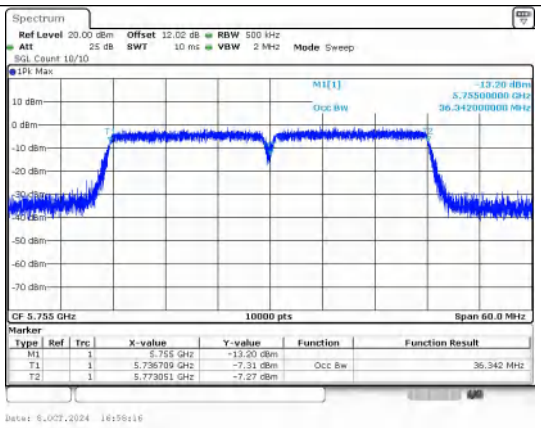

IEEE 802.11ac_Channel 149_20MHz



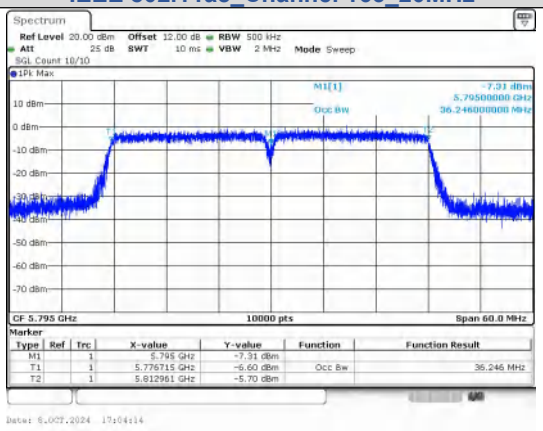

IEEE 802.11ac_Channel 157_20MHz



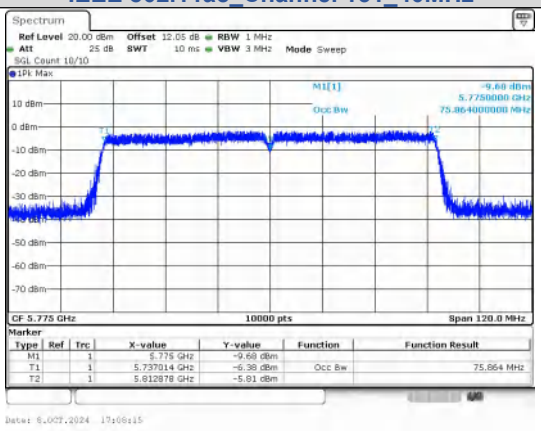

IEEE 802.11ac_Channel 165_20MHz




IEEE 802.11ac_Channel 151_40MHz




IEEE 802.11ac_Channel 159_40MHz




IEEE 802.11ac_Channel 155_80MHz

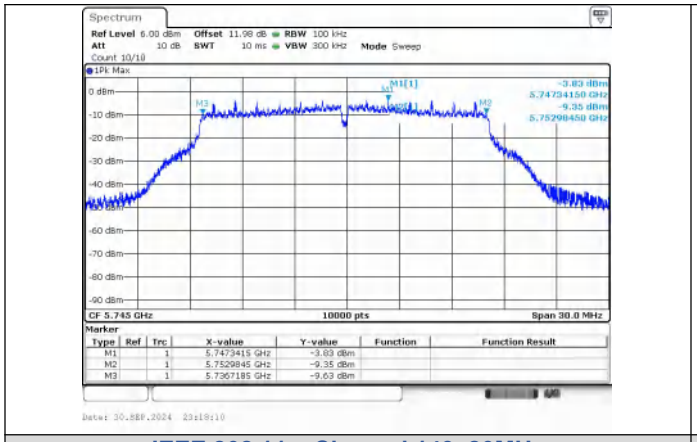
## 6dB Bandwidth

ANT1:

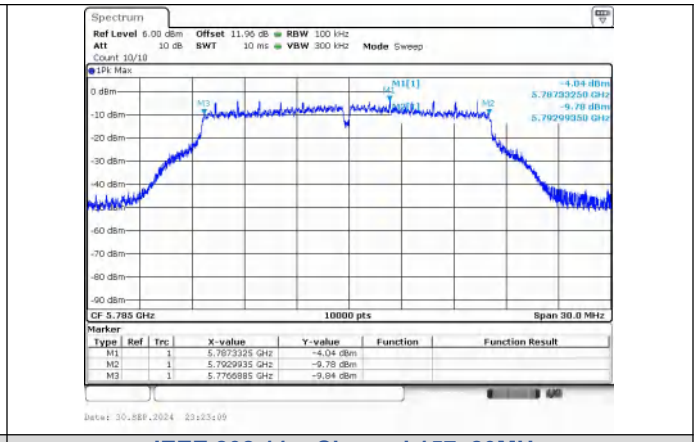
### Test Result

| Mode | Channel | RU & Index | Ant. | Center Frequency (MHz) | 6 dB Bandwidth (MHz) | Limit (MHz) | Result |
|---|---|---|---|---|---|---|---|
| IEEE 802.11a | 149 | N/A | 1 | 5745 | 16.26 | ≥0.5 | PASS |
| | 157 | | | 5785 | 16.30 | | PASS |
| | 165 | | | 5825 | 16.29 | | PASS |
| IEEE 802.11n_20 | 149 | | | 5745 | 17.53 | | PASS |
| | 157 | | | 5785 | 17.70 | | PASS |
| | 165 | | | 5825 | 17.70 | | PASS |
| IEEE 802.11n_40 | 151 | | | 5755 | 36.42 | | PASS |
| | 159 | | | 5795 | 36.40 | | PASS |
| IEEE 802.11ac_20 | 149 | | | 5745 | 17.16 | | PASS |
| | 157 | | | 5785 | 17.52 | | PASS |
| | 165 | | | 5825 | 17.28 | | PASS |
| IEEE 802.11ac_40 | 151 | | | 5755 | 36.30 | | PASS |
| | 159 | | | 5795 | 36.29 | | PASS |
| IEEE 802.11ac_80 | 155 | | | 5775 | 75.90 | | PASS |
| IEEE 802.11ax_20 | 149 | SU | | 5745 | 30.00 | | PASS |

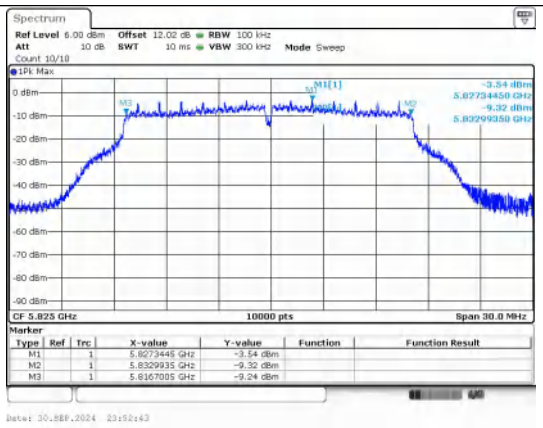
### Test Graphs



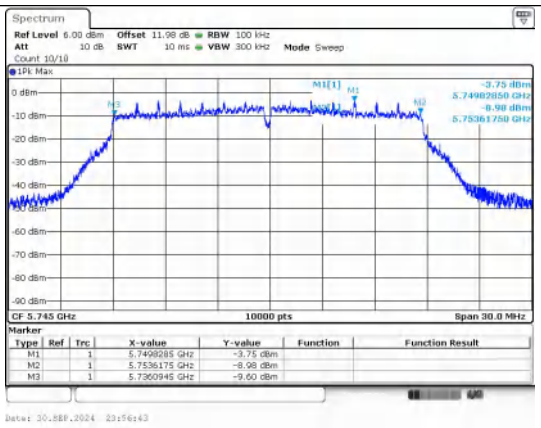

IEEE 802.11a_Channel 149_20MHz



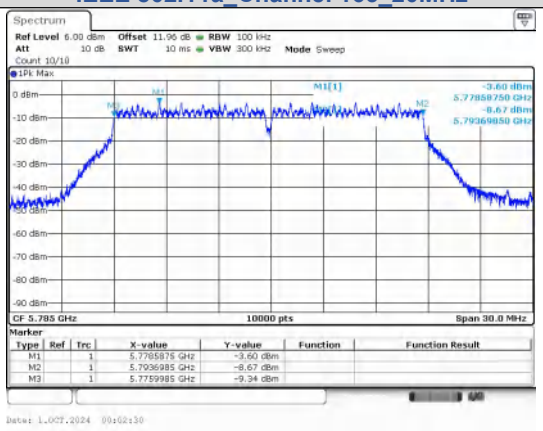

IEEE 802.11a_Channel 157_20MHz



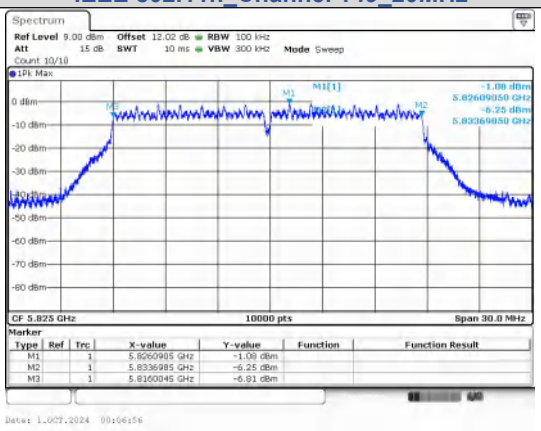

IEEE 802.11a_Channel 165_20MHz



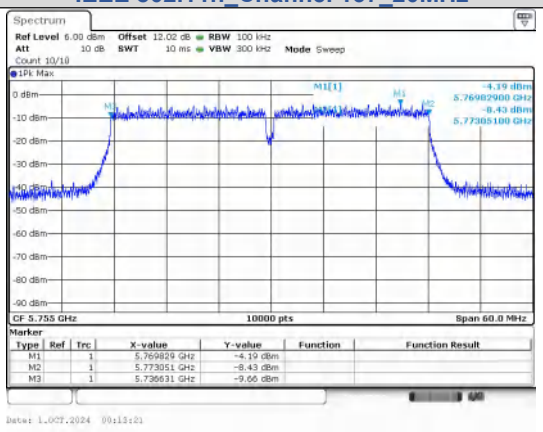

IEEE 802.11n_Channel 149_20MHz



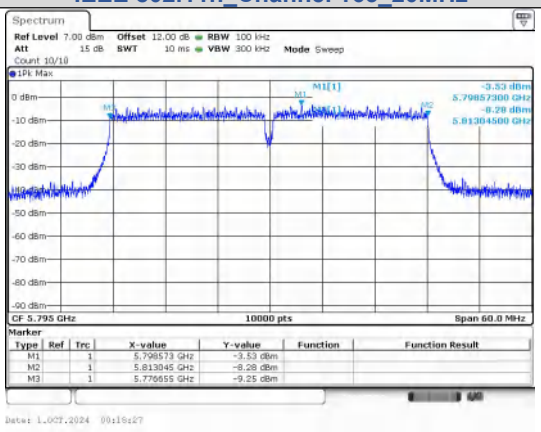

IEEE 802.11n_Channel 157_20MHz



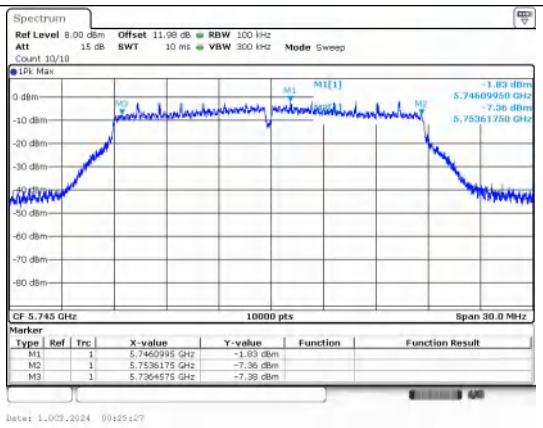

IEEE 802.11n_Channel 165_20MHz



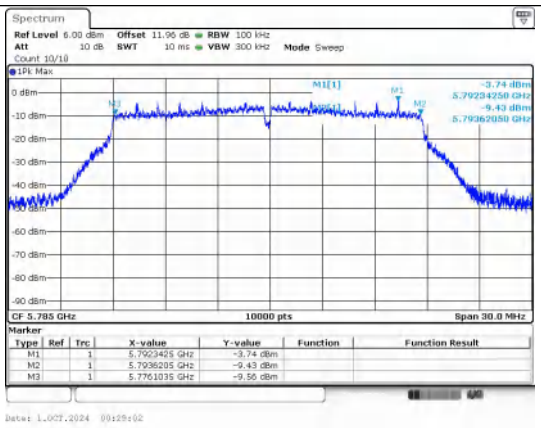

IEEE 802.11n_Channel 151_40MHz



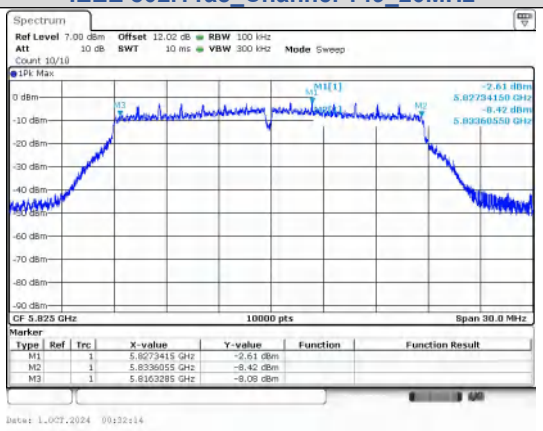

IEEE 802.11n_Channel 159_40MHz



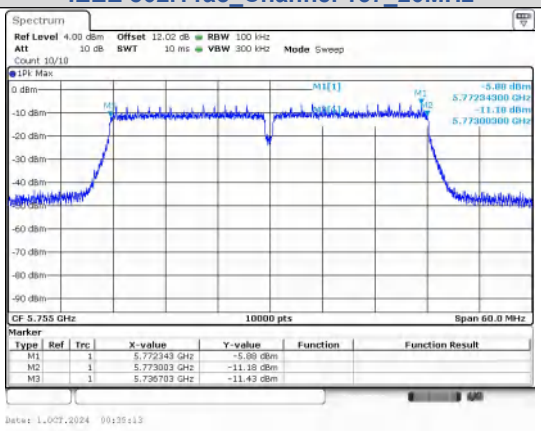

IEEE 802.11ac_Channel 149_20MHz



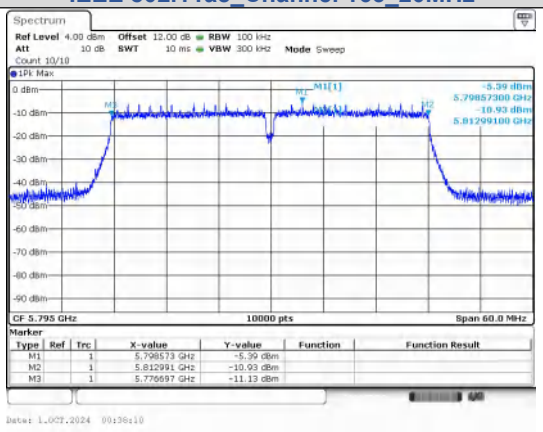

IEEE 802.11ac_Channel 157_20MHz



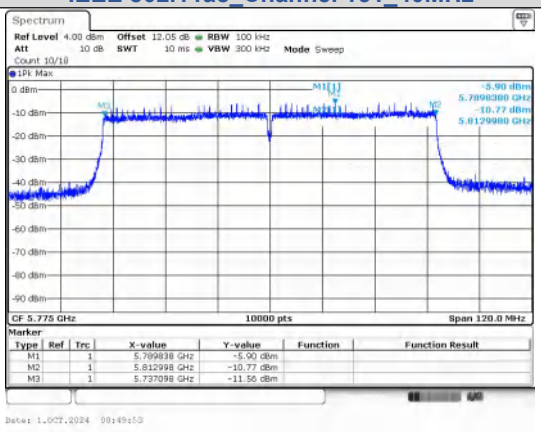

IEEE 802.11ac_Channel 165_20MHz



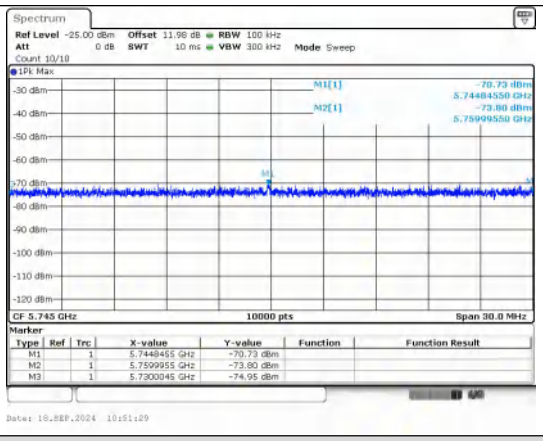

IEEE 802.11ac_Channel 151_40MHz




IEEE 802.11ac_Channel 159_40MHz




IEEE 802.11ac_Channel 155_80MHz



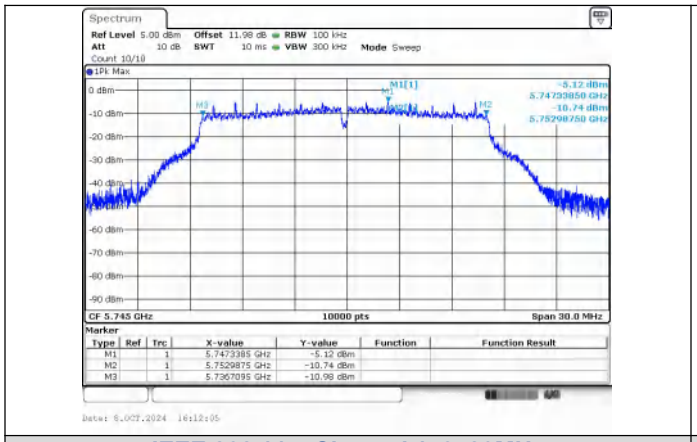

**IEEE 802.11ax_Channel 149_20MHz _RU&Index SU**

ANT2:

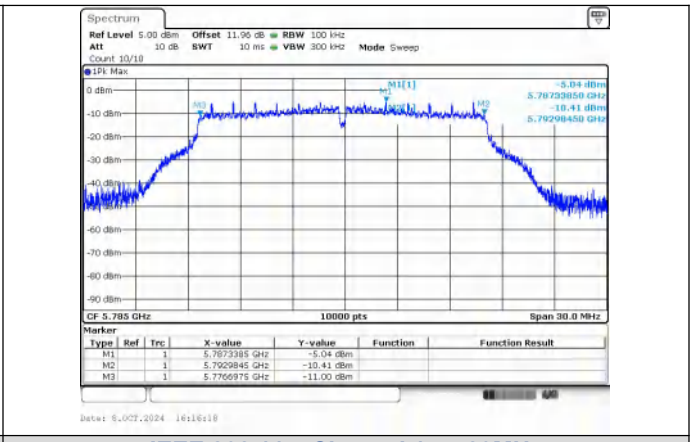
**Test Result**

| Mode | Channel | Ant. | Center Frequency (MHz) | 6 dB Bandwidth (MHz) | Limit (MHz) | Result |
|---|---|---|---|---|---|---|
| IEEE 802.11a | 149 | 2 | 5745 | 16.28 | ≥0.5 | PASS |
| | 157 | | 5785 | 16.28 | | PASS |
| | 165 | | 5825 | 16.30 | | PASS |
| IEEE 802.11n_20 | 149 | | 5745 | 17.52 | | PASS |
| | 157 | | 5785 | 17.71 | | PASS |
| | 165 | | 5825 | 17.70 | | PASS |
| IEEE 802.11n_40 | 151 | | 5755 | 36.30 | | PASS |
| | 159 | | 5795 | 36.41 | | PASS |
| IEEE 802.11ac_20 | 149 | | 5745 | 17.51 | | PASS |
| | 157 | | 5785 | 17.54 | | PASS |
| | 165 | | 5825 | 17.15 | | PASS |
| IEEE 802.11ac_40 | 151 | | 5755 | 36.31 | | PASS |
| | 159 | | 5795 | 36.27 | | PASS |
| IEEE 802.11ac_80 | 155 | | 5775 | 75.58 | | PASS |

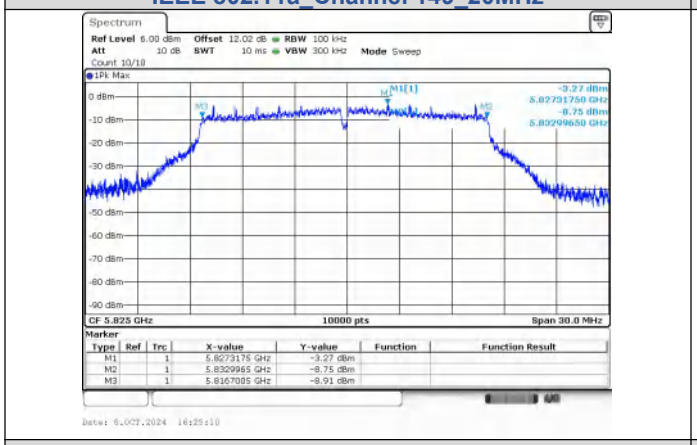
**Test Graphs**



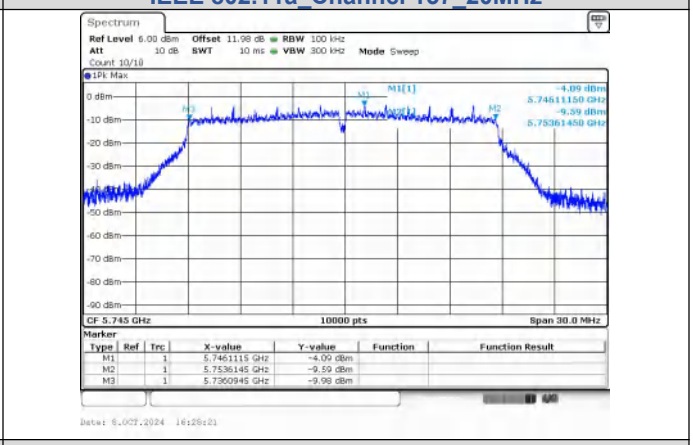

IEEE 802.11a_Channel 149_20MHz



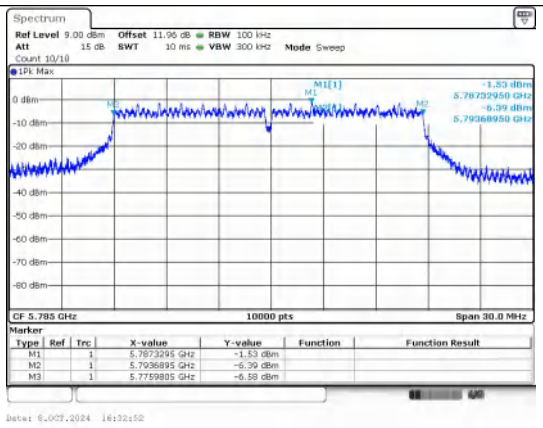

IEEE 802.11a_Channel 157_20MHz



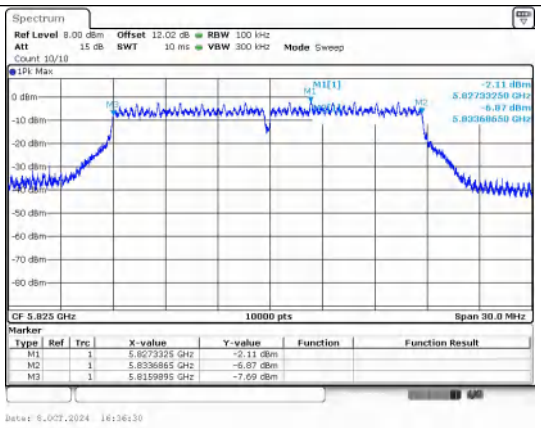

IEEE 802.11a_Channel 165_20MHz



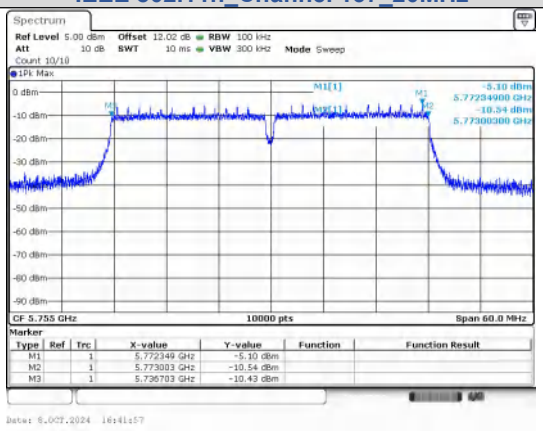

IEEE 802.11n_Channel 149_20MHz



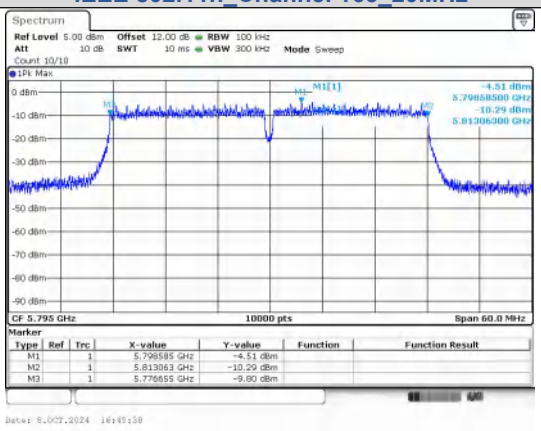

IEEE 802.11n_Channel 157_20MHz



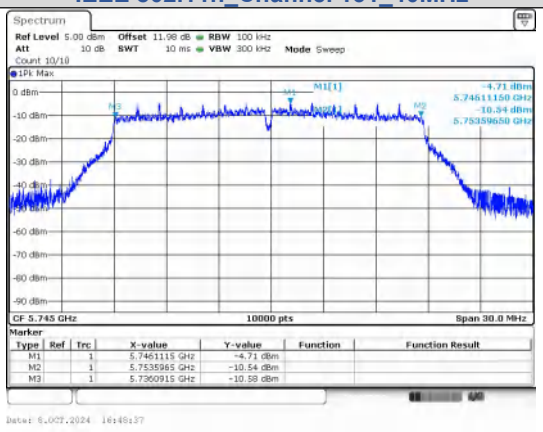

IEEE 802.11n_Channel 165_20MHz



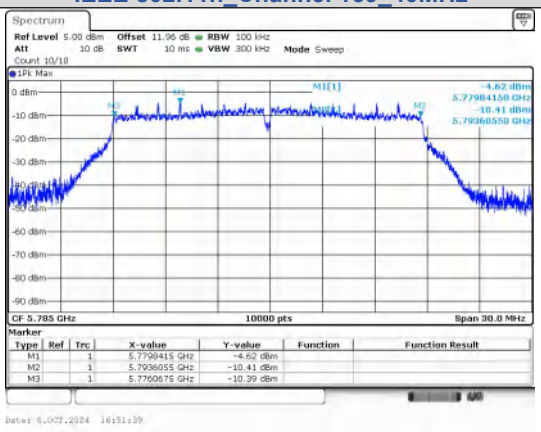

IEEE 802.11n_Channel 151_40MHz



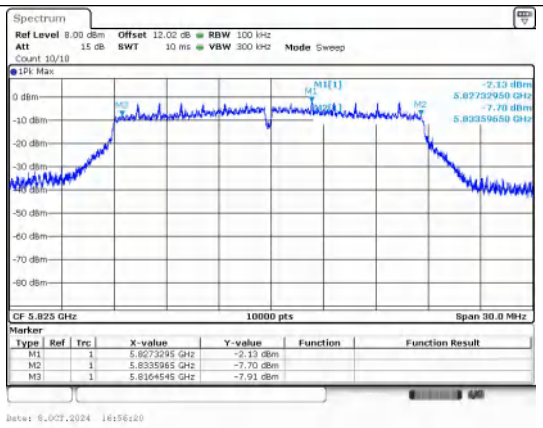

IEEE 802.11n_Channel 159_40MHz



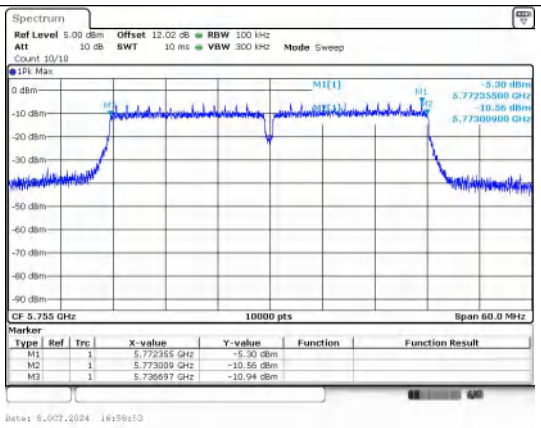

IEEE 802.11ac_Channel 149_20MHz



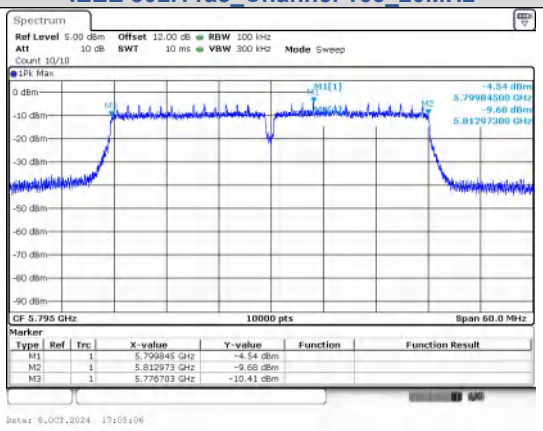

IEEE 802.11ac_Channel 157_20MHz



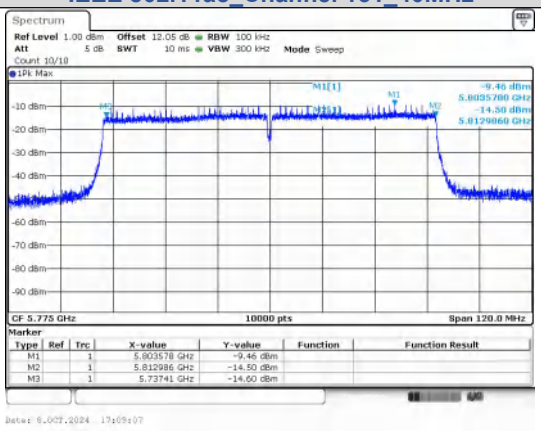

IEEE 802.11ac_Channel 165_20MHz




IEEE 802.11ac_Channel 151_40MHz




IEEE 802.11ac_Channel 159_40MHz




IEEE 802.11ac_Channel 155_80MHz

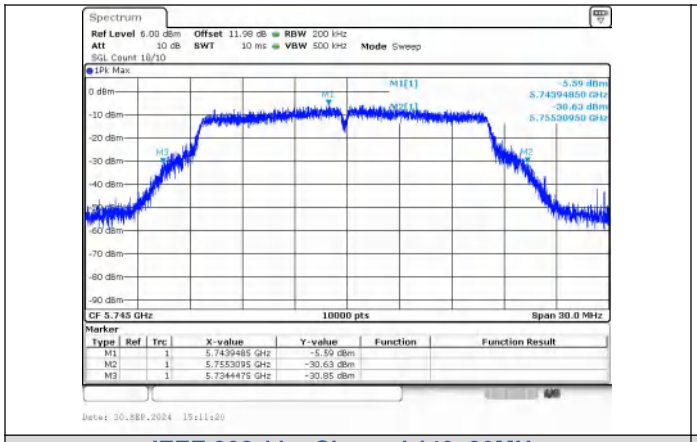
## 26dB Bandwidth

ANT1:

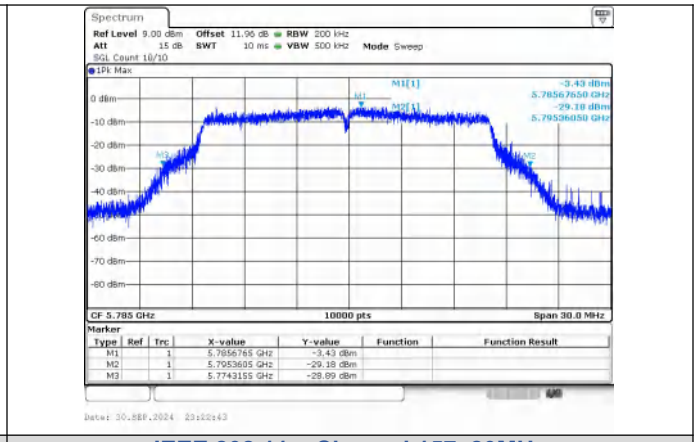
### Test Result

| Mode | Channel | Ant. | Center Frequency (MHz) | 26 dB Bandwidth (MHz) | RBW/EBW |
|---|---|---|---|---|---|
| IEEE 802.11a | 149 | 1 | 5745 | 20.74 | 1.12 |
| | 157 | | 5785 | 21.12 | 1.1 |
| | 165 | | 5825 | 21.05 | 1.11 |
| IEEE 802.11n_20 | 149 | | 5745 | 20.99 | 1.13 |
| | 157 | | 5785 | 28.77 | 1.04 |
| | 165 | | 5825 | 21.13 | 1.13 |
| IEEE 802.11n_40 | 151 | | 5755 | 40.52 | 1.05 |
| | 159 | | 5795 | 39.65 | 1.06 |
| IEEE 802.11ac_20 | 149 | | 5745 | 21.13 | 1.12 |
| | 157 | | 5785 | 21.44 | 1.1 |
| | 165 | | 5825 | 21.74 | 1.07 |
| IEEE 802.11ac_40 | 151 | | 5755 | 42.91 | 1.19 |
| | 159 | | 5795 | 39.77 | 1.11 |
| IEEE 802.11ac_80 | 155 | | 5775 | 81.73 | 1.03 |

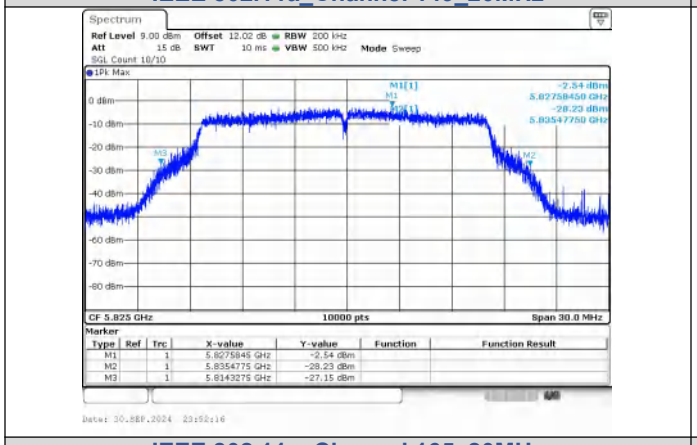
### Test Graphs



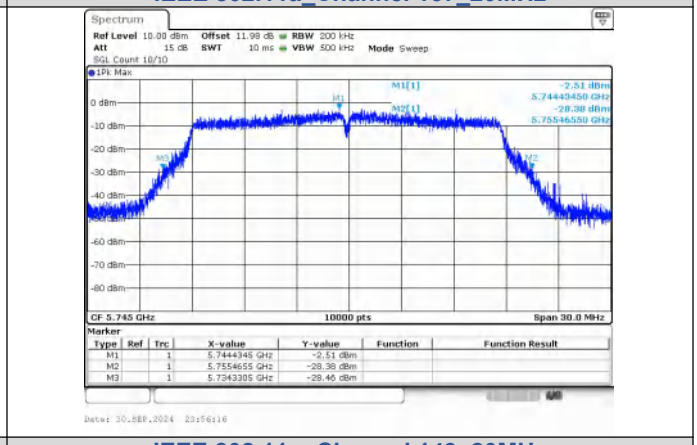

IEEE 802.11a_Channel 149_20MHz



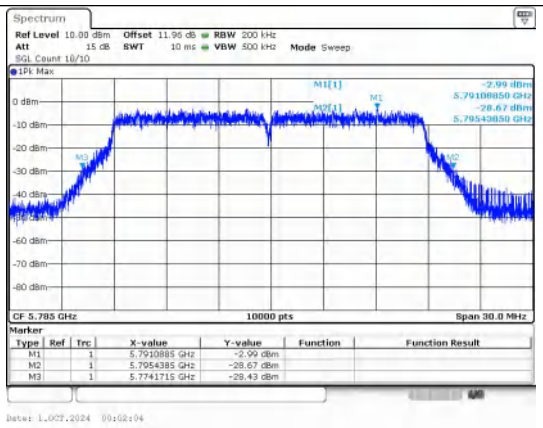

IEEE 802.11a_Channel 157_20MHz



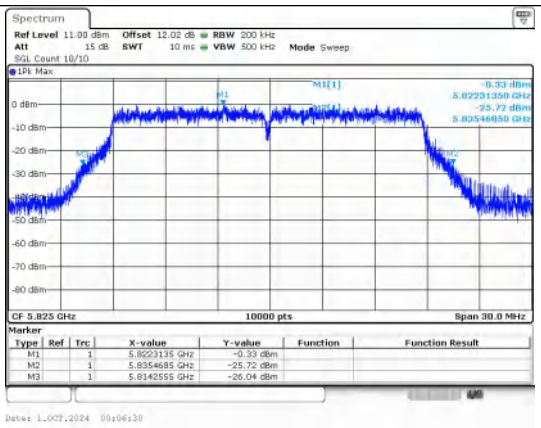

IEEE 802.11a_Channel 165_20MHz



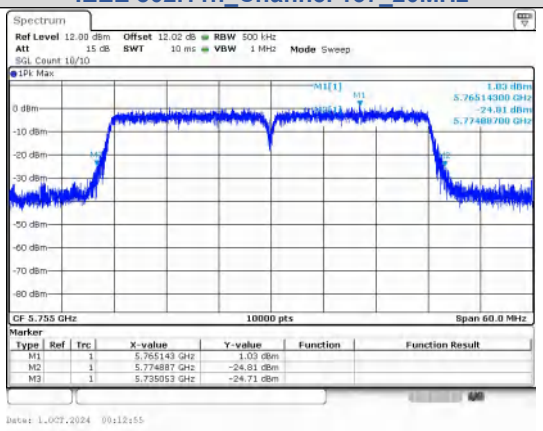

IEEE 802.11n_Channel 149_20MHz



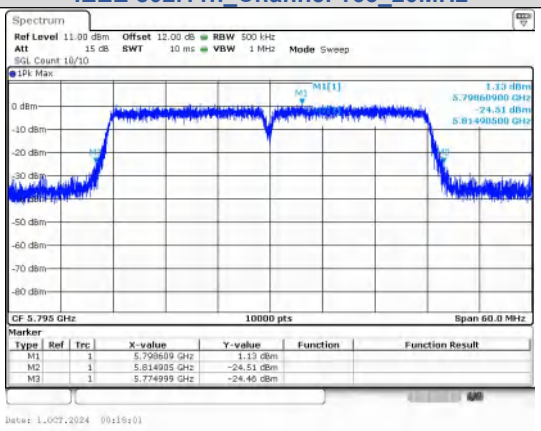

IEEE 802.11n_Channel 157_20MHz



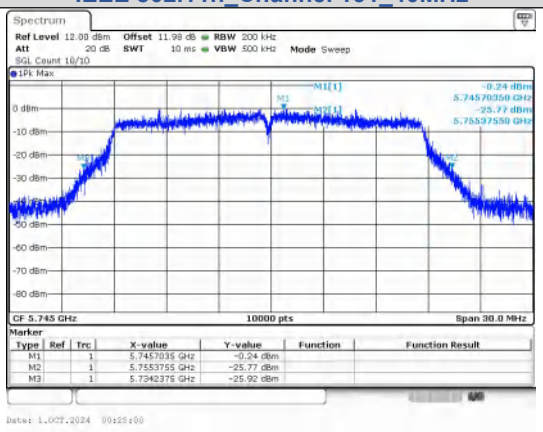

IEEE 802.11n_Channel 165_20MHz



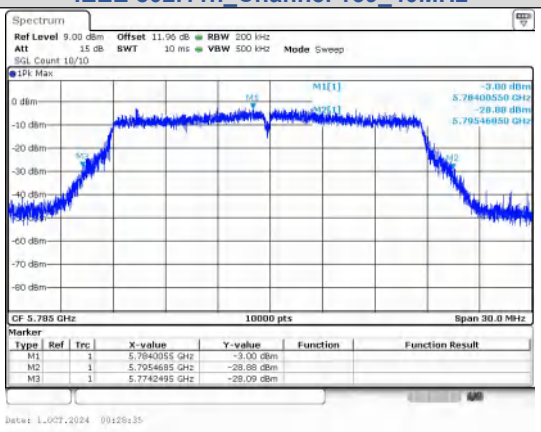

IEEE 802.11n_Channel 151_40MHz



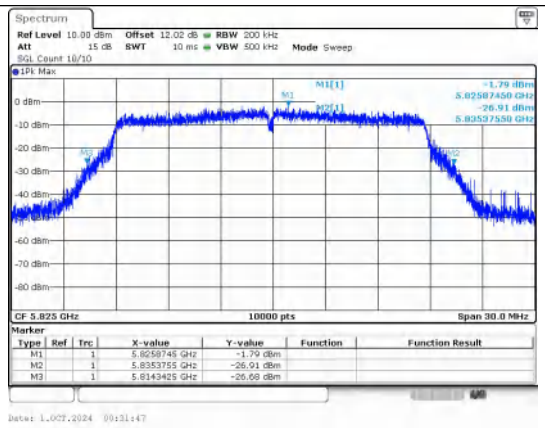

IEEE 802.11n_Channel 159_40MHz



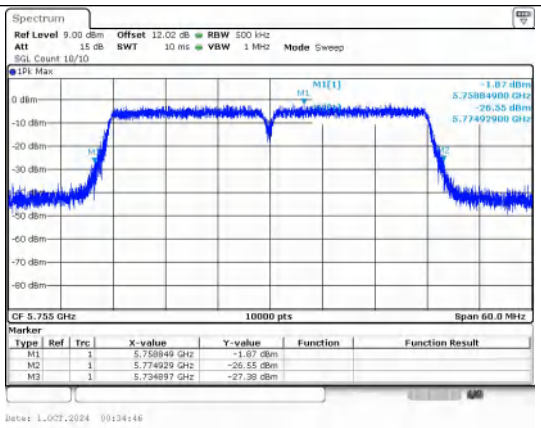

IEEE 802.11ac_Channel 149_20MHz



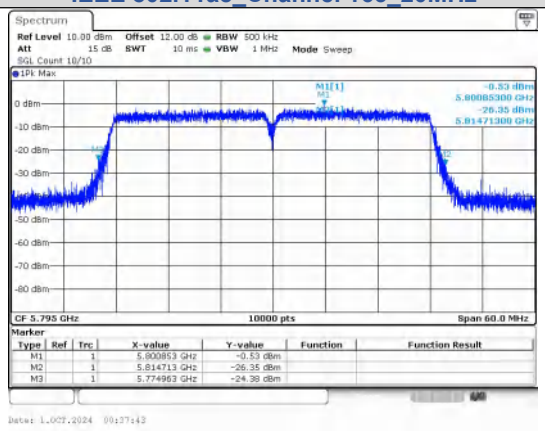

IEEE 802.11ac_Channel 157_20MHz



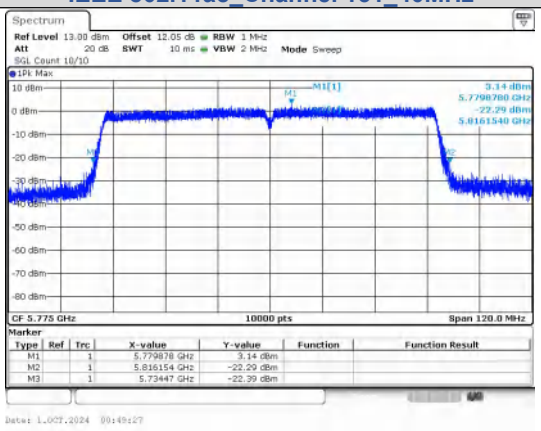

IEEE 802.11ac_Channel 165_20MHz




IEEE 802.11ac_Channel 151_40MHz




IEEE 802.11ac_Channel 159_40MHz



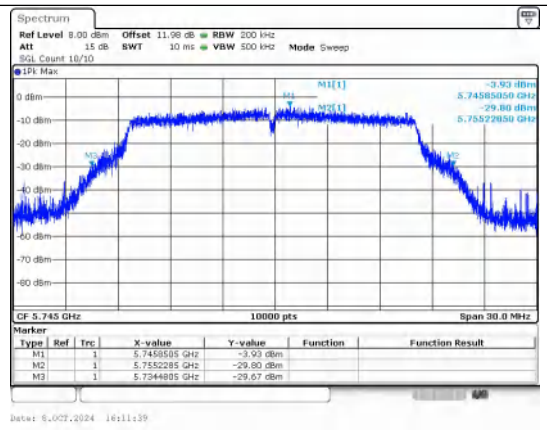

IEEE 802.11ac_Channel 155_80MHz

ANT2:

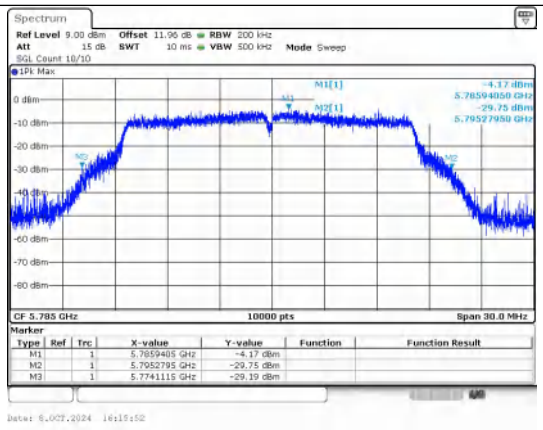
**Test Result**

| Mode | Channel | Ant. | Center Frequency (MHz) | 26 dB Bandwidth (MHz) | RBW/EBW |
|---|---|---|---|---|---|
| IEEE 802.11a | 149 | 2 | 5745 | 20.75 | 1.12 |
| | 157 | | 5785 | 21.17 | 1.1 |
| | 165 | | 5825 | 21.01 | 1.11 |
| IEEE 802.11n_20 | 149 | | 5745 | 20.98 | 1.13 |
| | 157 | | 5785 | 28.78 | 1.04 |
| | 165 | | 5825 | 21.11 | 1.13 |
| IEEE 802.11n_40 | 151 | | 5755 | 40.51 | 1.05 |
| | 159 | | 5795 | 39.65 | 1.06 |
| IEEE 802.11ac_20 | 149 | | 5745 | 21.12 | 1.12 |
| | 157 | | 5785 | 21.43 | 1.1 |
| | 165 | | 5825 | 21.71 | 1.07 |
| IEEE 802.11ac_40 | 151 | | 5755 | 42.92 | 1.19 |
| | 159 | | 5795 | 39.78 | 1.11 |
| IEEE 802.11ac_80 | 155 | | 5775 | 81.71 | 1.03 |

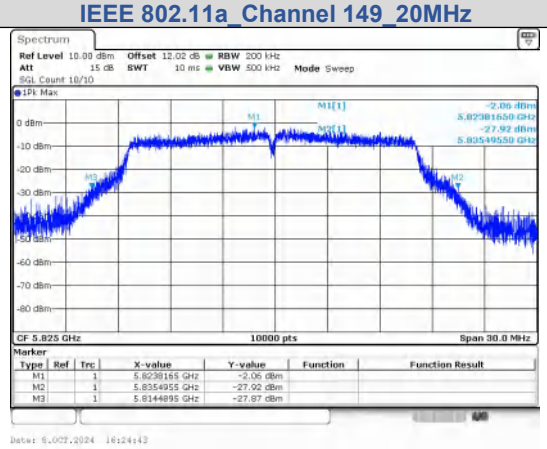
**Test Graphs**



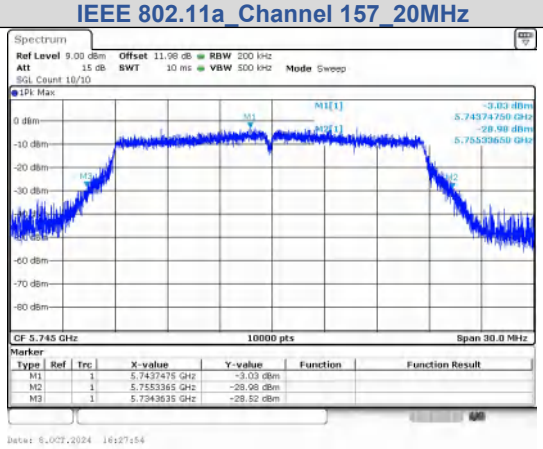

IEEE 802.11a_Channel 149_20MHz



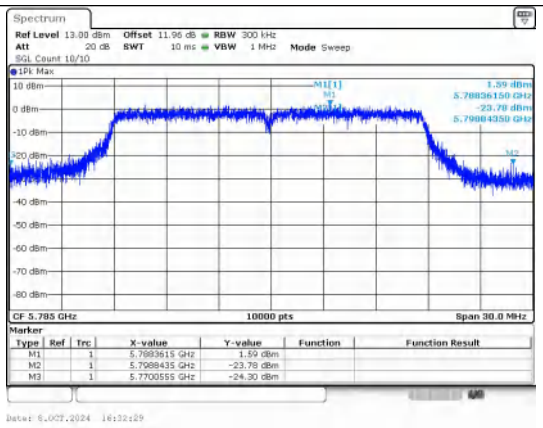

IEEE 802.11a_Channel 157_20MHz



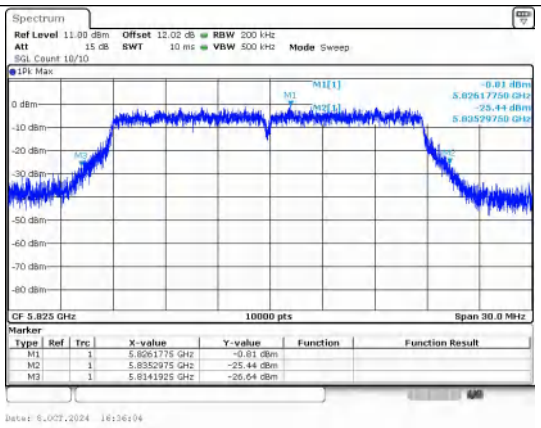

IEEE 802.11a_Channel 165_20MHz



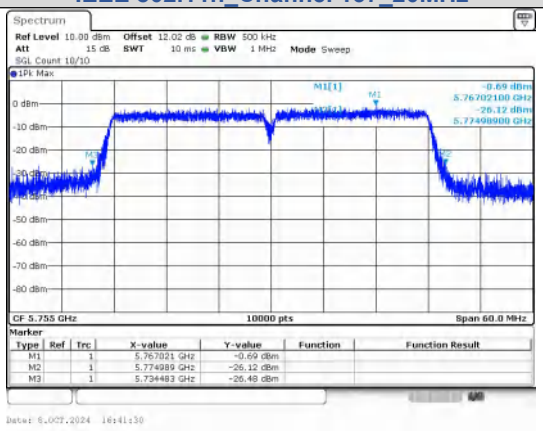

IEEE 802.11n_Channel 149_20MHz



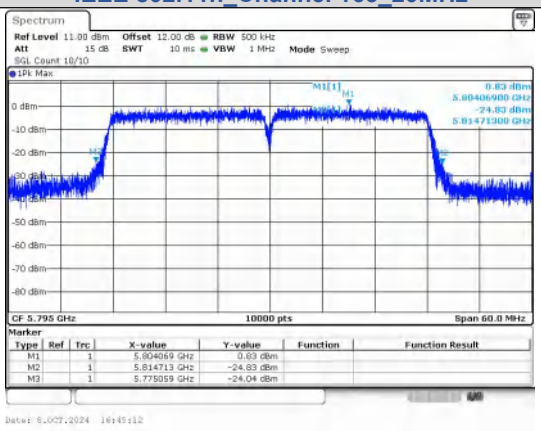

IEEE 802.11n_Channel 157_20MHz



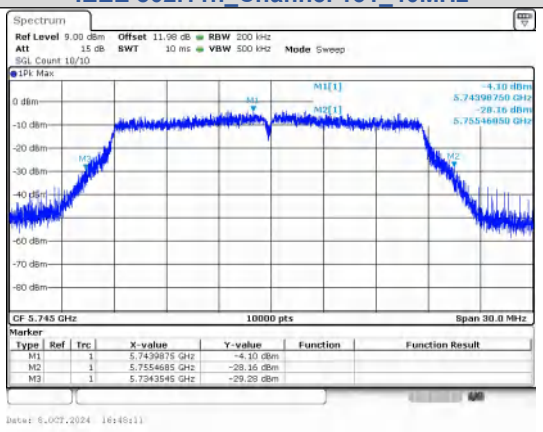

IEEE 802.11n_Channel 165_20MHz



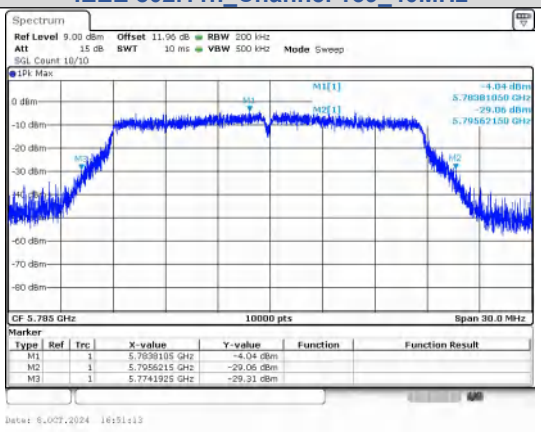

IEEE 802.11n_Channel 151_40MHz



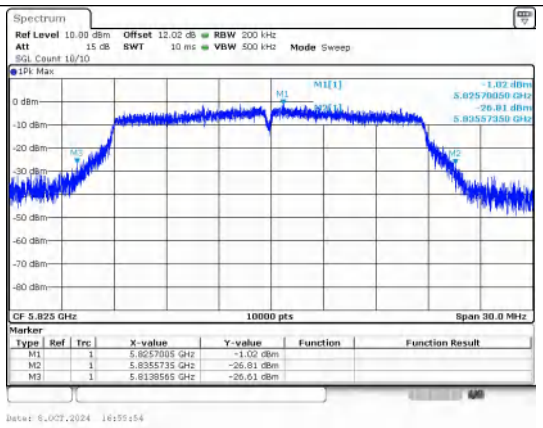

IEEE 802.11n_Channel 159_40MHz



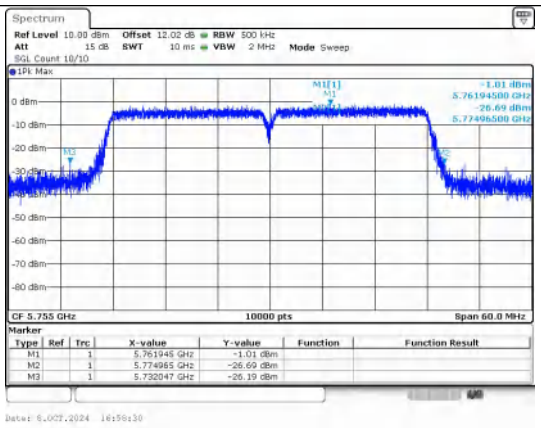

IEEE 802.11ac_Channel 149_20MHz



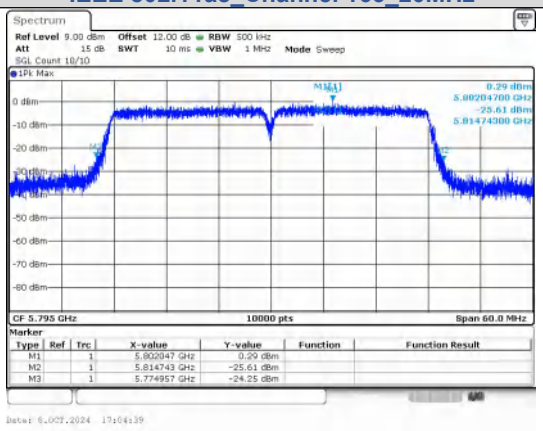

IEEE 802.11ac_Channel 157_20MHz



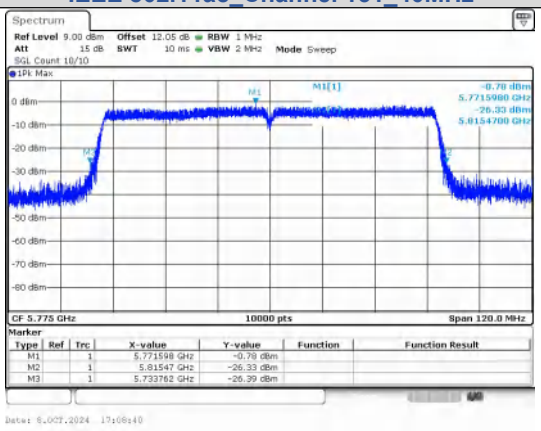

IEEE 802.11ac_Channel 165_20MHz




IEEE 802.11ac_Channel 151_40MHz




IEEE 802.11ac_Channel 159_40MHz




IEEE 802.11ac_Channel 155_80MHz

## Conducted Out Of Band Emission

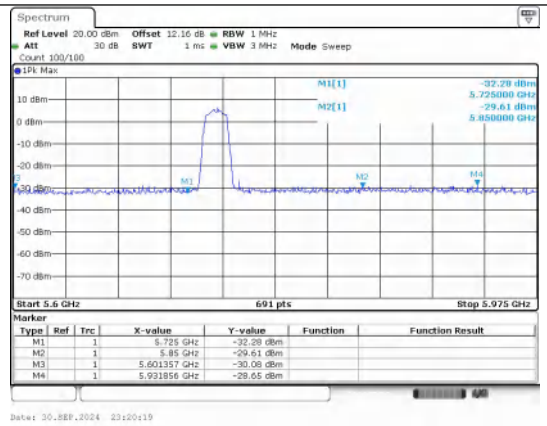
ANT1:

**Test Result**

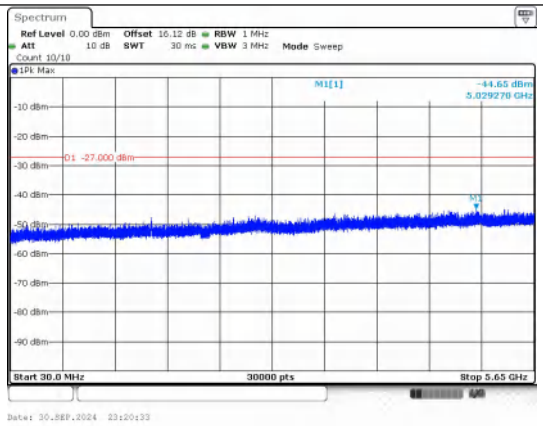
| Mode | Channel | Ant. | OOB Emission Frequency (MHz) | OOB Emission Level (dBm) | Limit (dBm) | Over Limit (dB) | Result |
|---|---|---|---|---|---|---|---|
| IEEE 802.11a | 149 | 1 | 5029.27 | -44.648 | -27 | -17.650 | PASS |
| | | | 5601.36 | -30.082 | -27 | -3.082 | PASS |
| | | | 5725.00 | -32.285 | 27 | -59.280 | PASS |
| | | | 5850.00 | -32.496 | 27 | -59.500 | PASS |
| | | | 5931.86 | -28.650 | -27 | -1.650 | PASS |
| | | | 18273.8 | -42.467 | -27 | -15.470 | PASS |
| | 157 | | 5000.05 | -44.616 | -27 | -17.620 | PASS |
| | | | 5613.30 | -30.413 | -27 | -3.413 | PASS |
| | | | 5725.00 | -32.477 | 27 | -59.480 | PASS |
| | | | 5850.00 | -30.608 | 27 | -57.610 | PASS |
| | | | 5938.91 | -29.360 | -27 | -2.360 | PASS |
| | | | 22090.1 | -42.872 | -27 | -15.870 | PASS |
| | 165 | | 5404.87 | -44.572 | -27 | -17.570 | PASS |
| | | | 5619.81 | -29.927 | -27 | -2.927 | PASS |
| | | | 5725.00 | -31.545 | 27 | -58.540 | PASS |
| | | | 5850.00 | -32.017 | 27 | -59.020 | PASS |
| | | | 5951.94 | -29.784 | -27 | -2.784 | PASS |
| | | | 15315.3 | -42.728 | -27 | -15.730 | PASS |
| IEEE 802.11n_20 | 149 | | 5202.55 | -44.827 | -27 | -17.830 | PASS |
| | | | 5632.83 | -30.150 | -27 | -3.150 | PASS |
| | | | 5725.00 | -30.969 | 27 | -57.970 | PASS |
| | | | 5850.00 | -31.810 | 27 | -58.810 | PASS |
| | | | 5939.45 | -29.221 | -27 | -2.221 | PASS |
| | | | 18291.6 | -41.987 | -27 | -14.990 | PASS |
| | 157 | | 5379.40 | -44.290 | -27 | -17.290 | PASS |
| | | | 5641.52 | -29.859 | -27 | -2.859 | PASS |
| | | | 5725.00 | -32.107 | 27 | -59.110 | PASS |
| | | | 5850.00 | -30.403 | 27 | -57.400 | PASS |
| | | | 5972.56 | -29.702 | -27 | -2.702 | PASS |
| | | | 20092.3 | -43.245 | -27 | -16.250 | PASS |
| | 165 | | 5086.22 | -45.046 | -27 | -18.050 | PASS |
| | | | 5640.43 | -29.303 | -27 | -2.303 | PASS |
| | | | 5725.00 | -31.647 | 27 | -58.650 | PASS |
| | | | 5850.00 | -32.020 | 27 | -59.020 | PASS |
| | | | 5939.45 | -29.776 | -27 | -2.776 | PASS |
| | | | 16791.7 | -42.487 | -27 | -15.490 | PASS |
| IEEE 802.11n_40 | 151 | | 5635.55 | -29.930 | -27 | -2.930 | PASS |
| | | | 5641.48 | -44.589 | -27 | -17.590 | PASS |
| | | | 5725.00 | -27.289 | 27 | -54.290 | PASS |
| | | | 5850.00 | -31.476 | 27 | -58.480 | PASS |
| | | | 5932.94 | -28.883 | -27 | -1.883 | PASS |
| | | | 17217.7 | -42.870 | -27 | -15.870 | PASS |
| | 159 | | 5412.74 | -44.624 | -27 | -17.620 | PASS |
| | | | 5627.41 | -30.067 | -27 | -3.067 | PASS |
| | | | 5725.00 | -32.301 | 27 | -59.300 | PASS |
| | | | 5850.00 | -31.887 | 27 | -58.890 | PASS |
| | | | 5936.74 | -28.743 | -27 | -1.743 | PASS |
| | | | 22603.2 | -43.374 | -27 | -16.370 | PASS |
| IEEE | 149 | | 5523.46 | -44.093 | -27 | -17.090 | PASS |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 802.11ac_20 | | | 5600.27 | -30.391 | -27 | -3.391 | PASS |
| | | | 5725.00 | -31.386 | 27 | -58.390 | PASS |
| | | | 5850.00 | -30.966 | 27 | -57.970 | PASS |
| | | | 5932.94 | -29.366 | -27 | -2.366 | PASS |
| | | | 16244.9 | -43.313 | -27 | -16.310 | PASS |
| | 157 | | 5431.29 | -44.802 | -27 | -17.800 | PASS |
| | | | 5637.17 | -29.989 | -27 | -2.989 | PASS |
| | | | 5725.00 | -30.910 | 27 | -57.910 | PASS |
| | | | 5850.00 | -31.401 | 27 | -58.400 | PASS |
| | | | 5932.94 | -30.150 | -27 | -3.150 | PASS |
| | | | 16828.0 | -43.392 | -27 | -16.390 | PASS |
| | 165 | | 1938.83 | -38.965 | -27 | -11.960 | PASS |
| | | | 5646.40 | -29.135 | -27 | -2.135 | PASS |
| | | | 5725.00 | -31.108 | 27 | -58.110 | PASS |
| | | | 5850.00 | -30.767 | 27 | -57.770 | PASS |
| | | | 5936.20 | -29.923 | -27 | -2.923 | PASS |
| | | | 16579.3 | -42.514 | -27 | -15.510 | PASS |
| IEEE 802.11ac_40 | 151 | | 4737.41 | -44.981 | -27 | -17.980 | PASS |
| | | | 5649.11 | -30.467 | -27 | -3.467 | PASS |
| | | | 5725.00 | -29.599 | 27 | -56.600 | PASS |
| | | | 5850.00 | -31.571 | 27 | -58.570 | PASS |
| | | | 5961.16 | -29.230 | -27 | -2.230 | PASS |
| | | | 16592.7 | -43.375 | -27 | -16.380 | PASS |
| | 159 | | 5200.87 | -44.572 | -27 | -17.570 | PASS |
| | | | 5605.16 | -29.899 | -27 | -2.899 | PASS |
| | | | 5725.00 | -31.225 | 27 | -58.220 | PASS |
| | | | 5850.00 | -31.913 | 27 | -58.910 | PASS |
| | | | 5937.83 | -29.852 | -27 | -2.851 | PASS |
| | | | 16515.8 | -43.037 | -27 | -16.040 | PASS |
| IEEE 802.11ac_80 | 155 | | 5598.58 | -42.038 | -27 | -15.040 | PASS |
| | | | 5649.11 | -30.175 | -27 | -3.175 | PASS |
| | | | 5725.00 | -27.951 | 27 | -54.950 | PASS |
| | | | 5850.00 | -29.950 | 27 | -56.950 | PASS |
| | | | 5948.84 | -41.580 | -27 | -14.580 | PASS |
| | | | 5960.08 | -29.223 | -27 | -2.223 | PASS |

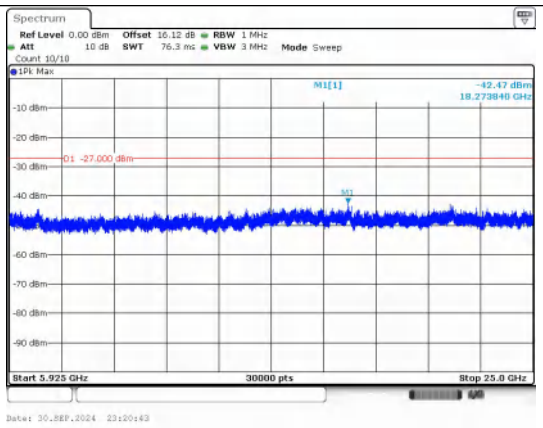
**Test Graphs**



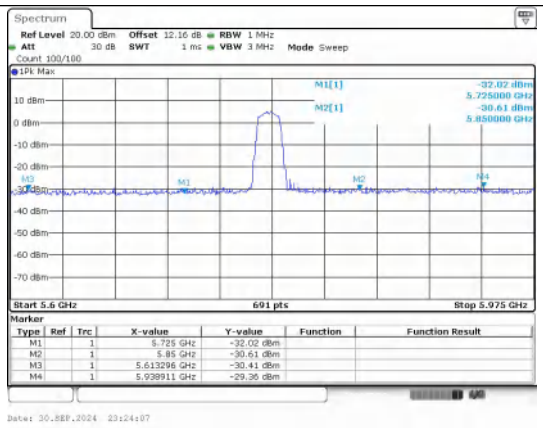

Out Of Band Emission
IEEE 802.11a_Channel 149_20MHz



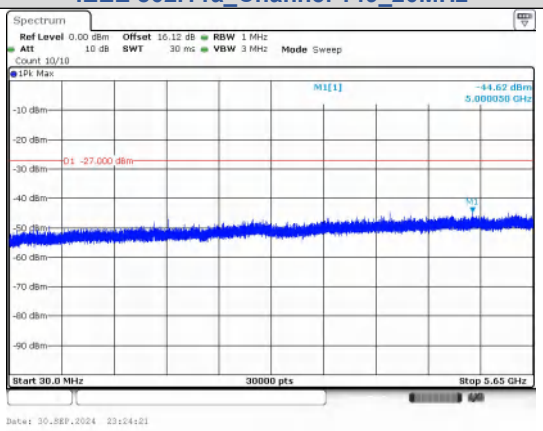

Spurious Emission:30.0~5650 MHz
IEEE 802.11a_Channel 149_20MHz



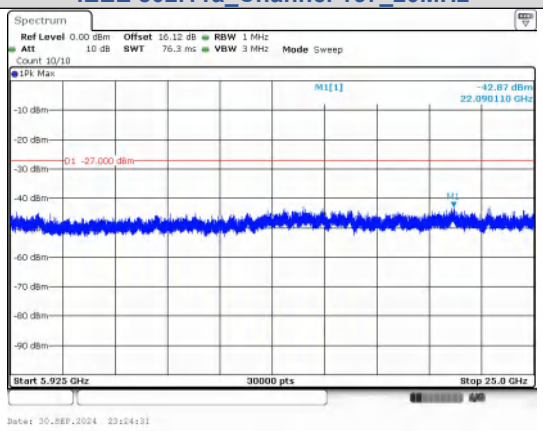

Spurious Emission:5925~25000.0 MHz
IEEE 802.11a_Channel 149_20MHz



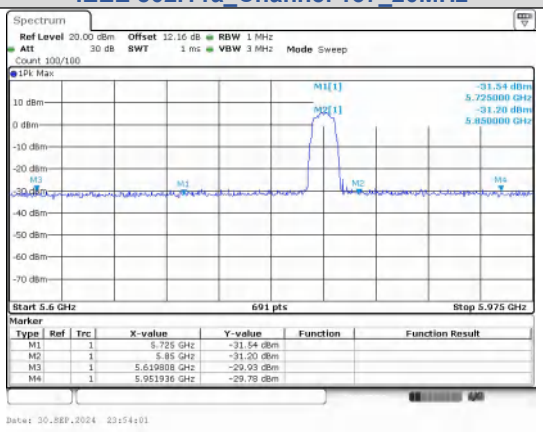

Out Of Band Emission
IEEE 802.11a_Channel 157_20MHz



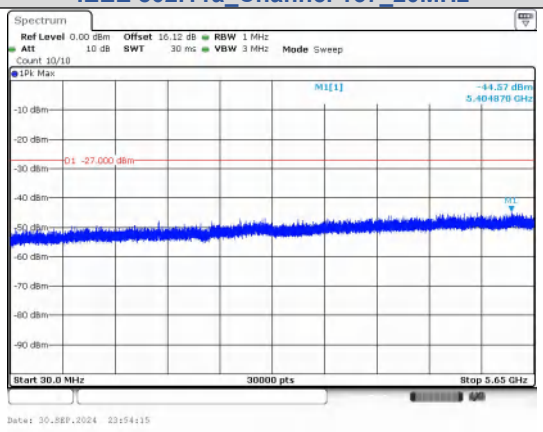

Spurious Emission:30.0~5650 MHz
IEEE 802.11a_Channel 157_20MHz



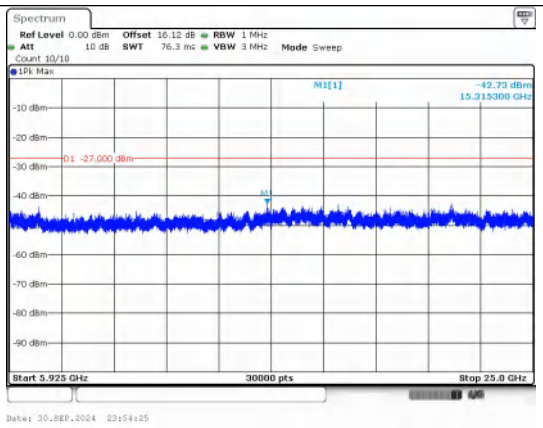

Spurious Emission:5925~25000.0 MHz
IEEE 802.11a_Channel 157_20MHz



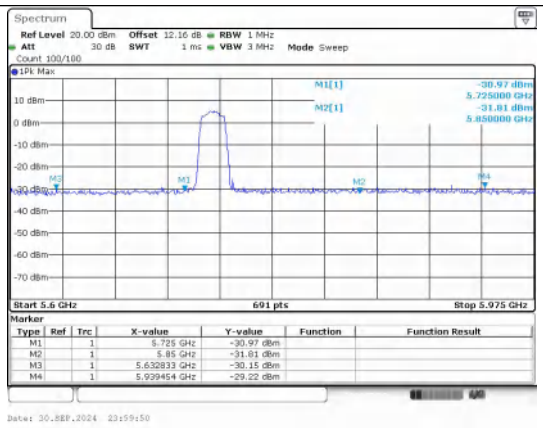

Out Of Band Emission
IEEE 802.11a_Channel 165_20MHz



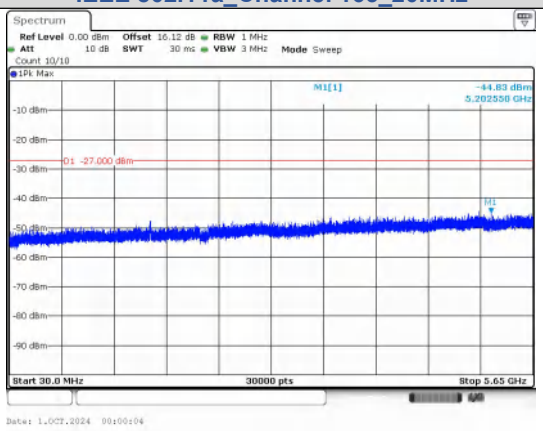

Spurious Emission:30.0~5650 MHz
IEEE 802.11a_Channel 165_20MHz



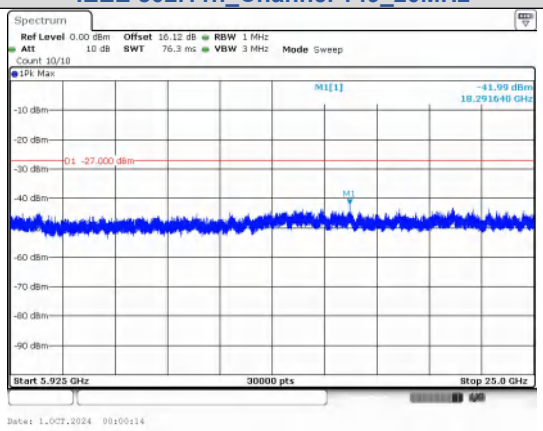

**Spurious Emission:5925~25000.0 MHz**
**IEEE 802.11a_Channel 165_20MHz**



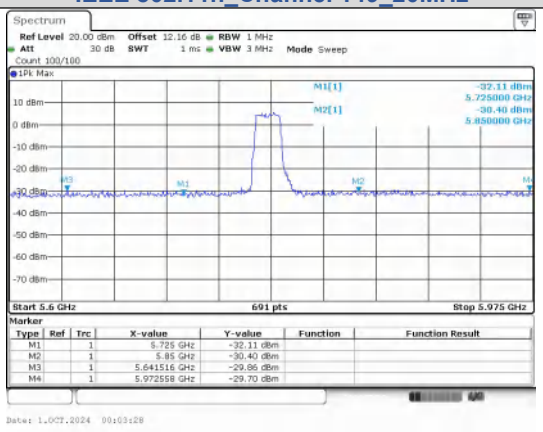

**Out Of Band Emission**
**IEEE 802.11n_Channel 149_20MHz**



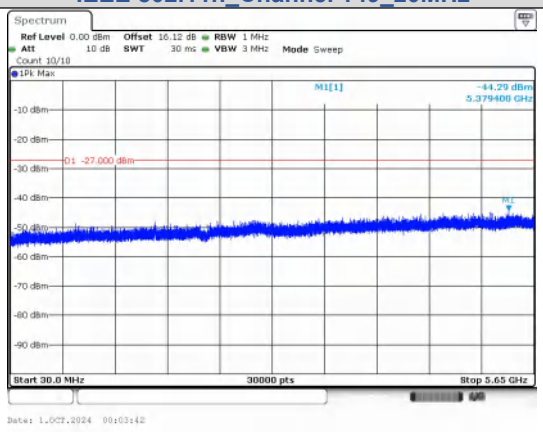

**Spurious Emission:30.0~5650 MHz**
**IEEE 802.11n_Channel 149_20MHz**



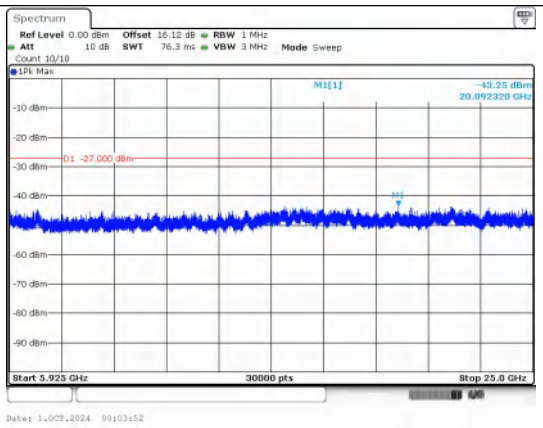

**Spurious Emission:5925~25000.0 MHz**
**IEEE 802.11n_Channel 149_20MHz**



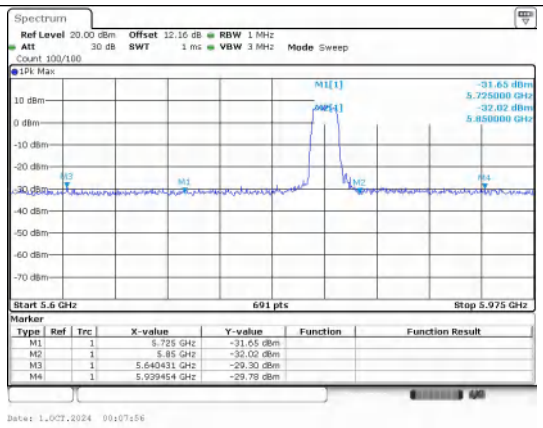

**Out Of Band Emission**
**IEEE 802.11n_Channel 157_20MHz**



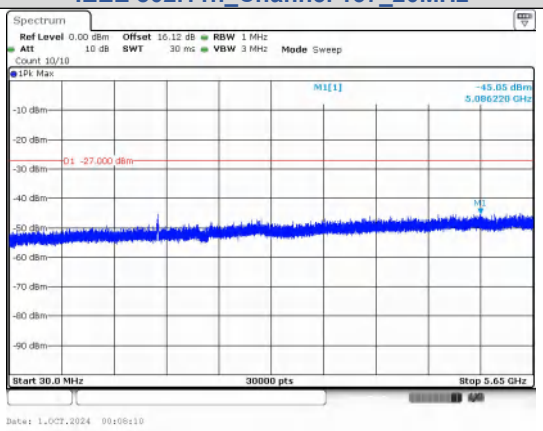

**Spurious Emission:30.0~5650 MHz**
**IEEE 802.11n_Channel 157_20MHz**



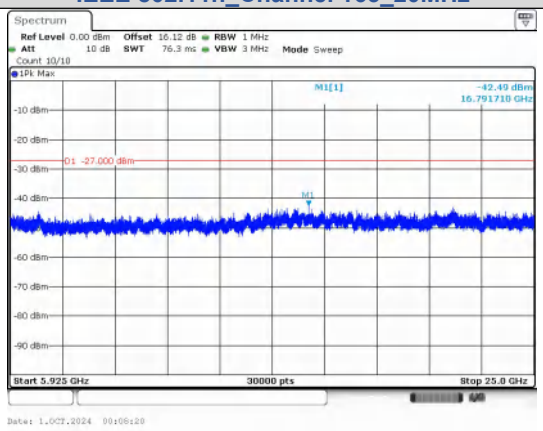

Spurious Emission:5925~25000.0 MHz
IEEE 802.11n_Channel 157_20MHz



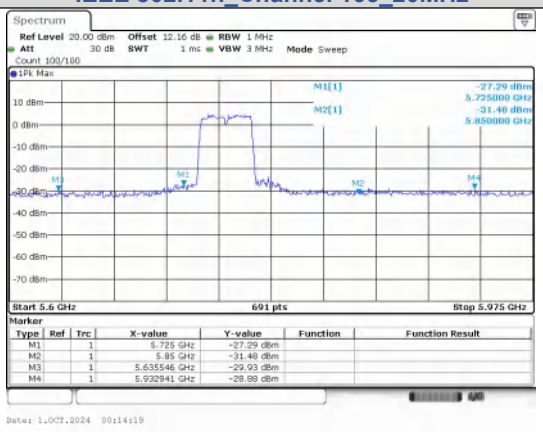

Out Of Band Emission
IEEE 802.11n_Channel 165_20MHz



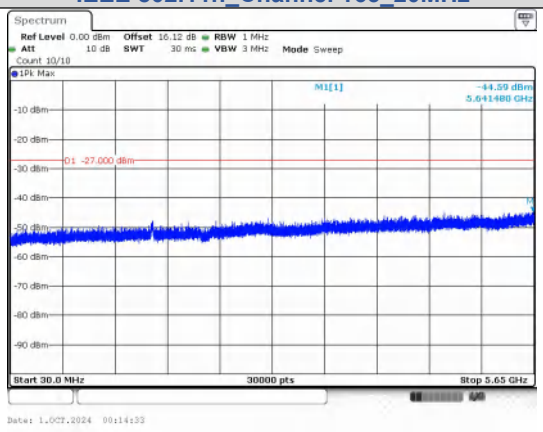

Spurious Emission:30.0~5650 MHz
IEEE 802.11n_Channel 165_20MHz



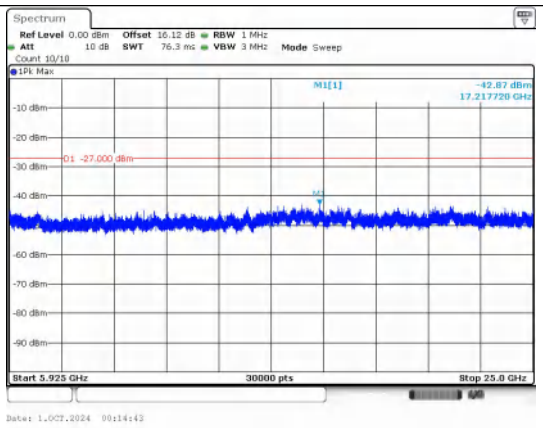

Spurious Emission:5925~25000.0 MHz
IEEE 802.11n_Channel 165_20MHz



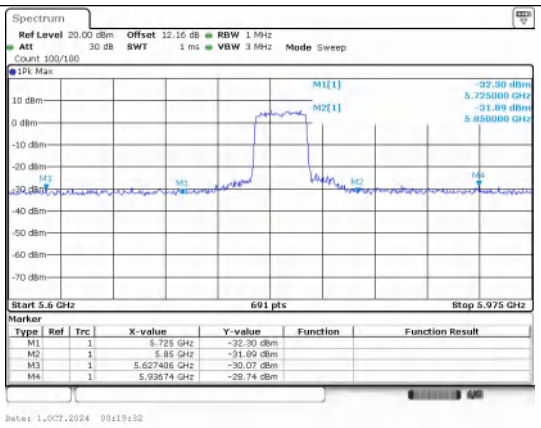

Out Of Band Emission
IEEE 802.11n_Channel 151_40MHz



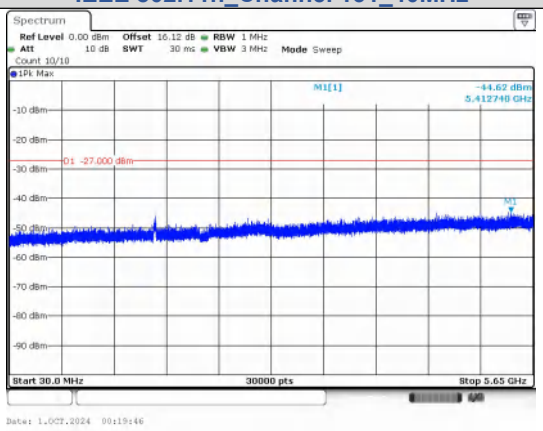

Spurious Emission:30.0~5650 MHz
IEEE 802.11n_Channel 151_40MHz



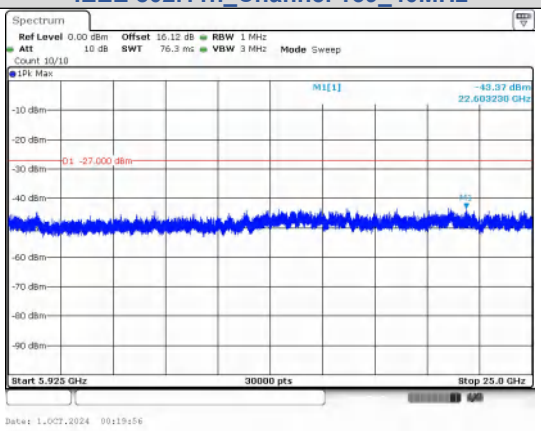

Spurious Emission:5925~25000.0 MHz
IEEE 802.11n_Channel 151_40MHz



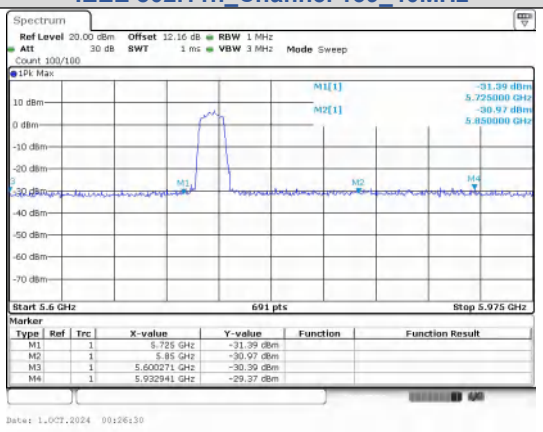

Out Of Band Emission
IEEE 802.11n_Channel 159_40MHz



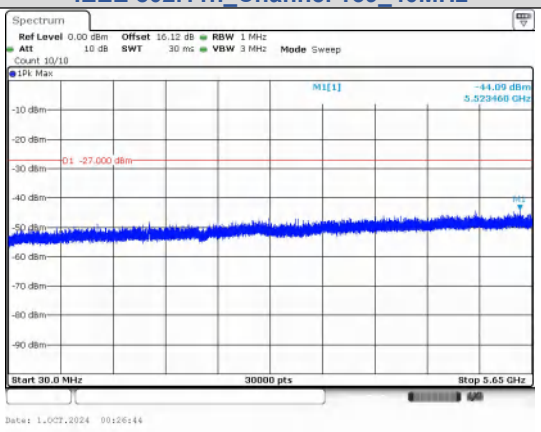

Spurious Emission:30.0~5650 MHz
IEEE 802.11n_Channel 159_40MHz



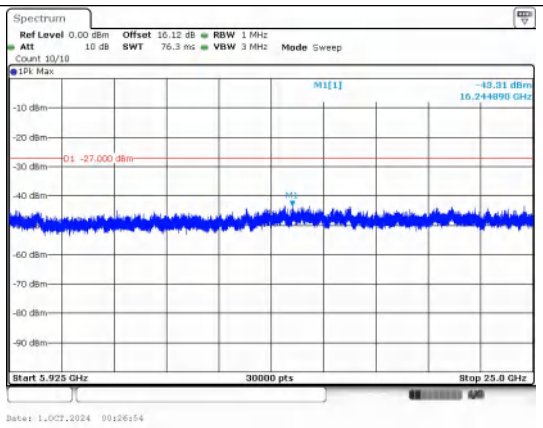

Spurious Emission:5925~25000.0 MHz
IEEE 802.11n_Channel 159_40MHz



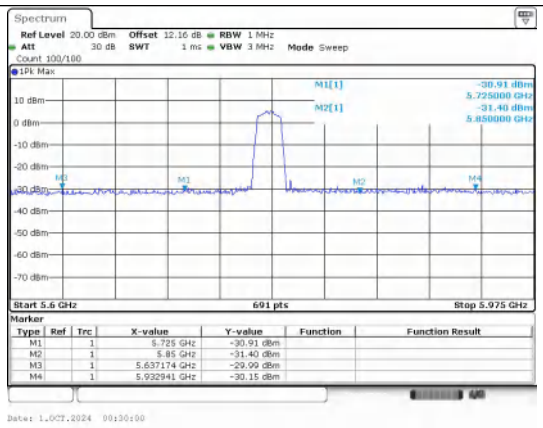

Out Of Band Emission
IEEE 802.11ac_Channel 149_20MHz



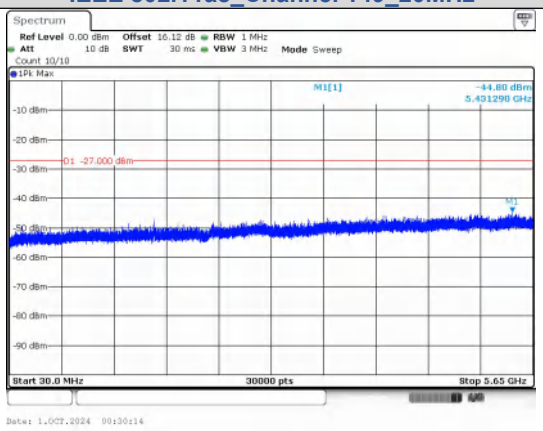

Spurious Emission:30.0~5650 MHz
IEEE 802.11ac_Channel 149_20MHz



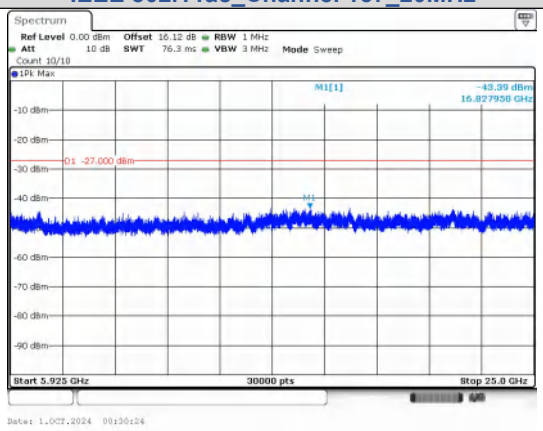

**Spurious Emission:5925~25000.0 MHz**
**IEEE 802.11ac_Channel 149_20MHz**



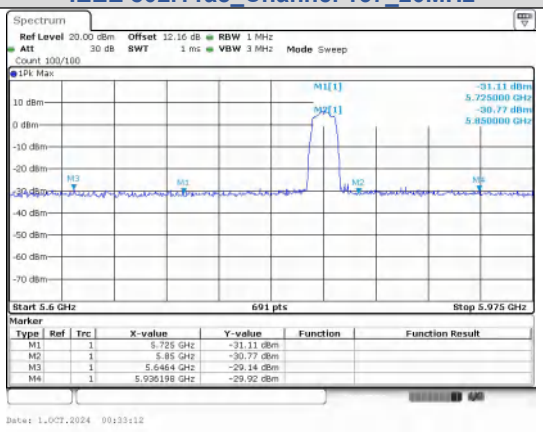

**Out Of Band Emission**
**IEEE 802.11ac_Channel 157_20MHz**



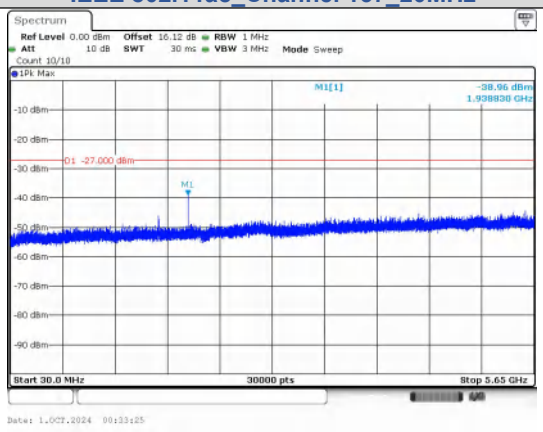

**Spurious Emission:30.0~5650 MHz**
**IEEE 802.11ac_Channel 157_20MHz**



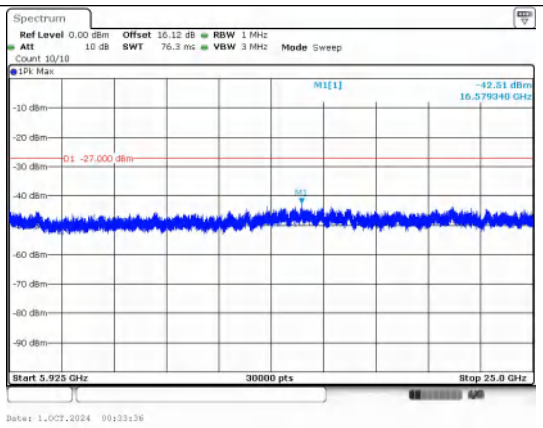

**Spurious Emission:5925~25000.0 MHz**
**IEEE 802.11ac_Channel 157_20MHz**



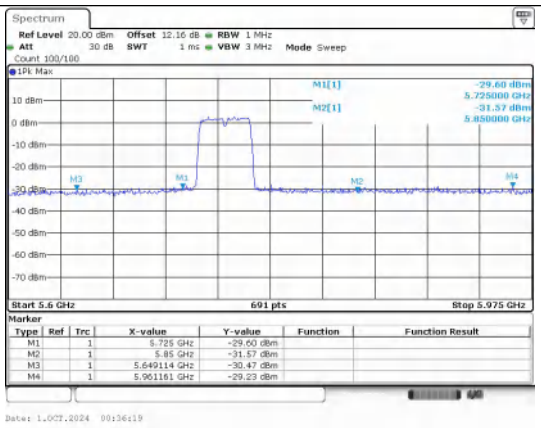

**Out Of Band Emission**
**IEEE 802.11ac_Channel 165_20MHz**



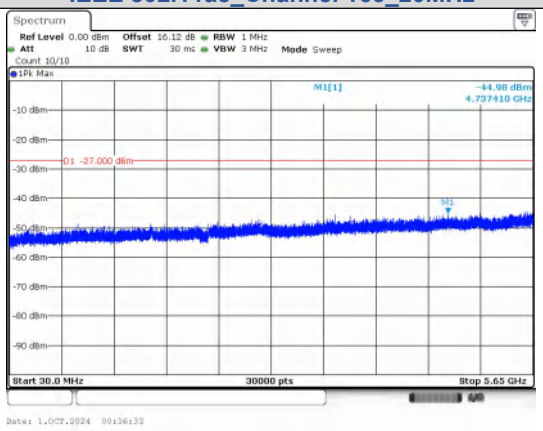

**Spurious Emission:30.0~5650 MHz**
**IEEE 802.11ac_Channel 165_20MHz**



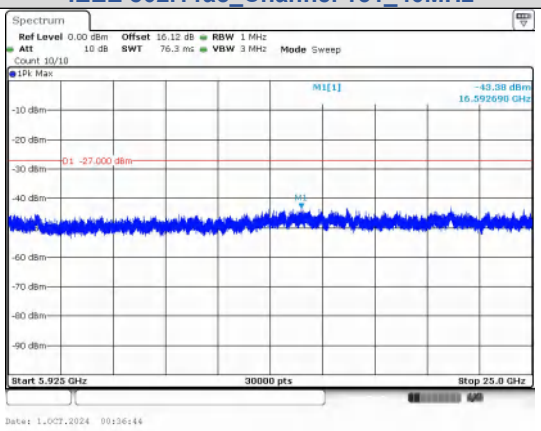

**Spurious Emission:5925~25000.0 MHz**
**IEEE 802.11ac_Channel 165_20MHz**



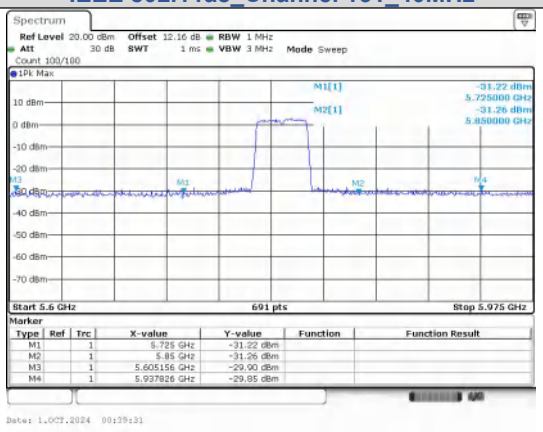

**Out Of Band Emission**
**IEEE 802.11ac_Channel 151_40MHz**



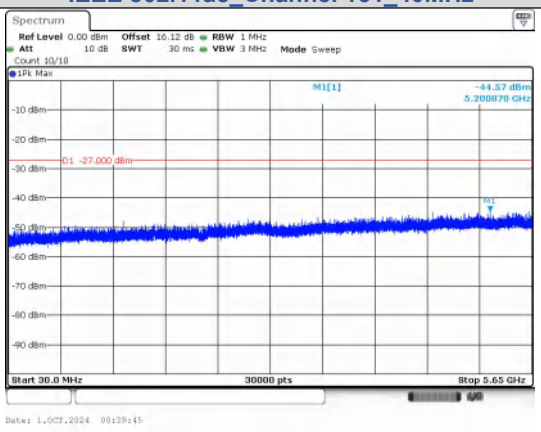

**Spurious Emission:30.0~5650 MHz**
**IEEE 802.11ac_Channel 151_40MHz**



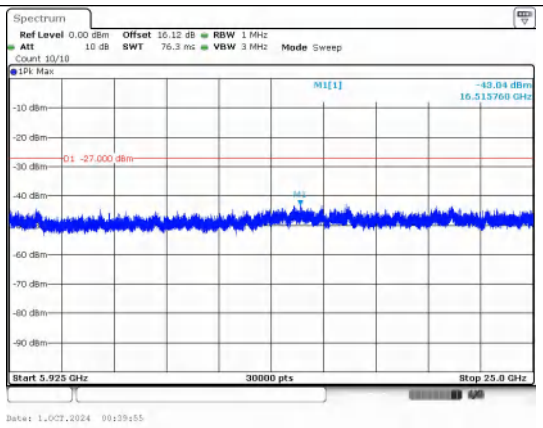

**Spurious Emission:5925~25000.0 MHz**
**IEEE 802.11ac_Channel 151_40MHz**



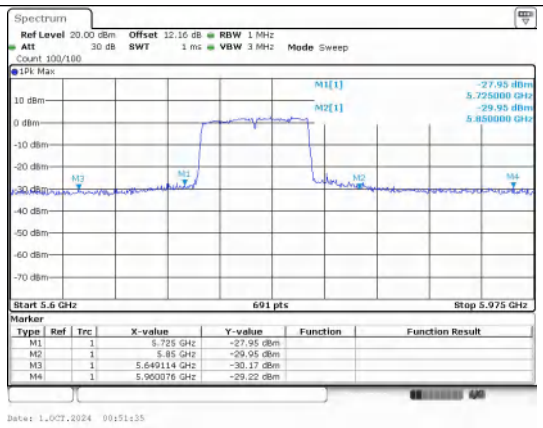

**Out Of Band Emission**
**IEEE 802.11ac_Channel 159_40MHz**



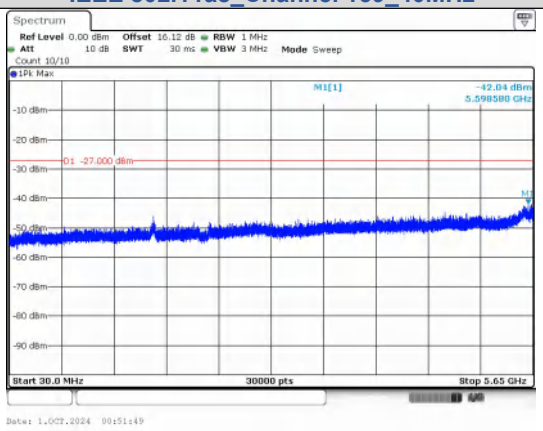

**Spurious Emission:30.0~5650 MHz**
**IEEE 802.11ac_Channel 159_40MHz**



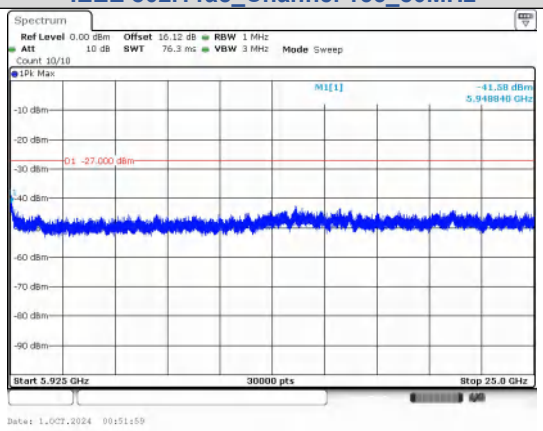

**Spurious Emission:5925~25000.0 MHz**
**IEEE 802.11ac_Channel 159_40MHz**




**Out Of Band Emission**
**IEEE 802.11ac_Channel 155_80MHz**




**Spurious Emission:30.0~5650 MHz**
**IEEE 802.11ac_Channel 155_80MHz**




**Spurious Emission:5925~25000.0 MHz**
**IEEE 802.11ac_Channel 155_80MHz**

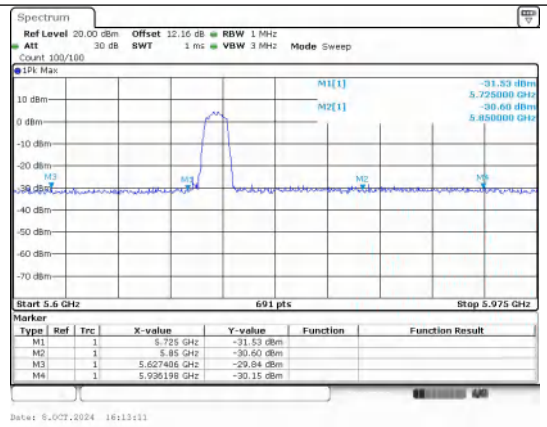
ANT2:

**Test Result**

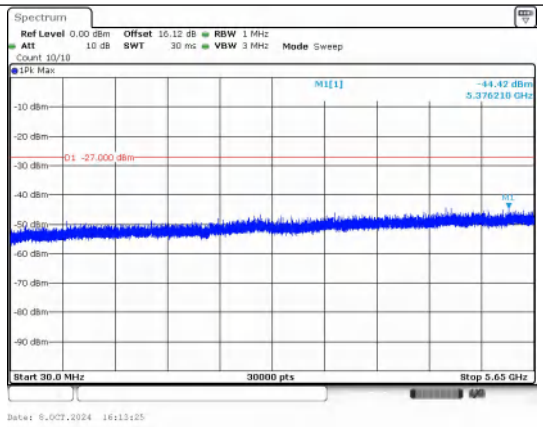
| Mode | Channel | Ant. | OOB Emission Frequency (MHz) | OOB Emission Level (dBm) | Limit (dBm) | Over Limit (dB) | Result |
|---|---|---|---|---|---|---|---|
| IEEE 802.11a | 149 | 2 | 5376.21 | -44.421 | -27 | -17.420 | PASS |
| | | | 5627.41 | -29.838 | -27 | -2.838 | PASS |
| | | | 5725.00 | -31.526 | 27 | -58.530 | PASS |
| | | | 5850.00 | -30.600 | 27 | -57.600 | PASS |
| | | | 5936.20 | -30.152 | -27 | -3.152 | PASS |
| | | | 16557.1 | -42.705 | -27 | -15.700 | PASS |
| | 157 | | 1958.88 | -39.643 | -27 | -12.640 | PASS |
| | | | 5642.60 | -30.295 | -27 | -3.295 | PASS |
| | | | 5725.00 | -31.315 | 27 | -58.310 | PASS |
| | | | 5850.00 | -31.772 | 27 | -58.770 | PASS |
| | | | 5969.84 | -29.506 | -27 | -2.506 | PASS |
| | | | 22064.7 | -42.860 | -27 | -15.860 | PASS |
| | 165 | | 2473.48 | -44.543 | -27 | -17.540 | PASS |
| | | | 5635.55 | -29.691 | -27 | -2.691 | PASS |
| | | | 5725.00 | -31.951 | 27 | -58.950 | PASS |
| | | | 5850.00 | -30.842 | 27 | -57.840 | PASS |
| | | | 5927.51 | -29.367 | -27 | -2.367 | PASS |
| | | | 16518.9 | -43.099 | -27 | -16.100 | PASS |
| IEEE 802.11n_20 | 149 | | 4784.99 | -44.958 | -27 | -17.960 | PASS |
| | | | 5645.31 | -30.103 | -27 | -3.103 | PASS |
| | | | 5725.00 | -31.872 | 27 | -58.870 | PASS |
| | | | 5850.00 | -29.776 | 27 | -56.780 | PASS |
| | | | 5931.31 | -29.420 | -27 | -2.420 | PASS |
| | | | 22018.3 | -43.509 | -27 | -16.510 | PASS |
| | 157 | | 2471.05 | -43.176 | -27 | -16.180 | PASS |
| | | | 5642.06 | -29.794 | -27 | -2.794 | PASS |
| | | | 5725.00 | -31.112 | 27 | -58.110 | PASS |
| | | | 5850.00 | -30.930 | 27 | -57.930 | PASS |
| | | | 5949.76 | -28.961 | -27 | -1.961 | PASS |
| | | | 16563.5 | -43.064 | -27 | -16.060 | PASS |
| | 165 | | 2473.67 | -40.246 | -27 | -13.250 | PASS |
| | | | 5604.61 | -30.107 | -27 | -3.107 | PASS |
| | | | 5725.00 | -31.451 | 27 | -58.450 | PASS |
| | | | 5850.00 | -30.591 | 27 | -57.590 | PASS |
| | | | 5950.85 | -29.598 | -27 | -2.598 | PASS |
| | | | 22712.0 | -43.131 | -27 | -16.130 | PASS |
| IEEE 802.11n_40 | 151 | | 2470.49 | -37.559 | -27 | -10.560 | PASS |
| | | | 5640.43 | -30.416 | -27 | -3.416 | PASS |
| | | | 5725.00 | -22.172 | 27 | -49.170 | PASS |
| | | | 5850.00 | -30.410 | 27 | -57.410 | PASS |
| | | | 5926.97 | -28.644 | -27 | -1.644 | PASS |
| | | | 15302.6 | -43.327 | -27 | -16.330 | PASS |
| | 159 | | 2414.10 | -38.974 | -27 | -11.970 | PASS |
| | | | 5626.32 | -30.164 | -27 | -3.164 | PASS |
| | | | 5725.00 | -31.585 | 27 | -58.590 | PASS |
| | | | 5850.00 | -30.507 | 27 | -57.510 | PASS |
| | | | 5927.51 | -29.639 | -27 | -2.639 | PASS |
| | | | 20042.1 | -43.065 | -27 | -16.060 | PASS |
| IEEE 802.11ac_20 | 149 | | 1941.08 | -35.353 | -27 | -8.350 | PASS |
| | | | 5608.95 | -29.425 | -27 | -2.425 | PASS |
| | | | 5725.00 | -31.224 | 27 | -58.220 | PASS |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | 5850.00 | -30.052 | 27 | -57.050 | PASS |
| | | | 5963.33 | -29.583 | -27 | -2.583 | PASS |
| | | | 16786.6 | -43.310 | -27 | -16.310 | PASS |
| | 157 | | 1959.07 | -31.826 | -27 | -4.830 | PASS |
| | | | 5602.44 | -29.441 | -27 | -2.441 | PASS |
| | | | 5725.00 | -31.223 | 27 | -58.220 | PASS |
| | | | 5850.00 | -31.362 | 27 | -58.360 | PASS |
| | | | 5936.74 | -29.128 | -27 | -2.128 | PASS |
| | | | 17714.3 | -43.373 | -27 | -16.370 | PASS |
| | 165 | | 2413.16 | -38.300 | -27 | -11.300 | PASS |
| | | | 5613.30 | -29.612 | -27 | -2.612 | PASS |
| | | | 5725.00 | -32.036 | 27 | -59.040 | PASS |
| | | | 5850.00 | -29.249 | 27 | -56.250 | PASS |
| | | | 5925.34 | -29.780 | -27 | -2.780 | PASS |
| | | | 23373.2 | -43.151 | -27 | -16.150 | PASS |
| IEEE 802.11ac_40 | 151 | | 2413.54 | -42.601 | -27 | -15.600 | PASS |
| | | | 5618.72 | -30.077 | -27 | -3.077 | PASS |
| | | | 5725.00 | -23.708 | 27 | -50.710 | PASS |
| | | | 5850.00 | -30.736 | 27 | -57.740 | PASS |
| | | | 5973.64 | -28.720 | -27 | -1.720 | PASS |
| | | | 15906.0 | -43.035 | -27 | -16.040 | PASS |
| | 159 | | 1941.08 | -31.303 | -27 | -4.300 | PASS |
| | | | 5633.38 | -30.474 | -27 | -3.474 | PASS |
| | | | 5725.00 | -31.110 | 27 | -58.110 | PASS |
| | | | 5850.00 | -31.841 | 27 | -58.840 | PASS |
| | | | 5951.39 | -29.987 | -27 | -2.987 | PASS |
| | | | 18248.4 | -43.159 | -27 | -16.160 | PASS |
| IEEE 802.11ac_80 | 155 | | 2413.54 | -40.026 | -27 | -13.030 | PASS |
| | | | 5632.29 | -30.288 | -27 | -3.288 | PASS |
| | | | 5725.00 | -28.646 | 27 | -55.650 | PASS |
| | | | 5850.00 | -31.040 | 27 | -58.040 | PASS |
| | | | 5932.31 | -41.844 | -27 | -14.840 | PASS |
| | | | 5963.33 | -29.674 | -27 | -2.674 | PASS |

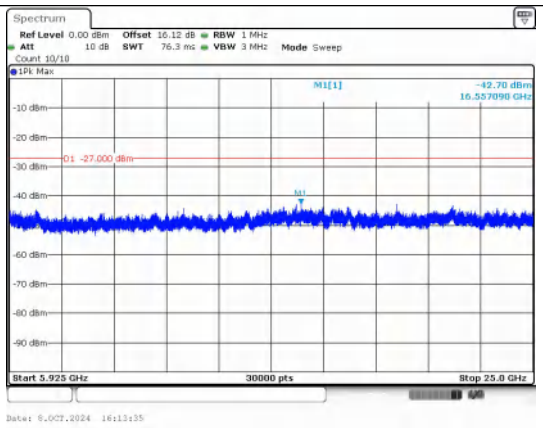
**Test Graphs**



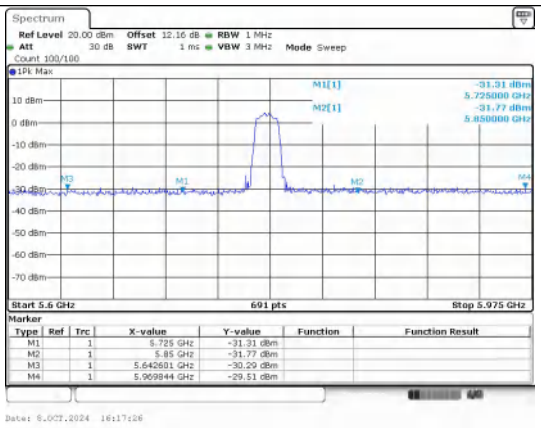

Out Of Band Emission
IEEE 802.11a_Channel 149_20MHz



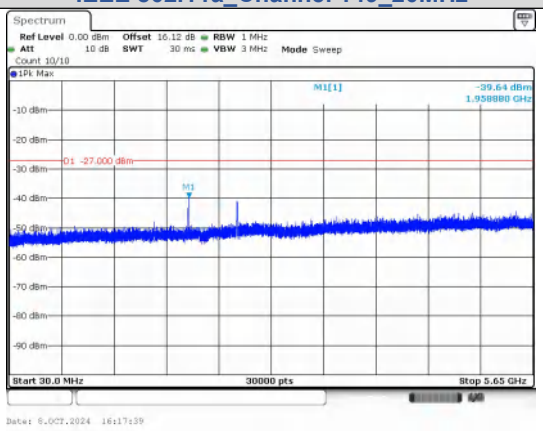

Spurious Emission:30.0~5650 MHz
IEEE 802.11a_Channel 149_20MHz



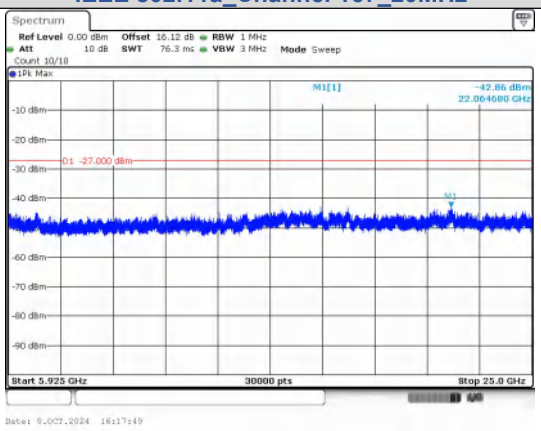

Spurious Emission:5925~25000.0 MHz
IEEE 802.11a_Channel 149_20MHz



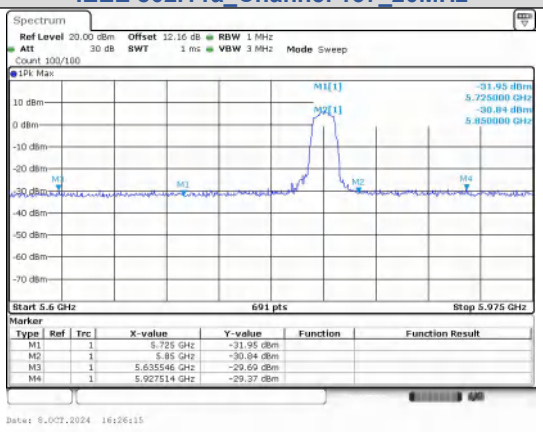

Out Of Band Emission
IEEE 802.11a_Channel 157_20MHz



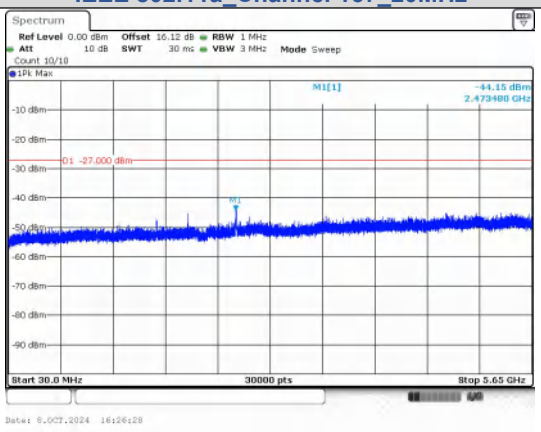

Spurious Emission:30.0~5650 MHz
IEEE 802.11a_Channel 157_20MHz



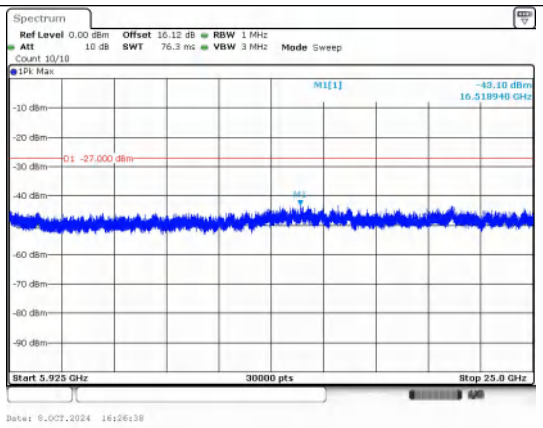

Spurious Emission:5925~25000.0 MHz
IEEE 802.11a_Channel 157_20MHz



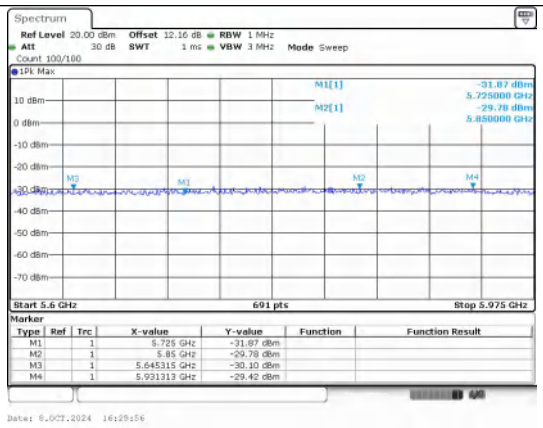

Out Of Band Emission
IEEE 802.11a_Channel 165_20MHz



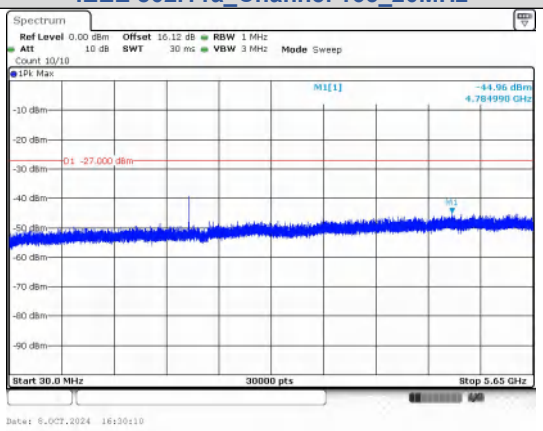

Spurious Emission:30.0~5650 MHz
IEEE 802.11a_Channel 165_20MHz



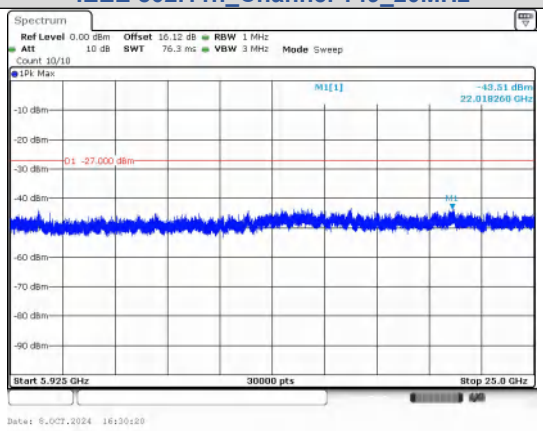

**Spurious Emission:5925~25000.0 MHz**
**IEEE 802.11a_Channel 165_20MHz**



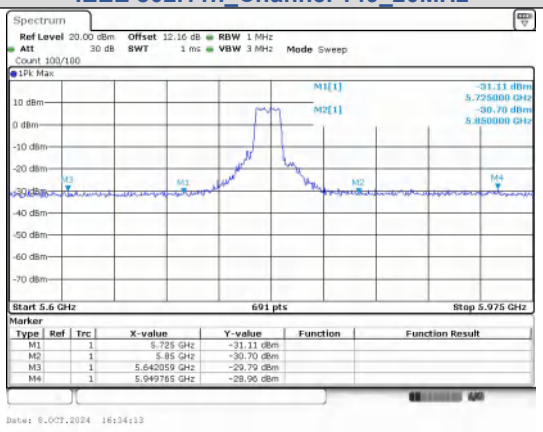

**Out Of Band Emission**
**IEEE 802.11n_Channel 149_20MHz**



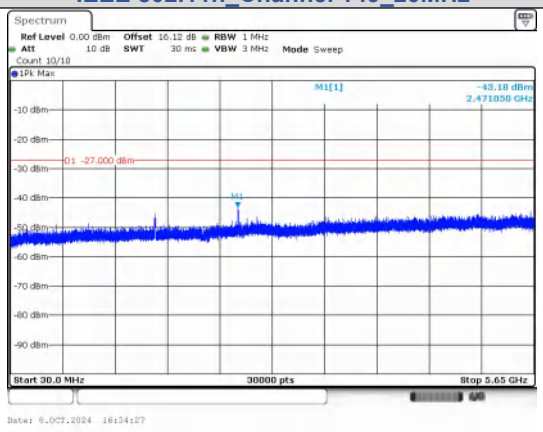

**Spurious Emission:30.0~5650 MHz**
**IEEE 802.11n_Channel 149_20MHz**



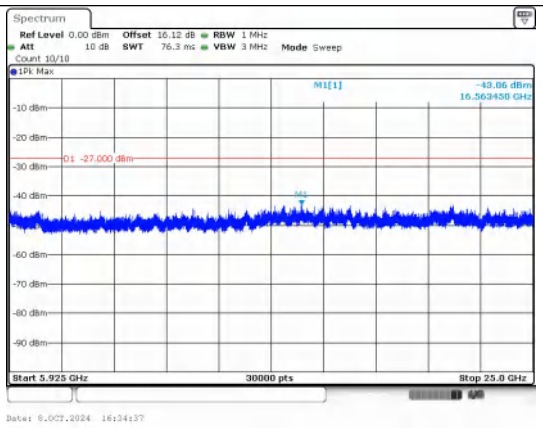

**Spurious Emission:5925~25000.0 MHz**
**IEEE 802.11n_Channel 149_20MHz**



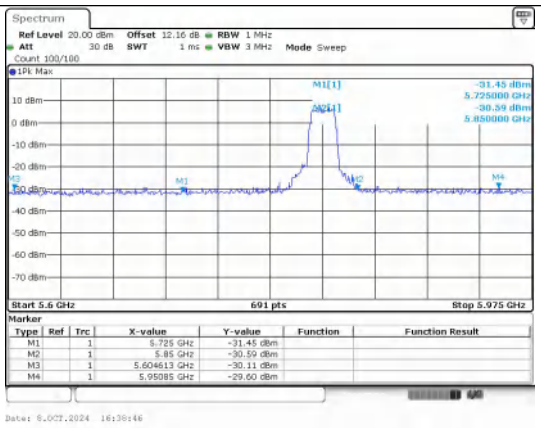

**Out Of Band Emission**
**IEEE 802.11n_Channel 157_20MHz**



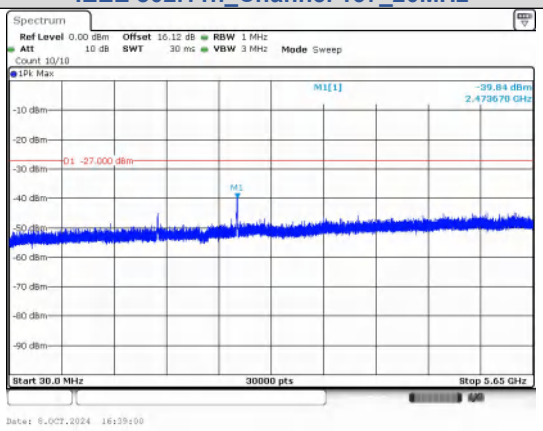

**Spurious Emission:30.0~5650 MHz**
**IEEE 802.11n_Channel 157_20MHz**



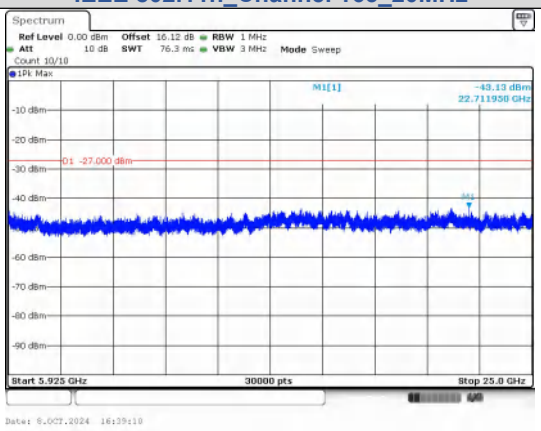

**Spurious Emission:5925~25000.0 MHz**
**IEEE 802.11n_Channel 157_20MHz**



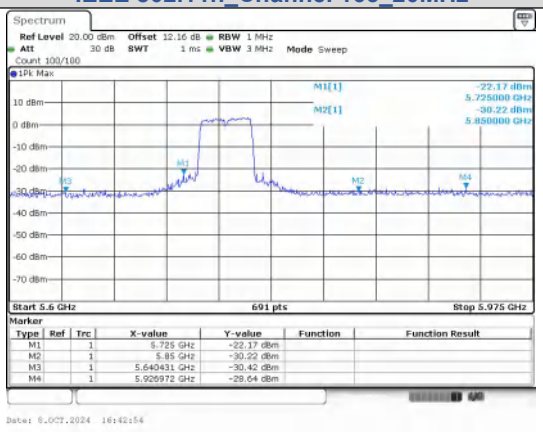

**Out Of Band Emission**
**IEEE 802.11n_Channel 165_20MHz**



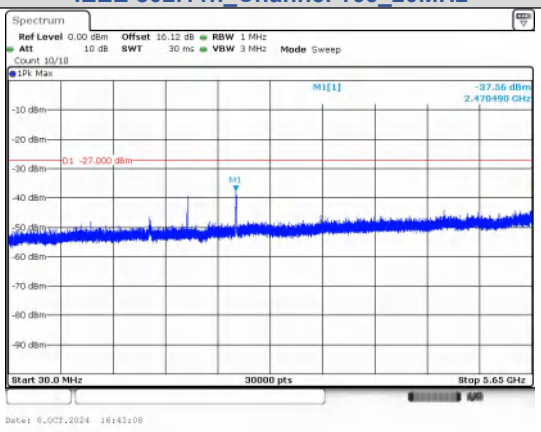

**Spurious Emission:30.0~5650 MHz**
**IEEE 802.11n_Channel 165_20MHz**



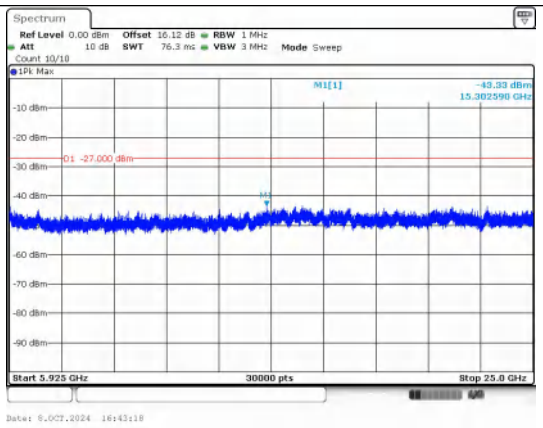

**Spurious Emission:5925~25000.0 MHz**
**IEEE 802.11n_Channel 165_20MHz**



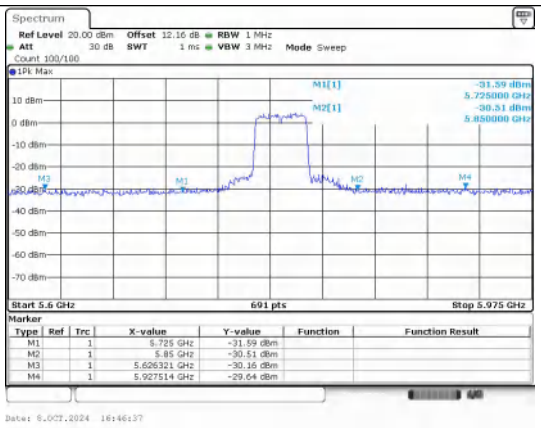

**Out Of Band Emission**
**IEEE 802.11n_Channel 151_40MHz**



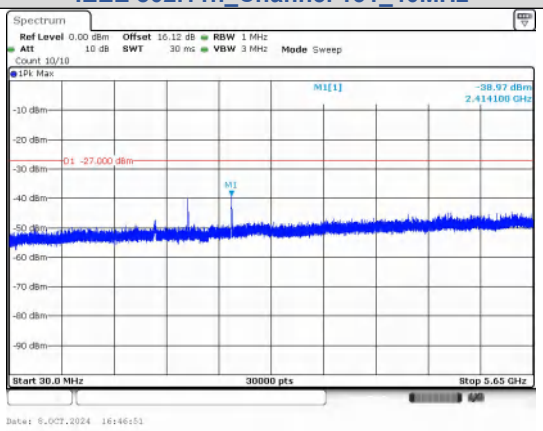

**Spurious Emission:30.0~5650 MHz**
**IEEE 802.11n_Channel 151_40MHz**



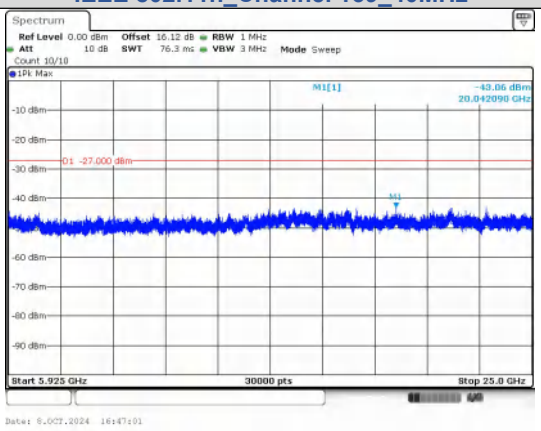

Spurious Emission:5925~25000.0 MHz
IEEE 802.11n_Channel 151_40MHz



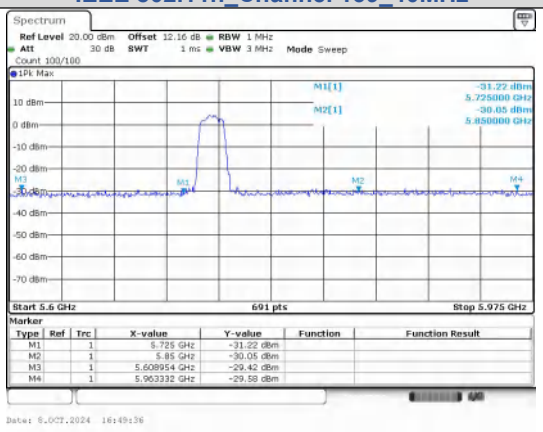

Out Of Band Emission
IEEE 802.11n_Channel 159_40MHz



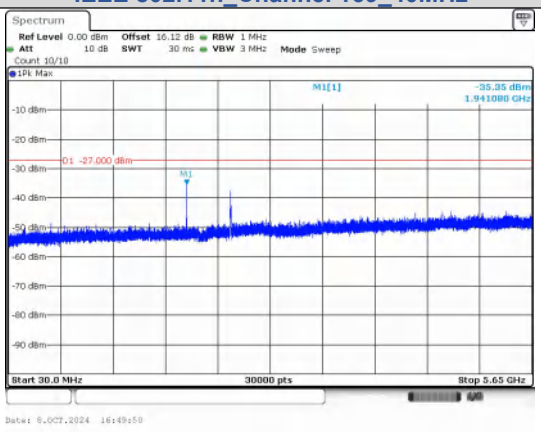

Spurious Emission:30.0~5650 MHz
IEEE 802.11n_Channel 159_40MHz



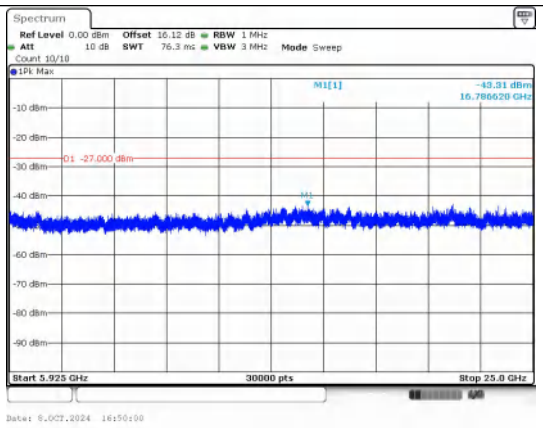

Spurious Emission:5925~25000.0 MHz
IEEE 802.11n_Channel 159_40MHz



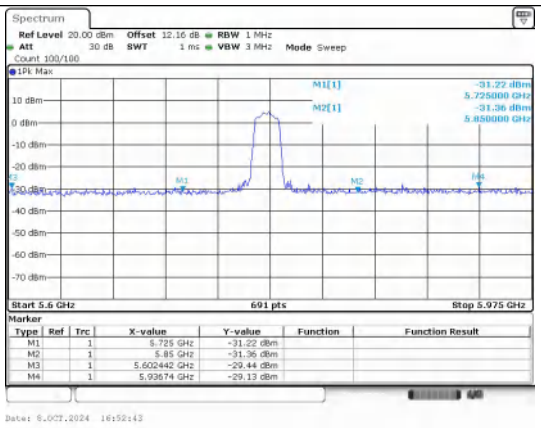

Out Of Band Emission
IEEE 802.11ac_Channel 149_20MHz



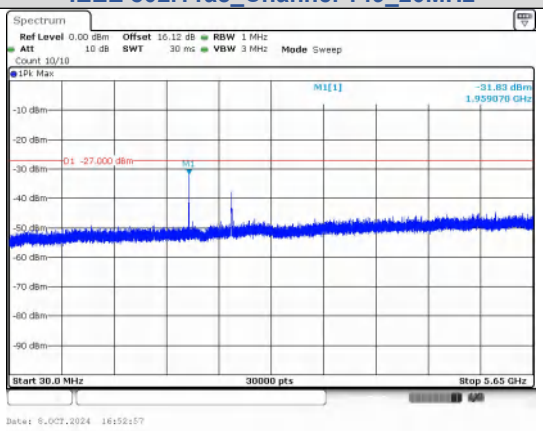

Spurious Emission:30.0~5650 MHz
IEEE 802.11ac_Channel 149_20MHz



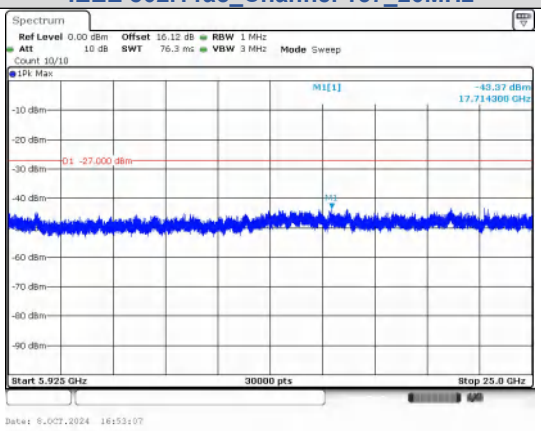

**Spurious Emission:5925~25000.0 MHz**
**IEEE 802.11ac_Channel 149_20MHz**



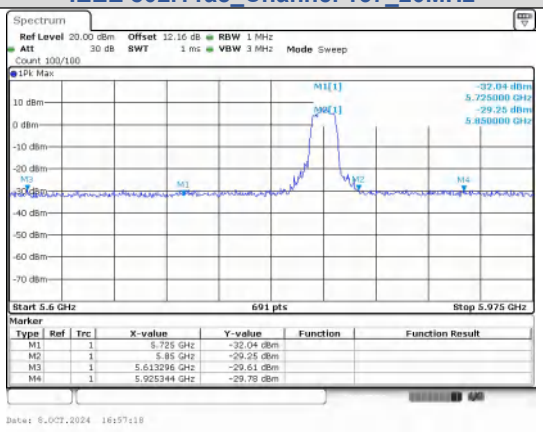

**Out Of Band Emission**
**IEEE 802.11ac_Channel 157_20MHz**



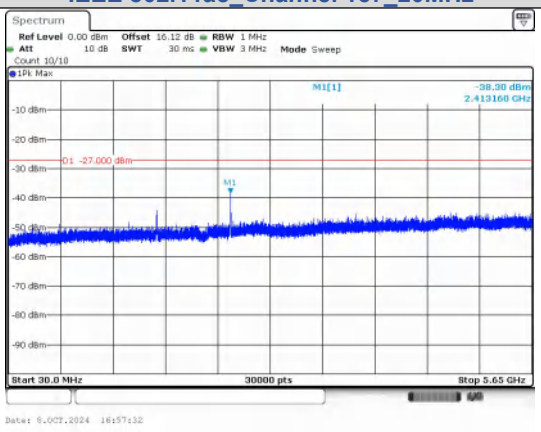

**Spurious Emission:30.0~5650 MHz**
**IEEE 802.11ac_Channel 157_20MHz**



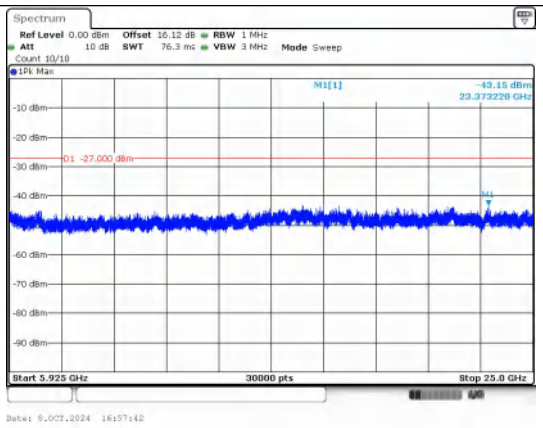

**Spurious Emission:5925~25000.0 MHz**
**IEEE 802.11ac_Channel 157_20MHz**



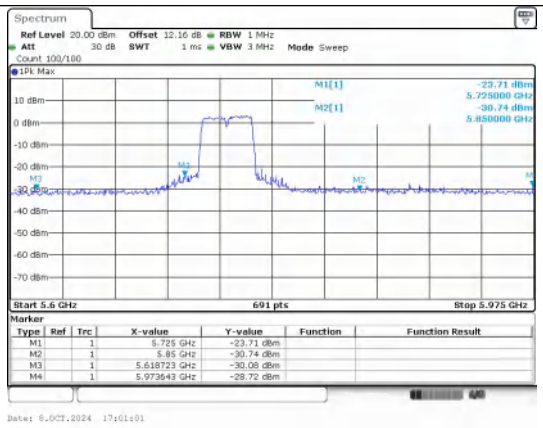

**Out Of Band Emission**
**IEEE 802.11ac_Channel 165_20MHz**



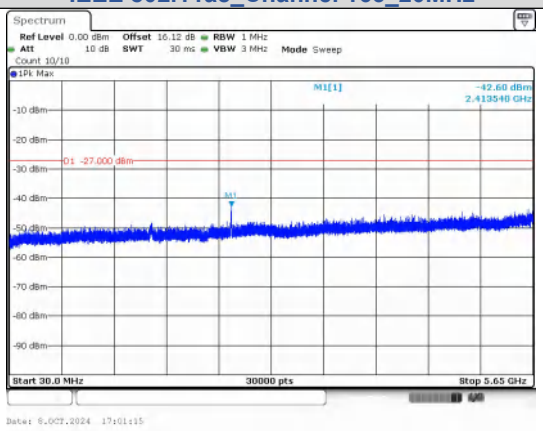

**Spurious Emission:30.0~5650 MHz**
**IEEE 802.11ac_Channel 165_20MHz**



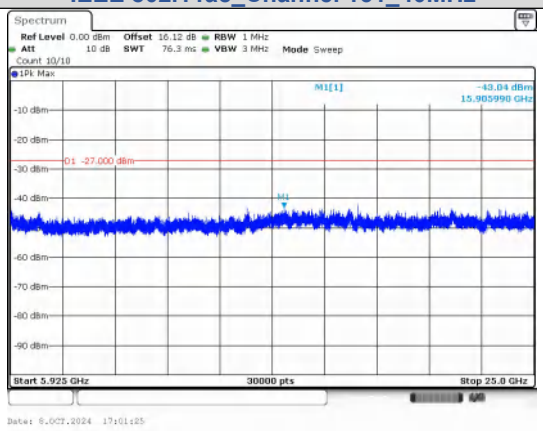

**Spurious Emission:5925~25000.0 MHz**
**IEEE 802.11ac_Channel 165_20MHz**



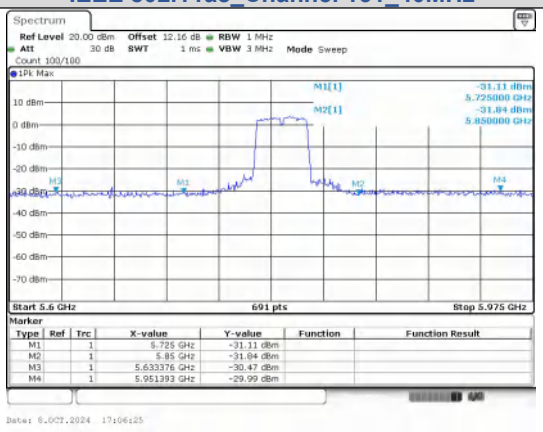

**Out Of Band Emission**
**IEEE 802.11ac_Channel 151_40MHz**



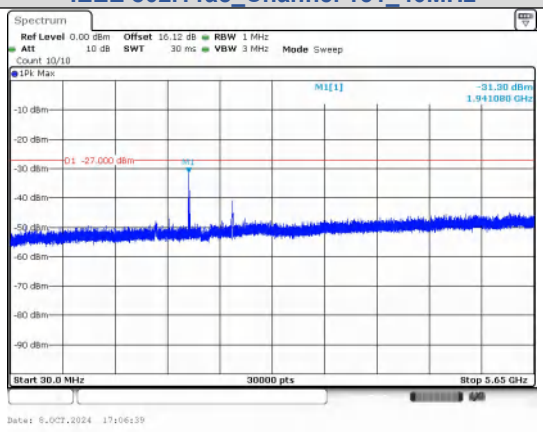

**Spurious Emission:30.0~5650 MHz**
**IEEE 802.11ac_Channel 151_40MHz**



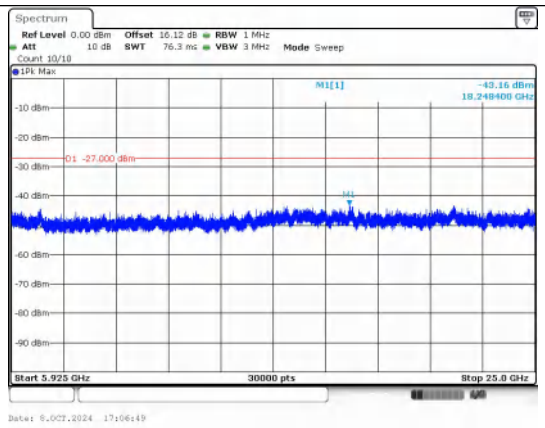

**Spurious Emission:5925~25000.0 MHz**
**IEEE 802.11ac_Channel 151_40MHz**



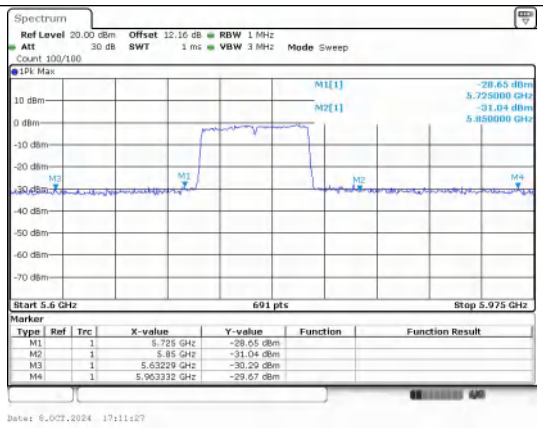

**Out Of Band Emission**
**IEEE 802.11ac_Channel 159_40MHz**



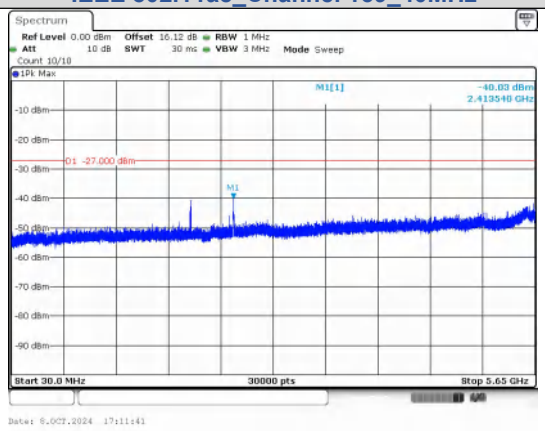

**Spurious Emission:30.0~5650 MHz**
**IEEE 802.11ac_Channel 159_40MHz**



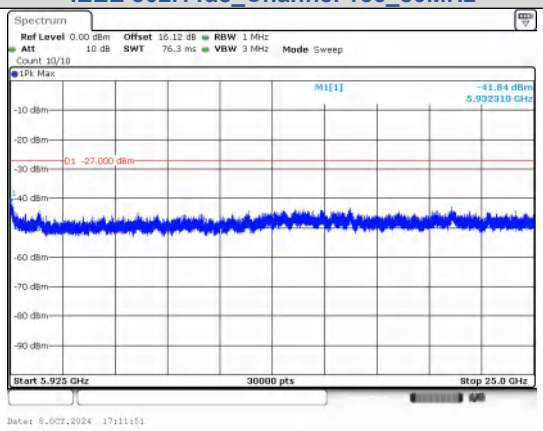

Spurious Emission:5925~25000.0 MHz
IEEE 802.11ac_Channel 159_40MHz




Out Of Band Emission
IEEE 802.11ac_Channel 155_80MHz




Spurious Emission:30.0~5650 MHz
IEEE 802.11ac_Channel 155_80MHz




Spurious Emission:5925~25000.0 MHz
IEEE 802.11ac_Channel 155_80MHz

--The end--