# Appendix G

| | |
|---|---|
| Report No.: | CISRR24070402606 |
| FCC ID: | 2BHK3-MRX1 |
| Product Name: | MR Headset |
| Model No.: | MRX1 |
| Test Engineer: | Lucas Huang |
| Supervised by: | Rory Huang |

## Frequency Stability

**Measured all conditions and recorded worst case.**

**IEEE 802.11a Mode/5745MHz~5825MHz/ 5745 MHz**

| Enviroment Temperature(Dregree) | Voltage(v) | Center Frequency (MHz) | Calculated Value of Center Frequency(MHz) | Value(ppm) | State |
|---|---|---|---|---|---|
| 20 | HV | 5745.0 | 5744.982955 | -2.967 | PASS |
| 20 | LV | 5745.0 | 5744.982703 | -3.011 | PASS |
| 50 | NV | 5745.0 | 5744.983583 | -2.858 | PASS |
| 40 | NV | 5745.0 | 5744.983899 | -2.803 | PASS |
| 30 | NV | 5745.0 | 5744.982755 | -3.002 | PASS |
| 20 | NV | 5745.0 | 5744.982147 | -3.108 | PASS |
| 10 | NV | 5745.0 | 5744.983028 | -2.954 | PASS |
| 0 | NV | 5745.0 | 5744.983171 | -2.929 | PASS |
| -10 | NV | 5745.0 | 5744.983864 | -2.809 | PASS |
| -20 | NV | 5745.0 | 5744.983290 | -2.909 | PASS |
| -30 | NV | 5745.0 | 5744.982955 | -2.967 | PASS |

**IEEE 802.11a Mode/5745MHz~5825MHz/ 5825 MHz**

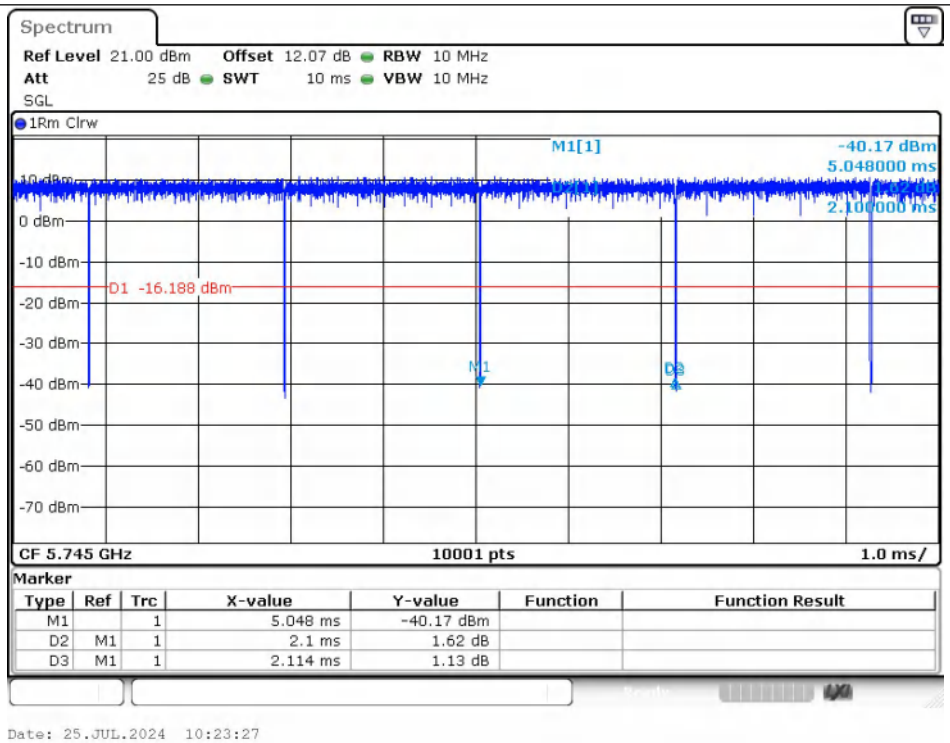
| Enviroment Temperature(Dregree) | Voltage(v) | Center Frequency (MHz) | Calculated Value of Center Frequency(MHz) | Value(ppm) | State |
|---|---|---|---|---|---|
| 20 | HV | 5825.0 | 5824.998219 | -0.306 | PASS |
| 20 | LV | 5825.0 | 5824.997641 | -0.405 | PASS |
| 50 | NV | 5825.0 | 5824.998597 | -0.241 | PASS |
| 40 | NV | 5825.0 | 5824.998715 | -0.221 | PASS |
| 30 | NV | 5825.0 | 5824.999879 | -0.021 | PASS |
| 20 | NV | 5825.0 | 5824.999749 | -0.043 | PASS |
| 10 | NV | 5825.0 | 5824.997621 | -0.408 | PASS |
| 0 | NV | 5825.0 | 5824.999829 | -0.029 | PASS |
| -10 | NV | 5825.0 | 5824.997831 | -0.372 | PASS |
| -20 | NV | 5825.0 | 5824.998203 | -0.308 | PASS |
| -30 | NV | 5825.0 | 5824.998716 | -0.220 | PASS |

## Duty Cycle

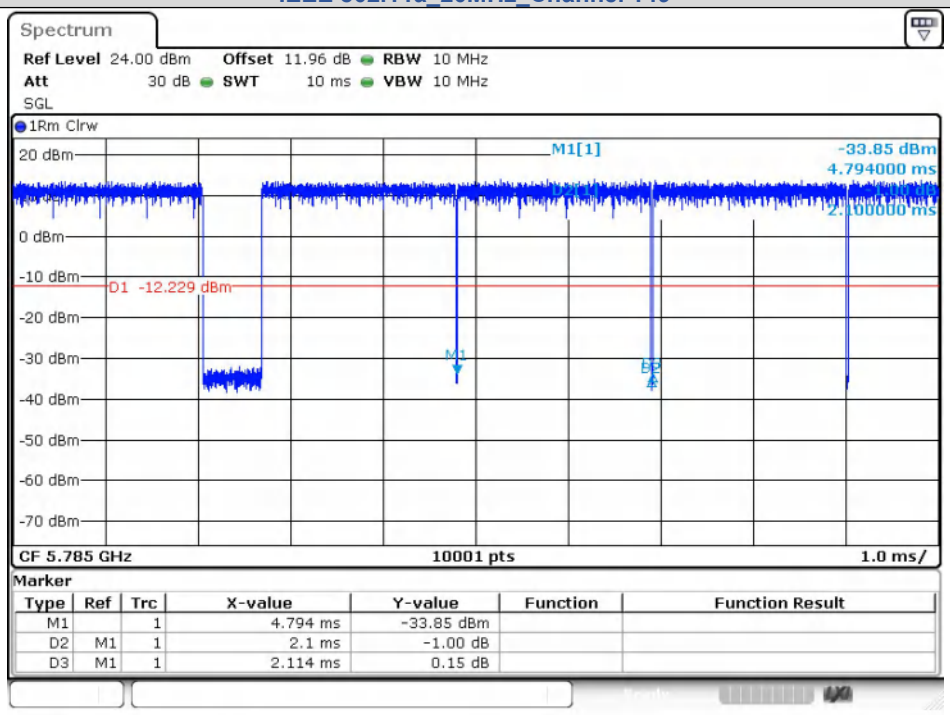
### Test Result

| Mode | Data rates | Channel | RU & Index | Antenna | On Time (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle (linear) | 1/T |
|---|---|---|---|---|---|---|---|---|---|
| IEEE 802.11a | 6 | 149 | N/A | 1 | 2.100 | 2.114 | 99.34 | 0.9934 | 0.48 |
| | | 157 | | | 2.100 | 2.114 | 99.34 | 0.9934 | 0.48 |
| | | 165 | | | 2.100 | 2.744 | 76.53 | 0.7653 | 0.48 |
| IEEE 802.11n_20 | MCS 0 | 149 | | | 5.438 | 5.447 | 99.83 | 0.9983 | 0.18 |
| | | 157 | | | 5.438 | 5.447 | 99.83 | 0.9983 | 0.18 |
| | | 165 | | | 5.438 | 5.447 | 99.83 | 0.9983 | 0.18 |
| IEEE 802.11n_40 | | 151 | | | 5.438 | 5.447 | 99.83 | 0.9983 | 0.18 |
| | | 159 | | | 5.438 | 5.447 | 99.83 | 0.9983 | 0.18 |
| IEEE 802.11ac_20 | | 149 | | | 5.438 | 5.447 | 99.83 | 0.9983 | 0.18 |
| | | 157 | | | 5.436 | 6.095 | 89.18 | 0.8918 | 0.18 |
| | | 165 | | | 5.436 | 5.447 | 99.79 | 0.9979 | 0.18 |
| IEEE 802.11ac_40 | | 151 | | | 5.438 | 5.447 | 99.83 | 0.9983 | 0.18 |
| | | 159 | | | 5.438 | 6.095 | 89.22 | 0.8922 | 0.18 |
| IEEE 802.11ac_80 | | 155 | | | 5.436 | 5.445 | 99.83 | 0.9983 | 0.18 |
| IEEE 802.11ax_20 | | 149 | SU | | 5.454 | 6.210 | 87.83 | 0.8783 | 0.18 |
| | | 157 | | | 5.454 | 5.463 | 99.84 | 0.9984 | 0.18 |
| | | 165 | | | 5.454 | 5.465 | 99.79 | 0.9979 | 0.18 |
| IEEE 802.11ax_40 | | 151 | | | 5.454 | 5.465 | 99.79 | 0.9979 | 0.18 |
| | | 159 | | | 5.454 | 5.463 | 99.84 | 0.9984 | 0.18 |
| IEEE 802.11ax_80 | | 155 | | | 5.454 | 5.463 | 99.84 | 0.9984 | 0.18 |

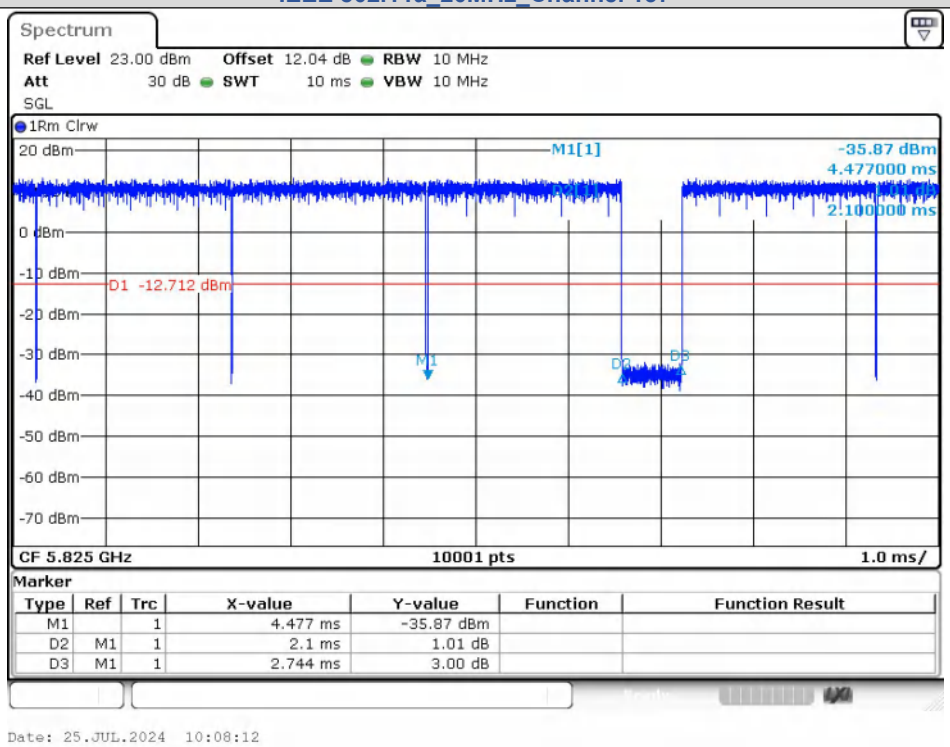
### Test Graphs



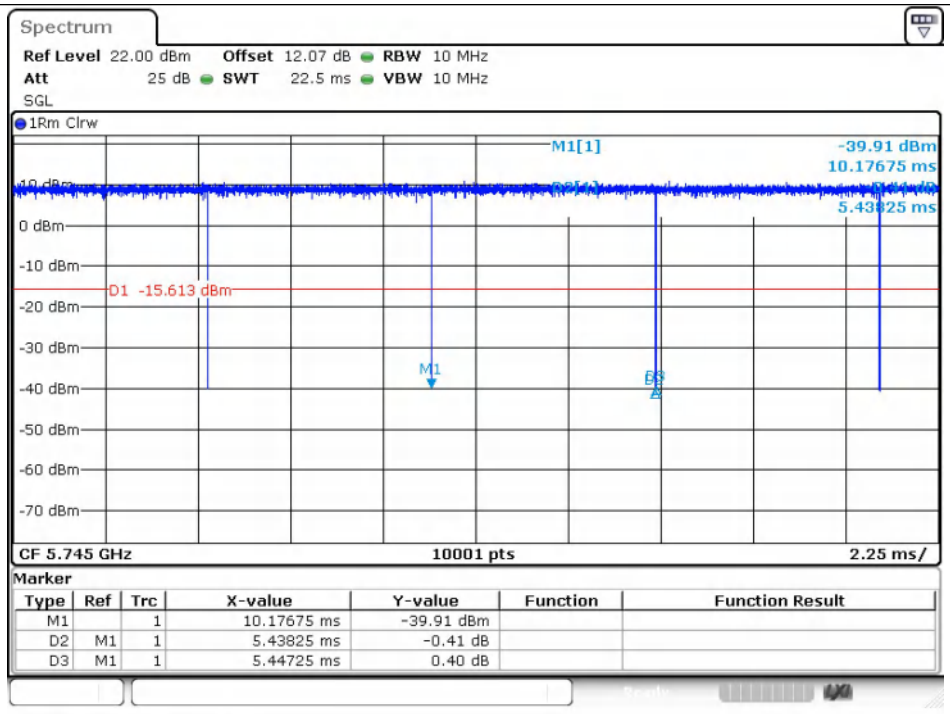
**IEEE 802.11a_20MHz_Channel 149**



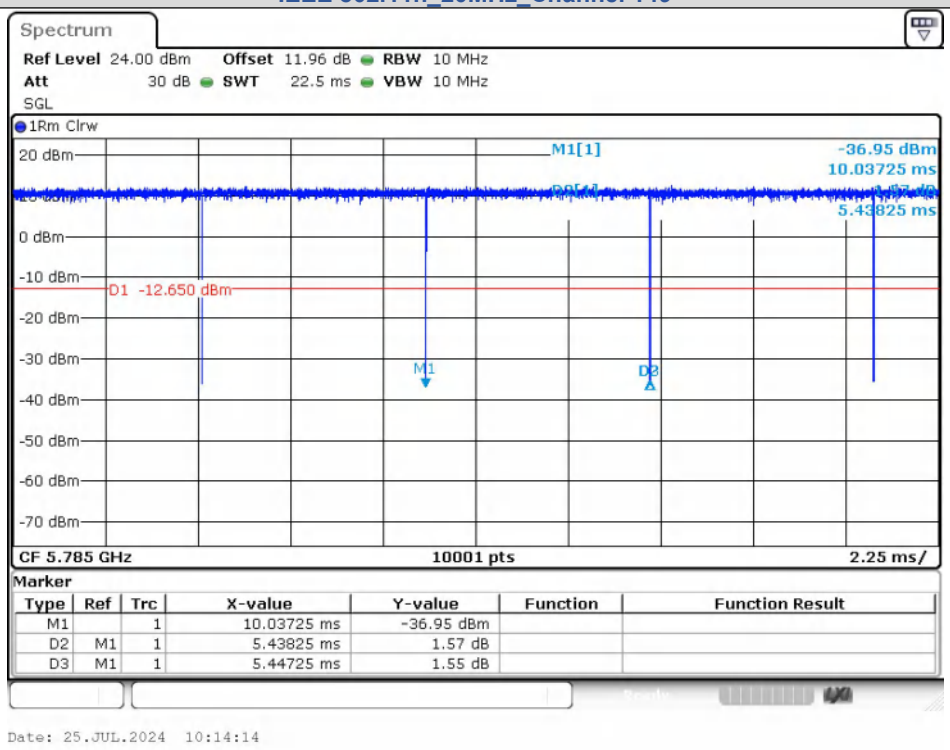

**IEEE 802.11a_20MHz_Channel 157**



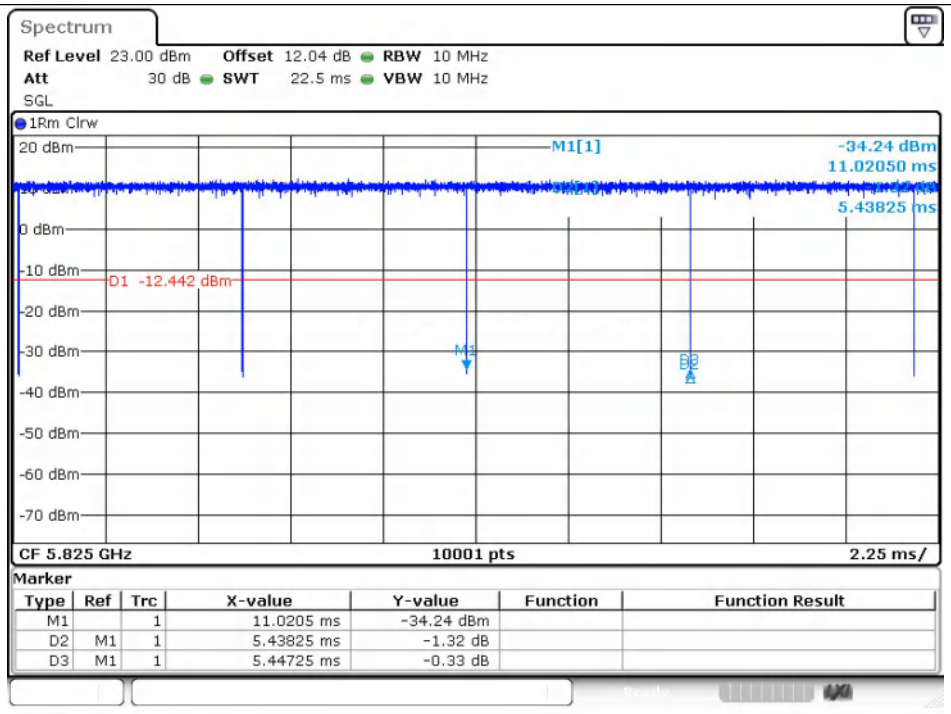

**IEEE 802.11a_20MHz_Channel 165**



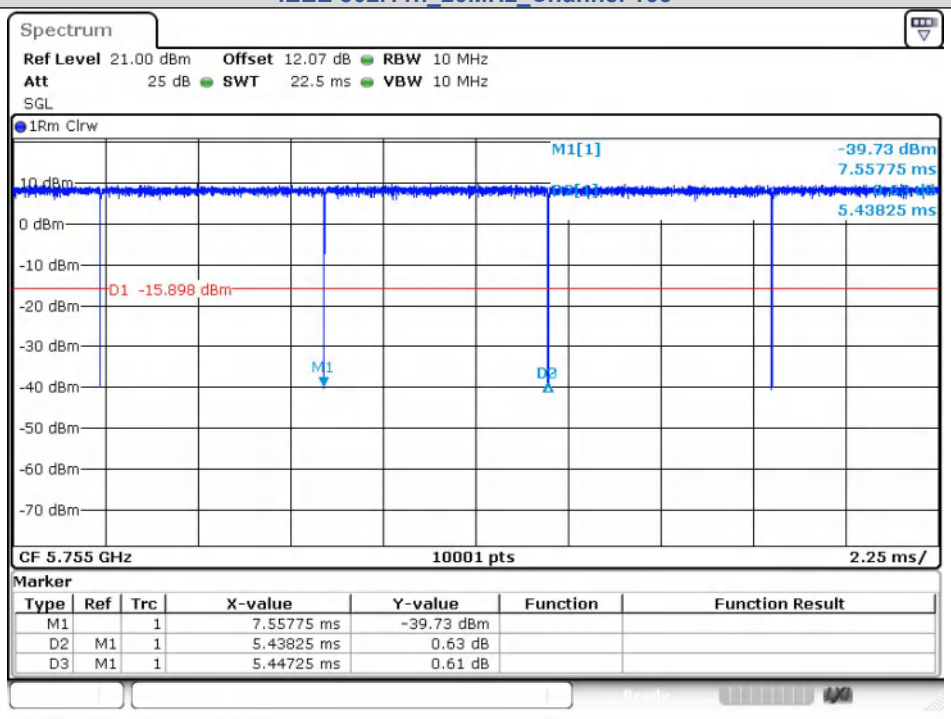

IEEE 802.11n_20MHz_Channel 149



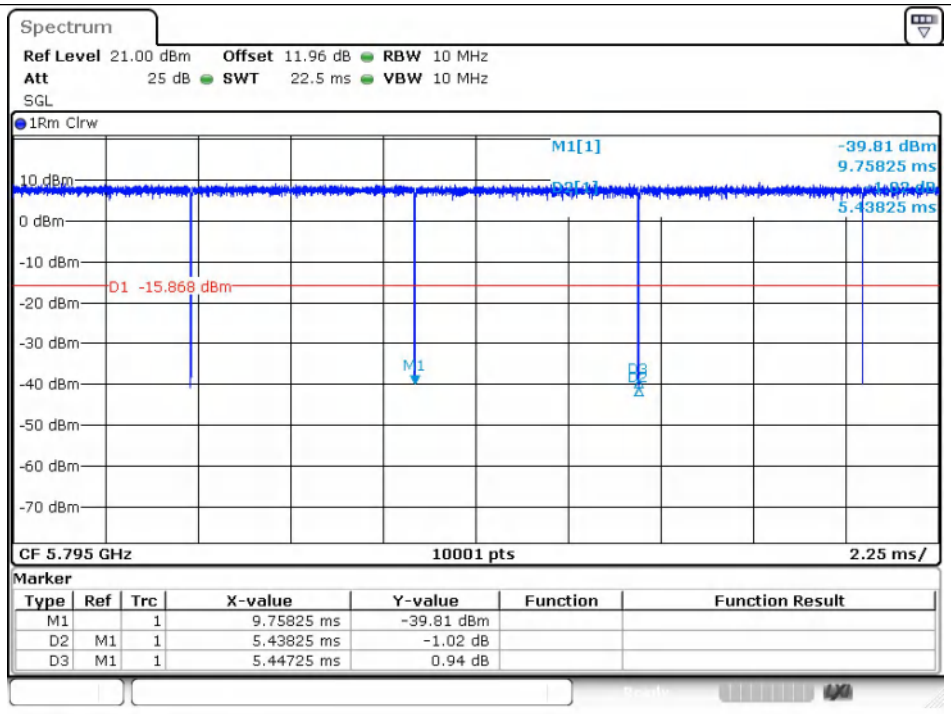

IEEE 802.11n_20MHz_Channel 157



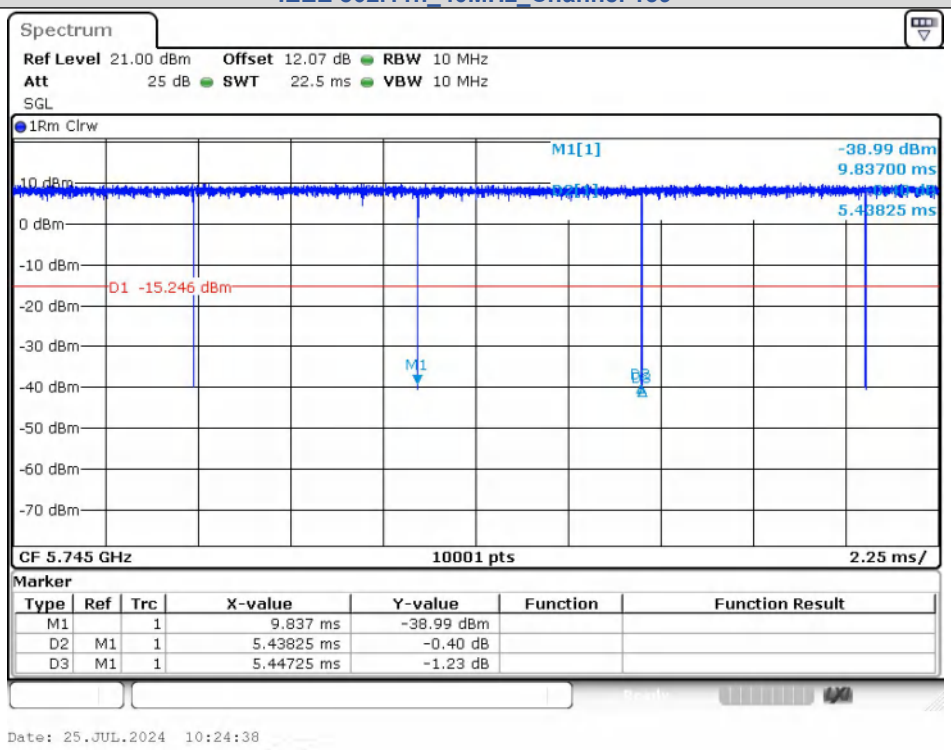

IEEE 802.11n_20MHz_Channel 165



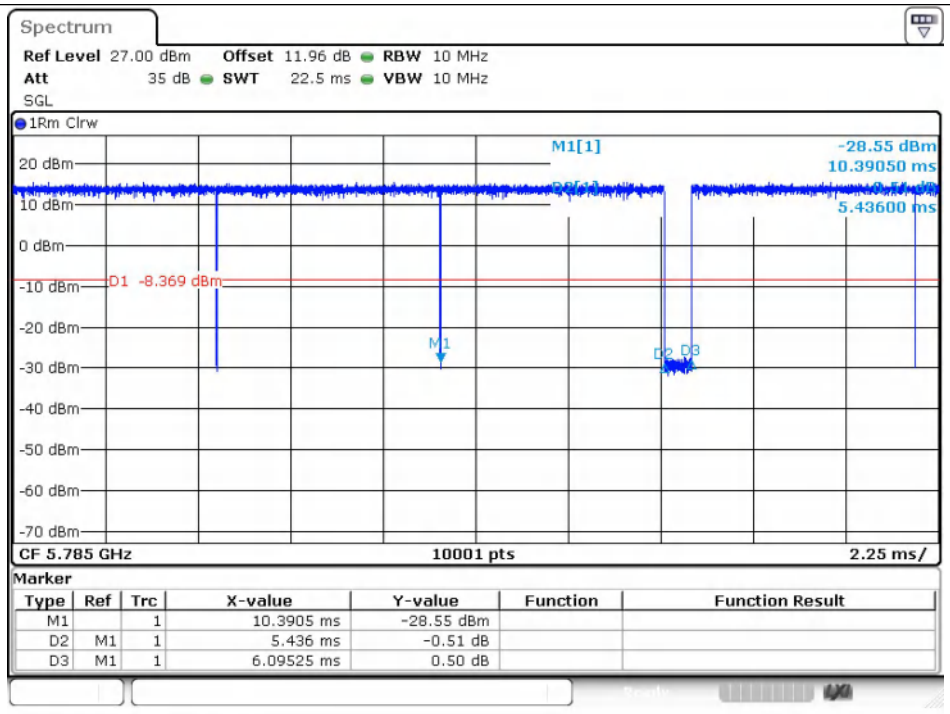

IEEE 802.11n_40MHz_Channel 151



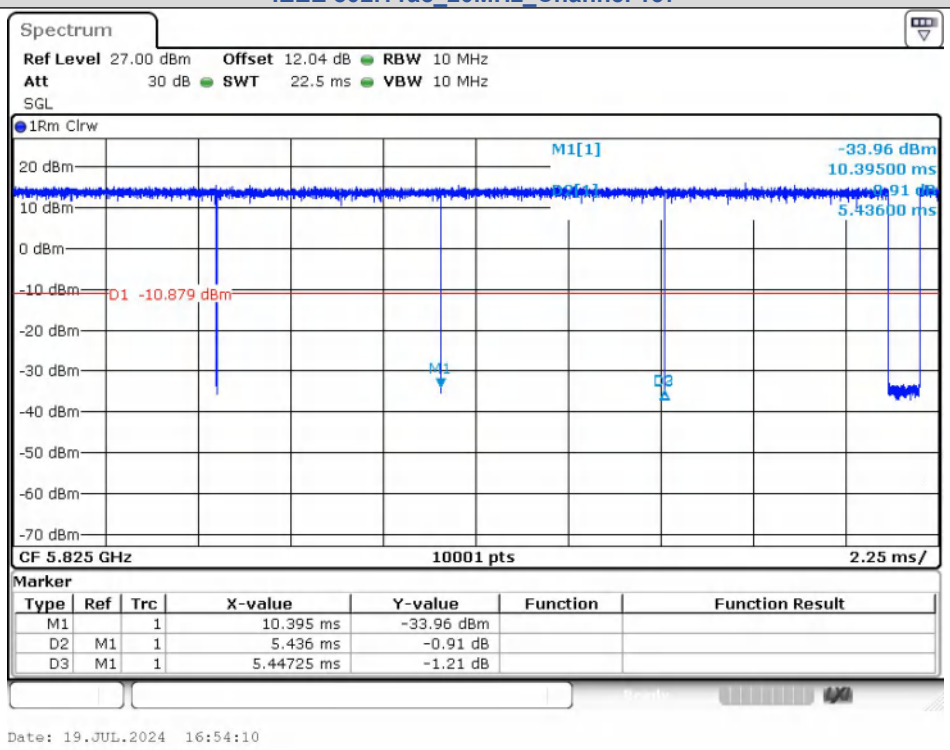

IEEE 802.11n_40MHz_Channel 159



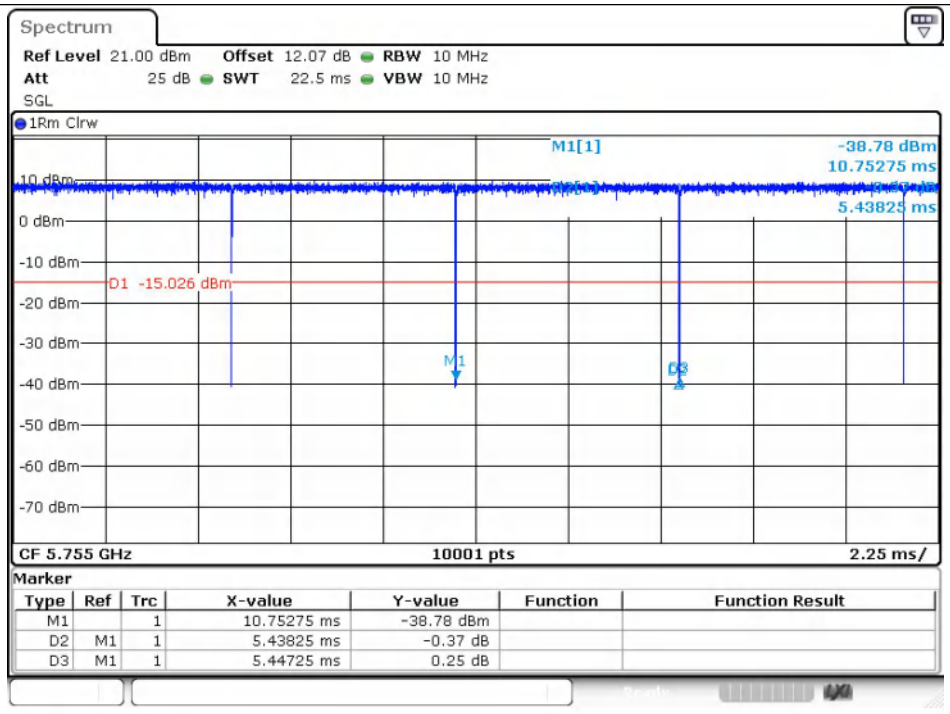

IEEE 802.11ac_20MHz_Channel 149



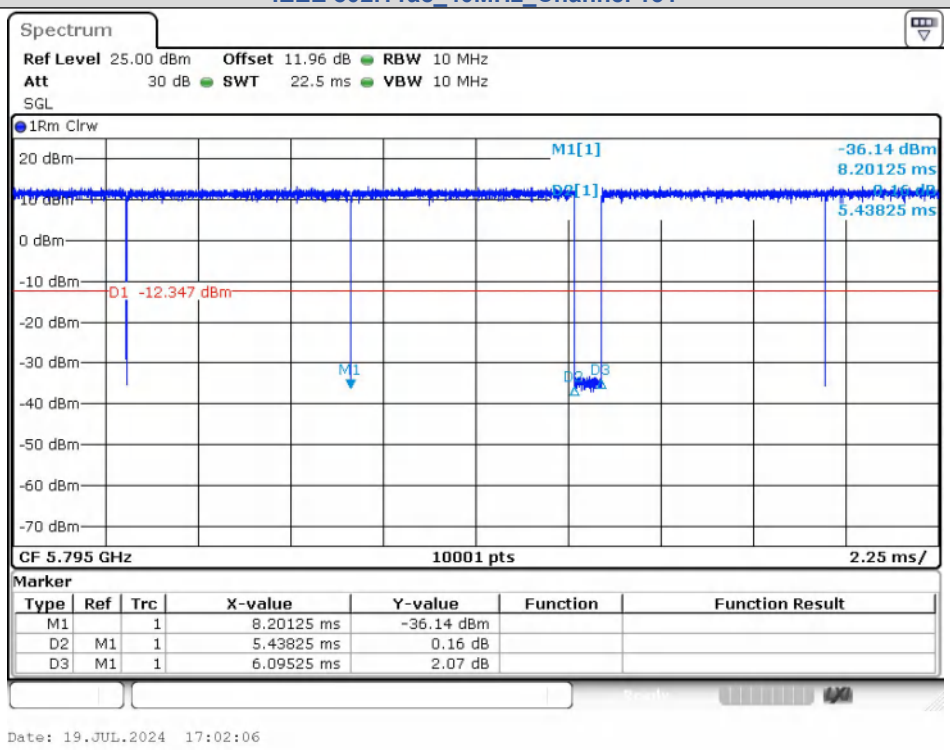

IEEE 802.11ac_20MHz_Channel 157



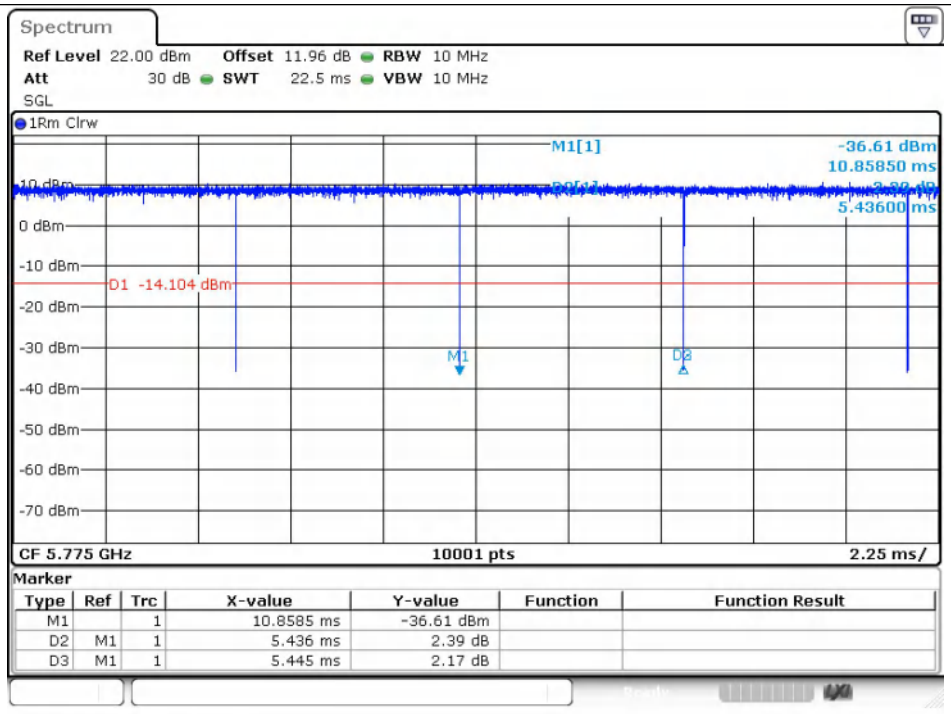

IEEE 802.11ac_20MHz_Channel 165



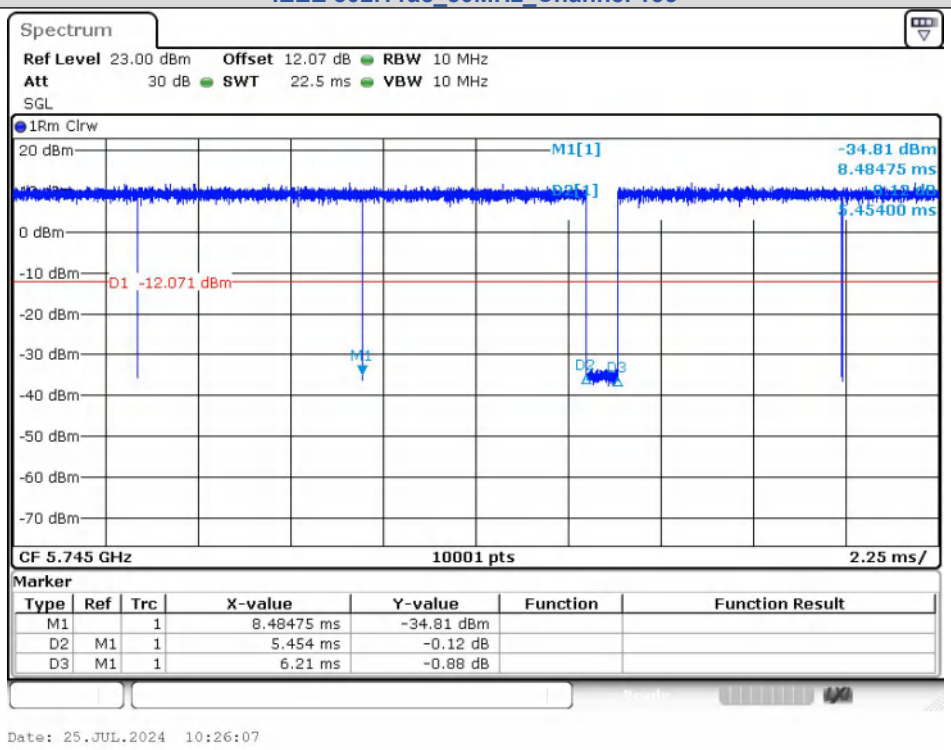

IEEE 802.11ac_40MHz_Channel 151



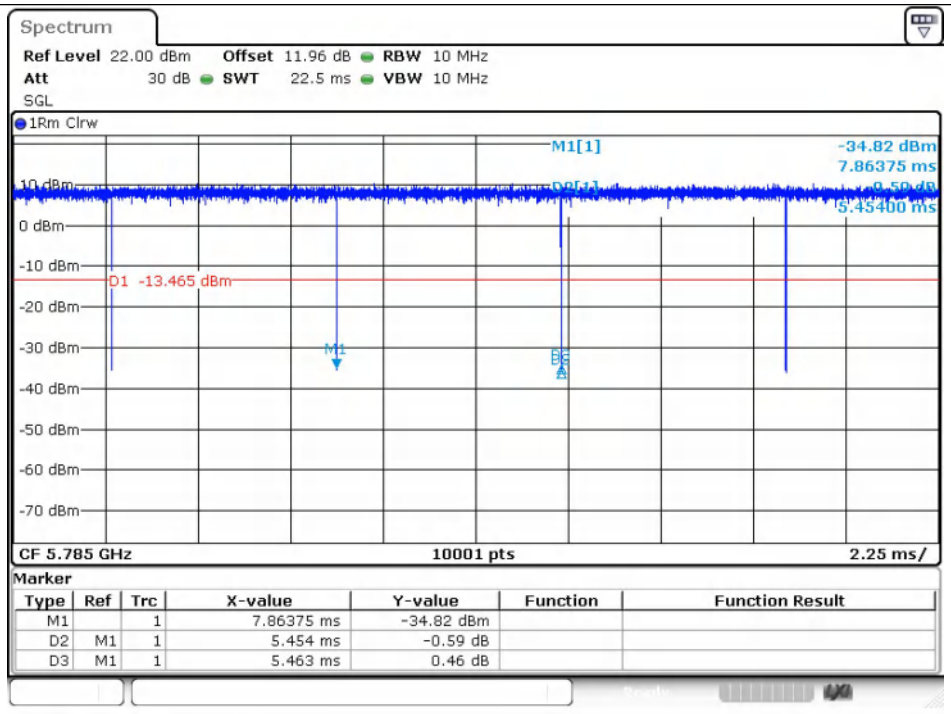

IEEE 802.11ac_40MHz_Channel 159



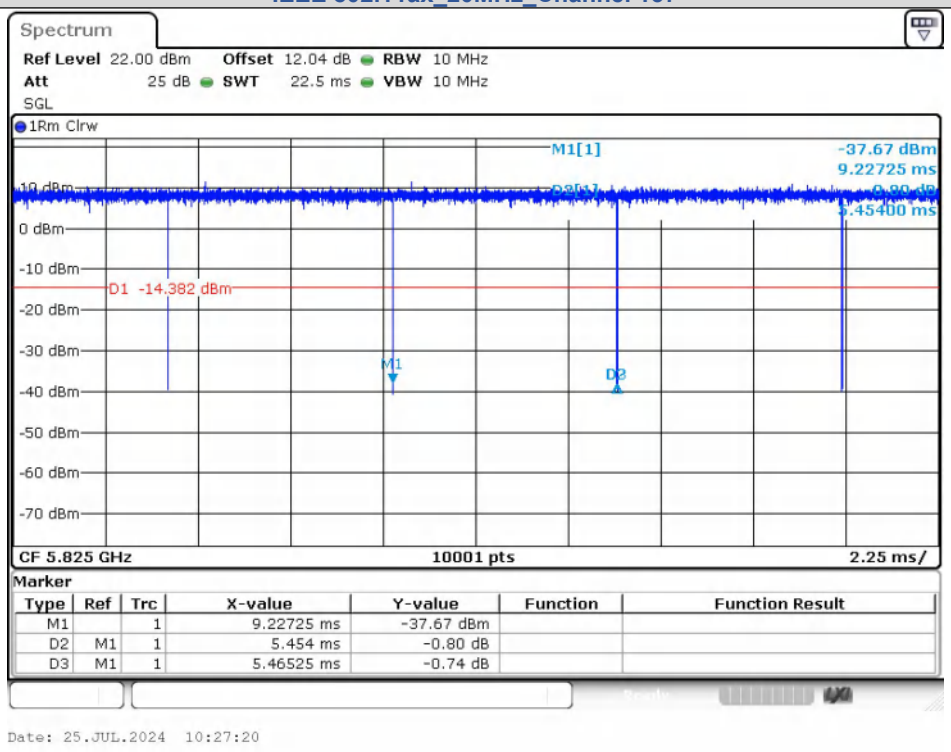

IEEE 802.11ac_80MHz_Channel 155



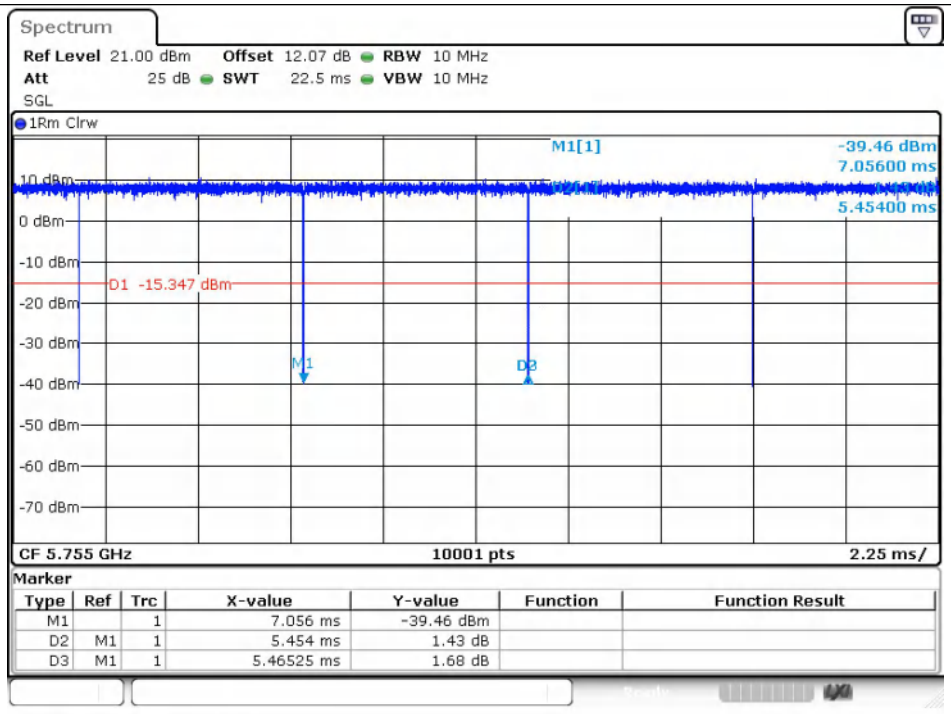

IEEE 802.11ax_20MHz_Channel 149



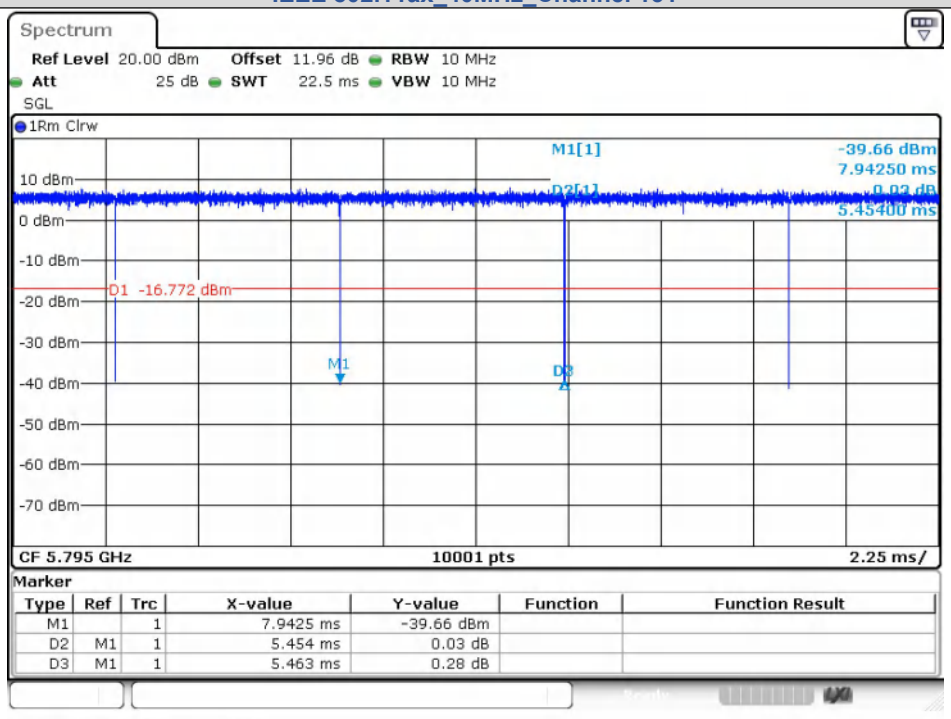

IEEE 802.11ax_20MHz_Channel 157



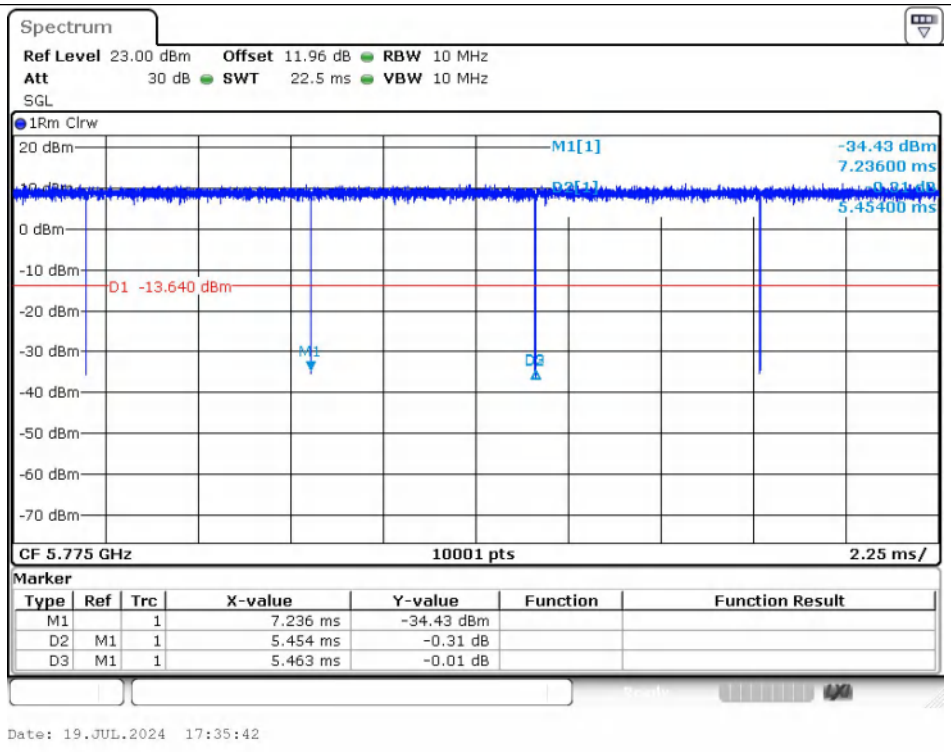

IEEE 802.11ax_20MHz_Channel 165




IEEE 802.11ax_40MHz_Channel 151




IEEE 802.11ax_40MHz_Channel 159



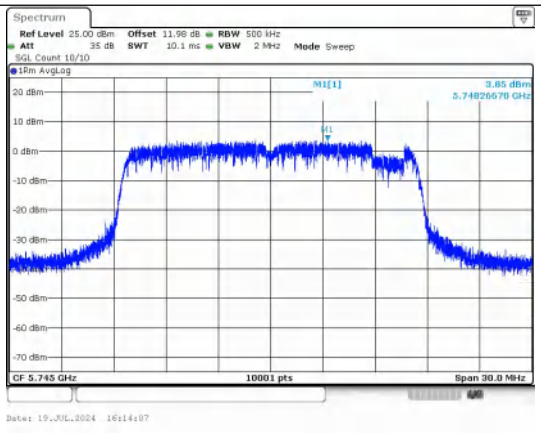

IEEE 802.11ax_80MHz_Channel 155

## Power Spectral Density

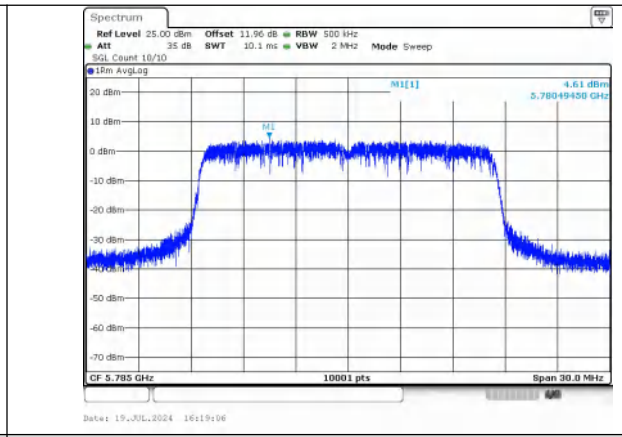
### Test Result

| Mode | Channel | RU & Index | Ant. 0 Meas PSD (dBm/MHz or dBm/0.5MHz) | Limit (dBm/MHz or dBm/0.5MHz) | Result |
|---|---|---|---|---|---|
| IEEE 802.11a | 149 | N/A | 3.85 | 30 | PASS |
| | 157 | | 4.61 | | PASS |
| | 165 | | 3.60 | | PASS |
| IEEE 802.11n_20 | 149 | | 3.65 | | PASS |
| | 157 | | 3.30 | | PASS |
| | 165 | | 3.06 | | PASS |
| IEEE 802.11n_40 | 151 | | 0.52 | | PASS |
| | 159 | | 0.59 | | PASS |
| IEEE 802.11ac_20 | 149 | | 3.52 | | PASS |
| | 157 | | 3.75 | | PASS |
| | 165 | | 3.08 | | PASS |
| IEEE 802.11ac_40 | 151 | | 0.69 | | PASS |
| | 159 | | 0.45 | | PASS |
| IEEE 802.11ac_80 | 155 | | -2.39 | | PASS |
| IEEE 802.11ax_20 | 149 | SU | 3.39 | | PASS |
| | 157 | | 3.67 | | PASS |
| | 165 | | 3.49 | | PASS |
| IEEE 802.11ax_40 | 151 | | 0.80 | | PASS |
| | 159 | | 0.73 | | PASS |
| IEEE 802.11ax_80 | 155 | | -2.02 | | PASS |

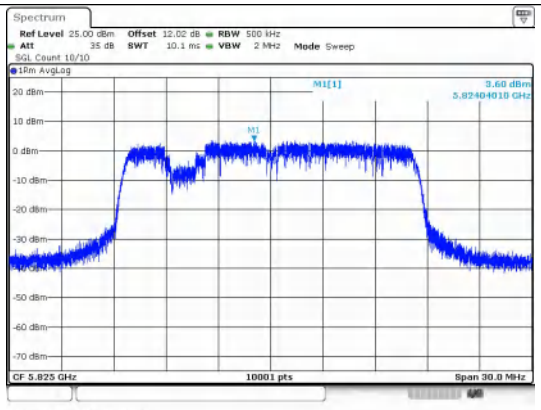
### Test Graphs



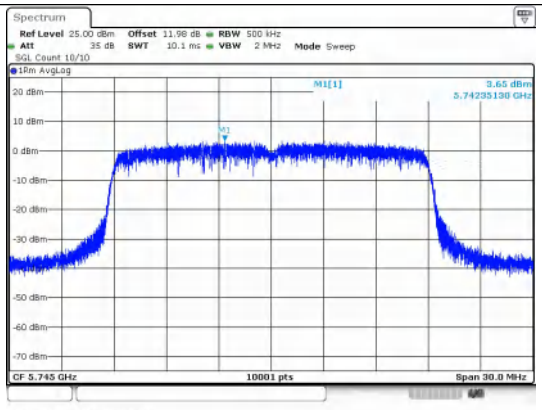

IEEE 802.11a_Channel 149_20MHz_Antenna 0



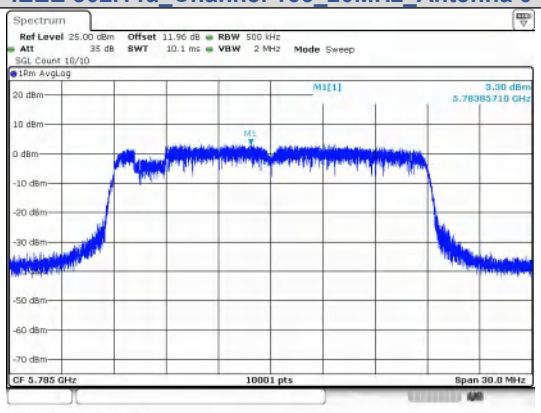

IEEE 802.11a_Channel 157_20MHz_Antenna 0



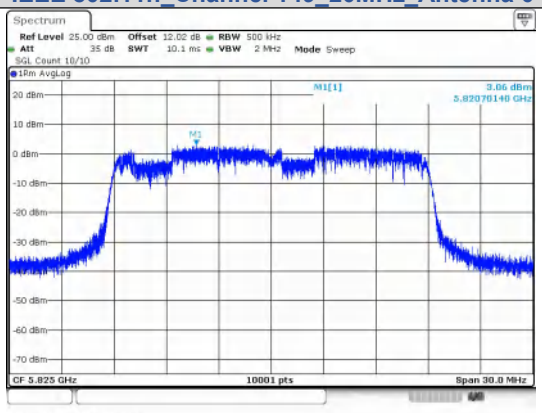

IEEE 802.11a_Channel 165_20MHz_Antenna 0



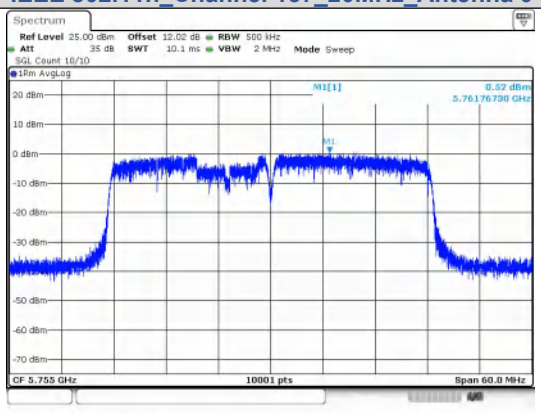

IEEE 802.11n_Channel 149_20MHz_Antenna 0



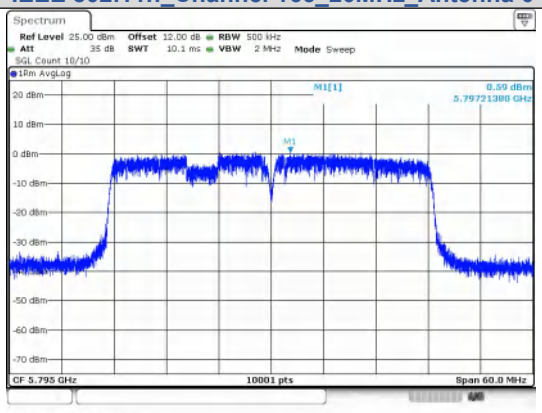

IEEE 802.11n_Channel 157_20MHz_Antenna 0



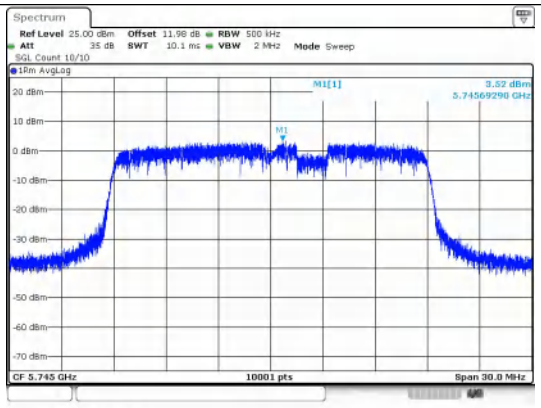

IEEE 802.11n_Channel 165_20MHz_Antenna 0



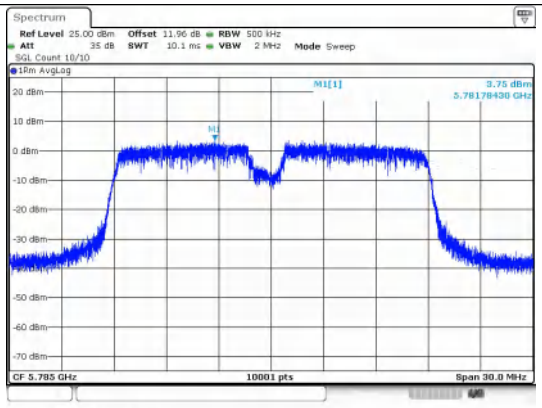

IEEE 802.11n_Channel 151_40MHz_Antenna 0



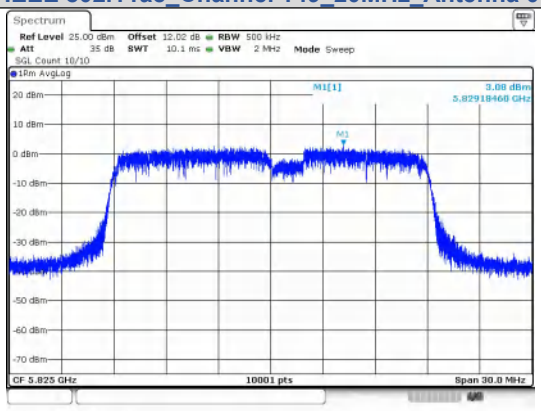

IEEE 802.11n_Channel 159_40MHz_Antenna 0



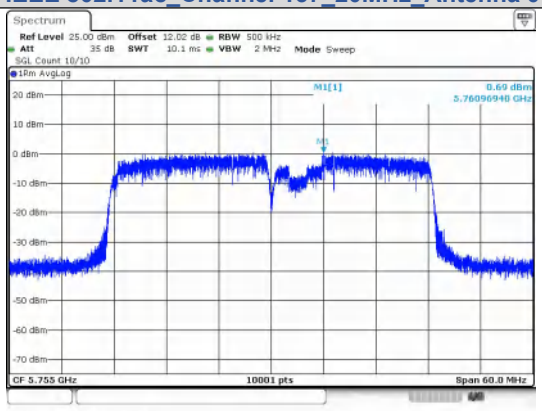

IEEE 802.11ac_Channel 149_20MHz_Antenna 0



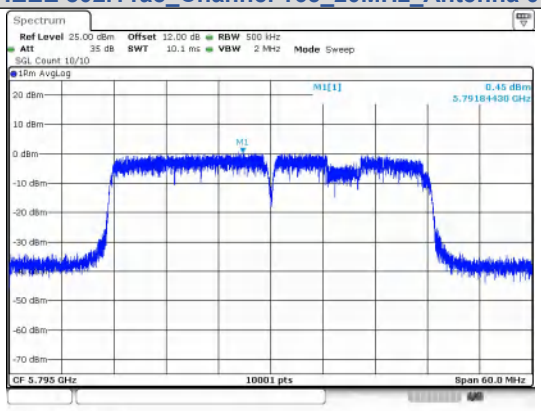

IEEE 802.11ac_Channel 157_20MHz_Antenna 0



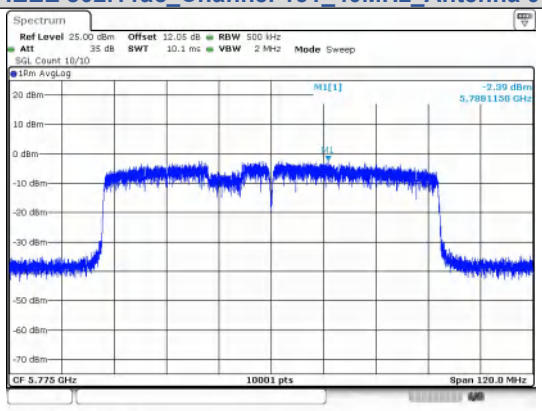

IEEE 802.11ac_Channel 165_20MHz_Antenna 0



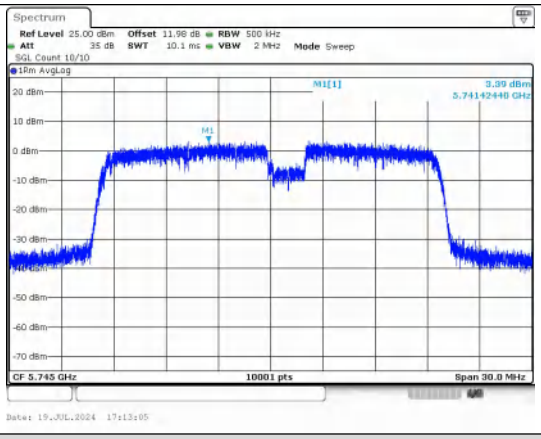

IEEE 802.11ac_Channel 151_40MHz_Antenna 0



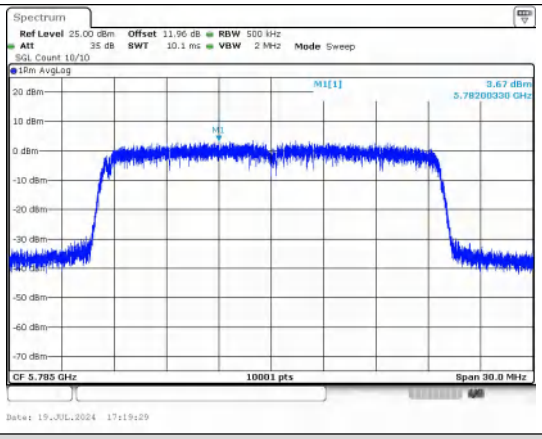

IEEE 802.11ac_Channel 159_40MHz_Antenna 0



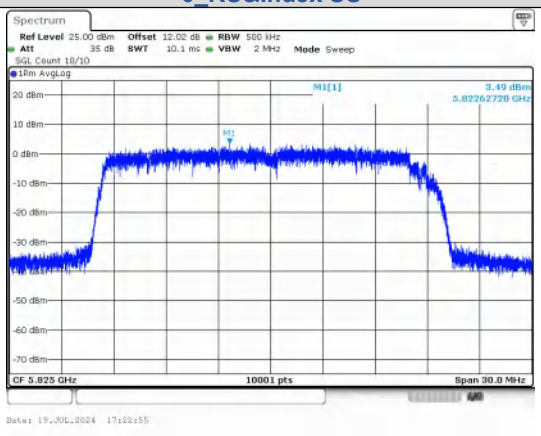

IEEE 802.11ac_Channel 155_80MHz_Antenna 0



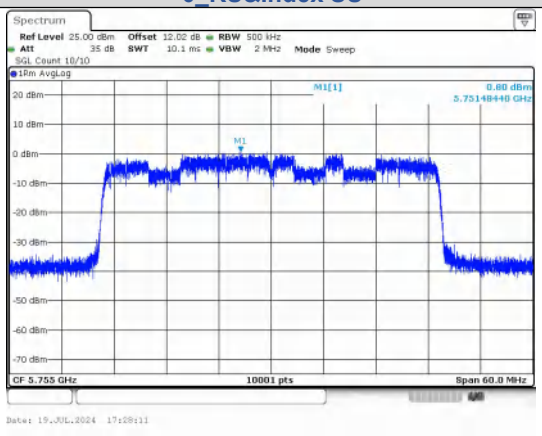

IEEE 802.11ax_Channel 149_20MHz_Antenna 0_RU&Index SU



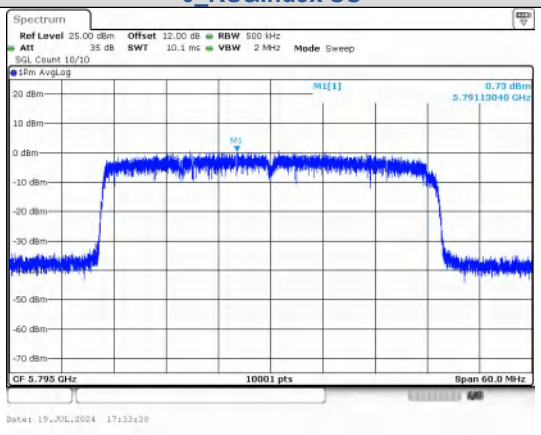

IEEE 802.11ax_Channel 157_20MHz_Antenna 0_RU&Index SU



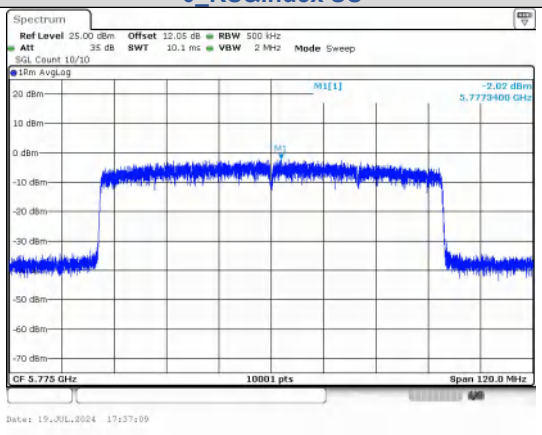

IEEE 802.11ax_Channel 165_20MHz_Antenna 0_RU&Index SU




IEEE 802.11ax_Channel 151_40MHz_Antenna 0_RU&Index SU




IEEE 802.11ax_Channel 159_40MHz_Antenna 0_RU&Index SU

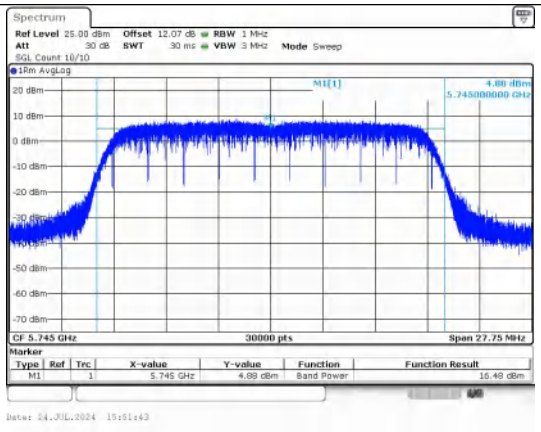



IEEE 802.11ax_Channel 155_80MHz_Antenna 0_RU&Index SU

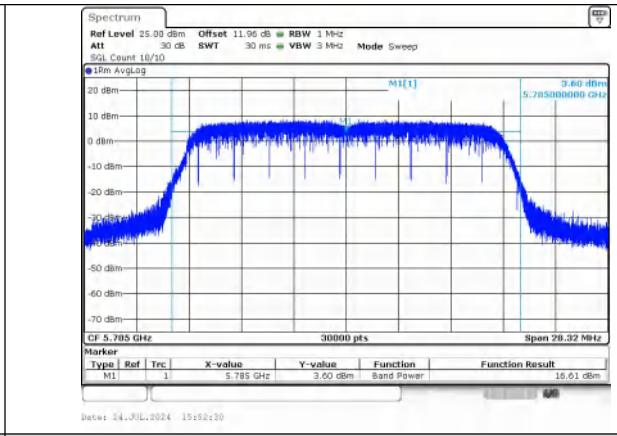
## Conducted AVG Output Power

Conducted output power

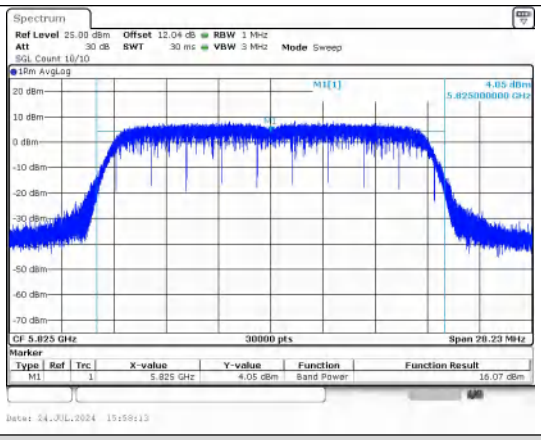
| Mode | Channel | RU & Index | Ant. 0 (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|
| IEEE 802.11a | 149 | N/A | 16.48 | ≤30 | PASS |
| | 157 | | 16.61 | ≤30 | PASS |
| | 165 | | 16.07 | ≤30 | PASS |
| IEEE 802.11n_20 | 149 | | 16.40 | ≤30 | PASS |
| | 157 | | 16.60 | ≤30 | PASS |
| | 165 | | 16.16 | ≤30 | PASS |
| IEEE 802.11n_40 | 151 | | 16.84 | ≤30 | PASS |
| | 159 | | 16.61 | ≤30 | PASS |
| IEEE 802.11ac_20 | 149 | | 16.47 | ≤30 | PASS |
| | 157 | | 16.46 | ≤30 | PASS |
| | 165 | | 15.99 | ≤30 | PASS |
| IEEE 802.11ac_40 | 151 | | 16.95 | ≤30 | PASS |
| | 159 | | 16.68 | ≤30 | PASS |
| IEEE 802.11ac_80 | 155 | | 15.80 | ≤30 | PASS |
| IEEE 802.11ax_20 | 149 | SU | 16.51 | ≤30 | PASS |
| | 157 | | 16.72 | ≤30 | PASS |
| | 165 | | 16.29 | ≤30 | PASS |
| IEEE 802.11ax_40 | 151 | | 16.64 | ≤30 | PASS |
| | 159 | | 16.29 | ≤30 | PASS |
| IEEE 802.11ax_80 | 155 | | 16.54 | ≤30 | PASS |



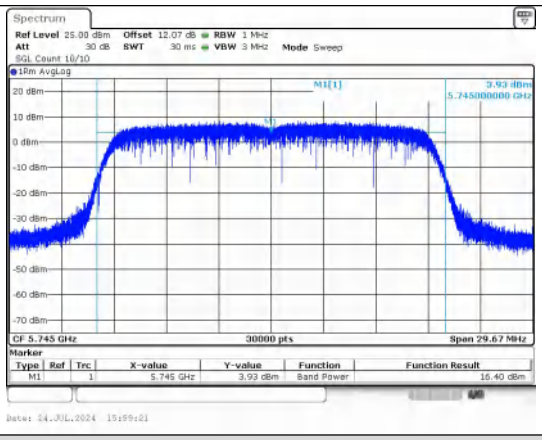

Conducted AVG output power
IEEE 802.11a_Channel 149_Antenna 0



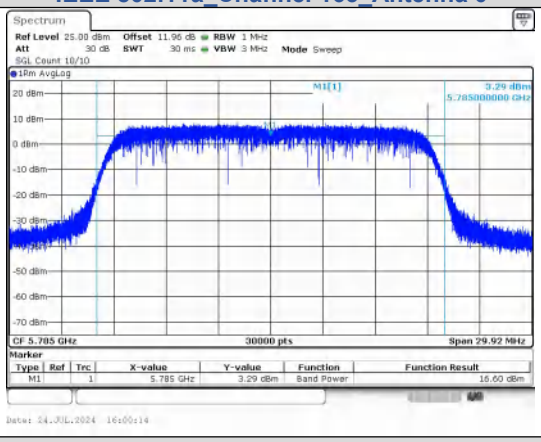

Conducted AVG output power
IEEE 802.11a_Channel 157_Antenna 0



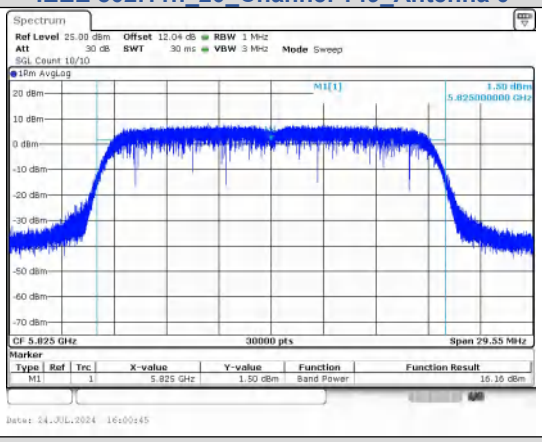

Conducted AVG output power
IEEE 802.11a_Channel 165_Antenna 0



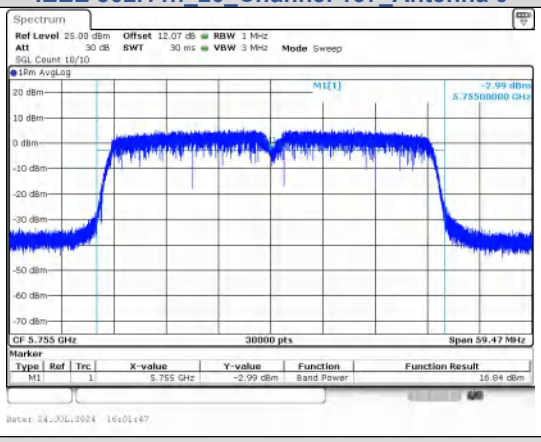

Conducted AVG output power
IEEE 802.11n_20_Channel 149_Antenna 0



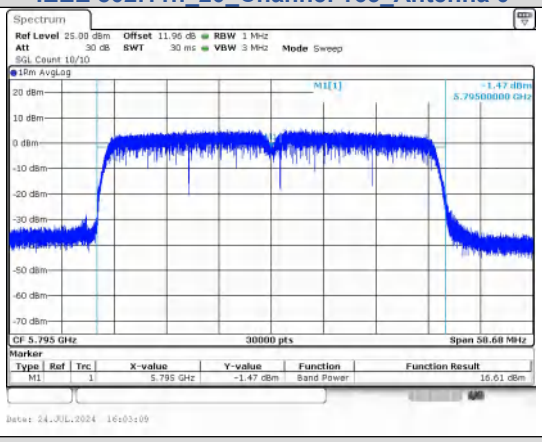

Conducted AVG output power
IEEE 802.11n_20_Channel 157_Antenna 0



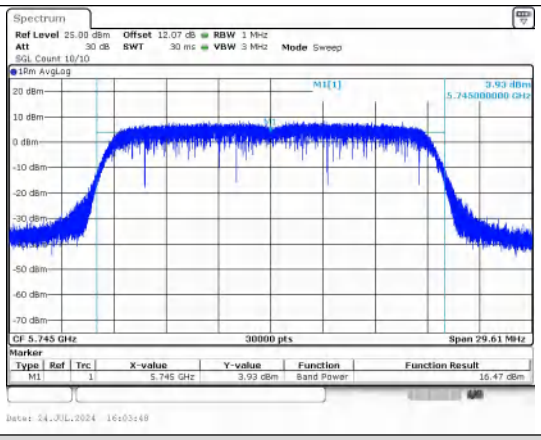

Conducted AVG output power
IEEE 802.11n_20_Channel 165_Antenna 0



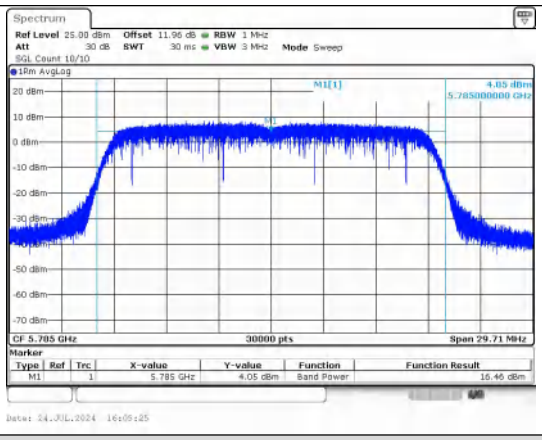

Conducted AVG output power
IEEE 802.11n_40_Channel 151_Antenna 0



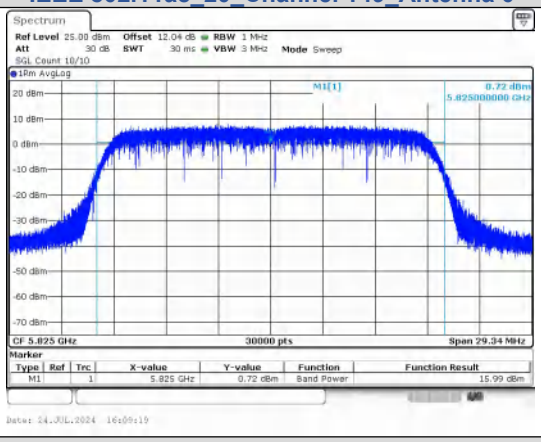

Conducted AVG output power
IEEE 802.11n_40_Channel 159_Antenna 0



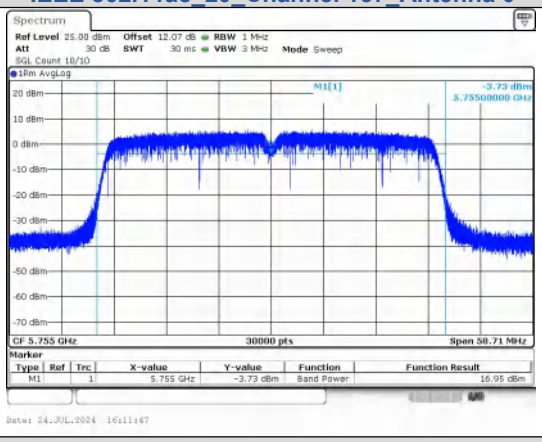

Conducted AVG output power
IEEE 802.11ac_20_Channel 149_Antenna 0



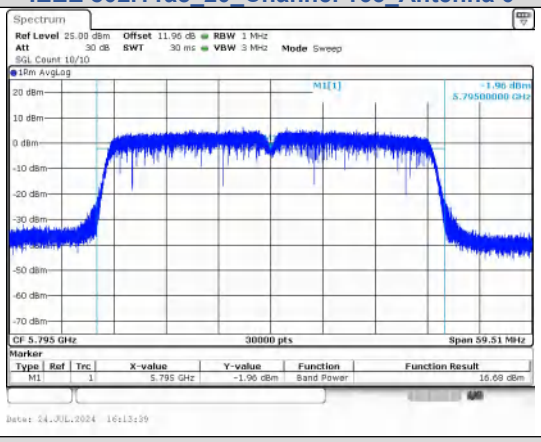

Conducted AVG output power
IEEE 802.11ac_20_Channel 157_Antenna 0



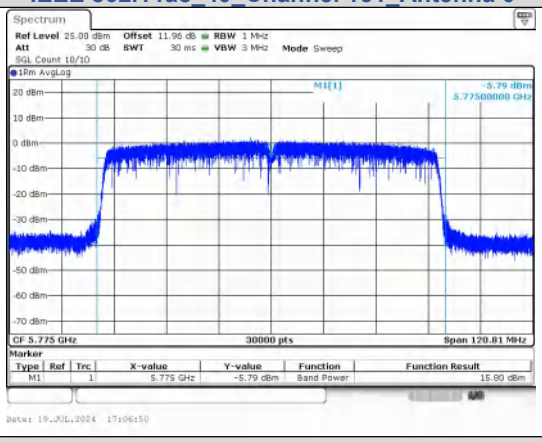

Conducted AVG output power
IEEE 802.11ac_20_Channel 165_Antenna 0



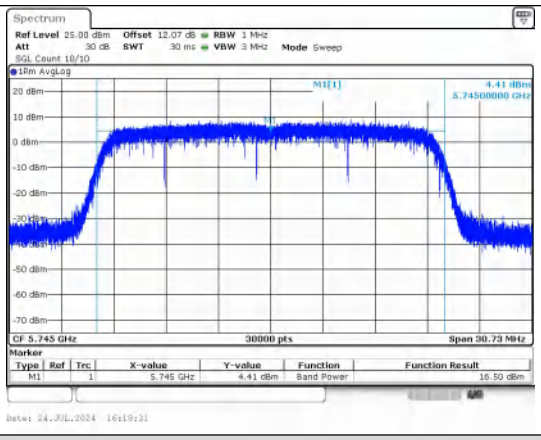

Conducted AVG output power
IEEE 802.11ac_40_Channel 151_Antenna 0



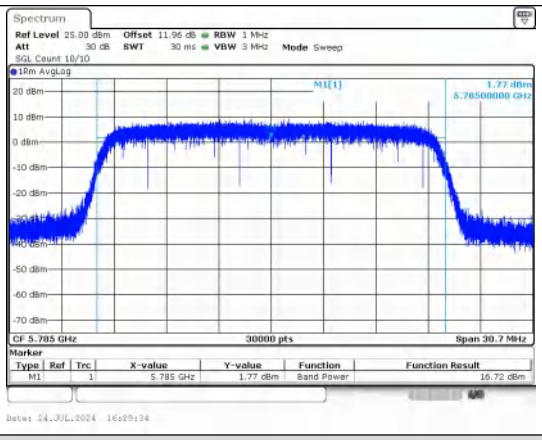

Conducted AVG output power
IEEE 802.11ac_40_Channel 159_Antenna 0



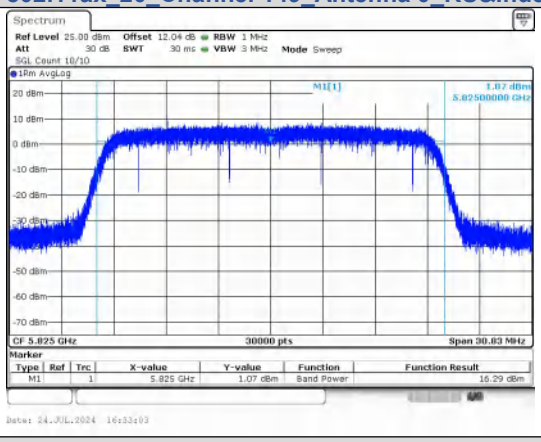

Conducted AVG output power
IEEE 802.11ac_80_Channel 155_Antenna 0



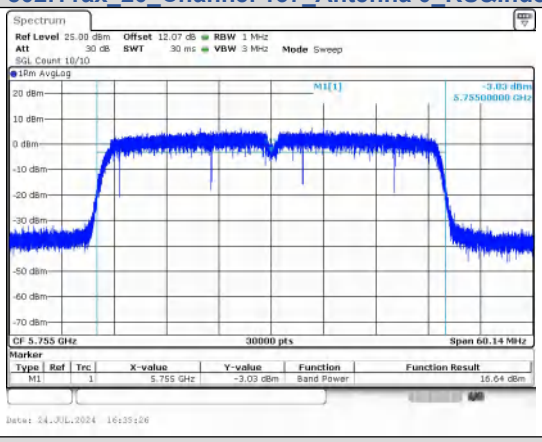

Conducted AVG output power
IEEE 802.11ax_20_Channel 149_Antenna 0_RU&Index SU



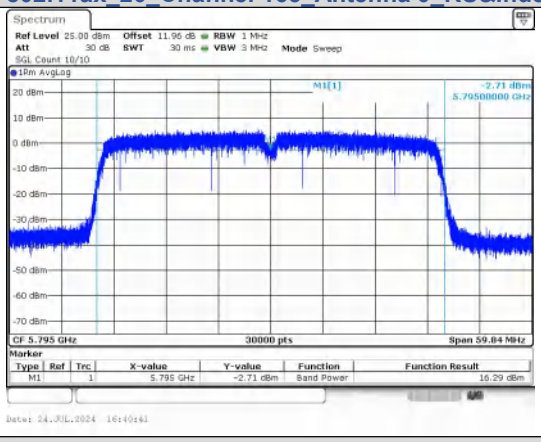

Conducted AVG output power
IEEE 802.11ax_20_Channel 157_Antenna 0_RU&Index SU



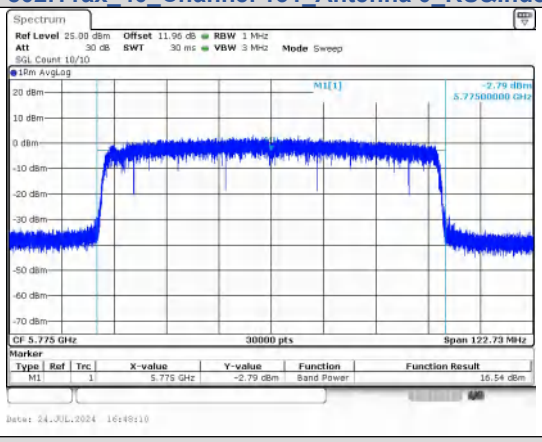

Conducted AVG output power
IEEE 802.11ax_20_Channel 165_Antenna 0_RU&Index SU




Conducted AVG output power
IEEE 802.11ax_40_Channel 151_Antenna 0_RU&Index SU




Conducted AVG output power
IEEE 802.11ax_40_Channel 159_Antenna 0_RU&Index SU



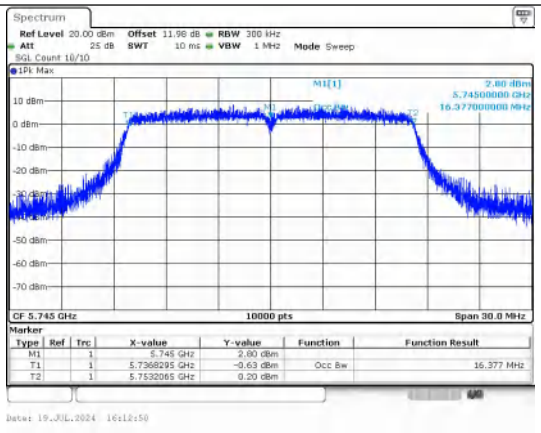

Conducted AVG output power
IEEE 802.11ax_80_Channel 155_Antenna 0_RU&Index SU

## 99% Bandwidth

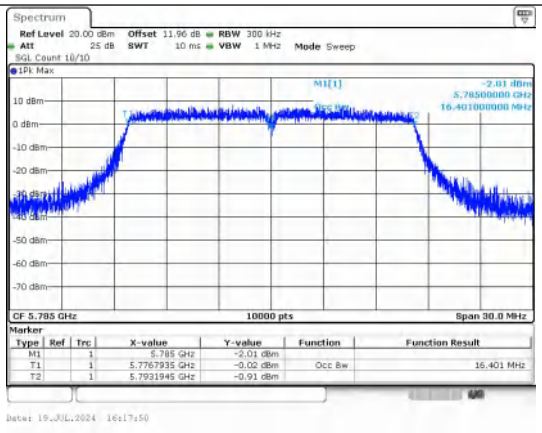
### Test Result

| Mode | Channel | RU & Index | Ant. | Center Frequency (MHz) | 99% BW (MHz) |
|---|---|---|---|---|---|
| IEEE 802.11a | 149 | N/A | 0 | 5745 | 16.380 |
| | 157 | | | 5785 | 16.400 |
| | 165 | | | 5825 | 16.410 |
| IEEE 802.11n_20 | 149 | | | 5745 | 17.570 |
| | 157 | | | 5785 | 17.600 |
| | 165 | | | 5825 | 17.590 |
| IEEE 802.11n_40 | 151 | | | 5755 | 35.950 |
| | 159 | | | 5795 | 35.980 |
| IEEE 802.11ac_20 | 149 | | | 5745 | 17.590 |
| | 157 | | | 5785 | 17.610 |
| | 165 | | | 5825 | 17.590 |
| IEEE 802.11ac_40 | 151 | | | 5755 | 35.960 |
| | 159 | | | 5795 | 35.990 |
| IEEE 802.11ac_80 | 155 | | | 5775 | 75.240 |
| IEEE 802.11ax_20 | 149 | SU | | 5745 | 18.870 |
| | 157 | | | 5785 | 18.890 |
| | 165 | | | 5825 | 18.880 |
| IEEE 802.11ax_40 | 151 | | | 5755 | 37.590 |
| | 159 | | | 5795 | 37.650 |
| IEEE 802.11ax_80 | 155 | | | 5775 | 76.860 |

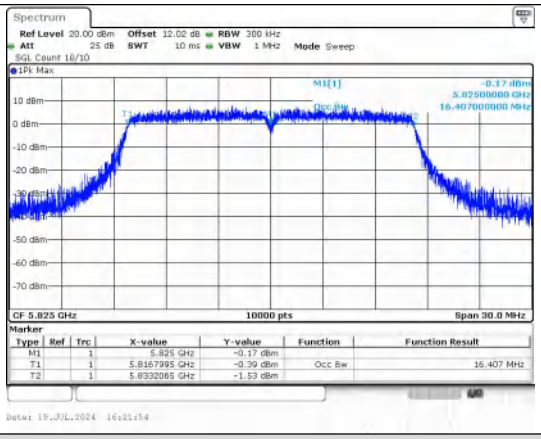
### Test Graphs



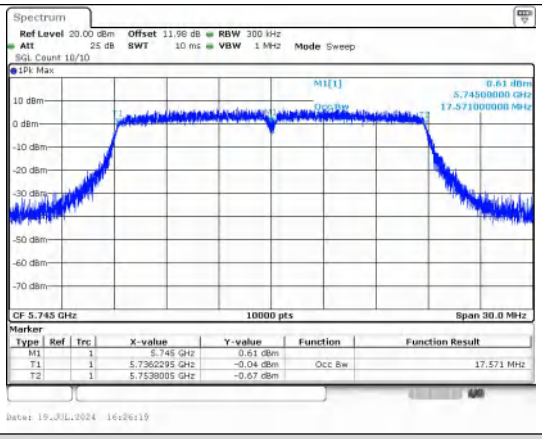

IEEE 802.11a_Channel 149_20MHz_Antenna 0



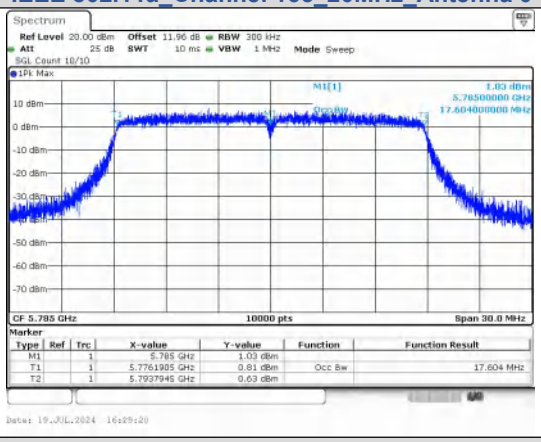

IEEE 802.11a_Channel 157_20MHz_Antenna 0



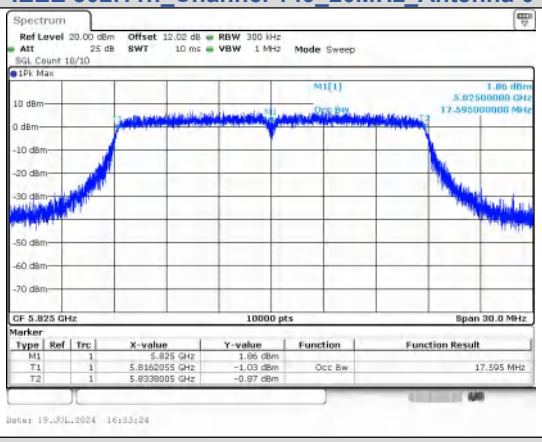

IEEE 802.11a_Channel 165_20MHz_Antenna 0



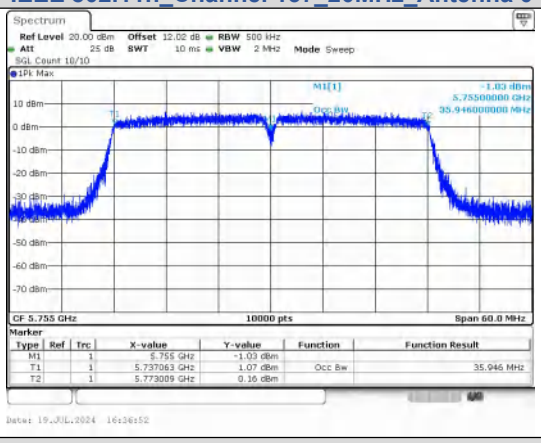

IEEE 802.11n_Channel 149_20MHz_Antenna 0



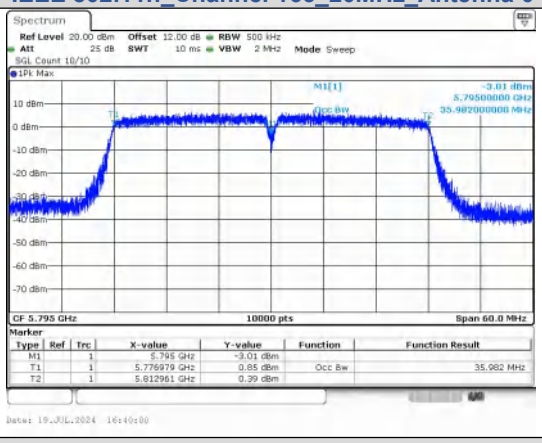

IEEE 802.11n_Channel 157_20MHz_Antenna 0



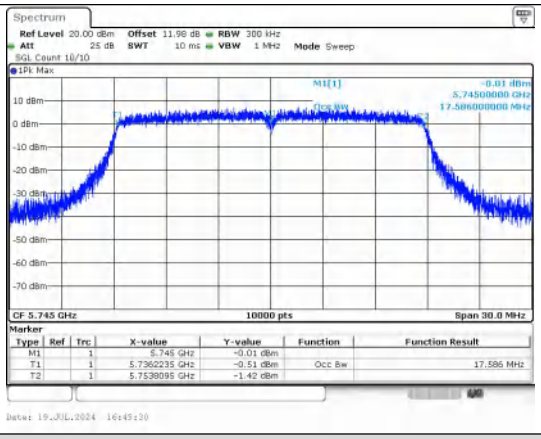

IEEE 802.11n_Channel 165_20MHz_Antenna 0



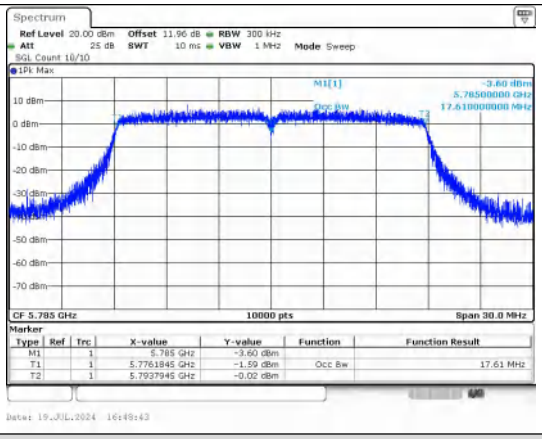

IEEE 802.11n_Channel 151_40MHz_Antenna 0



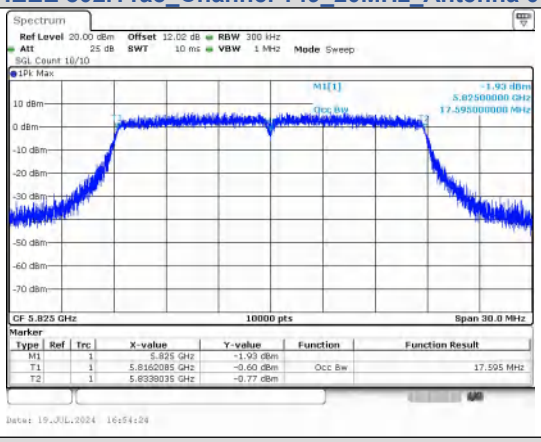

IEEE 802.11n_Channel 159_40MHz_Antenna 0



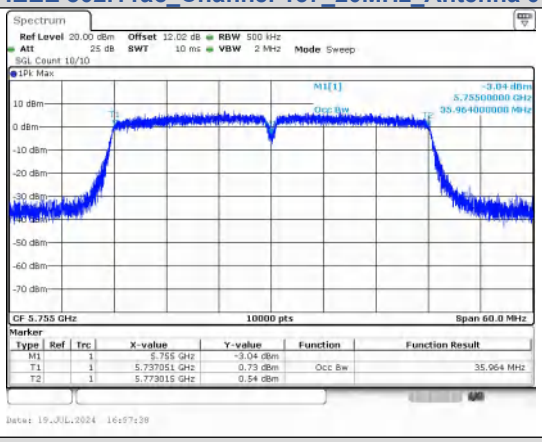

IEEE 802.11ac_Channel 149_20MHz_Antenna 0



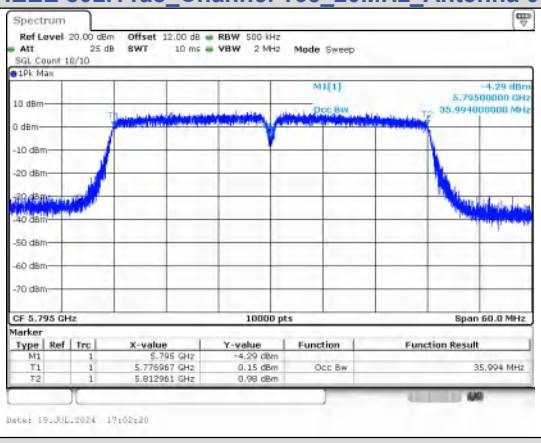

IEEE 802.11ac_Channel 157_20MHz_Antenna 0



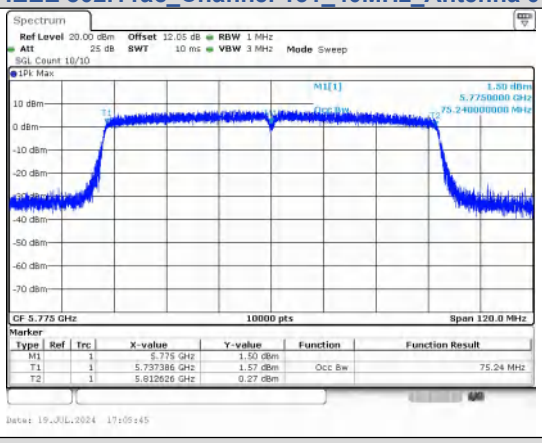

IEEE 802.11ac_Channel 165_20MHz_Antenna 0



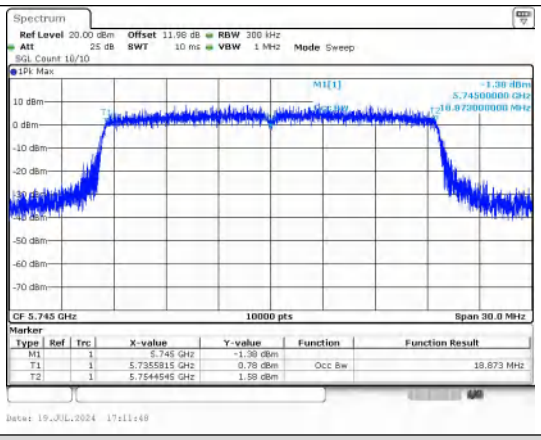

IEEE 802.11ac_Channel 151_40MHz_Antenna 0



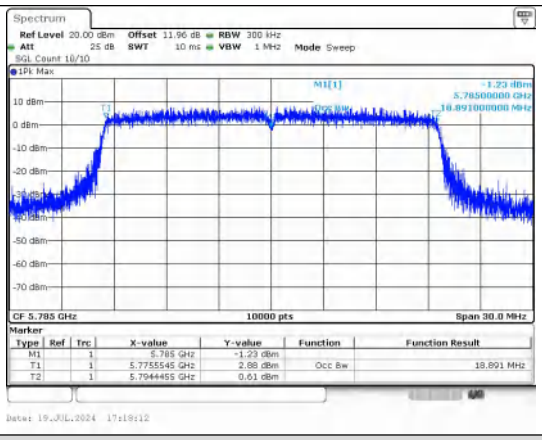

IEEE 802.11ac_Channel 159_40MHz_Antenna 0



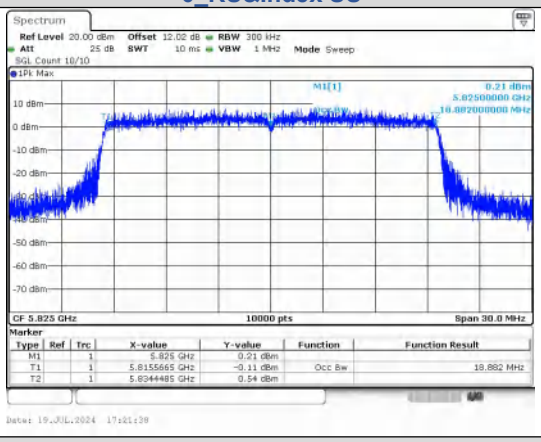

IEEE 802.11ac_Channel 155_80MHz_Antenna 0



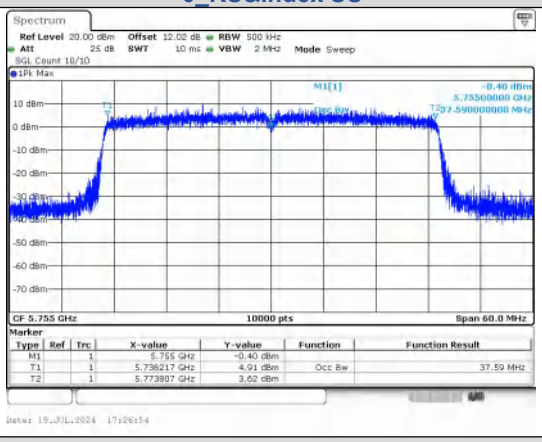

IEEE 802.11ax_Channel 149_20MHz_Antenna 0_RU&Index SU



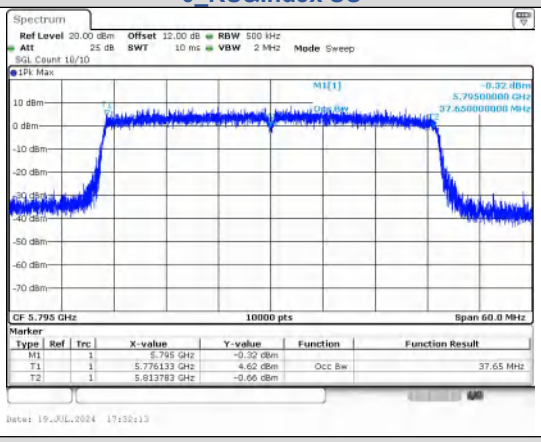

IEEE 802.11ax_Channel 157_20MHz_Antenna 0_RU&Index SU



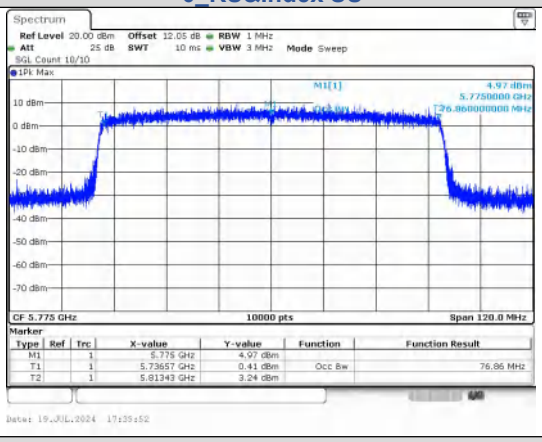

IEEE 802.11ax_Channel 165_20MHz_Antenna 0_RU&Index SU




IEEE 802.11ax_Channel 151_40MHz_Antenna 0_RU&Index SU




IEEE 802.11ax_Channel 159_40MHz_Antenna 0_RU&Index SU



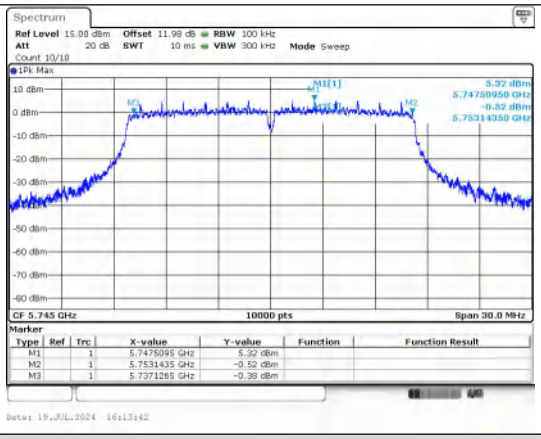

IEEE 802.11ax_Channel 155_80MHz_Antenna 0_RU&Index SU

## 6dB Bandwidth

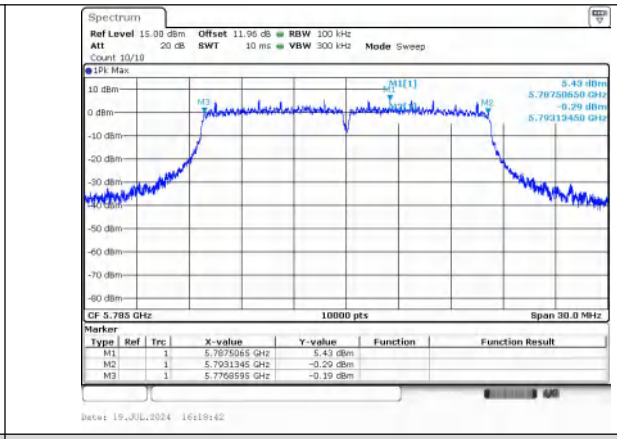
### Test Result

| Mode | Channel | RU & Index | Ant. | Center Frequency (MHz) | 6 dB Bandwidth (MHz) | Limit (MHz) | Result |
|---|---|---|---|---|---|---|---|
| IEEE 802.11a | 149 | N/A | 0 | 5745 | 16.01 | ≥0.5 | PASS |
| | 157 | | | 5785 | 16.27 | | PASS |
| | 165 | | | 5825 | 16.30 | | PASS |
| IEEE 802.11n_20 | 149 | | | 5745 | 17.16 | | PASS |
| | 157 | | | 5785 | 17.25 | | PASS |
| | 165 | | | 5825 | 17.51 | | PASS |
| IEEE 802.11n_40 | 151 | | | 5755 | 35.41 | | PASS |
| | 159 | | | 5795 | 35.65 | | PASS |
| IEEE 802.11ac_20 | 149 | | | 5745 | 16.62 | | PASS |
| | 157 | | | 5785 | 17.16 | | PASS |
| | 165 | | | 5825 | 17.28 | | PASS |
| IEEE 802.11ac_40 | 151 | | | 5755 | 34.74 | | PASS |
| | 159 | | | 5795 | 35.37 | | PASS |
| IEEE 802.11ac_80 | 155 | | | 5775 | 73.82 | | PASS |
| IEEE 802.11ax_20 | 149 | SU | | 5745 | 18.55 | | PASS |
| | 157 | | | 5785 | 18.71 | | PASS |
| | 165 | | | 5825 | 18.55 | | PASS |
| IEEE 802.11ax_40 | 151 | | | 5755 | 37.34 | | PASS |
| | 159 | | | 5795 | 37.33 | | PASS |
| IEEE 802.11ax_80 | 155 | | | 5775 | 74.91 | | PASS |

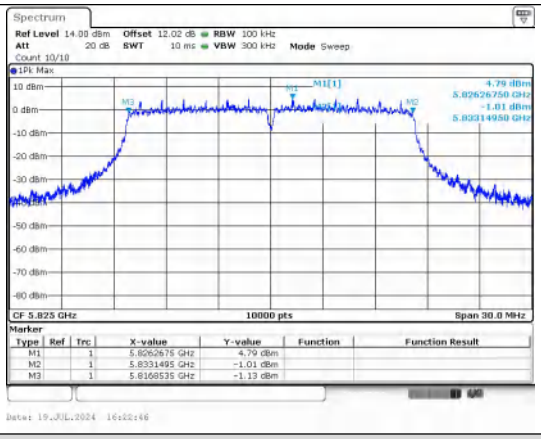
### Test Graphs



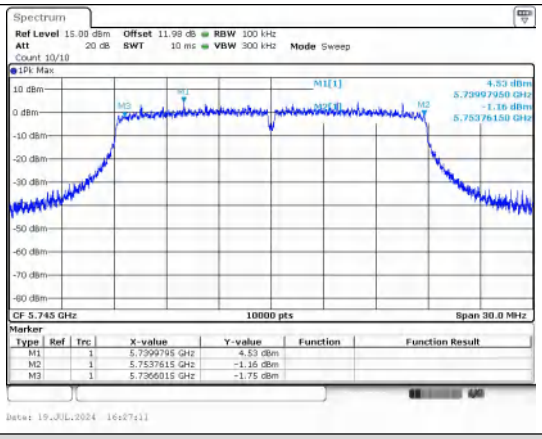

IEEE 802.11a_Channel 149_20MHz_Antenna 0



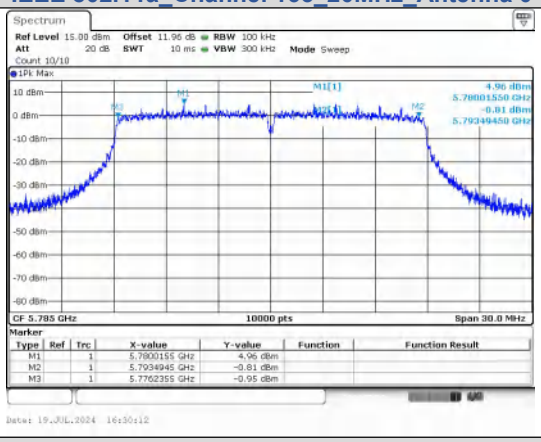

IEEE 802.11a_Channel 157_20MHz_Antenna 0



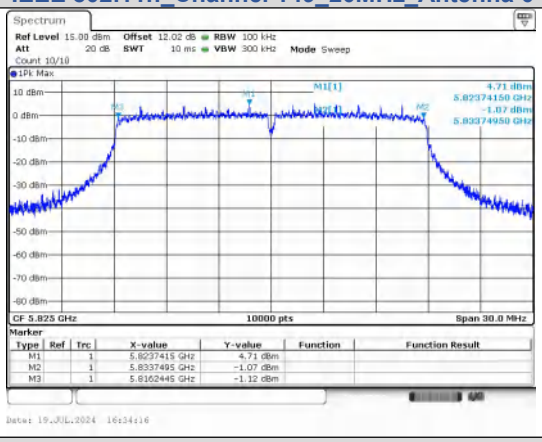

IEEE 802.11a_Channel 165_20MHz_Antenna 0



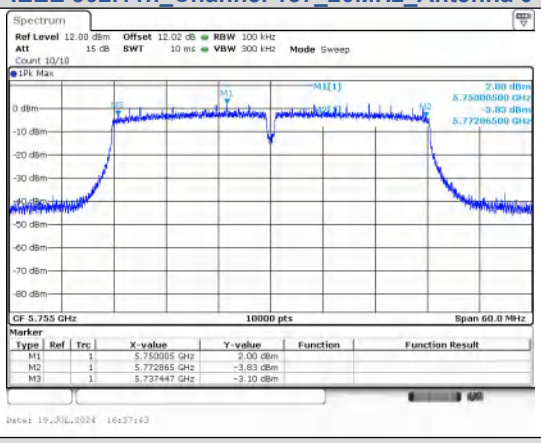

IEEE 802.11n_Channel 149_20MHz_Antenna 0



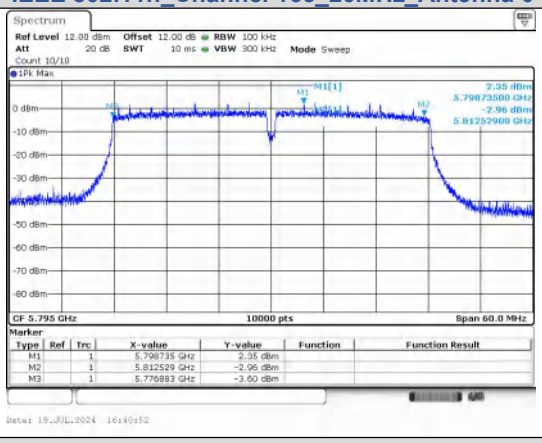

IEEE 802.11n_Channel 157_20MHz_Antenna 0



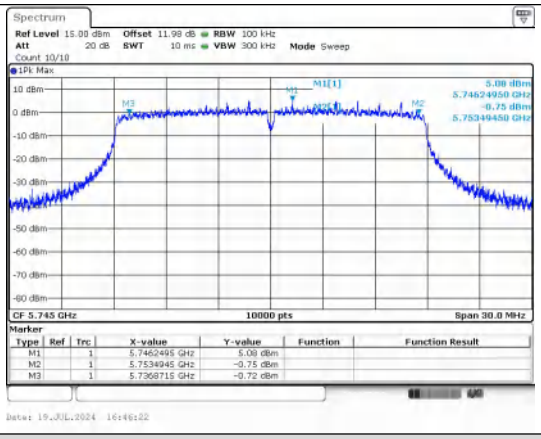

IEEE 802.11n_Channel 165_20MHz_Antenna 0



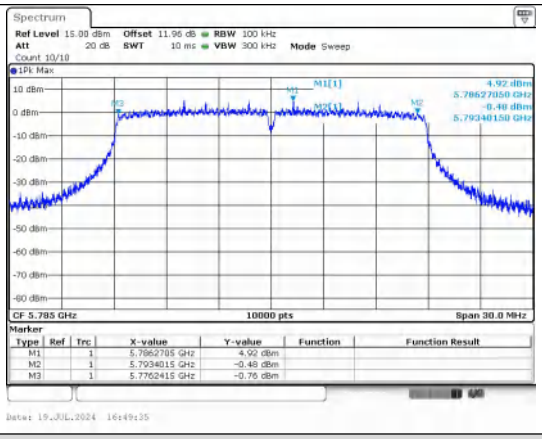

IEEE 802.11n_Channel 151_40MHz_Antenna 0



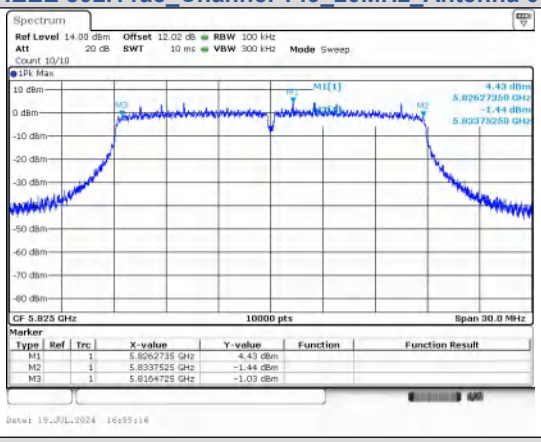

IEEE 802.11n_Channel 159_40MHz_Antenna 0



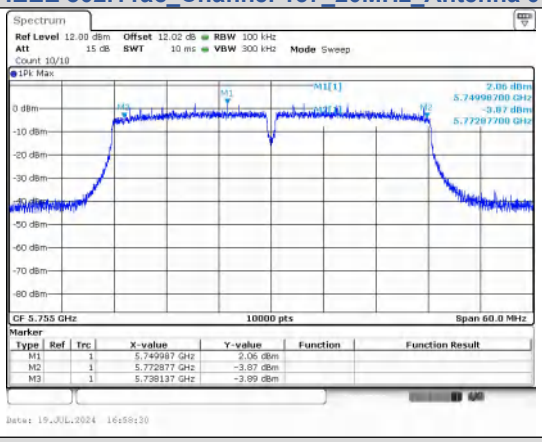

IEEE 802.11ac_Channel 149_20MHz_Antenna 0



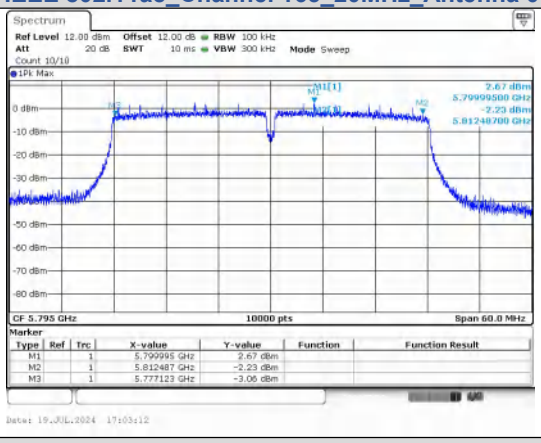

IEEE 802.11ac_Channel 157_20MHz_Antenna 0



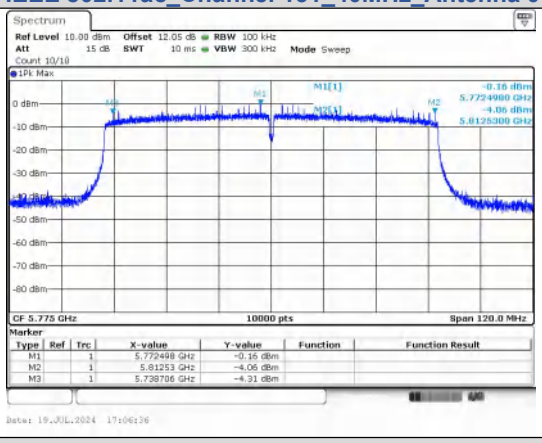

IEEE 802.11ac_Channel 165_20MHz_Antenna 0



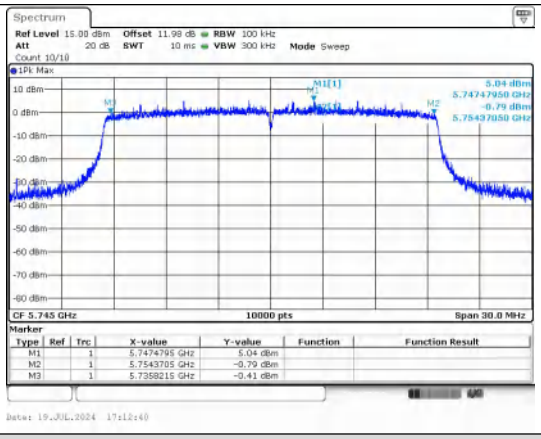

IEEE 802.11ac_Channel 151_40MHz_Antenna 0



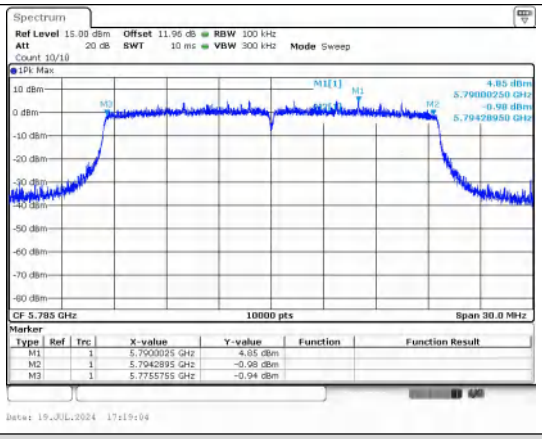

IEEE 802.11ac_Channel 159_40MHz_Antenna 0



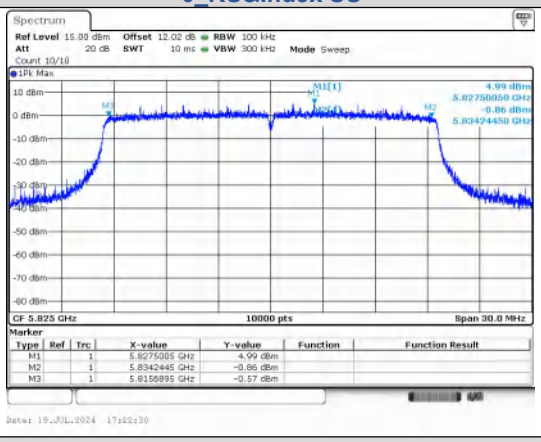

IEEE 802.11ac_Channel 155_80MHz_Antenna 0



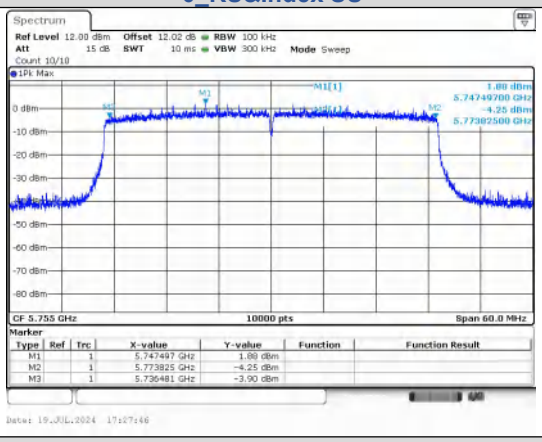

IEEE 802.11ax_Channel 149_20MHz_Antenna 0_RU&Index SU



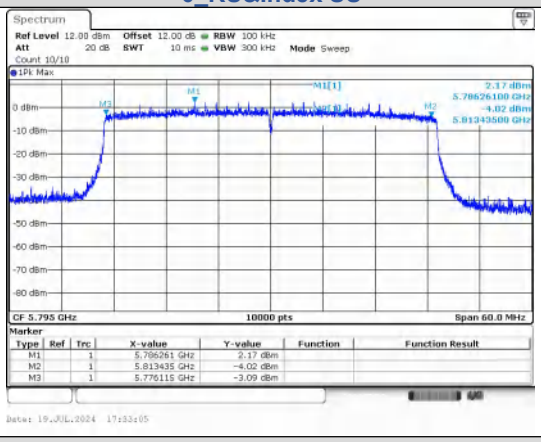

IEEE 802.11ax_Channel 157_20MHz_Antenna 0_RU&Index SU



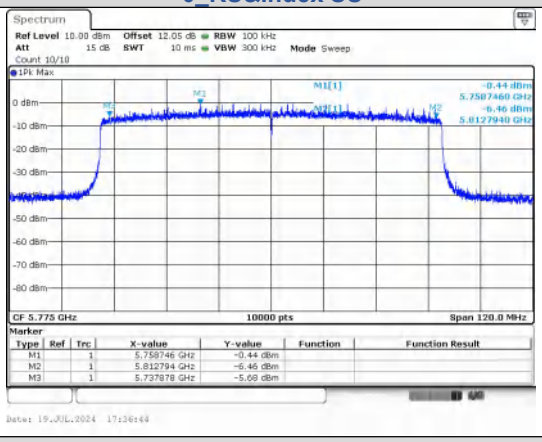

IEEE 802.11ax_Channel 165_20MHz_Antenna 0_RU&Index SU




IEEE 802.11ax_Channel 151_40MHz_Antenna 0_RU&Index SU




IEEE 802.11ax_Channel 159_40MHz_Antenna 0_RU&Index SU



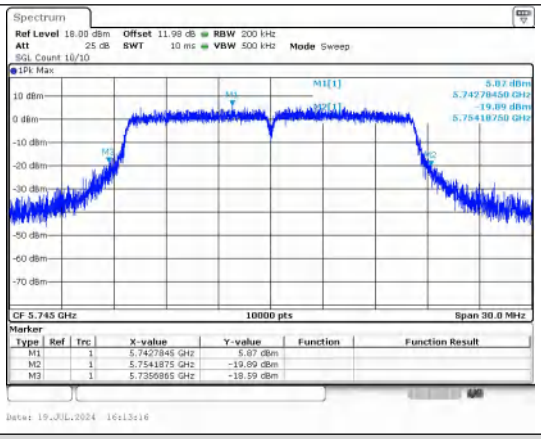

IEEE 802.11ax_Channel 155_80MHz_Antenna 0_RU&Index SU

## 26dB Bandwidth

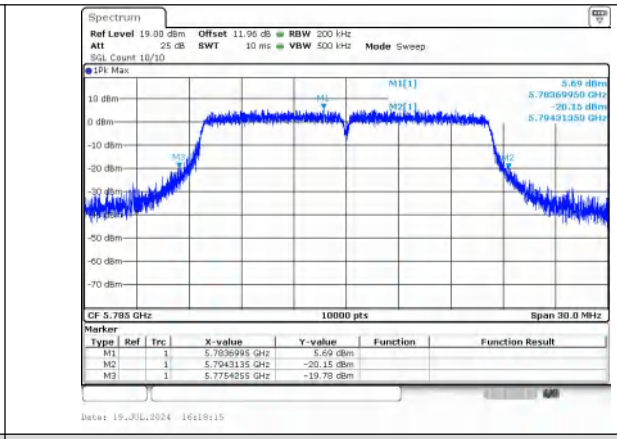
### Test Result

| Mode | Channel | RU & Index | Ant. | Center Frequency (MHz) | 26 dB Bandwidth (MHz) | RBW/EBW |
|---|---|---|---|---|---|---|
| IEEE 802.11a | 149 | N/A | 0 | 5745 | 18.50 | 1.12 |
| | 157 | | | 5785 | 18.88 | 1.12 |
| | 165 | | | 5825 | 18.82 | 1.11 |
| IEEE 802.11n_20 | 149 | | | 5745 | 19.78 | 1.11 |
| | 157 | | | 5785 | 19.95 | 1.12 |
| | 165 | | | 5825 | 19.70 | 1.13 |
| IEEE 802.11n_40 | 151 | | | 5755 | 39.65 | 1.05 |
| | 159 | | | 5795 | 39.12 | 1.06 |
| IEEE 802.11ac_20 | 149 | | | 5745 | 19.74 | 1.1 |
| | 157 | | | 5785 | 19.81 | 1.12 |
| | 165 | | | 5825 | 19.56 | 1.14 |
| IEEE 802.11ac_40 | 151 | | | 5755 | 39.14 | 1.07 |
| | 159 | | | 5795 | 39.67 | 1.04 |
| IEEE 802.11ac_80 | 155 | | | 5775 | 80.54 | 1.04 |
| IEEE 802.11ax_20 | 149 | SU | | 5745 | 20.49 | 1.12 |
| | 157 | | | 5785 | 20.47 | 1.12 |
| | 165 | | | 5825 | 20.55 | 1.1 |
| IEEE 802.11ax_40 | 151 | | | 5755 | 40.09 | 1.06 |
| | 159 | | | 5795 | 39.89 | 1.05 |
| IEEE 802.11ax_80 | 155 | | | 5775 | 81.82 | 1.02 |

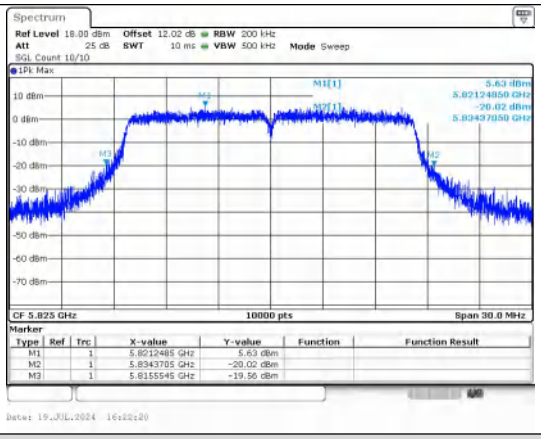
### Test Graphs



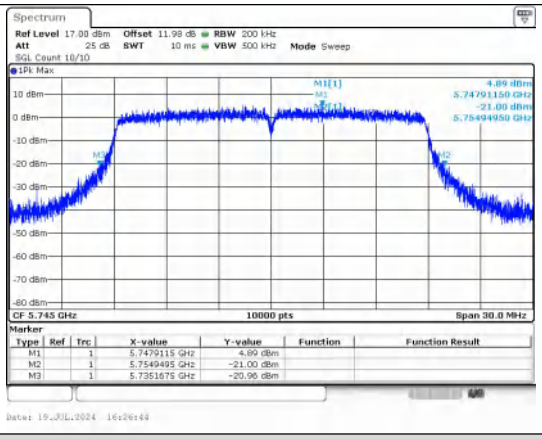

IEEE 802.11a_Channel 149_20MHz_Antenna 0



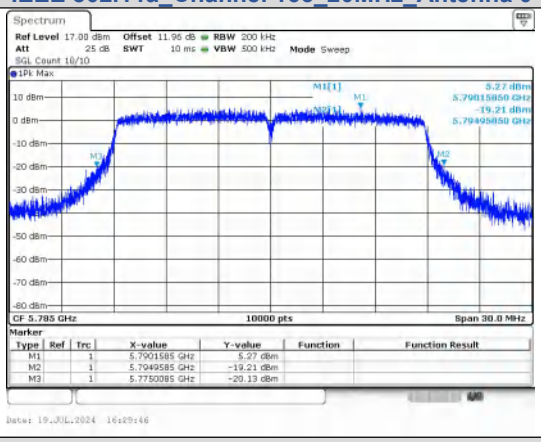

IEEE 802.11a_Channel 157_20MHz_Antenna 0



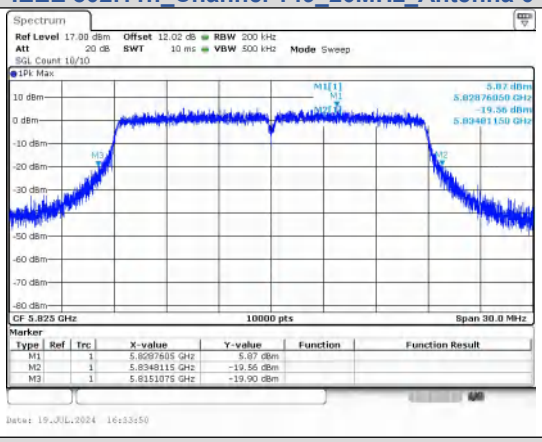

IEEE 802.11a_Channel 165_20MHz_Antenna 0



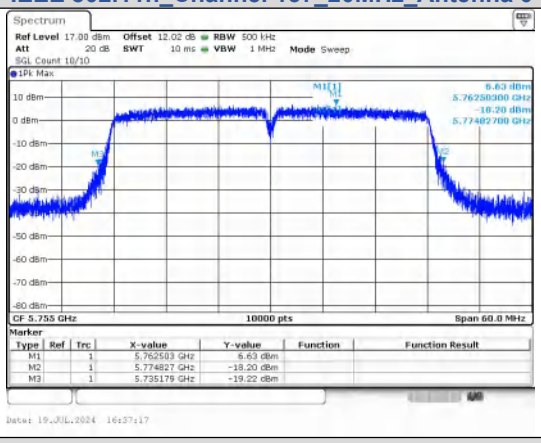

IEEE 802.11n_Channel 149_20MHz_Antenna 0



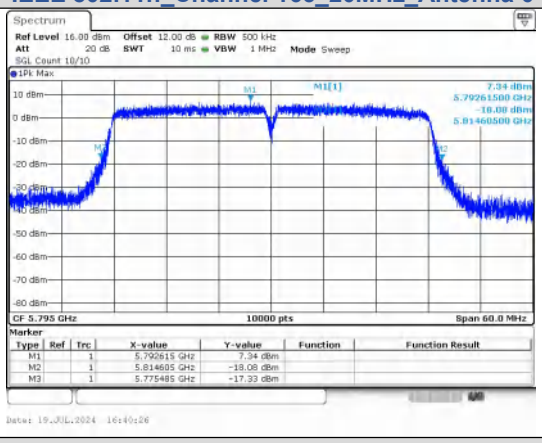

IEEE 802.11n_Channel 157_20MHz_Antenna 0



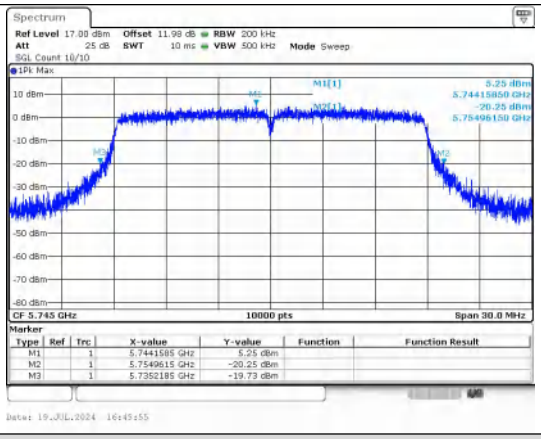

IEEE 802.11n_Channel 165_20MHz_Antenna 0



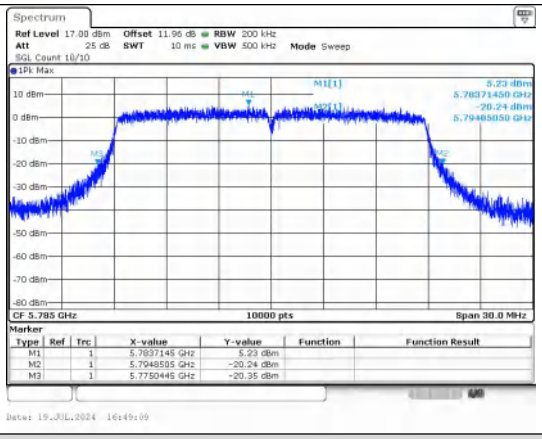

IEEE 802.11n_Channel 151_40MHz_Antenna 0



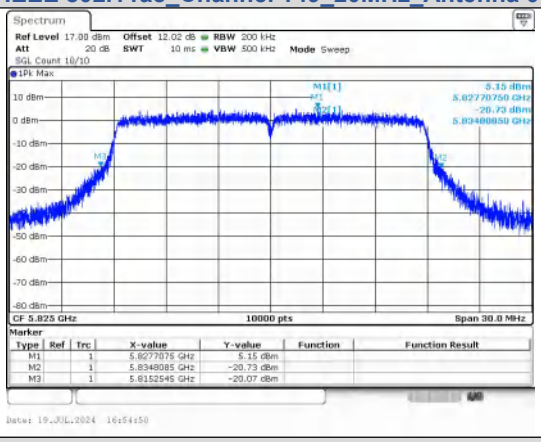

IEEE 802.11n_Channel 159_40MHz_Antenna 0



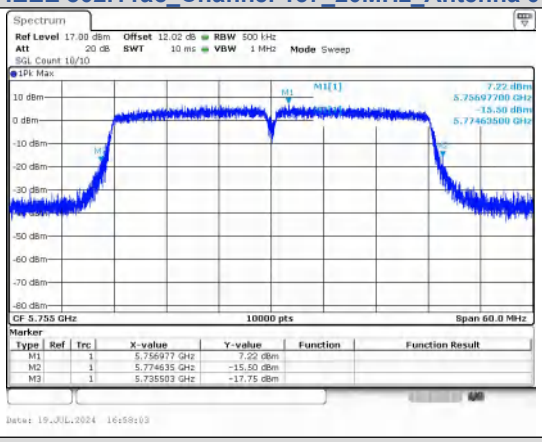

IEEE 802.11ac_Channel 149_20MHz_Antenna 0



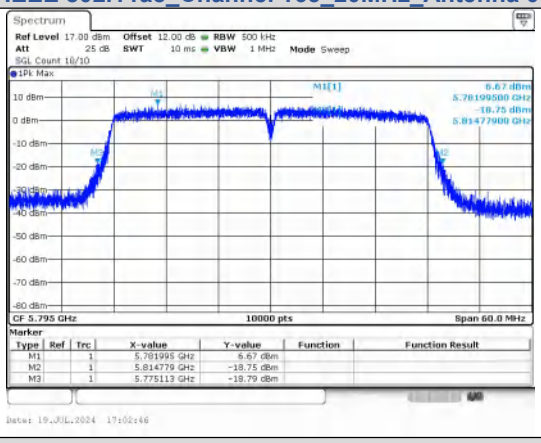

IEEE 802.11ac_Channel 157_20MHz_Antenna 0



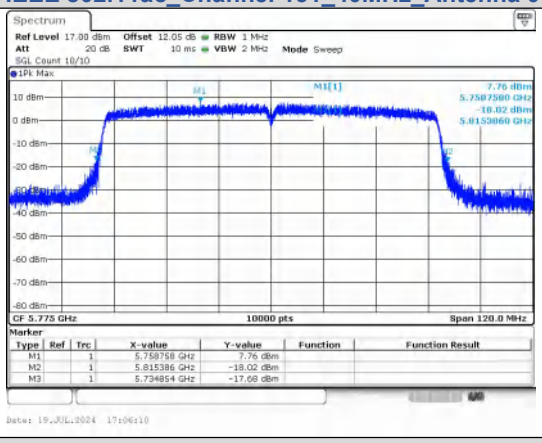

IEEE 802.11ac_Channel 165_20MHz_Antenna 0



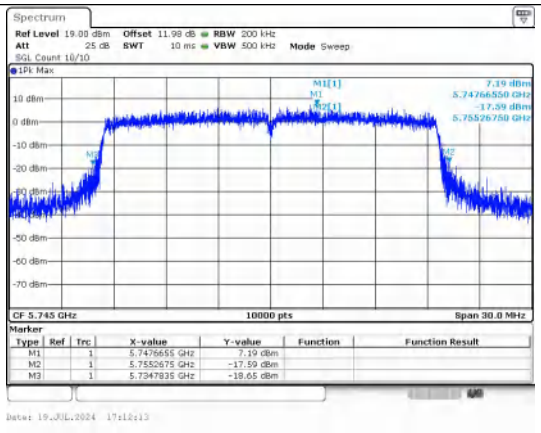

IEEE 802.11ac_Channel 151_40MHz_Antenna 0



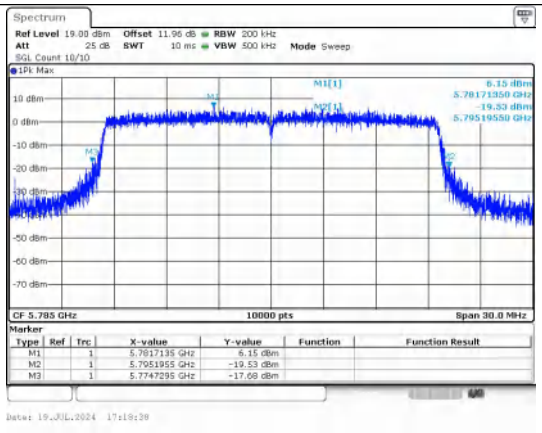

IEEE 802.11ac_Channel 159_40MHz_Antenna 0



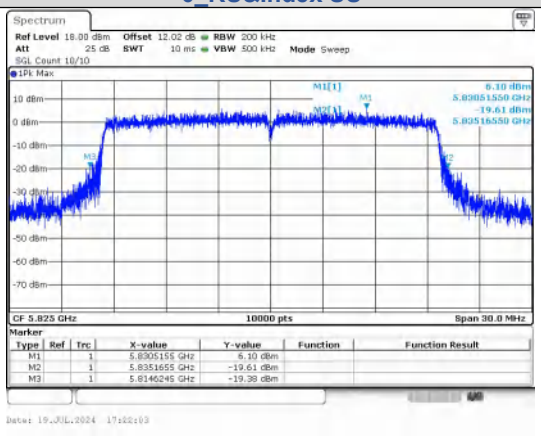

IEEE 802.11ac_Channel 155_80MHz_Antenna 0



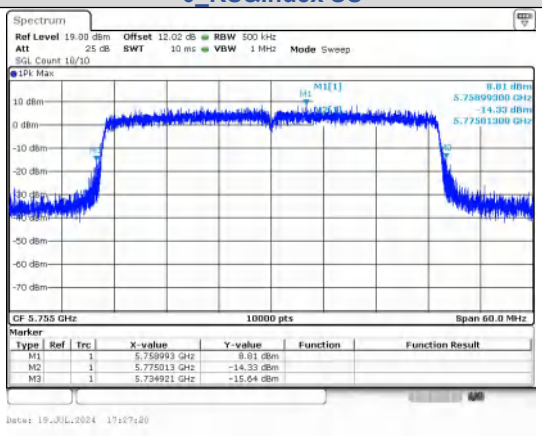

IEEE 802.11ax_Channel 149_20MHz_Antenna 0_RU&Index SU



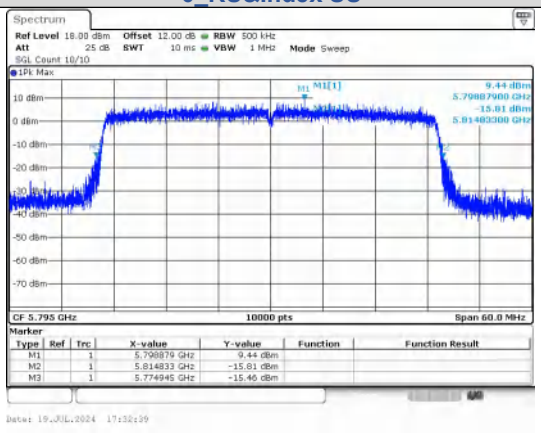

IEEE 802.11ax_Channel 157_20MHz_Antenna 0_RU&Index SU



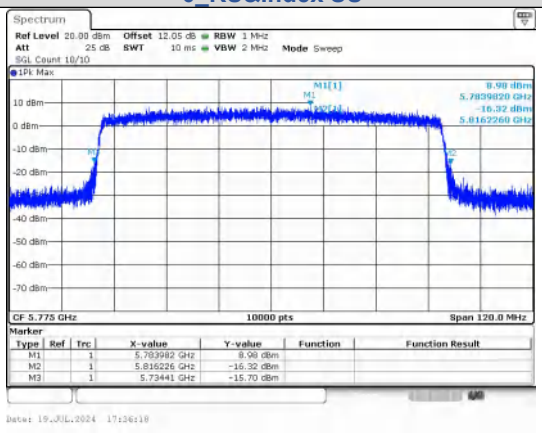

IEEE 802.11ax_Channel 165_20MHz_Antenna 0_RU&Index SU




IEEE 802.11ax_Channel 151_40MHz_Antenna 0_RU&Index SU




IEEE 802.11ax_Channel 159_40MHz_Antenna 0_RU&Index SU




IEEE 802.11ax_Channel 155_80MHz_Antenna 0_RU&Index SU

## Conducted Out Of Band Emission

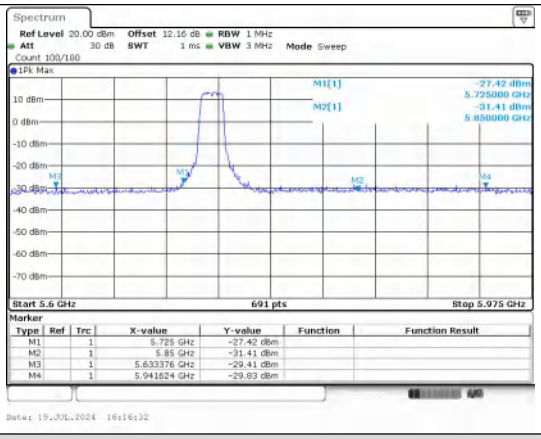
**Test Result**

| Mode | Channel | RU & Index | Ant. | OOB Emission Frequency (MHz) | OOB Emission Level (dBm) | Limit (dBm) | Over Limit (dB) | Result |
|---|---|---|---|---|---|---|---|---|
| IEEE 802.11a | 149 | N/A | 0 | 1540.75 | -34.903 | -27 | -7.900 | PASS |
| | | | | 5633.38 | -29.415 | -27 | -2.415 | PASS |
| | | | | 5725.00 | -27.424 | 27 | -54.420 | PASS |
| | | | | 5850.00 | -31.415 | 27 | -58.410 | PASS |
| | | | | 5941.62 | -29.834 | -27 | -2.834 | PASS |
| | | | | 16584.4 | -43.538 | -27 | -16.540 | PASS |
| | 157 | | | 1581.40 | -32.176 | -27 | -5.180 | PASS |
| | | | | 5642.60 | -29.475 | -27 | -2.475 | PASS |
| | | | | 5725.00 | -30.827 | 27 | -57.830 | PASS |
| | | | | 5850.00 | -31.941 | 27 | -58.940 | PASS |
| | | | | 5928.06 | -29.046 | -27 | -2.046 | PASS |
| | | | | 17638.0 | -43.014 | -27 | -16.010 | PASS |
| | 165 | | | 1621.49 | -33.114 | -27 | -6.110 | PASS |
| | | | | 5650.20 | -29.985 | -26.85274962 | -3.132 | PASS |
| | | | | 5725.00 | -30.360 | 27 | -57.360 | PASS |
| | | | | 5850.00 | -29.776 | 27 | -56.780 | PASS |
| | | | | 5940.00 | -29.878 | -27 | -2.878 | PASS |
| | | | | 15941.6 | -42.907 | -27 | -15.910 | PASS |
| IEEE 802.11n_20 | 149 | | | 1540.00 | -34.239 | -27 | -7.240 | PASS |
| | | | | 5644.23 | -30.226 | -27 | -3.226 | PASS |
| | | | | 5725.00 | -29.378 | 27 | -56.380 | PASS |
| | | | | 5850.00 | -31.156 | 27 | -58.160 | PASS |
| | | | | 5941.08 | -29.121 | -27 | -2.121 | PASS |
| | | | | 22057.0 | -42.662 | -27 | -15.660 | PASS |
| | 157 | | | 1578.78 | -34.529 | -27 | -7.530 | PASS |
| | | | | 5624.15 | -29.418 | -27 | -2.418 | PASS |
| | | | | 5725.00 | -31.398 | 27 | -58.400 | PASS |
| | | | | 5850.00 | -31.312 | 27 | -58.310 | PASS |
| | | | | 5926.43 | -28.591 | -27 | -1.591 | PASS |
| | | | | 22090.7 | -43.383 | -27 | -16.380 | PASS |
| | 165 | | | 1621.12 | -34.935 | -27 | -7.930 | PASS |
| | | | | 5614.92 | -30.282 | -27 | -3.282 | PASS |
| | | | | 5725.00 | -31.184 | 27 | -58.180 | PASS |
| | | | | 5850.00 | -30.684 | 27 | -57.680 | PASS |
| | | | | 5954.65 | -29.998 | -27 | -2.998 | PASS |
| | | | | 18295.5 | -43.117 | -27 | -16.120 | PASS |
| IEEE 802.11n_40 | 151 | | | 1550.87 | -38.701 | -27 | -11.700 | PASS |
| | | | | 5644.23 | -29.483 | -27 | -2.483 | PASS |
| | | | | 5725.00 | -28.729 | 27 | -55.730 | PASS |
| | | | | 5850.00 | -30.572 | 27 | -57.570 | PASS |
| | | | | 5969.30 | -29.590 | -27 | -2.590 | PASS |
| | | | | 16230.9 | -43.485 | -27 | -16.480 | PASS |
| | 159 | | | 1591.14 | -37.162 | -27 | -10.160 | PASS |
| | | | | 5601.90 | -30.519 | -27 | -3.519 | PASS |
| | | | | 5725.00 | -31.997 | 27 | -59.000 | PASS |
| | | | | 5850.00 | -31.129 | 27 | -58.130 | PASS |
| | | | | 5935.11 | -29.593 | -27 | -2.593 | PASS |
| | | | | 22033.5 | -42.605 | -27 | -15.600 | PASS |
| IEEE 802.11ac_20 | 149 | | | 1542.44 | -34.783 | -27 | -7.780 | PASS |
| | | | | 5647.49 | -30.593 | -27 | -3.593 | PASS |
| | | | | 5725.00 | -27.857 | 27 | -54.860 | PASS |

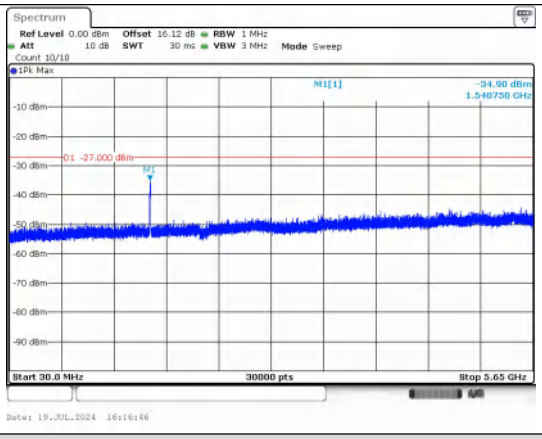
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | 5850.00 | -31.804 | 27 | -58.800 | PASS |
| | | | | 5974.19 | -29.756 | -27 | -2.756 | PASS |
| | | | | 17913.3 | -43.144 | -27 | -16.140 | PASS |
| | 157 | | | 1580.09 | -34.117 | -27 | -7.120 | PASS |
| | | | | 5600.27 | -29.803 | -27 | -2.803 | PASS |
| | | | | 5725.00 | -31.719 | 27 | -58.720 | PASS |
| | | | | 5850.00 | -30.738 | 27 | -57.740 | PASS |
| | | | | 5949.76 | -29.688 | -27 | -2.688 | PASS |
| | | | | 23399.3 | -43.288 | -27 | -16.290 | PASS |
| | 165 | | | 1620.37 | -35.939 | -27 | -8.940 | PASS |
| | | | | 5617.64 | -30.168 | -27 | -3.168 | PASS |
| | | | | 5725.00 | -31.045 | 27 | -58.040 | PASS |
| | | | | 5850.00 | -32.018 | 27 | -59.020 | PASS |
| | | | | 5941.08 | -28.444 | -27 | -1.444 | PASS |
| | | | | 24702.8 | -43.209 | -27 | -16.210 | PASS |
| IEEE 802.11ac_40 | 151 | | | 1543.37 | -37.842 | -27 | -10.840 | PASS |
| | | | | 5645.31 | -30.001 | -27 | -3.001 | PASS |
| | | | | 5725.00 | -27.838 | 27 | -54.840 | PASS |
| | | | | 5850.00 | -31.269 | 27 | -58.270 | PASS |
| | | | | 5953.02 | -29.174 | -27 | -2.174 | PASS |
| | | | | 18283.4 | -43.224 | -27 | -16.220 | PASS |
| | 159 | | | 1590.96 | -38.475 | -27 | -11.470 | PASS |
| | | | | 5648.57 | -29.809 | -27 | -2.809 | PASS |
| | | | | 5725.00 | -32.109 | 27 | -59.110 | PASS |
| | | | | 5850.00 | -31.235 | 27 | -58.230 | PASS |
| | | | | 5943.80 | -29.390 | -27 | -2.389 | PASS |
| | | | | 16559.6 | -43.127 | -27 | -16.130 | PASS |
| IEEE 802.11ac_80 | 155 | | | 5607.87 | -30.204 | -27 | -3.204 | PASS |
| | | | | 5649.53 | -38.266 | -27 | -11.270 | PASS |
| | | | | 5725.00 | -27.448 | 27 | -54.450 | PASS |
| | | | | 5850.00 | -29.363 | 27 | -56.360 | PASS |
| | | | | 5942.17 | -29.453 | -27 | -2.453 | PASS |
| | | | | 22082.5 | -42.994 | -27 | -15.990 | PASS |
| IEEE 802.11ax_20 | 149 | SU | | 1542.44 | -34.660 | -27 | -7.660 | PASS |
| | | | | 5602.44 | -30.057 | -27 | -3.057 | PASS |
| | | | | 5725.00 | -25.945 | 27 | -52.950 | PASS |
| | | | | 5850.00 | -32.336 | 27 | -59.340 | PASS |
| | | | | 5967.13 | -29.570 | -27 | -2.570 | PASS |
| | | | | 16315.5 | -42.391 | -27 | -15.390 | PASS |
| | 157 | | | 1580.28 | -35.043 | -27 | -8.040 | PASS |
| | | | | 5629.03 | -30.097 | -27 | -3.097 | PASS |
| | | | | 5725.00 | -30.641 | 27 | -57.640 | PASS |
| | | | | 5850.00 | -31.945 | 27 | -58.940 | PASS |
| | | | | 5941.62 | -29.433 | -27 | -2.433 | PASS |
| | | | | 16592.7 | -43.237 | -27 | -16.240 | PASS |
| | 165 | | | 1620.18 | -35.292 | -27 | -8.290 | PASS |
| | | | | 5636.09 | -29.969 | -27 | -2.969 | PASS |
| | | | | 5725.00 | -32.225 | 27 | -59.220 | PASS |
| | | | | 5850.00 | -28.858 | 27 | -55.860 | PASS |
| | | | | 5928.06 | -29.250 | -27 | -2.250 | PASS |
| | | | | 20046.5 | -42.989 | -27 | -15.990 | PASS |
| IEEE 802.11ax_40 | 151 | | | 1555.92 | -36.852 | -27 | -9.850 | PASS |
| | | | | 5640.43 | -29.738 | -27 | -2.738 | PASS |
| | | | | 5725.00 | -26.391 | 27 | -53.390 | PASS |
| | | | | 5850.00 | -31.267 | 27 | -58.270 | PASS |
| | | | | 5927.51 | -29.441 | -27 | -2.441 | PASS |
| | | | | 18282.7 | -43.162 | -27 | -16.160 | PASS |
| | 159 | | | 1592.45 | -37.715 | -27 | -10.710 | PASS |
| | | | | 5607.33 | -29.082 | -27 | -2.082 | PASS |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | 5725.00 | -31.757 | 27 | -58.760 | PASS |
| | | | | 5850.00 | -30.786 | 27 | -57.790 | PASS |
| | | | | 5935.11 | -29.979 | -27 | -2.979 | PASS |
| | | | | 17281.9 | -43.329 | -27 | -16.330 | PASS |
| IEEE 802.11ax_80 | 155 | | | 5602.44 | -30.552 | -27 | -3.552 | PASS |
| | | | | 5645.04 | -37.450 | -27 | -10.450 | PASS |
| | | | | 5725.00 | -26.914 | 27 | -53.910 | PASS |
| | | | | 5850.00 | -27.934 | 27 | -54.930 | PASS |
| | | | | 5936.74 | -29.164 | -27 | -2.164 | PASS |
| | | | | 21559.2 | -42.318 | -27 | -15.320 | PASS |

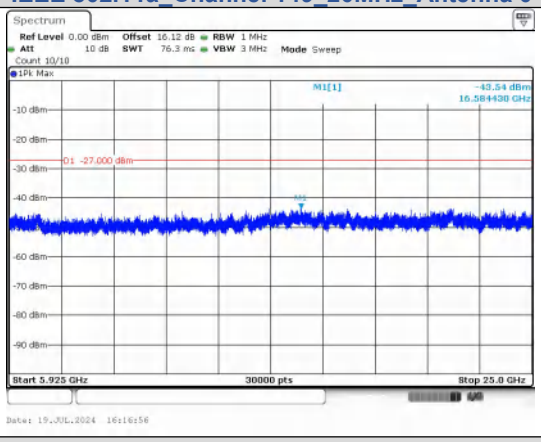
**Test Graphs**



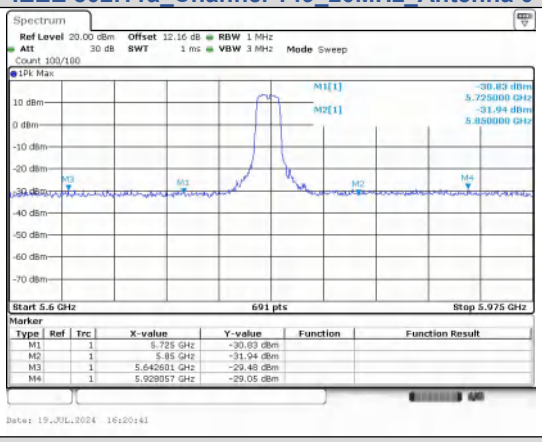

**Out Of Band Emission**
**IEEE 802.11a_Channel 149_20MHz_Antenna 0**



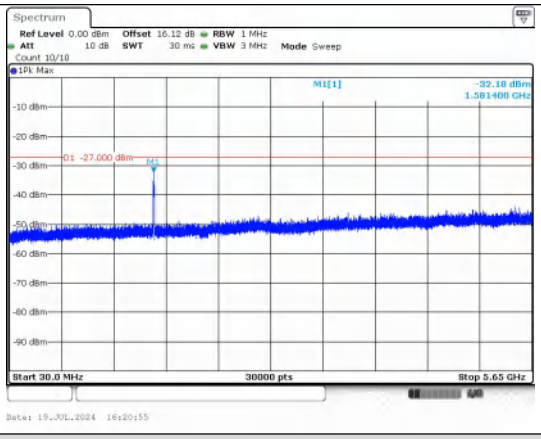

**Spurious Emission:30.0~5650 MHz**
**IEEE 802.11a_Channel 149_20MHz_Antenna 0**



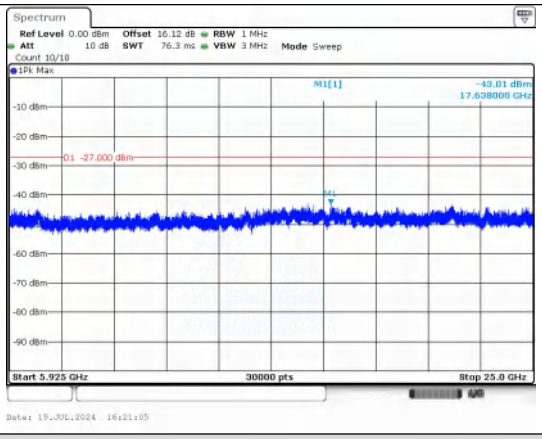

**Spurious Emission:5925~25000.0 MHz**
**IEEE 802.11a_Channel 149_20MHz_Antenna 0**



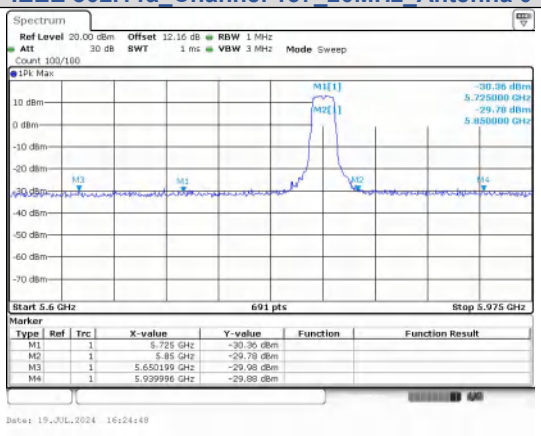

**Out Of Band Emission**
**IEEE 802.11a_Channel 157_20MHz_Antenna 0**



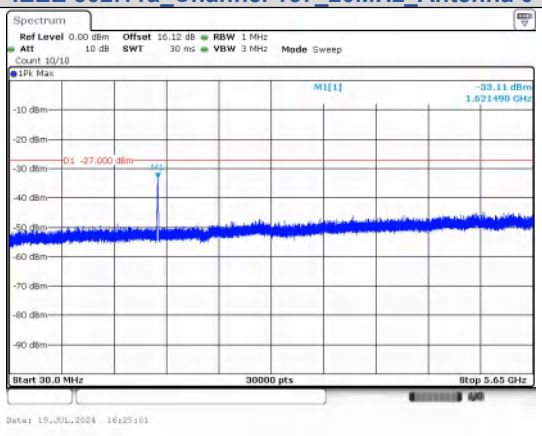

Spurious Emission:30.0~5650 MHz
IEEE 802.11a_Channel 157_20MHz_Antenna 0



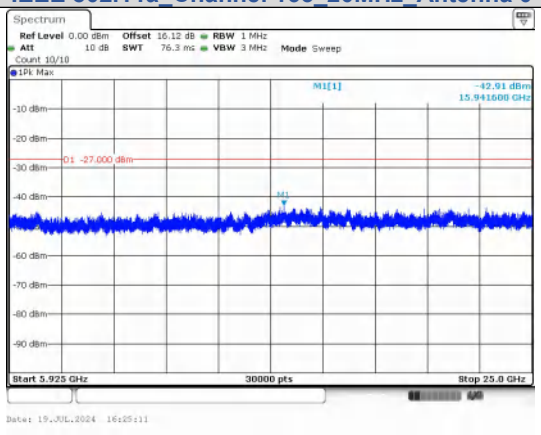

Spurious Emission:5925~25000.0 MHz
IEEE 802.11a_Channel 157_20MHz_Antenna 0



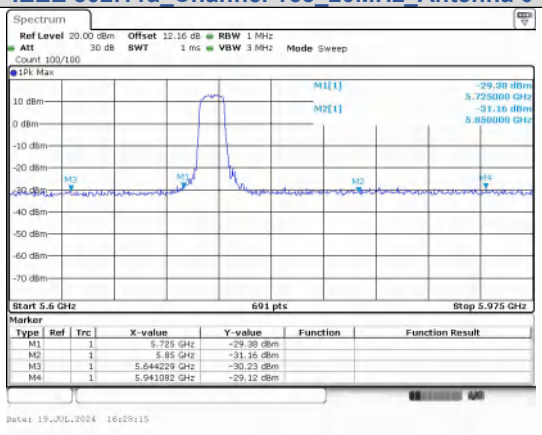

Out Of Band Emission
IEEE 802.11a_Channel 165_20MHz_Antenna 0



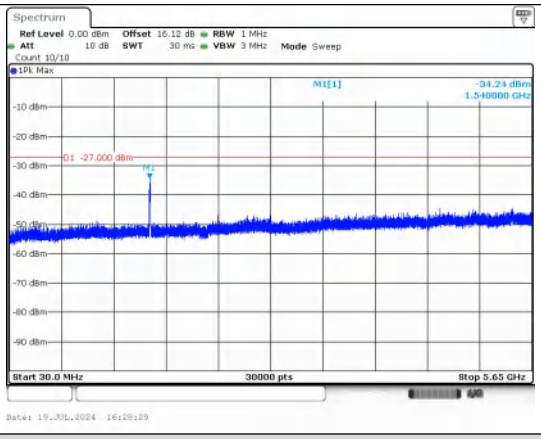

Spurious Emission:30.0~5650 MHz
IEEE 802.11a_Channel 165_20MHz_Antenna 0



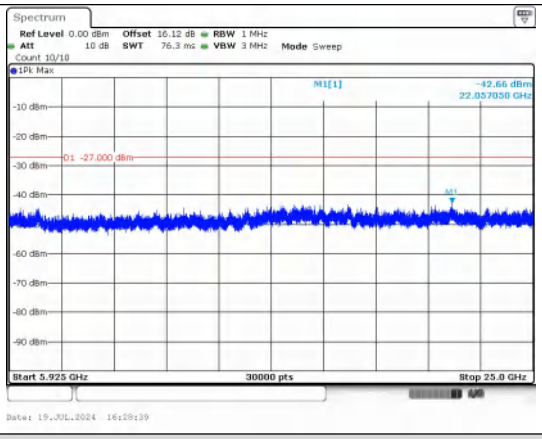

Spurious Emission:5925~25000.0 MHz
IEEE 802.11a_Channel 165_20MHz_Antenna 0



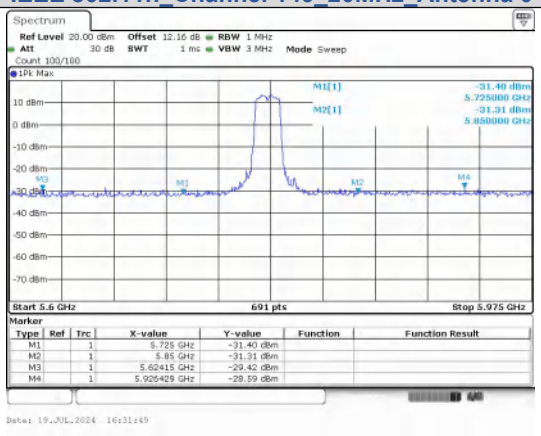

Out Of Band Emission
IEEE 802.11n_Channel 149_20MHz_Antenna 0



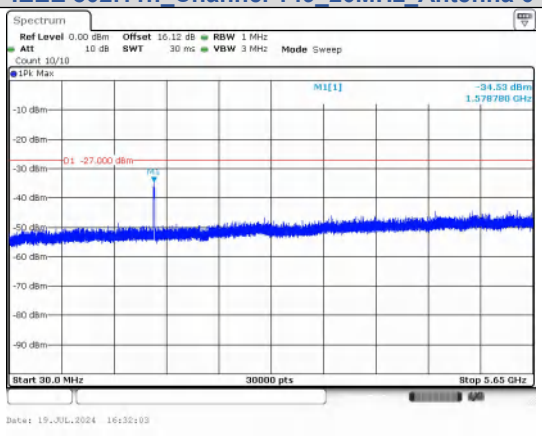

Spurious Emission:30.0~5650 MHz
IEEE 802.11n_Channel 149_20MHz_Antenna 0



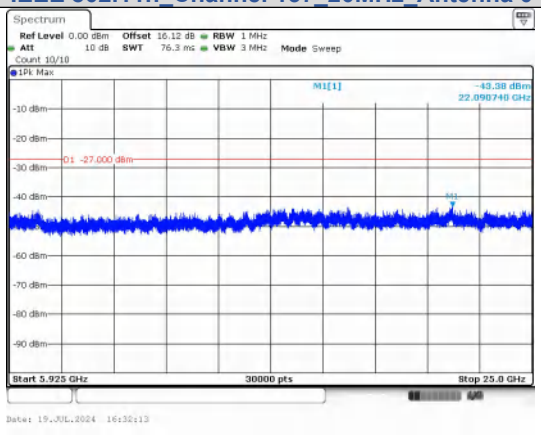

Spurious Emission:5925~25000.0 MHz
IEEE 802.11n_Channel 149_20MHz_Antenna 0



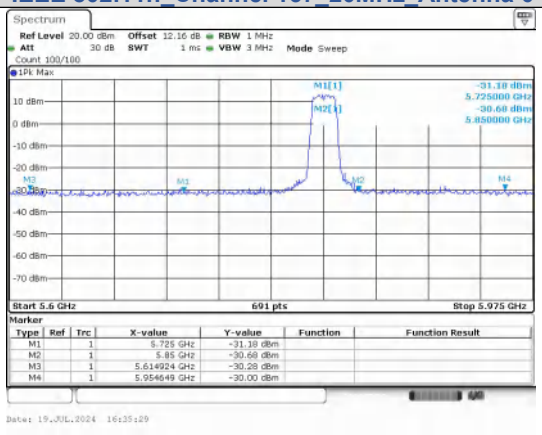

Out Of Band Emission
IEEE 802.11n_Channel 157_20MHz_Antenna 0



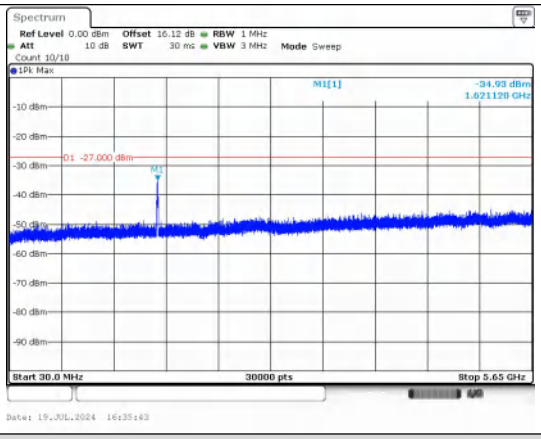

Spurious Emission:30.0~5650 MHz
IEEE 802.11n_Channel 157_20MHz_Antenna 0



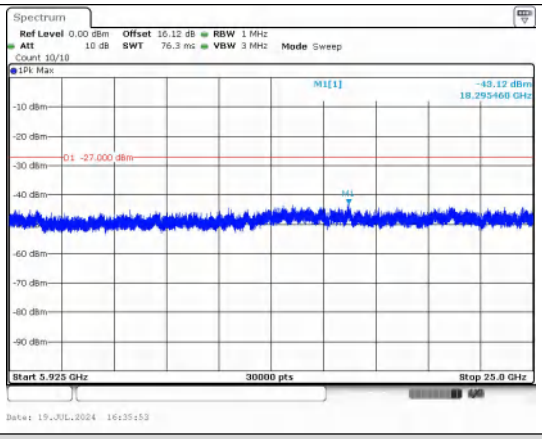

Spurious Emission:5925~25000.0 MHz
IEEE 802.11n_Channel 157_20MHz_Antenna 0



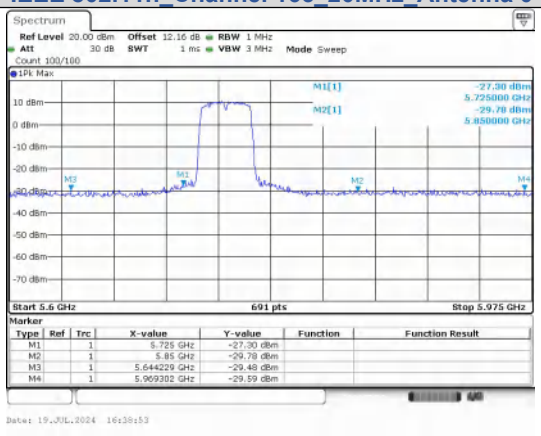

Out Of Band Emission
IEEE 802.11n_Channel 165_20MHz_Antenna 0



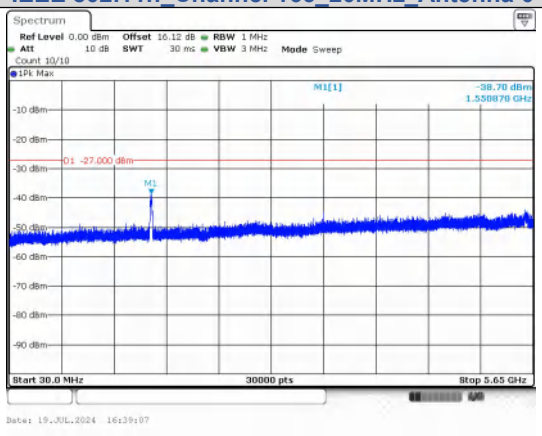

Spurious Emission:30.0~5650 MHz
IEEE 802.11n_Channel 165_20MHz_Antenna 0



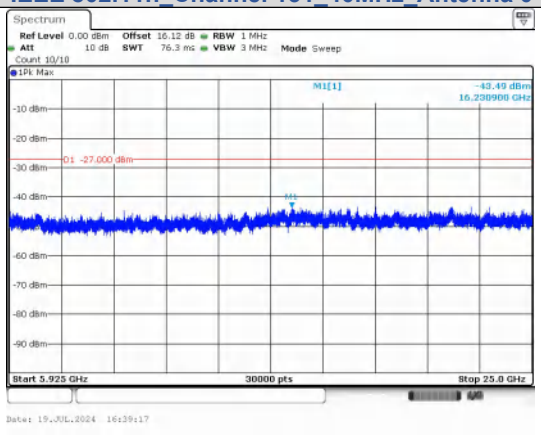

Spurious Emission:5925~25000.0 MHz
IEEE 802.11n_Channel 165_20MHz_Antenna 0



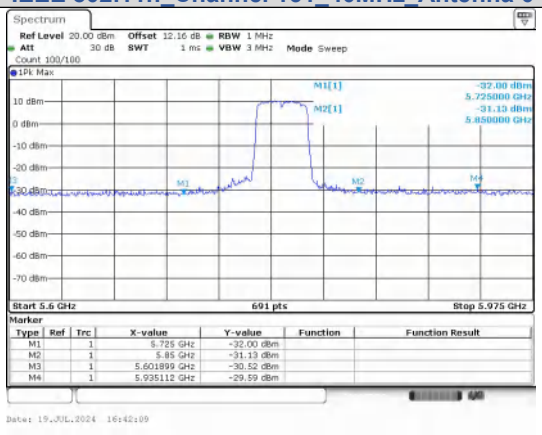

Out Of Band Emission
IEEE 802.11n_Channel 151_40MHz_Antenna 0



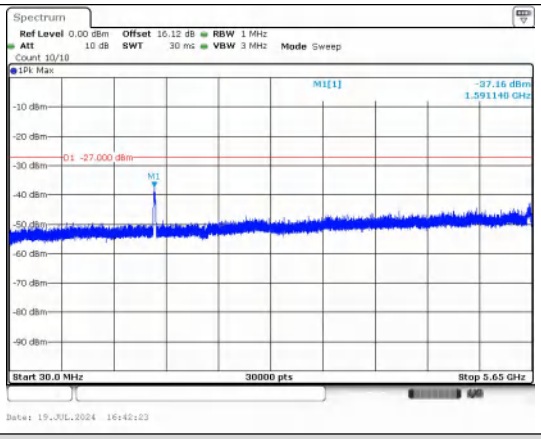

Spurious Emission:30.0~5650 MHz
IEEE 802.11n_Channel 151_40MHz_Antenna 0



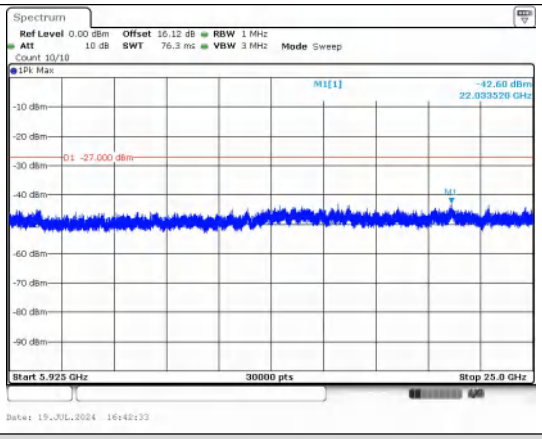

Spurious Emission:5925~25000.0 MHz
IEEE 802.11n_Channel 151_40MHz_Antenna 0



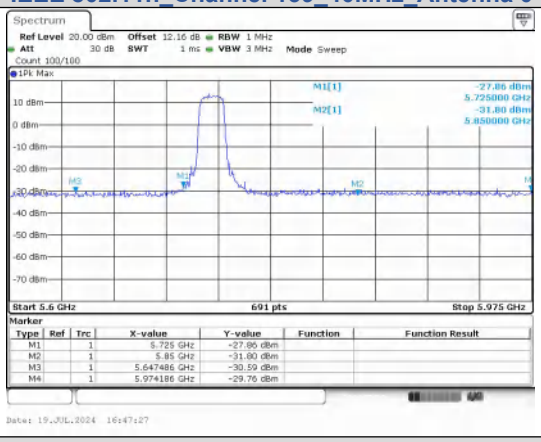

Out Of Band Emission
IEEE 802.11n_Channel 159_40MHz_Antenna 0



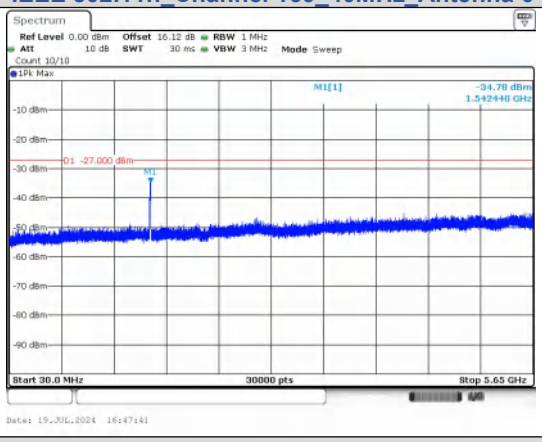

Spurious Emission:30.0~5650 MHz
IEEE 802.11n_Channel 159_40MHz_Antenna 0



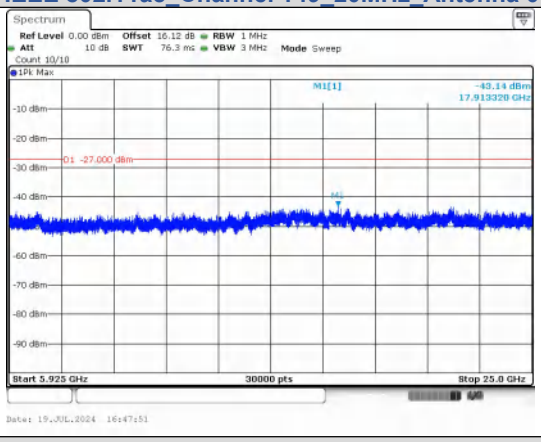

Spurious Emission:5925~25000.0 MHz
IEEE 802.11n_Channel 159_40MHz_Antenna 0



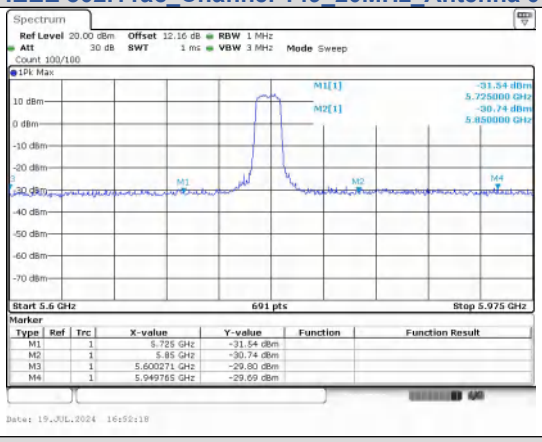

Out Of Band Emission
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



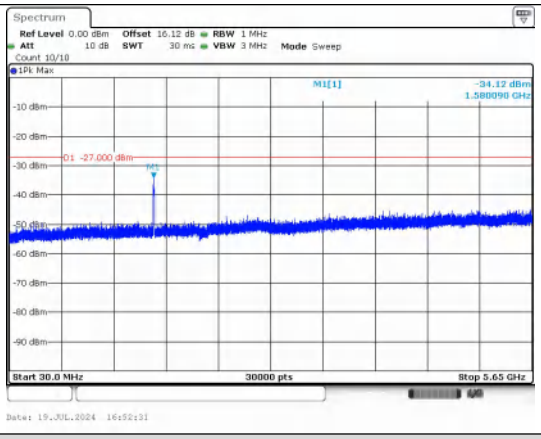

Spurious Emission:30.0~5650 MHz
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



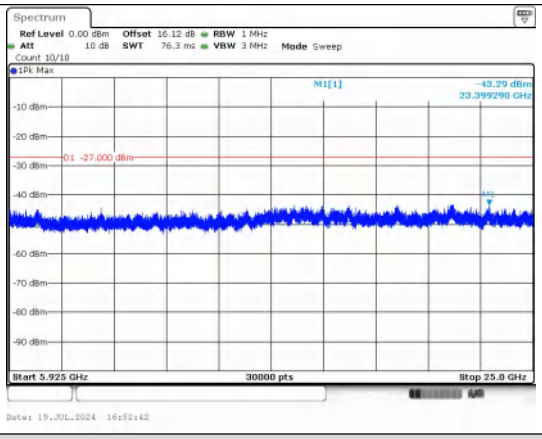

Spurious Emission:5925~25000.0 MHz
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



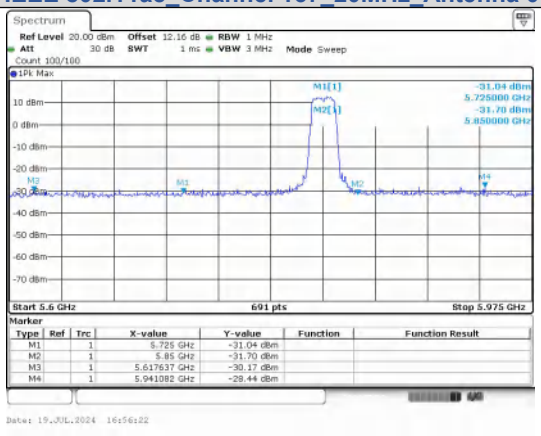

Out Of Band Emission
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



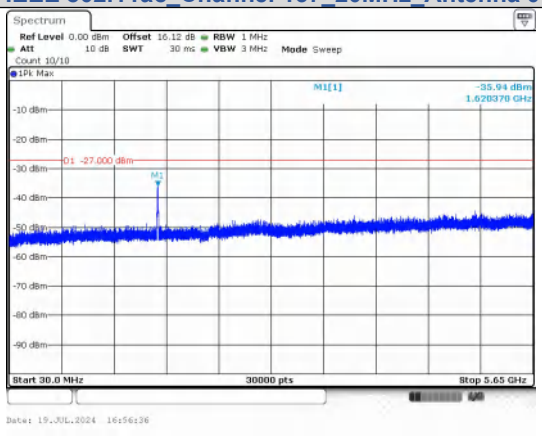

Spurious Emission:30.0~5650 MHz
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



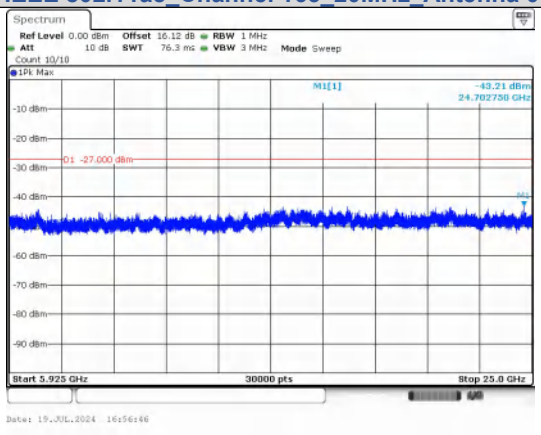

Spurious Emission:5925~25000.0 MHz
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



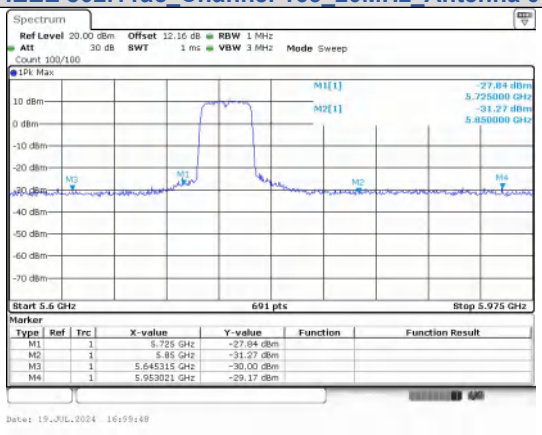

Out Of Band Emission
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



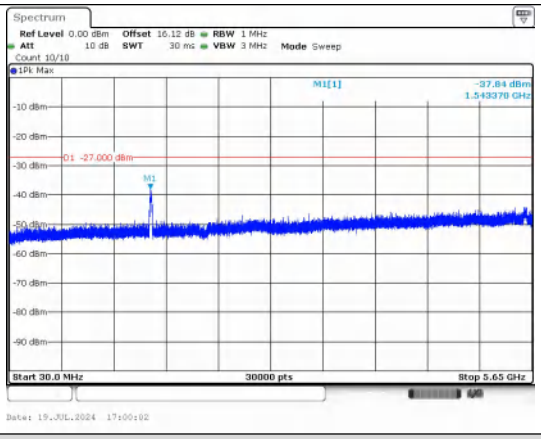

Spurious Emission:30.0~5650 MHz
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



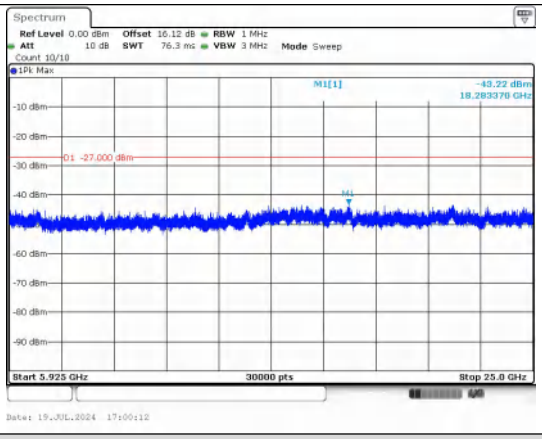

Spurious Emission:5925~25000.0 MHz
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



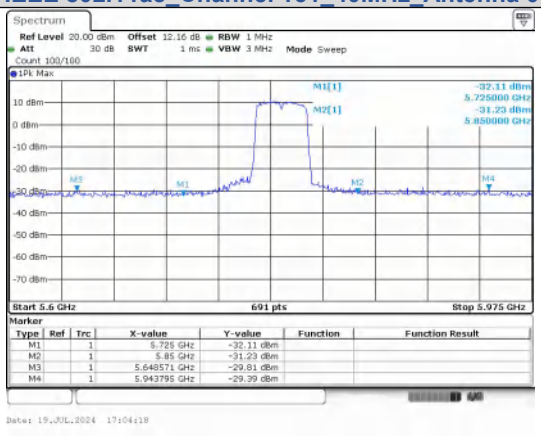

Out Of Band Emission
IEEE 802.11ac_Channel 151_40MHz_Antenna 0



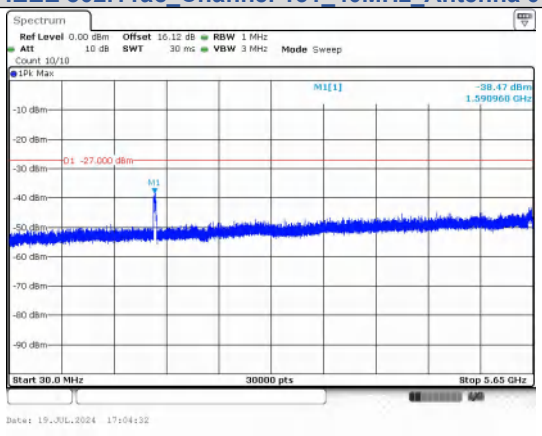

Spurious Emission:30.0~5650 MHz
IEEE 802.11ac_Channel 151_40MHz_Antenna 0



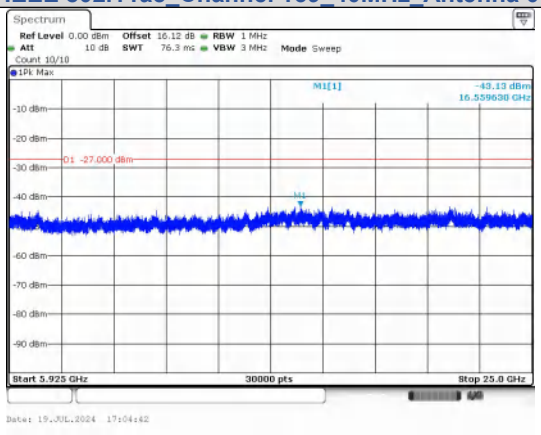

Spurious Emission:5925~25000.0 MHz
IEEE 802.11ac_Channel 151_40MHz_Antenna 0



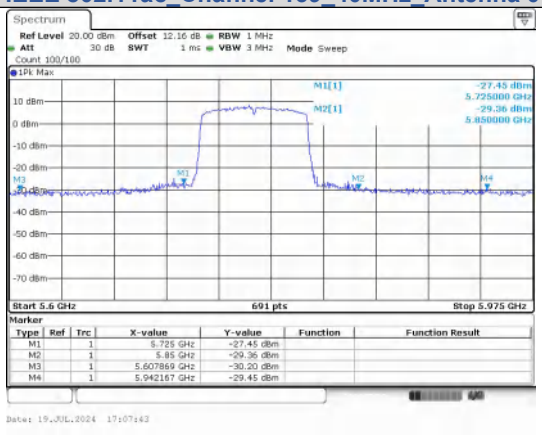

Out Of Band Emission
IEEE 802.11ac_Channel 159_40MHz_Antenna 0



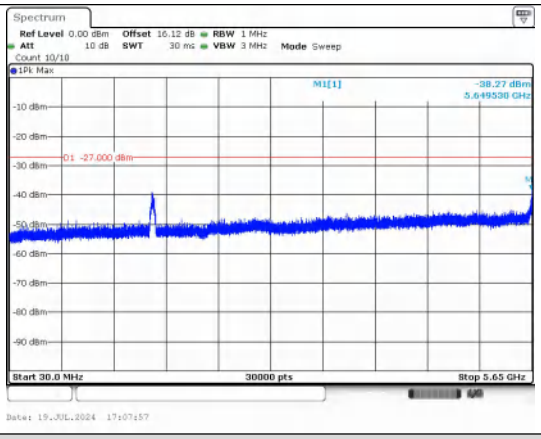

Spurious Emission:30.0~5650 MHz
IEEE 802.11ac_Channel 159_40MHz_Antenna 0



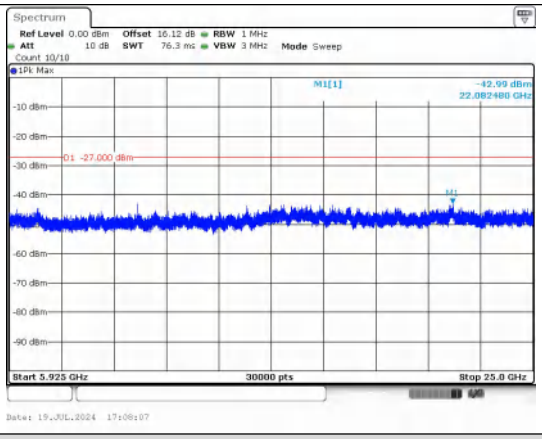

Spurious Emission:5925~25000.0 MHz
IEEE 802.11ac_Channel 159_40MHz_Antenna 0



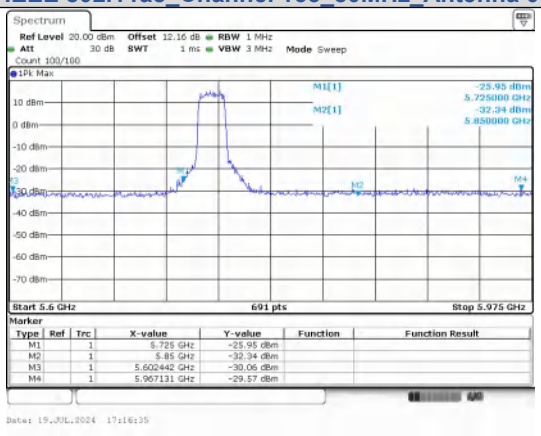

Out Of Band Emission
IEEE 802.11ac_Channel 155_80MHz_Antenna 0



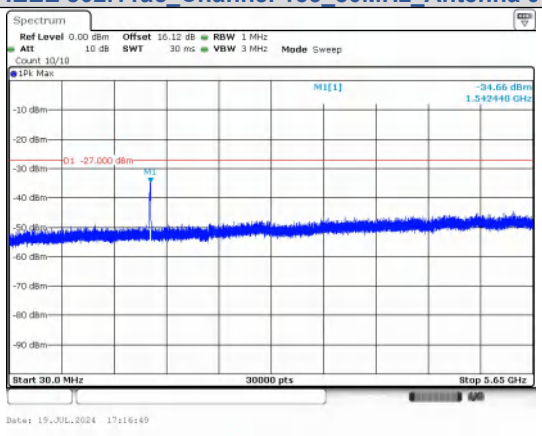

Spurious Emission:30.0~5650 MHz
IEEE 802.11ac_Channel 155_80MHz_Antenna 0



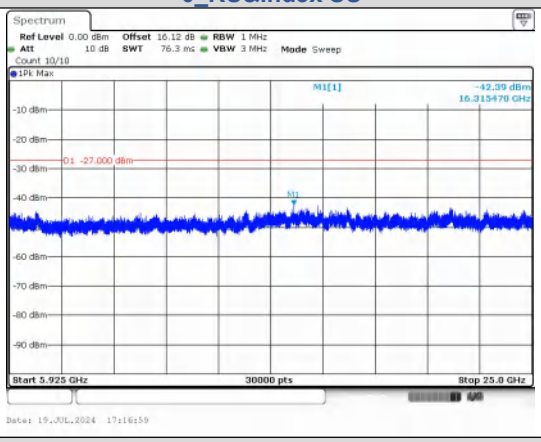

Spurious Emission:5925~25000.0 MHz
IEEE 802.11ac_Channel 155_80MHz_Antenna 0



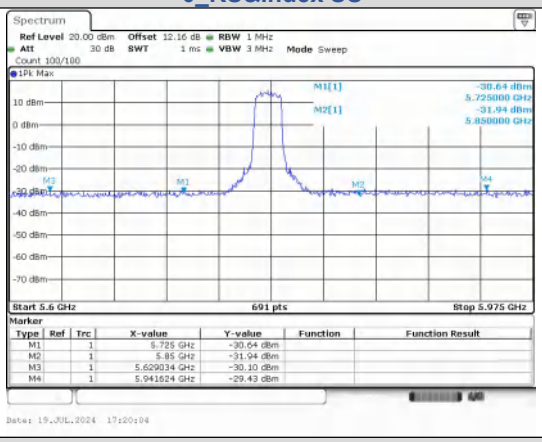

Out Of Band Emission
IEEE 802.11ax_Channel 149_20MHz_Antenna 0_RU&Index SU



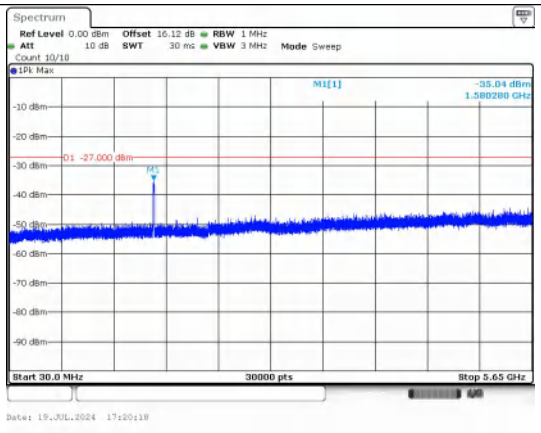

Spurious Emission:30.0~5650 MHz
IEEE 802.11ax_Channel 149_20MHz_Antenna 0_RU&Index SU



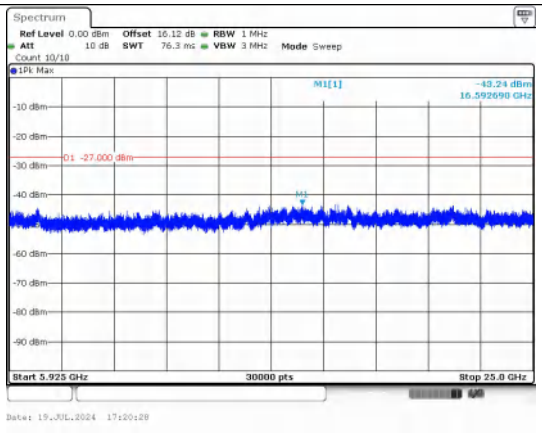

Spurious Emission:5925~25000.0 MHz
IEEE 802.11ax_Channel 149_20MHz_Antenna 0_RU&Index SU



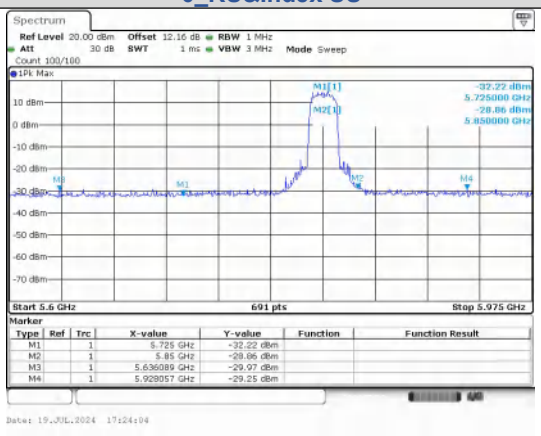

Out Of Band Emission
IEEE 802.11ax_Channel 157_20MHz_Antenna 0_RU&Index SU



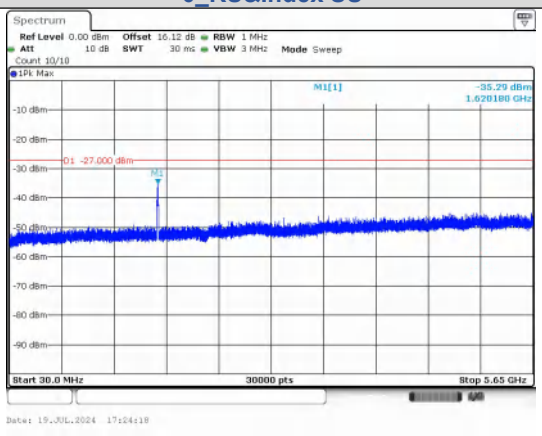

Spurious Emission:30.0~5650 MHz
IEEE 802.11ax_Channel 157_20MHz_Antenna 0_RU&Index SU



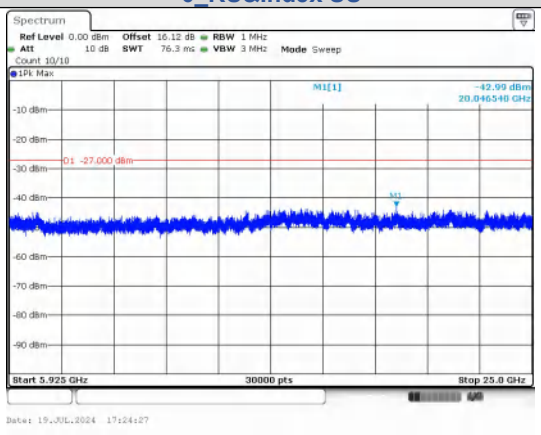

Spurious Emission:5925~25000.0 MHz
IEEE 802.11ax_Channel 157_20MHz_Antenna 0_RU&Index SU



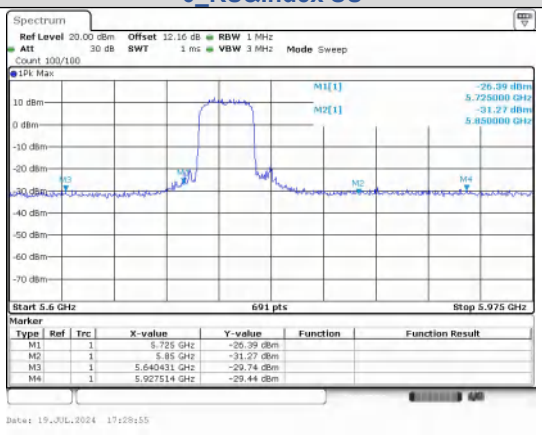

Out Of Band Emission
IEEE 802.11ax_Channel 165_20MHz_Antenna 0_RU&Index SU



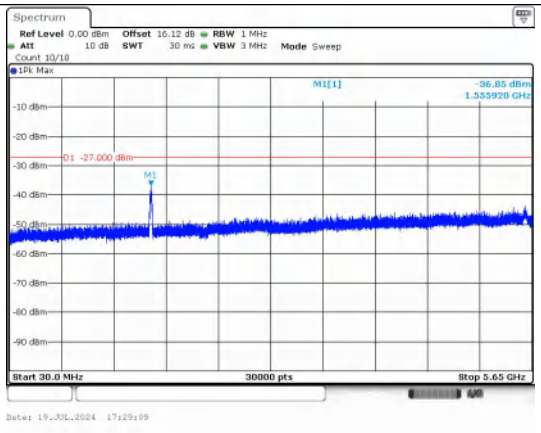

Spurious Emission:30.0~5650 MHz
IEEE 802.11ax_Channel 165_20MHz_Antenna 0_RU&Index SU



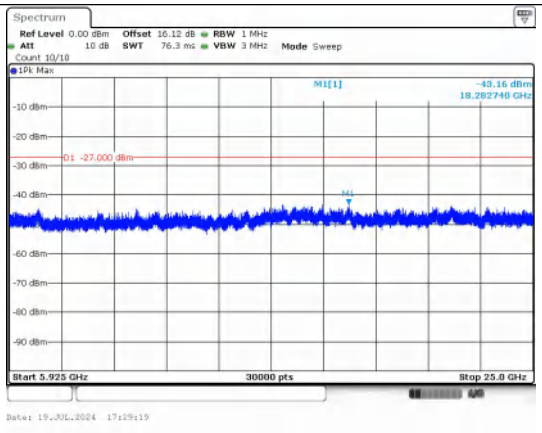

Spurious Emission:5925~25000.0 MHz
IEEE 802.11ax_Channel 165_20MHz_Antenna 0_RU&Index SU



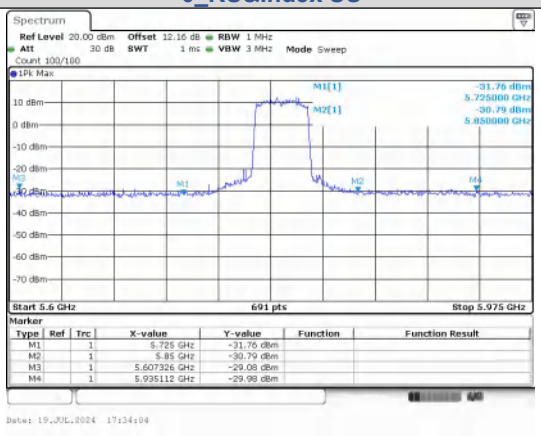

Out Of Band Emission
IEEE 802.11ax_Channel 151_40MHz_Antenna 0_RU&Index SU



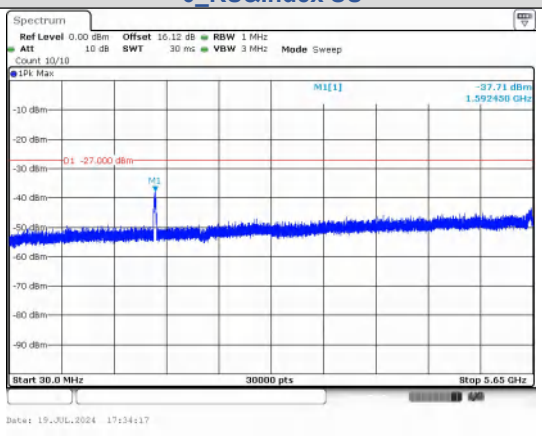

Spurious Emission:30.0~5650 MHz
IEEE 802.11ax_Channel 151_40MHz_Antenna 0_RU&Index SU



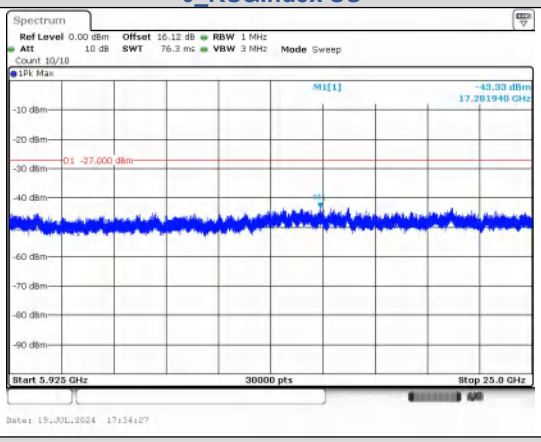

Spurious Emission:5925~25000.0 MHz
IEEE 802.11ax_Channel 151_40MHz_Antenna 0_RU&Index SU



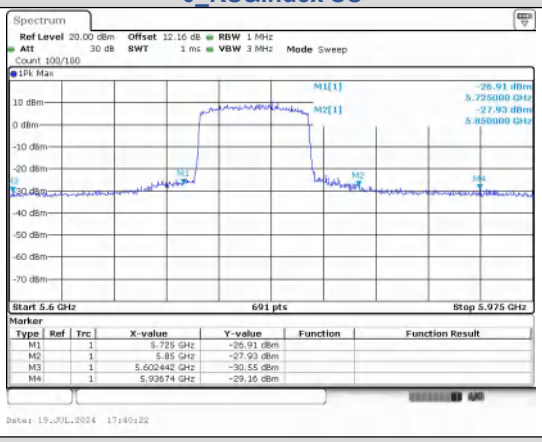

Out Of Band Emission
IEEE 802.11ax_Channel 159_40MHz_Antenna 0_RU&Index SU



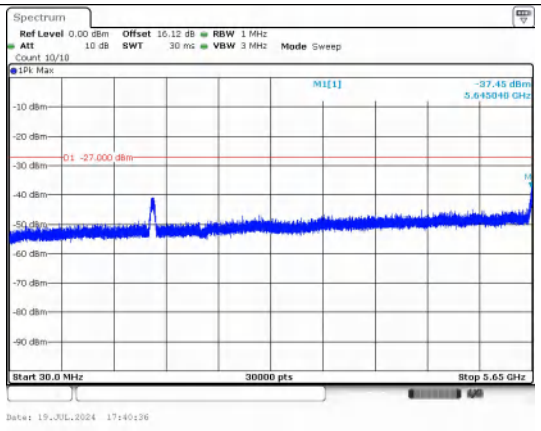

Spurious Emission:30.0~5650 MHz
IEEE 802.11ax_Channel 159_40MHz_Antenna 0_RU&Index SU



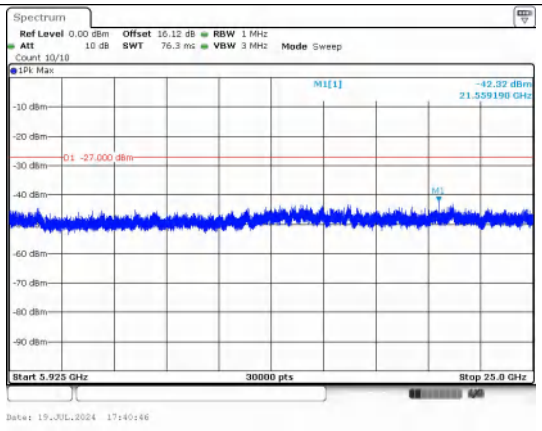

Spurious Emission:5925~25000.0 MHz
IEEE 802.11ax_Channel 159_40MHz_Antenna 0_RU&Index SU




Out Of Band Emission
IEEE 802.11ax_Channel 155_80MHz_Antenna 0_RU&Index SU




Spurious Emission:30.0~5650 MHz
IEEE 802.11ax_Channel 155_80MHz_Antenna 0_RU&Index SU




Spurious Emission:5925~25000.0 MHz
IEEE 802.11ax_Channel 155_80MHz_Antenna 0_RU&Index SU