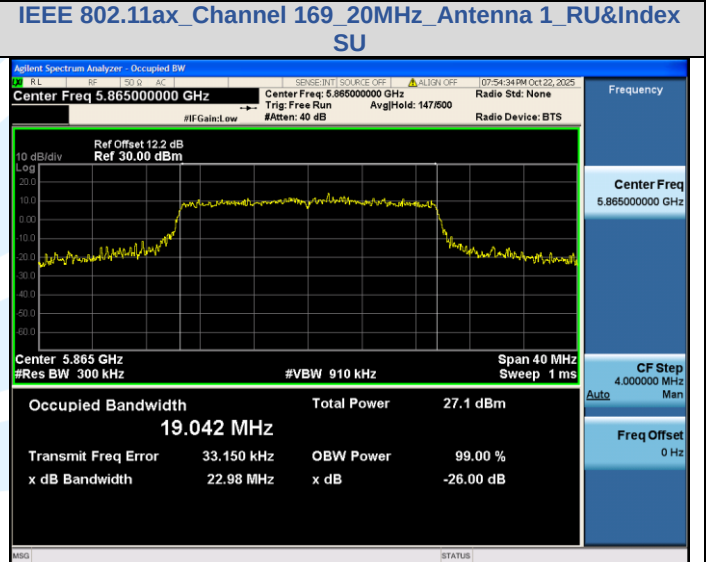
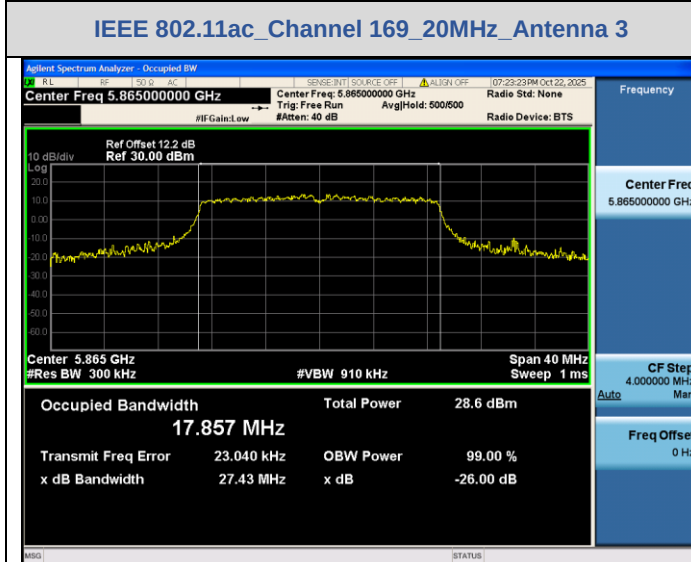
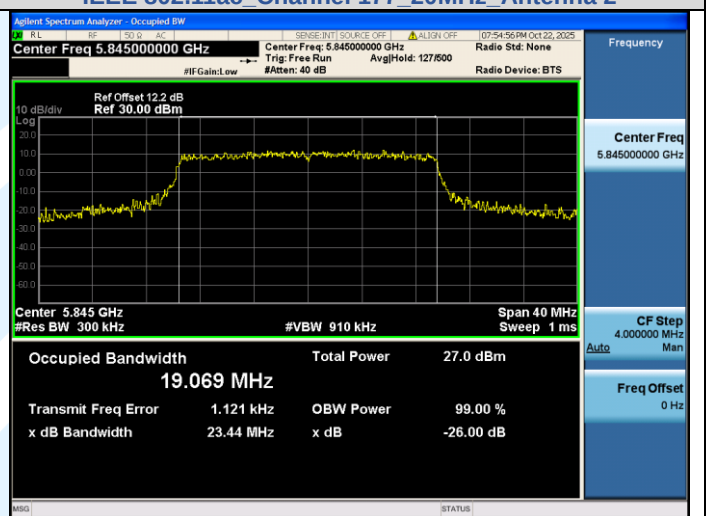
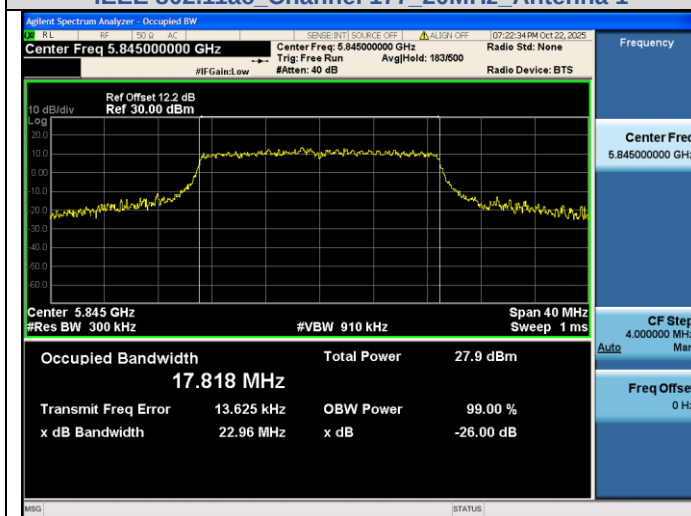
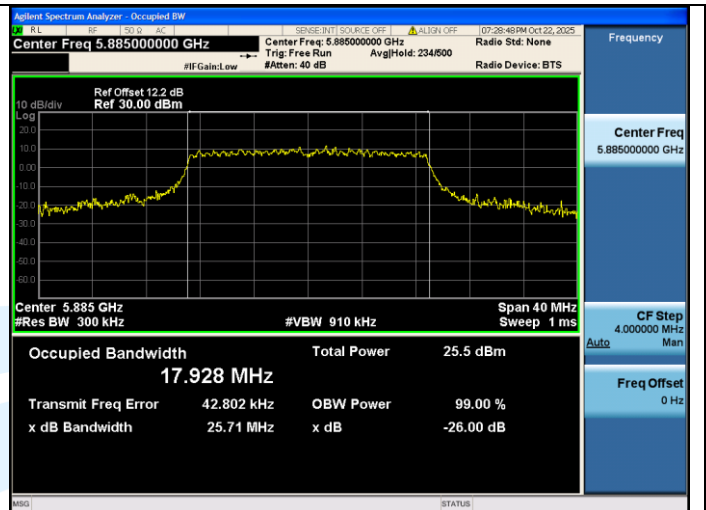
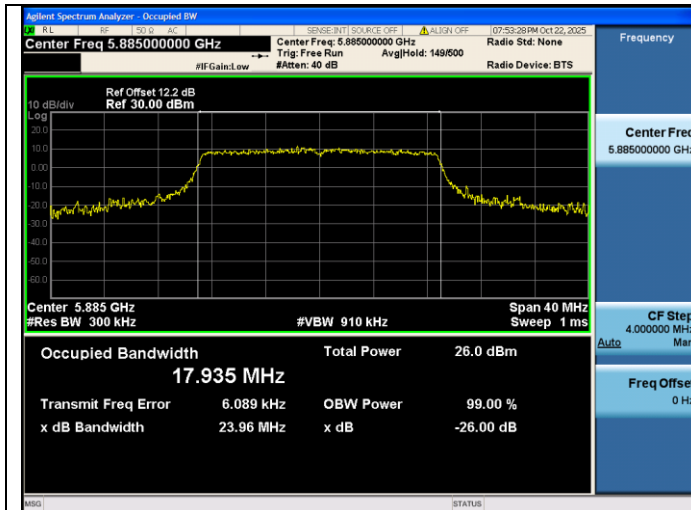
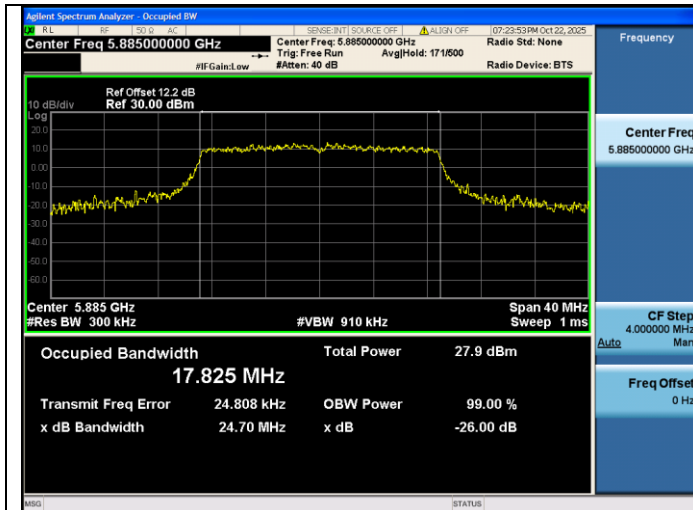


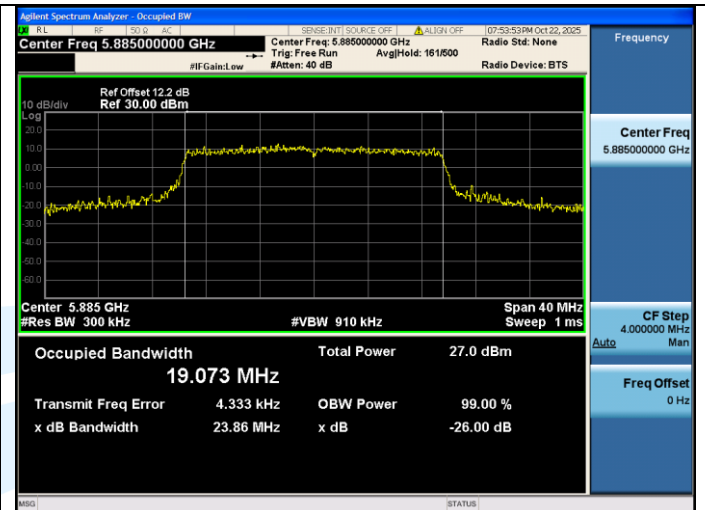


**IEEE 802.11ac Channel 173 20MHz Antenna 3**

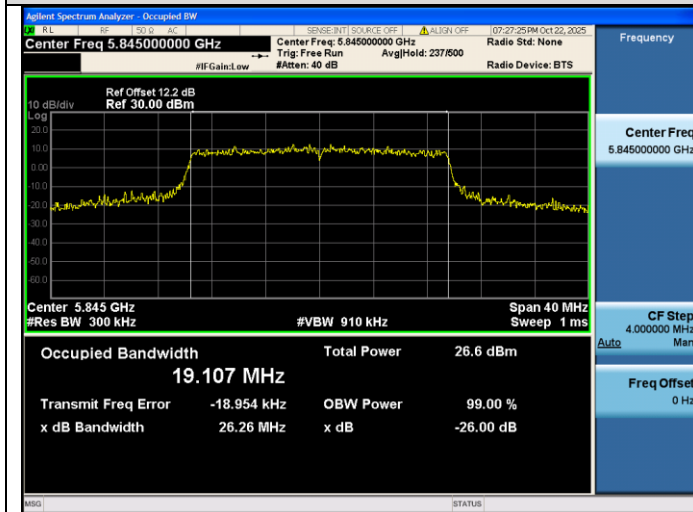
**IEEE 802.11ac Channel 173 20MHz Antenna 2**



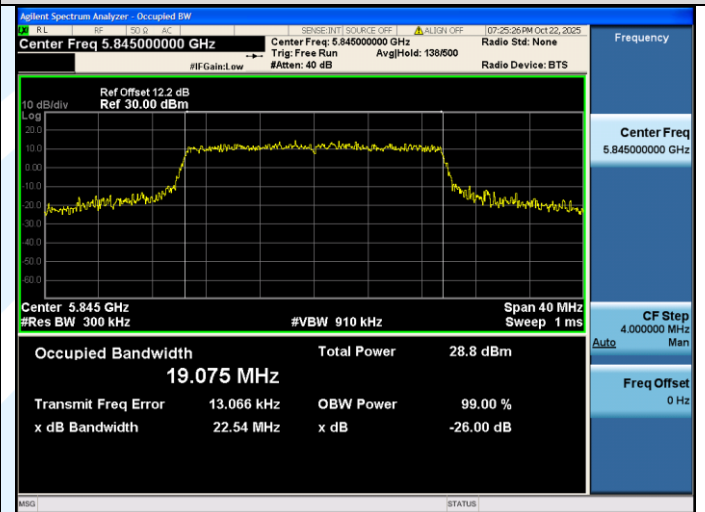
IEEE 802.11ac\_Channel 177\_20MHz\_Antenna 3



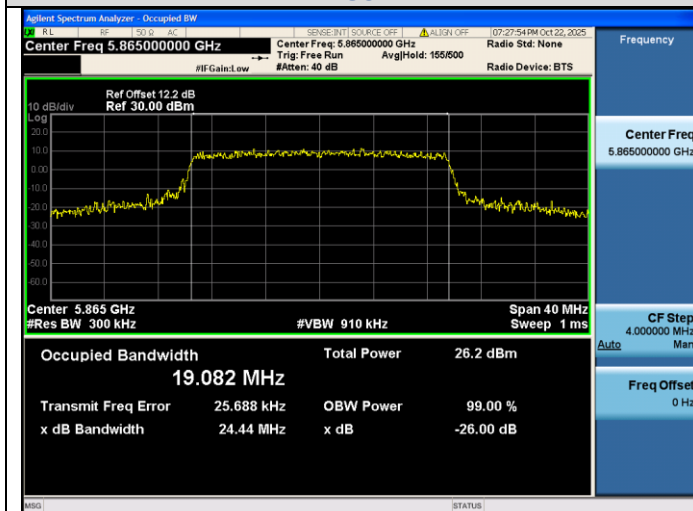
IEEE 802.11ax\_Channel 177\_20MHz\_Antenna 1\_RU&amp;Index SU



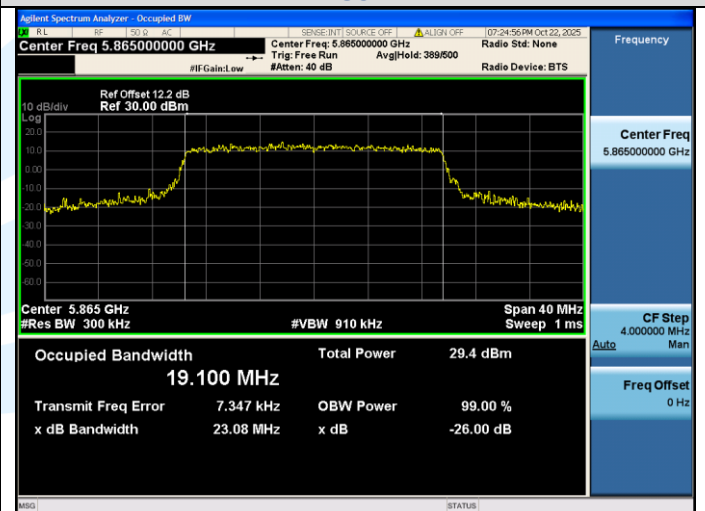
IEEE 802.11ax\_Channel 169\_20MHz\_Antenna 2\_RU&amp;Index SU



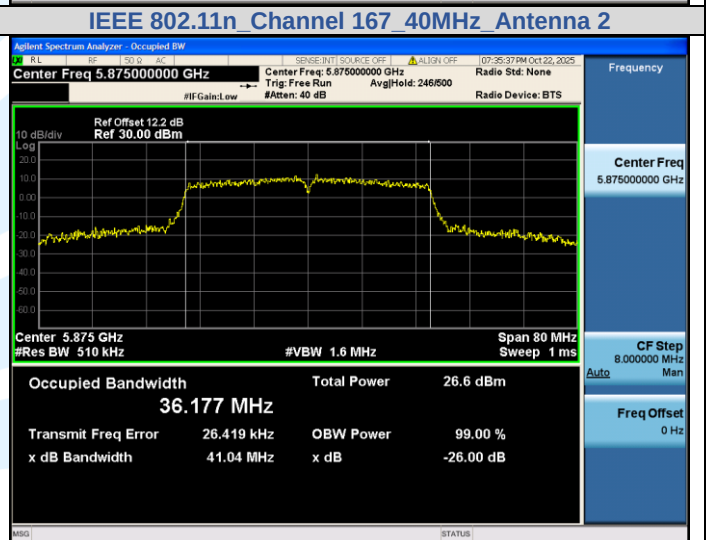
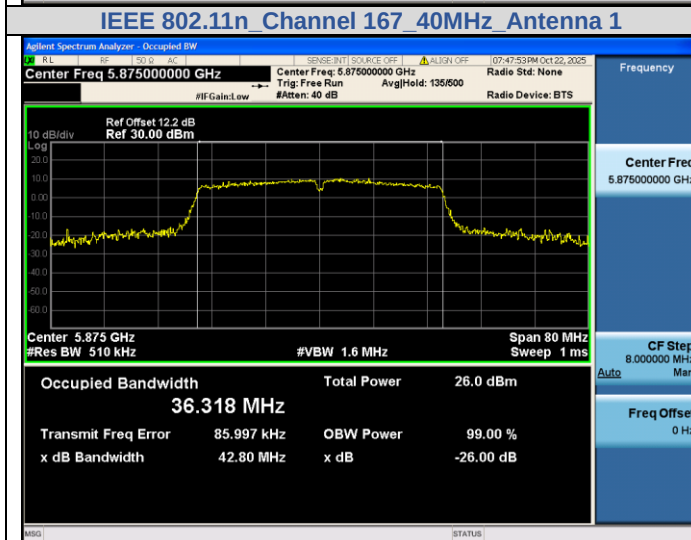
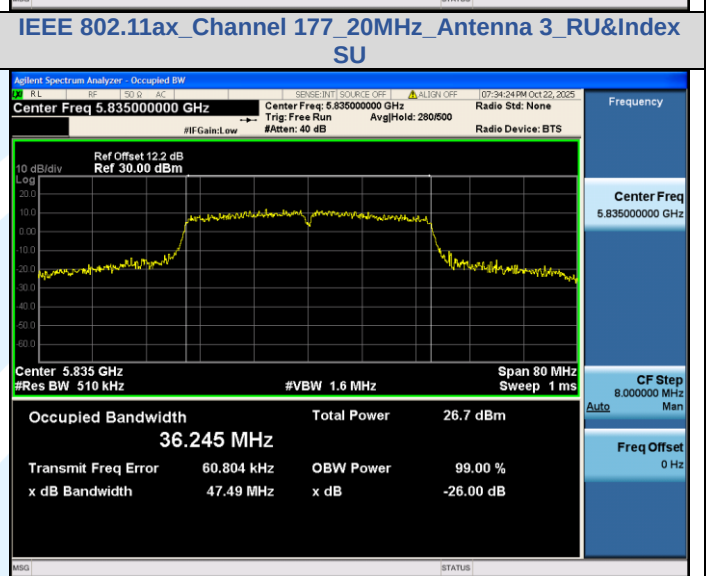
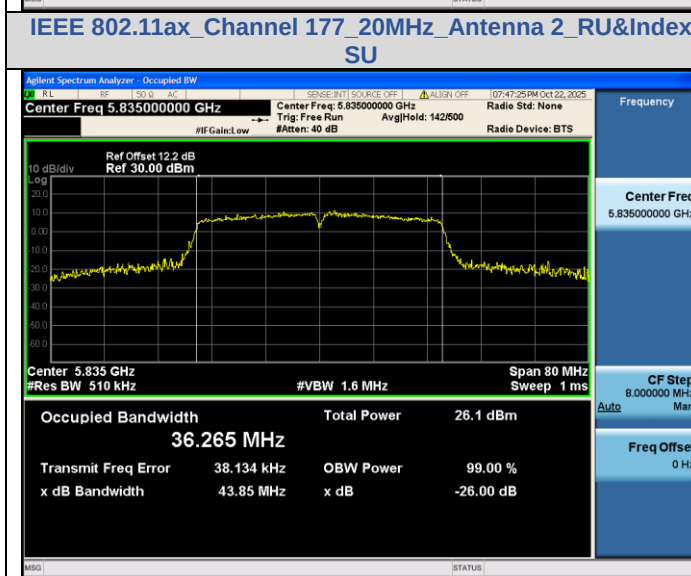
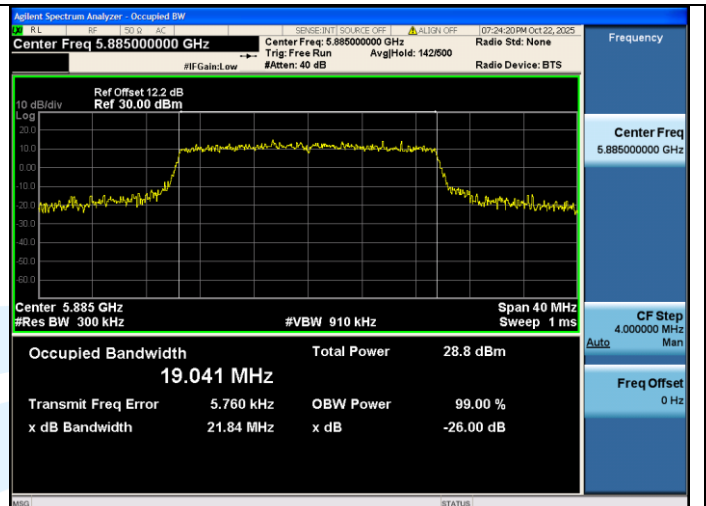
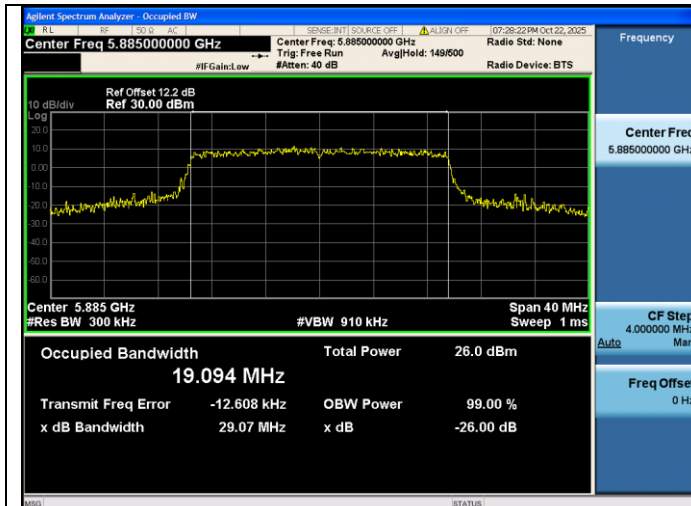
IEEE 802.11ax\_Channel 169\_20MHz\_Antenna 3\_RU&amp;Index SU

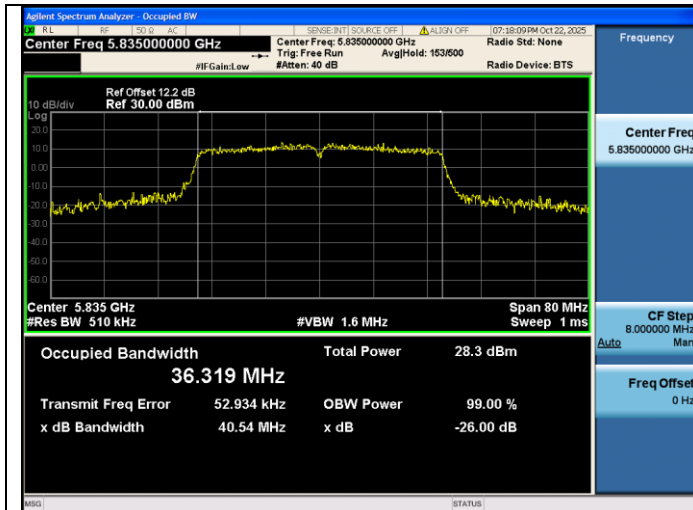


IEEE 802.11ax\_Channel 173\_20MHz\_Antenna 2\_RU&amp;Index SU

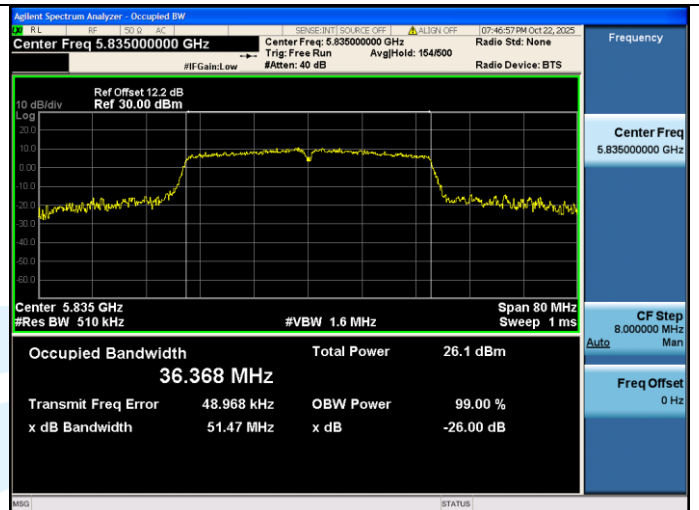


IEEE 802.11ax\_Channel 173\_20MHz\_Antenna 3\_RU&amp;Index SU

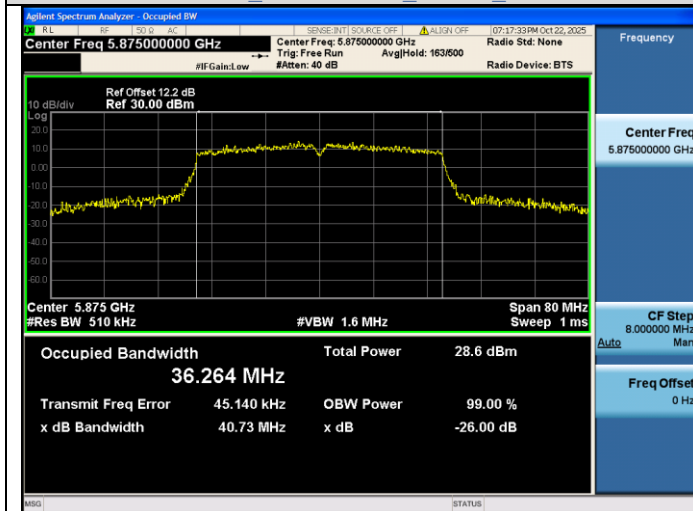




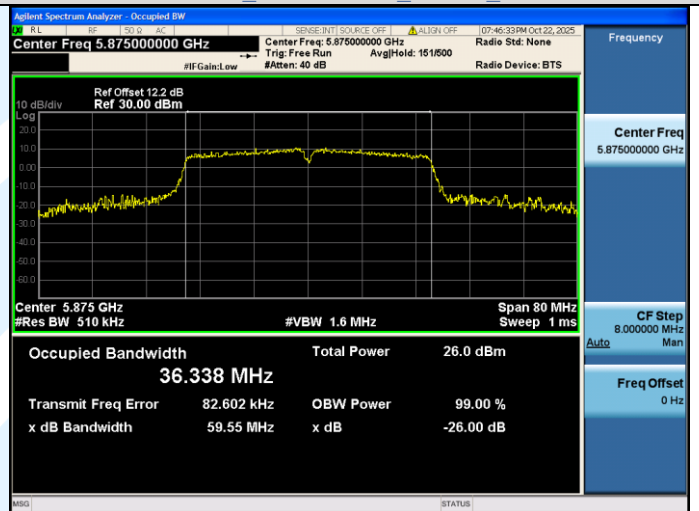
IEEE 802.11n Channel 167 40MHz Antenna 3



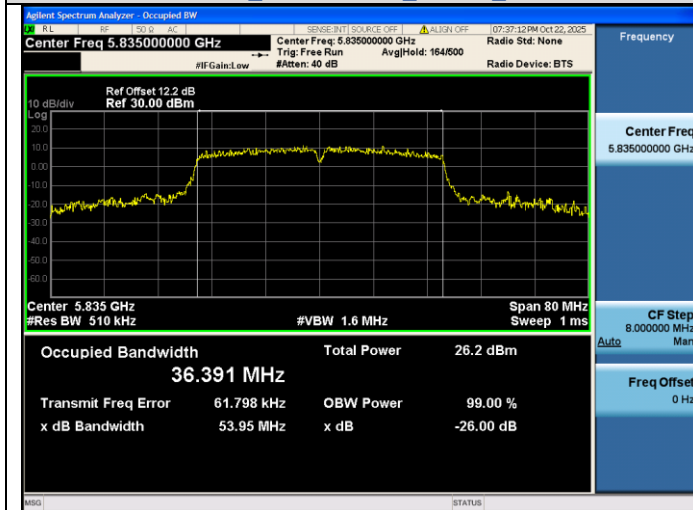
IEEE 802.11ac Channel 167 40MHz Antenna 1



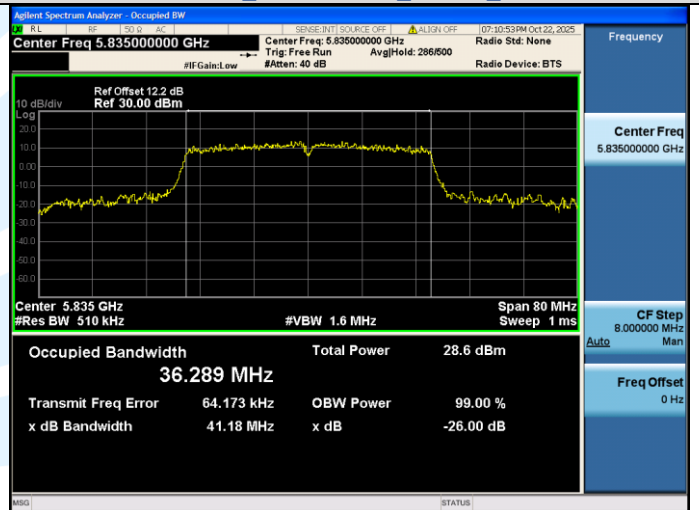
IEEE 802.11n Channel 175 40MHz Antenna 3



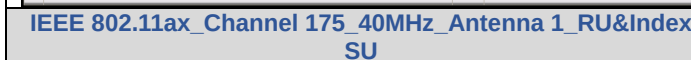
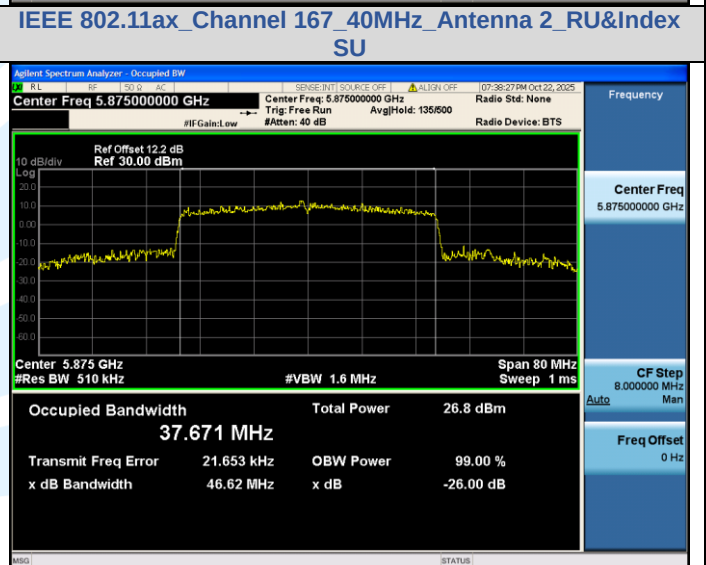
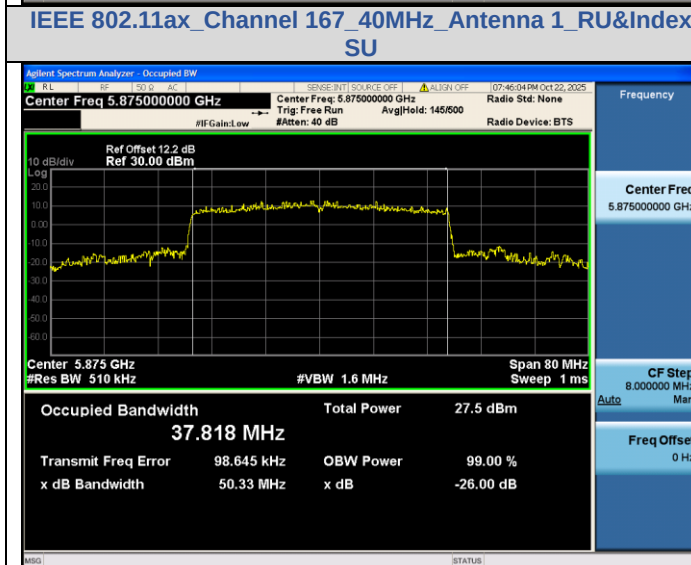
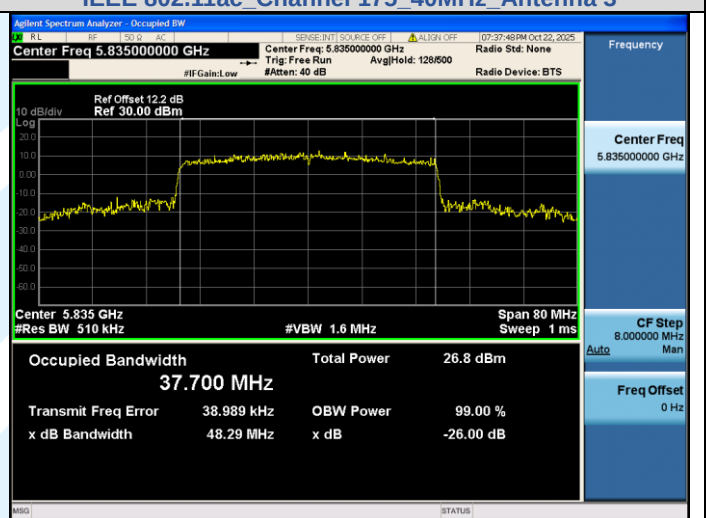
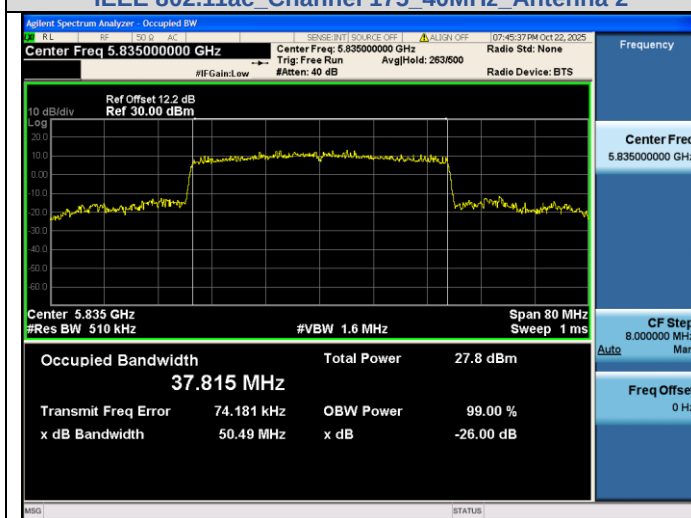
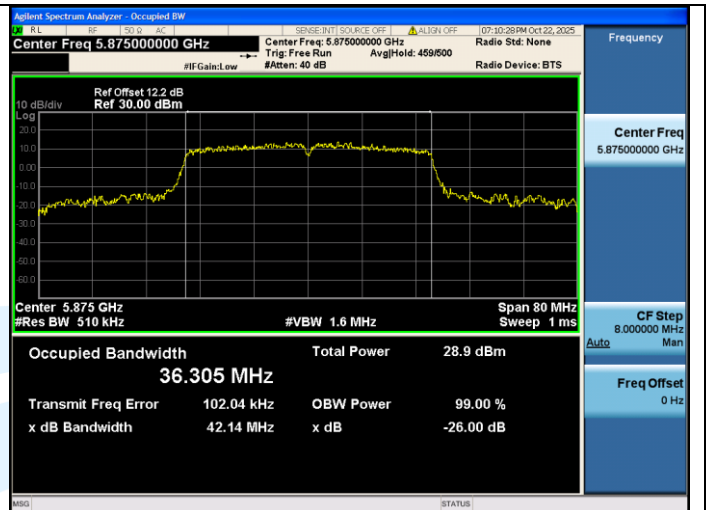
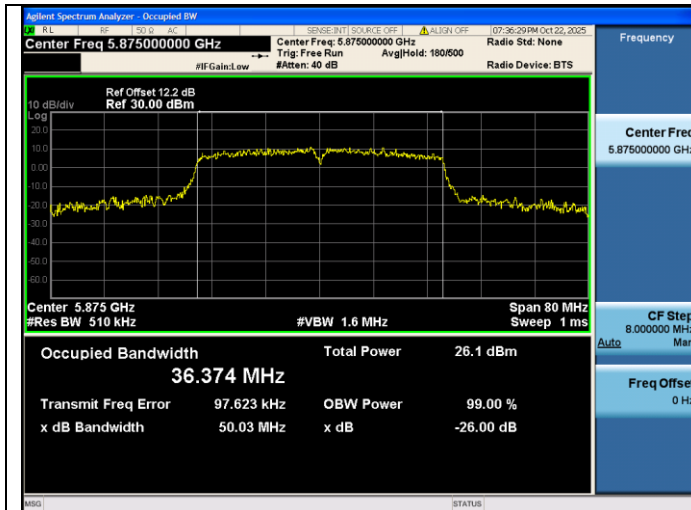
IEEE 802.11ac Channel 175 40MHz Antenna 1

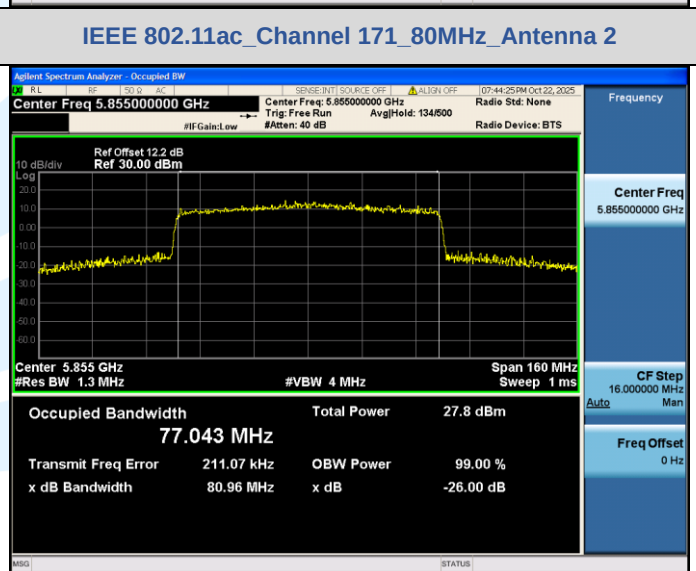
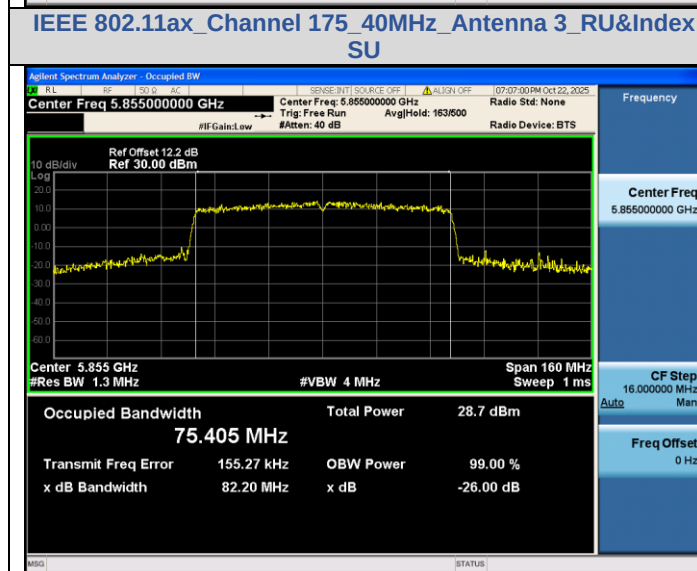
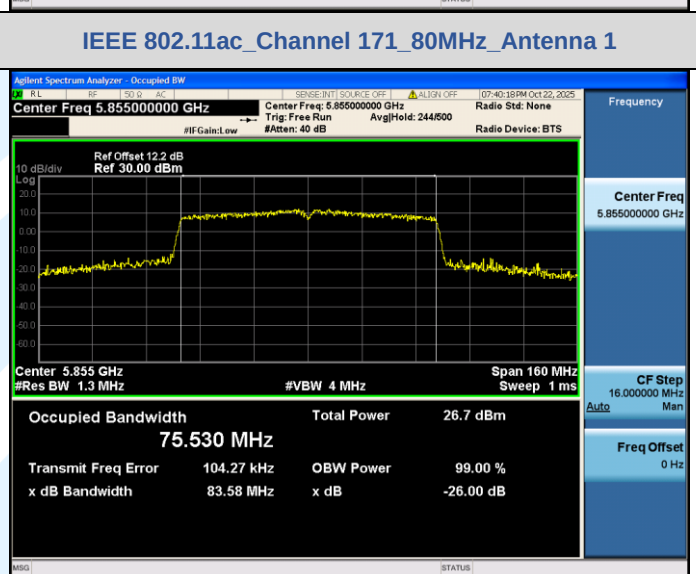
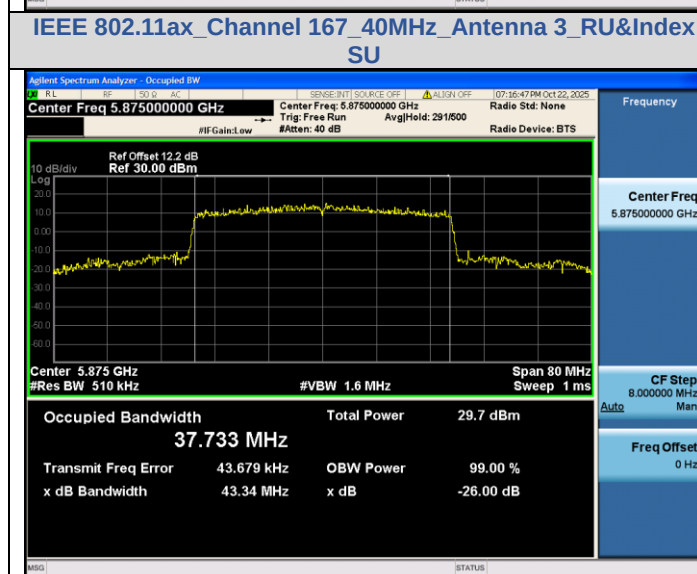
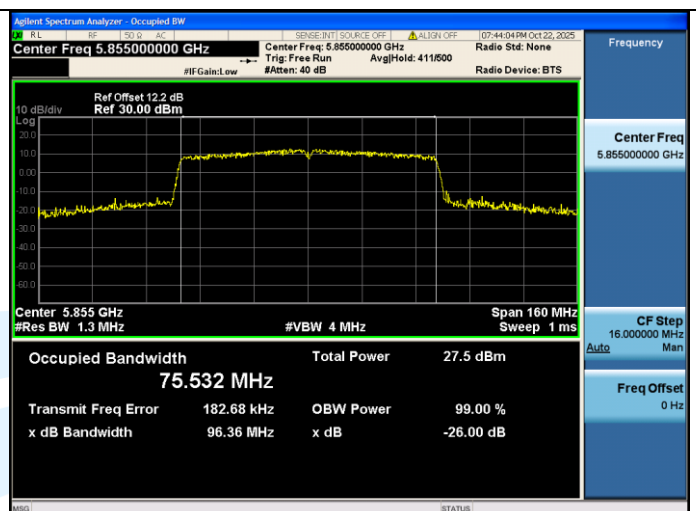
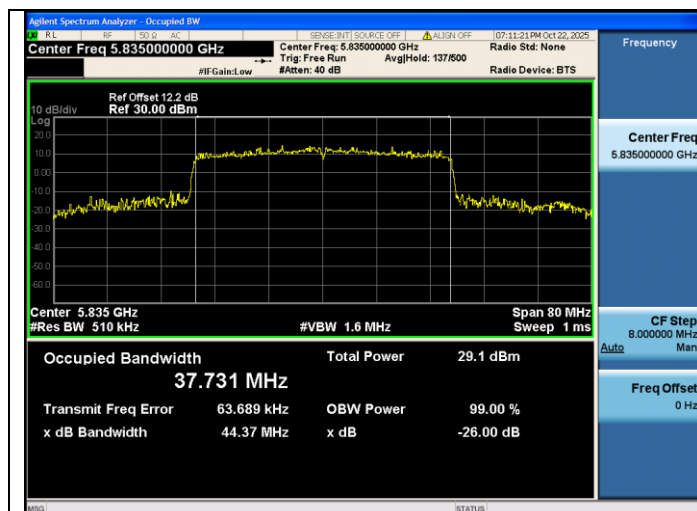


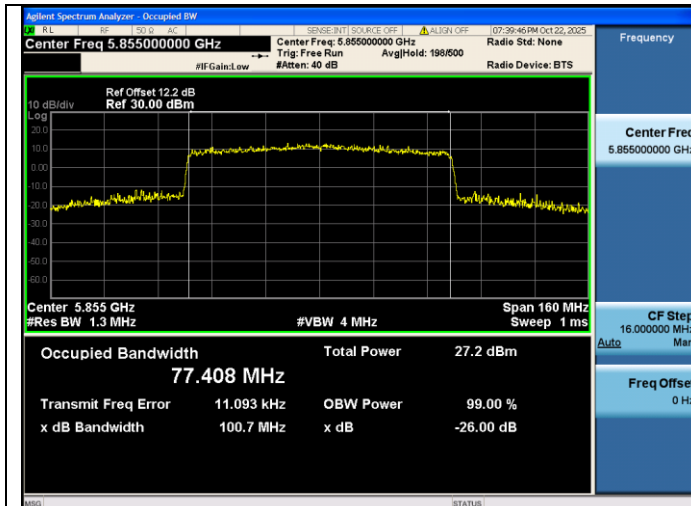
IEEE 802.11ac Channel 167 40MHz Antenna 2



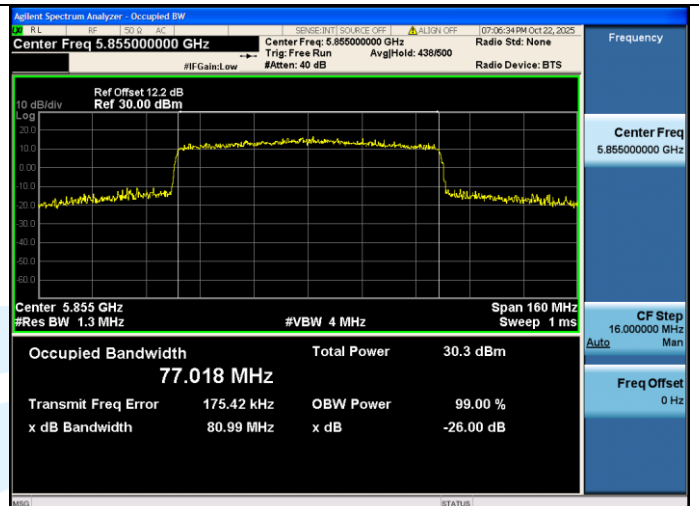
IEEE 802.11ac Channel 167 40MHz Antenna 3



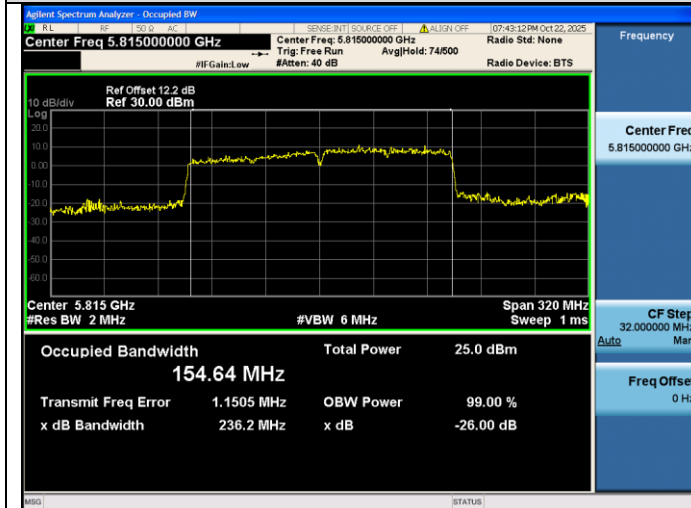




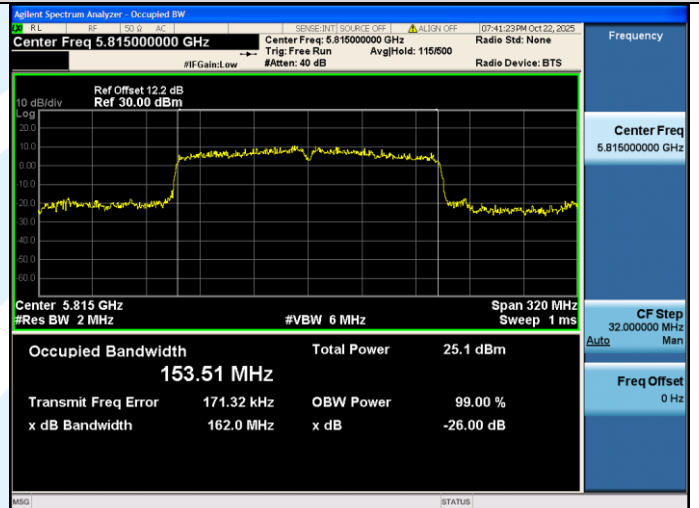
IEEE 802.11ax\_Channel 171\_80MHz\_Antenna 2\_RU&amp;Index SU



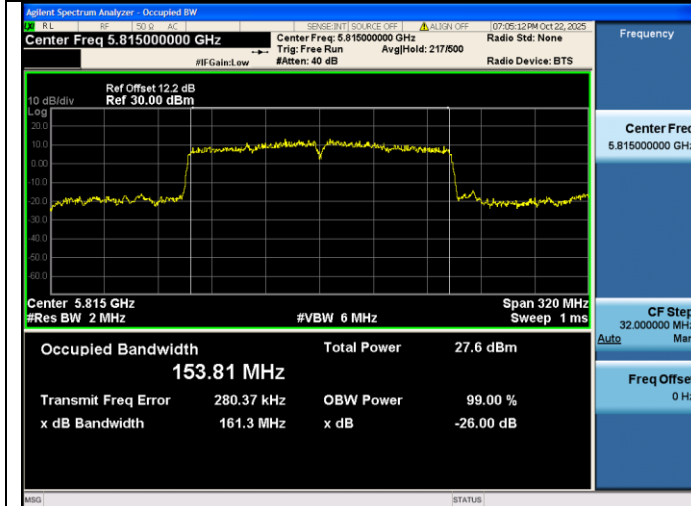
IEEE 802.11ax\_Channel 171\_80MHz\_Antenna 3\_RU&amp;Index SU



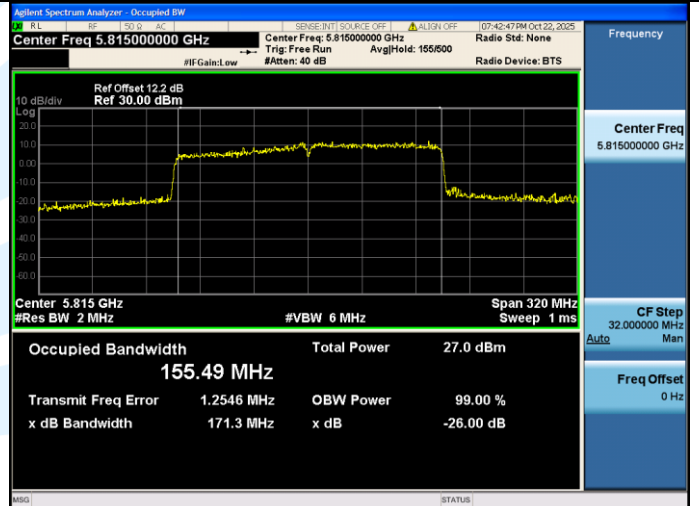
IEEE 1602.11ac\_Channel 163\_160MHz\_Antenna 1



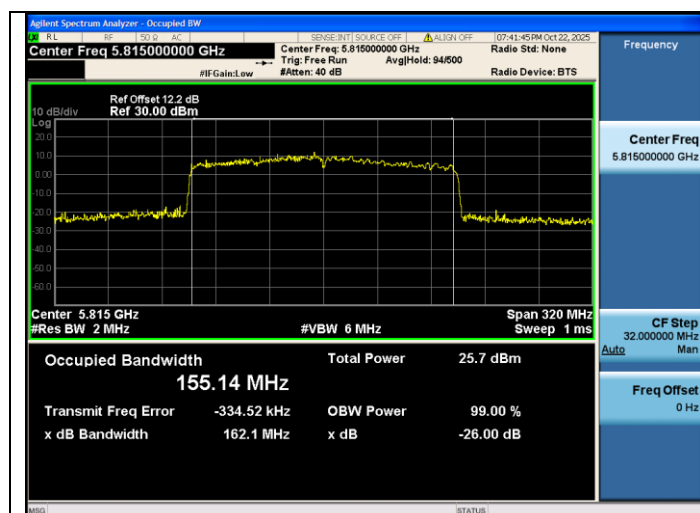
IEEE 1602.11ac\_Channel 163\_160MHz\_Antenna 2



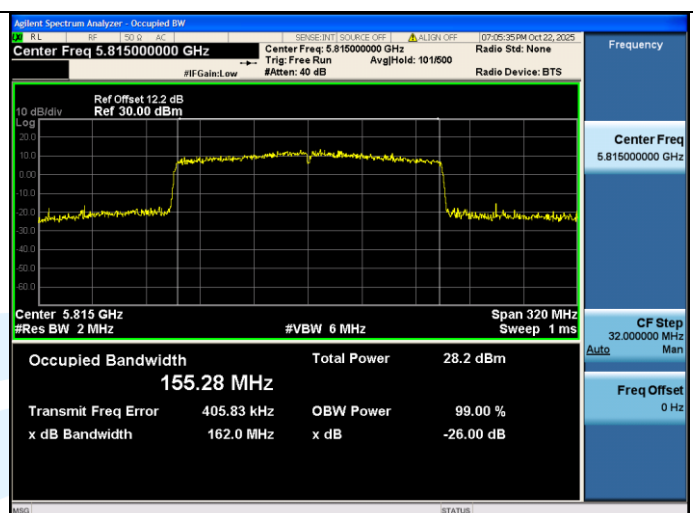
IEEE 1602.11ac\_Channel 163\_160MHz\_Antenna 3



IEEE 1602.11ax\_Channel 163\_160MHz\_Antenna 1\_RU&amp;Index SU



IEEE 1602.11ax\_Channel 163\_160MHz\_Antenna  
2\_RU&Index SU



IEEE 1602.11ax\_Channel 163\_160MHz\_Antenna  
3\_RU&Index SU

## Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

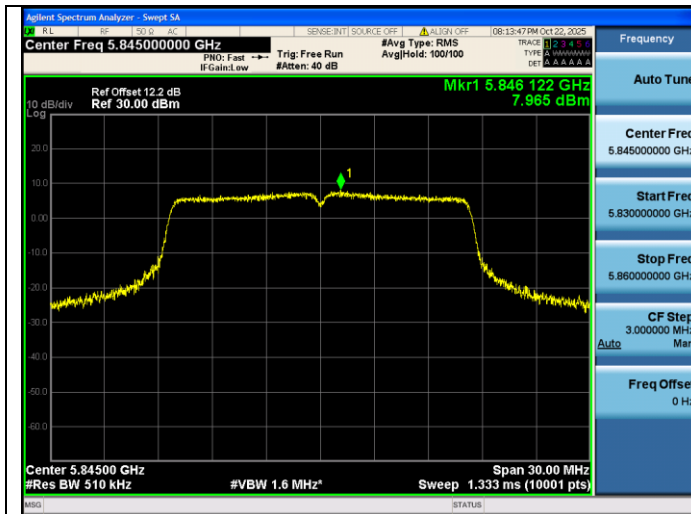
UTTR-RF-FCCPART15.407-V1.3

## A.2 PEAK POWER SPECTRAL DENSITY

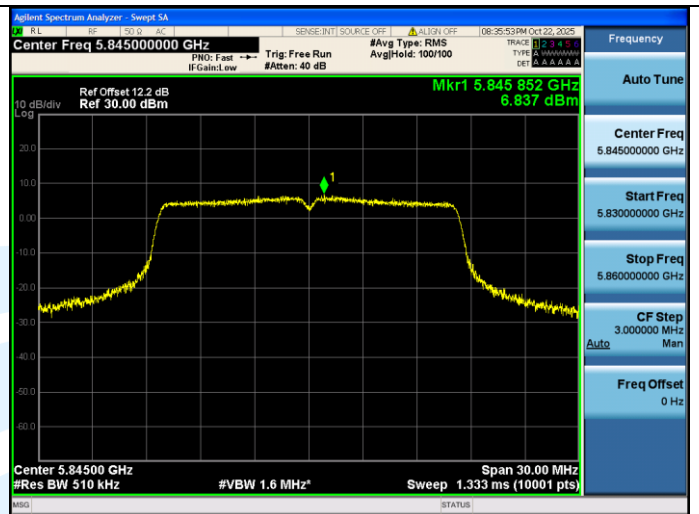
For U-NII-4 Band:

| Mode              | Channel | RU & Index | Meas PSD (dBm/0.5MHz) |        |        | Corr'd PSD (dBm/0.5MHz) |        |        |        | EIRP PSD (dBm/0.5MHz) |        |        |       | EIRP PSD Limit (dBm/0.5MHz) | Result |
|-------------------|---------|------------|-----------------------|--------|--------|-------------------------|--------|--------|--------|-----------------------|--------|--------|-------|-----------------------------|--------|
|                   |         |            | Ant. 1                | Ant. 2 | Ant. 3 | Ant. 1                  | Ant. 2 | Ant. 3 | Total  | Ant. 1                | Ant. 2 | Ant. 3 | Total |                             |        |
| IEEE 802.11a      | 169     | N/A        | 7.965                 | 6.837  | 8.658  | 8.145                   | 7.017  | 8.838  | N/A    | 11.025                | 9.897  | 11.408 | N/A   | 20                          | PASS   |
|                   | 173     |            | 6.937                 | 5.846  | 8.802  | 7.117                   | 6.026  | 8.982  |        | 9.997                 | 8.906  | 11.552 |       |                             | PASS   |
|                   | 177     |            | 7.271                 | 6.458  | 9.163  | 7.451                   | 6.638  | 9.343  |        | 10.331                | 9.518  | 11.913 |       |                             | PASS   |
| IEEE 802.11n_20   | 169     |            | 5.821                 | 4.490  | 8.244  | 6.191                   | 4.860  | 8.614  | 11.611 | 9.071                 | 7.740  | 11.184 | 19.16 |                             | PASS   |
|                   | 173     |            | 6.301                 | 3.796  | 7.793  | 6.671                   | 4.166  | 8.163  | 11.401 | 9.551                 | 7.046  | 10.733 | 18.95 |                             | PASS   |
|                   | 177     |            | 5.839                 | 4.520  | 8.209  | 6.209                   | 4.890  | 8.579  | 11.605 | 9.089                 | 7.770  | 11.149 | 19.15 |                             | PASS   |
| IEEE 802.11n_40   | 167     |            | 2.789                 | 1.588  | 4.561  | 3.499                   | 2.298  | 5.271  | 8.634  | 6.379                 | 5.178  | 7.841  | 16.18 |                             | PASS   |
|                   | 175     |            | 2.740                 | 2.305  | 5.573  | 3.450                   | 3.015  | 6.283  | 9.276  | 6.330                 | 5.895  | 8.853  | 16.83 |                             | PASS   |
| IEEE 802.11ac_20  | 169     |            | 5.776                 | 4.644  | 7.550  | 6.286                   | 5.154  | 8.060  | 11.438 | 9.166                 | 8.034  | 10.630 | 18.99 |                             | PASS   |
|                   | 173     |            | 5.693                 | 4.321  | 7.673  | 6.203                   | 4.831  | 8.183  | 11.397 | 9.083                 | 7.711  | 10.753 | 18.95 |                             | PASS   |
|                   | 177     |            | 5.942                 | 5.116  | 7.626  | 6.452                   | 5.626  | 8.136  | 11.638 | 9.332                 | 8.506  | 10.706 | 19.19 |                             | PASS   |
| IEEE 802.11ac_40  | 167     |            | 2.888                 | 2.309  | 4.106  | 3.788                   | 3.209  | 5.006  | 8.838  | 6.668                 | 6.089  | 7.576  | 16.39 |                             | PASS   |
|                   | 175     |            | 2.773                 | 2.145  | 4.720  | 3.673                   | 3.045  | 5.620  | 9.027  | 6.553                 | 5.925  | 8.190  | 16.58 |                             | PASS   |
| IEEE 802.11ac_80  | 171     |            | -2.013                | -2.271 | 1.374  | -0.463                  | -0.721 | 2.924  | 5.690  | 2.417                 | 2.159  | 5.494  | 13.24 |                             | PASS   |
| IEEE 802.11ac_160 | 163     |            | -4.397                | -5.244 | -2.519 | -2.357                  | -3.204 | -0.479 | 2.911  | 0.523                 | -0.324 | 2.091  | 10.46 |                             | PASS   |
| IEEE 802.11ax_20  | 169     | SU         | 5.365                 | 4.124  | 7.104  | 5.945                   | 4.704  | 7.684  | 11.056 | 8.825                 | 7.584  | 10.254 | 18.61 | 20                          | PASS   |
|                   | 173     |            | 5.869                 | 4.231  | 7.799  | 6.449                   | 4.811  | 8.379  | 11.562 | 9.329                 | 7.691  | 10.949 | 19.11 |                             | PASS   |
|                   | 177     |            | 5.418                 | 4.431  | 7.606  | 5.998                   | 5.011  | 8.186  | 11.378 | 8.878                 | 7.891  | 10.756 | 18.93 |                             | PASS   |
| IEEE 802.11ax_40  | 167     |            | 3.632                 | 2.149  | 5.242  | 4.532                   | 3.049  | 6.142  | 9.528  | 7.412                 | 5.929  | 8.712  | 17.08 |                             | PASS   |
|                   | 175     |            | 2.956                 | 1.869  | 4.447  | 3.856                   | 2.769  | 5.347  | 8.891  | 6.736                 | 5.649  | 7.917  | 16.44 |                             | PASS   |
| IEEE 802.11ax_80  | 171     |            | 0.101                 | -1.165 | 1.832  | 1.351                   | 0.085  | 3.082  | 6.452  | 4.231                 | 2.965  | 5.652  | 14.00 |                             | PASS   |
| IEEE 802.11ax_160 | 163     |            | -3.717                | -5.189 | -2.745 | -2.167                  | -3.639 | -1.195 | 2.551  | 0.713                 | -0.759 | 1.375  | 10.10 |                             | PASS   |

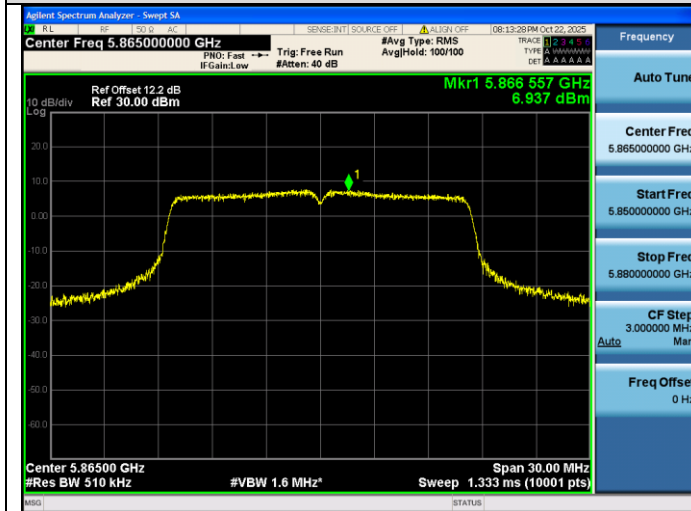
## Test Graphs



IEEE 802.11a Channel 169 20MHz Antenna 1



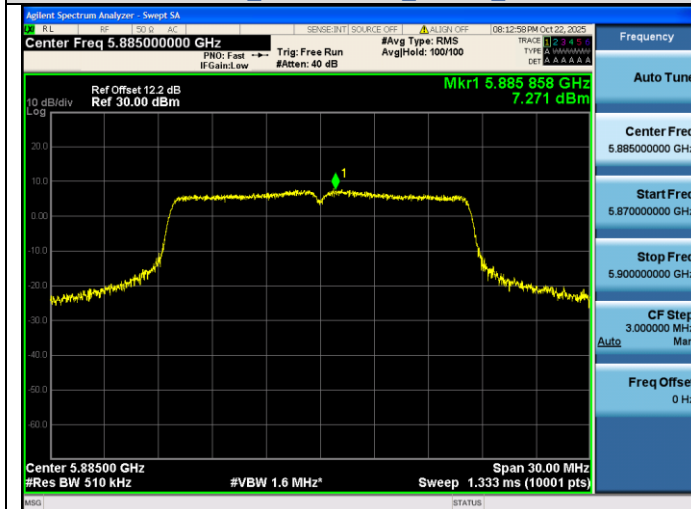
IEEE 802.11a Channel 169 20MHz Antenna 2



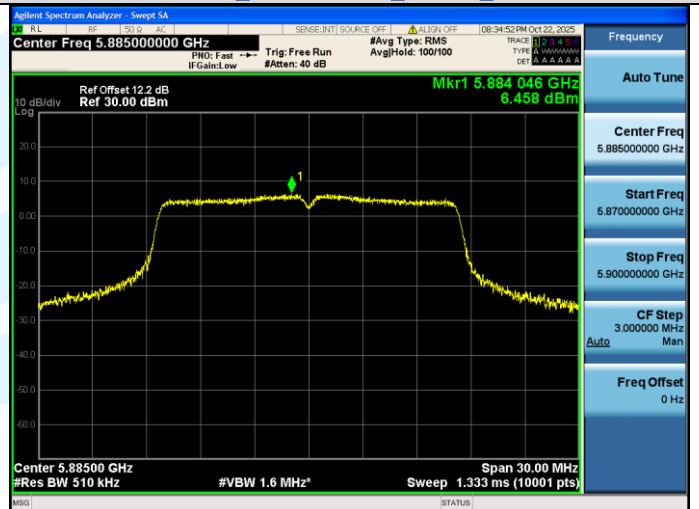
IEEE 802.11a Channel 173 20MHz Antenna 1



IEEE 802.11a Channel 173 20MHz Antenna 2



IEEE 802.11a Channel 177 20MHz Antenna 1



IEEE 802.11a Channel 177 20MHz Antenna 2