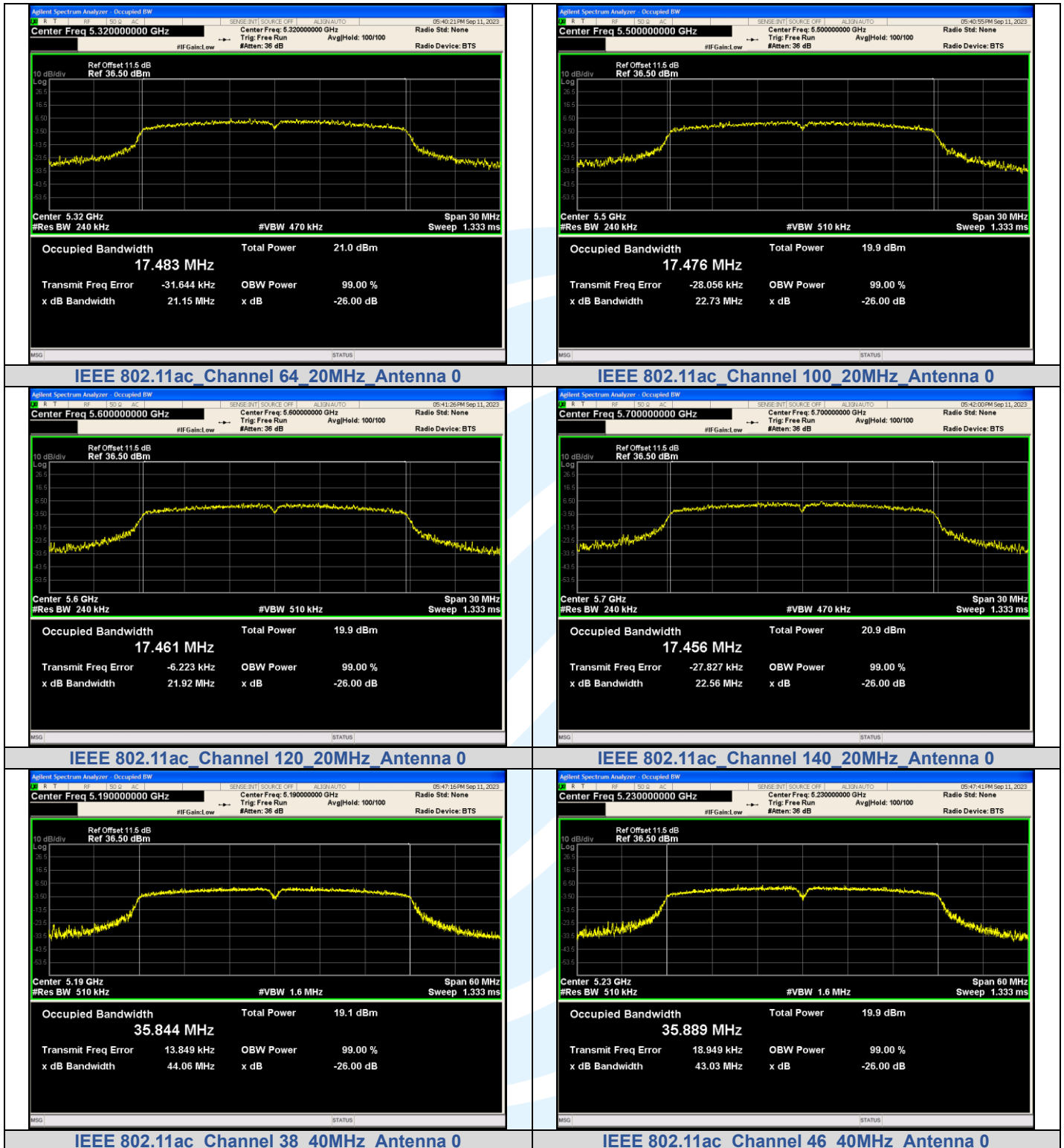
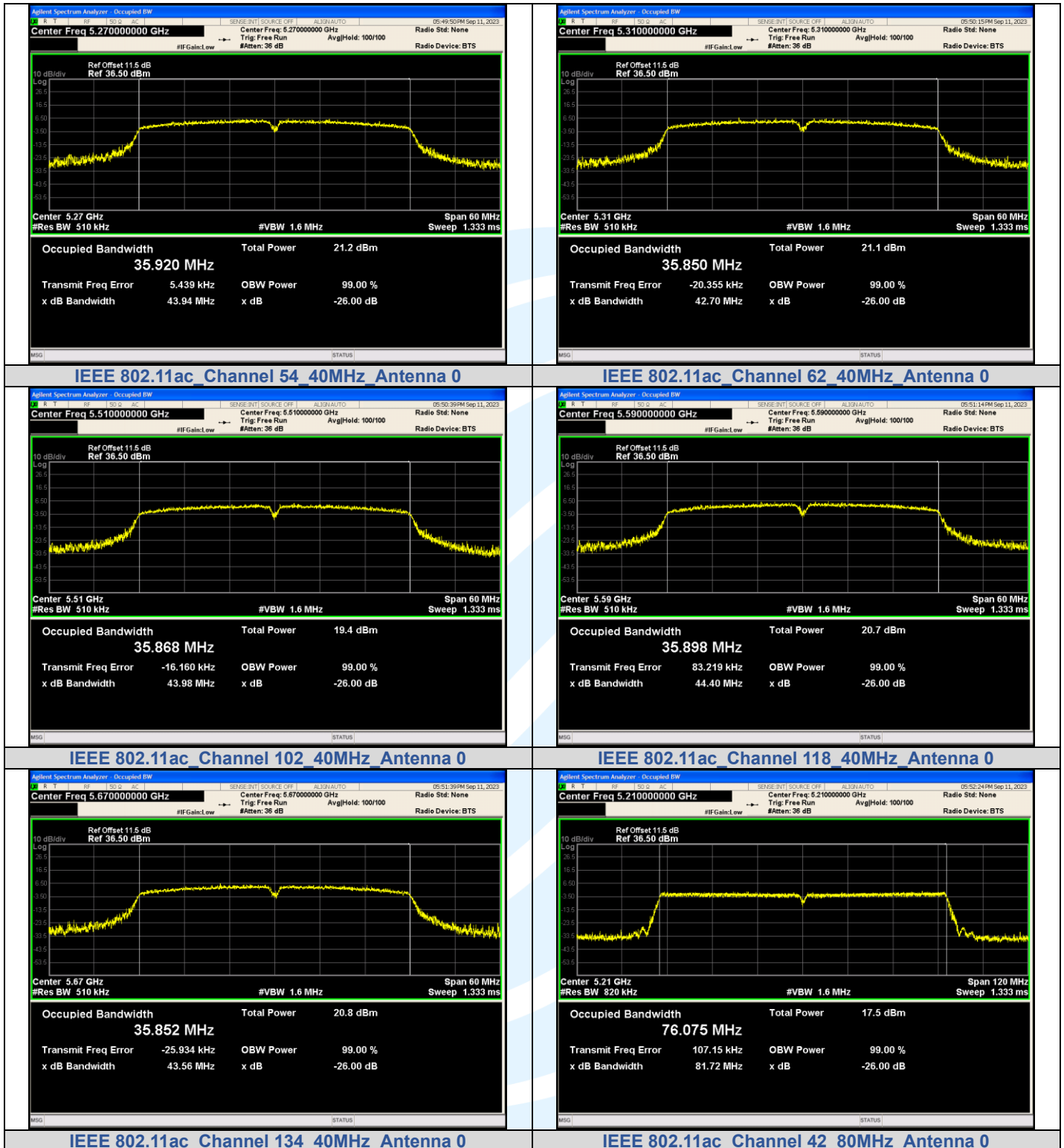
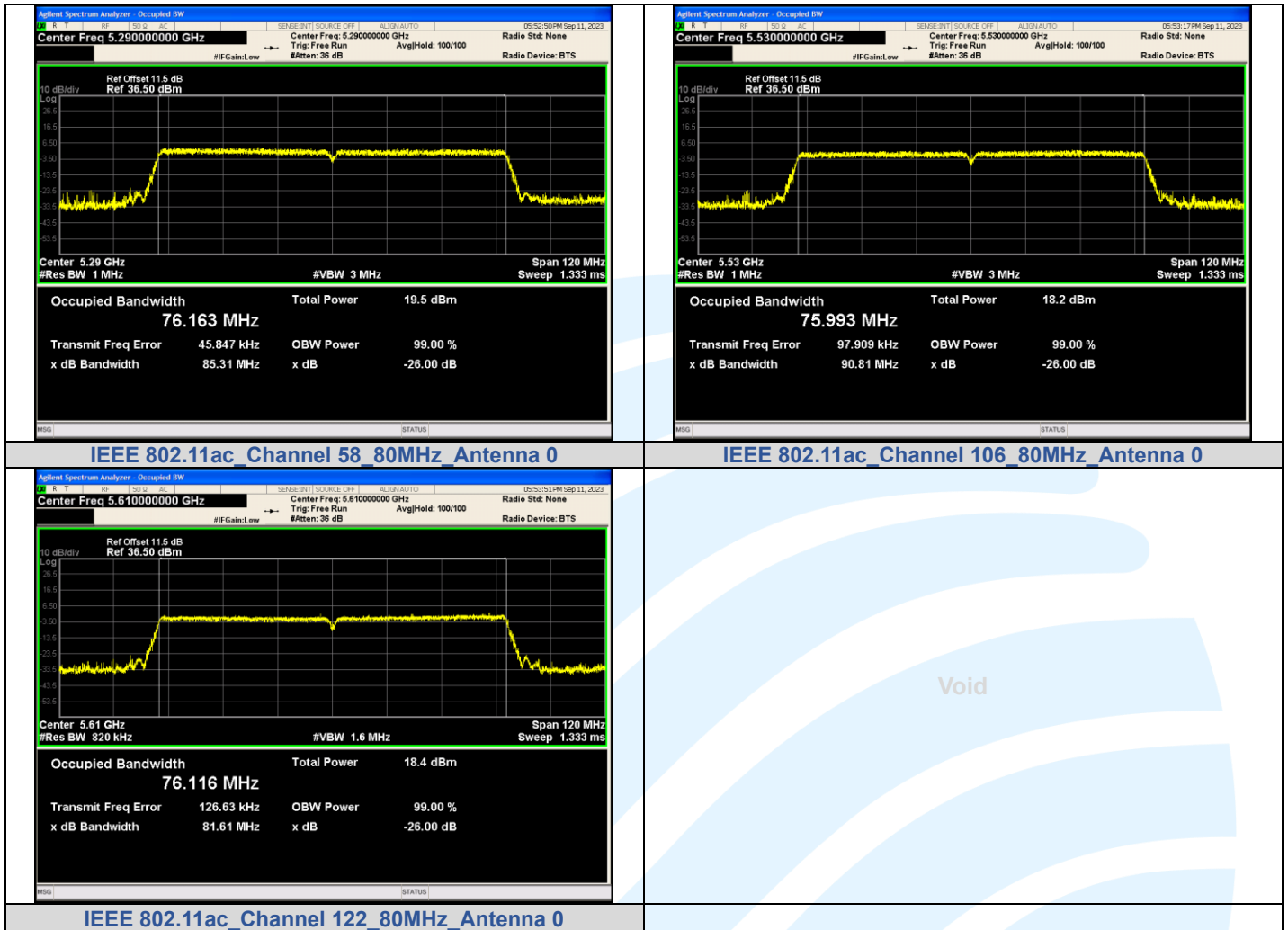






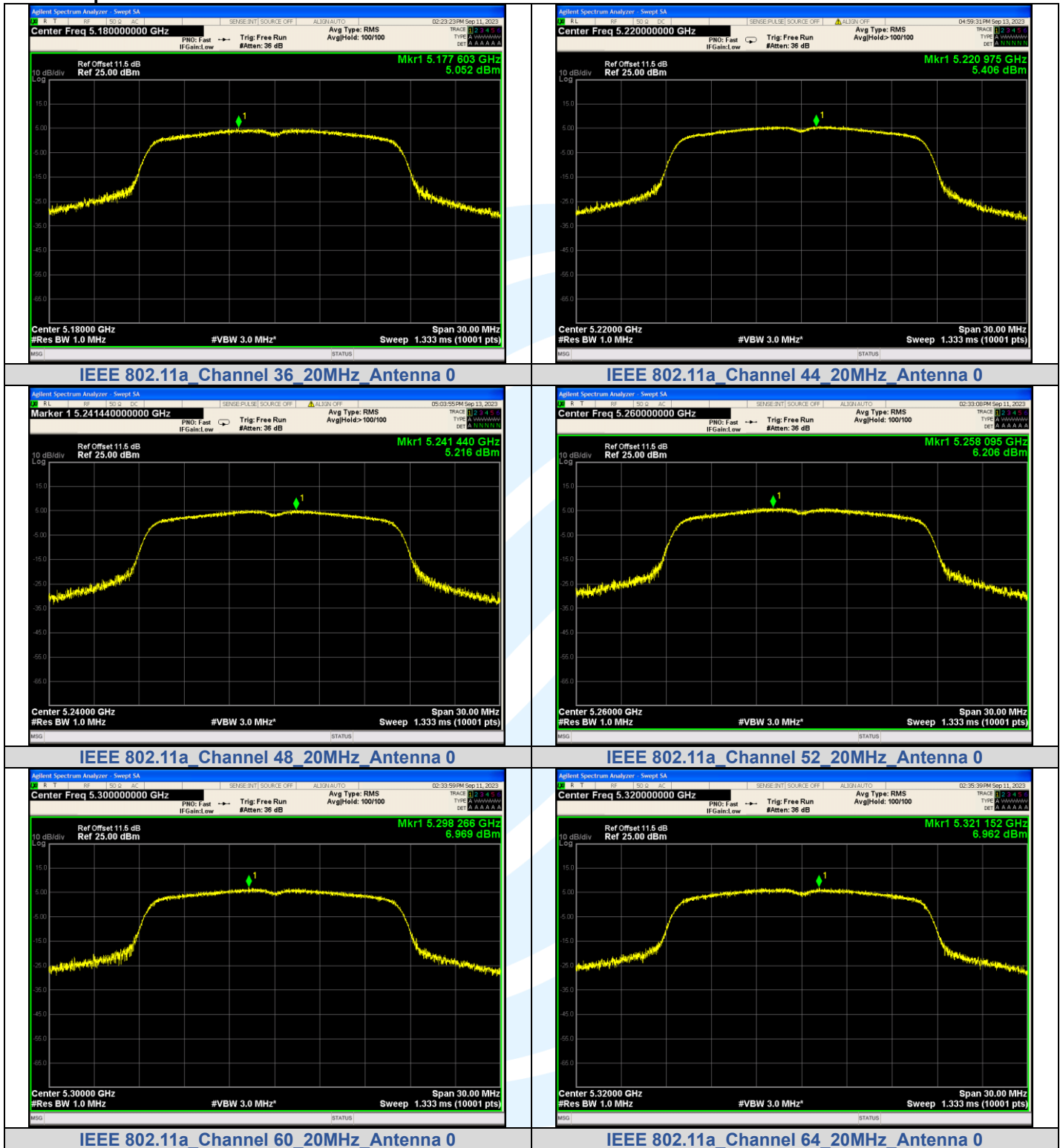


### A.3 PEAK POWER SPECTRAL DENSITY

For U-NII-1, U-NII-2A, U-NII-2C band

| Mode             | Channel | Ant. 0<br>Meas PSD<br>(dBm/MHz or<br>dBm/0.5MHz) | Ant. 0<br>Corr'd PSD<br>(dBm/MHz or<br>dBm/0.5MHz) | Limit<br>(dBm/MHz or<br>dBm/0.5MHz) | Result |
|------------------|---------|--------------------------------------------------|----------------------------------------------------|-------------------------------------|--------|
| IEEE 802.11a     | 36      | 5.052                                            | 5.392                                              | 11                                  | PASS   |
|                  | 44      | 5.406                                            | 5.746                                              |                                     | PASS   |
|                  | 48      | 5.216                                            | 5.556                                              |                                     | PASS   |
|                  | 52      | 6.206                                            | 6.546                                              |                                     | PASS   |
|                  | 60      | 6.969                                            | 7.309                                              |                                     | PASS   |
|                  | 64      | 6.962                                            | 7.302                                              |                                     | PASS   |
|                  | 100     | 5.819                                            | 6.159                                              |                                     | PASS   |
|                  | 120     | 5.979                                            | 6.319                                              |                                     | PASS   |
|                  | 140     | 6.999                                            | 7.339                                              |                                     | PASS   |
| IEEE 802.11n_20  | 36      | 3.366                                            | 3.776                                              |                                     | PASS   |
|                  | 44      | 4.178                                            | 4.588                                              |                                     | PASS   |
|                  | 48      | 4.730                                            | 5.14                                               |                                     | PASS   |
|                  | 52      | 5.310                                            | 5.72                                               |                                     | PASS   |
|                  | 60      | 5.541                                            | 5.951                                              |                                     | PASS   |
|                  | 64      | 5.596                                            | 6.006                                              |                                     | PASS   |
|                  | 100     | 4.061                                            | 4.471                                              |                                     | PASS   |
|                  | 120     | 4.110                                            | 4.52                                               |                                     | PASS   |
|                  | 140     | 5.227                                            | 5.637                                              |                                     | PASS   |
| IEEE 802.11n_40  | 38      | -0.306                                           | -0.136                                             |                                     | PASS   |
|                  | 46      | 1.002                                            | 1.172                                              |                                     | PASS   |
|                  | 54      | 1.611                                            | 1.781                                              |                                     | PASS   |
|                  | 62      | 2.267                                            | 2.437                                              |                                     | PASS   |
|                  | 102     | 0.484                                            | 0.654                                              |                                     | PASS   |
|                  | 118     | 2.350                                            | 2.52                                               |                                     | PASS   |
|                  | 134     | 2.513                                            | 2.683                                              |                                     | PASS   |
| IEEE 802.11ac_20 | 36      | 3.353                                            | 3.353                                              |                                     | PASS   |
|                  | 44      | 4.529                                            | 4.529                                              |                                     | PASS   |
|                  | 48      | 5.011                                            | 5.011                                              |                                     | PASS   |
|                  | 52      | 5.181                                            | 5.181                                              |                                     | PASS   |
|                  | 60      | 5.420                                            | 5.420                                              |                                     | PASS   |
|                  | 64      | 5.577                                            | 5.577                                              |                                     | PASS   |
|                  | 100     | 4.835                                            | 4.835                                              |                                     | PASS   |
|                  | 120     | 4.502                                            | 4.502                                              |                                     | PASS   |
|                  | 140     | 5.555                                            | 5.555                                              |                                     | PASS   |
| IEEE 802.11ac_40 | 38      | -0.083                                           | 0.177                                              |                                     | PASS   |
|                  | 46      | 0.954                                            | 1.214                                              |                                     | PASS   |
|                  | 54      | 1.760                                            | 2.02                                               |                                     | PASS   |
|                  | 62      | 1.953                                            | 2.213                                              |                                     | PASS   |
|                  | 102     | 0.271                                            | 0.531                                              |                                     | PASS   |
|                  | 118     | 1.398                                            | 1.658                                              |                                     | PASS   |
|                  | 134     | 1.796                                            | 2.056                                              |                                     | PASS   |
| IEEE 802.11ac_80 | 42      | -6.071                                           | -5.731                                             |                                     | PASS   |
|                  | 58      | -4.312                                           | -3.972                                             |                                     | PASS   |
|                  | 106     | -5.433                                           | -5.093                                             |                                     | PASS   |
|                  | 122     | -4.720                                           | -4.38                                              |                                     | PASS   |

## Test Graphs



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

Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

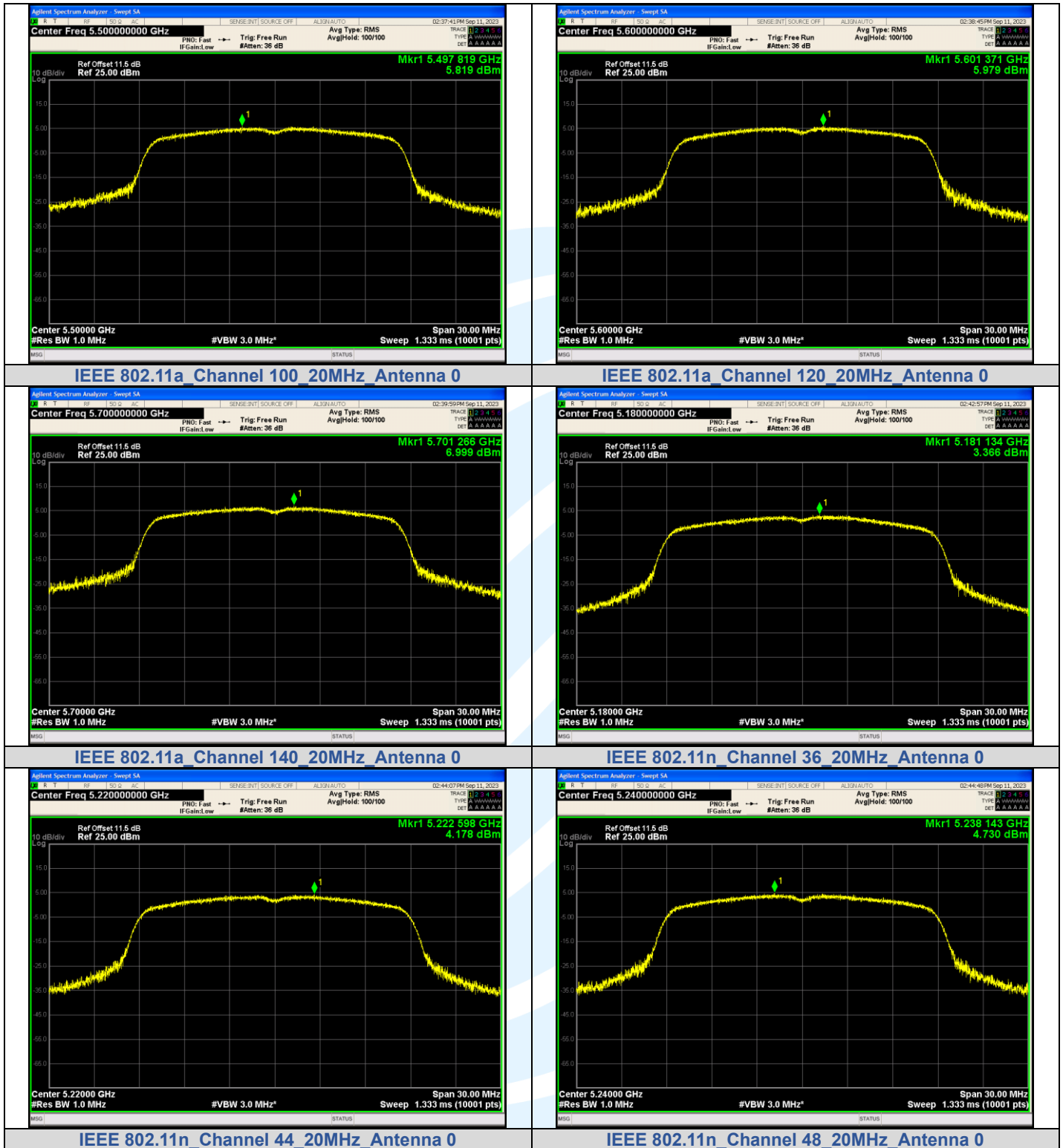
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Fax: +86-755-28230886

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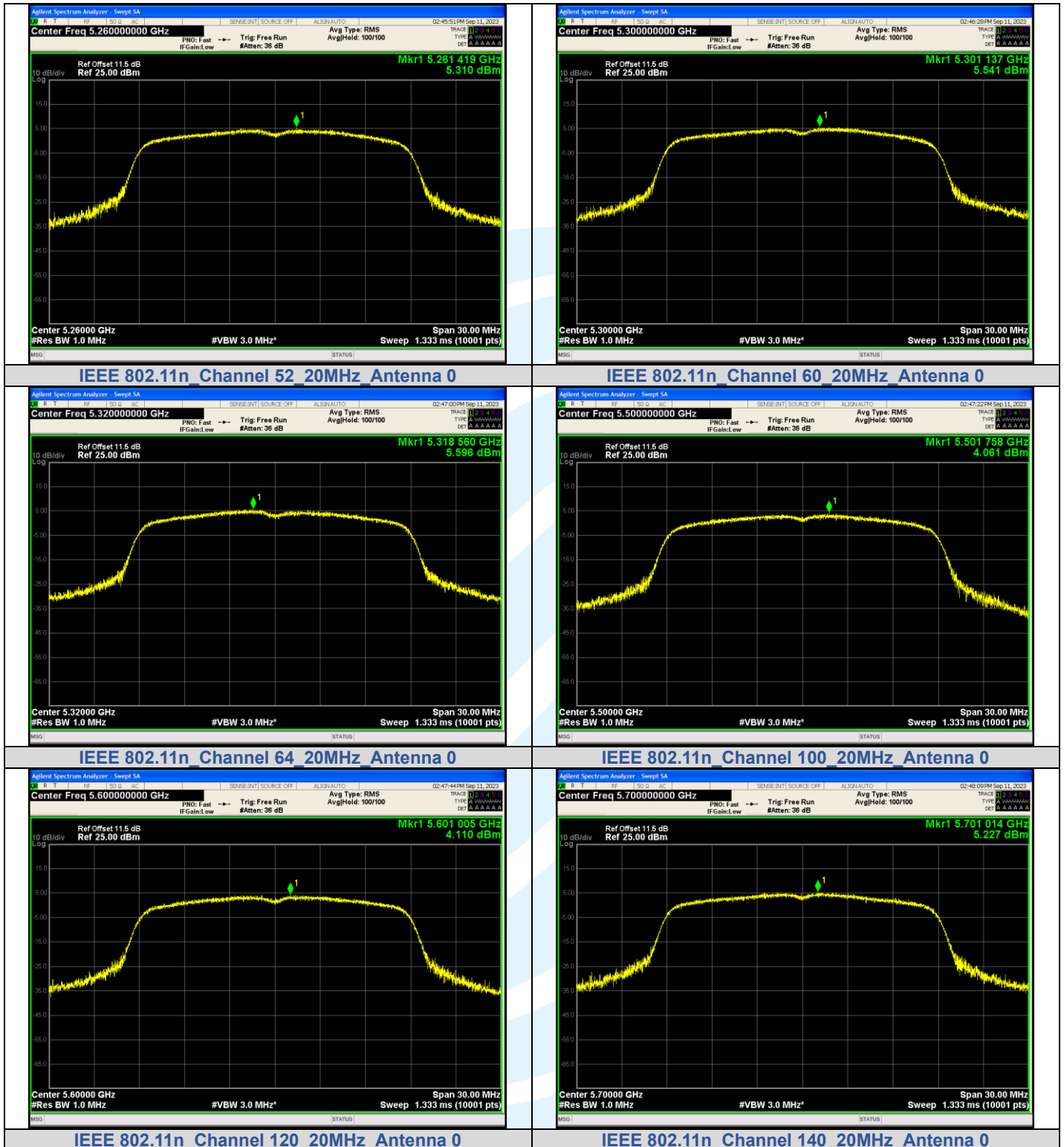
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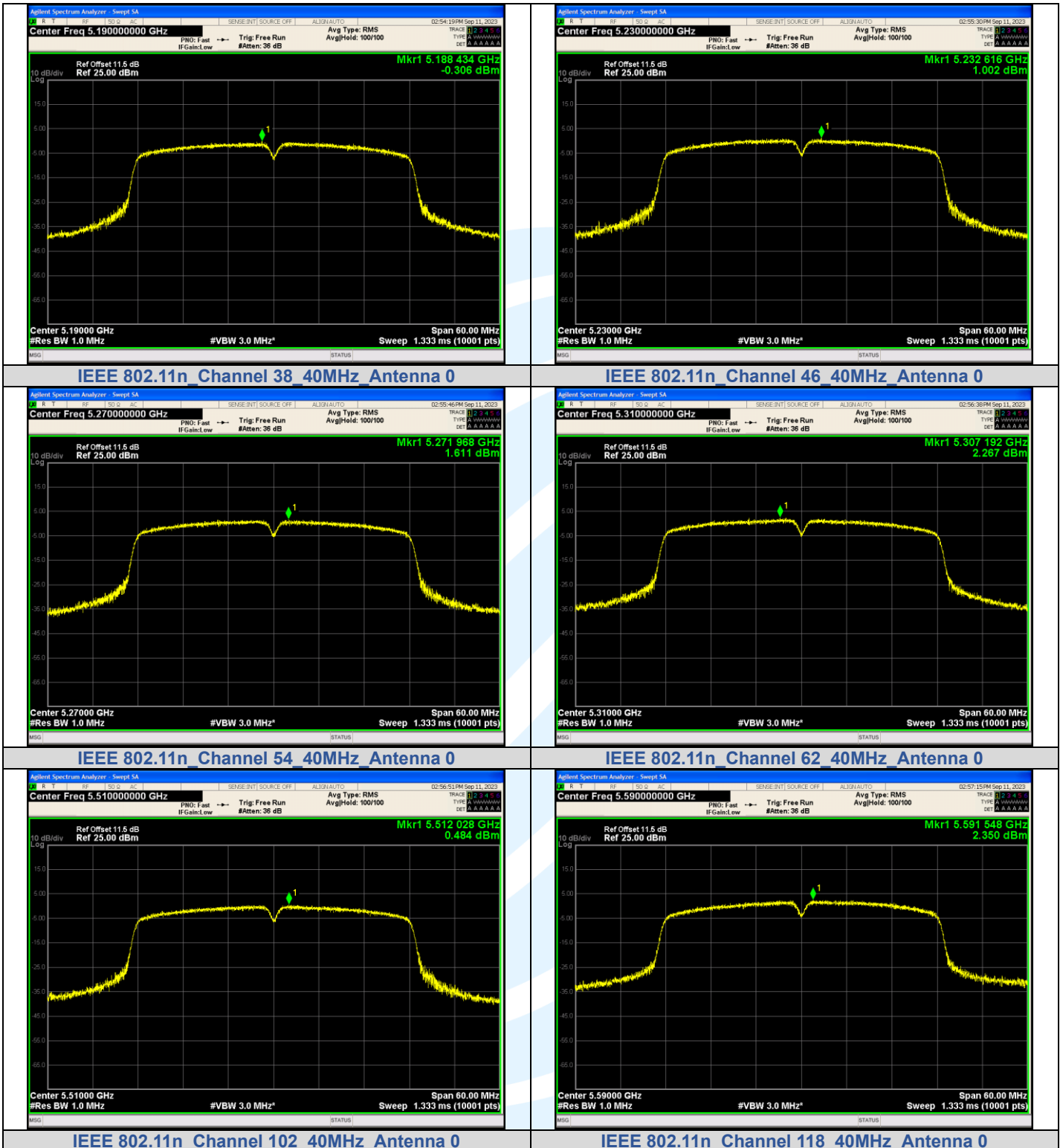
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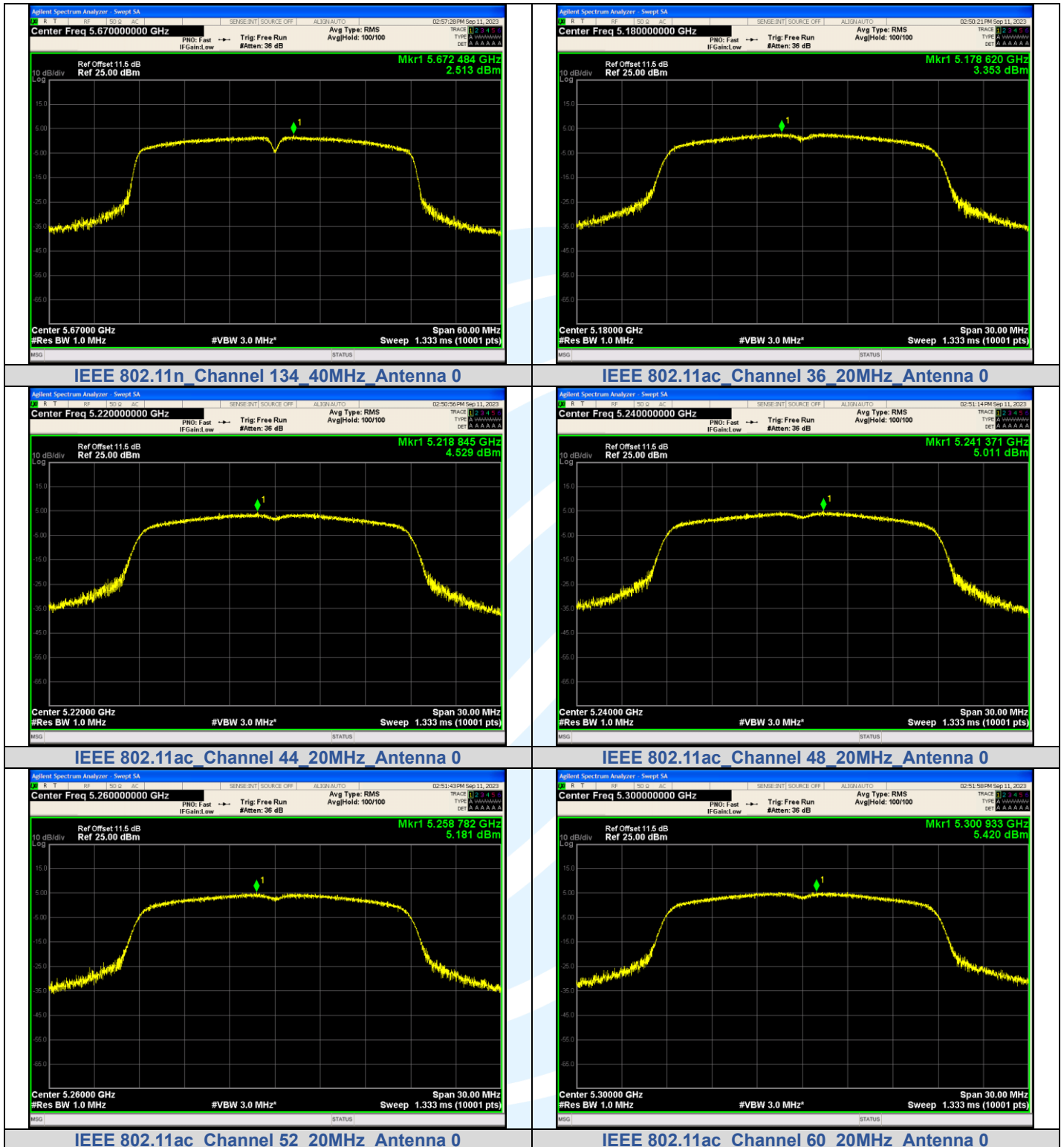
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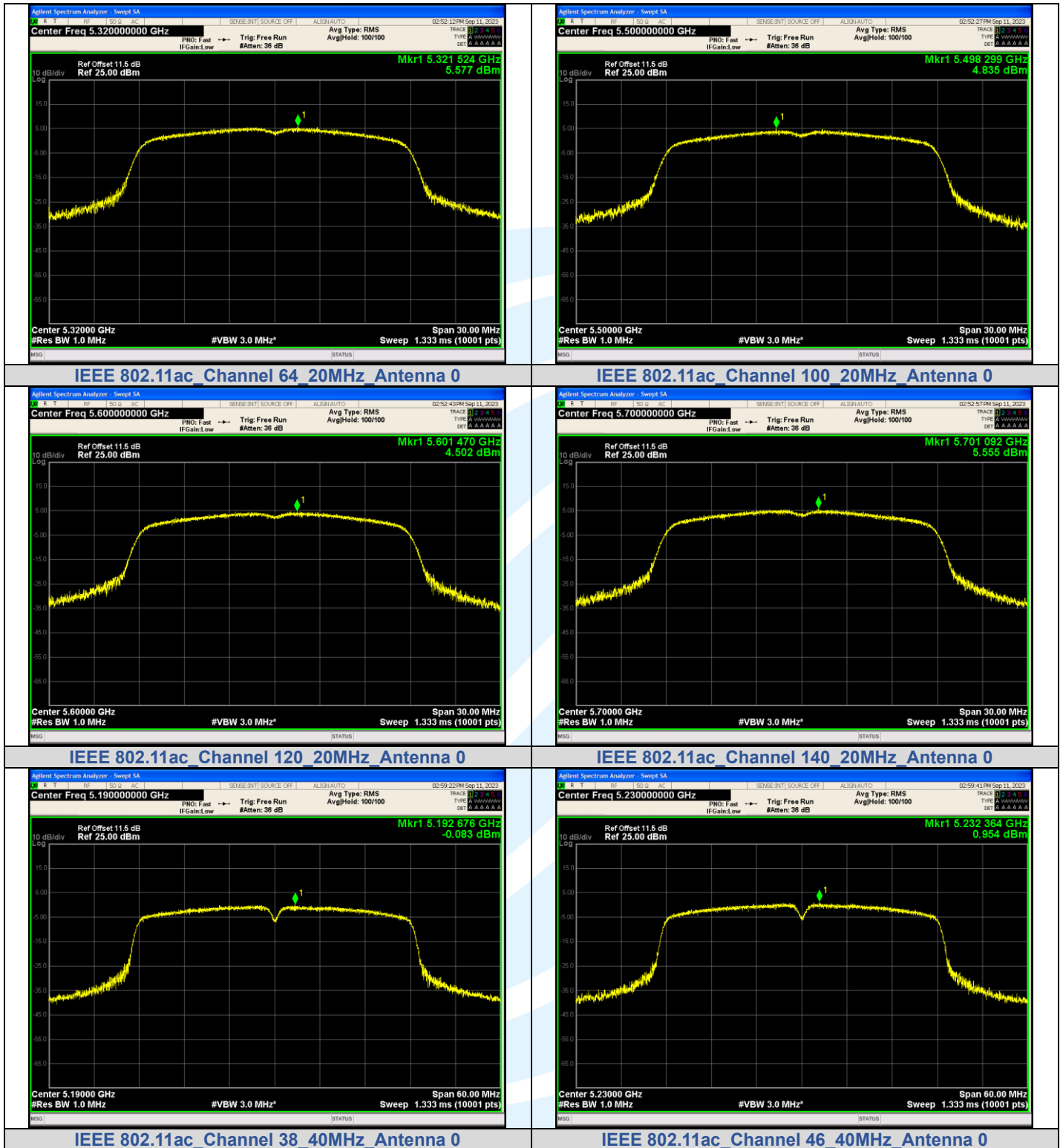
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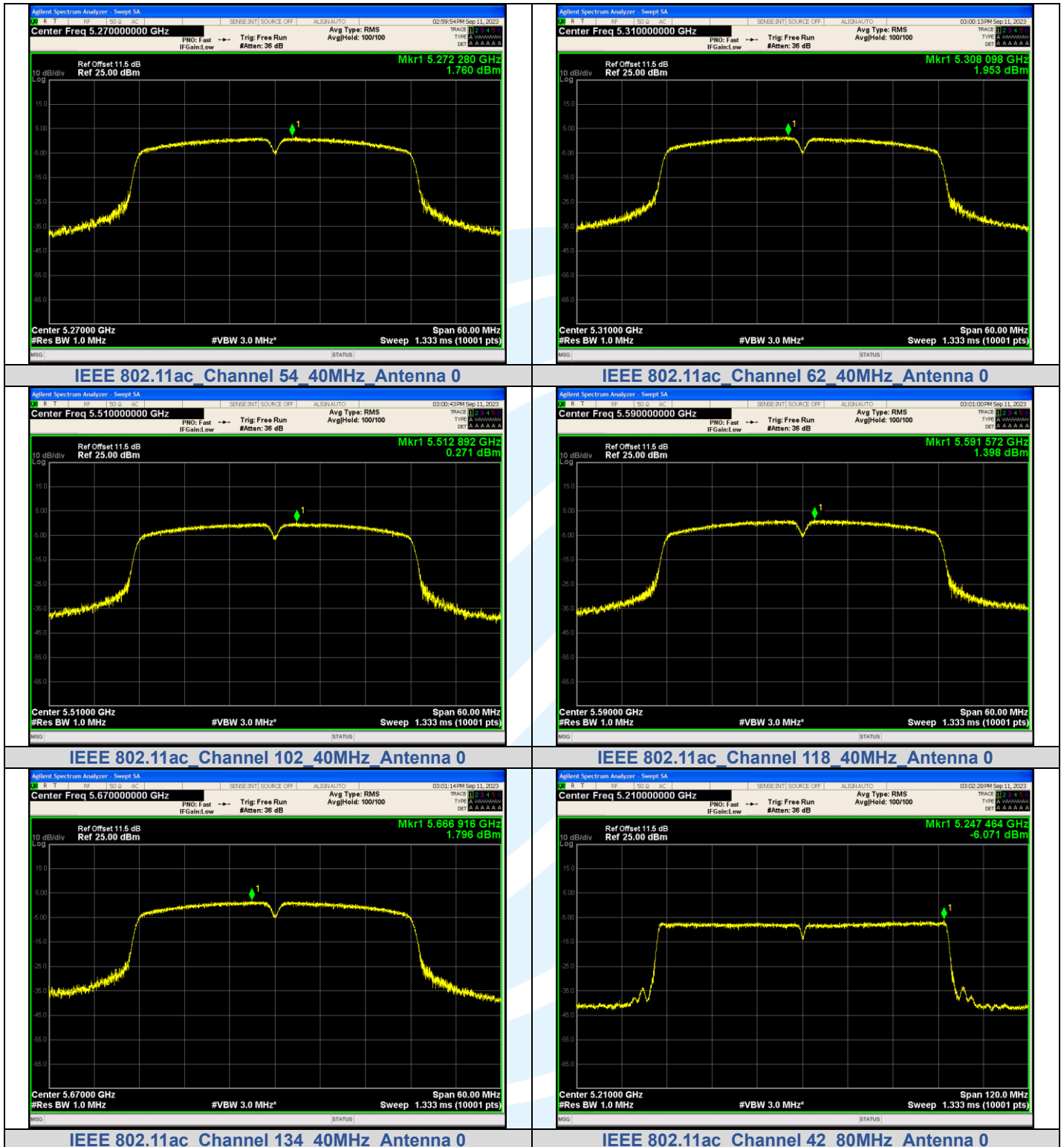
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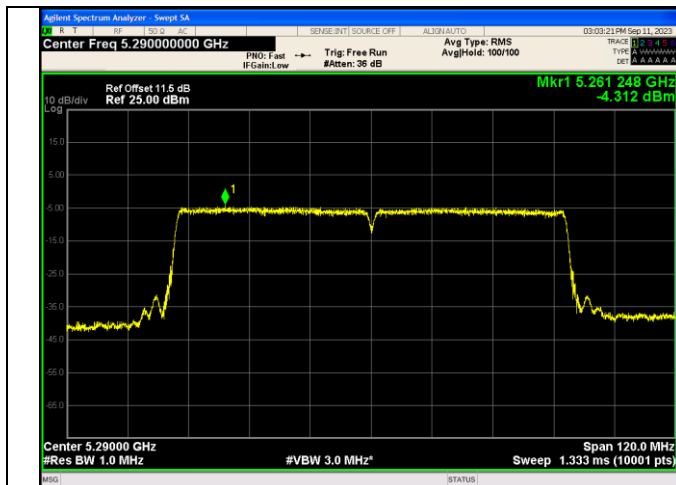
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Fax: +86-755-28230886

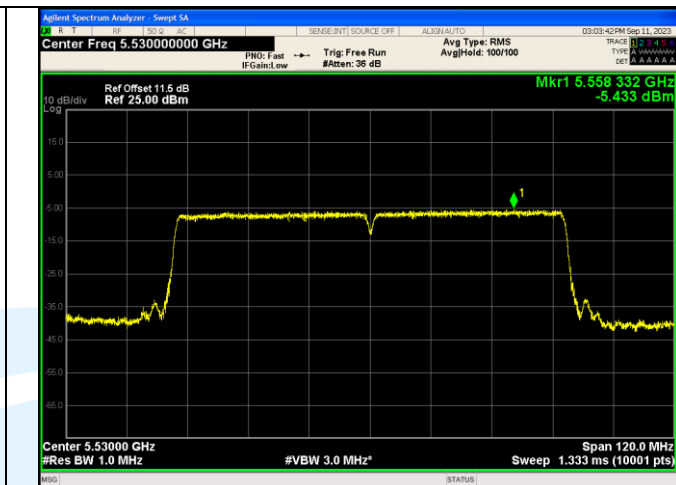
E-mail: [info@uttlab.com](mailto:info@uttlab.com)

<http://www.uttlab.com>

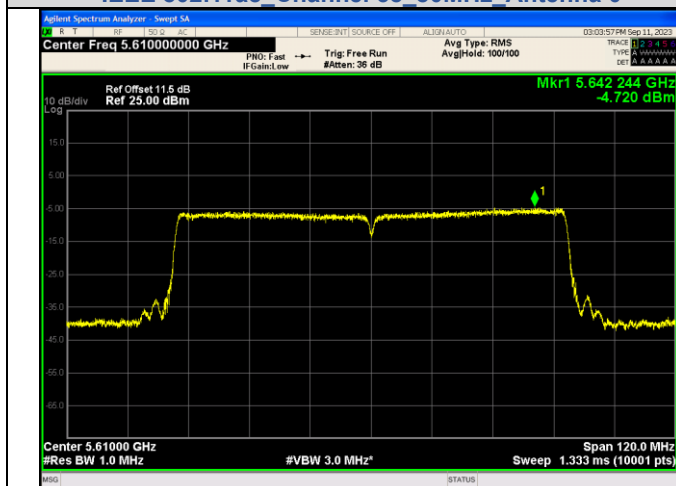
UTTR-RF-FCCPART15.407-V1.2



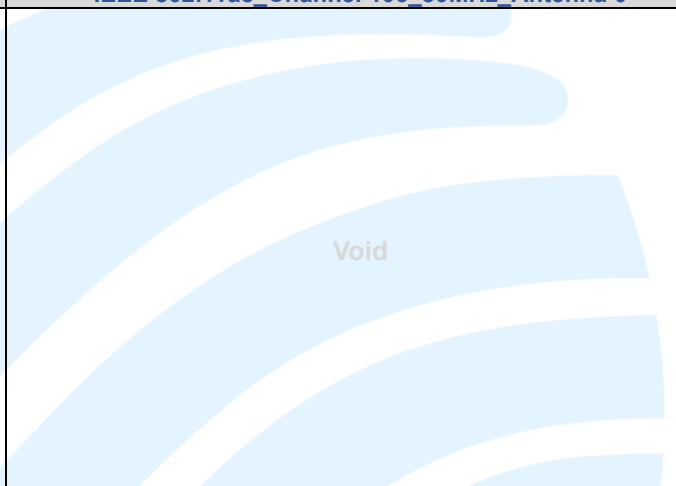
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IEEE 802.11ac\_Channel 106\_80MHz\_Antenna 0



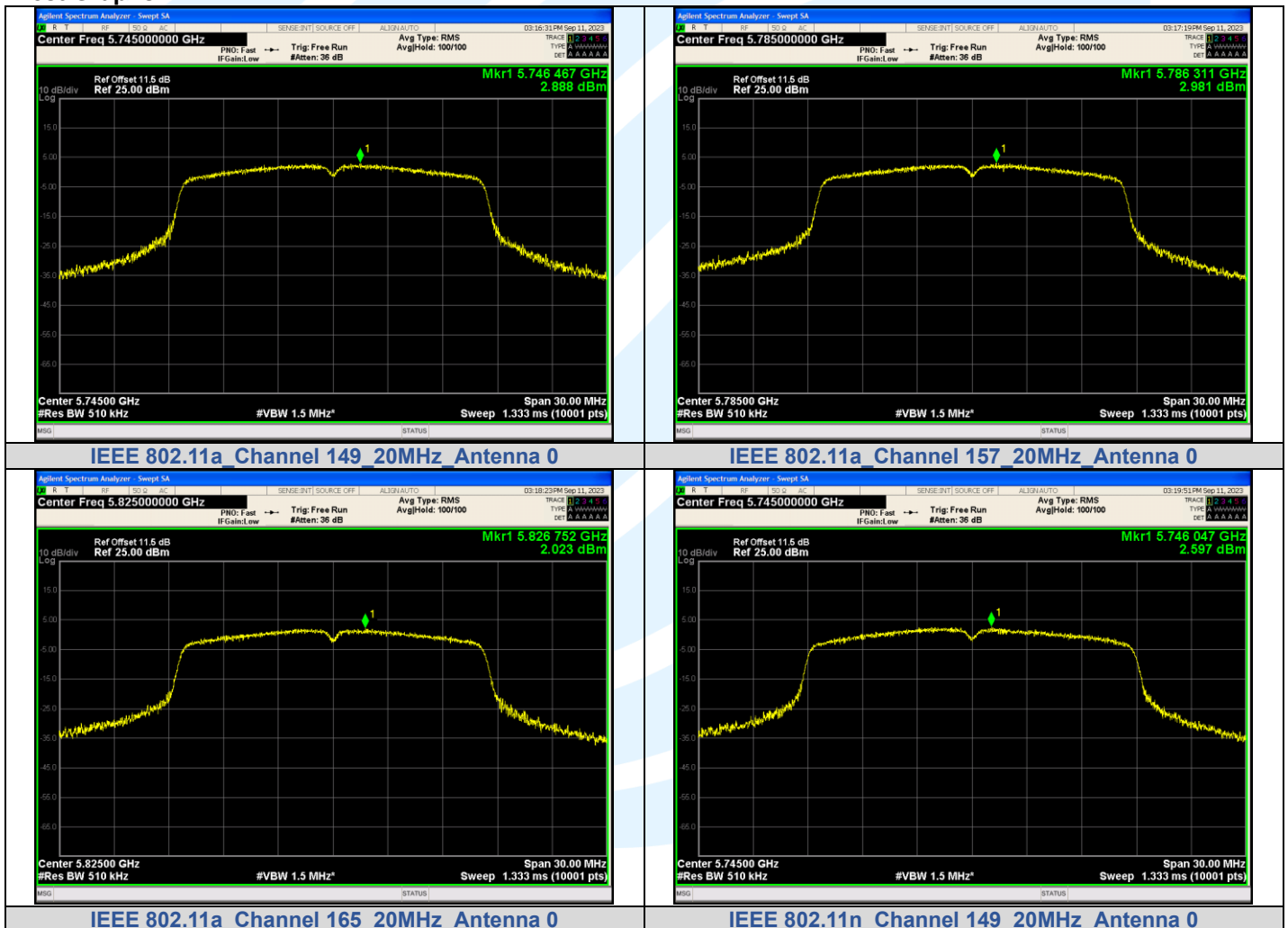
IEEE 802.11ac\_Channel 122\_80MHz\_Antenna 0



## For U-NII-3 band

| Mode             | Channel | Ant. 0<br>Meas PSD<br>(dBm/MHz or<br>dBm/0.5MHz) | Ant. 0<br>Corr'd PSD<br>(dBm/MHz or<br>dBm/0.5MHz) | Limit<br>(dBm/MHz or<br>dBm/0.5MHz) | Result |
|------------------|---------|--------------------------------------------------|----------------------------------------------------|-------------------------------------|--------|
| IEEE 802.11a     | 149     | 2.888                                            | 3.228                                              | 11                                  | PASS   |
|                  | 157     | 2.981                                            | 3.321                                              |                                     | PASS   |
|                  | 165     | 2.023                                            | 2.363                                              |                                     | PASS   |
| IEEE 802.11n_20  | 149     | 2.597                                            | 3.007                                              |                                     | PASS   |
|                  | 157     | 0.898                                            | 1.308                                              |                                     | PASS   |
|                  | 165     | 0.970                                            | 1.38                                               |                                     | PASS   |
| IEEE 802.11n_40  | 151     | -0.420                                           | -0.25                                              |                                     | PASS   |
|                  | 159     | -2.497                                           | -2.327                                             |                                     | PASS   |
| IEEE 802.11ac_20 | 149     | 2.130                                            | 2.130                                              |                                     | PASS   |
|                  | 157     | 1.420                                            | 1.420                                              |                                     | PASS   |
|                  | 165     | 1.855                                            | 1.855                                              |                                     | PASS   |
| IEEE 802.11ac_40 | 151     | -1.934                                           | -1.674                                             |                                     | PASS   |
|                  | 159     | -2.882                                           | -2.622                                             |                                     | PASS   |
| IEEE 802.11ac_80 | 155     | -8.382                                           | -8.042                                             |                                     | PASS   |

## Test Graphs



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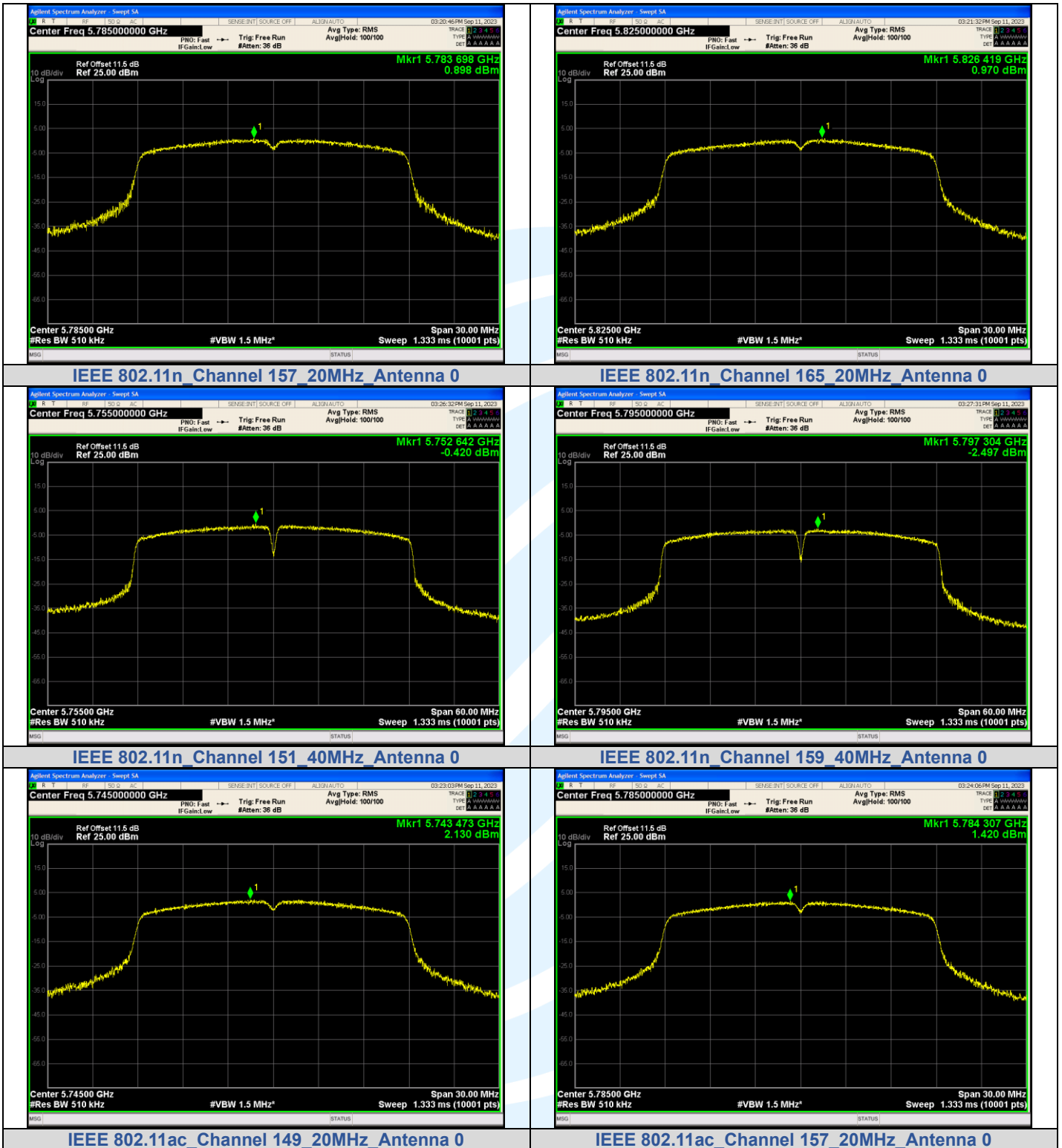
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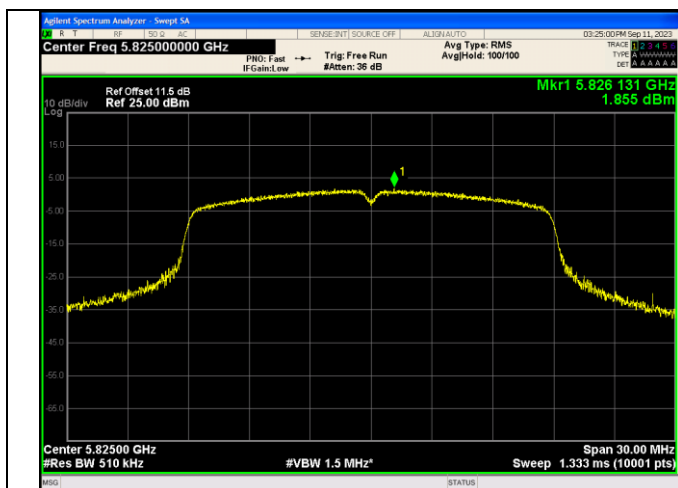
Tel: +86-755-28230888

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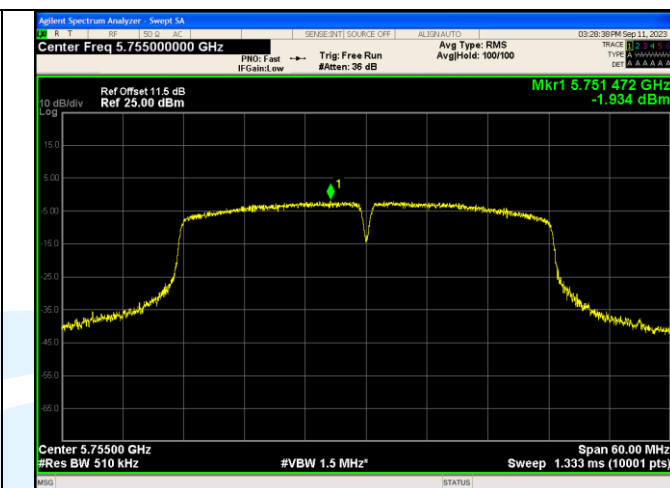
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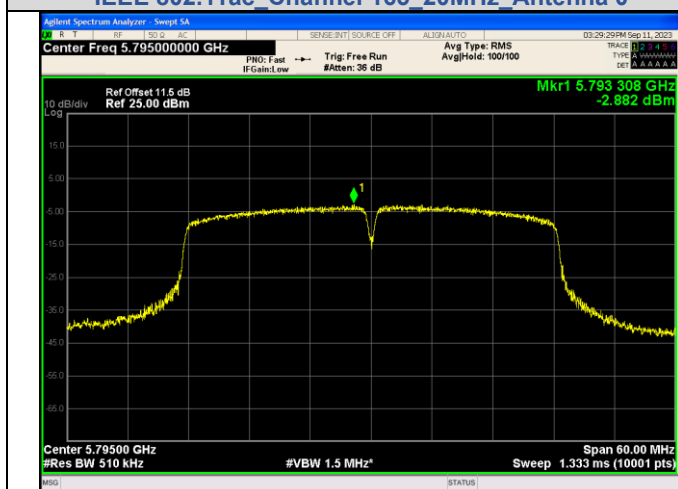
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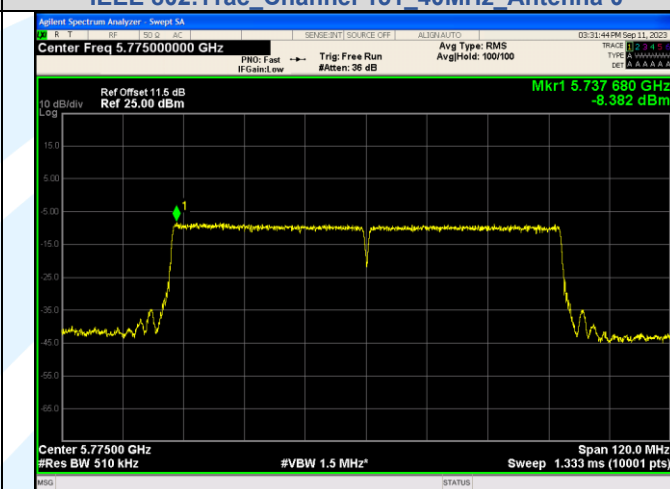
IEEE 802.11ac Channel 165 20MHz Antenna 0



IEEE 802.11ac Channel 151 40MHz Antenna 0



IEEE 802.11ac Channel 159 40MHz Antenna 0



IEEE 802.11ac Channel 155 80MHz Antenna 0