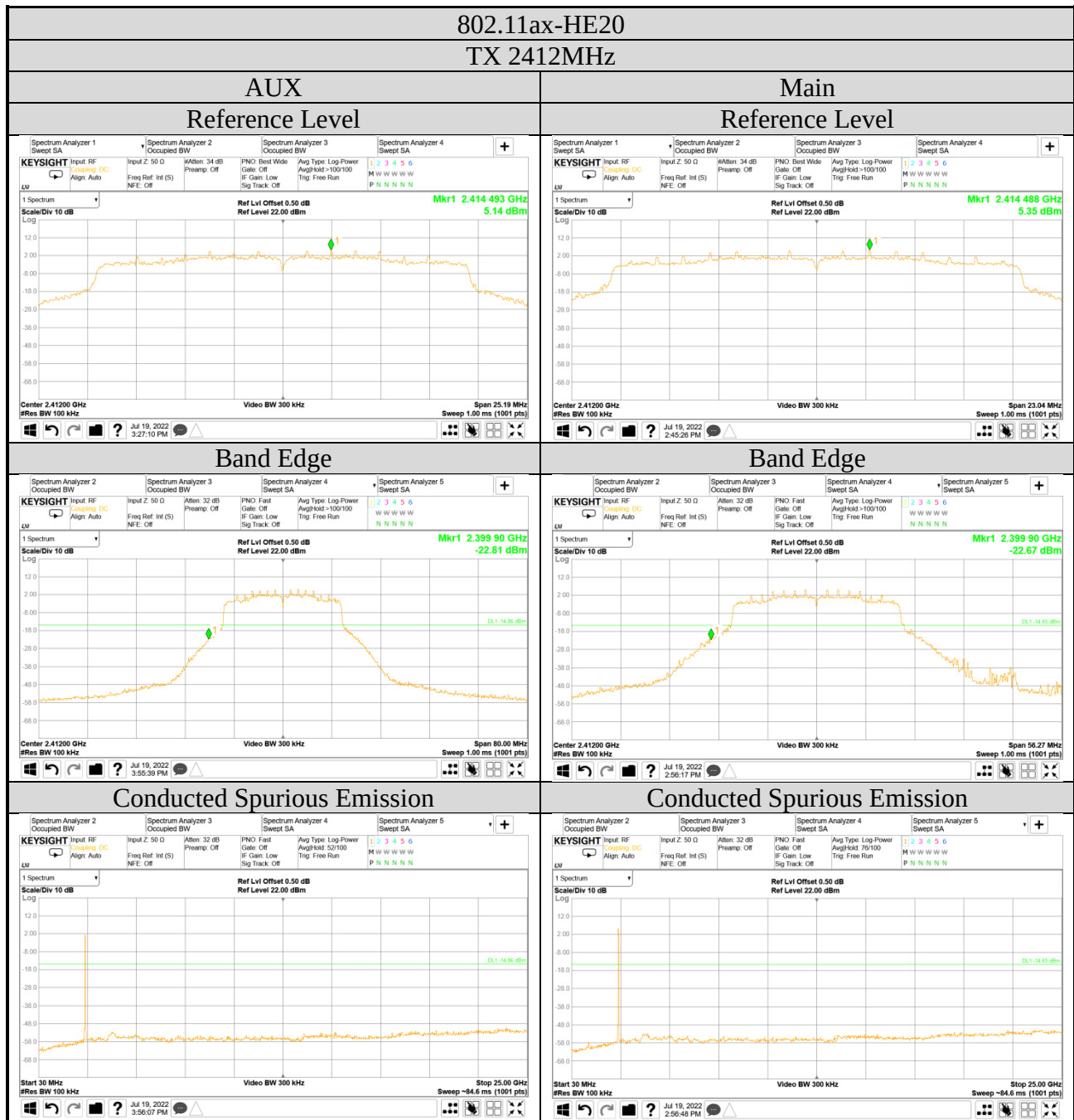


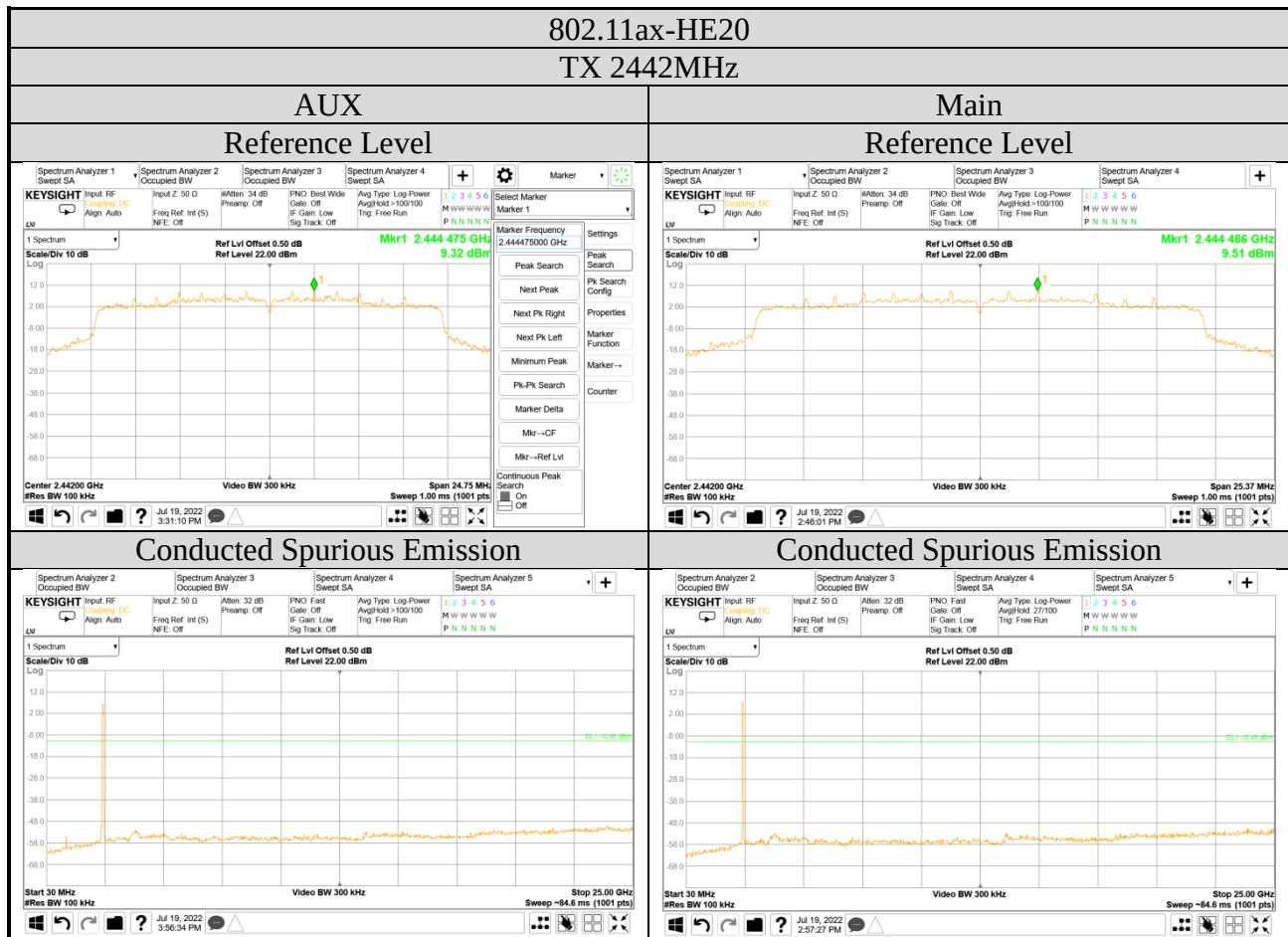
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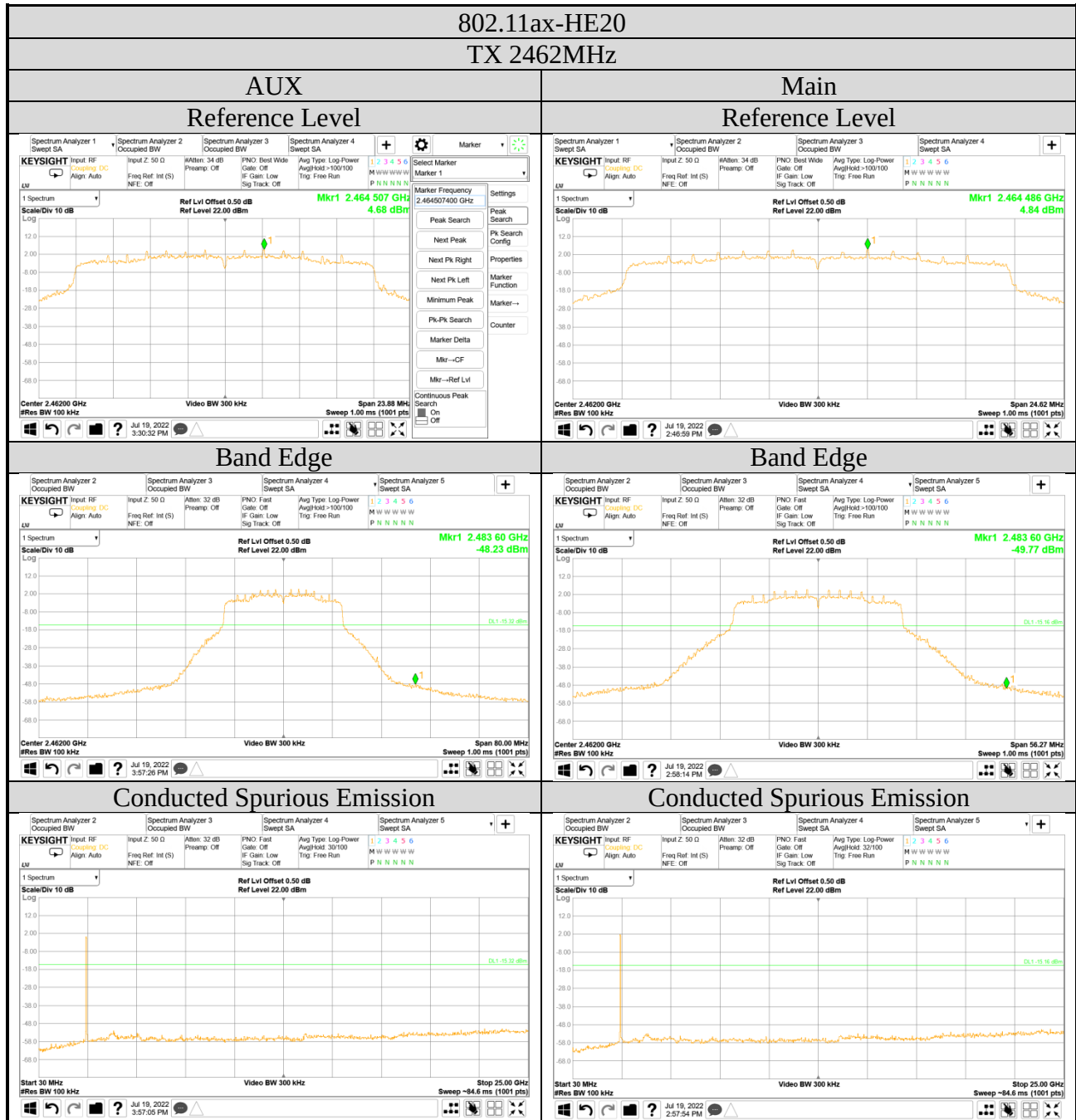
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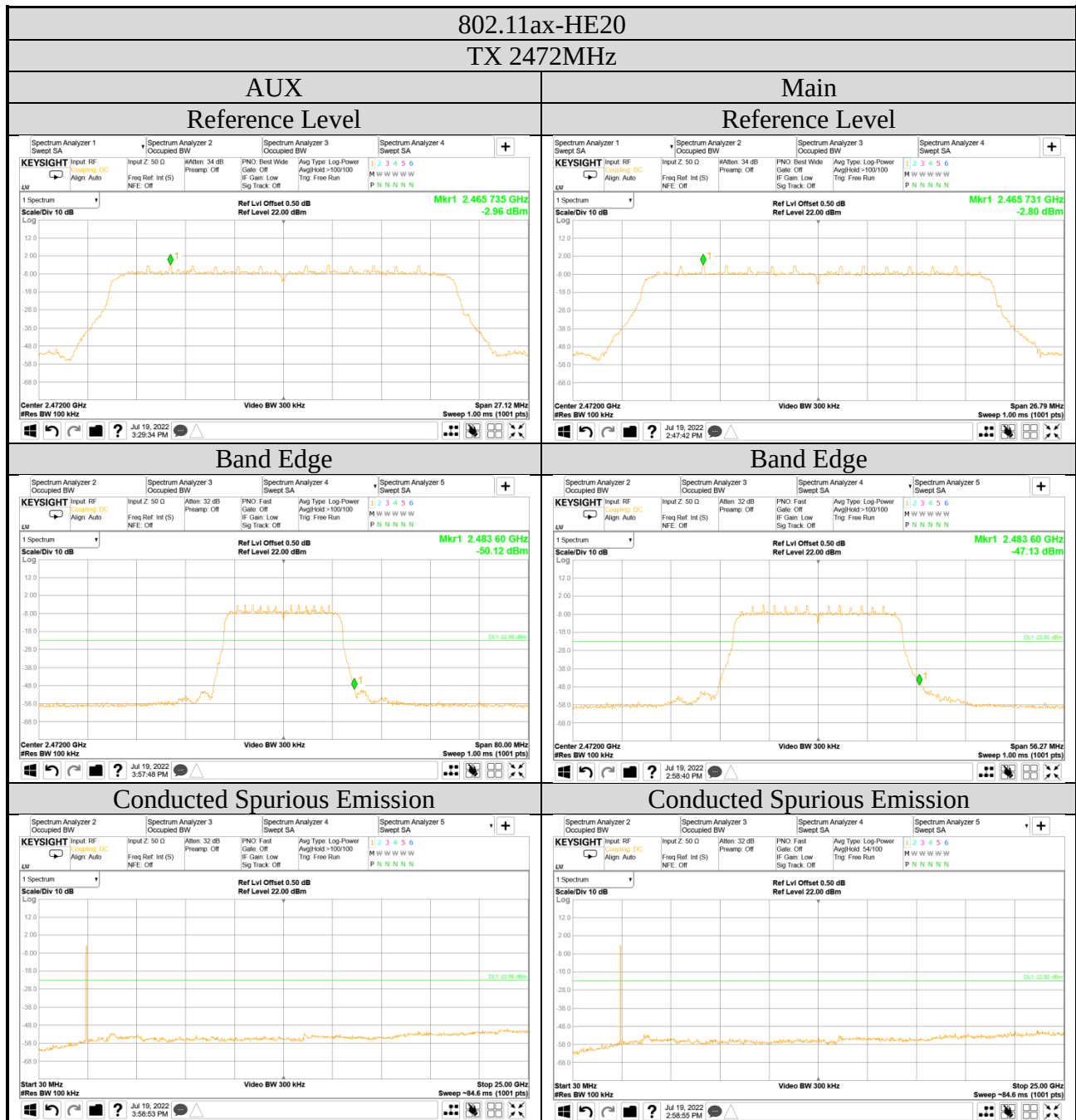
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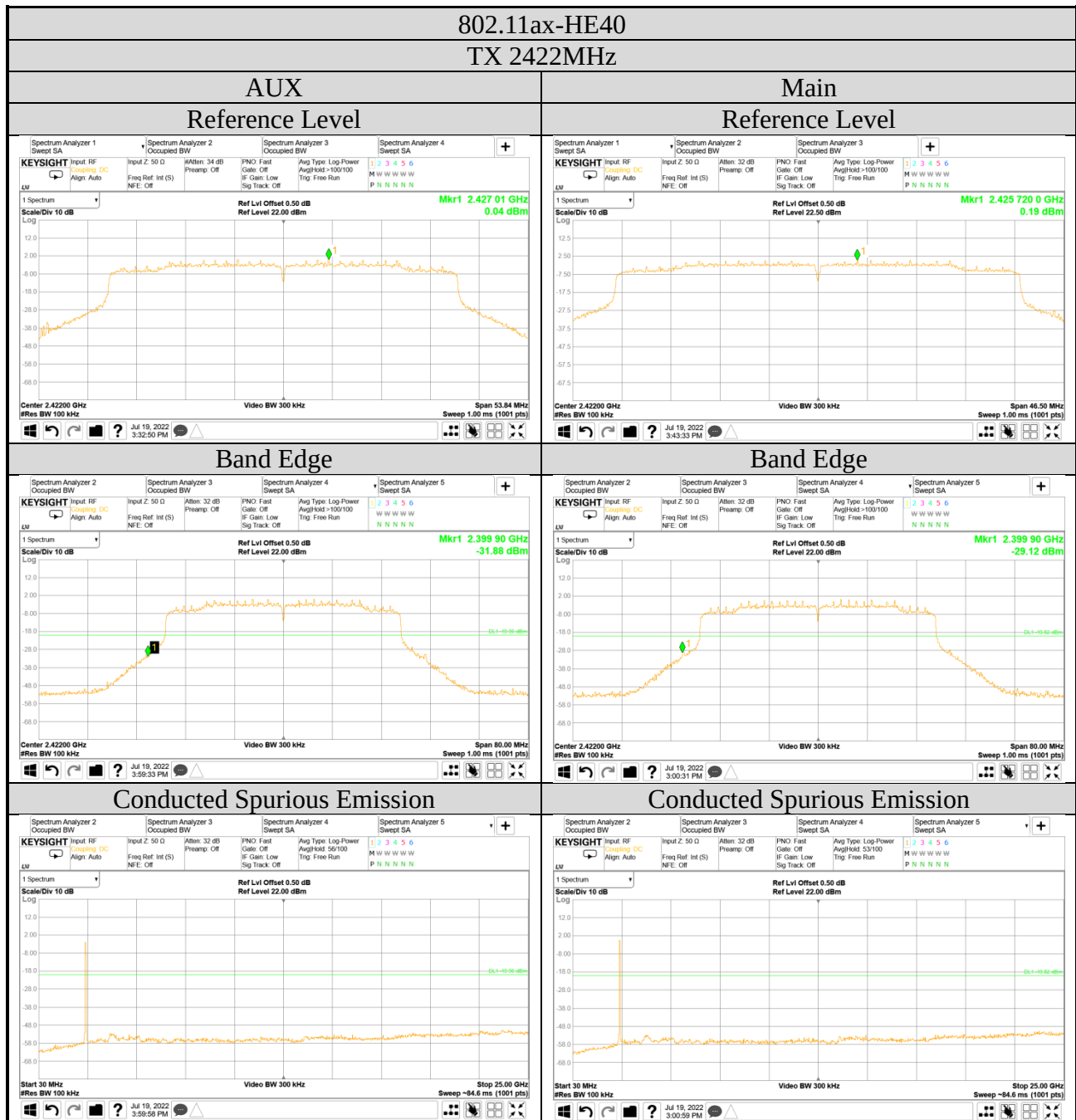
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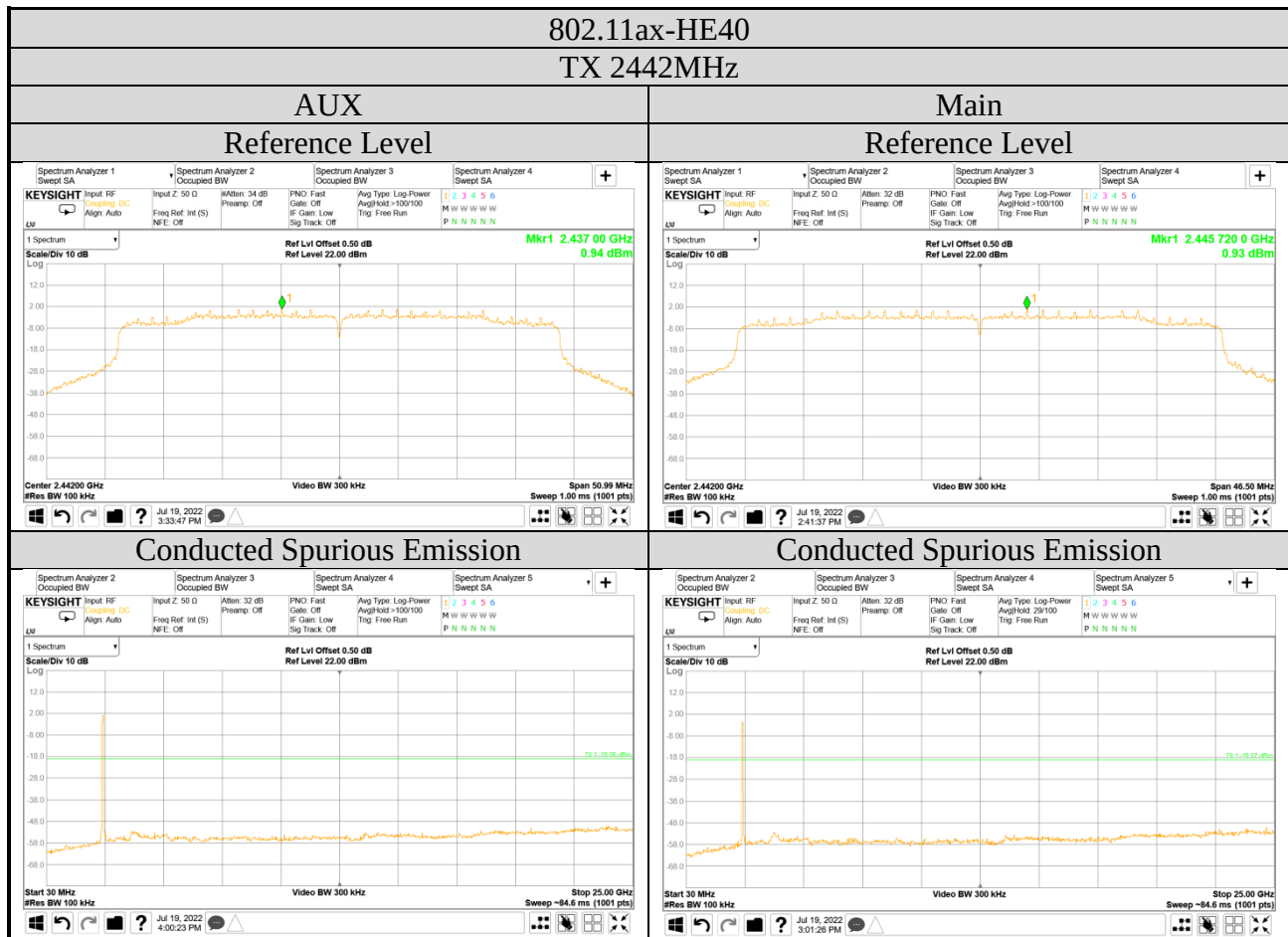
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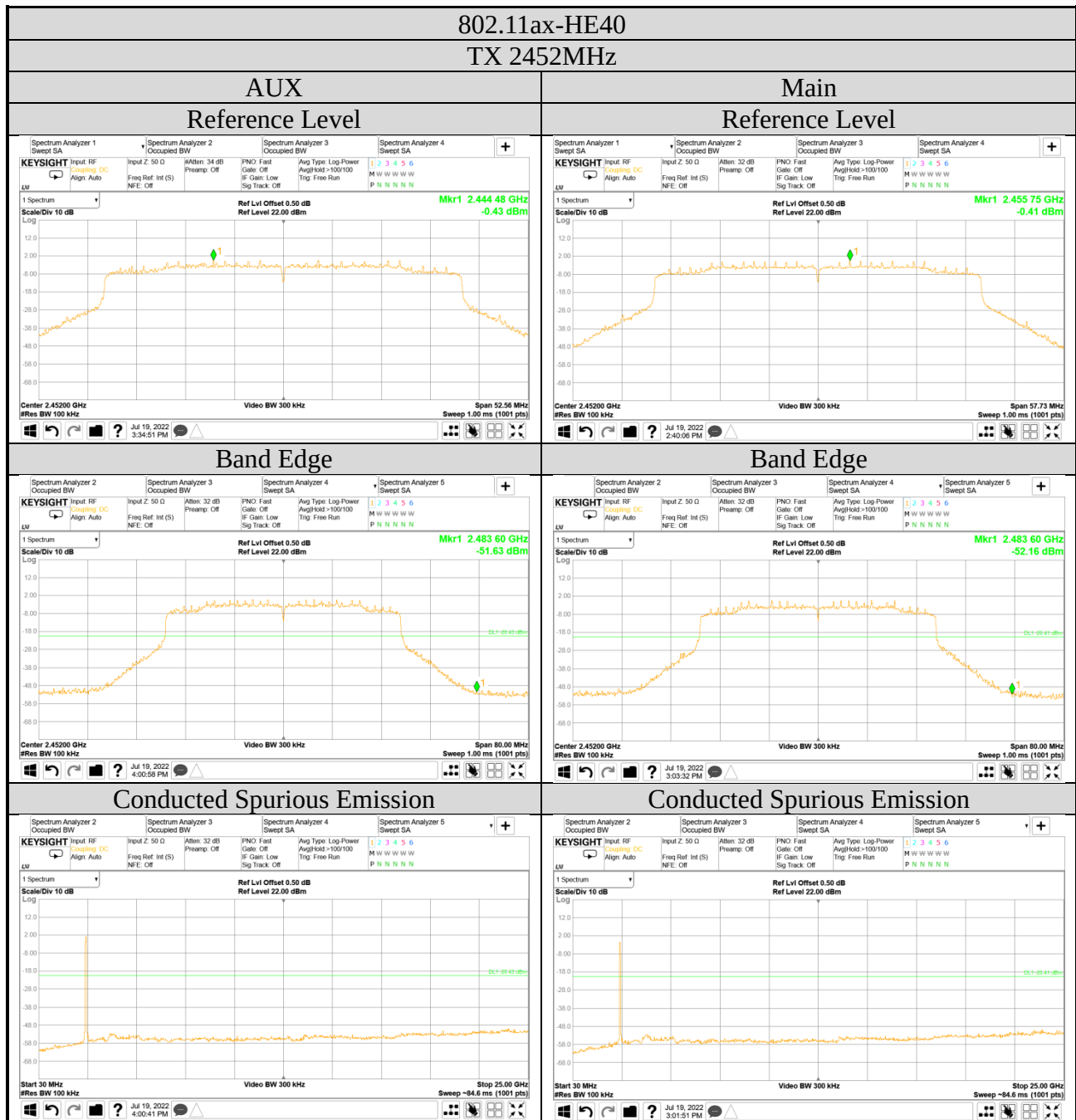
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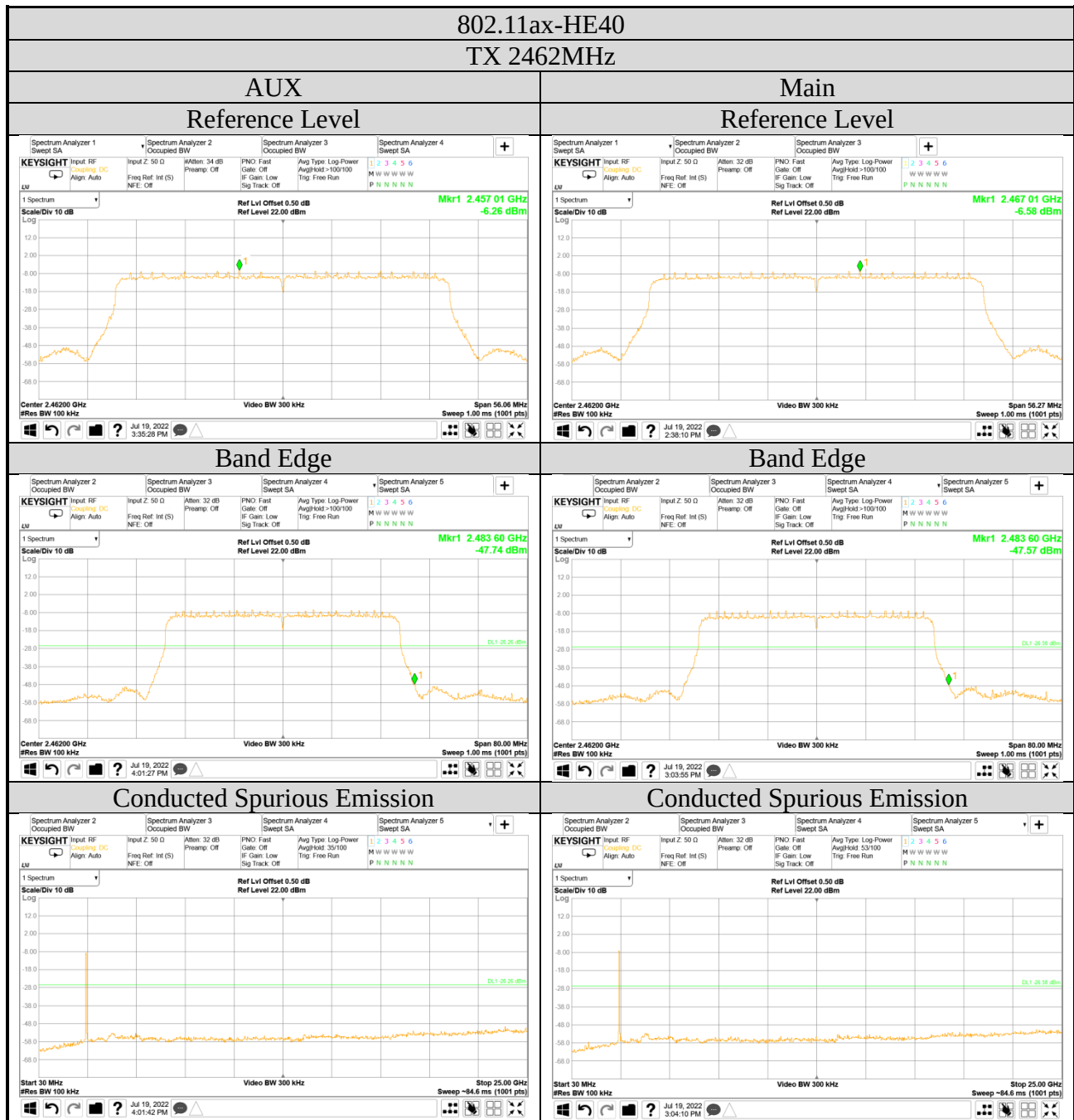
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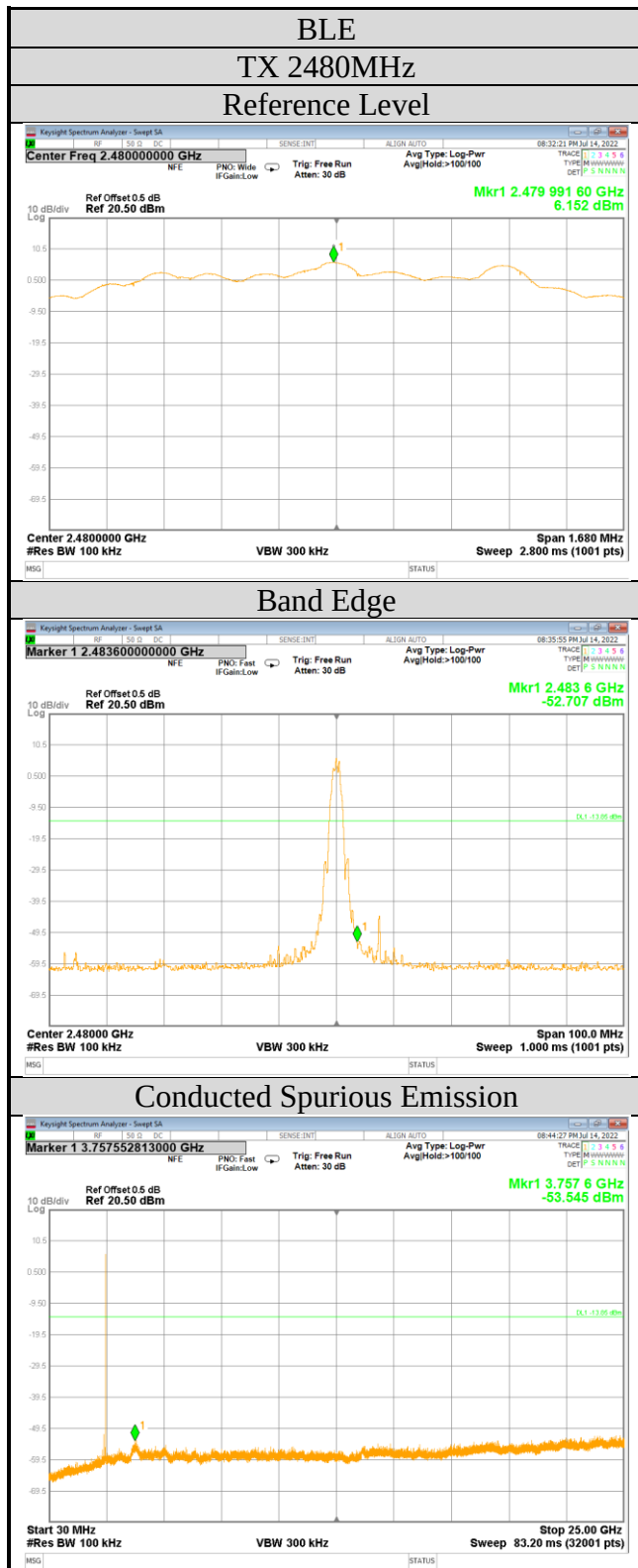
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## A.6 POWER SPECTRAL DENSITY

|              |                                |            |                |
|--------------|--------------------------------|------------|----------------|
| Test Date    | 2022/07/15 ~20                 | Temp./Hum. | 24~26°C/47~50% |
| Cable Loss   | 0.50dB                         | Tested By  | Kuper Hsu      |
| Test Voltage | AC 120V, 60Hz (via AC Adapter) |            |                |

### A.6.1 Power Spectral Density Result

| Mode    | Centre Frequency (MHz) | Power Spectral Density (dBm) |         | MAX. Power Spectral Density (dBm)<br><small>Note 2</small> | Limit       |
|---------|------------------------|------------------------------|---------|------------------------------------------------------------|-------------|
|         |                        | AUX                          | Main    |                                                            |             |
| 802.11b | 2412                   | -2.115                       | -2.310  | -2.115                                                     | <8 dBm/3kHz |
|         | 2442                   | -2.181                       | -2.450  | -2.181                                                     |             |
|         | 2462                   | -1.937                       | -2.310  | -1.937                                                     |             |
|         | 2472                   | -5.262                       | -6.580  | -5.262                                                     |             |
| 802.11g | 2412                   | -5.944                       | -6.410  | -5.944                                                     |             |
|         | 2442                   | -2.656                       | -3.900  | -2.656                                                     |             |
|         | 2462                   | -6.178                       | -5.550  | -5.550                                                     |             |
|         | 2472                   | -11.582                      | -12.550 | -11.582                                                    |             |

Note: 1. All results have been included cable loss.

2. MAX. Power Spectral Density (dBm) = Max of each Power Spectral Density (dBm).

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| Mode          | Centre Frequency (MHz) | Power Spectral Density (dBm) |         | Total Power Spectral Density (dBm)<br><small>Note 2</small> | Limit       |
|---------------|------------------------|------------------------------|---------|-------------------------------------------------------------|-------------|
|               |                        | AUX                          | Main    |                                                             |             |
| 802.11n-HT20  | 2412                   | -6.991                       | -8.800  | -4.792                                                      | <8 dBm/3kHz |
|               | 2442                   | -3.415                       | -5.310  | -1.250                                                      |             |
|               | 2462                   | -7.788                       | -9.390  | -5.505                                                      |             |
|               | 2472                   | -15.569                      | -17.680 | -13.487                                                     |             |
| 802.11n-HT40  | 2422                   | -12.164                      | -11.270 | -8.684                                                      |             |
|               | 2442                   | -11.135                      | -12.650 | -8.816                                                      |             |
|               | 2452                   | -11.817                      | -13.670 | -9.635                                                      |             |
|               | 2462                   | -18.646                      | -18.300 | -15.459                                                     |             |
| 802.11ax-HE20 | 2412                   | -10.270                      | -9.520  | -6.869                                                      |             |
|               | 2442                   | -4.940                       | -4.810  | -1.864                                                      |             |
|               | 2462                   | -10.040                      | -8.960  | -6.456                                                      |             |
|               | 2472                   | -17.810                      | -17.400 | -14.590                                                     |             |
| 802.11ax-HE40 | 2422                   | -14.140                      | -13.670 | -10.888                                                     |             |
|               | 2442                   | -12.480                      | -13.040 | -9.741                                                      |             |
|               | 2452                   | -14.100                      | -13.580 | -10.822                                                     |             |
|               | 2462                   | -19.790                      | -20.200 | -16.980                                                     |             |

| Mode          | RU Configuration | Centre Frequency (MHz) | Power Spectral Density (dBm) |         | Total Power Spectral Density (dBm)<br><small>Note 2</small> | Limit       |
|---------------|------------------|------------------------|------------------------------|---------|-------------------------------------------------------------|-------------|
|               |                  |                        | AUX                          | Main    |                                                             |             |
| 802.11ax-HE20 | 26/0             | 2412                   | 0.910                        | 0.920   | 3.925                                                       | <8 dBm/3kHz |
|               | 52/37            |                        | -0.190                       | -0.800  | 2.526                                                       |             |
|               | 106/53           |                        | -4.050                       | -4.240  | -1.134                                                      |             |
|               | 26/8             | 2472                   | -11.110                      | -11.090 | -8.090                                                      |             |
|               | 52/40            |                        | -12.280                      | -11.910 | -9.081                                                      |             |
|               | 106/54           |                        | -15.230                      | -15.360 | -12.284                                                     |             |
| 802.11ax-HE40 | 242/61           | 2422                   | -8.760                       | -8.490  | -5.613                                                      |             |
|               | 242/62           | 2462                   | -16.780                      | -17.040 | -13.898                                                     |             |

Note: 1. All results have been included cable loss.

2. According to KDB 662911 D01 E)2)a), Total Power Spectral Density (dBm) = Sum to individual Power Spectral Density (dBm).

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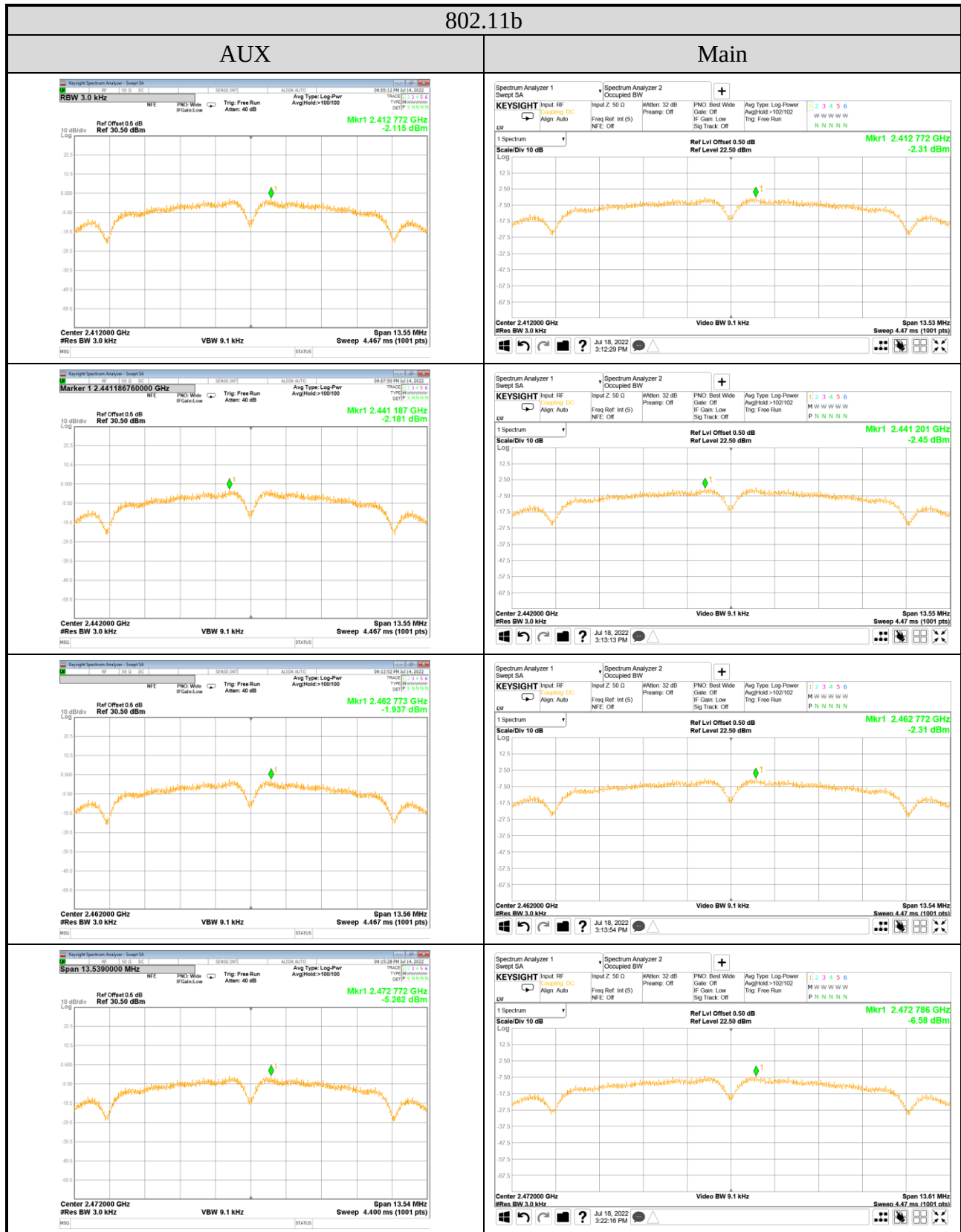
| Mode | Centre Frequency (MHz) | Power Spectral Density (dBm) | Limit       |
|------|------------------------|------------------------------|-------------|
| BLE  | 2402                   | -11.406                      | <8 dBm/3kHz |
|      | 2440                   | -11.424                      |             |
|      | 2480                   | -10.442                      |             |

Note: All results have been included cable loss.

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## A.6.2 Measurement Plots



Note: All results have been included cable loss.



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