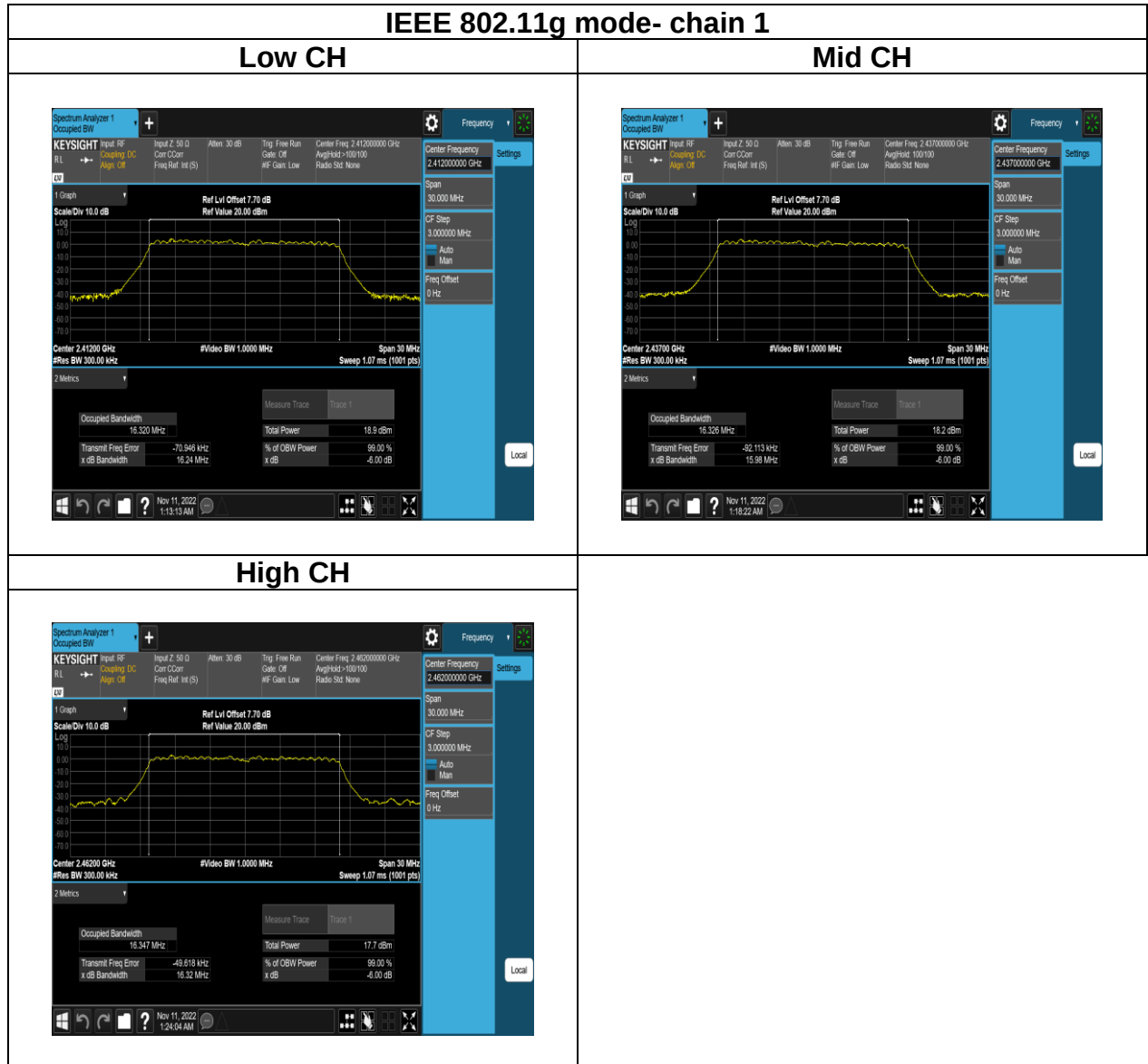
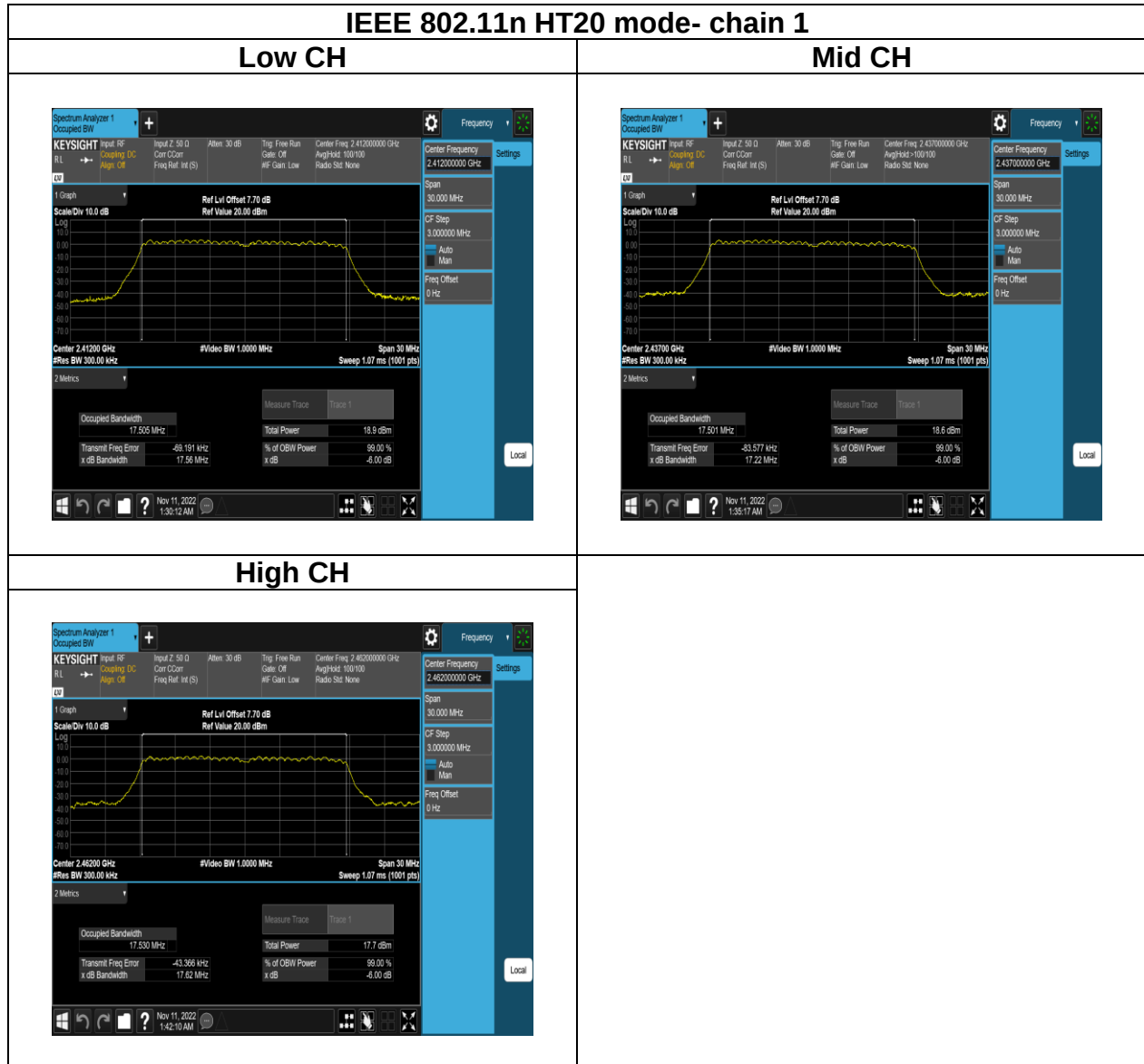


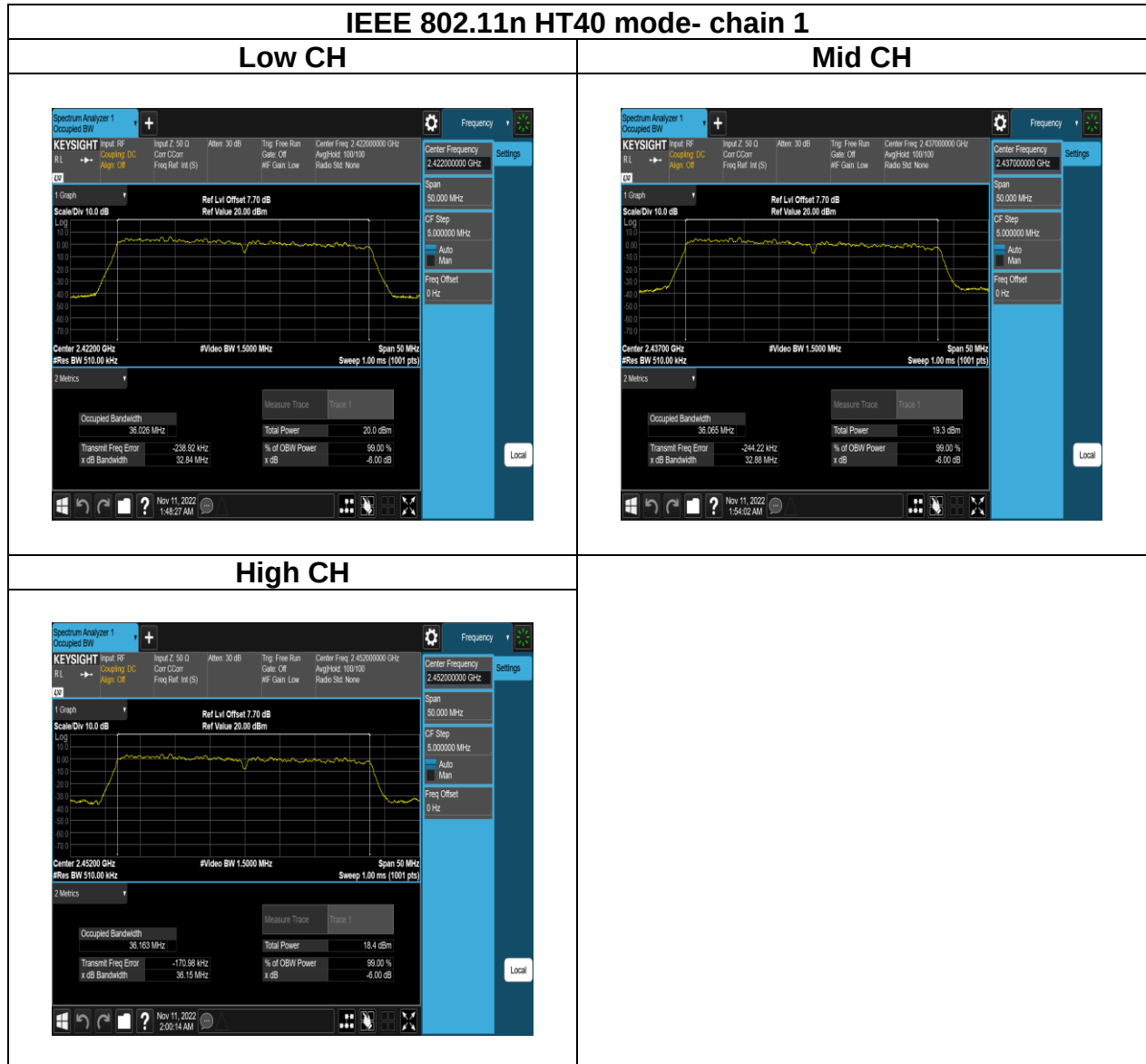
Report No.: TMWK2211004434KR



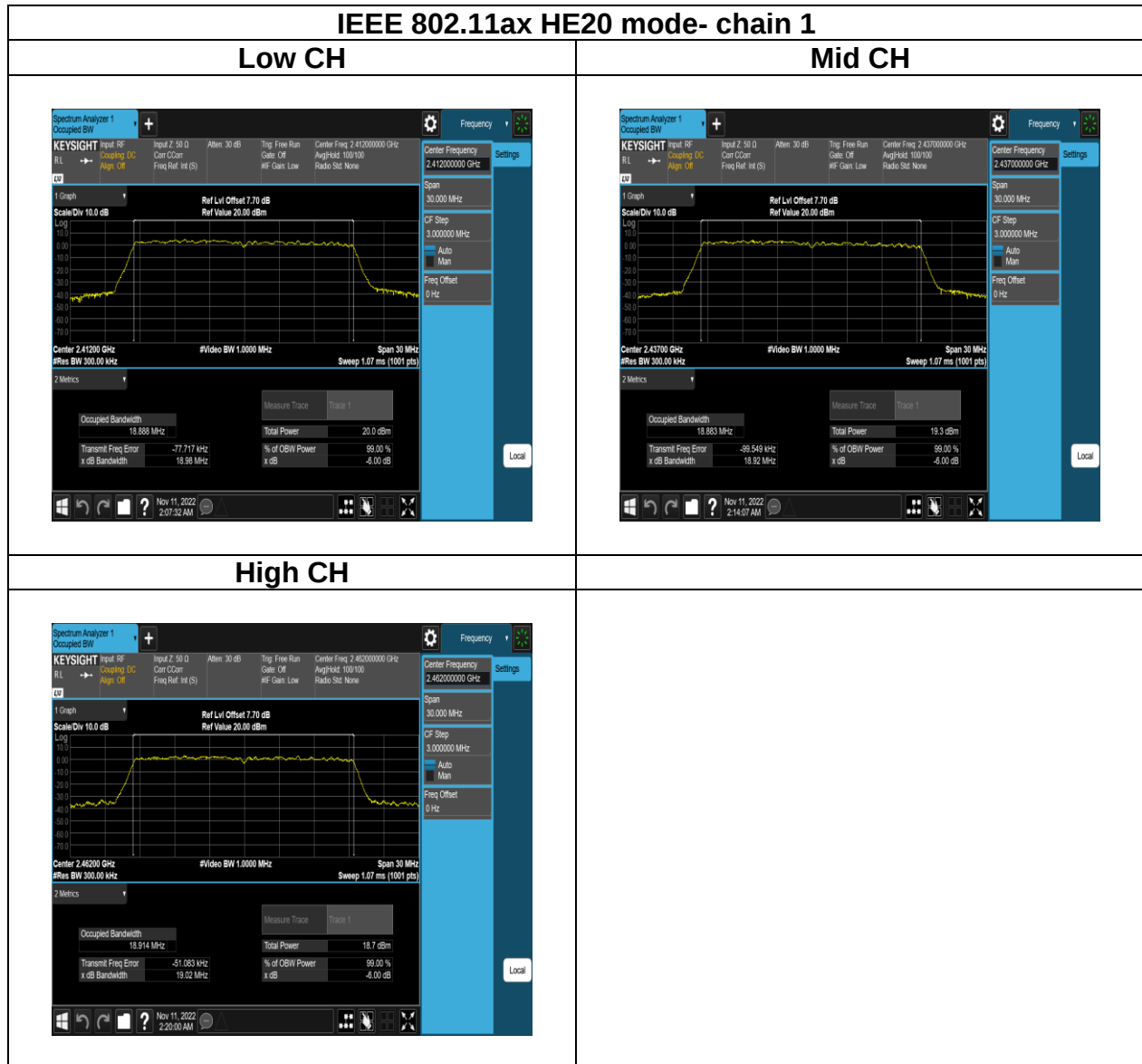
Report No.: TMWK2211004434KR



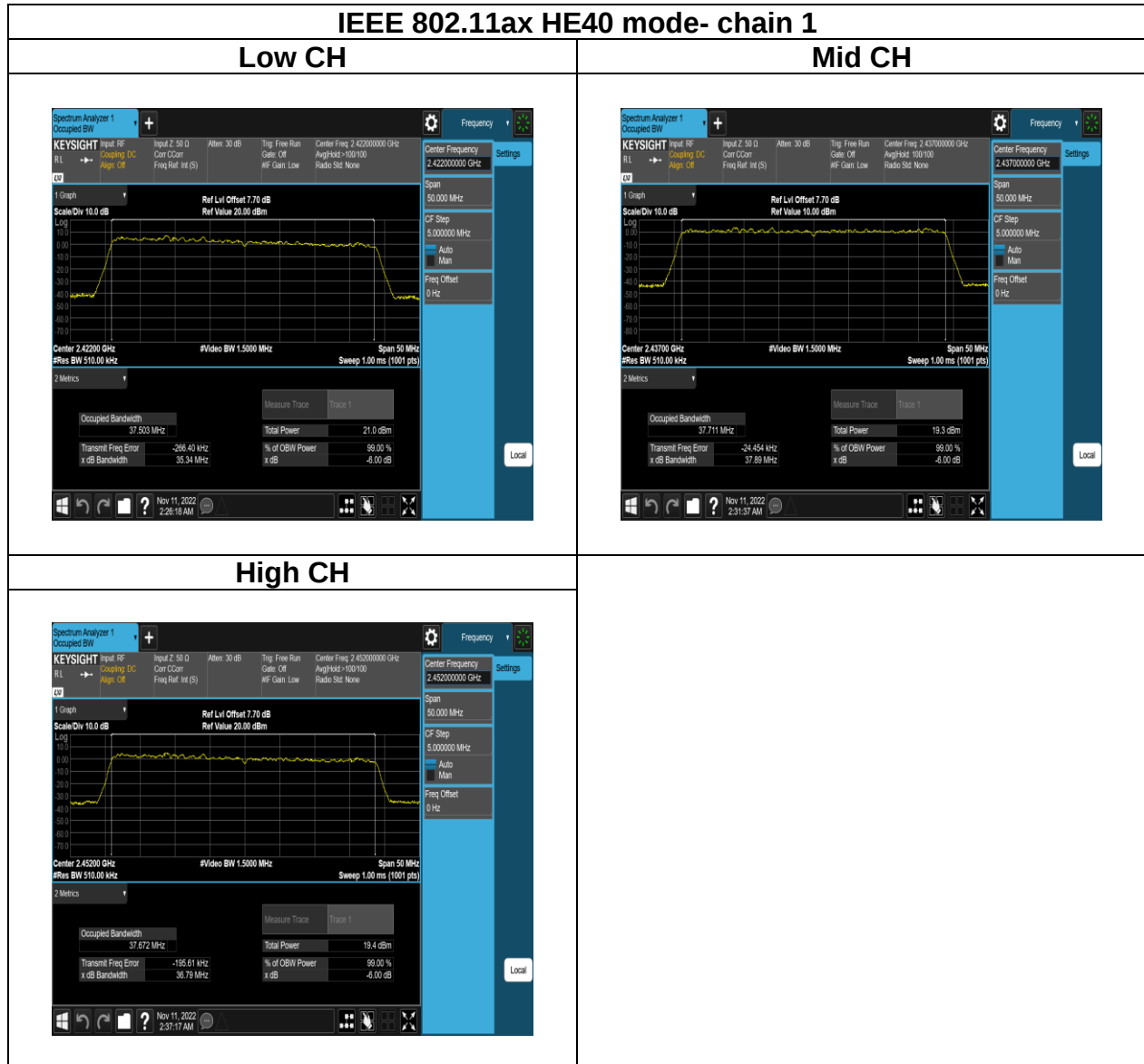
Report No.: TMWK2211004434KR



Report No.: TMWK2211004434KR



Report No.: TMWK2211004434KR



## 4.3 OUTPUT POWER MEASUREMENT

### 4.3.1 Test Limit

According to §15.247(b)

#### **Peak output power :**

For systems using digital modulation in the 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt(30 dBm) and the e.i.r.p. shall not exceed 4Watt(36 dBm), base on the use of antennas with directional gain not exceed 6 dBi If transmitting antennas of directional gain greater than 6dBi are used the peak output power the conducted output power from the intentional radiator shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

|       |                                                                                                                                                                                                                         |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Limit | <input checked="" type="checkbox"/> Antenna not exceed 6 dBi : 30dBm<br><input type="checkbox"/> Antenna with DG greater than 6 dBi :<br>[Limit = 30 – (DG – 6)]<br><input type="checkbox"/> Point-to-point operation : |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

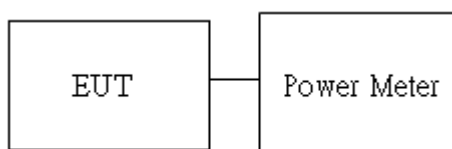
**Average output power :** For reporting purposes only.

### 4.3.2 Test Procedure

Test method Refer as ANSI C63.10:2013.

1. The EUT RF output connected to the power meter by RF cable.
2. Setting maximum power transmit of EUT.
3. The path loss was compensated to the results for each measurement.
4. Measure and record the result of Peak output power and Average output power. in the test report.

### 4.3.3 Test Setup





Report No.: TMWK2211004434KR

#### 4.3.4 Test Result

Temperature: 24.2 ~ 25.2°C

Test date: November 10 ~ 11, 2022

Humidity: 57 ~ 59% RH

Tested by: David Li

##### Peak output power :

| 802.11b_2TX |                |              |              |                               |       |                                     |                |        |
|-------------|----------------|--------------|--------------|-------------------------------|-------|-------------------------------------|----------------|--------|
| CH          | Freq.<br>(MHz) | Data<br>Rate | Power<br>set | Peak Output<br>Power<br>(dBm) |       | Total Peak<br>Output Power<br>(dBm) | Limit<br>(dBm) | RESULT |
|             |                |              |              | Ch0                           | Ch1   |                                     |                |        |
| 1           | 2412           | 1            | 14.5         | 15.56                         | 14.72 | 18.17                               | 30.00          | PASS   |
| 6           | 2437           | 1            | 14           | 15.54                         | 14.89 | 18.24                               | 30.00          | PASS   |
| 11          | 2462           | 1            | 14.5         | 15.98                         | 15.47 | <b>18.74</b>                        | 30.00          | PASS   |

| 802.11g_2TX |                |              |              |                               |       |                                     |                |        |
|-------------|----------------|--------------|--------------|-------------------------------|-------|-------------------------------------|----------------|--------|
| CH          | Freq.<br>(MHz) | Data<br>Rate | Power<br>set | Peak Output<br>Power<br>(dBm) |       | Total Peak<br>Output Power<br>(dBm) | Limit<br>(dBm) | RESULT |
|             |                |              |              | Ch0                           | Ch1   |                                     |                |        |
| 1           | 2412           | 6            | 15           | 23.03                         | 21.72 | 25.43                               | 30.00          | PASS   |
| 6           | 2437           | 6            | 15           | 23.12                         | 21.78 | 25.51                               | 30.00          | PASS   |
| 11          | 2462           | 6            | 15.5         | 23.47                         | 22.31 | <b>25.94</b>                        | 30.00          | PASS   |

| 802.11n_HT20M_2TX |                |              |              |                               |       |                                     |                |        |
|-------------------|----------------|--------------|--------------|-------------------------------|-------|-------------------------------------|----------------|--------|
| CH                | Freq.<br>(MHz) | Data<br>Rate | Power<br>set | Peak Output<br>Power<br>(dBm) |       | Total Peak<br>Output Power<br>(dBm) | Limit<br>(dBm) | RESULT |
|                   |                |              |              | Ch0                           | Ch1   |                                     |                |        |
| 1                 | 2412           | MCS0         | 15           | 23.59                         | 21.02 | 25.50                               | 30.00          | PASS   |
| 6                 | 2437           | MCS0         | 15.5         | 23.98                         | 21.44 | <b>25.90</b>                        | 30.00          | PASS   |
| 11                | 2462           | MCS0         | 15.5         | 23.65                         | 21.33 | 25.65                               | 30.00          | PASS   |

| 802.11n_HT40M_2TX |                |              |              |                               |       |                                     |                |        |
|-------------------|----------------|--------------|--------------|-------------------------------|-------|-------------------------------------|----------------|--------|
| CH                | Freq.<br>(MHz) | Data<br>Rate | Power<br>set | Peak Output<br>Power<br>(dBm) |       | Total Peak<br>Output Power<br>(dBm) | Limit<br>(dBm) | RESULT |
|                   |                |              |              | Ch0                           | Ch1   |                                     |                |        |
| 3                 | 2422           | MCS0         | 15           | 24.43                         | 23.01 | <b>26.79</b>                        | 30.00          | PASS   |
| 6                 | 2437           | MCS0         | 15           | 24.10                         | 22.92 | 26.56                               | 30.00          | PASS   |
| 9                 | 2452           | MCS0         | 15           | 24.22                         | 22.91 | 26.62                               | 30.00          | PASS   |



| 802.11ac_VHT20M_2TX |             |           |           |                         |       |                               |             |        |
|---------------------|-------------|-----------|-----------|-------------------------|-------|-------------------------------|-------------|--------|
| CH                  | Freq. (MHz) | Data Rate | Power set | Peak Output Power (dBm) |       | Total Peak Output Power (dBm) | Limit (dBm) | RESULT |
|                     |             |           |           | Ch0                     | Ch1   |                               |             |        |
| 1                   | 2412        | MCS0      | 15        | 24.21                   | 23.13 | 26.71                         | 30.00       | PASS   |
| 6                   | 2437        | MCS0      | 15        | 24.35                   | 23.11 | 26.78                         | 30.00       | PASS   |
| 11                  | 2462        | MCS0      | 15.5      | 24.31                   | 23.47 | <b>26.92</b>                  | 30.00       | PASS   |

| 802.11ac_VHT40M_2TX |             |           |           |                         |       |                               |             |        |
|---------------------|-------------|-----------|-----------|-------------------------|-------|-------------------------------|-------------|--------|
| CH                  | Freq. (MHz) | Data Rate | Power set | Peak Output Power (dBm) |       | Total Peak Output Power (dBm) | Limit (dBm) | RESULT |
|                     |             |           |           | Ch0                     | Ch1   |                               |             |        |
| 3                   | 2422        | MCS0      | 14.5      | 24.22                   | 22.87 | 26.61                         | 30.00       | PASS   |
| 6                   | 2437        | MCS0      | 14.5      | 24.33                   | 22.94 | 26.70                         | 30.00       | PASS   |
| 9                   | 2452        | MCS0      | 15        | 24.49                   | 23.61 | <b>27.08</b>                  | 30.00       | PASS   |

| 802.11ax_HE20M_2TX |                |              |              |              |                               |       |                                     |                |        |
|--------------------|----------------|--------------|--------------|--------------|-------------------------------|-------|-------------------------------------|----------------|--------|
| CH                 | Freq.<br>(MHz) | Data<br>Rate | RU<br>Config | Power<br>set | Peak Output<br>Power<br>(dBm) |       | Total Peak<br>Output Power<br>(dBm) | Limit<br>(dBm) | RESULT |
|                    |                |              |              |              | Ch0                           | Ch1   |                                     |                |        |
| 1                  | 2412           | MCS0         | full         | 15           | 23.12                         | 22.10 | 25.65                               | 30.00          | PASS   |
|                    |                |              | 26/0         | 15           | 21.75                         | 20.21 | 24.06                               | 30.00          | PASS   |
|                    |                |              | 52/37        | 15           | 22.90                         | 21.97 | 25.47                               | 30.00          | PASS   |
|                    |                |              | 106/53       | 15           | 23.01                         | 22.06 | 25.57                               | 30.00          | PASS   |
| 6                  | 2437           | MCS0         | full         | 15           | 23.28                         | 22.07 | 25.73                               | 30.00          | PASS   |
| 11                 | 2462           | MCS0         | full         | 15.5         | 23.50                         | 22.48 | 26.03                               | 30.00          | PASS   |
|                    |                |              | 26/8         | 15           | 21.92                         | 20.86 | 24.43                               | 30.00          | PASS   |
|                    |                |              | 52/40        | 15           | 22.88                         | 21.86 | 25.41                               | 30.00          | PASS   |
|                    |                |              | 106/54       | 15           | 23.67                         | 22.75 | 26.24                               | 30.00          | PASS   |

| 802.11ax_HE40M_2TX |                |              |              |              |                               |       |                                     |                |        |
|--------------------|----------------|--------------|--------------|--------------|-------------------------------|-------|-------------------------------------|----------------|--------|
| CH                 | Freq.<br>(MHz) | Data<br>Rate | RU<br>Config | Power<br>set | Peak Output<br>Power<br>(dBm) |       | Total Peak<br>Output Power<br>(dBm) | Limit<br>(dBm) | RESULT |
|                    |                |              |              |              | Ch0                           | Ch1   |                                     |                |        |
| 3                  | 2422           | MCS0         | full         | 15           | 23.95                         | 22.91 | 26.47                               | 30.00          | PASS   |
|                    |                |              | 242/61       | 14.5         | 23.33                         | 22.25 | 25.83                               | 30.00          | PASS   |
| 6                  | 2437           | MCS0         | full         | 14.5         | 23.59                         | 22.21 | 25.96                               | 30.00          | PASS   |
| 9                  | 2452           | MCS0         | full         | 15           | 24.09                         | 22.79 | <b>26.50</b>                        | 30.00          | PASS   |
|                    |                |              | 242/62       | 15           | 23.85                         | 22.43 | 26.21                               | 30.00          | PASS   |



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**Average output power :**

| <b>802.11b_2TX</b> |             |           |           |                         |       |                               |             |        |
|--------------------|-------------|-----------|-----------|-------------------------|-------|-------------------------------|-------------|--------|
| CH                 | Freq. (MHz) | Data Rate | Power set | Avg. Output Power (dBm) |       | Total Avg. Output Power (dBm) | Limit (dBm) | RESULT |
|                    |             |           |           | Ch0                     | Ch1   |                               |             |        |
| 1                  | 2412        | 1         | 14.5      | 13.61                   | 12.78 | 16.23                         | 30.00       | PASS   |
| 6                  | 2437        | 1         | 14        | 13.56                   | 12.79 | 16.20                         | 30.00       | PASS   |
| 11                 | 2462        | 1         | 14.5      | 13.64                   | 12.85 | <b>16.27</b>                  | 30.00       | PASS   |

| <b>802.11g_2TX</b> |             |           |           |                         |       |                               |             |        |
|--------------------|-------------|-----------|-----------|-------------------------|-------|-------------------------------|-------------|--------|
| CH                 | Freq. (MHz) | Data Rate | Power set | Avg. Output Power (dBm) |       | Total Avg. Output Power (dBm) | Limit (dBm) | RESULT |
|                    |             |           |           | Ch0                     | Ch1   |                               |             |        |
| 1                  | 2412        | 6         | 15        | 13.56                   | 12.31 | 16.02                         | 30.00       | PASS   |
| 6                  | 2437        | 6         | 15        | 13.53                   | 12.24 | 15.97                         | 30.00       | PASS   |
| 11                 | 2462        | 6         | 15.5      | 13.72                   | 12.57 | <b>16.22</b>                  | 30.00       | PASS   |

| <b>802.11n_HT20M_2TX</b> |             |           |           |                         |       |                               |             |        |
|--------------------------|-------------|-----------|-----------|-------------------------|-------|-------------------------------|-------------|--------|
| CH                       | Freq. (MHz) | Data Rate | Power set | Avg. Output Power (dBm) |       | Total Avg. Output Power (dBm) | Limit (dBm) | RESULT |
|                          |             |           |           | Ch0                     | Ch1   |                               |             |        |
| 1                        | 2412        | MCS0      | 15        | 13.57                   | 12.43 | 16.10                         | 30.00       | PASS   |
| 6                        | 2437        | MCS0      | 15.5      | 13.90                   | 12.55 | <b>16.34</b>                  | 30.00       | PASS   |
| 11                       | 2462        | MCS0      | 15.5      | 13.75                   | 12.76 | <b>16.34</b>                  | 30.00       | PASS   |

| <b>802.11n_HT40M_2TX</b> |             |           |           |                         |       |                               |             |        |
|--------------------------|-------------|-----------|-----------|-------------------------|-------|-------------------------------|-------------|--------|
| CH                       | Freq. (MHz) | Data Rate | Power set | Avg. Output Power (dBm) |       | Total Avg. Output Power (dBm) | Limit (dBm) | RESULT |
|                          |             |           |           | Ch0                     | Ch1   |                               |             |        |
| 3                        | 2422        | MCS0      | 15        | 13.89                   | 12.57 | <b>16.38</b>                  | 30.00       | PASS   |
| 6                        | 2437        | MCS0      | 15        | 13.80                   | 12.41 | 16.26                         | 30.00       | PASS   |
| 9                        | 2452        | MCS0      | 15        | 13.89                   | 12.56 | <b>16.38</b>                  | 30.00       | PASS   |

| 802.11ac_VHT20M_2TX |             |           |           |                         |       |                               |             |        |
|---------------------|-------------|-----------|-----------|-------------------------|-------|-------------------------------|-------------|--------|
| CH                  | Freq. (MHz) | Data Rate | Power set | Avg. Output Power (dBm) |       | Total Avg. Output Power (dBm) | Limit (dBm) | RESULT |
|                     |             |           |           | Ch0                     | Ch1   |                               |             |        |
| 1                   | 2412        | MCS0      | 15        | 13.53                   | 12.31 | 16.00                         | 30.00       | PASS   |
| 6                   | 2437        | MCS0      | 15        | 13.67                   | 12.28 | 16.07                         | 30.00       | PASS   |
| 11                  | 2462        | MCS0      | 15.5      | 13.57                   | 12.65 | <b>16.17</b>                  | 30.00       | PASS   |

| 802.11ac_VHT40M_2TX |             |           |           |                         |       |                               |             |        |
|---------------------|-------------|-----------|-----------|-------------------------|-------|-------------------------------|-------------|--------|
| CH                  | Freq. (MHz) | Data Rate | Power set | Avg. Output Power (dBm) |       | Total Avg. Output Power (dBm) | Limit (dBm) | RESULT |
|                     |             |           |           | Ch0                     | Ch1   |                               |             |        |
| 3                   | 2422        | MCS0      | 14.5      | 13.48                   | 12.16 | 15.93                         | 30.00       | PASS   |
| 6                   | 2437        | MCS0      | 14.5      | 13.51                   | 12.07 | 15.91                         | 30.00       | PASS   |
| 9                   | 2452        | MCS0      | 15        | 13.81                   | 12.56 | <b>16.29</b>                  | 30.00       | PASS   |

| 802.11ax_HE20M_2TX |             |           |           |           |                         |       |                               |             |        |
|--------------------|-------------|-----------|-----------|-----------|-------------------------|-------|-------------------------------|-------------|--------|
| CH                 | Freq. (MHz) | Data Rate | RU Config | Power set | Avg. Output Power (dBm) |       | Total Avg. Output Power (dBm) | Limit (dBm) | RESULT |
|                    |             |           |           |           | Ch0                     | Ch1   |                               |             |        |
| 1                  | 2412        | MCS0      | full      | 15        | 13.53                   | 12.40 | 16.04                         | 30.00       | PASS   |
|                    |             |           | 26/0      | 15        | 11.19                   | 10.16 | 13.75                         | 30.00       | PASS   |
|                    |             |           | 52/37     | 15        | 13.13                   | 12.05 | 15.66                         | 30.00       | PASS   |
|                    |             |           | 106/53    | 15        | 13.48                   | 12.27 | 15.96                         | 30.00       | PASS   |
| 6                  | 2437        | MCS0      | full      | 15        | 13.49                   | 12.22 | 15.94                         | 30.00       | PASS   |
| 11                 | 2462        | MCS0      | full      | 15.5      | 13.56                   | 12.61 | 16.15                         | 30.00       | PASS   |
|                    |             |           | 26/8      | 15        | 10.87                   | 10.01 | 13.50                         | 30.00       | PASS   |
|                    |             |           | 52/40     | 15        | 12.83                   | 11.86 | 15.41                         | 30.00       | PASS   |
|                    |             |           | 106/54    | 15        | 13.24                   | 12.11 | 15.75                         | 30.00       | PASS   |

| 802.11ax_HE40M_2TX |             |           |           |           |                         |       |                               |             |        |
|--------------------|-------------|-----------|-----------|-----------|-------------------------|-------|-------------------------------|-------------|--------|
| CH                 | Freq. (MHz) | Data Rate | RU Config | Power set | Avg. Output Power (dBm) |       | Total Avg. Output Power (dBm) | Limit (dBm) | RESULT |
|                    |             |           |           |           | Ch0                     | Ch1   |                               |             |        |
| 3                  | 2422        | MCS0      | full      | 15        | 13.92                   | 12.60 | 16.38                         | 30.00       | PASS   |
|                    |             |           | 242/61    | 14.5      | 13.72                   | 12.38 | 16.17                         | 30.00       | PASS   |
| 6                  | 2437        | MCS0      | full      | 14.5      | 13.51                   | 12.06 | 15.92                         | 30.00       | PASS   |
| 9                  | 2452        | MCS0      | full      | 15        | 13.70                   | 12.46 | 16.19                         | 30.00       | PASS   |
|                    |             |           | 242/62    | 15        | 13.68                   | 12.35 | 16.14                         | 30.00       | PASS   |

## 4.4 POWER SPECTRAL DENSITY

### 4.4.1 Test Limit

According to §15.247(e)

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

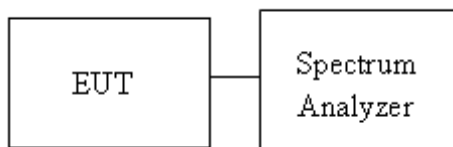
|       |                                                                                                                                                                                                                         |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Limit | <input checked="" type="checkbox"/> Antenna not exceed 6 dBi : 8dBm<br><input type="checkbox"/> Antenna with DG greater than 6 dBi :<br>[ Limit = 8 – (DG – 6) ]<br><input type="checkbox"/> Point-to-point operation : |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 4.4.2 Test Procedure

Test method Refer as ANSI C63.10:2013,

1. The EUT RF output connected to the spectrum analyzer by RF cable.
2. Setting maximum power transmit of EUT
3. SA set RBW = 3kHz, VBW = 10kHz, Span = 1.5 times DTS Bandwidth (6 dB BW), Detector = Peak, Sweep Time = Auto and Trace = Max hold.
4. The path loss and Duty Factor were compensated to the results for each measurement by SA.
5. Mark the maximum level.
6. Measure and record the result of power spectral density. in the test report.

### 4.4.3 Test Setup



Report No.: TMWK2211004434KR

#### 4.4.4 Test Result

**Temperature:** 24.2 ~ 25.2°C

**Test date:** November 10 ~ 11, 2022

**Humidity:** 57 ~ 59% RH

**Tested by:** David Li

| POWER DENSITY 802.11b |            |            |                   |                     |        |
|-----------------------|------------|------------|-------------------|---------------------|--------|
| Freq.<br>(MHz)        | Ch0<br>PSD | Ch1<br>PSD | PSD<br>(dBm/3kHz) | Limit<br>(dBm/3kHz) | Result |
| 2412                  | -11.64     | -12.01     | -8.81             | 8.00                | PASS   |
| 2437                  | -12.68     | -12.55     | -9.60             | 8.00                | PASS   |
| 2462                  | -12.54     | -12.85     | -9.68             | 8.00                | PASS   |

| POWER DENSITY 802.11g |            |            |                   |                     |        |
|-----------------------|------------|------------|-------------------|---------------------|--------|
| Freq.<br>(MHz)        | Ch0<br>PSD | Ch1<br>PSD | PSD<br>(dBm/3kHz) | Limit<br>(dBm/3kHz) | Result |
| 2412                  | -14.02     | -14.08     | -11.04            | 8.00                | PASS   |
| 2437                  | -15.64     | -15.49     | -12.55            | 8.00                | PASS   |
| 2462                  | -14.35     | -15.64     | -11.94            | 8.00                | PASS   |

| POWER DENSITY 802.11n HT20 |            |            |                   |                     |        |
|----------------------------|------------|------------|-------------------|---------------------|--------|
| Freq.<br>(MHz)             | Ch0<br>PSD | Ch1<br>PSD | PSD<br>(dBm/3kHz) | Limit<br>(dBm/3kHz) | Result |
| 2412                       | -13.14     | -13.21     | -10.16            | 8.00                | PASS   |
| 2437                       | -13.57     | -13.53     | -10.54            | 8.00                | PASS   |
| 2462                       | -13.95     | -14.35     | -11.14            | 8.00                | PASS   |

| POWER DENSITY 802.11n HT40 |            |            |                   |                     |        |
|----------------------------|------------|------------|-------------------|---------------------|--------|
| Freq.<br>(MHz)             | Ch0<br>PSD | Ch1<br>PSD | PSD<br>(dBm/3kHz) | Limit<br>(dBm/3kHz) | Result |
| 2422                       | -15.93     | -13.83     | -11.74            | 8.00                | PASS   |
| 2437                       | -16.18     | -15.37     | -12.75            | 8.00                | PASS   |
| 2452                       | -16.20     | -15.65     | -12.91            | 8.00                | PASS   |



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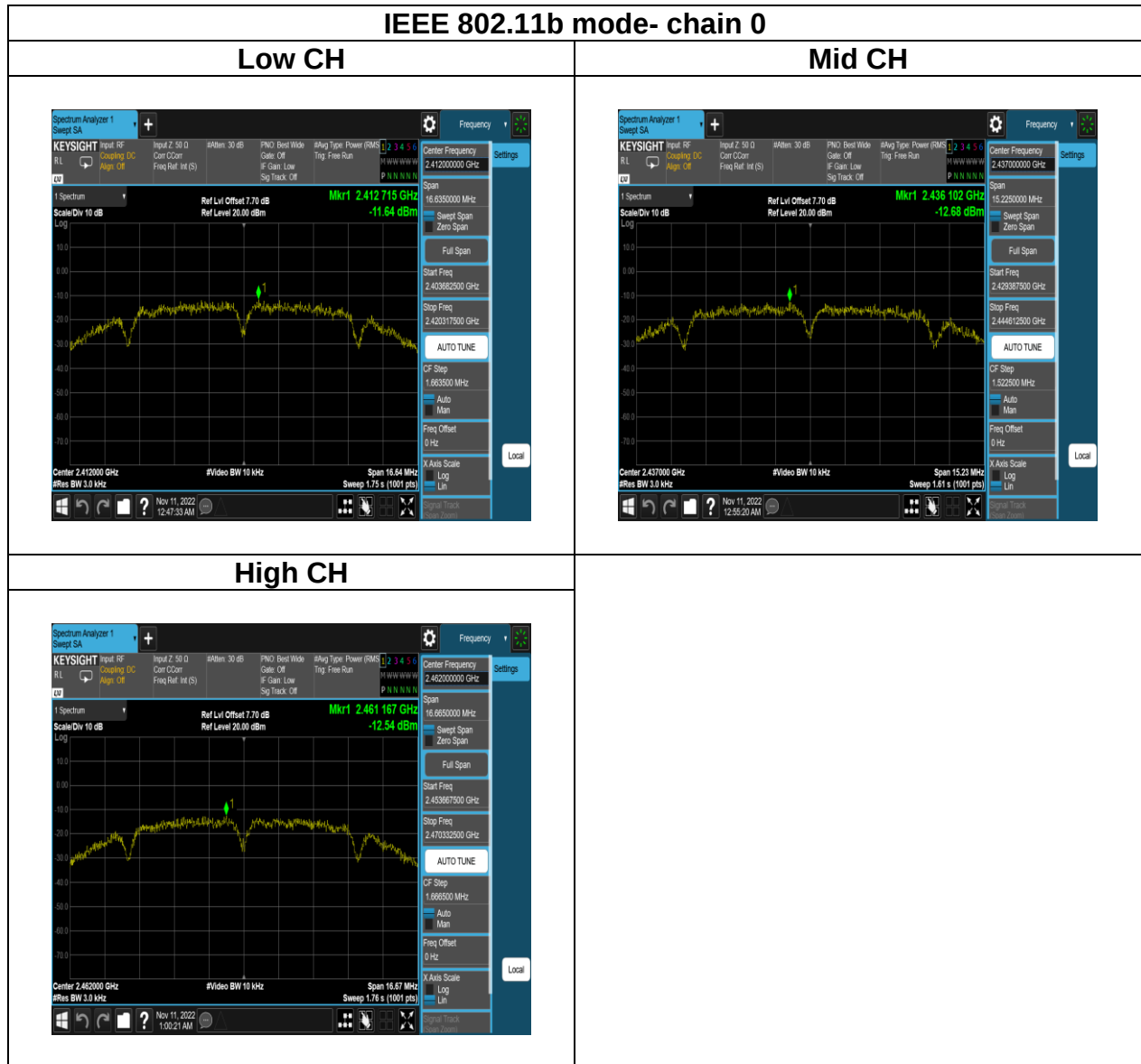
| POWER DENSITY 802.11ax HE20 |           |         |         |                |                  |        |
|-----------------------------|-----------|---------|---------|----------------|------------------|--------|
| Freq. (MHz)                 | RU Config | Ch0 PSD | Ch1 PSD | PSD (dBm/3kHz) | Limit (dBm/3kHz) | Result |
| 2412                        | full      | -13.84  | -14.33  | -11.07         | 8.00             | PASS   |
|                             | 26/0      | -8.48   | -7.59   | -5.00          | 8.00             | PASS   |
|                             | 52/37     | -7.42   | -8.87   | -5.07          | 8.00             | PASS   |
|                             | 106/53    | -10.10  | -11.13  | -7.57          | 8.00             | PASS   |
| 2437                        | full      | -14.64  | -15.10  | -11.85         | 8.00             | PASS   |
| 2462                        | full      | -14.69  | -15.60  | -12.11         | 8.00             | PASS   |
|                             | 26/8      | -8.38   | -10.91  | -6.45          | 8.00             | PASS   |
|                             | 52/40     | -9.26   | -9.74   | -6.48          | 8.00             | PASS   |
|                             | 106/54    | -10.42  | -12.90  | -8.48          | 8.00             | PASS   |

| POWER DENSITY 802.11ax HE40 |           |         |         |                |                  |        |
|-----------------------------|-----------|---------|---------|----------------|------------------|--------|
| Freq. (MHz)                 | RU Config | Ch0 PSD | Ch1 PSD | PSD (dBm/3kHz) | Limit (dBm/3kHz) | Result |
| 2422                        | full      | -17.61  | -15.70  | -13.54         | 8.00             | PASS   |
|                             | 242/61    | -13.12  | -14.91  | -10.91         | 8.00             | PASS   |
| 2437                        | full      | -18.18  | -18.65  | -15.40         | 8.00             | PASS   |
| 2452                        | full      | -17.18  | -16.78  | -13.97         | 8.00             | PASS   |
|                             | 242/62    | -14.93  | -14.83  | -11.87         | 8.00             | PASS   |

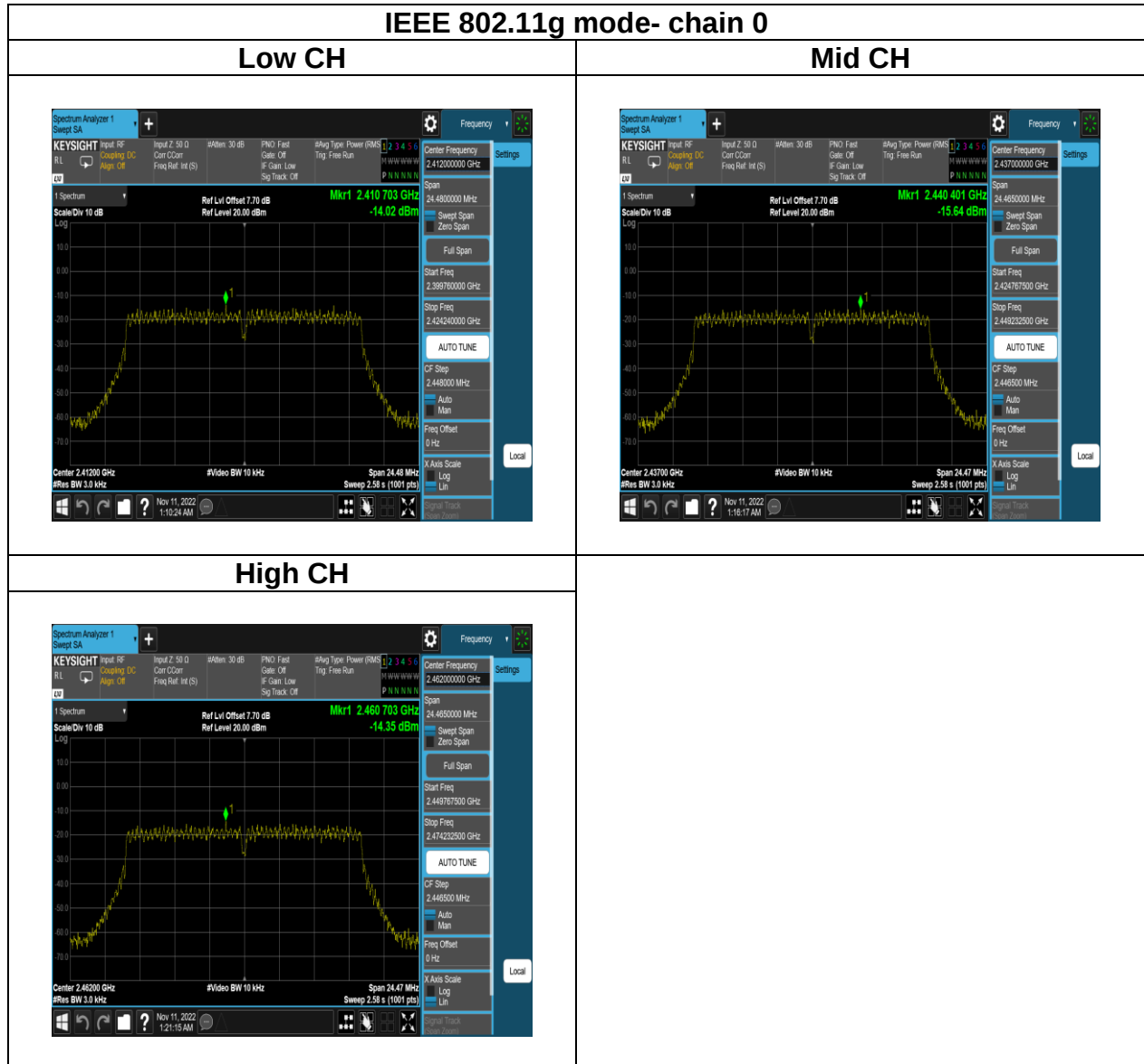


Report No.: TMWK2211004434KR

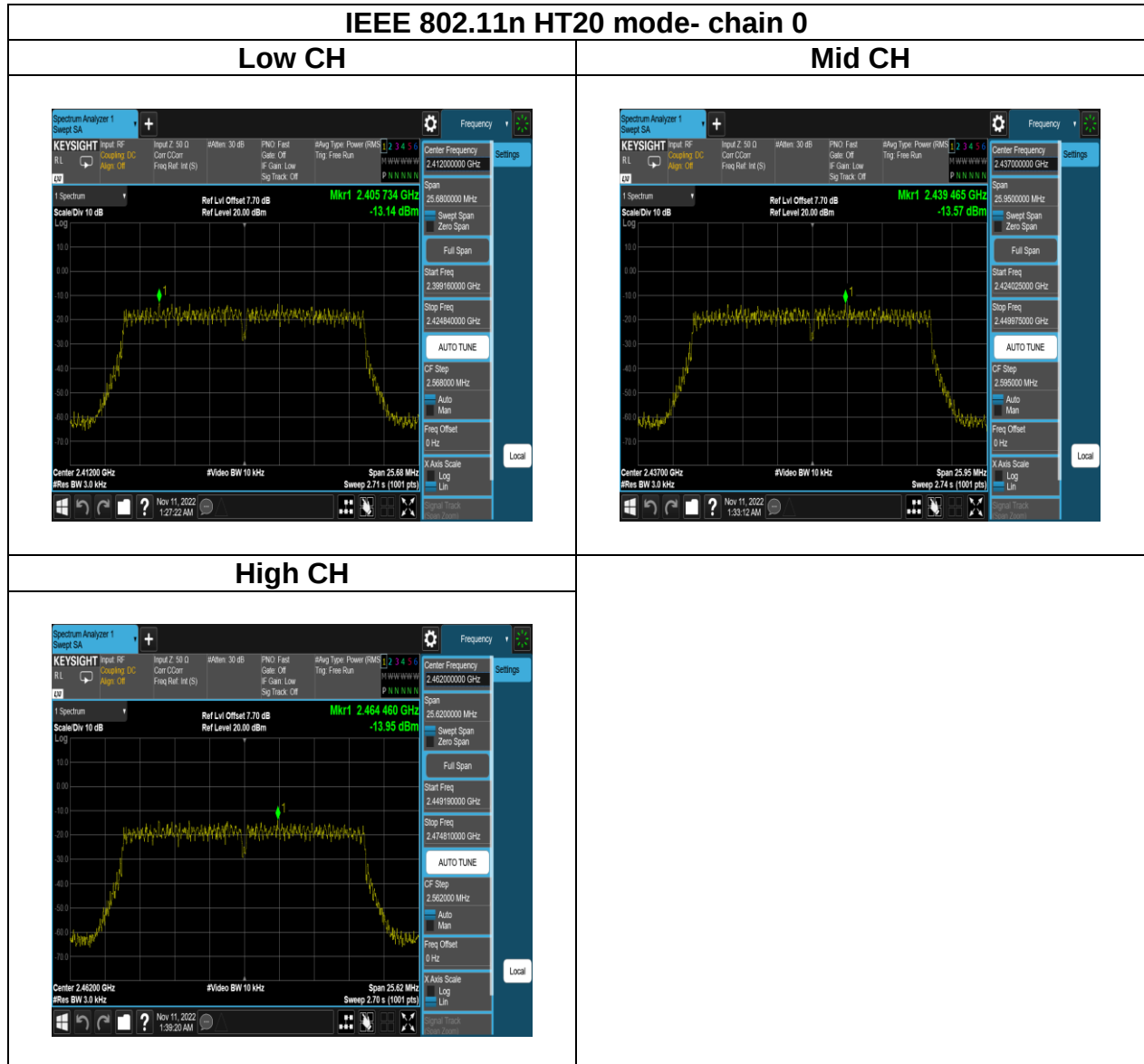
## Test Data



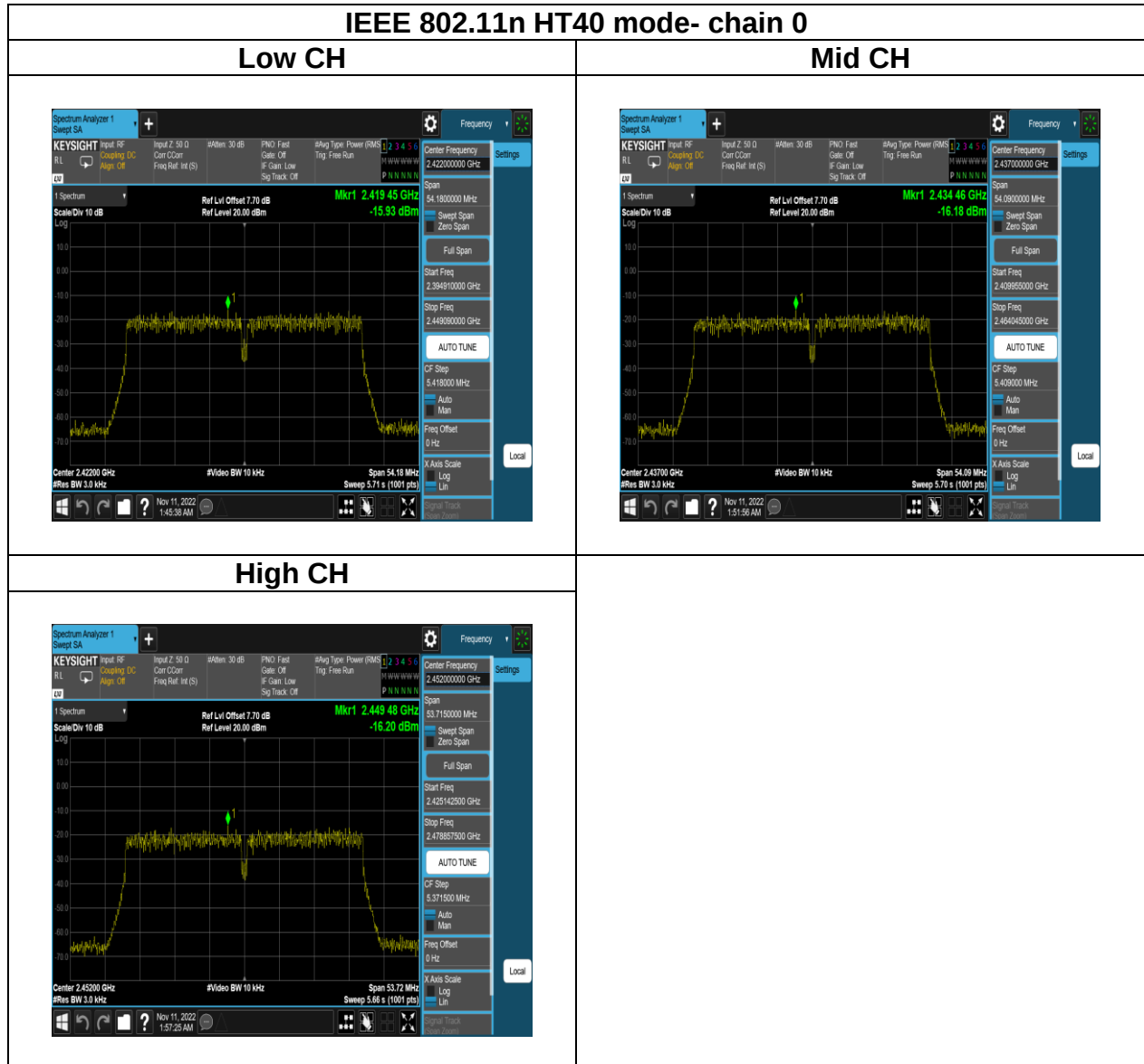
Report No.: TMWK2211004434KR

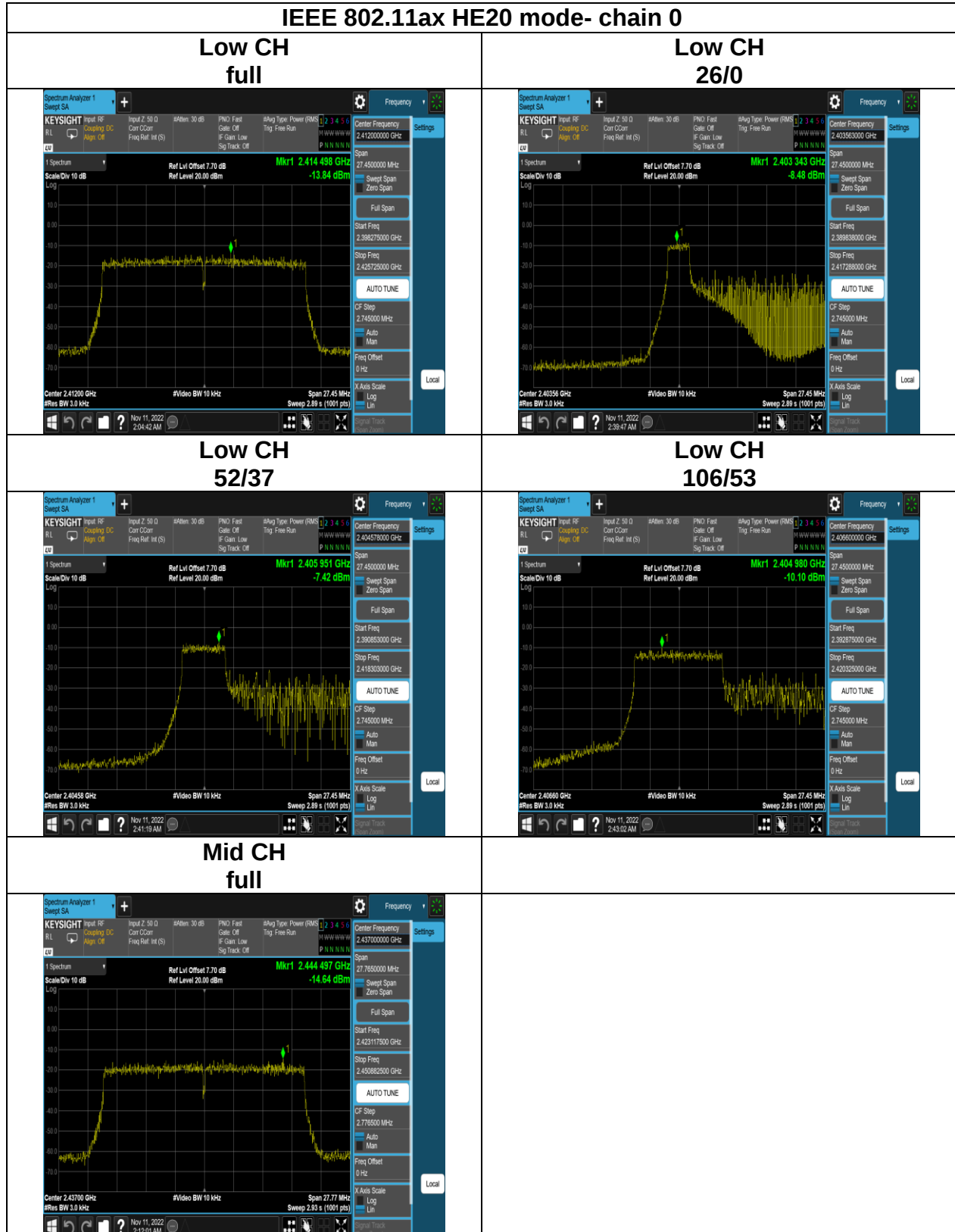


Report No.: TMWK2211004434KR



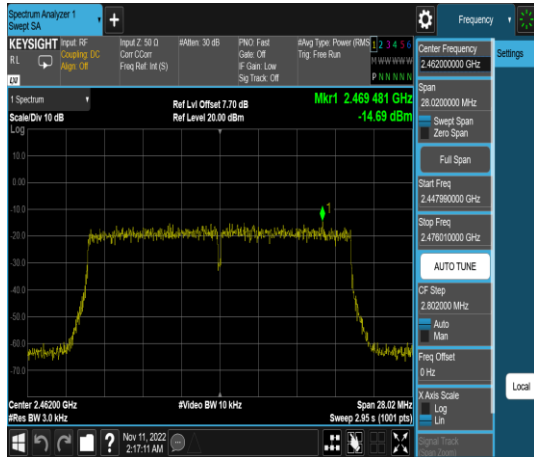
Report No.: TMWK2211004434KR



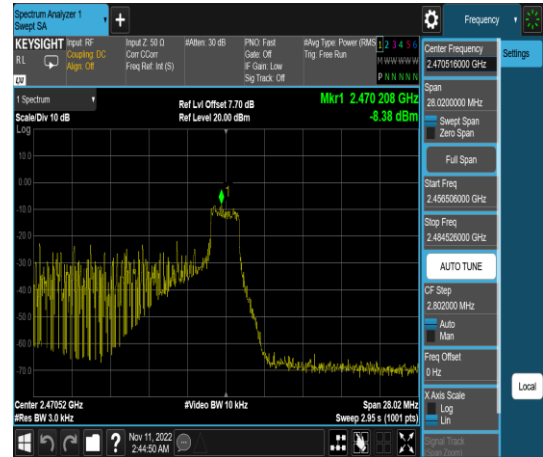


Report No.: TMWK2211004434KR

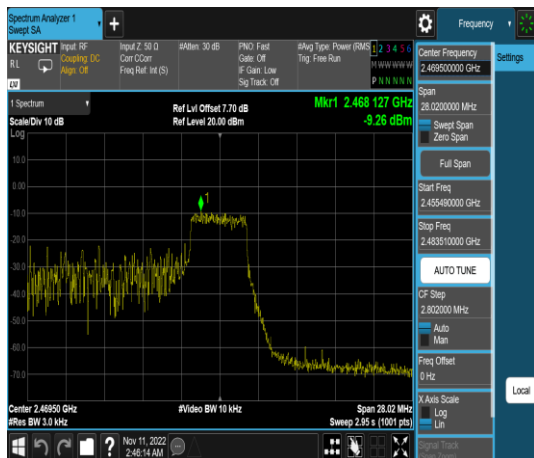
### High CH full



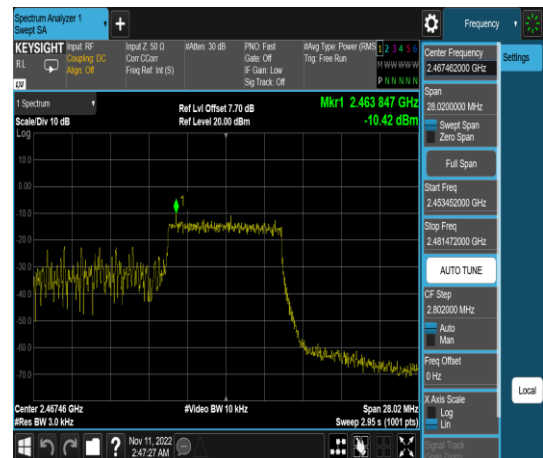
### High CH 26/8



### High CH 52/40



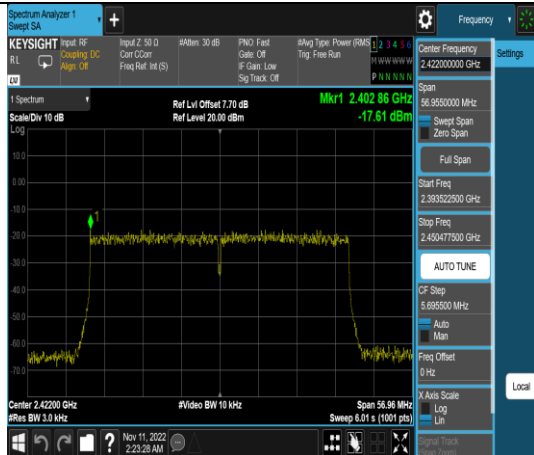
### High CH 106/54



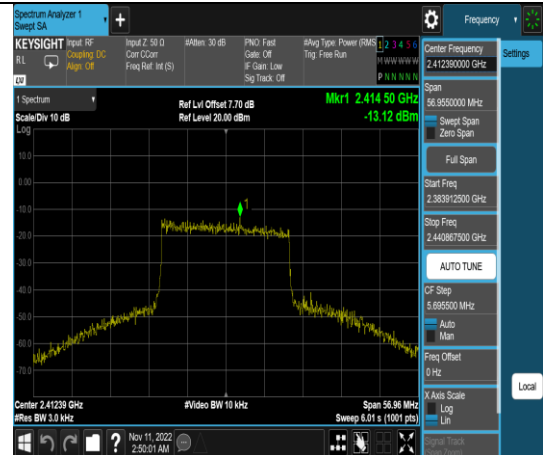
Report No.: TMWK2211004434KR

## IEEE 802.11ax HE40 mode- chain 0

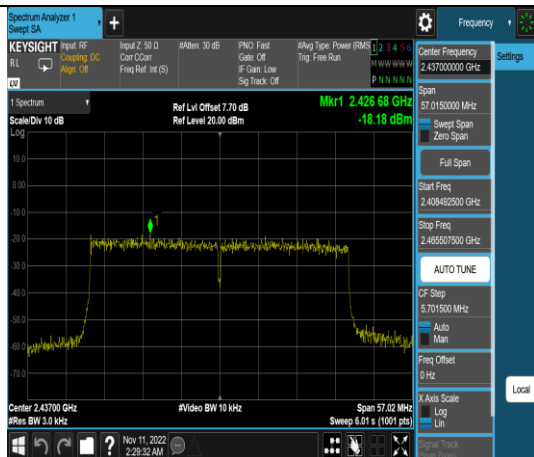
### Low CH full



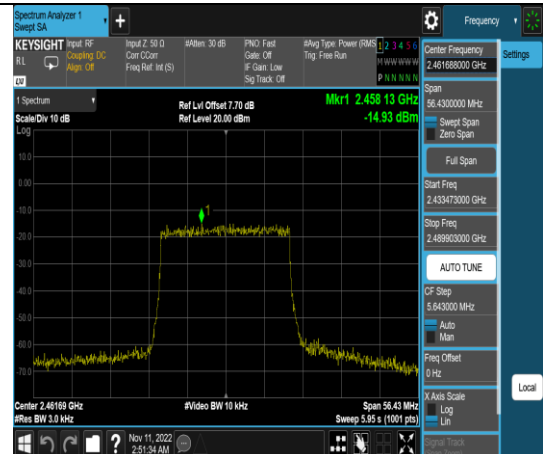
### Low CH 242/61



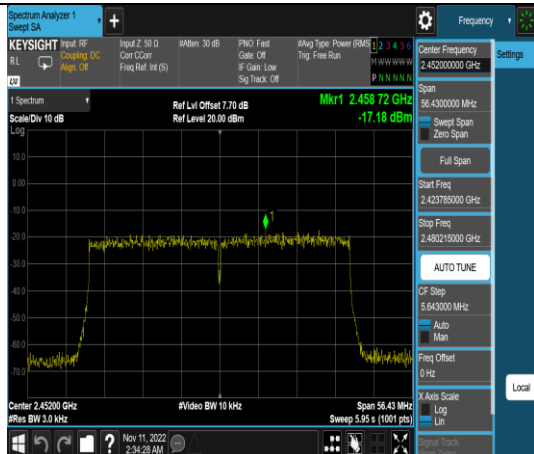
### Mid CH full



### High CH 242/62



### High CH full



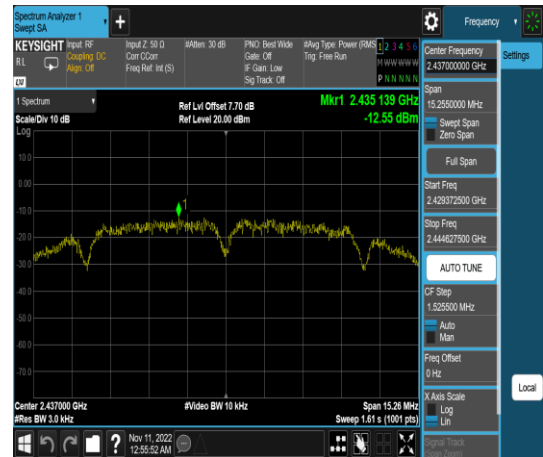
Report No.: TMWK2211004434KR

## IEEE 802.11b mode- chain 1

### Low CH



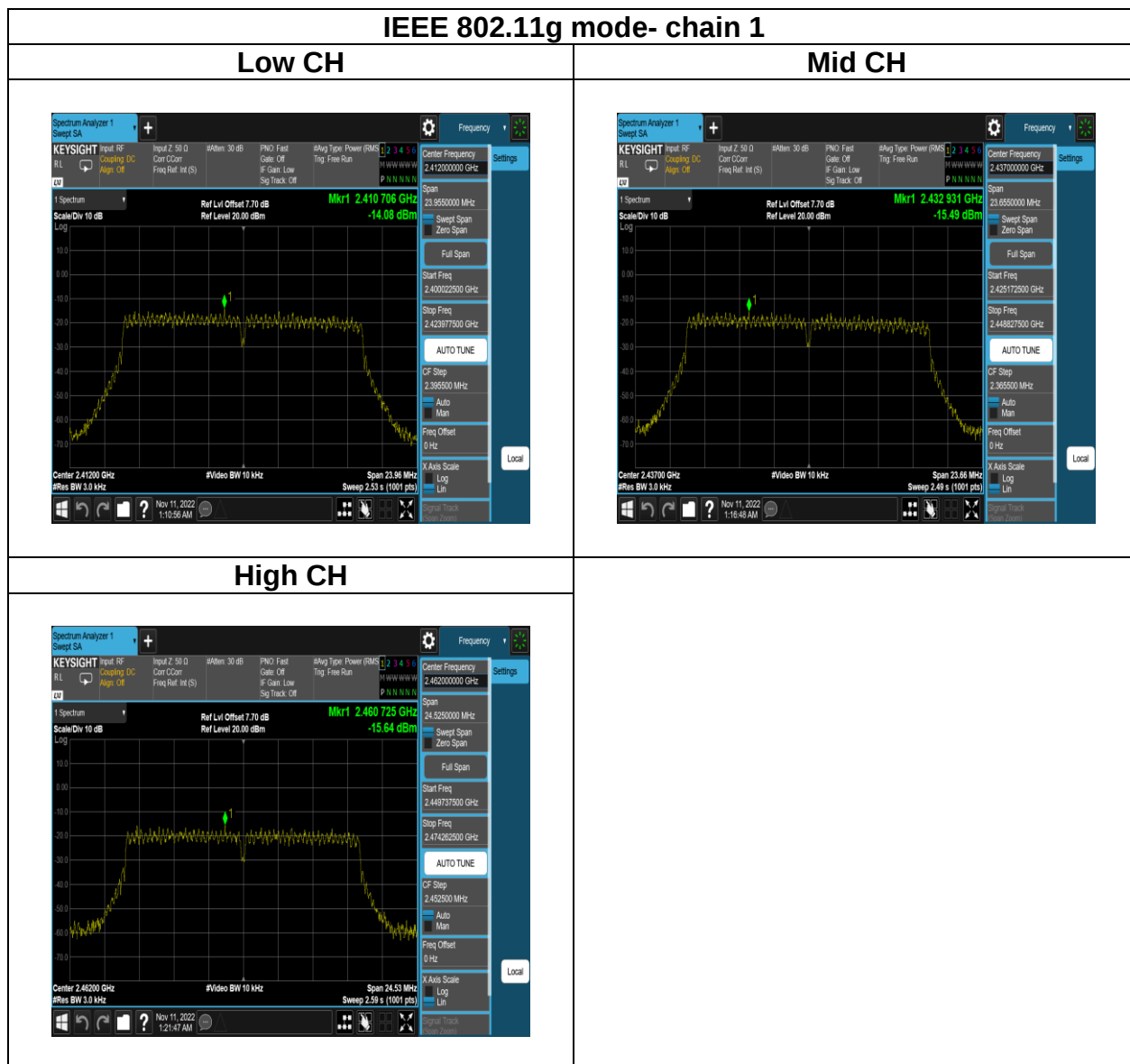
### Mid CH



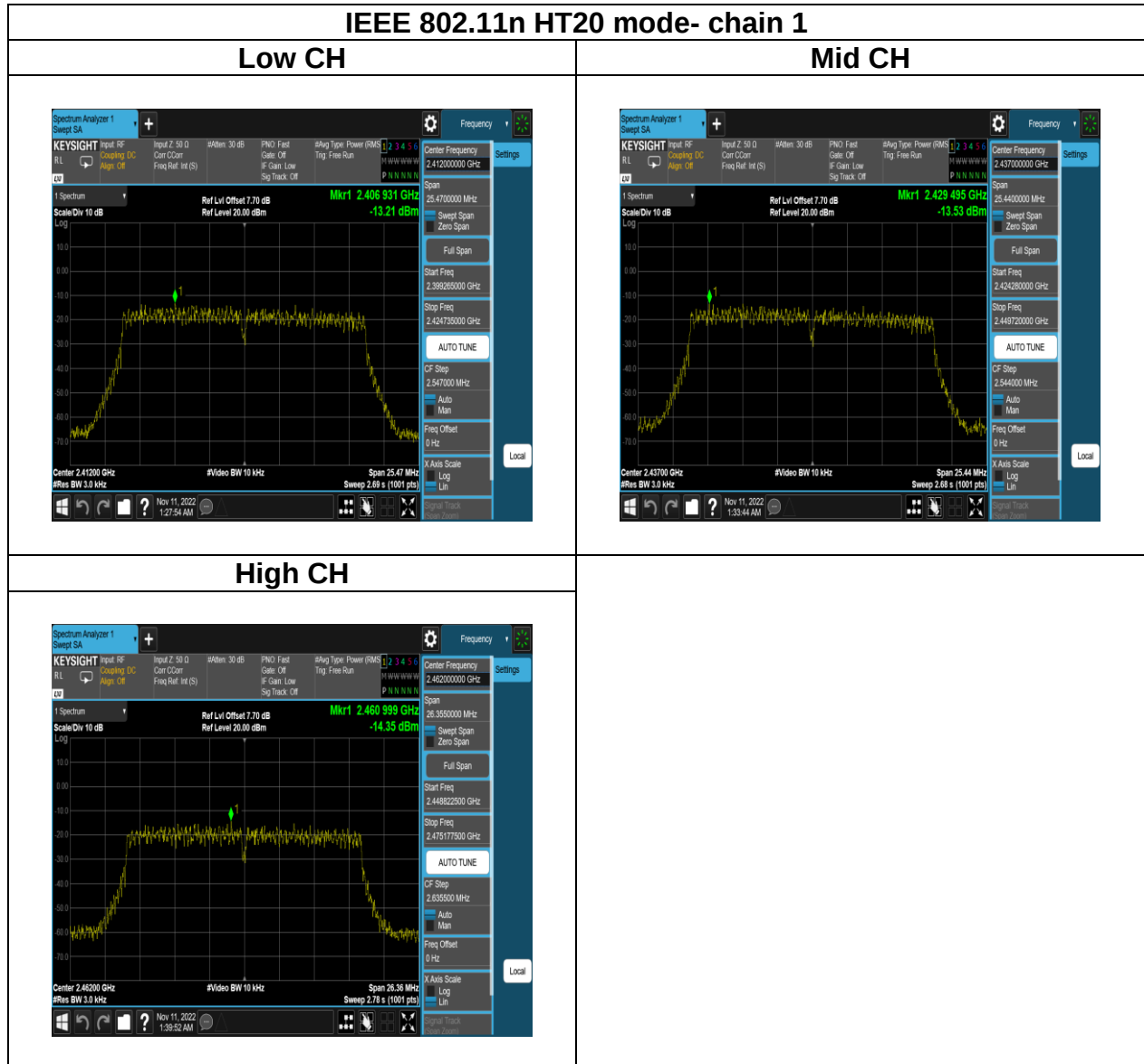
### High CH



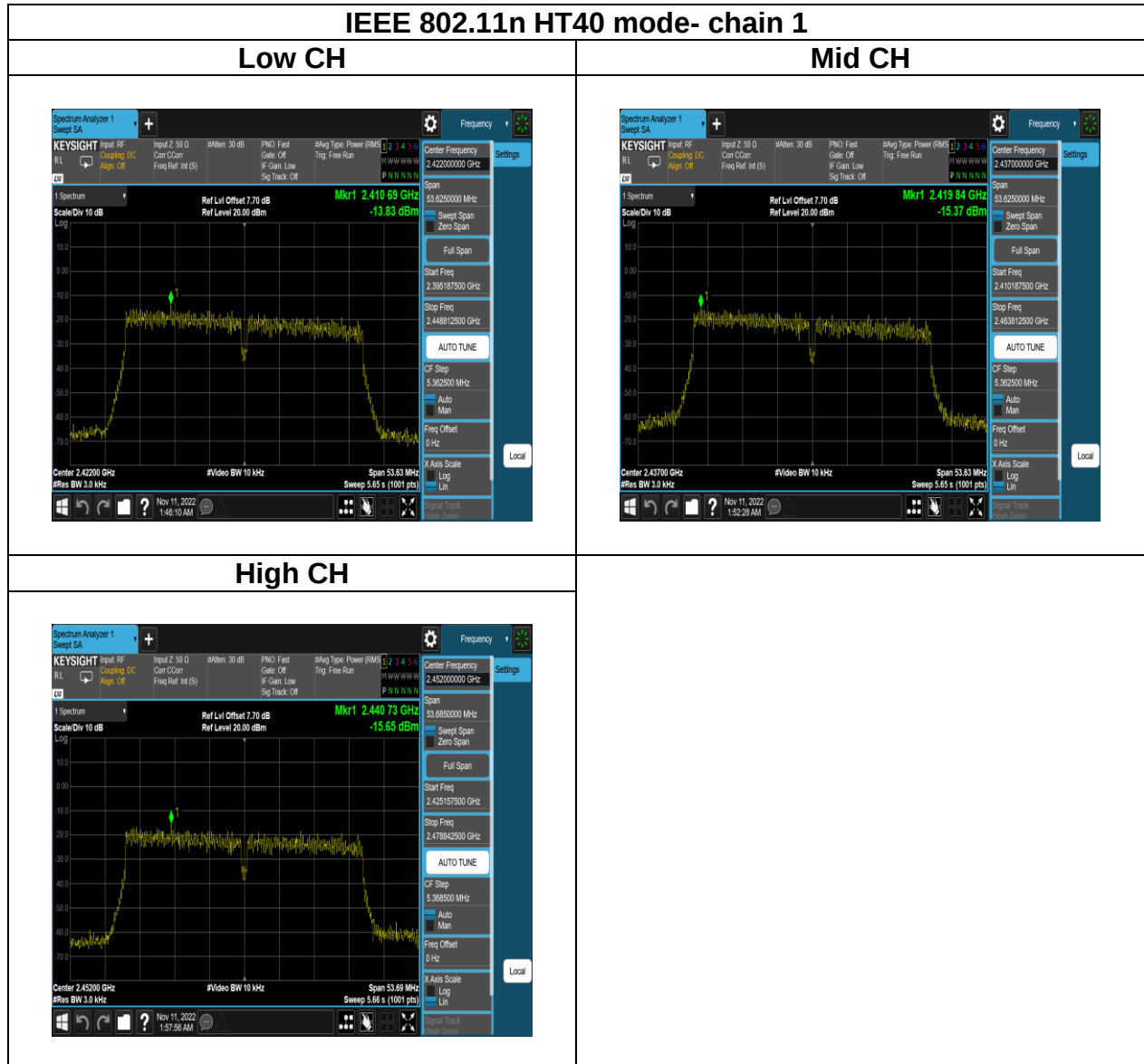
Report No.: TMWK2211004434KR



Report No.: TMWK2211004434KR



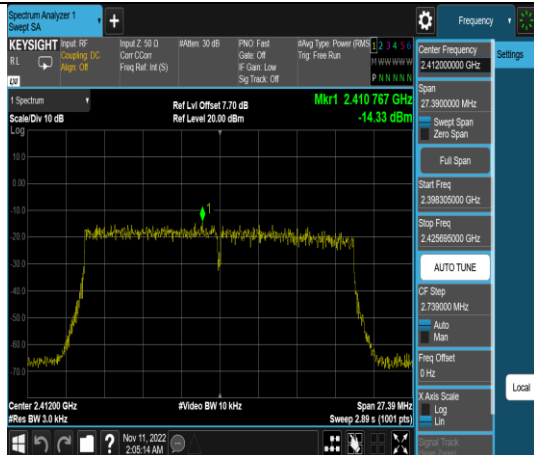
Report No.: TMWK2211004434KR



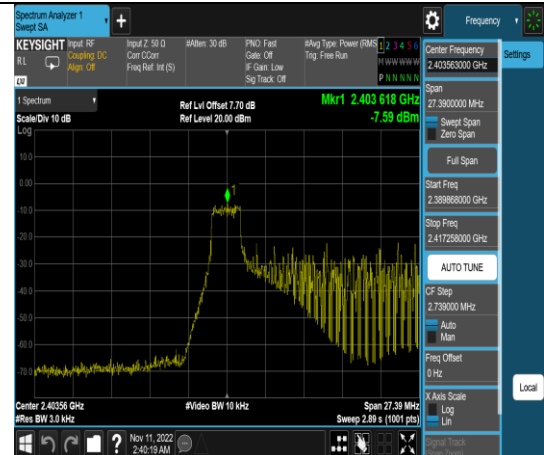
Report No.: TMWK2211004434KR

## IEEE 802.11ax HE20 mode- chain 1

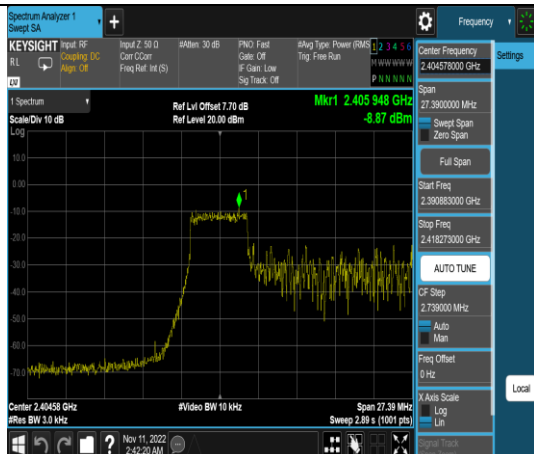
### Low CH full



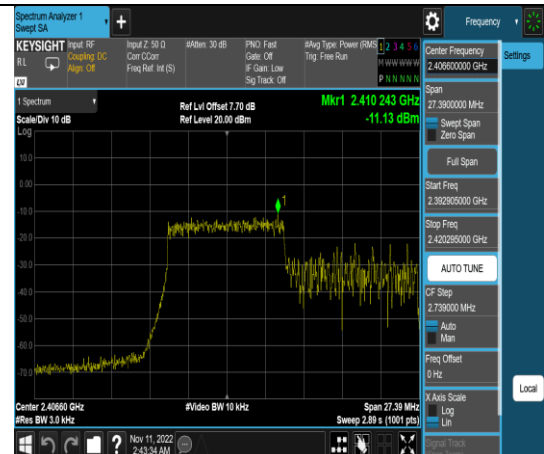
### Low CH 26/0



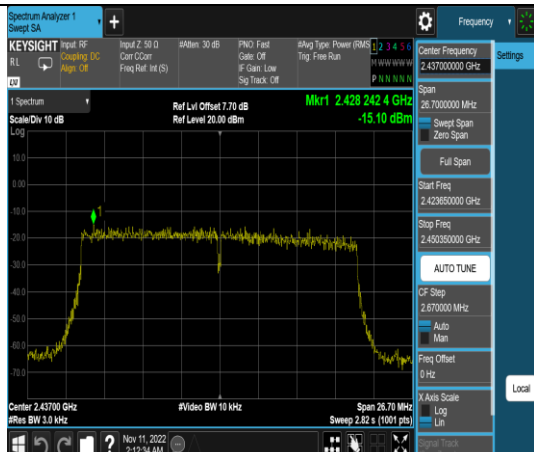
### Low CH 52/37



### Low CH 106/53

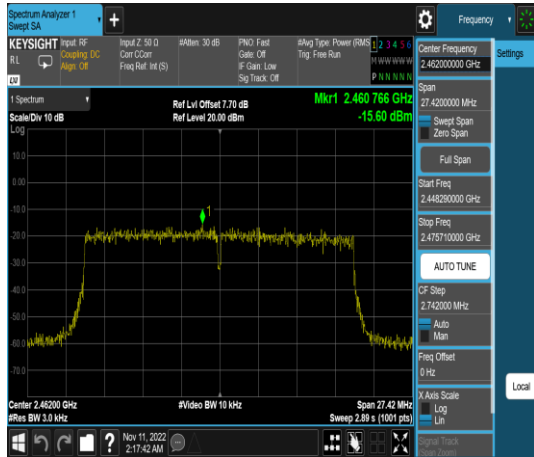


### Mid CH full

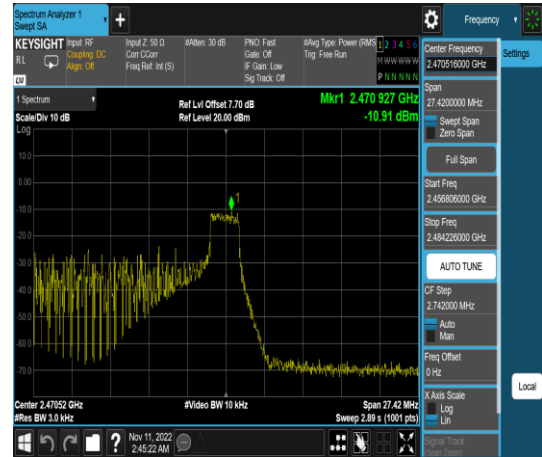


Report No.: TMWK2211004434KR

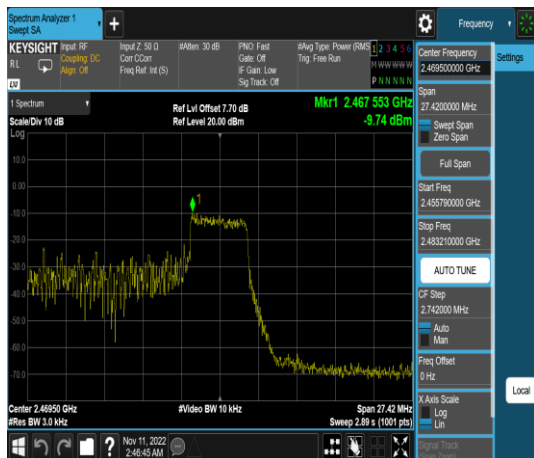
### High CH full



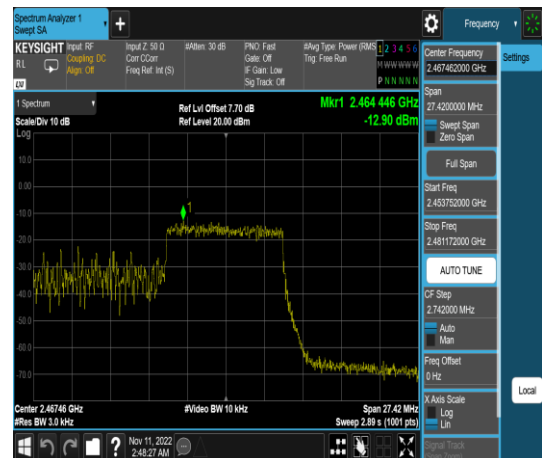
### High CH 26/8

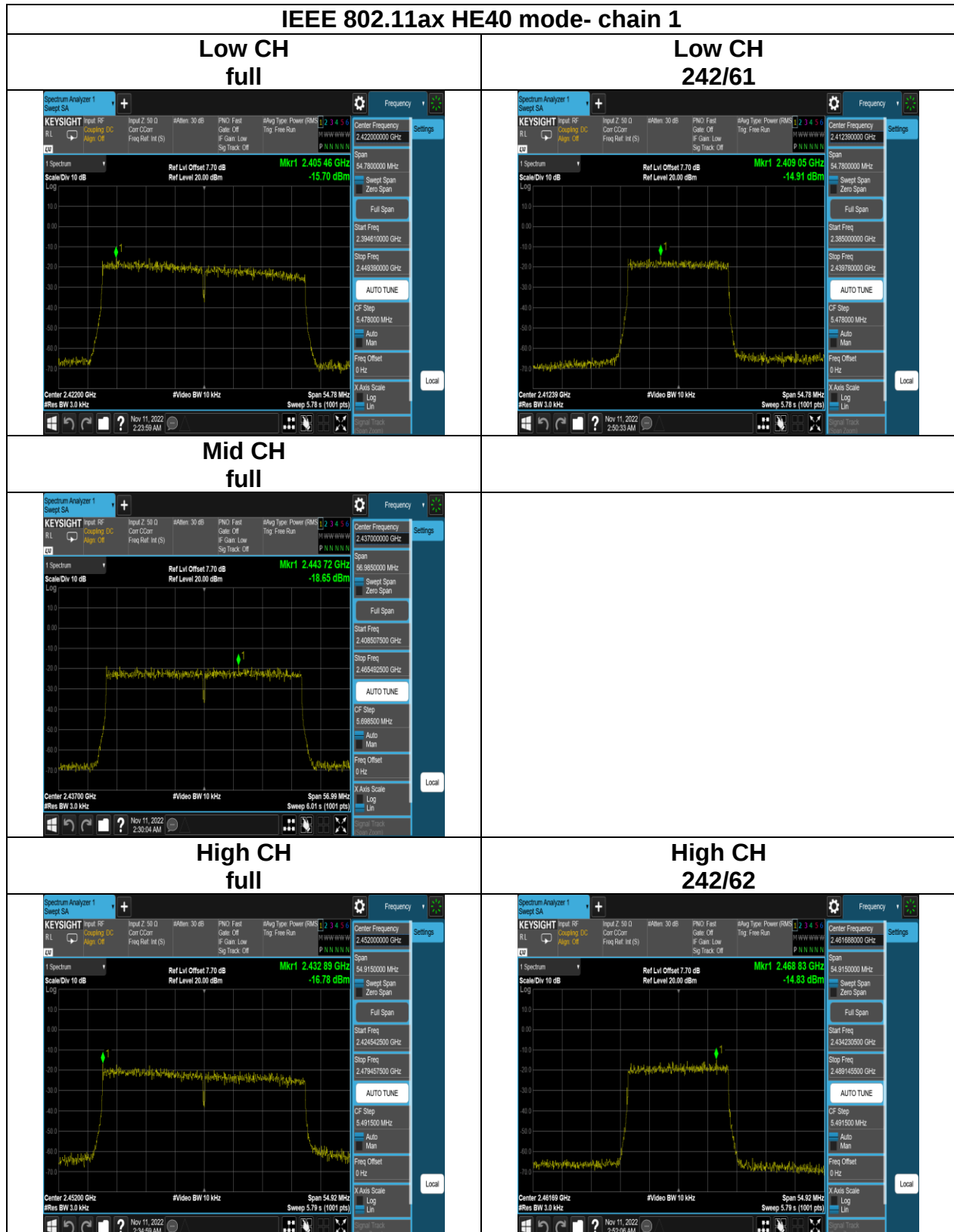


### High CH 52/40



### High CH 106/54





## 4.5 CONDUCTED BANDEDGE AND SPURIOUS EMISSION

### 4.5.1 Test Limit

According to §15.247(d), RSS-247 section 5.5,

In any 100 kHz bandwidth outside the authorized frequency band,

Non-restricted bands shall be attenuated at least 20 dB/30 dB relative to the maximum PSD level in 100 kHz by RF conducted or a radiated measurement which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a).

### 4.5.2 Test Procedure

Test method Refer as ANSI C63.10:2013.

1. EUT RF output port connected to the SA by RF cable, and the path loss was compensated to result.
2. SA setting, RBW=100kHz, VBW=300kHz, Detector=Peak, Trace mode = max hold, SWT = Auto.
3. In any 100 kHz bandwidth outside the authorized frequency band, shall be attenuated at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when conducted power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

### 4.5.3 Test Setup

