

| Straddle Channel : U-NII 1/2a Bands (160 MHz) |                 |         |          |           | Test Result          |         |                  |                   | FCC Limit (dBm) |
|-----------------------------------------------|-----------------|---------|----------|-----------|----------------------|---------|------------------|-------------------|-----------------|
| Mode                                          | Frequency (MHz) | Channel | Band     | Data Rate | Measured Power (dBm) |         | Duty Factor (dB) | Total Power (dBm) |                 |
|                                               |                 |         |          |           | Chain 0              | Chain 1 |                  | All Chain         |                 |
| 802.11ac VHT160                               | 5250            | 50      | U-NII 1  | MCS0      | 15.25                | 15.58   | 0.31             | 18.74             | 30.00           |
|                                               | 5250            | 50      | U-NII 2a | MCS0      | 14.78                | 15.10   | 0.31             | 18.27             | 23.98           |
|                                               | 5250            | 50      | Combined |           | 18.03                | 18.35   | 0.31             | 21.52             | -               |
| 802.11ax HE160                                | 5250            | 50      | U-NII 1  | MCS0      | 15.44                | 15.55   | 0.23             | 18.74             | 30.00           |
|                                               | 5250            | 50      | U-NII 2a | MCS0      | 14.85                | 14.95   | 0.23             | 18.14             | 23.98           |
|                                               | 5250            | 50      | Combined |           | 18.16                | 18.27   | 0.23             | 21.46             | -               |

| Straddle Channel : U-NII 1/2a Bands (160 MHz) |                 |         |          |           | Test Result          |         |                  |                   | ISED Limit (dBm) |
|-----------------------------------------------|-----------------|---------|----------|-----------|----------------------|---------|------------------|-------------------|------------------|
| Mode                                          | Frequency (MHz) | Channel | Band     | Data Rate | Measured Power (dBm) |         | Duty Factor (dB) | Total Power (dBm) |                  |
|                                               |                 |         |          |           | Chain 0              | Chain 1 |                  | All Chain         |                  |
| 802.11ac VHT160                               | 5250            | 50      | U-NII 1  | MCS0      | 14.97                | 14.53   | 0.31             | 18.08             | 18.65            |
|                                               | 5250            | 50      | U-NII 2a | MCS0      | 14.19                | 14.12   | 0.31             | 17.48             | 23.98            |
|                                               | 5250            | 50      | Combined |           | 17.61                | 17.34   | 0.31             | 20.80             | -                |
| 802.11ax HE160                                | 5250            | 50      | U-NII 1  | MCS0      | 14.12                | 14.99   | 0.23             | 17.82             | 18.65            |
|                                               | 5250            | 50      | U-NII 2a | MCS0      | 13.61                | 14.45   | 0.23             | 17.29             | 23.98            |
|                                               | 5250            | 50      | Combined |           | 16.88                | 17.74   | 0.23             | 20.58             | -                |

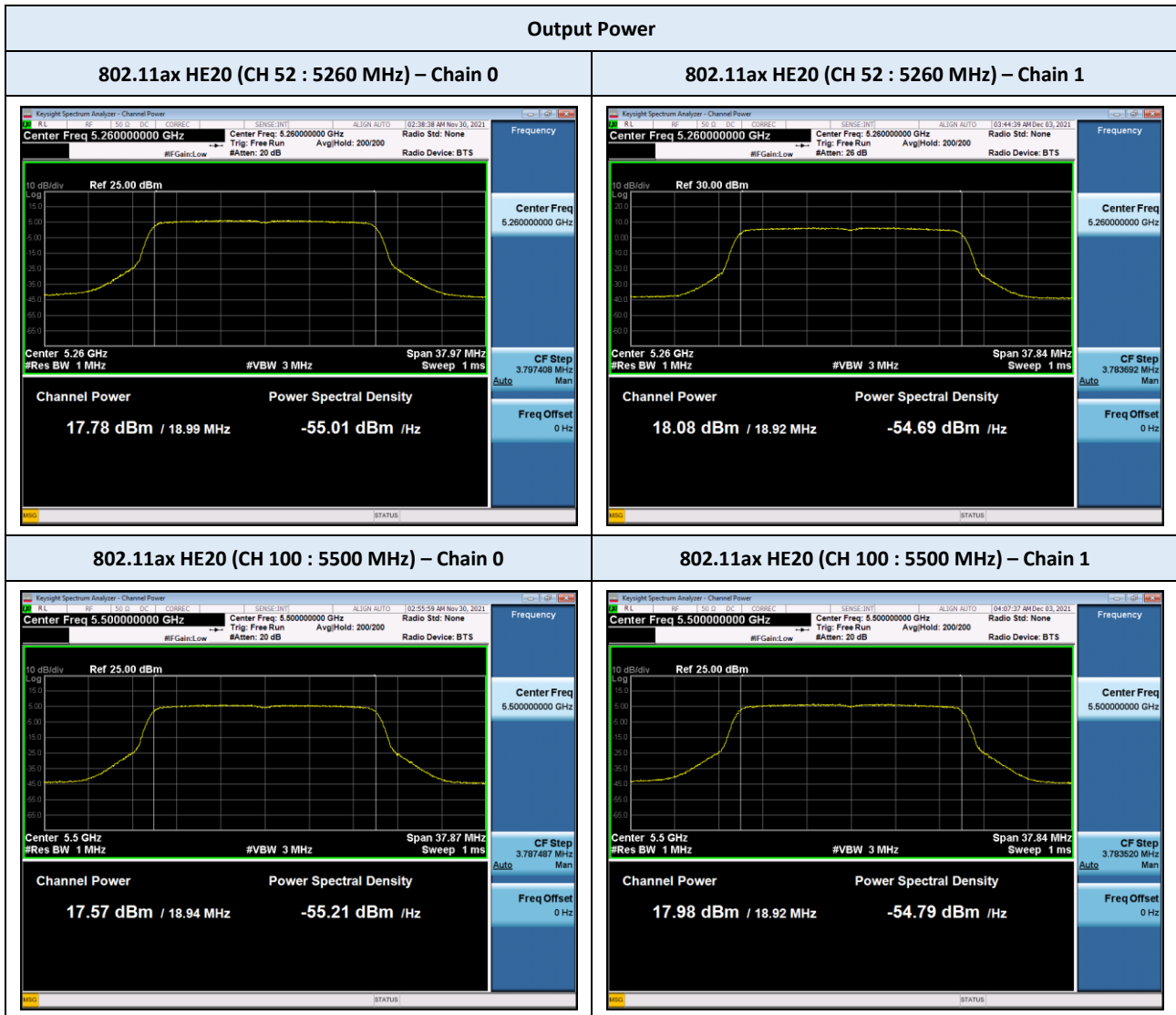
**Note :**

1. Conducted Output Power Limit :

- U-NII 1 (ISED) :  $\text{Min} [10 \log(200\text{mW}), 10+10 \log(99\% \text{OBW})] - G_{\text{ANT, Directional}} = 23.01 \text{ dBm} - 4.36 \text{ dBi} = 18.65 \text{ dBm}$
- U-NII 2a (160 MHz) :  $10 \log(250\text{mW}) = 23.98 \text{ dBm}$

2. The output power results in the table include the spectrum offset, which is a combination loss of the attenuator and the cable used for testing.

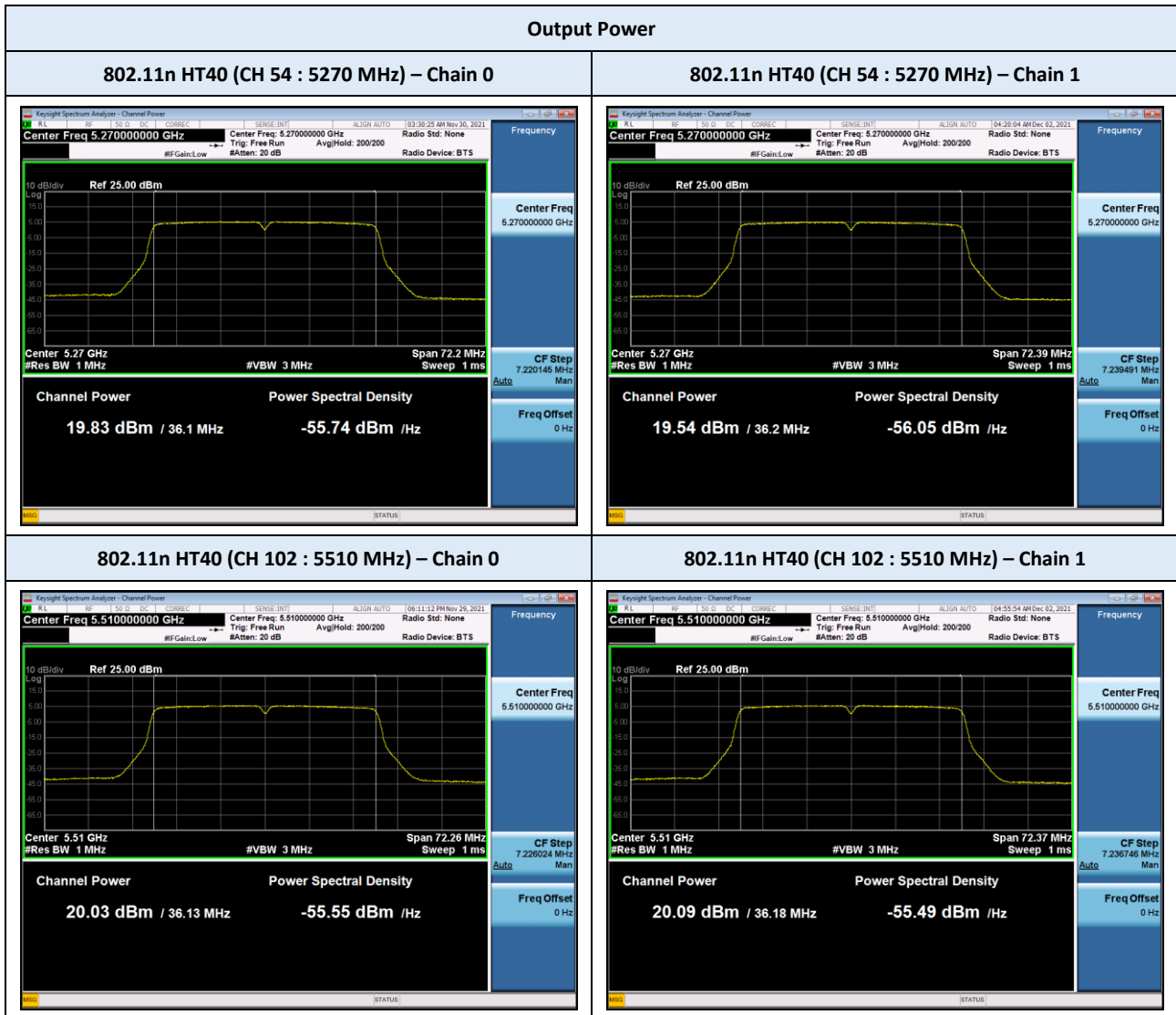
## TEST PLOTS



### Note :

The worst plots are reported for each bandwidth mode.

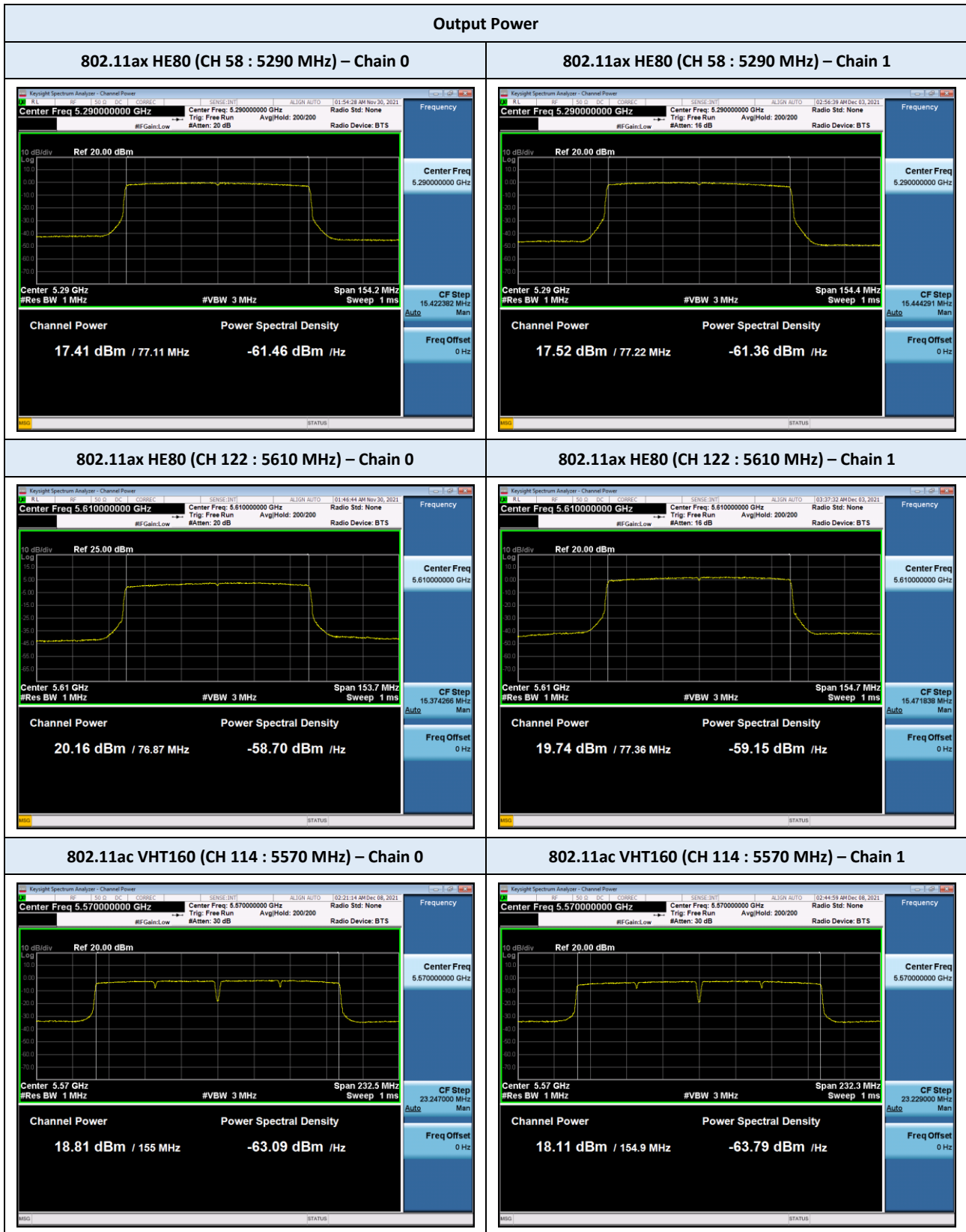
## TEST PLOTS



### Note :

The worst plots are reported for each bandwidth mode.

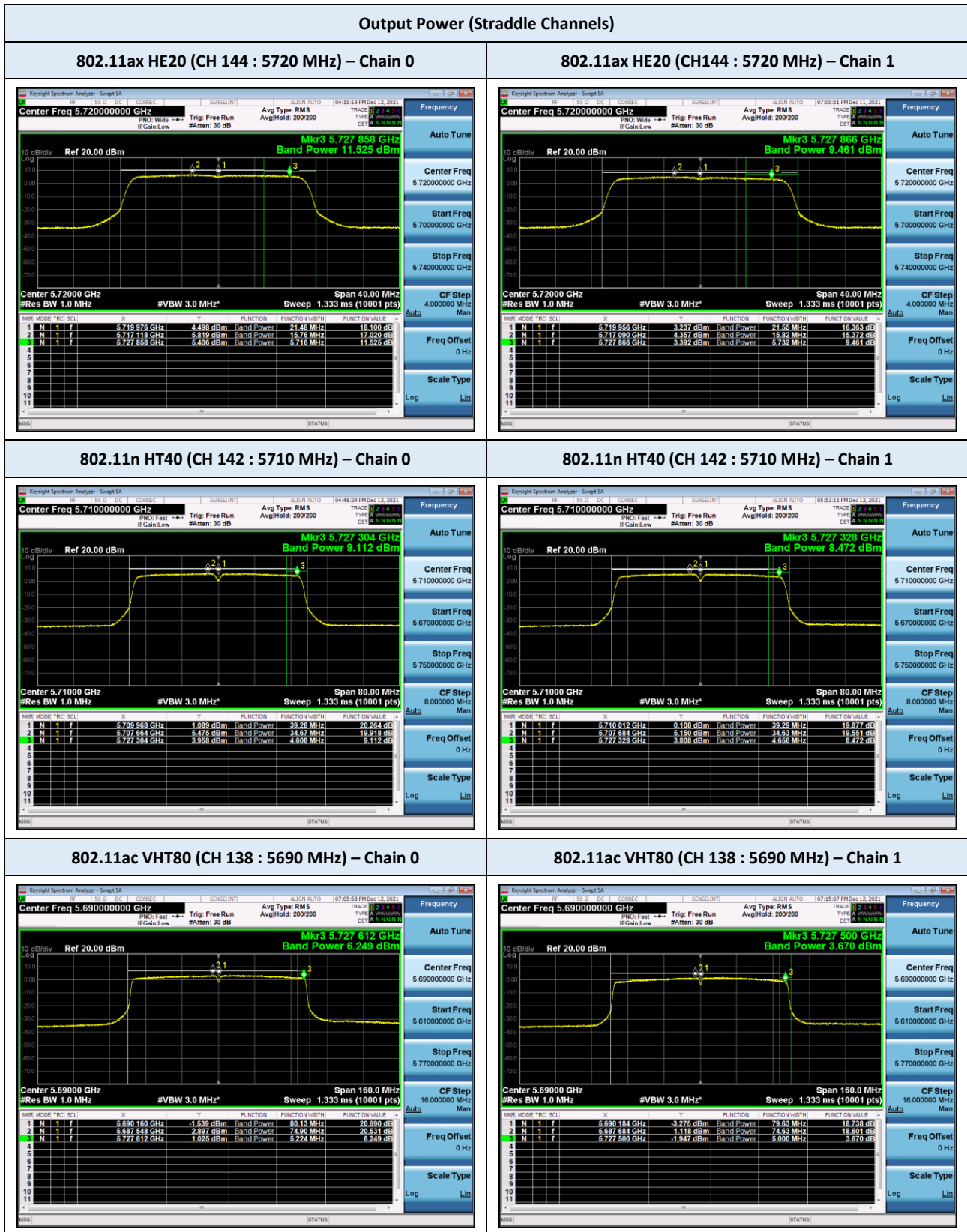
## TEST PLOTS



### Note :

The worst plots are reported for each bandwidth mode.

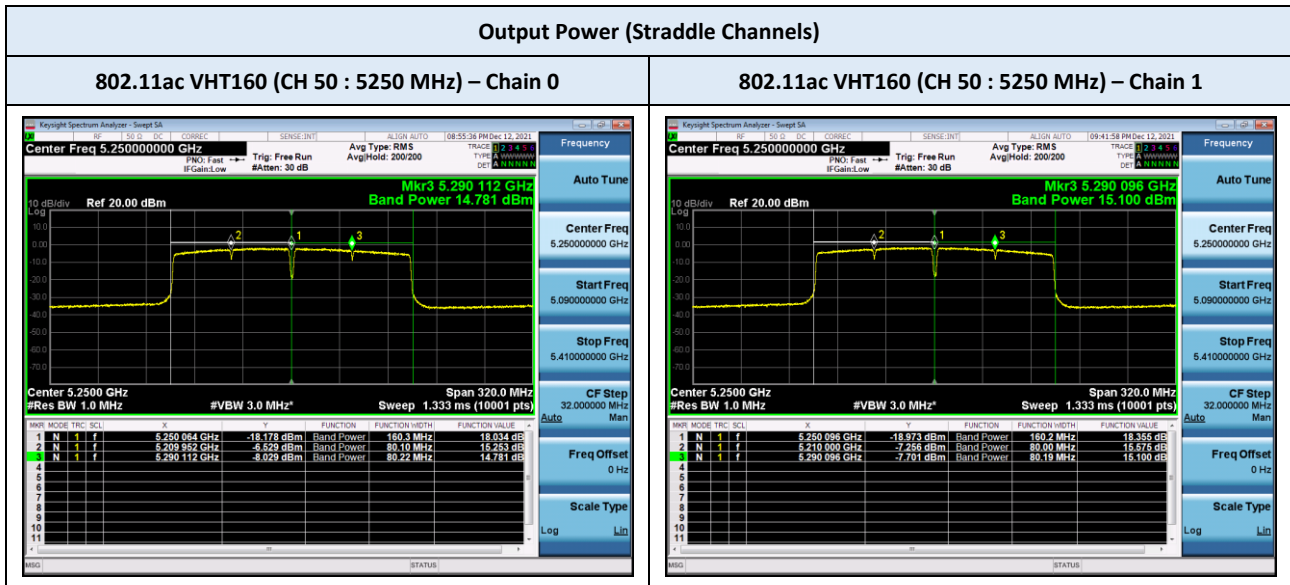
## TEST PLOTS



### Note :

The worst plots are reported for each bandwidth mode.

## TEST PLOTS



### Note :

The worst plots are reported for each bandwidth mode.

## 9.4 POWER SPECTRAL DENSITY

| U-NII 2 Band (20 MHz) |                    |         |           | Test Result               |         |                     |                        | Limit<br>(dBm/MHz) |
|-----------------------|--------------------|---------|-----------|---------------------------|---------|---------------------|------------------------|--------------------|
| Mode                  | Frequency<br>(MHz) | Channel | Data Rate | Measured PSD<br>(dBm/MHz) |         | Duty Factor<br>(dB) | Total PSD<br>(dBm/MHz) |                    |
|                       |                    |         |           | Chain 0                   | Chain 1 |                     | All Chain              |                    |
| 802.11a               | 5260               | 52      | 6 Mbps    | 5.68                      | 5.64    | 0.72                | <b>9.40</b>            | 9.63               |
|                       | 5300               | 60      | 6 Mbps    | 5.53                      | 5.49    | 0.72                | 9.24                   | 9.63               |
|                       | 5320               | 64      | 6 Mbps    | 5.82                      | 5.04    | 0.72                | 9.18                   | 9.63               |
|                       | 5500               | 100     | 6 Mbps    | 5.29                      | 5.65    | 0.72                | 9.21                   | 9.63               |
|                       | 5580               | 116     | 6 Mbps    | 5.70                      | 5.55    | 0.72                | 9.36                   | 9.63               |
|                       | 5700               | 140     | 6 Mbps    | 5.63                      | 4.54    | 0.72                | 8.85                   | 9.63               |
| 802.11n HT20          | 5260               | 52      | MCS0      | 6.13                      | 6.22    | 0.39                | <b>9.57</b>            | 9.63               |
|                       | 5300               | 60      | MCS0      | 5.56                      | 5.24    | 0.39                | 8.80                   | 9.63               |
|                       | 5320               | 64      | MCS0      | 5.67                      | 5.56    | 0.39                | 9.01                   | 9.63               |
|                       | 5500               | 100     | MCS0      | 6.02                      | 5.87    | 0.39                | 9.34                   | 9.63               |
|                       | 5580               | 116     | MCS0      | 5.80                      | 5.88    | 0.39                | 9.24                   | 9.63               |
|                       | 5700               | 140     | MCS0      | 5.87                      | 5.11    | 0.39                | 8.91                   | 9.63               |
| 802.11ax HE20         | 5260               | 52      | MCS0      | 5.60                      | 5.88    | 0.20                | 8.95                   | 9.63               |
|                       | 5300               | 60      | MCS0      | 5.79                      | 5.78    | 0.20                | 8.99                   | 9.63               |
|                       | 5320               | 64      | MCS0      | 5.69                      | 5.18    | 0.20                | 8.65                   | 9.63               |
|                       | 5500               | 100     | MCS0      | 5.68                      | 6.21    | 0.20                | <b>9.16</b>            | 9.63               |
|                       | 5580               | 116     | MCS0      | 5.96                      | 5.56    | 0.20                | 8.97                   | 9.63               |
|                       | 5700               | 140     | MCS0      | 6.04                      | 5.65    | 0.20                | 9.05                   | 9.63               |

| U-NII 2 Band (40 MHz) |                    |         |           | Test Result               |         |                     |                        | Limit<br>(dBm/MHz) |
|-----------------------|--------------------|---------|-----------|---------------------------|---------|---------------------|------------------------|--------------------|
| Mode                  | Frequency<br>(MHz) | Channel | Data Rate | Measured PSD<br>(dBm/MHz) |         | Duty Factor<br>(dB) | Total PSD<br>(dBm/MHz) |                    |
|                       |                    |         |           | Chain 0                   | Chain 1 |                     | All Chain              |                    |
| 802.11n HT40          | 5270               | 54      | MCS0      | 5.58                      | 5.26    | 0.37                | 8.81                   | 9.63               |
|                       | 5310               | 62      | MCS0      | 3.54                      | 3.47    | 0.37                | 6.88                   | 9.63               |
|                       | 5510               | 102     | MCS0      | 5.92                      | 5.81    | 0.37                | <b>9.24</b>            | 9.63               |
|                       | 5550               | 110     | MCS0      | 5.74                      | 5.14    | 0.37                | 8.83                   | 9.63               |
|                       | 5670               | 134     | MCS0      | 5.76                      | 4.87    | 0.37                | 8.72                   | 9.63               |
| 802.11ax HE40         | 5270               | 54      | MCS0      | 5.43                      | 5.17    | 0.20                | <b>8.51</b>            | 9.63               |
|                       | 5310               | 62      | MCS0      | 3.08                      | 3.21    | 0.20                | 6.35                   | 9.63               |
|                       | 5510               | 102     | MCS0      | 5.22                      | 5.04    | 0.20                | 8.34                   | 9.63               |
|                       | 5550               | 110     | MCS0      | 5.09                      | 4.58    | 0.20                | 8.05                   | 9.63               |
|                       | 5670               | 134     | MCS0      | 5.40                      | 4.87    | 0.20                | 8.35                   | 9.63               |

### Note :

1. Conducted PSD limit :  $11 \text{ dBm/MHz} - \Delta(G_{\text{ANT}} \text{ exceeding from } 6 \text{ dBi}) = 11 \text{ dBm/MHz} - (7.37 - 6) \text{ dBi} = 9.63 \text{ dBm/MHz}$
2. The power spectral density results in the table include the spectrum offset, which is a combination loss of the attenuator and the cable used for testing.

| U-NII 2 Band (80 MHz) |                    |         |              | Test Result               |         |                        |                        | Limit<br>(dBm/MHz) |
|-----------------------|--------------------|---------|--------------|---------------------------|---------|------------------------|------------------------|--------------------|
| Mode                  | Frequency<br>(MHz) | Channel | Data<br>Rate | Measured PSD<br>(dBm/MHz) |         | Duty<br>Factor<br>(dB) | Total PSD<br>(dBm/MHz) |                    |
|                       |                    |         |              | Chain 0                   | Chain 1 |                        | All Chain              |                    |
| 802.11ac VHT80        | 5290               | 58      | MCS0         | 0.33                      | -1.67   | 0.40                   | 2.85                   | 9.63               |
|                       | 5530               | 106     | MCS0         | 2.20                      | -0.28   | 0.40                   | 4.54                   | 9.63               |
|                       | 5610               | 122     | MCS0         | 2.80                      | 0.43    | 0.40                   | <b>5.18</b>            | 9.63               |
| 802.11ax HE80         | 5290               | 58      | MCS0         | -0.27                     | 0.13    | 0.25                   | 3.20                   | 9.63               |
|                       | 5530               | 106     | MCS0         | 2.14                      | 1.76    | 0.25                   | 5.22                   | 9.63               |
|                       | 5610               | 122     | MCS0         | 2.80                      | 2.40    | 0.25                   | <b>5.86</b>            | 9.63               |

| U-NII 2 Band (160 MHz) |                    |         |              | Test Result               |         |                        |                        | Limit<br>(dBm/MHz) |
|------------------------|--------------------|---------|--------------|---------------------------|---------|------------------------|------------------------|--------------------|
| Mode                   | Frequency<br>(MHz) | Channel | Data<br>Rate | Measured PSD<br>(dBm/MHz) |         | Duty<br>Factor<br>(dB) | Total PSD<br>(dBm/MHz) |                    |
|                        |                    |         |              | Chain 0                   | Chain 1 |                        | All Chain              |                    |
| 802.11ac VHT160        | 5570               | 114     | MCS0         | -1.89                     | -2.64   | 0.31                   | <b>1.08</b>            | 9.63               |
| 802.11ax HE160         | 5570               | 114     | MCS0         | -2.11                     | -2.22   | 0.23                   | <b>1.08</b>            | 9.63               |

**Note :**

1. Conducted PSD limit : 11 dBm/MHz –  $\Delta(G_{ANT} \text{ exceeding from } 6 \text{ dBi}) = 11 \text{ dBm/MHz} - (7.37 - 6) \text{ dBi} = 9.63 \text{ dBm/MHz}$
2. The power spectral density results in the table include the spectrum offset, which is a combination loss of the attenuator and the cable used for testing.

| Straddle Channel : U-NII 2c/3 Bands (20 MHz) |                    |         |              |        | Test Result               |         |                        |                        | Limit<br>(dBm/MHz)<br>(dBm/500kHz) |
|----------------------------------------------|--------------------|---------|--------------|--------|---------------------------|---------|------------------------|------------------------|------------------------------------|
| Mode                                         | Frequency<br>(MHz) | Channel | Data<br>Rate | Band   | Measured PSD<br>(dBm/MHz) |         | Duty<br>Factor<br>(dB) | Total PSD<br>(dBm/MHz) |                                    |
|                                              |                    |         |              |        | Chain 0                   | Chain 1 |                        | All Chain              |                                    |
| 802.11a                                      | 5720               | 144     | U-NII 2c     | 6 Mbps | 6.54                      | 4.43    | 0.72                   | 9.35                   | 9.63                               |
|                                              | 5720               | 144     | U-NII 3      | 6 Mbps | 2.97                      | 0.77    | 0.72                   | 5.74                   | 28.63                              |
| 802.11n HT20                                 | 5720               | 144     | U-NII 2c     | MCS0   | 6.49                      | 4.46    | 0.39                   | 8.99                   | 9.63                               |
|                                              | 5720               | 144     | U-NII 3      | MCS0   | 2.95                      | 0.93    | 0.39                   | 5.45                   | 28.63                              |
| 802.11ax HE20                                | 5720               | 144     | U-NII 2c     | MCS0   | 6.73                      | 5.28    | 0.20                   | 9.27                   | 9.63                               |
|                                              | 5720               | 144     | U-NII 3      | MCS0   | 2.89                      | 0.94    | 0.20                   | 5.23                   | 28.63                              |

| Straddle Channel : U-NII 2c/3 Bands (40 MHz) |                    |         |              |      | Test Result               |         |                        |                        | Limit<br>(dBm/MHz)<br>(dBm/500kHz) |
|----------------------------------------------|--------------------|---------|--------------|------|---------------------------|---------|------------------------|------------------------|------------------------------------|
| Mode                                         | Frequency<br>(MHz) | Channel | Data<br>Rate | Band | Measured PSD<br>(dBm/MHz) |         | Duty<br>Factor<br>(dB) | Total PSD<br>(dBm/MHz) |                                    |
|                                              |                    |         |              |      | Chain 0                   | Chain 1 |                        | All Chain              |                                    |
| 802.11n HT40                                 | 5710               | 142     | U-NII 2c     | MCS0 | 6.11                      | 5.89    | 0.37                   | 9.38                   | 9.63                               |
|                                              | 5710               | 142     | U-NII 3      | MCS0 | 1.18                      | 0.38    | 0.37                   | 4.18                   | 28.63                              |
| 802.11ax HE40                                | 5710               | 142     | U-NII 2c     | MCS0 | 5.99                      | 5.52    | 0.20                   | 8.97                   | 9.63                               |
|                                              | 5710               | 142     | U-NII 3      | MCS0 | 0.58                      | 0.05    | 0.20                   | 3.53                   | 28.63                              |

| Straddle Channel : U-NII 2c/3 Bands (80 MHz) |                    |         |              |      | Test Result               |         |                        |                        | Limit<br>(dBm/MHz)<br>(dBm/500kHz) |
|----------------------------------------------|--------------------|---------|--------------|------|---------------------------|---------|------------------------|------------------------|------------------------------------|
| Mode                                         | Frequency<br>(MHz) | Channel | Data<br>Rate | Band | Measured PSD<br>(dBm/MHz) |         | Duty<br>Factor<br>(dB) | Total PSD<br>(dBm/MHz) |                                    |
|                                              |                    |         |              |      | Chain 0                   | Chain 1 |                        | All Chain              |                                    |
| 802.11ac VHT80                               | 5690               | 138     | U-NII 2c     | MCS0 | 3.49                      | 2.00    | 0.40                   | 6.21                   | 9.63                               |
|                                              | 5690               | 138     | U-NII 3      | MCS0 | -1.96                     | -4.38   | 0.40                   | 0.40                   | 28.63                              |
| 802.11ax HE80                                | 5690               | 138     | U-NII 2c     | MCS0 | 3.32                      | 2.20    | 0.25                   | 6.06                   | 9.63                               |
|                                              | 5690               | 138     | U-NII 3      | MCS0 | -2.33                     | -4.42   | 0.25                   | 0.02                   | 28.63                              |

**Note :**

1. Conducted PSD limit :

- U-NII 2c :  $11 \text{ dBm/MHz} - \Delta(G_{\text{ANT}} \text{ exceeding from } 6 \text{ dBi}) = 11 \text{ dBm/MHz} - (7.37 - 6) \text{ dBi} = 9.63 \text{ dBm/MHz}$
- U-NII 3 :  $30 \text{ dBm/500kHz} - \Delta(G_{\text{ANT}} \text{ exceeding from } 6 \text{ dBi}) = 30 \text{ dBm/500kHz} - (7.37 - 6) \text{ dBi} = 28.63 \text{ dBm/500kHz}$

2. The power spectral density results in the table include the spectrum offset, which is a combination loss of the attenuator and the cable used for testing.

| Straddle Channel : U-NII 1/2a Bands (160 MHz) |                    |         |              |      | Test Result               |         |                        |                        | FCC Limit<br>(dBm/MHz) |
|-----------------------------------------------|--------------------|---------|--------------|------|---------------------------|---------|------------------------|------------------------|------------------------|
| Mode                                          | Frequency<br>(MHz) | Channel | Date<br>Rate | Band | Measured PSD<br>(dBm/MHz) |         | Duty<br>Factor<br>(dB) | Total PSD<br>(dBm/MHz) |                        |
|                                               |                    |         |              |      | Chain 0                   | Chain 1 |                        | All Chain              |                        |
| 802.11ac VHT160                               | 5250               | 50      | U-NII 1      | MCS0 | -1.27                     | -1.29   | 0.40                   | 2.13                   | 15.63                  |
|                                               | 5250               | 50      | U-NII 2a     | MCS0 | -1.16                     | -0.85   | 0.40                   | 2.40                   | 9.63                   |
| 802.11ax HE160                                | 5250               | 50      | U-NII 1      | MCS0 | -1.48                     | -1.10   | 0.25                   | 1.98                   | 15.63                  |
|                                               | 5250               | 50      | U-NII 2a     | MCS0 | -1.35                     | -0.64   | 0.25                   | 2.29                   | 9.63                   |

| Straddle Channel : U-NII 1/2a Bands (160 MHz) |                    |         |              |      | Test Result               |         |                        |                        | ISED Limit<br>(dBm/MHz) |
|-----------------------------------------------|--------------------|---------|--------------|------|---------------------------|---------|------------------------|------------------------|-------------------------|
| Mode                                          | Frequency<br>(MHz) | Channel | Date<br>Rate | Band | Measured PSD<br>(dBm/MHz) |         | Duty<br>Factor<br>(dB) | Total PSD<br>(dBm/MHz) |                         |
|                                               |                    |         |              |      | Chain 0                   | Chain 1 |                        | All Chain              |                         |
| 802.11ac VHT160                               | 5250               | 50      | U-NII 1      | MCS0 | -1.84                     | -1.94   | 0.40                   | 1.52                   | 2.63                    |
|                                               | 5250               | 50      | U-NII 2a     | MCS0 | -1.74                     | -1.95   | 0.40                   | 1.57                   | 9.63                    |
| 802.11ax HE160                                | 5250               | 50      | U-NII 1      | MCS0 | -2.65                     | -1.71   | 0.25                   | 1.11                   | 2.63                    |
|                                               | 5250               | 50      | U-NII 2a     | MCS0 | -2.68                     | -1.71   | 0.25                   | 1.10                   | 9.63                    |

**Note :**

- Conducted PSD limit (FCC) :
  - U-NII 1 :  $17 \text{ dBm/MHz} - \Delta(G_{\text{ANT}} \text{ exceeding from } 6 \text{ dBi}) = 17 \text{ dBm/MHz} - (7.37 - 6) \text{ dBi} = 15.63 \text{ dBm/MHz}$
  - U-NII 2a :  $11 \text{ dBm/MHz} - \Delta(G_{\text{ANT}} \text{ exceeding from } 6 \text{ dBi}) = 11 \text{ dBm/MHz} - (7.37 - 6) \text{ dBi} = 9.63 \text{ dBm/MHz}$
- Conducted PSD limit (ISED) : Indoor use
  - U-NII 1 :  $10 \text{ dBm/MHz} - G_{\text{ANT}} = 10 \text{ dBm/MHz} - 7.37 \text{ dBi} = 2.63 \text{ dBm/MHz}$
  - U-NII 2a :  $11 \text{ dBm/MHz} - \Delta(G_{\text{ANT}} \text{ exceeding from } 6 \text{ dBi}) = 11 \text{ dBm/MHz} - (7.37 - 6) \text{ dBi} = 9.63 \text{ dBm/MHz}$
- The power spectral density results in the table include the spectrum offset, which is a combination loss of the attenuator and the cable used for testing.

## TEST PLOTS



### Note :

The worst plots are reported for each bandwidth mode.

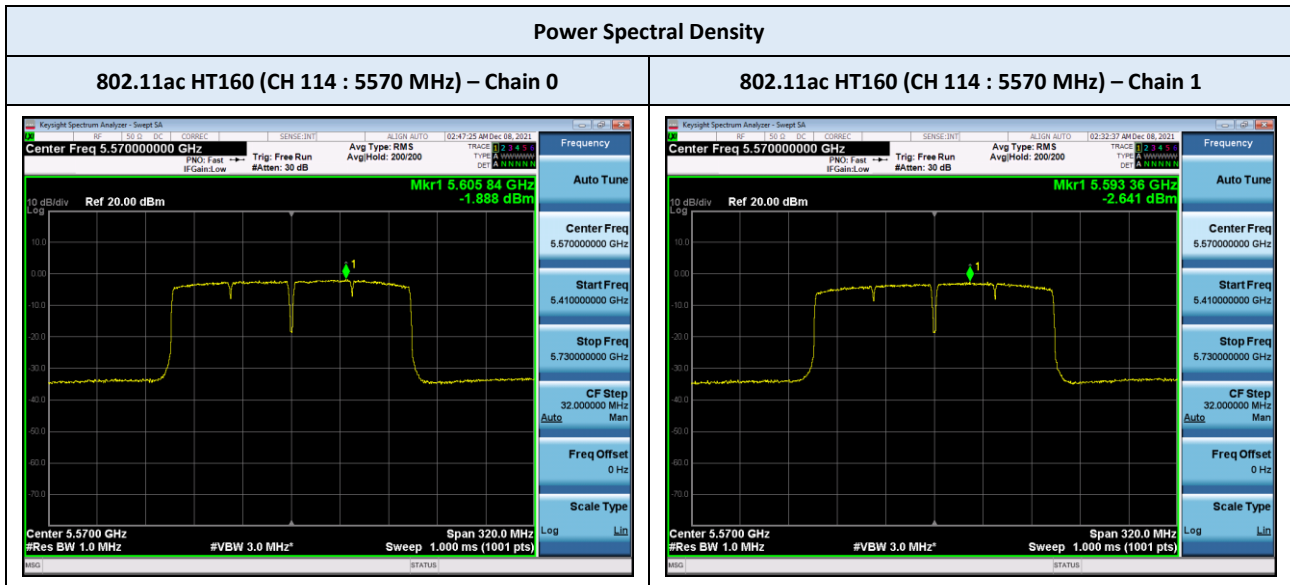
## TEST PLOTS



### Note :

The worst plots are reported for each bandwidth mode.

## TEST PLOTS



### Note :

The worst plots are reported for each bandwidth mode.

## TEST PLOTS



### Note :

The worst plots are reported for each bandwidth mode.

## TEST PLOTS



### Note :

The worst plots are reported for each bandwidth mode.

## TEST PLOTS

### Power Spectral Density (Straddle Channels)

802.11ac VHT80 (CH 138 : 5690 MHz) in U-NII 2c – Chain 0



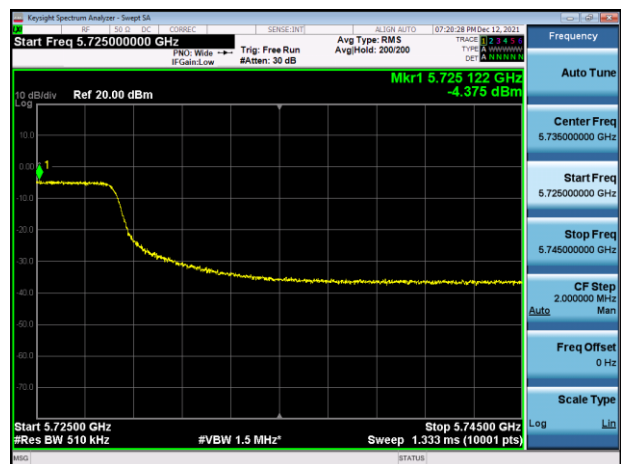
802.11ac VHT80 (CH 138 : 5690 MHz) in U-NII 3 – Chain 0



802.11ac VHT80 (CH 138 : 5690 MHz) in U-NII 2c – Chain 1



802.11ac VHT80 (CH 138 : 5690 MHz) in U-NII 3 – Chain 0



### Note :

The worst plots are reported for each bandwidth mode.

## TEST PLOTS

### Power Spectral Density (Straddle Channels)

802.11ac VHT160 (CH 114 : 5570 MHz) in U-NII 1 – Chain 0



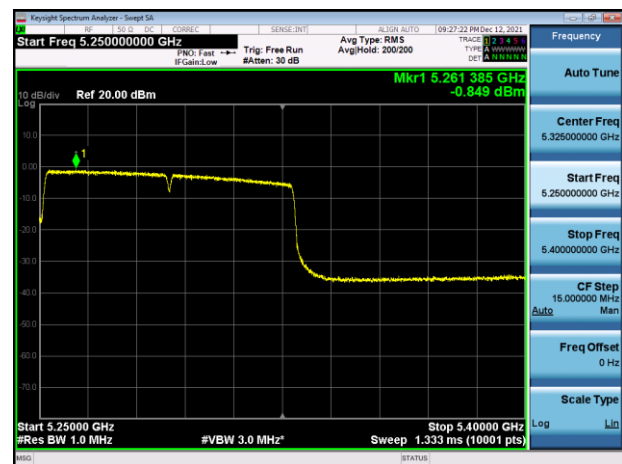
802.11ac VHT160 (CH 114 : 5570 MHz) in U-NII 2a – Chain 0



802.11ac VHT160 (CH 114 : 5570 MHz) in U-NII 1 – Chain 1



802.11ac VHT160 (CH 114 : 5570 MHz) in U-NII 2a – Chain 1



### Note :

The worst plots are reported for each bandwidth mode.

## 9.5 FREQUENCY STABILITY

|                       |                          |
|-----------------------|--------------------------|
| Operating Band :      | U-NII Band 2a            |
| Operating Frequency : | 5,260,000,000 Hz (CH 52) |
| Reference Voltage :   | 5 V d.c.                 |

| Voltage (%) | Power (V d.c.) | Temp (°C) | Frequency error (ppm) |           |           |            |
|-------------|----------------|-----------|-----------------------|-----------|-----------|------------|
|             |                |           | 0 minutes             | 2 minutes | 5 minutes | 10 minutes |
| 100%        | 5.0            | +20 (Ref) | 6.02                  | 6.71      | 7.25      | 7.56       |
| 100%        |                | -30       | 14.66                 | 14.23     | 13.98     | 13.85      |
| 100%        |                | -20       | 15.94                 | 16.23     | 16.43     | 16.52      |
| 100%        |                | -10       | 16.93                 | 16.89     | 16.80     | 16.73      |
| 100%        |                | 0         | 15.90                 | 15.56     | 15.18     | 14.92      |
| 100%        |                | +10       | 13.28                 | 12.63     | 12.07     | 11.79      |
| 100%        |                | +30       | 5.02                  | 4.45      | 4.16      | 3.97       |
| 100%        |                | +40       | 2.05                  | 1.41      | 0.90      | 0.53       |
| 100%        |                | +50       | -0.98                 | -1.24     | -1.48     | -1.71      |
| 115%        | 5.8            | +20       | 9.92                  | 9.06      | 8.35      | 7.98       |
| 85%         | 4.3            | +20       | 7.94                  | 7.88      | 7.87      | 7.74       |

|                       |                           |
|-----------------------|---------------------------|
| Operating Band :      | U-NII Band 2c             |
| Operating Frequency : | 5,500,000,000 Hz (CH 100) |
| Reference Voltage :   | 5 V d.c.                  |

| Voltage (%) | Power (V d.c.) | Temp (°C) | Frequency error (ppm) |           |           |            |
|-------------|----------------|-----------|-----------------------|-----------|-----------|------------|
|             |                |           | 0 minutes             | 2 minutes | 5 minutes | 10 minutes |
| 100%        | 5.0            | +20 (Ref) | 7.50                  | 7.56      | 7.64      | 7.69       |
| 100%        |                | -30       | 14.85                 | 14.43     | 14.04     | 13.93      |
| 100%        |                | -20       | 16.01                 | 16.31     | 16.46     | 16.53      |
| 100%        |                | -10       | 16.94                 | 16.87     | 16.80     | 16.75      |
| 100%        |                | 0         | 15.97                 | 15.52     | 15.22     | 14.97      |
| 100%        |                | +10       | 13.53                 | 12.81     | 12.21     | 11.84      |
| 100%        |                | +30       | 6.85                  | 5.59      | 4.86      | 4.25       |
| 100%        |                | +40       | 2.48                  | 1.64      | 1.04      | 0.69       |
| 100%        |                | +50       | -0.79                 | -1.41     | -1.72     | -1.82      |
| 115%        | 5.8            | +20       | 7.68                  | 7.70      | 7.69      | 7.71       |
| 85%         | 4.3            | +20       | 7.69                  | 7.69      | 7.70      | 7.75       |

### Note:

According to the results of the frequency stability test above, the frequency deviation measured are very small. The channels at the band edge should remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore, the Radio frequency should remain in-band during operation over the temperature and voltage range as tested.

## 9.6 RADIATED SPURIOUS EMISSIONS

Frequency Range : Below 1 GHz

Test Mode 802.11a : TX mode  
Operating Frequency 5260 MHz (CH 52)

| Frequency (MHz) | Polarization | Reading (dBuV) | Corr. <sup>1)</sup> (dB) | Total (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Measurement Type |
|-----------------|--------------|----------------|--------------------------|----------------|----------------|-------------|------------------|
| 38.861          | V            | 38.2           | -6.1                     | 32.1           | 40             | 7.9         | QP               |
| 55.403          | V            | 49.9           | -13.5                    | 36.4           | 40             | 3.6         | QP               |
| 107.855         | V            | 42.2           | -7.6                     | 34.6           | 43.5           | 8.9         | QP               |
| 249.995         | V            | 35.2           | -7.9                     | 27.3           | 46             | 18.7        | QP               |
| 250.010         | H            | 35.3           | -7.9                     | 27.4           | 46             | 18.6        | QP               |

Test Mode 802.11a : TX mode  
Operating Frequency 5300 MHz (CH 60)

| Frequency (MHz) | Polarization | Reading (dBuV) | Corr. <sup>1)</sup> (dB) | Total (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Measurement Type |
|-----------------|--------------|----------------|--------------------------|----------------|----------------|-------------|------------------|
| 37.884          | V            | 36.0           | -5.5                     | 30.5           | 40             | 9.5         | QP               |
| 55.545          | V            | 49.5           | -13.4                    | 36.1           | 40             | 3.9         | QP               |
| 106.626         | V            | 41.6           | -7.7                     | 33.9           | 43.5           | 9.6         | QP               |
| 161.106         | V            | 36.1           | -7.1                     | 29.0           | 43.5           | 14.5        | QP               |
| 250.004         | V            | 34.7           | -7.9                     | 26.8           | 46             | 19.2        | QP               |
| 250.007         | H            | 37.0           | -7.9                     | 29.1           | 46             | 16.9        | QP               |
| 500.011         | H            | 33.2           | -2.2                     | 31.0           | 46             | 15.0        | QP               |

Test Mode 802.11a : TX mode  
Operating Frequency 5320 MHz (CH 64)

| Frequency (MHz) | Polarization | Reading (dBuV) | Corr. <sup>1)</sup> (dB) | Total (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Measurement Type |
|-----------------|--------------|----------------|--------------------------|----------------|----------------|-------------|------------------|
| 39.274          | V            | 37.7           | -6.4                     | 31.3           | 40             | 8.7         | QP               |
| 55.628          | V            | 49.2           | -13.4                    | 35.8           | 40             | 4.2         | QP               |
| 107.519         | V            | 42.7           | -7.6                     | 35.1           | 43.5           | 8.4         | QP               |
| 161.944         | V            | 36.8           | -7.2                     | 29.6           | 43.5           | 13.9        | QP               |
| 249.991         | H            | 36.1           | -7.9                     | 28.2           | 46             | 17.8        | QP               |
| 249.999         | V            | 35.7           | -7.9                     | 27.8           | 46             | 18.2        | QP               |
| 499.998         | H            | 29.7           | -2.2                     | 27.5           | 46             | 18.5        | QP               |

### Note(s) :

1. Correction Factor: Antenna Factor + Cable loss + Preamplifier Gain