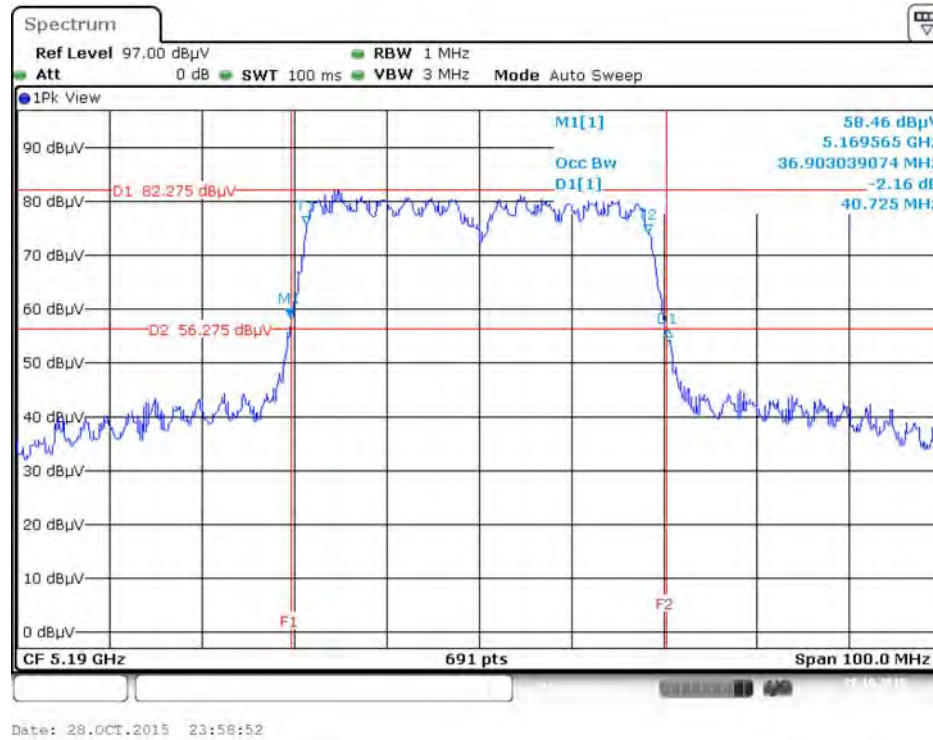
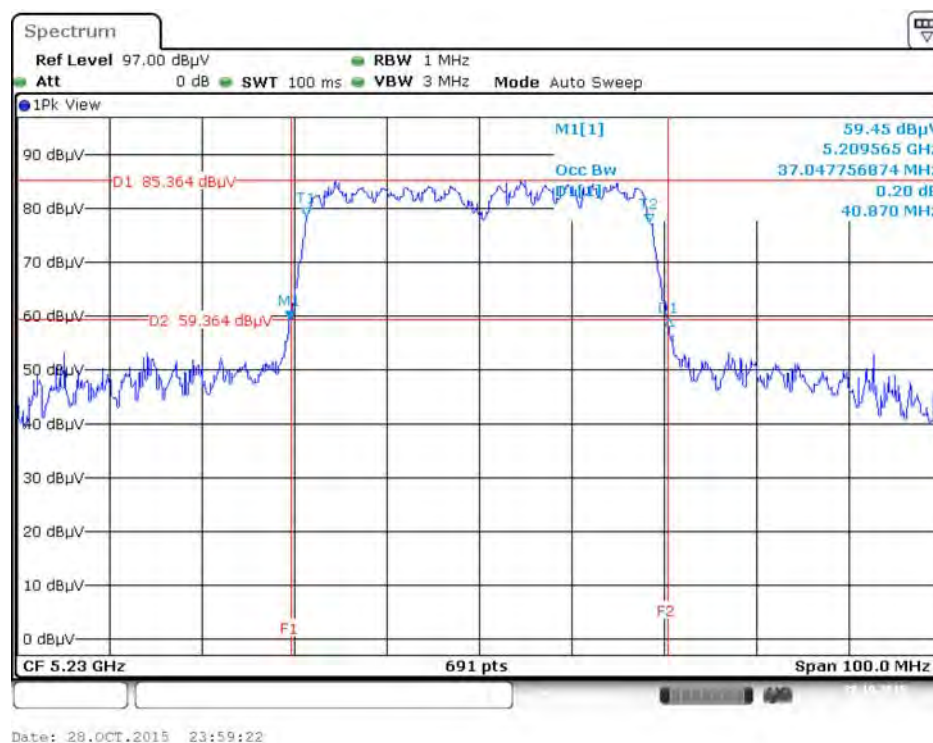


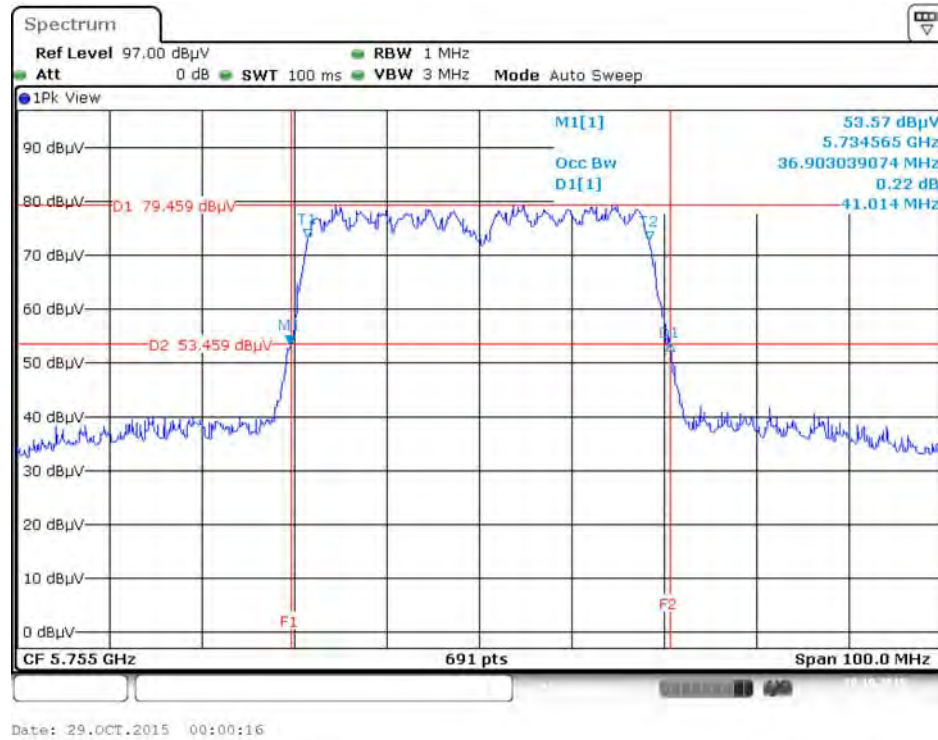
26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5190 MHz



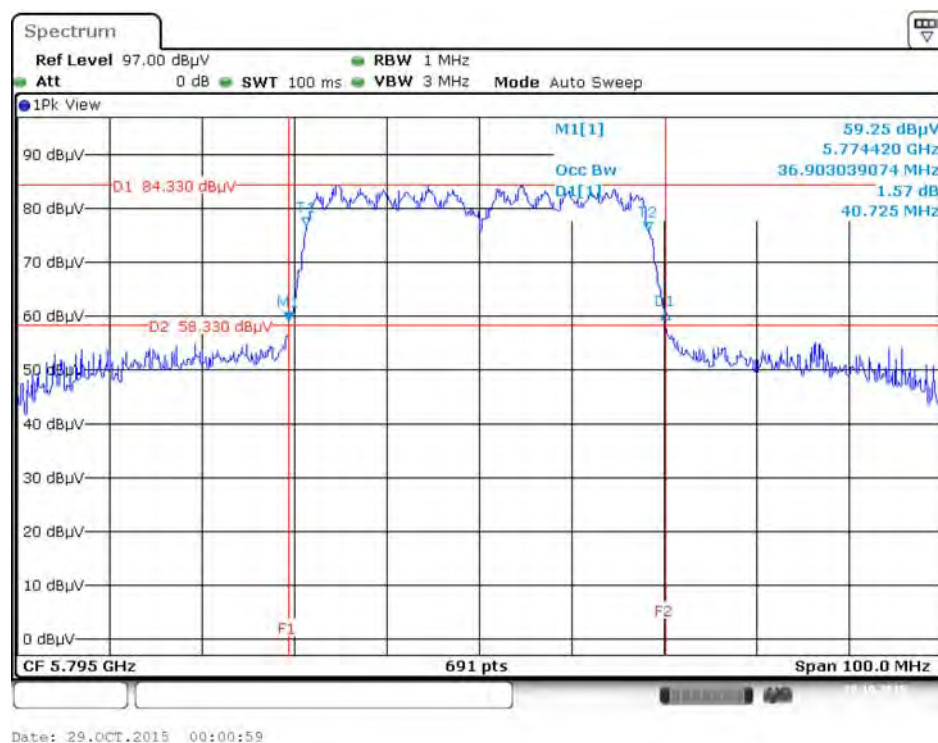
26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5230 MHz



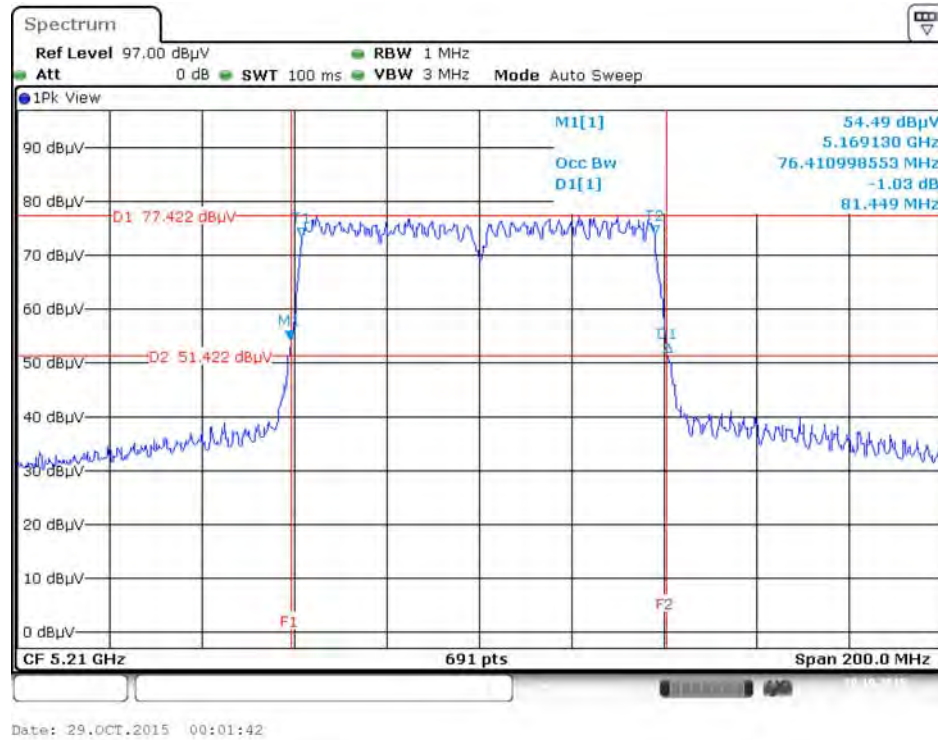
26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5755 MHz



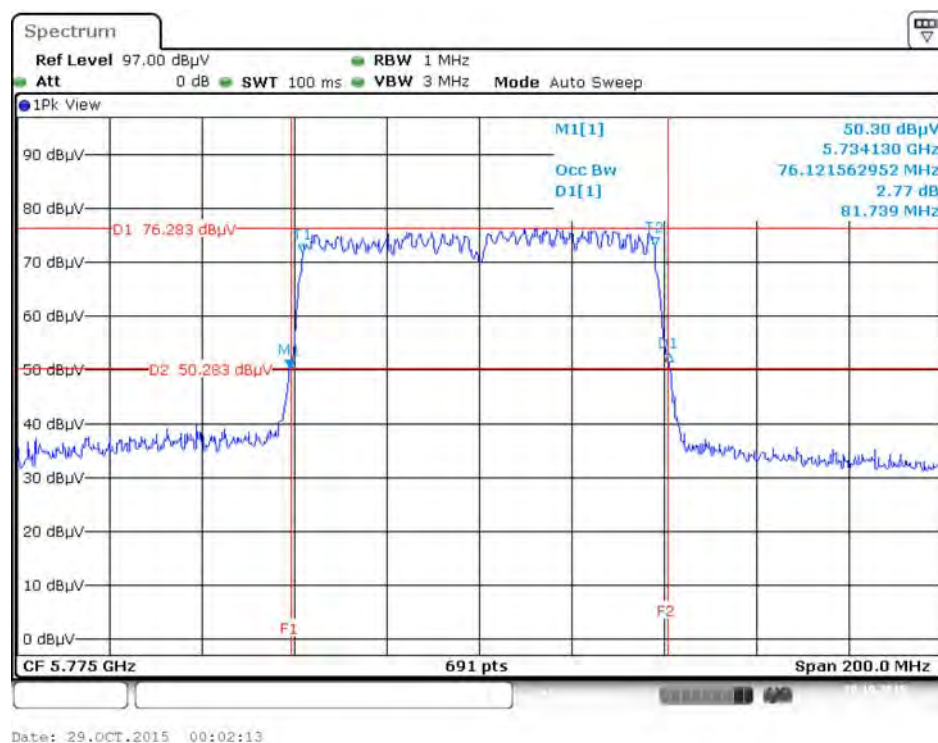
26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5795 MHz



26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5210 MHz



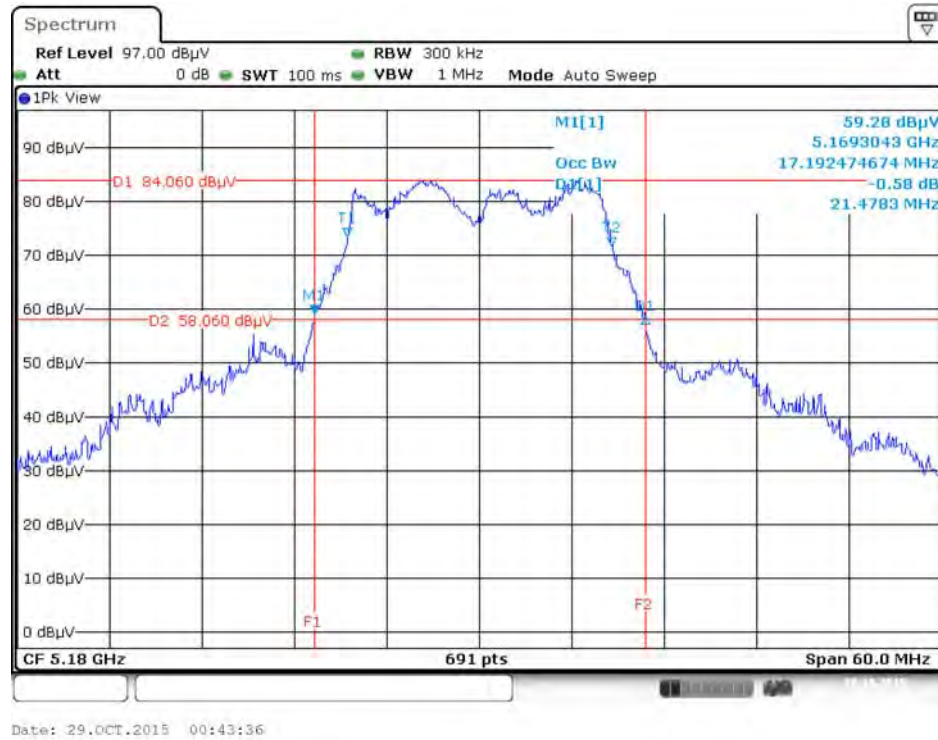
26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5775 MHz



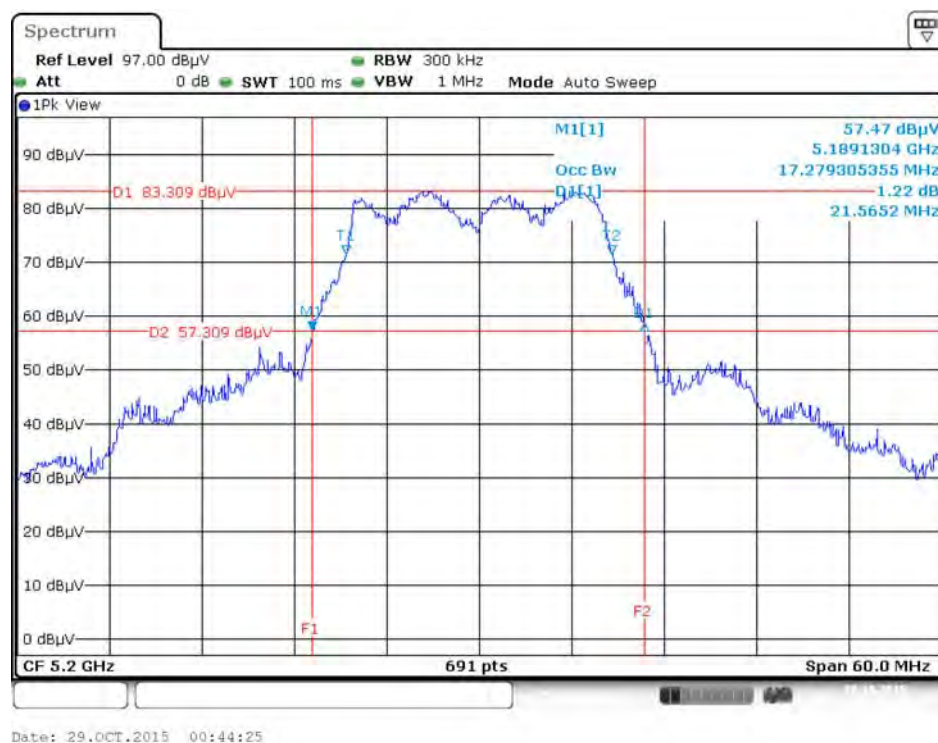


Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)

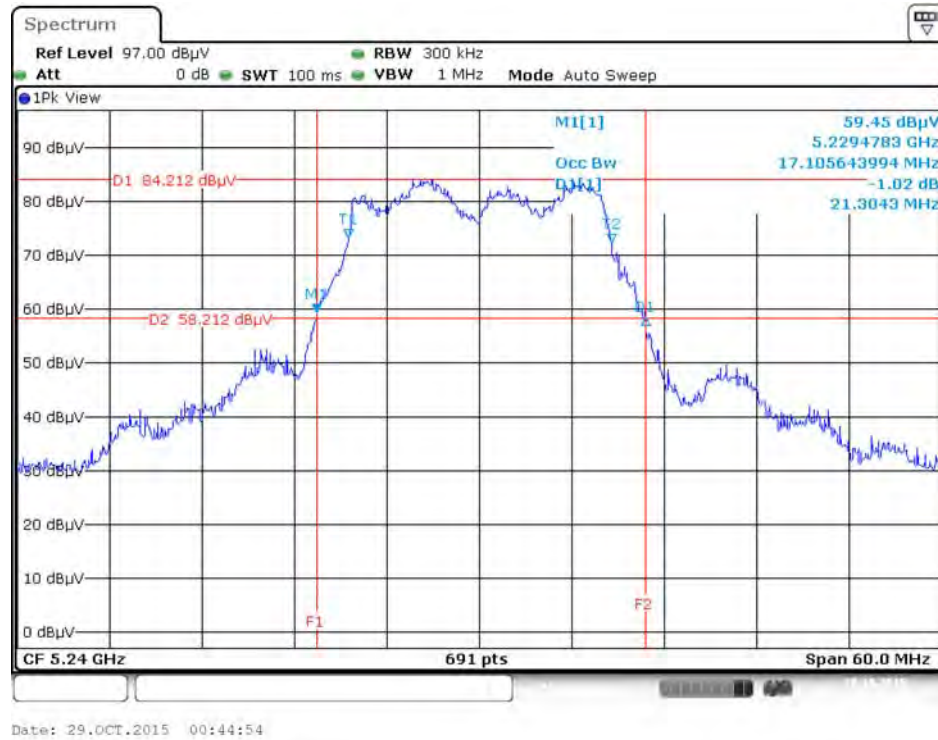
26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2  
+ Chain 3 / 5180 MHz



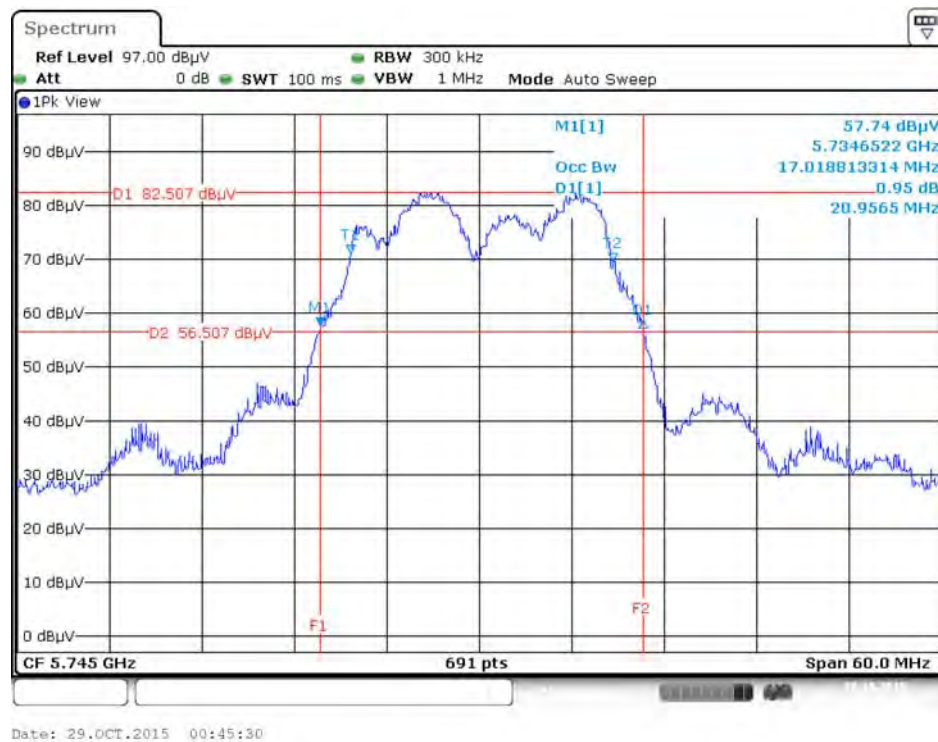
26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2  
+ Chain 3 / 5200 MHz



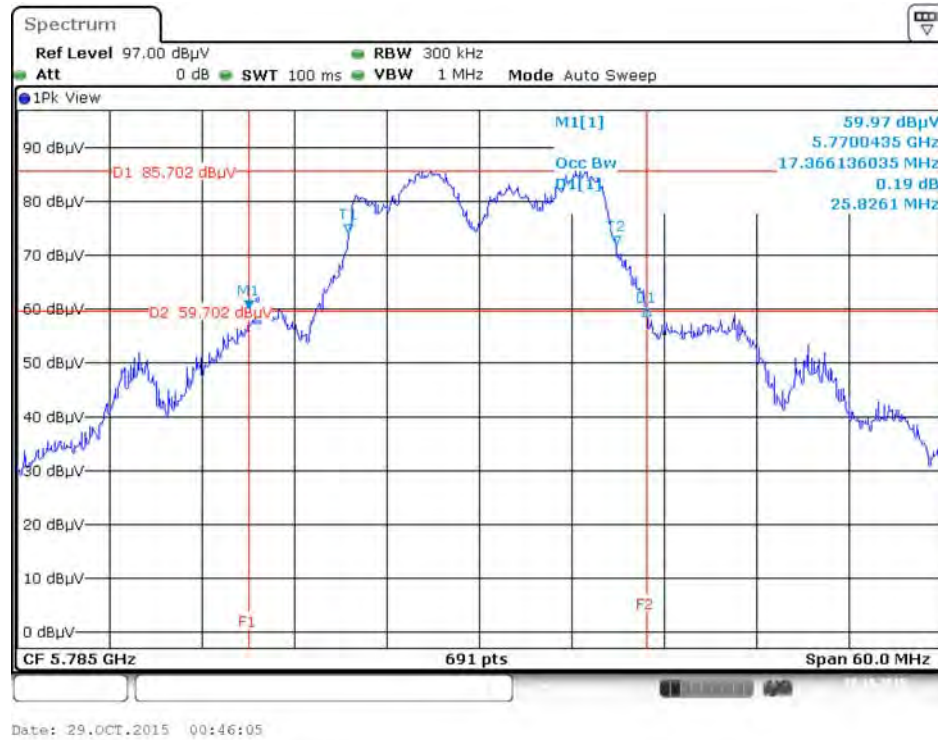
### 26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5240 MHz



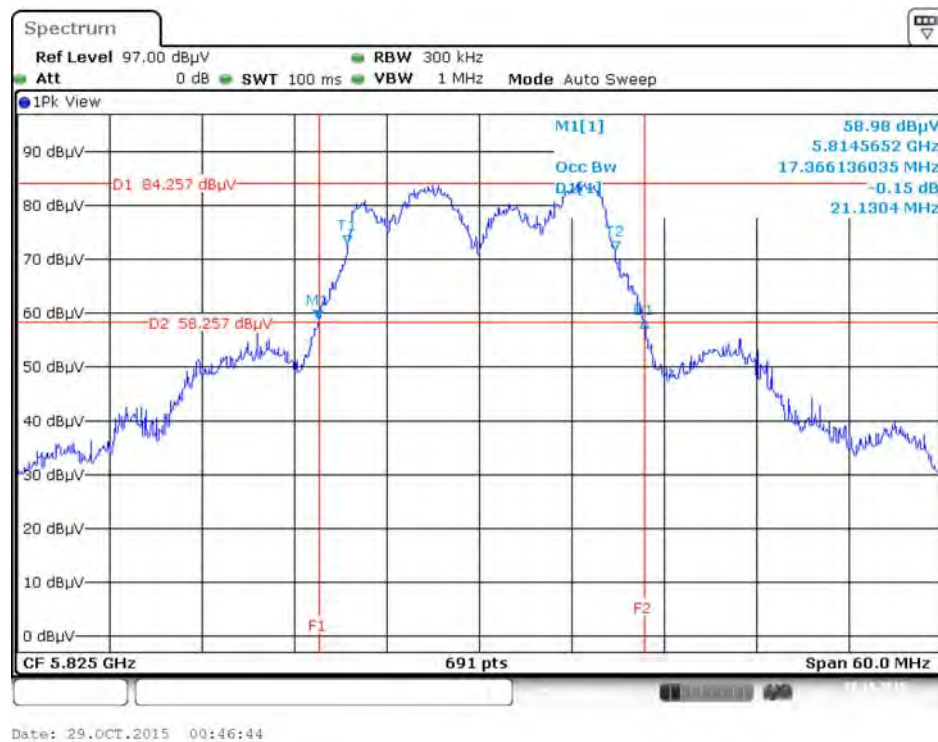
### 26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5745 MHz



26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2  
+ Chain 3 / 5785 MHz

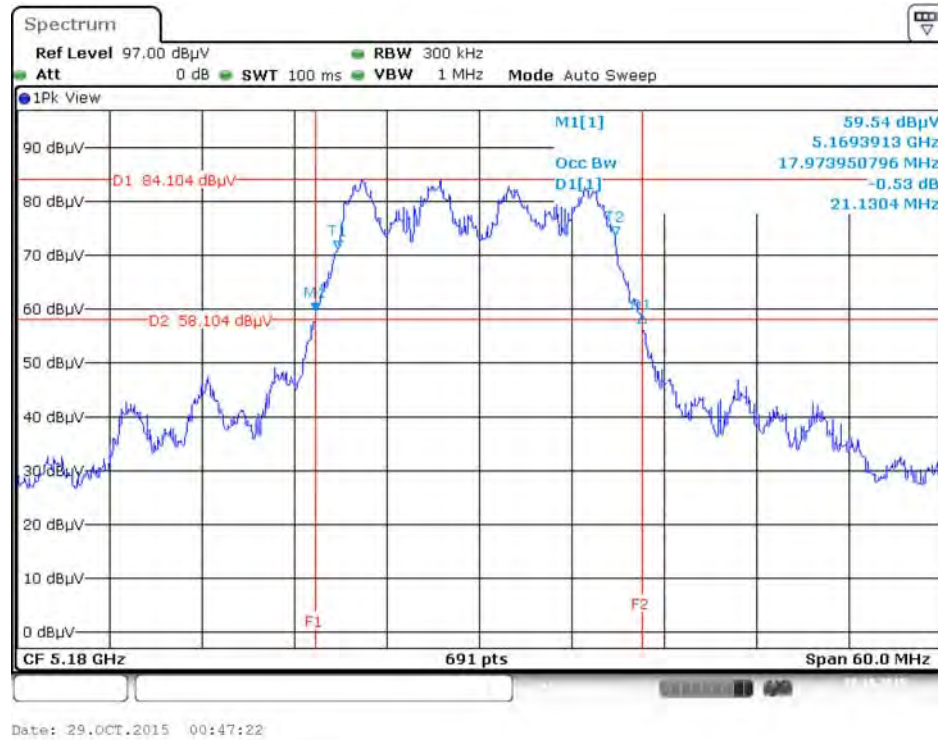


26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2  
+ Chain 3 / 5825 MHz

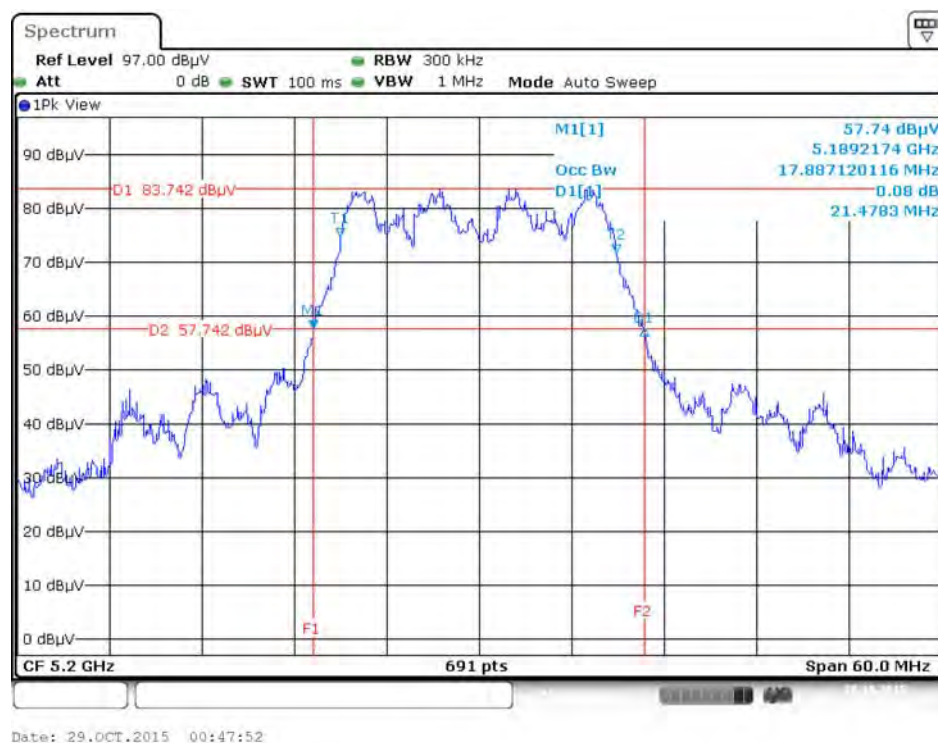




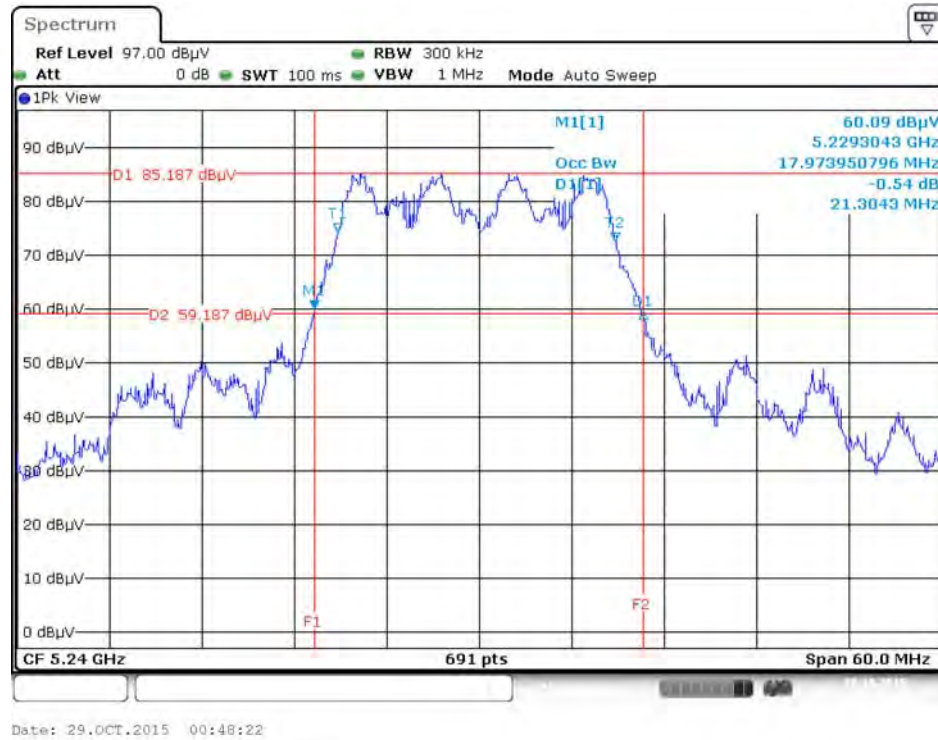
26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5180 MHz



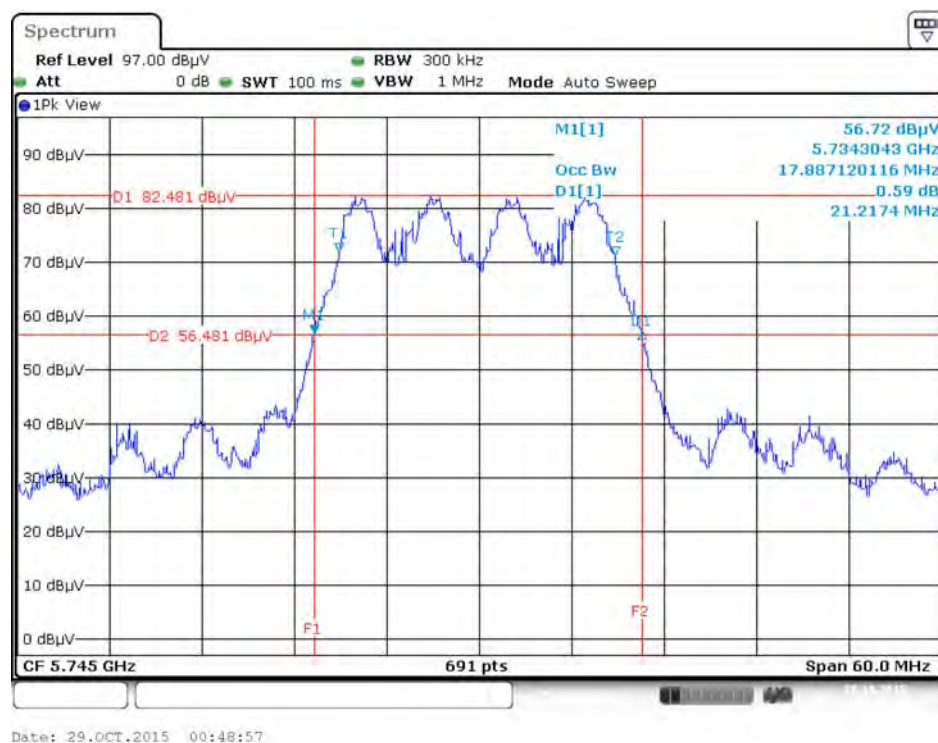
26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5200 MHz



26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5240 MHz



26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5745 MHz







**Spectrum**

Ref Level 97.00 dBμV RBW 300 kHz

Att 0 dB SWT 100 ms VBW 1 MHz Mode Auto Sweep

1Pk View

90 dBμV

80 dBμV

70 dBμV

60 dBμV

50 dBμV

40 dBμV

30 dBμV

20 dBμV

10 dBμV

0 dBμV

D1 86.587 dBμV

D2 60.587 dBμV

M1

M1[1]

Occ Bw

D1[1]

T1

T2

D1

F1

F2

CF 5.785 GHz

691 pts

Span 60.0 MHz

62.02 dBμV

5.7716957 GHz

18.147612156 MHz

-1.25 dB

30.4348 MHz

Date: 29.OCT.2015 00:49:30

**Spectrum**  
**Ref Level** 97.00 dBμV  
**Att** 0 dB **RBW** 300 kHz  
**SWT** 100 ms **VBW** 1 MHz **Mode** Auto Sweep

**1Pk View**

90 dBμV  
80 dBμV  
70 dBμV  
60 dBμV  
50 dBμV  
40 dBμV  
30 dBμV  
20 dBμV  
10 dBμV  
0 dBμV

D1 84.291 dBμV  
D2 58.291 dBμV

M1[1]  
Occ Bw  
D1[1]  
T1  
T2  
I

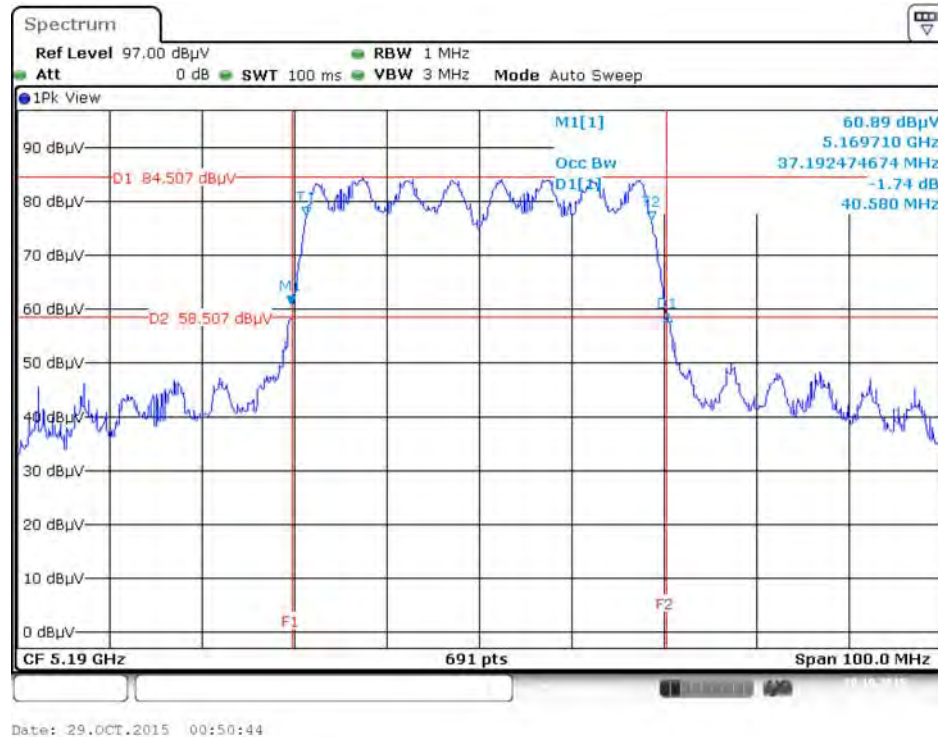
F1 F2

58.70 dBμV  
5.8143043 GHz  
17.887120116 MHz  
0.05 dB  
21.3043 MHz

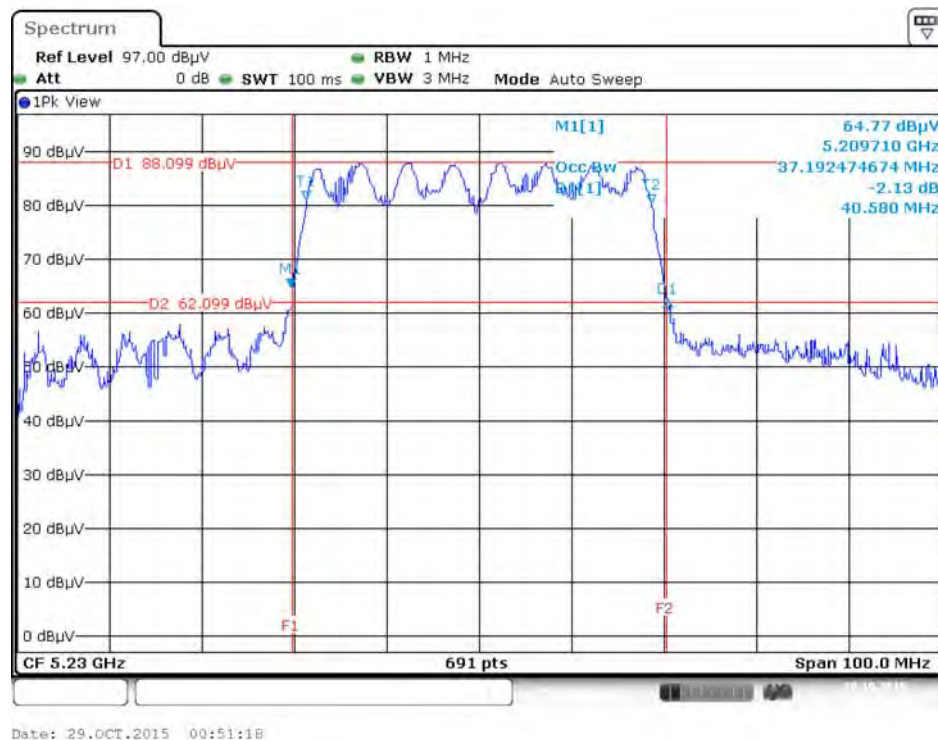
CF 5.825 GHz 691 pts Span 60.0 MHz

Date: 29.OCT.2015 00:50:00

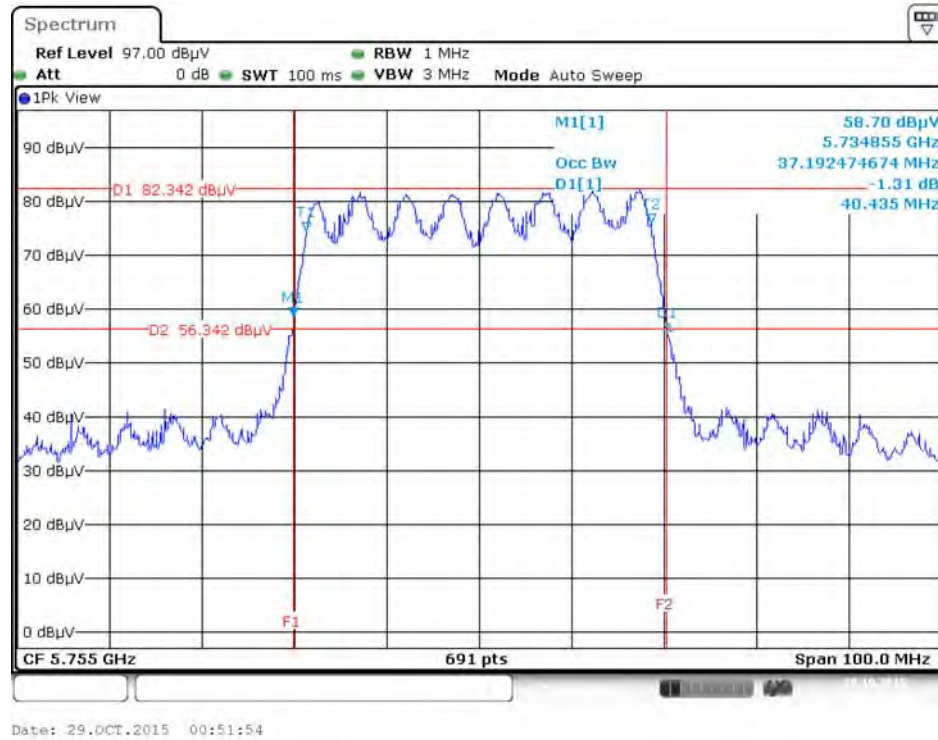
26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5190 MHz



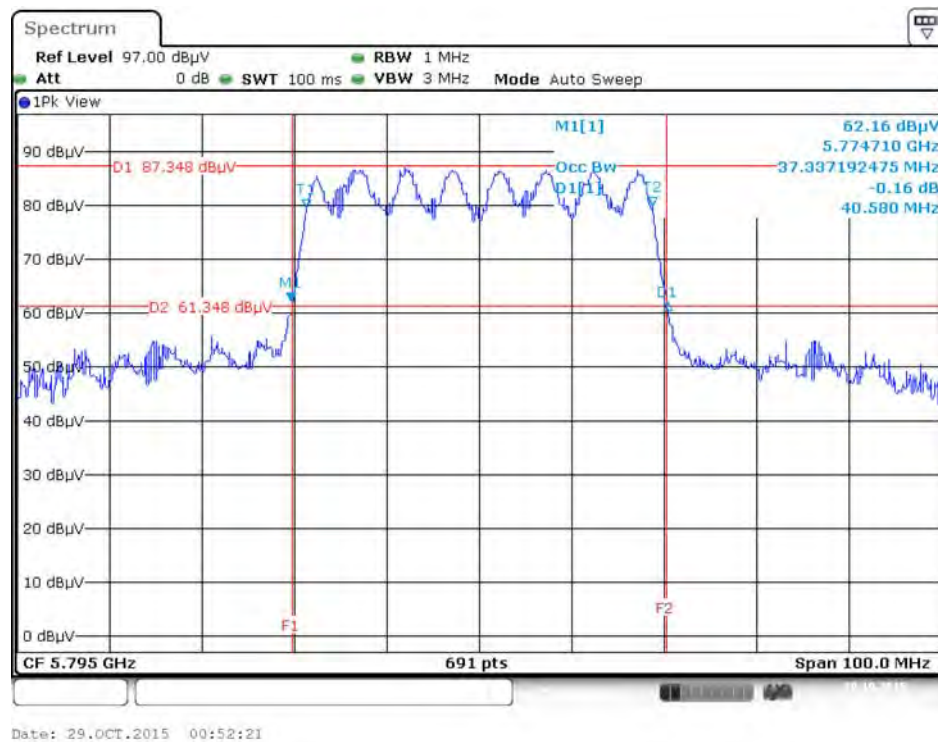
26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5230 MHz



26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5755 MHz

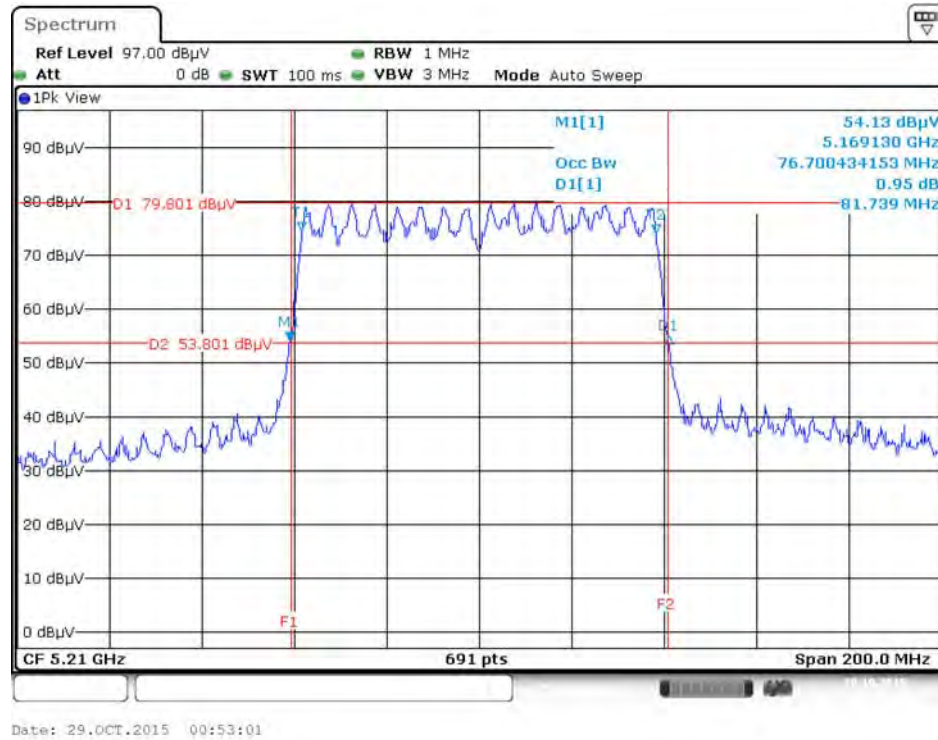


26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5795 MHz

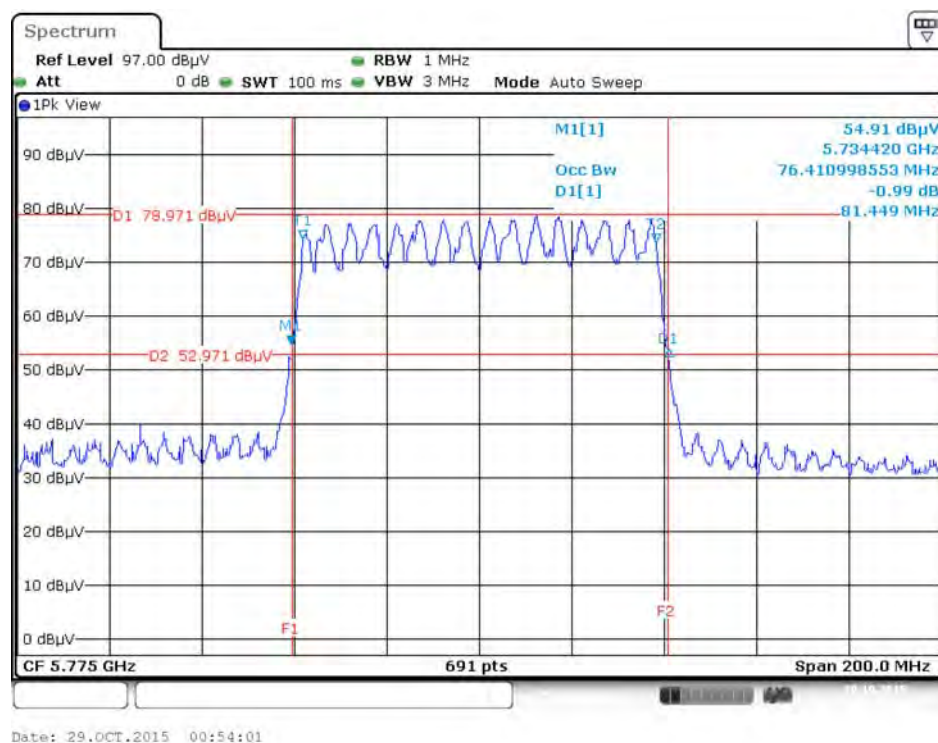




26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5210 MHz

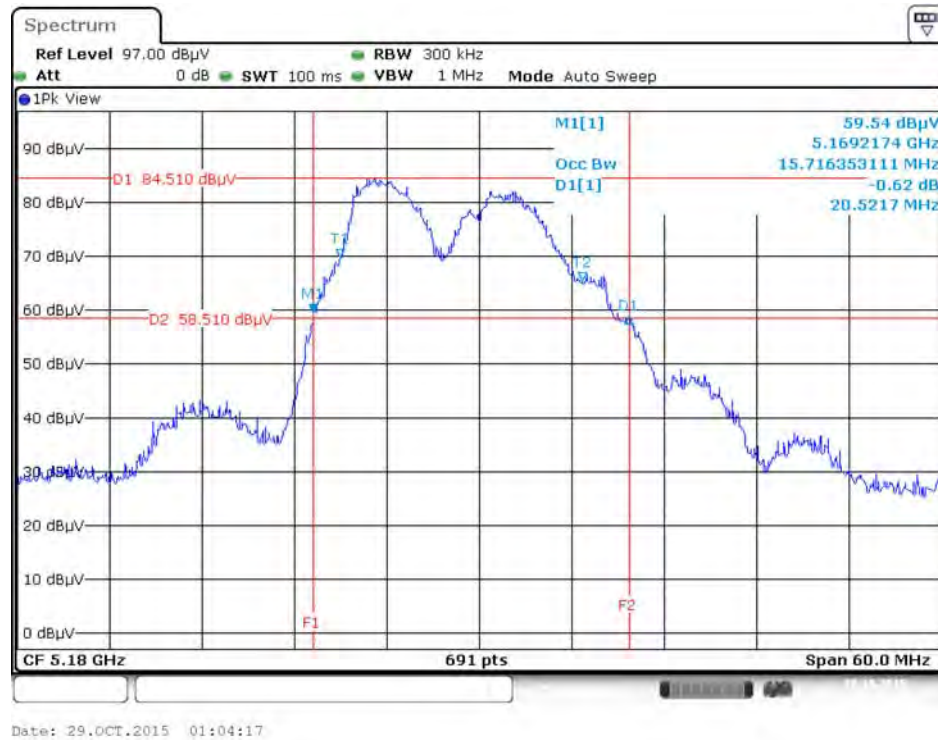


26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5775 MHz

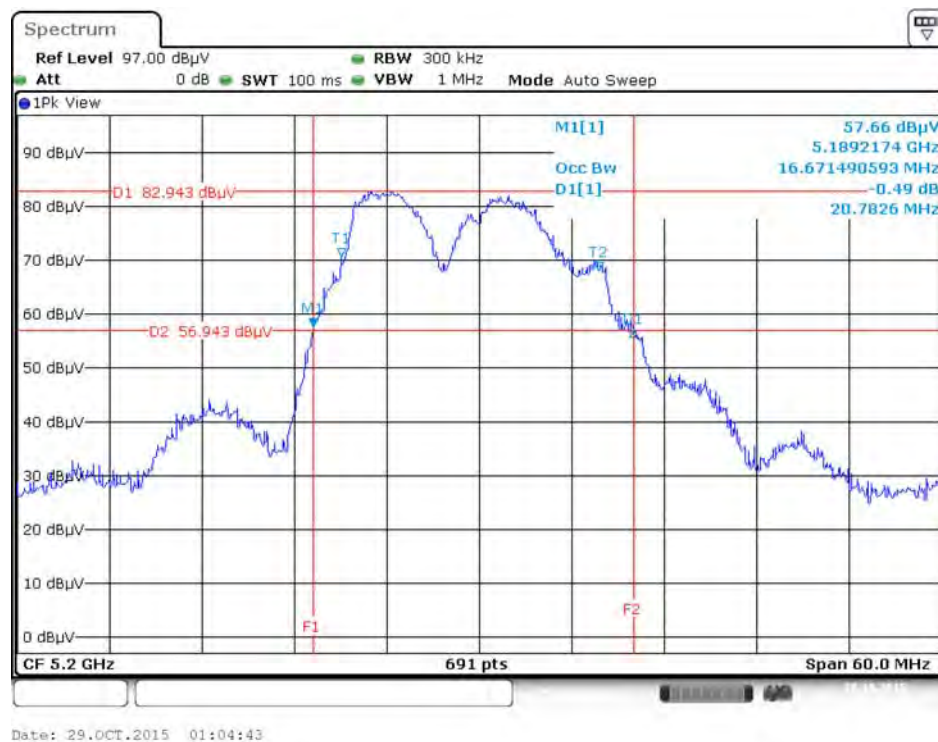


Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)

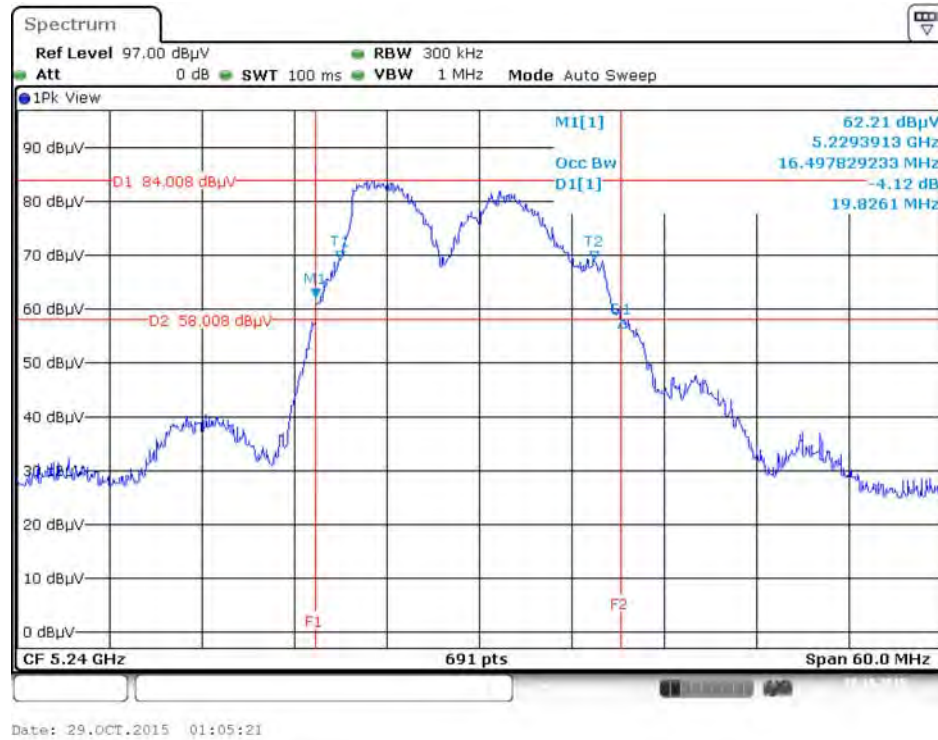
26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5180 MHz



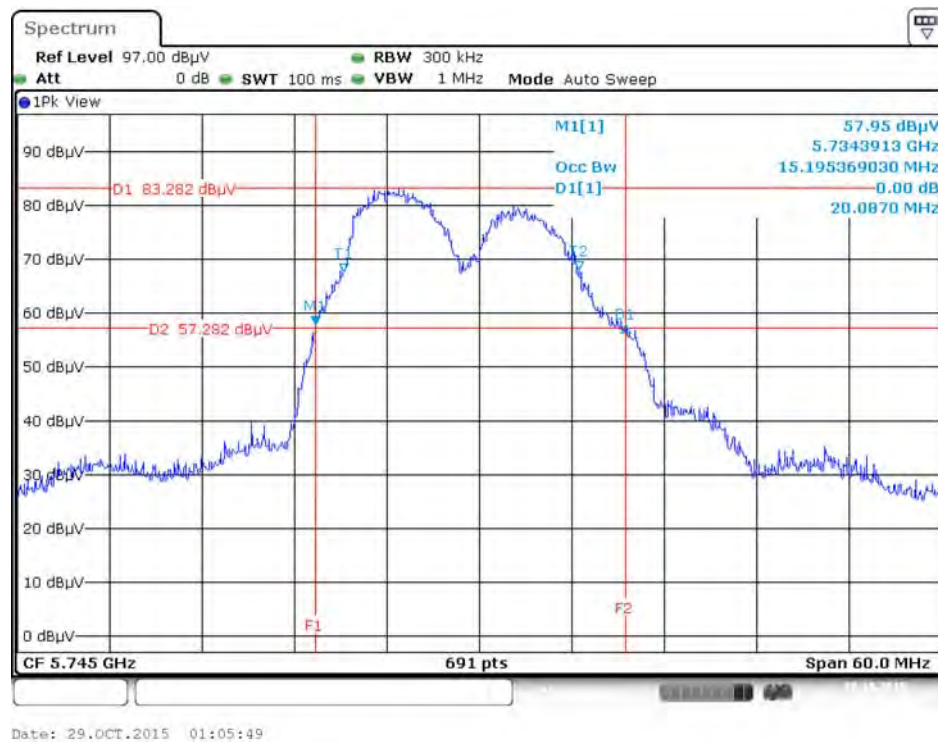
26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5200 MHz



26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2  
+ Chain 3 + Chain 4 / 5240 MHz

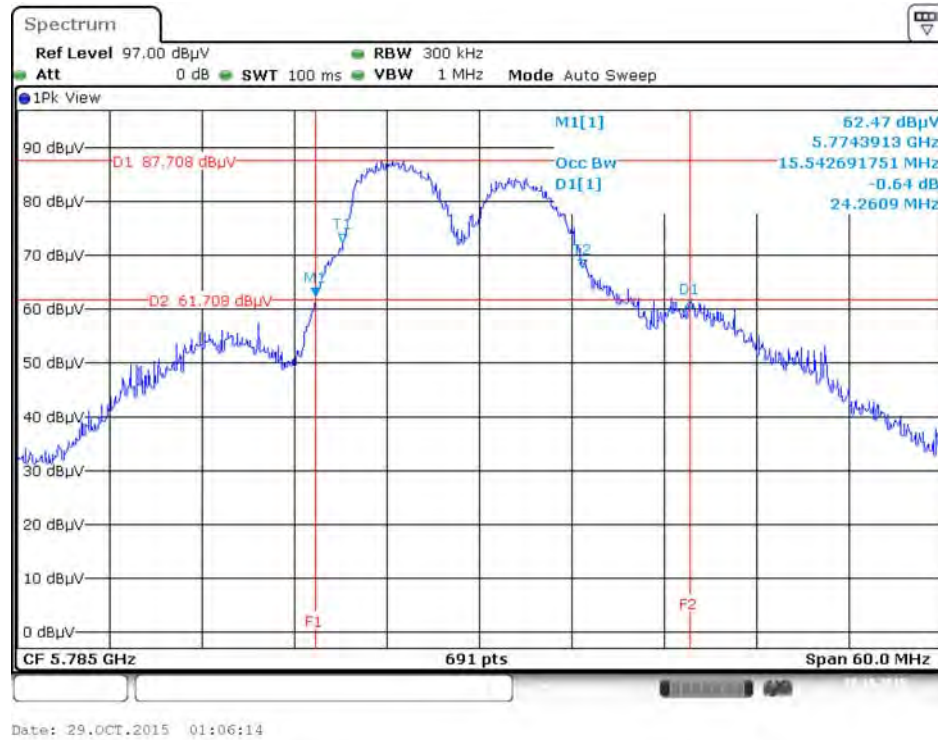


26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2  
+ Chain 3 + Chain 4 / 5745 MHz

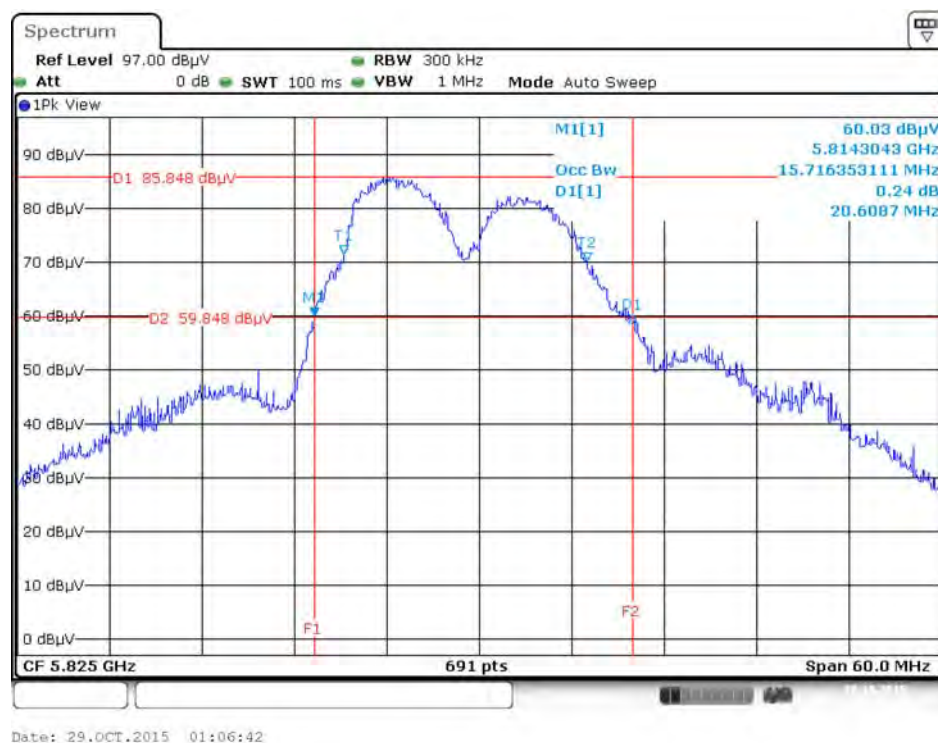




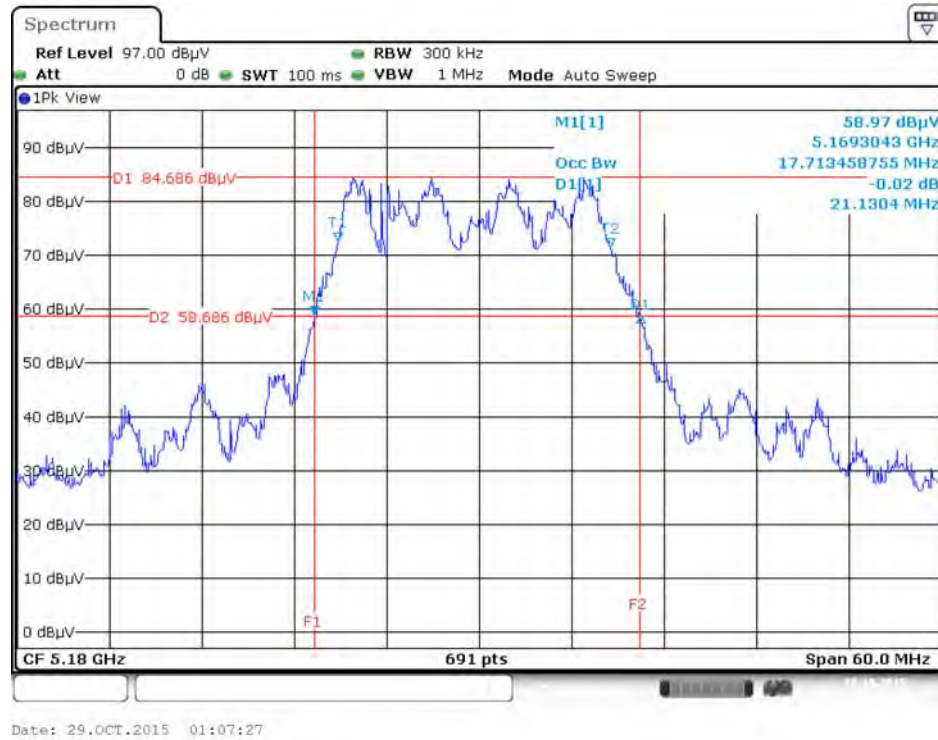
26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2  
+ Chain 3 + Chain 4 / 5785 MHz



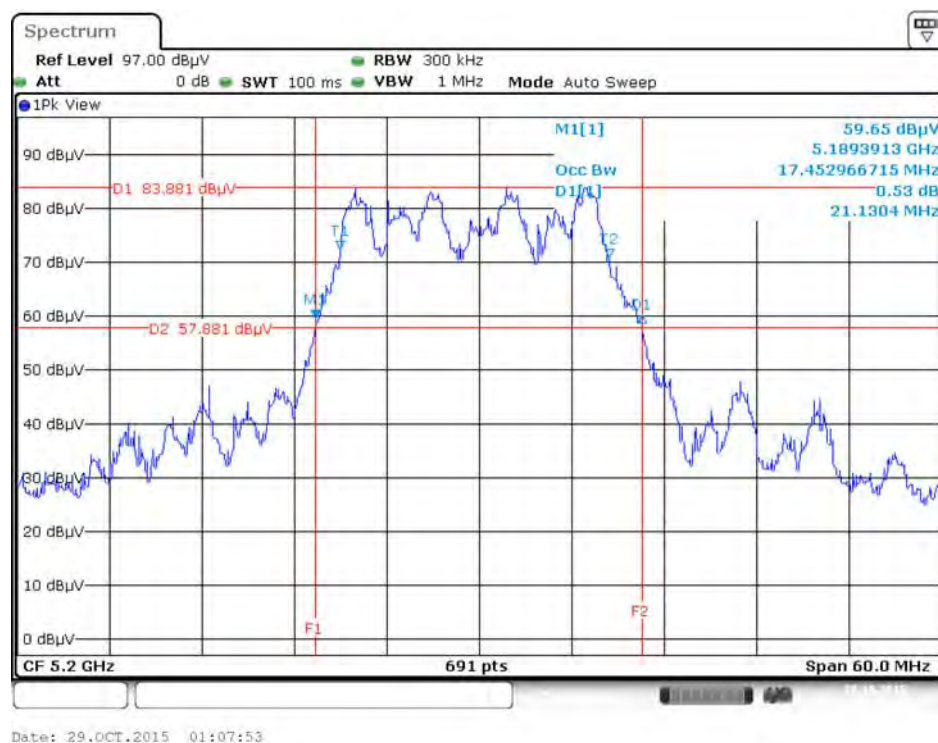
26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2  
+ Chain 3 + Chain 4 / 5825 MHz



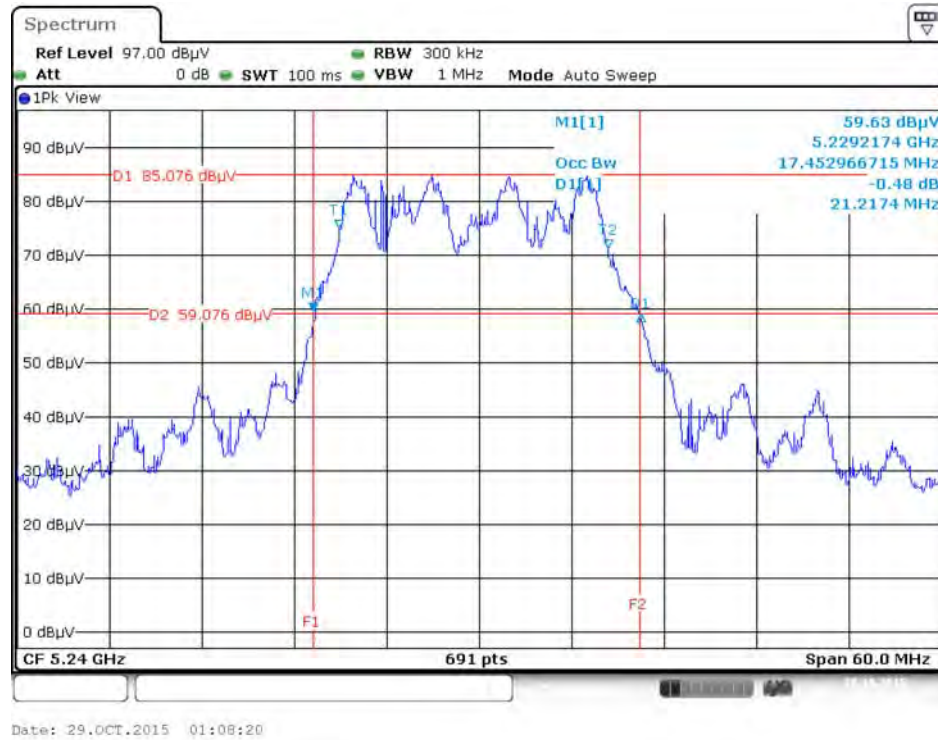
26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5180 MHz



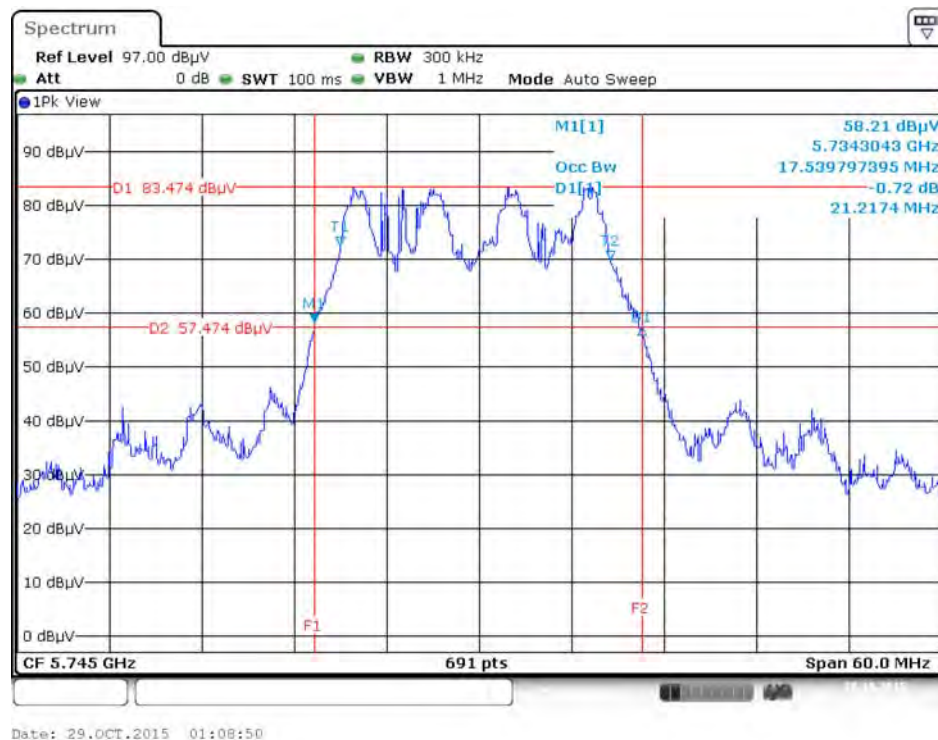
26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5200 MHz



26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5240 MHz



26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5745 MHz







**Spectrum**

Ref Level 97.00 dBμV RBW 300 kHz

Att 0 dB SWT 100 ms VBW 1 MHz Mode Auto Sweep

1Pk View

62.11 dBμV  
5.7743043 GHz  
17.887120116 MHz  
1.16 dB  
21.1304 MHz

D1 87.969 dBμV  
D2 61.969 dBμV

M1[1]  
Occ Bw  
D1[1]

F1 F2

CF 5.785 GHz 691 pts Span 60.0 MHz

Date: 29.OCT.2015 01:09:14

**Spectrum**  
**Ref Level** 97.00 dBμV  
**Att** 0 dB **SWT** 100 ms **RBW** 300 kHz **VBW** 1 MHz **Mode** Auto Sweep

**1Pk View**

60.27 dBμV  
 5.8144783 GHz  
 17.713458755 MHz  
 -0.51 dB  
 20.8696 MHz

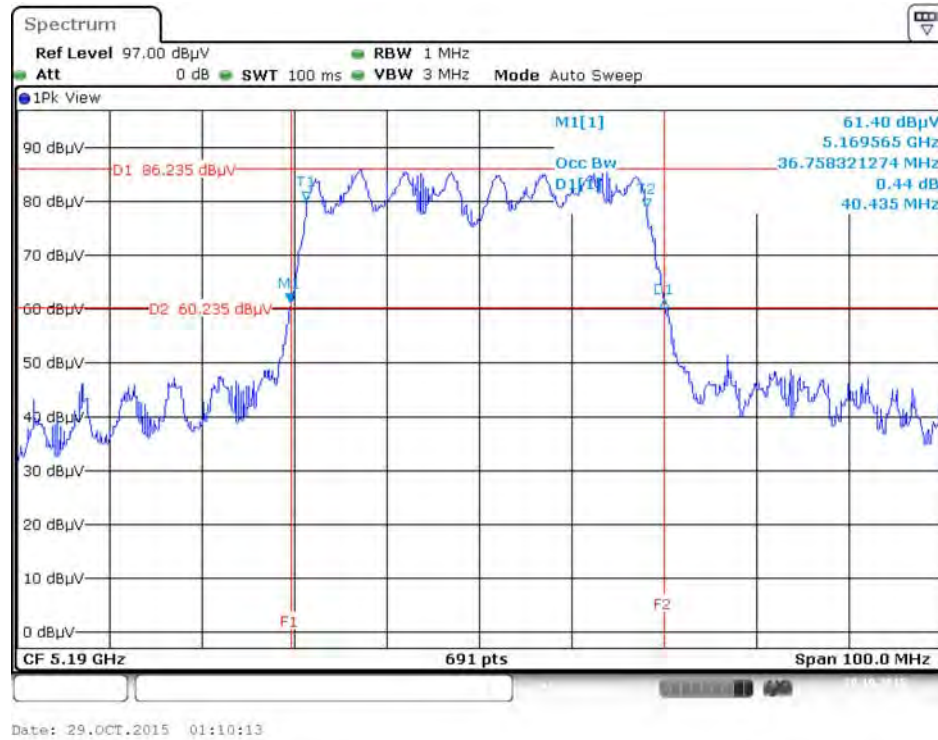
D1 85.407 dBμV  
 D2 59.407 dBμV

M1[1]  
 Occ Bw  
 D1[1]  
 T1  
 T2  
 F1  
 F2

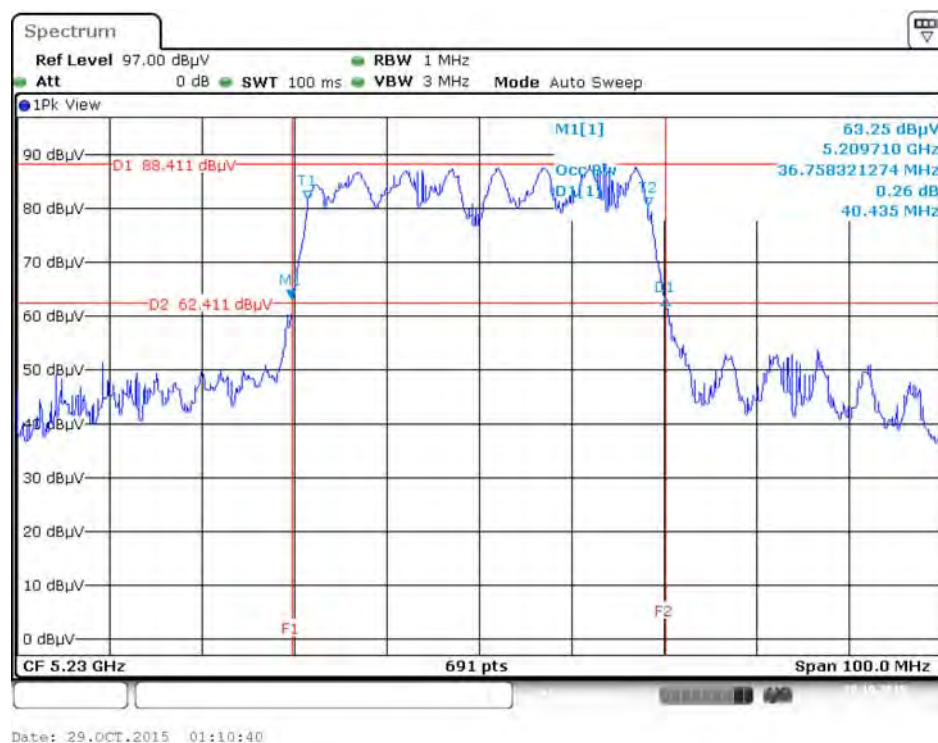
CF 5.825 GHz 691 pts Span 60.0 MHz

Date: 29.OCT.2015 01:09:41

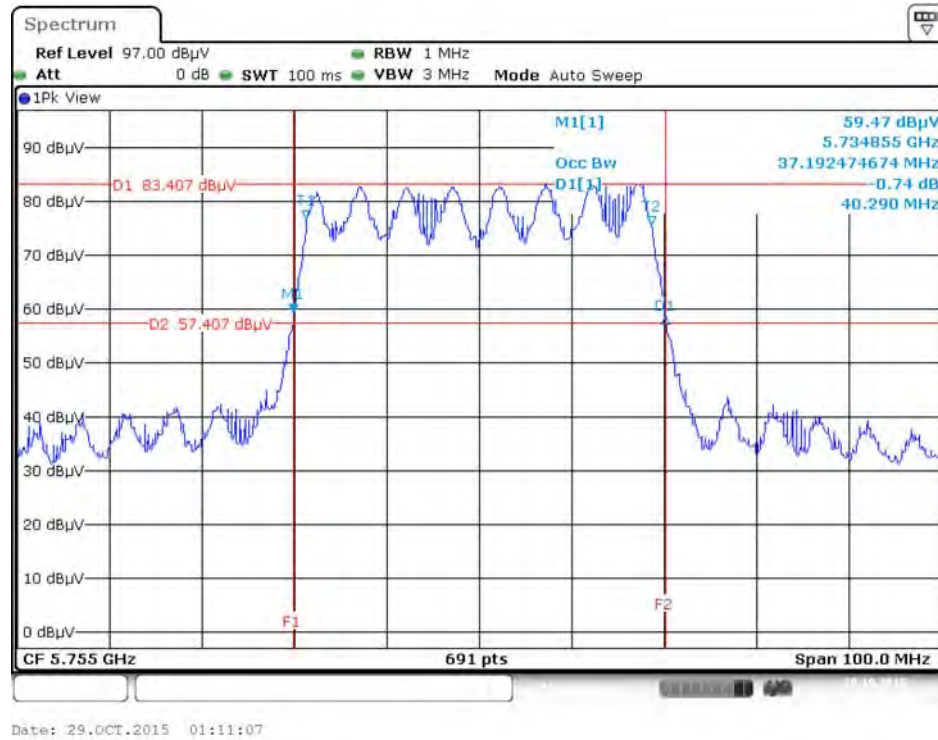
**26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5190 MHz**



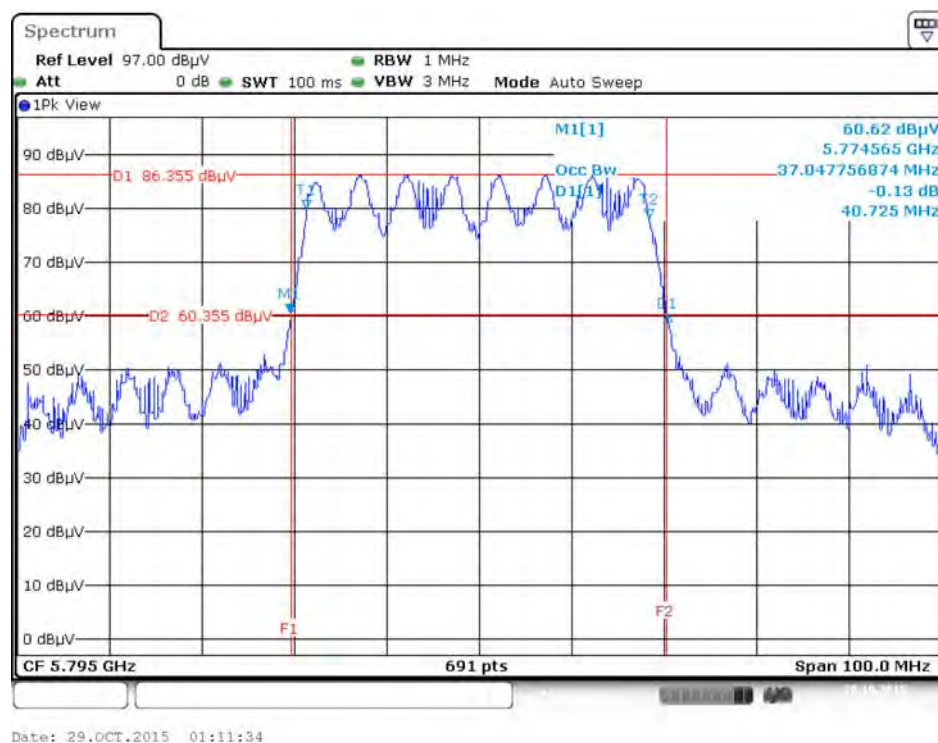
**26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5230 MHz**



26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5755 MHz

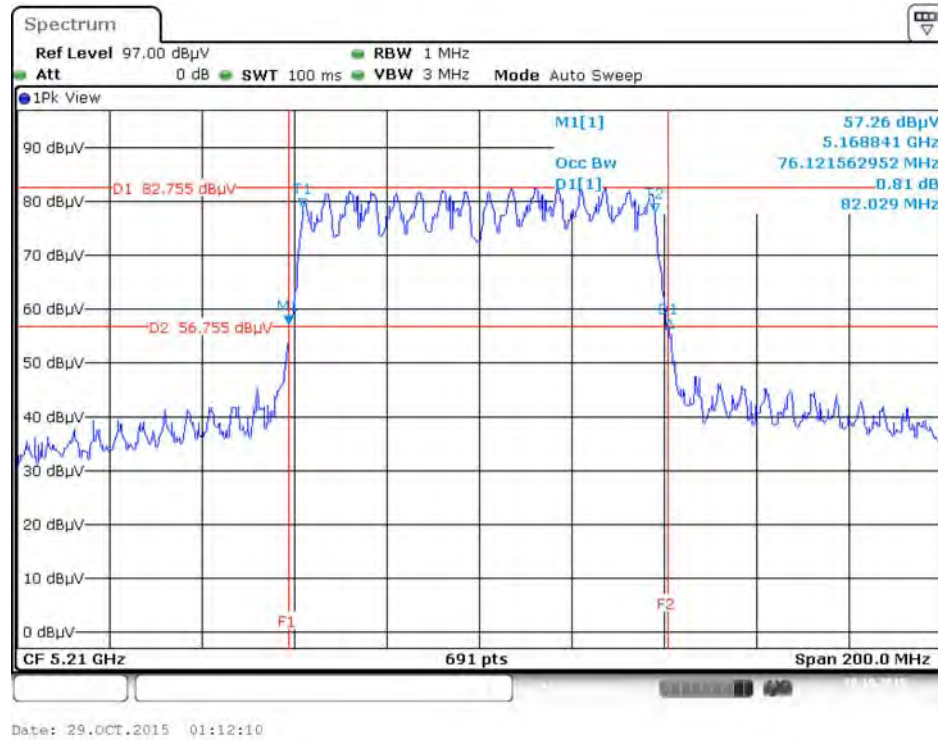


26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz

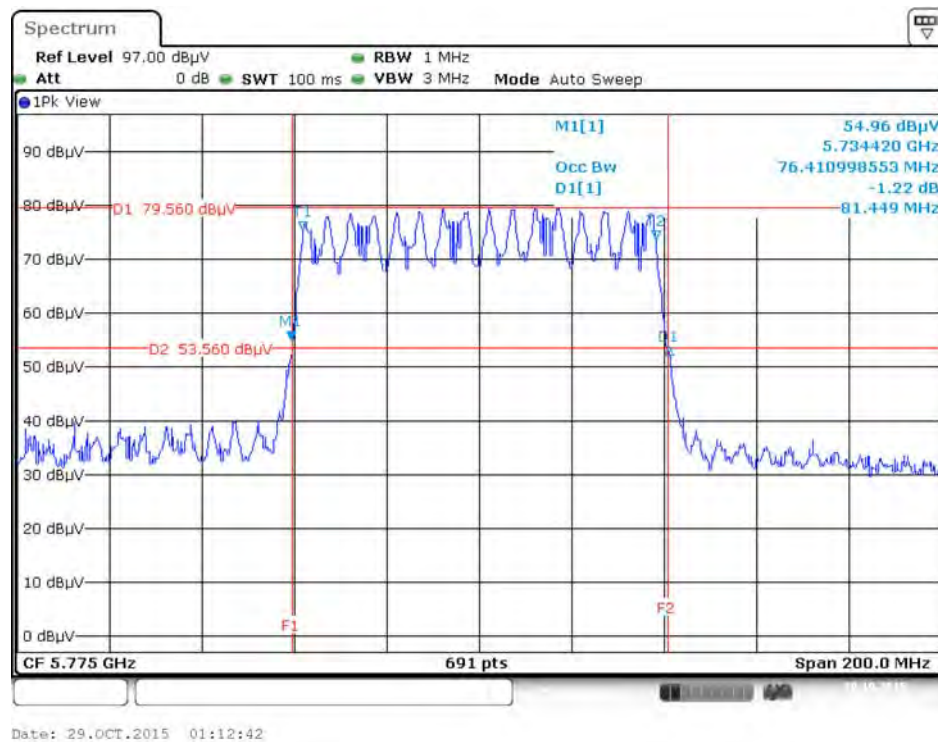




26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz



26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz



### 4.3. 6dB Spectrum Bandwidth Measurement

#### 4.3.1. Limit

For digital modulation systems, the minimum 6dB bandwidth shall be at least 500 kHz.

#### 4.3.2. Measuring Instruments and Setting

Please refer to section 5 of equipments list in this report. The following table is the setting of spectrum analyzer.

| 6dB Spectrum Bandwidth |                            |
|------------------------|----------------------------|
| Spectrum Parameters    | Setting                    |
| Attenuation            | Auto                       |
| Span Frequency         | > 6dB Bandwidth            |
| RBW                    | 100kHz                     |
| VBW                    | $\geq 3 \times \text{RBW}$ |
| Detector               | Peak                       |
| Trace                  | Max Hold                   |
| Sweep Time             | Auto                       |

#### 4.3.3. Test Procedures

For Radiated 6dB Bandwidth Measurement:

1. The transmitter was radiated to the spectrum analyzer in peak hold mode.
2. Test was performed in accordance with KDB789033 D02 v02r01 for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - section (C) Emission Bandwidth.
3. Multiple antenna system was performed in accordance with KDB662911 D01 v02r01 Emissions Testing of Transmitters with Multiple Outputs in the Same Band.
4. Measured the spectrum width with power higher than 6dB below carrier.

#### 4.3.4. Test Setup Layout

For Radiated 6dB Bandwidth Measurement:

This test setup layout is the same as that shown in section 4.6.4.

#### 4.3.5. Test Deviation

There is no deviation with the original standard.

#### 4.3.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

#### 4.3.7. Test Result of 6dB Spectrum Bandwidth

For Non-Beamforming Mode

|               |                                               |          |     |
|---------------|-----------------------------------------------|----------|-----|
| Temperature   | 25°C                                          | Humidity | 46% |
| Test Engineer | Eddie Weng                                    |          |     |
| Test Mode     | Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX) |          |     |

For indoor / outdoor use

| Mode                           | Frequency | 6dB Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|--------------------------------|-----------|---------------------|------------------|-------------|
| 802.11a                        | 5745 MHz  | 16.35               | 500              | Complies    |
|                                | 5785 MHz  | 16.35               | 500              | Complies    |
|                                | 5825 MHz  | 16.35               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5745 MHz  | 17.62               | 500              | Complies    |
|                                | 5785 MHz  | 17.68               | 500              | Complies    |
|                                | 5825 MHz  | 17.62               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5755 MHz  | 36.17               | 500              | Complies    |
|                                | 5795 MHz  | 36.41               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5775 MHz  | 75.65               | 500              | Complies    |



|                      |                                               |                 |     |
|----------------------|-----------------------------------------------|-----------------|-----|
| <b>Temperature</b>   | 25°C                                          | <b>Humidity</b> | 46% |
| <b>Test Engineer</b> | Eddie Weng                                    |                 |     |
| <b>Test Mode</b>     | Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX) |                 |     |

| Mode                           | Frequency | 6dB Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|--------------------------------|-----------|---------------------|------------------|-------------|
| 802.11a                        | 5745 MHz  | 15.71               | 500              | Complies    |
|                                | 5785 MHz  | 15.94               | 500              | Complies    |
|                                | 5825 MHz  | 15.65               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5745 MHz  | 16.29               | 500              | Complies    |
|                                | 5785 MHz  | 16.06               | 500              | Complies    |
|                                | 5825 MHz  | 16.06               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5755 MHz  | 35.71               | 500              | Complies    |
|                                | 5795 MHz  | 35.71               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5775 MHz  | 75.07               | 500              | Complies    |

|                      |                                               |                 |     |
|----------------------|-----------------------------------------------|-----------------|-----|
| <b>Temperature</b>   | 25°C                                          | <b>Humidity</b> | 46% |
| <b>Test Engineer</b> | Eddie Weng                                    |                 |     |
| <b>Test Mode</b>     | Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX) |                 |     |

| Mode                           | Frequency | 6dB Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|--------------------------------|-----------|---------------------|------------------|-------------|
| 802.11a                        | 5745 MHz  | 13.16               | 500              | Complies    |
|                                | 5785 MHz  | 15.07               | 500              | Complies    |
|                                | 5825 MHz  | 15.36               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5745 MHz  | 16.41               | 500              | Complies    |
|                                | 5785 MHz  | 16.58               | 500              | Complies    |
|                                | 5825 MHz  | 16.64               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5755 MHz  | 36.06               | 500              | Complies    |
|                                | 5795 MHz  | 35.71               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5775 MHz  | 75.94               | 500              | Complies    |

|                      |                                               |                 |     |
|----------------------|-----------------------------------------------|-----------------|-----|
| <b>Temperature</b>   | 25°C                                          | <b>Humidity</b> | 46% |
| <b>Test Engineer</b> | Eddie Weng                                    |                 |     |
| <b>Test Mode</b>     | Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX) |                 |     |

| Mode                           | Frequency | 6dB Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|--------------------------------|-----------|---------------------|------------------|-------------|
| 802.11a                        | 5745 MHz  | 10.67               | 500              | Complies    |
|                                | 5785 MHz  | 9.74                | 500              | Complies    |
|                                | 5825 MHz  | 10.84               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5745 MHz  | 16.23               | 500              | Complies    |
|                                | 5785 MHz  | 16.41               | 500              | Complies    |
|                                | 5825 MHz  | 15.83               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5755 MHz  | 35.48               | 500              | Complies    |
|                                | 5795 MHz  | 35.48               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5775 MHz  | 75.65               | 500              | Complies    |

|               |                                                               |          |     |
|---------------|---------------------------------------------------------------|----------|-----|
| Temperature   | 25°C                                                          | Humidity | 46% |
| Test Engineer | Eddie Weng                                                    |          |     |
| Test Mode     | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX) |          |     |

For indoor / outdoor use

| Mode                           | Frequency | 6dB Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|--------------------------------|-----------|---------------------|------------------|-------------|
| 802.11a                        | 5745 MHz  | 16.35               | 500              | Complies    |
|                                | 5785 MHz  | 16.35               | 500              | Complies    |
|                                | 5825 MHz  | 16.35               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5745 MHz  | 17.80               | 500              | Complies    |
|                                | 5785 MHz  | 17.68               | 500              | Complies    |
|                                | 5825 MHz  | 17.62               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5755 MHz  | 36.41               | 500              | Complies    |
|                                | 5795 MHz  | 36.41               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5775 MHz  | 76.23               | 500              | Complies    |



|                      |                                                                              |                 |     |
|----------------------|------------------------------------------------------------------------------|-----------------|-----|
| <b>Temperature</b>   | 25°C                                                                         | <b>Humidity</b> | 46% |
| <b>Test Engineer</b> | Eddie Weng                                                                   |                 |     |
| <b>Test Mode</b>     | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX) |                 |     |

| Mode                           | Frequency | 6dB Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|--------------------------------|-----------|---------------------|------------------|-------------|
| 802.11a                        | 5745 MHz  | 15.71               | 500              | Complies    |
|                                | 5785 MHz  | 15.94               | 500              | Complies    |
|                                | 5825 MHz  | 15.65               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5745 MHz  | 16.93               | 500              | Complies    |
|                                | 5785 MHz  | 16.06               | 500              | Complies    |
|                                | 5825 MHz  | 16.06               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5755 MHz  | 35.71               | 500              | Complies    |
|                                | 5795 MHz  | 35.71               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5775 MHz  | 75.94               | 500              | Complies    |

|                      |                                                                              |                 |     |
|----------------------|------------------------------------------------------------------------------|-----------------|-----|
| <b>Temperature</b>   | 25°C                                                                         | <b>Humidity</b> | 46% |
| <b>Test Engineer</b> | Eddie Weng                                                                   |                 |     |
| <b>Test Mode</b>     | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX) |                 |     |

| Mode                           | Frequency | 6dB Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|--------------------------------|-----------|---------------------|------------------|-------------|
| 802.11a                        | 5745 MHz  | 14.03               | 500              | Complies    |
|                                | 5785 MHz  | 15.07               | 500              | Complies    |
|                                | 5825 MHz  | 15.36               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5745 MHz  | 16.70               | 500              | Complies    |
|                                | 5785 MHz  | 16.58               | 500              | Complies    |
|                                | 5825 MHz  | 16.64               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5755 MHz  | 36.06               | 500              | Complies    |
|                                | 5795 MHz  | 35.71               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5775 MHz  | 75.94               | 500              | Complies    |

|                      |                                                                              |                 |     |
|----------------------|------------------------------------------------------------------------------|-----------------|-----|
| <b>Temperature</b>   | 25°C                                                                         | <b>Humidity</b> | 46% |
| <b>Test Engineer</b> | Eddie Weng                                                                   |                 |     |
| <b>Test Mode</b>     | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX) |                 |     |

| Mode                           | Frequency | 6dB Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|--------------------------------|-----------|---------------------|------------------|-------------|
| 802.11a                        | 5745 MHz  | 12.93               | 500              | Complies    |
|                                | 5785 MHz  | 9.74                | 500              | Complies    |
|                                | 5825 MHz  | 10.67               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5745 MHz  | 16.12               | 500              | Complies    |
|                                | 5785 MHz  | 16.41               | 500              | Complies    |
|                                | 5825 MHz  | 16.06               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5755 MHz  | 35.71               | 500              | Complies    |
|                                | 5795 MHz  | 35.48               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5775 MHz  | 75.65               | 500              | Complies    |

|                      |                                              |                 |     |
|----------------------|----------------------------------------------|-----------------|-----|
| <b>Temperature</b>   | 25°C                                         | <b>Humidity</b> | 46% |
| <b>Test Engineer</b> | Eddie Weng                                   |                 |     |
| <b>Test Mode</b>     | Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX) |                 |     |

For indoor / outdoor use

| Mode                           | Frequency | 6dB Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|--------------------------------|-----------|---------------------|------------------|-------------|
| 802.11a                        | 5745 MHz  | 16.58               | 500              | Complies    |
|                                | 5785 MHz  | 16.35               | 500              | Complies    |
|                                | 5825 MHz  | 16.35               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5745 MHz  | 17.80               | 500              | Complies    |
|                                | 5785 MHz  | 17.68               | 500              | Complies    |
|                                | 5825 MHz  | 17.62               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5755 MHz  | 36.41               | 500              | Complies    |
|                                | 5795 MHz  | 36.41               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5775 MHz  | 76.23               | 500              | Complies    |



|                      |                                              |                 |     |
|----------------------|----------------------------------------------|-----------------|-----|
| <b>Temperature</b>   | 25°C                                         | <b>Humidity</b> | 46% |
| <b>Test Engineer</b> | Eddie Weng                                   |                 |     |
| <b>Test Mode</b>     | Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX) |                 |     |

| Mode                           | Frequency | 6dB Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|--------------------------------|-----------|---------------------|------------------|-------------|
| 802.11a                        | 5745 MHz  | 16.06               | 500              | Complies    |
|                                | 5785 MHz  | 15.94               | 500              | Complies    |
|                                | 5825 MHz  | 15.65               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5745 MHz  | 16.35               | 500              | Complies    |
|                                | 5785 MHz  | 16.06               | 500              | Complies    |
|                                | 5825 MHz  | 16.93               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5755 MHz  | 35.71               | 500              | Complies    |
|                                | 5795 MHz  | 35.71               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5775 MHz  | 73.04               | 500              | Complies    |

|                      |                                              |                 |     |
|----------------------|----------------------------------------------|-----------------|-----|
| <b>Temperature</b>   | 25°C                                         | <b>Humidity</b> | 46% |
| <b>Test Engineer</b> | Eddie Weng                                   |                 |     |
| <b>Test Mode</b>     | Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX) |                 |     |

| Mode                           | Frequency | 6dB Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|--------------------------------|-----------|---------------------|------------------|-------------|
| 802.11a                        | 5745 MHz  | 13.57               | 500              | Complies    |
|                                | 5785 MHz  | 15.07               | 500              | Complies    |
|                                | 5825 MHz  | 12.99               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5745 MHz  | 16.41               | 500              | Complies    |
|                                | 5785 MHz  | 16.58               | 500              | Complies    |
|                                | 5825 MHz  | 16.99               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5755 MHz  | 36.06               | 500              | Complies    |
|                                | 5795 MHz  | 35.83               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5775 MHz  | 75.65               | 500              | Complies    |

|                      |                                              |                 |     |
|----------------------|----------------------------------------------|-----------------|-----|
| <b>Temperature</b>   | 25°C                                         | <b>Humidity</b> | 46% |
| <b>Test Engineer</b> | Eddie Weng                                   |                 |     |
| <b>Test Mode</b>     | Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX) |                 |     |

| Mode                           | Frequency | 6dB Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|--------------------------------|-----------|---------------------|------------------|-------------|
| 802.11a                        | 5745 MHz  | 10.09               | 500              | Complies    |
|                                | 5785 MHz  | 9.74                | 500              | Complies    |
|                                | 5825 MHz  | 10.84               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5745 MHz  | 16.41               | 500              | Complies    |
|                                | 5785 MHz  | 16.41               | 500              | Complies    |
|                                | 5825 MHz  | 16.29               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5755 MHz  | 35.71               | 500              | Complies    |
|                                | 5795 MHz  | 35.48               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5775 MHz  | 75.65               | 500              | Complies    |

|                      |                                                        |                 |     |
|----------------------|--------------------------------------------------------|-----------------|-----|
| <b>Temperature</b>   | 25°C                                                   | <b>Humidity</b> | 46% |
| <b>Test Engineer</b> | Eddie Weng                                             |                 |     |
| <b>Test Mode</b>     | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX) |                 |     |

For indoor / outdoor use

| Mode                           | Frequency | 6dB Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|--------------------------------|-----------|---------------------|------------------|-------------|
| 802.11a                        | 5745 MHz  | 16.35               | 500              | Complies    |
|                                | 5785 MHz  | 16.35               | 500              | Complies    |
|                                | 5825 MHz  | 16.35               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5745 MHz  | 17.57               | 500              | Complies    |
|                                | 5785 MHz  | 17.68               | 500              | Complies    |
|                                | 5825 MHz  | 17.62               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5755 MHz  | 36.41               | 500              | Complies    |
|                                | 5795 MHz  | 36.41               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5775 MHz  | 75.36               | 500              | Complies    |

|                      |                                                        |                 |     |
|----------------------|--------------------------------------------------------|-----------------|-----|
| <b>Temperature</b>   | 25°C                                                   | <b>Humidity</b> | 46% |
| <b>Test Engineer</b> | Eddie Weng                                             |                 |     |
| <b>Test Mode</b>     | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX) |                 |     |

| Mode                           | Frequency | 6dB Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|--------------------------------|-----------|---------------------|------------------|-------------|
| 802.11a                        | 5745 MHz  | 15.71               | 500              | Complies    |
|                                | 5785 MHz  | 15.94               | 500              | Complies    |
|                                | 5825 MHz  | 15.65               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5745 MHz  | 16.06               | 500              | Complies    |
|                                | 5785 MHz  | 16.06               | 500              | Complies    |
|                                | 5825 MHz  | 16.64               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5755 MHz  | 35.71               | 500              | Complies    |
|                                | 5795 MHz  | 35.71               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5775 MHz  | 75.94               | 500              | Complies    |



|                      |                                                        |                 |     |
|----------------------|--------------------------------------------------------|-----------------|-----|
| <b>Temperature</b>   | 25°C                                                   | <b>Humidity</b> | 46% |
| <b>Test Engineer</b> | Eddie Weng                                             |                 |     |
| <b>Test Mode</b>     | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX) |                 |     |

| Mode                           | Frequency | 6dB Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|--------------------------------|-----------|---------------------|------------------|-------------|
| 802.11a                        | 5745 MHz  | 12.99               | 500              | Complies    |
|                                | 5785 MHz  | 15.07               | 500              | Complies    |
|                                | 5825 MHz  | 15.36               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5745 MHz  | 16.41               | 500              | Complies    |
|                                | 5785 MHz  | 16.58               | 500              | Complies    |
|                                | 5825 MHz  | 16.99               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5755 MHz  | 36.06               | 500              | Complies    |
|                                | 5795 MHz  | 35.71               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5775 MHz  | 75.94               | 500              | Complies    |

|                      |                                                        |                 |     |
|----------------------|--------------------------------------------------------|-----------------|-----|
| <b>Temperature</b>   | 25°C                                                   | <b>Humidity</b> | 46% |
| <b>Test Engineer</b> | Eddie Weng                                             |                 |     |
| <b>Test Mode</b>     | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX) |                 |     |

| Mode                           | Frequency | 6dB Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|--------------------------------|-----------|---------------------|------------------|-------------|
| 802.11a                        | 5745 MHz  | 10.72               | 500              | Complies    |
|                                | 5785 MHz  | 9.74                | 500              | Complies    |
|                                | 5825 MHz  | 10.67               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5745 MHz  | 16.06               | 500              | Complies    |
|                                | 5785 MHz  | 16.41               | 500              | Complies    |
|                                | 5825 MHz  | 15.83               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5755 MHz  | 35.48               | 500              | Complies    |
|                                | 5795 MHz  | 35.71               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5775 MHz  | 75.65               | 500              | Complies    |

|               |                                              |          |     |
|---------------|----------------------------------------------|----------|-----|
| Temperature   | 25°C                                         | Humidity | 46% |
| Test Engineer | Eddie Weng                                   |          |     |
| Test Mode     | Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX) |          |     |

#### For indoor use

| Mode                           | Frequency | 6dB Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|--------------------------------|-----------|---------------------|------------------|-------------|
| 802.11a                        | 5745 MHz  | 16.35               | 500              | Complies    |
|                                | 5785 MHz  | 16.35               | 500              | Complies    |
|                                | 5825 MHz  | 16.35               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5745 MHz  | 17.62               | 500              | Complies    |
|                                | 5785 MHz  | 17.68               | 500              | Complies    |
|                                | 5825 MHz  | 17.62               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5755 MHz  | 36.41               | 500              | Complies    |
|                                | 5795 MHz  | 36.41               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5775 MHz  | 76.23               | 500              | Complies    |

|                      |                                              |                 |     |
|----------------------|----------------------------------------------|-----------------|-----|
| <b>Temperature</b>   | 25°C                                         | <b>Humidity</b> | 46% |
| <b>Test Engineer</b> | Eddie Weng                                   |                 |     |
| <b>Test Mode</b>     | Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX) |                 |     |

| Mode                           | Frequency | 6dB Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|--------------------------------|-----------|---------------------|------------------|-------------|
| 802.11a                        | 5745 MHz  | 16.06               | 500              | Complies    |
|                                | 5785 MHz  | 15.94               | 500              | Complies    |
|                                | 5825 MHz  | 15.65               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5745 MHz  | 16.64               | 500              | Complies    |
|                                | 5785 MHz  | 16.06               | 500              | Complies    |
|                                | 5825 MHz  | 16.70               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5755 MHz  | 35.71               | 500              | Complies    |
|                                | 5795 MHz  | 35.71               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5775 MHz  | 75.94               | 500              | Complies    |

|                      |                                              |                 |     |
|----------------------|----------------------------------------------|-----------------|-----|
| <b>Temperature</b>   | 25°C                                         | <b>Humidity</b> | 46% |
| <b>Test Engineer</b> | Eddie Weng                                   |                 |     |
| <b>Test Mode</b>     | Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX) |                 |     |

| Mode                           | Frequency | 6dB Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|--------------------------------|-----------|---------------------|------------------|-------------|
| 802.11a                        | 5745 MHz  | 13.28               | 500              | Complies    |
|                                | 5785 MHz  | 15.07               | 500              | Complies    |
|                                | 5825 MHz  | 15.36               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5745 MHz  | 16.70               | 500              | Complies    |
|                                | 5785 MHz  | 16.58               | 500              | Complies    |
|                                | 5825 MHz  | 16.64               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5755 MHz  | 35.71               | 500              | Complies    |
|                                | 5795 MHz  | 35.71               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5775 MHz  | 76.23               | 500              | Complies    |



|                      |                                              |                 |     |
|----------------------|----------------------------------------------|-----------------|-----|
| <b>Temperature</b>   | 25°C                                         | <b>Humidity</b> | 46% |
| <b>Test Engineer</b> | Eddie Weng                                   |                 |     |
| <b>Test Mode</b>     | Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX) |                 |     |

| Mode                           | Frequency | 6dB Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|--------------------------------|-----------|---------------------|------------------|-------------|
| 802.11a                        | 5745 MHz  | 10.67               | 500              | Complies    |
|                                | 5785 MHz  | 9.74                | 500              | Complies    |
|                                | 5825 MHz  | 10.67               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5745 MHz  | 16.35               | 500              | Complies    |
|                                | 5785 MHz  | 16.41               | 500              | Complies    |
|                                | 5825 MHz  | 16.06               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5755 MHz  | 35.71               | 500              | Complies    |
|                                | 5795 MHz  | 35.71               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5775 MHz  | 75.65               | 500              | Complies    |

|               |                                                         |          |     |
|---------------|---------------------------------------------------------|----------|-----|
| Temperature   | 25°C                                                    | Humidity | 46% |
| Test Engineer | Lucas Huang                                             |          |     |
| Test Mode     | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX) |          |     |

For indoor / outdoor use

| Mode                           | Frequency | 6dB Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|--------------------------------|-----------|---------------------|------------------|-------------|
| 802.11a                        | 5745 MHz  | 16.35               | 500              | Complies    |
|                                | 5785 MHz  | 16.35               | 500              | Complies    |
|                                | 5825 MHz  | 16.35               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5745 MHz  | 17.57               | 500              | Complies    |
|                                | 5785 MHz  | 17.57               | 500              | Complies    |
|                                | 5825 MHz  | 17.62               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5755 MHz  | 36.29               | 500              | Complies    |
|                                | 5795 MHz  | 36.29               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5775 MHz  | 75.07               | 500              | Complies    |

|                      |                                                                          |                 |     |
|----------------------|--------------------------------------------------------------------------|-----------------|-----|
| <b>Temperature</b>   | 25°C                                                                     | <b>Humidity</b> | 46% |
| <b>Test Engineer</b> | Lucas Huang                                                              |                 |     |
| <b>Test Mode</b>     | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX) |                 |     |

| Mode                           | Frequency | 6dB Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|--------------------------------|-----------|---------------------|------------------|-------------|
| 802.11a                        | 5745 MHz  | 12.12               | 500              | Complies    |
|                                | 5785 MHz  | 12.35               | 500              | Complies    |
|                                | 5825 MHz  | 12.29               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5745 MHz  | 16.41               | 500              | Complies    |
|                                | 5785 MHz  | 15.71               | 500              | Complies    |
|                                | 5825 MHz  | 15.71               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5755 MHz  | 35.94               | 500              | Complies    |
|                                | 5795 MHz  | 36.06               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5775 MHz  | 73.62               | 500              | Complies    |

|                      |                                                                                           |                 |     |
|----------------------|-------------------------------------------------------------------------------------------|-----------------|-----|
| <b>Temperature</b>   | 25°C                                                                                      | <b>Humidity</b> | 46% |
| <b>Test Engineer</b> | Lucas Huang                                                                               |                 |     |
| <b>Test Mode</b>     | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX) |                 |     |

| Mode                           | Frequency | 6dB Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|--------------------------------|-----------|---------------------|------------------|-------------|
| 802.11a                        | 5745 MHz  | 12.93               | 500              | Complies    |
|                                | 5785 MHz  | 16.23               | 500              | Complies    |
|                                | 5825 MHz  | 16.35               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5745 MHz  | 16.70               | 500              | Complies    |
|                                | 5785 MHz  | 16.06               | 500              | Complies    |
|                                | 5825 MHz  | 16.70               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5755 MHz  | 36.17               | 500              | Complies    |
|                                | 5795 MHz  | 36.41               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5775 MHz  | 75.94               | 500              | Complies    |

|               |                                                                                                            |          |     |
|---------------|------------------------------------------------------------------------------------------------------------|----------|-----|
| Temperature   | 25°C                                                                                                       | Humidity | 46% |
| Test Engineer | Lucas Huang                                                                                                |          |     |
| Test Mode     | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX) |          |     |

| Mode                           | Frequency | 6dB Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|--------------------------------|-----------|---------------------|------------------|-------------|
| 802.11a                        | 5745 MHz  | 13.16               | 500              | Complies    |
|                                | 5785 MHz  | 15.54               | 500              | Complies    |
|                                | 5825 MHz  | 16.29               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5745 MHz  | 16.64               | 500              | Complies    |
|                                | 5785 MHz  | 16.12               | 500              | Complies    |
|                                | 5825 MHz  | 16.46               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5755 MHz  | 35.83               | 500              | Complies    |
|                                | 5795 MHz  | 35.83               | 500              | Complies    |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5775 MHz  | 75.94               | 500              | Complies    |

Note: All the test values were listed in the report.

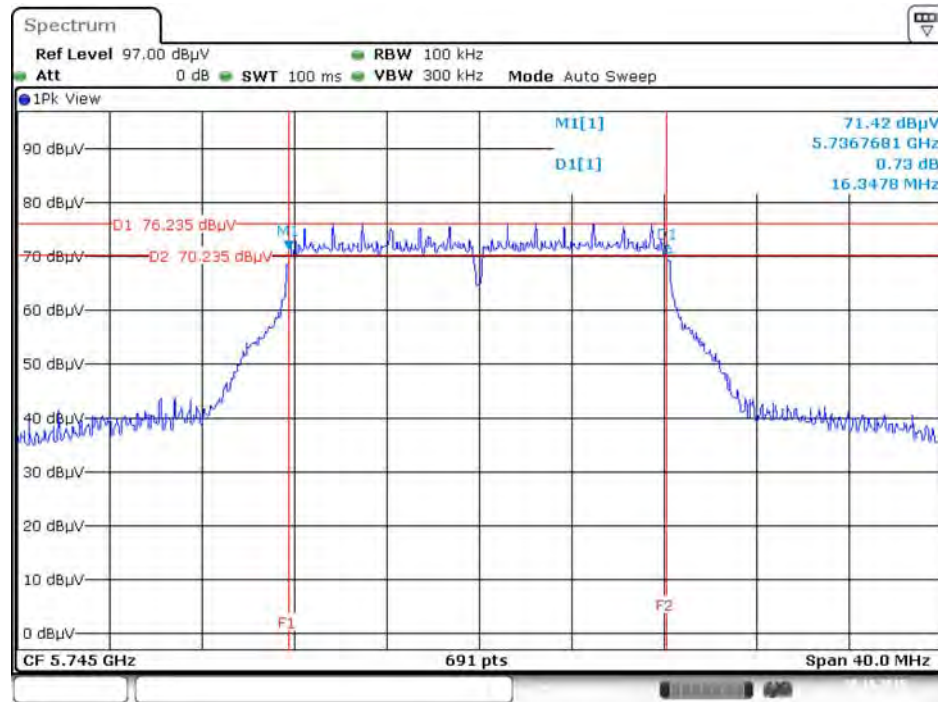
For plots, only the channel with worse result was shown.

For Non-Beamforming Mode

For indoor / outdoor use

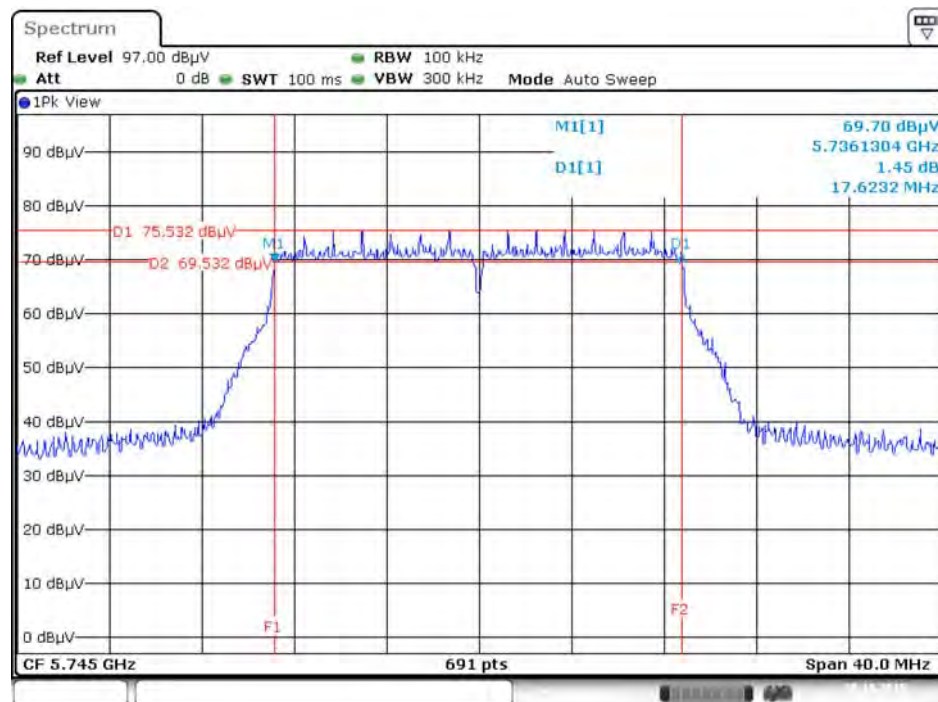
Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 / 5745 MHz



Date: 20.OCT.2015 23:12:19

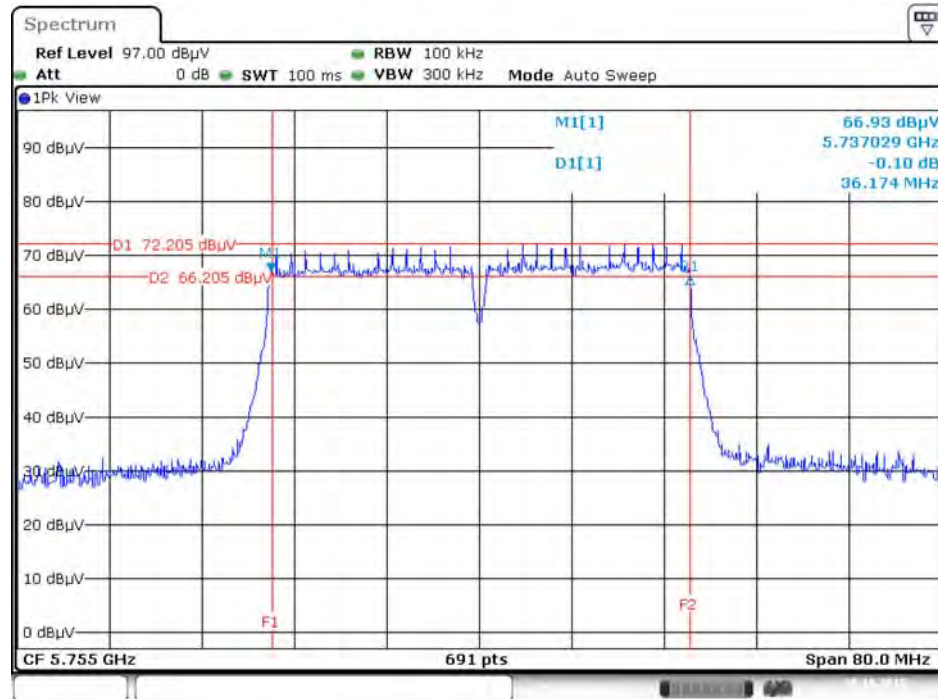
6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5745 MHz



Date: 20.OCT.2015 23:38:12

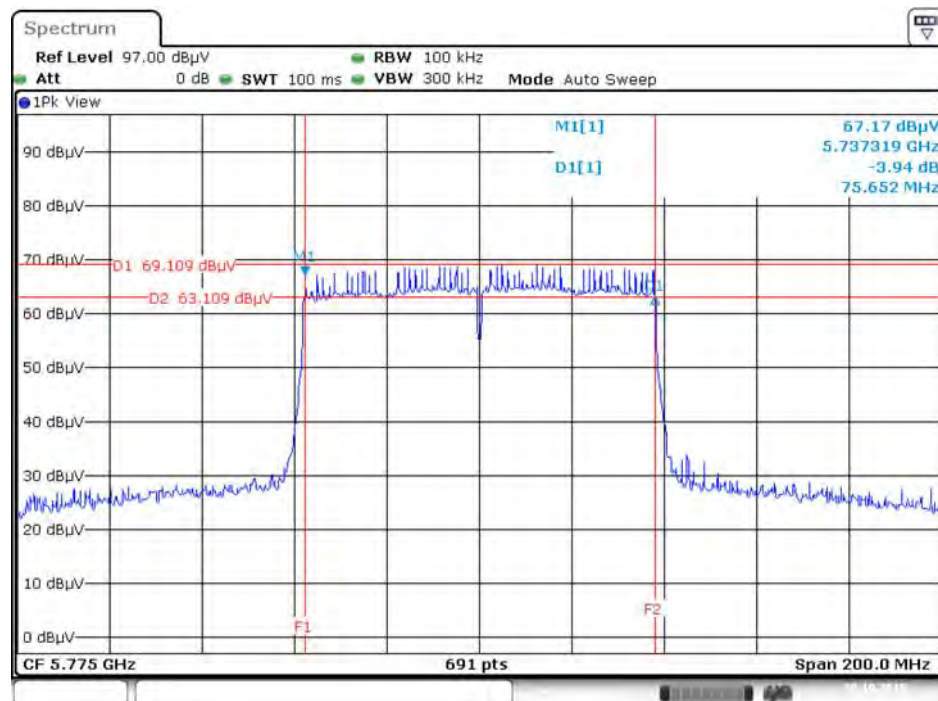


### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5755MHz



Date: 20.OCT.2015 23:41:04

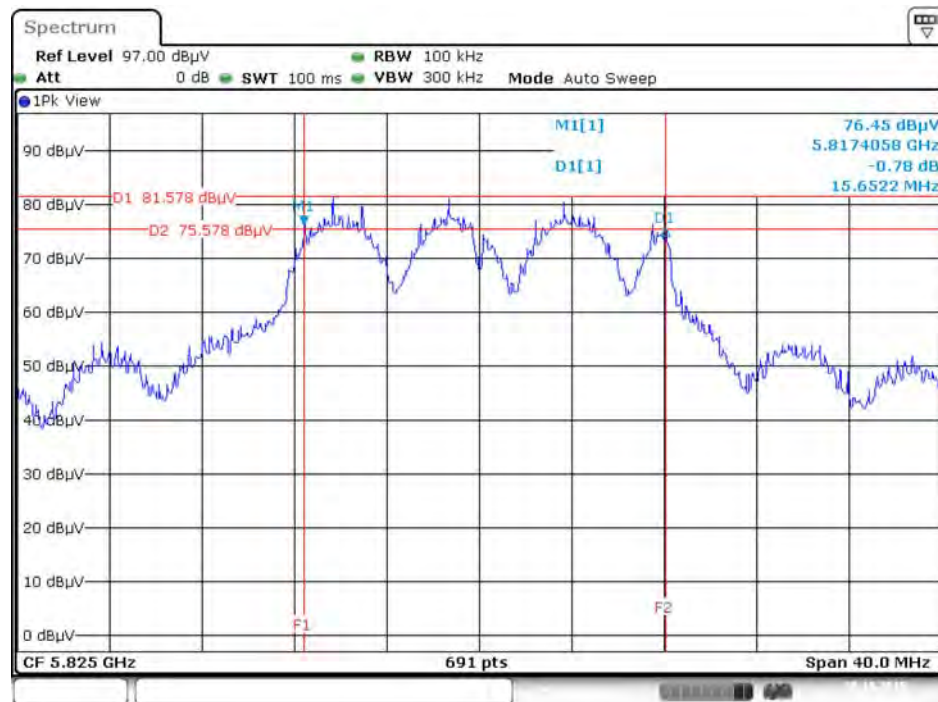
### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5775 MHz



Date: 20.OCT.2015 23:42:18

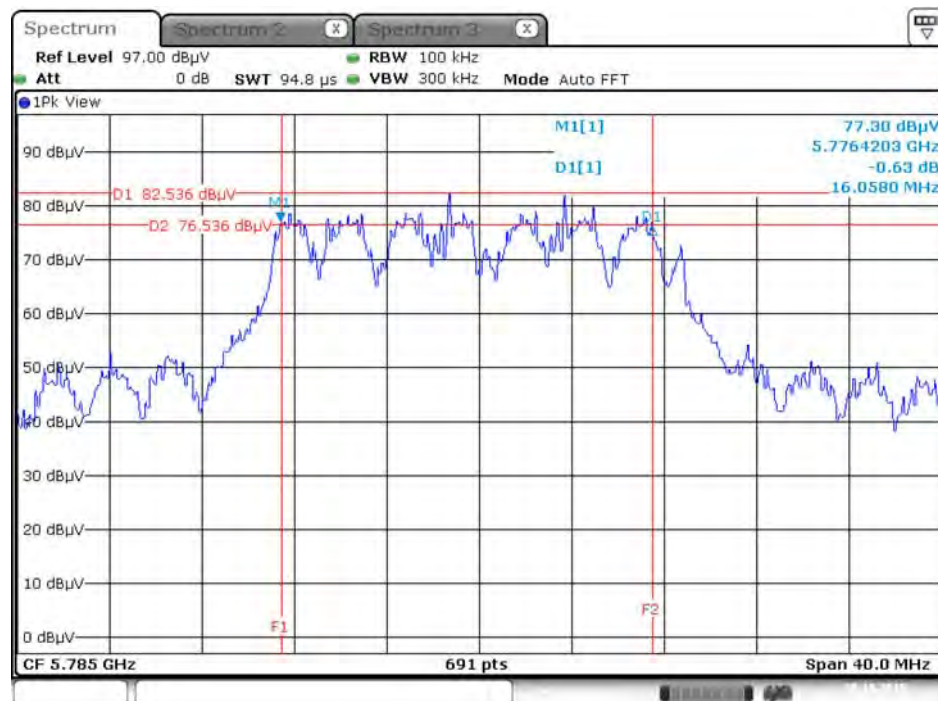
Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 / 5825 MHz



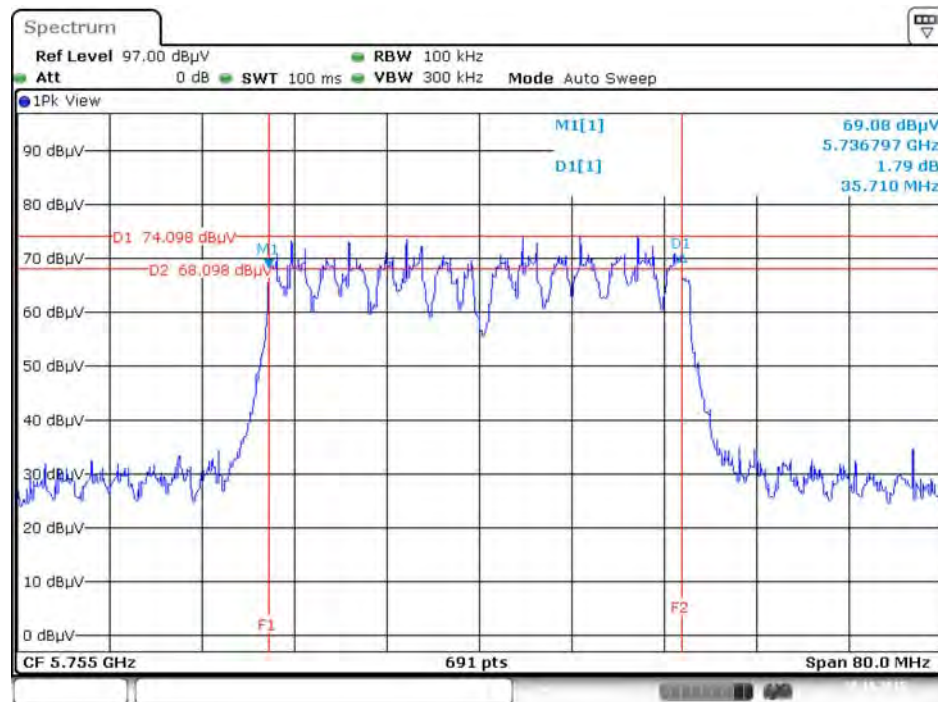
Date: 20.OCT.2015 22:26:49

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5785 MHz



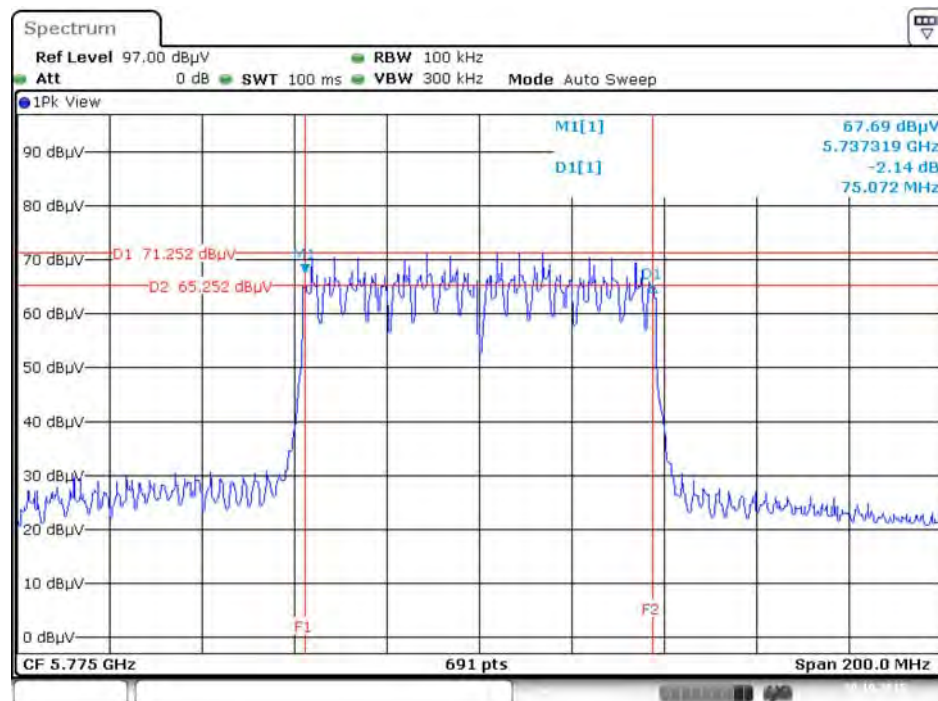
Date: 20.OCT.2015 11:12:52

### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5755 MHz



Date: 20.OCT.2015 22:34:32

### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5775 MHz

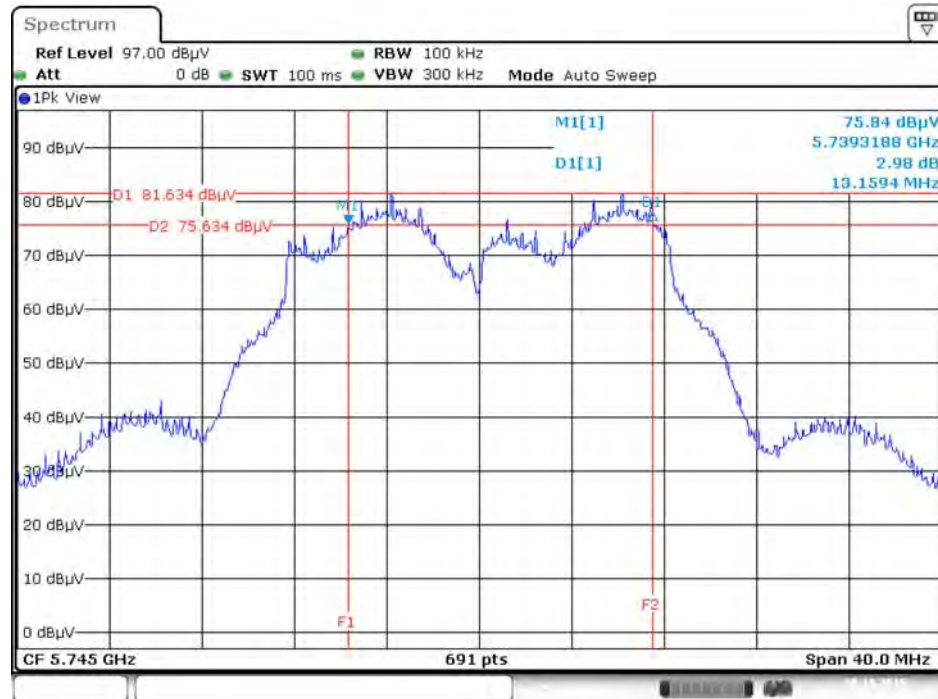


Date: 20.OCT.2015 23:54:17



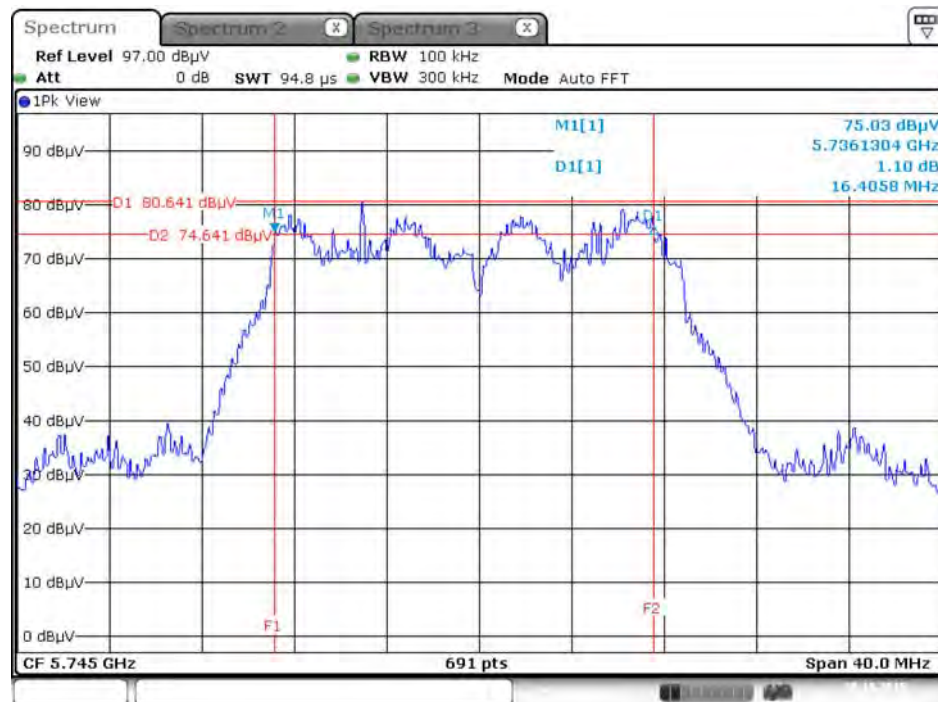
Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5745 MHz



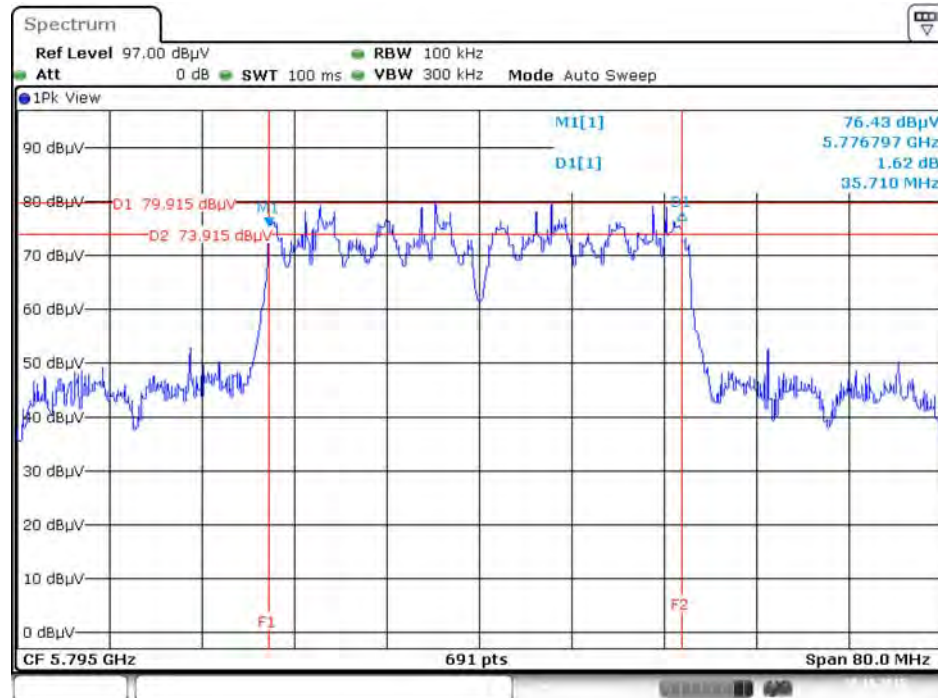
Date: 20.OCT.2015 23:55:53

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5745 MHz



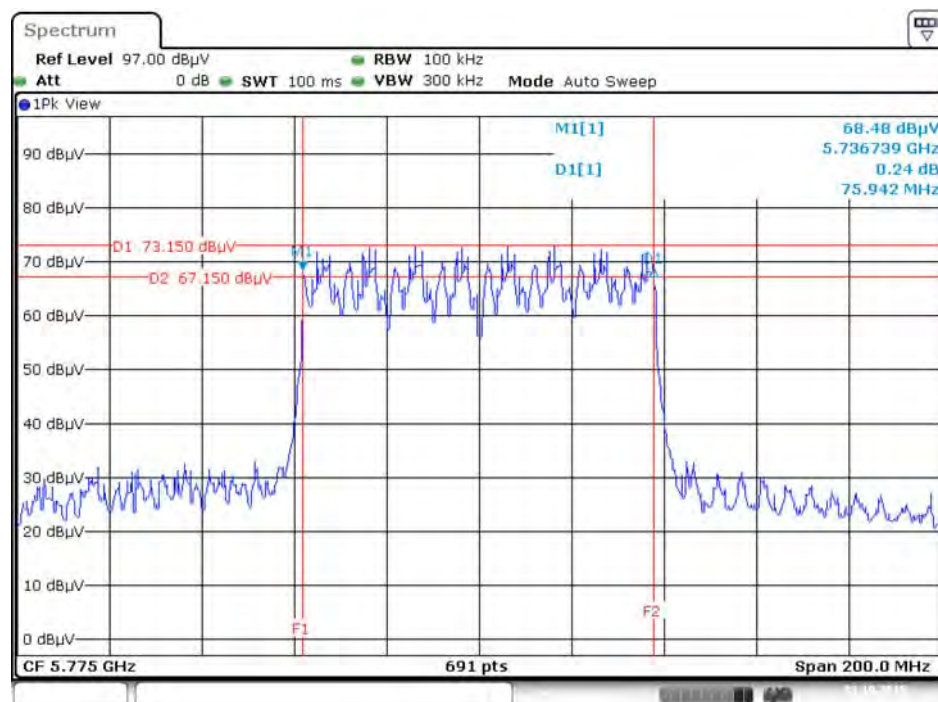
Date: 20.OCT.2015 11:29:53

### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5795 MHz



Date: 20.OCT.2015 22:44:54

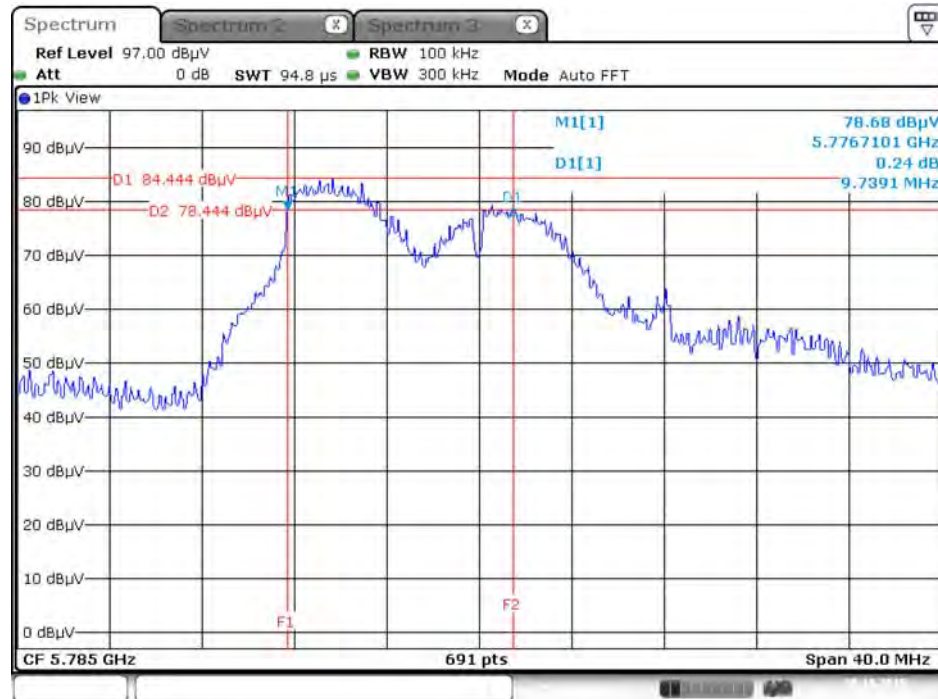
### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5775 MHz



Date: 21.OCT.2015 00:03:21

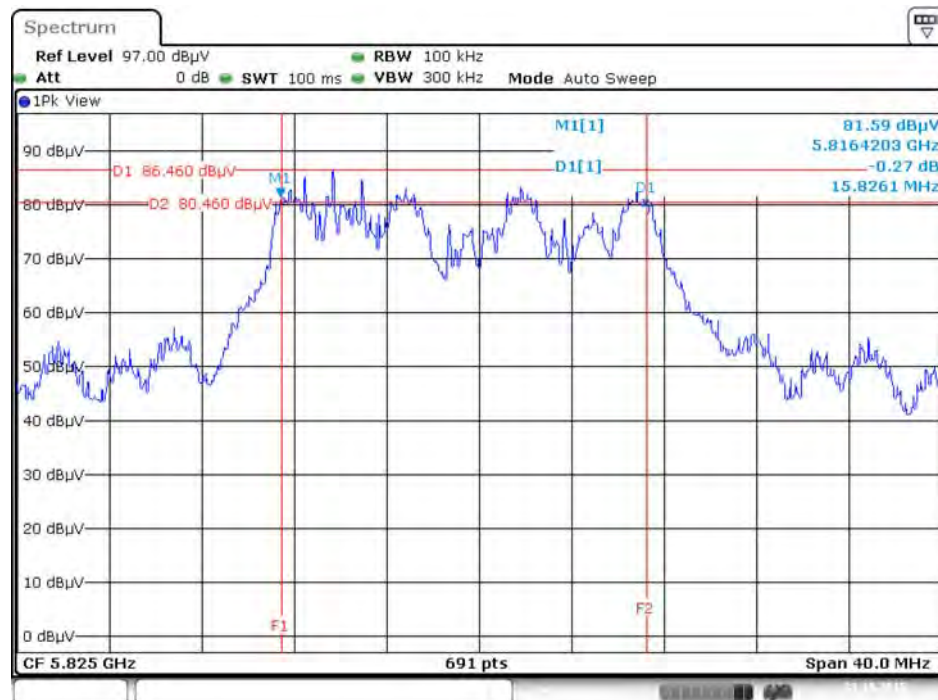
Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



Date: 20.OCT.2015 11:53:43

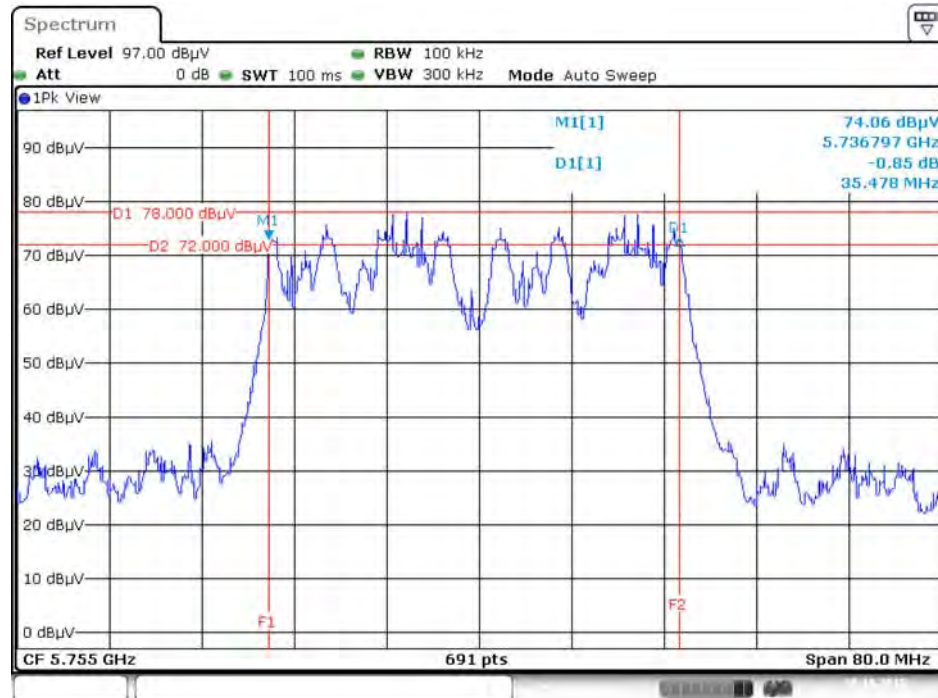
6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5825 MHz



Date: 21.OCT.2015 00:26:25

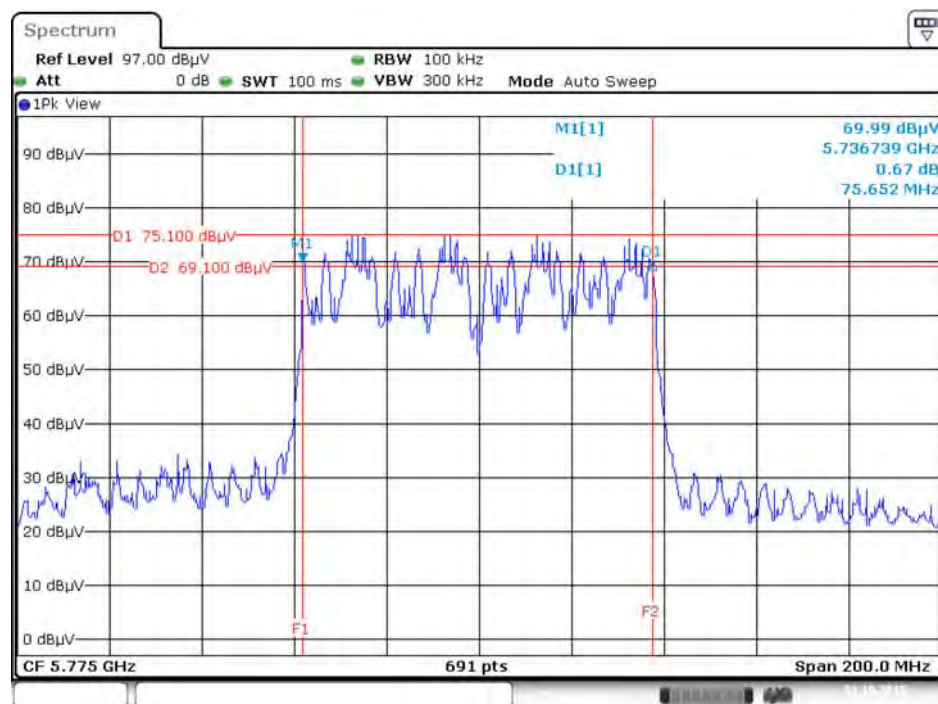


### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5755 MHz



Date: 20.OCT.2015 23:01:15

### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz

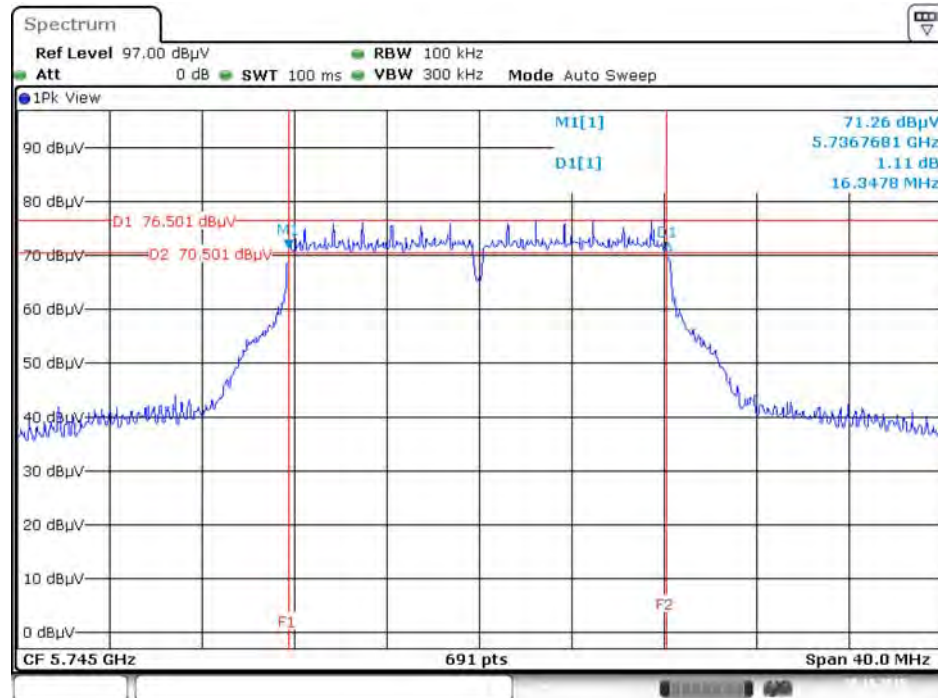


Date: 21.OCT.2015 00:30:27

For indoor / outdoor use

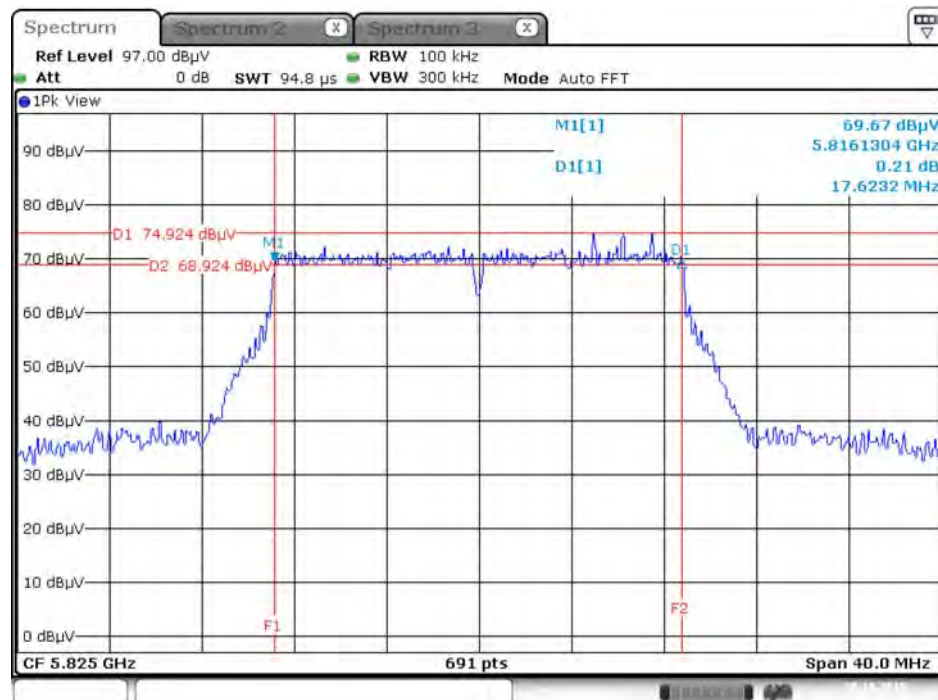
Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi\*1 / 1TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 / 5745 MHz



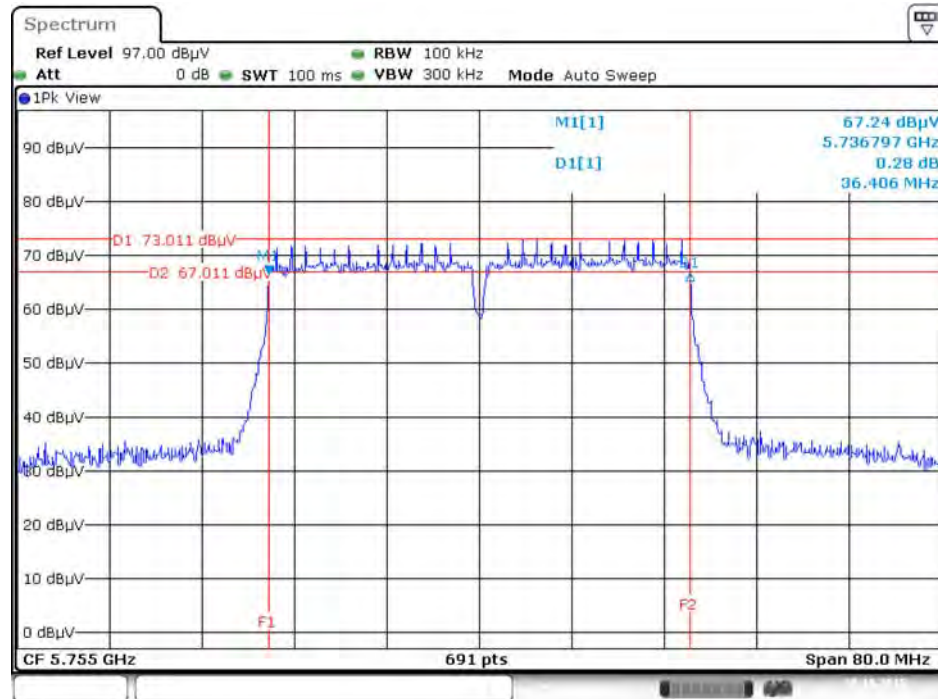
Date: 20.OCT.2015 22:13:11

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5825 MHz



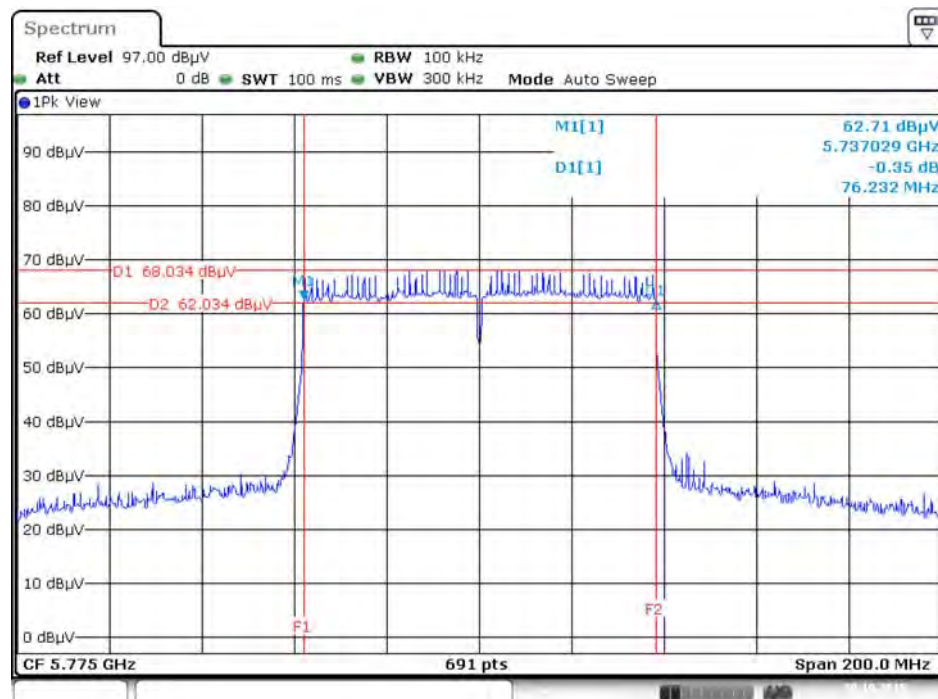
Date: 20.OCT.2015 10:36:24

### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5755MHz



Date: 20.OCT.2015 22:19:04

### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5775 MHz

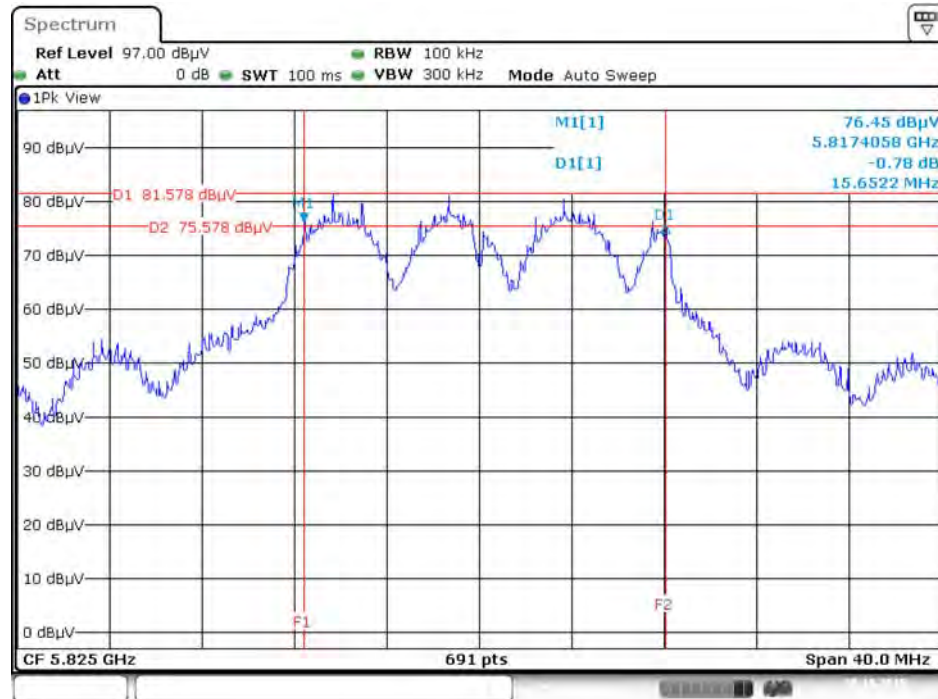


Date: 20.OCT.2015 19:49:12



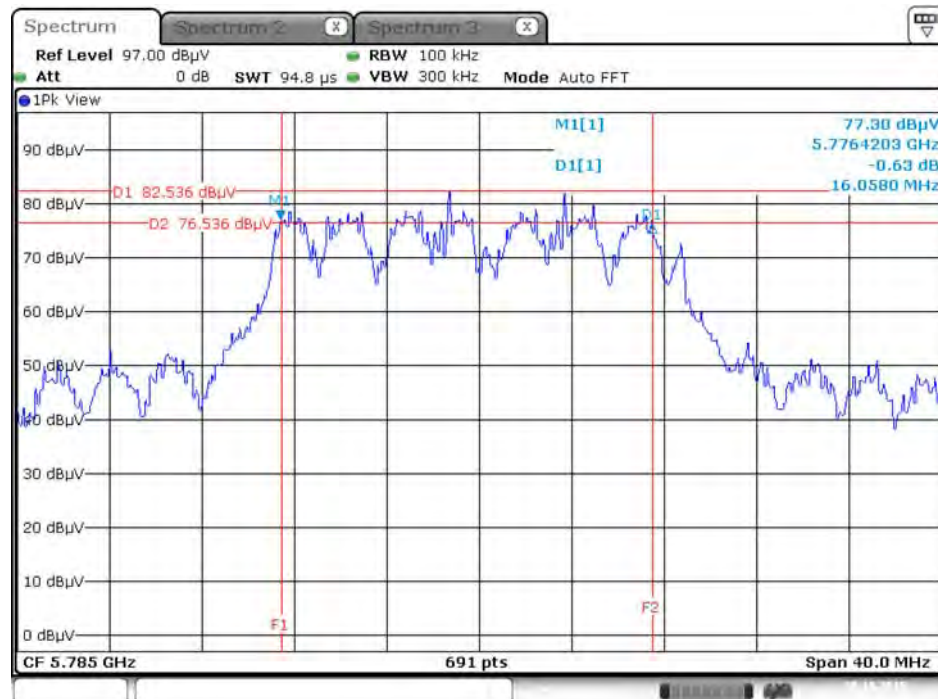
Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi\*1, (2B)1.66dBi\*1 / 2TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 / 5825 MHz



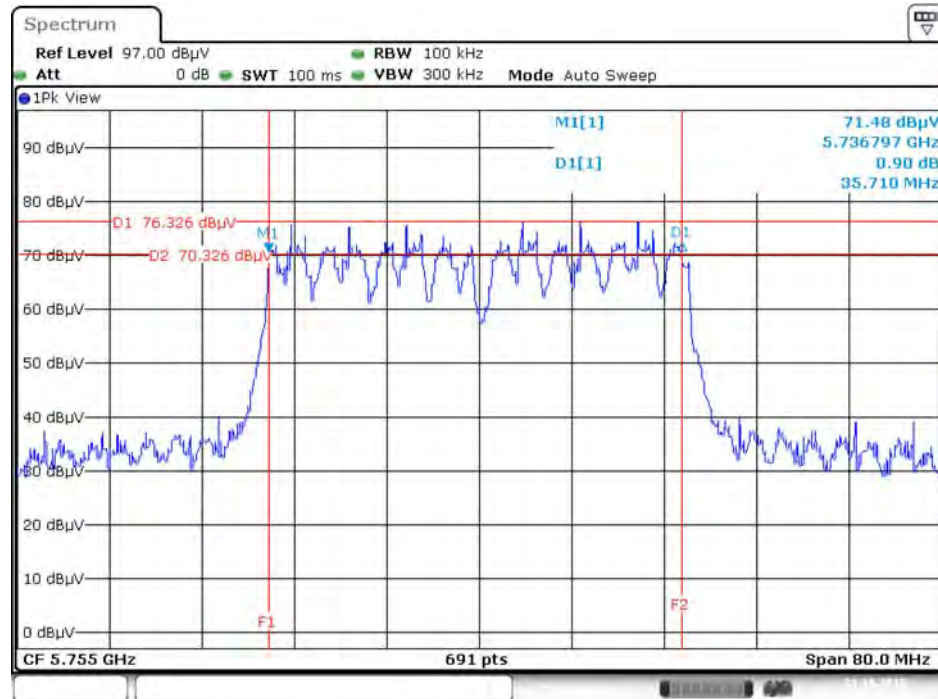
Date: 20.OCT.2015 22:26:49

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5785 MHz



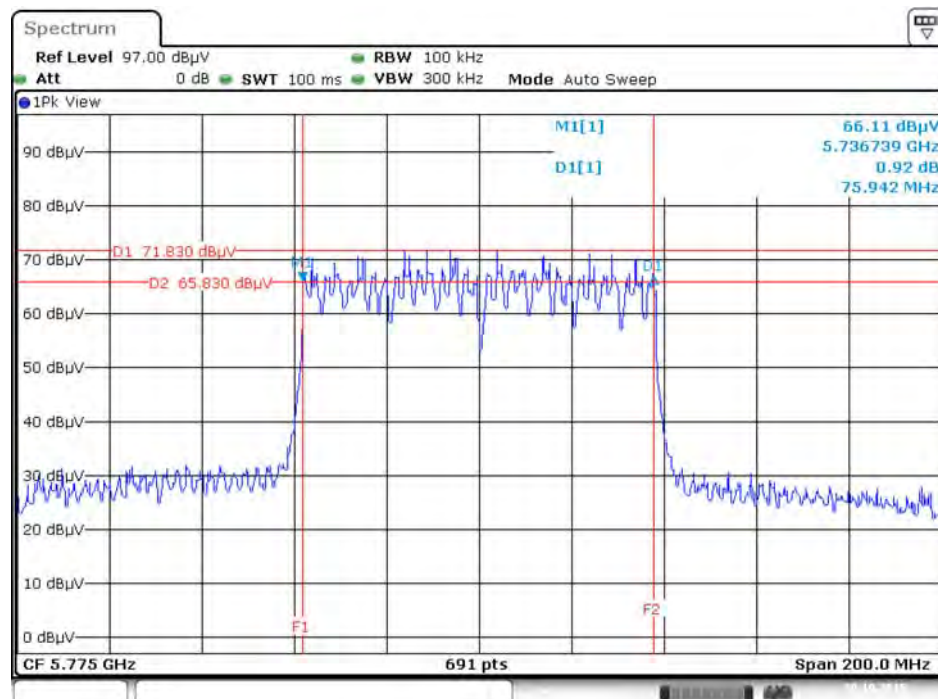
Date: 20.OCT.2015 11:12:52

### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5755 MHz



Date: 21.OCT.2015 00:49:15

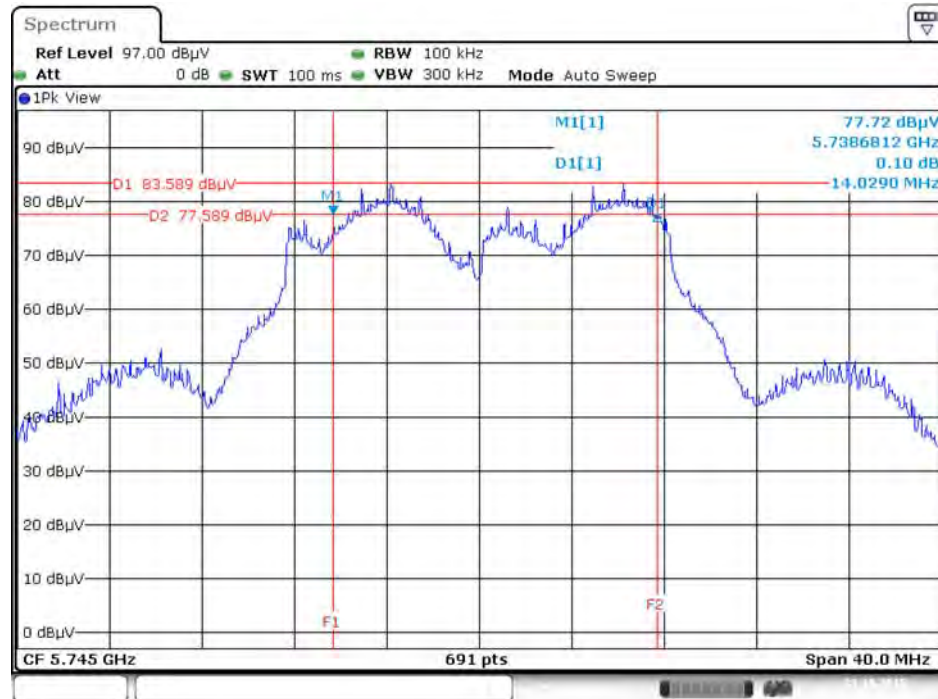
### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5775 MHz



Date: 20.OCT.2015 22:39:24

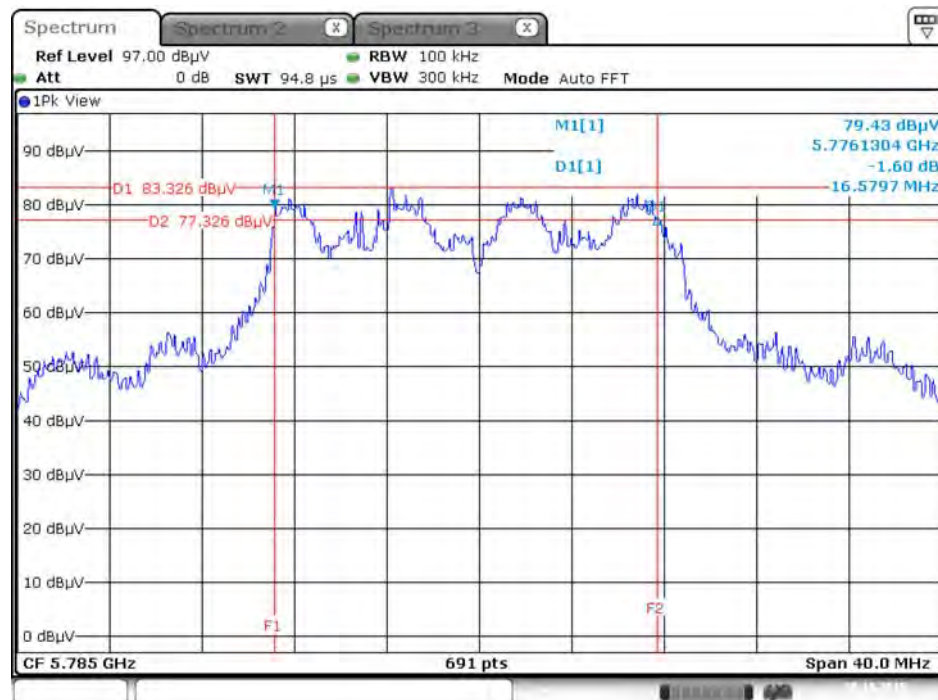
Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi\*2, (2B)1.66dBi\*1 / 3TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5745 MHz



Date: 21.OCT.2015 00:53:08

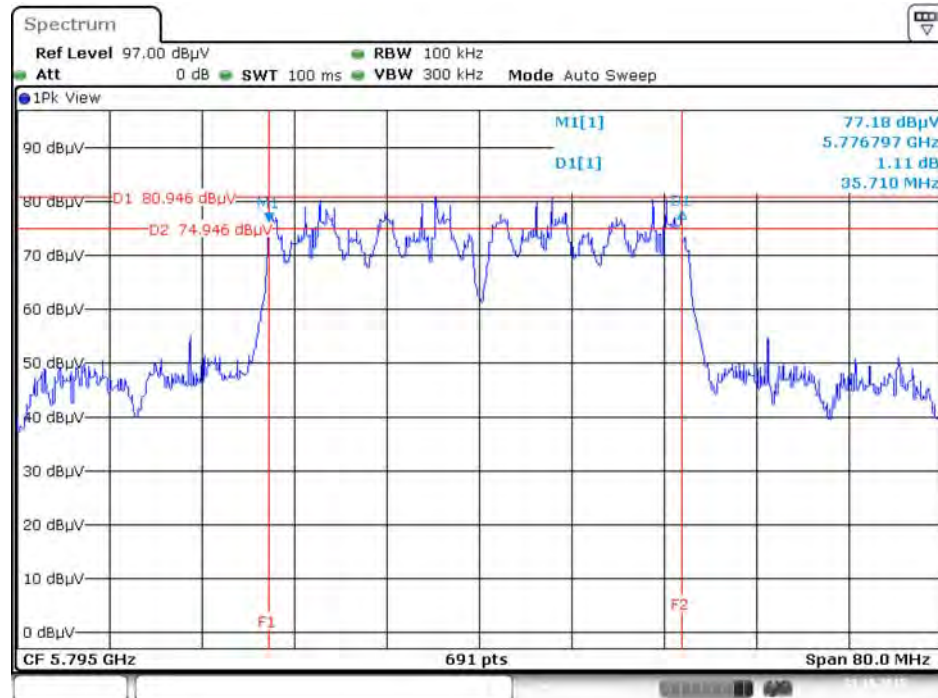
6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5785 MHz



Date: 20.OCT.2015 11:30:20

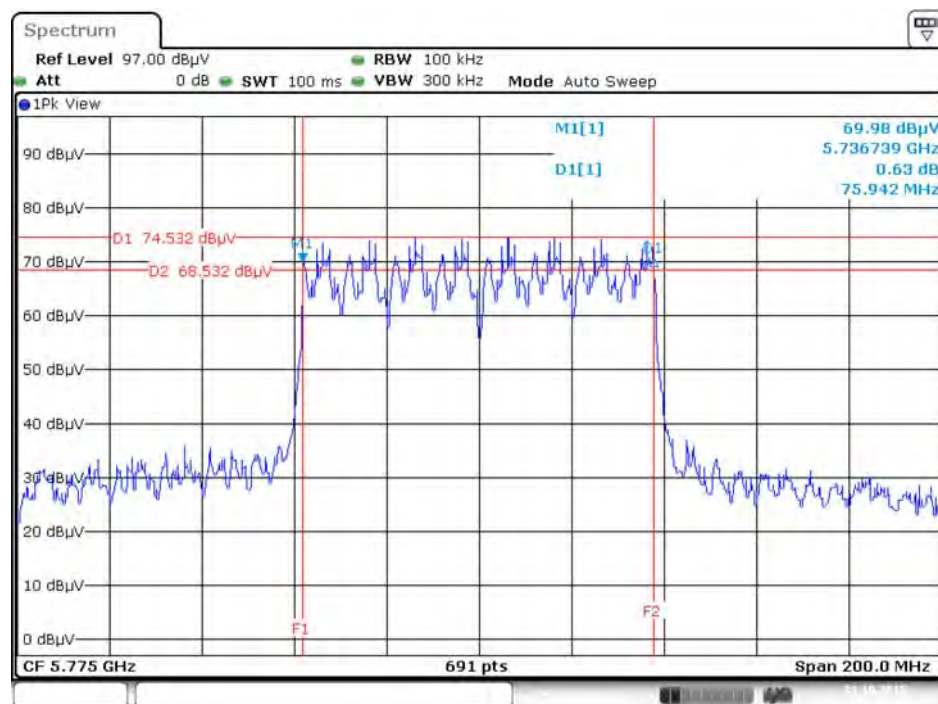


### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5795 MHz



Date: 21.OCT.2015 00:57:17

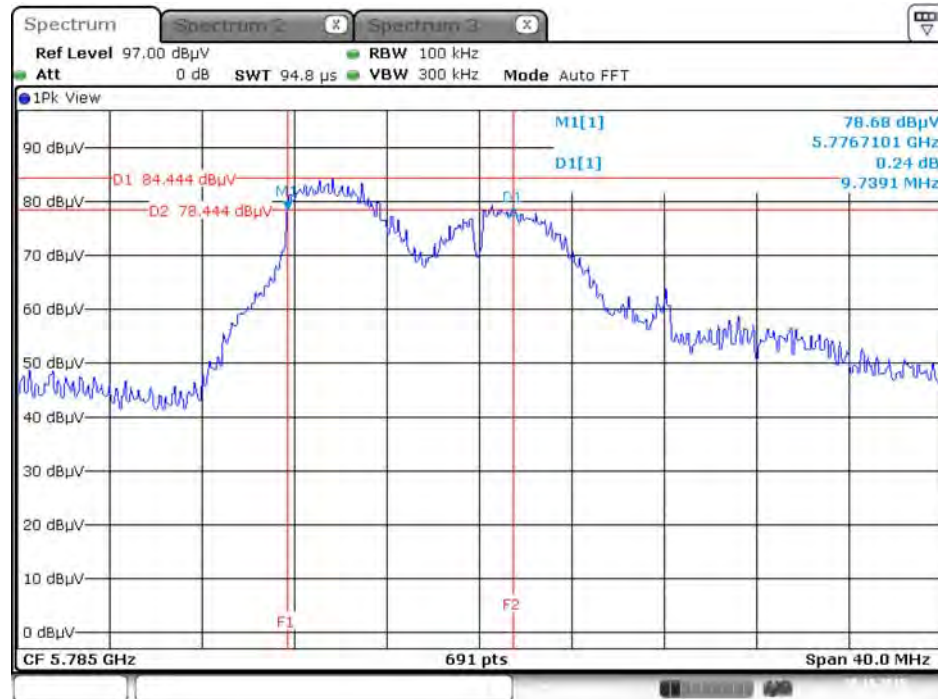
### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5775 MHz



Date: 21.OCT.2015 00:58:15

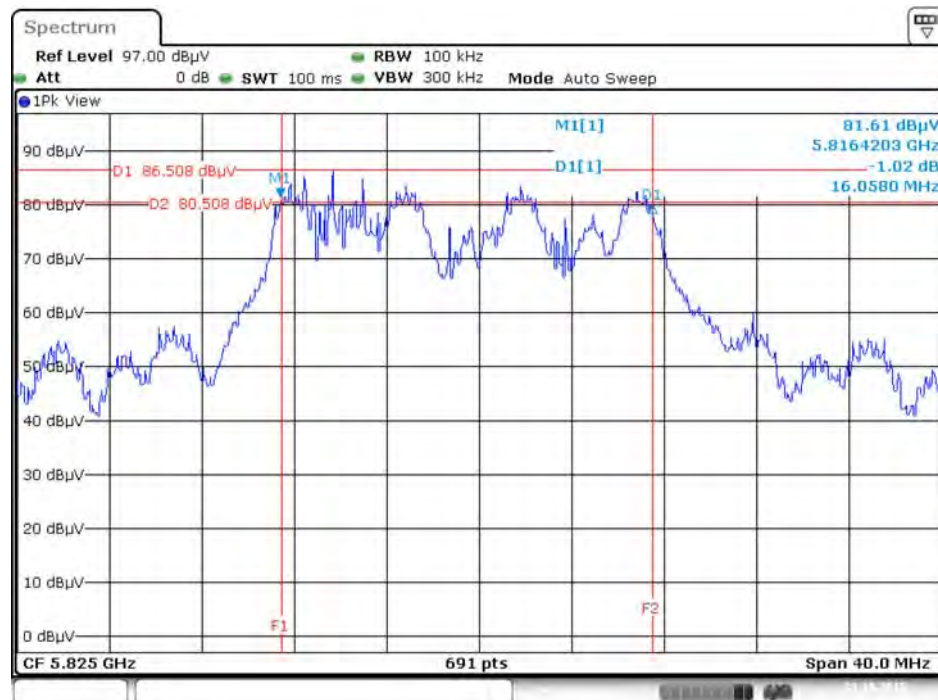
Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi\*2, (2B)1.66dBi\*2 / 4TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



Date: 20.OCT.2015 11:53:43

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5825 MHz



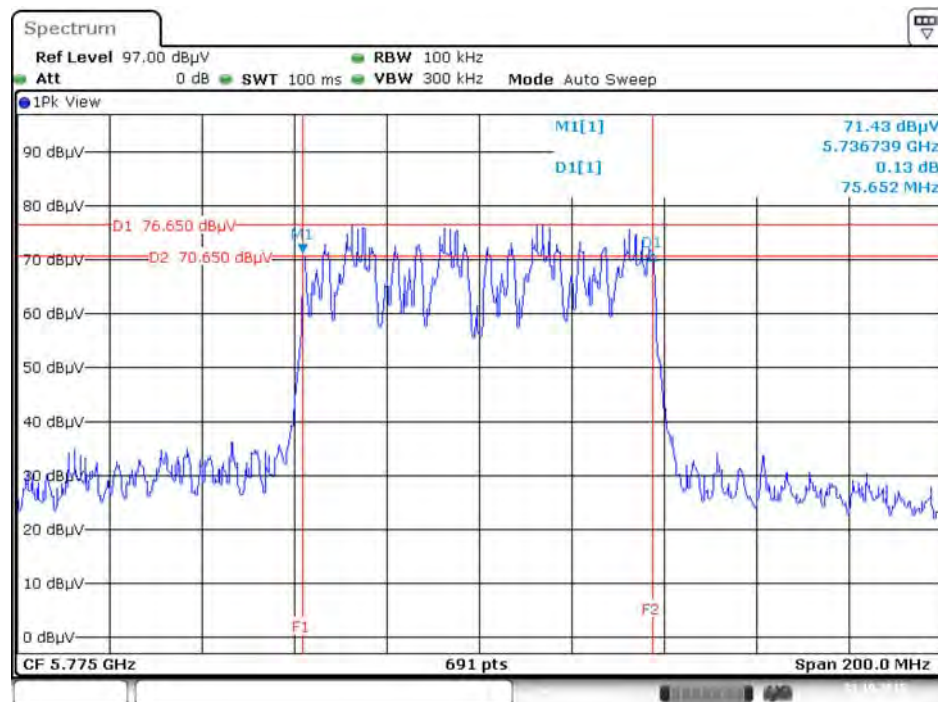
Date: 21.OCT.2015 01:04:08

### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz



Date: 21.OCT.2015 01:05:02

### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz



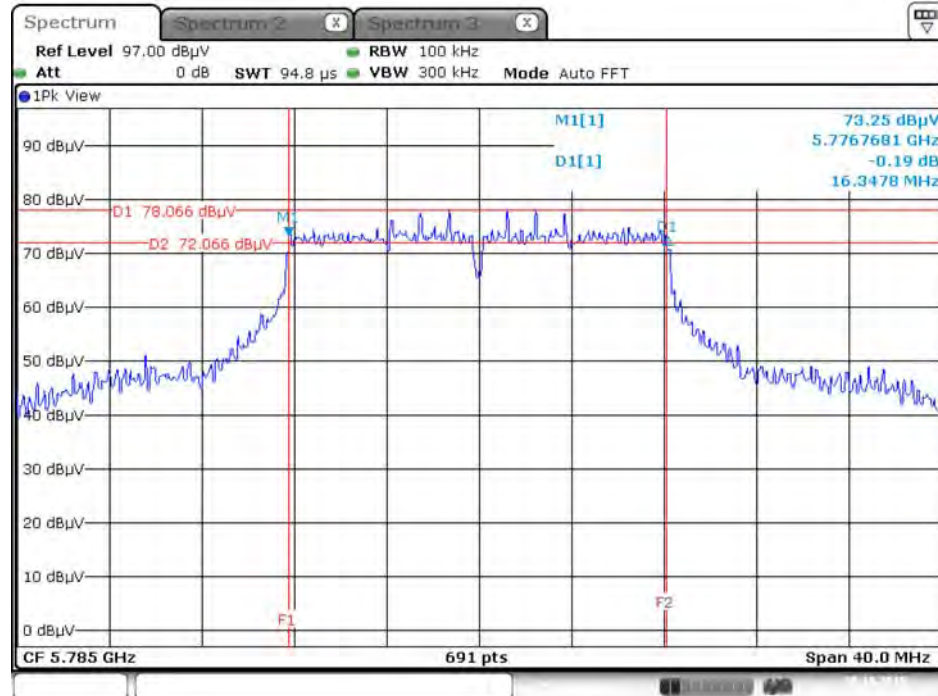
Date: 21.OCT.2015 01:07:49



For indoor / outdoor use

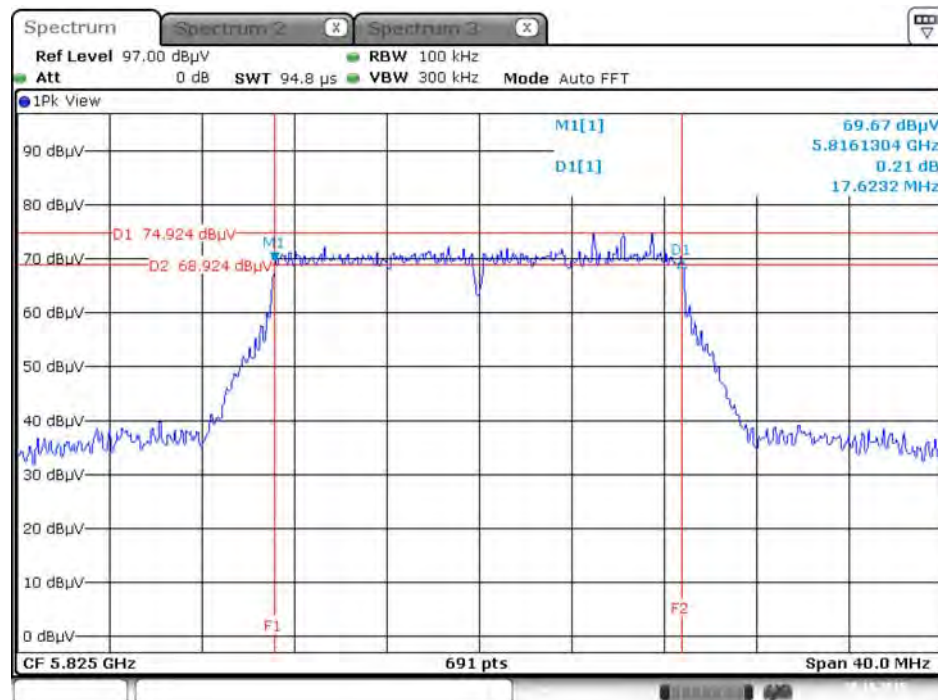
Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 / 5785 MHz



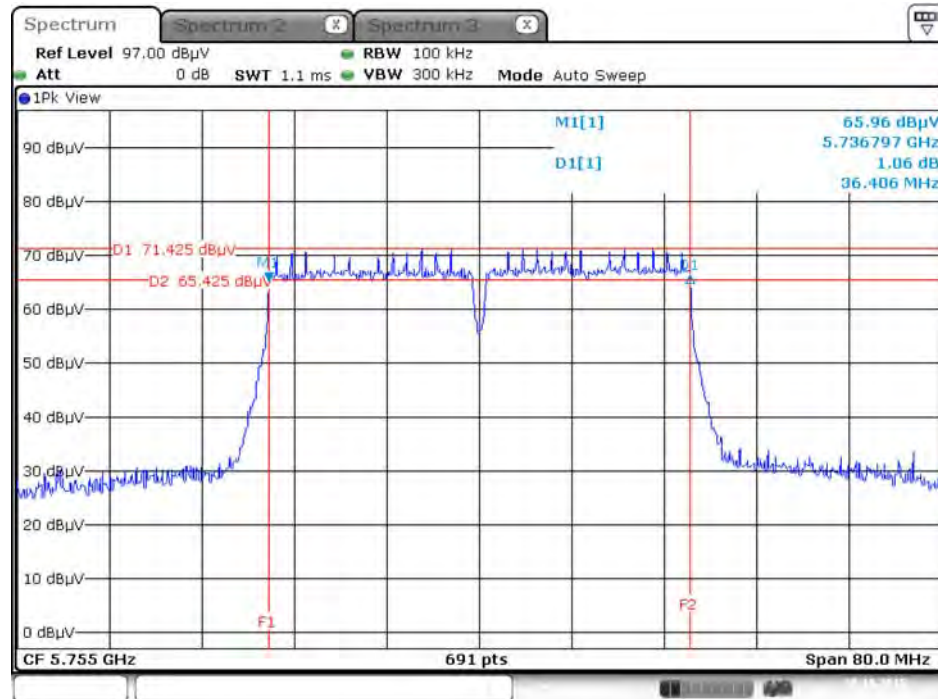
Date: 20.OCT.2015 10:25:44

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5825 MHz



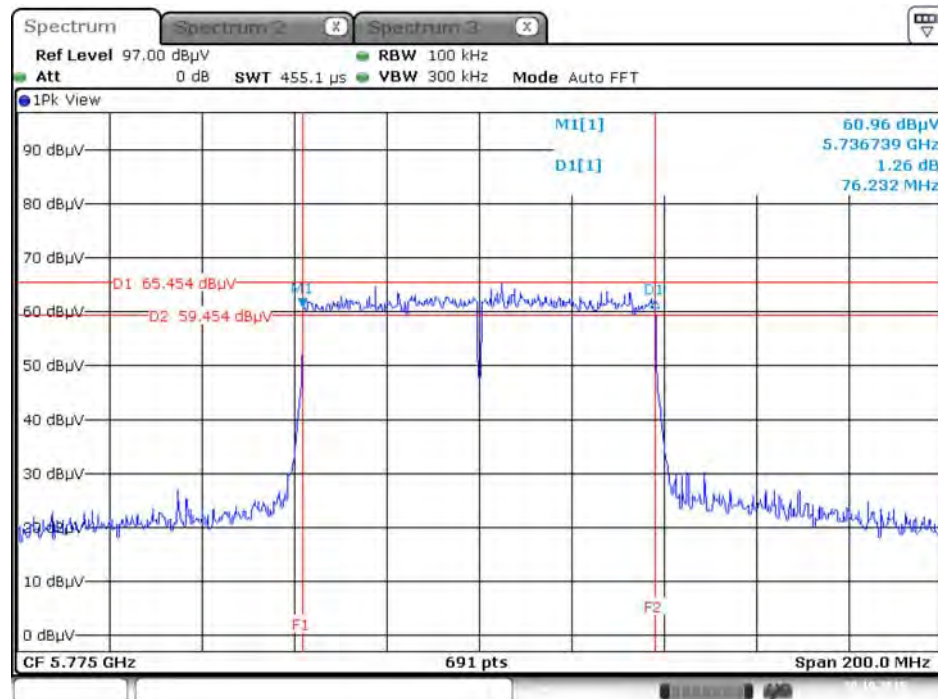
Date: 20.OCT.2015 10:36:24

### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5755MHz



Date: 20.OCT.2015 10:43:48

### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5775 MHz

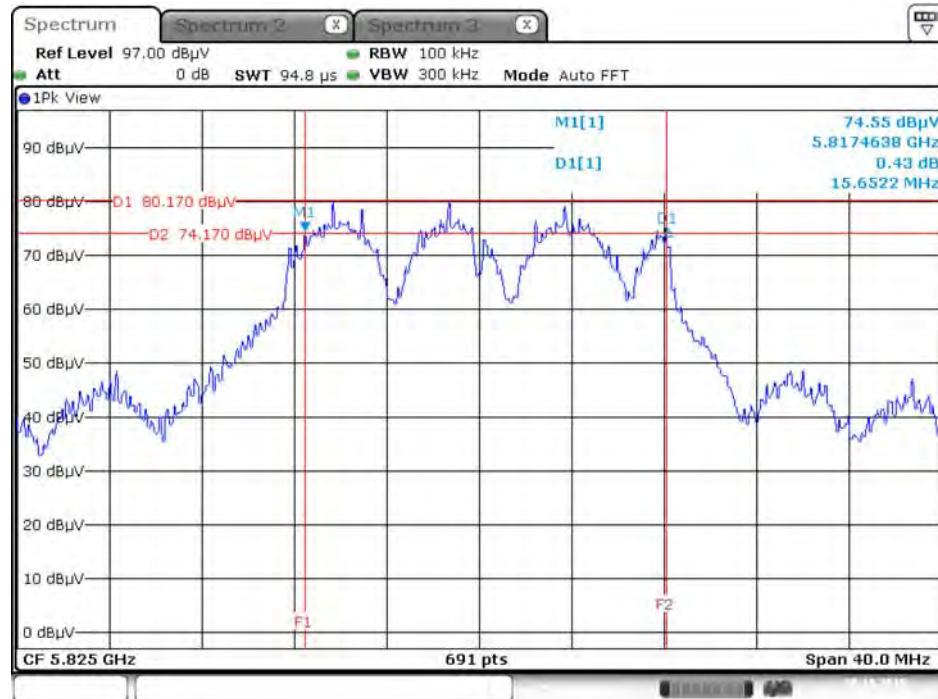


Date: 20.OCT.2015 10:46:51



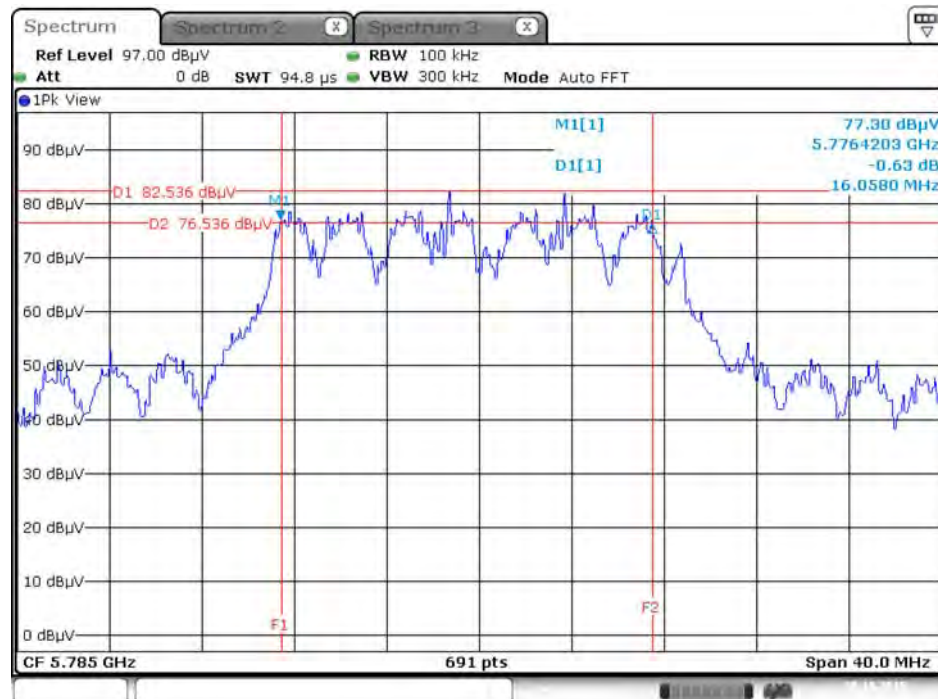
Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 / 5825 MHz



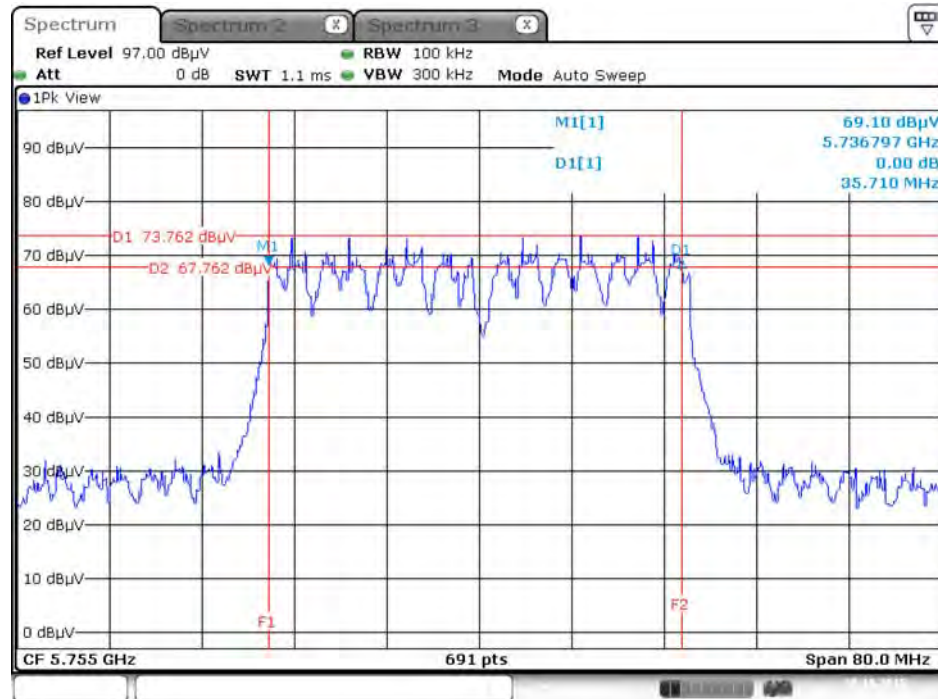
Date: 20.OCT.2015 11:15:01

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5785 MHz



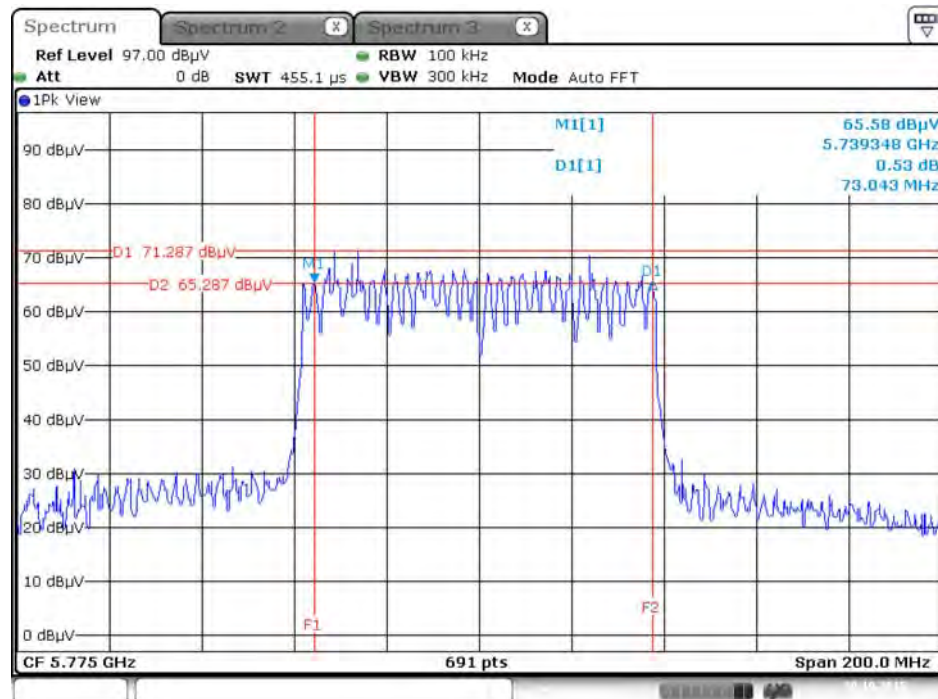
Date: 20.OCT.2015 11:12:52

### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5755MHz



Date: 20.OCT.2015 11:10:41

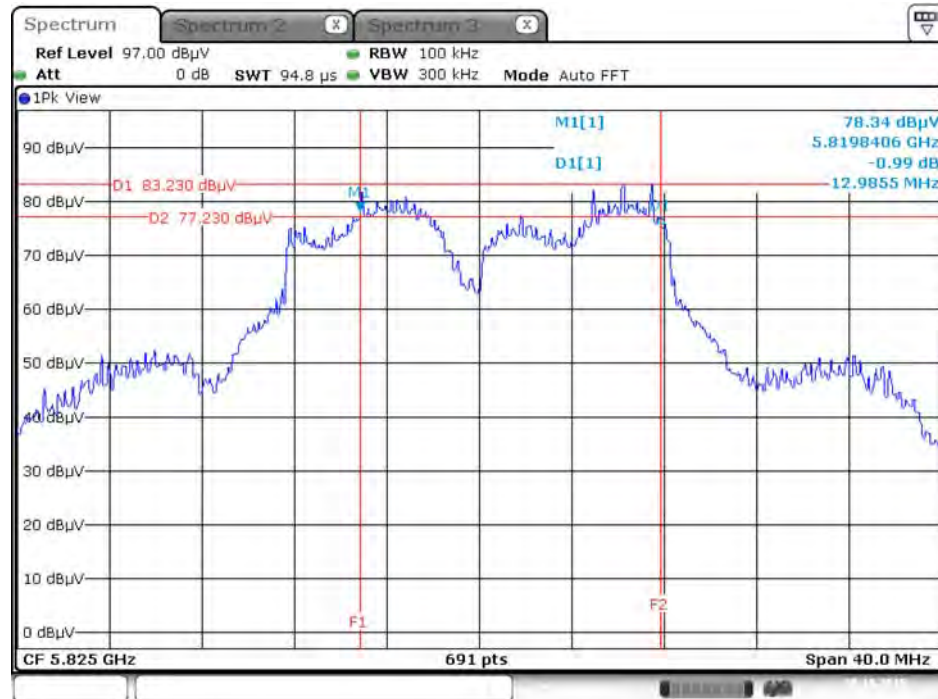
### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5775 MHz



Date: 20.OCT.2015 11:10:06

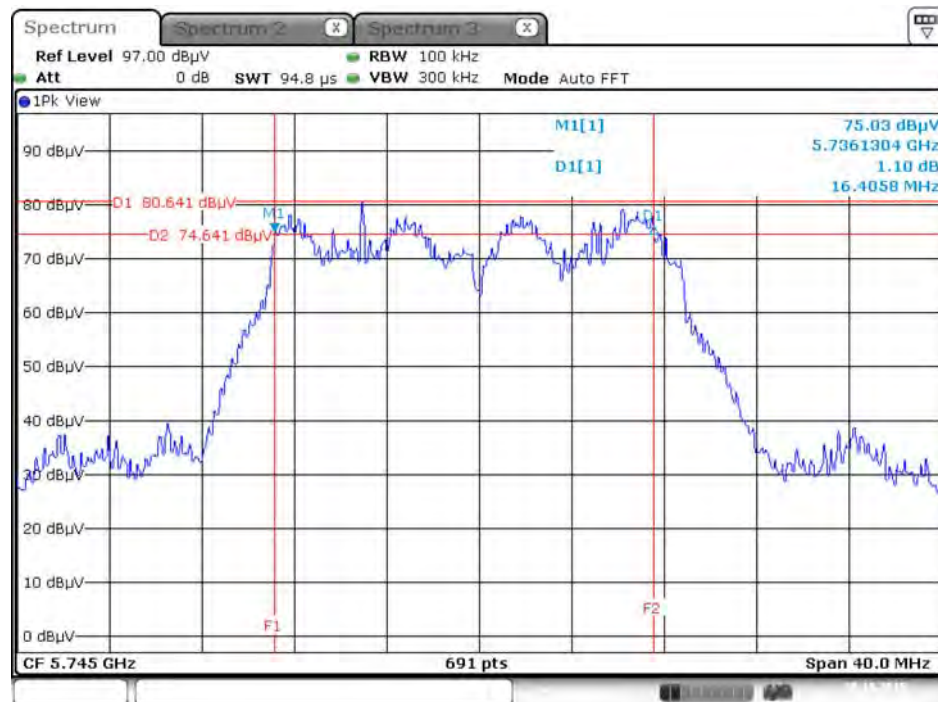
Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5825 MHz



Date: 20.OCT.2015 11:32:16

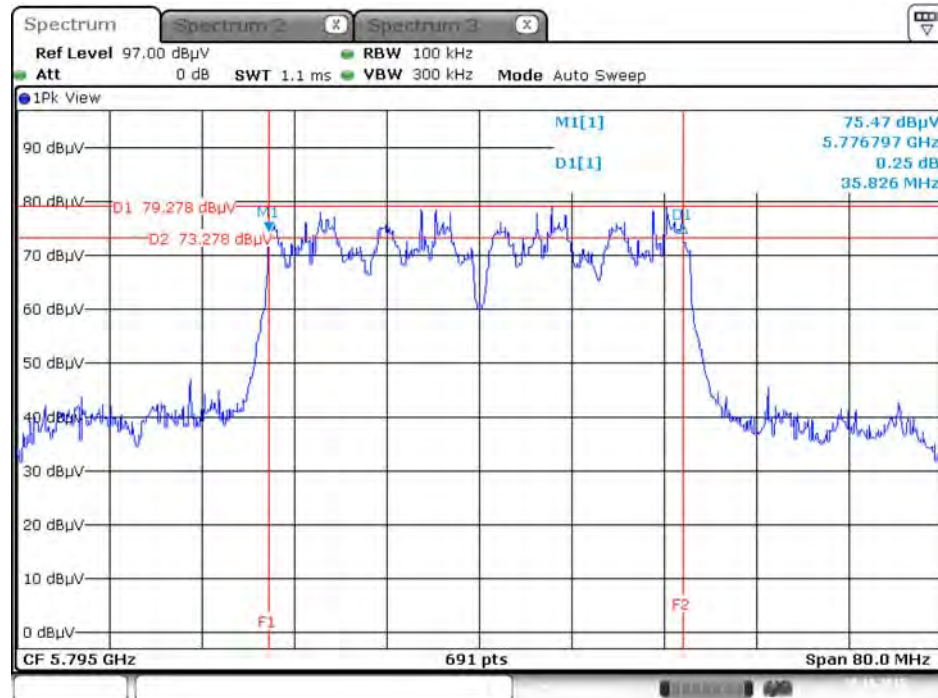
6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5745 MHz



Date: 20.OCT.2015 11:29:53

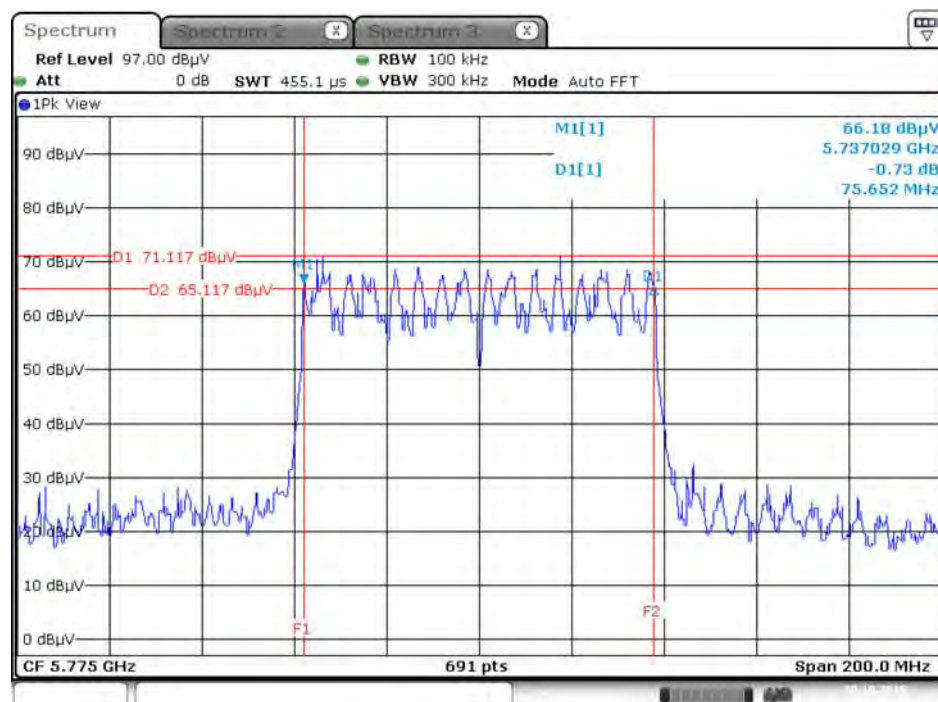


### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5795MHz



Date: 20.OCT.2015 11:29:13

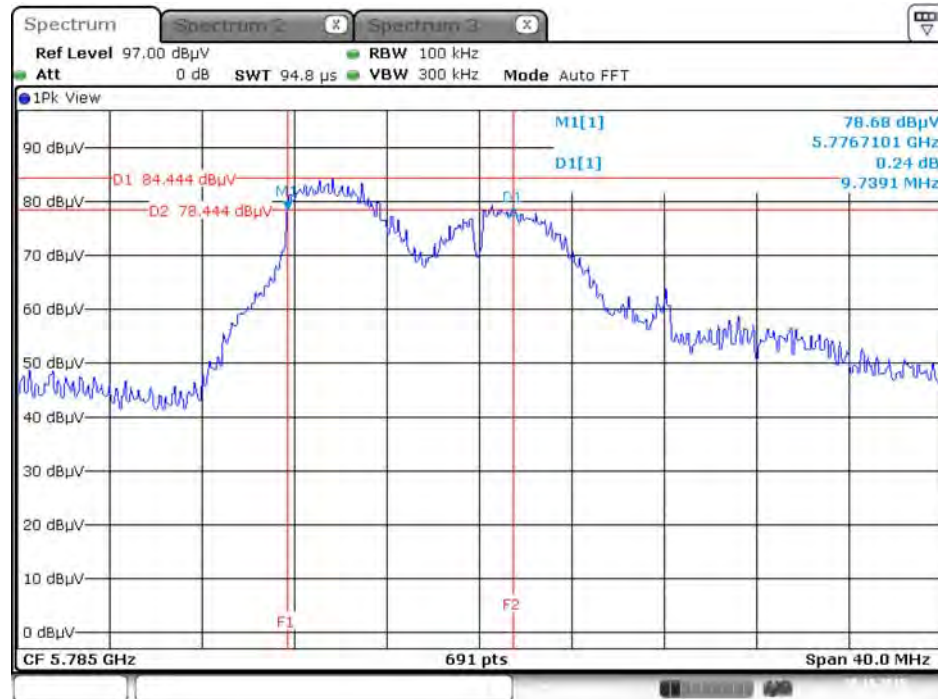
### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5775 MHz



Date: 20.OCT.2015 11:27:51

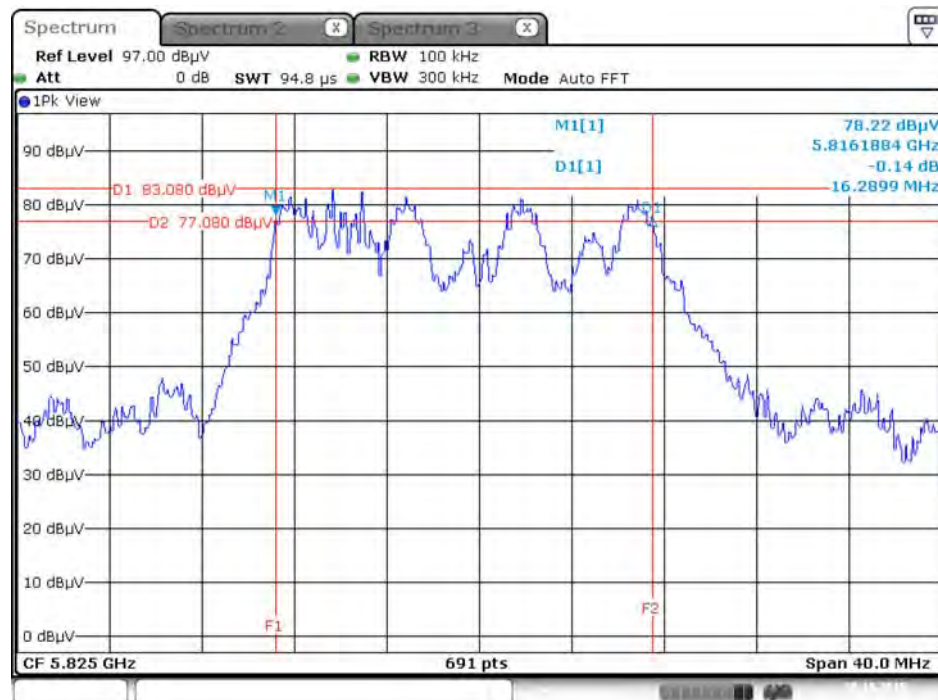
Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



Date: 20.OCT.2015 11:53:43

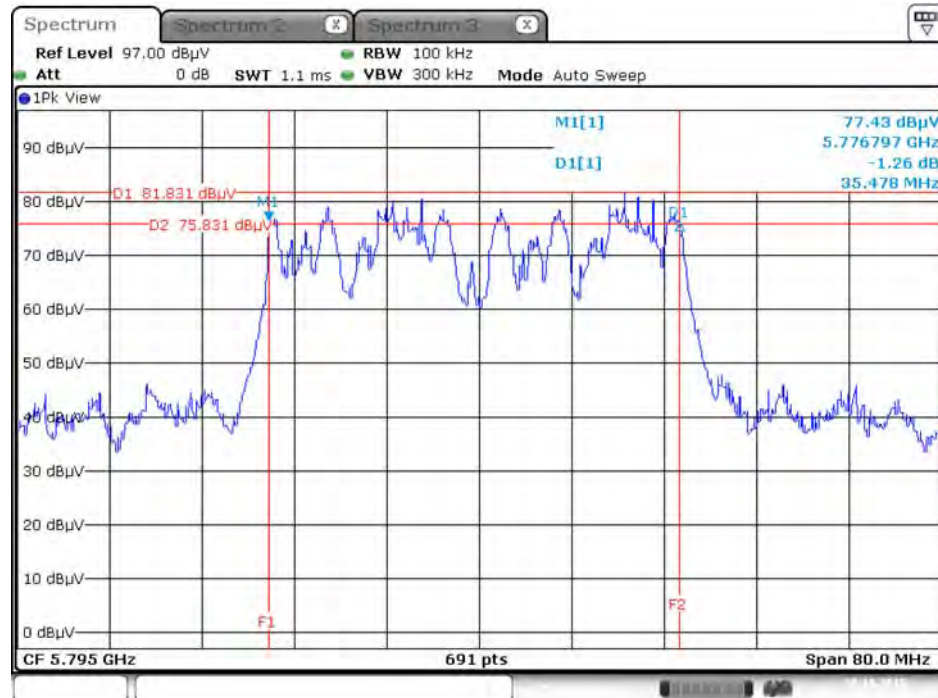
6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5825 MHz



Date: 20.OCT.2015 11:52:11

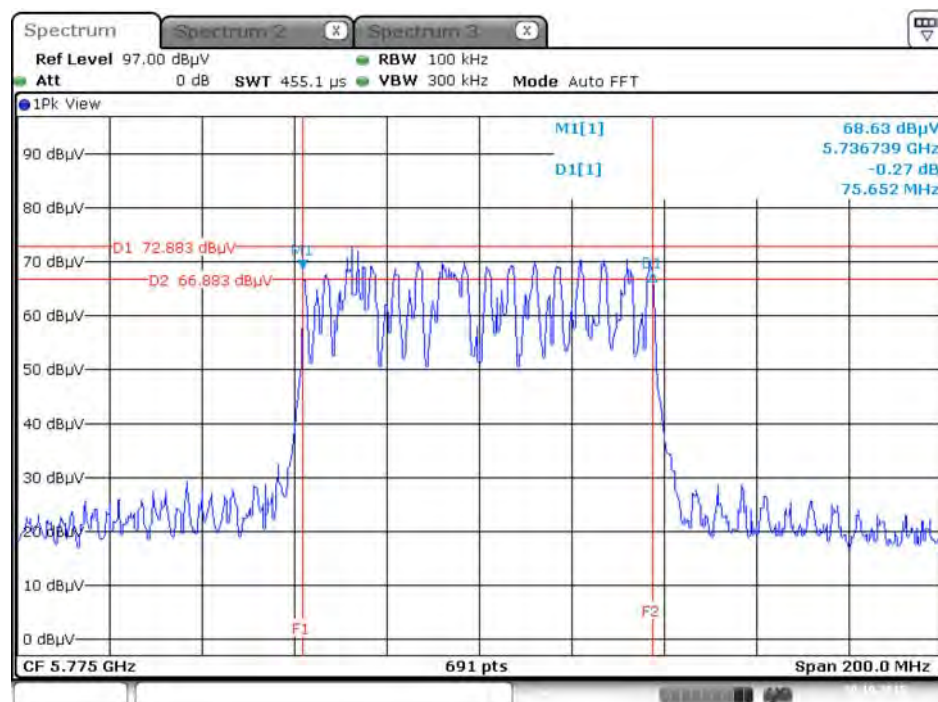


### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz



Date: 20.OCT.2015 11:48:39

### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz

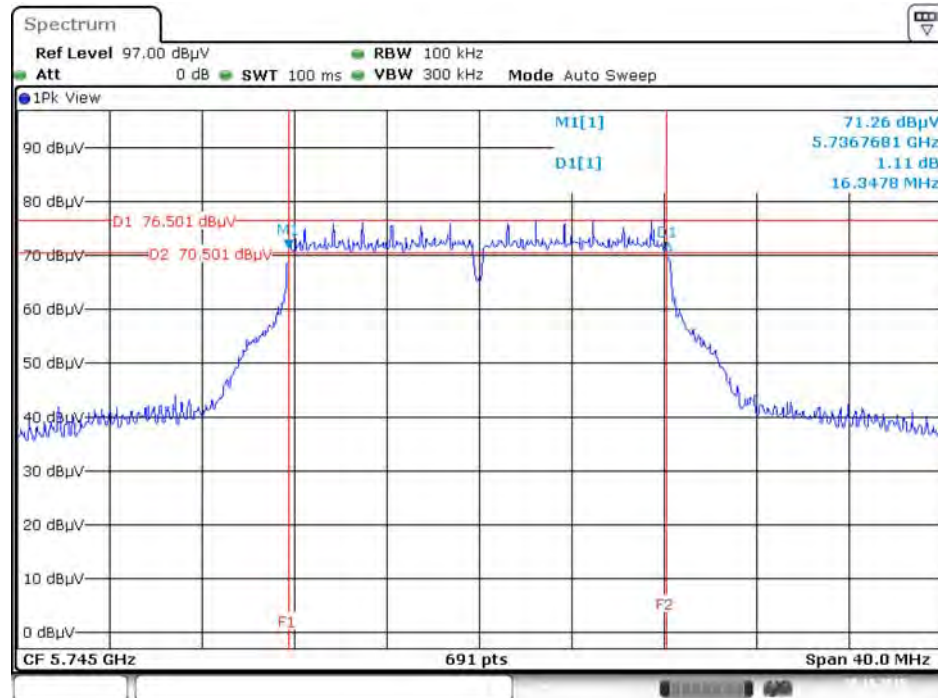


Date: 20.OCT.2015 11:45:08

For indoor / outdoor use

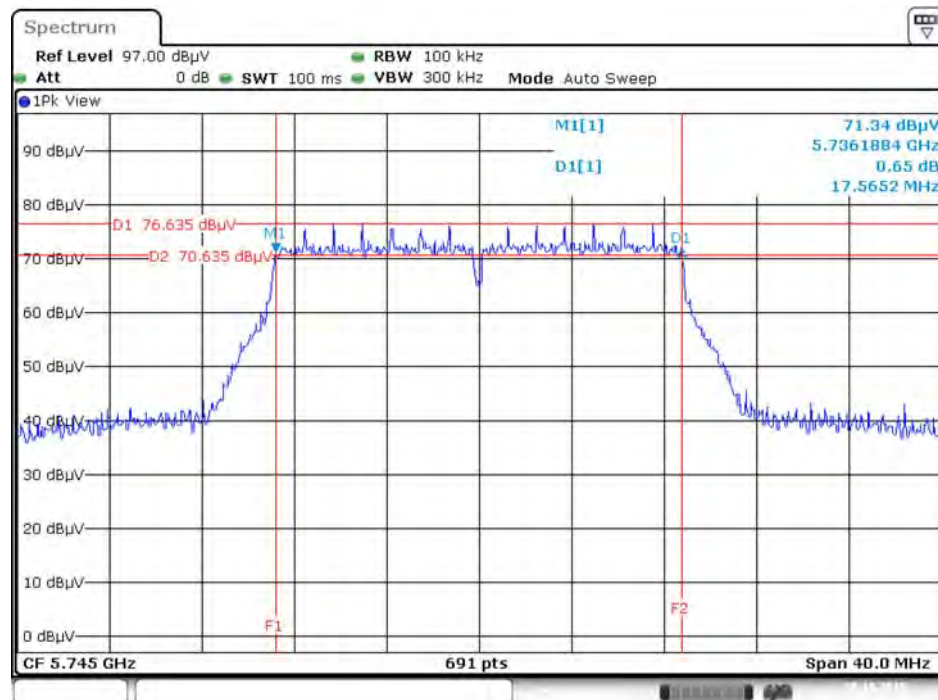
Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 / 5745 MHz



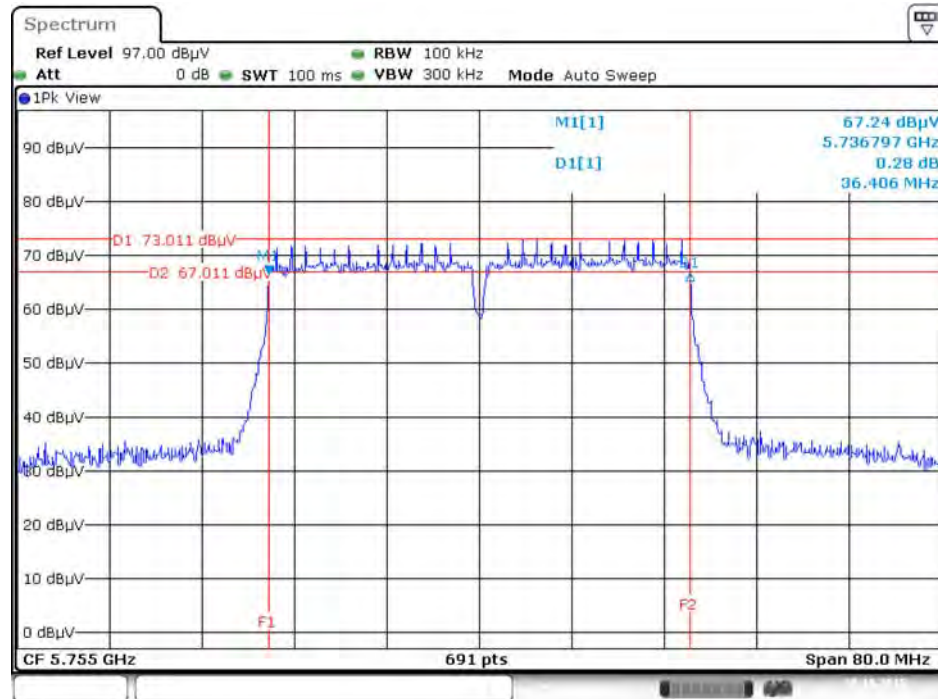
Date: 20.OCT.2015 22:13:11

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5745 MHz



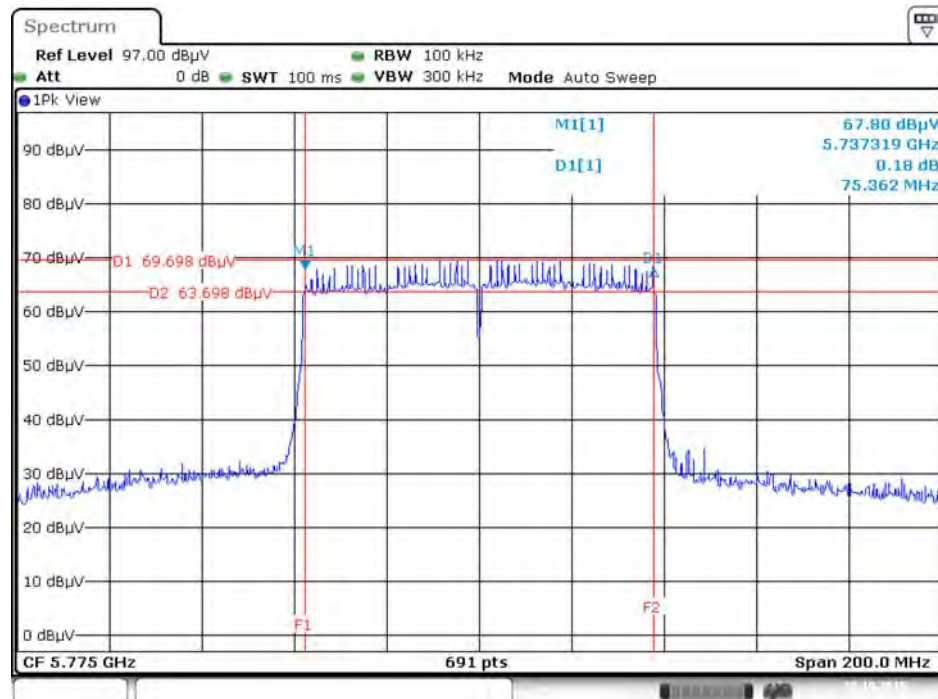
Date: 20.OCT.2015 22:14:15

### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5755MHz



Date: 20.OCT.2015 22:19:04

### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5775 MHz

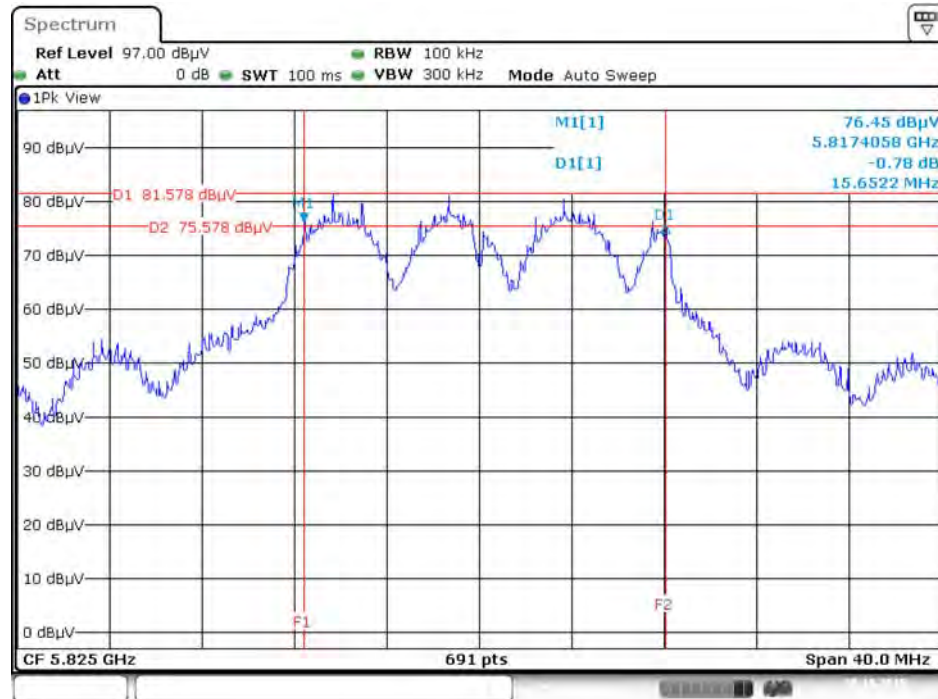


Date: 20.OCT.2015 22:20:27



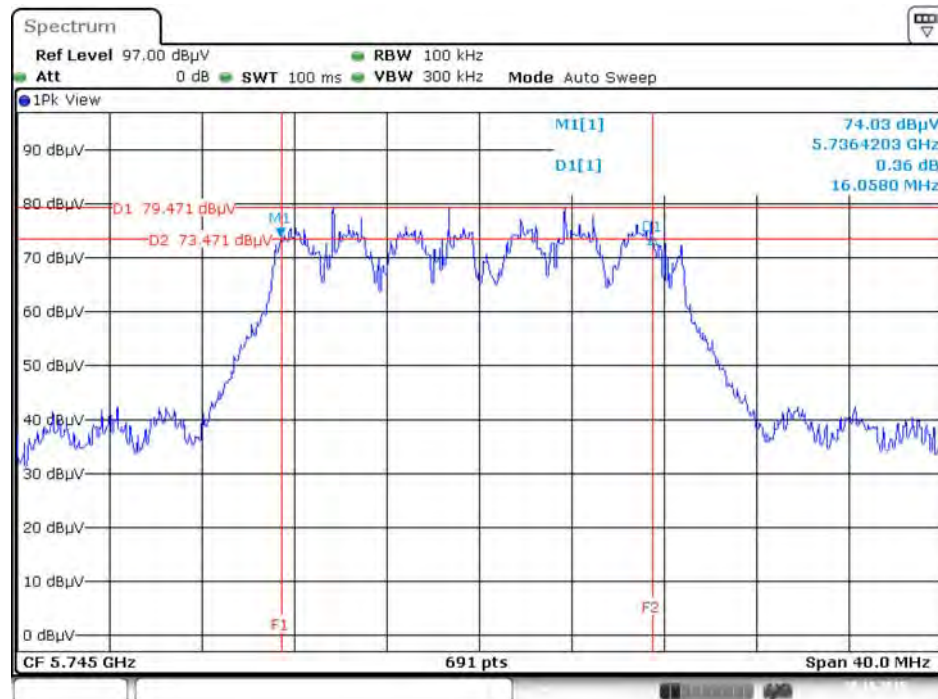
Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 / 5825 MHz



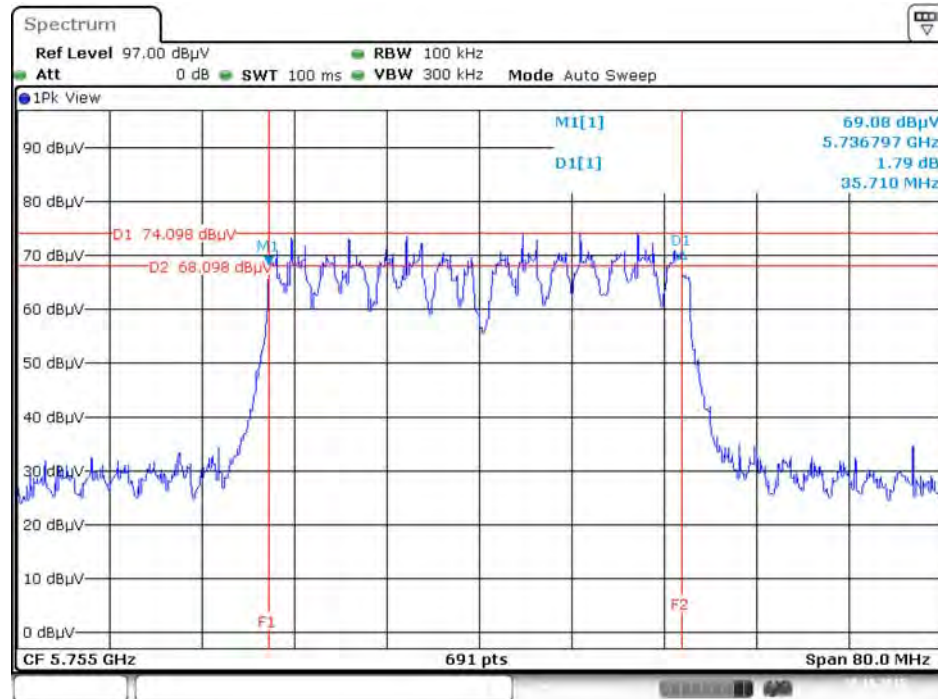
Date: 20.OCT.2015 22:26:49

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5745 MHz



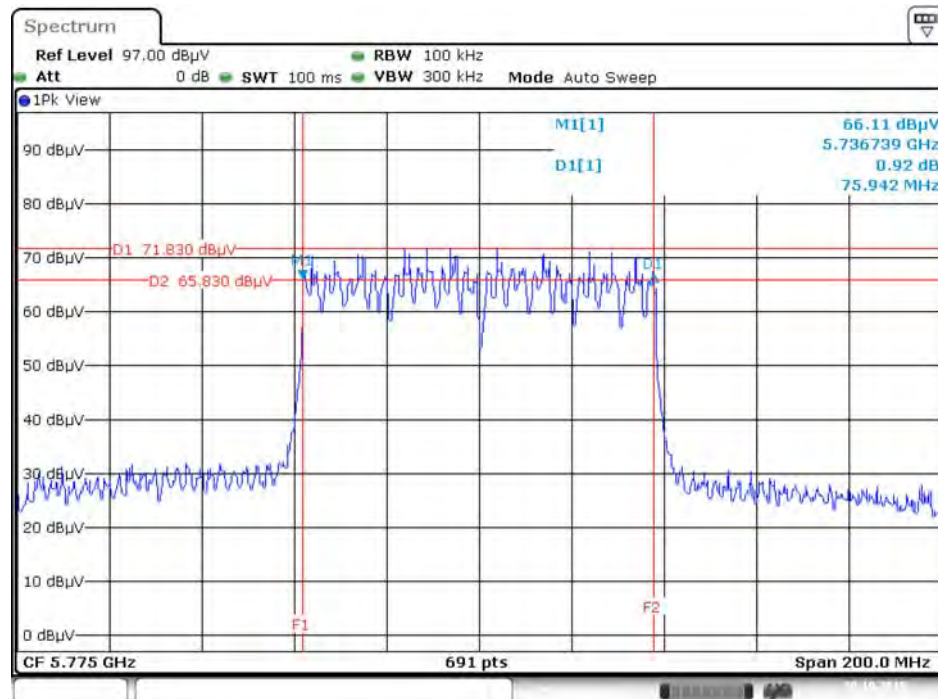
Date: 20.OCT.2015 22:29:49

### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5755MHz



Date: 20.OCT.2015 22:34:32

### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5775 MHz

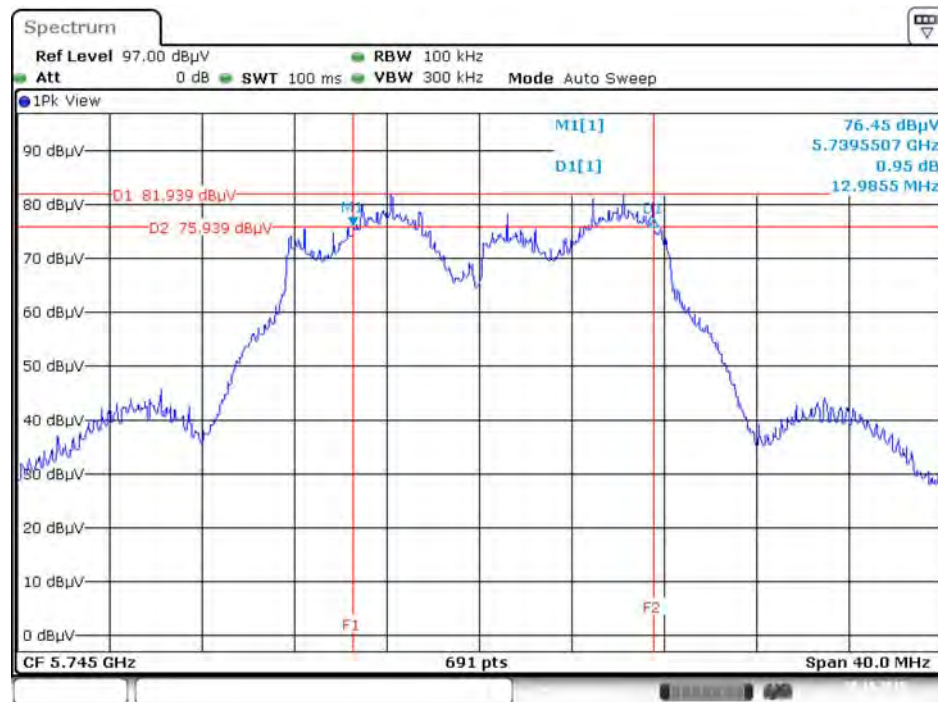


Date: 20.OCT.2015 22:39:24



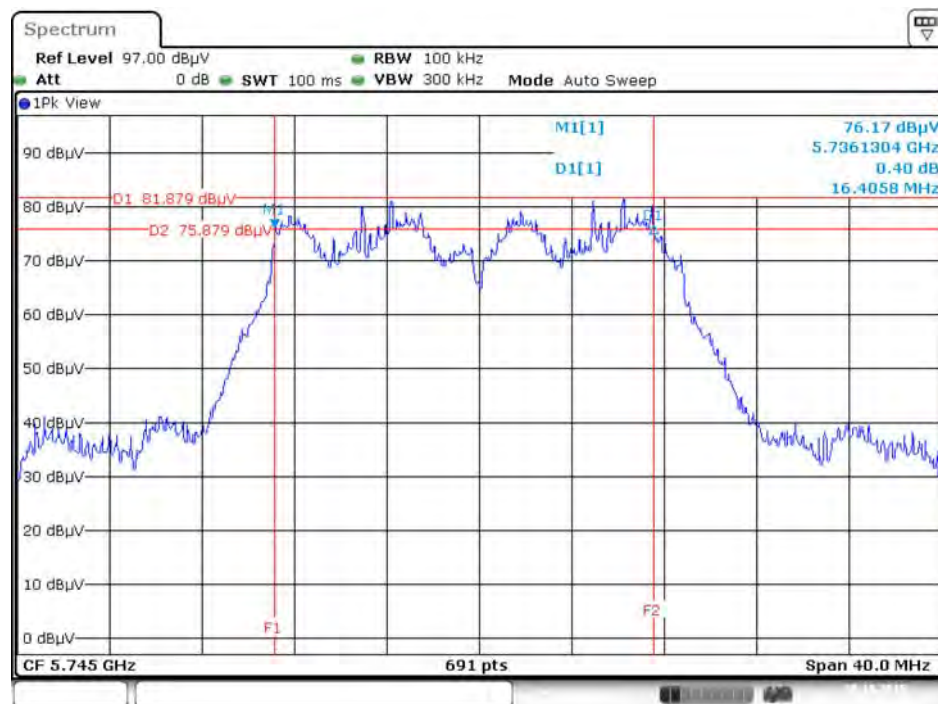
Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5745 MHz



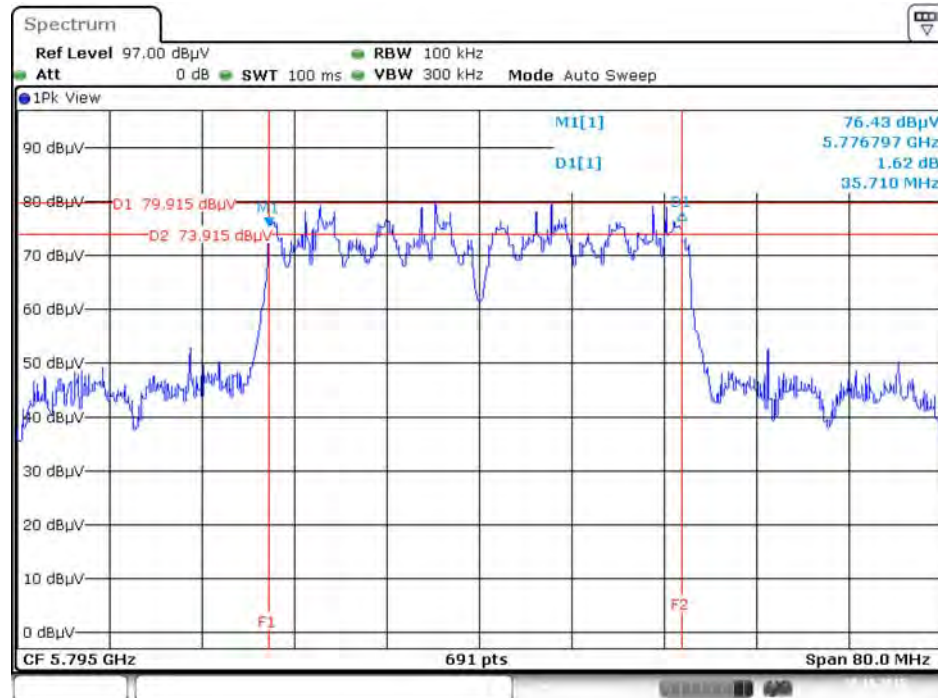
Date: 20.OCT.2015 22:41:03

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5745 MHz



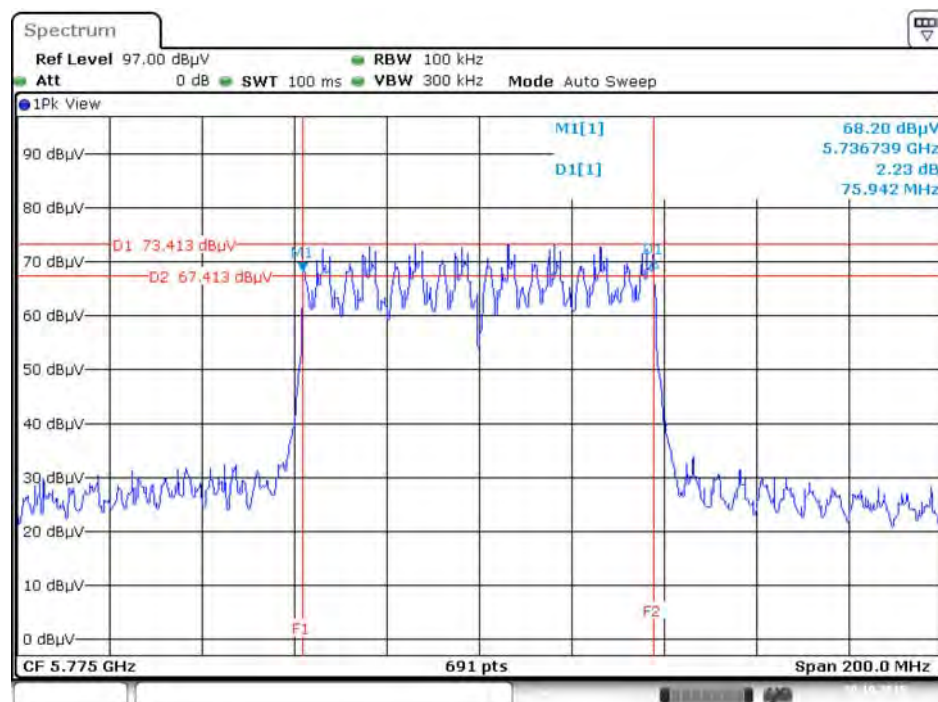
Date: 20.OCT.2015 22:43:50

### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5795 MHz



Date: 20.OCT.2015 22:44:54

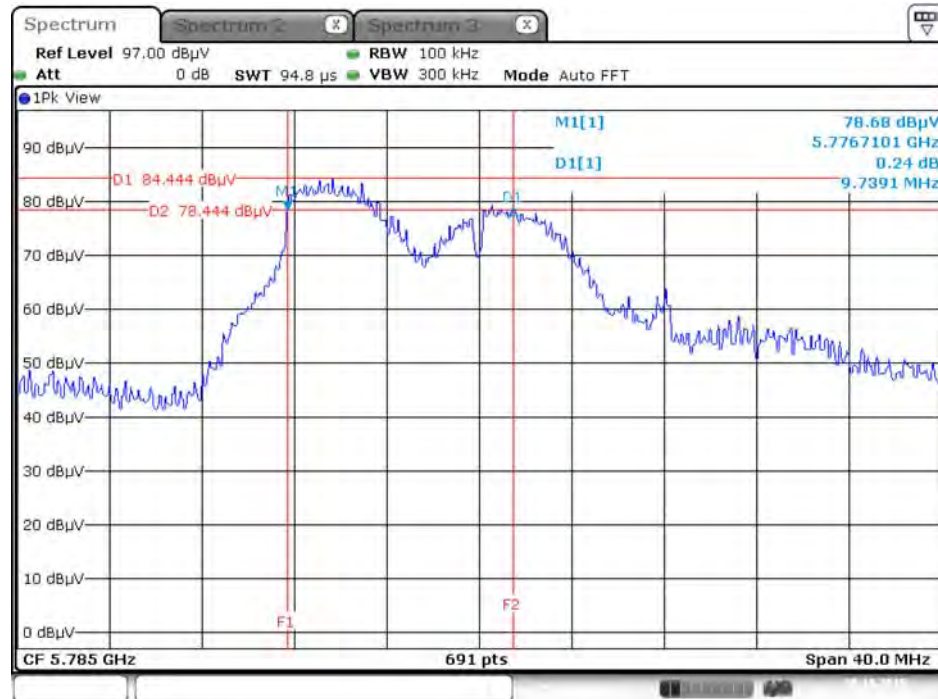
### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5775 MHz



Date: 20.OCT.2015 22:50:08

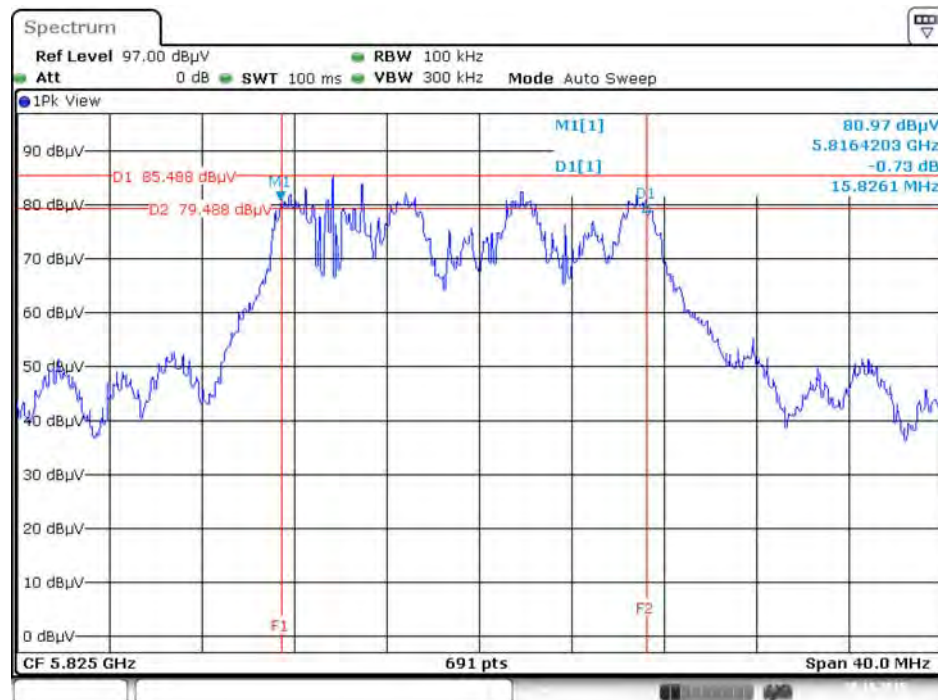
Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



Date: 20.OCT.2015 11:53:43

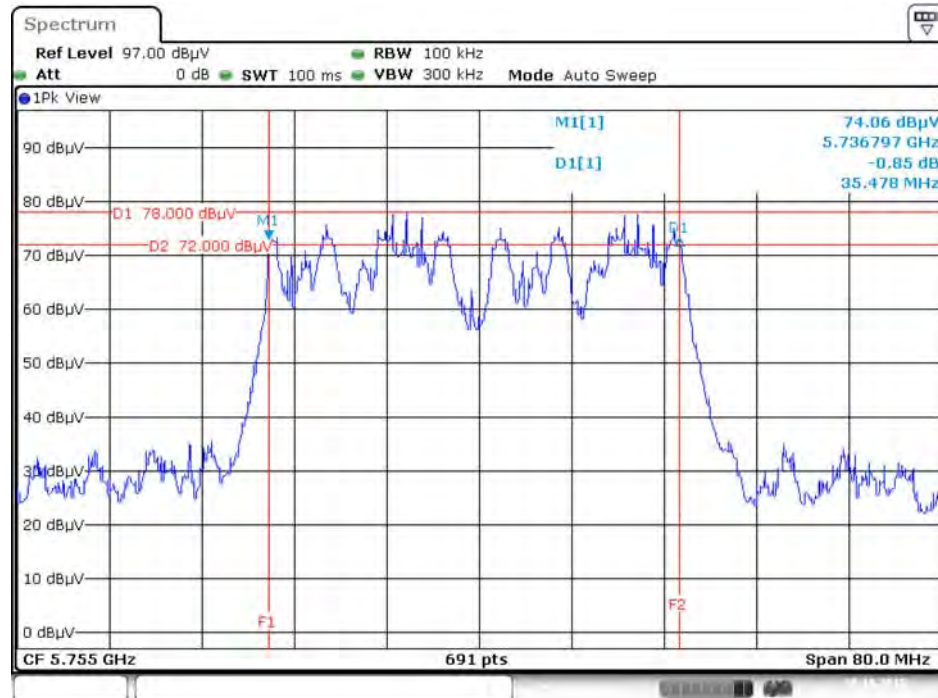
6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5825 MHz



Date: 20.OCT.2015 22:59:54

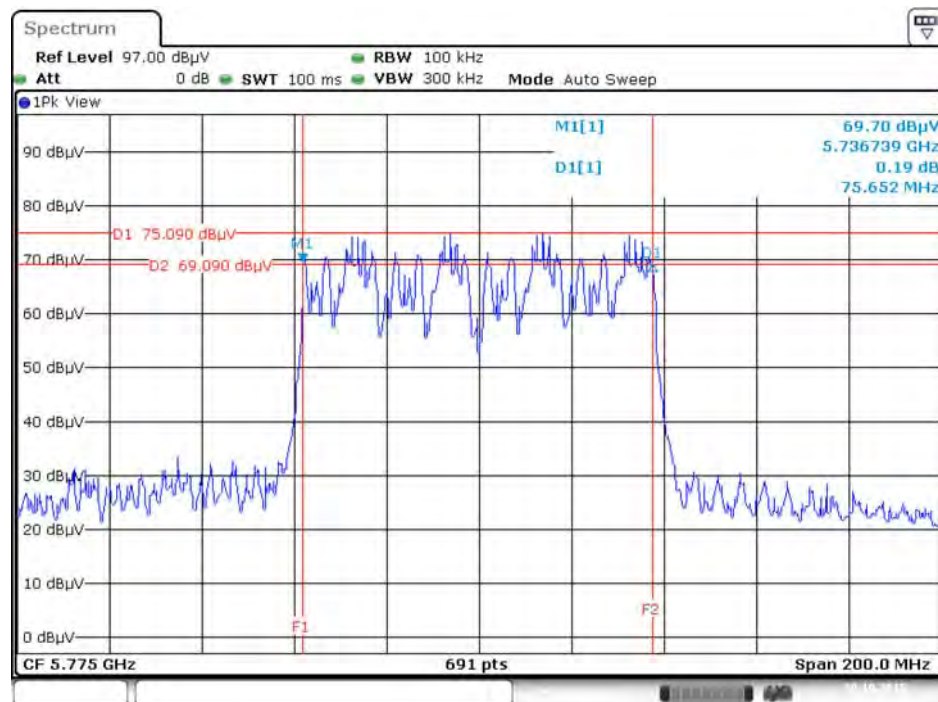


### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5755 MHz



Date: 20.OCT.2015 23:01:15

### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz

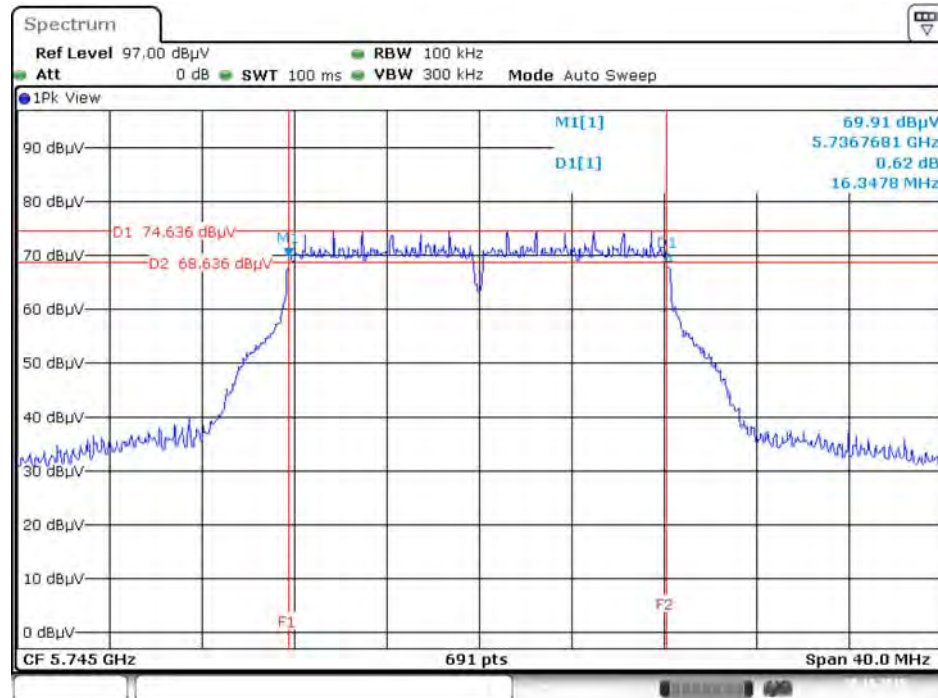


Date: 20.OCT.2015 23:06:26

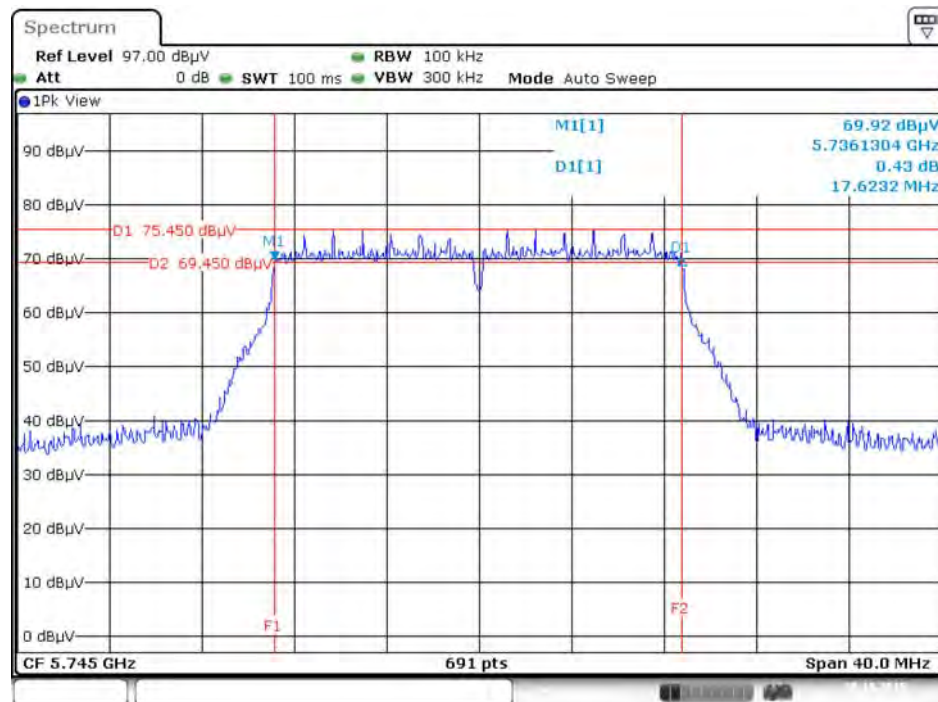
For indoor use

Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 / 5745 MHz

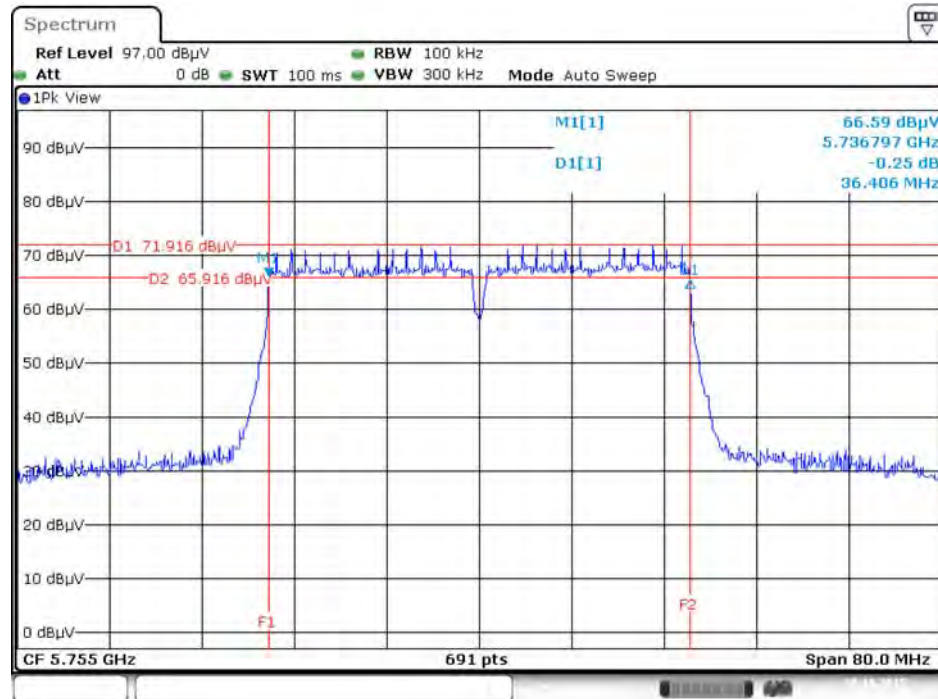


6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5745 MHz



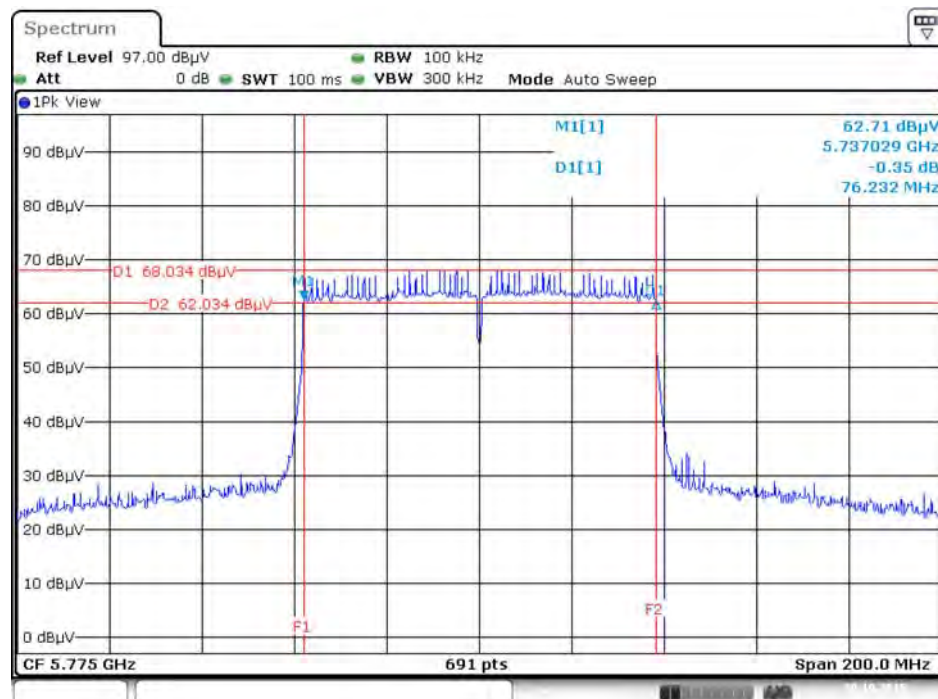


### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5755MHz



Date: 20.OCT.2015 19:44:05

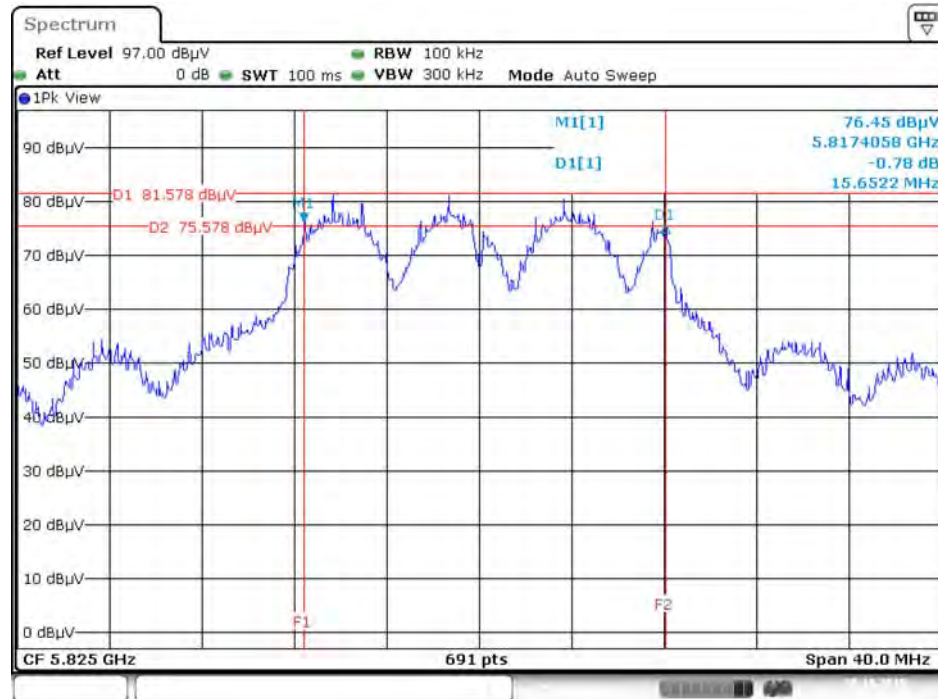
### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5775 MHz



Date: 20.OCT.2015 19:49:12

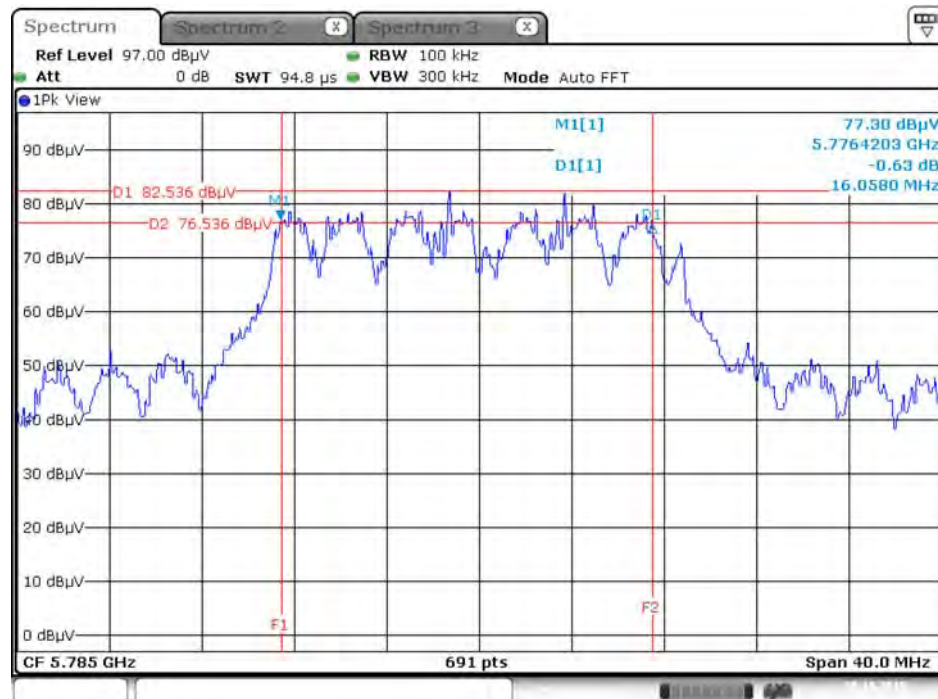
Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 / 5825 MHz



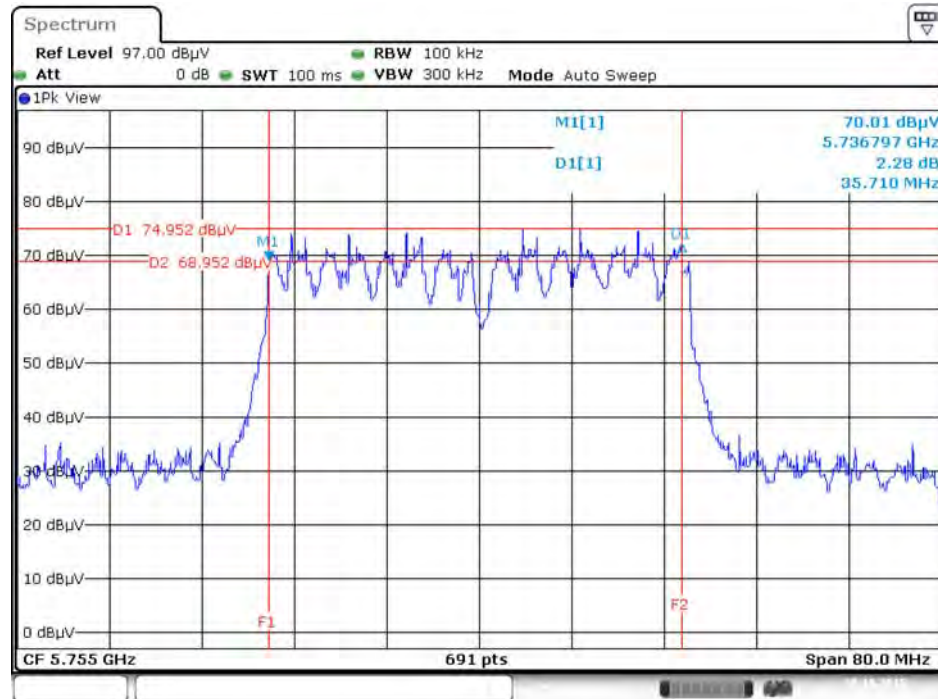
Date: 20.OCT.2015 22:26:49

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5785 MHz



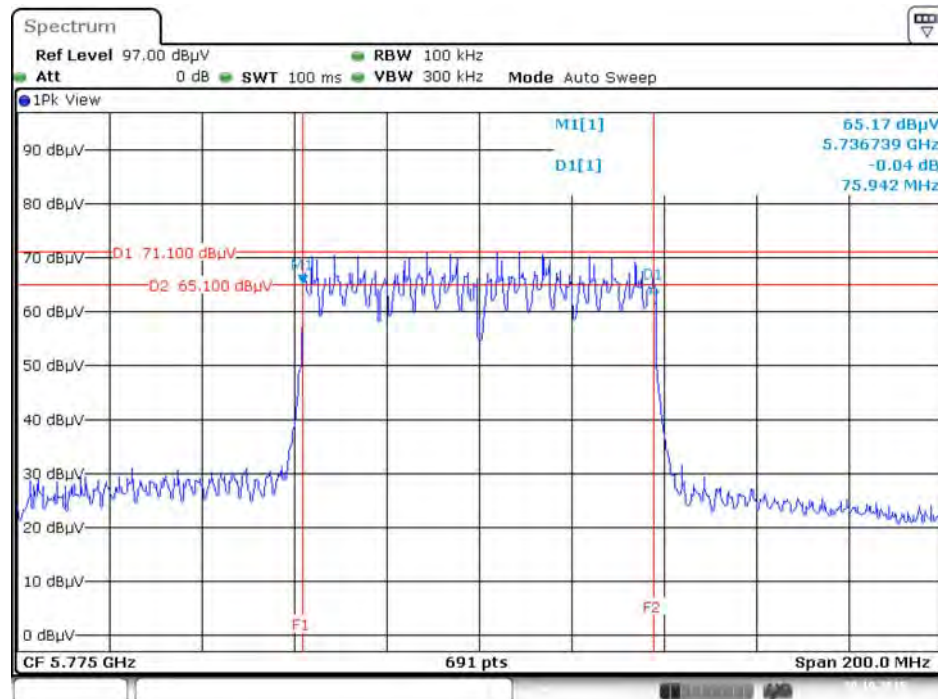
Date: 20.OCT.2015 11:12:52

### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5755 MHz



Date: 20.OCT.2015 19:59:15

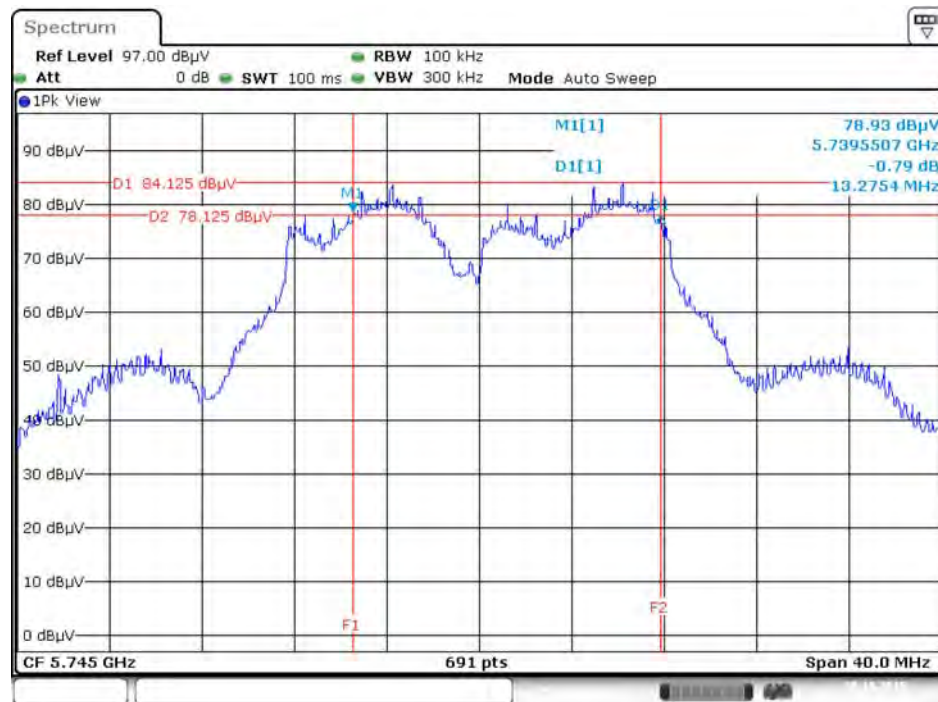
### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5775 MHz



Date: 20.OCT.2015 20:03:48

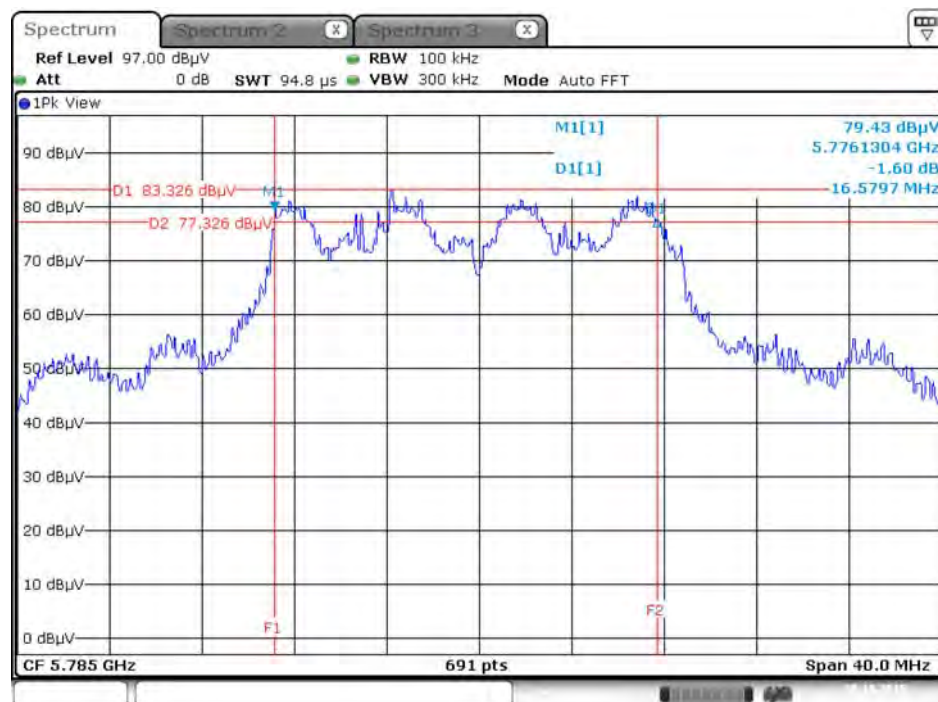
### Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)

### 6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5745 MHz



Date: 20.OCT.2015 20:12:08

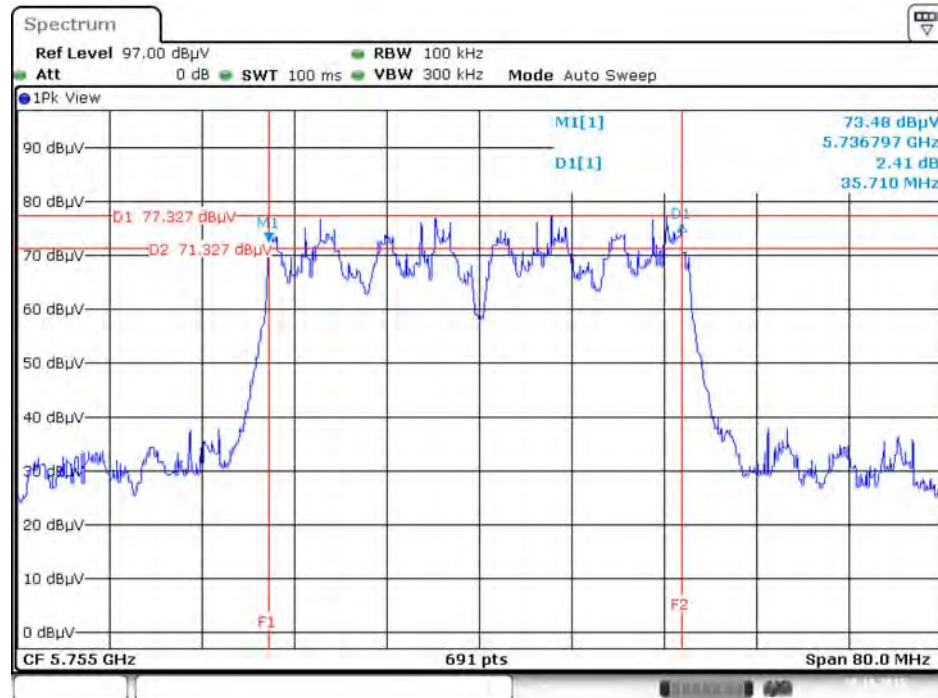
### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5785 MHz



Date: 20.OCT.2015 11:30:20

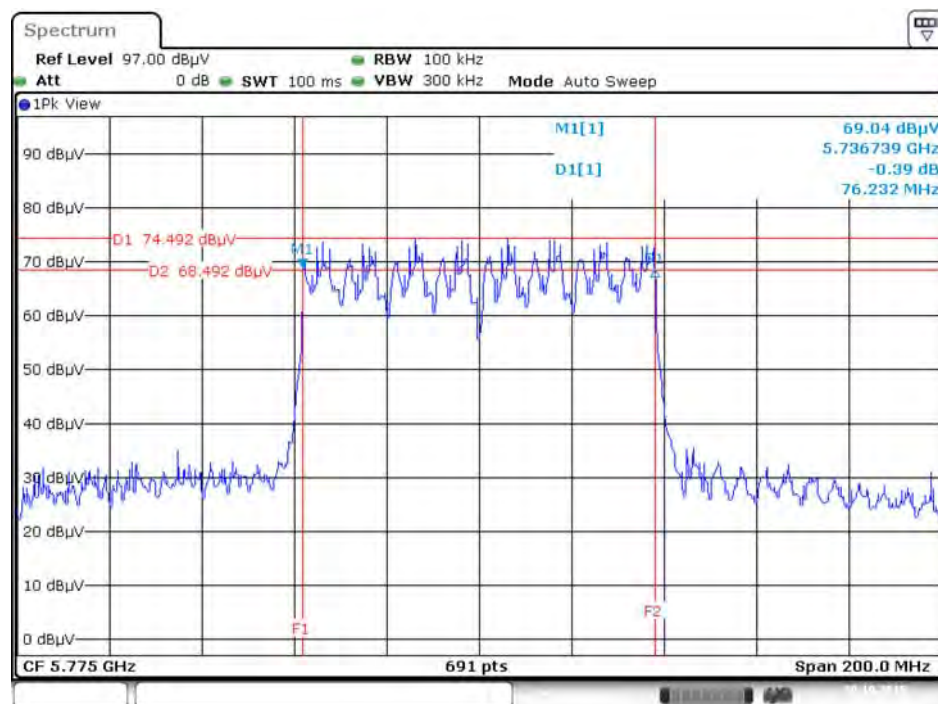


### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5755 MHz



Date: 20.OCT.2015 20:20:13

### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5775 MHz

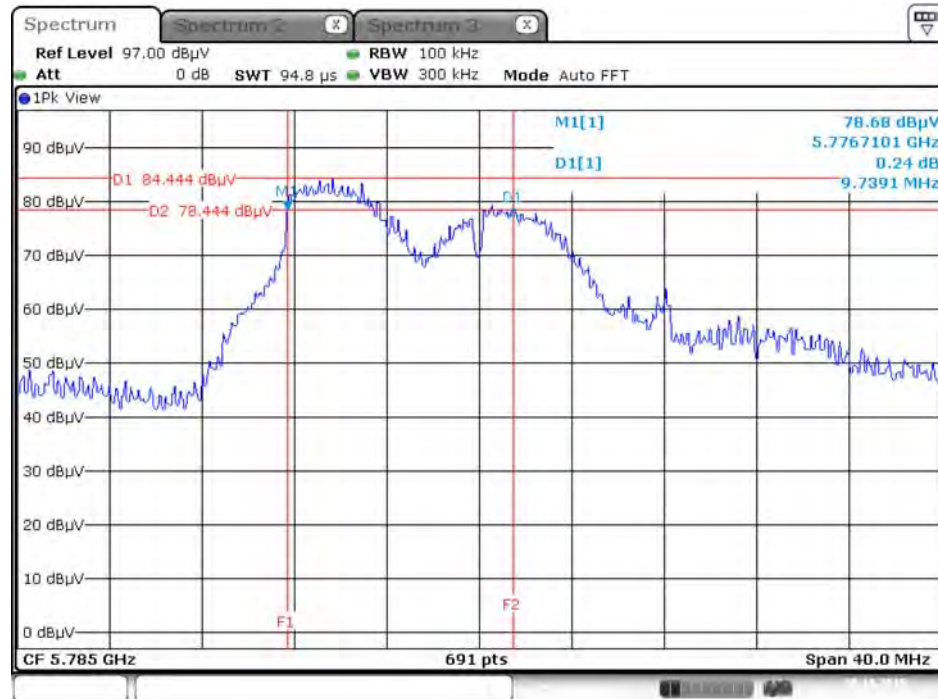


Date: 20.OCT.2015 20:57:16

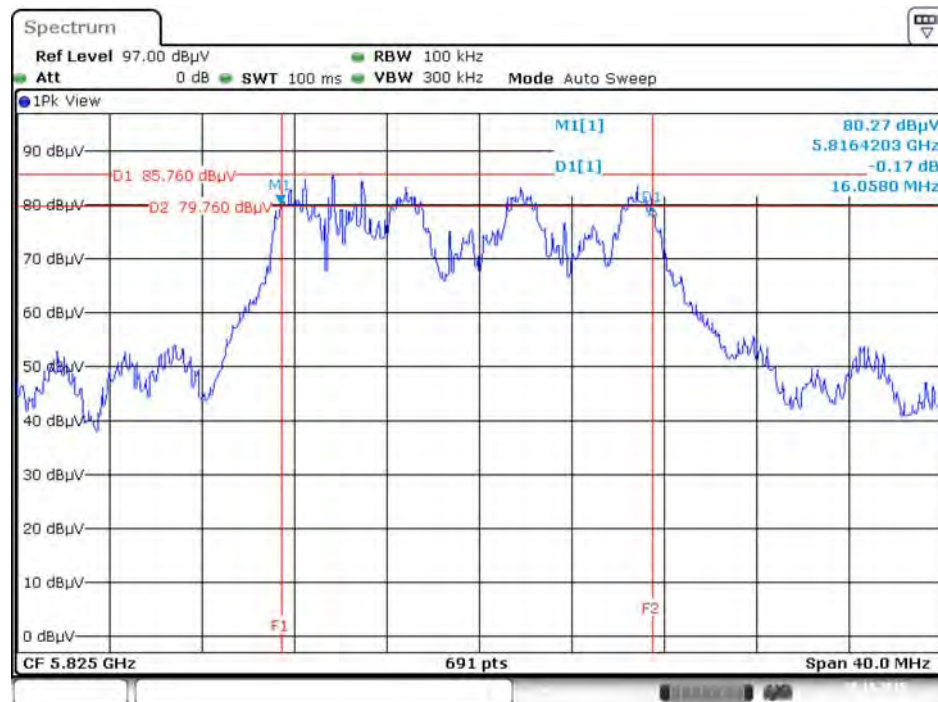


Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)

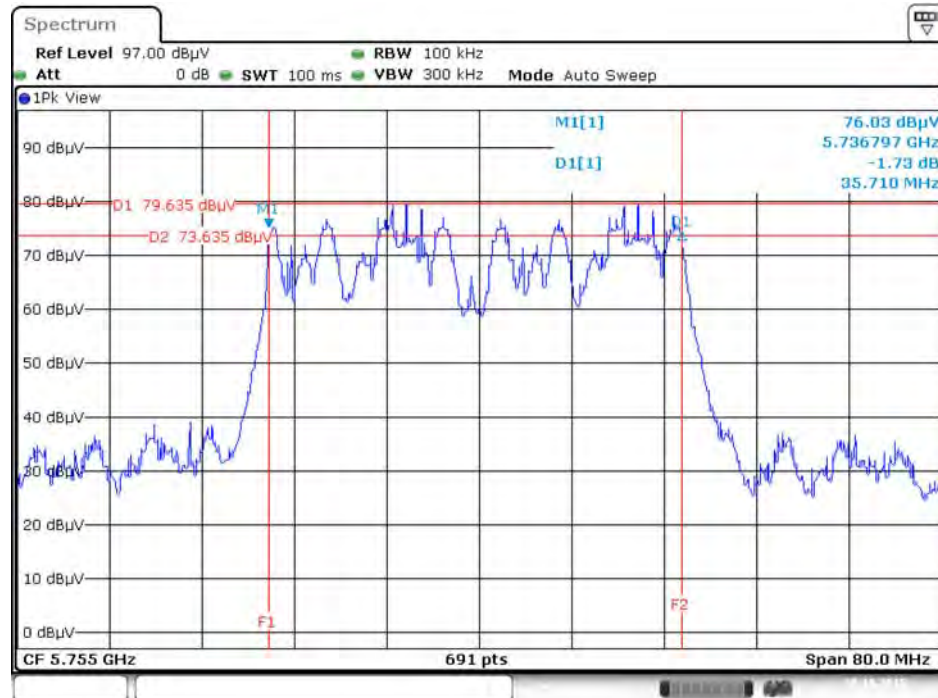
6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5825 MHz

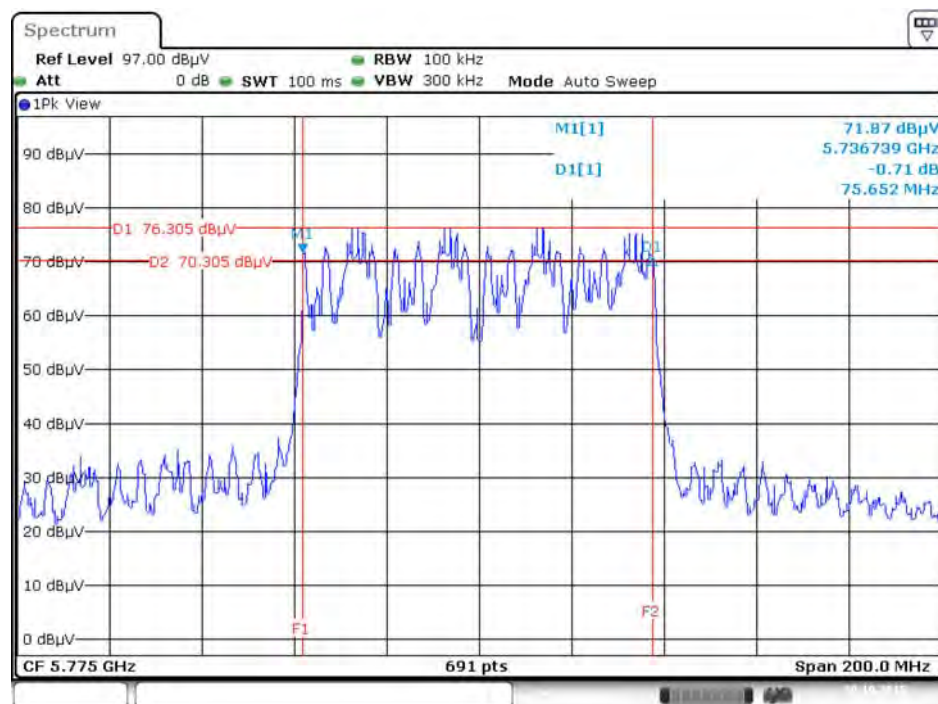


### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5755 MHz



Date: 20.OCT.2015 21:07:10

### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz

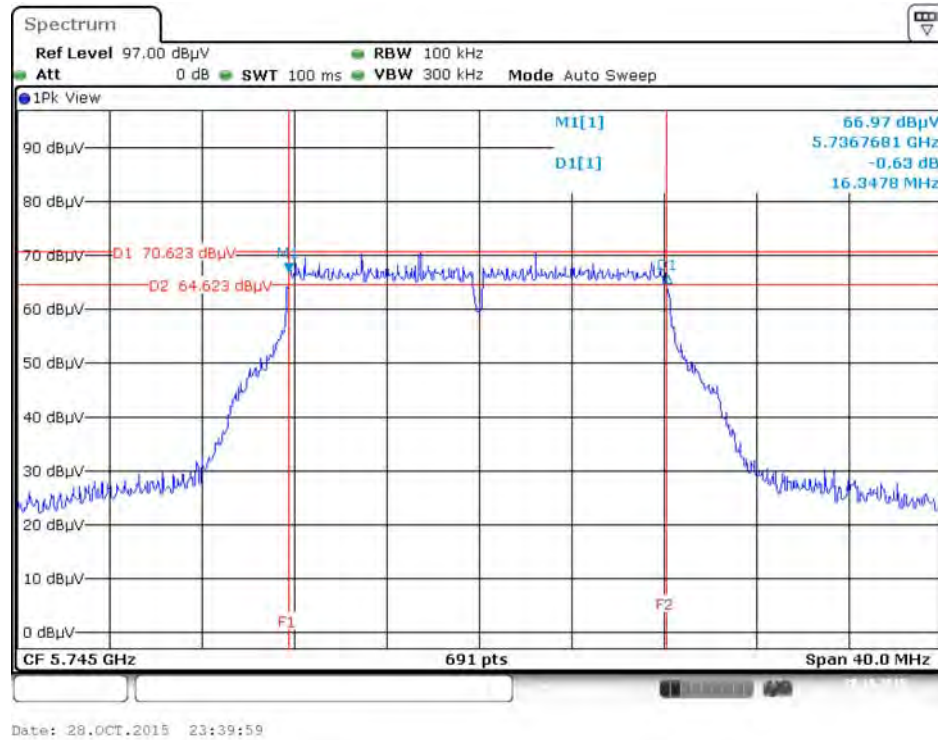


Date: 20.OCT.2015 21:14:07

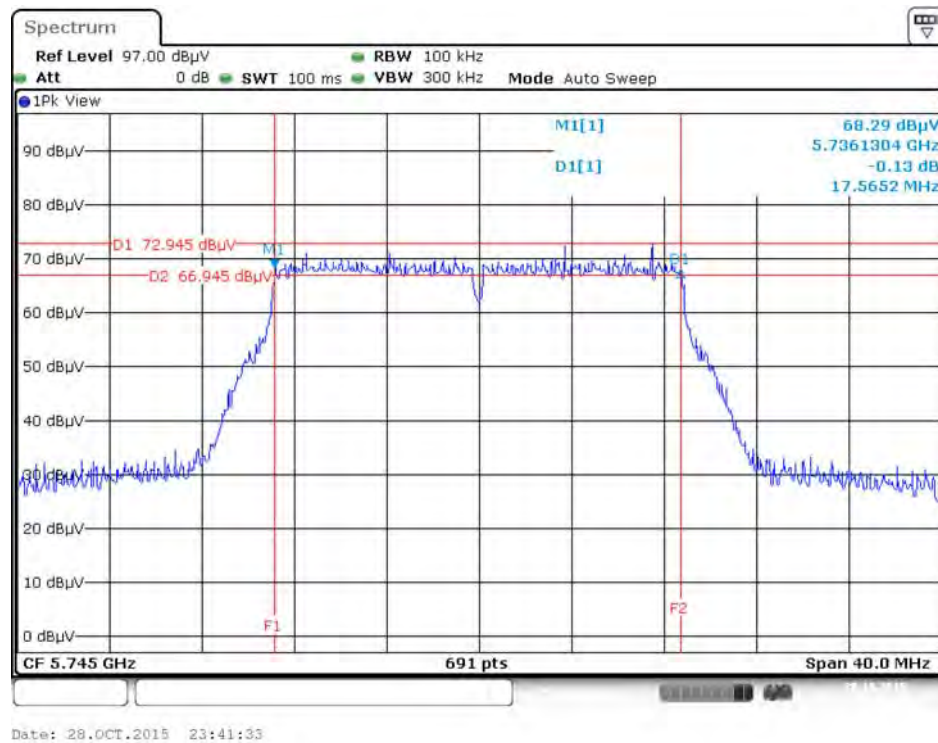
For indoor / outdoor use

Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 / 5745 MHz

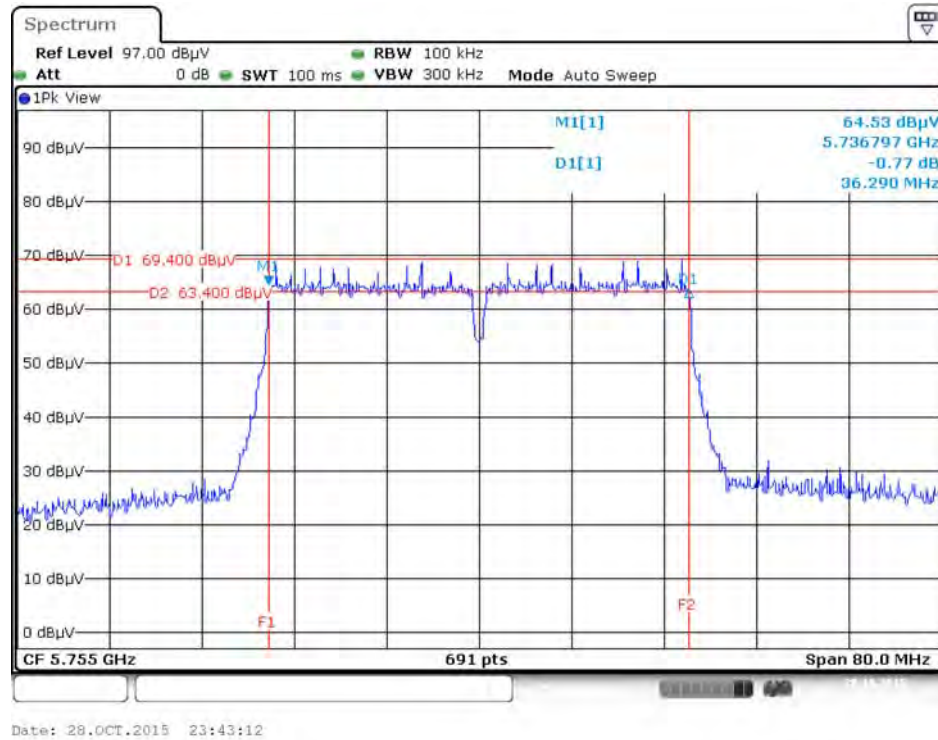


6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5745 MHz

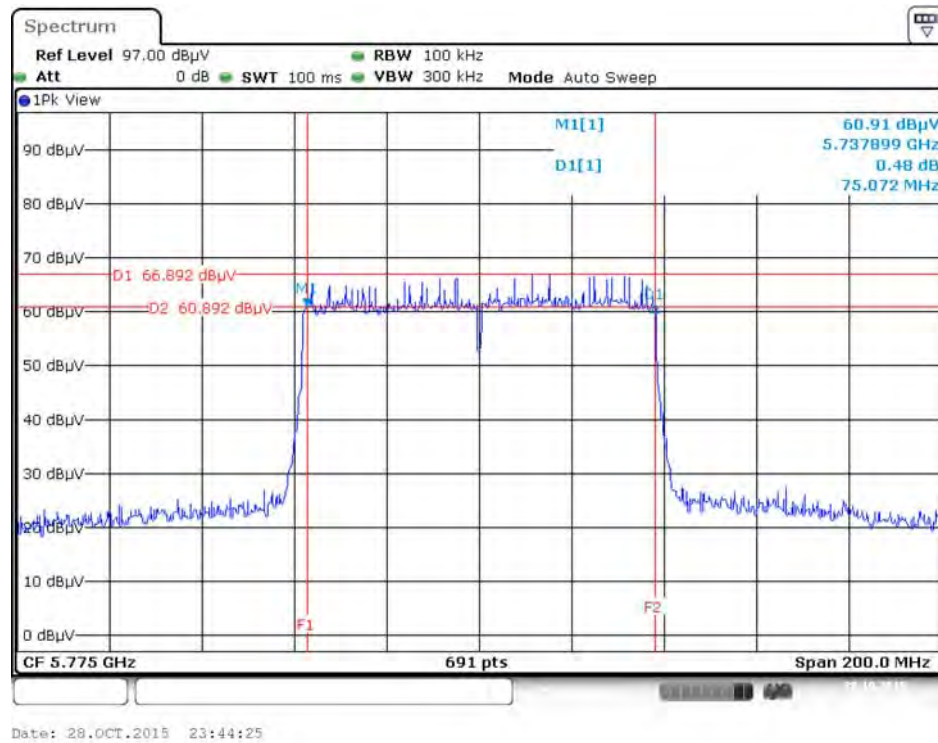




### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5755MHz

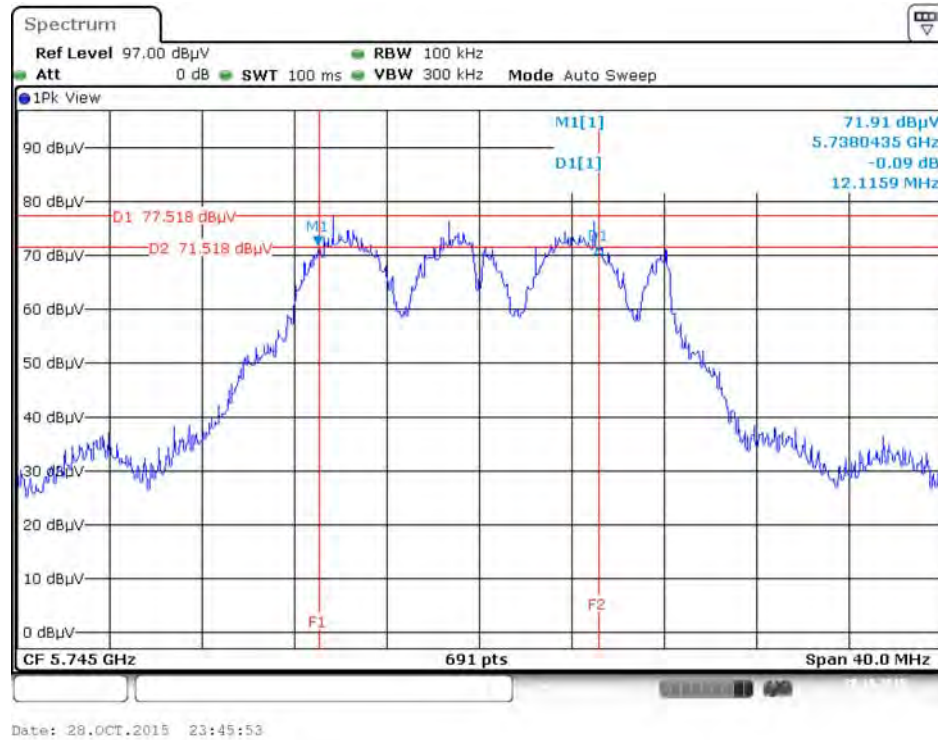


### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5775 MHz

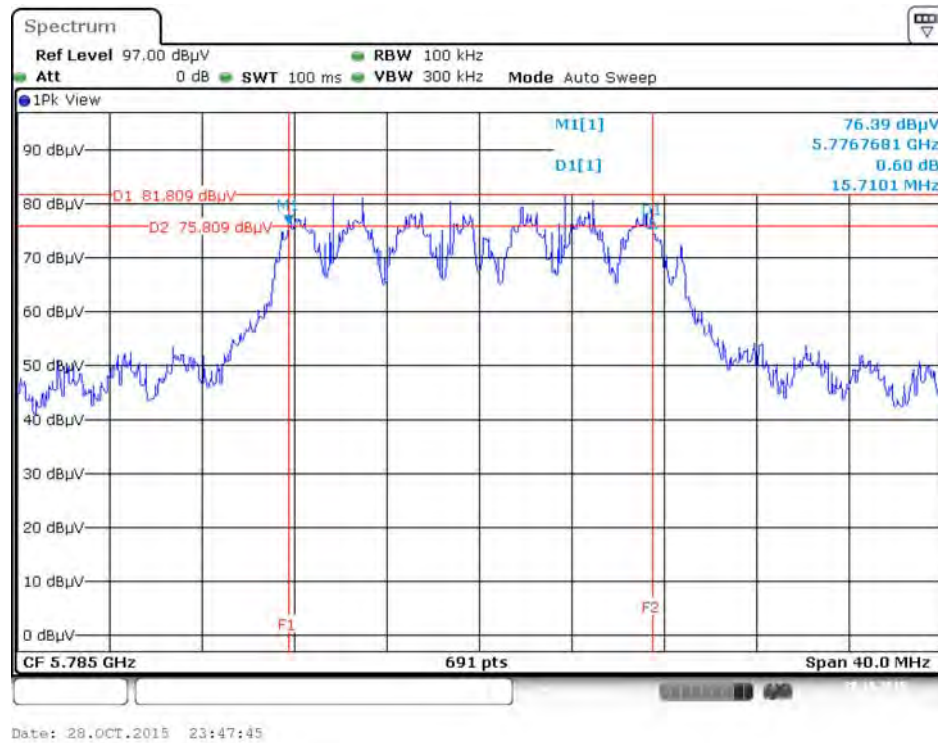


Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 / 5745 MHz

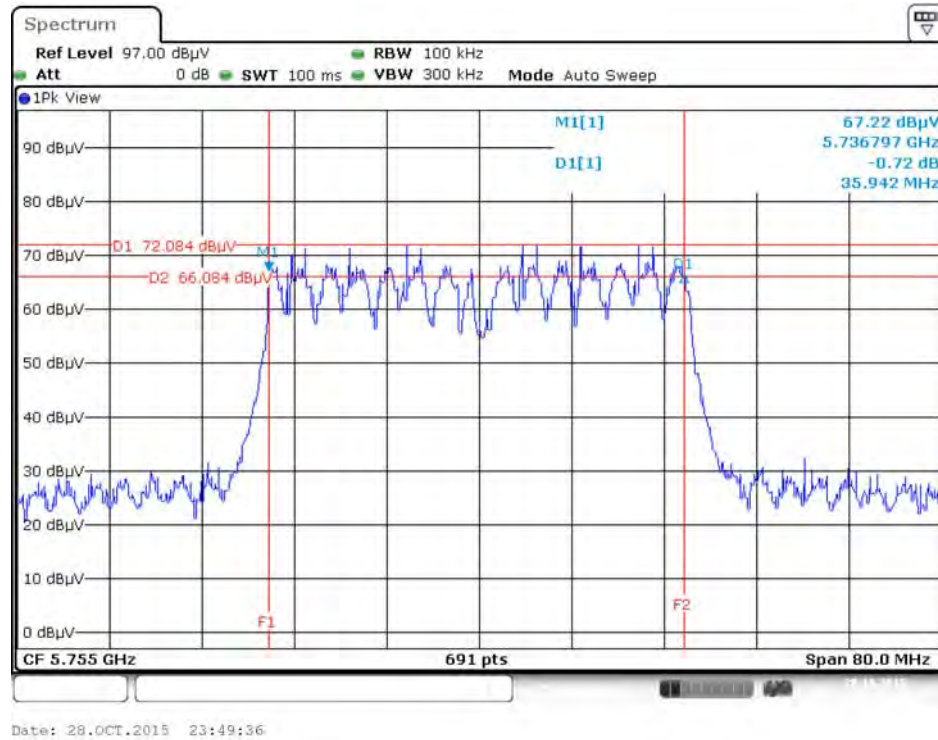


6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5785 MHz

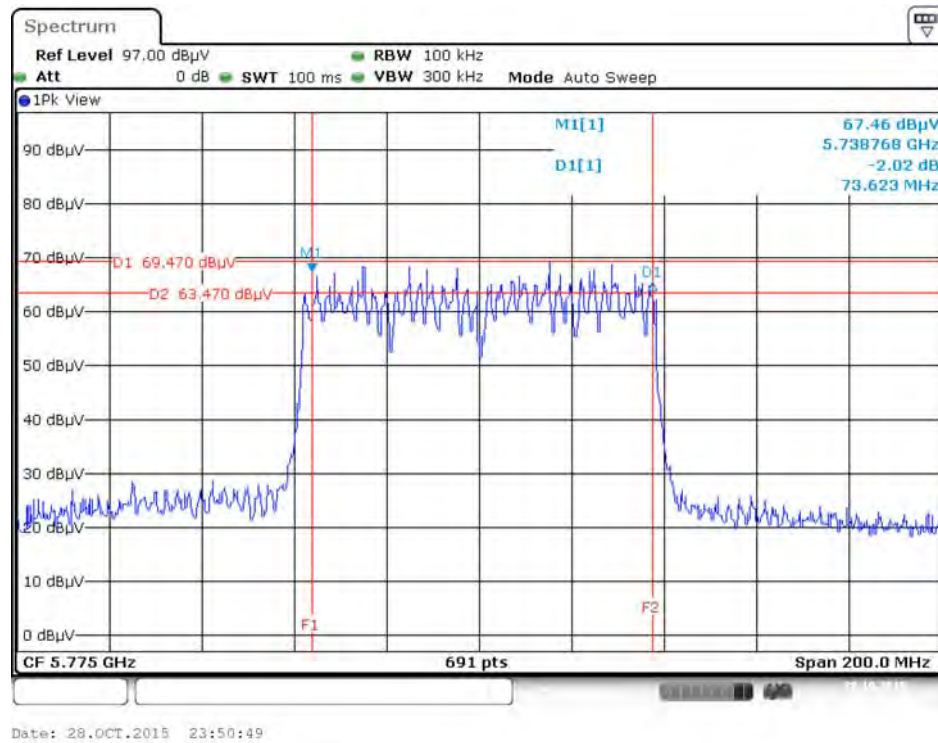




### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5755 MHz

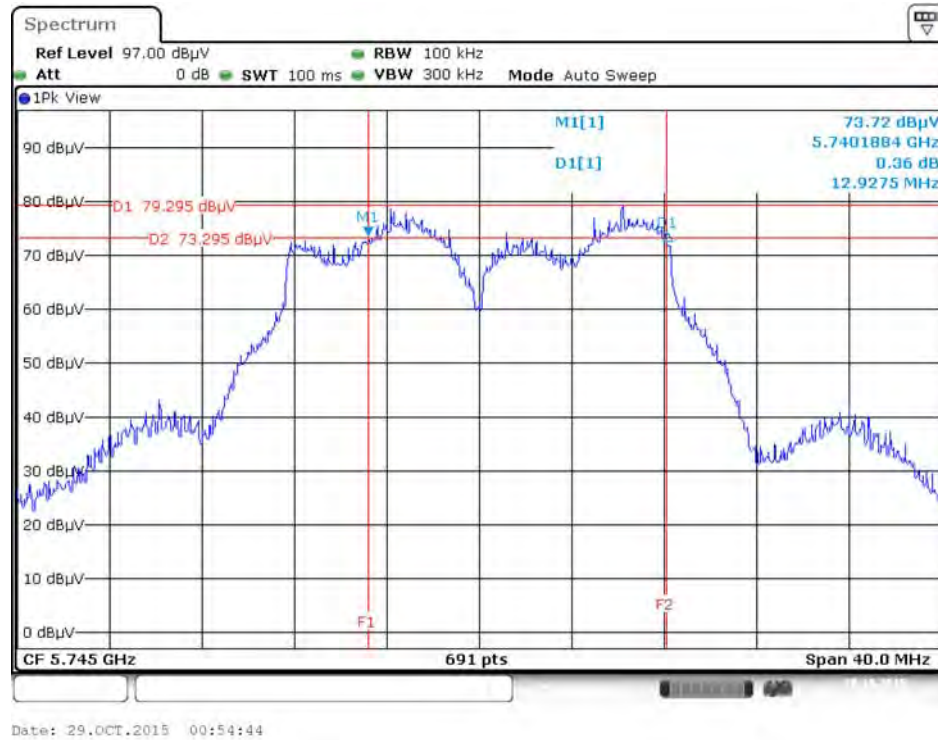


### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5775 MHz

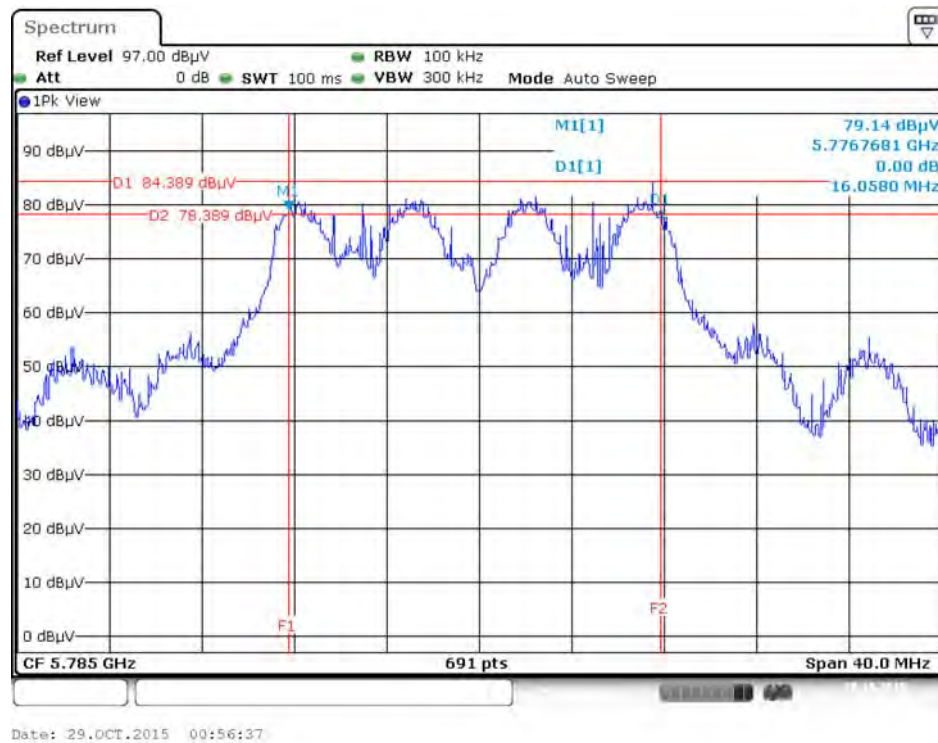


Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)

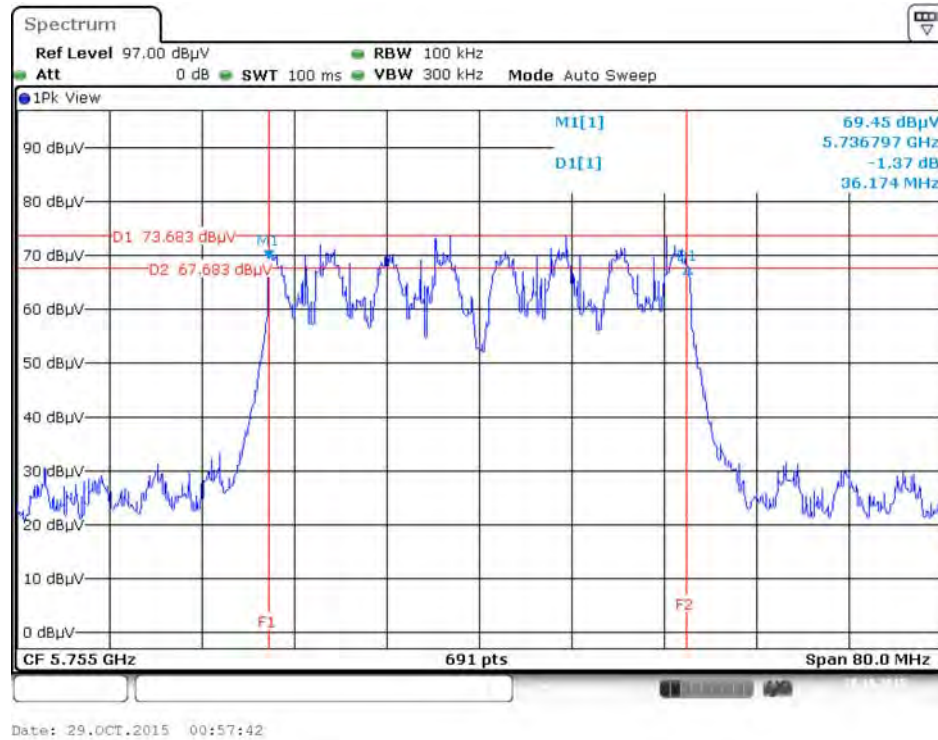
6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5745 MHz



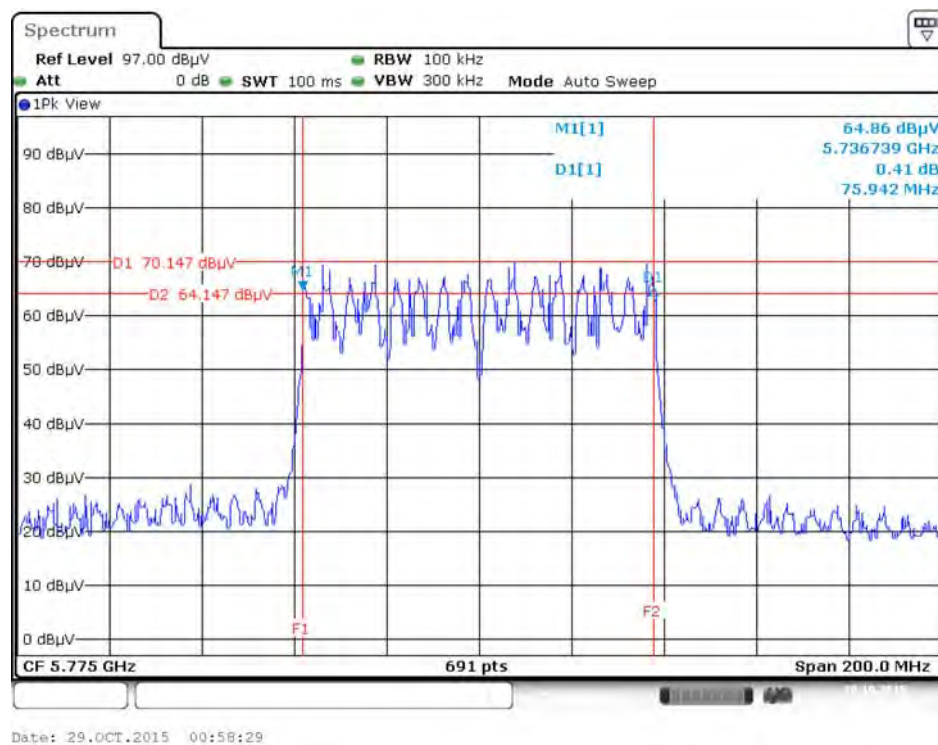
6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5785 MHz



### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5755 MHz



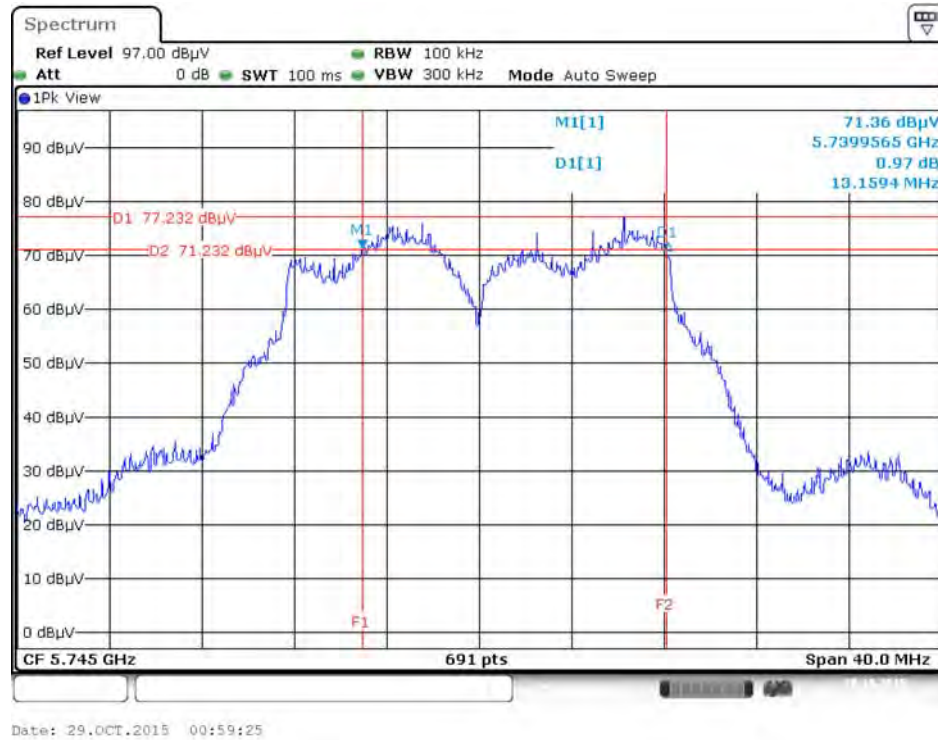
### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5775 MHz



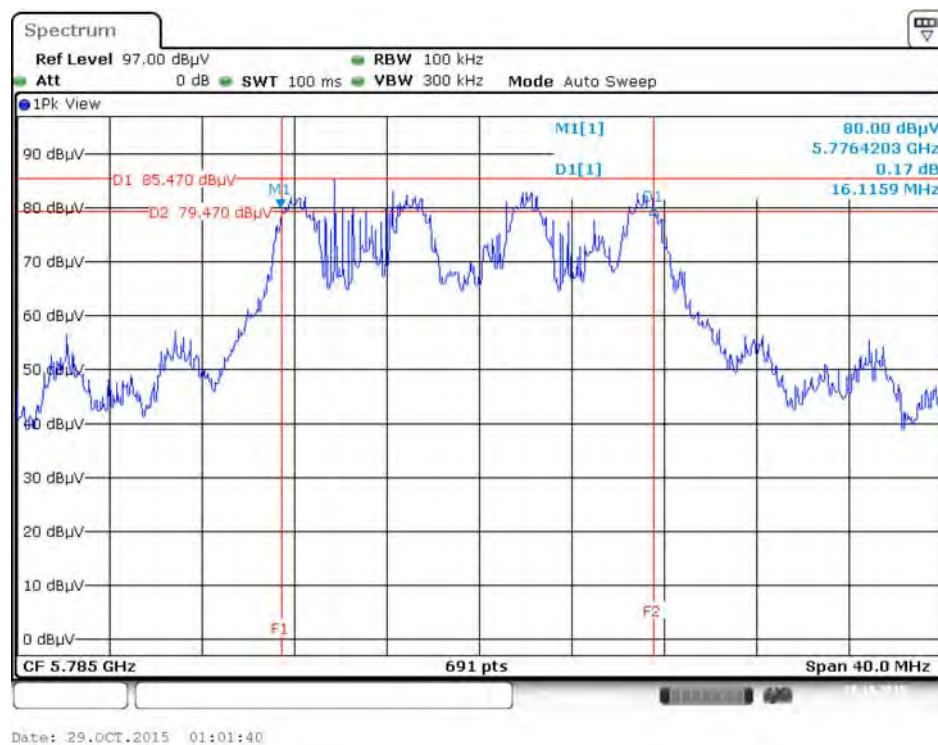


Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)

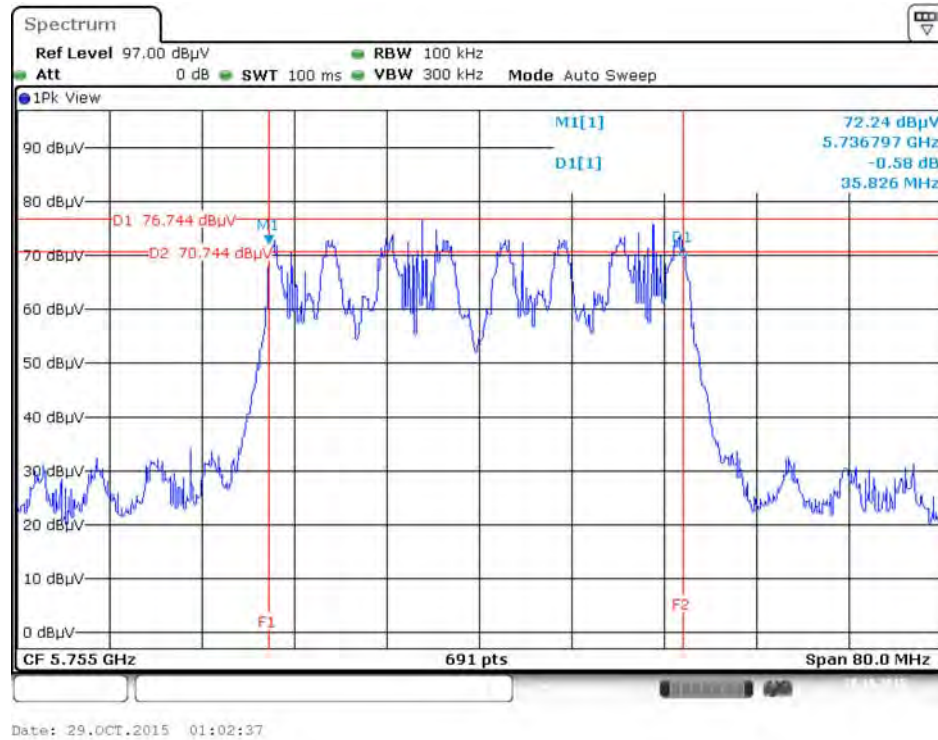
6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5745 MHz



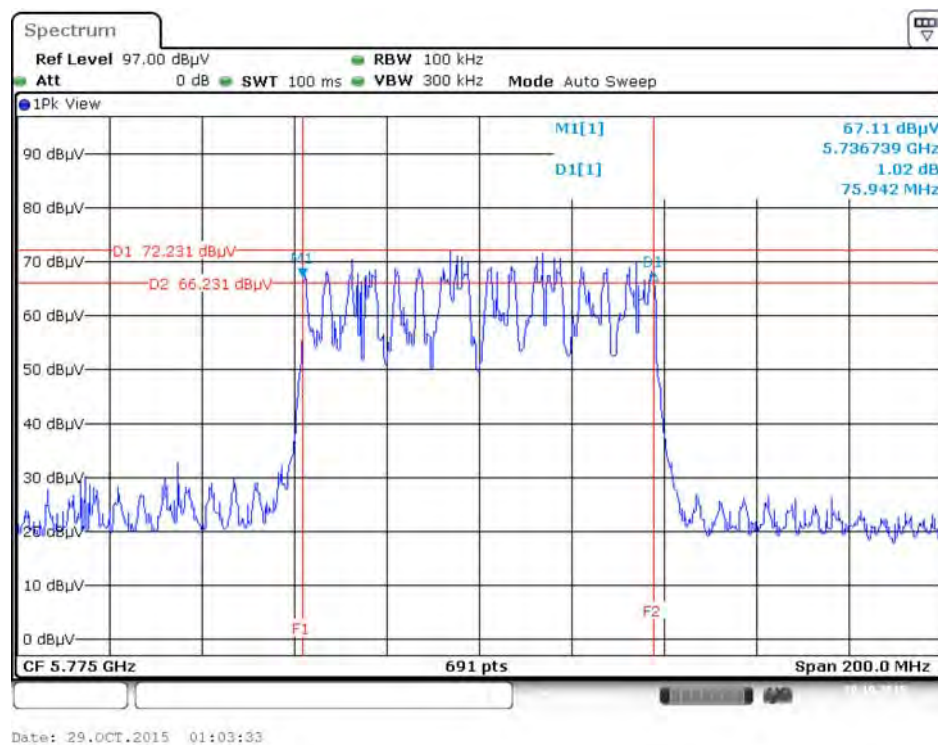
6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5755 MHz



### 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz





#### 4.4. Maximum Conducted Output Power Measurement

##### 4.4.1. Limit

| Frequency Band                      |                                                             | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | 5.15~5.25 GHz                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                     | Operating Mode                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                     | <input checked="" type="checkbox"/> Outdoor access point    | The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm) provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).                      |
|                                     | <input checked="" type="checkbox"/> Indoor access point     | The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm) provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.                                                                                                                                                 |
|                                     | <input type="checkbox"/> Fixed point-to-point access points | The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm). Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. |
|                                     | <input type="checkbox"/> Mobile and portable client devices | The maximum conducted output power over the frequency band of operation shall not exceed 250 mW (24dBm) provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.                                                                                                                                              |

|                                     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | 5.725~5.85 GHz | The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm). If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. |
|-------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### 4.4.2. Measuring Instruments and Setting

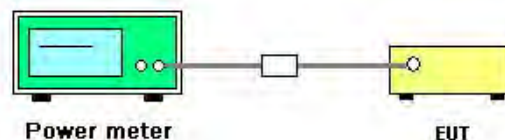
Please refer to section 5 of equipments list in this report. The following table is the setting of the power meter.

| Power Meter Parameter | Setting |
|-----------------------|---------|
| Detector              | AVERAGE |

#### 4.4.3. Test Procedures

1. The transmitter output (antenna port) was connected to the power meter.
2. Test was performed in accordance with KDB789033 D02 v02r01 for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - section (E) Maximum conducted output power =>3. Measurement using a Power Meter (PM) =>b) Method PM-G (Measurement using a gated RF average power meter).
3. Multiple antenna systems was performed in accordance with KDB662911 D01 v02r01 Emissions Testing of Transmitters with Multiple Outputs in the Same Band.
4. When measuring maximum conducted output power with multiple antenna systems, add every result of the values by mathematic formula.

#### 4.4.4. Test Setup Layout



#### 4.4.5. Test Deviation

There is no deviation with the original standard.

#### 4.4.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

#### 4.4.7. Test Result of Maximum Conducted Output Power

##### For Non-Beamforming Mode

|               |                                               |           |                               |
|---------------|-----------------------------------------------|-----------|-------------------------------|
| Temperature   | 25°C                                          | Humidity  | 46%                           |
| Test Engineer | Eddie Weng                                    | Test Date | Oct. 14, 2015 ~ Oct. 21, 2015 |
| Test Mode     | Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX) |           |                               |

##### For B1 indoor use / B4 indoor, outdoor use

| Mode                           | Frequency | Conducted Power (dBm) | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|------------------|----------|
|                                |           | Chain 1               |                  |          |
| 802.11a                        | 5180 MHz  | 20.81                 | 30.00            | Complies |
|                                | 5200 MHz  | 20.91                 | 30.00            | Complies |
|                                | 5240 MHz  | 20.96                 | 30.00            | Complies |
|                                | 5745 MHz  | 20.59                 | 30.00            | Complies |
|                                | 5785 MHz  | 20.95                 | 30.00            | Complies |
|                                | 5825 MHz  | 20.39                 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 20.95                 | 30.00            | Complies |
|                                | 5200 MHz  | 20.97                 | 30.00            | Complies |
|                                | 5240 MHz  | 20.94                 | 30.00            | Complies |
|                                | 5745 MHz  | 20.32                 | 30.00            | Complies |
|                                | 5785 MHz  | 20.91                 | 30.00            | Complies |
|                                | 5825 MHz  | 20.70                 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 20.93                 | 30.00            | Complies |
|                                | 5230 MHz  | 20.99                 | 30.00            | Complies |
|                                | 5755 MHz  | 19.51                 | 30.00            | Complies |
|                                | 5795 MHz  | 20.94                 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 20.85                 | 30.00            | Complies |
|                                | 5775 MHz  | 18.47                 | 30.00            | Complies |

|               |                                               |           |                               |
|---------------|-----------------------------------------------|-----------|-------------------------------|
| Temperature   | 25°C                                          | Humidity  | 46%                           |
| Test Engineer | Eddie Weng                                    | Test Date | Oct. 14, 2015 ~ Oct. 21, 2015 |
| Test Mode     | Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX) |           |                               |

| Mode                           | Frequency | Conducted Power (dBm) |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Total |                  |          |
| 802.11a                        | 5180 MHz  | 19.87                 | 20.81   | 23.38 | 30.00            | Complies |
|                                | 5200 MHz  | 19.17                 | 20.78   | 23.06 | 30.00            | Complies |
|                                | 5240 MHz  | 19.44                 | 20.93   | 23.26 | 30.00            | Complies |
|                                | 5745 MHz  | 18.21                 | 18.39   | 21.31 | 30.00            | Complies |
|                                | 5785 MHz  | 20.88                 | 20.53   | 23.72 | 30.00            | Complies |
|                                | 5825 MHz  | 20.89                 | 20.60   | 23.76 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 19.56                 | 20.97   | 23.33 | 30.00            | Complies |
|                                | 5200 MHz  | 19.33                 | 20.86   | 23.17 | 30.00            | Complies |
|                                | 5240 MHz  | 19.34                 | 20.93   | 23.22 | 30.00            | Complies |
|                                | 5745 MHz  | 18.34                 | 18.07   | 21.22 | 30.00            | Complies |
|                                | 5785 MHz  | 20.69                 | 20.41   | 23.56 | 30.00            | Complies |
|                                | 5825 MHz  | 20.32                 | 19.92   | 23.13 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 19.92                 | 20.12   | 23.03 | 30.00            | Complies |
|                                | 5230 MHz  | 20.59                 | 20.82   | 23.72 | 30.00            | Complies |
|                                | 5755 MHz  | 14.86                 | 16.24   | 18.61 | 30.00            | Complies |
|                                | 5795 MHz  | 20.04                 | 20.97   | 23.54 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 17.45                 | 18.86   | 21.22 | 30.00            | Complies |
|                                | 5775 MHz  | 14.42                 | 16.04   | 18.32 | 30.00            | Complies |



|               |                                               |           |                               |
|---------------|-----------------------------------------------|-----------|-------------------------------|
| Temperature   | 25°C                                          | Humidity  | 46%                           |
| Test Engineer | Eddie Weng                                    | Test Date | Oct. 14, 2015 ~ Oct. 21, 2015 |
| Test Mode     | Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX) |           |                               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Total |                  |          |
| 802.11a                        | 5180 MHz  | 20.07                 | 20.94   | 20.11   | 25.16 | 30.00            | Complies |
|                                | 5200 MHz  | 19.88                 | 20.98   | 20.05   | 25.10 | 30.00            | Complies |
|                                | 5240 MHz  | 20.21                 | 20.97   | 20.11   | 25.22 | 30.00            | Complies |
|                                | 5745 MHz  | 16.52                 | 16.87   | 18.31   | 22.08 | 30.00            | Complies |
|                                | 5785 MHz  | 19.16                 | 19.07   | 20.98   | 24.60 | 30.00            | Complies |
|                                | 5825 MHz  | 18.71                 | 18.61   | 19.97   | 23.91 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 19.55                 | 20.84   | 19.95   | 24.92 | 30.00            | Complies |
|                                | 5200 MHz  | 19.38                 | 20.99   | 19.84   | 24.90 | 30.00            | Complies |
|                                | 5240 MHz  | 19.56                 | 20.97   | 19.65   | 24.88 | 30.00            | Complies |
|                                | 5745 MHz  | 17.01                 | 16.81   | 18.56   | 22.30 | 30.00            | Complies |
|                                | 5785 MHz  | 19.45                 | 19.26   | 20.99   | 24.74 | 30.00            | Complies |
|                                | 5825 MHz  | 19.15                 | 19.04   | 20.66   | 24.45 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 19.34                 | 19.61   | 20.25   | 24.52 | 30.00            | Complies |
|                                | 5230 MHz  | 19.93                 | 20.24   | 20.98   | 25.18 | 30.00            | Complies |
|                                | 5755 MHz  | 15.23                 | 16.49   | 15.58   | 20.57 | 30.00            | Complies |
|                                | 5795 MHz  | 18.78                 | 19.77   | 19.38   | 24.10 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 17.73                 | 18.74   | 17.41   | 22.77 | 30.00            | Complies |
|                                | 5775 MHz  | 14.22                 | 15.21   | 15.02   | 19.61 | 30.00            | Complies |

|               |                                               |           |                               |
|---------------|-----------------------------------------------|-----------|-------------------------------|
| Temperature   | 25°C                                          | Humidity  | 46%                           |
| Test Engineer | Eddie Weng                                    | Test Date | Oct. 14, 2015 ~ Oct. 21, 2015 |
| Test Mode     | Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX) |           |                               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Chain 4 | Total |                  |          |
| 802.11a                        | 5180 MHz  | 19.31                 | 20.91   | 19.91   | 20.71   | 26.28 | 30.00            | Complies |
|                                | 5200 MHz  | 19.28                 | 20.72   | 19.66   | 20.43   | 26.08 | 30.00            | Complies |
|                                | 5240 MHz  | 19.86                 | 20.73   | 19.84   | 20.54   | 26.28 | 30.00            | Complies |
|                                | 5745 MHz  | 19.92                 | 19.91   | 20.79   | 20.95   | 26.44 | 30.00            | Complies |
|                                | 5785 MHz  | 19.37                 | 19.22   | 20.87   | 20.98   | 26.21 | 30.00            | Complies |
|                                | 5825 MHz  | 18.56                 | 18.45   | 20.01   | 20.29   | 25.43 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 18.87                 | 20.64   | 19.51   | 20.17   | 25.87 | 30.00            | Complies |
|                                | 5200 MHz  | 19.31                 | 20.72   | 19.98   | 20.52   | 26.19 | 30.00            | Complies |
|                                | 5240 MHz  | 19.33                 | 20.62   | 19.66   | 20.21   | 26.00 | 30.00            | Complies |
|                                | 5745 MHz  | 15.62                 | 15.68   | 16.79   | 17.27   | 22.42 | 30.00            | Complies |
|                                | 5785 MHz  | 19.29                 | 19.67   | 20.94   | 20.99   | 26.31 | 30.00            | Complies |
|                                | 5825 MHz  | 17.68                 | 18.11   | 19.01   | 19.61   | 24.69 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 19.91                 | 19.98   | 20.89   | 20.82   | 26.44 | 30.00            | Complies |
|                                | 5230 MHz  | 19.41                 | 19.75   | 20.91   | 20.97   | 26.34 | 30.00            | Complies |
|                                | 5755 MHz  | 13.18                 | 13.94   | 13.07   | 15.18   | 19.95 | 30.00            | Complies |
|                                | 5795 MHz  | 17.21                 | 18.15   | 16.82   | 19.05   | 23.92 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 17.32                 | 17.96   | 16.31   | 18.01   | 23.47 | 30.00            | Complies |
|                                | 5775 MHz  | 13.14                 | 14.45   | 13.82   | 14.39   | 20.00 | 30.00            | Complies |

|               |                                               |           |               |
|---------------|-----------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                          | Humidity  | 46%           |
| Test Engineer | Eddie Weng                                    | Test Date | Nov. 29, 2015 |
| Test Mode     | Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX) |           |               |

For outdoor use

| Mode                           | Frequency | Conducted Power (dBm) | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|------------------|----------|
|                                |           | Chain 1               |                  |          |
| 802.11a                        | 5180 MHz  | 18.55                 | 30.00            | Complies |
|                                | 5200 MHz  | 18.52                 | 30.00            | Complies |
|                                | 5240 MHz  | 18.48                 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 18.62                 | 30.00            | Complies |
|                                | 5200 MHz  | 18.58                 | 30.00            | Complies |
|                                | 5240 MHz  | 18.47                 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 18.46                 | 30.00            | Complies |
|                                | 5230 MHz  | 18.56                 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 18.39                 | 30.00            | Complies |

|                      |                                               |                  |               |
|----------------------|-----------------------------------------------|------------------|---------------|
| <b>Temperature</b>   | 25°C                                          | <b>Humidity</b>  | 46%           |
| <b>Test Engineer</b> | Eddie Weng                                    | <b>Test Date</b> | Nov. 29, 2015 |
| <b>Test Mode</b>     | Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX) |                  |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Total |                  |          |
| 802.11a                        | 5180 MHz  | 14.82                 | 16.23   | 18.59 | 30.00            | Complies |
|                                | 5200 MHz  | 14.76                 | 16.20   | 18.55 | 30.00            | Complies |
|                                | 5240 MHz  | 14.38                 | 16.23   | 18.41 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 14.79                 | 16.11   | 18.51 | 30.00            | Complies |
|                                | 5200 MHz  | 14.69                 | 16.31   | 18.59 | 30.00            | Complies |
|                                | 5240 MHz  | 14.62                 | 16.27   | 18.53 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 15.53                 | 15.51   | 18.53 | 30.00            | Complies |
|                                | 5230 MHz  | 15.33                 | 15.64   | 18.50 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 14.61                 | 16.30   | 18.55 | 30.00            | Complies |

|               |                                               |           |               |
|---------------|-----------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                          | Humidity  | 46%           |
| Test Engineer | Eddie Weng                                    | Test Date | Nov. 29, 2015 |
| Test Mode     | Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX) |           |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Total |                  |          |
| 802.11a                        | 5180 MHz  | 12.97                 | 14.49   | 13.90   | 18.60 | 30.00            | Complies |
|                                | 5200 MHz  | 12.91                 | 14.43   | 14.16   | 18.65 | 30.00            | Complies |
|                                | 5240 MHz  | 12.88                 | 14.42   | 14.18   | 18.65 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 12.98                 | 14.35   | 13.76   | 18.50 | 30.00            | Complies |
|                                | 5200 MHz  | 12.90                 | 14.42   | 14.06   | 18.61 | 30.00            | Complies |
|                                | 5240 MHz  | 12.83                 | 14.45   | 14.04   | 18.60 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 13.29                 | 13.79   | 14.48   | 18.65 | 30.00            | Complies |
|                                | 5230 MHz  | 13.33                 | 13.46   | 14.41   | 18.53 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 13.36                 | 14.74   | 13.36   | 18.64 | 30.00            | Complies |



|               |                                               |           |               |
|---------------|-----------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                          | Humidity  | 46%           |
| Test Engineer | Eddie Weng                                    | Test Date | Nov. 29, 2015 |
| Test Mode     | Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX) |           |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Chain 4 | Total |                  |          |
| 802.11a                        | 5180 MHz  | 11.98                 | 13.12   | 12.39   | 12.90   | 18.64 | 30.00            | Complies |
|                                | 5200 MHz  | 11.91                 | 13.33   | 12.53   | 12.56   | 18.63 | 30.00            | Complies |
|                                | 5240 MHz  | 11.53                 | 13.24   | 12.64   | 12.86   | 18.63 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 12.09                 | 13.14   | 12.40   | 12.82   | 18.65 | 30.00            | Complies |
|                                | 5200 MHz  | 11.95                 | 13.34   | 12.51   | 12.46   | 18.61 | 30.00            | Complies |
|                                | 5240 MHz  | 11.82                 | 13.36   | 12.56   | 12.48   | 18.61 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 12.07                 | 12.18   | 12.74   | 12.94   | 18.52 | 30.00            | Complies |
|                                | 5230 MHz  | 11.77                 | 12.10   | 12.86   | 12.99   | 18.48 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 11.94                 | 13.44   | 11.01   | 13.55   | 18.63 | 30.00            | Complies |

|               |                                                               |           |                               |
|---------------|---------------------------------------------------------------|-----------|-------------------------------|
| Temperature   | 25°C                                                          | Humidity  | 46%                           |
| Test Engineer | Eddie Weng                                                    | Test Date | Oct. 14, 2015 ~ Oct. 21, 2015 |
| Test Mode     | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX) |           |                               |

For B1 indoor use / B4 indoor, outdoor use

| Mode                           | Frequency | Conducted Power (dBm) | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|------------------|----------|
|                                |           | Chain 1               |                  |          |
| 802.11a                        | 5180 MHz  | 20.81                 | 30.00            | Complies |
|                                | 5200 MHz  | 20.91                 | 30.00            | Complies |
|                                | 5240 MHz  | 20.96                 | 30.00            | Complies |
|                                | 5745 MHz  | 20.96                 | 30.00            | Complies |
|                                | 5785 MHz  | 20.95                 | 30.00            | Complies |
|                                | 5825 MHz  | 20.85                 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 20.95                 | 30.00            | Complies |
|                                | 5200 MHz  | 20.97                 | 30.00            | Complies |
|                                | 5240 MHz  | 20.94                 | 30.00            | Complies |
|                                | 5745 MHz  | 20.88                 | 30.00            | Complies |
|                                | 5785 MHz  | 20.91                 | 30.00            | Complies |
|                                | 5825 MHz  | 20.84                 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 20.93                 | 30.00            | Complies |
|                                | 5230 MHz  | 20.99                 | 30.00            | Complies |
|                                | 5755 MHz  | 20.05                 | 30.00            | Complies |
|                                | 5795 MHz  | 20.94                 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 20.48                 | 30.00            | Complies |
|                                | 5775 MHz  | 18.91                 | 30.00            | Complies |

|               |                                                                              |           |                               |
|---------------|------------------------------------------------------------------------------|-----------|-------------------------------|
| Temperature   | 25°C                                                                         | Humidity  | 46%                           |
| Test Engineer | Eddie Weng                                                                   | Test Date | Oct. 14, 2015 ~ Oct. 21, 2015 |
| Test Mode     | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX) |           |                               |

| Mode                           | Frequency | Conducted Power (dBm) |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Total |                  |          |
| 802.11a                        | 5180 MHz  | 19.87                 | 20.81   | 23.38 | 30.00            | Complies |
|                                | 5200 MHz  | 19.17                 | 20.78   | 23.06 | 30.00            | Complies |
|                                | 5240 MHz  | 19.44                 | 20.93   | 23.26 | 30.00            | Complies |
|                                | 5745 MHz  | 18.91                 | 18.82   | 21.88 | 30.00            | Complies |
|                                | 5785 MHz  | 20.88                 | 20.53   | 23.72 | 30.00            | Complies |
|                                | 5825 MHz  | 20.89                 | 20.60   | 23.76 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 19.56                 | 20.97   | 23.33 | 30.00            | Complies |
|                                | 5200 MHz  | 19.33                 | 20.86   | 23.17 | 30.00            | Complies |
|                                | 5240 MHz  | 19.34                 | 20.93   | 23.22 | 30.00            | Complies |
|                                | 5745 MHz  | 19.03                 | 18.66   | 21.86 | 30.00            | Complies |
|                                | 5785 MHz  | 20.69                 | 20.41   | 23.56 | 30.00            | Complies |
|                                | 5825 MHz  | 20.82                 | 20.42   | 23.63 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 20.19                 | 20.49   | 23.35 | 30.00            | Complies |
|                                | 5230 MHz  | 20.59                 | 20.82   | 23.72 | 30.00            | Complies |
|                                | 5755 MHz  | 16.38                 | 17.84   | 20.18 | 30.00            | Complies |
|                                | 5795 MHz  | 20.04                 | 20.97   | 23.54 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 18.18                 | 20.29   | 22.37 | 30.00            | Complies |
|                                | 5775 MHz  | 15.78                 | 17.32   | 19.63 | 30.00            | Complies |

|               |                                                                              |           |                               |
|---------------|------------------------------------------------------------------------------|-----------|-------------------------------|
| Temperature   | 25°C                                                                         | Humidity  | 46%                           |
| Test Engineer | Eddie Weng                                                                   | Test Date | Oct. 14, 2015 ~ Oct. 21, 2015 |
| Test Mode     | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX) |           |                               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Total |                  |          |
| 802.11a                        | 5180 MHz  | 20.07                 | 20.94   | 20.11   | 25.16 | 30.00            | Complies |
|                                | 5200 MHz  | 19.88                 | 20.98   | 20.05   | 25.10 | 30.00            | Complies |
|                                | 5240 MHz  | 20.21                 | 20.97   | 20.11   | 25.22 | 30.00            | Complies |
|                                | 5745 MHz  | 18.99                 | 18.63   | 20.56   | 24.25 | 30.00            | Complies |
|                                | 5785 MHz  | 19.16                 | 19.07   | 20.98   | 24.60 | 30.00            | Complies |
|                                | 5825 MHz  | 19.63                 | 19.43   | 20.99   | 24.84 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 19.55                 | 20.84   | 19.95   | 24.92 | 30.00            | Complies |
|                                | 5200 MHz  | 19.38                 | 20.99   | 19.84   | 24.90 | 30.00            | Complies |
|                                | 5240 MHz  | 19.56                 | 20.97   | 19.65   | 24.88 | 30.00            | Complies |
|                                | 5745 MHz  | 17.99                 | 18.01   | 19.46   | 23.31 | 30.00            | Complies |
|                                | 5785 MHz  | 19.45                 | 19.26   | 20.99   | 24.74 | 30.00            | Complies |
|                                | 5825 MHz  | 19.77                 | 19.57   | 20.88   | 24.88 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 18.49                 | 18.81   | 19.79   | 23.84 | 30.00            | Complies |
|                                | 5230 MHz  | 19.93                 | 20.24   | 20.98   | 25.18 | 30.00            | Complies |
|                                | 5755 MHz  | 15.23                 | 16.49   | 15.58   | 20.57 | 30.00            | Complies |
|                                | 5795 MHz  | 19.25                 | 20.12   | 19.31   | 24.35 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 18.14                 | 19.17   | 18.15   | 23.29 | 30.00            | Complies |
|                                | 5775 MHz  | 15.27                 | 16.98   | 16.28   | 21.00 | 30.00            | Complies |

|               |                                                                              |           |                               |
|---------------|------------------------------------------------------------------------------|-----------|-------------------------------|
| Temperature   | 25°C                                                                         | Humidity  | 46%                           |
| Test Engineer | Eddie Weng                                                                   | Test Date | Oct. 14, 2015 ~ Oct. 21, 2015 |
| Test Mode     | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX) |           |                               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Chain 4 | Total |                  |          |
| 802.11a                        | 5180 MHz  | 19.31                 | 20.91   | 19.91   | 20.71   | 26.28 | 30.00            | Complies |
|                                | 5200 MHz  | 19.53                 | 20.97   | 19.91   | 20.68   | 26.33 | 30.00            | Complies |
|                                | 5240 MHz  | 20.11                 | 20.98   | 20.09   | 20.79   | 26.53 | 30.00            | Complies |
|                                | 5745 MHz  | 17.52                 | 17.31   | 18.24   | 18.83   | 24.04 | 30.00            | Complies |
|                                | 5785 MHz  | 19.37                 | 19.22   | 20.87   | 20.98   | 26.21 | 30.00            | Complies |
|                                | 5825 MHz  | 19.42                 | 19.37   | 20.76   | 20.96   | 26.21 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 19.12                 | 20.89   | 19.76   | 20.42   | 26.12 | 30.00            | Complies |
|                                | 5200 MHz  | 19.56                 | 20.97   | 20.23   | 20.77   | 26.44 | 30.00            | Complies |
|                                | 5240 MHz  | 19.63                 | 20.92   | 19.96   | 20.51   | 26.30 | 30.00            | Complies |
|                                | 5745 MHz  | 16.22                 | 16.64   | 17.61   | 18.01   | 23.20 | 30.00            | Complies |
|                                | 5785 MHz  | 19.29                 | 19.67   | 20.94   | 20.99   | 26.31 | 30.00            | Complies |
|                                | 5825 MHz  | 18.14                 | 18.25   | 19.62   | 19.87   | 25.06 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 19.91                 | 19.98   | 20.89   | 20.82   | 26.44 | 30.00            | Complies |
|                                | 5230 MHz  | 19.41                 | 19.75   | 20.91   | 20.97   | 26.34 | 30.00            | Complies |
|                                | 5755 MHz  | 13.63                 | 15.24   | 14.23   | 15.81   | 20.83 | 30.00            | Complies |
|                                | 5795 MHz  | 16.39                 | 17.32   | 16.48   | 18.45   | 23.26 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 17.64                 | 19.42   | 17.62   | 18.74   | 24.44 | 30.00            | Complies |
|                                | 5775 MHz  | 14.57                 | 15.91   | 15.42   | 15.43   | 21.38 | 30.00            | Complies |



|               |                                                               |           |               |
|---------------|---------------------------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                                          | Humidity  | 46%           |
| Test Engineer | Eddie Weng                                                    | Test Date | Nov. 29, 2015 |
| Test Mode     | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX) |           |               |

For outdoor use

| Mode                           | Frequency | Conducted Power (dBm) | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|------------------|----------|
|                                |           | Chain 1               |                  |          |
| 802.11a                        | 5180 MHz  | 18.55                 | 30.00            | Complies |
|                                | 5200 MHz  | 18.52                 | 30.00            | Complies |
|                                | 5240 MHz  | 18.48                 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 18.62                 | 30.00            | Complies |
|                                | 5200 MHz  | 18.58                 | 30.00            | Complies |
|                                | 5240 MHz  | 18.47                 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 18.46                 | 30.00            | Complies |
|                                | 5230 MHz  | 18.56                 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 18.39                 | 30.00            | Complies |

|                      |                                                                              |                  |               |
|----------------------|------------------------------------------------------------------------------|------------------|---------------|
| <b>Temperature</b>   | 25°C                                                                         | <b>Humidity</b>  | 46%           |
| <b>Test Engineer</b> | Eddie Weng                                                                   | <b>Test Date</b> | Nov. 29, 2015 |
| <b>Test Mode</b>     | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX) |                  |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Total |                  |          |
| 802.11a                        | 5180 MHz  | 14.82                 | 16.23   | 18.59 | 30.00            | Complies |
|                                | 5200 MHz  | 14.76                 | 16.20   | 18.55 | 30.00            | Complies |
|                                | 5240 MHz  | 14.38                 | 16.23   | 18.41 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 14.79                 | 16.11   | 18.51 | 30.00            | Complies |
|                                | 5200 MHz  | 14.69                 | 16.31   | 18.59 | 30.00            | Complies |
|                                | 5240 MHz  | 14.62                 | 16.27   | 18.53 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 15.53                 | 15.51   | 18.53 | 30.00            | Complies |
|                                | 5230 MHz  | 15.33                 | 15.64   | 18.50 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 14.61                 | 16.30   | 18.55 | 30.00            | Complies |

|                      |                                                                              |                  |               |
|----------------------|------------------------------------------------------------------------------|------------------|---------------|
| <b>Temperature</b>   | 25°C                                                                         | <b>Humidity</b>  | 46%           |
| <b>Test Engineer</b> | Eddie Weng                                                                   | <b>Test Date</b> | Nov. 29, 2015 |
| <b>Test Mode</b>     | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX) |                  |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Total |                  |          |
| 802.11a                        | 5180 MHz  | 12.97                 | 14.49   | 13.90   | 18.60 | 30.00            | Complies |
|                                | 5200 MHz  | 12.91                 | 14.43   | 14.16   | 18.65 | 30.00            | Complies |
|                                | 5240 MHz  | 12.88                 | 14.42   | 14.18   | 18.65 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 12.98                 | 14.35   | 13.76   | 18.50 | 30.00            | Complies |
|                                | 5200 MHz  | 12.90                 | 14.42   | 14.06   | 18.61 | 30.00            | Complies |
|                                | 5240 MHz  | 12.83                 | 14.45   | 14.04   | 18.60 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 13.29                 | 13.79   | 14.48   | 18.65 | 30.00            | Complies |
|                                | 5230 MHz  | 13.33                 | 13.46   | 14.41   | 18.53 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 13.36                 | 14.74   | 13.36   | 18.64 | 30.00            | Complies |

|               |                                                                              |           |               |
|---------------|------------------------------------------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                                                         | Humidity  | 46%           |
| Test Engineer | Eddie Weng                                                                   | Test Date | Nov. 29, 2015 |
| Test Mode     | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX) |           |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Chain 4 | Total |                  |          |
| 802.11a                        | 5180 MHz  | 11.98                 | 13.12   | 12.39   | 12.90   | 18.64 | 30.00            | Complies |
|                                | 5200 MHz  | 11.91                 | 13.33   | 12.53   | 12.56   | 18.63 | 30.00            | Complies |
|                                | 5240 MHz  | 11.53                 | 13.24   | 12.64   | 12.86   | 18.63 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 12.09                 | 13.14   | 12.40   | 12.82   | 18.65 | 30.00            | Complies |
|                                | 5200 MHz  | 11.95                 | 13.34   | 12.51   | 12.46   | 18.61 | 30.00            | Complies |
|                                | 5240 MHz  | 11.82                 | 13.36   | 12.56   | 12.48   | 18.61 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 12.07                 | 12.18   | 12.74   | 12.94   | 18.52 | 30.00            | Complies |
|                                | 5230 MHz  | 11.77                 | 12.10   | 12.86   | 12.99   | 18.48 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 11.94                 | 13.44   | 11.01   | 13.55   | 18.63 | 30.00            | Complies |

|               |                                              |           |                               |
|---------------|----------------------------------------------|-----------|-------------------------------|
| Temperature   | 25°C                                         | Humidity  | 46%                           |
| Test Engineer | Eddie Weng                                   | Test Date | Oct. 14, 2015 ~ Oct. 21, 2015 |
| Test Mode     | Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX) |           |                               |

For B1 indoor use / B4 indoor, outdoor use

| Mode                           | Frequency | Conducted Power (dBm) | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|------------------|----------|
|                                |           | Chain 1               |                  |          |
| 802.11a                        | 5180 MHz  | 20.81                 | 30.00            | Complies |
|                                | 5200 MHz  | 20.91                 | 30.00            | Complies |
|                                | 5240 MHz  | 20.96                 | 30.00            | Complies |
|                                | 5745 MHz  | 20.78                 | 30.00            | Complies |
|                                | 5785 MHz  | 20.95                 | 30.00            | Complies |
|                                | 5825 MHz  | 20.85                 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 20.95                 | 30.00            | Complies |
|                                | 5200 MHz  | 20.97                 | 30.00            | Complies |
|                                | 5240 MHz  | 20.94                 | 30.00            | Complies |
|                                | 5745 MHz  | 19.77                 | 30.00            | Complies |
|                                | 5785 MHz  | 20.91                 | 30.00            | Complies |
|                                | 5825 MHz  | 20.25                 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 19.29                 | 30.00            | Complies |
|                                | 5230 MHz  | 20.99                 | 30.00            | Complies |
|                                | 5755 MHz  | 19.02                 | 30.00            | Complies |
|                                | 5795 MHz  | 19.44                 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 19.02                 | 30.00            | Complies |
|                                | 5775 MHz  | 17.36                 | 30.00            | Complies |



|               |                                              |           |                               |
|---------------|----------------------------------------------|-----------|-------------------------------|
| Temperature   | 25°C                                         | Humidity  | 46%                           |
| Test Engineer | Eddie Weng                                   | Test Date | Oct. 14, 2015 ~ Oct. 21, 2015 |
| Test Mode     | Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX) |           |                               |

| Mode                           | Frequency | Conducted Power (dBm) |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Total |                  |          |
| 802.11a                        | 5180 MHz  | 19.87                 | 20.81   | 23.38 | 30.00            | Complies |
|                                | 5200 MHz  | 19.17                 | 20.78   | 23.06 | 30.00            | Complies |
|                                | 5240 MHz  | 19.44                 | 20.93   | 23.26 | 30.00            | Complies |
|                                | 5745 MHz  | 19.36                 | 19.33   | 22.36 | 30.00            | Complies |
|                                | 5785 MHz  | 20.88                 | 20.53   | 23.72 | 30.00            | Complies |
|                                | 5825 MHz  | 20.14                 | 20.16   | 23.16 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 19.56                 | 20.97   | 23.33 | 30.00            | Complies |
|                                | 5200 MHz  | 19.33                 | 20.86   | 23.17 | 30.00            | Complies |
|                                | 5240 MHz  | 19.34                 | 20.93   | 23.22 | 30.00            | Complies |
|                                | 5745 MHz  | 18.15                 | 17.95   | 21.06 | 30.00            | Complies |
|                                | 5785 MHz  | 20.69                 | 20.41   | 23.56 | 30.00            | Complies |
|                                | 5825 MHz  | 19.73                 | 19.33   | 22.54 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 19.23                 | 19.77   | 22.52 | 30.00            | Complies |
|                                | 5230 MHz  | 20.59                 | 20.82   | 23.72 | 30.00            | Complies |
|                                | 5755 MHz  | 15.12                 | 16.01   | 18.60 | 30.00            | Complies |
|                                | 5795 MHz  | 18.35                 | 19.66   | 22.06 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 17.45                 | 18.86   | 21.22 | 30.00            | Complies |
|                                | 5775 MHz  | 15.72                 | 17.07   | 19.46 | 30.00            | Complies |

|               |                                              |           |                               |
|---------------|----------------------------------------------|-----------|-------------------------------|
| Temperature   | 25°C                                         | Humidity  | 46%                           |
| Test Engineer | Eddie Weng                                   | Test Date | Oct. 14, 2015 ~ Oct. 21, 2015 |
| Test Mode     | Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX) |           |                               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Total |                  |          |
| 802.11a                        | 5180 MHz  | 20.07                 | 20.94   | 20.11   | 25.16 | 30.00            | Complies |
|                                | 5200 MHz  | 19.88                 | 20.98   | 20.05   | 25.10 | 30.00            | Complies |
|                                | 5240 MHz  | 20.21                 | 20.97   | 20.11   | 25.22 | 30.00            | Complies |
|                                | 5745 MHz  | 17.33                 | 17.22   | 18.46   | 22.48 | 30.00            | Complies |
|                                | 5785 MHz  | 19.16                 | 19.07   | 20.98   | 24.60 | 30.00            | Complies |
|                                | 5825 MHz  | 18.89                 | 19.02   | 20.68   | 24.38 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 19.55                 | 20.84   | 19.95   | 24.92 | 30.00            | Complies |
|                                | 5200 MHz  | 19.38                 | 20.99   | 19.84   | 24.90 | 30.00            | Complies |
|                                | 5240 MHz  | 19.56                 | 20.97   | 19.65   | 24.88 | 30.00            | Complies |
|                                | 5745 MHz  | 17.01                 | 16.81   | 18.56   | 22.30 | 30.00            | Complies |
|                                | 5785 MHz  | 19.45                 | 19.26   | 20.99   | 24.74 | 30.00            | Complies |
|                                | 5825 MHz  | 18.89                 | 18.53   | 19.82   | 23.89 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 18.42                 | 18.67   | 19.44   | 23.64 | 30.00            | Complies |
|                                | 5230 MHz  | 19.93                 | 20.24   | 20.98   | 25.18 | 30.00            | Complies |
|                                | 5755 MHz  | 15.23                 | 16.49   | 15.58   | 20.57 | 30.00            | Complies |
|                                | 5795 MHz  | 17.39                 | 18.88   | 17.81   | 22.84 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 16.82                 | 18.04   | 16.91   | 22.06 | 30.00            | Complies |
|                                | 5775 MHz  | 13.31                 | 14.83   | 14.26   | 18.95 | 30.00            | Complies |

|               |                                              |           |                               |
|---------------|----------------------------------------------|-----------|-------------------------------|
| Temperature   | 25°C                                         | Humidity  | 46%                           |
| Test Engineer | Eddie Weng                                   | Test Date | Oct. 14, 2015 ~ Oct. 21, 2015 |
| Test Mode     | Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX) |           |                               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Chain 4 | Total |                  |          |
| 802.11a                        | 5180 MHz  | 19.31                 | 20.91   | 19.91   | 20.71   | 26.28 | 30.00            | Complies |
|                                | 5200 MHz  | 19.53                 | 20.97   | 19.91   | 20.68   | 26.33 | 30.00            | Complies |
|                                | 5240 MHz  | 20.11                 | 20.98   | 20.09   | 20.79   | 26.53 | 30.00            | Complies |
|                                | 5745 MHz  | 16.65                 | 16.52   | 17.66   | 18.18   | 23.33 | 30.00            | Complies |
|                                | 5785 MHz  | 19.37                 | 19.22   | 20.87   | 20.98   | 26.21 | 30.00            | Complies |
|                                | 5825 MHz  | 18.56                 | 18.45   | 20.01   | 20.29   | 25.43 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 19.12                 | 20.89   | 19.76   | 20.42   | 26.12 | 30.00            | Complies |
|                                | 5200 MHz  | 19.56                 | 20.97   | 20.23   | 20.77   | 26.44 | 30.00            | Complies |
|                                | 5240 MHz  | 19.63                 | 20.92   | 19.96   | 20.51   | 26.30 | 30.00            | Complies |
|                                | 5745 MHz  | 15.89                 | 15.81   | 17.14   | 17.49   | 22.67 | 30.00            | Complies |
|                                | 5785 MHz  | 19.29                 | 19.67   | 20.94   | 20.99   | 26.31 | 30.00            | Complies |
|                                | 5825 MHz  | 16.58                 | 16.47   | 17.72   | 18.08   | 23.29 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 17.69                 | 18.02   | 19.15   | 19.33   | 24.62 | 30.00            | Complies |
|                                | 5230 MHz  | 19.41                 | 19.75   | 20.91   | 20.97   | 26.34 | 30.00            | Complies |
|                                | 5755 MHz  | 12.59                 | 13.22   | 12.48   | 14.31   | 19.23 | 30.00            | Complies |
|                                | 5795 MHz  | 16.07                 | 17.18   | 15.88   | 17.82   | 22.83 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 15.29                 | 16.76   | 15.31   | 16.42   | 22.02 | 30.00            | Complies |
|                                | 5775 MHz  | 12.04                 | 13.35   | 12.83   | 13.04   | 18.86 | 30.00            | Complies |

|               |                                              |           |               |
|---------------|----------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                         | Humidity  | 46%           |
| Test Engineer | Eddie Weng                                   | Test Date | Nov. 29, 2015 |
| Test Mode     | Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX) |           |               |

## For outdoor use

| Mode                           | Frequency | Conducted Power (dBm) | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|------------------|----------|
|                                |           | Chain 1               |                  |          |
| 802.11a                        | 5180 MHz  | 19.13                 | 30.00            | Complies |
|                                | 5200 MHz  | 19.02                 | 30.00            | Complies |
|                                | 5240 MHz  | 19.09                 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 19.12                 | 30.00            | Complies |
|                                | 5200 MHz  | 18.81                 | 30.00            | Complies |
|                                | 5240 MHz  | 19.02                 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 19.04                 | 30.00            | Complies |
|                                | 5230 MHz  | 19.09                 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 19.02                 | 30.00            | Complies |

|               |                                              |           |               |
|---------------|----------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                         | Humidity  | 46%           |
| Test Engineer | Eddie Weng                                   | Test Date | Nov. 29, 2015 |
| Test Mode     | Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX) |           |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Total |                  |          |
| 802.11a                        | 5180 MHz  | 15.33                 | 16.72   | 19.09 | 30.00            | Complies |
|                                | 5200 MHz  | 15.24                 | 16.85   | 19.13 | 30.00            | Complies |
|                                | 5240 MHz  | 15.14                 | 16.91   | 19.12 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 15.32                 | 16.65   | 19.05 | 30.00            | Complies |
|                                | 5200 MHz  | 14.91                 | 16.58   | 18.84 | 30.00            | Complies |
|                                | 5240 MHz  | 14.87                 | 16.77   | 18.93 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 15.81                 | 16.05   | 18.94 | 30.00            | Complies |
|                                | 5230 MHz  | 15.81                 | 16.28   | 19.06 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 15.02                 | 16.69   | 18.95 | 30.00            | Complies |



|                      |                                              |                  |               |
|----------------------|----------------------------------------------|------------------|---------------|
| <b>Temperature</b>   | 25°C                                         | <b>Humidity</b>  | 46%           |
| <b>Test Engineer</b> | Eddie Weng                                   | <b>Test Date</b> | Nov. 29, 2015 |
| <b>Test Mode</b>     | Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX) |                  |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Total |                  |          |
| 802.11a                        | 5180 MHz  | 13.33                 | 14.61   | 14.19   | 18.85 | 30.00            | Complies |
|                                | 5200 MHz  | 13.32                 | 14.83   | 14.40   | 19.00 | 30.00            | Complies |
|                                | 5240 MHz  | 13.37                 | 14.89   | 14.53   | 19.08 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 13.57                 | 14.81   | 14.33   | 19.04 | 30.00            | Complies |
|                                | 5200 MHz  | 13.35                 | 14.74   | 14.31   | 18.94 | 30.00            | Complies |
|                                | 5240 MHz  | 13.42                 | 14.08   | 14.50   | 18.79 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 13.83                 | 14.20   | 14.81   | 19.07 | 30.00            | Complies |
|                                | 5230 MHz  | 13.73                 | 14.18   | 14.78   | 19.02 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 13.59                 | 15.16   | 13.49   | 18.92 | 30.00            | Complies |

|               |                                              |           |               |
|---------------|----------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                         | Humidity  | 46%           |
| Test Engineer | Eddie Weng                                   | Test Date | Nov. 29, 2015 |
| Test Mode     | Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX) |           |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Chain 4 | Total |                  |          |
| 802.11a                        | 5180 MHz  | 12.36                 | 13.41   | 13.02   | 13.13   | 19.02 | 30.00            | Complies |
|                                | 5200 MHz  | 12.32                 | 13.51   | 13.28   | 13.18   | 19.12 | 30.00            | Complies |
|                                | 5240 MHz  | 11.98                 | 13.59   | 13.04   | 13.17   | 19.00 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 12.25                 | 13.57   | 13.08   | 13.11   | 19.05 | 30.00            | Complies |
|                                | 5200 MHz  | 12.24                 | 13.87   | 13.14   | 12.66   | 19.04 | 30.00            | Complies |
|                                | 5240 MHz  | 12.21                 | 13.56   | 13.15   | 13.39   | 19.13 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 12.52                 | 12.87   | 13.42   | 13.54   | 19.13 | 30.00            | Complies |
|                                | 5230 MHz  | 12.48                 | 12.94   | 13.32   | 13.62   | 19.13 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 12.48                 | 13.71   | 11.61   | 13.81   | 19.02 | 30.00            | Complies |

|               |                                                        |           |                               |
|---------------|--------------------------------------------------------|-----------|-------------------------------|
| Temperature   | 25°C                                                   | Humidity  | 46%                           |
| Test Engineer | Eddie Weng                                             | Test Date | Oct. 14, 2015 ~ Oct. 21, 2015 |
| Test Mode     | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX) |           |                               |

For B1 indoor use / B4 indoor, outdoor use

| Mode                           | Frequency | Conducted Power (dBm) | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|------------------|----------|
|                                |           | Chain 1               |                  |          |
| 802.11a                        | 5180 MHz  | 20.81                 | 30.00            | Complies |
|                                | 5200 MHz  | 20.91                 | 30.00            | Complies |
|                                | 5240 MHz  | 20.96                 | 30.00            | Complies |
|                                | 5745 MHz  | 20.96                 | 30.00            | Complies |
|                                | 5785 MHz  | 20.95                 | 30.00            | Complies |
|                                | 5825 MHz  | 20.85                 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 20.95                 | 30.00            | Complies |
|                                | 5200 MHz  | 20.97                 | 30.00            | Complies |
|                                | 5240 MHz  | 20.94                 | 30.00            | Complies |
|                                | 5745 MHz  | 20.72                 | 30.00            | Complies |
|                                | 5785 MHz  | 20.91                 | 30.00            | Complies |
|                                | 5825 MHz  | 20.84                 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 20.93                 | 30.00            | Complies |
|                                | 5230 MHz  | 20.99                 | 30.00            | Complies |
|                                | 5755 MHz  | 20.05                 | 30.00            | Complies |
|                                | 5795 MHz  | 20.94                 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 20.85                 | 30.00            | Complies |
|                                | 5775 MHz  | 19.03                 | 30.00            | Complies |

|               |                                                        |           |                               |
|---------------|--------------------------------------------------------|-----------|-------------------------------|
| Temperature   | 25°C                                                   | Humidity  | 46%                           |
| Test Engineer | Eddie Weng                                             | Test Date | Oct. 14, 2015 ~ Oct. 21, 2015 |
| Test Mode     | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX) |           |                               |

| Mode                           | Frequency | Conducted Power (dBm) |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Total |                  |          |
| 802.11a                        | 5180 MHz  | 19.87                 | 20.81   | 23.38 | 30.00            | Complies |
|                                | 5200 MHz  | 19.17                 | 20.78   | 23.06 | 30.00            | Complies |
|                                | 5240 MHz  | 19.44                 | 20.93   | 23.26 | 30.00            | Complies |
|                                | 5745 MHz  | 18.91                 | 18.82   | 21.88 | 30.00            | Complies |
|                                | 5785 MHz  | 20.88                 | 20.53   | 23.72 | 30.00            | Complies |
|                                | 5825 MHz  | 20.89                 | 20.60   | 23.76 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 19.56                 | 20.97   | 23.33 | 30.00            | Complies |
|                                | 5200 MHz  | 19.33                 | 20.86   | 23.17 | 30.00            | Complies |
|                                | 5240 MHz  | 19.34                 | 20.93   | 23.22 | 30.00            | Complies |
|                                | 5745 MHz  | 18.39                 | 18.43   | 21.42 | 30.00            | Complies |
|                                | 5785 MHz  | 20.69                 | 20.41   | 23.56 | 30.00            | Complies |
|                                | 5825 MHz  | 20.04                 | 19.73   | 22.90 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 19.99                 | 20.25   | 23.13 | 30.00            | Complies |
|                                | 5230 MHz  | 20.59                 | 20.82   | 23.72 | 30.00            | Complies |
|                                | 5755 MHz  | 15.06                 | 16.44   | 18.81 | 30.00            | Complies |
|                                | 5795 MHz  | 19.01                 | 20.12   | 22.61 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 17.87                 | 19.72   | 21.90 | 30.00            | Complies |
|                                | 5775 MHz  | 15.78                 | 17.32   | 19.63 | 30.00            | Complies |

|               |                                                        |           |                               |
|---------------|--------------------------------------------------------|-----------|-------------------------------|
| Temperature   | 25°C                                                   | Humidity  | 46%                           |
| Test Engineer | Eddie Weng                                             | Test Date | Oct. 14, 2015 ~ Oct. 21, 2015 |
| Test Mode     | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX) |           |                               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Total |                  |          |
| 802.11a                        | 5180 MHz  | 20.07                 | 20.94   | 20.11   | 25.16 | 30.00            | Complies |
|                                | 5200 MHz  | 19.88                 | 20.98   | 20.05   | 25.10 | 30.00            | Complies |
|                                | 5240 MHz  | 20.21                 | 20.97   | 20.11   | 25.22 | 30.00            | Complies |
|                                | 5745 MHz  | 17.72                 | 17.57   | 19.26   | 23.02 | 30.00            | Complies |
|                                | 5785 MHz  | 19.16                 | 19.07   | 20.98   | 24.60 | 30.00            | Complies |
|                                | 5825 MHz  | 19.63                 | 19.43   | 20.99   | 24.84 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 19.55                 | 20.84   | 19.95   | 24.92 | 30.00            | Complies |
|                                | 5200 MHz  | 19.38                 | 20.99   | 19.84   | 24.90 | 30.00            | Complies |
|                                | 5240 MHz  | 19.56                 | 20.97   | 19.65   | 24.88 | 30.00            | Complies |
|                                | 5745 MHz  | 17.52                 | 17.51   | 18.71   | 22.72 | 30.00            | Complies |
|                                | 5785 MHz  | 19.45                 | 19.26   | 20.99   | 24.74 | 30.00            | Complies |
|                                | 5825 MHz  | 18.89                 | 18.53   | 19.82   | 24.02 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 19.08                 | 18.78   | 19.81   | 25.18 | 30.00            | Complies |
|                                | 5230 MHz  | 19.93                 | 20.24   | 20.98   | 20.57 | 30.00            | Complies |
|                                | 5755 MHz  | 15.23                 | 16.49   | 15.58   | 24.10 | 30.00            | Complies |
|                                | 5795 MHz  | 18.78                 | 19.77   | 19.38   | 24.02 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 18.14                 | 19.17   | 18.15   | 23.29 | 30.00            | Complies |
|                                | 5775 MHz  | 15.08                 | 15.86   | 15.67   | 20.32 | 30.00            | Complies |



|               |                                                        |           |                               |
|---------------|--------------------------------------------------------|-----------|-------------------------------|
| Temperature   | 25°C                                                   | Humidity  | 46%                           |
| Test Engineer | Eddie Weng                                             | Test Date | Oct. 14, 2015 ~ Oct. 21, 2015 |
| Test Mode     | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX) |           |                               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Chain 4 | Total |                  |          |
| 802.11a                        | 5180 MHz  | 19.31                 | 20.91   | 19.91   | 20.71   | 26.28 | 30.00            | Complies |
|                                | 5200 MHz  | 19.53                 | 20.97   | 19.91   | 20.68   | 26.33 | 30.00            | Complies |
|                                | 5240 MHz  | 20.11                 | 20.98   | 20.09   | 20.79   | 26.53 | 30.00            | Complies |
|                                | 5745 MHz  | 16.55                 | 16.84   | 17.91   | 18.58   | 23.57 | 30.00            | Complies |
|                                | 5785 MHz  | 19.37                 | 19.22   | 20.87   | 20.98   | 26.21 | 30.00            | Complies |
|                                | 5825 MHz  | 19.42                 | 19.37   | 20.76   | 20.96   | 26.21 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 19.12                 | 20.89   | 19.76   | 20.42   | 26.12 | 30.00            | Complies |
|                                | 5200 MHz  | 19.56                 | 20.97   | 20.23   | 20.77   | 26.44 | 30.00            | Complies |
|                                | 5240 MHz  | 19.63                 | 20.92   | 19.96   | 20.51   | 26.30 | 30.00            | Complies |
|                                | 5745 MHz  | 15.89                 | 15.99   | 16.99   | 17.74   | 22.74 | 30.00            | Complies |
|                                | 5785 MHz  | 19.29                 | 19.67   | 20.94   | 20.99   | 26.31 | 30.00            | Complies |
|                                | 5825 MHz  | 16.91                 | 17.30   | 18.23   | 19.16   | 24.01 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 19.61                 | 19.68   | 20.59   | 20.32   | 26.09 | 30.00            | Complies |
|                                | 5230 MHz  | 19.41                 | 19.75   | 20.91   | 20.97   | 26.34 | 30.00            | Complies |
|                                | 5755 MHz  | 13.18                 | 13.94   | 13.07   | 15.18   | 19.95 | 30.00            | Complies |
|                                | 5795 MHz  | 17.21                 | 18.15   | 16.82   | 19.05   | 23.92 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 17.01                 | 18.02   | 16.09   | 17.52   | 23.24 | 30.00            | Complies |
|                                | 5775 MHz  | 13.13                 | 14.15   | 13.57   | 14.19   | 19.80 | 30.00            | Complies |

|                      |                                                        |                  |               |
|----------------------|--------------------------------------------------------|------------------|---------------|
| <b>Temperature</b>   | 25°C                                                   | <b>Humidity</b>  | 46%           |
| <b>Test Engineer</b> | Eddie Weng                                             | <b>Test Date</b> | Nov. 29, 2015 |
| <b>Test Mode</b>     | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX) |                  |               |

**For outdoor use**

| Mode                           | Frequency | Conducted Power (dBm) | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|------------------|----------|
|                                |           | Chain 1               |                  |          |
| 802.11a                        | 5180 MHz  | 20.36                 | 30.00            | Complies |
|                                | 5200 MHz  | 20.37                 | 30.00            | Complies |
|                                | 5240 MHz  | 20.26                 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 20.21                 | 30.00            | Complies |
|                                | 5200 MHz  | 20.10                 | 30.00            | Complies |
|                                | 5240 MHz  | 20.15                 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 20.23                 | 30.00            | Complies |
|                                | 5230 MHz  | 20.33                 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 20.14                 | 30.00            | Complies |

|                      |                                                        |                  |               |
|----------------------|--------------------------------------------------------|------------------|---------------|
| <b>Temperature</b>   | 25°C                                                   | <b>Humidity</b>  | 46%           |
| <b>Test Engineer</b> | Eddie Weng                                             | <b>Test Date</b> | Nov. 29, 2015 |
| <b>Test Mode</b>     | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX) |                  |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Total |                  |          |
| 802.11a                        | 5180 MHz  | 16.44                 | 17.93   | 20.26 | 30.00            | Complies |
|                                | 5200 MHz  | 16.53                 | 18.06   | 20.37 | 30.00            | Complies |
|                                | 5240 MHz  | 16.12                 | 17.97   | 20.15 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 16.53                 | 17.94   | 20.30 | 30.00            | Complies |
|                                | 5200 MHz  | 16.49                 | 18.11   | 20.39 | 30.00            | Complies |
|                                | 5240 MHz  | 16.14                 | 17.89   | 20.11 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 17.23                 | 17.49   | 20.37 | 30.00            | Complies |
|                                | 5230 MHz  | 17.17                 | 17.57   | 20.38 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 16.31                 | 17.92   | 20.20 | 30.00            | Complies |

|                      |                                                        |                  |               |
|----------------------|--------------------------------------------------------|------------------|---------------|
| <b>Temperature</b>   | 25°C                                                   | <b>Humidity</b>  | 46%           |
| <b>Test Engineer</b> | Eddie Weng                                             | <b>Test Date</b> | Nov. 29, 2015 |
| <b>Test Mode</b>     | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX) |                  |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Total |                  |          |
| 802.11a                        | 5180 MHz  | 14.88                 | 15.94   | 15.56   | 20.25 | 30.00            | Complies |
|                                | 5200 MHz  | 14.94                 | 15.23   | 16.06   | 20.21 | 30.00            | Complies |
|                                | 5240 MHz  | 14.85                 | 15.68   | 16.01   | 20.31 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 14.77                 | 16.22   | 15.41   | 20.28 | 30.00            | Complies |
|                                | 5200 MHz  | 14.72                 | 16.16   | 15.68   | 20.33 | 30.00            | Complies |
|                                | 5240 MHz  | 14.42                 | 16.21   | 15.57   | 20.23 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 15.07                 | 15.05   | 16.12   | 20.21 | 30.00            | Complies |
|                                | 5230 MHz  | 14.86                 | 15.16   | 16.16   | 20.20 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 14.81                 | 16.25   | 14.86   | 20.13 | 30.00            | Complies |

|               |                                                        |           |               |
|---------------|--------------------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                                   | Humidity  | 46%           |
| Test Engineer | Eddie Weng                                             | Test Date | Nov. 29, 2015 |
| Test Mode     | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX) |           |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Chain 4 | Total |                  |          |
| 802.11a                        | 5180 MHz  | 13.55                 | 14.72   | 14.12   | 14.24   | 20.20 | 30.00            | Complies |
|                                | 5200 MHz  | 13.46                 | 14.92   | 14.36   | 14.08   | 20.26 | 30.00            | Complies |
|                                | 5240 MHz  | 13.17                 | 14.68   | 14.42   | 14.51   | 20.25 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 13.77                 | 14.71   | 14.31   | 14.42   | 20.34 | 30.00            | Complies |
|                                | 5200 MHz  | 13.59                 | 15.04   | 14.46   | 14.22   | 20.38 | 30.00            | Complies |
|                                | 5240 MHz  | 13.43                 | 14.90   | 14.62   | 14.37   | 20.38 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 13.89                 | 14.01   | 14.56   | 14.88   | 20.37 | 30.00            | Complies |
|                                | 5230 MHz  | 13.41                 | 14.06   | 14.43   | 15.13   | 20.32 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 13.72                 | 14.84   | 13.10   | 14.84   | 20.21 | 30.00            | Complies |



|               |                                              |           |                               |
|---------------|----------------------------------------------|-----------|-------------------------------|
| Temperature   | 25°C                                         | Humidity  | 46%                           |
| Test Engineer | Eddie Weng                                   | Test Date | Oct. 14, 2015 ~ Oct. 21, 2015 |
| Test Mode     | Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX) |           |                               |

## For indoor use

| Mode                           | Frequency | Conducted Power (dBm) | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|------------------|----------|
|                                |           | Chain 1               |                  |          |
| 802.11a                        | 5180 MHz  | 20.81                 | 30.00            | Complies |
|                                | 5200 MHz  | 20.91                 | 30.00            | Complies |
|                                | 5240 MHz  | 20.96                 | 30.00            | Complies |
|                                | 5745 MHz  | 20.15                 | 30.00            | Complies |
|                                | 5785 MHz  | 20.95                 | 30.00            | Complies |
|                                | 5825 MHz  | 20.85                 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 20.95                 | 30.00            | Complies |
|                                | 5200 MHz  | 20.97                 | 30.00            | Complies |
|                                | 5240 MHz  | 20.94                 | 30.00            | Complies |
|                                | 5745 MHz  | 20.51                 | 30.00            | Complies |
|                                | 5785 MHz  | 20.91                 | 30.00            | Complies |
|                                | 5825 MHz  | 20.84                 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 20.66                 | 30.00            | Complies |
|                                | 5230 MHz  | 20.99                 | 30.00            | Complies |
|                                | 5755 MHz  | 19.73                 | 30.00            | Complies |
|                                | 5795 MHz  | 20.94                 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 20.78                 | 30.00            | Complies |
|                                | 5775 MHz  | 18.91                 | 30.00            | Complies |

|               |                                              |           |                               |
|---------------|----------------------------------------------|-----------|-------------------------------|
| Temperature   | 25°C                                         | Humidity  | 46%                           |
| Test Engineer | Eddie Weng                                   | Test Date | Oct. 14, 2015 ~ Oct. 21, 2015 |
| Test Mode     | Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX) |           |                               |

| Mode                           | Frequency | Conducted Power (dBm) |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Total |                  |          |
| 802.11a                        | 5180 MHz  | 19.87                 | 20.81   | 23.38 | 30.00            | Complies |
|                                | 5200 MHz  | 19.17                 | 20.78   | 23.06 | 30.00            | Complies |
|                                | 5240 MHz  | 19.44                 | 20.93   | 23.26 | 30.00            | Complies |
|                                | 5745 MHz  | 19.36                 | 19.33   | 22.36 | 30.00            | Complies |
|                                | 5785 MHz  | 20.88                 | 20.53   | 23.72 | 30.00            | Complies |
|                                | 5825 MHz  | 20.89                 | 20.60   | 23.76 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 19.56                 | 20.97   | 23.33 | 30.00            | Complies |
|                                | 5200 MHz  | 19.33                 | 20.86   | 23.17 | 30.00            | Complies |
|                                | 5240 MHz  | 19.34                 | 20.93   | 23.22 | 30.00            | Complies |
|                                | 5745 MHz  | 18.74                 | 18.62   | 21.69 | 30.00            | Complies |
|                                | 5785 MHz  | 20.69                 | 20.41   | 23.56 | 30.00            | Complies |
|                                | 5825 MHz  | 20.58                 | 20.33   | 23.47 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 19.23                 | 19.77   | 22.52 | 30.00            | Complies |
|                                | 5230 MHz  | 20.59                 | 20.82   | 23.72 | 30.00            | Complies |
|                                | 5755 MHz  | 15.43                 | 16.95   | 19.27 | 30.00            | Complies |
|                                | 5795 MHz  | 19.25                 | 20.45   | 22.90 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 16.91                 | 18.88   | 21.02 | 30.00            | Complies |
|                                | 5775 MHz  | 14.92                 | 16.21   | 18.62 | 30.00            | Complies |

|               |                                              |           |                               |
|---------------|----------------------------------------------|-----------|-------------------------------|
| Temperature   | 25°C                                         | Humidity  | 46%                           |
| Test Engineer | Eddie Weng                                   | Test Date | Oct. 14, 2015 ~ Oct. 21, 2015 |
| Test Mode     | Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX) |           |                               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Total |                  |          |
| 802.11a                        | 5180 MHz  | 20.07                 | 20.94   | 20.11   | 25.16 | 30.00            | Complies |
|                                | 5200 MHz  | 19.88                 | 20.98   | 20.05   | 25.10 | 30.00            | Complies |
|                                | 5240 MHz  | 20.21                 | 20.97   | 20.11   | 25.22 | 30.00            | Complies |
|                                | 5745 MHz  | 19.39                 | 19.15   | 20.52   | 24.50 | 30.00            | Complies |
|                                | 5785 MHz  | 19.16                 | 19.07   | 20.98   | 24.60 | 30.00            | Complies |
|                                | 5825 MHz  | 19.63                 | 19.43   | 20.99   | 24.84 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 19.55                 | 20.84   | 19.95   | 24.92 | 30.00            | Complies |
|                                | 5200 MHz  | 19.38                 | 20.99   | 19.84   | 24.90 | 30.00            | Complies |
|                                | 5240 MHz  | 19.56                 | 20.97   | 19.65   | 24.88 | 30.00            | Complies |
|                                | 5745 MHz  | 17.99                 | 18.01   | 19.46   | 23.31 | 30.00            | Complies |
|                                | 5785 MHz  | 19.45                 | 19.26   | 20.99   | 24.74 | 30.00            | Complies |
|                                | 5825 MHz  | 19.15                 | 19.04   | 20.66   | 24.45 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 19.34                 | 19.20   | 20.22   | 24.38 | 30.00            | Complies |
|                                | 5230 MHz  | 19.93                 | 20.24   | 20.98   | 25.18 | 30.00            | Complies |
|                                | 5755 MHz  | 15.97                 | 16.88   | 16.24   | 21.15 | 30.00            | Complies |
|                                | 5795 MHz  | 18.65                 | 19.84   | 18.86   | 23.92 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 17.06                 | 18.56   | 17.14   | 22.41 | 30.00            | Complies |
|                                | 5775 MHz  | 15.46                 | 16.67   | 16.03   | 20.85 | 30.00            | Complies |

|               |                                              |           |                               |
|---------------|----------------------------------------------|-----------|-------------------------------|
| Temperature   | 25°C                                         | Humidity  | 46%                           |
| Test Engineer | Eddie Weng                                   | Test Date | Oct. 14, 2015 ~ Oct. 21, 2015 |
| Test Mode     | Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX) |           |                               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Chain 4 | Total |                  |          |
| 802.11a                        | 5180 MHz  | 19.31                 | 20.91   | 19.91   | 20.71   | 26.28 | 30.00            | Complies |
|                                | 5200 MHz  | 19.53                 | 20.97   | 19.91   | 20.68   | 26.33 | 30.00            | Complies |
|                                | 5240 MHz  | 20.11                 | 20.98   | 20.09   | 20.79   | 26.53 | 30.00            | Complies |
|                                | 5745 MHz  | 17.71                 | 19.58   | 18.46   | 18.21   | 24.57 | 30.00            | Complies |
|                                | 5785 MHz  | 19.37                 | 19.22   | 20.87   | 20.98   | 26.21 | 30.00            | Complies |
|                                | 5825 MHz  | 19.22                 | 18.98   | 20.54   | 20.85   | 25.99 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 19.12                 | 20.89   | 19.76   | 20.42   | 26.12 | 30.00            | Complies |
|                                | 5200 MHz  | 19.56                 | 20.97   | 20.23   | 20.77   | 26.44 | 30.00            | Complies |
|                                | 5240 MHz  | 19.63                 | 20.92   | 19.96   | 20.51   | 26.30 | 30.00            | Complies |
|                                | 5745 MHz  | 16.52                 | 16.44   | 18.34   | 18.33   | 23.53 | 30.00            | Complies |
|                                | 5785 MHz  | 19.29                 | 19.67   | 20.94   | 20.99   | 26.31 | 30.00            | Complies |
|                                | 5825 MHz  | 17.35                 | 17.60   | 19.06   | 18.90   | 24.31 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 19.91                 | 19.98   | 20.89   | 20.82   | 26.44 | 30.00            | Complies |
|                                | 5230 MHz  | 19.41                 | 19.75   | 20.91   | 20.97   | 26.34 | 30.00            | Complies |
|                                | 5755 MHz  | 14.41                 | 15.73   | 14.69   | 16.84   | 21.55 | 30.00            | Complies |
|                                | 5795 MHz  | 16.03                 | 17.47   | 17.52   | 18.54   | 23.50 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 17.18                 | 18.85   | 17.17   | 18.27   | 23.95 | 30.00            | Complies |
|                                | 5775 MHz  | 14.15                 | 15.86   | 15.07   | 15.31   | 21.16 | 30.00            | Complies |

|               |                                                         |           |               |
|---------------|---------------------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                                    | Humidity  | 46%           |
| Test Engineer | Eddie Weng                                              | Test Date | Oct. 28, 2015 |
| Test Mode     | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX) |           |               |

For B1 indoor use / B4 indoor, outdoor use

| Mode                           | Frequency | Conducted Power (dBm) | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|------------------|----------|
|                                |           | Chain 1               |                  |          |
| 802.11a                        | 5180 MHz  | 20.81                 | 29.20            | Complies |
|                                | 5200 MHz  | 20.91                 | 29.20            | Complies |
|                                | 5240 MHz  | 20.96                 | 29.20            | Complies |
|                                | 5745 MHz  | 19.78                 | 29.20            | Complies |
|                                | 5785 MHz  | 20.95                 | 29.20            | Complies |
|                                | 5825 MHz  | 20.12                 | 29.20            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 20.95                 | 29.20            | Complies |
|                                | 5200 MHz  | 20.97                 | 29.20            | Complies |
|                                | 5240 MHz  | 20.94                 | 29.20            | Complies |
|                                | 5745 MHz  | 19.52                 | 29.20            | Complies |
|                                | 5785 MHz  | 20.91                 | 29.20            | Complies |
|                                | 5825 MHz  | 20.08                 | 29.20            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 18.94                 | 29.20            | Complies |
|                                | 5230 MHz  | 20.99                 | 29.20            | Complies |
|                                | 5755 MHz  | 18.02                 | 29.20            | Complies |
|                                | 5795 MHz  | 19.44                 | 29.20            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 18.78                 | 29.20            | Complies |
|                                | 5775 MHz  | 18.07                 | 29.20            | Complies |

Note: Antenna gain=6.80dBi > 6dBi, so the limit  $30-(6.80-6)=29.20$ dBm.



|               |                                                                          |           |               |
|---------------|--------------------------------------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                                                     | Humidity  | 46%           |
| Test Engineer | Eddie Weng                                                               | Test Date | Oct. 28, 2015 |
| Test Mode     | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX) |           |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Total |                  |          |
| 802.11a                        | 5180 MHz  | 19.87                 | 20.81   | 23.38 | 29.20            | Complies |
|                                | 5200 MHz  | 19.17                 | 20.78   | 23.06 | 29.20            | Complies |
|                                | 5240 MHz  | 19.44                 | 20.93   | 23.26 | 29.20            | Complies |
|                                | 5745 MHz  | 18.21                 | 17.99   | 21.11 | 29.20            | Complies |
|                                | 5785 MHz  | 20.88                 | 20.53   | 23.72 | 29.20            | Complies |
|                                | 5825 MHz  | 20.52                 | 20.33   | 23.44 | 29.20            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 19.56                 | 20.97   | 23.33 | 29.20            | Complies |
|                                | 5200 MHz  | 19.33                 | 20.86   | 23.17 | 29.20            | Complies |
|                                | 5240 MHz  | 19.34                 | 20.93   | 23.22 | 29.20            | Complies |
|                                | 5745 MHz  | 17.52                 | 17.26   | 20.40 | 29.20            | Complies |
|                                | 5785 MHz  | 20.69                 | 20.41   | 23.56 | 29.20            | Complies |
|                                | 5825 MHz  | 19.72                 | 19.62   | 22.68 | 29.20            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 17.83                 | 17.76   | 20.81 | 29.20            | Complies |
|                                | 5230 MHz  | 20.59                 | 20.82   | 23.72 | 29.20            | Complies |
|                                | 5755 MHz  | 14.97                 | 15.76   | 18.39 | 29.20            | Complies |
|                                | 5795 MHz  | 18.35                 | 19.66   | 22.06 | 29.20            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 15.69                 | 17.35   | 19.61 | 29.20            | Complies |
|                                | 5775 MHz  | 13.85                 | 15.44   | 17.73 | 29.20            | Complies |

Note: Antenna gain=6.80dBi > 6dBi, so the limit  $30-(6.80-6)=29.20$ dBm.

|               |                                                                                           |           |               |
|---------------|-------------------------------------------------------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                                                                      | Humidity  | 46%           |
| Test Engineer | Lucas Huang                                                                               | Test Date | Oct. 28, 2015 |
| Test Mode     | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX) |           |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Total |                  |          |
| 802.11a                        | 5180 MHz  | 19.53                 | 20.54   | 19.53   | 24.66 | 29.20            | Complies |
|                                | 5200 MHz  | 19.26                 | 20.51   | 19.54   | 24.57 | 29.20            | Complies |
|                                | 5240 MHz  | 19.68                 | 20.39   | 19.63   | 24.69 | 29.20            | Complies |
|                                | 5745 MHz  | 17.33                 | 17.22   | 18.46   | 22.48 | 29.20            | Complies |
|                                | 5785 MHz  | 19.16                 | 19.07   | 20.98   | 24.60 | 29.20            | Complies |
|                                | 5825 MHz  | 18.11                 | 18.25   | 19.86   | 23.59 | 29.20            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 18.24                 | 19.57   | 19.10   | 23.78 | 29.20            | Complies |
|                                | 5200 MHz  | 19.12                 | 20.67   | 19.68   | 24.64 | 29.20            | Complies |
|                                | 5240 MHz  | 19.36                 | 20.74   | 19.36   | 24.64 | 29.20            | Complies |
|                                | 5745 MHz  | 16.76                 | 16.44   | 18.29   | 22.01 | 29.20            | Complies |
|                                | 5785 MHz  | 19.45                 | 19.26   | 20.99   | 24.74 | 29.20            | Complies |
|                                | 5825 MHz  | 17.99                 | 18.08   | 19.36   | 23.29 | 29.20            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 17.49                 | 17.58   | 18.23   | 22.55 | 29.20            | Complies |
|                                | 5230 MHz  | 19.93                 | 20.24   | 20.98   | 25.18 | 29.20            | Complies |
|                                | 5755 MHz  | 13.65                 | 14.74   | 13.78   | 18.86 | 29.20            | Complies |
|                                | 5795 MHz  | 17.49                 | 19.08   | 17.91   | 22.98 | 29.20            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 15.41                 | 16.79   | 15.36   | 20.68 | 29.20            | Complies |
|                                | 5775 MHz  | 12.41                 | 13.95   | 13.26   | 18.02 | 29.20            | Complies |

Note: Antenna gain=6.80dBi > 6dBi, so the limit 30-(6.80-6)=29.20dBm.

|               |                                                                                                            |           |               |
|---------------|------------------------------------------------------------------------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                                                                                       | Humidity  | 46%           |
| Test Engineer | Lucas Huang                                                                                                | Test Date | Oct. 28, 2015 |
| Test Mode     | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX) |           |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Chain 4 | Total |                  |          |
| 802.11a                        | 5180 MHz  | 17.12                 | 18.32   | 17.54   | 17.82   | 23.74 | 29.20            | Complies |
|                                | 5200 MHz  | 16.74                 | 18.63   | 17.58   | 17.93   | 23.79 | 29.20            | Complies |
|                                | 5240 MHz  | 16.72                 | 18.36   | 17.46   | 17.93   | 23.68 | 29.20            | Complies |
|                                | 5745 MHz  | 15.02                 | 15.08   | 16.74   | 16.96   | 22.06 | 29.20            | Complies |
|                                | 5785 MHz  | 19.37                 | 19.22   | 20.87   | 20.98   | 26.21 | 29.20            | Complies |
|                                | 5825 MHz  | 16.71                 | 16.77   | 18.35   | 18.71   | 23.75 | 29.20            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 17.13                 | 17.39   | 17.76   | 17.74   | 23.53 | 29.20            | Complies |
|                                | 5200 MHz  | 16.72                 | 18.34   | 17.69   | 17.93   | 23.73 | 29.20            | Complies |
|                                | 5240 MHz  | 16.74                 | 17.23   | 17.48   | 18.23   | 23.47 | 29.20            | Complies |
|                                | 5745 MHz  | 15.89                 | 15.81   | 17.14   | 17.49   | 22.67 | 29.20            | Complies |
|                                | 5785 MHz  | 19.29                 | 19.67   | 20.94   | 20.99   | 26.31 | 29.20            | Complies |
|                                | 5825 MHz  | 16.76                 | 16.44   | 18.21   | 18.06   | 23.46 | 29.20            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 16.92                 | 17.55   | 18.42   | 18.33   | 23.87 | 29.20            | Complies |
|                                | 5230 MHz  | 19.41                 | 19.75   | 20.91   | 20.97   | 26.34 | 29.20            | Complies |
|                                | 5755 MHz  | 13.18                 | 13.94   | 13.07   | 15.18   | 19.95 | 29.20            | Complies |
|                                | 5795 MHz  | 15.46                 | 16.86   | 15.94   | 17.32   | 22.48 | 29.20            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 17.01                 | 18.02   | 16.09   | 17.52   | 23.24 | 29.20            | Complies |
|                                | 5775 MHz  | 11.72                 | 13.22   | 12.67   | 13.12   | 18.74 | 29.20            | Complies |

Note: Antenna gain=6.80dBi > 6dBi, so the limit  $30-(6.80-6)=29.20$ dBm.

|               |                                                         |           |               |
|---------------|---------------------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                                    | Humidity  | 46%           |
| Test Engineer | Eddie Weng                                              | Test Date | Nov. 29, 2015 |
| Test Mode     | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX) |           |               |

For outdoor use

| Mode                           | Frequency | Conducted Power (dBm) | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|------------------|----------|
|                                |           | Chain 1               |                  |          |
| 802.11a                        | 5180 MHz  | 17.57                 | 30.00            | Complies |
|                                | 5200 MHz  | 17.54                 | 30.00            | Complies |
|                                | 5240 MHz  | 17.53                 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 17.42                 | 30.00            | Complies |
|                                | 5200 MHz  | 17.48                 | 30.00            | Complies |
|                                | 5240 MHz  | 17.45                 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 17.41                 | 30.00            | Complies |
|                                | 5230 MHz  | 17.31                 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 17.49                 | 30.00            | Complies |

|                      |                                                                          |                  |               |
|----------------------|--------------------------------------------------------------------------|------------------|---------------|
| <b>Temperature</b>   | 25°C                                                                     | <b>Humidity</b>  | 46%           |
| <b>Test Engineer</b> | Eddie Weng                                                               | <b>Test Date</b> | Nov. 29, 2015 |
| <b>Test Mode</b>     | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX) |                  |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Total |                  |          |
| 802.11a                        | 5180 MHz  | 13.48                 | 15.29   | 17.49 | 30.00            | Complies |
|                                | 5200 MHz  | 13.33                 | 15.08   | 17.30 | 30.00            | Complies |
|                                | 5240 MHz  | 13.54                 | 15.22   | 17.47 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 13.44                 | 15.38   | 17.53 | 30.00            | Complies |
|                                | 5200 MHz  | 13.21                 | 15.12   | 17.28 | 30.00            | Complies |
|                                | 5240 MHz  | 13.47                 | 15.27   | 17.47 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 14.03                 | 14.98   | 17.54 | 30.00            | Complies |
|                                | 5230 MHz  | 14.13                 | 14.71   | 17.44 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 13.30                 | 15.21   | 17.37 | 30.00            | Complies |



|                      |                                                                                           |                  |               |
|----------------------|-------------------------------------------------------------------------------------------|------------------|---------------|
| <b>Temperature</b>   | 25°C                                                                                      | <b>Humidity</b>  | 46%           |
| <b>Test Engineer</b> | Lucas Huang                                                                               | <b>Test Date</b> | Nov. 29, 2015 |
| <b>Test Mode</b>     | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX) |                  |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Total |                  |          |
| 802.11a                        | 5180 MHz  | 11.57                 | 13.46   | 12.94   | 17.50 | 30.00            | Complies |
|                                | 5200 MHz  | 11.29                 | 13.59   | 12.91   | 17.47 | 30.00            | Complies |
|                                | 5240 MHz  | 11.54                 | 13.41   | 12.82   | 17.43 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 11.52                 | 13.18   | 12.90   | 17.36 | 30.00            | Complies |
|                                | 5200 MHz  | 11.42                 | 13.08   | 13.09   | 17.37 | 30.00            | Complies |
|                                | 5240 MHz  | 11.63                 | 13.22   | 12.81   | 17.38 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 11.56                 | 12.34   | 13.46   | 17.30 | 30.00            | Complies |
|                                | 5230 MHz  | 11.95                 | 12.54   | 13.21   | 17.37 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 11.52                 | 13.46   | 12.13   | 17.22 | 30.00            | Complies |

|               |                                                                                                            |           |               |
|---------------|------------------------------------------------------------------------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                                                                                       | Humidity  | 46%           |
| Test Engineer | Lucas Huang                                                                                                | Test Date | Nov. 29, 2015 |
| Test Mode     | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX) |           |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Chain 4 | Total |                  |          |
| 802.11a                        | 5180 MHz  | 10.88                 | 12.17   | 11.57   | 11.26   | 17.52 | 30.00            | Complies |
|                                | 5200 MHz  | 10.42                 | 11.86   | 11.56   | 11.13   | 17.30 | 30.00            | Complies |
|                                | 5240 MHz  | 10.97                 | 12.26   | 11.61   | 11.23   | 17.57 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 10.84                 | 12.08   | 11.58   | 11.09   | 17.44 | 30.00            | Complies |
|                                | 5200 MHz  | 10.74                 | 11.83   | 11.58   | 11.24   | 17.39 | 30.00            | Complies |
|                                | 5240 MHz  | 10.97                 | 12.20   | 11.62   | 11.21   | 17.55 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 10.23                 | 10.92   | 12.12   | 11.47   | 17.26 | 30.00            | Complies |
|                                | 5230 MHz  | 10.82                 | 11.34   | 12.07   | 11.36   | 17.44 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 10.44                 | 12.42   | 9.84    | 12.13   | 17.36 | 30.00            | Complies |

### For Beamforming Mode

|               |                                               |           |               |
|---------------|-----------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                          | Humidity  | 46%           |
| Test Engineer | Lucas Huang                                   | Test Date | Oct. 28, 2018 |
| Test Mode     | Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX) |           |               |

### For B1 indoor use / B4 indoor, outdoor use

| Mode                           | Frequency | Conducted Power (dBm) |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Total |                  |          |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 19.56                 | 20.97   | 23.33 | 29.03            | Complies |
|                                | 5200 MHz  | 19.33                 | 20.86   | 23.17 | 29.03            | Complies |
|                                | 5240 MHz  | 19.34                 | 20.93   | 23.22 | 29.03            | Complies |
|                                | 5745 MHz  | 16.75                 | 16.53   | 19.65 | 29.03            | Complies |
|                                | 5785 MHz  | 20.69                 | 20.41   | 23.56 | 29.03            | Complies |
|                                | 5825 MHz  | 19.05                 | 18.64   | 21.86 | 29.03            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 17.18                 | 17.04   | 20.12 | 29.03            | Complies |
|                                | 5230 MHz  | 20.59                 | 20.82   | 23.72 | 29.03            | Complies |
|                                | 5755 MHz  | 13.76                 | 14.67   | 17.25 | 29.03            | Complies |
|                                | 5795 MHz  | 18.72                 | 19.97   | 22.40 | 29.03            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 16.01                 | 17.37   | 19.75 | 29.03            | Complies |
|                                | 5775 MHz  | 14.18                 | 14.92   | 17.58 | 29.03            | Complies |

Note:  $Directional\ Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.97\text{dBi} > 6\text{dBi}$ , so the limit  $30-(6.97-6)=29.03\text{dBm}$ .

|               |                                               |           |               |
|---------------|-----------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                          | Humidity  | 46%           |
| Test Engineer | Lucas Huang                                   | Test Date | Oct. 28, 2018 |
| Test Mode     | Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX) |           |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Total |                  |          |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 17.54                 | 18.81   | 17.96   | 22.91 | 27.27            | Complies |
|                                | 5200 MHz  | 17.38                 | 19.14   | 17.87   | 22.97 | 27.27            | Complies |
|                                | 5240 MHz  | 19.56                 | 20.97   | 19.65   | 24.88 | 27.27            | Complies |
|                                | 5745 MHz  | 14.74                 | 14.53   | 16.31   | 20.04 | 27.27            | Complies |
|                                | 5785 MHz  | 19.45                 | 19.26   | 20.99   | 24.74 | 27.27            | Complies |
|                                | 5825 MHz  | 17.72                 | 17.83   | 19.10   | 23.03 | 27.27            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 16.21                 | 16.27   | 17.01   | 21.28 | 27.27            | Complies |
|                                | 5230 MHz  | 19.93                 | 20.24   | 20.98   | 25.18 | 27.27            | Complies |
|                                | 5755 MHz  | 12.74                 | 13.69   | 12.83   | 17.88 | 27.27            | Complies |
|                                | 5795 MHz  | 16.74                 | 18.26   | 17.23   | 22.23 | 27.27            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 15.74                 | 16.99   | 15.61   | 20.93 | 27.27            | Complies |
|                                | 5775 MHz  | 13.31                 | 14.83   | 14.26   | 18.95 | 27.27            | Complies |

Note:  $Directional\ Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.73\text{dBi} > 6\text{dBi}$ , so the limit  $30-(8.73-6)=27.27\text{dBm}$ .

|               |                                               |           |               |
|---------------|-----------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                          | Humidity  | 46%           |
| Test Engineer | Lucas Huang                                   | Test Date | Oct. 28, 2018 |
| Test Mode     | Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX) |           |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Chain 4 | Total |                  |          |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 13.76                 | 15.01   | 14.28   | 14.29   | 20.38 | 26.02            | Complies |
|                                | 5200 MHz  | 15.38                 | 16.92   | 16.41   | 16.55   | 22.37 | 26.02            | Complies |
|                                | 5240 MHz  | 19.33                 | 20.62   | 19.66   | 20.21   | 26.00 | 26.02            | Complies |
|                                | 5745 MHz  | 14.21                 | 14.23   | 15.52   | 15.74   | 21.00 | 26.02            | Complies |
|                                | 5785 MHz  | 17.58                 | 18.01   | 19.14   | 19.18   | 24.55 | 26.02            | Complies |
|                                | 5825 MHz  | 14.22                 | 14.21   | 16.01   | 15.81   | 21.17 | 26.02            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 16.96                 | 16.61   | 17.61   | 17.64   | 23.25 | 26.02            | Complies |
|                                | 5230 MHz  | 18.99                 | 19.28   | 20.46   | 20.49   | 25.88 | 26.02            | Complies |
|                                | 5755 MHz  | 11.26                 | 12.01   | 11.26   | 13.14   | 18.01 | 26.02            | Complies |
|                                | 5795 MHz  | 15.11                 | 16.20   | 14.84   | 16.79   | 21.83 | 26.02            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 14.69                 | 16.17   | 14.72   | 15.84   | 21.43 | 26.02            | Complies |
|                                | 5775 MHz  | 10.88                 | 13.14   | 11.57   | 11.68   | 17.92 | 26.02            | Complies |

Note:

$$Directional\ Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.98\text{dBi} > 6\text{dBi}, \text{ so the limit } 30 - (9.98 - 6) = 26.02\text{dBm}.$$

|               |                                               |           |               |
|---------------|-----------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                          | Humidity  | 46%           |
| Test Engineer | Lucas Huang                                   | Test Date | Nov. 29, 2015 |
| Test Mode     | Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX) |           |               |

#### For outdoor use

| Mode      | Frequency | Conducted Power (dBm) |         |       | Max. Limit (dBm) | Result   |
|-----------|-----------|-----------------------|---------|-------|------------------|----------|
|           |           | Chain 1               | Chain 2 | Total |                  |          |
| 802.11ac  | 5180 MHz  | 11.75                 | 13.05   | 15.46 | 30.00            | Complies |
| MCS0/Nss1 | 5200 MHz  | 11.72                 | 13.03   | 15.43 | 30.00            | Complies |
| VHT20     | 5240 MHz  | 11.74                 | 13.21   | 15.55 | 30.00            | Complies |
| 802.11ac  | 5190 MHz  | 12.24                 | 12.76   | 15.52 | 30.00            | Complies |
| MCS0/Nss1 | 5230 MHz  | 12.19                 | 13.03   | 15.64 | 30.00            | Complies |
| VHT40     |           |                       |         |       |                  |          |
| 802.11ac  | 5210 MHz  | 11.84                 | 13.14   | 15.55 | 30.00            | Complies |
| MCS0/Nss1 |           |                       |         |       |                  |          |
| VHT80     |           |                       |         |       |                  |          |



|               |                                               |           |               |
|---------------|-----------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                          | Humidity  | 46%           |
| Test Engineer | Lucas Huang                                   | Test Date | Nov. 29, 2015 |
| Test Mode     | Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX) |           |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Total |                  |          |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 8.41                  | 9.15    | 8.98    | 13.63 | 28.89            | Complies |
|                                | 5200 MHz  | 8.55                  | 9.56    | 8.77    | 13.75 | 28.89            | Complies |
|                                | 5240 MHz  | 8.35                  | 9.90    | 8.91    | 13.87 | 28.89            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 8.32                  | 8.95    | 9.80    | 13.84 | 28.89            | Complies |
|                                | 5230 MHz  | 8.63                  | 8.86    | 9.29    | 13.71 | 28.89            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 8.86                  | 9.78    | 8.33    | 13.80 | 28.89            | Complies |

Note:

$$Directional\ Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 7.11\text{dBi} > 6\text{dBi}, \text{ so the limit } 30 - (7.11 - 6) = 28.89\text{dBm}.$$

|               |                                               |           |               |
|---------------|-----------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                          | Humidity  | 46%           |
| Test Engineer | Lucas Huang                                   | Test Date | Nov. 29, 2015 |
| Test Mode     | Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX) |           |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Chain 4 | Total |                  |          |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 5.94                  | 6.94    | 6.01    | 6.35    | 12.35 | 27.64            | Complies |
|                                | 5200 MHz  | 6.14                  | 7.28    | 6.37    | 6.58    | 12.63 | 27.64            | Complies |
|                                | 5240 MHz  | 5.71                  | 7.10    | 6.11    | 6.24    | 12.34 | 27.64            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 5.86                  | 6.34    | 6.62    | 6.98    | 12.49 | 27.64            | Complies |
|                                | 5230 MHz  | 6.03                  | 6.27    | 6.92    | 6.90    | 12.57 | 27.64            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 6.29                  | 7.29    | 5.46    | 7.15    | 12.63 | 27.64            | Complies |

Note:

$$Directional\ Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.36\text{dBi} > 6\text{dBi}, \text{ so the limit } 30 - (8.36 - 6) = 27.64\text{dBm}.$$

|               |                                                                              |           |               |
|---------------|------------------------------------------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                                                         | Humidity  | 46%           |
| Test Engineer | Lucas Huang                                                                  | Test Date | Oct. 28, 2018 |
| Test Mode     | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX) |           |               |

For B1 indoor use / B4 indoor, outdoor use

| Mode                           | Frequency | Conducted Power (dBm) |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Total |                  |          |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 19.56                 | 20.97   | 23.33 | 30.00            | Complies |
|                                | 5200 MHz  | 19.33                 | 20.86   | 23.17 | 30.00            | Complies |
|                                | 5240 MHz  | 19.34                 | 20.93   | 23.22 | 30.00            | Complies |
|                                | 5745 MHz  | 17.76                 | 17.58   | 20.68 | 30.00            | Complies |
|                                | 5785 MHz  | 20.69                 | 20.41   | 23.56 | 30.00            | Complies |
|                                | 5825 MHz  | 20.82                 | 20.42   | 23.63 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 19.01                 | 19.24   | 22.14 | 30.00            | Complies |
|                                | 5230 MHz  | 20.59                 | 20.82   | 23.72 | 30.00            | Complies |
|                                | 5755 MHz  | 14.47                 | 15.39   | 17.96 | 30.00            | Complies |
|                                | 5795 MHz  | 18.64                 | 19.82   | 22.28 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 16.64                 | 18.59   | 20.73 | 30.00            | Complies |
|                                | 5775 MHz  | 13.85                 | 15.44   | 17.73 | 30.00            | Complies |

|               |                                                                              |           |               |
|---------------|------------------------------------------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                                                         | Humidity  | 46%           |
| Test Engineer | Lucas Huang                                                                  | Test Date | Oct. 28, 2018 |
| Test Mode     | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX) |           |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Total |                  |          |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 19.55                 | 20.84   | 19.95   | 24.92 | 30.00            | Complies |
|                                | 5200 MHz  | 19.38                 | 20.99   | 19.84   | 24.90 | 30.00            | Complies |
|                                | 5240 MHz  | 19.56                 | 20.97   | 19.65   | 24.88 | 30.00            | Complies |
|                                | 5745 MHz  | 17.52                 | 17.51   | 18.71   | 22.72 | 30.00            | Complies |
|                                | 5785 MHz  | 19.45                 | 19.26   | 20.99   | 24.74 | 30.00            | Complies |
|                                | 5825 MHz  | 17.42                 | 17.61   | 18.84   | 22.77 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 18.29                 | 18.34   | 19.18   | 23.39 | 30.00            | Complies |
|                                | 5230 MHz  | 19.93                 | 20.24   | 20.98   | 25.18 | 30.00            | Complies |
|                                | 5755 MHz  | 15.23                 | 16.49   | 15.58   | 20.57 | 30.00            | Complies |
|                                | 5795 MHz  | 18.41                 | 19.62   | 18.59   | 23.68 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 16.82                 | 18.04   | 16.91   | 22.06 | 30.00            | Complies |
|                                | 5775 MHz  | 13.83                 | 15.34   | 14.79   | 19.47 | 30.00            | Complies |

|               |                                                                              |           |               |
|---------------|------------------------------------------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                                                         | Humidity  | 46%           |
| Test Engineer | Lucas Huang                                                                  | Test Date | Oct. 28, 2018 |
| Test Mode     | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX) |           |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Chain 4 | Total |                  |          |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 19.12                 | 20.89   | 19.76   | 20.42   | 26.12 | 28.90            | Complies |
|                                | 5200 MHz  | 19.56                 | 20.97   | 20.23   | 20.77   | 26.44 | 28.90            | Complies |
|                                | 5240 MHz  | 19.63                 | 20.92   | 19.96   | 20.51   | 26.30 | 28.90            | Complies |
|                                | 5745 MHz  | 15.26                 | 15.69   | 16.64   | 16.99   | 22.22 | 28.90            | Complies |
|                                | 5785 MHz  | 19.29                 | 19.67   | 20.94   | 20.99   | 26.31 | 28.90            | Complies |
|                                | 5825 MHz  | 16.92                 | 17.02   | 18.34   | 18.61   | 23.81 | 28.90            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 18.96                 | 19.02   | 19.84   | 19.85   | 25.46 | 28.90            | Complies |
|                                | 5230 MHz  | 19.41                 | 19.75   | 20.91   | 20.97   | 26.34 | 28.90            | Complies |
|                                | 5755 MHz  | 12.69                 | 14.22   | 13.26   | 14.85   | 19.86 | 28.90            | Complies |
|                                | 5795 MHz  | 15.66                 | 16.63   | 15.78   | 17.77   | 22.57 | 28.90            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 16.21                 | 17.93   | 16.14   | 17.22   | 22.96 | 28.90            | Complies |
|                                | 5775 MHz  | 13.13                 | 14.44   | 13.98   | 13.88   | 19.90 | 28.90            | Complies |

Note:

$$Directional\ Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 7.10\text{dBi} > 6\text{dBi}, \text{ so the limit } 30 - (7.10 - 6) = 28.90\text{dBm}.$$

|               |                                                                              |           |               |
|---------------|------------------------------------------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                                                         | Humidity  | 46%           |
| Test Engineer | Lucas Huang                                                                  | Test Date | Nov. 29, 2015 |
| Test Mode     | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX) |           |               |

#### For outdoor use

| Mode                           | Frequency | Conducted Power (dBm) |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Total |                  |          |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 14.79                 | 16.11   | 18.51 | 30.00            | Complies |
|                                | 5200 MHz  | 14.69                 | 16.31   | 18.59 | 30.00            | Complies |
|                                | 5240 MHz  | 14.62                 | 16.27   | 18.53 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 15.53                 | 15.51   | 18.53 | 30.00            | Complies |
|                                | 5230 MHz  | 15.33                 | 15.64   | 18.50 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 14.61                 | 16.30   | 18.55 | 30.00            | Complies |



|                      |                                                                              |                  |               |
|----------------------|------------------------------------------------------------------------------|------------------|---------------|
| <b>Temperature</b>   | 25°C                                                                         | <b>Humidity</b>  | 46%           |
| <b>Test Engineer</b> | Lucas Huang                                                                  | <b>Test Date</b> | Nov. 29, 2015 |
| <b>Test Mode</b>     | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX) |                  |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Total |                  |          |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 11.41                 | 12.78   | 12.20   | 16.94 | 30.00            | Complies |
|                                | 5200 MHz  | 11.24                 | 12.83   | 12.56   | 17.03 | 30.00            | Complies |
|                                | 5240 MHz  | 11.44                 | 12.83   | 12.57   | 17.09 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 11.72                 | 12.23   | 12.92   | 17.09 | 30.00            | Complies |
|                                | 5230 MHz  | 11.58                 | 12.02   | 12.83   | 16.95 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 11.75                 | 13.37   | 11.86   | 17.16 | 30.00            | Complies |

|                      |                                                                              |                  |               |
|----------------------|------------------------------------------------------------------------------|------------------|---------------|
| <b>Temperature</b>   | 25°C                                                                         | <b>Humidity</b>  | 46%           |
| <b>Test Engineer</b> | Lucas Huang                                                                  | <b>Test Date</b> | Nov. 29, 2015 |
| <b>Test Mode</b>     | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX) |                  |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Chain 4 | Total |                  |          |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 10.35                 | 11.16   | 10.23   | 10.98   | 16.72 | 30.00            | Complies |
|                                | 5200 MHz  | 10.32                 | 11.21   | 10.54   | 10.47   | 16.67 | 30.00            | Complies |
|                                | 5240 MHz  | 10.33                 | 11.21   | 10.45   | 10.76   | 16.72 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 10.12                 | 10.32   | 11.06   | 11.21   | 16.72 | 30.00            | Complies |
|                                | 5230 MHz  | 10.11                 | 10.13   | 11.09   | 11.31   | 16.71 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 10.06                 | 11.03   | 10.12   | 11.33   | 16.69 | 30.00            | Complies |

|               |                                              |           |               |
|---------------|----------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                         | Humidity  | 46%           |
| Test Engineer | Lucas Huang                                  | Test Date | Oct. 28, 2018 |
| Test Mode     | Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX) |           |               |

For B1 indoor use / B4 indoor, outdoor use

| Mode                           | Frequency | Conducted Power (dBm) |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Total |                  |          |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 19.56                 | 20.97   | 23.33 | 30.00            | Complies |
|                                | 5200 MHz  | 19.33                 | 20.86   | 23.17 | 30.00            | Complies |
|                                | 5240 MHz  | 19.34                 | 20.93   | 23.22 | 30.00            | Complies |
|                                | 5745 MHz  | 17.52                 | 17.26   | 20.40 | 30.00            | Complies |
|                                | 5785 MHz  | 20.69                 | 20.41   | 23.56 | 30.00            | Complies |
|                                | 5825 MHz  | 19.73                 | 19.33   | 22.54 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 17.62                 | 17.54   | 20.59 | 30.00            | Complies |
|                                | 5230 MHz  | 20.59                 | 20.82   | 23.72 | 30.00            | Complies |
|                                | 5755 MHz  | 14.47                 | 15.39   | 17.96 | 30.00            | Complies |
|                                | 5795 MHz  | 18.35                 | 19.66   | 22.06 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 16.21                 | 17.87   | 20.13 | 30.00            | Complies |
|                                | 5775 MHz  | 14.17                 | 15.73   | 18.03 | 30.00            | Complies |

|               |                                              |           |               |
|---------------|----------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                         | Humidity  | 46%           |
| Test Engineer | Lucas Huang                                  | Test Date | Oct. 28, 2018 |
| Test Mode     | Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX) |           |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Total |                  |          |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 18.18                 | 19.74   | 18.65   | 23.68 | 28.57            | Complies |
|                                | 5200 MHz  | 19.38                 | 20.99   | 19.84   | 24.90 | 28.57            | Complies |
|                                | 5240 MHz  | 19.56                 | 20.97   | 19.65   | 24.88 | 28.57            | Complies |
|                                | 5745 MHz  | 16.20                 | 16.28   | 17.55   | 21.49 | 28.57            | Complies |
|                                | 5785 MHz  | 19.45                 | 19.26   | 20.99   | 24.74 | 28.57            | Complies |
|                                | 5825 MHz  | 17.42                 | 17.06   | 18.42   | 22.44 | 28.57            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 16.73                 | 16.85   | 17.54   | 21.83 | 28.57            | Complies |
|                                | 5230 MHz  | 19.93                 | 20.24   | 20.98   | 25.18 | 28.57            | Complies |
|                                | 5755 MHz  | 13.65                 | 14.74   | 13.78   | 18.86 | 28.57            | Complies |
|                                | 5795 MHz  | 17.39                 | 18.88   | 17.81   | 22.84 | 28.57            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 15.94                 | 17.39   | 15.81   | 21.21 | 28.57            | Complies |
|                                | 5775 MHz  | 12.41                 | 13.95   | 13.26   | 18.02 | 28.57            | Complies |

Note:  $Directional\ Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 7.43\text{dBi} > 6\text{dBi}$ , so the limit  $30-(7.43-6)=28.57\text{dBm}$ .

|               |                                              |           |               |
|---------------|----------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                         | Humidity  | 46%           |
| Test Engineer | Lucas Huang                                  | Test Date | Oct. 28, 2018 |
| Test Mode     | Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX) |           |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Chain 4 | Total |                  |          |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 19.12                 | 20.89   | 19.76   | 20.42   | 26.12 | 27.32            | Complies |
|                                | 5200 MHz  | 19.56                 | 20.97   | 20.23   | 20.77   | 26.44 | 27.32            | Complies |
|                                | 5240 MHz  | 19.63                 | 20.92   | 19.96   | 20.51   | 26.30 | 27.32            | Complies |
|                                | 5745 MHz  | 15.68                 | 15.59   | 16.89   | 17.21   | 22.42 | 27.32            | Complies |
|                                | 5785 MHz  | 19.29                 | 19.67   | 20.94   | 20.99   | 26.31 | 27.32            | Complies |
|                                | 5825 MHz  | 16.58                 | 16.47   | 17.72   | 18.08   | 23.29 | 27.32            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 17.20                 | 17.47   | 18.66   | 18.79   | 24.11 | 27.32            | Complies |
|                                | 5230 MHz  | 19.41                 | 19.75   | 20.91   | 20.97   | 26.34 | 27.32            | Complies |
|                                | 5755 MHz  | 11.88                 | 12.48   | 11.73   | 13.66   | 18.53 | 27.32            | Complies |
|                                | 5795 MHz  | 16.07                 | 17.18   | 15.88   | 17.82   | 22.83 | 27.32            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 15.29                 | 16.76   | 15.31   | 16.42   | 22.02 | 27.32            | Complies |
|                                | 5775 MHz  | 11.42                 | 13.72   | 12.17   | 12.33   | 18.51 | 27.32            | Complies |

Note:

$$Directional\ Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.68\text{dBi} > 6\text{dBi}, \text{ so the limit } 30 - (8.68 - 6) = 27.32\text{dBm}.$$

|               |                                              |           |               |
|---------------|----------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                         | Humidity  | 46%           |
| Test Engineer | Lucas Huang                                  | Test Date | Nov. 29, 2015 |
| Test Mode     | Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX) |           |               |

## For outdoor use

| Mode                           | Frequency | Conducted Power (dBm) |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Total |                  |          |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 12.53                 | 13.37   | 15.98 | 30.00            | Complies |
|                                | 5200 MHz  | 12.46                 | 13.65   | 16.11 | 30.00            | Complies |
|                                | 5240 MHz  | 12.31                 | 13.71   | 16.08 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 12.84                 | 13.32   | 16.10 | 30.00            | Complies |
|                                | 5230 MHz  | 12.63                 | 13.14   | 15.90 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 12.36                 | 13.70   | 16.09 | 30.00            | Complies |



|               |                                              |           |               |
|---------------|----------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                         | Humidity  | 46%           |
| Test Engineer | Lucas Huang                                  | Test Date | Nov. 29, 2015 |
| Test Mode     | Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX) |           |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Total |                  |          |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 9.32                  | 9.75    | 9.51    | 14.30 | 29.40            | Complies |
|                                | 5200 MHz  | 8.91                  | 10.38   | 9.25    | 14.33 | 29.40            | Complies |
|                                | 5240 MHz  | 8.96                  | 10.20   | 9.41    | 14.33 | 29.40            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 8.85                  | 8.91    | 10.23   | 14.15 | 29.40            | Complies |
|                                | 5230 MHz  | 9.14                  | 9.28    | 9.72    | 14.16 | 29.40            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 9.37                  | 10.35   | 8.72    | 14.30 | 29.40            | Complies |

Note:

$$Directional\ Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.60\text{dBi} > 6\text{dBi}, \text{ so the limit } 30 - (6.60 - 6) = 29.40\text{dBm}.$$

|               |                                              |           |               |
|---------------|----------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                         | Humidity  | 46%           |
| Test Engineer | Lucas Huang                                  | Test Date | Nov. 29, 2015 |
| Test Mode     | Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX) |           |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Chain 4 | Total |                  |          |
| 802.11ac<br>MCS0/Nss1          | 5180 MHz  | 6.52                  | 7.31    | 6.58    | 6.83    | 12.84 | 28.12            | Complies |
| VHT20                          | 5200 MHz  | 6.30                  | 7.51    | 6.98    | 6.81    | 12.94 | 28.12            | Complies |
|                                | 5240 MHz  | 6.47                  | 7.74    | 6.80    | 7.04    | 13.06 | 28.12            | Complies |
| 802.11ac<br>MCS0/Nss1          | 5190 MHz  | 6.28                  | 6.81    | 7.52    | 7.32    | 13.03 | 28.12            | Complies |
| VHT40                          | 5230 MHz  | 6.52                  | 6.83    | 7.36    | 7.56    | 13.11 | 28.12            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 6.44                  | 7.43    | 5.65    | 7.61    | 12.87 | 28.12            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 7.88 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 30 - (7.88 - 6) = 28.12 \text{dBm}.$$

|               |                                                        |           |               |
|---------------|--------------------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                                   | Humidity  | 46%           |
| Test Engineer | Lucas Huang                                            | Test Date | Oct. 28, 2015 |
| Test Mode     | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX) |           |               |

For B1 indoor use / B4 indoor, outdoor use

| Mode                           | Frequency | Conducted Power (dBm) |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Total |                  |          |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 19.56                 | 20.97   | 23.33 | 30.00            | Complies |
|                                | 5200 MHz  | 19.33                 | 20.86   | 23.17 | 30.00            | Complies |
|                                | 5240 MHz  | 19.34                 | 20.93   | 23.22 | 30.00            | Complies |
|                                | 5745 MHz  | 18.15                 | 17.95   | 21.06 | 30.00            | Complies |
|                                | 5785 MHz  | 20.69                 | 20.41   | 23.56 | 30.00            | Complies |
|                                | 5825 MHz  | 18.08                 | 17.69   | 20.90 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 18.72                 | 19.24   | 22.00 | 30.00            | Complies |
|                                | 5230 MHz  | 20.59                 | 20.82   | 23.72 | 30.00            | Complies |
|                                | 5755 MHz  | 14.47                 | 15.39   | 17.96 | 30.00            | Complies |
|                                | 5795 MHz  | 18.12                 | 19.39   | 21.81 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 16.76                 | 18.36   | 20.64 | 30.00            | Complies |
|                                | 5775 MHz  | 14.17                 | 15.73   | 18.03 | 30.00            | Complies |

|               |                                                        |           |               |
|---------------|--------------------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                                   | Humidity  | 46%           |
| Test Engineer | Lucas Huang                                            | Test Date | Oct. 28, 2015 |
| Test Mode     | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX) |           |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Total |                  |          |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 19.01                 | 20.39   | 19.62   | 24.48 | 30.00            | Complies |
|                                | 5200 MHz  | 19.38                 | 20.99   | 19.84   | 24.90 | 30.00            | Complies |
|                                | 5240 MHz  | 19.56                 | 20.97   | 19.65   | 24.88 | 30.00            | Complies |
|                                | 5745 MHz  | 16.19                 | 16.02   | 18.12   | 21.66 | 30.00            | Complies |
|                                | 5785 MHz  | 19.14                 | 19.03   | 20.72   | 24.47 | 30.00            | Complies |
|                                | 5825 MHz  | 17.24                 | 16.74   | 18.20   | 22.21 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 16.73                 | 16.85   | 17.54   | 21.83 | 30.00            | Complies |
|                                | 5230 MHz  | 19.93                 | 20.24   | 20.98   | 25.18 | 30.00            | Complies |
|                                | 5755 MHz  | 13.14                 | 14.52   | 13.54   | 18.54 | 30.00            | Complies |
|                                | 5795 MHz  | 18.41                 | 19.62   | 18.59   | 23.68 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 15.94                 | 17.39   | 15.81   | 21.21 | 30.00            | Complies |
|                                | 5775 MHz  | 11.27                 | 12.67   | 12.24   | 16.87 | 30.00            | Complies |

|               |                                                        |           |               |
|---------------|--------------------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                                   | Humidity  | 46%           |
| Test Engineer | Lucas Huang                                            | Test Date | Oct. 28, 2015 |
| Test Mode     | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX) |           |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Chain 4 | Total |                  |          |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 18.15                 | 19.92   | 18.72   | 19.45   | 25.13 | 29.10            | Complies |
|                                | 5200 MHz  | 19.56                 | 20.97   | 20.23   | 20.77   | 26.44 | 29.10            | Complies |
|                                | 5240 MHz  | 19.63                 | 20.92   | 19.96   | 20.51   | 26.30 | 29.10            | Complies |
|                                | 5745 MHz  | 15.11                 | 15.33   | 16.31   | 17.02   | 22.03 | 29.10            | Complies |
|                                | 5785 MHz  | 19.29                 | 19.67   | 20.94   | 20.99   | 26.31 | 29.10            | Complies |
|                                | 5825 MHz  | 16.22                 | 16.58   | 17.55   | 18.42   | 23.30 | 29.10            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 17.69                 | 17.75   | 18.52   | 18.39   | 24.12 | 29.10            | Complies |
|                                | 5230 MHz  | 19.41                 | 19.75   | 20.91   | 20.97   | 26.34 | 29.10            | Complies |
|                                | 5755 MHz  | 13.18                 | 13.94   | 13.07   | 15.18   | 19.95 | 29.10            | Complies |
|                                | 5795 MHz  | 15.58                 | 16.49   | 15.01   | 17.32   | 22.21 | 29.10            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 17.01                 | 18.02   | 16.09   | 17.52   | 23.24 | 29.10            | Complies |
|                                | 5775 MHz  | 12.19                 | 13.21   | 12.59   | 13.28   | 18.86 | 29.10            | Complies |

Note:  $\left[ \sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2 \right] = 6.90\text{dBi} > 6\text{dBi}$ , so the limit  $30-(6.90-6)=29.10\text{dBm}$ .

Directional Gain =  $10 \cdot \log$

|               |                                                        |           |               |
|---------------|--------------------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                                   | Humidity  | 46%           |
| Test Engineer | Lucas Huang                                            | Test Date | Nov. 29, 2015 |
| Test Mode     | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX) |           |               |

#### For outdoor use

| Mode      | Frequency | Conducted Power (dBm) |         |       | Max. Limit (dBm) | Result   |
|-----------|-----------|-----------------------|---------|-------|------------------|----------|
|           |           | Chain 1               | Chain 2 | Total |                  |          |
| 802.11ac  | 5180 MHz  | 16.53                 | 17.94   | 20.30 | 30.00            | Complies |
| MCS0/Nss1 | 5200 MHz  | 16.49                 | 18.11   | 20.39 | 30.00            | Complies |
| VHT20     | 5240 MHz  | 16.14                 | 17.89   | 20.11 | 30.00            | Complies |
| 802.11ac  | 5190 MHz  | 17.23                 | 17.49   | 20.37 | 30.00            | Complies |
| MCS0/Nss1 | 5230 MHz  | 17.17                 | 17.57   | 20.38 | 30.00            | Complies |
| VHT40     |           |                       |         |       |                  |          |
| 802.11ac  | 5210 MHz  | 16.31                 | 17.92   | 20.20 | 30.00            | Complies |
| MCS0/Nss1 |           |                       |         |       |                  |          |
| VHT80     |           |                       |         |       |                  |          |



|                      |                                                        |                  |               |
|----------------------|--------------------------------------------------------|------------------|---------------|
| <b>Temperature</b>   | 25°C                                                   | <b>Humidity</b>  | 46%           |
| <b>Test Engineer</b> | Lucas Huang                                            | <b>Test Date</b> | Nov. 29, 2015 |
| <b>Test Mode</b>     | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX) |                  |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Total |                  |          |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 12.98                 | 14.37   | 13.54   | 18.44 | 30.00            | Complies |
|                                | 5200 MHz  | 12.79                 | 14.43   | 13.76   | 18.48 | 30.00            | Complies |
|                                | 5240 MHz  | 12.49                 | 14.32   | 13.67   | 18.33 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 12.48                 | 13.26   | 14.88   | 18.43 | 30.00            | Complies |
|                                | 5230 MHz  | 12.98                 | 13.45   | 14.56   | 18.49 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 12.98                 | 13.89   | 13.86   | 18.37 | 30.00            | Complies |

|               |                                                        |           |               |
|---------------|--------------------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                                   | Humidity  | 46%           |
| Test Engineer | Lucas Huang                                            | Test Date | Nov. 29, 2015 |
| Test Mode     | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX) |           |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Chain 4 | Total |                  |          |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 10.78                 | 11.32   | 11.31   | 11.21   | 17.18 | 30.00            | Complies |
|                                | 5200 MHz  | 10.77                 | 11.45   | 11.46   | 11.25   | 17.26 | 30.00            | Complies |
|                                | 5240 MHz  | 10.87                 | 11.12   | 11.44   | 11.78   | 17.34 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 10.89                 | 11.01   | 11.56   | 11.78   | 17.35 | 30.00            | Complies |
|                                | 5230 MHz  | 10.41                 | 11.06   | 11.43   | 11.13   | 17.04 | 30.00            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 10.74                 | 11.24   | 11.34   | 11.44   | 17.22 | 30.00            | Complies |

|               |                                              |           |               |
|---------------|----------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                         | Humidity  | 46%           |
| Test Engineer | Lucas Huang                                  | Test Date | Oct. 28, 2015 |
| Test Mode     | Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX) |           |               |

#### For indoor use

| Mode                           | Frequency | Conducted Power (dBm) |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Total |                  |          |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 19.56                 | 20.97   | 23.33 | 29.73            | Complies |
|                                | 5200 MHz  | 19.33                 | 20.86   | 23.17 | 29.73            | Complies |
|                                | 5240 MHz  | 19.34                 | 20.93   | 23.22 | 29.73            | Complies |
|                                | 5745 MHz  | 18.39                 | 18.43   | 21.42 | 29.73            | Complies |
|                                | 5785 MHz  | 20.69                 | 20.41   | 23.56 | 29.73            | Complies |
|                                | 5825 MHz  | 19.05                 | 18.64   | 21.86 | 29.73            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 19.01                 | 19.54   | 22.29 | 29.73            | Complies |
|                                | 5230 MHz  | 20.59                 | 20.82   | 23.72 | 29.73            | Complies |
|                                | 5755 MHz  | 15.36                 | 16.79   | 19.14 | 29.73            | Complies |
|                                | 5795 MHz  | 19.01                 | 20.12   | 22.61 | 29.73            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 16.21                 | 17.87   | 20.13 | 29.73            | Complies |
|                                | 5775 MHz  | 14.42                 | 16.04   | 18.32 | 29.73            | Complies |

Note:  $Directional\ Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.27\text{dBi} > 6\text{dBi}$ , so the limit  $30 - (6.27 - 6) = 29.73\text{dBm}$ .

|               |                                              |           |               |
|---------------|----------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                         | Humidity  | 46%           |
| Test Engineer | Lucas Huang                                  | Test Date | Oct. 28, 2015 |
| Test Mode     | Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX) |           |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Total |                  |          |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 19.55                 | 20.84   | 19.95   | 24.92 | 27.97            | Complies |
|                                | 5200 MHz  | 19.38                 | 20.99   | 19.84   | 24.90 | 27.97            | Complies |
|                                | 5240 MHz  | 19.24                 | 20.71   | 19.43   | 24.62 | 27.97            | Complies |
|                                | 5745 MHz  | 16.53                 | 16.27   | 18.32   | 21.91 | 27.97            | Complies |
|                                | 5785 MHz  | 19.45                 | 19.26   | 20.99   | 24.74 | 27.97            | Complies |
|                                | 5825 MHz  | 18.89                 | 18.53   | 19.82   | 23.89 | 27.97            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 17.89                 | 17.87   | 18.71   | 22.95 | 27.97            | Complies |
|                                | 5230 MHz  | 19.93                 | 20.24   | 20.98   | 25.18 | 27.97            | Complies |
|                                | 5755 MHz  | 14.14                 | 15.31   | 14.57   | 19.47 | 27.97            | Complies |
|                                | 5795 MHz  | 17.39                 | 18.88   | 17.81   | 22.84 | 27.97            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 17.02                 | 18.34   | 17.19   | 22.33 | 27.97            | Complies |
|                                | 5775 MHz  | 15.08                 | 15.86   | 15.67   | 20.32 | 27.97            | Complies |

Note:  $Directional\ Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.03\text{dBi} > 6\text{dBi}$ , so the limit  $30 - (8.03 - 6) = 27.97\text{dBm}$ .

|               |                                              |           |               |
|---------------|----------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                         | Humidity  | 46%           |
| Test Engineer | Lucas Huang                                  | Test Date | Oct. 28, 2015 |
| Test Mode     | Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX) |           |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Chain 4 | Total |                  |          |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 19.12                 | 20.89   | 19.76   | 20.42   | 26.12 | 26.72            | Complies |
|                                | 5200 MHz  | 19.56                 | 20.97   | 20.23   | 20.77   | 26.44 | 26.72            | Complies |
|                                | 5240 MHz  | 19.63                 | 20.92   | 19.96   | 20.51   | 26.30 | 26.72            | Complies |
|                                | 5745 MHz  | 15.03                 | 15.13   | 15.92   | 16.84   | 21.81 | 26.72            | Complies |
|                                | 5785 MHz  | 19.29                 | 19.67   | 20.94   | 20.99   | 26.31 | 26.72            | Complies |
|                                | 5825 MHz  | 15.62                 | 15.85   | 17.41   | 17.24   | 22.62 | 26.72            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 19.91                 | 19.98   | 20.89   | 20.82   | 26.44 | 26.72            | Complies |
|                                | 5230 MHz  | 19.41                 | 19.75   | 20.91   | 20.97   | 26.34 | 26.72            | Complies |
|                                | 5755 MHz  | 14.46                 | 13.78   | 12.81   | 14.93   | 20.09 | 26.72            | Complies |
|                                | 5795 MHz  | 15.33                 | 16.69   | 16.84   | 17.82   | 22.78 | 26.72            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 16.92                 | 18.57   | 16.98   | 18.04   | 23.71 | 26.72            | Complies |
|                                | 5775 MHz  | 11.71                 | 13.42   | 12.55   | 12.84   | 18.69 | 26.72            | Complies |

Note:

$$Directional\ Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.28\text{dBi} > 6\text{dBi}, \text{ so the limit } 30 - (9.28 - 6) = 26.72\text{dBm}.$$

|               |                                                                          |           |               |
|---------------|--------------------------------------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                                                     | Humidity  | 46%           |
| Test Engineer | Lucas Huang                                                              | Test Date | Oct. 28, 2015 |
| Test Mode     | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX) |           |               |

For B1 indoor use / B4 indoor, outdoor use

| Mode                           | Frequency | Conducted Power (dBm) |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Total |                  |          |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 19.56                 | 20.97   | 23.33 | 26.24            | Complies |
|                                | 5200 MHz  | 19.33                 | 20.86   | 23.17 | 26.24            | Complies |
|                                | 5240 MHz  | 19.34                 | 20.93   | 23.22 | 26.24            | Complies |
|                                | 5745 MHz  | 17.52                 | 17.26   | 20.40 | 26.24            | Complies |
|                                | 5785 MHz  | 20.69                 | 20.41   | 23.56 | 26.24            | Complies |
|                                | 5825 MHz  | 18.62                 | 18.15   | 21.40 | 26.24            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 16.57                 | 16.37   | 19.48 | 26.24            | Complies |
|                                | 5230 MHz  | 20.59                 | 20.82   | 23.72 | 26.24            | Complies |
|                                | 5755 MHz  | 14.97                 | 15.76   | 18.39 | 26.24            | Complies |
|                                | 5795 MHz  | 17.89                 | 19.14   | 21.57 | 26.24            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 15.69                 | 17.35   | 19.61 | 26.24            | Complies |
|                                | 5775 MHz  | 13.85                 | 15.44   | 17.73 | 26.24            | Complies |

Note:

$$Directional\ Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.76\text{dBi} > 6\text{dBi}, \text{ so the limit } 30 - (9.76 - 6) = 26.24\text{dBm}.$$



|               |                                                                                           |           |               |
|---------------|-------------------------------------------------------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                                                                      | Humidity  | 46%           |
| Test Engineer | Lucas Huang                                                                               | Test Date | Oct. 28, 2015 |
| Test Mode     | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX) |           |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Total |                  |          |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 19.01                 | 20.39   | 19.62   | 24.48 | 24.53            | Complies |
|                                | 5200 MHz  | 18.78                 | 20.41   | 19.36   | 24.34 | 24.53            | Complies |
|                                | 5240 MHz  | 19.06                 | 20.47   | 19.15   | 24.38 | 24.53            | Complies |
|                                | 5745 MHz  | 16.02                 | 15.78   | 17.54   | 21.29 | 24.53            | Complies |
|                                | 5785 MHz  | 17.63                 | 17.57   | 18.24   | 22.60 | 24.53            | Complies |
|                                | 5825 MHz  | 16.98                 | 16.49   | 17.93   | 21.95 | 24.53            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 14.54                 | 14.66   | 15.29   | 19.61 | 24.53            | Complies |
|                                | 5230 MHz  | 18.46                 | 18.89   | 19.43   | 23.72 | 24.53            | Complies |
|                                | 5755 MHz  | 13.65                 | 14.74   | 13.78   | 18.86 | 24.53            | Complies |
|                                | 5795 MHz  | 16.52                 | 18.14   | 16.94   | 22.03 | 24.53            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 14.96                 | 15.74   | 14.67   | 19.92 | 24.53            | Complies |
|                                | 5775 MHz  | 12.41                 | 13.95   | 13.26   | 18.02 | 24.53            | Complies |

Note:

$$Directional\ Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 11.47\text{dBi} > 6\text{dBi}, \text{ so the limit } 30 - (11.47 - 6) = 24.53\text{dBm}.$$

|               |                                                                                                            |           |               |
|---------------|------------------------------------------------------------------------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                                                                                       | Humidity  | 46%           |
| Test Engineer | Lucas Huang                                                                                                | Test Date | Oct. 28, 2015 |
| Test Mode     | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX) |           |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Chain 4 | Total |                  |          |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 15.21                 | 16.47   | 15.81   | 15.83   | 21.87 | 23.47            | Complies |
|                                | 5200 MHz  | 16.24                 | 17.96   | 17.35   | 17.46   | 23.32 | 23.47            | Complies |
|                                | 5240 MHz  | 16.21                 | 17.75   | 17.11   | 17.85   | 23.30 | 23.47            | Complies |
|                                | 5745 MHz  | 15.43                 | 15.39   | 16.72   | 17.02   | 22.22 | 23.47            | Complies |
|                                | 5785 MHz  | 16.42                 | 16.79   | 18.12   | 17.95   | 23.40 | 23.47            | Complies |
|                                | 5825 MHz  | 16.53                 | 16.21   | 18.00   | 17.81   | 23.23 | 23.47            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 13.52                 | 14.14   | 15.01   | 14.95   | 20.47 | 23.47            | Complies |
|                                | 5230 MHz  | 16.71                 | 16.75   | 17.86   | 18.02   | 23.40 | 23.47            | Complies |
|                                | 5755 MHz  | 12.98                 | 13.72   | 12.86   | 14.98   | 19.74 | 23.47            | Complies |
|                                | 5795 MHz  | 14.28                 | 15.66   | 14.72   | 16.05   | 21.26 | 23.47            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 14.53                 | 15.58   | 13.66   | 15.16   | 20.81 | 23.47            | Complies |
|                                | 5775 MHz  | 11.99                 | 13.01   | 12.55   | 12.95   | 18.66 | 23.47            | Complies |

Note:

$$Directional\ Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.53\text{dBi} > 6\text{dBi}, \text{ so the limit } 30 - (12.53 - 6) = 23.47\text{dBm}.$$

|               |                                                                          |           |               |
|---------------|--------------------------------------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                                                     | Humidity  | 46%           |
| Test Engineer | Lucas Huang                                                              | Test Date | Nov. 29, 2015 |
| Test Mode     | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX) |           |               |

For outdoor use

| Mode      | Frequency | Conducted Power (dBm) |         |       | Max. Limit (dBm) | Result   |
|-----------|-----------|-----------------------|---------|-------|------------------|----------|
|           |           | Chain 1               | Chain 2 | Total |                  |          |
| 802.11ac  | 5180 MHz  | 10.57                 | 12.27   | 14.51 | 29.59            | Complies |
| MCS0/Nss1 | 5200 MHz  | 10.36                 | 12.08   | 14.31 | 29.59            | Complies |
| VHT20     | 5240 MHz  | 10.87                 | 12.07   | 14.52 | 29.59            | Complies |
| 802.11ac  | 5190 MHz  | 11.18                 | 11.83   | 14.53 | 29.59            | Complies |
| MCS0/Nss1 | 5230 MHz  | 11.15                 | 11.87   | 14.54 | 29.59            | Complies |
| VHT40     |           |                       |         |       |                  |          |
| 802.11ac  | 5210 MHz  | 10.34                 | 12.48   | 14.55 | 29.59            | Complies |
| MCS0/Nss1 |           |                       |         |       |                  |          |
| VHT80     |           |                       |         |       |                  |          |

Note:

$$Directional\ Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.41\text{dBi} > 6\text{dBi}, \text{ so the limit } 30 - (6.41 - 6) = 29.59\text{dBm}.$$

|               |                                                                                           |           |               |
|---------------|-------------------------------------------------------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                                                                      | Humidity  | 46%           |
| Test Engineer | Lucas Huang                                                                               | Test Date | Nov. 29, 2015 |
| Test Mode     | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX) |           |               |

| Mode                           | Frequency | Conducted Power (dBm) |         |         |       | Max. Limit (dBm) | Result   |
|--------------------------------|-----------|-----------------------|---------|---------|-------|------------------|----------|
|                                |           | Chain 1               | Chain 2 | Chain 3 | Total |                  |          |
| 802.11ac<br>MCS0/Nss1<br>VHT20 | 5180 MHz  | 6.95                  | 8.63    | 8.04    | 12.70 | 27.83            | Complies |
|                                | 5200 MHz  | 6.79                  | 8.43    | 8.41    | 12.71 | 27.83            | Complies |
|                                | 5240 MHz  | 7.31                  | 8.32    | 7.81    | 12.60 | 27.83            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT40 | 5190 MHz  | 7.12                  | 7.64    | 8.37    | 12.51 | 27.83            | Complies |
|                                | 5230 MHz  | 6.92                  | 7.61    | 8.63    | 12.55 | 27.83            | Complies |
| 802.11ac<br>MCS0/Nss1<br>VHT80 | 5210 MHz  | 7.69                  | 8.56    | 7.28    | 12.65 | 27.83            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.17 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 30 - (8.17 - 6) = 27.83 \text{dBm}.$$

|               |                                                                                                            |           |               |
|---------------|------------------------------------------------------------------------------------------------------------|-----------|---------------|
| Temperature   | 25°C                                                                                                       | Humidity  | 46%           |
| Test Engineer | Lucas Huang                                                                                                | Test Date | Nov. 29, 2015 |
| Test Mode     | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX) |           |               |

| Mode      | Frequency | Conducted Power (dBm) |         |         |         |       | Max. Limit (dBm) | Result   |
|-----------|-----------|-----------------------|---------|---------|---------|-------|------------------|----------|
|           |           | Chain 1               | Chain 2 | Chain 3 | Chain 4 | Total |                  |          |
| 802.11ac  | 5180 MHz  | 4.55                  | 6.24    | 5.67    | 4.91    | 11.41 | 27.64            | Complies |
| MCS0/Nss1 | 5200 MHz  | 4.62                  | 5.83    | 5.64    | 4.82    | 11.28 | 27.64            | Complies |
| VHT20     | 5240 MHz  | 4.89                  | 5.79    | 5.54    | 4.91    | 11.32 | 27.64            | Complies |
| 802.11ac  | 5190 MHz  | 4.16                  | 5.05    | 6.28    | 5.51    | 11.34 | 27.64            | Complies |
| MCS0/Nss1 | 5230 MHz  | 4.56                  | 4.85    | 5.98    | 5.33    | 11.23 | 27.64            | Complies |
| VHT40     |           |                       |         |         |         |       |                  |          |
| 802.11ac  | 5210 MHz  | 4.73                  | 5.87    | 4.14    | 5.65    | 11.17 | 27.64            | Complies |
| MCS0/Nss1 |           |                       |         |         |         |       |                  |          |
| VHT80     |           |                       |         |         |         |       |                  |          |

Note:

$$Directional\ Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.36\text{dBi} > 6\text{dBi}, \text{ so the limit } 30 - (8.36 - 6) = 27.64\text{dBm}.$$

## 4.5. Power Spectral Density Measurement

### 4.5.1. Limit

The following table is power spectral density limits and decrease power density limit rule refer to section 4.4.1.

| Frequency Band                      |                                    | Limit         |
|-------------------------------------|------------------------------------|---------------|
| <input checked="" type="checkbox"/> | 5.15~5.25 GHz                      |               |
|                                     | Operating Mode                     |               |
| <input checked="" type="checkbox"/> | Outdoor access point               | 17 dBm/MHz    |
| <input checked="" type="checkbox"/> | Indoor access point                | 17 dBm/MHz    |
| <input type="checkbox"/>            | Fixed point-to-point access points | 17 dBm/MHz    |
| <input type="checkbox"/>            | Mobile and portable client devices | 11 dBm/MHz    |
| <input checked="" type="checkbox"/> | 5.725~5.85 GHz                     | 30 dBm/500kHz |

### 4.5.2. Measuring Instruments and Setting

Please refer to section 5 of equipments list in this report. The following table is the setting of the spectrum analyzer.

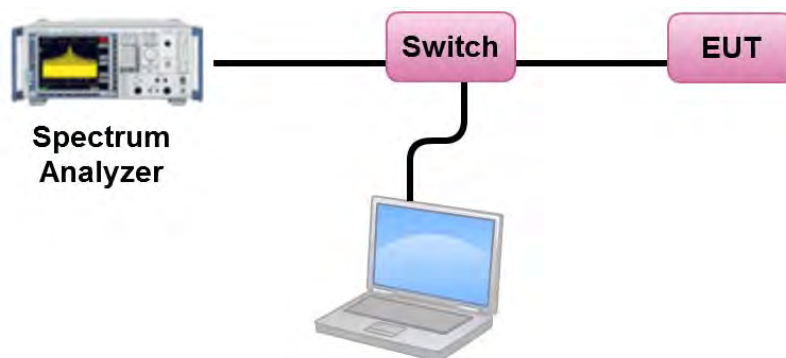
| Spectrum Parameter                                                                                                                                                                                                                                    | Setting                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| Attenuation                                                                                                                                                                                                                                           | Auto                                                         |
| Span Frequency                                                                                                                                                                                                                                        | Encompass the entire emissions bandwidth (EBW) of the signal |
| RBW                                                                                                                                                                                                                                                   | 1000 kHz                                                     |
| VBW                                                                                                                                                                                                                                                   | 3000 kHz                                                     |
| Detector                                                                                                                                                                                                                                              | RMS                                                          |
| Trace                                                                                                                                                                                                                                                 | AVERAGE                                                      |
| Sweep Time                                                                                                                                                                                                                                            | Auto                                                         |
| Trace Average                                                                                                                                                                                                                                         | 100 times                                                    |
| Note: If measurement bandwidth of Maximum PSD is specified in 500 kHz, add $10\log(500\text{kHz}/\text{RBW})$ to the measured result, whereas RBW ( $< 500$ kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement. |                                                              |



#### 4.5.3. Test Procedures

1. The transmitter output (antenna port) was connected RF switch to the spectrum analyzer.
2. Test was performed in accordance with KDB789033 D02 v02r01 for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - section (F) Maximum Power Spectral Density (PSD).
3. Multiple antenna systems was performed in accordance **KDB662911 D01 v02r01** in-Band Power Spectral Density (PSD) Measurements (a) Measure and sum the spectra across the outputs.
4. When measuring first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3 and so on up to the Nth output to obtain the value for the first frequency bin of the summed spectrum. The summed spectrum value for each of the other frequency bins is computed in the same way.
5. For 5.725~5.85 GHz, the measured result of PSD level must add  $10\log(500\text{kHz}/\text{RBW})$  and the final result should  $\leq 30$  dBm.

#### 4.5.4. Test Setup Layout



#### 4.5.5. Test Deviation

There is no deviation with the original standard.

#### 4.5.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

#### 4.5.7. Test Result of Power Spectral Density

##### For Non-Beamforming Mode

|               |                                               |          |     |
|---------------|-----------------------------------------------|----------|-----|
| Temperature   | 25°C                                          | Humidity | 46% |
| Test Engineer | Eddie Weng                                    |          |     |
| Test Mode     | Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX) |          |     |

##### For indoor / outdoor use

##### Configuration IEEE 802.11a / Chain 1

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 7.52                    | 17.00                | Complies |
| 40      | 5200 MHz  | 7.53                    | 17.00                | Complies |
| 48      | 5240 MHz  | 7.68                    | 17.00                | Complies |

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 7.10                    | -3.01                         | 4.09                       | 30.00                            | Complies |
| 157     | 5785 MHz  | 7.56                    | -3.01                         | 4.55                       | 30.00                            | Complies |
| 165     | 5825 MHz  | 8.00                    | -3.01                         | 4.99                       | 30.00                            | Complies |

##### Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 7.57                    | 17.00                | Complies |
| 40      | 5200 MHz  | 7.74                    | 17.00                | Complies |
| 48      | 5240 MHz  | 7.64                    | 17.00                | Complies |

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 6.70                    | -3.01                         | 3.69                       | 30.00                            | Complies |
| 157     | 5785 MHz  | 7.54                    | -3.01                         | 4.53                       | 30.00                            | Complies |
| 165     | 5825 MHz  | 7.53                    | -3.01                         | 4.52                       | 30.00                            | Complies |

**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 4.85                    | 17.00                | Complies |
| 46      | 5230 MHz  | 4.64                    | 17.00                | Complies |

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 2.96                    | -3.01                         | -0.05                      | 30.00                            | Complies |
| 159     | 5795 MHz  | 2.46                    | -3.01                         | -0.55                      | 30.00                            | Complies |

**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 1.75                    | 17.00                | Complies |

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | -0.74                   | -3.01                         | -3.75                      | 30.00                            | Complies |

|               |                                               |          |     |
|---------------|-----------------------------------------------|----------|-----|
| Temperature   | 25°C                                          | Humidity | 46% |
| Test Engineer | Eddie Weng                                    |          |     |
| Test Mode     | Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX) |          |     |

#### Configuration IEEE 802.11a / Chain 1 + Chain 2

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 9.92                    | 16.03                | Complies |
| 40      | 5200 MHz  | 9.82                    | 16.03                | Complies |
| 48      | 5240 MHz  | 9.97                    | 16.03                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.97 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (6.97 - 6) = 16.03 \text{ dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 8.02                    | -3.01                         | 5.01                       | 29.03                            | Complies |
| 157     | 5785 MHz  | 10.59                   | -3.01                         | 7.58                       | 29.03                            | Complies |
| 165     | 5825 MHz  | 10.42                   | -3.01                         | 7.41                       | 29.03                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.97 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (6.97 - 6) = 29.03 \text{ dBm/500kHz}.$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 10.22                   | 16.03                | Complies |
| 40      | 5200 MHz  | 10.02                   | 16.03                | Complies |
| 48      | 5240 MHz  | 10.05                   | 16.03                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.97 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (6.97 - 6) = 16.03 \text{ dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 7.92                    | -3.01                         | 4.91                       | 29.03                            | Complies |
| 157     | 5785 MHz  | 10.48                   | -3.01                         | 7.47                       | 29.03                            | Complies |
| 165     | 5825 MHz  | 9.96                    | -3.01                         | 6.95                       | 29.03                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.97 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (6.97 - 6) = 29.03 \text{ dBm/500kHz}.$$
**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 6.87                    | 16.03                | Complies |
| 46      | 5230 MHz  | 7.66                    | 16.03                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.97 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (6.97 - 6) = 16.03 \text{ dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 2.47                    | -3.01                         | -0.54                      | 29.03                            | Complies |
| 159     | 5795 MHz  | 7.34                    | -3.01                         | 4.33                       | 29.03                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.97 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (6.97 - 6) = 29.03 \text{ dBm/500kHz}.$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 2.04                    | 16.03                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.97 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (6.97 - 6) = 16.03 \text{ dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | -1.50                   | -3.01                         | -4.51                      | 29.03                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.97 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (6.97 - 6) = 29.03 \text{ dBm/500kHz}.$$



|               |                                               |          |     |
|---------------|-----------------------------------------------|----------|-----|
| Temperature   | 25°C                                          | Humidity | 46% |
| Test Engineer | Eddie Weng                                    |          |     |
| Test Mode     | Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX) |          |     |

#### Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 11.71                   | 14.27                | Complies |
| 40      | 5200 MHz  | 12.25                   | 14.27                | Complies |
| 48      | 5240 MHz  | 12.12                   | 14.27                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.73 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 17 - (8.73 - 6) = 14.27 \text{dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 8.72                    | -3.01                         | 5.71                       | 27.27                            | Complies |
| 157     | 5785 MHz  | 11.90                   | -3.01                         | 8.89                       | 27.27                            | Complies |
| 165     | 5825 MHz  | 10.67                   | -3.01                         | 7.66                       | 27.27                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.73 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 30 - (8.73 - 6) = 27.27 \text{dBm/500kHz}.$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 11.95                   | 14.27                | Complies |
| 40      | 5200 MHz  | 12.12                   | 14.27                | Complies |
| 48      | 5240 MHz  | 11.62                   | 14.27                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.73 \text{ dBi} > 6 \text{ dBi, so the limit } 17 - (8.73 - 6) = 14.27 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 8.96                    | -3.01                         | 5.95                       | 27.27                            | Complies |
| 157     | 5785 MHz  | 11.68                   | -3.01                         | 8.67                       | 27.27                            | Complies |
| 165     | 5825 MHz  | 11.11                   | -3.01                         | 8.10                       | 27.27                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.73 \text{ dBi} > 6 \text{ dBi, so the limit } 30 - (8.73 - 6) = 27.27 \text{ dBm/500kHz.}$$
**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 8.15                    | 14.27                | Complies |
| 46      | 5230 MHz  | 9.33                    | 14.27                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.73 \text{ dBi} > 6 \text{ dBi, so the limit } 17 - (8.73 - 6) = 14.27 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 4.36                    | -3.01                         | 1.35                       | 27.27                            | Complies |
| 159     | 5795 MHz  | 7.28                    | -3.01                         | 4.27                       | 27.27                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.73 \text{ dBi} > 6 \text{ dBi, so the limit } 30 - (8.73 - 6) = 27.27 \text{ dBm/500kHz.}$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 3.40                    | 14.27                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.73 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (8.73 - 6) = 14.27 \text{ dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | -0.01                   | -3.01                         | -3.02                      | 27.27                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.73 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (8.73 - 6) = 27.27 \text{ dBm/500kHz}.$$

|               |                                               |          |     |
|---------------|-----------------------------------------------|----------|-----|
| Temperature   | 25°C                                          | Humidity | 46% |
| Test Engineer | Eddie Weng                                    |          |     |
| Test Mode     | Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX) |          |     |

#### Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 12.95                   | 13.02                | Complies |
| 40      | 5200 MHz  | 12.85                   | 13.02                | Complies |
| 48      | 5240 MHz  | 12.92                   | 13.02                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.98 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 17 - (9.98 - 6) = 13.02 \text{dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 13.29                   | -3.01                         | 10.28                      | 26.02                            | Complies |
| 157     | 5785 MHz  | 13.36                   | -3.01                         | 10.35                      | 26.02                            | Complies |
| 165     | 5825 MHz  | 12.01                   | -3.01                         | 9.00                       | 26.02                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.98 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 30 - (9.98 - 6) = 26.02 \text{dBm/500kHz}.$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 12.78                   | 13.02                | Complies |
| 40      | 5200 MHz  | 12.97                   | 13.02                | Complies |
| 48      | 5240 MHz  | 12.95                   | 13.02                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.98 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (9.98 - 6) = 13.02 \text{ dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 9.07                    | -3.01                         | 6.06                       | 26.02                            | Complies |
| 157     | 5785 MHz  | 13.15                   | -3.01                         | 10.14                      | 26.02                            | Complies |
| 165     | 5825 MHz  | 11.35                   | -3.01                         | 8.34                       | 26.02                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.98 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (9.98 - 6) = 26.02 \text{ dBm/500kHz}.$$
**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 8.65                    | 13.02                | Complies |
| 46      | 5230 MHz  | 10.19                   | 13.02                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.98 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (9.98 - 6) = 13.02 \text{ dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 3.35                    | -3.01                         | 0.34                       | 26.02                            | Complies |
| 159     | 5795 MHz  | 7.60                    | -3.01                         | 4.59                       | 26.02                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.98 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (9.98 - 6) = 26.02 \text{ dBm/500kHz}.$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 4.34                    | 13.02                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.98 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 17 - (9.98 - 6) = 13.02 \text{dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | 0.51                    | -3.01                         | -2.50                      | 26.02                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.98 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 30 - (9.98 - 6) = 26.02 \text{dBm/500kHz}.$$



|               |                                                                                   |          |     |
|---------------|-----------------------------------------------------------------------------------|----------|-----|
| Temperature   | 25°C                                                                              | Humidity | 46% |
| Test Engineer | Eddie Weng                                                                        |          |     |
| Test Mode     | Mode 2 (Set Ant. 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 1TX) |          |     |

For indoor / outdoor use

Configuration IEEE 802.11a / Chain 1

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 7.52                    | 17.00                | Complies |
| 40      | 5200 MHz  | 7.53                    | 17.00                | Complies |
| 48      | 5240 MHz  | 7.68                    | 17.00                | Complies |

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 8.29                    | -3.01                         | 5.28                       | 30.00                            | Complies |
| 157     | 5785 MHz  | 7.56                    | -3.01                         | 4.55                       | 30.00                            | Complies |
| 165     | 5825 MHz  | 7.54                    | -3.01                         | 4.53                       | 30.00                            | Complies |

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 7.57                    | 17.00                | Complies |
| 40      | 5200 MHz  | 7.74                    | 17.00                | Complies |
| 48      | 5240 MHz  | 7.64                    | 17.00                | Complies |

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 7.47                    | -3.01                         | 4.46                       | 30.00                            | Complies |
| 157     | 5785 MHz  | 7.54                    | -3.01                         | 4.53                       | 30.00                            | Complies |
| 165     | 5825 MHz  | 6.42                    | -3.01                         | 3.41                       | 30.00                            | Complies |

**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 4.85                    | 17.00                | Complies |
| 46      | 5230 MHz  | 4.64                    | 17.00                | Complies |

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 3.73                    | -3.01                         | 0.72                       | 30.00                            | Complies |
| 159     | 5795 MHz  | 2.46                    | -3.01                         | -0.55                      | 30.00                            | Complies |

**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 1.02                    | 17.00                | Complies |

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | -0.33                   | -3.01                         | -3.34                      | 30.00                            | Complies |

|               |                                                                              |          |     |
|---------------|------------------------------------------------------------------------------|----------|-----|
| Temperature   | 25°C                                                                         | Humidity | 46% |
| Test Engineer | Eddie Weng                                                                   |          |     |
| Test Mode     | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX) |          |     |

#### Configuration IEEE 802.11a / Chain 1 + Chain 2

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 9.92                    | 17.00                | Complies |
| 40      | 5200 MHz  | 9.82                    | 17.00                | Complies |
| 48      | 5240 MHz  | 9.97                    | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 2.96\text{dBi} < 6\text{dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 8.63                    | -3.01                         | 5.62                       | 30.00                            | Complies |
| 157     | 5785 MHz  | 10.59                   | -3.01                         | 7.58                       | 30.00                            | Complies |
| 165     | 5825 MHz  | 10.42                   | -3.01                         | 7.41                       | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 2.96\text{dBi} < 6\text{dBi}, \text{ so the limit doesn't reduce.}$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 10.22                   | 17.00                | Complies |
| 40      | 5200 MHz  | 10.02                   | 17.00                | Complies |
| 48      | 5240 MHz  | 10.05                   | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 2.96 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 8.35                    | -3.01                         | 5.34                       | 30.00                            | Complies |
| 157     | 5785 MHz  | 10.48                   | -3.01                         | 7.47                       | 30.00                            | Complies |
| 165     | 5825 MHz  | 10.46                   | -3.01                         | 7.45                       | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 2.96 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$
**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 7.12                    | 17.00                | Complies |
| 46      | 5230 MHz  | 7.66                    | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 2.96 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 3.98                    | -3.01                         | 0.97                       | 30.00                            | Complies |
| 159     | 5795 MHz  | 7.34                    | -3.01                         | 4.33                       | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 2.96 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 3.15                    | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 2.96 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | 0.23                    | -3.01                         | -2.78                      | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 2.96 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

|               |                                                                              |          |     |
|---------------|------------------------------------------------------------------------------|----------|-----|
| Temperature   | 25°C                                                                         | Humidity | 46% |
| Test Engineer | Eddie Weng                                                                   |          |     |
| Test Mode     | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX) |          |     |

### Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 11.71                   | 17.00                | Complies |
| 40      | 5200 MHz  | 12.25                   | 17.00                | Complies |
| 48      | 5240 MHz  | 12.12                   | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.81 \text{ dBi} < 6 \text{ dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 10.67                   | -3.01                         | 7.66                       | 30.00                            | Complies |
| 157     | 5785 MHz  | 11.90                   | -3.01                         | 8.89                       | 30.00                            | Complies |
| 165     | 5825 MHz  | 11.18                   | -3.01                         | 8.17                       | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.81 \text{ dBi} < 6 \text{ dBi}, \text{ so the limit doesn't reduce.}$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 11.95                   | 17.00                | Complies |
| 40      | 5200 MHz  | 12.12                   | 17.00                | Complies |
| 48      | 5240 MHz  | 11.62                   | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.81 \text{ dBi} < 6 \text{ dBi, so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 9.81                    | -3.01                         | 6.80                       | 30.00                            | Complies |
| 157     | 5785 MHz  | 11.68                   | -3.01                         | 8.67                       | 30.00                            | Complies |
| 165     | 5825 MHz  | 11.69                   | -3.01                         | 8.68                       | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.81 \text{ dBi} < 6 \text{ dBi, so the limit doesn't reduce.}$$
**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 7.77                    | 17.00                | Complies |
| 46      | 5230 MHz  | 9.33                    | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.81 \text{ dBi} < 6 \text{ dBi, so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 4.36                    | -3.01                         | 1.35                       | 30.00                            | Complies |
| 159     | 5795 MHz  | 8.06                    | -3.01                         | 5.05                       | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.81 \text{ dBi} < 6 \text{ dBi, so the limit doesn't reduce.}$$



**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 4.12                    | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.81 \text{ dBi} < 6 \text{ dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | 1.64                    | -3.01                         | -1.37                      | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.81 \text{ dBi} < 6 \text{ dBi}, \text{ so the limit doesn't reduce.}$$

|               |                                                                              |          |     |
|---------------|------------------------------------------------------------------------------|----------|-----|
| Temperature   | 25°C                                                                         | Humidity | 46% |
| Test Engineer | Eddie Weng                                                                   |          |     |
| Test Mode     | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX) |          |     |

#### Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 12.95                   | 15.90                | Complies |
| 40      | 5200 MHz  | 13.44                   | 15.90                | Complies |
| 48      | 5240 MHz  | 13.33                   | 15.90                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 7.10 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 17 - (7.10 - 6) = 15.90 \text{dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 11.12                   | -3.01                         | 8.11                       | 28.90                            | Complies |
| 157     | 5785 MHz  | 13.36                   | -3.01                         | 10.35                      | 28.90                            | Complies |
| 165     | 5825 MHz  | 12.97                   | -3.01                         | 9.96                       | 28.90                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 7.10 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 30 - (7.10 - 6) = 28.90 \text{dBm/500kHz}.$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 13.02                   | 15.90                | Complies |
| 40      | 5200 MHz  | 13.68                   | 15.90                | Complies |
| 48      | 5240 MHz  | 13.20                   | 15.90                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 7.10 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (7.10 - 6) = 15.90 \text{ dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 9.94                    | -3.01                         | 6.93                       | 28.90                            | Complies |
| 157     | 5785 MHz  | 13.15                   | -3.01                         | 10.14                      | 28.90                            | Complies |
| 165     | 5825 MHz  | 11.75                   | -3.01                         | 8.74                       | 28.90                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 7.10 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (7.10 - 6) = 28.90 \text{ dBm/500kHz}.$$
**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 8.65                    | 15.90                | Complies |
| 46      | 5230 MHz  | 10.19                   | 15.90                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 7.10 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (7.10 - 6) = 15.90 \text{ dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 4.40                    | -3.01                         | 1.39                       | 28.90                            | Complies |
| 159     | 5795 MHz  | 7.10                    | -3.01                         | 4.09                       | 28.90                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 7.10 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (7.10 - 6) = 28.90 \text{ dBm/500kHz}.$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 5.44                    | 15.90                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 7.10 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (7.10 - 6) = 15.90 \text{ dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | 1.76                    | -3.01                         | -1.25                      | 28.90                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 7.10 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (7.10 - 6) = 28.90 \text{ dBm/500kHz}.$$

|               |                                              |          |     |
|---------------|----------------------------------------------|----------|-----|
| Temperature   | 25°C                                         | Humidity | 46% |
| Test Engineer | Eddie Weng                                   |          |     |
| Test Mode     | Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX) |          |     |

For indoor / outdoor use

Configuration IEEE 802.11a / Chain 1

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 7.52                    | 17.00                | Complies |
| 40      | 5200 MHz  | 7.53                    | 17.00                | Complies |
| 48      | 5240 MHz  | 7.68                    | 17.00                | Complies |

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 6.75                    | -3.01                         | 3.74                       | 30.00                            | Complies |
| 157     | 5785 MHz  | 7.56                    | -3.01                         | 4.55                       | 30.00                            | Complies |
| 165     | 5825 MHz  | 7.54                    | -3.01                         | 4.53                       | 30.00                            | Complies |

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 7.57                    | 17.00                | Complies |
| 40      | 5200 MHz  | 7.74                    | 17.00                | Complies |
| 48      | 5240 MHz  | 7.64                    | 17.00                | Complies |

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 5.82                    | -3.01                         | 2.81                       | 30.00                            | Complies |
| 157     | 5785 MHz  | 7.54                    | -3.01                         | 4.53                       | 30.00                            | Complies |
| 165     | 5825 MHz  | 6.42                    | -3.01                         | 3.41                       | 30.00                            | Complies |

**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 2.52                    | 17.00                | Complies |
| 46      | 5230 MHz  | 4.64                    | 17.00                | Complies |

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 2.25                    | -3.01                         | -0.76                      | 30.00                            | Complies |
| 159     | 5795 MHz  | 2.46                    | -3.01                         | -0.55                      | 30.00                            | Complies |

**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | -0.58                   | 17.00                | Complies |

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | -2.00                   | -3.01                         | -5.01                      | 30.00                            | Complies |

|               |                                              |          |     |
|---------------|----------------------------------------------|----------|-----|
| Temperature   | 25°C                                         | Humidity | 46% |
| Test Engineer | Eddie Weng                                   |          |     |
| Test Mode     | Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX) |          |     |

#### Configuration IEEE 802.11a / Chain 1 + Chain 2

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 9.92                    | 17.00                | Complies |
| 40      | 5200 MHz  | 9.82                    | 17.00                | Complies |
| 48      | 5240 MHz  | 9.97                    | 17.00                | Complies |

Note:

$$Directional\ Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.67\text{dBi} < 6\text{dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 8.91                    | -3.01                         | 5.90                       | 30.00                            | Complies |
| 157     | 5785 MHz  | 10.59                   | -3.01                         | 7.58                       | 30.00                            | Complies |
| 165     | 5825 MHz  | 9.80                    | -3.01                         | 6.79                       | 30.00                            | Complies |

Note:

$$Directional\ Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.67\text{dBi} < 6\text{dBi}, \text{ so the limit doesn't reduce.}$$



**Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 10.22                   | 17.00                | Complies |
| 40      | 5200 MHz  | 10.02                   | 17.00                | Complies |
| 48      | 5240 MHz  | 10.05                   | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.67 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 7.73                    | -3.01                         | 4.72                       | 30.00                            | Complies |
| 157     | 5785 MHz  | 10.48                   | -3.01                         | 7.47                       | 30.00                            | Complies |
| 165     | 5825 MHz  | 9.09                    | -3.01                         | 6.08                       | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.67 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$
**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 6.36                    | 17.00                | Complies |
| 46      | 5230 MHz  | 7.66                    | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.67 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 2.38                    | -3.01                         | -0.63                      | 30.00                            | Complies |
| 159     | 5795 MHz  | 5.75                    | -3.01                         | 2.74                       | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.67 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 2.04                    | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.67 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | 0.29                    | -3.01                         | -2.72                      | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.67 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

|               |                                              |          |     |
|---------------|----------------------------------------------|----------|-----|
| Temperature   | 25°C                                         | Humidity | 46% |
| Test Engineer | Eddie Weng                                   |          |     |
| Test Mode     | Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX) |          |     |

### Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 11.71                   | 15.57                | Complies |
| 40      | 5200 MHz  | 12.25                   | 15.57                | Complies |
| 48      | 5240 MHz  | 12.12                   | 15.57                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 7.43 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 17 - (7.43 - 6) = 15.57 \text{dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 9.76                    | -3.01                         | 6.75                       | 28.57                            | Complies |
| 157     | 5785 MHz  | 11.90                   | -3.01                         | 8.89                       | 28.57                            | Complies |
| 165     | 5825 MHz  | 11.18                   | -3.01                         | 8.17                       | 28.57                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 7.43 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 30 - (7.43 - 6) = 28.57 \text{dBm/500kHz}.$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 11.95                   | 15.57                | Complies |
| 40      | 5200 MHz  | 12.12                   | 15.57                | Complies |
| 48      | 5240 MHz  | 11.62                   | 15.57                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 7.43 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (7.43 - 6) = 15.57 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 8.96                    | -3.01                         | 5.95                       | 28.57                            | Complies |
| 157     | 5785 MHz  | 11.68                   | -3.01                         | 8.67                       | 28.57                            | Complies |
| 165     | 5825 MHz  | 10.24                   | -3.01                         | 7.23                       | 28.57                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 7.43 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (7.43 - 6) = 28.57 \text{ dBm/500kHz.}$$
**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 9.28                    | 15.57                | Complies |
| 46      | 5230 MHz  | 9.33                    | 15.57                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 7.43 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (7.43 - 6) = 15.57 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 4.36                    | -3.01                         | 1.35                       | 28.57                            | Complies |
| 159     | 5795 MHz  | 6.28                    | -3.01                         | 3.27                       | 28.57                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 7.43 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (7.43 - 6) = 28.57 \text{ dBm/500kHz.}$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 2.84                    | 15.57                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 7.43 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 17 - (7.43 - 6) = 15.57 \text{dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | -0.52                   | -3.01                         | -3.53                      | 28.57                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 7.43 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 30 - (7.43 - 6) = 28.57 \text{dBm/500kHz}.$$

|               |                                              |          |     |
|---------------|----------------------------------------------|----------|-----|
| Temperature   | 25°C                                         | Humidity | 46% |
| Test Engineer | Eddie Weng                                   |          |     |
| Test Mode     | Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX) |          |     |

#### Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 12.95                   | 14.32                | Complies |
| 40      | 5200 MHz  | 13.44                   | 14.32                | Complies |
| 48      | 5240 MHz  | 13.33                   | 14.32                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.68 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 17 - (8.68 - 6) = 14.32 \text{dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 9.85                    | -3.01                         | 6.84                       | 27.32                            | Complies |
| 157     | 5785 MHz  | 13.36                   | -3.01                         | 10.35                      | 27.32                            | Complies |
| 165     | 5825 MHz  | 12.01                   | -3.01                         | 9.00                       | 27.32                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.68 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 30 - (8.68 - 6) = 27.32 \text{dBm/500kHz}.$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 13.02                   | 14.32                | Complies |
| 40      | 5200 MHz  | 13.68                   | 14.32                | Complies |
| 48      | 5240 MHz  | 13.20                   | 14.32                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.68 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (8.68 - 6) = 14.32 \text{ dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 9.32                    | -3.01                         | 6.31                       | 27.32                            | Complies |
| 157     | 5785 MHz  | 13.15                   | -3.01                         | 10.14                      | 27.32                            | Complies |
| 165     | 5825 MHz  | 11.43                   | -3.01                         | 8.42                       | 27.32                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.68 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (8.68 - 6) = 27.32 \text{ dBm/500kHz}.$$
**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 8.65                    | 14.32                | Complies |
| 46      | 5230 MHz  | 10.19                   | 14.32                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.68 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (8.68 - 6) = 14.32 \text{ dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 4.39                    | -3.01                         | 1.38                       | 27.32                            | Complies |
| 159     | 5795 MHz  | 7.24                    | -3.01                         | 4.23                       | 27.32                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.68 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (8.68 - 6) = 27.32 \text{ dBm/500kHz}.$$



**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 3.12                    | 14.32                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.68 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 17 - (8.68 - 6) = 14.32 \text{dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | 0.03                    | -3.01                         | -2.98                      | 27.32                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.68 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 30 - (8.68 - 6) = 27.32 \text{dBm/500kHz}.$$

|               |                                                        |          |     |
|---------------|--------------------------------------------------------|----------|-----|
| Temperature   | 25°C                                                   | Humidity | 46% |
| Test Engineer | Eddie Weng                                             |          |     |
| Test Mode     | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX) |          |     |

For indoor / outdoor use

Configuration IEEE 802.11a / Chain 1

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 7.52                    | 17.00                | Complies |
| 40      | 5200 MHz  | 7.53                    | 17.00                | Complies |
| 48      | 5240 MHz  | 7.68                    | 17.00                | Complies |

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 8.29                    | -3.01                         | 5.28                       | 30.00                            | Complies |
| 157     | 5785 MHz  | 7.56                    | -3.01                         | 4.55                       | 30.00                            | Complies |
| 165     | 5825 MHz  | 7.54                    | -3.01                         | 4.53                       | 30.00                            | Complies |

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 7.57                    | 17.00                | Complies |
| 40      | 5200 MHz  | 7.74                    | 17.00                | Complies |
| 48      | 5240 MHz  | 7.64                    | 17.00                | Complies |

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 7.84                    | -3.01                         | 4.83                       | 30.00                            | Complies |
| 157     | 5785 MHz  | 7.54                    | -3.01                         | 4.53                       | 30.00                            | Complies |
| 165     | 5825 MHz  | 6.42                    | -3.01                         | 3.41                       | 30.00                            | Complies |

**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 4.85                    | 17.00                | Complies |
| 46      | 5230 MHz  | 4.64                    | 17.00                | Complies |

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 3.73                    | -3.01                         | 0.72                       | 30.00                            | Complies |
| 159     | 5795 MHz  | 2.46                    | -3.01                         | -0.55                      | 30.00                            | Complies |

**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 1.75                    | 17.00                | Complies |

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | -0.10                   | -3.01                         | -3.11                      | 30.00                            | Complies |

|               |                                                        |          |     |
|---------------|--------------------------------------------------------|----------|-----|
| Temperature   | 25°C                                                   | Humidity | 46% |
| Test Engineer | Eddie Weng                                             |          |     |
| Test Mode     | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX) |          |     |

#### Configuration IEEE 802.11a / Chain 1 + Chain 2

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 9.92                    | 17.00                | Complies |
| 40      | 5200 MHz  | 9.82                    | 17.00                | Complies |
| 48      | 5240 MHz  | 9.97                    | 17.00                | Complies |

Note:

$$Directional\ Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 3.86\text{dBi} < 6\text{dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 8.63                    | -3.01                         | 5.62                       | 30.00                            | Complies |
| 157     | 5785 MHz  | 10.59                   | -3.01                         | 7.58                       | 30.00                            | Complies |
| 165     | 5825 MHz  | 10.42                   | -3.01                         | 7.41                       | 30.00                            | Complies |

Note:

$$Directional\ Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 3.86\text{dBi} < 6\text{dBi}, \text{ so the limit doesn't reduce.}$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 10.22                   | 17.00                | Complies |
| 40      | 5200 MHz  | 10.02                   | 17.00                | Complies |
| 48      | 5240 MHz  | 10.05                   | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 3.86 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 8.18                    | -3.01                         | 5.17                       | 30.00                            | Complies |
| 157     | 5785 MHz  | 10.48                   | -3.01                         | 7.47                       | 30.00                            | Complies |
| 165     | 5825 MHz  | 9.61                    | -3.01                         | 6.60                       | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 3.86 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$
**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 6.89                    | 17.00                | Complies |
| 46      | 5230 MHz  | 7.66                    | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 3.86 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 2.47                    | -3.01                         | -0.54                      | 30.00                            | Complies |
| 159     | 5795 MHz  | 6.41                    | -3.01                         | 3.40                       | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 3.86 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 2.76                    | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 3.86 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | 0.23                    | -3.01                         | -2.78                      | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 3.86 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

|               |                                                        |          |     |
|---------------|--------------------------------------------------------|----------|-----|
| Temperature   | 25°C                                                   | Humidity | 46% |
| Test Engineer | Eddie Weng                                             |          |     |
| Test Mode     | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX) |          |     |

#### Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 11.71                   | 17.00                | Complies |
| 40      | 5200 MHz  | 12.25                   | 17.00                | Complies |
| 48      | 5240 MHz  | 12.12                   | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.65 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 9.42                    | -3.01                         | 6.41                       | 30.00                            | Complies |
| 157     | 5785 MHz  | 11.90                   | -3.01                         | 8.89                       | 30.00                            | Complies |
| 165     | 5825 MHz  | 11.18                   | -3.01                         | 8.17                       | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.65 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$



**Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 11.95                   | 17.00                | Complies |
| 40      | 5200 MHz  | 12.12                   | 17.00                | Complies |
| 48      | 5240 MHz  | 11.62                   | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.65 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 8.92                    | -3.01                         | 5.91                       | 30.00                            | Complies |
| 157     | 5785 MHz  | 11.68                   | -3.01                         | 8.67                       | 30.00                            | Complies |
| 165     | 5825 MHz  | 10.24                   | -3.01                         | 7.23                       | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.65 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$
**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 7.84                    | 17.00                | Complies |
| 46      | 5230 MHz  | 9.33                    | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.65 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 4.36                    | -3.01                         | 1.35                       | 30.00                            | Complies |
| 159     | 5795 MHz  | 7.28                    | -3.01                         | 4.27                       | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.65 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 4.12                    | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.65 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | 0.74                    | -3.01                         | -2.27                      | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.65 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

|               |                                                        |          |     |
|---------------|--------------------------------------------------------|----------|-----|
| Temperature   | 25°C                                                   | Humidity | 46% |
| Test Engineer | Eddie Weng                                             |          |     |
| Test Mode     | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX) |          |     |

#### Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 12.95                   | 16.10                | Complies |
| 40      | 5200 MHz  | 13.44                   | 16.10                | Complies |
| 48      | 5240 MHz  | 13.33                   | 16.10                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.90 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 17 - (6.90 - 6) = 16.10 \text{dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 8.91                    | -3.01                         | 5.90                       | 29.10                            | Complies |
| 157     | 5785 MHz  | 13.36                   | -3.01                         | 10.35                      | 29.10                            | Complies |
| 165     | 5825 MHz  | 12.97                   | -3.01                         | 9.96                       | 29.10                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.90 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 30 - (6.90 - 6) = 29.10 \text{dBm/500kHz}.$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 13.02                   | 16.10                | Complies |
| 40      | 5200 MHz  | 13.68                   | 16.10                | Complies |
| 48      | 5240 MHz  | 13.20                   | 16.10                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.90 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (6.90 - 6) = 16.10 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 8.97                    | -3.01                         | 5.96                       | 29.10                            | Complies |
| 157     | 5785 MHz  | 13.15                   | -3.01                         | 10.14                      | 29.10                            | Complies |
| 165     | 5825 MHz  | 10.57                   | -3.01                         | 7.56                       | 29.10                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.90 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (6.90 - 6) = 29.10 \text{ dBm/500kHz.}$$
**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 10.01                   | 16.10                | Complies |
| 46      | 5230 MHz  | 10.19                   | 16.10                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.90 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (6.90 - 6) = 16.10 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 3.35                    | -3.01                         | 0.34                       | 29.10                            | Complies |
| 159     | 5795 MHz  | 7.84                    | -3.01                         | 4.83                       | 29.10                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.90 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (6.90 - 6) = 29.10 \text{ dBm/500kHz.}$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 3.57                    | 16.10                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.90 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (6.90 - 6) = 16.10 \text{ dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | 0.19                    | -3.01                         | -2.82                      | 29.10                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.90 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (6.90 - 6) = 29.10 \text{ dBm/500kHz}.$$

|               |                                              |          |     |
|---------------|----------------------------------------------|----------|-----|
| Temperature   | 25°C                                         | Humidity | 46% |
| Test Engineer | Eddie Weng                                   |          |     |
| Test Mode     | Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX) |          |     |

For indoor use

Configuration IEEE 802.11a / Chain 1

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 7.52                    | 17.00                | Complies |
| 40      | 5200 MHz  | 7.53                    | 17.00                | Complies |
| 48      | 5240 MHz  | 7.68                    | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 3.26\text{dBi} < 6\text{dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 7.23                    | -3.01                         | 4.22                       | 30.00                            | Complies |
| 157     | 5785 MHz  | 7.56                    | -3.01                         | 4.55                       | 30.00                            | Complies |
| 165     | 5825 MHz  | 7.54                    | -3.01                         | 4.53                       | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 3.26\text{dBi} < 6\text{dBi}, \text{ so the limit doesn't reduce.}$$

### Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 7.57                    | 17.00                | Complies |
| 40      | 5200 MHz  | 7.74                    | 17.00                | Complies |
| 48      | 5240 MHz  | 7.64                    | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 3.26 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 7.37                    | -3.01                         | 4.36                       | 30.00                            | Complies |
| 157     | 5785 MHz  | 7.54                    | -3.01                         | 4.53                       | 30.00                            | Complies |
| 165     | 5825 MHz  | 6.42                    | -3.01                         | 3.41                       | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 3.26 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

### Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 4.57                    | 17.00                | Complies |
| 46      | 5230 MHz  | 4.64                    | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 3.26 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 3.70                    | -3.01                         | 0.69                       | 30.00                            | Complies |
| 159     | 5795 MHz  | 2.46                    | -3.01                         | -0.55                      | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 3.26 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$



**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 1.70                    | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 3.26 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | -0.33                   | -3.01                         | -3.34                      | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 3.26 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

|               |                                              |          |     |
|---------------|----------------------------------------------|----------|-----|
| Temperature   | 25°C                                         | Humidity | 46% |
| Test Engineer | Eddie Weng                                   |          |     |
| Test Mode     | Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX) |          |     |

#### Configuration IEEE 802.11a / Chain 1 + Chain 2

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 9.92                    | 16.73                | Complies |
| 40      | 5200 MHz  | 9.82                    | 16.73                | Complies |
| 48      | 5240 MHz  | 9.97                    | 16.73                | Complies |

Note:

$$Directional\ Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.27\text{dBi} > 6\text{dBi}, \text{ so the limit } 17 - (6.27 - 6) = 16.73\text{dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 8.91                    | -3.01                         | 5.90                       | 29.73                            | Complies |
| 157     | 5785 MHz  | 10.59                   | -3.01                         | 7.58                       | 29.73                            | Complies |
| 165     | 5825 MHz  | 10.42                   | -3.01                         | 7.41                       | 29.73                            | Complies |

Note:

$$Directional\ Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.27\text{dBi} > 6\text{dBi}, \text{ so the limit } 30 - (6.27 - 6) = 29.73\text{dBm/500kHz}.$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 10.22                   | 16.73                | Complies |
| 40      | 5200 MHz  | 10.02                   | 16.73                | Complies |
| 48      | 5240 MHz  | 10.05                   | 16.73                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.27 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (6.27 - 6) = 16.73 \text{ dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 8.24                    | -3.01                         | 5.23                       | 29.73                            | Complies |
| 157     | 5785 MHz  | 10.48                   | -3.01                         | 7.47                       | 29.73                            | Complies |
| 165     | 5825 MHz  | 10.03                   | -3.01                         | 7.02                       | 29.73                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.27 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (6.27 - 6) = 29.73 \text{ dBm/500kHz}.$$
**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 6.36                    | 16.73                | Complies |
| 46      | 5230 MHz  | 7.66                    | 16.73                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.27 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (6.27 - 6) = 16.73 \text{ dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 3.08                    | -3.01                         | 0.07                       | 29.73                            | Complies |
| 159     | 5795 MHz  | 6.56                    | -3.01                         | 3.55                       | 29.73                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.27 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (6.27 - 6) = 29.73 \text{ dBm/500kHz}.$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 1.79                    | 16.73                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.27 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (6.27 - 6) = 16.73 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | -0.85                   | -3.01                         | -3.86                      | 29.73                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.27 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (6.27 - 6) = 29.73 \text{ dBm/500kHz.}$$

|               |                                              |          |     |
|---------------|----------------------------------------------|----------|-----|
| Temperature   | 25°C                                         | Humidity | 46% |
| Test Engineer | Eddie Weng                                   |          |     |
| Test Mode     | Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX) |          |     |

#### Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 11.71                   | 14.97                | Complies |
| 40      | 5200 MHz  | 12.25                   | 14.97                | Complies |
| 48      | 5240 MHz  | 12.12                   | 14.97                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.03 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (8.03 - 6) = 14.97 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 11.19                   | -3.01                         | 8.18                       | 27.97                            | Complies |
| 157     | 5785 MHz  | 11.90                   | -3.01                         | 8.89                       | 27.97                            | Complies |
| 165     | 5825 MHz  | 11.18                   | -3.01                         | 8.17                       | 27.97                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.27 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (8.03 - 6) = 27.97 \text{ dBm/500kHz.}$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 11.95                   | 14.97                | Complies |
| 40      | 5200 MHz  | 12.12                   | 14.97                | Complies |
| 48      | 5240 MHz  | 11.62                   | 14.97                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.03 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (8.03 - 6) = 14.97 \text{ dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 9.81                    | -3.01                         | 6.80                       | 27.97                            | Complies |
| 157     | 5785 MHz  | 11.68                   | -3.01                         | 8.67                       | 27.97                            | Complies |
| 165     | 5825 MHz  | 11.11                   | -3.01                         | 8.10                       | 27.97                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.27 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (8.03 - 6) = 27.97 \text{ dBm/500kHz}.$$
**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 8.60                    | 14.97                | Complies |
| 46      | 5230 MHz  | 9.33                    | 14.97                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.03 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (8.03 - 6) = 14.97 \text{ dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 4.89                    | -3.01                         | 1.88                       | 27.97                            | Complies |
| 159     | 5795 MHz  | 7.67                    | -3.01                         | 4.66                       | 27.97                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.27 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (8.03 - 6) = 27.97 \text{ dBm/500kHz}.$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 3.63                    | 14.97                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.03 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 17 - (8.03 - 6) = 14.97 \text{dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | 1.35                    | -3.01                         | -1.66                      | 27.97                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.27 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 30 - (8.03 - 6) = 27.97 \text{dBm/500kHz}.$$



|               |                                              |          |     |
|---------------|----------------------------------------------|----------|-----|
| Temperature   | 25°C                                         | Humidity | 46% |
| Test Engineer | Eddie Weng                                   |          |     |
| Test Mode     | Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX) |          |     |

#### Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 12.95                   | 13.72                | Complies |
| 40      | 5200 MHz  | 13.44                   | 13.72                | Complies |
| 48      | 5240 MHz  | 13.33                   | 13.72                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.28 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 17 - (9.28 - 6) = 13.72 \text{dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 10.83                   | -3.01                         | 7.82                       | 26.72                            | Complies |
| 157     | 5785 MHz  | 13.36                   | -3.01                         | 10.35                      | 26.72                            | Complies |
| 165     | 5825 MHz  | 12.43                   | -3.01                         | 9.42                       | 26.72                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.28 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 30 - (9.28 - 6) = 26.72 \text{dBm/500kHz}.$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 13.02                   | 13.72                | Complies |
| 40      | 5200 MHz  | 13.68                   | 13.72                | Complies |
| 48      | 5240 MHz  | 13.20                   | 13.72                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.28 \text{ dBi} > 6 \text{ dBi, so the limit } 17 - (9.28 - 6) = 13.72 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 10.47                   | -3.01                         | 7.46                       | 26.72                            | Complies |
| 157     | 5785 MHz  | 13.15                   | -3.01                         | 10.14                      | 26.72                            | Complies |
| 165     | 5825 MHz  | 11.22                   | -3.01                         | 8.21                       | 26.72                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.28 \text{ dBi} > 6 \text{ dBi, so the limit } 30 - (9.28 - 6) = 26.72 \text{ dBm/500kHz.}$$
**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 8.65                    | 13.72                | Complies |
| 46      | 5230 MHz  | 10.19                   | 13.72                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.28 \text{ dBi} > 6 \text{ dBi, so the limit } 17 - (9.28 - 6) = 13.72 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 5.16                    | -3.01                         | 2.15                       | 26.72                            | Complies |
| 159     | 5795 MHz  | 7.51                    | -3.01                         | 4.50                       | 26.72                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.28 \text{ dBi} > 6 \text{ dBi, so the limit } 30 - (9.28 - 6) = 26.72 \text{ dBm/500kHz.}$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 4.59                    | 13.72                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.28 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 17 - (9.28 - 6) = 13.72 \text{dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | 1.84                    | -3.01                         | -1.17                      | 26.72                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.28 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 30 - (9.28 - 6) = 26.72 \text{dBm/500kHz}.$$

|               |                                                         |          |     |
|---------------|---------------------------------------------------------|----------|-----|
| Temperature   | 25°C                                                    | Humidity | 46% |
| Test Engineer | Lucas Huang                                             |          |     |
| Test Mode     | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX) |          |     |

For indoor/outdoor use

Configuration IEEE 802.11a / Chain 1

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 7.54                    | 16.20                | Complies |
| 40      | 5200 MHz  | 7.57                    | 16.20                | Complies |
| 48      | 5240 MHz  | 7.61                    | 16.20                | Complies |

Note:

$$Directional\ Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.80\text{dBi} > 6\text{dBi}, \text{ so the limit } 17 - (6.80 - 6) = 16.20\text{dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 6.97                    | -3.01                         | 3.96                       | 29.20                            | Complies |
| 157     | 5785 MHz  | 7.93                    | -3.01                         | 4.92                       | 29.20                            | Complies |
| 165     | 5825 MHz  | 7.57                    | -3.01                         | 4.56                       | 29.20                            | Complies |

Note:

$$Directional\ Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.80\text{dBi} > 6\text{dBi}, \text{ so the limit } 30 - (6.80 - 6) = 29.20\text{dBm/500kHz}.$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 7.59                    | 16.20                | Complies |
| 40      | 5200 MHz  | 7.79                    | 16.20                | Complies |
| 48      | 5240 MHz  | 7.57                    | 16.20                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.80 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (6.80 - 6) = 16.20 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 6.15                    | -3.01                         | 3.14                       | 29.20                            | Complies |
| 157     | 5785 MHz  | 7.73                    | -3.01                         | 4.72                       | 29.20                            | Complies |
| 165     | 5825 MHz  | 6.71                    | -3.01                         | 3.70                       | 29.20                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.80 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (6.80 - 6) = 29.20 \text{ dBm/500kHz.}$$
**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 2.68                    | 16.20                | Complies |
| 46      | 5230 MHz  | 4.89                    | 16.20                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.80 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (6.80 - 6) = 16.20 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 1.75                    | -3.01                         | -1.26                      | 29.20                            | Complies |
| 159     | 5795 MHz  | 3.02                    | -3.01                         | 0.01                       | 29.20                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.80 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (6.80 - 6) = 29.20 \text{ dBm/500kHz.}$$

### Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | -0.44                   | 16.20                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.80 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 17 - (6.80 - 6) = 16.20 \text{dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | -1.25                   | -3.01                         | -4.26                      | 29.20                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.80 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 30 - (6.80 - 6) = 29.20 \text{dBm/500kHz}.$$

|               |                                                                          |          |     |
|---------------|--------------------------------------------------------------------------|----------|-----|
| Temperature   | 25°C                                                                     | Humidity | 46% |
| Test Engineer | Lucas Huang                                                              |          |     |
| Test Mode     | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX) |          |     |

#### Configuration IEEE 802.11a / Chain 1 + Chain 2

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 10.06                   | 13.24                | Complies |
| 40      | 5200 MHz  | 9.86                    | 13.24                | Complies |
| 48      | 5240 MHz  | 9.91                    | 13.24                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.76 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 17 - (9.76 - 6) = 13.24 \text{dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 7.84                    | -3.01                         | 4.83                       | 26.24                            | Complies |
| 157     | 5785 MHz  | 10.32                   | -3.01                         | 7.31                       | 26.24                            | Complies |
| 165     | 5825 MHz  | 10.07                   | -3.01                         | 7.06                       | 26.24                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.76 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 30 - (9.76 - 6) = 26.24 \text{dBm/500kHz}.$$



**Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 10.05                   | 13.24                | Complies |
| 40      | 5200 MHz  | 9.82                    | 13.24                | Complies |
| 48      | 5240 MHz  | 9.87                    | 13.24                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.76 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (9.76 - 6) = 13.24 \text{ dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 7.08                    | -3.01                         | 4.07                       | 26.24                            | Complies |
| 157     | 5785 MHz  | 10.34                   | -3.01                         | 7.33                       | 26.24                            | Complies |
| 165     | 5825 MHz  | 9.26                    | -3.01                         | 6.25                       | 26.24                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.76 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (9.76 - 6) = 26.24 \text{ dBm/500kHz}.$$
**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 4.53                    | 13.24                | Complies |
| 46      | 5230 MHz  | 7.66                    | 13.24                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.76 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (9.76 - 6) = 13.24 \text{ dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 2.12                    | -3.01                         | -0.89                      | 26.24                            | Complies |
| 159     | 5795 MHz  | 5.75                    | -3.01                         | 2.74                       | 26.24                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.76 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (9.76 - 6) = 26.24 \text{ dBm/500kHz}.$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 0.28                    | 13.24                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.76 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 17 - (9.76 - 6) = 13.24 \text{dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | -1.51                   | -3.01                         | -4.52                      | 26.24                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.76 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 30 - (9.76 - 6) = 26.24 \text{dBm/500kHz}.$$

|               |                                                                                           |          |     |
|---------------|-------------------------------------------------------------------------------------------|----------|-----|
| Temperature   | 25°C                                                                                      | Humidity | 46% |
| Test Engineer | Lucas Huang                                                                               |          |     |
| Test Mode     | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX) |          |     |

#### Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 11.29                   | 11.53                | Complies |
| 40      | 5200 MHz  | 11.20                   | 11.53                | Complies |
| 48      | 5240 MHz  | 11.42                   | 11.53                | Complies |

Note:  $Directional\ Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 11.47\text{dBi} > 6\text{dBi}$ , so the limit  $17-(11.47-6)=11.53\text{dBm/MHz}$ .

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 9.76                    | -3.01                         | 6.75                       | 24.53                            | Complies |
| 157     | 5785 MHz  | 11.45                   | -3.01                         | 8.44                       | 24.53                            | Complies |
| 165     | 5825 MHz  | 10.22                   | -3.01                         | 7.21                       | 24.53                            | Complies |

Note:  $Directional\ Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 11.47\text{dBi} > 6\text{dBi}$ , so the limit  $30-(11.47-6)=24.53\text{dBm/500kHz}$ .

**Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 11.39                   | 11.53                | Complies |
| 40      | 5200 MHz  | 11.43                   | 11.53                | Complies |
| 48      | 5240 MHz  | 11.22                   | 11.53                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 11.47 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (11.47 - 6) = 11.53 \text{ dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 8.73                    | -3.01                         | 5.72                       | 24.53                            | Complies |
| 157     | 5785 MHz  | 11.41                   | -3.01                         | 8.40                       | 24.53                            | Complies |
| 165     | 5825 MHz  | 10.04                   | -3.01                         | 7.03                       | 24.53                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 11.47 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (11.47 - 6) = 24.53 \text{ dBm/500kHz}.$$
**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 6.34                    | 11.53                | Complies |
| 46      | 5230 MHz  | 8.97                    | 11.53                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 11.47 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (11.47 - 6) = 11.53 \text{ dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 2.45                    | -3.01                         | -0.56                      | 24.53                            | Complies |
| 159     | 5795 MHz  | 6.58                    | -3.01                         | 3.57                       | 24.53                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 11.47 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (11.47 - 6) = 24.53 \text{ dBm/500kHz}.$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 1.47                    | 11.53                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 11.47 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (11.47 - 6) = 11.53 \text{ dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | -1.04                   | -3.01                         | -4.05                      | 24.53                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 11.47 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (11.47 - 6) = 24.53 \text{ dBm/500kHz}.$$

|               |                                                                                                            |          |     |
|---------------|------------------------------------------------------------------------------------------------------------|----------|-----|
| Temperature   | 25°C                                                                                                       | Humidity | 46% |
| Test Engineer | Lucas Huang                                                                                                |          |     |
| Test Mode     | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX) |          |     |

#### Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 10.32                   | 10.47                | Complies |
| 40      | 5200 MHz  | 10.42                   | 10.47                | Complies |
| 48      | 5240 MHz  | 10.43                   | 10.47                | Complies |

Note:  $Directional\ Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.53\text{dBi} > 6\text{dBi}$ , so the limit  $17-(12.53-6)=10.47\text{dBm/MHz}$ .

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 8.84                    | -3.01                         | 5.83                       | 23.47                            | Complies |
| 157     | 5785 MHz  | 12.89                   | -3.01                         | 9.88                       | 23.47                            | Complies |
| 165     | 5825 MHz  | 10.39                   | -3.01                         | 7.38                       | 23.47                            | Complies |

Note:  $Directional\ Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.53\text{dBi} > 6\text{dBi}$ , so the limit  $30-(12.53-6)=23.47\text{dBm/500kHz}$ .

**Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 10.45                   | 10.47                | Complies |
| 40      | 5200 MHz  | 10.31                   | 10.47                | Complies |
| 48      | 5240 MHz  | 10.44                   | 10.47                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.53 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (12.53 - 6) = 10.47 \text{ dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 9.32                    | -3.01                         | 6.31                       | 23.47                            | Complies |
| 157     | 5785 MHz  | 12.90                   | -3.01                         | 9.89                       | 23.47                            | Complies |
| 165     | 5825 MHz  | 10.06                   | -3.01                         | 7.05                       | 23.47                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.53 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (12.53 - 6) = 23.47 \text{ dBm/500kHz}.$$
**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 7.71                    | 10.47                | Complies |
| 46      | 5230 MHz  | 10.02                   | 10.47                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.53 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (12.53 - 6) = 10.47 \text{ dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 3.91                    | -3.01                         | 0.90                       | 23.47                            | Complies |
| 159     | 5795 MHz  | 6.10                    | -3.01                         | 3.09                       | 23.47                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.53 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (12.53 - 6) = 23.47 \text{ dBm/500kHz}.$$



**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 4.16                    | 10.47                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.53 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 17 - (12.53 - 6) = 10.47 \text{dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | -0.20                   | -3.01                         | -3.21                      | 23.47                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.53 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 30 - (12.53 - 6) = 23.47 \text{dBm/500kHz}.$$

### For Beamforming Mode

|               |                                               |          |     |
|---------------|-----------------------------------------------|----------|-----|
| Temperature   | 25°C                                          | Humidity | 46% |
| Test Engineer | Lucas Huang                                   |          |     |
| Test Mode     | Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX) |          |     |

### For indoor / outdoor use

#### Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 10.22                   | 16.03                | Complies |
| 40      | 5200 MHz  | 10.02                   | 16.03                | Complies |
| 48      | 5240 MHz  | 10.05                   | 16.03                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.97 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 17 - (6.97 - 6) = 16.03 \text{dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 6.61                    | -3.01                         | 3.60                       | 29.03                            | Complies |
| 157     | 5785 MHz  | 10.48                   | -3.01                         | 7.47                       | 29.03                            | Complies |
| 165     | 5825 MHz  | 8.78                    | -3.01                         | 5.77                       | 29.03                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.97 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 30 - (6.97 - 6) = 29.03 \text{dBm/500kHz}.$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 4.10                    | 16.03                | Complies |
| 46      | 5230 MHz  | 7.66                    | 16.03                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.97 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (6.97 - 6) = 16.03 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 1.18                    | -3.01                         | -1.83                      | 29.03                            | Complies |
| 159     | 5795 MHz  | 6.40                    | -3.01                         | 3.39                       | 29.03                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.97 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (6.97 - 6) = 29.03 \text{ dBm/500kHz.}$$
**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 1.14                    | 16.03                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.97 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (6.97 - 6) = 16.03 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | -0.89                   | -3.01                         | -3.90                      | 29.03                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.97 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (6.97 - 6) = 29.03 \text{ dBm/500kHz.}$$

|               |                                               |          |     |
|---------------|-----------------------------------------------|----------|-----|
| Temperature   | 25°C                                          | Humidity | 46% |
| Test Engineer | Lucas Huang                                   |          |     |
| Test Mode     | Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX) |          |     |

#### Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 9.84                    | 14.27                | Complies |
| 40      | 5200 MHz  | 10.00                   | 14.27                | Complies |
| 48      | 5240 MHz  | 11.73                   | 14.27                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.73 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (8.73 - 6) = 14.27 \text{ dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 7.07                    | -3.01                         | 4.06                       | 27.27                            | Complies |
| 157     | 5785 MHz  | 11.41                   | -3.01                         | 8.40                       | 27.27                            | Complies |
| 165     | 5825 MHz  | 10.13                   | -3.01                         | 7.12                       | 27.27                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.73 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (8.73 - 6) = 27.27 \text{ dBm/500kHz}.$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 5.16                    | 14.27                | Complies |
| 46      | 5230 MHz  | 8.97                    | 14.27                | Complies |

Note:  

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.73 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (8.73 - 6) = 14.27 \text{ dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 1.77                    | -3.01                         | -1.24                      | 27.27                            | Complies |
| 159     | 5795 MHz  | 6.17                    | -3.01                         | 3.16                       | 27.27                            | Complies |

Note:  

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.73 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (8.73 - 6) = 27.27 \text{ dBm/500kHz}.$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 2.06                    | 14.27                | Complies |

Note:  

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.73 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (8.73 - 6) = 14.27 \text{ dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | -0.52                   | -3.01                         | -3.53                      | 27.27                            | Complies |

Note:  

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.73 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (8.73 - 6) = 27.27 \text{ dBm/500kHz}.$$

|               |                                               |          |     |
|---------------|-----------------------------------------------|----------|-----|
| Temperature   | 25°C                                          | Humidity | 46% |
| Test Engineer | Lucas Huang                                   |          |     |
| Test Mode     | Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX) |          |     |

**Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 7.18                    | 13.02                | Complies |
| 40      | 5200 MHz  | 9.16                    | 13.02                | Complies |
| 48      | 5240 MHz  | 12.95                   | 13.02                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.98 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (9.98 - 6) = 13.02 \text{ dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 7.75                    | -3.01                         | 4.74                       | 26.02                            | Complies |
| 157     | 5785 MHz  | 11.35                   | -3.01                         | 8.34                       | 26.02                            | Complies |
| 165     | 5825 MHz  | 8.24                    | -3.01                         | 5.23                       | 26.02                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.98 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (9.98 - 6) = 26.02 \text{ dBm/500kHz}.$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 6.40                    | 13.02                | Complies |
| 46      | 5230 MHz  | 9.65                    | 13.02                | Complies |

Note:

$$Directional\ Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.98\text{dBi} > 6\text{dBi}, \text{ so the limit } 17 - (9.98 - 6) = 13.02\text{dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 1.84                    | -3.01                         | -1.17                      | 26.02                            | Complies |
| 159     | 5795 MHz  | 5.63                    | -3.01                         | 2.62                       | 26.02                            | Complies |

Note:

$$Directional\ Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.98\text{dBi} > 6\text{dBi}, \text{ so the limit } 30 - (9.98 - 6) = 26.02\text{dBm/500kHz}.$$
**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 2.23                    | 13.02                | Complies |

Note:

$$Directional\ Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.98\text{dBi} > 6\text{dBi}, \text{ so the limit } 17 - (9.98 - 6) = 13.02\text{dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | -1.35                   | -3.01                         | -4.36                      | 26.02                            | Complies |

Note:

$$Directional\ Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.98\text{dBi} > 6\text{dBi}, \text{ so the limit } 30 - (9.98 - 6) = 26.02\text{dBm/500kHz}.$$



|               |                                                                              |          |     |
|---------------|------------------------------------------------------------------------------|----------|-----|
| Temperature   | 25°C                                                                         | Humidity | 46% |
| Test Engineer | Lucas Huang                                                                  |          |     |
| Test Mode     | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX) |          |     |

For indoor / outdoor use

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 10.22                   | 17.00                | Complies |
| 40      | 5200 MHz  | 10.02                   | 17.00                | Complies |
| 48      | 5240 MHz  | 10.05                   | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 2.96\text{dBi} < 6\text{dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 7.36                    | -3.01                         | 4.35                       | 30.00                            | Complies |
| 157     | 5785 MHz  | 10.48                   | -3.01                         | 7.47                       | 30.00                            | Complies |
| 165     | 5825 MHz  | 9.96                    | -3.01                         | 6.95                       | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 2.96\text{dBi} < 6\text{dBi}, \text{ so the limit doesn't reduce.}$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 6.21                    | 17.00                | Complies |
| 46      | 5230 MHz  | 7.66                    | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 2.96 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 2.08                    | -3.01                         | -0.93                      | 30.00                            | Complies |
| 159     | 5795 MHz  | 6.46                    | -3.01                         | 3.45                       | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 2.96 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$
**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 1.54                    | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 2.96 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | -1.51                   | -3.01                         | -4.52                      | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 2.96 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

|               |                                                                              |          |     |
|---------------|------------------------------------------------------------------------------|----------|-----|
| Temperature   | 25°C                                                                         | Humidity | 46% |
| Test Engineer | Lucas Huang                                                                  |          |     |
| Test Mode     | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX) |          |     |

#### Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 11.67                   | 17.00                | Complies |
| 40      | 5200 MHz  | 11.72                   | 17.00                | Complies |
| 48      | 5240 MHz  | 11.73                   | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.81 \text{ dBi} < 6 \text{ dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 8.92                    | -3.01                         | 5.91                       | 30.00                            | Complies |
| 157     | 5785 MHz  | 11.41                   | -3.01                         | 8.40                       | 30.00                            | Complies |
| 165     | 5825 MHz  | 9.66                    | -3.01                         | 6.65                       | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.81 \text{ dBi} < 6 \text{ dBi}, \text{ so the limit doesn't reduce.}$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 7.35                    | 17.00                | Complies |
| 46      | 5230 MHz  | 8.97                    | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.81 \text{ dBi} < 6 \text{ dBi, so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 4.36                    | -3.01                         | 1.35                       | 30.00                            | Complies |
| 159     | 5795 MHz  | 7.74                    | -3.01                         | 4.73                       | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.81 \text{ dBi} < 6 \text{ dBi, so the limit doesn't reduce.}$$
**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 2.84                    | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.81 \text{ dBi} < 6 \text{ dBi, so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | -0.06                   | -3.01                         | -3.07                      | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.81 \text{ dBi} < 6 \text{ dBi, so the limit doesn't reduce.}$$

|               |                                                                              |          |     |
|---------------|------------------------------------------------------------------------------|----------|-----|
| Temperature   | 25°C                                                                         | Humidity | 46% |
| Test Engineer | Lucas Huang                                                                  |          |     |
| Test Mode     | Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX) |          |     |

#### Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 13.02                   | 15.90                | Complies |
| 40      | 5200 MHz  | 13.68                   | 15.90                | Complies |
| 48      | 5240 MHz  | 13.20                   | 15.90                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 7.10 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (7.10 - 6) = 15.90 \text{ dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 9.04                    | -3.01                         | 6.03                       | 28.90                            | Complies |
| 157     | 5785 MHz  | 13.15                   | -3.01                         | 10.14                      | 28.90                            | Complies |
| 165     | 5825 MHz  | 10.68                   | -3.01                         | 7.67                       | 28.90                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 7.10 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (7.10 - 6) = 28.90 \text{ dBm/500kHz}.$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 9.27                    | 15.90                | Complies |
| 46      | 5230 MHz  | 10.19                   | 15.90                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 7.10 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (7.10 - 6) = 15.90 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 3.68                    | -3.01                         | 0.67                       | 28.90                            | Complies |
| 159     | 5795 MHz  | 6.31                    | -3.01                         | 3.30                       | 28.90                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 7.10 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (7.10 - 6) = 28.90 \text{ dBm/500kHz.}$$
**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 3.87                    | 15.90                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 7.10 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (7.10 - 6) = 15.90 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | 0.73                    | -3.01                         | -2.28                      | 28.90                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 7.10 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (7.10 - 6) = 28.90 \text{ dBm/500kHz.}$$

|               |                                              |          |     |
|---------------|----------------------------------------------|----------|-----|
| Temperature   | 25°C                                         | Humidity | 46% |
| Test Engineer | Lucas Huang                                  |          |     |
| Test Mode     | Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX) |          |     |

For indoor / outdoor use

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 10.22                   | 17.00                | Complies |
| 40      | 5200 MHz  | 10.02                   | 17.00                | Complies |
| 48      | 5240 MHz  | 10.05                   | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.67 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 7.08                    | -3.01                         | 4.07                       | 30.00                            | Complies |
| 157     | 5785 MHz  | 10.48                   | -3.01                         | 7.47                       | 30.00                            | Complies |
| 165     | 5825 MHz  | 9.09                    | -3.01                         | 6.08                       | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.67 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$



**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 4.61                    | 17.00                | Complies |
| 46      | 5230 MHz  | 7.66                    | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.67 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 2.08                    | -3.01                         | -0.93                      | 30.00                            | Complies |
| 159     | 5795 MHz  | 5.75                    | -3.01                         | 2.74                       | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.67 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$
**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 1.14                    | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.67 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | -1.08                   | -3.01                         | -4.09                      | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.67 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

|               |                                              |          |     |
|---------------|----------------------------------------------|----------|-----|
| Temperature   | 25°C                                         | Humidity | 46% |
| Test Engineer | Lucas Huang                                  |          |     |
| Test Mode     | Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX) |          |     |

#### Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 10.69                   | 15.57                | Complies |
| 40      | 5200 MHz  | 11.72                   | 15.57                | Complies |
| 48      | 5240 MHz  | 11.73                   | 15.57                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 7.43 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 17 - (7.43 - 6) = 15.57 \text{dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 8.96                    | -3.01                         | 5.95                       | 28.57                            | Complies |
| 157     | 5785 MHz  | 11.41                   | -3.01                         | 8.40                       | 28.57                            | Complies |
| 165     | 5825 MHz  | 9.41                    | -3.01                         | 6.40                       | 28.57                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 7.43 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 30 - (7.43 - 6) = 28.57 \text{dBm/500kHz}.$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 5.85                    | 15.57                | Complies |
| 46      | 5230 MHz  | 8.97                    | 15.57                | Complies |

Note:  

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 7.43 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (7.43 - 6) = 15.57 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 2.45                    | -3.01                         | -0.56                      | 28.57                            | Complies |
| 159     | 5795 MHz  | 6.28                    | -3.01                         | 3.27                       | 28.57                            | Complies |

Note:  

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 7.43 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (7.43 - 6) = 28.57 \text{ dBm/500kHz.}$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 2.06                    | 15.57                | Complies |

Note:  

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 7.43 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (7.43 - 6) = 15.57 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | -1.04                   | -3.01                         | -4.05                      | 28.57                            | Complies |

Note:  

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 7.43 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (7.43 - 6) = 28.57 \text{ dBm/500kHz.}$$

|               |                                              |          |     |
|---------------|----------------------------------------------|----------|-----|
| Temperature   | 25°C                                         | Humidity | 46% |
| Test Engineer | Lucas Huang                                  |          |     |
| Test Mode     | Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX) |          |     |

#### Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 13.02                   | 14.32                | Complies |
| 40      | 5200 MHz  | 13.68                   | 14.32                | Complies |
| 48      | 5240 MHz  | 13.20                   | 14.32                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.68 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 17 - (8.68 - 6) = 14.32 \text{dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 9.11                    | -3.01                         | 6.10                       | 27.32                            | Complies |
| 157     | 5785 MHz  | 13.15                   | -3.01                         | 10.14                      | 27.32                            | Complies |
| 165     | 5825 MHz  | 11.43                   | -3.01                         | 8.42                       | 27.32                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.68 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 30 - (8.68 - 6) = 27.32 \text{dBm/500kHz}.$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 8.08                    | 14.32                | Complies |
| 46      | 5230 MHz  | 10.19                   | 14.32                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.68 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (8.68 - 6) = 14.32 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 2.29                    | -3.01                         | -0.72                      | 27.32                            | Complies |
| 159     | 5795 MHz  | 7.24                    | -3.01                         | 4.23                       | 27.32                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.68 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (8.68 - 6) = 27.32 \text{ dBm/500kHz.}$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 3.12                    | 14.32                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.68 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (8.68 - 6) = 14.32 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | -0.52                   | -3.01                         | -3.53                      | 27.32                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.68 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (8.68 - 6) = 27.32 \text{ dBm/500kHz.}$$

|               |                                                        |          |     |
|---------------|--------------------------------------------------------|----------|-----|
| Temperature   | 25°C                                                   | Humidity | 46% |
| Test Engineer | Lucas Huang                                            |          |     |
| Test Mode     | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX) |          |     |

For indoor / outdoor use

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 10.22                   | 17.00                | Complies |
| 40      | 5200 MHz  | 10.02                   | 17.00                | Complies |
| 48      | 5240 MHz  | 10.05                   | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 3.89\text{dBi} < 6\text{dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 7.73                    | -3.01                         | 4.72                       | 30.00                            | Complies |
| 157     | 5785 MHz  | 10.48                   | -3.01                         | 7.47                       | 30.00                            | Complies |
| 165     | 5825 MHz  | 7.90                    | -3.01                         | 4.89                       | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 3.89\text{dBi} < 6\text{dBi}, \text{ so the limit doesn't reduce.}$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 6.05                    | 17.00                | Complies |
| 46      | 5230 MHz  | 7.66                    | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 3.89 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 2.08                    | -3.01                         | -0.93                      | 30.00                            | Complies |
| 159     | 5795 MHz  | 5.74                    | -3.01                         | 2.73                       | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 3.89 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$
**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 1.48                    | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 3.89 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | -1.08                   | -3.01                         | -4.09                      | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 3.89 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

|               |                                                        |          |     |
|---------------|--------------------------------------------------------|----------|-----|
| Temperature   | 25°C                                                   | Humidity | 46% |
| Test Engineer | Lucas Huang                                            |          |     |
| Test Mode     | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX) |          |     |

#### Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 11.41                   | 17.00                | Complies |
| 40      | 5200 MHz  | 11.72                   | 17.00                | Complies |
| 48      | 5240 MHz  | 11.73                   | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.65 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 8.69                    | -3.01                         | 5.68                       | 30.00                            | Complies |
| 157     | 5785 MHz  | 11.47                   | -3.01                         | 8.46                       | 30.00                            | Complies |
| 165     | 5825 MHz  | 9.28                    | -3.01                         | 6.27                       | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.65 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$



**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 5.85                    | 17.00                | Complies |
| 46      | 5230 MHz  | 8.97                    | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.65 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 2.43                    | -3.01                         | -0.58                      | 30.00                            | Complies |
| 159     | 5795 MHz  | 7.74                    | -3.01                         | 4.73                       | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.65 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$
**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 2.06                    | 17.00                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.65 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | -2.27                   | -3.01                         | -5.28                      | 30.00                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.65 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

|               |                                                        |          |     |
|---------------|--------------------------------------------------------|----------|-----|
| Temperature   | 25°C                                                   | Humidity | 46% |
| Test Engineer | Lucas Huang                                            |          |     |
| Test Mode     | Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX) |          |     |

**Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 11.99                   | 16.10                | Complies |
| 40      | 5200 MHz  | 13.68                   | 16.10                | Complies |
| 48      | 5240 MHz  | 13.20                   | 16.10                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.90 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 17 - (6.90 - 6) = 16.10 \text{dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 8.81                    | -3.01                         | 5.80                       | 29.10                            | Complies |
| 157     | 5785 MHz  | 13.15                   | -3.01                         | 10.14                      | 29.10                            | Complies |
| 165     | 5825 MHz  | 10.05                   | -3.01                         | 7.04                       | 29.10                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.90 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 30 - (6.90 - 6) = 29.10 \text{dBm/500kHz}.$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 7.91                    | 16.10                | Complies |
| 46      | 5230 MHz  | 10.19                   | 16.10                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.90 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (6.90 - 6) = 16.10 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 3.35                    | -3.01                         | 0.34                       | 29.10                            | Complies |
| 159     | 5795 MHz  | 5.94                    | -3.01                         | 2.93                       | 29.10                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.90 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (6.90 - 6) = 29.10 \text{ dBm/500kHz.}$$
**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 3.57                    | 16.10                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.90 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (6.90 - 6) = 16.10 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | -0.27                   | -3.01                         | -3.28                      | 29.10                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.90 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (6.90 - 6) = 29.10 \text{ dBm/500kHz.}$$

|               |                                              |          |     |
|---------------|----------------------------------------------|----------|-----|
| Temperature   | 25°C                                         | Humidity | 46% |
| Test Engineer | Lucas Huang                                  |          |     |
| Test Mode     | Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX) |          |     |

For indoor use

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 10.22                   | 16.73                | Complies |
| 40      | 5200 MHz  | 10.02                   | 16.73                | Complies |
| 48      | 5240 MHz  | 10.05                   | 16.73                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.27 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (6.27 - 6) = 16.73 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 8.18                    | -3.01                         | 5.17                       | 29.73                            | Complies |
| 157     | 5785 MHz  | 10.48                   | -3.01                         | 7.47                       | 29.73                            | Complies |
| 165     | 5825 MHz  | 8.78                    | -3.01                         | 5.77                       | 29.73                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.27 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (6.27 - 6) = 29.73 \text{ dBm/500kHz.}$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 6.21                    | 16.73                | Complies |
| 46      | 5230 MHz  | 7.66                    | 16.73                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.27 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (6.27 - 6) = 16.73 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 3.08                    | -3.01                         | 0.07                       | 29.73                            | Complies |
| 159     | 5795 MHz  | 6.41                    | -3.01                         | 3.40                       | 29.73                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.27 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (6.27 - 6) = 29.73 \text{ dBm/500kHz.}$$
**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 1.14                    | 16.73                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.27 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (6.27 - 6) = 16.73 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | -1.50                   | -3.01                         | -4.51                      | 29.73                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.27 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (6.27 - 6) = 29.73 \text{ dBm/500kHz.}$$

|               |                                              |          |     |
|---------------|----------------------------------------------|----------|-----|
| Temperature   | 25°C                                         | Humidity | 46% |
| Test Engineer | Lucas Huang                                  |          |     |
| Test Mode     | Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX) |          |     |

#### Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 11.67                   | 14.97                | Complies |
| 40      | 5200 MHz  | 11.72                   | 14.97                | Complies |
| 48      | 5240 MHz  | 11.63                   | 14.97                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.03 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 17 - (8.03 - 6) = 14.97 \text{dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 8.92                    | -3.01                         | 5.91                       | 27.97                            | Complies |
| 157     | 5785 MHz  | 11.41                   | -3.01                         | 8.40                       | 27.97                            | Complies |
| 165     | 5825 MHz  | 10.24                   | -3.01                         | 7.23                       | 27.97                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.03 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 30 - (8.03 - 6) = 27.97 \text{dBm/500kHz}.$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 6.84                    | 14.97                | Complies |
| 46      | 5230 MHz  | 8.97                    | 14.97                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.03 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (8.03 - 6) = 14.97 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 3.51                    | -3.01                         | 0.50                       | 27.97                            | Complies |
| 159     | 5795 MHz  | 6.28                    | -3.01                         | 3.27                       | 27.97                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.03 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (8.03 - 6) = 27.97 \text{ dBm/500kHz.}$$
**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 3.12                    | 14.97                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.03 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (8.03 - 6) = 14.97 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | 0.74                    | -3.01                         | -2.27                      | 27.97                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.03 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (8.03 - 6) = 27.97 \text{ dBm/500kHz.}$$

|               |                                              |          |     |
|---------------|----------------------------------------------|----------|-----|
| Temperature   | 25°C                                         | Humidity | 46% |
| Test Engineer | Lucas Huang                                  |          |     |
| Test Mode     | Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX) |          |     |

#### Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 13.02                   | 13.72                | Complies |
| 40      | 5200 MHz  | 13.68                   | 13.72                | Complies |
| 48      | 5240 MHz  | 13.20                   | 13.72                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.28 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 17 - (9.28 - 6) = 13.72 \text{dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 8.68                    | -3.01                         | 5.67                       | 26.72                            | Complies |
| 157     | 5785 MHz  | 13.15                   | -3.01                         | 10.14                      | 26.72                            | Complies |
| 165     | 5825 MHz  | 9.37                    | -3.01                         | 6.36                       | 26.72                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.28 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 30 - (9.28 - 6) = 26.72 \text{dBm/500kHz}.$$



**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 8.65                    | 13.72                | Complies |
| 46      | 5230 MHz  | 10.19                   | 13.72                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.28 \text{ dBi} > 6 \text{ dBi, so the limit } 17 - (9.28 - 6) = 13.72 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 3.85                    | -3.01                         | 0.84                       | 26.72                            | Complies |
| 159     | 5795 MHz  | 6.54                    | -3.01                         | 3.53                       | 26.72                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.28 \text{ dBi} > 6 \text{ dBi, so the limit } 30 - (9.28 - 6) = 26.72 \text{ dBm/500kHz.}$$
**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 4.56                    | 13.72                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.28 \text{ dBi} > 6 \text{ dBi, so the limit } 17 - (9.28 - 6) = 13.72 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | -0.57                   | -3.01                         | -3.58                      | 26.72                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.28 \text{ dBi} > 6 \text{ dBi, so the limit } 30 - (9.28 - 6) = 26.72 \text{ dBm/500kHz.}$$

|               |                                                                          |          |     |
|---------------|--------------------------------------------------------------------------|----------|-----|
| Temperature   | 25°C                                                                     | Humidity | 46% |
| Test Engineer | Lucas Huang                                                              |          |     |
| Test Mode     | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX) |          |     |

For indoor / outdoor use

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 10.05                   | 13.24                | Complies |
| 40      | 5200 MHz  | 9.82                    | 13.24                | Complies |
| 48      | 5240 MHz  | 9.87                    | 13.24                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.76 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 17 - (9.76 - 6) = 13.24 \text{dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 7.08                    | -3.01                         | 4.07                       | 26.24                            | Complies |
| 157     | 5785 MHz  | 10.34                   | -3.01                         | 7.33                       | 26.24                            | Complies |
| 165     | 5825 MHz  | 8.31                    | -3.01                         | 5.30                       | 26.24                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.76 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 30 - (9.79 - 6) = 26.24 \text{dBm/500kHz}.$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 3.62                    | 13.24                | Complies |
| 46      | 5230 MHz  | 7.66                    | 13.24                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.76 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (9.76 - 6) = 13.24 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 2.12                    | -3.01                         | -0.89                      | 26.24                            | Complies |
| 159     | 5795 MHz  | 5.58                    | -3.01                         | 2.57                       | 26.24                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.76 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (9.79 - 6) = 26.24 \text{ dBm/500kHz.}$$
**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 0.28                    | 13.24                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.76 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (9.76 - 6) = 13.24 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | -1.51                   | -3.01                         | -4.52                      | 26.24                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.76 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (9.79 - 6) = 26.24 \text{ dBm/500kHz.}$$

|               |                                                                                           |          |     |
|---------------|-------------------------------------------------------------------------------------------|----------|-----|
| Temperature   | 25°C                                                                                      | Humidity | 46% |
| Test Engineer | Lucas Huang                                                                               |          |     |
| Test Mode     | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX) |          |     |

#### Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 11.41                   | 11.53                | Complies |
| 40      | 5200 MHz  | 11.31                   | 11.53                | Complies |
| 48      | 5240 MHz  | 11.37                   | 11.53                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 11.47 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 17 - (11.47 - 6) = 11.53 \text{dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 8.07                    | -3.01                         | 5.06                       | 24.53                            | Complies |
| 157     | 5785 MHz  | 9.52                    | -3.01                         | 6.51                       | 24.53                            | Complies |
| 165     | 5825 MHz  | 8.72                    | -3.01                         | 5.71                       | 24.53                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 11.47 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 30 - (11.47 - 6) = 24.53 \text{dBm/500kHz}.$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 3.70                    | 11.53                | Complies |
| 46      | 5230 MHz  | 7.58                    | 11.53                | Complies |

Note:  

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 11.47 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (11.47 - 6) = 11.53 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 2.45                    | -3.01                         | -0.56                      | 24.53                            | Complies |
| 159     | 5795 MHz  | 5.83                    | -3.01                         | 2.82                       | 24.53                            | Complies |

Note:  

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 11.47 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (11.47 - 6) = 24.53 \text{ dBm/500kHz.}$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 0.90                    | 11.53                | Complies |

Note:  

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 11.47 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (11.47 - 6) = 11.53 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | -1.04                   | -3.01                         | -4.05                      | 24.53                            | Complies |

Note:  

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 11.47 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (11.47 - 6) = 24.53 \text{ dBm/500kHz.}$$

|               |                                                                                                            |          |     |
|---------------|------------------------------------------------------------------------------------------------------------|----------|-----|
| Temperature   | 25°C                                                                                                       | Humidity | 46% |
| Test Engineer | Lucas Huang                                                                                                |          |     |
| Test Mode     | Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX) |          |     |

#### Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 8.52                    | 10.47                | Complies |
| 40      | 5200 MHz  | 10.25                   | 10.47                | Complies |
| 48      | 5240 MHz  | 10.18                   | 10.47                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.53 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 17 - (12.53 - 6) = 10.47 \text{dBm/MHz}.$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 8.84                    | -3.01                         | 5.83                       | 23.47                            | Complies |
| 157     | 5785 MHz  | 10.31                   | -3.01                         | 7.30                       | 23.47                            | Complies |
| 165     | 5825 MHz  | 10.11                   | -3.01                         | 7.10                       | 23.47                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.53 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 30 - (12.53 - 6) = 23.47 \text{dBm/500kHz}.$$

**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 4.35                    | 10.47                | Complies |
| 46      | 5230 MHz  | 7.51                    | 10.47                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.53 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (12.53 - 6) = 10.47 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 3.66                    | -3.01                         | 0.65                       | 23.47                            | Complies |
| 159     | 5795 MHz  | 5.15                    | -3.01                         | 2.14                       | 23.47                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.53 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (12.53 - 6) = 23.47 \text{ dBm/500kHz.}$$
**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 1.67                    | 10.47                | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.53 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 17 - (12.53 - 6) = 10.47 \text{ dBm/MHz.}$$

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | -0.59                   | -3.01                         | -3.60                      | 23.47                            | Complies |

Note:

$$Directional Gain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.53 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (12.53 - 6) = 23.47 \text{ dBm/500kHz.}$$

Note: All the test values were listed in the report.

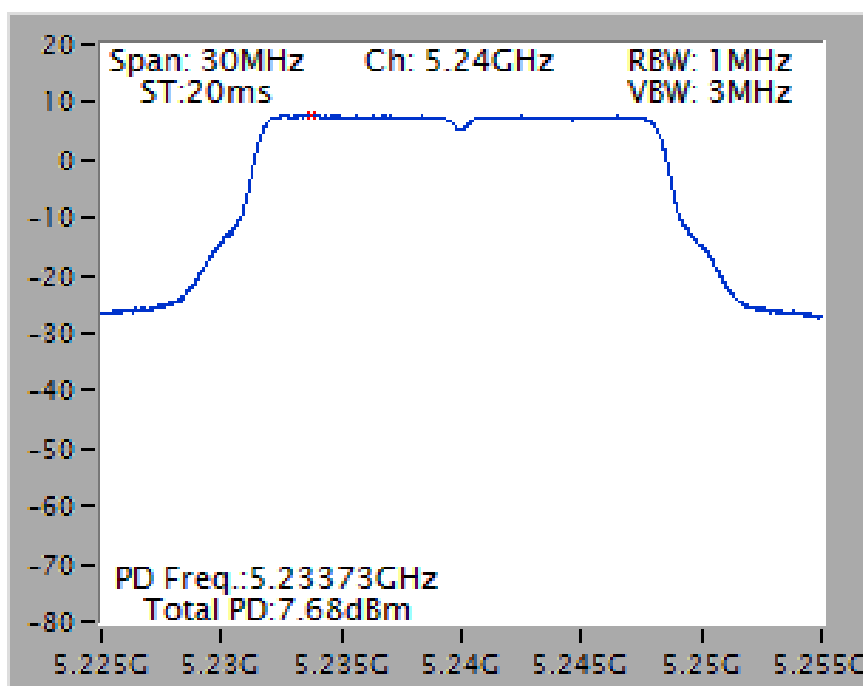
For plots, only the channel with worse result was shown.

For Non-Beamforming Mode

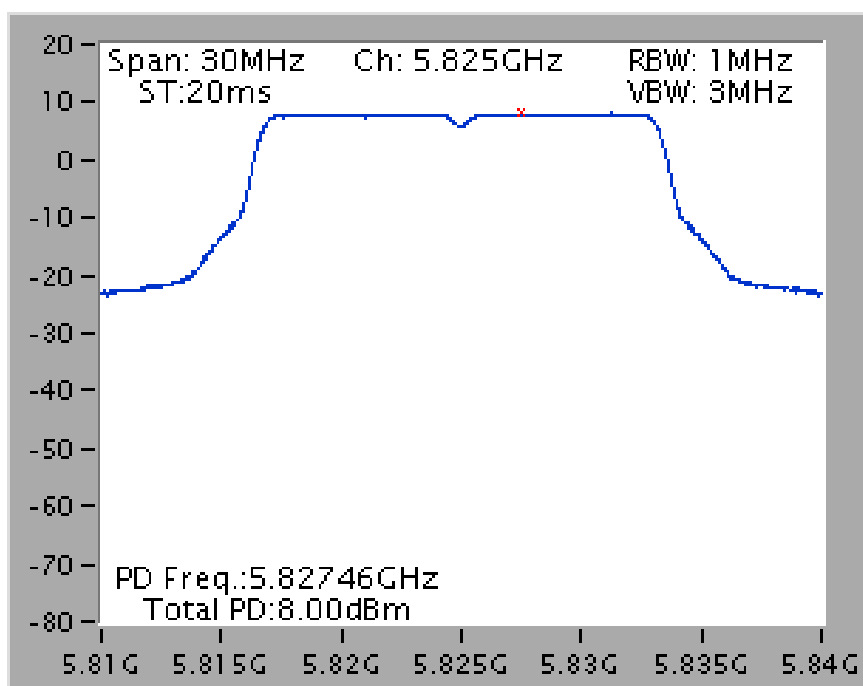
For indoor / outdoor use

Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)

Power Density Plot on Configuration IEEE 802.11a / Chain 1 / 5240 MHz

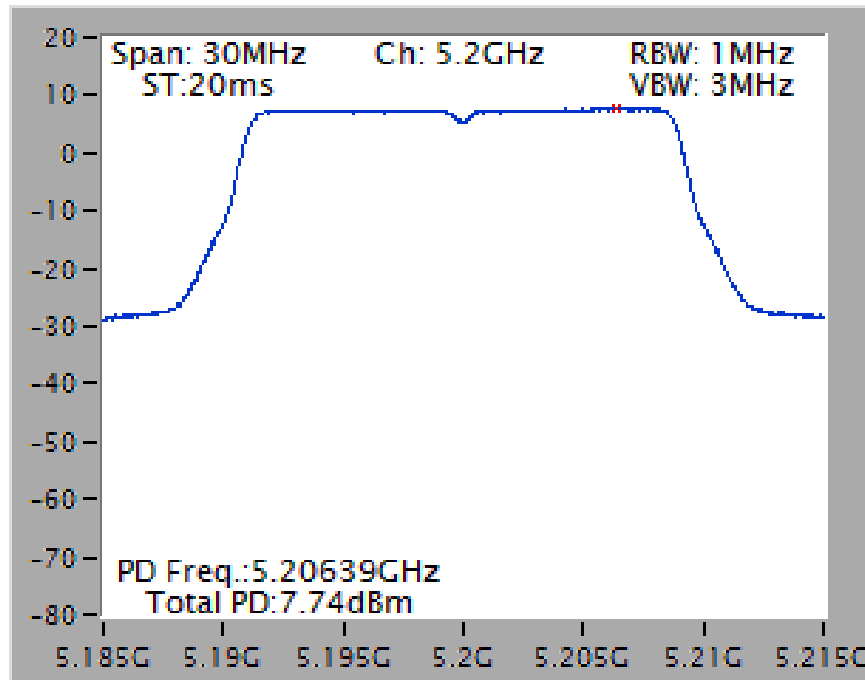


Power Density Plot on Configuration IEEE 802.11a / Chain 1 / 5825 MHz

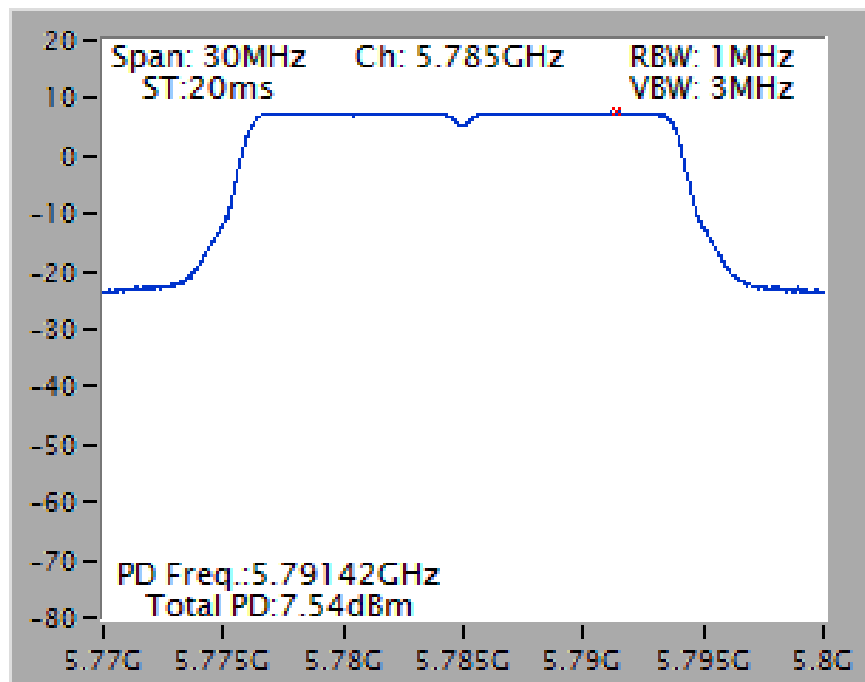




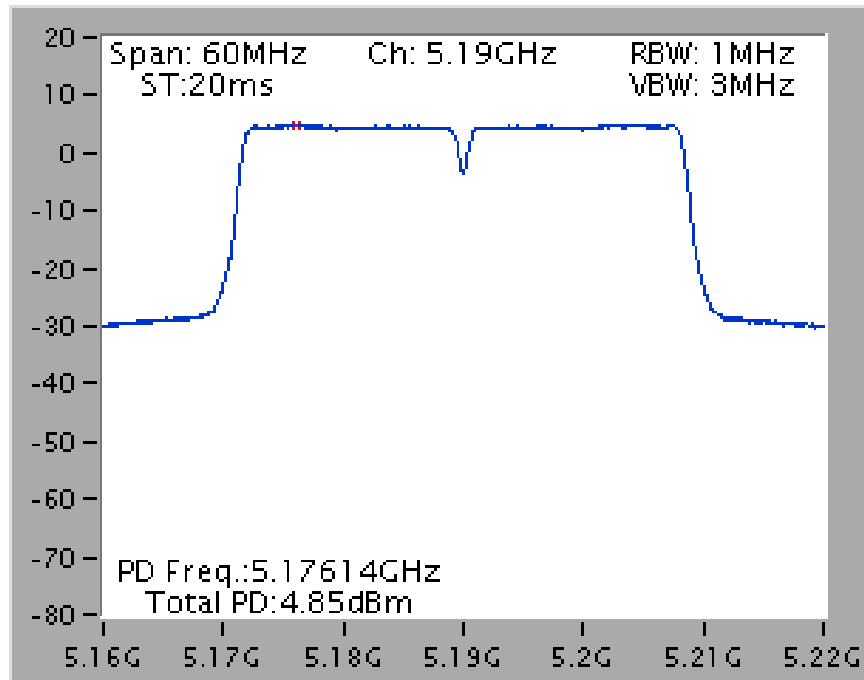
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5200 MHz



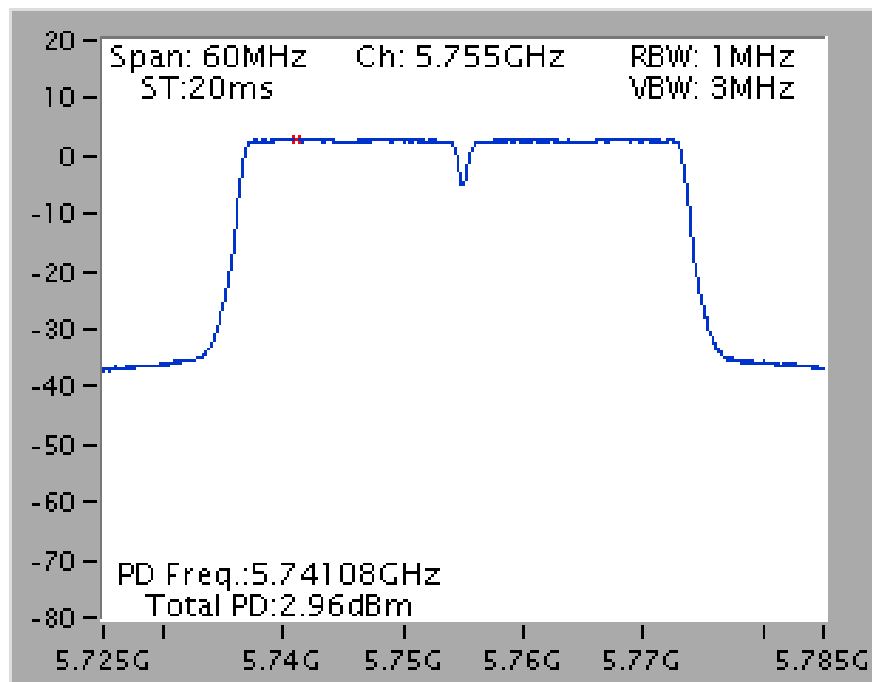
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5785 MHz



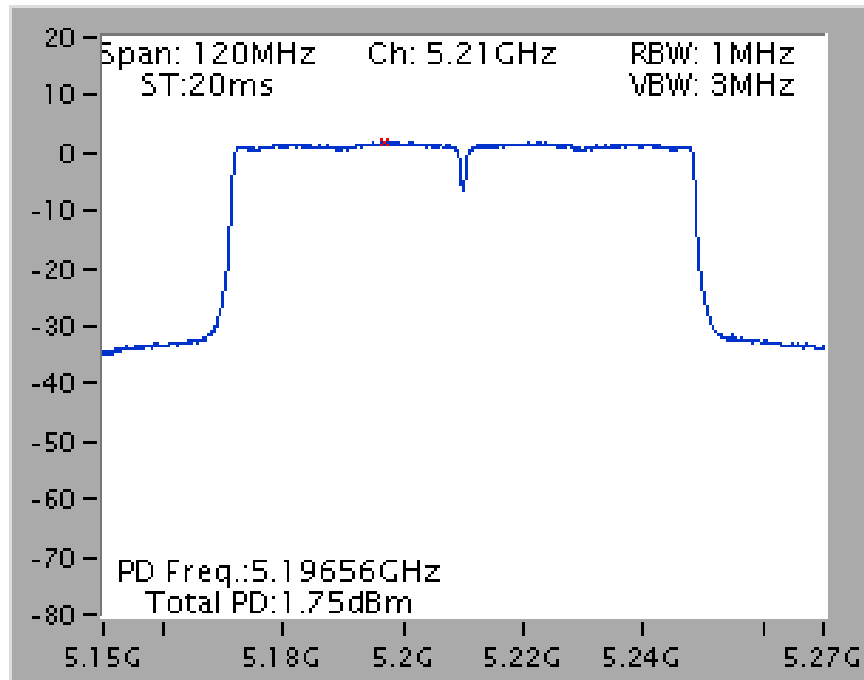
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5190 MHz



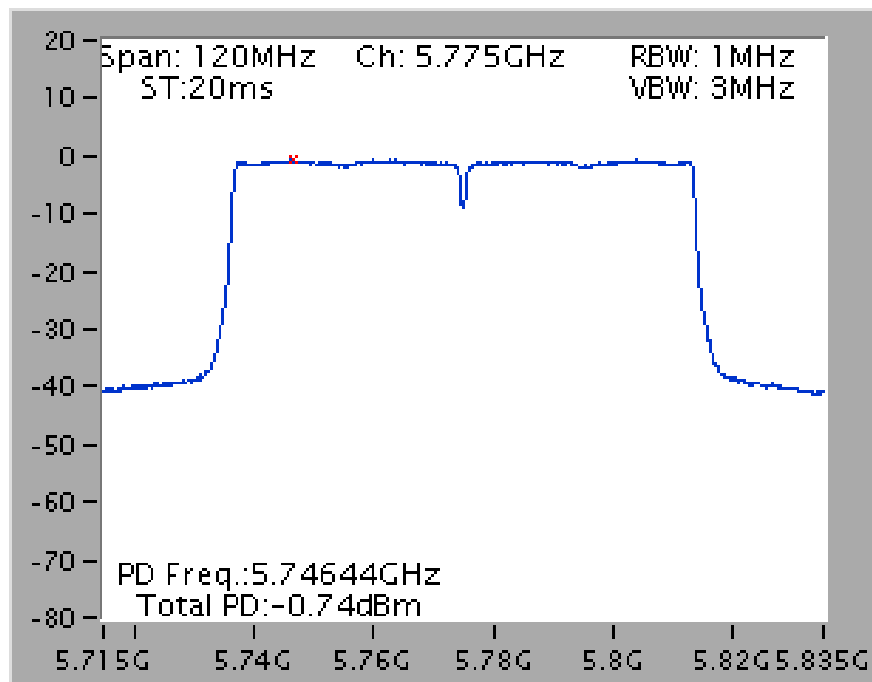
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5755 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5210 MHz

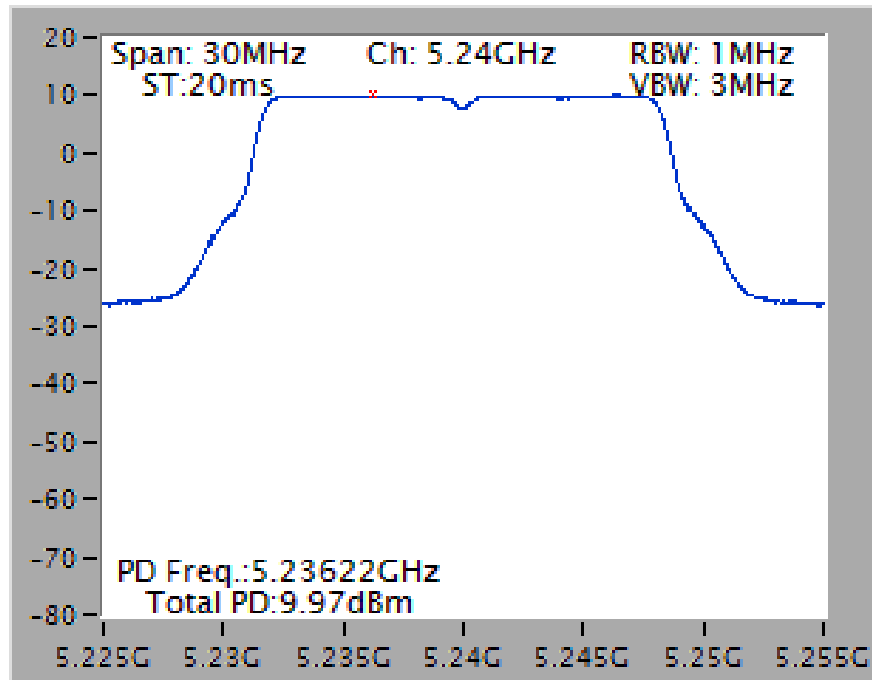


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5775 MHz

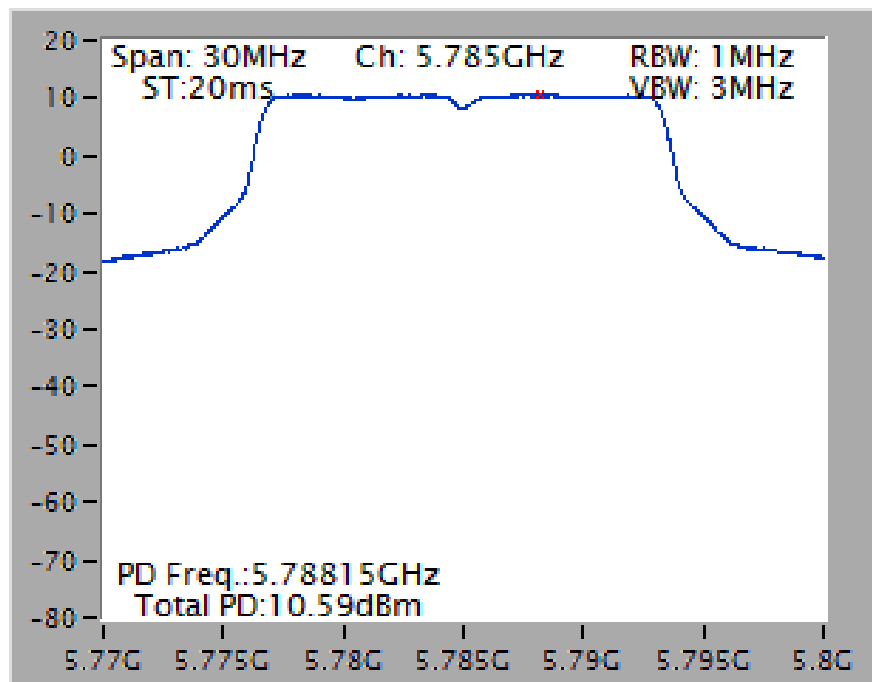


Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)

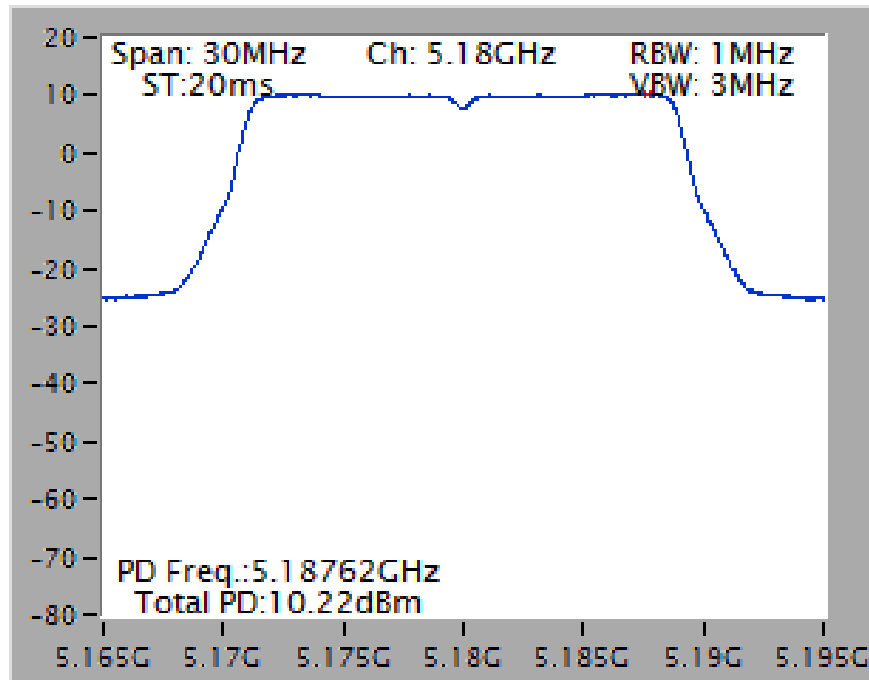
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 / 5240 MHz



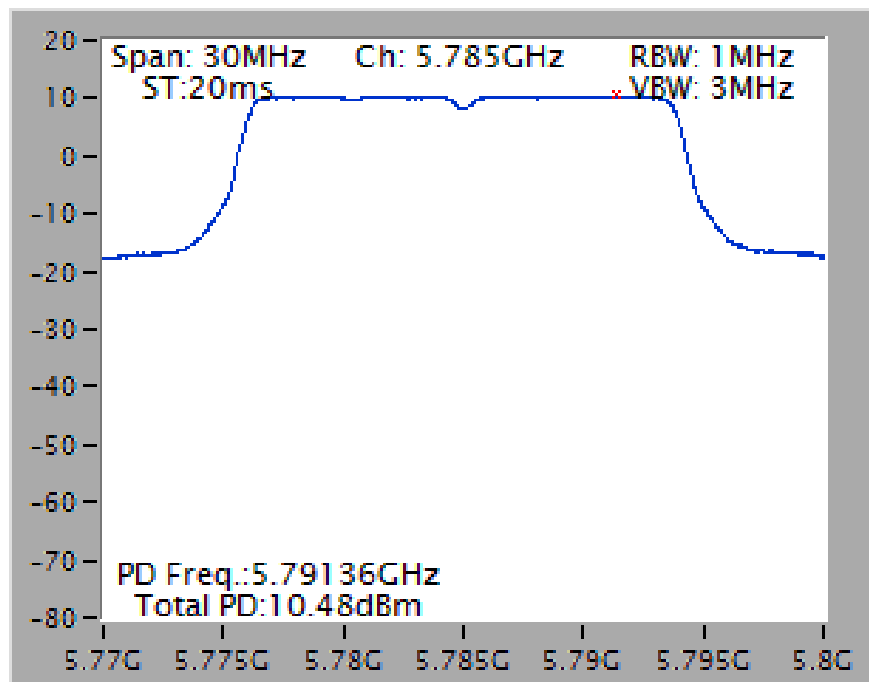
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 / 5785 MHz



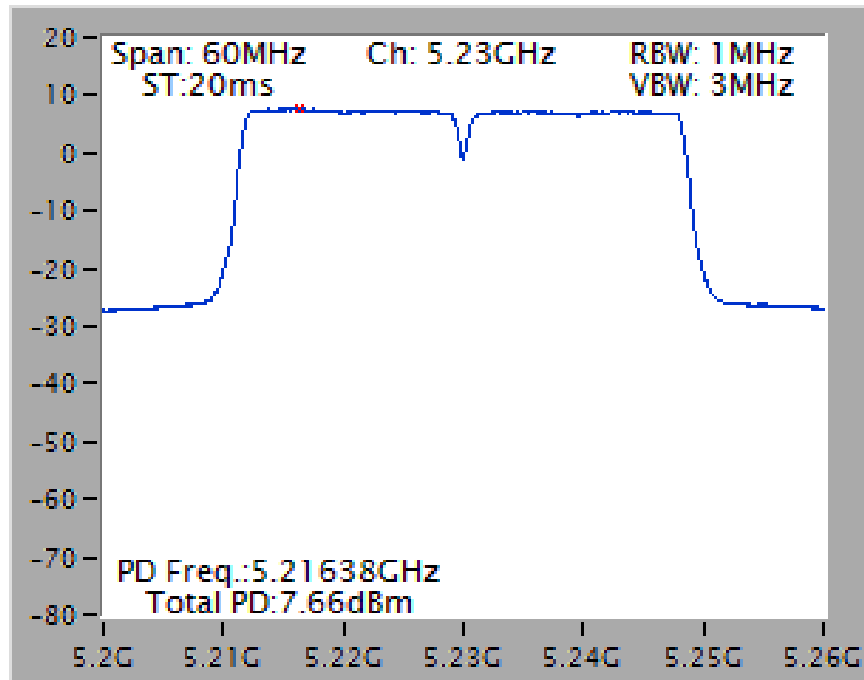
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5180 MHz



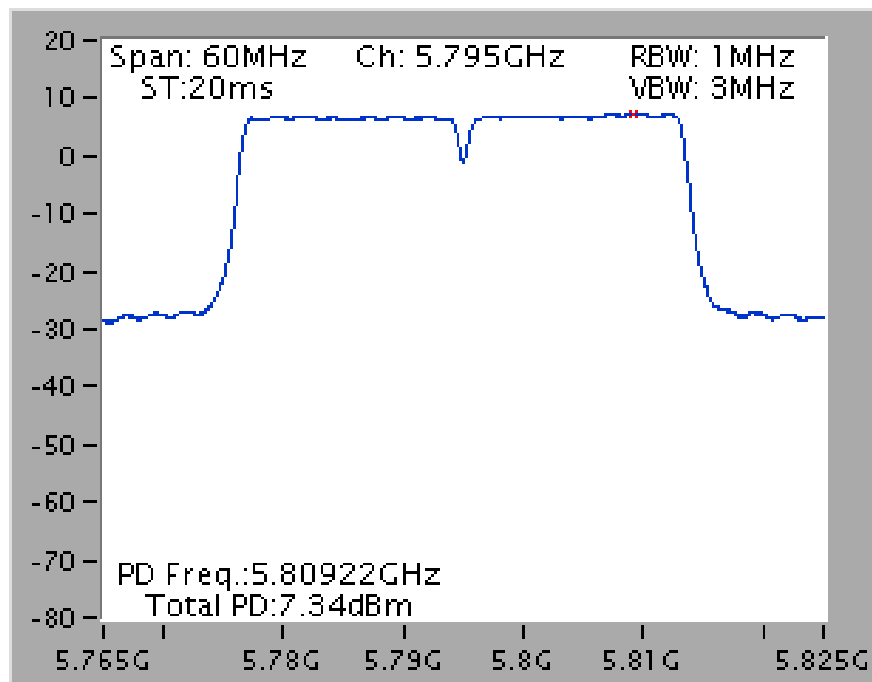
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5785 MHz



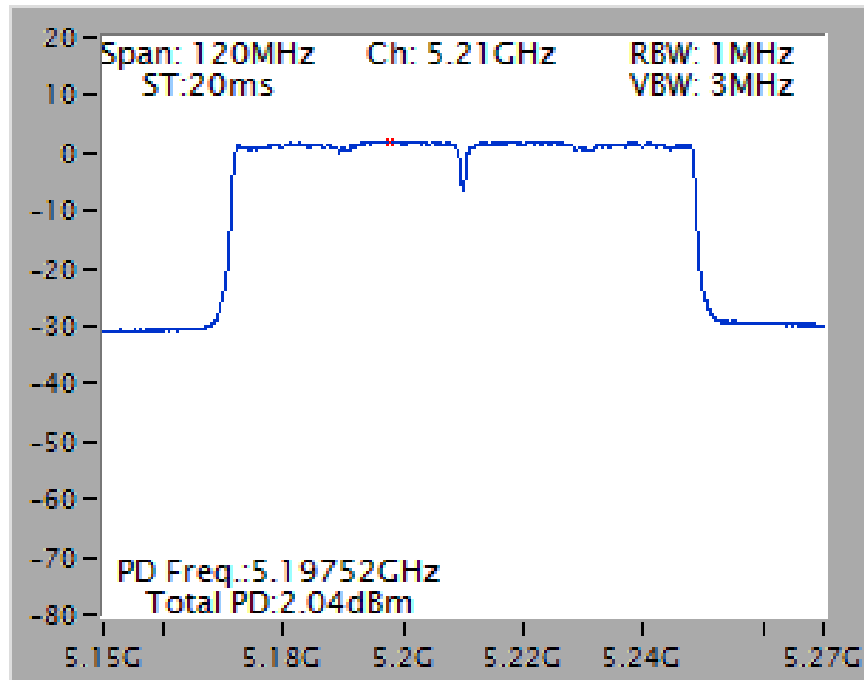
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5230 MHz



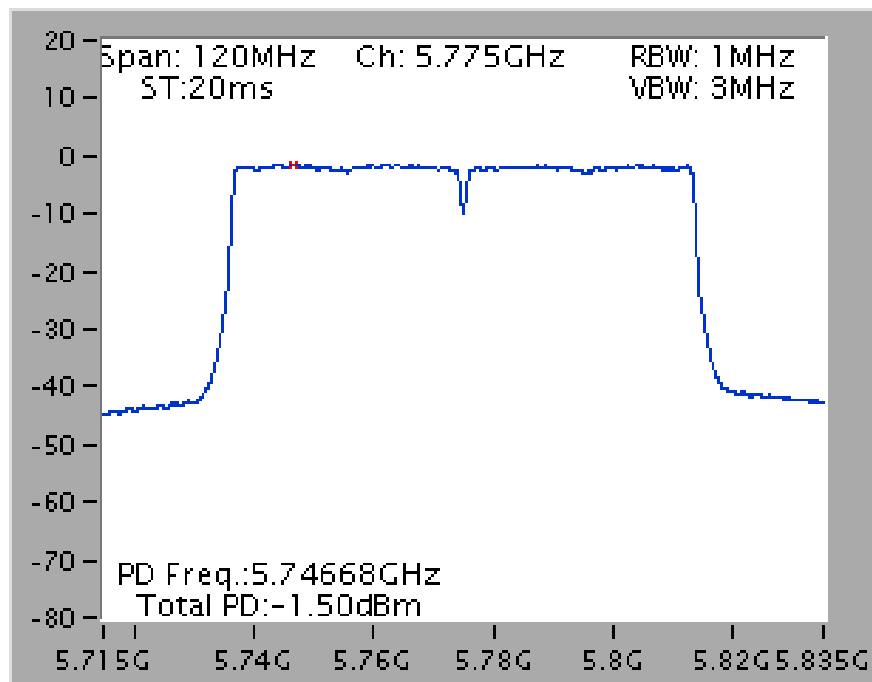
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5210 MHz

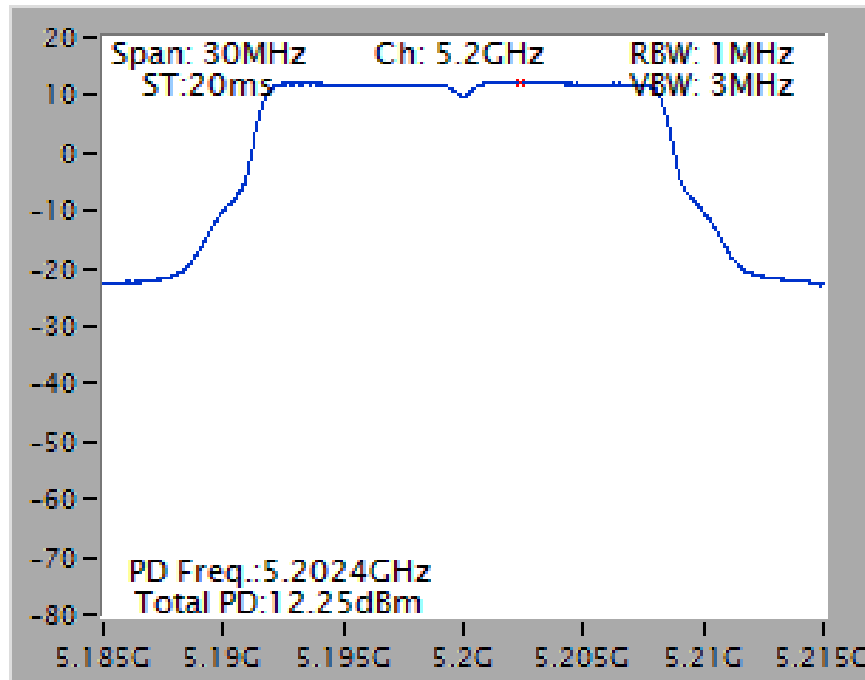


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5775 MHz

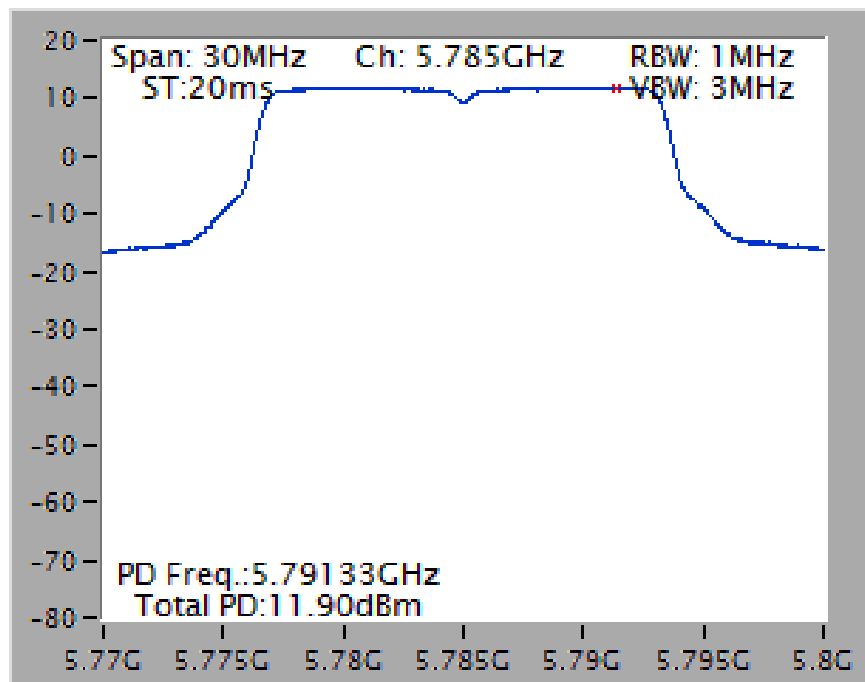


Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)

Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5200 MHz

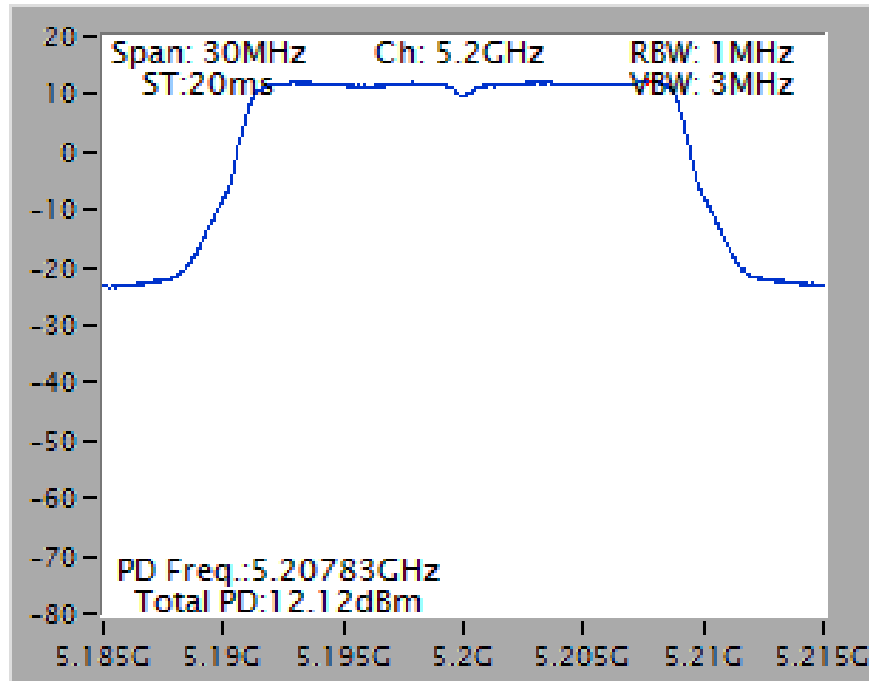


Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5785 MHz

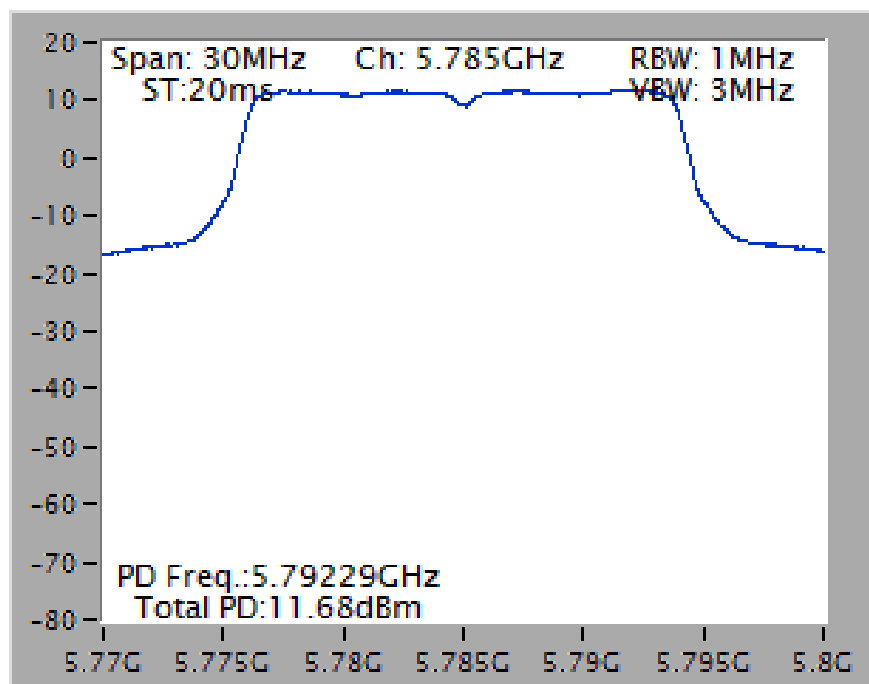




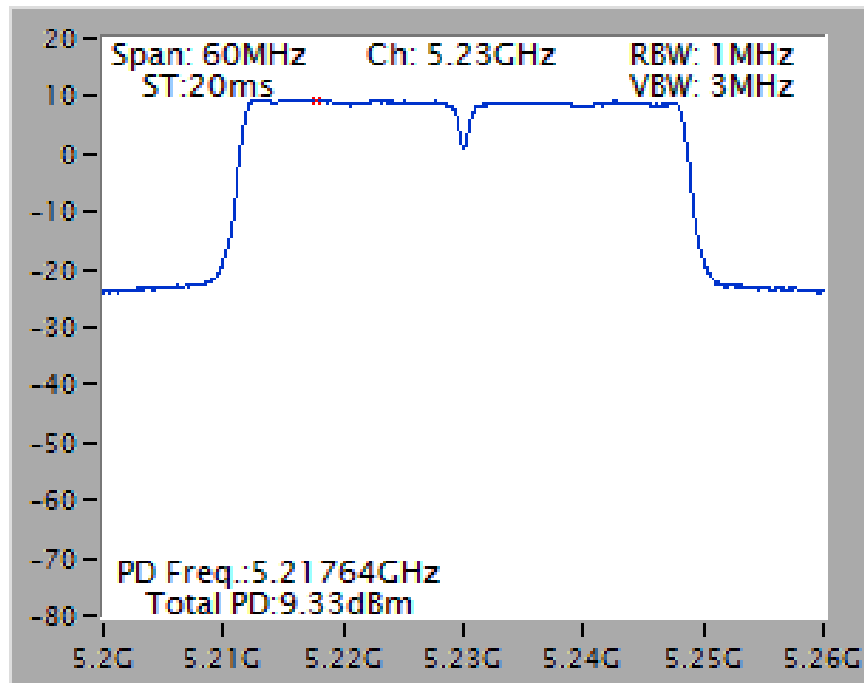
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 /  
5200 MHz



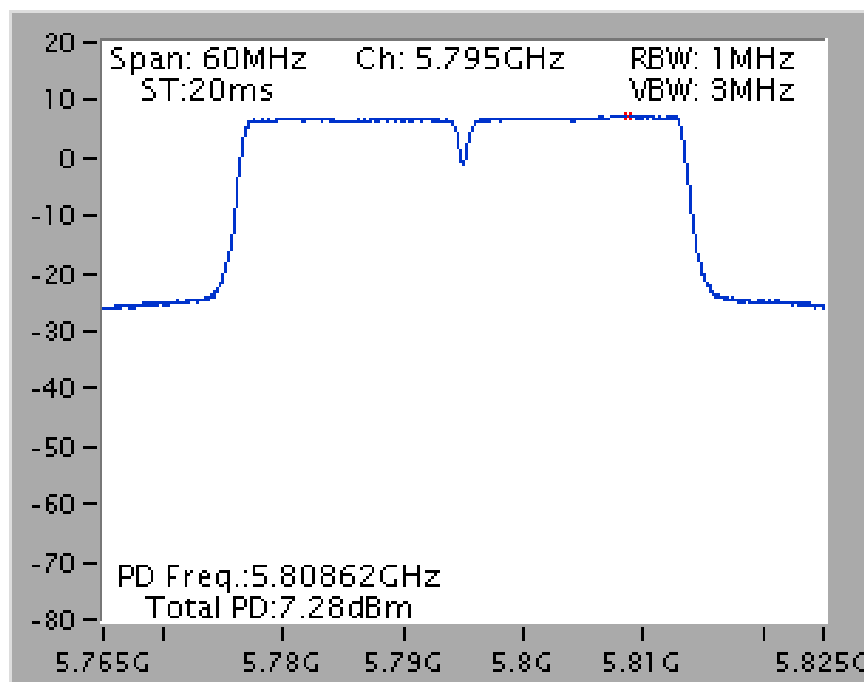
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 /  
5785 MHz



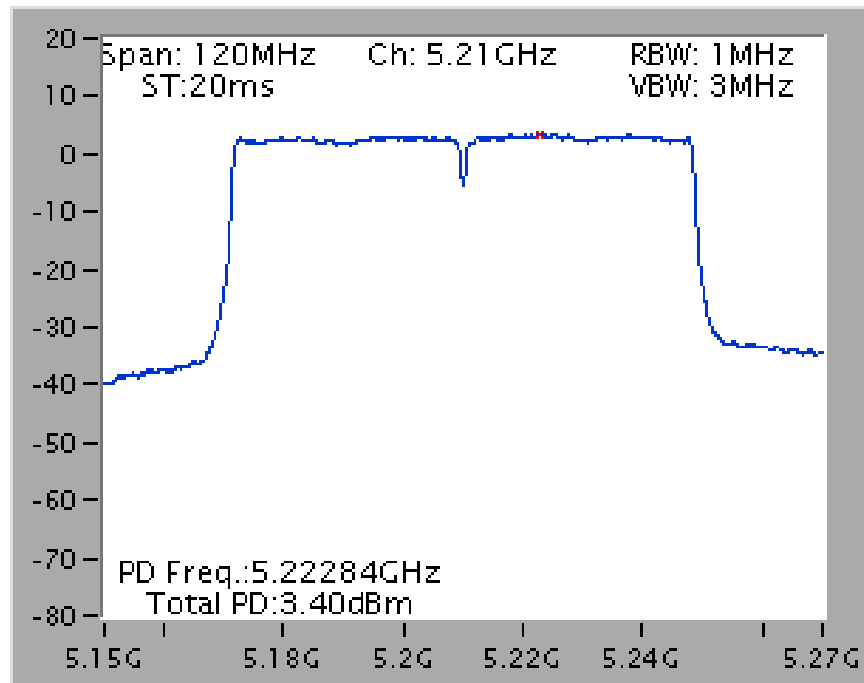
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 /  
5230 MHz



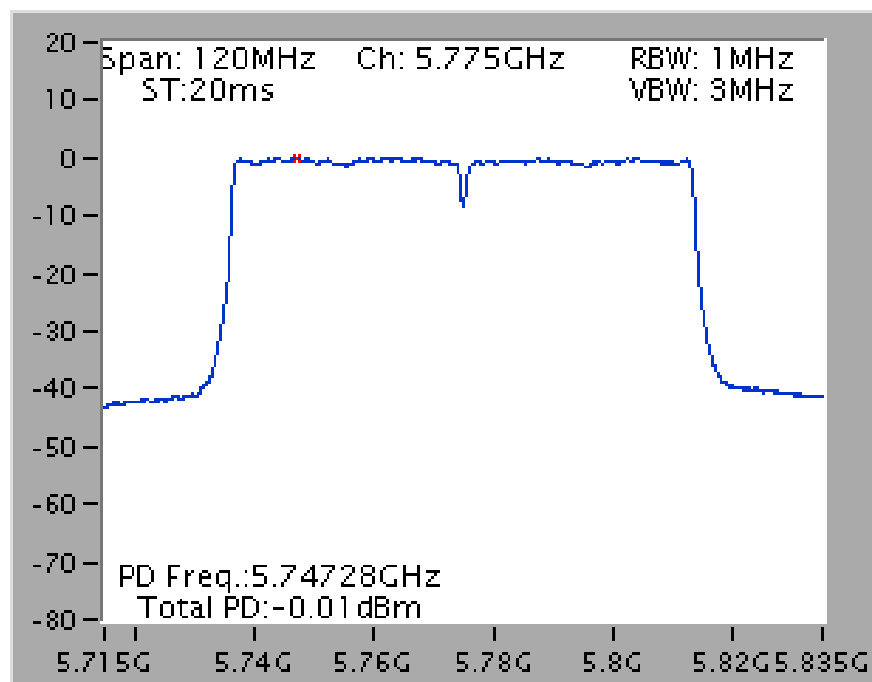
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 /  
5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 /  
5210 MHz

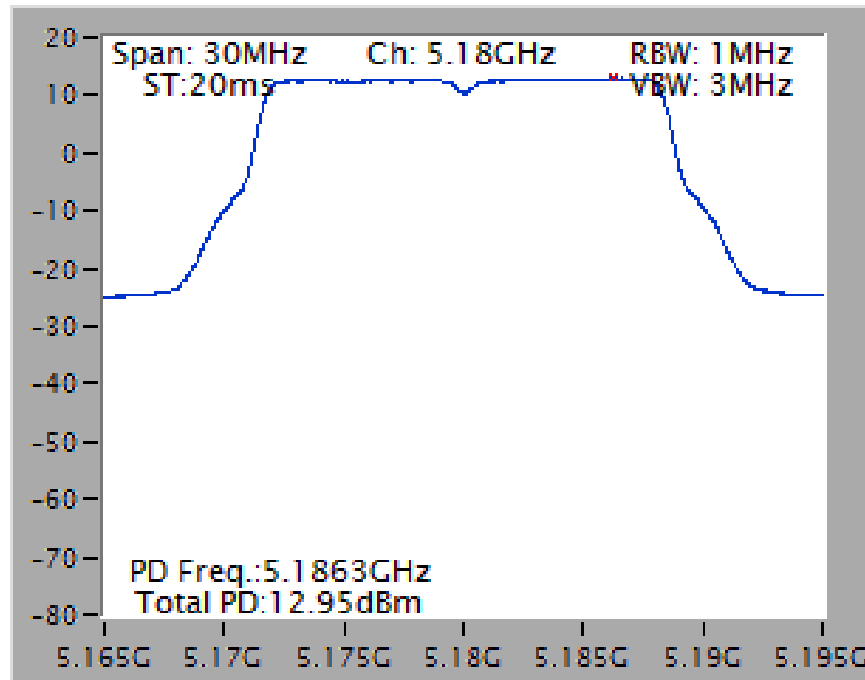


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 /  
5775 MHz

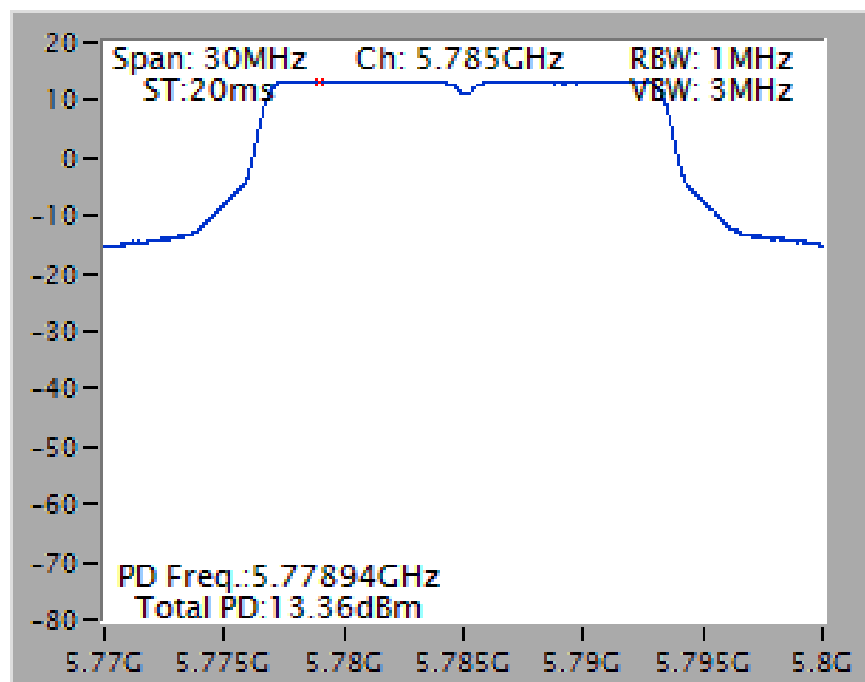


Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)

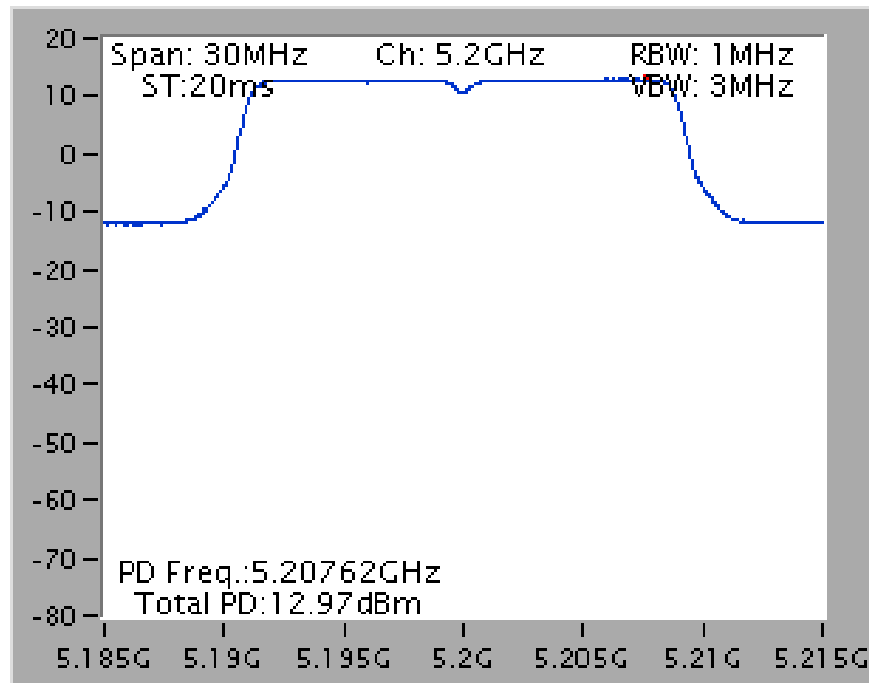
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5180 MHz



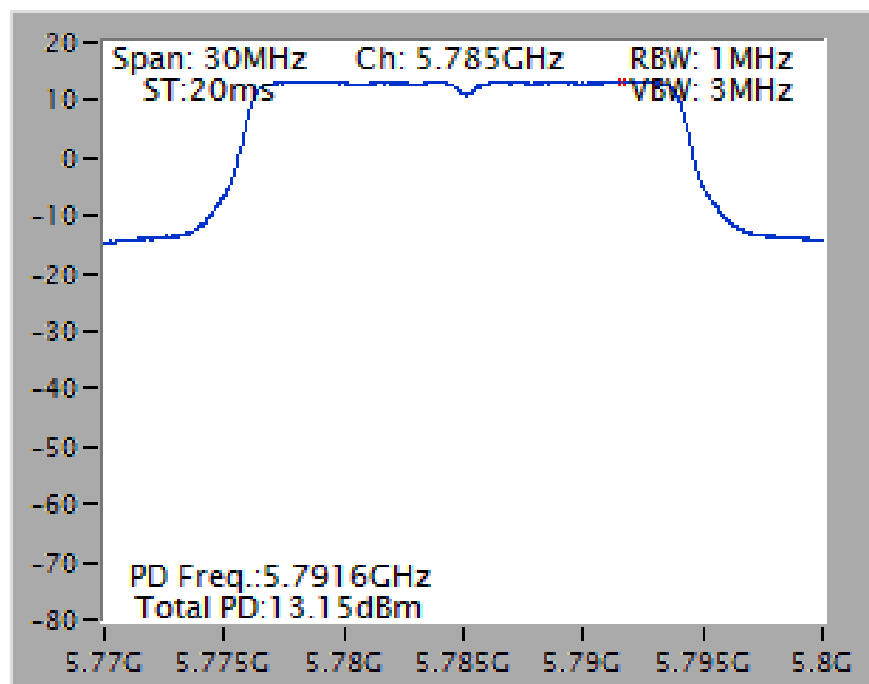
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



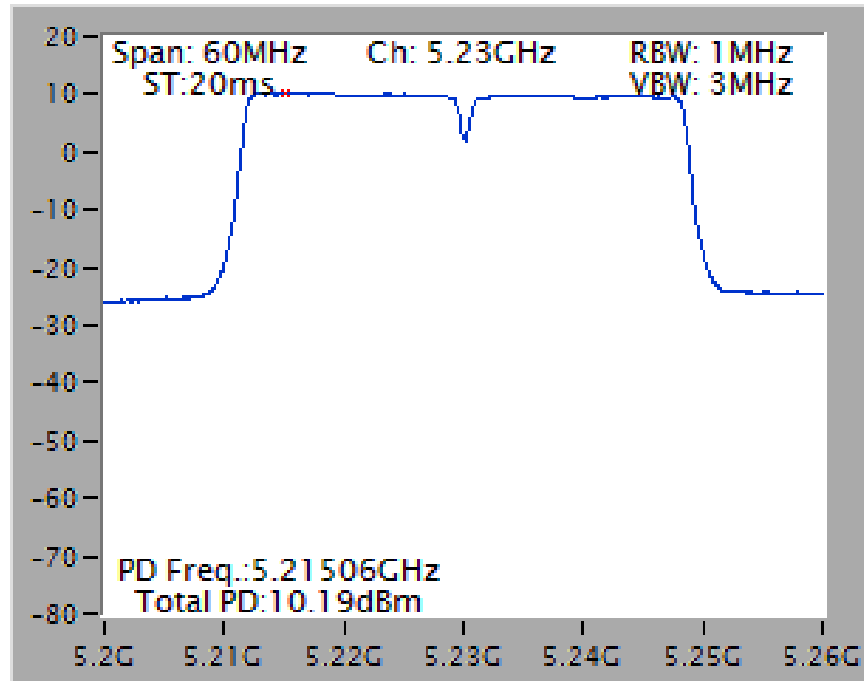
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5200 MHz**



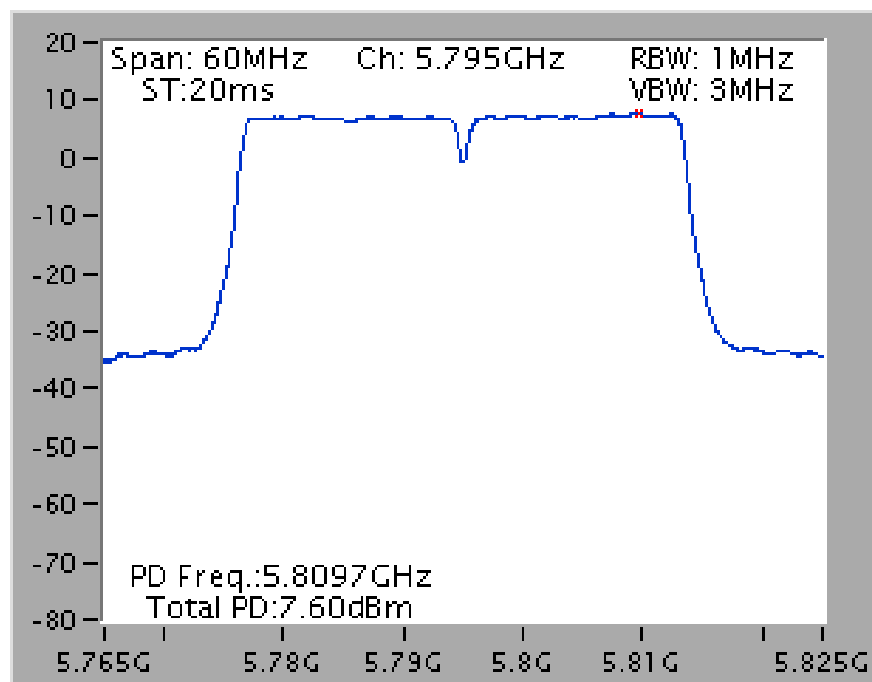
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz**



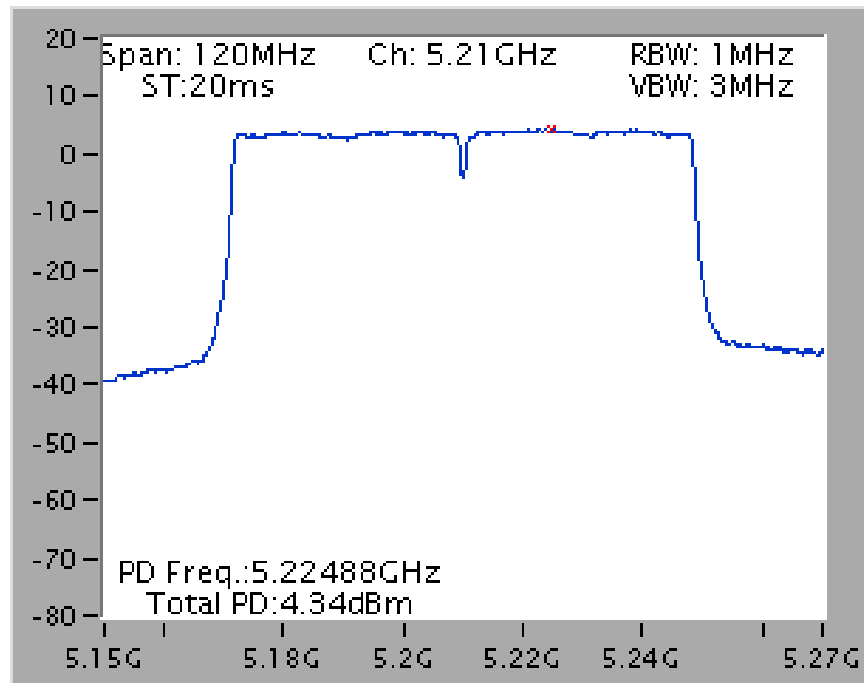
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5230 MHz



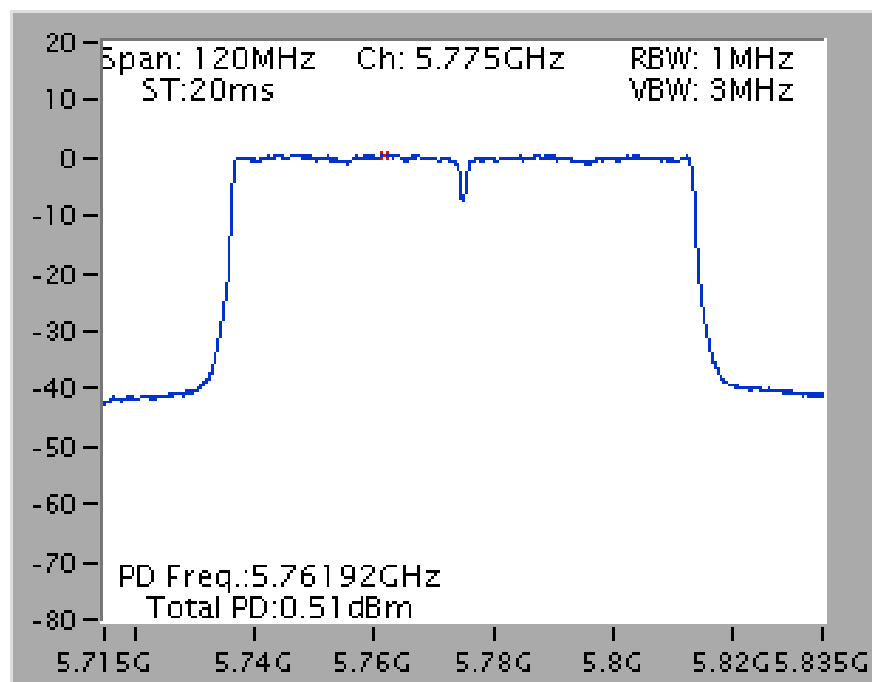
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz



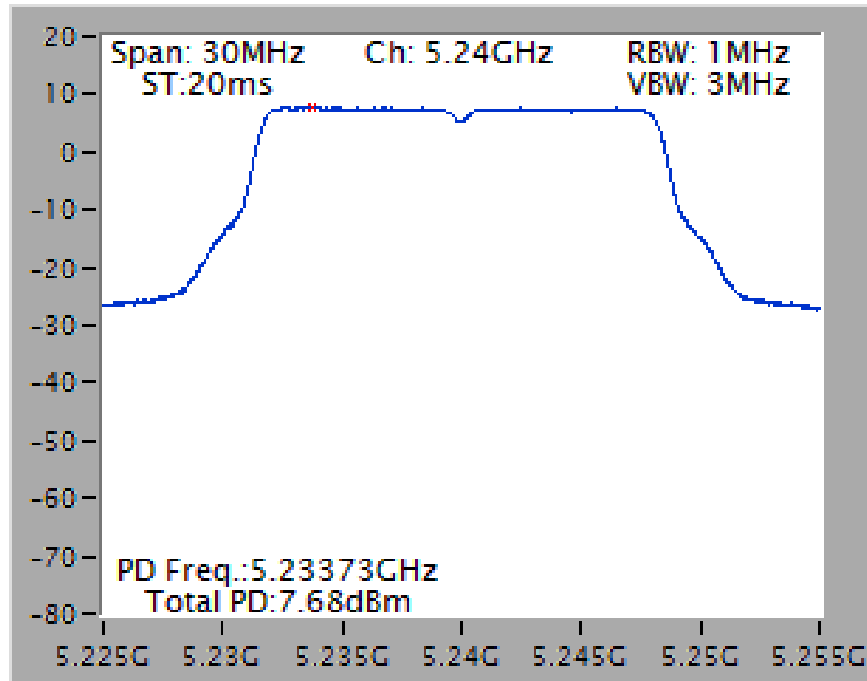
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz



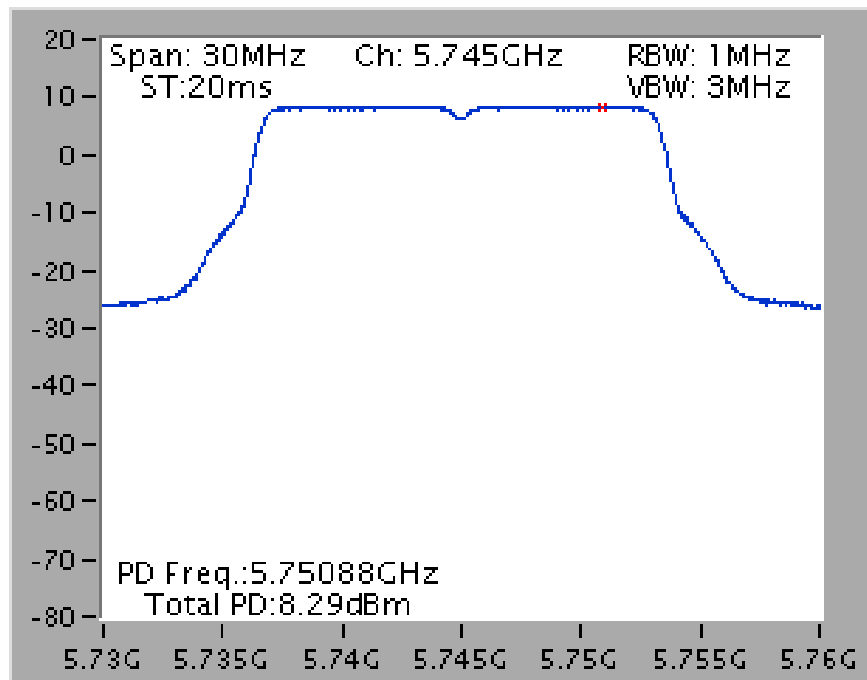
For indoor / outdoor use

Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi\*1 / 1TX)

Power Density Plot on Configuration IEEE 802.11a / Chain 1 / 5240 MHz

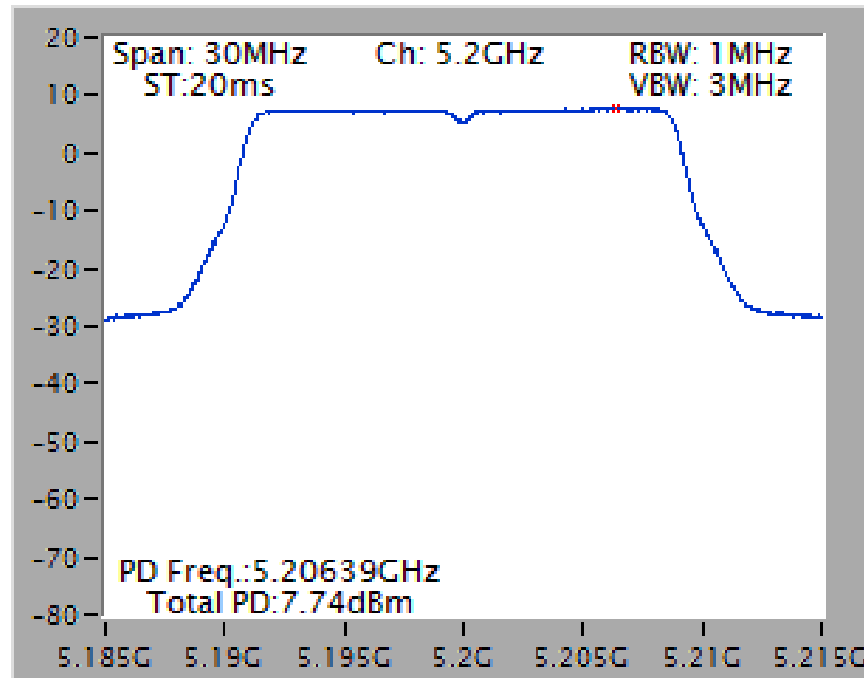


Power Density Plot on Configuration IEEE 802.11a / Chain 1 / 5745 MHz

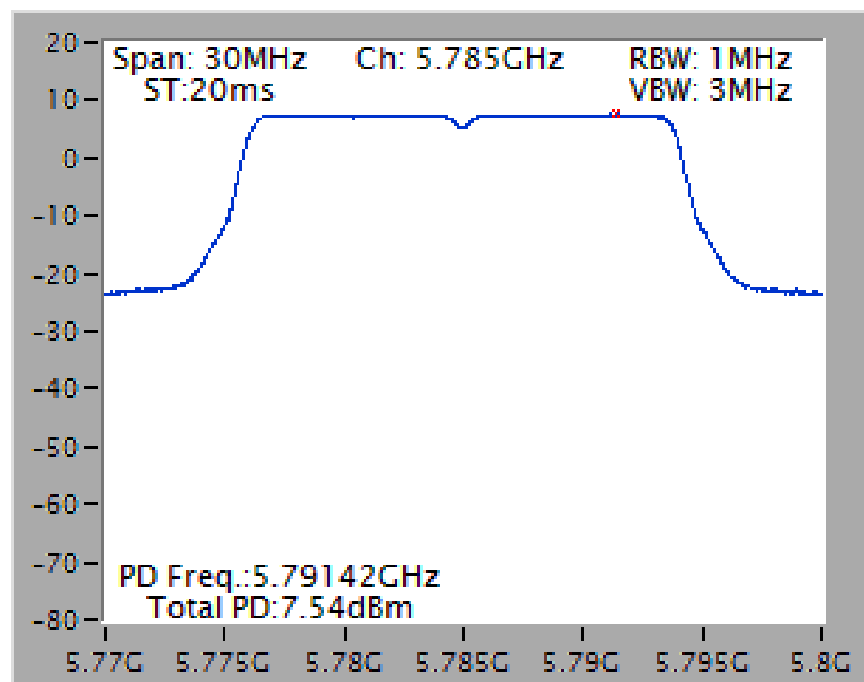




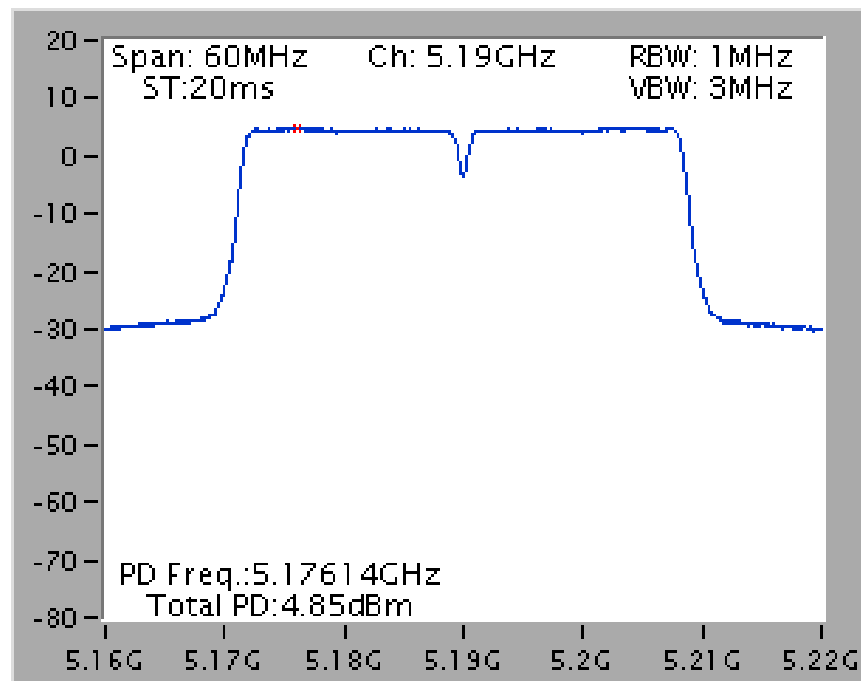
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5200 MHz



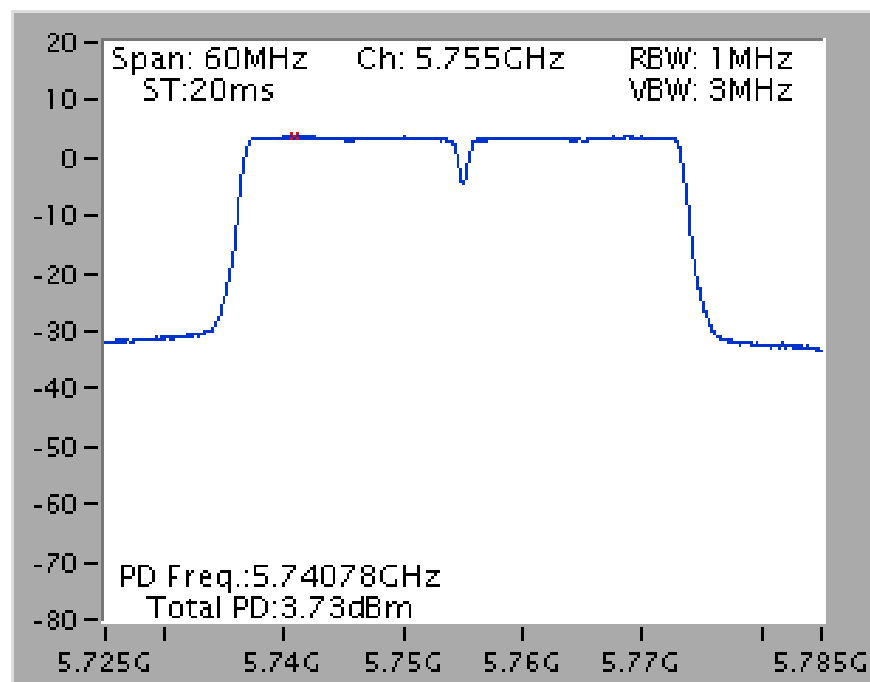
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5785 MHz



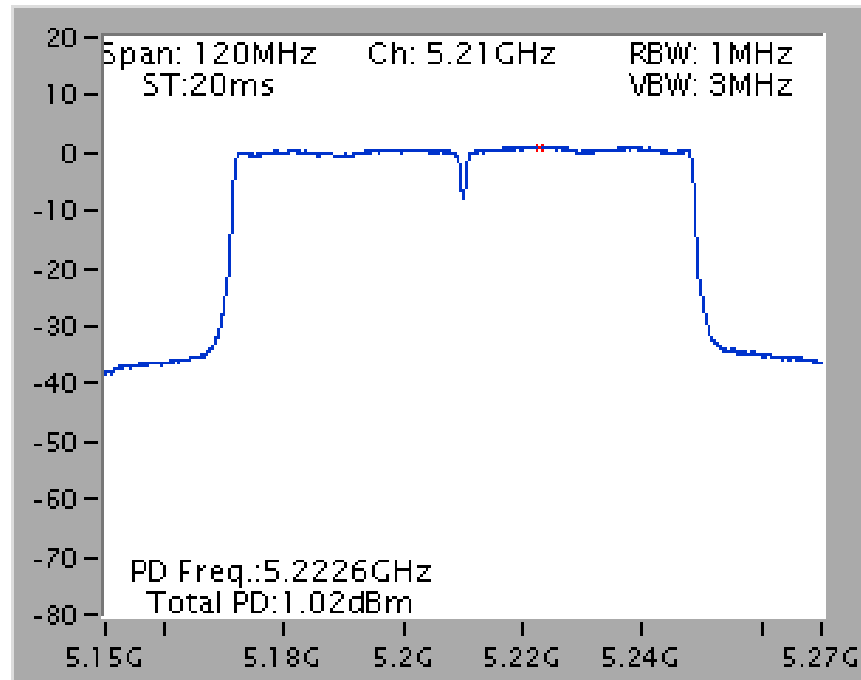
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5190 MHz



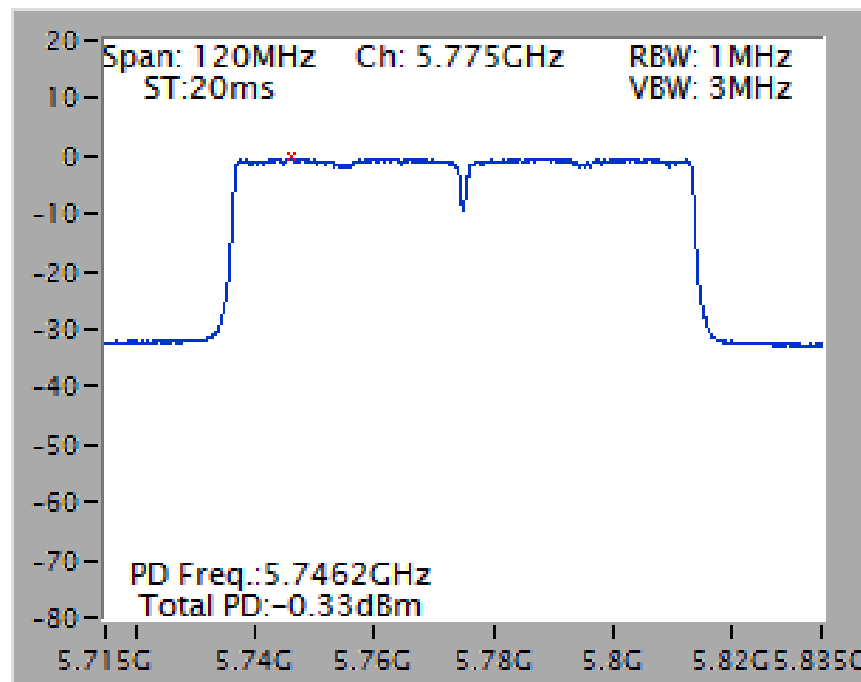
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5755 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5210 MHz

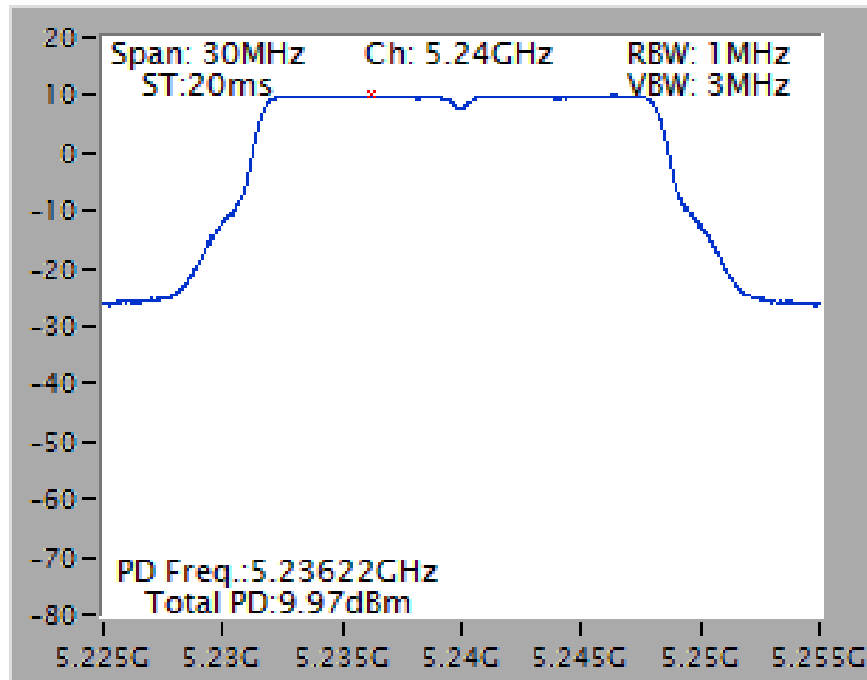


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5775 MHz

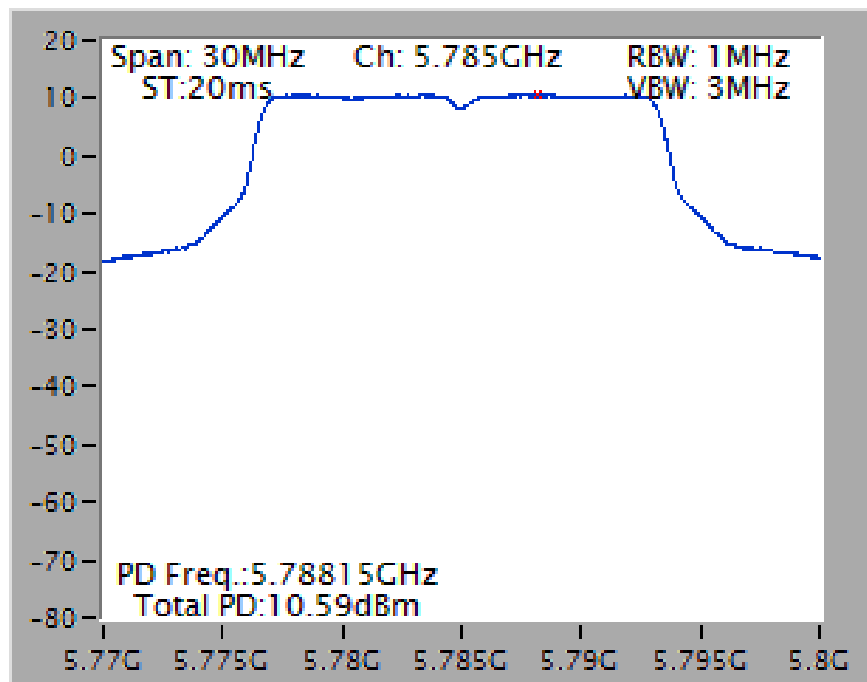


Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi\*1, (2B)1.66dBi\*1 / 2TX)

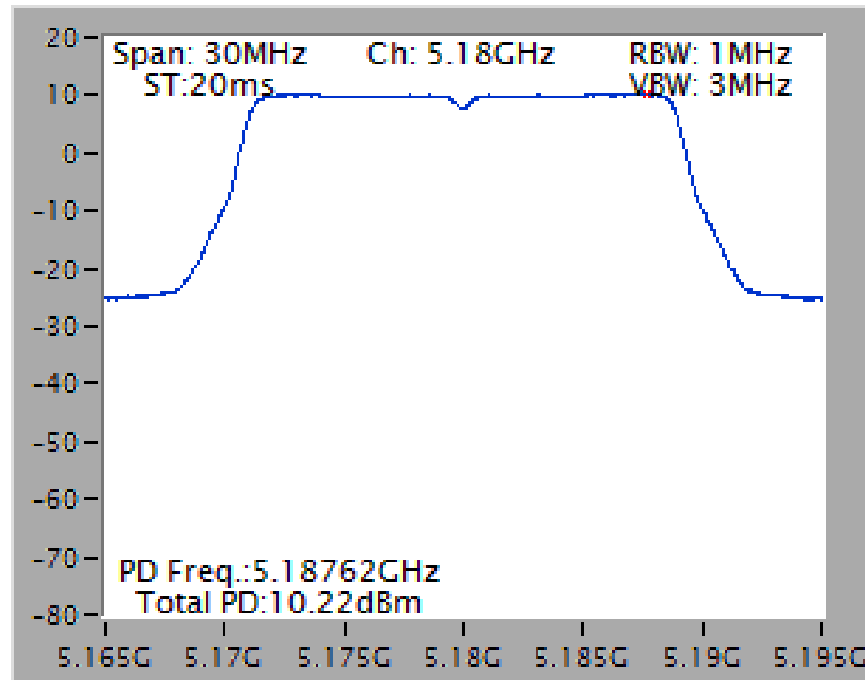
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 / 5240 MHz



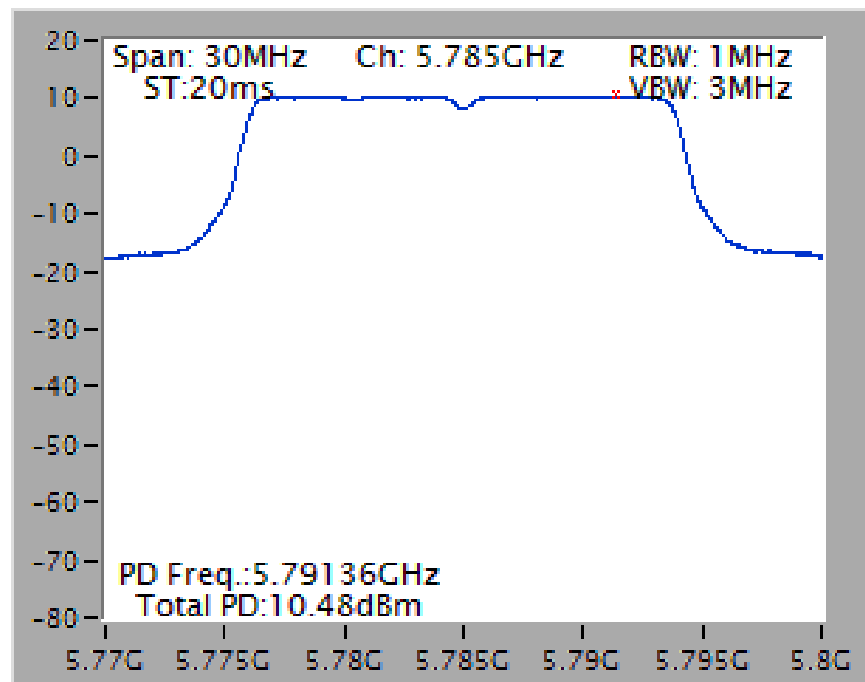
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 / 5785 MHz



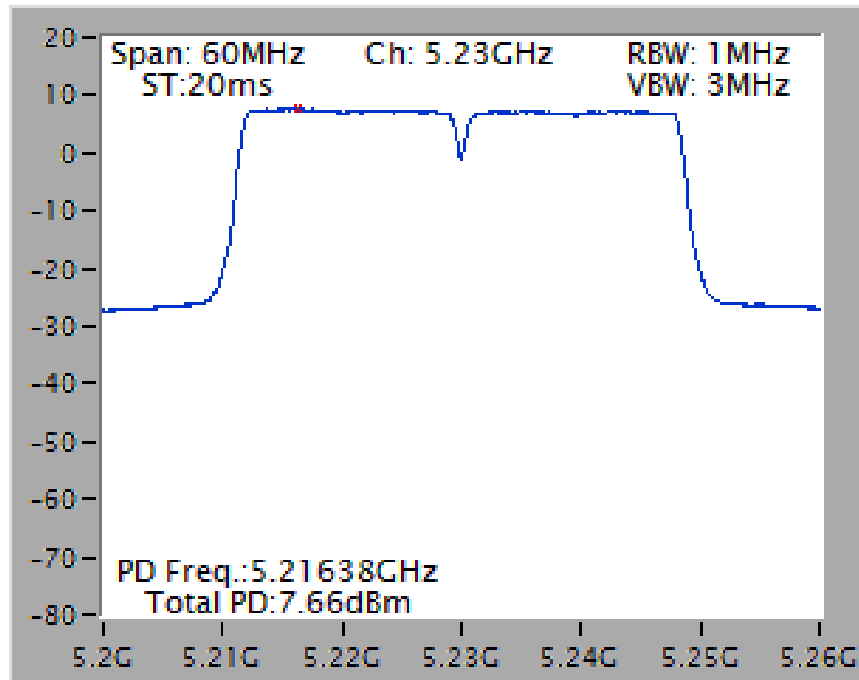
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5180 MHz



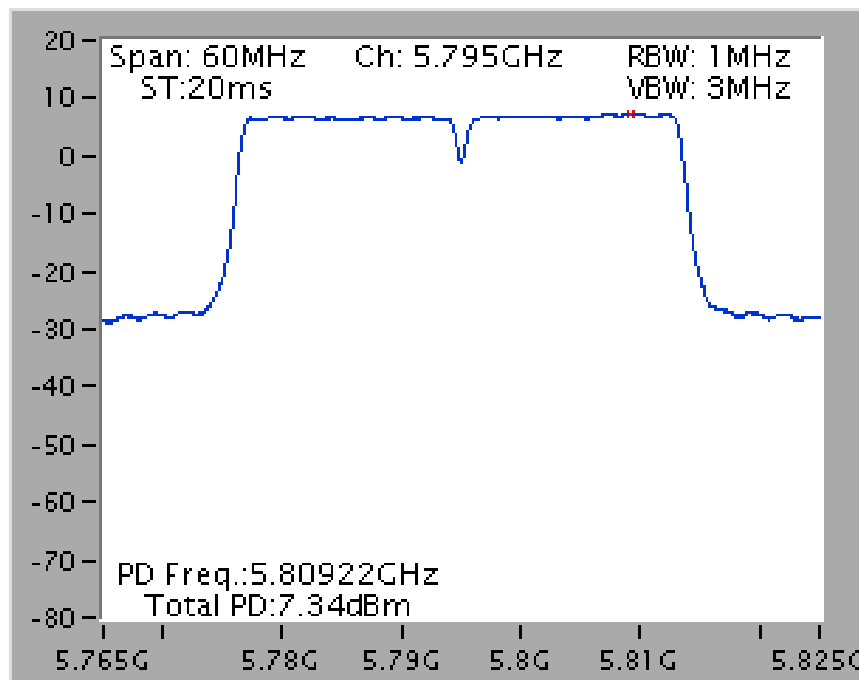
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5785 MHz



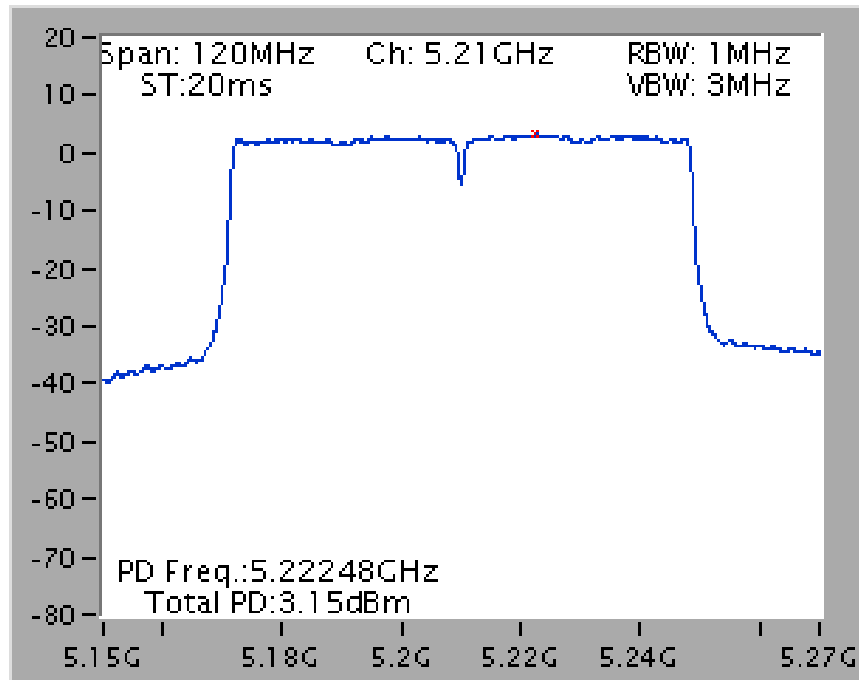
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5230 MHz



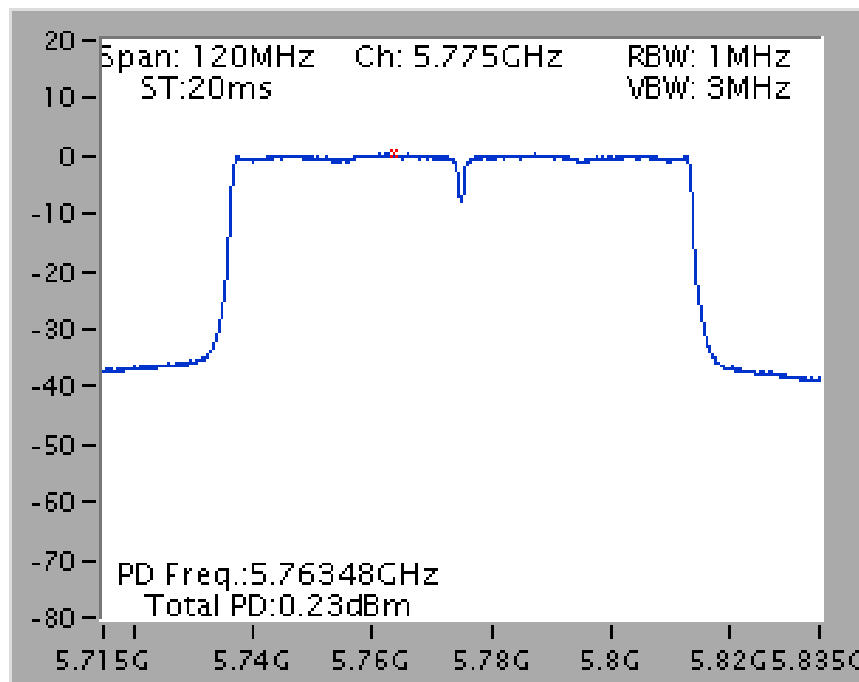
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5210 MHz

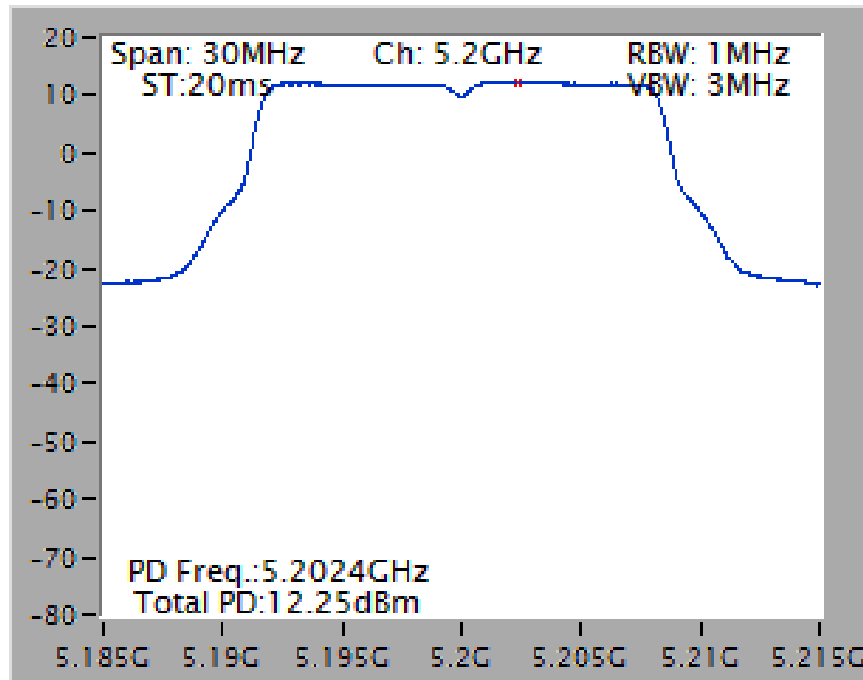


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5775 MHz

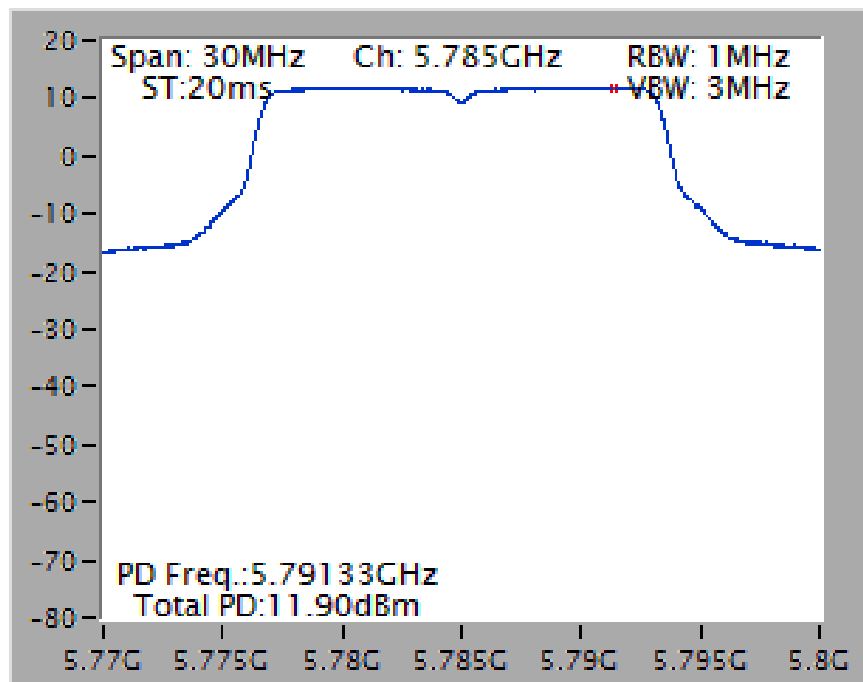


Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi\*2, (2B)1.66dBi\*1 / 3TX)

Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5200 MHz

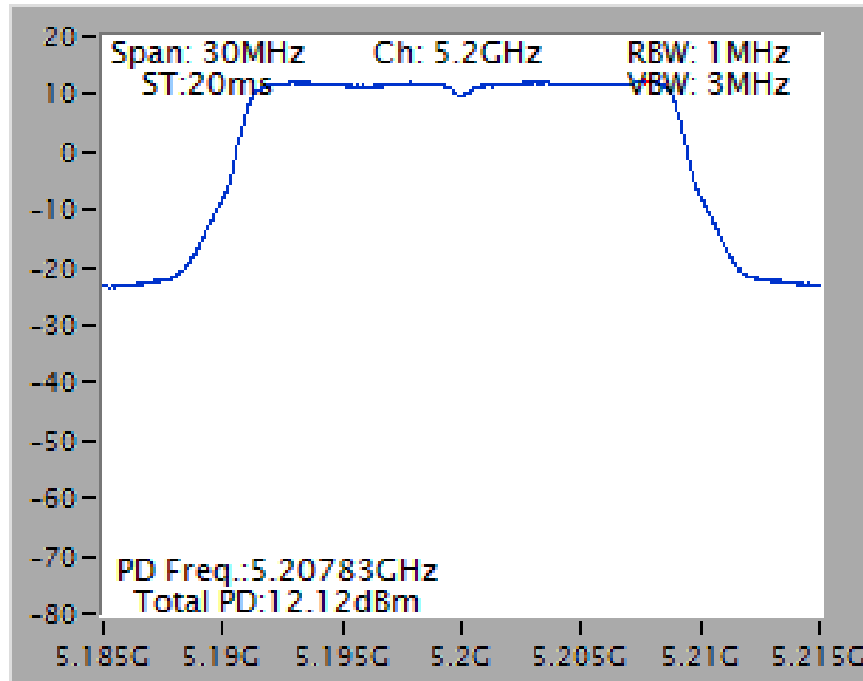


Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5785 MHz

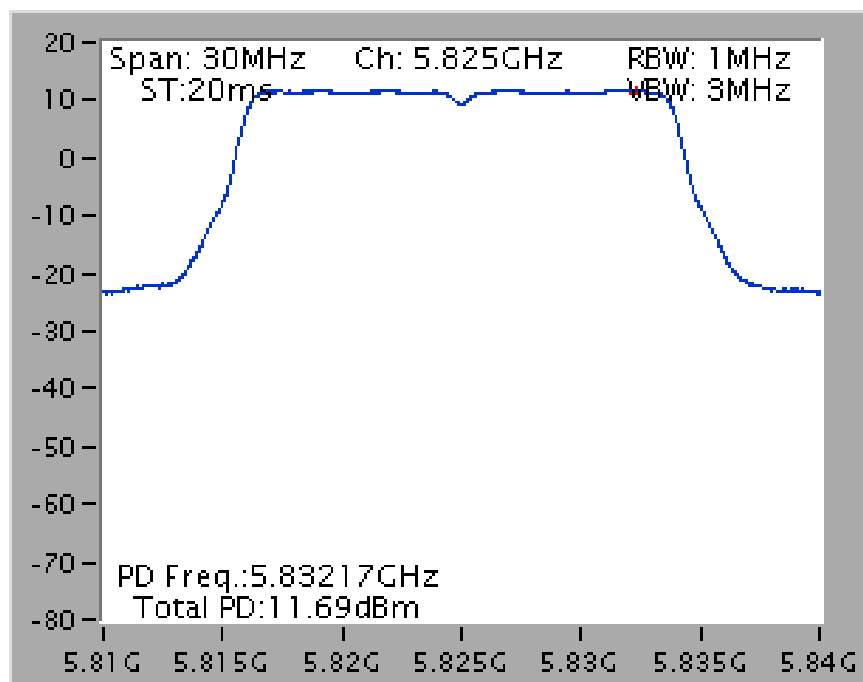




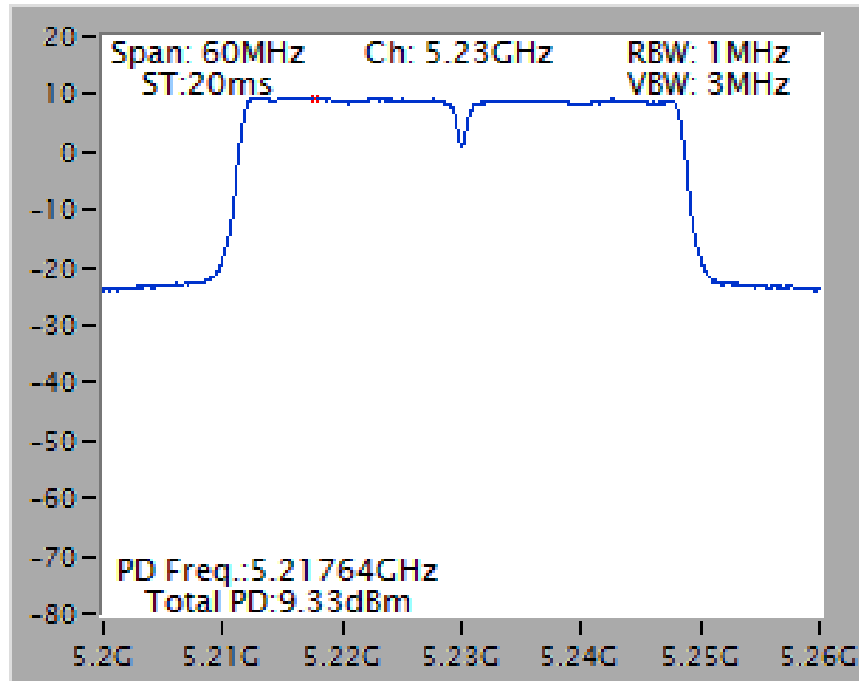
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 /  
5200 MHz



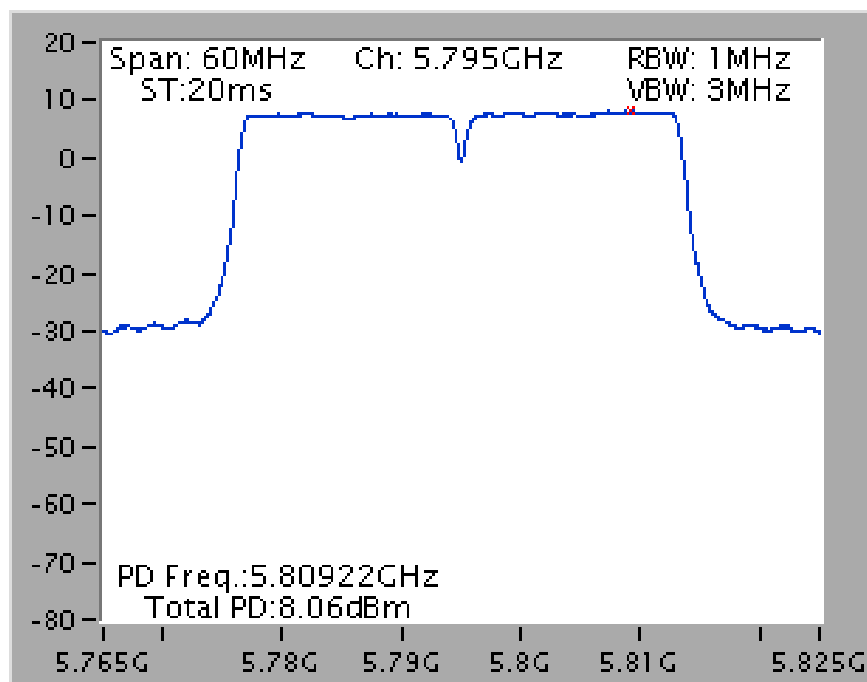
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 /  
5825 MHz



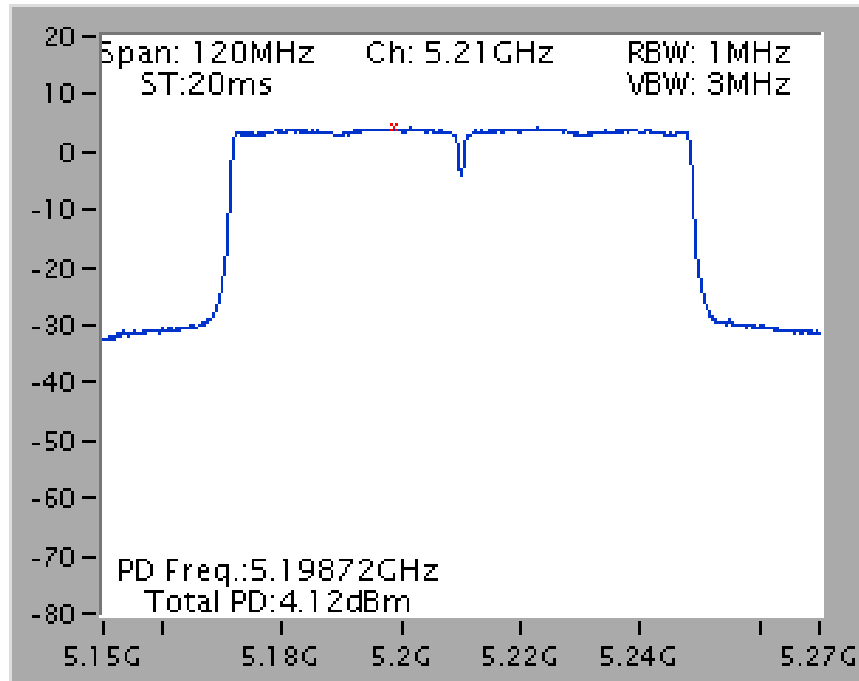
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 /  
5230 MHz



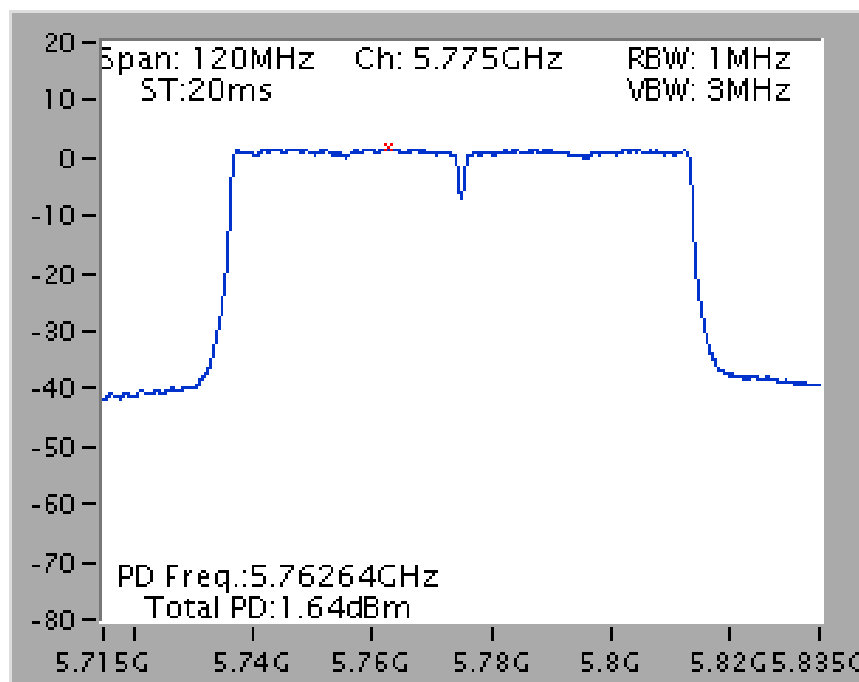
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 /  
5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 /  
5210 MHz

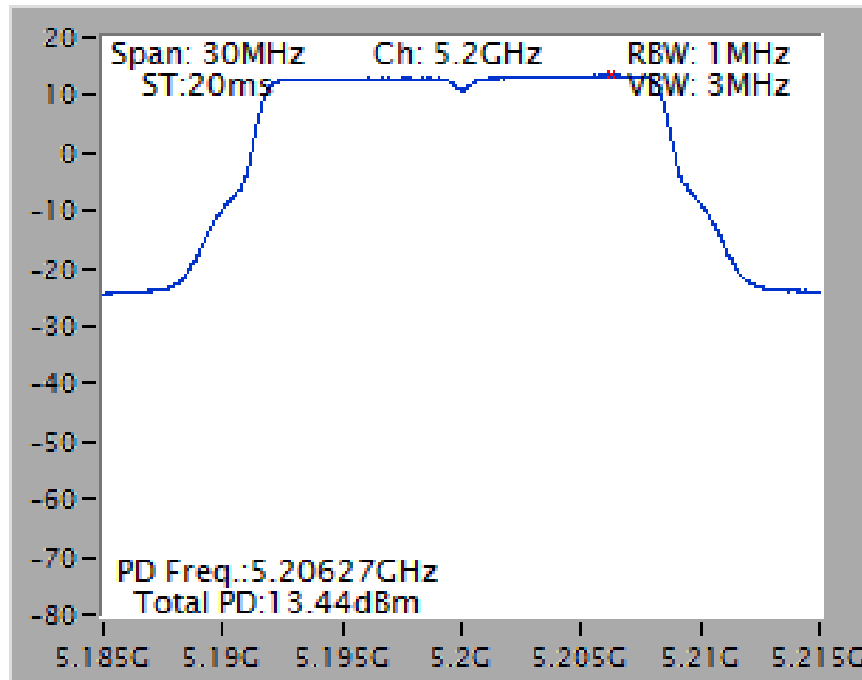


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 /  
5775 MHz

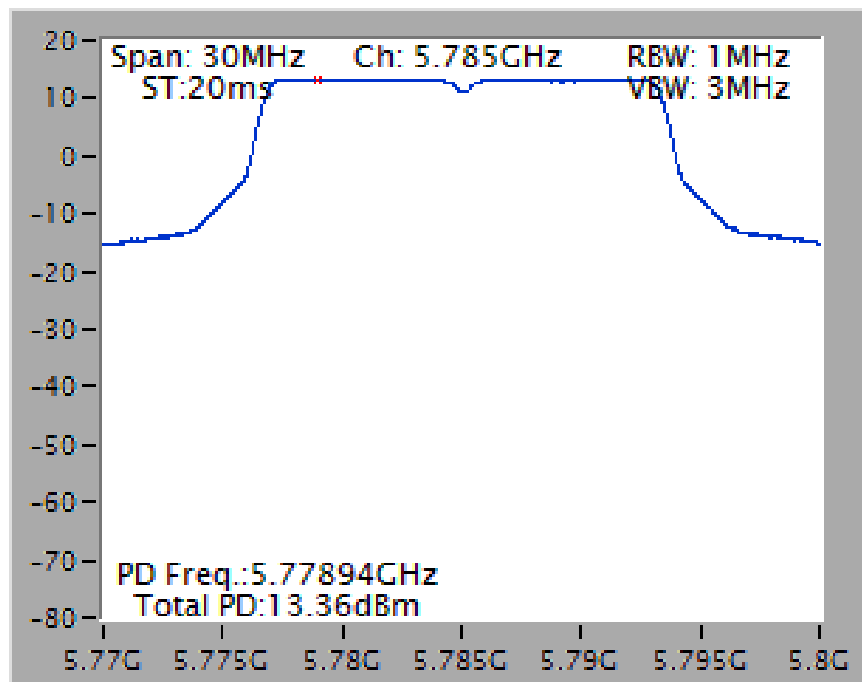


Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi\*2, (2B)1.66dBi\*2 / 4TX)

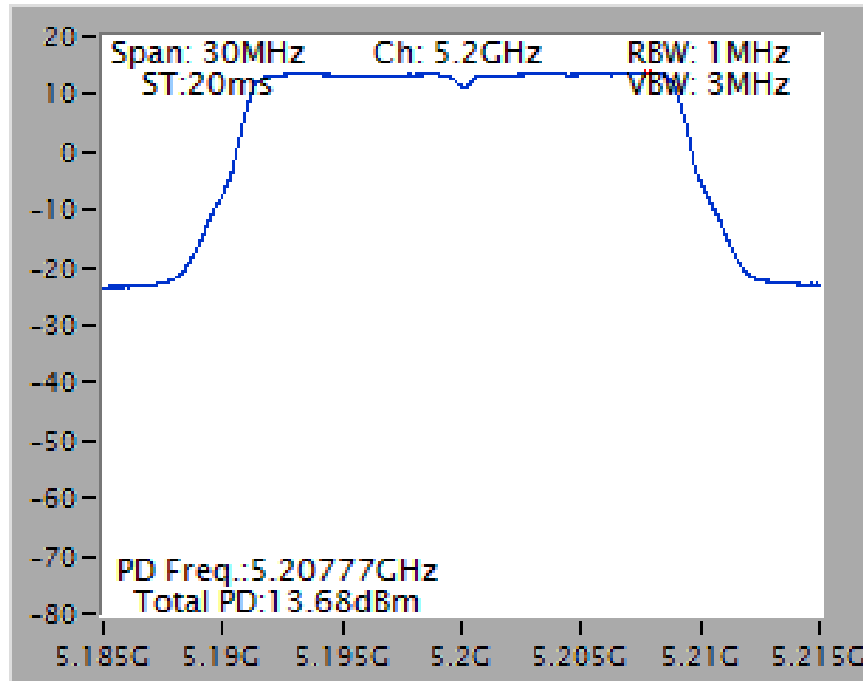
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5200 MHz



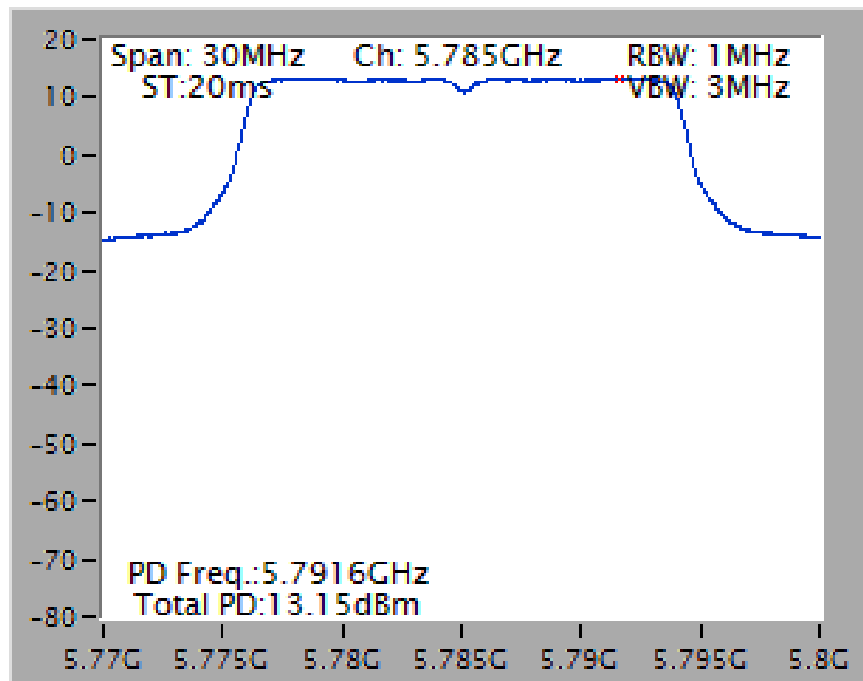
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



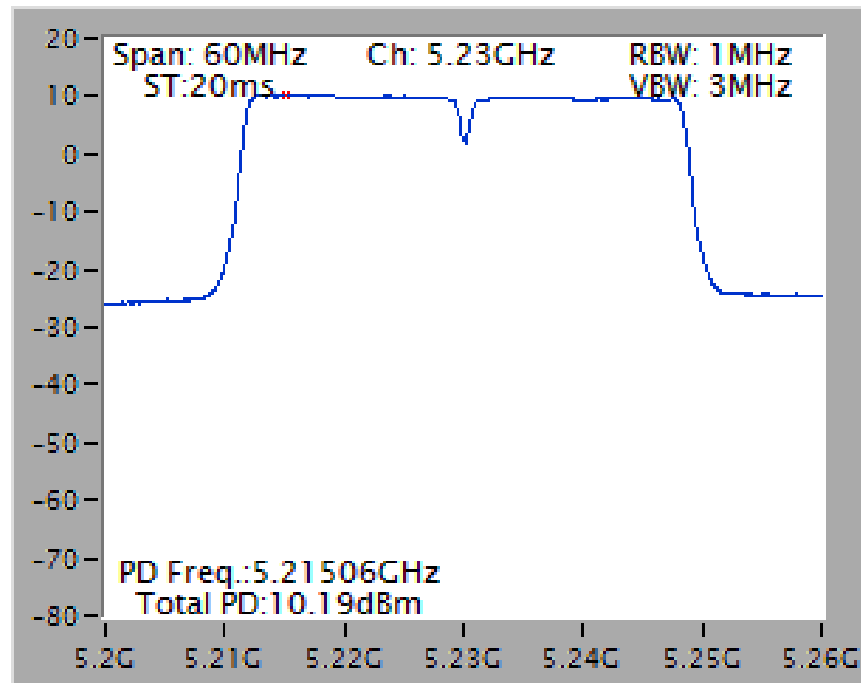
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5200 MHz



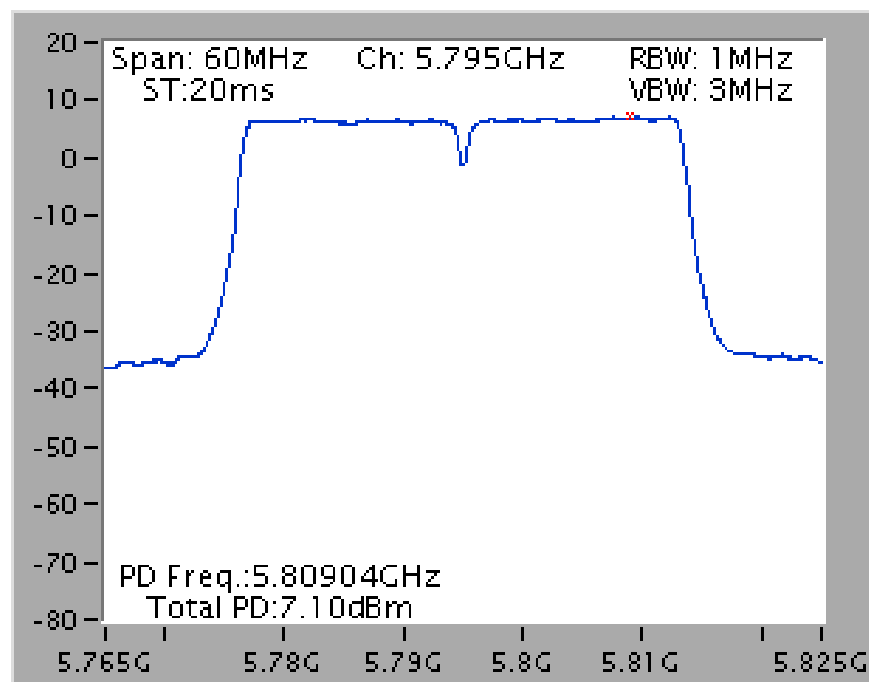
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



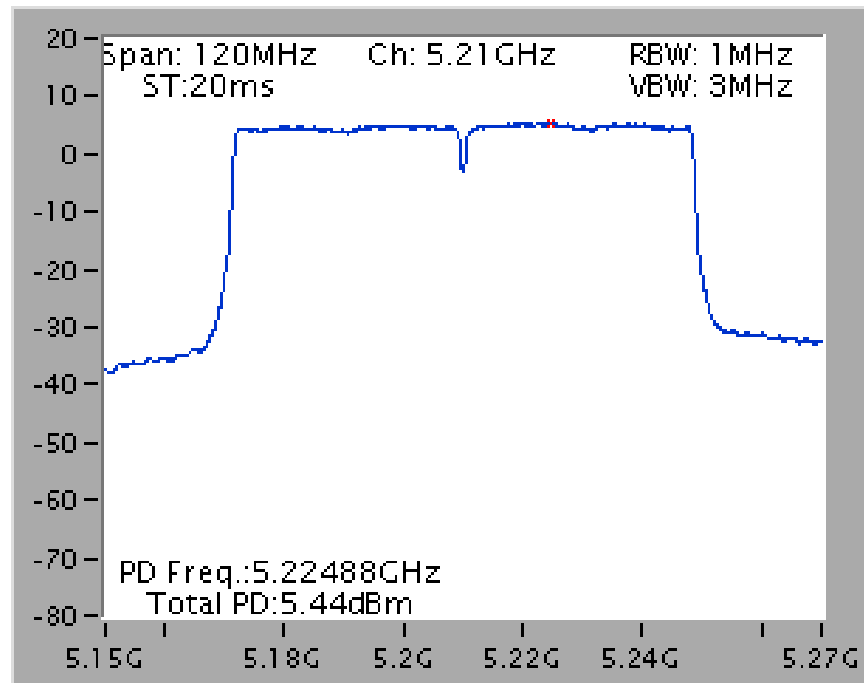
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5230 MHz



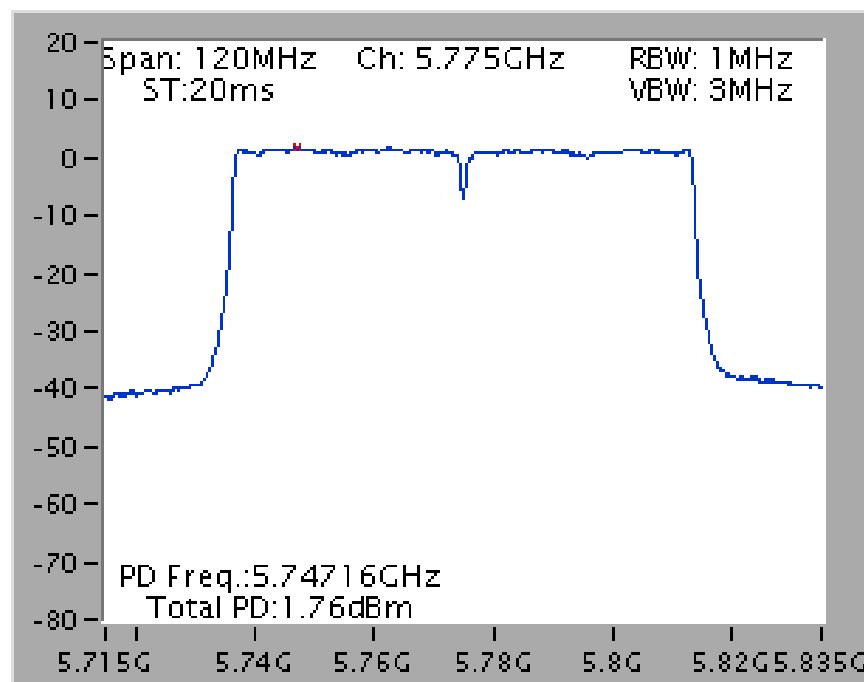
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz



**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz**



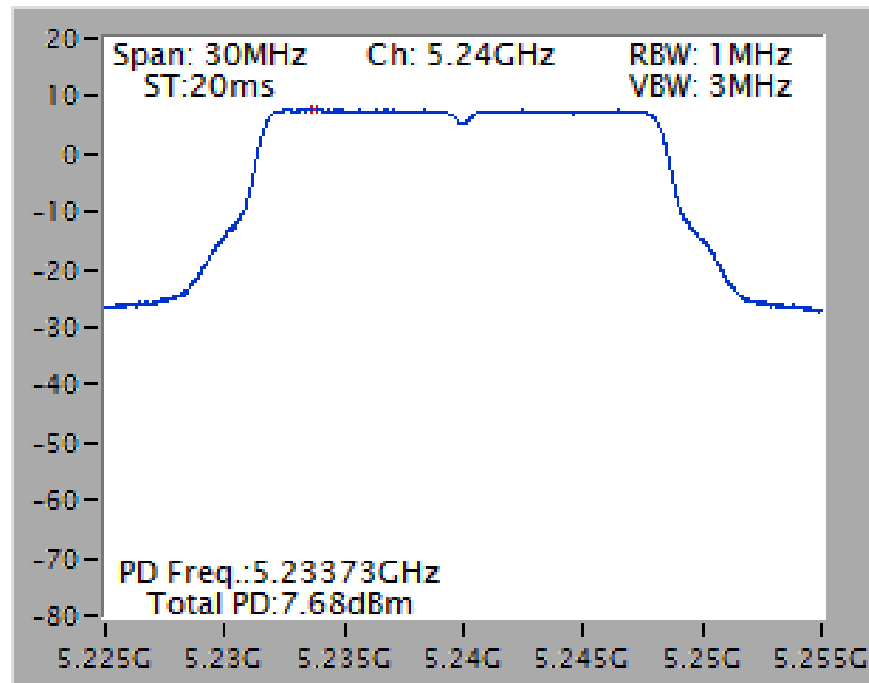
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz**



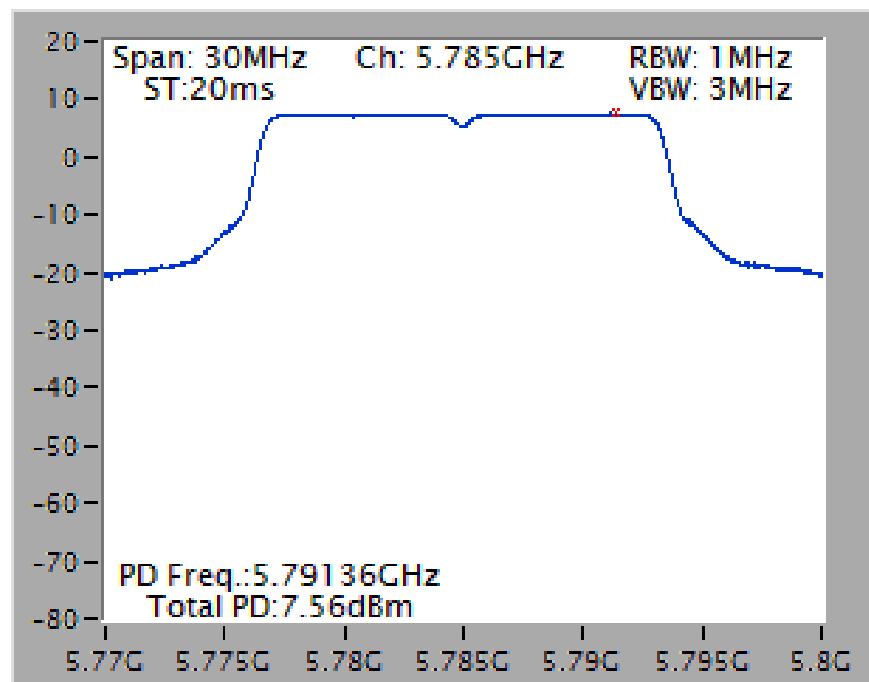
For indoor / outdoor use

Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX)

Power Density Plot on Configuration IEEE 802.11a / Chain 1 / 5240 MHz

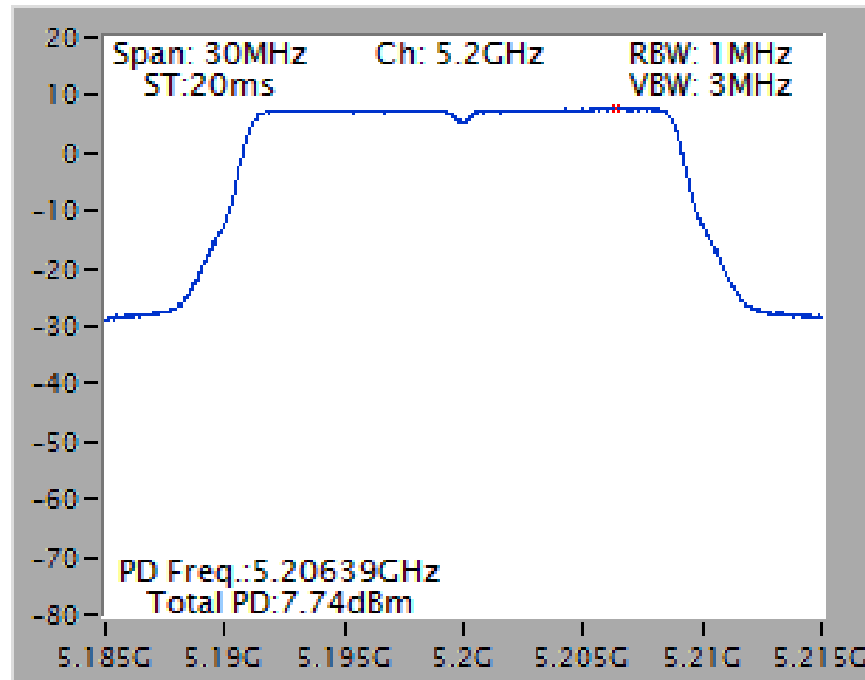


Power Density Plot on Configuration IEEE 802.11a / Chain 1 / 5785 MHz

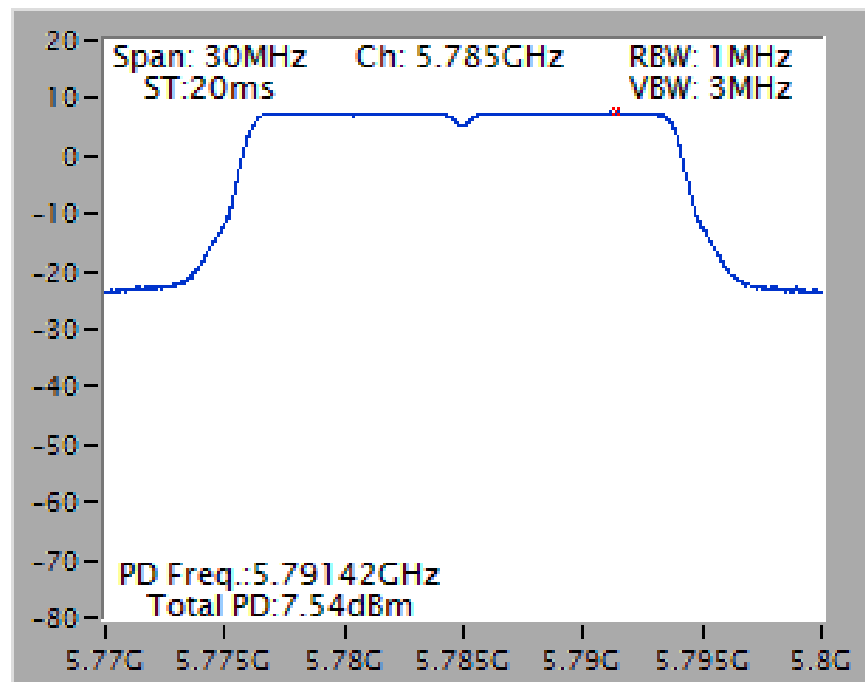




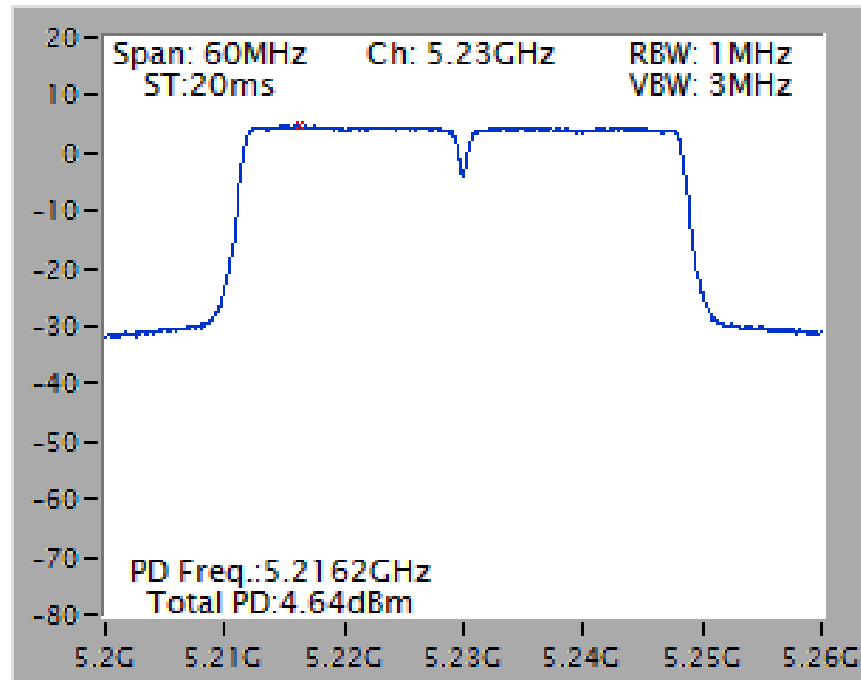
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5200 MHz



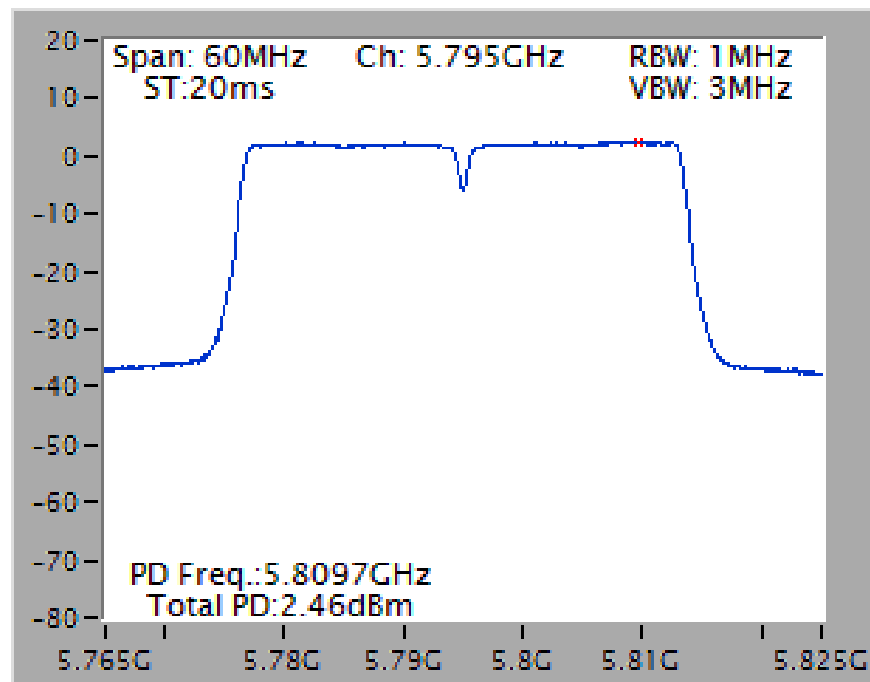
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5785 MHz



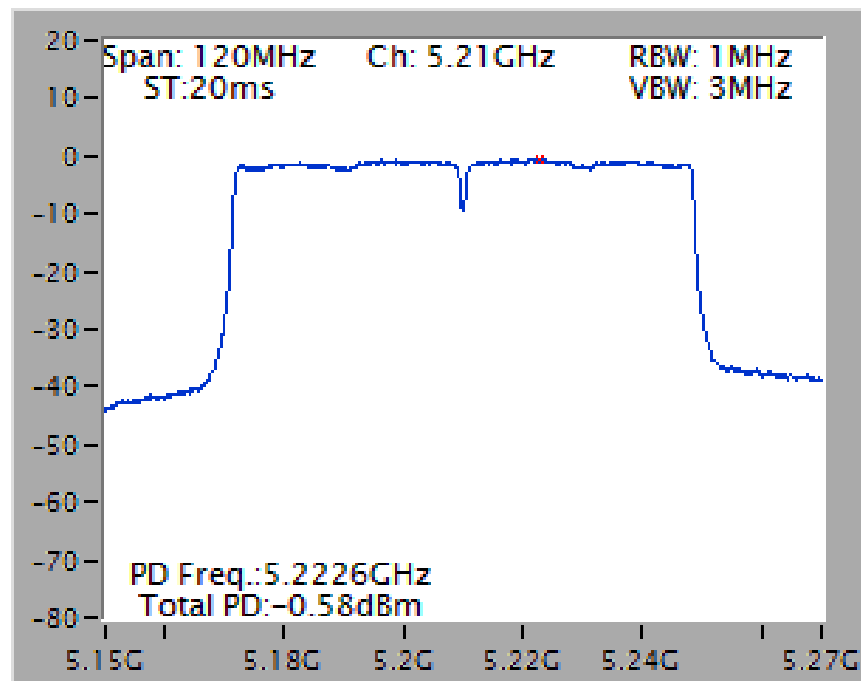
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5230 MHz



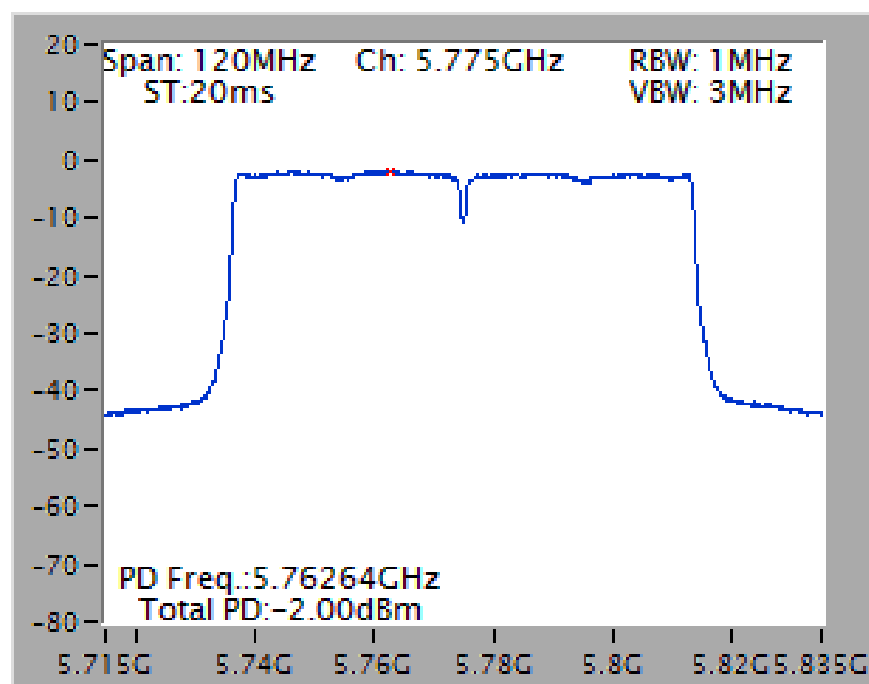
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5210 MHz

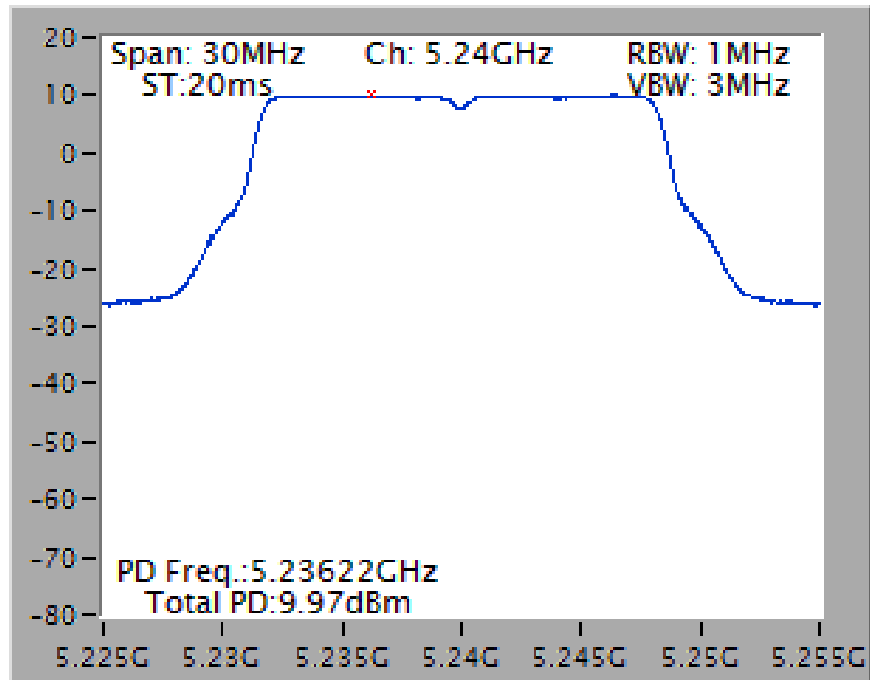


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5775 MHz

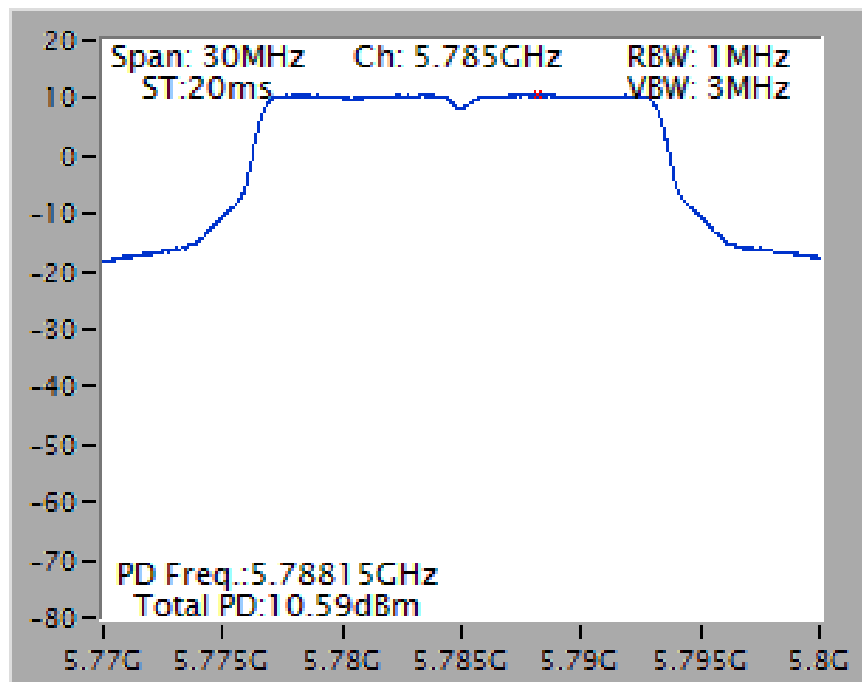


Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)

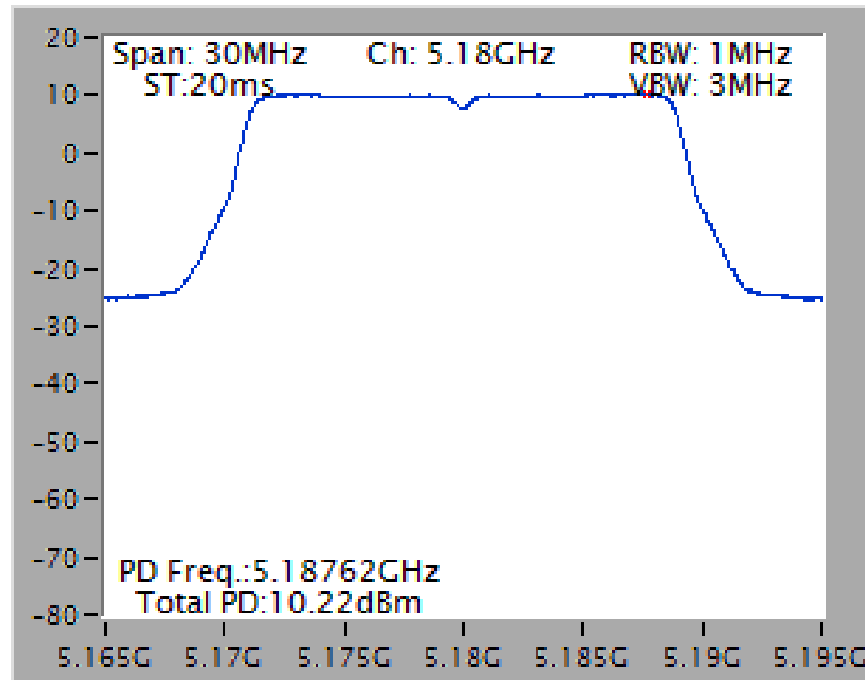
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 / 5240 MHz



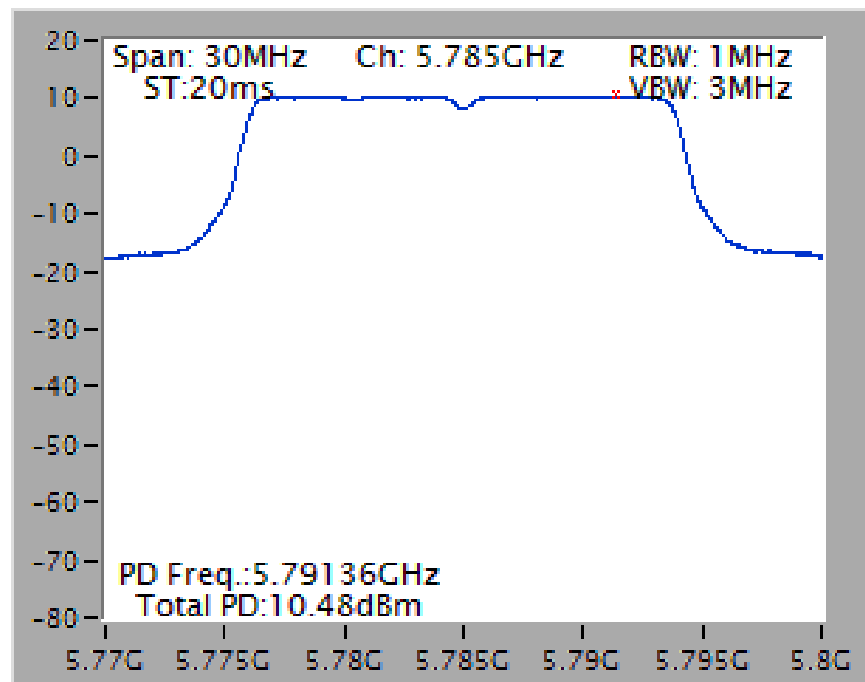
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 / 5785 MHz



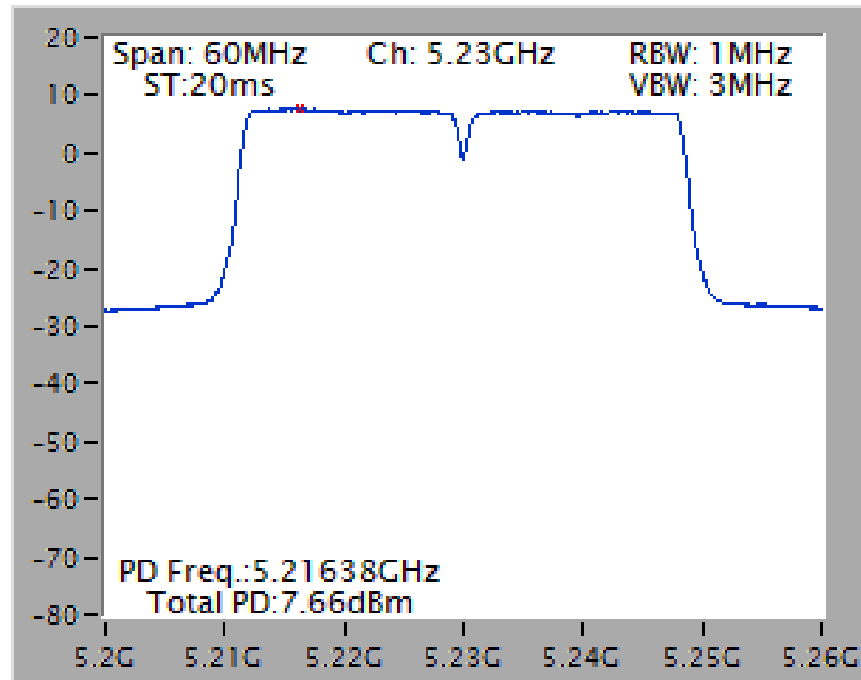
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5180 MHz



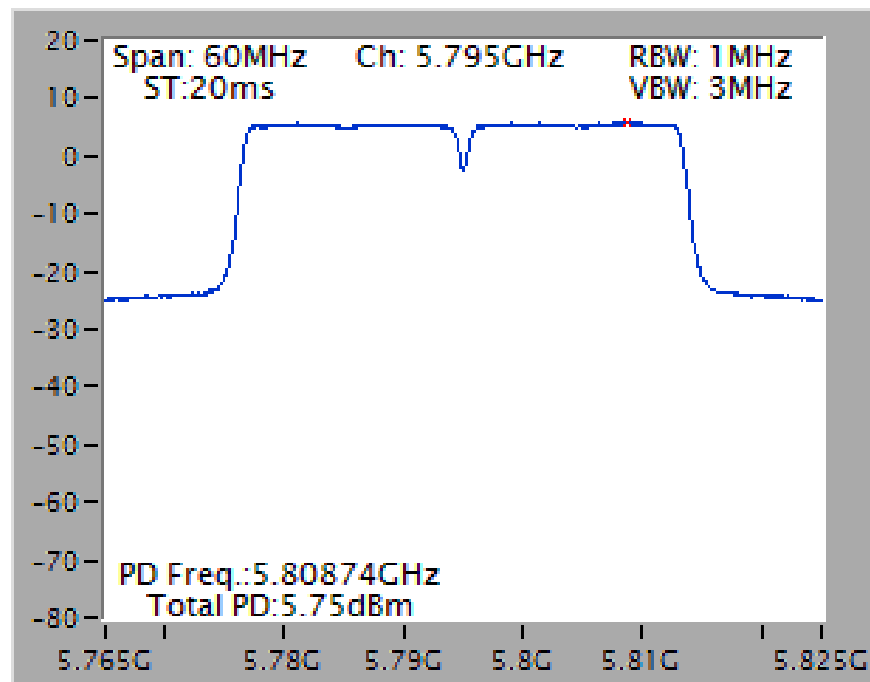
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5785 MHz



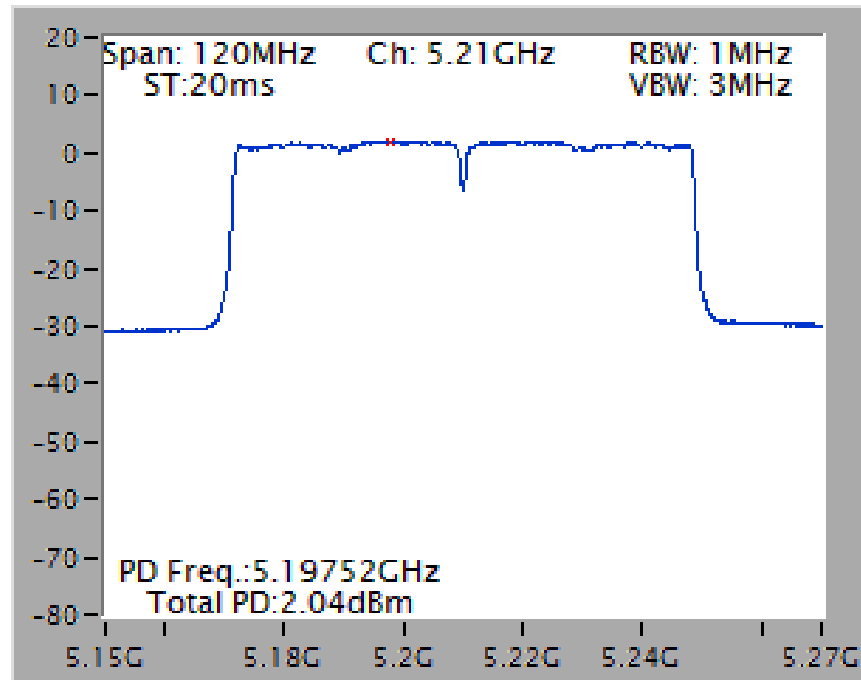
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5230 MHz



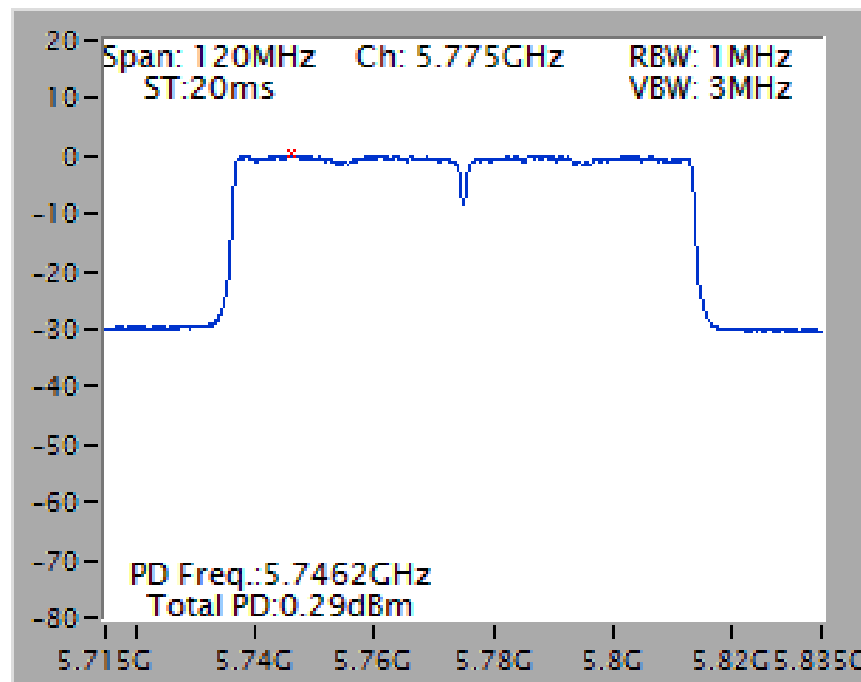
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5210 MHz

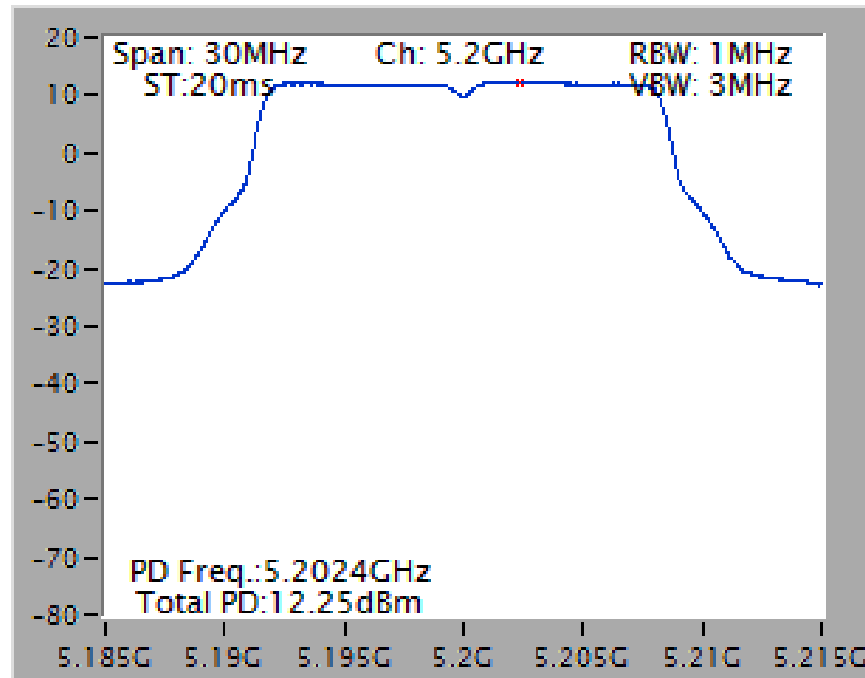


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5775 MHz

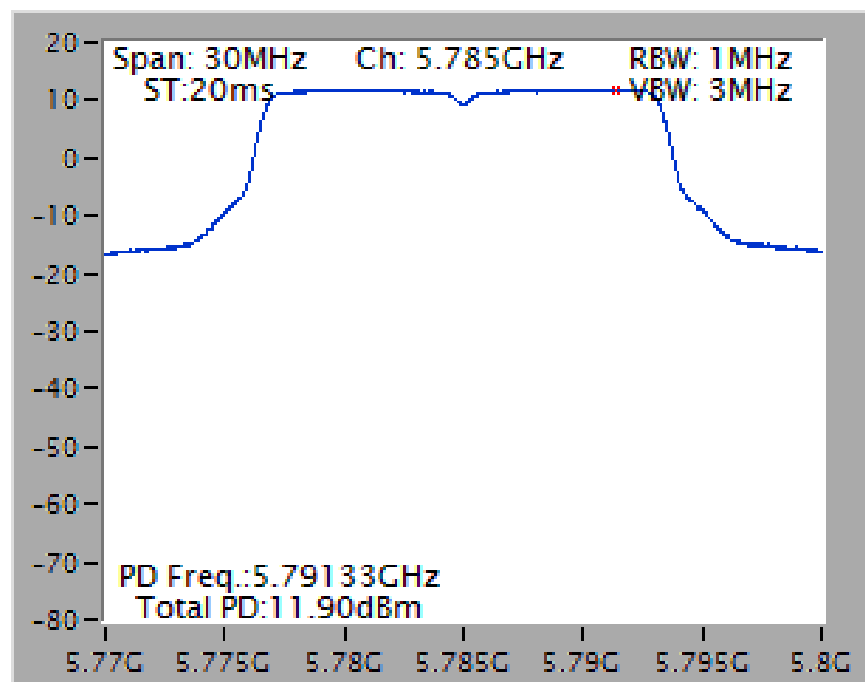


Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)

Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5200 MHz

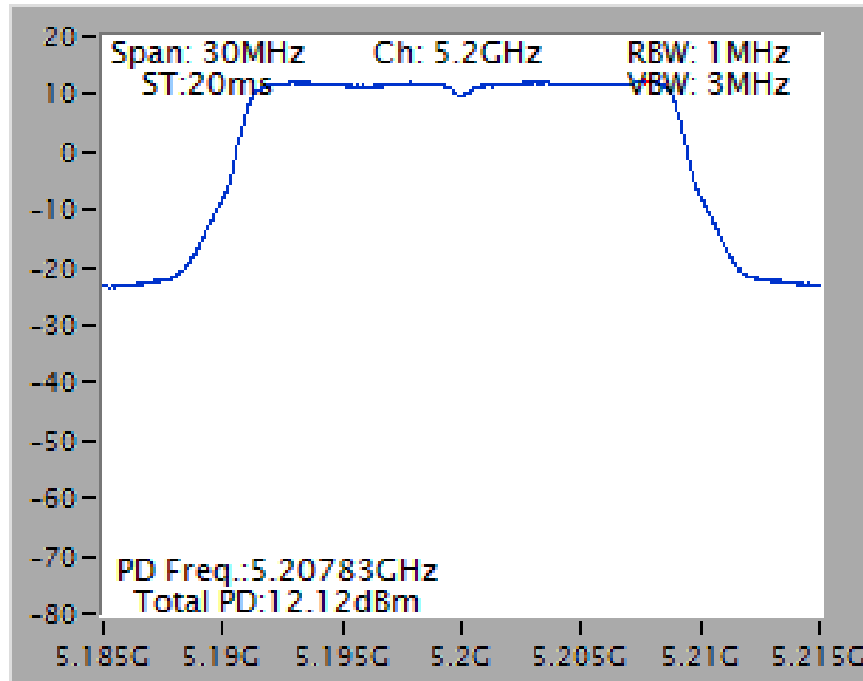


Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5785 MHz

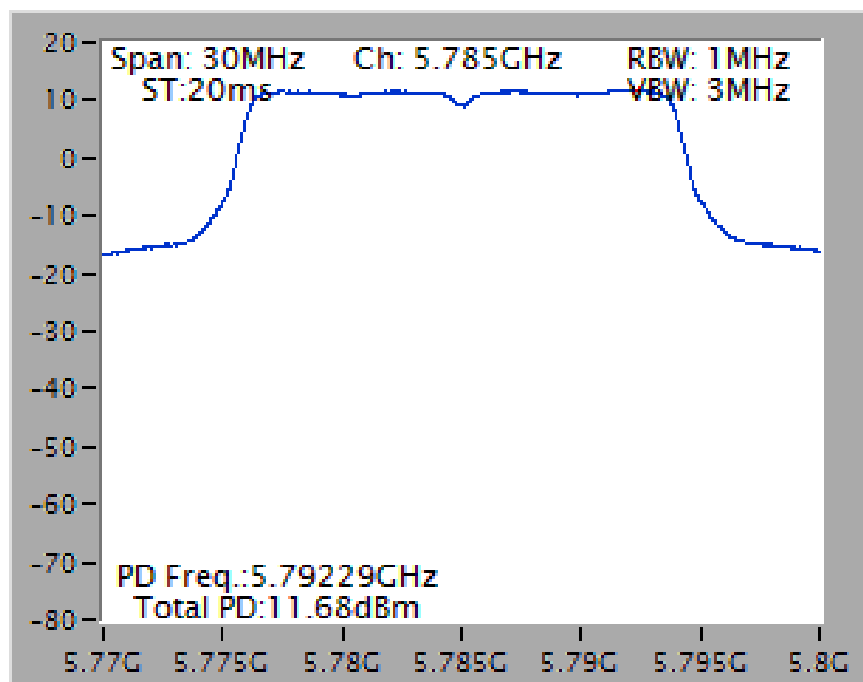




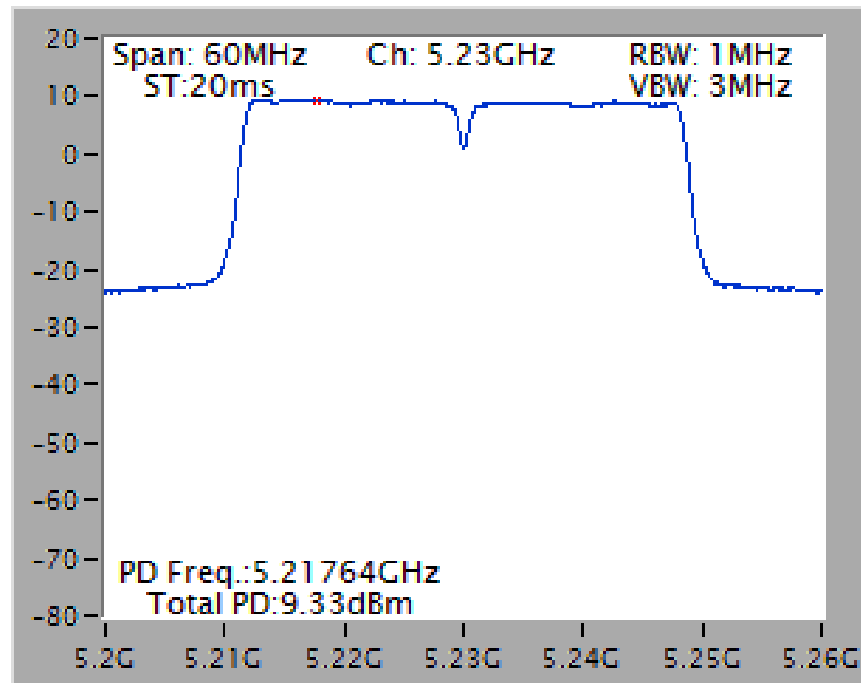
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 /  
5200 MHz



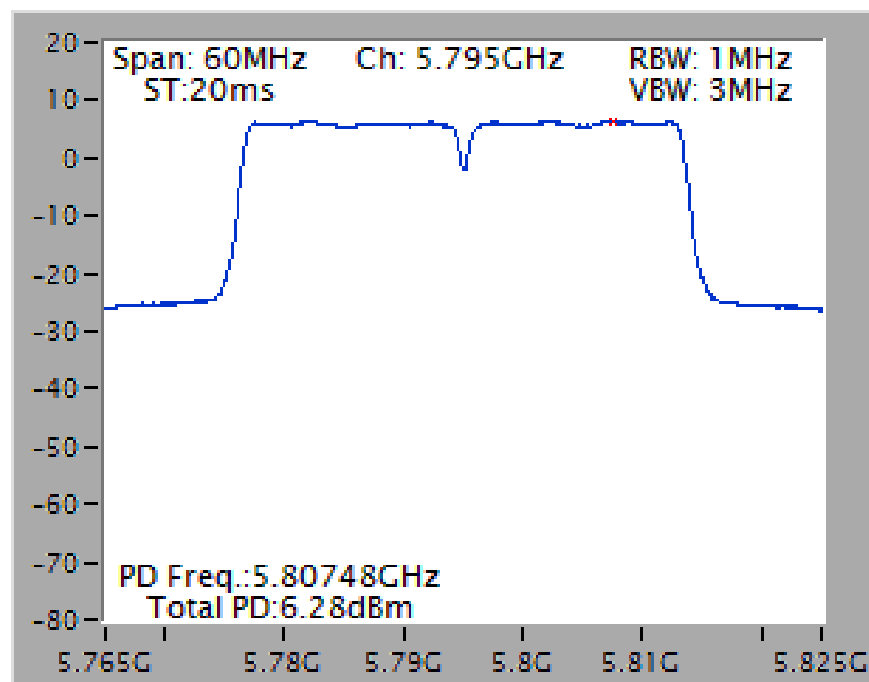
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 /  
5785 MHz



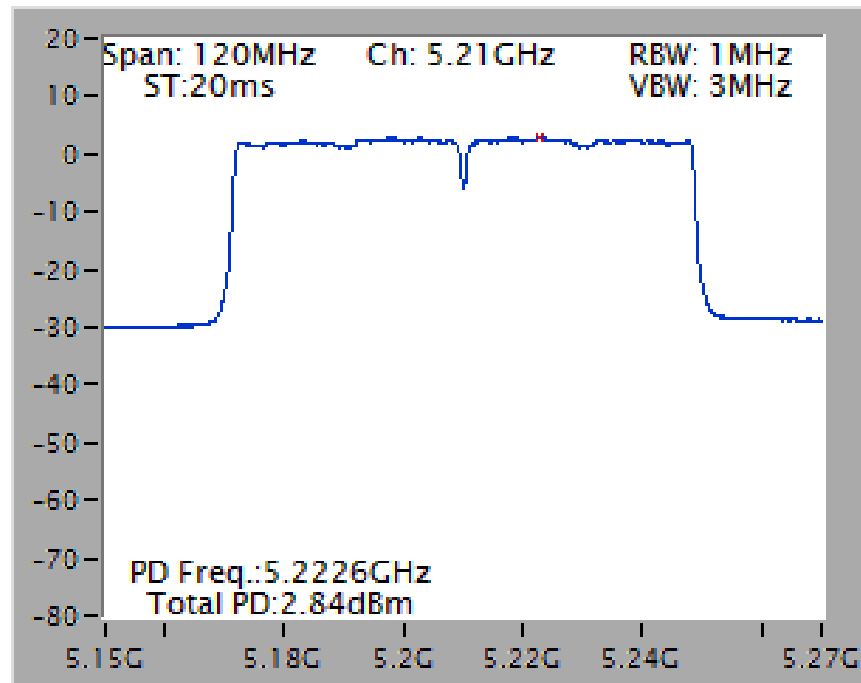
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 /  
5230 MHz



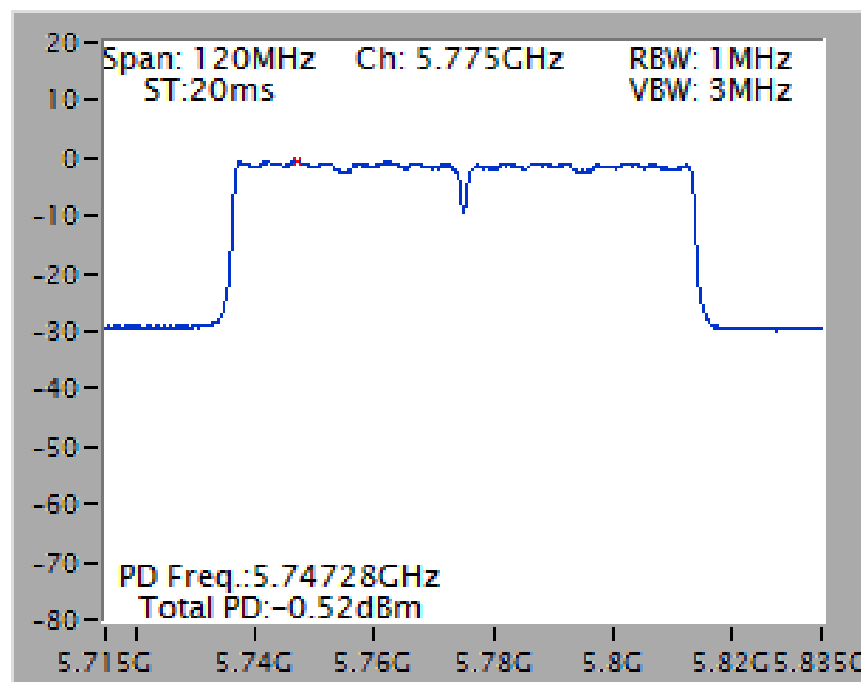
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 /  
5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 /  
5210 MHz

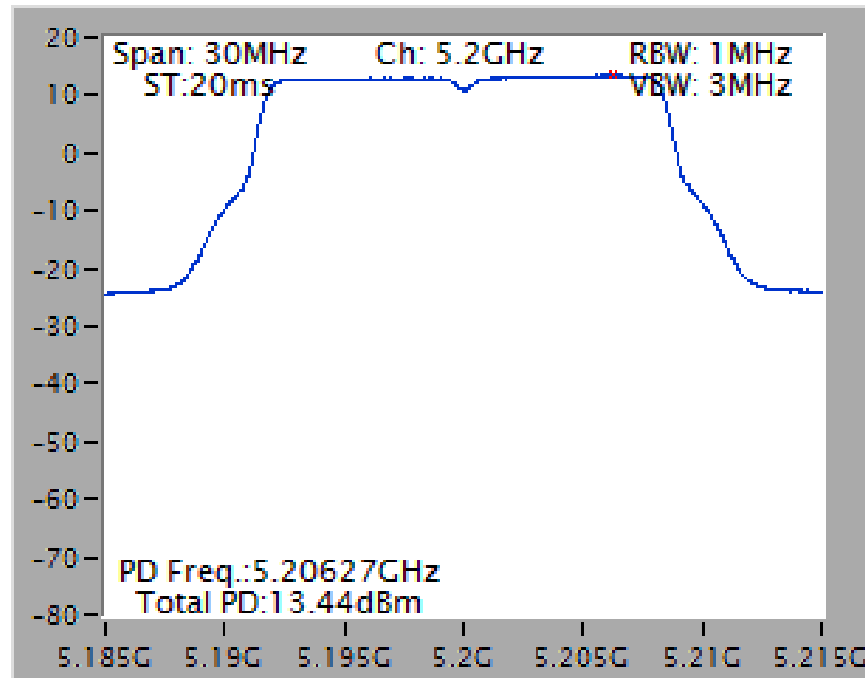


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 /  
5775 MHz

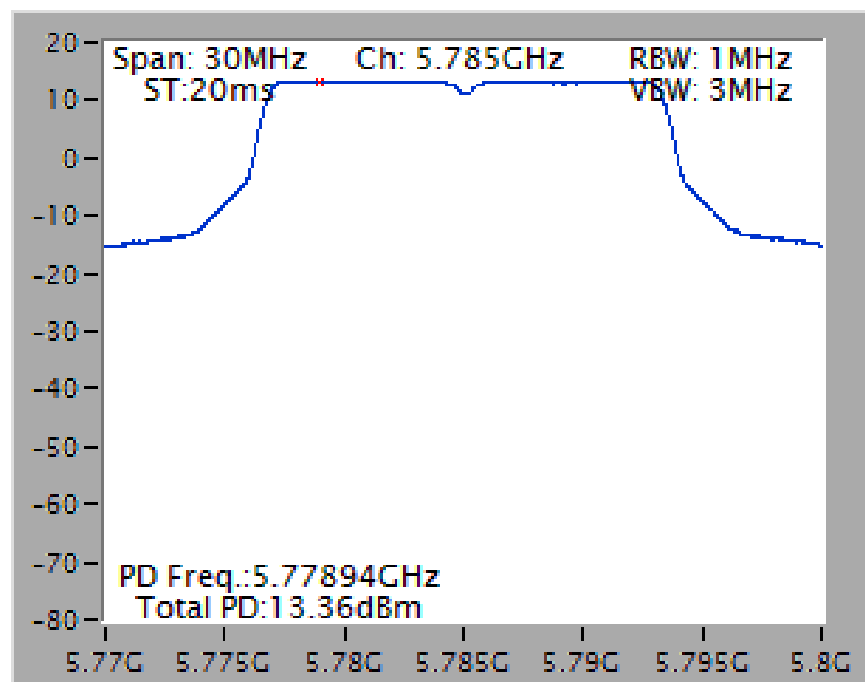


Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)

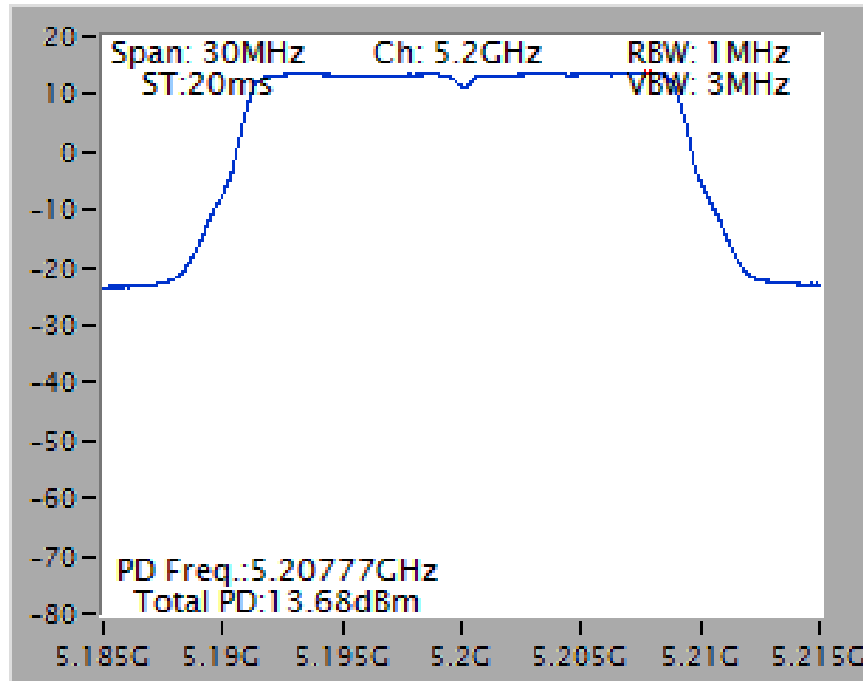
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5200 MHz



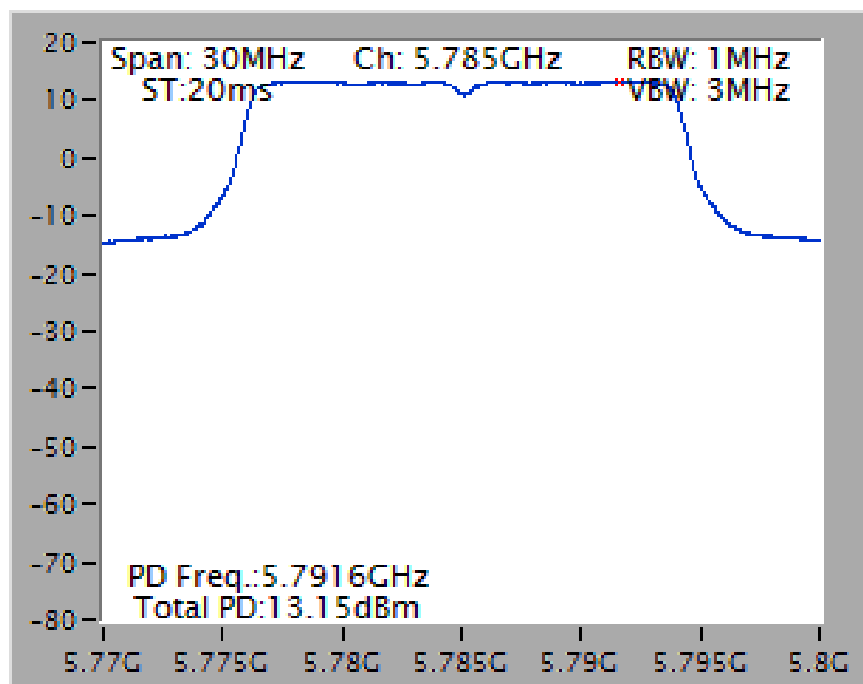
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



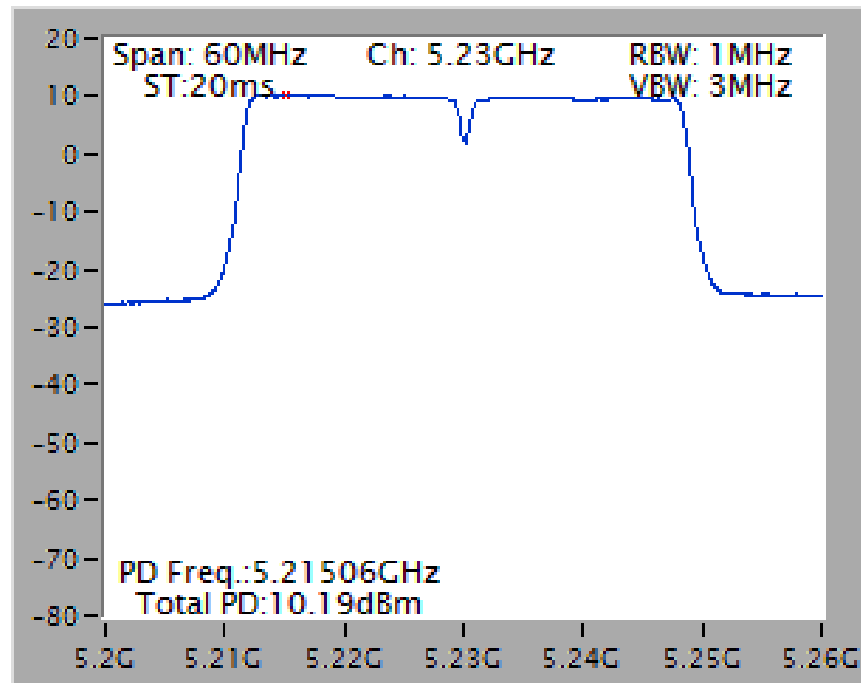
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5200 MHz



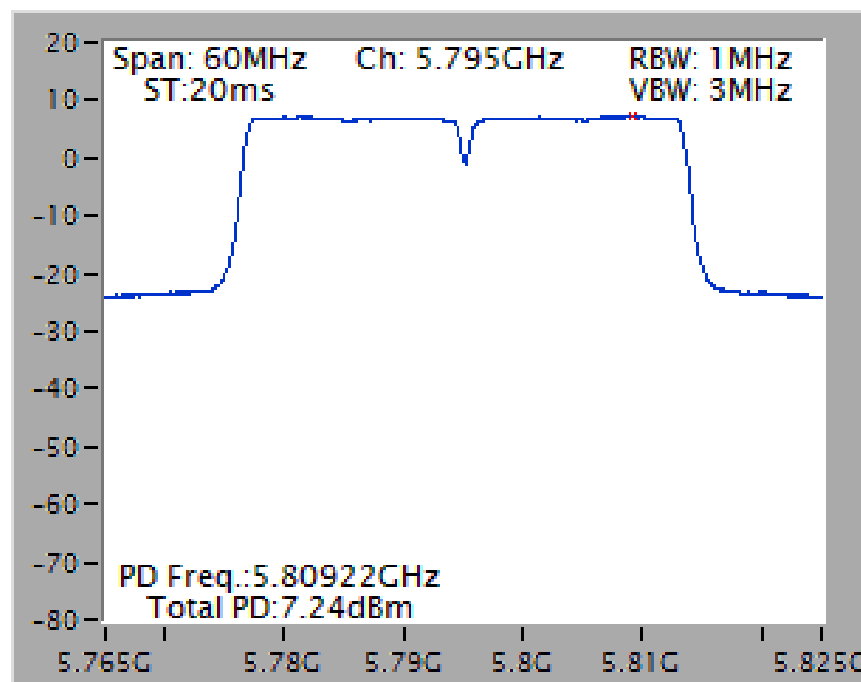
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



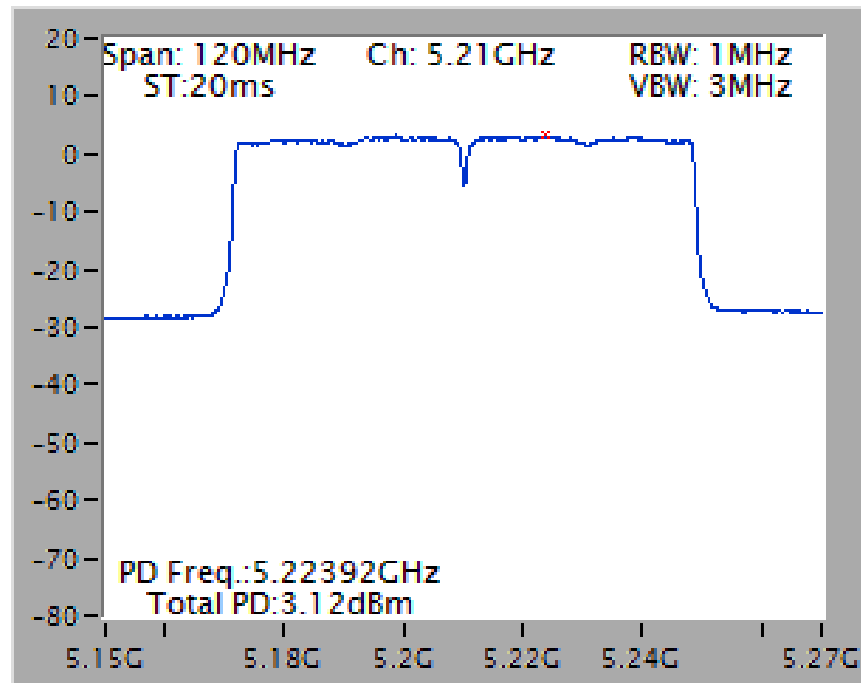
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5230 MHz



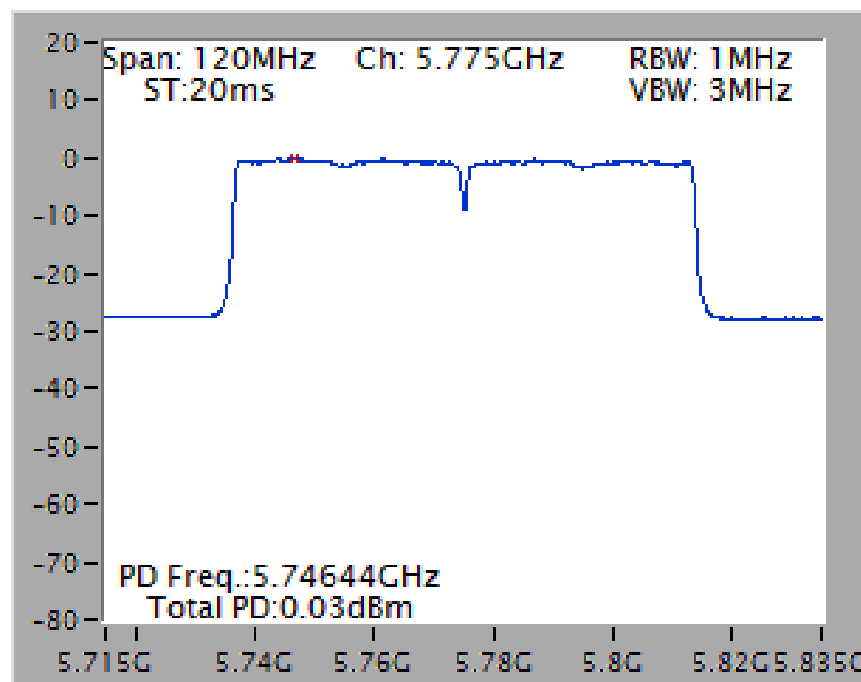
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz



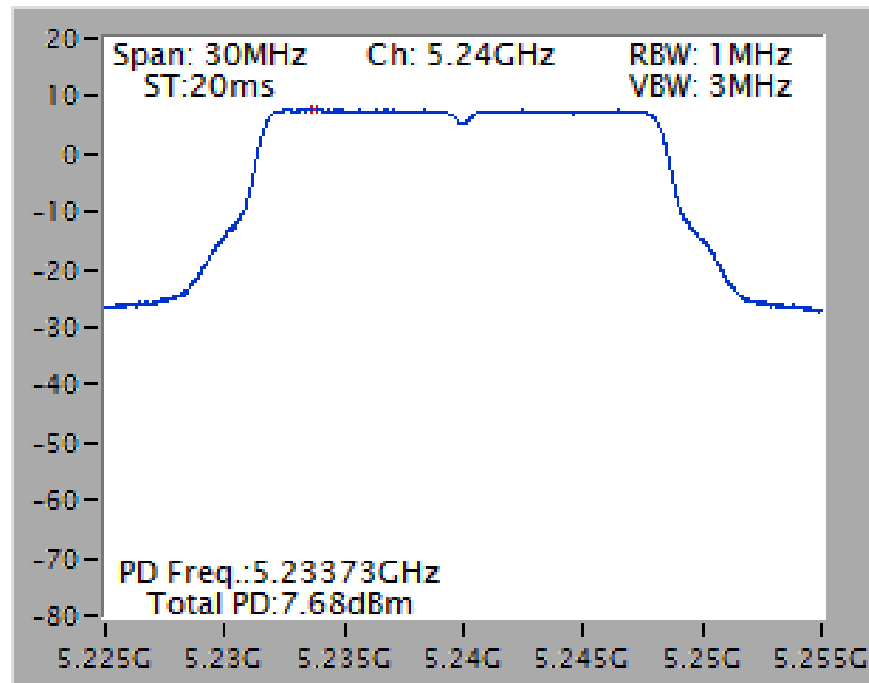
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz



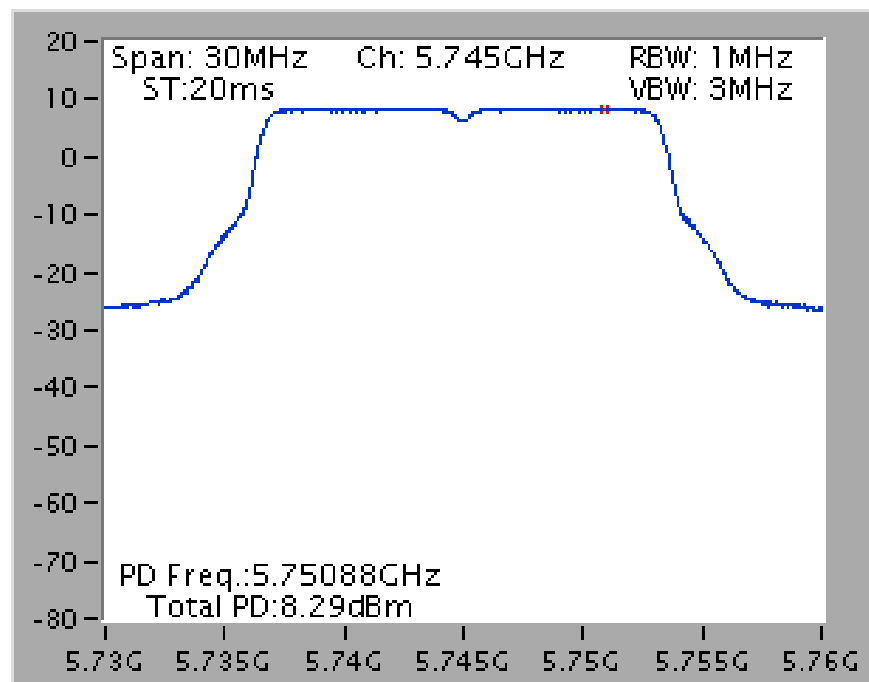
For indoor / outdoor use

Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX)

Power Density Plot on Configuration IEEE 802.11a / Chain 1 / 5240 MHz

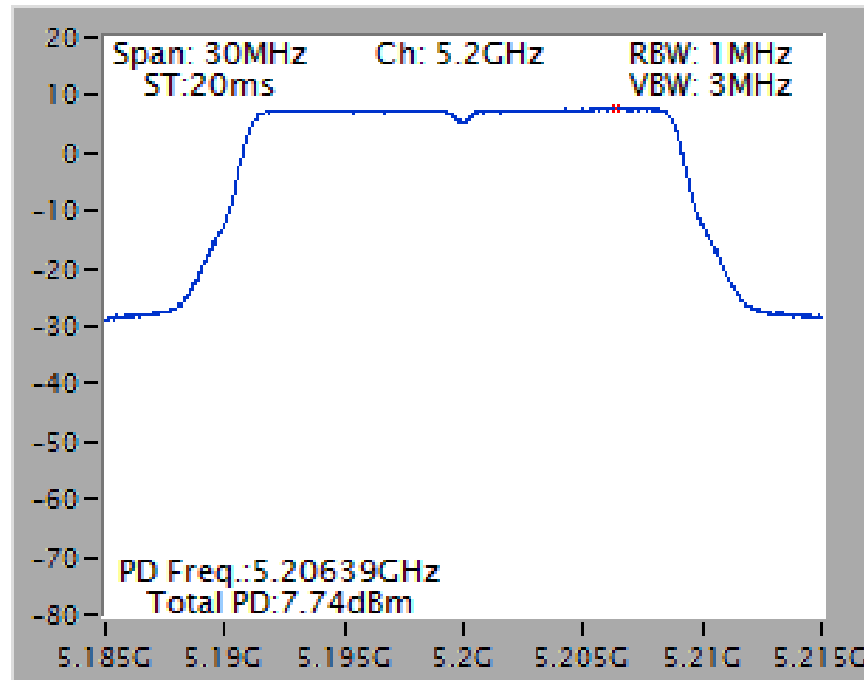


Power Density Plot on Configuration IEEE 802.11a / Chain 1 / 5745 MHz

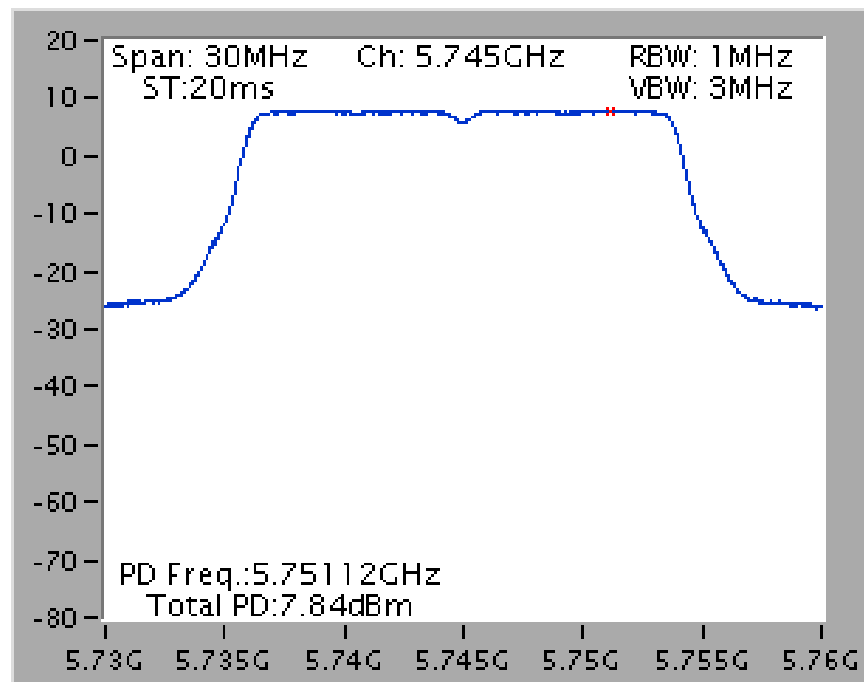




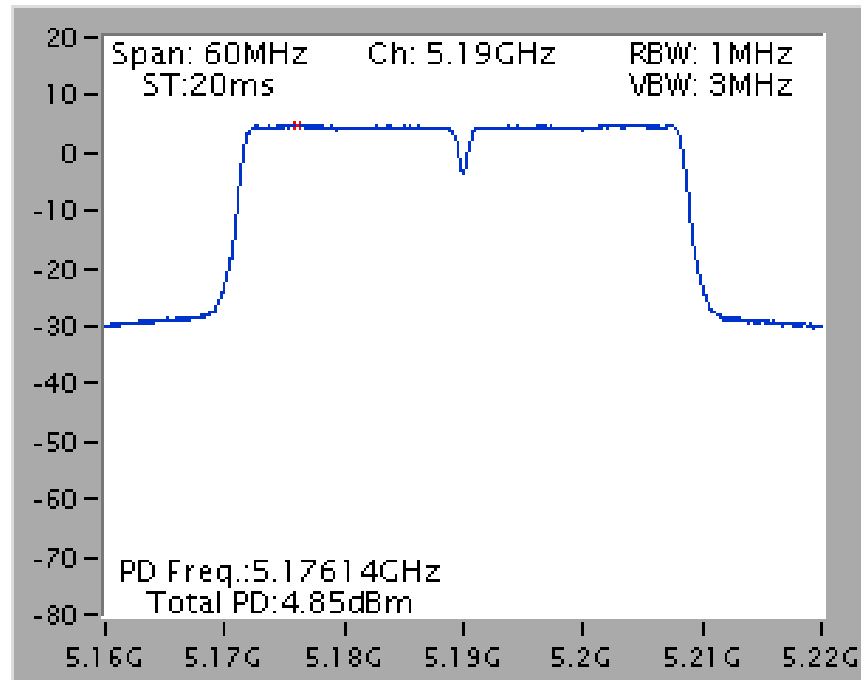
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5200 MHz



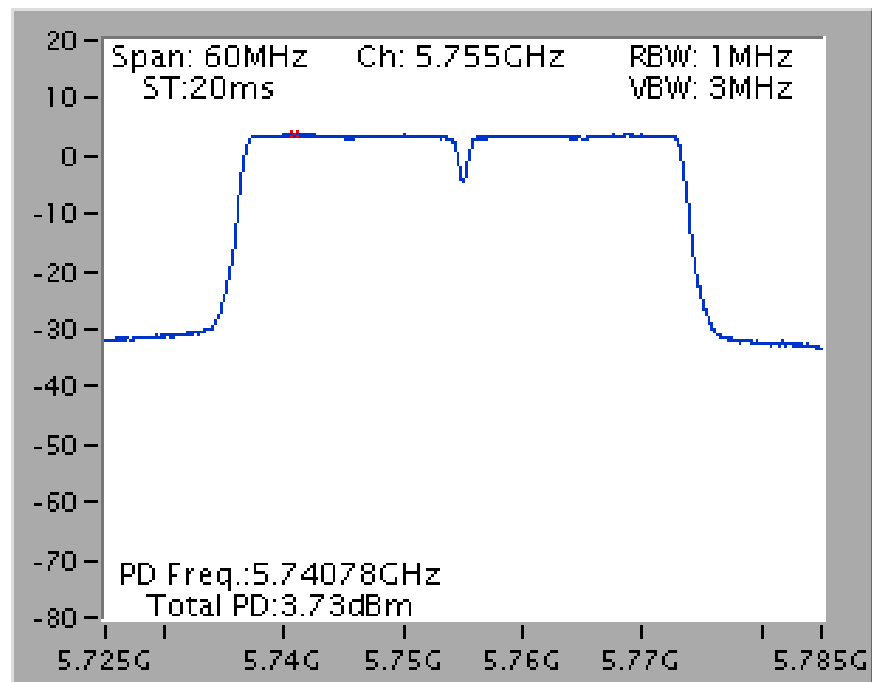
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5745 MHz



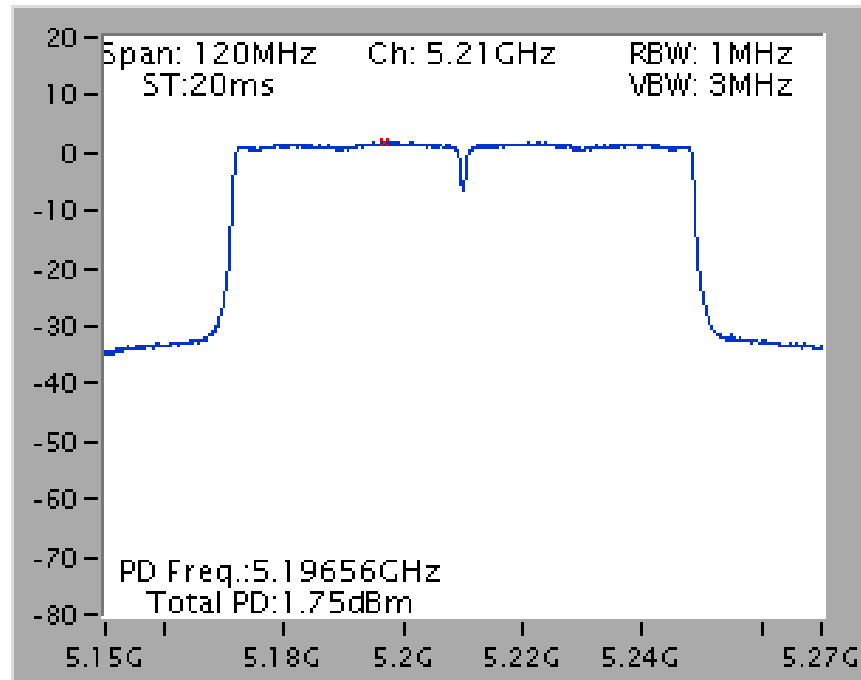
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5190 MHz



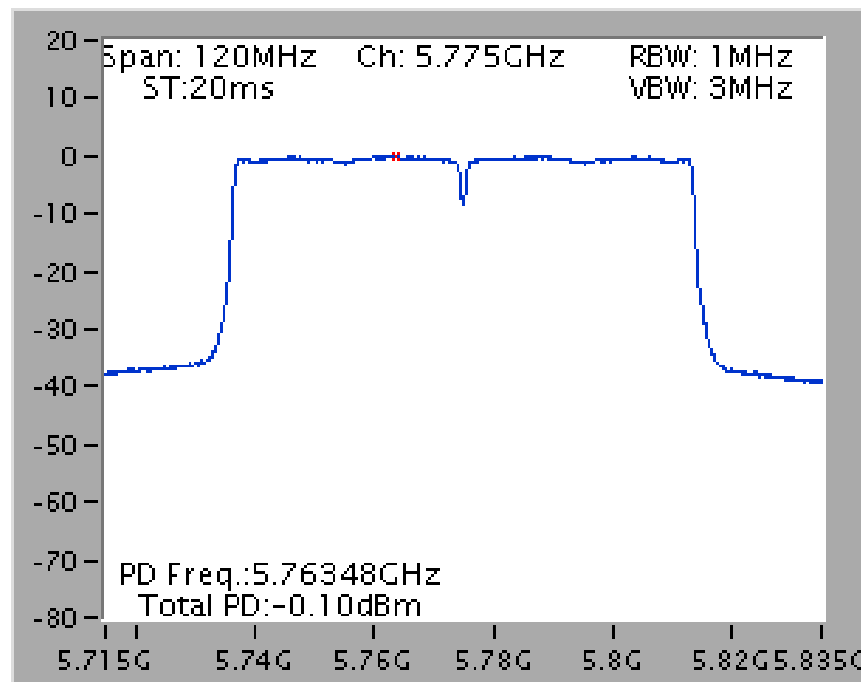
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5755 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5210 MHz

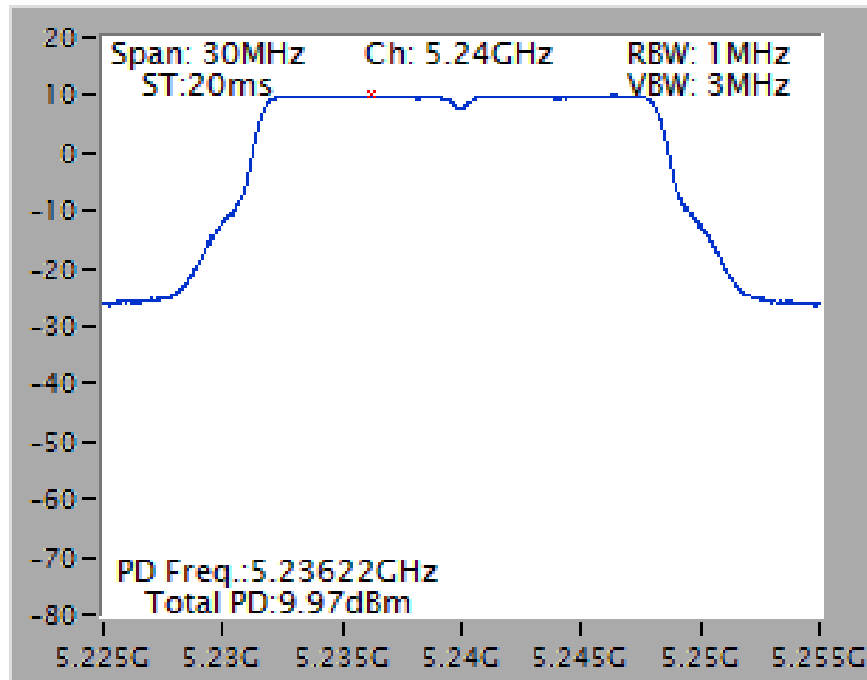


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5775 MHz

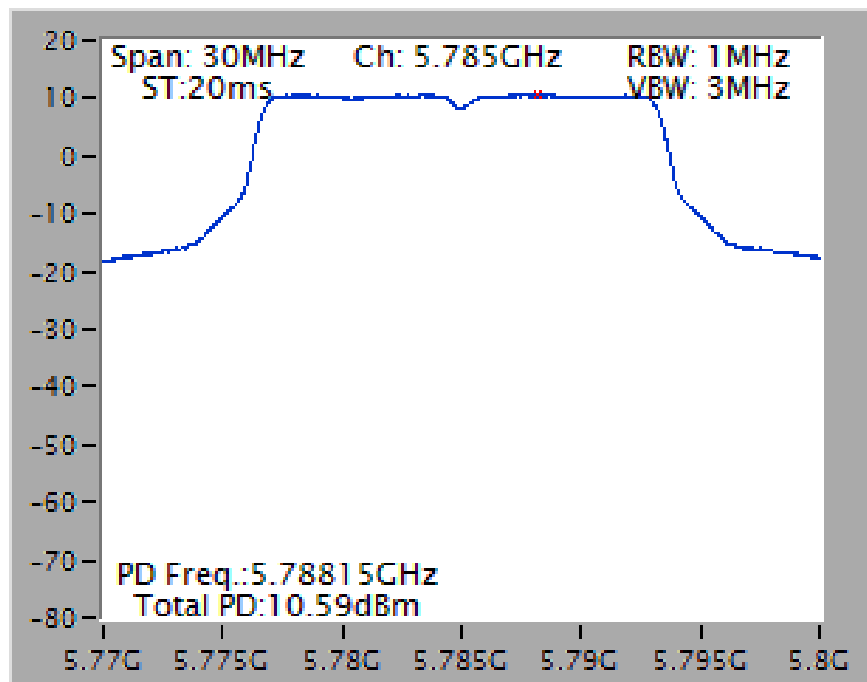


Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)

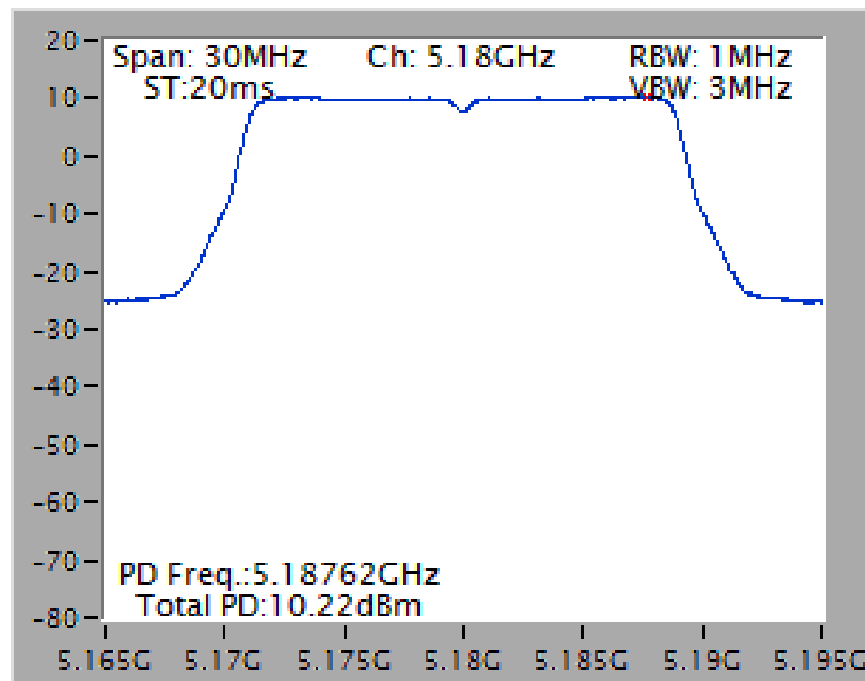
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 / 5240 MHz



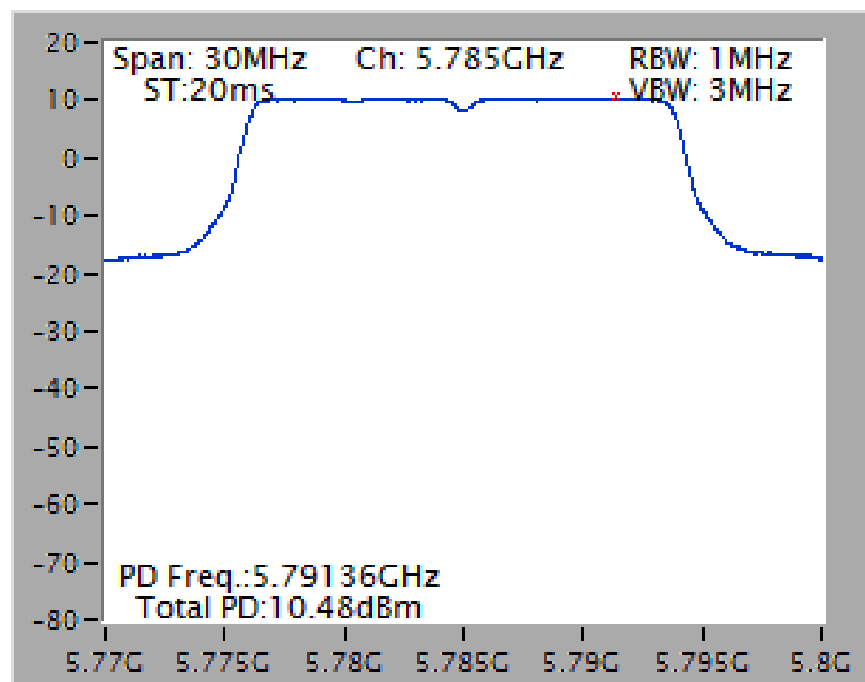
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 / 5785 MHz



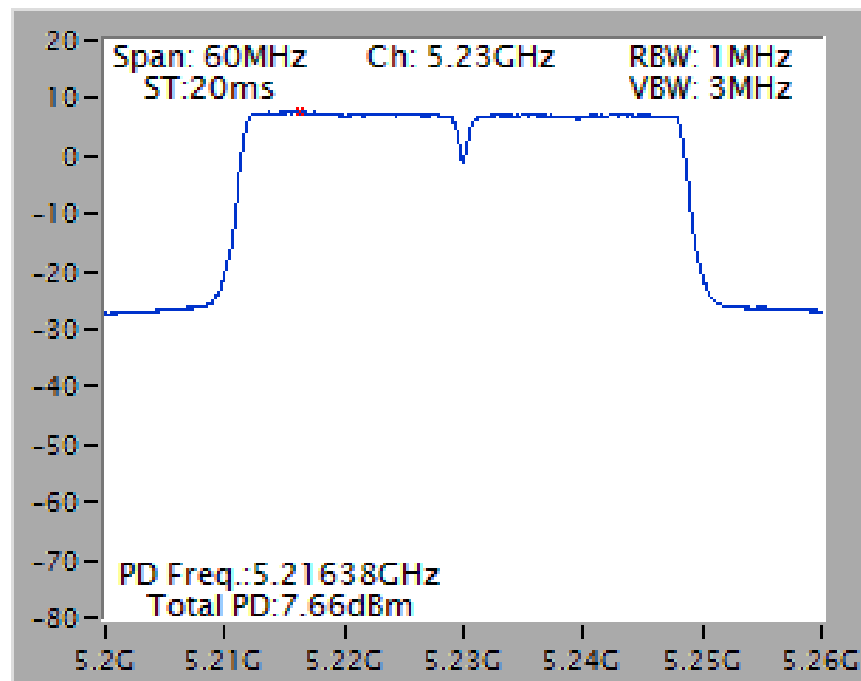
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5180 MHz



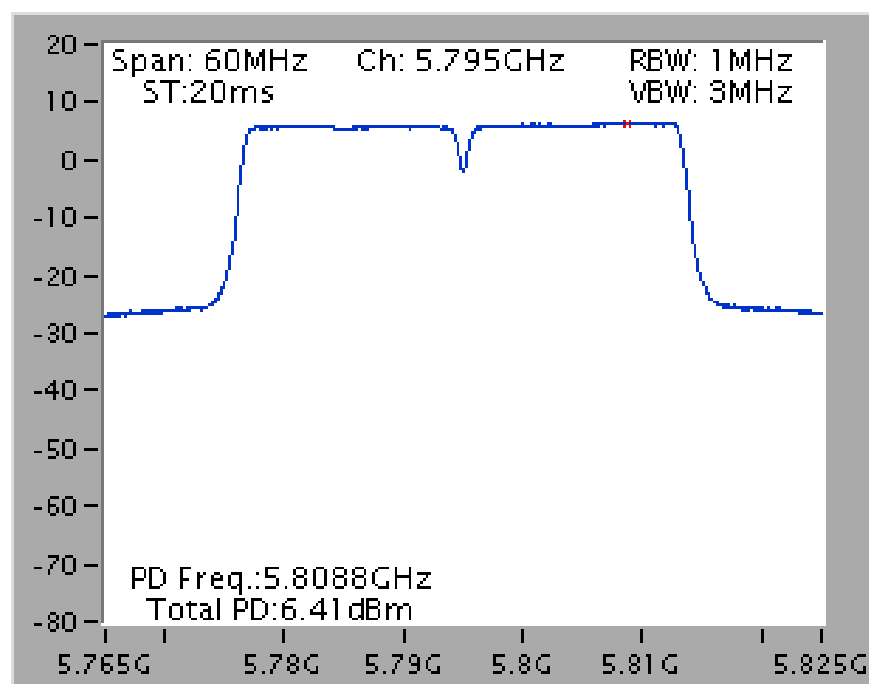
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5785 MHz



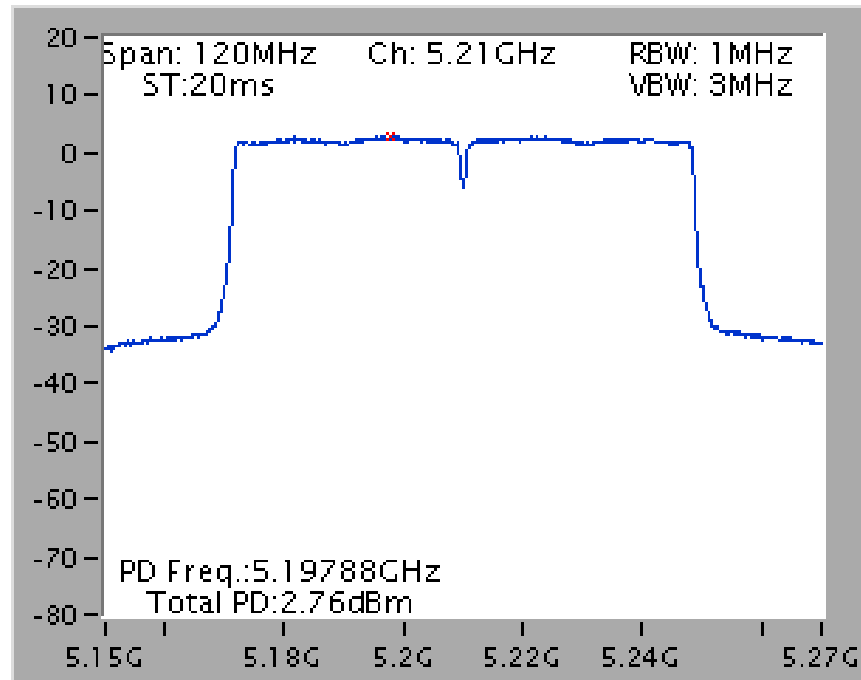
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5230 MHz



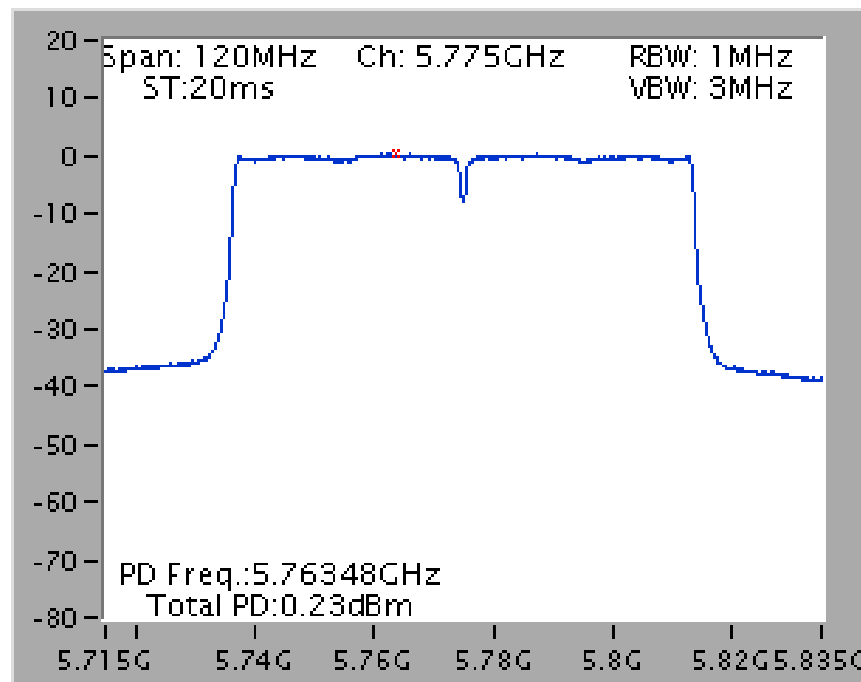
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5210 MHz

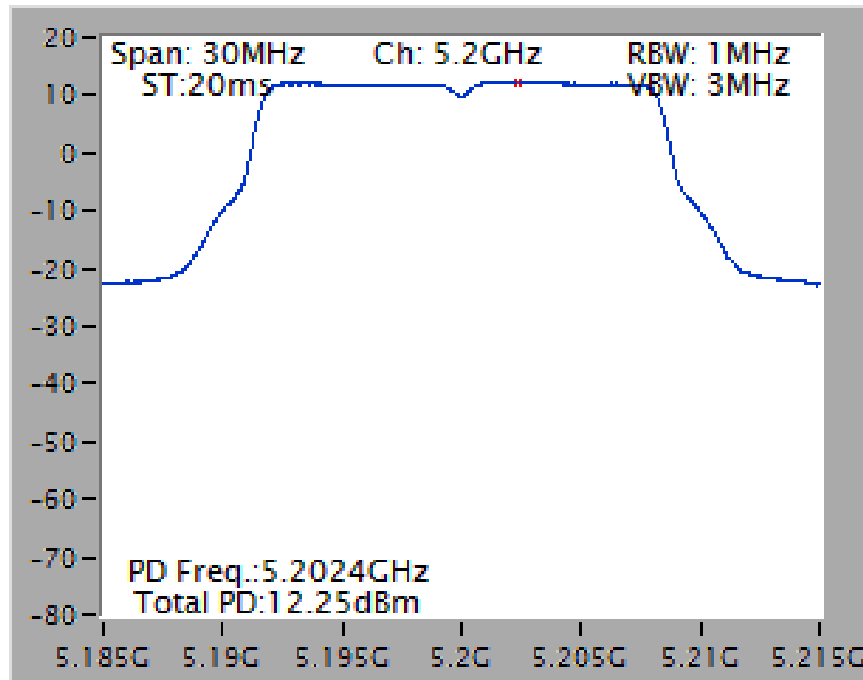


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5775 MHz

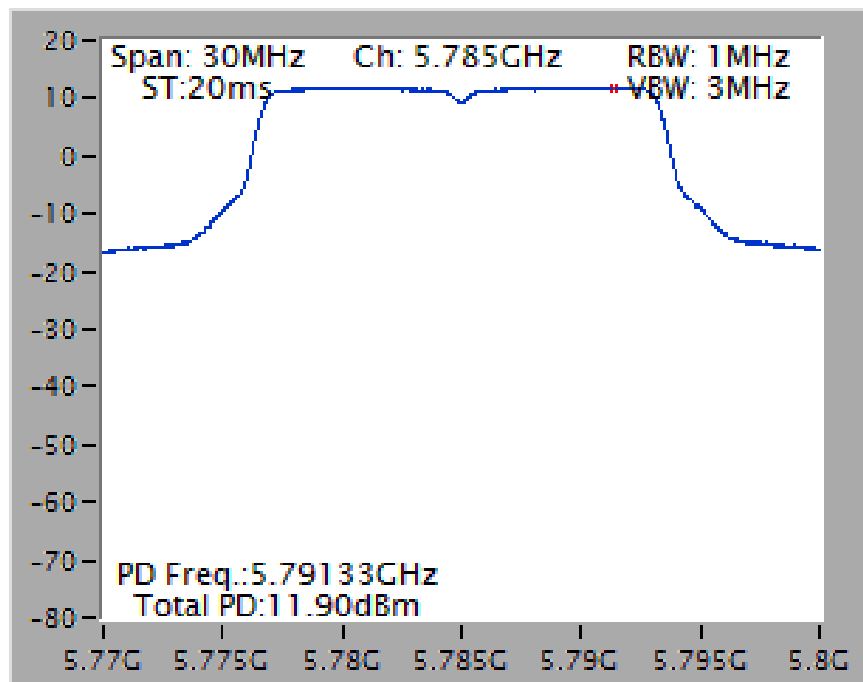


Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)

Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5200 MHz

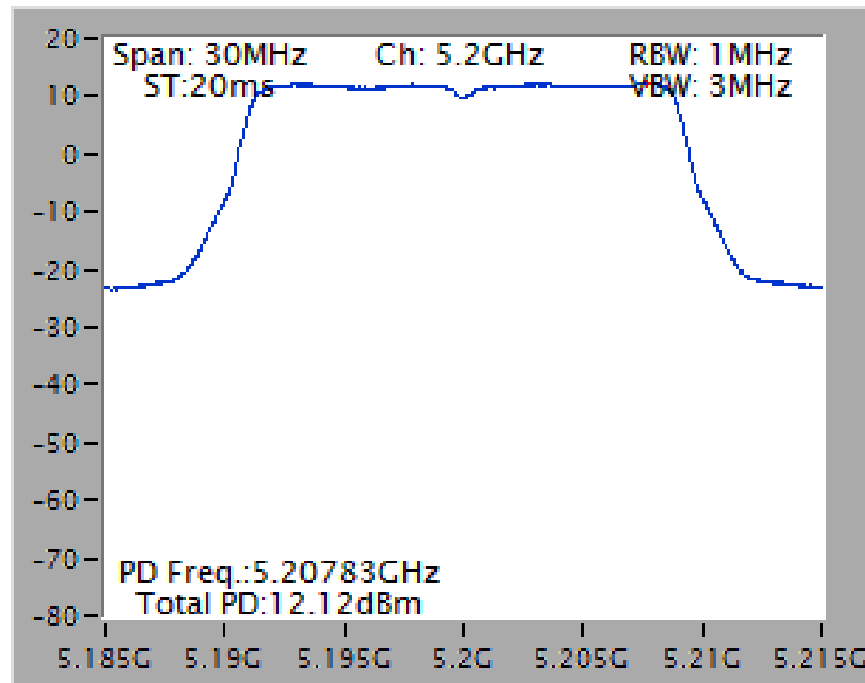


Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5785 MHz

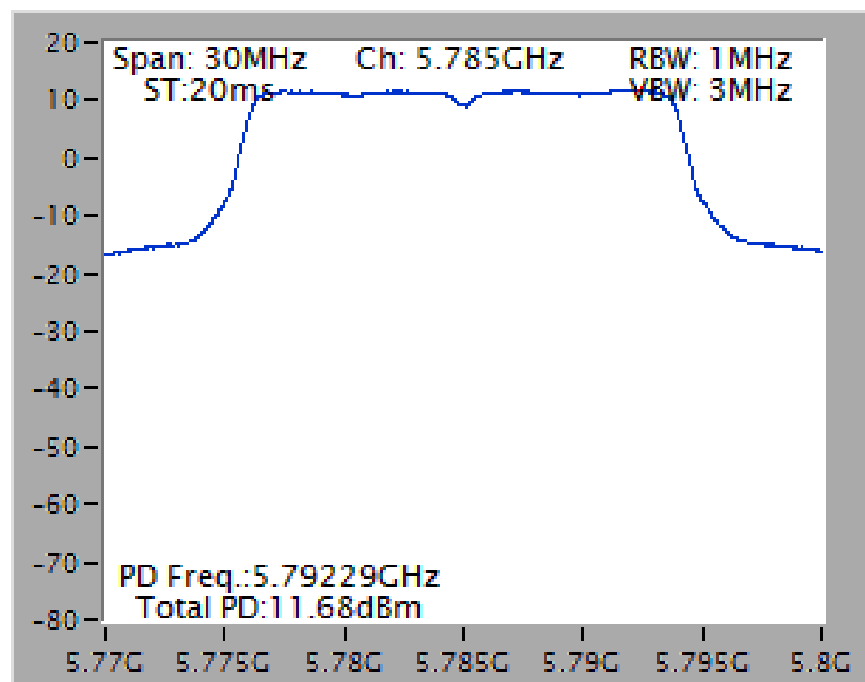




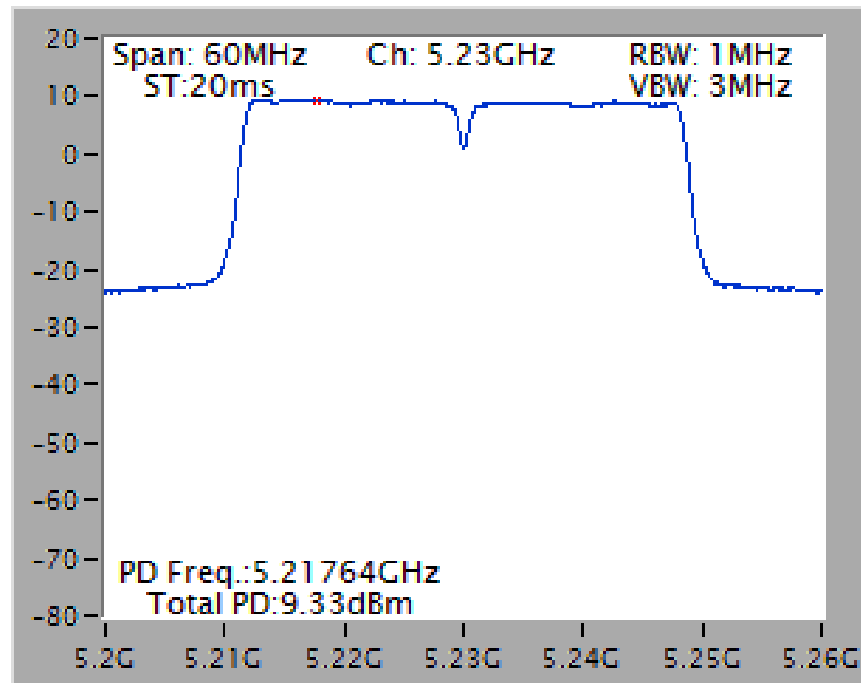
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 /  
5200 MHz



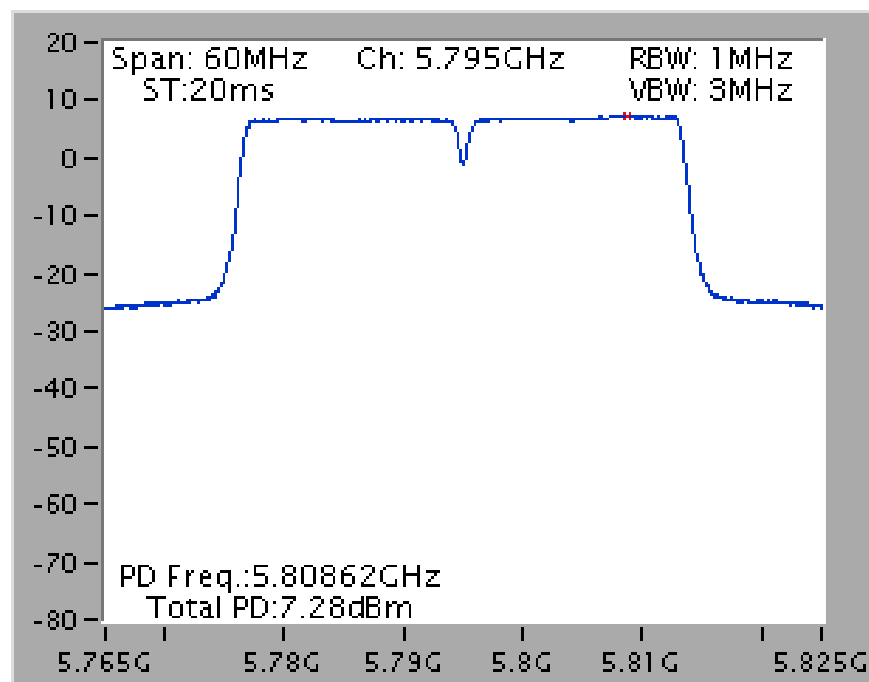
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 /  
5785 MHz



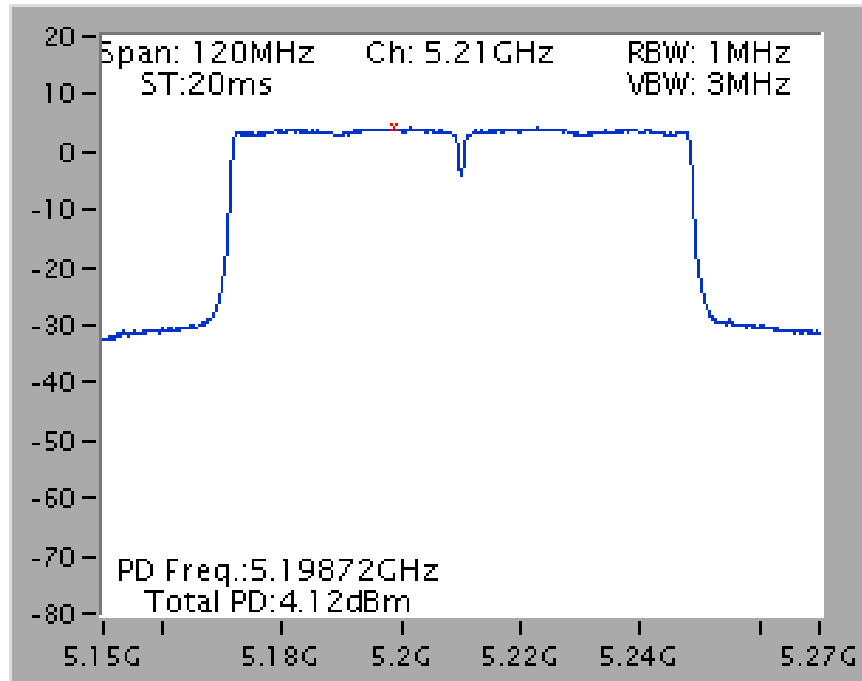
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 /  
5230 MHz



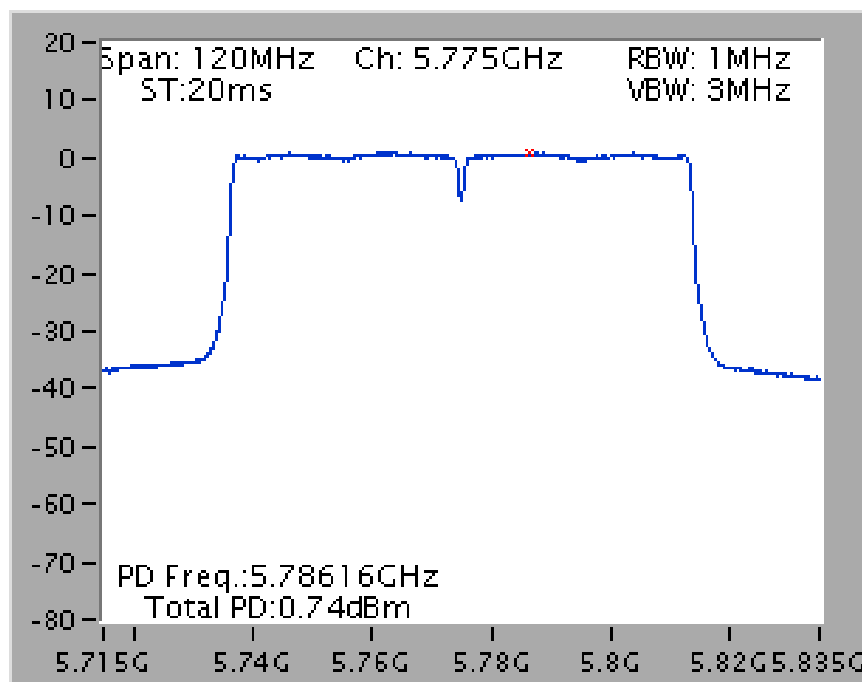
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 /  
5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 /  
5210 MHz

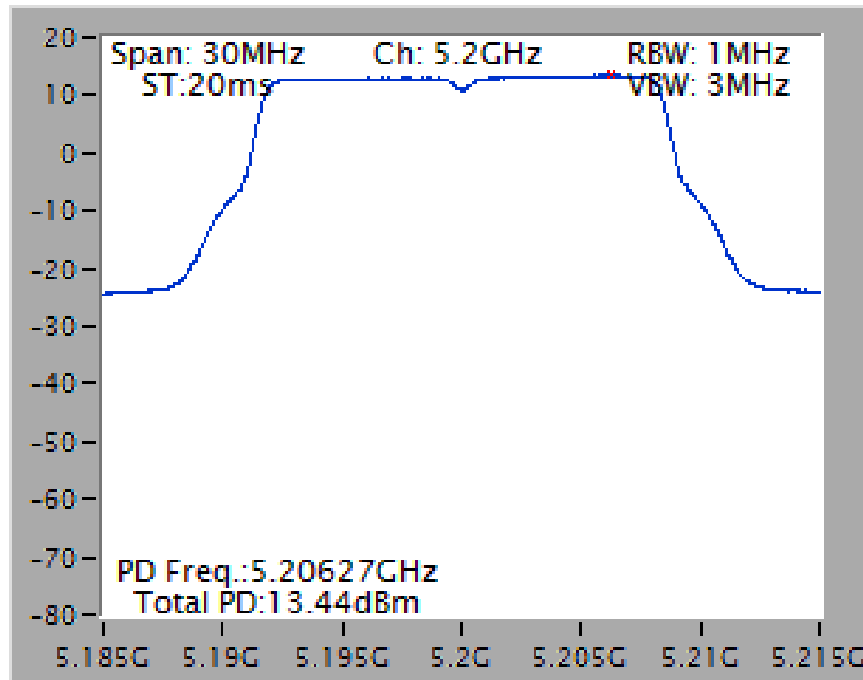


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 /  
5775 MHz

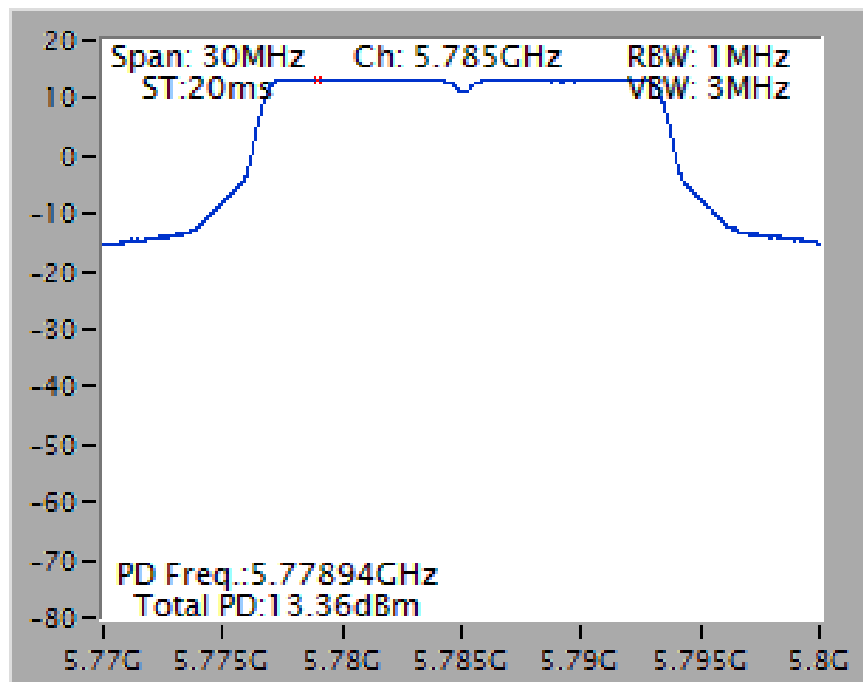


Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)

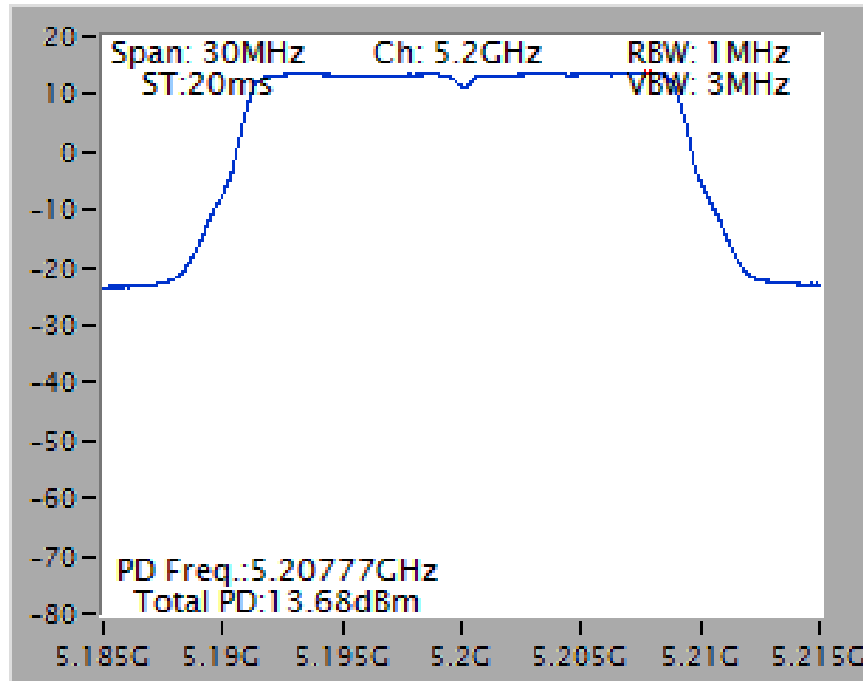
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5200 MHz



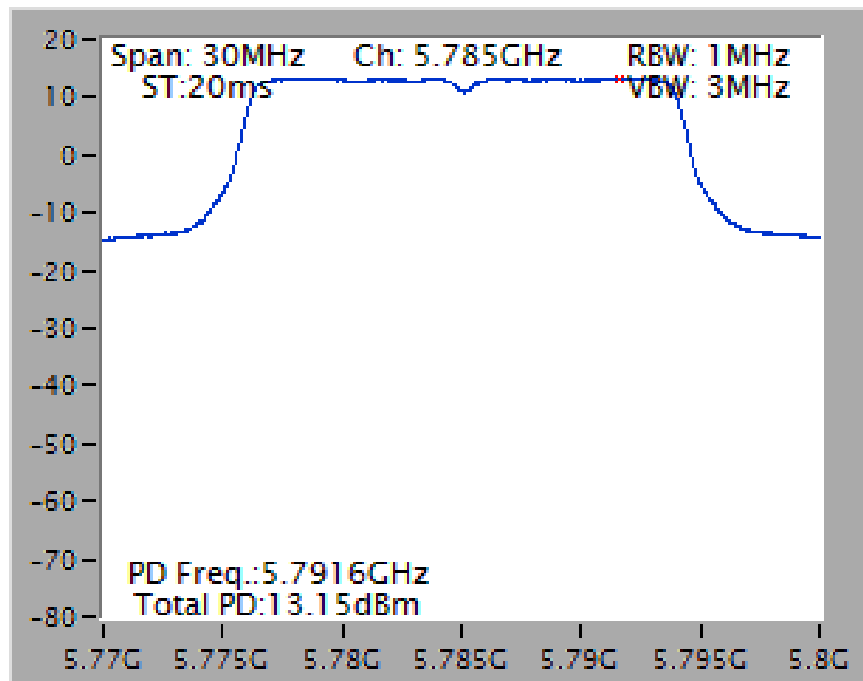
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



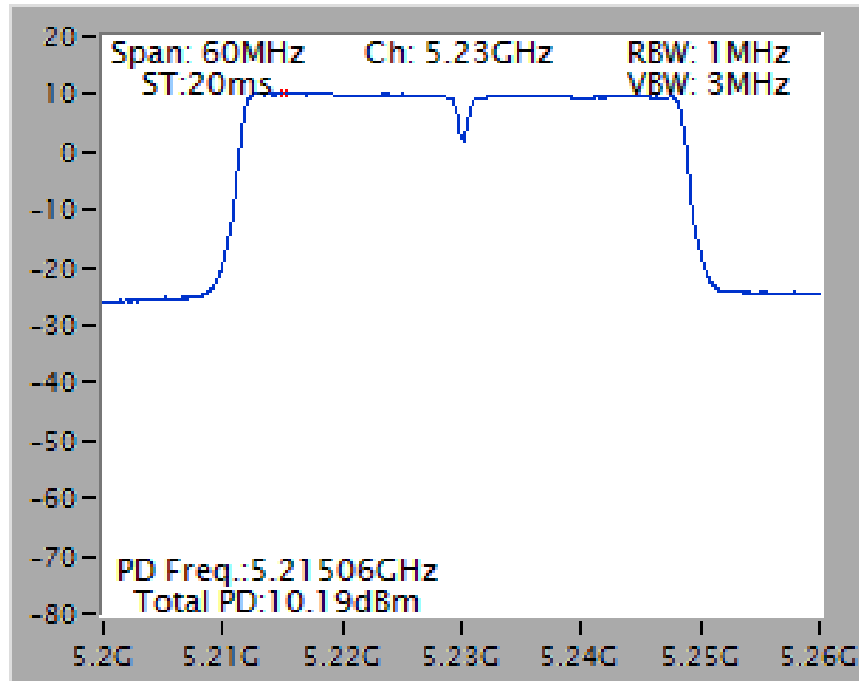
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5200 MHz



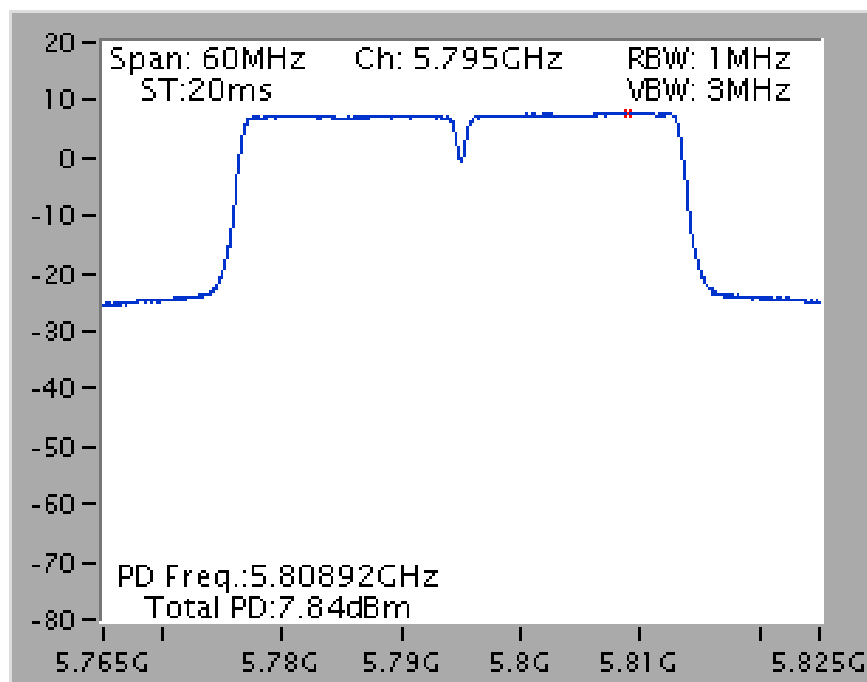
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



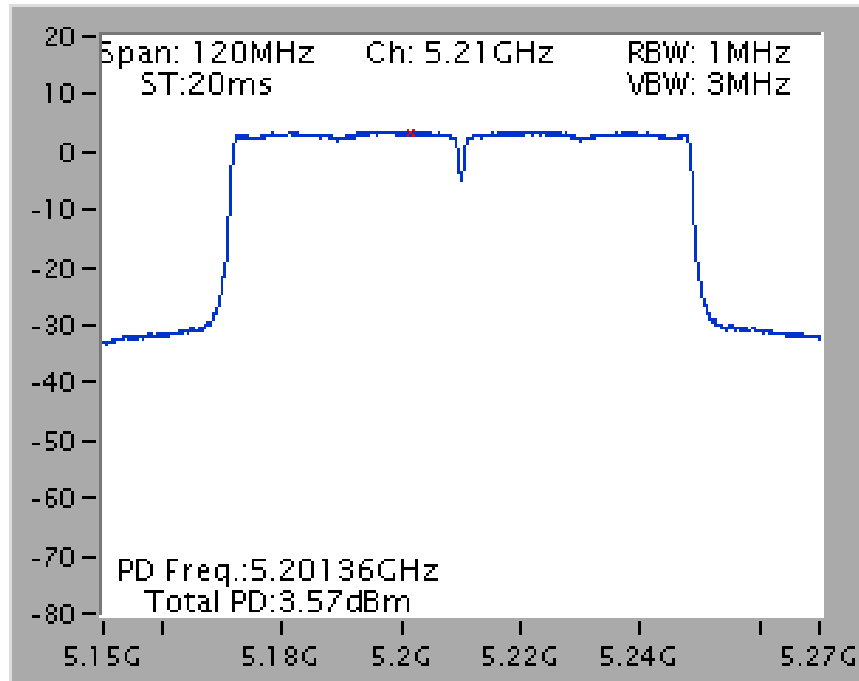
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5230 MHz



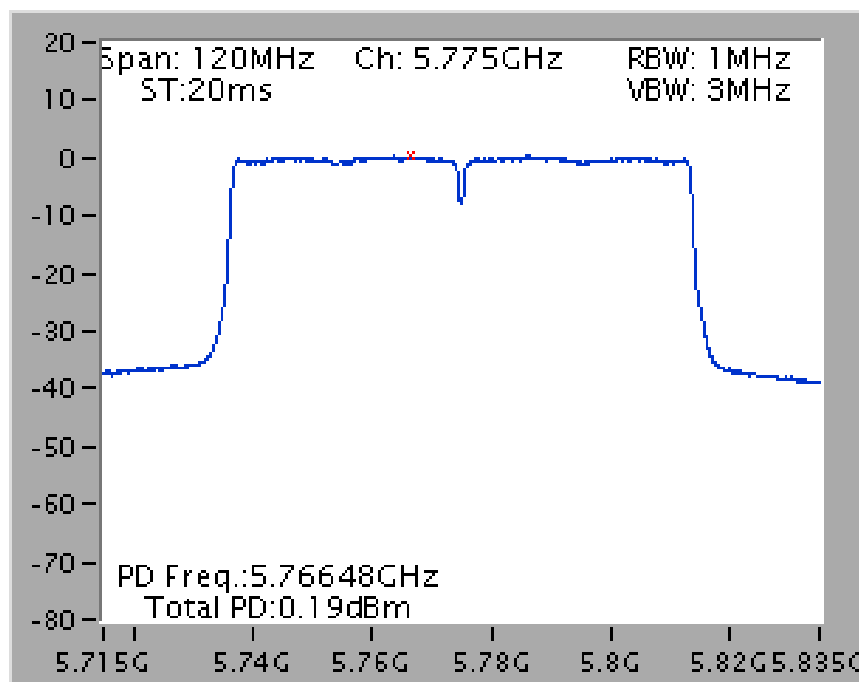
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz



**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz**



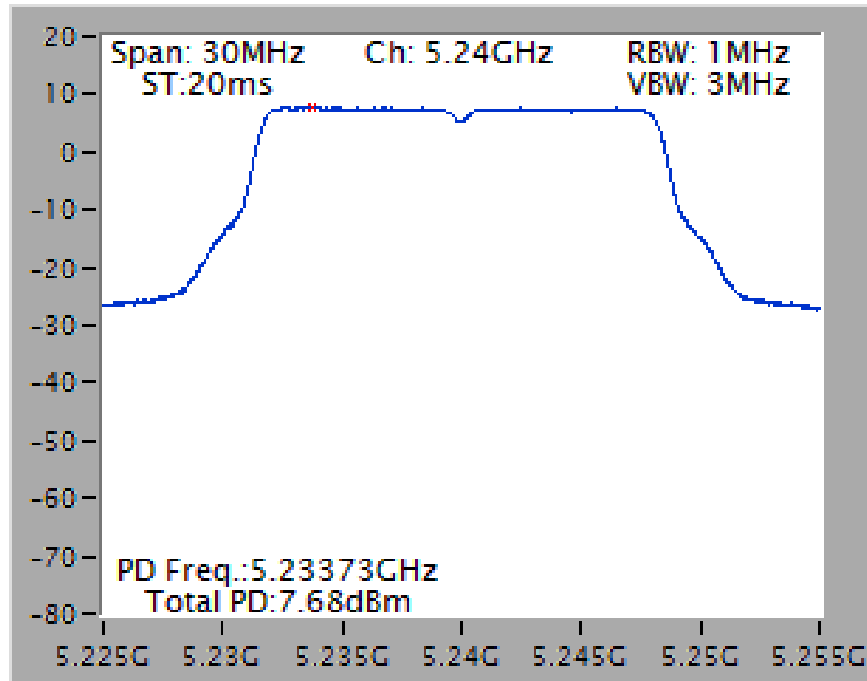
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz**



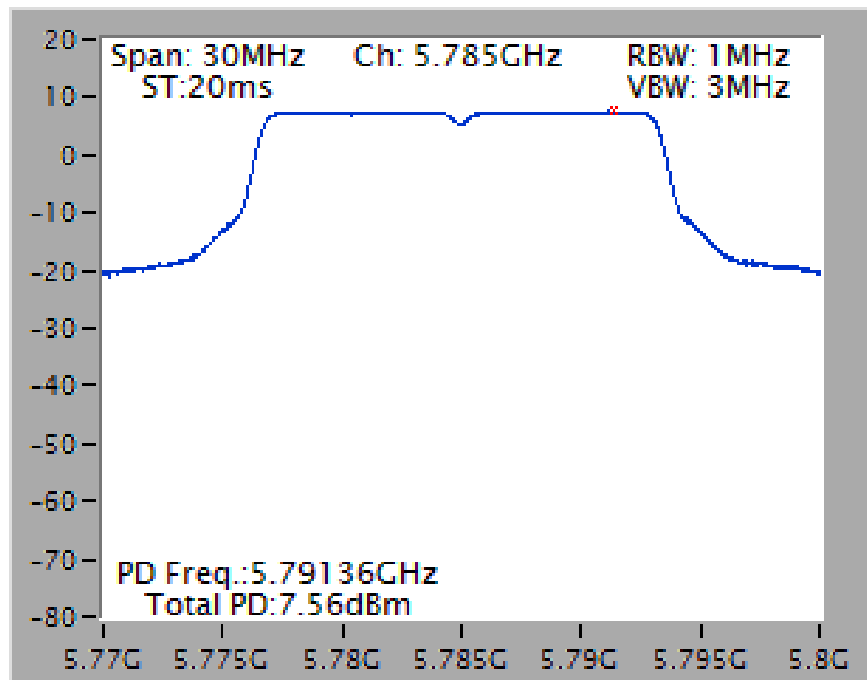
For indoor use

Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX)

Power Density Plot on Configuration IEEE 802.11a / Chain 1 / 5240 MHz

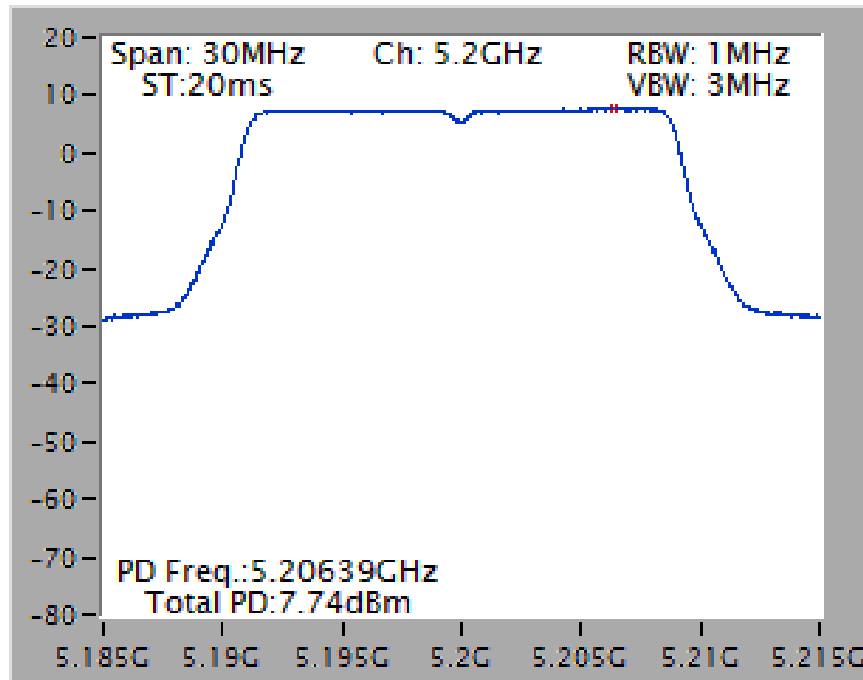


Power Density Plot on Configuration IEEE 802.11a / Chain 1 / 5785 MHz

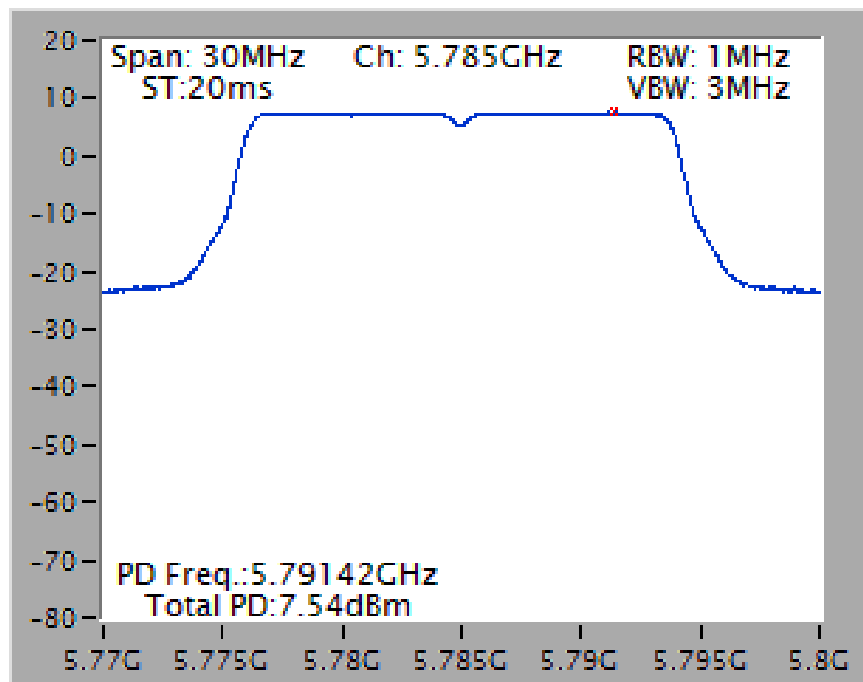




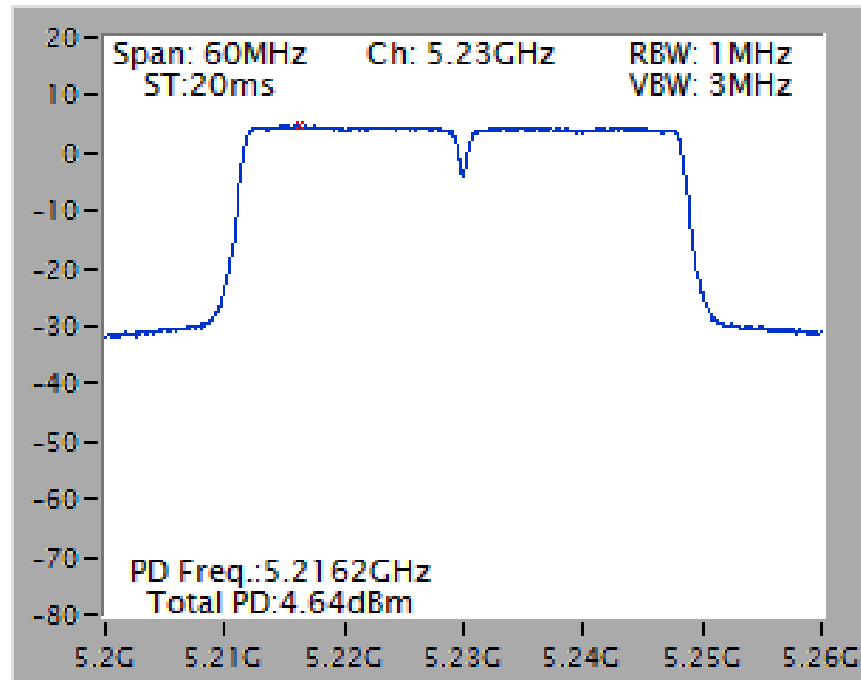
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5200 MHz



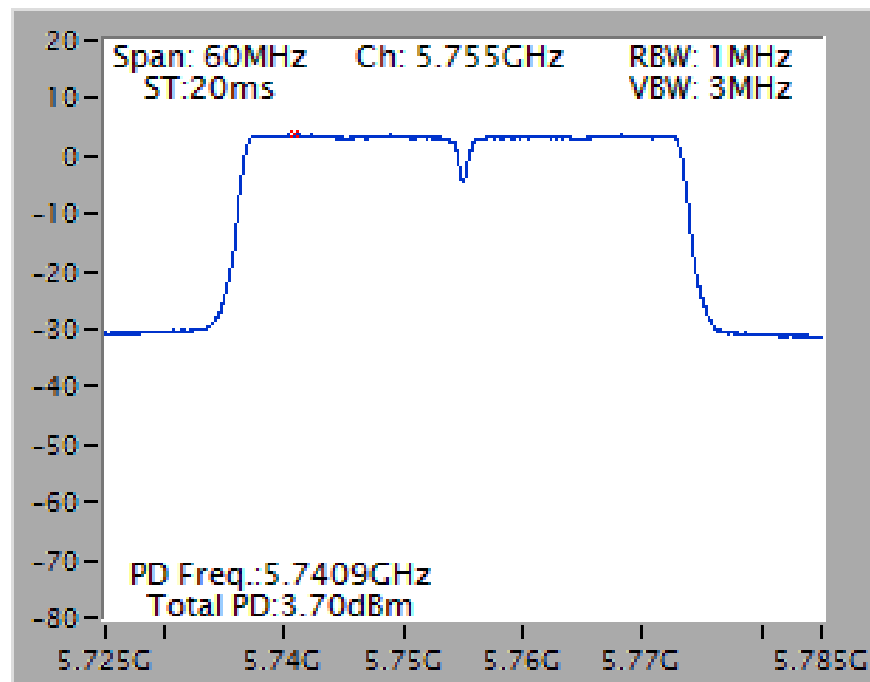
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5785 MHz



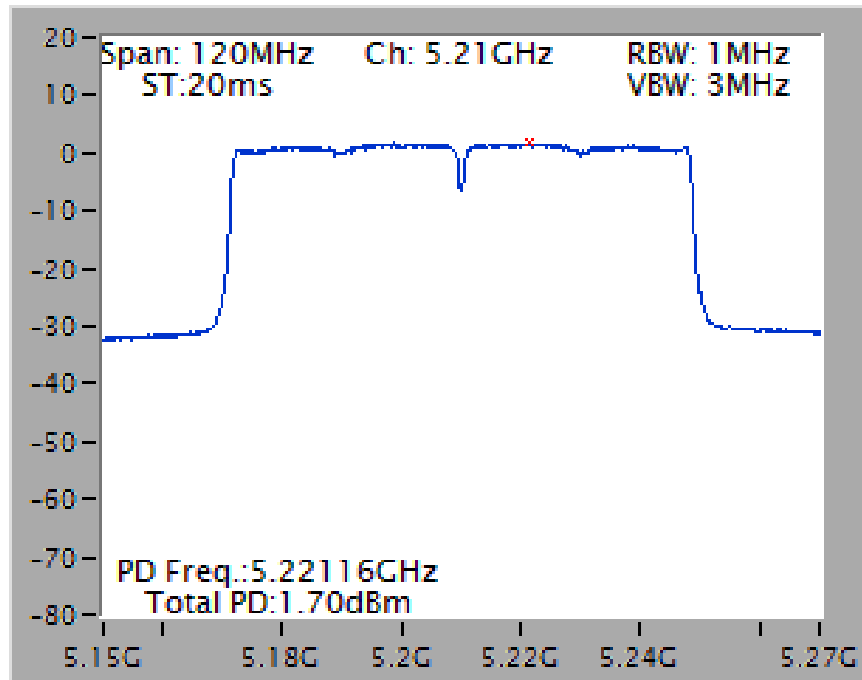
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5230 MHz



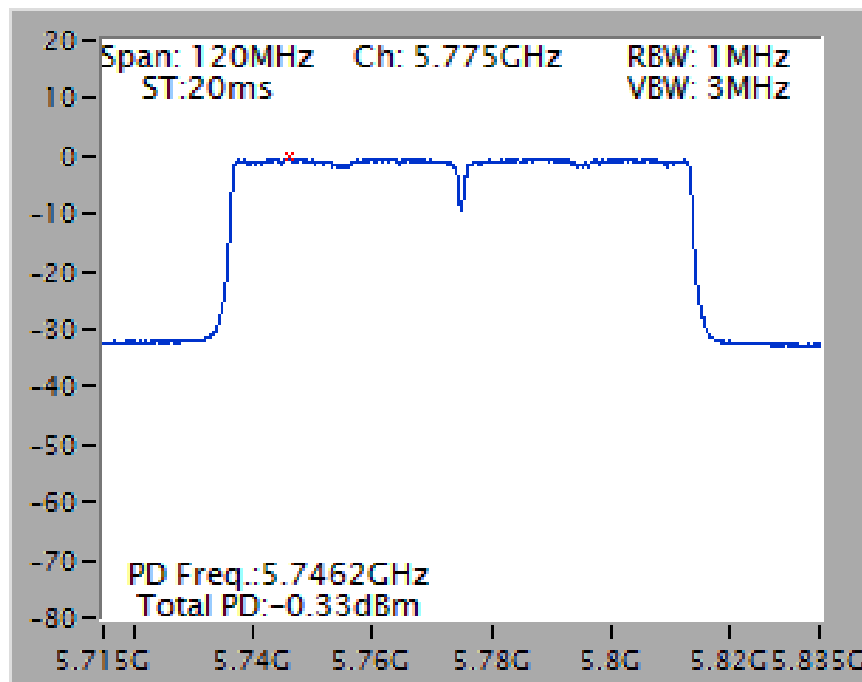
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5755 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5210 MHz

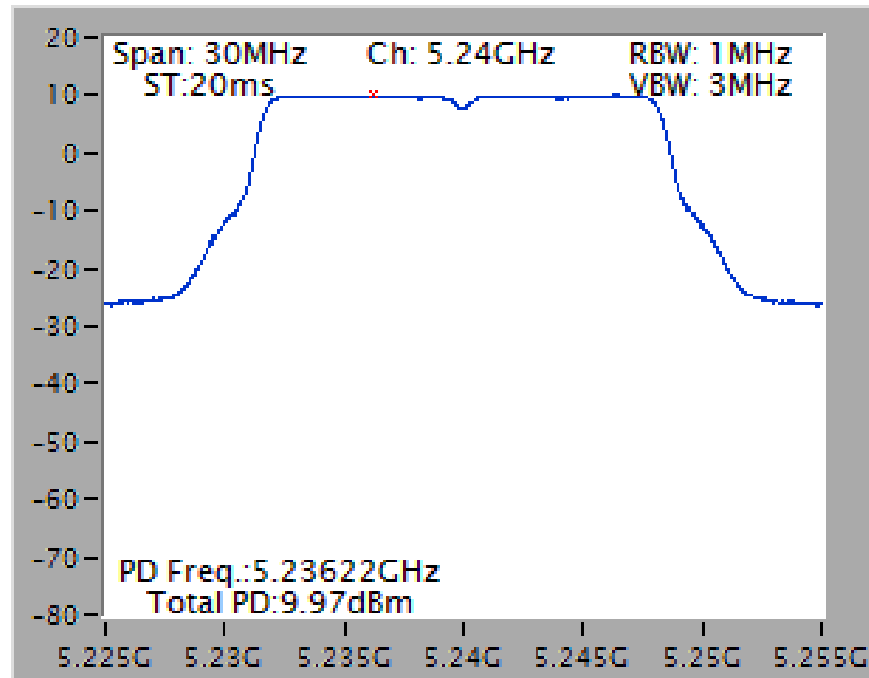


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5775 MHz

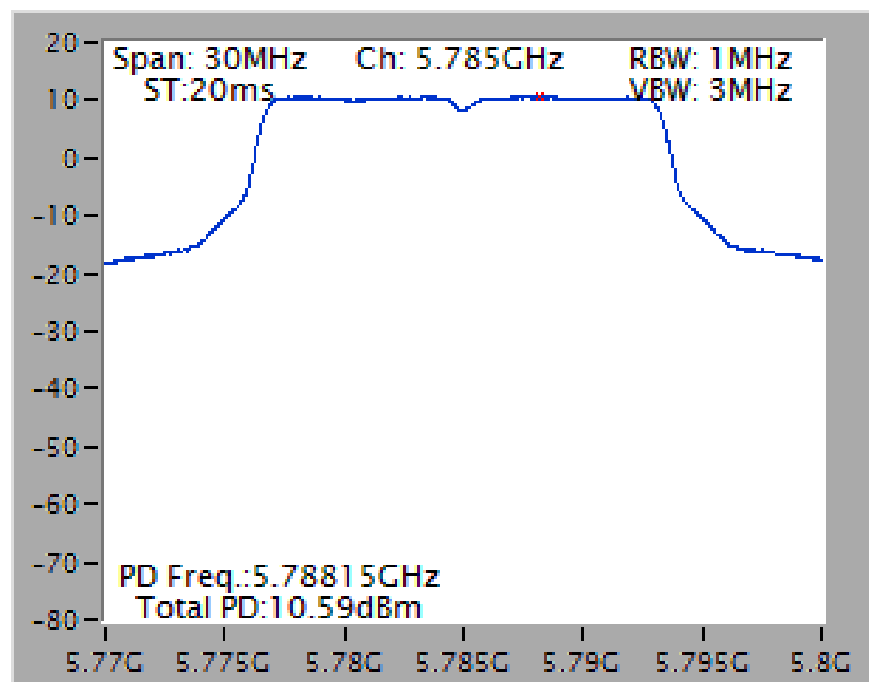


Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)

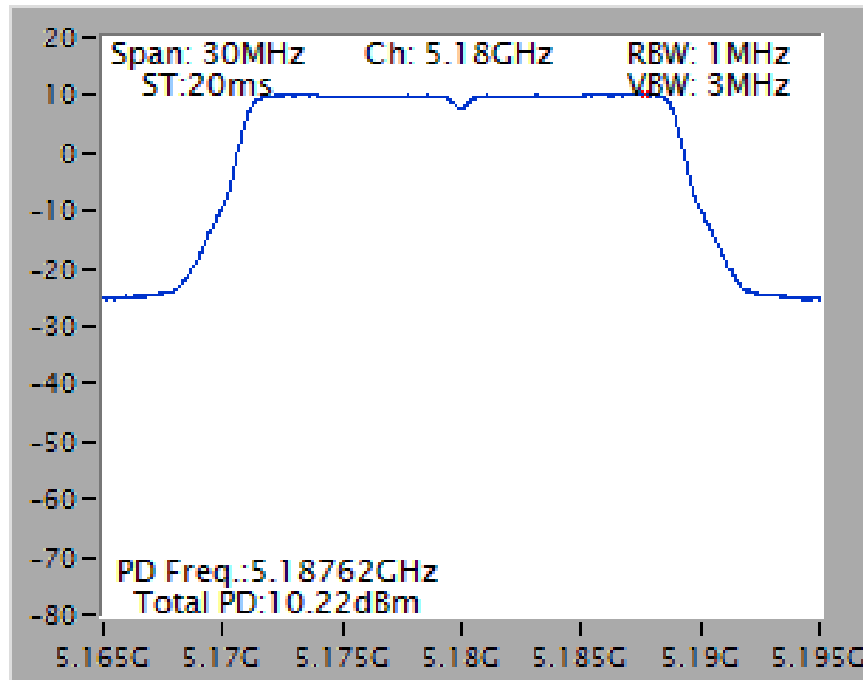
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 / 5240 MHz



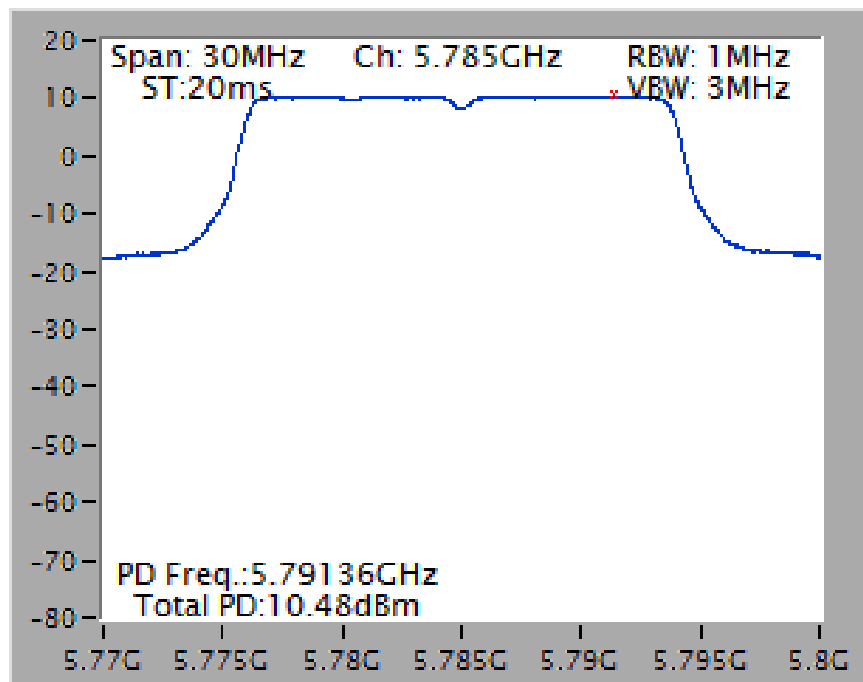
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 / 5785 MHz



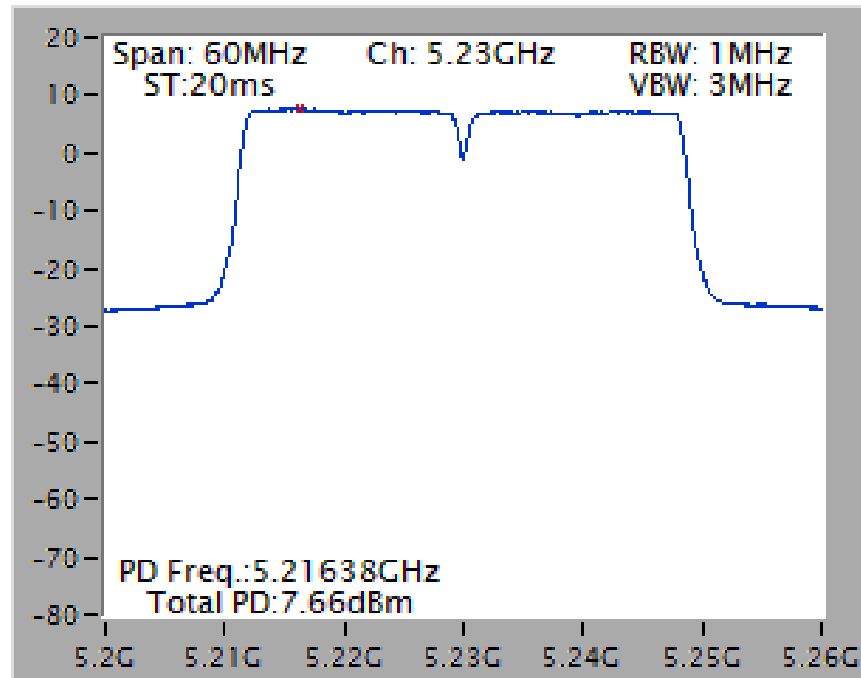
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5180 MHz



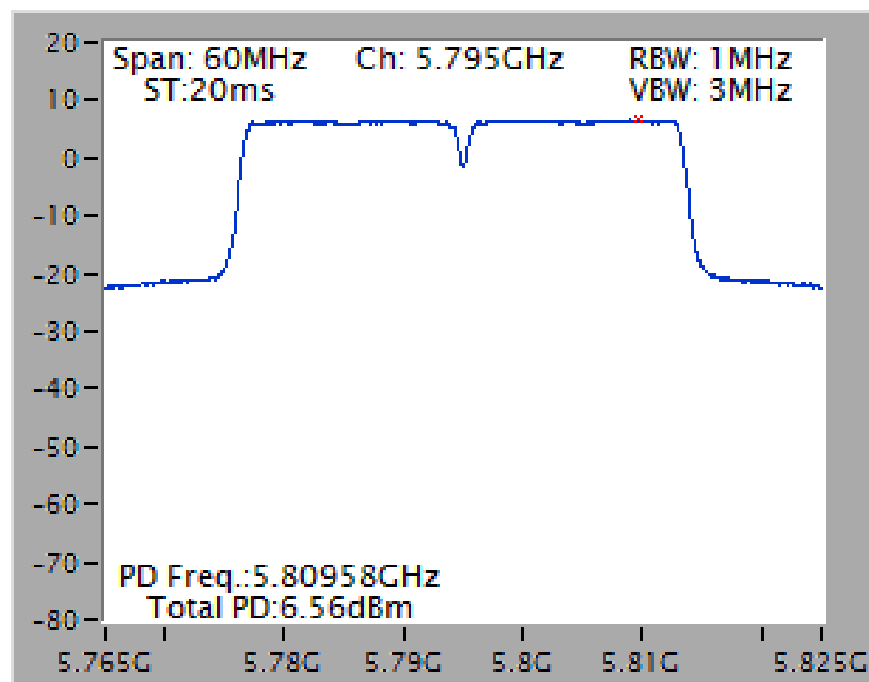
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5785 MHz



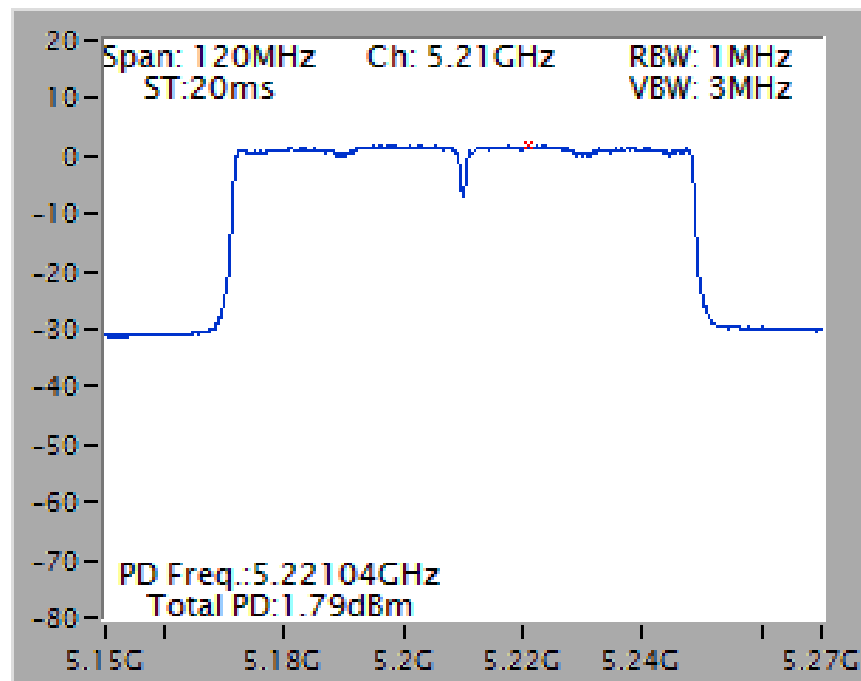
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5230 MHz



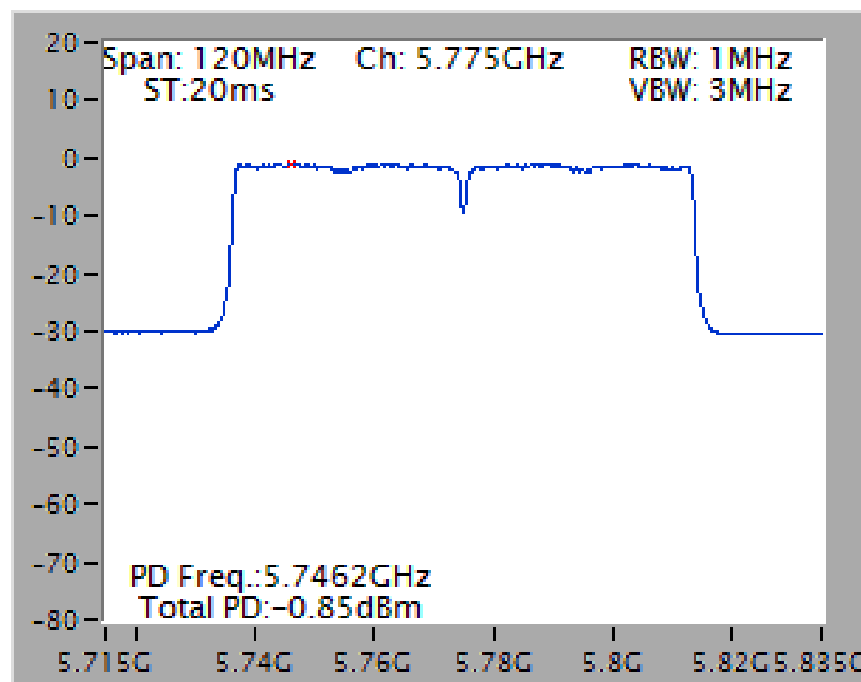
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5210 MHz

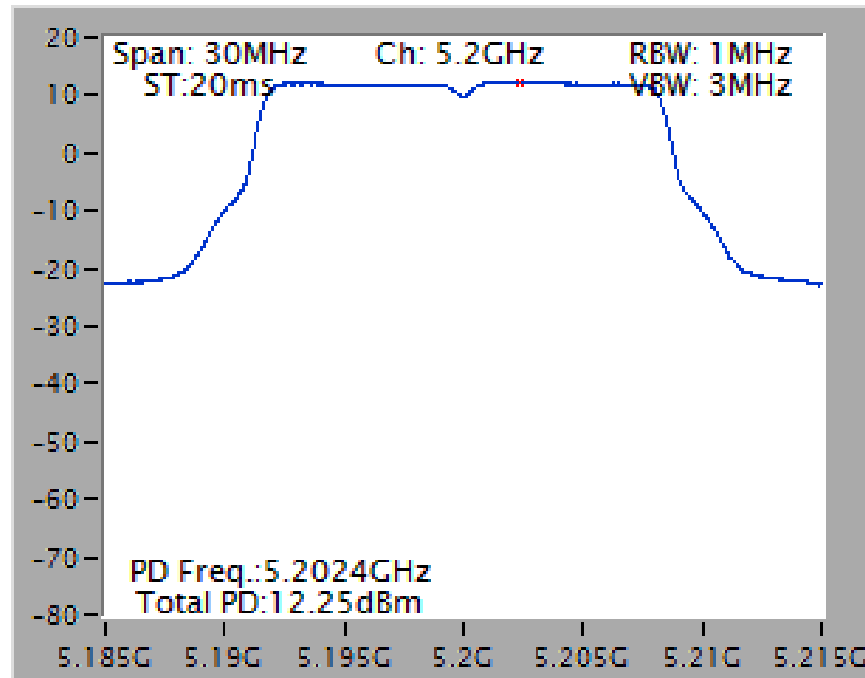


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5775 MHz

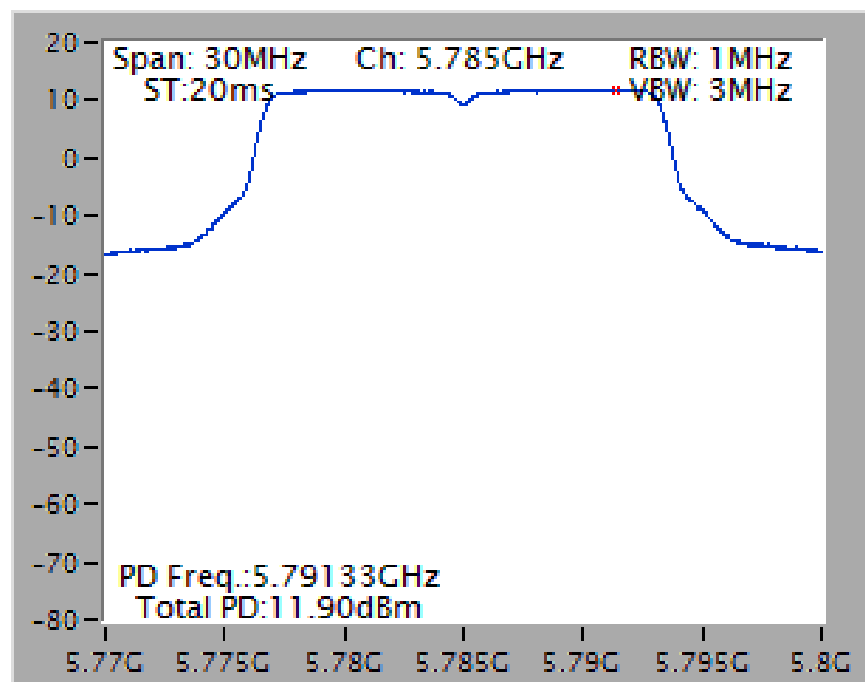


Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)

Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5200 MHz

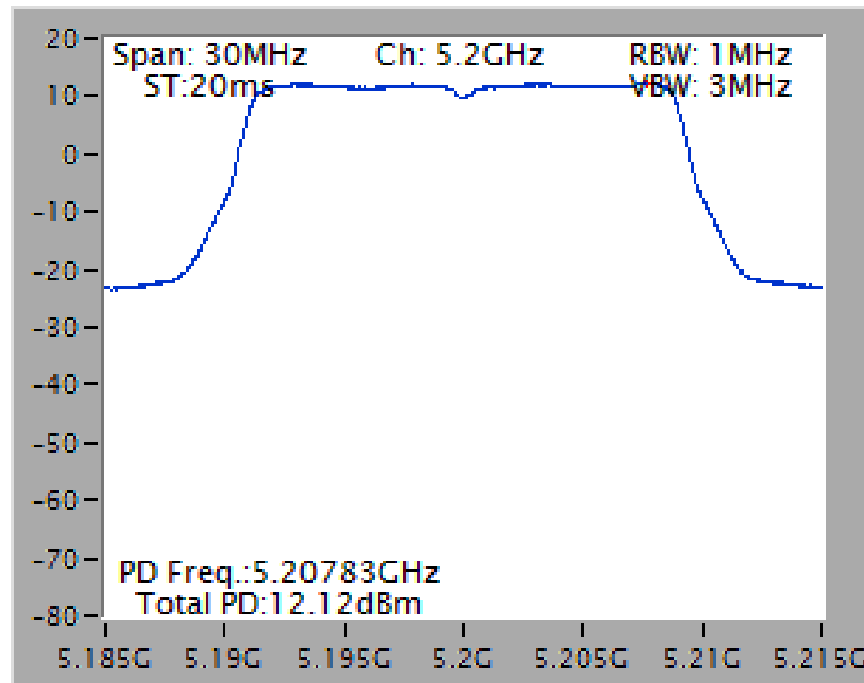


Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5785 MHz

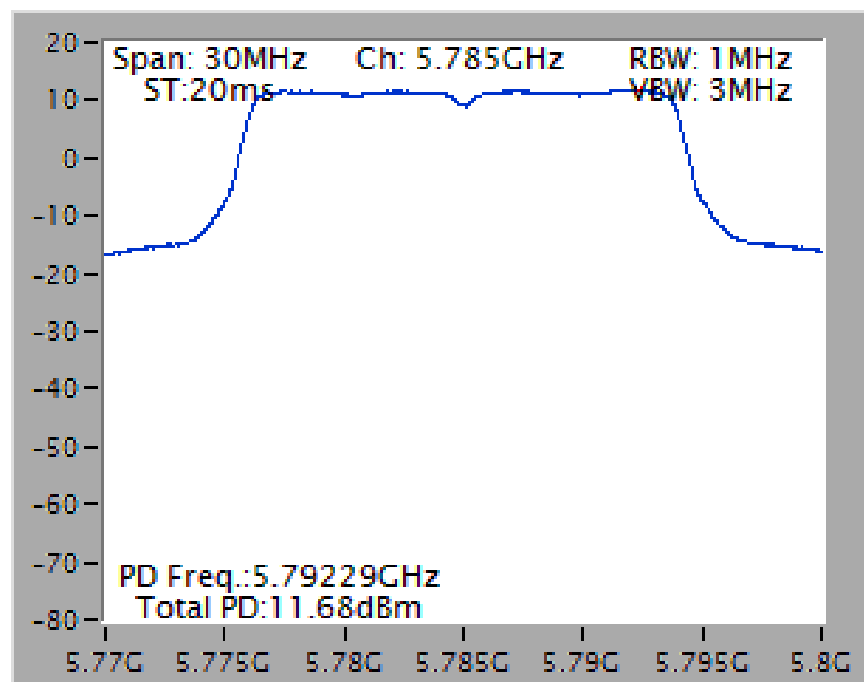




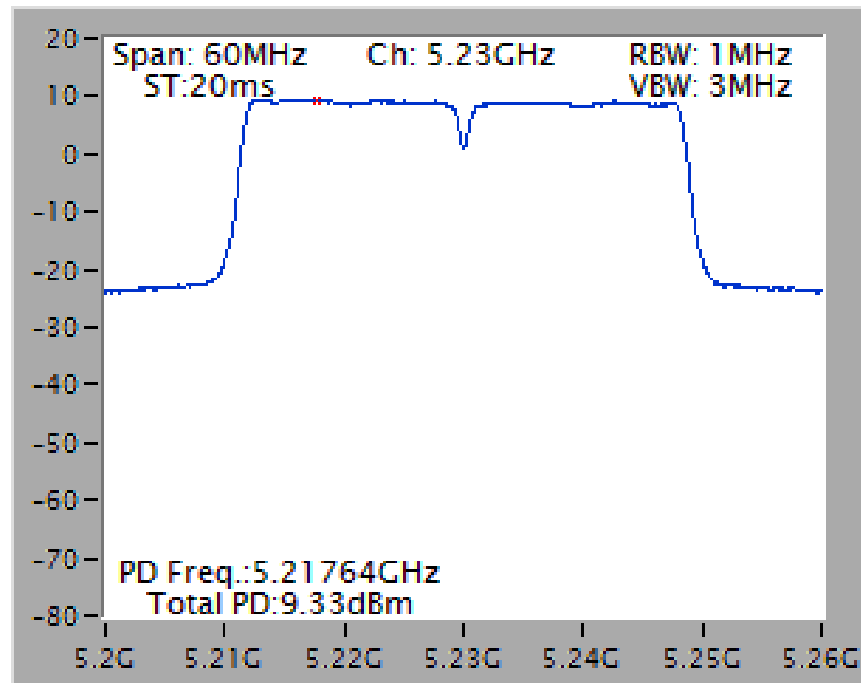
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 /  
5200 MHz



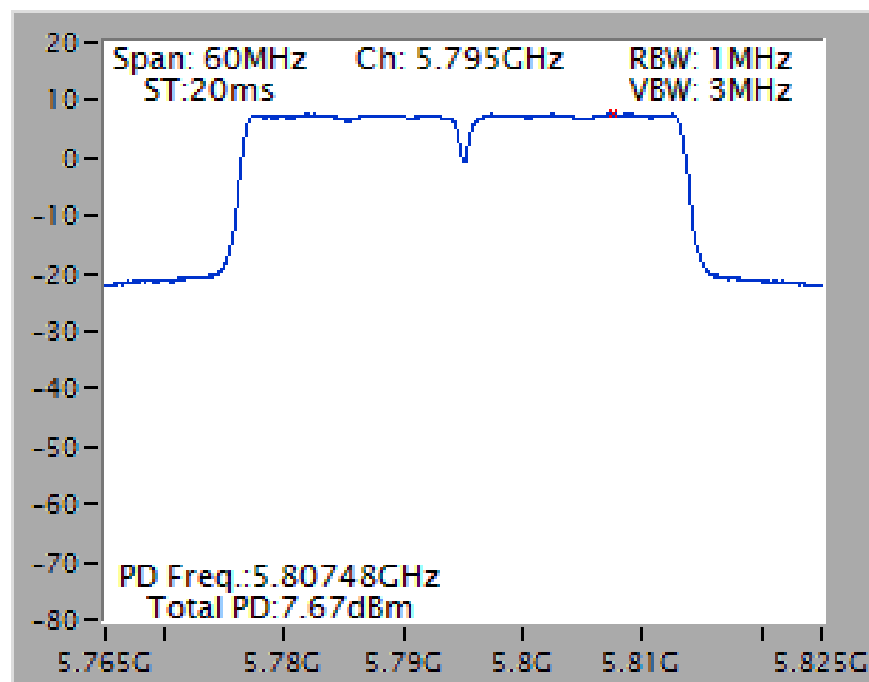
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 /  
5785 MHz



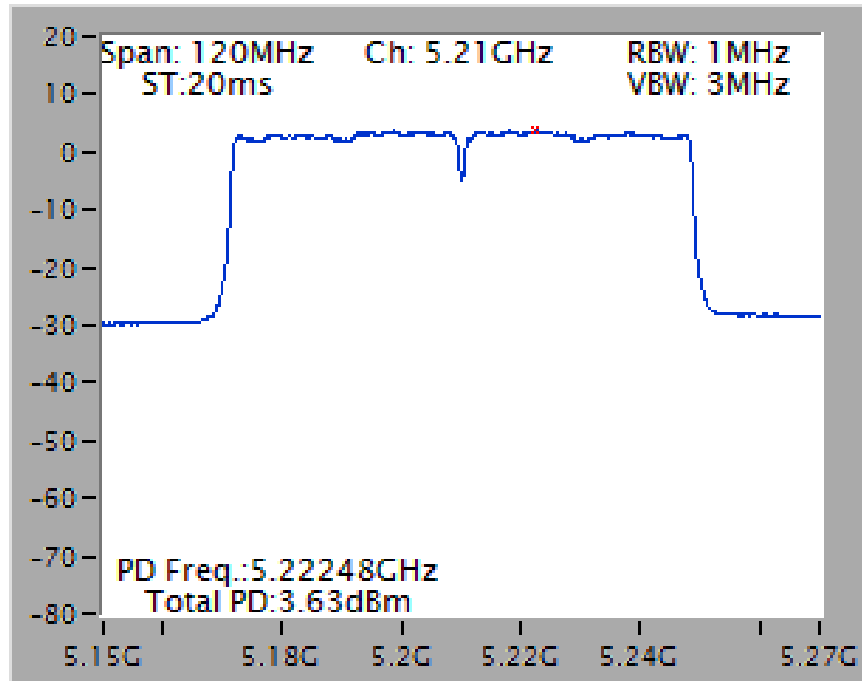
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 /  
5230 MHz



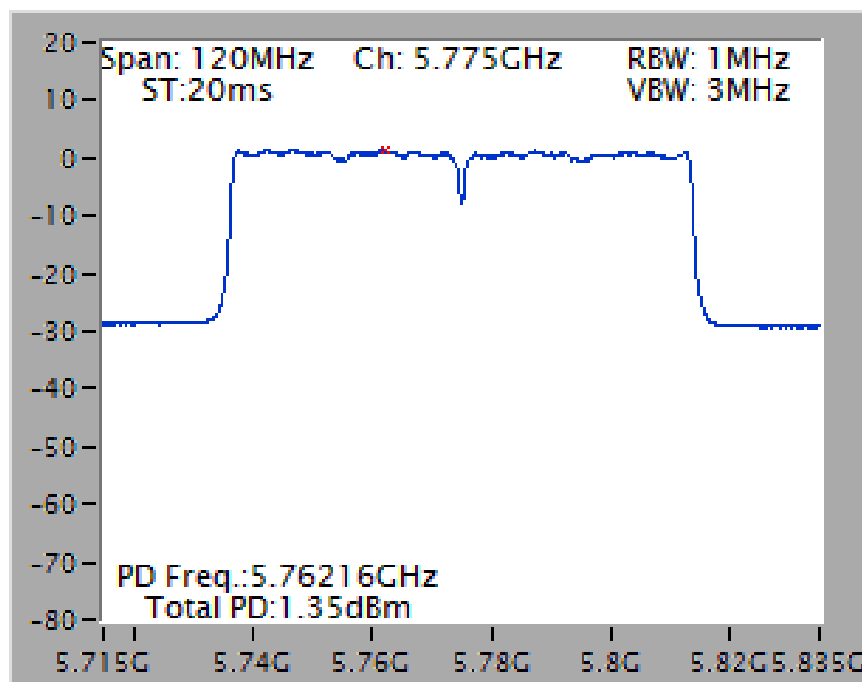
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 /  
5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 /  
5210 MHz

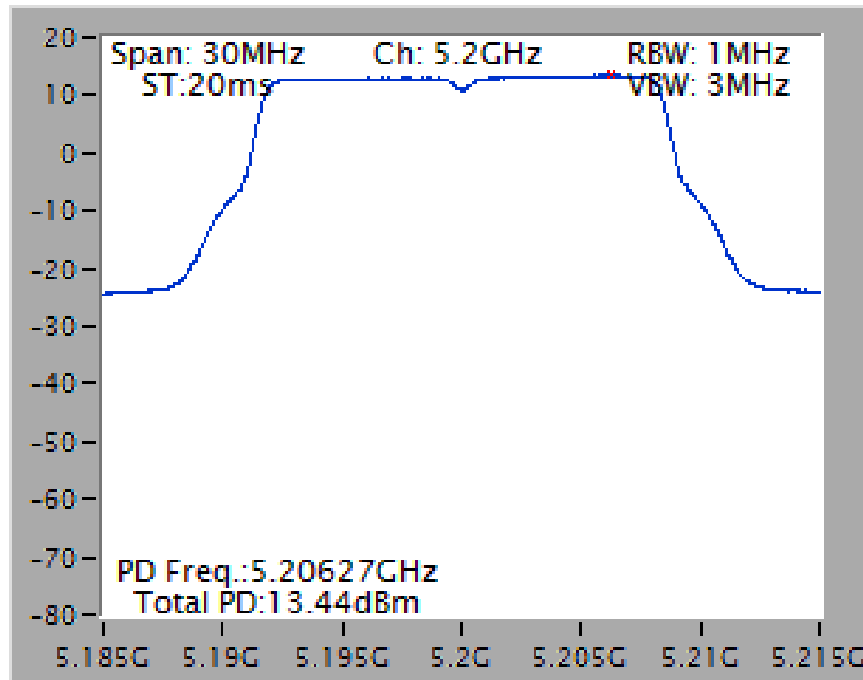


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 /  
5775 MHz

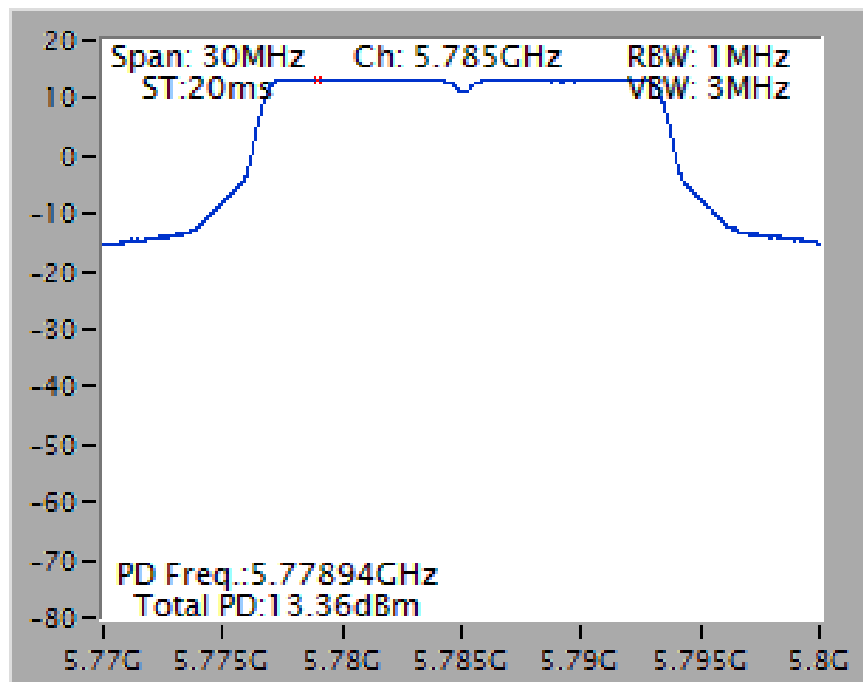


Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)

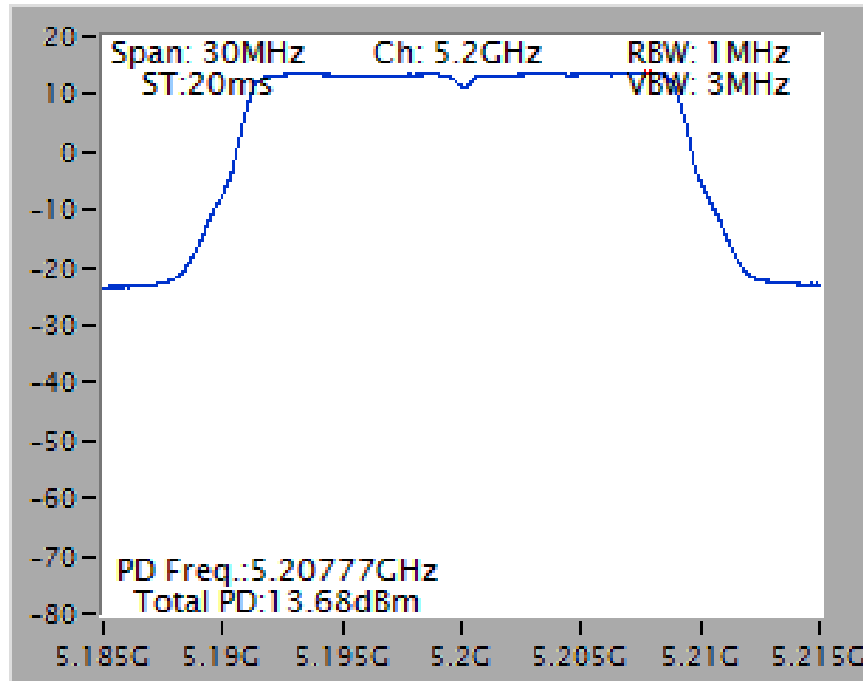
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5200 MHz



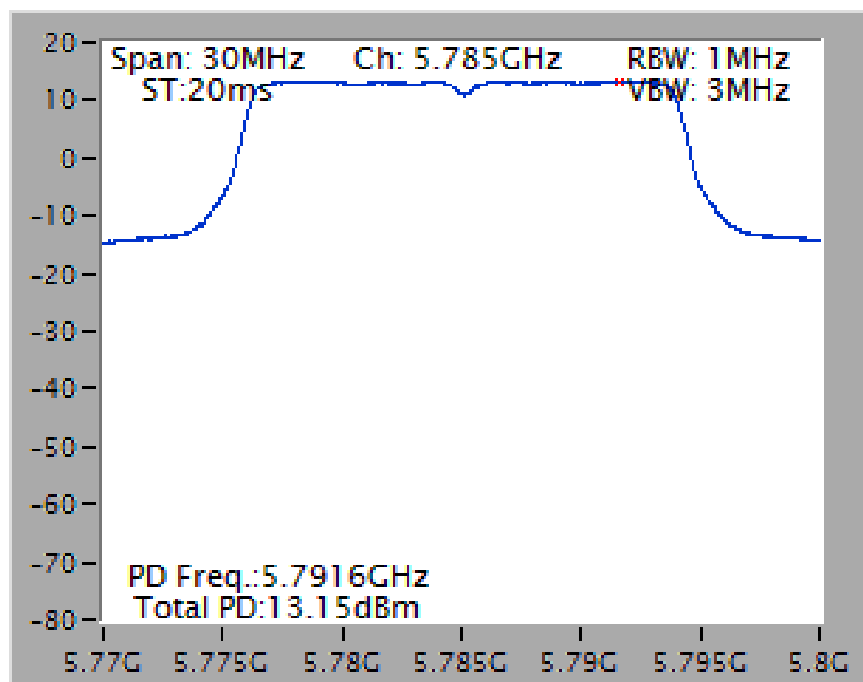
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



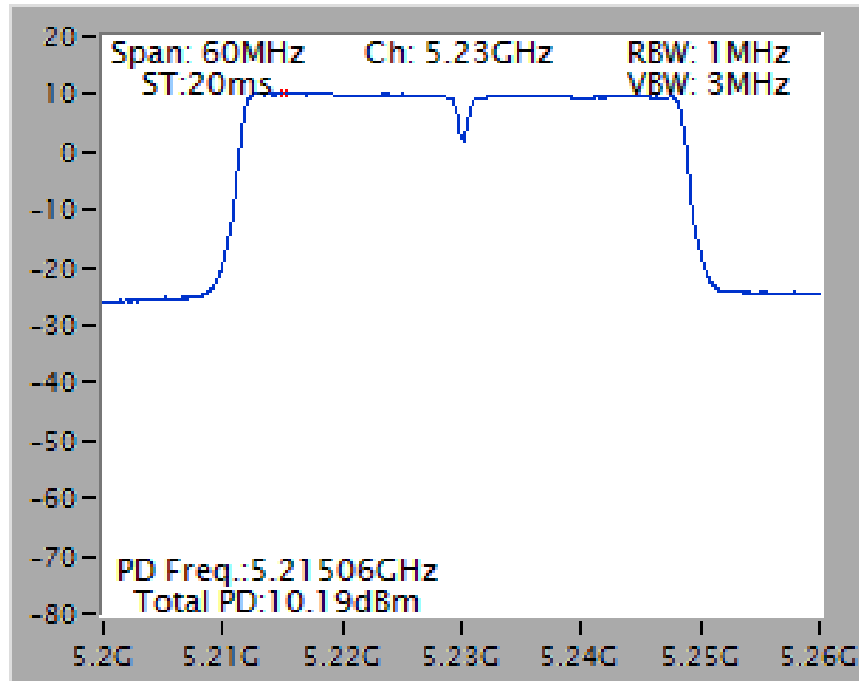
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5200 MHz



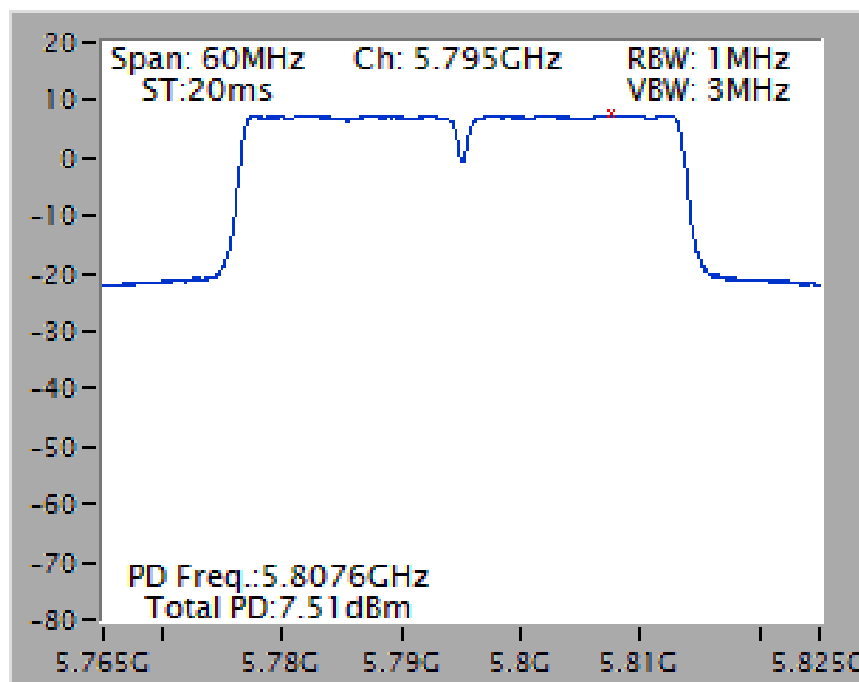
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



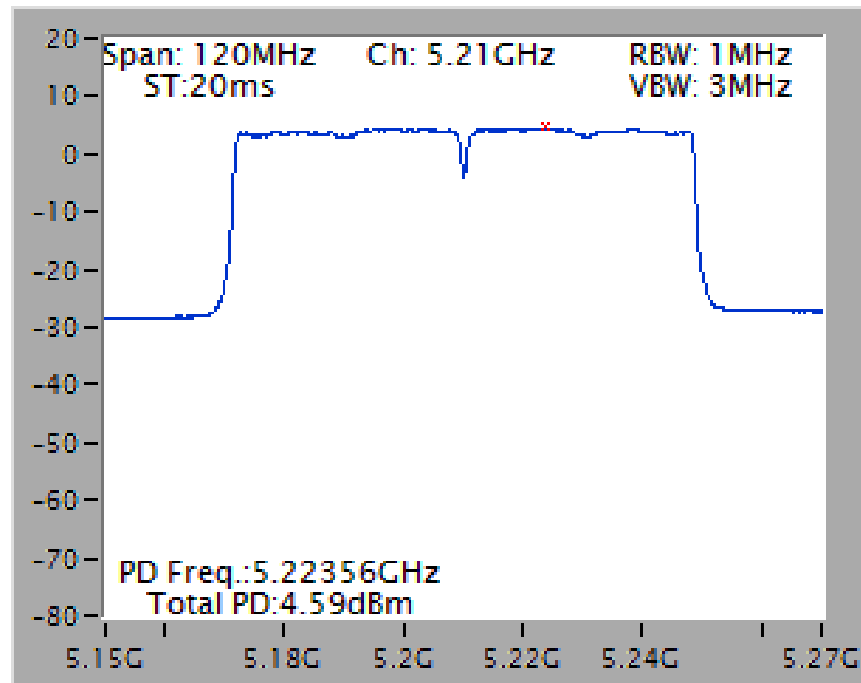
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5230 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz

