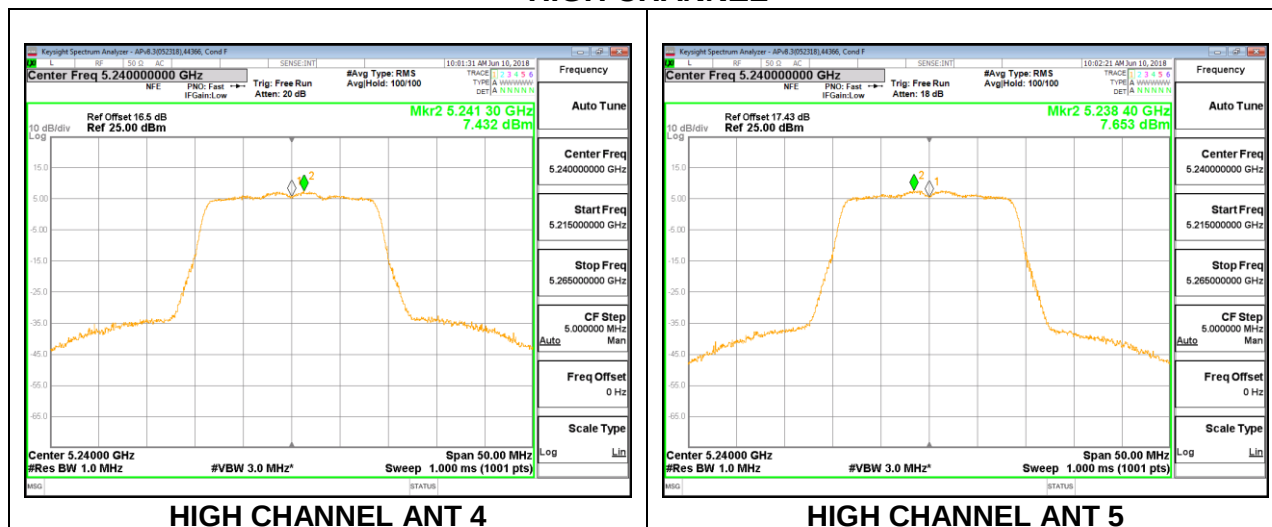
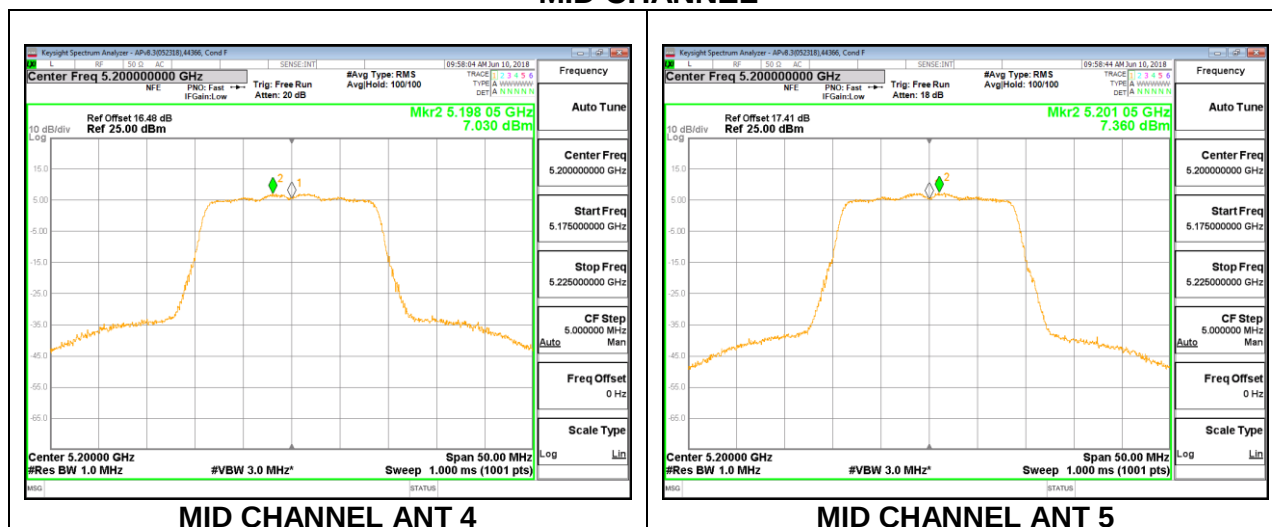
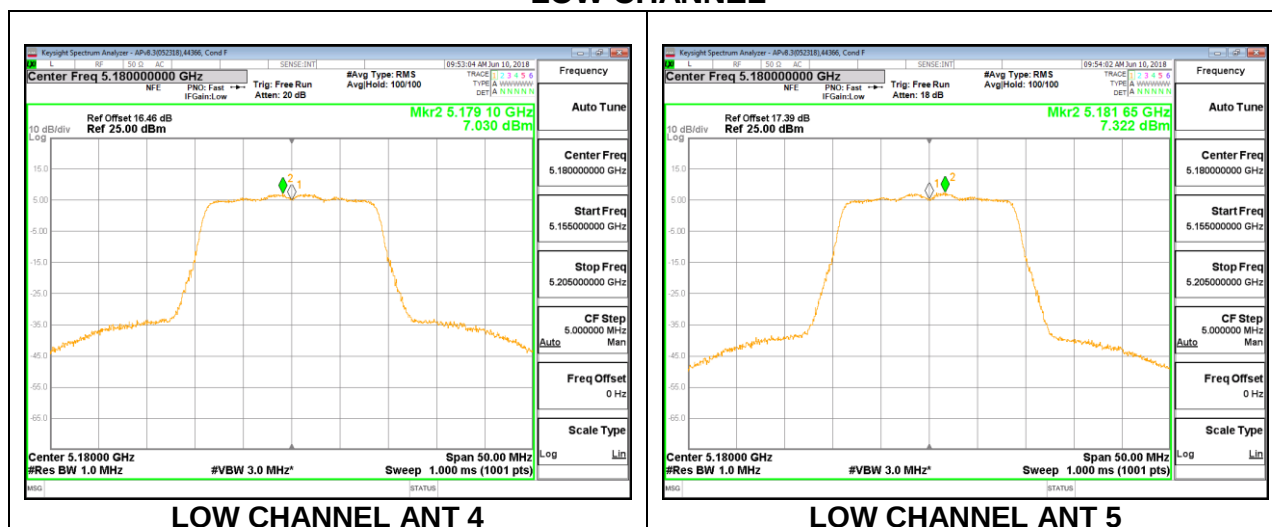




## 8.5.2. 802.11n HT40 MODE IN THE 5.2 GHz BAND

### 1TX Antenna 4 (FCC) MOBILE

#### Antenna Gain and Limits

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/<br>1MHz) |
|---------|--------------------|-------------------------------------------|-------------------------|--------------------------------|
| Low     | 5190               | -5.30                                     | 24.00                   | 11.00                          |
| High    | 5230               | -5.30                                     | 24.00                   | 11.00                          |

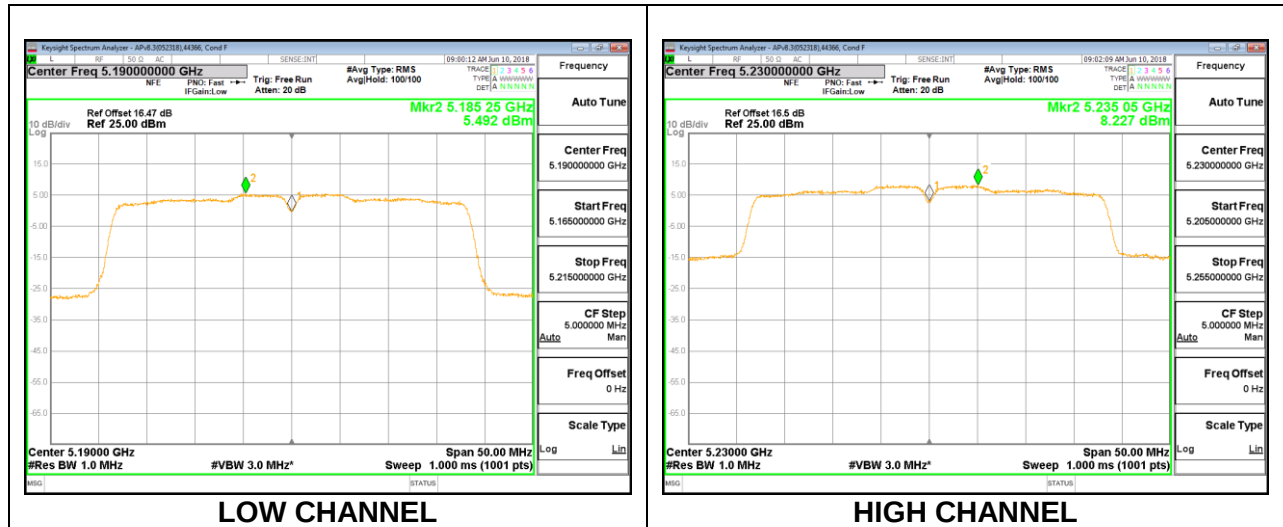
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.09 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

#### Output Power Results

| Channel | Frequency<br>(MHz) | Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Low     | 5190               | 17.89                  | 17.89                             | 24.00                   | -6.11                   |
| High    | 5230               | 19.43                  | 19.43                             | 24.00                   | -4.57                   |

#### PSD Results

| Channel | Frequency<br>(MHz) | Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/<br>1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|---------------------------|--------------------------------------|--------------------------------|-----------------------|
| Low     | 5190               | 5.49                      | 5.58                                 | 11.00                          | -5.42                 |
| High    | 5230               | 8.23                      | 8.32                                 | 11.00                          | -2.68                 |



**1TX Antenna 5 (FCC) MOBILE****Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/<br>1MHz) |
|---------|--------------------|-------------------------------------------|-------------------------|--------------------------------|
| Low     | 5190               | -5.00                                     | 24.00                   | 11.00                          |
| High    | 5230               | -5.00                                     | 24.00                   | 11.00                          |

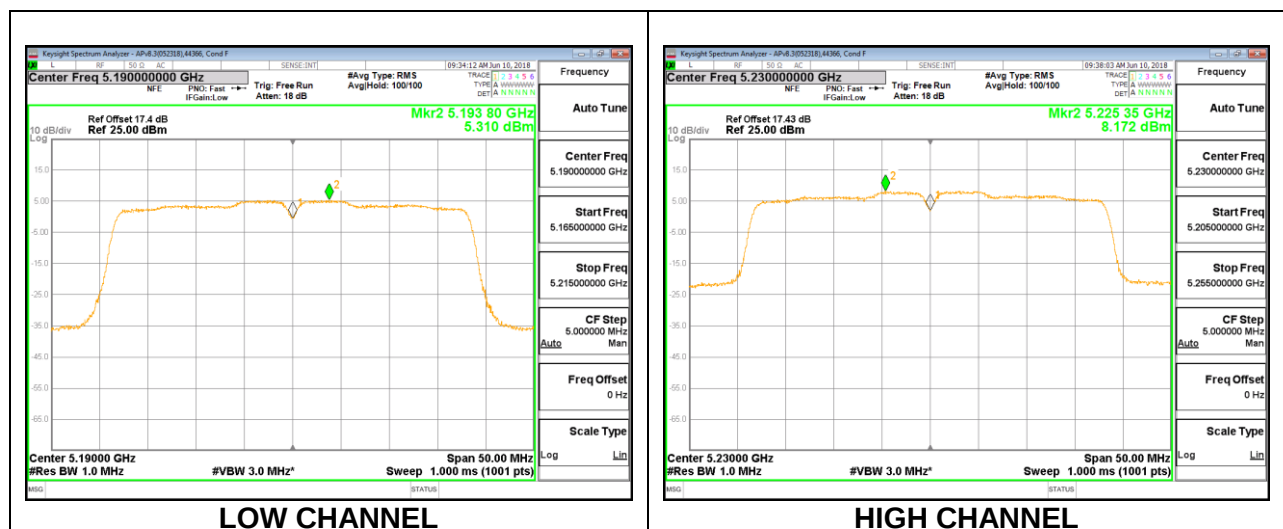
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.09 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Low     | 5190               | 17.83                  | 17.83                             | 24.00                   | -6.17                   |
| High    | 5230               | 19.42                  | 19.42                             | 24.00                   | -4.58                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/<br>1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|---------------------------|--------------------------------------|--------------------------------|-----------------------|
| Low     | 5190               | 5.31                      | 5.40                                 | 11.00                          | -5.60                 |
| High    | 5230               | 8.17                      | 8.26                                 | 11.00                          | -2.74                 |



**2TX Antenna 4 + Antenna 5 CDD MODE (FCC) MOBILE****Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/<br>1MHz) |
|---------|--------------------|-------------------------------------------|-----------------------------------------|-------------------------|--------------------------------|
| Low     | 5190               | -5.15                                     | -2.14                                   | 24.00                   | 11.00                          |
| High    | 5230               | -5.15                                     | -2.14                                   | 24.00                   | 11.00                          |

|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.09 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

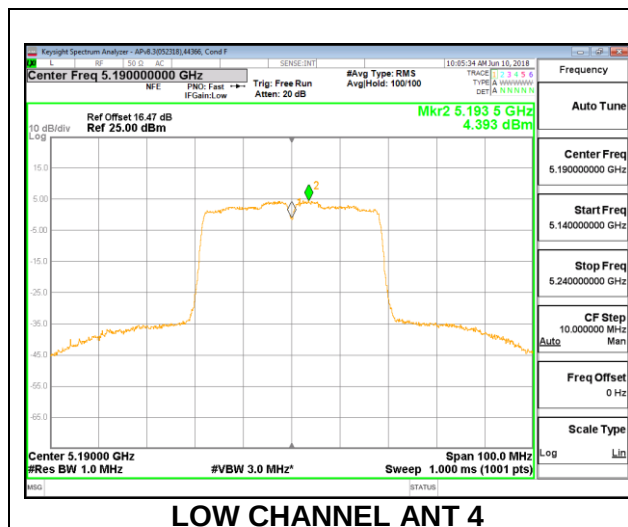
**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 4<br>Meas<br>Power<br>(dBm) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low     | 5190               | 16.92                               | 16.78                               | 19.95                             | 24.00                   | -4.05                   |
| High    | 5230               | 19.33                               | 19.43                               | 22.48                             | 24.00                   | -1.52                   |

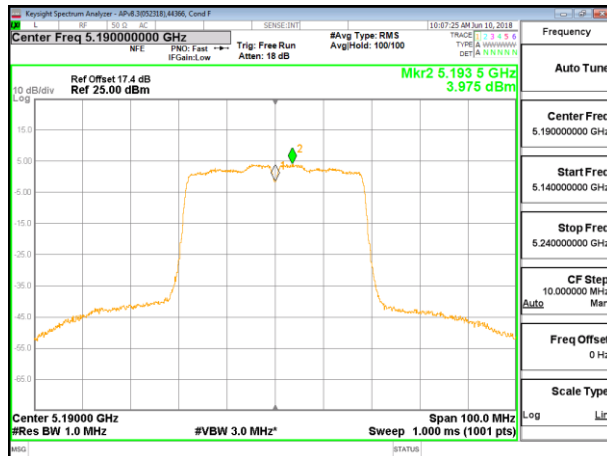
**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 4<br>Meas<br>PSD<br>(dBm/<br>1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/<br>1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/<br>1MHz) | PSD<br>Limit<br>(dBm/<br>1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|--------------------------------------------|--------------------------------------------|------------------------------------------|--------------------------------|-----------------------|
| Low     | 5190               | 4.39                                       | 3.98                                       | 7.29                                     | 11.00                          | -3.71                 |
| High    | 5230               | 6.45                                       | 6.27                                       | 9.46                                     | 11.00                          | -1.54                 |

## LOW CHANNEL

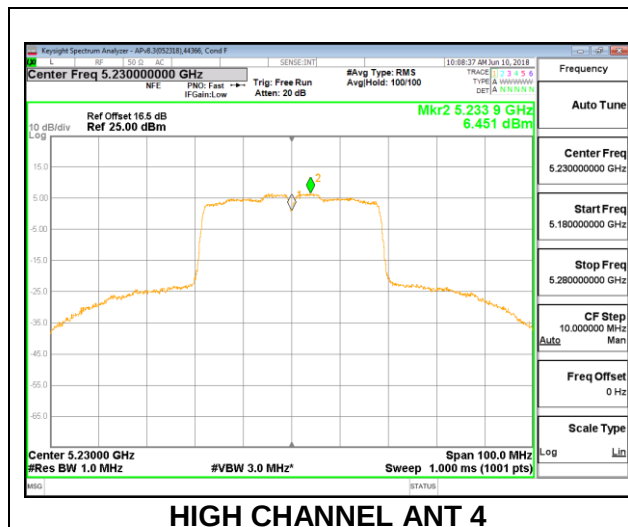


LOW CHANNEL ANT 4

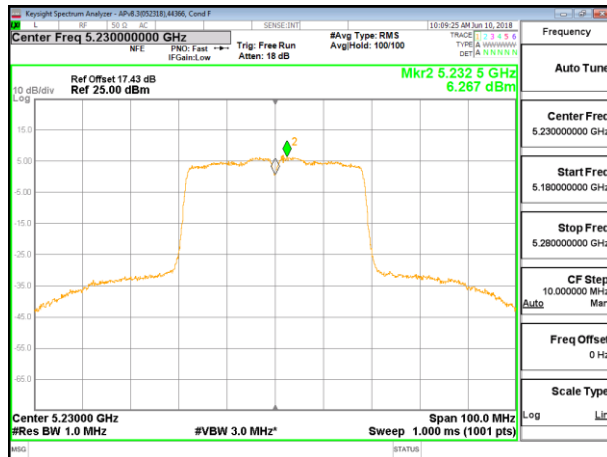


LOW CHANNEL ANT 5

## HIGH CHANNEL



HIGH CHANNEL ANT 4



HIGH CHANNEL ANT 5

### 8.5.3. 802.11ac VHT80 MODE IN THE 5.2 GHz BAND

#### 1TX Antenna 4 (FCC) MOBILE

##### Antenna Gain and Limits

| Channel | Frequency | Directional Gain | Power Limit | PSD Limit  |
|---------|-----------|------------------|-------------|------------|
|         | (MHz)     | (dBi)            | (dBm)       | (dBm/1MHz) |
| Mid     | 5210      | -5.30            | 24.00       | 11.00      |

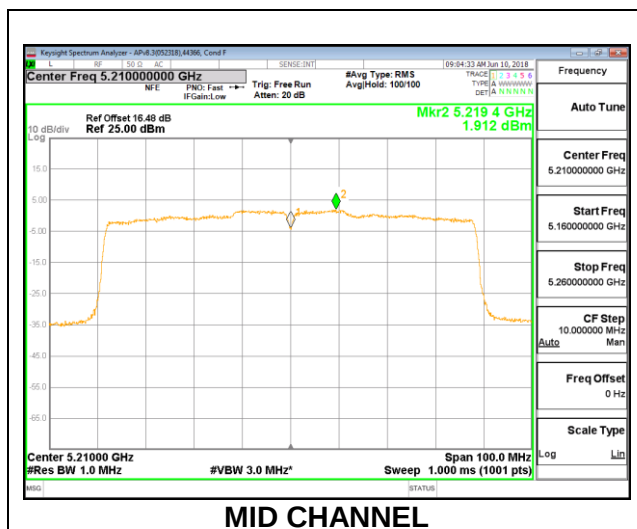
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.19 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

##### Output Power Results

| Channel | Frequency | Meas Power | Total Corr'd Power | Power Limit | Power Margin |
|---------|-----------|------------|--------------------|-------------|--------------|
|         | (MHz)     | (dBm)      | (dBm)              | (dBm)       | (dB)         |
| Mid     | 5210      | 17.34      | 17.34              | 24.00       | -6.66        |

##### PSD Results

| Channel | Frequency | Meas PSD   | Total Corr'd PSD | PSD Limit  | PSD Margin |
|---------|-----------|------------|------------------|------------|------------|
|         | (MHz)     | (dBm/1MHz) | (dBm/1MHz)       | (dBm/1MHz) | (dB)       |
| Mid     | 5210      | 1.91       | 2.10             | 11.00      | -8.90      |



**1TX Antenna 5 (FCC) MOBILE****Antenna Gain and Limits**

| Channel | Frequency | Directional Gain | Power Limit | PSD Limit  |
|---------|-----------|------------------|-------------|------------|
|         | (MHz)     | (dBi)            | (dBm)       | (dBm/1MHz) |
| Mid     | 5210      | -5.00            | 24.00       | 11.00      |

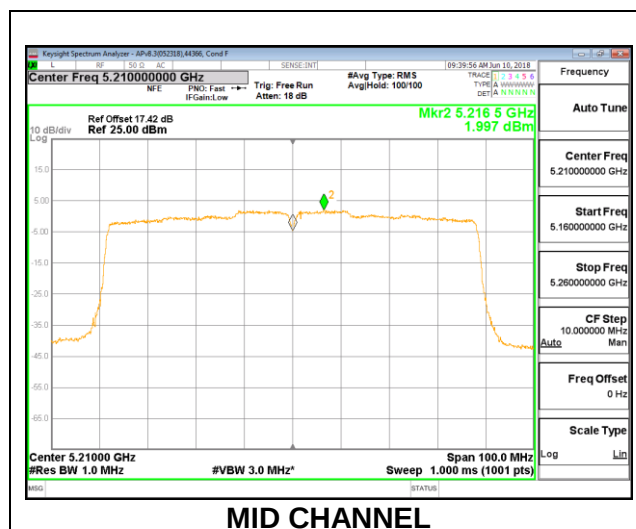
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.19 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency | Meas Power | Total Corr'd Power | Power Limit | Power Margin |
|---------|-----------|------------|--------------------|-------------|--------------|
|         | (MHz)     | (dBm)      | (dBm)              | (dBm)       | (dB)         |
| Mid     | 5210      | 17.43      | 17.43              | 24.00       | -6.57        |

**PSD Results**

| Channel | Frequency | Meas PSD   | Total Corr'd PSD | PSD Limit  | PSD Margin |
|---------|-----------|------------|------------------|------------|------------|
|         | (MHz)     | (dBm/1MHz) | (dBm/1MHz)       | (dBm/1MHz) | (dB)       |
| Mid     | 5210      | 2.00       | 2.19             | 11.00      | -8.81      |



**2TX Antenna 4 + Antenna 5 CDD MODE (FCC) MOBILE****Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/<br>1MHz) |
|---------|--------------------|-------------------------------------------|-----------------------------------------|-------------------------|--------------------------------|
| Mid     | 5210               | -5.15                                     | -2.14                                   | 24.00                   | 11.00                          |

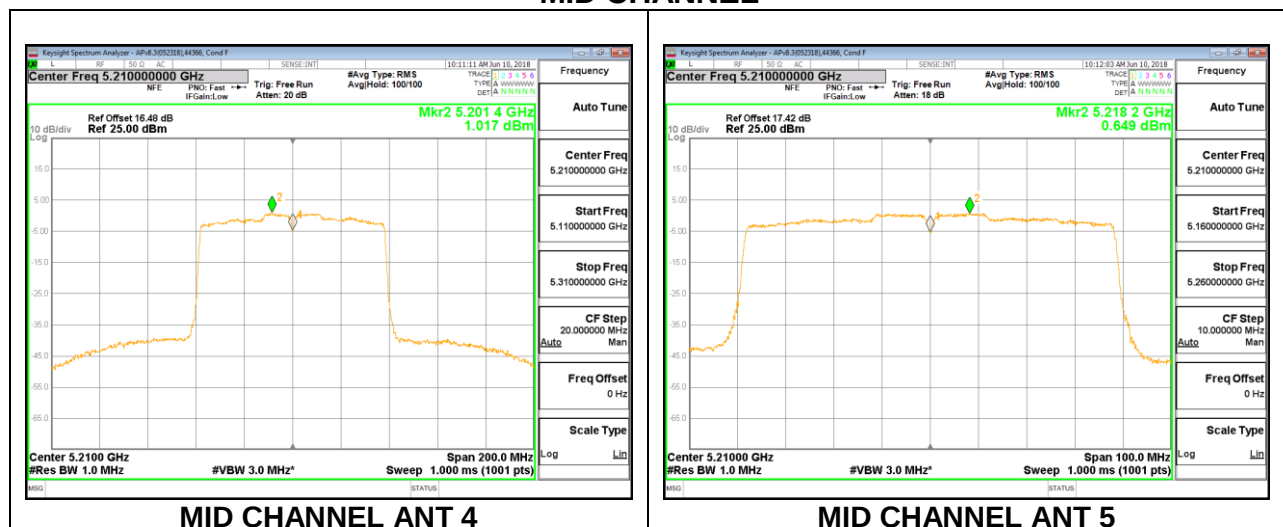
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.19 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 4<br>Meas<br>Power<br>(dBm) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5210               | 16.32                               | 16.35                               | 19.54                             | 24.00                   | -4.46                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 4<br>Meas<br>PSD<br>(dBm/<br>1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/<br>1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/<br>1MHz) | PSD<br>Limit<br>(dBm/<br>1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|--------------------------------------------|--------------------------------------------|------------------------------------------|--------------------------------|-----------------------|
| Mid     | 5210               | 1.02                                       | 0.65                                       | 4.04                                     | 11.00                          | -6.96                 |

**MID CHANNEL**

### 8.5.4. 802.11n HT20 MODE IN THE 5.3 GHz BAND

#### 1TX Antenna 4 (FCC)

##### Bandwidth, Antenna Gain, and Limits

| Channel | Frequency<br>(MHz) | Min<br>26 dB<br>BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-----------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5260               | 22.05                       | -5.00                        | 24.00                   | 11.00                      |
| Mid     | 5300               | 22.10                       | -5.00                        | 24.00                   | 11.00                      |
| High    | 5320               | 21.85                       | -5.00                        | 24.00                   | 11.00                      |

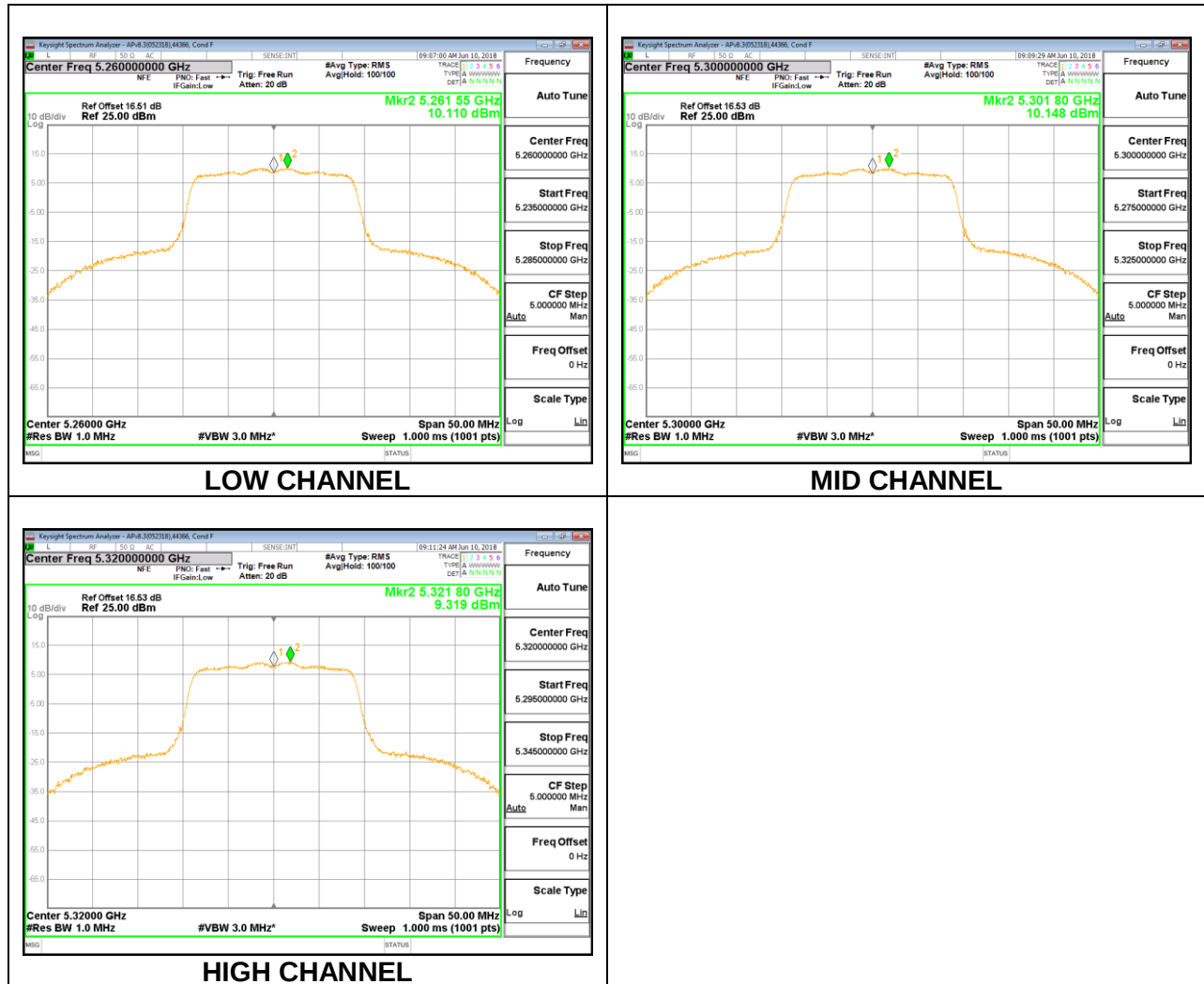
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

##### Output Power Results

| Channel | Frequency<br>(MHz) | Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Low     | 5260               | 20.79                  | 20.79                             | 24.00                   | -3.21                   |
| Mid     | 5300               | 20.82                  | 20.82                             | 24.00                   | -3.18                   |
| High    | 5320               | 18.92                  | 18.92                             | 24.00                   | -5.08                   |

##### PSD Results

| Channel | Frequency<br>(MHz) | Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|---------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5260               | 10.11                     | 10.11                                | 11.00                      | -0.89                 |
| Mid     | 5300               | 10.15                     | 10.15                                | 11.00                      | -0.85                 |
| High    | 5320               | 9.32                      | 9.32                                 | 11.00                      | -1.68                 |



**1TX Antenna 5 (FCC)****Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26 dB<br>BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-----------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5260               | 21.90                       | -5.20                        | 24.00                   | 11.00                      |
| Mid     | 5300               | 21.90                       | -5.20                        | 24.00                   | 11.00                      |
| High    | 5320               | 21.95                       | -5.20                        | 24.00                   | 11.00                      |

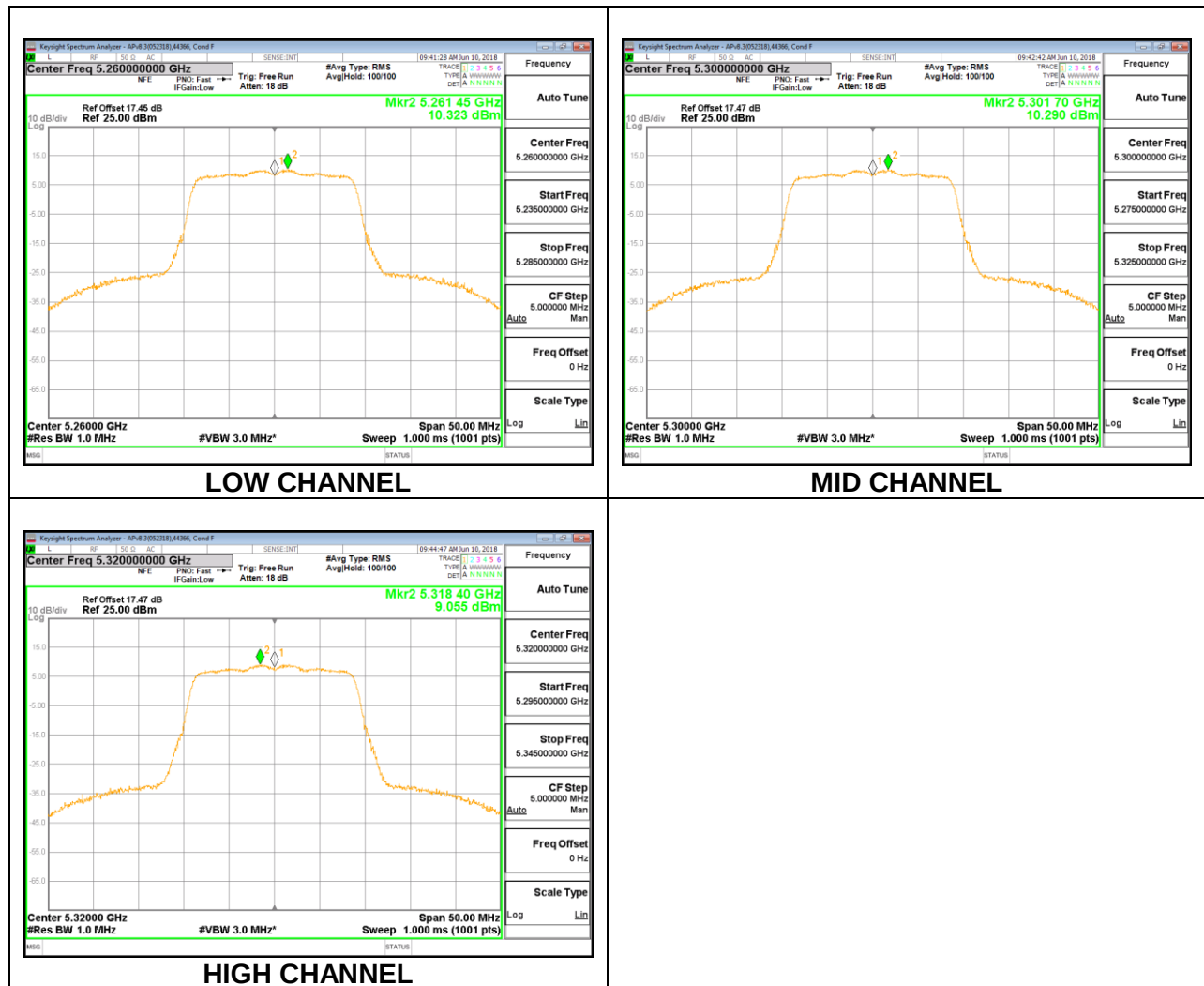
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Low     | 5260               | 20.91                  | 20.91                             | 24.00                   | -3.09                   |
| Mid     | 5300               | 20.88                  | 20.88                             | 24.00                   | -3.12                   |
| High    | 5320               | 18.95                  | 18.95                             | 24.00                   | -5.05                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|---------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5260               | 10.32                     | 10.32                                | 11.00                      | -0.68                 |
| Mid     | 5300               | 10.29                     | 10.29                                | 11.00                      | -0.71                 |
| High    | 5320               | 9.06                      | 9.06                                 | 11.00                      | -1.95                 |



**2TX Antenna 4 + Antenna 5 CDD MODE (FCC)****Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26 dB<br>BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-----------------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Low     | 5260               | 21.95                       | -5.10                                     | -2.09                                   | 24.00                   | 11.00                      |
| Mid     | 5300               | 21.70                       | -5.10                                     | -2.09                                   | 24.00                   | 11.00                      |
| High    | 5320               | 21.75                       | -5.10                                     | -2.09                                   | 24.00                   | 11.00                      |

|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

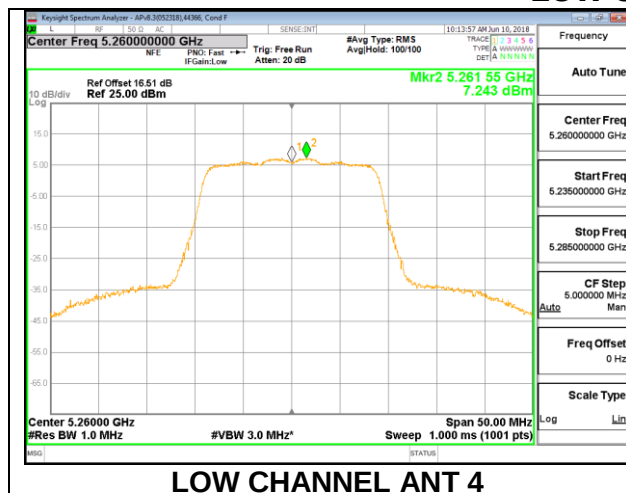
**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 4<br>Meas<br>Power<br>(dBm) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low     | 5260               | 17.93                               | 17.88                               | 20.92                             | 24.00                   | -3.08                   |
| Mid     | 5300               | 17.89                               | 17.94                               | 20.93                             | 24.00                   | -3.07                   |
| High    | 5320               | 17.92                               | 17.79                               | 20.87                             | 24.00                   | -3.13                   |

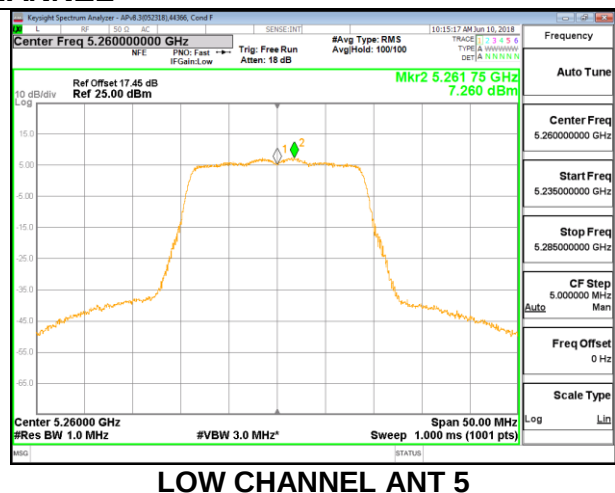
**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 4<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5260               | 7.24                                   | 7.26                                   | 10.26                                | 11.00                      | -0.74                 |
| Mid     | 5300               | 7.06                                   | 6.00                                   | 9.57                                 | 11.00                      | -1.43                 |
| High    | 5320               | 7.04                                   | 7.19                                   | 10.13                                | 11.00                      | -0.87                 |

### LOW CHANNEL

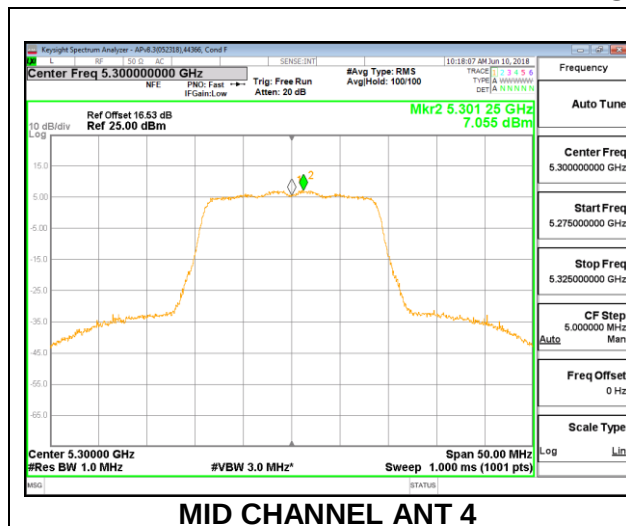


LOW CHANNEL ANT 4

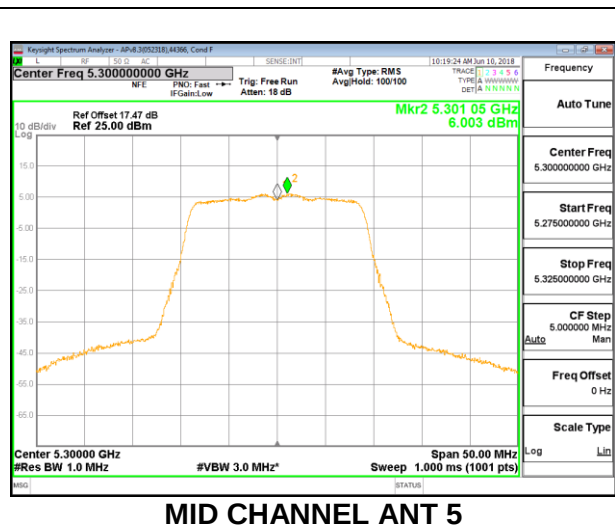


LOW CHANNEL ANT 5

### MID CHANNEL

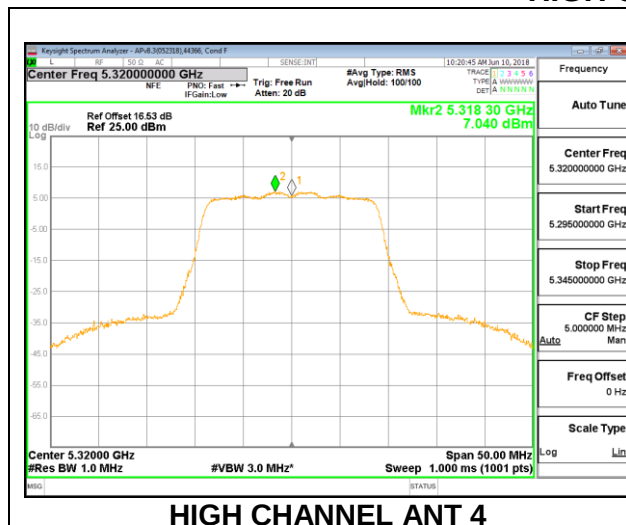


MID CHANNEL ANT 4

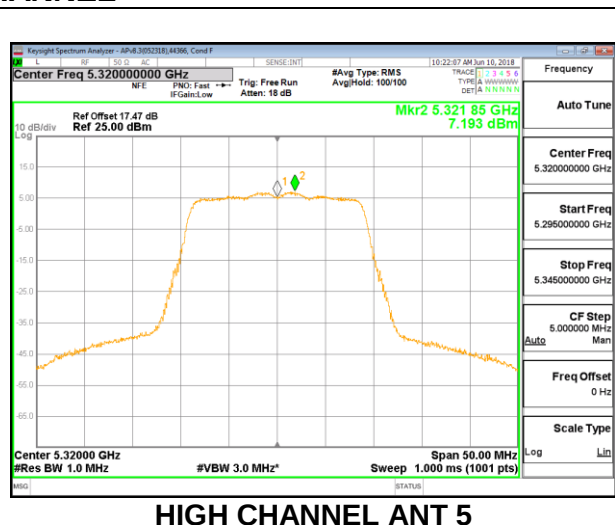


MID CHANNEL ANT 5

### HIGH CHANNEL



HIGH CHANNEL ANT 4



HIGH CHANNEL ANT 5

### 8.5.5. 802.11n HT40 MODE IN THE 5.3 GHz BAND

#### 1TX Antenna 4 (FCC)

##### Bandwidth, Antenna Gain, and Limits

| Channel | Frequency<br>(MHz) | Min<br>26 dB<br>BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-----------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5270               | 40.90                       | -5.00                        | 24.00                   | 11.00                      |
| High    | 5310               | 40.40                       | -5.00                        | 24.00                   | 11.00                      |

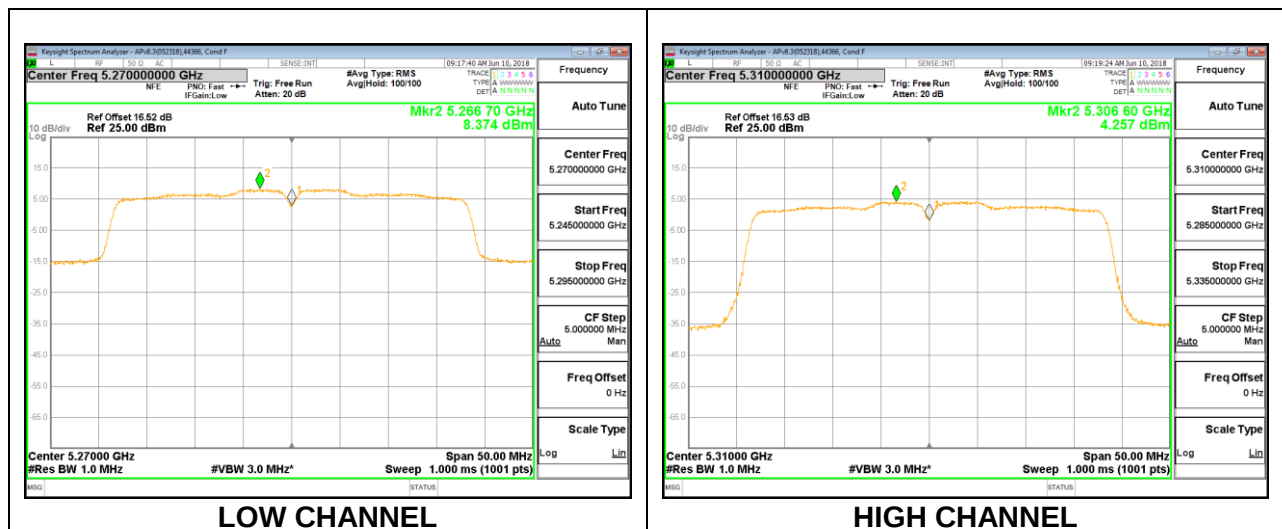
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.09 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

##### Output Power Results

| Channel | Frequency<br>(MHz) | Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Low     | 5270               | 19.34                  | 19.34                             | 24.00                   | -4.66                   |
| High    | 5310               | 17.89                  | 17.89                             | 24.00                   | -6.11                   |

##### PSD Results

| Channel | Frequency<br>(MHz) | Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|---------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5270               | 8.37                      | 8.46                                 | 11.00                      | -2.54                 |
| High    | 5310               | 4.26                      | 4.35                                 | 11.00                      | -6.65                 |



**1TX Antenna 5 (FCC)****Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26 dB<br>BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-----------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5270               | 40.50                       | -5.20                        | 24.00                   | 11.00                      |
| High    | 5310               | 40.50                       | -5.20                        | 24.00                   | 11.00                      |

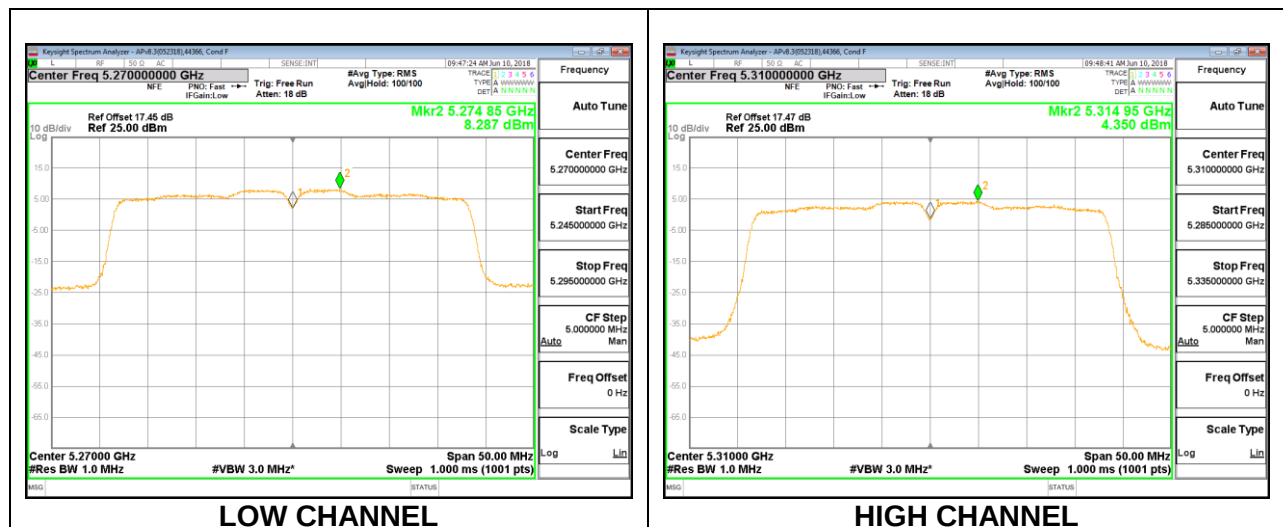
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.09 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Low     | 5270               | 19.43                  | 19.43                             | 24.00                   | -4.57                   |
| High    | 5310               | 17.92                  | 17.92                             | 24.00                   | -6.08                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|---------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5270               | 8.29                      | 8.38                                 | 11.00                      | -2.62                 |
| High    | 5310               | 4.35                      | 4.44                                 | 11.00                      | -6.56                 |



**2TX Antenna 4 + Antenna 5 CDD MODE (FCC)****Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26 dB<br>BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-----------------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Low     | 5270               | 40.30                       | -5.10                                     | -2.09                                   | 24.00                   | 11.00                      |
| High    | 5310               | 40.50                       | -5.10                                     | -2.09                                   | 24.00                   | 11.00                      |

|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.09 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

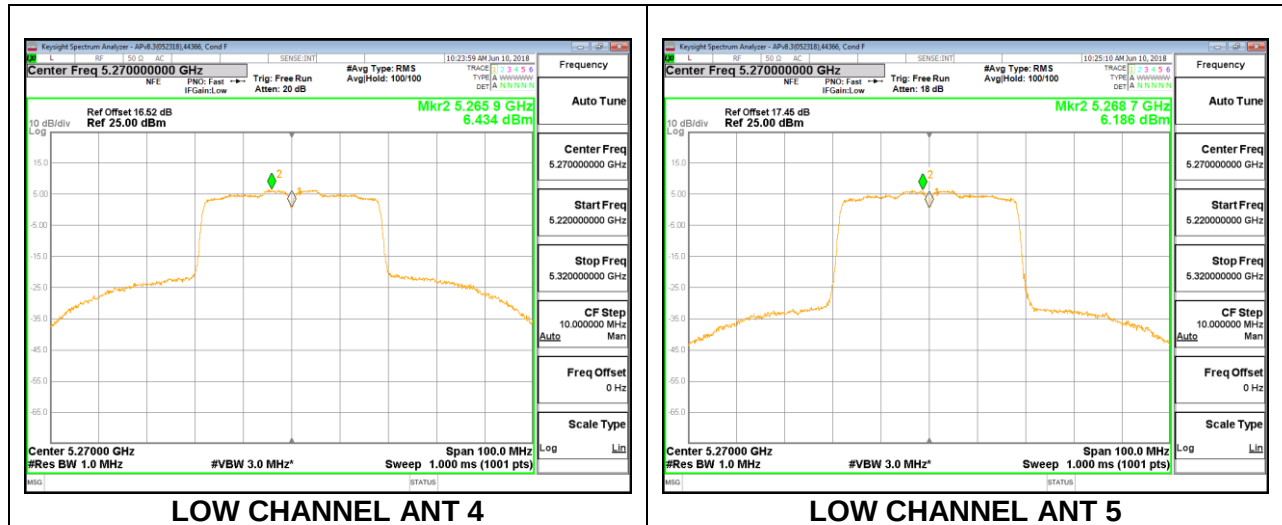
**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 4<br>Meas<br>Power<br>(dBm) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low     | 5270               | 19.44                               | 19.38                               | 22.42                             | 24.00                   | -1.58                   |
| High    | 5310               | 16.89                               | 16.94                               | 19.93                             | 24.00                   | -4.07                   |

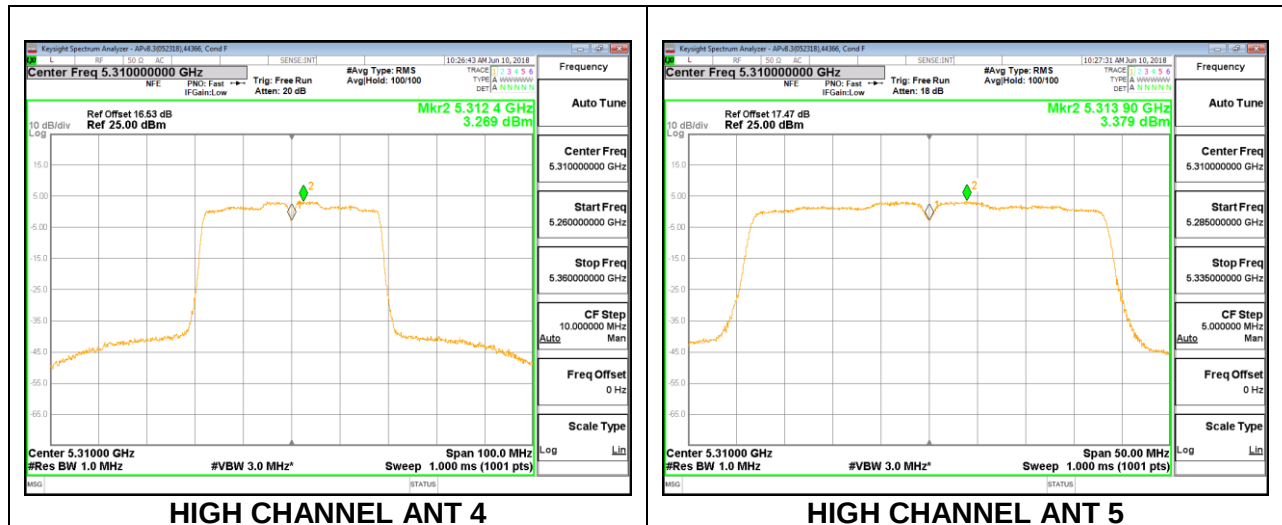
**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 4<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5270               | 6.43                                   | 6.19                                   | 9.41                                 | 11.00                      | -1.59                 |
| High    | 5310               | 3.27                                   | 3.38                                   | 6.42                                 | 11.00                      | -4.58                 |

## LOW CHANNEL



## HIGH CHANNEL



## 8.5.6. 802.11ac VHT80 MODE IN THE 5.3 GHz BAND

### 1TX Antenna 4 (FCC)

#### Bandwidth, Antenna Gain, and Limits

| Channel | Frequency<br>(MHz) | Min<br>26 dB<br>BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-----------------------------|------------------------------|-------------------------|----------------------------|
| Mid     | 5290               | 82.20                       | -5.00                        | 24.00                   | 11.00                      |

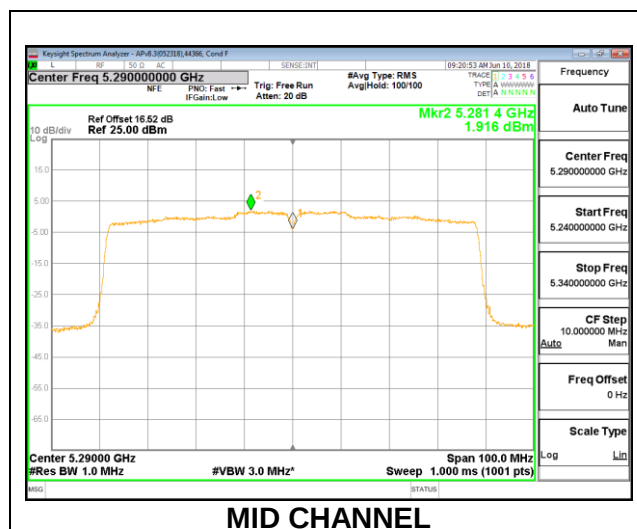
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.19 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

#### Output Power Results

| Channel | Frequency<br>(MHz) | Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5290               | 17.44                  | 17.44                             | 24.00                   | -6.56                   |

#### PSD Results

| Channel | Frequency<br>(MHz) | Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|---------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5290               | 1.92                      | 2.11                                 | 11.00                      | -8.89                 |



## 1TX Antenna 5 (FCC)

## Bandwidth, Antenna Gain, and Limits

| Channel | Frequency<br><br>(MHz) | Min<br>26 dB<br>BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|------------------------|-----------------------------|------------------------------|-------------------------|----------------------------|
| Mid     | 5290                   | 82.20                       | -5.20                        | 24.00                   | 11.00                      |

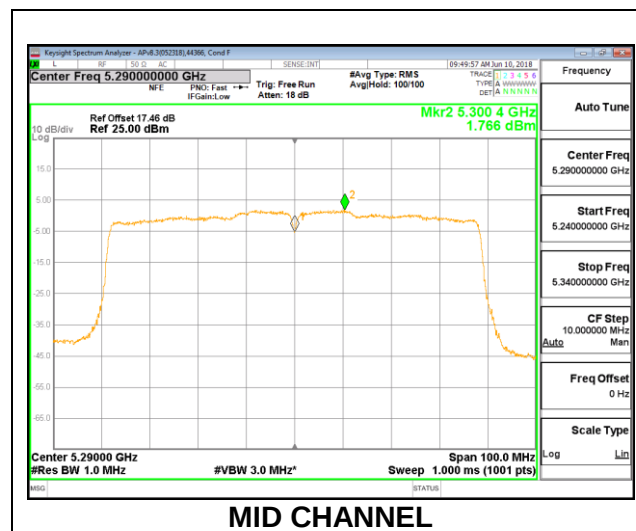
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.19 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

## Output Power Results

| Channel | Frequency | Meas<br>Power | Total<br>Corr'd<br>Power | Power<br>Limit | Power<br>Margin |
|---------|-----------|---------------|--------------------------|----------------|-----------------|
|         | (MHz)     | (dBm)         | (dBm)                    | (dBm)          | (dB)            |
| Mid     | 5290      | 17.46         | 17.46                    | 24.00          | -6.54           |

## PSD Results

| Channel | Frequency | Meas<br>PSD | Total<br>Corr'd<br>PSD | PSD<br>Limit | PSD<br>Margin |
|---------|-----------|-------------|------------------------|--------------|---------------|
|         | (MHz)     | (dBm/1MHz)  | (dBm/1MHz)             | (dBm/1MHz)   | (dB)          |
| Mid     | 5290      | 1.77        | 1.96                   | 11.00        | -9.04         |



**2TX Antenna 4 + Antenna 5 CDD MODE (FCC)****Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26 dB<br>BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-----------------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Mid     | 5290               | 82.20                       | -5.10                                     | -2.09                                   | 24.00                   | 11.00                      |

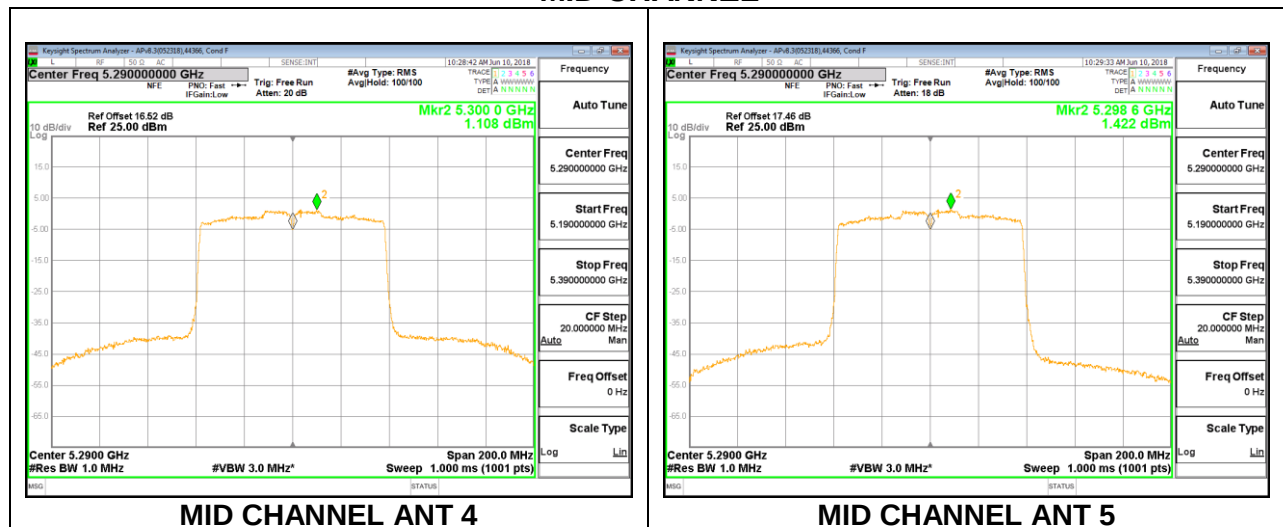
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.19 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 4<br>Meas<br>Power<br>(dBm) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5290               | 16.38                               | 16.44                               | 19.42                             | 24.00                   | -4.58                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 4<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5290               | 1.11                                   | 1.42                                   | 4.47                                 | 11.00                      | -6.53                 |

**MID CHANNEL**

### 8.5.7. 802.11n HT20 MODE IN THE 5.6 GHz BAND

#### 1TX Antenna 4 (FCC)

##### Bandwidth, Antenna Gain, and Limits

| Channel | Frequency<br>(MHz) | Min<br>26 dB<br>BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/<br>1MHz) |
|---------|--------------------|-----------------------------|------------------------------|-------------------------|--------------------------------|
| Low     | 5500               | 22.05                       | -3.8                         | 24.00                   | 11.00                          |
| Mid     | 5580               | 22.00                       | -3.8                         | 24.00                   | 11.00                          |
| High    | 5700               | 21.90                       | -3.8                         | 24.00                   | 11.00                          |
| 144     | 5720               | 22.00                       | -3.80                        | 24.00                   | 11.00                          |

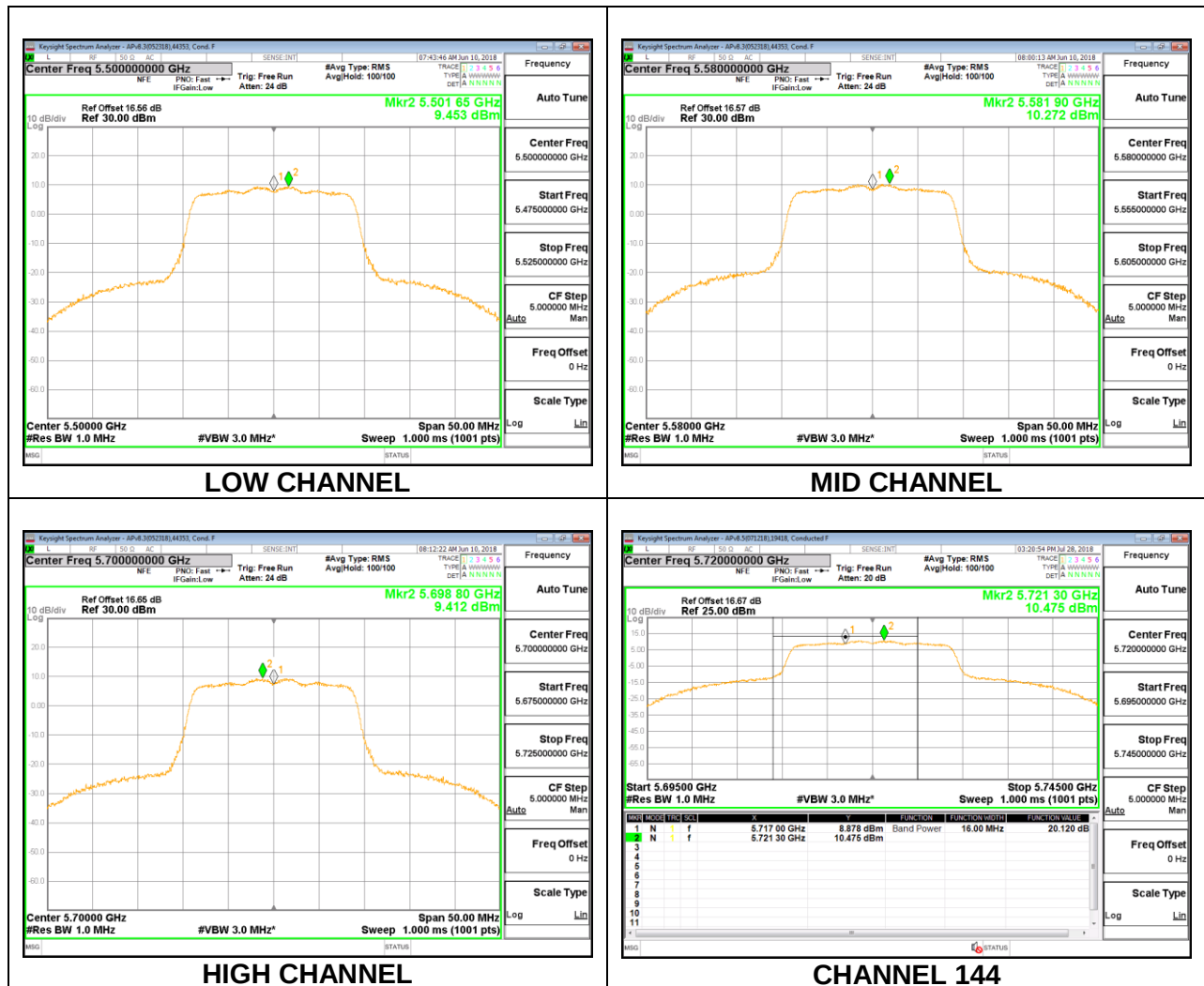
|                    |      |                                                         |
|--------------------|------|---------------------------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd Power (CH 144) & PSD |
|--------------------|------|---------------------------------------------------------|

##### Output Power Results

| Channel | Frequency<br>(MHz) | Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Low     | 5500               | 18.93                  | 18.93                             | 24.00                   | -5.07                   |
| Mid     | 5580               | 20.84                  | 20.84                             | 24.00                   | -3.16                   |
| High    | 5700               | 18.91                  | 18.91                             | 24.00                   | -5.09                   |
| 144     | 5720               | 20.12                  | 20.12                             | 24.00                   | -3.88                   |

##### PSD Results

| Channel | Frequency<br>(MHz) | Meas<br>PSD<br>(dBm/<br>1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/<br>1MHz) | PSD<br>Limit<br>(dBm/<br>1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------|------------------------------------------|--------------------------------|-----------------------|
| Low     | 5500               | 9.45                          | 9.45                                     | 11.00                          | -1.55                 |
| Mid     | 5580               | 10.27                         | 10.27                                    | 11.00                          | -0.73                 |
| High    | 5700               | 9.41                          | 9.41                                     | 11.00                          | -1.59                 |
| 144     | 5720               | 10.48                         | 10.48                                    | 11.00                          | -0.53                 |



**1TX Antenna 5 (FCC)****Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26 dB<br>BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/<br>1MHz) |
|---------|--------------------|-----------------------------|------------------------------|-------------------------|--------------------------------|
| Low     | 5500               | 22.00                       | -3.9                         | 24.00                   | 11.00                          |
| Mid     | 5580               | 22.05                       | -3.9                         | 24.00                   | 11.00                          |
| High    | 5700               | 21.95                       | -3.9                         | 24.00                   | 11.00                          |
| 144     | 5720               | 22.00                       | -3.90                        | 24.00                   | 11.00                          |

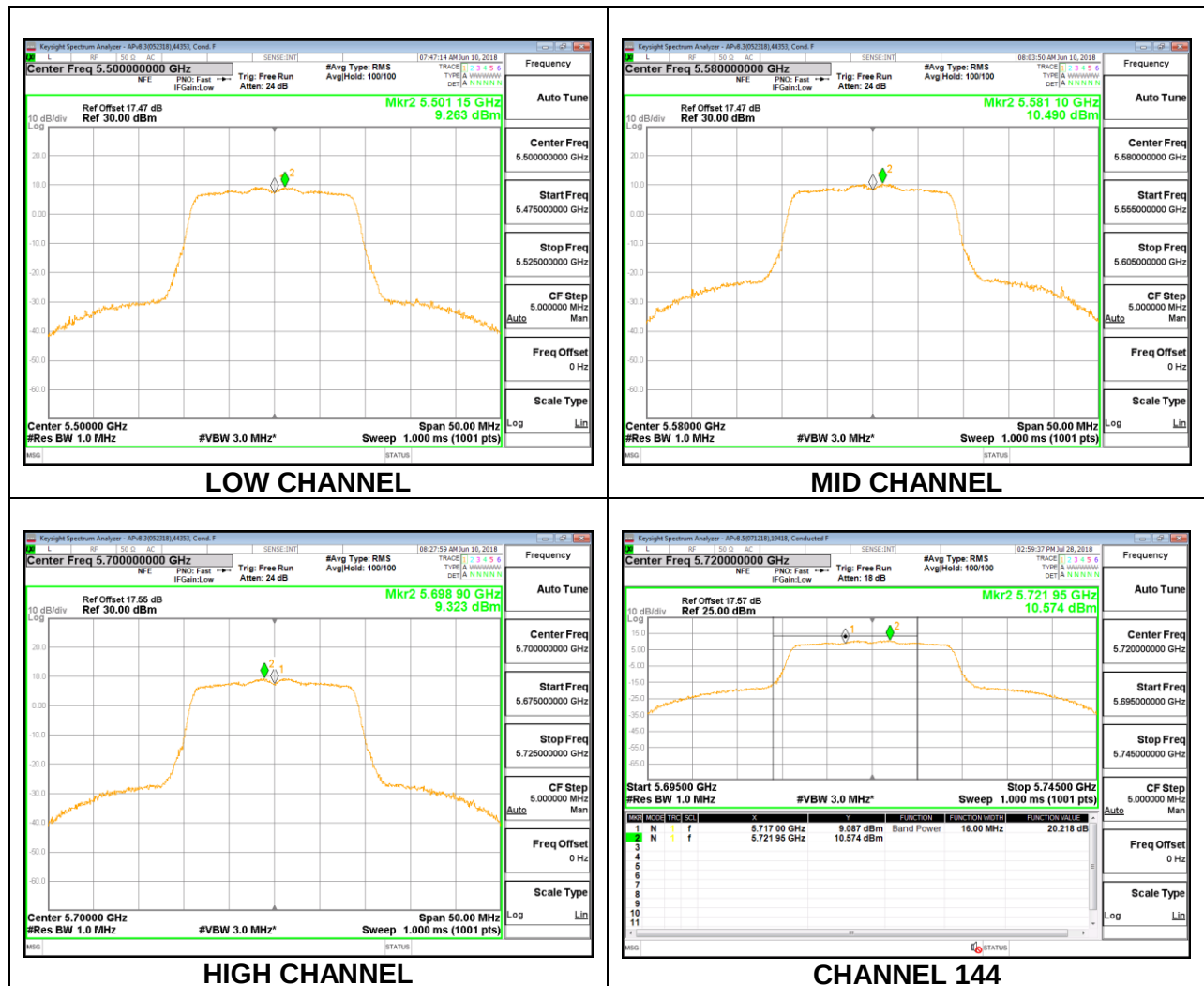
|                           |      |                                                                    |
|---------------------------|------|--------------------------------------------------------------------|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd Power (CH 144) &amp; PSD</b> |
|---------------------------|------|--------------------------------------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Low     | 5500               | 18.90                  | 18.90                             | 24.00                   | -5.10                   |
| Mid     | 5580               | 20.88                  | 20.88                             | 24.00                   | -3.12                   |
| High    | 5700               | 18.88                  | 18.88                             | 24.00                   | -5.12                   |
| 144     | 5720               | 20.22                  | 20.22                             | 24.00                   | -3.78                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Meas<br>PSD<br>(dBm/<br>1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/<br>1MHz) | PSD<br>Limit<br>(dBm/<br>1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------|------------------------------------------|--------------------------------|-----------------------|
| Low     | 5500               | 9.26                          | 9.26                                     | 11.00                          | -1.74                 |
| Mid     | 5580               | 10.49                         | 10.49                                    | 11.00                          | -0.51                 |
| High    | 5700               | 9.32                          | 9.32                                     | 11.00                          | -1.68                 |
| 144     | 5720               | 10.57                         | 10.57                                    | 11.00                          | -0.43                 |



**2TX Antenna 4 + Antenna 5 CDD MODE (FCC)****Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26 dB<br>BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/<br>1MHz) |
|---------|--------------------|-----------------------------|-------------------------------------------|-----------------------------------------|-------------------------|--------------------------------|
| Low     | 5500               | 22.00                       | -3.85                                     | -0.84                                   | 24.00                   | 11.00                          |
| Mid     | 5580               | 22.00                       | -3.85                                     | -0.84                                   | 24.00                   | 11.00                          |
| High    | 5700               | 21.85                       | -3.85                                     | -0.84                                   | 24.00                   | 11.00                          |
| 144     | 5720               | 21.80                       | -3.85                                     | -0.84                                   | 24.00                   | 11.00                          |

|                           |      |                                                                    |
|---------------------------|------|--------------------------------------------------------------------|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd Power (CH 144) &amp; PSD</b> |
|---------------------------|------|--------------------------------------------------------------------|

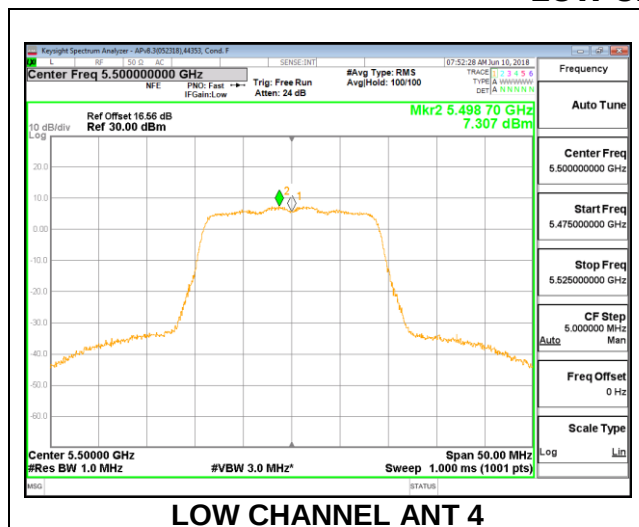
**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 4<br>Meas<br>Power<br>(dBm) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low     | 5500               | 17.88                               | 17.92                               | 20.91                             | 24.00                   | -3.09                   |
| Mid     | 5580               | 17.89                               | 17.94                               | 20.93                             | 24.00                   | -3.07                   |
| High    | 5700               | 17.92                               | 17.83                               | 20.89                             | 24.00                   | -3.11                   |
| 144     | 5720               | 17.22                               | 16.93                               | 20.09                             | 24.00                   | -3.91                   |

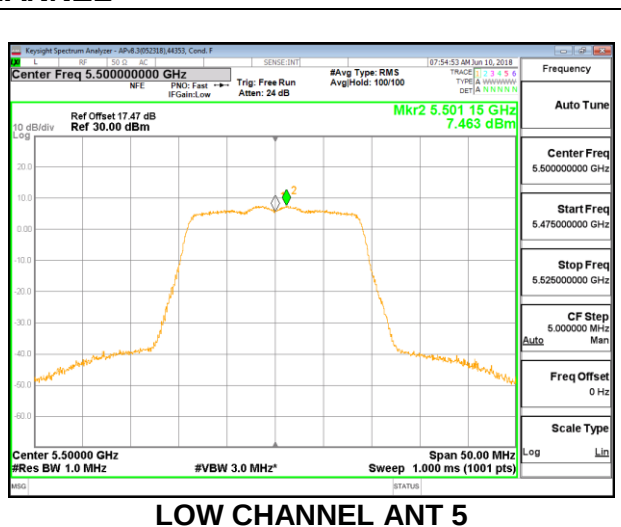
**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 4<br>Meas<br>PSD<br>(dBm/<br>1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/<br>1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/<br>1MHz) | PSD<br>Limit<br>(dBm/<br>1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|--------------------------------------------|--------------------------------------------|------------------------------------------|--------------------------------|-----------------------|
| Low     | 5500               | 7.31                                       | 7.46                                       | 10.40                                    | 11.00                          | -0.60                 |
| Mid     | 5580               | 7.34                                       | 7.29                                       | 10.33                                    | 11.00                          | -0.67                 |
| High    | 5700               | 7.48                                       | 7.44                                       | 10.47                                    | 11.00                          | -0.53                 |
| 144     | 5720               | 7.64                                       | 7.17                                       | 10.42                                    | 11.00                          | -0.58                 |

## LOW CHANNEL

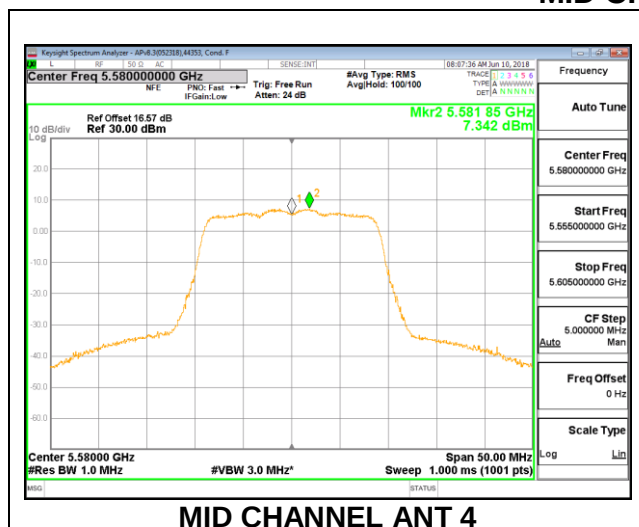


LOW CHANNEL ANT 4

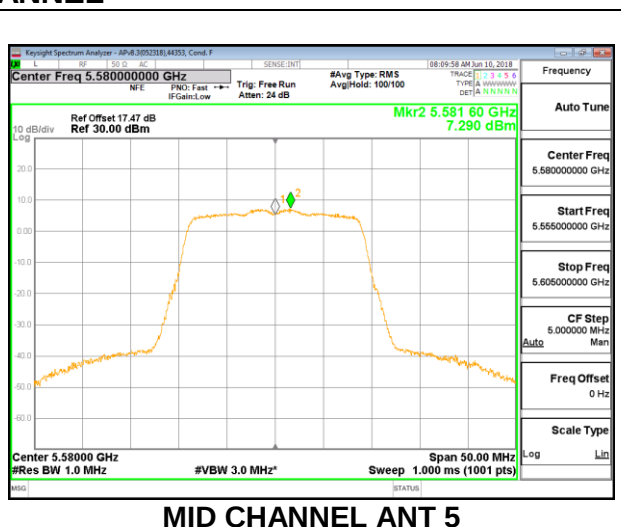


LOW CHANNEL ANT 5

## MID CHANNEL

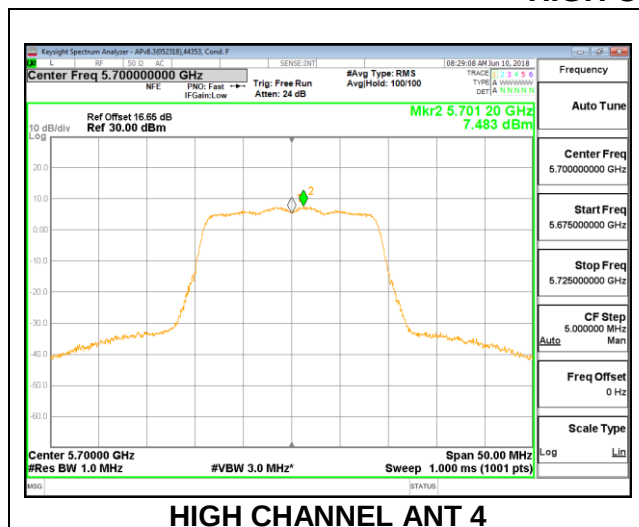


MID CHANNEL ANT 4

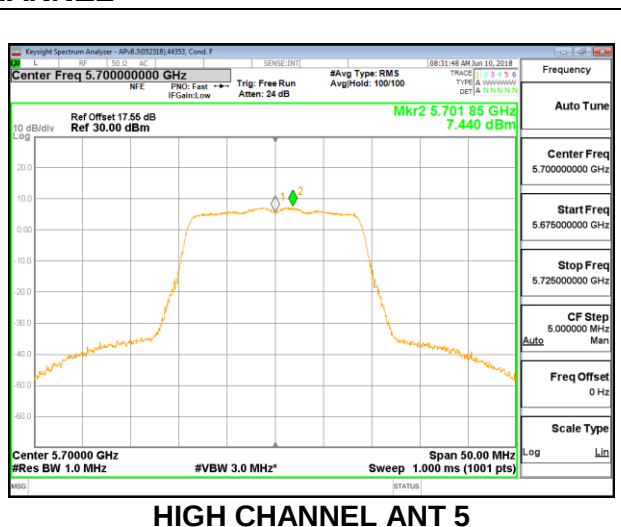


MID CHANNEL ANT 5

## HIGH CHANNEL

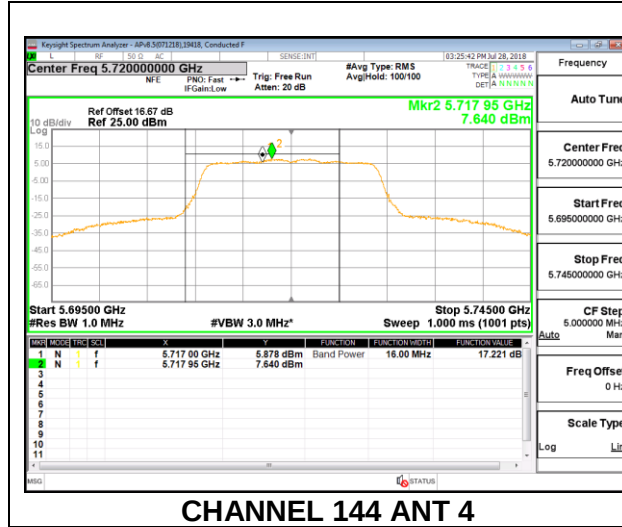


HIGH CHANNEL ANT 4



HIGH CHANNEL ANT 5

## CHANNEL 144



CHANNEL 144 ANT 4



CHANNEL 144 ANT 5

### 8.5.8. 802.11n HT40 MODE IN THE 5.6 GHz BAND

#### 1TX Antenna 4 (FCC)

##### Bandwidth, Antenna Gain, and Limits

| Channel | Frequency<br>(MHz) | Min<br>26 dB<br>BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/<br>1MHz) |
|---------|--------------------|-----------------------------|------------------------------|-------------------------|--------------------------------|
| Low     | 5510               | 40.70                       | -3.80                        | 24.00                   | 11.00                          |
| Mid     | 5550               | 40.60                       | -3.80                        | 24.00                   | 11.00                          |
| High    | 5670               | 40.70                       | -3.80                        | 24.00                   | 11.00                          |
| 142     | 5710               | 40.50                       | -3.80                        | 24.00                   | 11.00                          |

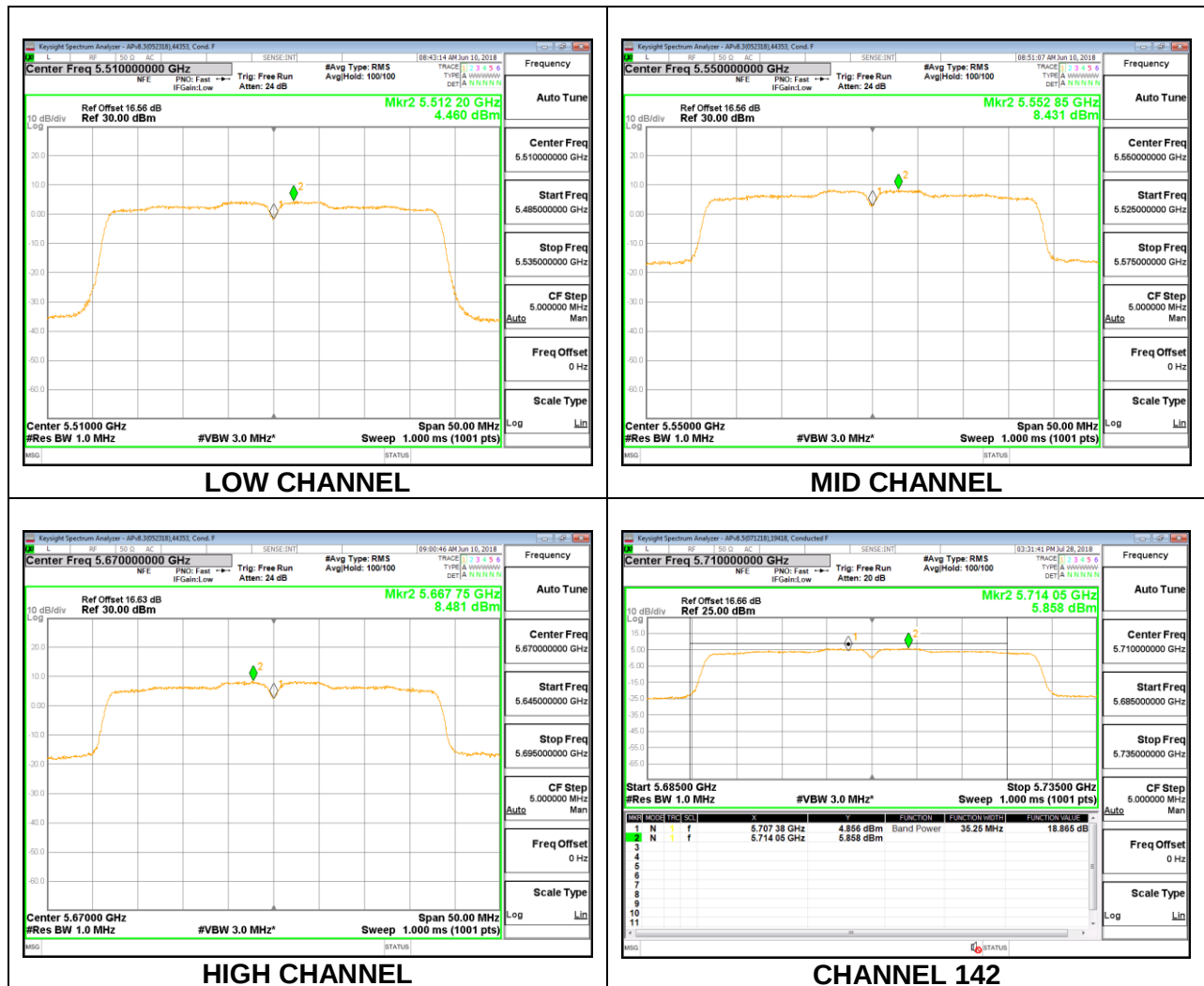
|                    |      |                                                         |
|--------------------|------|---------------------------------------------------------|
| Duty Cycle CF (dB) | 0.09 | Included in Calculations of Corr'd Power (CH 142) & PSD |
|--------------------|------|---------------------------------------------------------|

##### Output Power Results

| Channel | Frequency<br>(MHz) | Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Low     | 5510               | 17.88                  | 17.88                             | 24.00                   | -6.12                   |
| Mid     | 5550               | 19.32                  | 19.32                             | 24.00                   | -4.68                   |
| High    | 5670               | 19.42                  | 19.42                             | 24.00                   | -4.58                   |
| 142     | 5710               | 18.87                  | 18.96                             | 24.00                   | -5.05                   |

##### PSD Results

| Channel | Frequency<br>(MHz) | Meas<br>PSD<br>(dBm/<br>1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/<br>1MHz) | PSD<br>Limit<br>(dBm/<br>1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------|------------------------------------------|--------------------------------|-----------------------|
| Low     | 5510               | 4.46                          | 4.55                                     | 11.00                          | -6.45                 |
| Mid     | 5550               | 8.43                          | 8.52                                     | 11.00                          | -2.48                 |
| High    | 5670               | 8.48                          | 8.57                                     | 11.00                          | -2.43                 |
| 142     | 5710               | 5.86                          | 5.95                                     | 11.00                          | -5.05                 |



**1TX Antenna 5 (FCC)****Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26 dB<br>BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/<br>1MHz) |
|---------|--------------------|-----------------------------|------------------------------|-------------------------|--------------------------------|
| Low     | 5510               | 40.30                       | -3.90                        | 24.00                   | 11.00                          |
| Mid     | 5550               | 40.70                       | -3.90                        | 24.00                   | 11.00                          |
| High    | 5670               | 40.60                       | -3.90                        | 24.00                   | 11.00                          |
| 142     | 5710               | 40.50                       | -3.90                        | 24.00                   | 11.00                          |

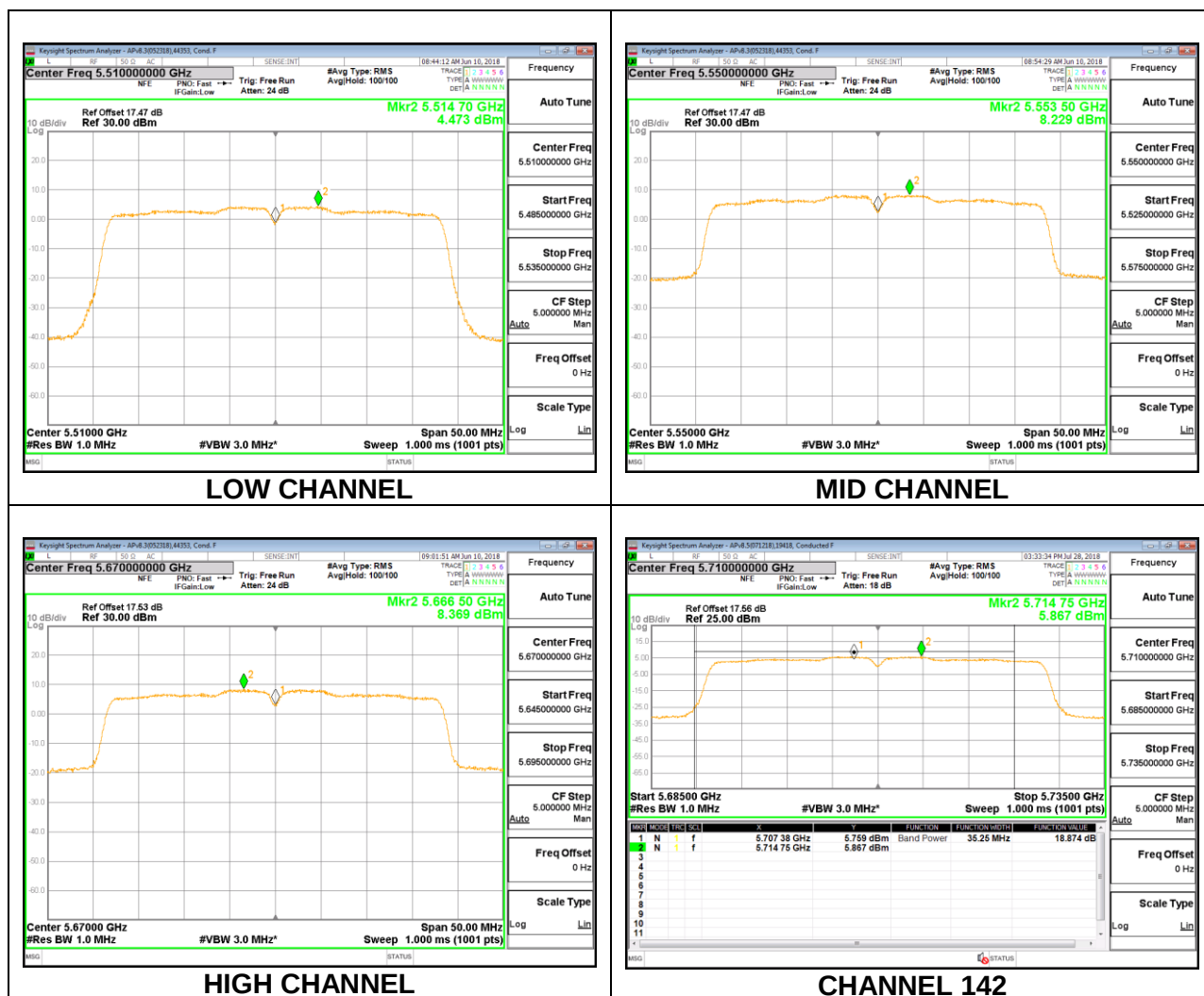
|                           |      |                                                                    |
|---------------------------|------|--------------------------------------------------------------------|
| <b>Duty Cycle CF (dB)</b> | 0.09 | <b>Included in Calculations of Corr'd Power (CH 142) &amp; PSD</b> |
|---------------------------|------|--------------------------------------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Low     | 5510               | 17.92                  | 17.92                             | 24.00                   | -6.08                   |
| Mid     | 5550               | 19.46                  | 19.46                             | 24.00                   | -4.54                   |
| High    | 5670               | 19.41                  | 19.41                             | 24.00                   | -4.59                   |
| 142     | 5710               | 18.87                  | 18.96                             | 24.00                   | -5.04                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Meas<br>PSD<br>(dBm/<br>1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/<br>1MHz) | PSD<br>Limit<br>(dBm/<br>1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------|------------------------------------------|--------------------------------|-----------------------|
| Low     | 5510               | 4.47                          | 4.56                                     | 11.00                          | -6.44                 |
| Mid     | 5550               | 8.23                          | 8.32                                     | 11.00                          | -2.68                 |
| High    | 5670               | 8.37                          | 8.46                                     | 11.00                          | -2.54                 |
| 142     | 5710               | 5.87                          | 5.96                                     | 11.00                          | -5.04                 |



**2TX Antenna 4 + Antenna 5 CDD MODE (FCC)****Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26 dB<br>BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/<br>1MHz) |
|---------|--------------------|-----------------------------|-------------------------------------------|-----------------------------------------|-------------------------|--------------------------------|
| Low     | 5510               | 40.10                       | -3.85                                     | -0.84                                   | 24.00                   | 11.00                          |
| Mid     | 5550               | 40.30                       | -3.85                                     | -0.84                                   | 24.00                   | 11.00                          |
| High    | 5670               | 40.40                       | -3.85                                     | -0.84                                   | 24.00                   | 11.00                          |
| 142     | 5710               | 40.40                       | -3.85                                     | -0.84                                   | 24.00                   | 11.00                          |

|                           |      |                                                                    |
|---------------------------|------|--------------------------------------------------------------------|
| <b>Duty Cycle CF (dB)</b> | 0.09 | <b>Included in Calculations of Corr'd Power (CH 142) &amp; PSD</b> |
|---------------------------|------|--------------------------------------------------------------------|

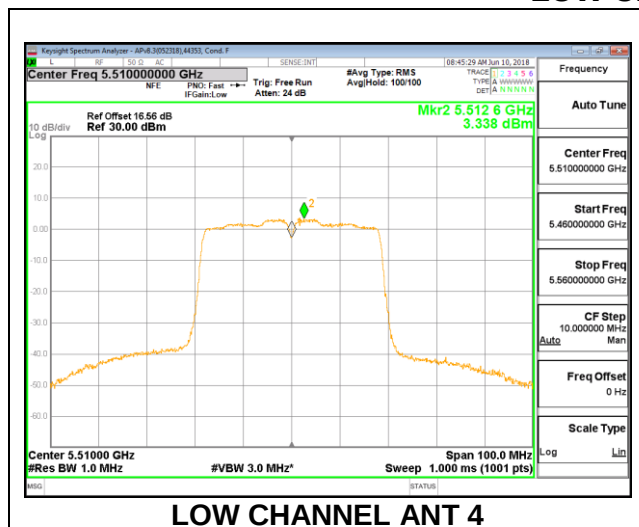
**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 4<br>Meas<br>Power<br>(dBm) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low     | 5510               | 16.93                               | 16.93                               | 19.94                             | 24.00                   | -4.06                   |
| Mid     | 5550               | 19.43                               | 19.44                               | 22.45                             | 24.00                   | -1.55                   |
| High    | 5670               | 19.38                               | 19.36                               | 22.38                             | 24.00                   | -1.62                   |
| 142     | 5710               | 19.16                               | 18.98                               | 22.17                             | 24.00                   | -1.83                   |

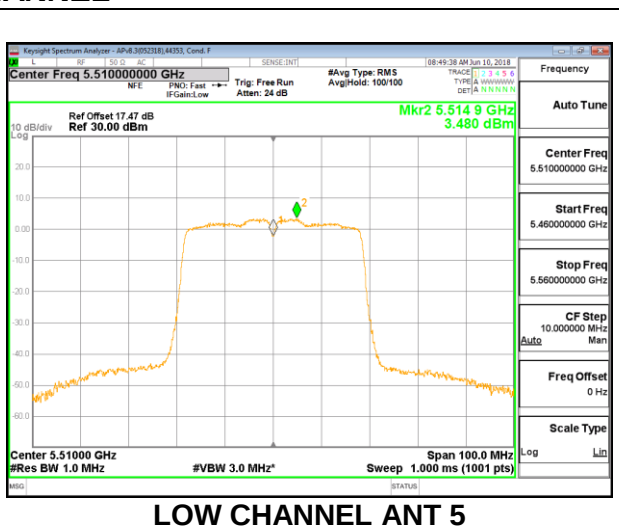
**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 4<br>Meas<br>PSD<br>(dBm/<br>1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/<br>1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/<br>1MHz) | PSD<br>Limit<br>(dBm/<br>1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|--------------------------------------------|--------------------------------------------|------------------------------------------|--------------------------------|-----------------------|
| Low     | 5510               | 3.34                                       | 3.48                                       | 6.51                                     | 11.00                          | -4.49                 |
| Mid     | 5550               | 6.38                                       | 6.44                                       | 9.51                                     | 11.00                          | -1.49                 |
| High    | 5670               | 6.44                                       | 6.28                                       | 9.46                                     | 11.00                          | -1.54                 |
| 142     | 5710               | 6.15                                       | 5.84                                       | 9.10                                     | 11.00                          | -1.90                 |

## LOW CHANNEL

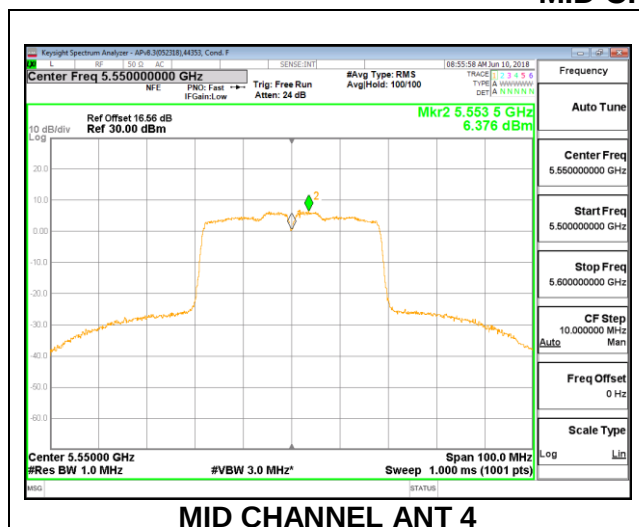


LOW CHANNEL ANT 4

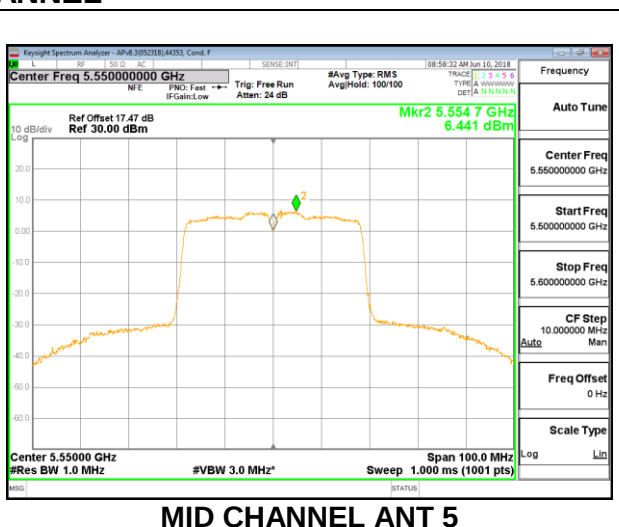


LOW CHANNEL ANT 5

## MID CHANNEL

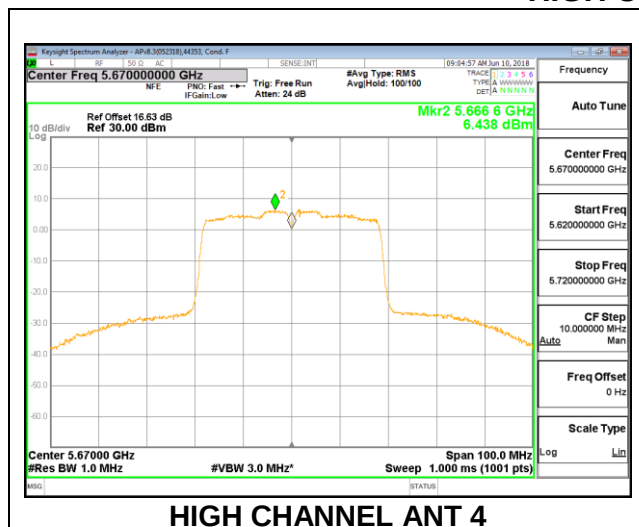


MID CHANNEL ANT 4

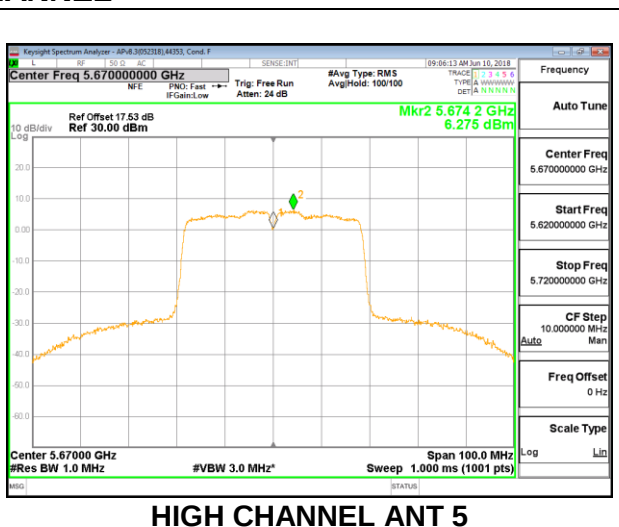


MID CHANNEL ANT 5

## HIGH CHANNEL

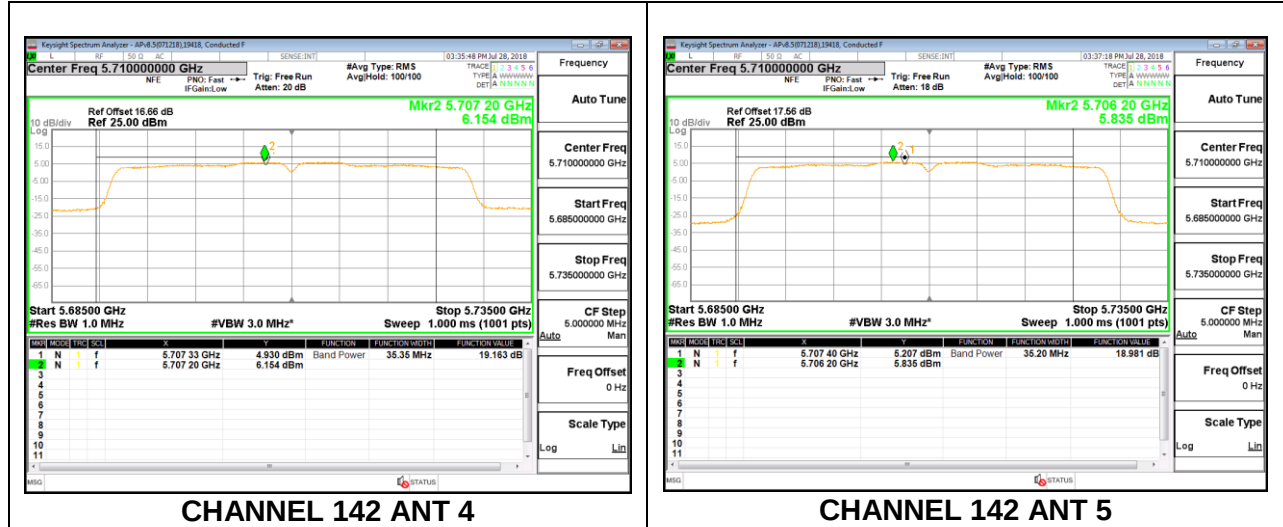


HIGH CHANNEL ANT 4



HIGH CHANNEL ANT 5

## CHANNEL 142



### 8.5.9. 802.11ac VHT80 MODE IN THE 5.6 GHz BAND

#### 1TX Antenna 4 (FCC)

##### Bandwidth, Antenna Gain, and Limits

| Channel | Frequency<br>(MHz) | Min<br>26 dB<br>BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/<br>1MHz) |
|---------|--------------------|-----------------------------|------------------------------|-------------------------|--------------------------------|
| Low     | 5530               | 82.80                       | -3.80                        | 24.00                   | 11.00                          |
| High    | 5610               | 82.40                       | -3.80                        | 24.00                   | 11.00                          |
| 138     | 5690               | 82.40                       | -3.80                        | 24.00                   | 11.00                          |

|                    |      |                                                         |
|--------------------|------|---------------------------------------------------------|
| Duty Cycle CF (dB) | 0.19 | Included in Calculations of Corr'd Power (CH 138) & PSD |
|--------------------|------|---------------------------------------------------------|

##### Output Power Results

| Channel | Frequency<br>(MHz) | Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Low     | 5530               | 17.43                  | 17.43                             | 24.00                   | -6.57                   |
| High    | 5610               | 19.48                  | 19.48                             | 24.00                   | -4.52                   |
| 138     | 5690               | 19.28                  | 19.47                             | 24.00                   | -4.53                   |

##### PSD Results

| Channel | Frequency<br>(MHz) | Meas<br>PSD<br>(dBm/<br>1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/<br>1MHz) | PSD<br>Limit<br>(dBm/<br>1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------|------------------------------------------|--------------------------------|-----------------------|
| Low     | 5530               | 1.75                          | 1.94                                     | 11.00                          | -9.06                 |
| High    | 5610               | 5.37                          | 5.56                                     | 11.00                          | -5.44                 |
| 138     | 5690               | 2.88                          | 3.07                                     | 11.00                          | -7.93                 |