

**Prüfbericht - Nr.:**  
Test Report No.:

**ULR-TC568821300000110F**

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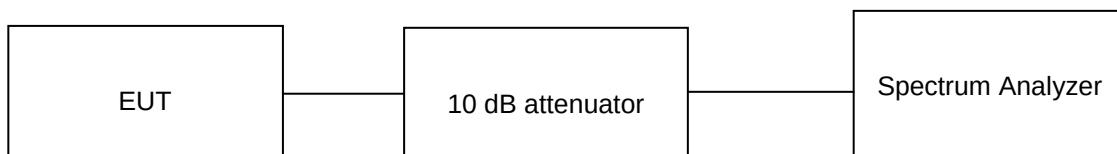
### 8.3 Maximum Power Spectral Density

**Result**

**Pass**

|                       |                                                                                                                                                                                                                                                     |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Specification    | FCC part 15 Subpart C 15.407 (a) / RSS 247 Issue 2<br>Section 6.2.1 & Section 6.2.4                                                                                                                                                                 |
| Test Method           | Subclause 12.5 of ANSI C63.10                                                                                                                                                                                                                       |
| Measurement Bandwidth | 1 MHz for UNII 1 Band and 300KHz for UNII 3 Band                                                                                                                                                                                                    |
| Detector              | Average sample detector                                                                                                                                                                                                                             |
| Port of testing       | Antenna port                                                                                                                                                                                                                                        |
| Requirement for FCC   | 1. For client devices in the 5.15-5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 MHz band<br><br>2. For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band |
| Requirement for IC    | 1. For the band 5.15-5.25 GHz, The e.i.r.p. spectral density shall not exceed 10 dBm in any 1 MHz band<br><br>2. For the band 5.725-5.85 GHz, The output power spectral density shall not exceed 30 dBm in any 500 kHz band                         |

#### Test Method:



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**The following procedure shall be used:**

1. Set center frequency to the nominal EUT channel center frequency
2. Set span to encompass the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal
3. Set RBW = 1MHz (5.15-5.25 GHz band) / 500kHz (5.725-5.85 GHz band)
4. Set VBW  $\geq 3 \times$  RBW
5. Number of points in sweep  $\geq 2 \times$  span / RBW. (This ensures that bin-to-bin spacing is  $\leq$  RBW/2, so that narrowband signals are not lost between frequency bins.)
6. Sweep time = auto
7. Detector = power averaging (rms), if available. Otherwise, use sample detector mode
8. Do not use sweep triggering. Allow the sweep to "free run."
9. Trace average at least 100 traces and Compute power by integrating the spectrum across the EBW
10. Add  $10 \log(1/x)$ , where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission)
11. If measurements are performed using a reduced resolution bandwidth ( $< 1$  MHz, or  $< 500$  kHz) and integrated over 1 MHz, or 500 kHz bandwidth, the following adjustments to the procedures apply:
  - a. Set RBW = 300 kHz
  - b. Set VBW  $\geq 3$  RBW
  - c. If measurement bandwidth of Maximum PSD is specified in 500 kHz

$$\text{PSD bandwidth correction Factor} = 10 * \log(500 \text{ kHz} / \text{RBW})$$

**Test Condition:**

**Normal Test Condition:**

Temperature (Norm) = + 24.5 °C      Voltage = Internal Battery + 5.0 V DC      Relative humidity: 63%

**KDB Guidelines applied:**

Measurements were made as per section F in KDB 789033 D02 General UNII Test Procedures New Rules v02r01

**Test results:**

**Note:**

1. All the losses are included during measurement and final values are mentioned in the test report  
10 dB attenuator + 1.5dB Cable loss = 11.5 dB total offset
2. Duty cycle correction factor is considered in Final Average power  
Duty cycle Correction factor =  $10 * \log(1/X)$  Where X is Duty Cycle
3. This product do not support additional beamforming gain / directional gain, it uses signal antenna and hence directional gain of the single antenna is (5.2 dBi)
4. e.i.r.p = Maximum Average PSD (dBm) + Antenna gain in dBi

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**Modulation: 802.11a – UNII 1,**

| Data rate (Mbps) | Measured Frequency (MHz) | Measured Average PSD (dBm/1MHz) | Duty Cycle X % | Duty cycle correction factor (dB) | Maximum Average PSD (dBm/ 1MHz) | PSD (e.i.r.p) (dBm/ 1MHz) | FCC PSD Limit (dBm/1MHz) | IC e.i.r.p SD (dBm/ 1MHz) |
|------------------|--------------------------|---------------------------------|----------------|-----------------------------------|---------------------------------|---------------------------|--------------------------|---------------------------|
| a_mode-6Mbps     | 5180                     | 3.20                            | 93.31          | 0.30                              | 3.50                            | 8.70                      | 11.00                    | 10.00                     |
|                  | 5240                     | 3.19                            | 93.31          | 0.30                              | 3.49                            | 8.69                      | 11.00                    | 10.00                     |
| a_mode-54Mbps    | 5180                     | 2.45                            | 92.68          | 0.33                              | 2.78                            | 7.98                      | 11.00                    | 10.00                     |
|                  | 5240                     | 2.69                            | 92.69          | 0.33                              | 3.02                            | 8.22                      | 11.00                    | 10.00                     |

**Modulation: 802.11a – UNII 3**

| Data rate (Mbps) | Measured Frequency (MHz) | Measured Average PSD (dBm/ 0.3MHz) | Duty Cycle X % | Duty cycle correction factor (dB) | Band width Correction (dB) | Maximum Average PSD (dBm/ 500kHz) | PSD (e.i.r.p) (dBm/ 500kHz ) | FCC PSD Limit (dBm/ 500kHz) | IC e.i.r.p PSD (dBm/ 500kHz) |
|------------------|--------------------------|------------------------------------|----------------|-----------------------------------|----------------------------|-----------------------------------|------------------------------|-----------------------------|------------------------------|
| a_mode-6Mbps     | 5745                     | -5.02                              | 99.03          | 0.04                              | 2.21                       | -2.77                             | 2.43                         | 30.00                       | 10.00                        |
|                  | 5825                     | -3.42                              | 99.03          | 0.04                              | 2.21                       | -1.17                             | 4.03                         | 30.00                       | 10.00                        |
| a_mode-54Mbps    | 5745                     | -5.56                              | 92.14          | 0.36                              | 2.21                       | -2.99                             | 2.21                         | 30.00                       | 10.00                        |
|                  | 5825                     | -4.00                              | 92.14          | 0.36                              | 2.21                       | -1.43                             | 3.77                         | 30.00                       | 10.00                        |

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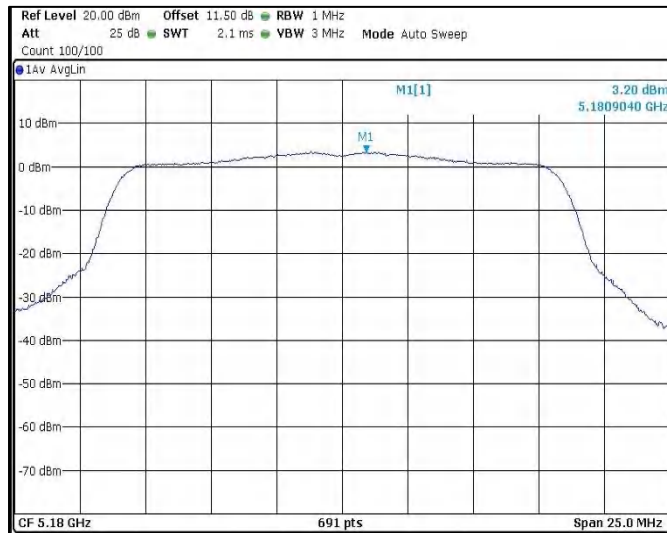
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**Test Plots:**

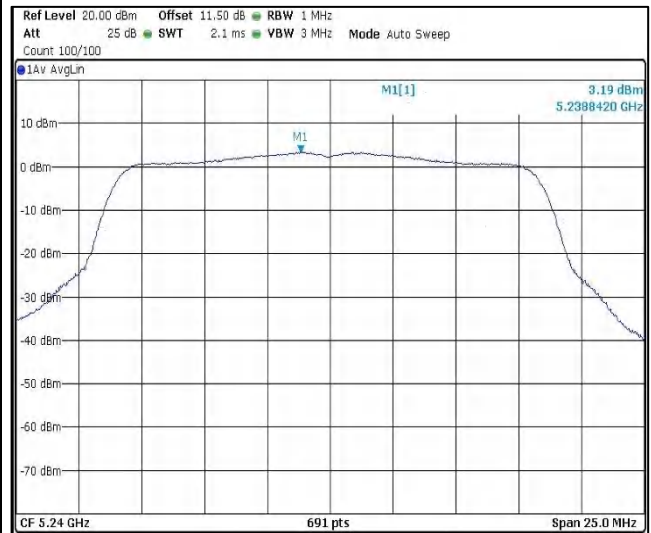
Only 6Mbps plots are copied

**Data rate: 6Mbps**

**Channel Frequency:5180MHz**

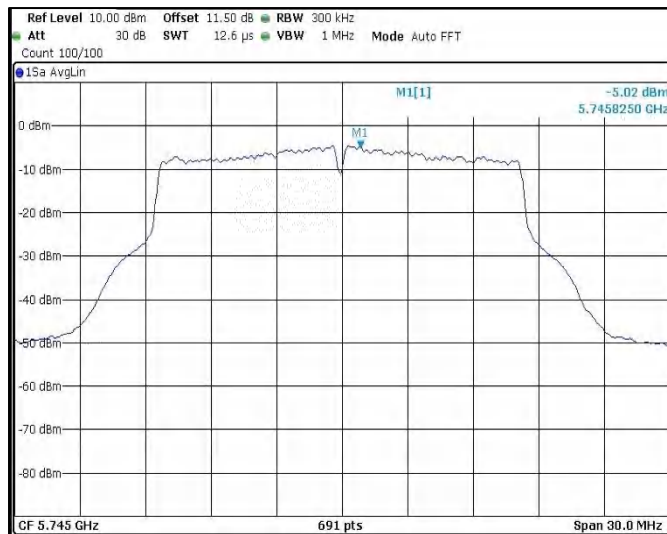


**Channel Frequency:5240MHz**



**Data rate: 6Mbps**

**Channel Frequency:5745Hz**



**Channel Frequency:5825MHz**



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**Modulation: 802.11n – 20MHz - UNII 1**

| Data rate (Mbps) | Measured Frequency (MHz) | Measured Average PSD (dBm/1MHz) | Duty Cycle X % | Duty cycle correction factor (dB) | Maximum Average PSD (dBm/ 1MHz) | PSD (e.i.r.p) (dBm/ 1MHz) | FCC PSD Limit (dBm/1MHz) | IC e.i.r.p SD (dBm/ 1MHz) |
|------------------|--------------------------|---------------------------------|----------------|-----------------------------------|---------------------------------|---------------------------|--------------------------|---------------------------|
| n_mode-MCS0      | 5180.00                  | 0.45                            | 86.68          | 0.62                              | 1.07                            | 6.27                      | 11.00                    | 10.00                     |
|                  | 5240.00                  | -0.25                           | 86.68          | 0.62                              | 0.37                            | 5.57                      | 11.00                    | 10.00                     |
| n_mode-MCS7      | 5180.00                  | 2.27                            | 99.23          | 0.03                              | 2.30                            | 7.50                      | 11.00                    | 10.00                     |
|                  | 5240.00                  | 3.48                            | 95.85          | 0.18                              | 3.66                            | 8.86                      | 11.00                    | 10.00                     |

**Modulation: 802.11n – 20MHz - UNII 3**

| Data rate (Mbps) | Measured Frequency (MHz) | Measured Average PSD (dBm/ 0.3MHz) | Duty Cycle X % | Duty cycle correction factor (dB) | Bandwidth Correction (dB) | Maximum Average PSD (dBm/ 500kHz) | PSD (e.i.r.p) (dBm/ 500kHz ) | FCC PSD Limit (dBm/ 500kHz ) | IC e.i.r.p PSD (dBm/ 500kHz ) |
|------------------|--------------------------|------------------------------------|----------------|-----------------------------------|---------------------------|-----------------------------------|------------------------------|------------------------------|-------------------------------|
| n_mode-MCS0      | 5745                     | -6.58                              | 98.96          | 0.05                              | 2.21                      | -4.32                             | 0.88                         | 30.00                        | 10.00                         |
|                  | 5825                     | -5.69                              | 98.96          | 0.05                              | 2.21                      | -3.43                             | 1.77                         | 30.00                        | 10.00                         |
| n_mode-MCS7      | 5745                     | -7.46                              | 91.34          | 0.39                              | 2.21                      | -4.86                             | 0.34                         | 30.00                        | 10.00                         |
|                  | 5825                     | -5.58                              | 91.34          | 0.39                              | 2.21                      | -2.98                             | 2.22                         | 30.00                        | 10.00                         |

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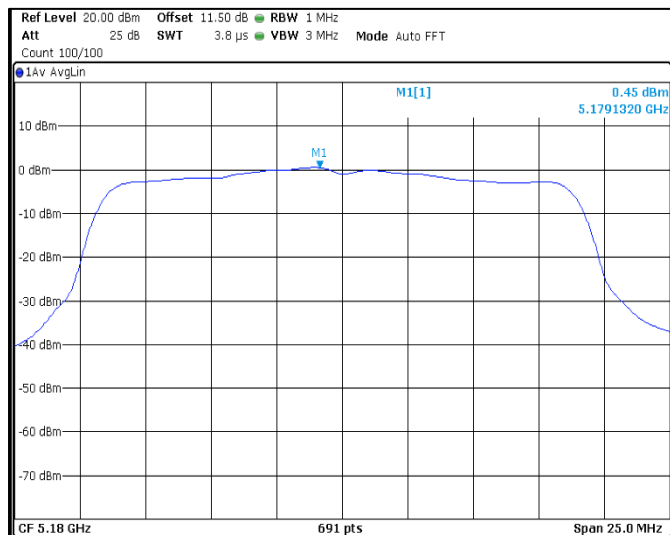
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## Test Plots:

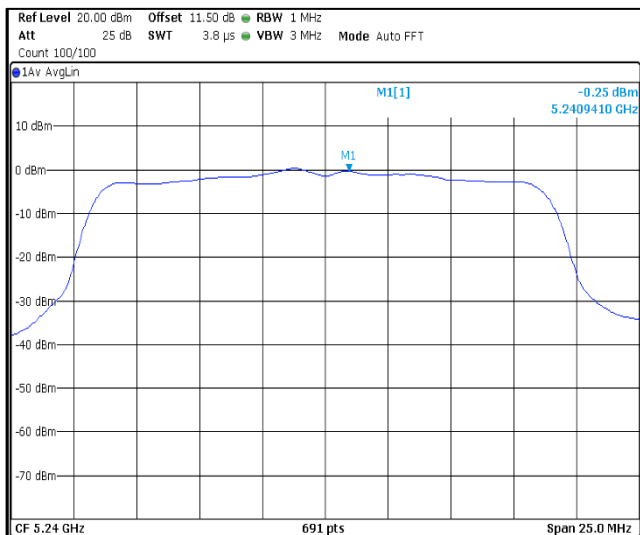
Only MCS0 plots are copied

**Data rate: MCS0**

**Channel Frequency:5180MHz**

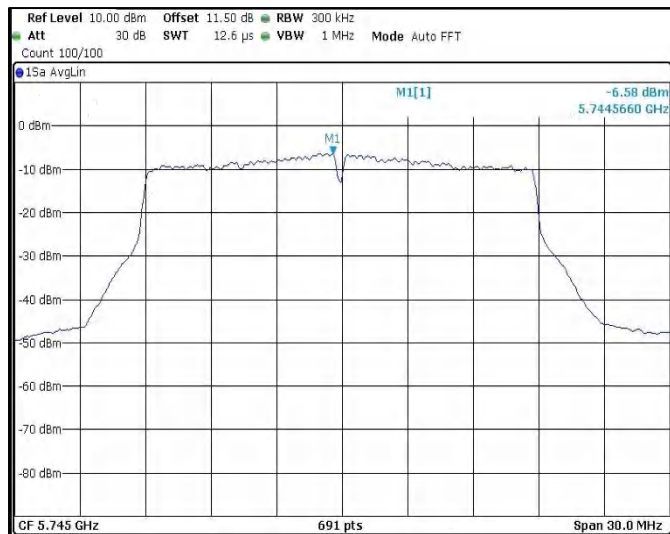


**Channel Frequency:5240MHz**

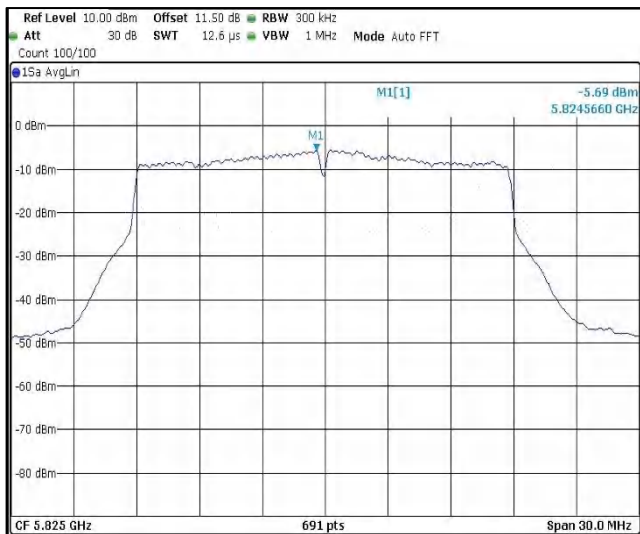


**Data rate: MCS0**

**Channel Frequency:5745Hz**



**Channel Frequency:5825MHz**



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**Modulation: 802.11n – 40MHz - UNII 1**

| Data rate (Mbps) | Measured Frequency (MHz) | Measured Average PSD (dBm/1MHz) | Duty Cycle X % | Duty cycle correction factor (dB) | Maximum Average PSD (dBm/1MHz) | PSD (e.i.r.p) (dBm/1MHz) | FCC PSD Limit (dBm/1MHz) | IC e.i.r.p SD (dBm/1MHz) |
|------------------|--------------------------|---------------------------------|----------------|-----------------------------------|--------------------------------|--------------------------|--------------------------|--------------------------|
| n_mode-MCS0      | 5190.00                  | -3.47                           | 86.68          | 0.62                              | -2.85                          | 2.35                     | 11.00                    | 10.00                    |
|                  | 5230.00                  | -3.36                           | 86.68          | 0.62                              | -2.74                          | 2.46                     | 11.00                    | 10.00                    |
| n_mode-MCS7      | 5190.00                  | -1.24                           | 89.27          | 0.49                              | -0.75                          | 4.45                     | 11.00                    | 10.00                    |
|                  | 5230.00                  | -1.42                           | 89.27          | 0.49                              | -0.93                          | 4.27                     | 11.00                    | 10.00                    |

**Modulation: 802.11n – 40MHz - UNII 3**

| Data rate (Mbps) | Measured Frequency (MHz) | Measured Average PSD (dBm/0.3MHz) | Duty Cycle X % | Duty cycle correction factor (dB) | Bandwidth Correction (dB) | Maximum Average PSD (dBm/500kHz) | PSD (e.i.r.p) (dBm/500kHz) | FCC PSD Limit (dBm/500kHz) | IC e.i.r.p PSD (dBm/500kHz) |
|------------------|--------------------------|-----------------------------------|----------------|-----------------------------------|---------------------------|----------------------------------|----------------------------|----------------------------|-----------------------------|
| n_mode-MCS0      | 5755.00                  | -6.38                             | 98.45          | 0.07                              | 2.21                      | -4.10                            | 1.10                       | 30.00                      | 10.00                       |
|                  | 5795.00                  | -6.52                             | 98.45          | 0.07                              | 2.21                      | -4.24                            | 0.96                       | 30.00                      | 10.00                       |
| n_mode-MCS7      | 5755.00                  | -8.03                             | 89.30          | 0.49                              | 2.21                      | -5.33                            | -0.13                      | 30.00                      | 10.00                       |
|                  | 5795.00                  | -8.45                             | 89.30          | 0.49                              | 2.21                      | -5.75                            | -0.55                      | 30.00                      | 10.00                       |

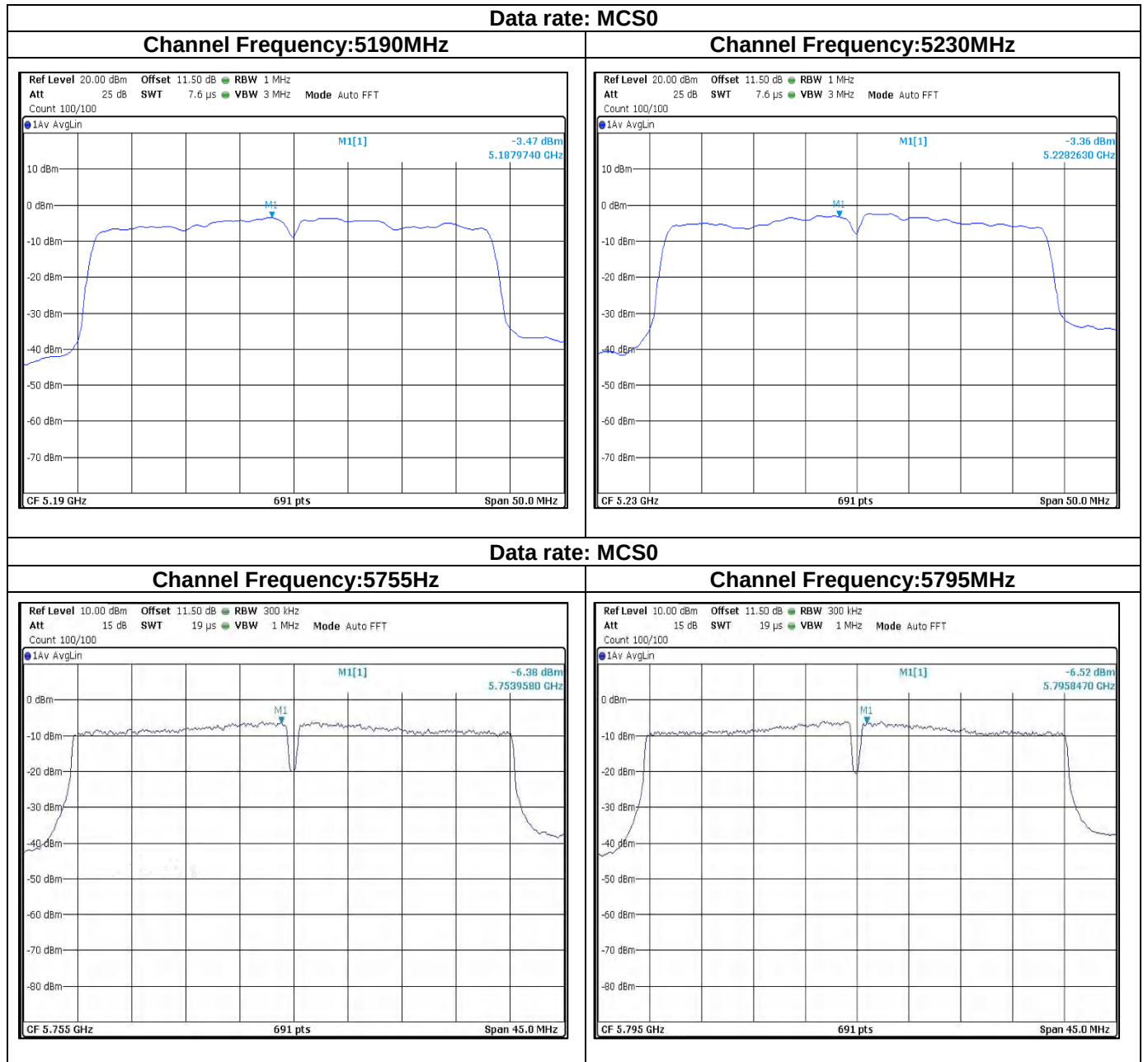
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Only MCS0 plots are copied



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**Modulation: 802.11ac – VHT20MHz - UNII 1**

| Data rate (Mbps) | Measured Frequency (MHz) | Measured Average PSD (dBm/1MHz) | Duty Cycle X % | Duty cycle correction factor (dB) | Maximum Average PSD (dBm/1MHz) | PSD (e.i.r.p) (dBm/1MHz) | FCC PSD Limit (dBm/1MHz) | IC e.i.r.p SD (dBm/1MHz) |
|------------------|--------------------------|---------------------------------|----------------|-----------------------------------|--------------------------------|--------------------------|--------------------------|--------------------------|
| ac_mode-MCS0     | 5180.00                  | 3.53                            | 92.96          | 0.32                              | 3.85                           | 8.28                     | 11.00                    | 10.00                    |
|                  | 5240.00                  | 4.51                            | 92.95          | 0.32                              | 4.83                           | 7.55                     | 11.00                    | 10.00                    |
| ac_mode-MCS8     | 5180.00                  | 0.30                            | 90.95          | 0.41                              | 0.71                           | 5.91                     | 11.00                    | 10.00                    |
|                  | 5240.00                  | 0.22                            | 90.94          | 0.41                              | 0.63                           | 5.83                     | 11.00                    | 10.00                    |

**Modulation: 802.11ac – VHT20MHz - UNII 3**

| Data rate (Mbps) | Measured Frequency (MHz) | Measured Average PSD (dBm/0.3MHz) | Duty Cycle X % | Duty cycle correction factor (dB) | Bandwidth Correction (dB) | Maximum Average PSD (dBm/500kHz) | PSD (e.i.r.p) (dBm/500kHz) | FCC PSD Limit (dBm/500kHz) | IC e.i.r.p PSD (dBm/500kHz) |
|------------------|--------------------------|-----------------------------------|----------------|-----------------------------------|---------------------------|----------------------------------|----------------------------|----------------------------|-----------------------------|
| ac_mod-MCS0      | 5745                     | -6.44                             | 98.96          | 0.05                              | 2.21                      | -4.18                            | 1.02                       | 30.00                      | 10.00                       |
|                  | 5825                     | -4.11                             | 98.96          | 0.05                              | 2.21                      | -1.85                            | 3.35                       | 30.00                      | 10.00                       |
| ac_mod-MCS8      | 5745                     | -6.60                             | 90.27          | 0.44                              | 2.21                      | -3.95                            | 1.25                       | 30.00                      | 10.00                       |
|                  | 5825                     | -6.99                             | 90.27          | 0.44                              | 2.21                      | -4.34                            | 0.86                       | 30.00                      | 10.00                       |

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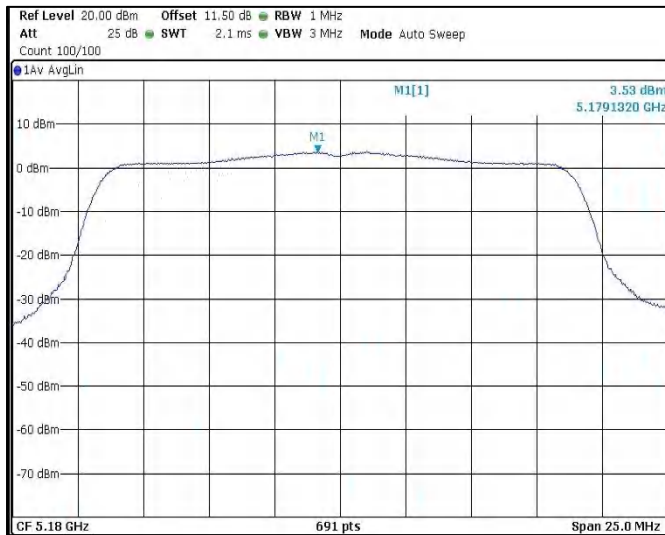
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**Test Plots:**

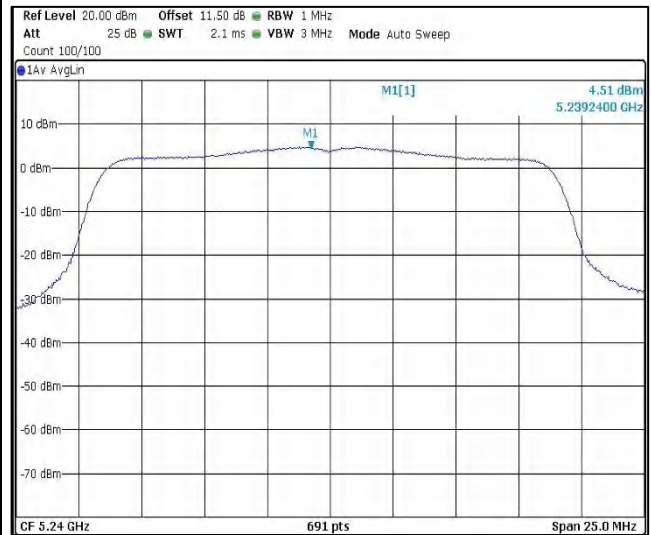
Only MCS0 plots are copied

**Data rate: MCS0**

**Channel Frequency:5180MHz**

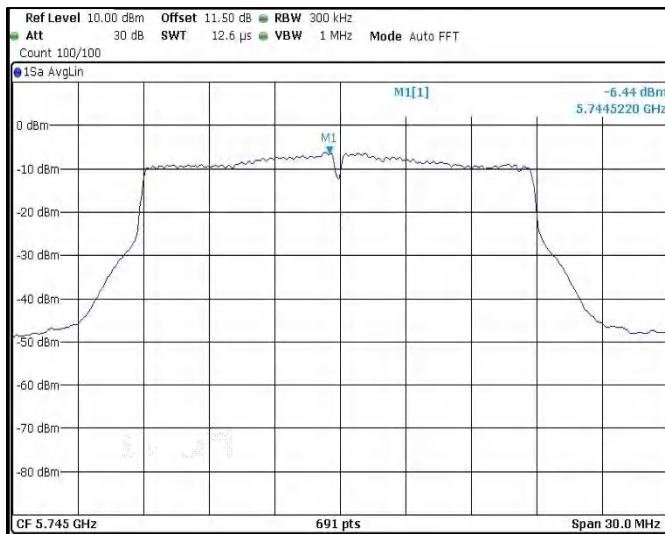


**Channel Frequency:5240MHz**

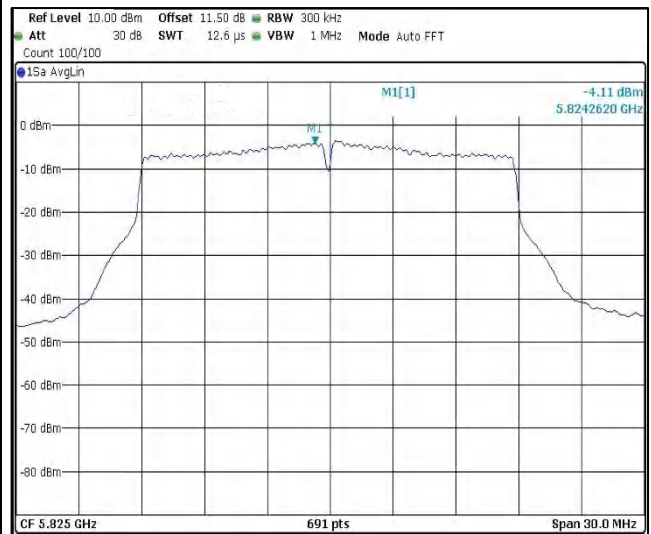


**Data rate: MCS0**

**Channel Frequency:5745Hz**



**Channel Frequency:5825MHz**



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**Modulation: 802.11ac – 40MHz - UNII 1**

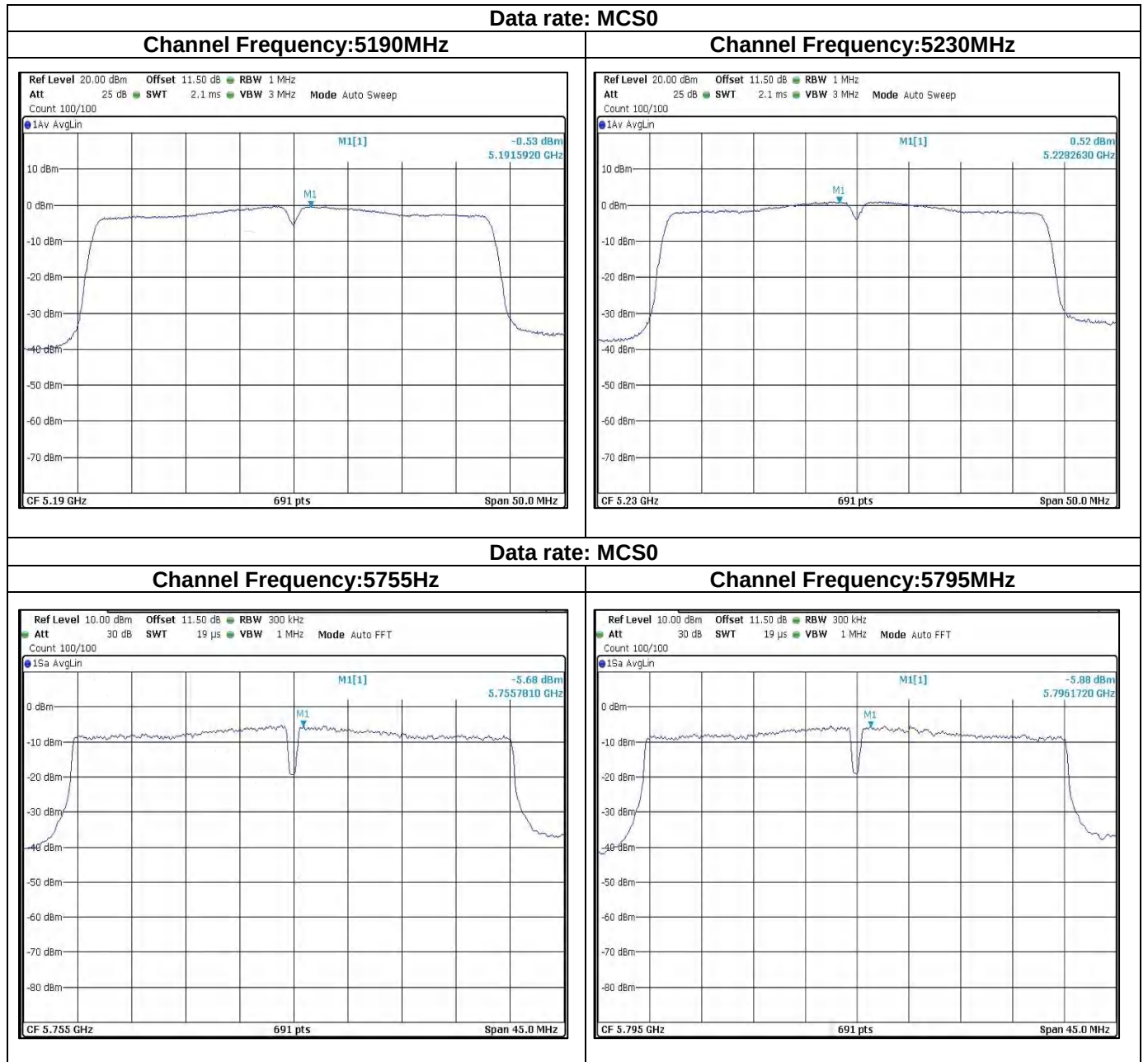
| Data rate (Mbps) | Measured Frequency (MHz) | Measured Average PSD (dBm/1MHz) | Duty Cycle X % | Duty cycle correction factor (dB) | Maximum Average PSD (dBm/1MHz) | PSD (e.i.r.p) (dBm/1MHz) | FCC PSD Limit (dBm/1MHz) | IC e.i.r.p SD (dBm/1MHz) |
|------------------|--------------------------|---------------------------------|----------------|-----------------------------------|--------------------------------|--------------------------|--------------------------|--------------------------|
| n_mode-MCS0      | 5190.00                  | -0.53                           | 86.68          | 0.62                              | 0.09                           | 5.29                     | 11.00                    | 10.00                    |
|                  | 5230.00                  | 0.52                            | 86.68          | 0.62                              | 1.14                           | 6.34                     | 11.00                    | 10.00                    |
| n_mode-MCS7      | 5190.00                  | -4.67                           | 89.27          | 0.49                              | -4.18                          | 1.02                     | 11.00                    | 10.00                    |
|                  | 5230.00                  | -4.86                           | 89.27          | 0.49                              | -4.37                          | 0.83                     | 11.00                    | 10.00                    |

**Modulation: 802.11ac – 40MHz - UNII 3**

| Data rate (Mbps) | Measured Frequency (MHz) | Measured Average PSD (dBm/0.3MHz) | Duty Cycle X % | Duty cycle correction factor (dB) | Bandwidth Correction (dB) | Maximum Average PSD (dBm/500kHz) | PSD (e.i.r.p) (dBm/500kHz) | FCC PSD Limit (dBm/500kHz) | IC e.i.r.p PSD (dBm/500kHz) |
|------------------|--------------------------|-----------------------------------|----------------|-----------------------------------|---------------------------|----------------------------------|----------------------------|----------------------------|-----------------------------|
| n_mode-MCS0      | 5755.00                  | -5.68                             | 98.45          | 0.07                              | 2.21                      | -3.40                            | 1.80                       | 30.00                      | 10.00                       |
|                  | 5795.00                  | -5.88                             | 98.45          | 0.07                              | 2.21                      | -3.60                            | 1.60                       | 30.00                      | 10.00                       |
| n_mode-MCS7      | 5755.00                  | -10.21                            | 87.28          | 0.59                              | 2.21                      | -7.41                            | -2.21                      | 30.00                      | 10.00                       |
|                  | 5795.00                  | -9.67                             | 87.28          | 0.59                              | 2.21                      | -6.87                            | -1.67                      | 30.00                      | 10.00                       |

**Test Plots:**

Only MCS0 plots are copied



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**Modulation: 802.11ac – VHT80MHz - UNII 1**

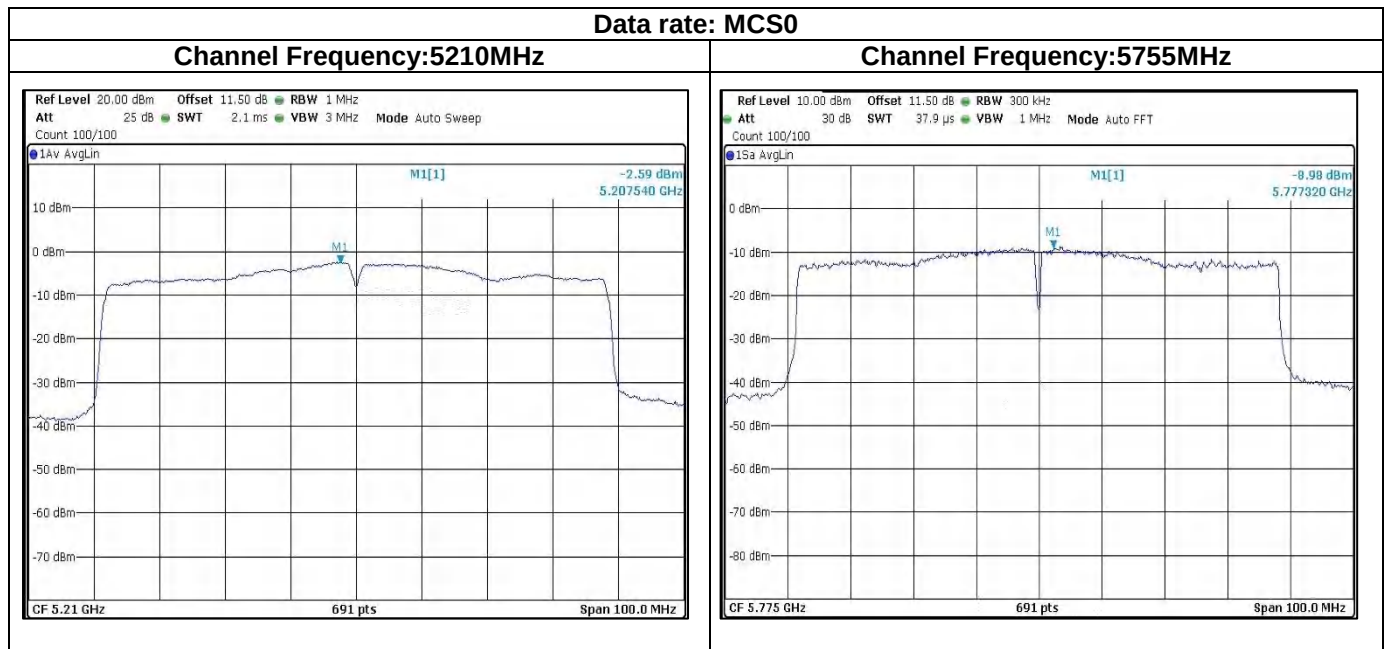
| Data rate (Mbps) | Measured Frequency (MHz) | Measured Average PSD (dBm/1MHz) | Duty Cycle X % | Duty cycle correction factor (dB) | Maximum Average PSD (dBm/1MHz) | PSD (e.i.r.p) (dBm/1MHz) | FCC PSD Limit (dBm/1MHz) | IC e.i.r.p PSD (dBm/1MHz) |
|------------------|--------------------------|---------------------------------|----------------|-----------------------------------|--------------------------------|--------------------------|--------------------------|---------------------------|
| ac_mode-MCS0     | 5210.00                  | -2.59                           | 83.61          | 0.78                              | -1.81                          | 3.39                     | 11.00                    | 10.00                     |
| ac_mode-MCS9     | 5210.00                  | -9.08                           | 43.40          | 3.63                              | -5.45                          | -0.25                    | 11.00                    | 10.00                     |

**Modulation: 802.11ac – VHT80MHz - UNII 3**

| Data rate (Mbps) | Measured Frequency (MHz) | Measured Average PSD (dBm/0.3MHz) | Duty Cycle X % | Duty cycle correction factor (dB) | Bandwidth Correction (dB) | Maximum Average PSD (dBm/500kHz) | PSD (e.i.r.p) (dBm/500kHz) | FCC PSD Limit (dBm/500kHz) | IC e.i.r.p PSD (dBm/500kHz) |
|------------------|--------------------------|-----------------------------------|----------------|-----------------------------------|---------------------------|----------------------------------|----------------------------|----------------------------|-----------------------------|
| ac_mode-MCS0     | 5755.00                  | -8.98                             | 96.88          | 0.14                              | 2.21                      | -6.63                            | -1.43                      | 30.00                      | 10.00                       |
| ac_mode-MCS9     | 5755.00                  | -13.56                            | 81.57          | 0.88                              | 2.21                      | -10.47                           | -5.27                      | 30.00                      | 10.00                       |

**Test Plots:**

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## 8.4 Spurious Radiated Emissions & Restricted Bands of Operation

**Result** **Pass**

|                       |                                                                                                                                        |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Test Specification    | FCC part 15 Subpart C Section 15.407 (b) (15.205 & 15.209) / RSS 247 Issue 2 Section 6.2.1; 6.2.4 / RSS Gen Issue 5 Section 8.9 & 8.10 |
| Test Method           | ANSI C 63.10 – 2013                                                                                                                    |
| Measurement Bandwidth | 100kHz for below 1GHz<br>1MHz for above 1GHz                                                                                           |
| Measurement Location  | Semi Anechoic Chamber 30MHz - 1 GHz<br>Fully Anechoic Chamber 1 GHz - 40GHz                                                            |
| Measuring Distance    | 3 m                                                                                                                                    |
| Detector              | Refer Remark                                                                                                                           |
| Requirement           | As per the limits mentioned in the below table                                                                                         |
| Test setup            | Refer TEST METHODOLOGY                                                                                                                 |

### Limit:

**Table 6: Undesirable emission limits**

| Frequency Band | Limit                                                                                                                                                                      |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5.15-5.25 GHz  | e.i.r.p. -27dBm [68.2 dBuV/3m]                                                                                                                                             |
| 5.725-5.85 GHz | 5.715 GHz to 5.725 GHz - e.i.r.p. -17dBm [78.2 dBuV/3m]<br>5.85 GHz to 5.86 GHz - e.i.r.p. -17dBm [78.2 dBuV/3m]<br>other frequency range - e.i.r.p. -27dBm [68.2 dBuV/3m] |

**Table 7: Transmitter limits for Radiated emission**

| Frequency (MHz) | Field strength (μV/m) | Field strength (dBμV/m) | Distance of Measurement (m) |
|-----------------|-----------------------|-------------------------|-----------------------------|
| 0.009 – 0.490   | 2400/F(kHz)           | 48.50 – 13.80           | 300*                        |
| 0.490 – 1.705   | 24000/F(kHz)          | 33.80 – 23.00           | 30*                         |
| 1.705 -30       | 30                    | 29.54                   | 30*                         |
| 30-88           | 100                   | 40.0                    | 3                           |
| 88-216          | 150                   | 43.5                    | 3                           |
| 216-960         | 200                   | 46.0                    | 3                           |
| Above 960       | 500                   | 54.0                    | 3                           |

Remark: \* The limit shows in the table above of frequency range 0.009 – 0.490, 0.490 – 1.705 MHz and 1.705-30MHz is at 300 meter, 30 meter and 30 meter range respectively, which corresponds to 128.51 – 93.80, 73.80 – 62.96 and 69.54 dBμV/m at 3m range by extrapolation calculation and the measurement of loop antenna.

The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz Radiated emission limits in these three bands are based on measurements employing an average detector.

**Test Condition:**

**Normal Test Condition:**

Temperature (Norm) = + 24.5 °C

Voltage = Internal Battery + 5.0 V DC

Relative humidity: 63%

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**Test results:**

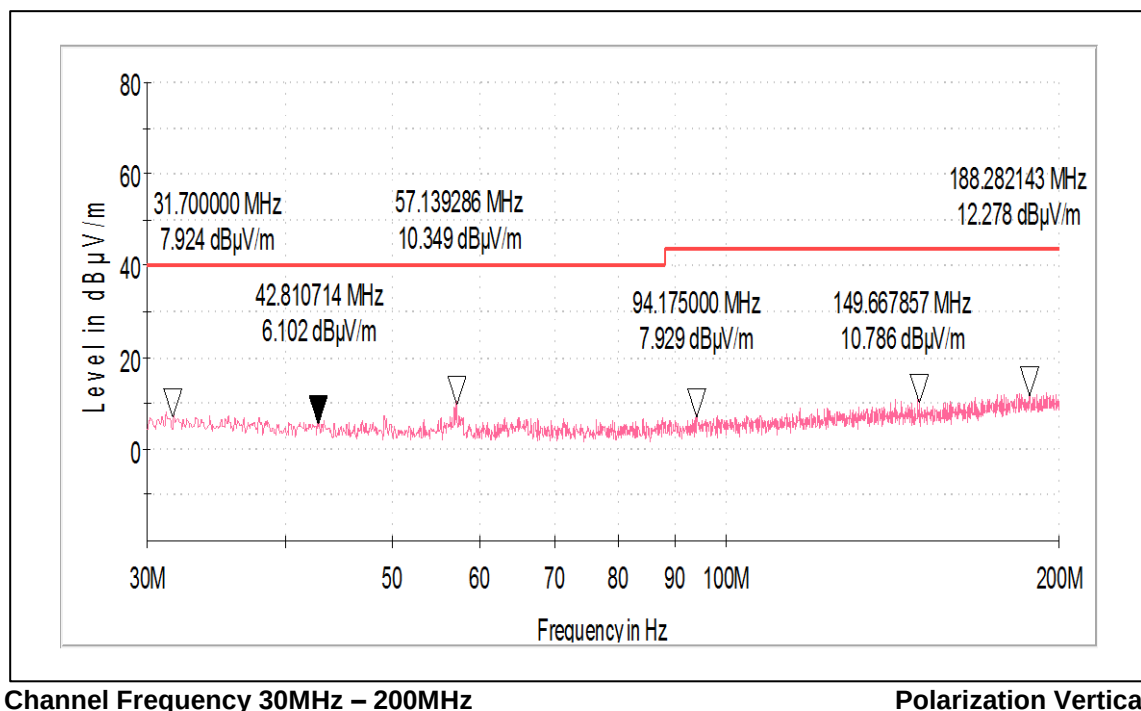
Note: All the losses are included during measurement and final values are mentioned in the test report. Refer TEST METHODOLOGY for more details

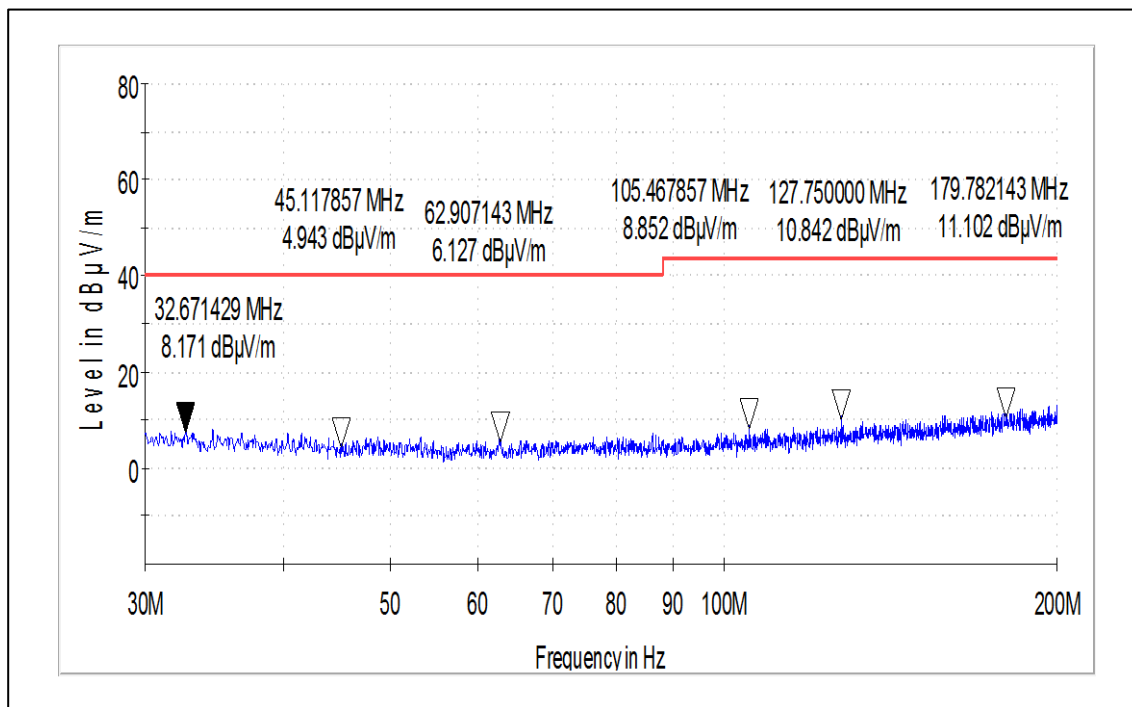
**Test results for Frequency range : 9kHz – 30MHz**

No Emissions found in the frequency range 9kHz – 30MHz

**Test results for frequency range 30MHz – 1GHz**

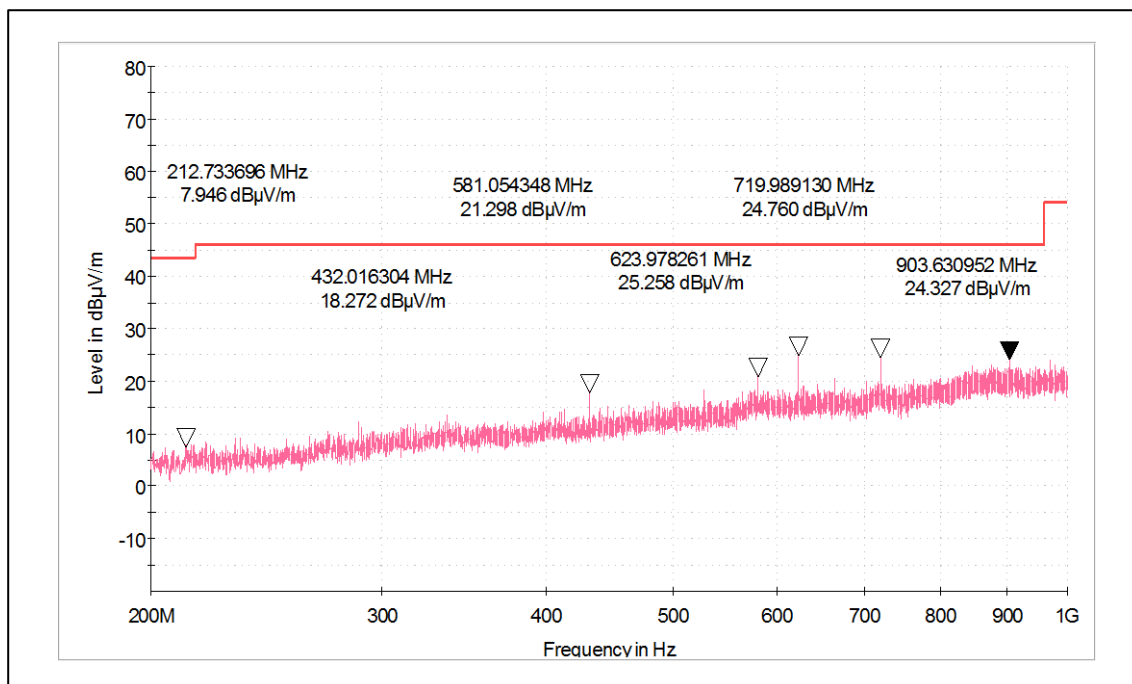
| Antenna Polarization | Measured Frequency (MHz) | Measured value (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) |
|----------------------|--------------------------|-------------------------------|----------------------|-------------|
| Vertical             | 31.70                    | 7.92                          | 40.00                | -32.08      |
|                      | 57.13                    | 10.34                         | 40.00                | -29.66      |
|                      | 94.17                    | 7.92                          | 43.50                | -35.58      |
|                      | 188.28                   | 12.27                         | 43.50                | -31.23      |
|                      | 212.73                   | 7.95                          | 43.50                | -35.55      |
|                      | 432.01                   | 18.27                         | 46.00                | -27.73      |
|                      | 719.98                   | 24.76                         | 46.00                | -21.24      |
|                      | 903.63                   | 24.32                         | 46.00                | -21.68      |
| Horizontal           | 32.67                    | 8.17                          | 40.00                | -31.83      |
|                      | 62.90                    | 6.12                          | 43.50                | -37.38      |
|                      | 127.75                   | 10.84                         | 43.50                | -32.66      |
|                      | 432.01                   | 18.33                         | 46.00                | -27.67      |
|                      | 591.28                   | 26.92                         | 46.00                | -19.08      |
|                      | 623.97                   | 29.03                         | 46.00                | -16.97      |
|                      | 719.98                   | 28.25                         | 46.00                | -17.75      |
|                      | 830.00                   | 33.03                         | 46.00                | -12.97      |





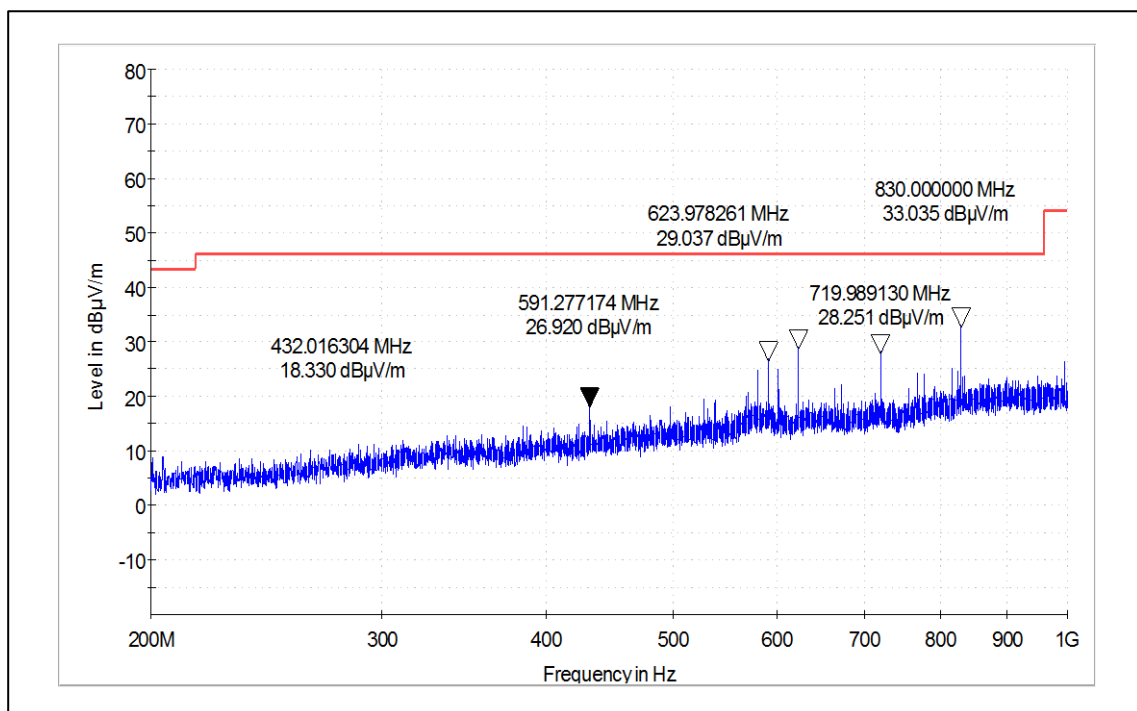
Channel Frequency 30MHz – 200MHz

Polarization Horizontal



Channel Frequency 200MHz – 1GHz

Polarization Vertical



Channel Frequency 200MHz – 1GHz

Polarization Horizontal

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**Test results for frequency range – 1GHz to 40 GHz**

**Modulation: 802.11a**  
**Data rate: 6Mbps**

| Channel Frequency (MHz) | Frequency (MHz) | Polarization | Emission (dBµV/m)  | Limit (dBm) | Margin (dB) |
|-------------------------|-----------------|--------------|--------------------|-------------|-------------|
| 5180                    | 5150 (Pk)       | Vertical     | 71.41              | 74.00*      | -2.59       |
|                         | 5150 (Av)       |              | 49.61              | 54.00*      | -4.39       |
|                         | 5180 (Pk)       |              | 109.30             | -           | -           |
|                         | 5180 (Av)       |              | 99.94              | -           | -           |
|                         | 10360 (Pk)      |              | 51.43              | 68.23       | -16.80      |
|                         | 10360 (Av)      |              | 39.53              | 68.23       | -28.70      |
|                         | 15540(Pk)       |              | No Harmonics Found |             |             |
|                         | 15540(Pk)       |              |                    |             |             |
|                         | 5150 (Pk)       | Horizontal   | 63.30              | 74.00*      | -10.70      |
|                         | 5150 (Av)       |              | 43.71              | 54.00*      | -10.29      |
|                         | 5180 (Pk)       |              | 103.59             | -           | -           |
|                         | 5180 (Av)       |              | 94.14              | -           | -           |
|                         | 10360 (Pk)      |              | 51.18              | 68.23       | -17.05      |
|                         | 10360 (Av)      |              | 39.27              | 68.23       | -28.96      |
|                         | 15540(Pk)       |              | No Harmonics Found |             |             |
|                         | 15540(Av)       |              |                    |             |             |
| 5240                    | 5240 (Pk)       | Vertical     | 108.49             | -           | -           |
|                         | 5240 (Av)       |              | 99.12              | -           | -           |
|                         | 5350 (Pk)       |              | 50.27              | 74.00*      | -23.73      |
|                         | 5350 (Av)       |              | 37.69              | 54.00*      | -16.31      |
|                         | 10480 (Pk)      |              | 52.44              | 68.23       | -15.79      |
|                         | 10480 (Av)      |              | 40.32              | 68.23       | -27.91      |
|                         | 15720 (Pk)      |              | No Harmonics Found |             |             |
|                         | 15720 (Av)      |              |                    |             |             |
|                         | 5240 (Pk)       | Horizontal   | 102.01             | -           | -           |
|                         | 5240 (Av)       |              | 92.74              | -           | -           |
|                         | 5350 (Pk)       |              | 43.89              | 74.00*      | -30.11      |
|                         | 5350 (Av)       |              | 32.03              | 54.00*      | -21.97      |
|                         | 10480 (Pk)      |              | 52.70              | 68.23       | -15.53      |
|                         | 10480 (Av)      |              | 40.03              | 68.23       | -28.20      |
|                         | 15720 (Pk)      |              | No Harmonics Found |             |             |
|                         | 15720 (Av)      |              |                    |             |             |

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|------|------------|------------|--------------------|--------|--------|
| 5745 | 5715(Pk)   | Vertical   | 65.35              | 74.00* | -8.65  |
|      | 5725(Pk)   |            | 71.74              | 74.00* | -2.26  |
|      | 5745 (Pk)  |            | 107.41             | -      | -      |
|      | 5745 (Av)  |            | 98.00              | -      | -      |
|      | 11490 (Pk) |            | 64.44              | 68.23  | -3.79  |
|      | 11490 (Av) |            | 49.78              | 68.23  | -18.45 |
|      | 17235 (Pk) |            | No Harmonics Found |        |        |
|      | 17235 (Av) |            |                    |        |        |
|      | 5715(Pk)   | Horizontal | 54.28              | 74.00* | -19.72 |
|      | 5725(Pk)   |            | 61.19              | 74.00* | -12.81 |
|      | 5745 (Pk)  |            | 96.45              | -      | -      |
|      | 5745 (Av)  |            | 88.64              | -      | -      |
|      | 11490 (Pk) |            | 55.61              | 68.23  | -12.62 |
|      | 11490 (Av) |            | 42.80              | 68.23  | -25.43 |
|      | 17235 (Pk) |            | No Harmonics Found |        |        |
|      | 17235 (Av) |            |                    |        |        |
| 5825 | 5825 (Pk)  | Vertical   | 109.08             | -      | -      |
|      | 5825 (Av)  |            | 99.89              | -      | -      |
|      | 5850 (Pk)  |            | 70.89              | 74.00* | -3.11  |
|      | 5850 (Av)  |            | 51.83              | 54.00* | -2.17  |
|      | 11650 (Pk) |            | 66.19              | 68.23  | -2.04  |
|      | 11650 (Av) |            | 51.83              | 68.23  | -16.40 |
|      | 17475 (Pk) |            | No Harmonics Found |        |        |
|      | 17475 (Av) |            |                    |        |        |
|      | 5825 (Pk)  | Horizontal | 98.87              | -      | -      |
|      | 5825 (Av)  |            | 89.67              | -      | -      |
|      | 5850 (Pk)  |            | 60.97              | 74.00* | -13.03 |
|      | 5850 (Av)  |            | 42.69              | 54.00* | -11.31 |
|      | 11650 (Pk) |            | 54.10              | 68.23  | -14.13 |
|      | 11650 (Av) |            | 42.32              | 68.23  | -25.91 |
|      | 17475 (Pk) |            | No Harmonics Found |        |        |
|      | 17475 (Av) |            |                    |        |        |

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**Modulation:** 802.11a  
**Data rate:** 54Mbps

| Channel Frequency (MHz) | Frequency (MHz) | Polarization | Emission (dBμV/m)  | Limit (dBm) | Margin (dB) |
|-------------------------|-----------------|--------------|--------------------|-------------|-------------|
| 5180                    | 5150 (Pk)       | Vertical     | 66.73              | 74.00*      | -7.27       |
|                         | 5150 (Av)       |              | 47.08              | 54.00*      | -6.92       |
|                         | 5180 (Pk)       |              | 110.60             | -           | -           |
|                         | 5180 (Av)       |              | 96.92              | -           | -           |
|                         | 10360 (Pk)      |              | 51.92              | 68.23       | -16.31      |
|                         | 10360 (Av)      |              | 39.32              | 68.23       | -28.91      |
|                         | 15540(Pk)       |              | No Harmonics Found |             |             |
|                         | 15540(Pk)       |              |                    |             |             |
|                         | 5150 (Pk)       | Horizontal   | 59.38              | 74.00*      | -14.62      |
|                         | 5150 (Av)       |              | 40.94              | 54.00*      | -13.06      |
|                         | 5180 (Pk)       |              | 104.46             | -           | -           |
|                         | 5180 (Av)       |              | 91.05              | -           | -           |
|                         | 10360 (Pk)      |              | 52.20              | 68.23       | -16.03      |
|                         | 10360 (Av)      |              | 39.27              | 68.23       | -28.96      |
|                         | 15540(Pk)       |              | No Harmonics Found |             |             |
|                         | 15540(Av)       |              |                    |             |             |
| 5240                    | 5240 (Pk)       | Vertical     | 109.35             | -           | -           |
|                         | 5240 (Av)       |              | 95.75              | -           | -           |
|                         | 5350 (Pk)       |              | 49.02              | 74.00*      | -24.98      |
|                         | 5350 (Av)       |              | 36.31              | 54.00*      | -17.69      |
|                         | 10480 (Pk)      |              | 52.53              | 68.23       | -15.70      |
|                         | 10480 (Av)      |              | 40.00              | 68.23       | -28.23      |
|                         | 15720 (Pk)      |              | No Harmonics Found |             |             |
|                         | 15720 (Av)      |              |                    |             |             |
|                         | 5240 (Pk)       | Horizontal   | 102.85             | -           | -           |
|                         | 5240 (Av)       |              | 89.50              | -           | -           |
|                         | 5350 (Pk)       |              | 44.14              | 74.00*      | -29.86      |
|                         | 5350 (Av)       |              | 31.49              | 54.00*      | -22.51      |
|                         | 10480 (Pk)      |              | 52.67              | 68.23       | -15.56      |
|                         | 10480 (Av)      |              | 40.05              | 68.23       | -28.18      |
|                         | 15720 (Pk)      |              | No Harmonics Found |             |             |
|                         | 15720 (Av)      |              |                    |             |             |

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|      |            |            |                    |        |        |
|------|------------|------------|--------------------|--------|--------|
| 5745 | 5715(Pk)   | Vertical   | 67.12              | 74.00* | -6.88  |
|      | 5725(Pk)   |            | 71.72              | 74.00* | -2.28  |
|      | 5745 (Pk)  |            | 109.81             | -      | -      |
|      | 5745 (Av)  |            | 96.33              | -      | -      |
|      | 11490 (Pk) |            | 63.03              | 68.23  | -5.20  |
|      | 11490 (Av) |            | 48.92              | 68.23  | -19.31 |
|      | 17235 (Pk) |            | No Harmonics Found |        |        |
|      | 17235 (Av) |            |                    |        |        |
|      | 5715(Pk)   | Horizontal | 52.10              | 74.00* | -21.90 |
|      | 5725(Pk)   |            | 60.1*              | 74.00* | -13.84 |
|      | 5745 (Pk)  |            | 97.68              | -      | -      |
|      | 5745 (Av)  |            | 83.80              | -      | -      |
|      | 11490 (Pk) |            | 55.17              | 68.23  | -13.06 |
|      | 11490 (Av) |            | 42.76              | 68.23  | -25.47 |
|      | 17235 (Pk) |            | No Harmonics Found |        |        |
|      | 17235 (Av) |            |                    |        |        |
| 5825 | 5825 (Pk)  | Vertical   | 111.15             | -      | -      |
|      | 5825 (Av)  |            | 97.89              | -      | -      |
|      | 5850 (Pk)  |            | 67.81              | 74.00* | -6.19  |
|      | 5850 (Av)  |            | 49.90              | 54.00* | -4.10  |
|      | 11650 (Pk) |            | 62.51              | 68.23  | -5.72  |
|      | 11650 (Av) |            | 48.40              | 68.23  | -19.83 |
|      | 17475 (Pk) |            | No Harmonics Found |        |        |
|      | 17475 (Av) |            |                    |        |        |
|      | 5825 (Pk)  | Horizontal | 99.50              | -      | -      |
|      | 5825 (Av)  |            | 86.35              | -      | -      |
|      | 5850 (Pk)  |            | 58.21              | 74.00* | -15.79 |
|      | 5850 (Av)  |            | 40.13              | 54.00* | -13.87 |
|      | 11650 (Pk) |            | 55.19              | 68.23  | -13.04 |
|      | 11650 (Av) |            | 43.05              | 68.23  | -25.18 |
|      | 17475 (Pk) |            | No Harmonics Found |        |        |
|      | 17475 (Av) |            |                    |        |        |

**Note:**

\* :- Indicate restricted band frequency in 15.205

Pk: Peak Detector; Av: Average Detector

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**Modulation:** 802.11n \_ HT 20MHz

**Data rate:** MCS0

| Channel Frequency (MHz) | Frequency (MHz) | Polarization | Emission (dBμV/m)  | Limit (dBm) | Margin (dB) |
|-------------------------|-----------------|--------------|--------------------|-------------|-------------|
| 5180                    | 5150 (Pk)       | Vertical     | 71.37              | 74.00*      | -2.63       |
|                         | 5150 (Av)       |              | 52.30              | 54.00*      | -1.70       |
|                         | 5180 (Pk)       |              | 111.27             | -           | -           |
|                         | 5180 (Av)       |              | 100.25             | -           | -           |
|                         | 10360 (Pk)      |              | 51.55              | 68.23       | -16.68      |
|                         | 10360 (Av)      |              | 39.27              | 68.23       | -28.96      |
|                         | 15540(Pk)       |              | No Harmonics Found |             |             |
|                         | 15540(Pk)       |              |                    |             |             |
|                         | 5150 (Pk)       | Horizontal   | 63.88              | 74.00*      | -10.12      |
|                         | 5150 (Av)       |              | 45.96              | 54.00*      | -8.04       |
|                         | 5180 (Pk)       |              | 104.17             | -           | -           |
|                         | 5180 (Av)       |              | 93.89              | -           | -           |
|                         | 10360 (Pk)      |              | 51.66              | 68.23       | -16.57      |
|                         | 10360 (Av)      |              | 39.30              | 68.23       | -28.93      |
|                         | 15540(Pk)       |              | No Harmonics Found |             |             |
|                         | 15540(Av)       |              |                    |             |             |
| 5240                    | 5240 (Pk)       | Vertical     | 109.90             | -           | -           |
|                         | 5240 (Av)       |              | 99.17              | -           | -           |
|                         | 5350 (Pk)       |              | 49.19              | 74.00*      | -24.81      |
|                         | 5350 (Av)       |              | 37.75              | 54.00*      | -16.25      |
|                         | 10480 (Pk)      |              | 52.48              | 68.23       | -15.75      |
|                         | 10480 (Av)      |              | 40.04              | 68.23       | -28.19      |
|                         | 15720 (Pk)      |              | No Harmonics Found |             |             |
|                         | 15720 (Av)      |              |                    |             |             |
|                         | 5240 (Pk)       | Horizontal   | 102.76             | -           | -           |
|                         | 5240 (Av)       |              | 92.70              | -           | -           |
|                         | 5350 (Pk)       |              | 44.03              | 74.00*      | -29.97      |
|                         | 5350 (Av)       |              | 32.06              | 54.00*      | -21.94      |
|                         | 10480 (Pk)      |              | 51.76              | 68.23       | -16.47      |
|                         | 10480 (Av)      |              | 40.01              | 68.23       | -28.22      |
|                         | 15720 (Pk)      |              | No Harmonics Found |             |             |
|                         | 15720 (Av)      |              |                    |             |             |

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|      |            |            |                    |        |        |
|------|------------|------------|--------------------|--------|--------|
| 5745 | 5715(Pk)   | Vertical   | 59.98              | 74.00* | -14.02 |
|      | 5725(Pk)   |            | 68.57              | 74.00* | -5.43  |
|      | 5745 (Pk)  |            | 106.13             | -      | -      |
|      | 5745 (Av)  |            | 96.09              | -      | -      |
|      | 11490 (Pk) |            | 61.15              | 68.23  | -7.08  |
|      | 11490 (Av) |            | 46.96              | 68.23  | -21.27 |
|      | 17235 (Pk) |            | No Harmonics Found |        |        |
|      | 17235 (Av) |            |                    |        |        |
|      | 5715(Pk)   | Horizontal | 53.42              | 74.00* | -20.58 |
|      | 5725(Pk)   |            | 58.81              | 74.00* | -15.19 |
|      | 5745 (Pk)  |            | 94.59              | -      | -      |
|      | 5745 (Av)  |            | 84.47              | -      | -      |
|      | 11490 (Pk) |            | 55.09              | 68.23  | -13.14 |
|      | 11490 (Av) |            | 42.76              | 68.23  | -25.47 |
|      | 17235 (Pk) |            | No Harmonics Found |        |        |
|      | 17235 (Av) |            |                    |        |        |
| 5825 | 5825 (Pk)  | Vertical   | 109.46             | -      | -      |
|      | 5825 (Av)  |            | 99.66              | -      | -      |
|      | 5850 (Pk)  |            | 66.41              | 74.00* | -7.59  |
|      | 5850 (Av)  |            | 47.69              | 54.00* | -6.31  |
|      | 11650 (Pk) |            | 65.45              | 68.23  | -2.78  |
|      | 11650 (Av) |            | 51.09              | 68.23  | -17.14 |
|      | 17475 (Pk) |            | No Harmonics Found |        |        |
|      | 17475 (Av) |            |                    |        |        |
|      | 5825 (Pk)  | Horizontal | 95.49              | -      | -      |
|      | 5825 (Av)  |            | 85.09              | -      | -      |
|      | 5850 (Pk)  |            | 53.41              | 74.00* | -20.59 |
|      | 5850 (Av)  |            | 35.27              | 54.00* | -18.73 |
|      | 11650 (Pk) |            | 57.54              | 68.23  | -10.69 |
|      | 11650 (Av) |            | 45.35              | 68.23  | -22.88 |
|      | 17475 (Pk) |            | No Harmonics Found |        |        |
|      | 17475 (Av) |            |                    |        |        |

**Note:**

\* :- Indicate restricted band frequency in 15.205

Pk: Peak Detector; Av: Average Detector

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**Modulation:** 802.11n \_ HT 20MHz

**Data rate:** MCS7

| Channel Frequency (MHz) | Frequency (MHz) | Polarization | Emission (dBμV/m)  | Limit (dBm) | Margin (dB) |
|-------------------------|-----------------|--------------|--------------------|-------------|-------------|
| 5180                    | 5150 (Pk)       | Vertical     | 69.70              | 74.00*      | -4.30       |
|                         | 5150 (Av)       |              | 46.15              | 54.00*      | -7.85       |
|                         | 5180 (Pk)       |              | 108.91             | -           | -           |
|                         | 5180 (Av)       |              | 94.73              | -           | -           |
|                         | 10360 (Pk)      |              | 50.90              | 68.23       | -17.33      |
|                         | 10360 (Av)      |              | 39.22              | 68.23       | -29.01      |
|                         | 15540(Pk)       |              | No Harmonics Found |             |             |
|                         | 15540(Pk)       |              |                    |             |             |
|                         | 5150 (Pk)       | Horizontal   | 61.26              | 74.00*      | -12.74      |
|                         | 5150 (Av)       |              | 40.85              | 54.00*      | -13.15      |
|                         | 5180 (Pk)       |              | 104.18             | -           | -           |
|                         | 5180 (Av)       |              | 89.99              | -           | -           |
|                         | 10360 (Pk)      |              | 51.49              | 68.23       | -16.74      |
|                         | 10360 (Av)      |              | 39.26              | 68.23       | -28.97      |
|                         | 15540(Pk)       |              | No Harmonics Found |             |             |
|                         | 15540(Av)       |              |                    |             |             |
| 5240                    | 5240 (Pk)       | Vertical     | 109.66             | -           | -           |
|                         | 5240 (Av)       |              | 95.51              | -           | -           |
|                         | 5350 (Pk)       |              | 48.90              | 74.00*      | -25.10      |
|                         | 5350 (Av)       |              | 36.05              | 54.00*      | -17.95      |
|                         | 10480 (Pk)      |              | 51.91              | 68.23       | -16.32      |
|                         | 10480 (Av)      |              | 39.98              | 68.23       | -28.25      |
|                         | 15720 (Pk)      |              | No Harmonics Found |             |             |
|                         | 15720 (Av)      |              |                    |             |             |
|                         | 5240 (Pk)       | Horizontal   | 102.81             | -           | -           |
|                         | 5240 (Av)       |              | 88.65              | -           | -           |
|                         | 5350 (Pk)       |              | 44.17              | 74.00*      | -29.83      |
|                         | 5350 (Av)       |              | 31.43              | 54.00*      | -22.57      |
|                         | 10480 (Pk)      |              | 51.57              | 68.23       | -16.66      |
|                         | 10480 (Av)      |              | 40.00              | 68.23       | -28.23      |
|                         | 15720 (Pk)      |              | No Harmonics Found |             |             |
|                         | 15720 (Av)      |              |                    |             |             |

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|      |            |            |                    |        |        |
|------|------------|------------|--------------------|--------|--------|
| 5745 | 5715(Pk)   | Vertical   | 66.38              | 74.00* | -7.62  |
|      | 5725(Pk)   |            | 71.43              | 74.00* | -2.57  |
|      | 5745 (Pk)  |            | 108.67             | -      | -      |
|      | 5745 (Av)  |            | 94.48              | -      | -      |
|      | 11490 (Pk) |            | 61.22              | 68.23  | -7.01  |
|      | 11490 (Av) |            | 47.79              | 68.23  | -20.44 |
|      | 17235 (Pk) |            | No Harmonics Found |        |        |
|      | 17235 (Av) |            |                    |        |        |
|      | 5715(Pk)   | Horizontal | 52.68              | 74.00* | -21.32 |
|      | 5725(Pk)   |            | 58.20              | 74.00* | -15.80 |
|      | 5745 (Pk)  |            | 95.33              | -      | -      |
|      | 5745 (Av)  |            | 81.18              | -      | -      |
|      | 11490 (Pk) |            | 55.12              | 68.23  | -13.11 |
|      | 11490 (Av) |            | 42.73              | 68.23  | -25.50 |
|      | 17235 (Pk) |            | No Harmonics Found |        |        |
|      | 17235 (Av) |            |                    |        |        |
| 5825 | 5825 (Pk)  | Vertical   | 111.65             | -      | -      |
|      | 5825 (Av)  |            | 97.42              | -      | -      |
|      | 5850 (Pk)  |            | 71.14              | 74.00* | -2.86  |
|      | 5860 (Pk)  |            | 48.37              | 54.00* | -5.63  |
|      | 11650 (Pk) |            | 57.56              | 68.23  | -10.67 |
|      | 11650 (Av) |            | 45.74              | 68.23  | -22.49 |
|      | 17475 (Pk) |            | No Harmonics Found |        |        |
|      | 17475 (Av) |            |                    |        |        |
|      | 5825 (Pk)  | Horizontal | 99.29              | -      | -      |
|      | 5825 (Av)  |            | 84.98              | -      | -      |
|      | 5850 (Pk)  |            | 58.45              | 74.00* | -15.55 |
|      | 5860 (Pk)  |            | 38.17              | 54.00* | -15.83 |
|      | 11650 (Pk) |            | 55.16              | 68.23  | -13.07 |
|      | 11650 (Av) |            | 42.32              | 68.23  | -25.91 |
|      | 17475 (Pk) |            | No Harmonics Found |        |        |
|      | 17475 (Av) |            |                    |        |        |

**Note:**

\* :- Indicate restricted band frequency in 15.205

Pk: Peak Detector; Av: Average Detector

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**Modulation:** 802.11n \_ HT 40MHz

**Data rate:** MCS0

| Channel Frequency (MHz) | Frequency (MHz) | Polarization | Emission (dBµV/m)  | Limit (dBm) | Margin (dB) |
|-------------------------|-----------------|--------------|--------------------|-------------|-------------|
| 5190                    | 5150 (Pk)       | Vertical     | 66.47              | 74.00*      | -7.53       |
|                         | 5150 (Av)       |              | 51.95              | 54.00*      | -2.05       |
|                         | 5190 (Pk)       |              | 105.09             | -           | -           |
|                         | 5190 (Av)       |              | 94.17              | -           | -           |
|                         | 10380 (Pk)      |              | 51.86              | 68.23       | -16.37      |
|                         | 10380 (Av)      |              | 39.38              | 68.23       | -28.85      |
|                         | 15570 (Pk)      |              | No Harmonics Found |             |             |
|                         | 15570 (Av)      |              |                    |             |             |
|                         | 5150 (Pk)       | Horizontal   | 62.29              | 74.00*      | -11.71      |
|                         | 5150 (Av)       |              | 46.62              | 54.00*      | -7.38       |
|                         | 5190 (Pk)       |              | 99.40              | -           | -           |
|                         | 5190 (Av)       |              | 88.52              | -           | -           |
|                         | 10380 (Pk)      |              | 51.33              | 68.23       | -16.90      |
|                         | 10380 (Av)      |              | 39.36              | 68.23       | -28.87      |
|                         | 15570 (Pk)      |              | No Harmonics Found |             |             |
|                         | 15570 (Av)      |              |                    |             |             |
| 5230                    | 5230 (Pk)       | Vertical     | 107.01             | -           | -           |
|                         | 5230 (Av)       |              | 95.98              | -           | -           |
|                         | 5350 (Pk)       |              | 53.35              | 74.00*      | -20.65      |
|                         | 5350 (Av)       |              | 40.44              | 54.00*      | -13.56      |
|                         | 10460 (Pk)      |              | 52.33              | 68.23       | -15.90      |
|                         | 10460 (Av)      |              | 39.95              | 68.23       | -28.28      |
|                         | 15690 (Pk)      |              | No Harmonics Found |             |             |
|                         | 15690 (Av)      |              |                    |             |             |
|                         | 5230 (Pk)       | Horizontal   | 99.10              | -           | -           |
|                         | 5230 (Av)       |              | 88.08              | -           | -           |
|                         | 5350 (Pk)       |              | 45.30              | 74.00*      | -28.70      |
|                         | 5350 (Av)       |              | 33.20              | 54.00*      | -20.80      |
|                         | 10460 (Pk)      |              | 51.89              | 68.23       | -16.34      |
|                         | 10460 (Av)      |              | 39.88              | 68.23       | -28.35      |
|                         | 15690 (Pk)      |              | No Harmonics Found |             |             |
|                         | 15690 (Av)      |              |                    |             |             |

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|      |           |            |                    |       |        |
|------|-----------|------------|--------------------|-------|--------|
| 5755 | 5755(Pk)  | Vertical   | 110.33             | -     | -      |
|      | 5755(Av)  |            | 99.59              | -     | -      |
|      | 11510(Pk) |            | 63.62              | 68.23 | -4.61  |
|      | 11510(Av) |            | 49.82              | 68.23 | -18.41 |
|      | 17265(Pk) |            | No Harmonics Found |       |        |
|      | 17265(Av) |            |                    |       |        |
|      | 5755(Pk)  | Horizontal | 98.10              | -     | -      |
|      | 5755(Av)  |            | 84.08              | -     | -      |
|      | 11510(Pk) |            | 54.64              | 68.23 | -13.59 |
|      | 11510(Av) |            | 42.65              | 68.23 | -25.58 |
|      | 17265(Pk) |            | No Harmonics Found |       |        |
|      | 17265(Av) |            |                    |       |        |
| 5795 | 5795(Pk)  | Vertical   | 110.46             | -     | -      |
|      | 5795(Av)  |            | 99.21              | -     | -      |
|      | 11590(Pk) |            | 63.67              | 68.23 | -4.56  |
|      | 11590(Av) |            | 49.65              | 68.23 | -18.58 |
|      | 17385(Pk) |            | No Harmonics Found |       |        |
|      | 17385(Av) |            |                    |       |        |
|      | 5795(Pk)  | Horizontal | 94.95              | -     | -      |
|      | 5795(Av)  |            | 84.08              | -     | -      |
|      | 11590(Pk) |            | 54.00              | 68.23 | -14.23 |
|      | 11590(Av) |            | 42.45              | 68.23 | -25.78 |
|      | 17385(Pk) |            | No Harmonics Found |       |        |
|      | 17385(Av) |            |                    |       |        |

**Note:**

\* :- Indicate restricted band frequency in 15.205

Pk: Peak Detector; Av: Average Detector

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**Modulation:** 802.11n \_ HT 40MHz

**Data rate:** MCS7

| Channel Frequency (MHz) | Frequency (MHz) | Polarization | Emission (dBμV/m)  | Limit (dBm) | Margin (dB) |
|-------------------------|-----------------|--------------|--------------------|-------------|-------------|
| 5190                    | 5150 (Pk)       | Vertical     | 68.71              | 74.00*      | -5.29       |
|                         | 5150 (Av)       |              | 49.03              | 54.00*      | -4.97       |
|                         | 5190 (Pk)       |              | 106.90             | -           | -           |
|                         | 5190 (Av)       |              | 90.87              | -           | -           |
|                         | 10380 (Pk)      |              | 51.78              | 68.23       | -16.45      |
|                         | 10380 (Av)      |              | 39.44              | 68.23       | -28.79      |
|                         | 15570 (Pk)      |              | No Harmonics Found |             |             |
|                         | 15570 (Av)      |              |                    |             |             |
|                         | 5150 (Pk)       | Horizontal   | 63.61              | 74.00*      | -10.39      |
|                         | 5150 (Av)       |              | 43.29              | 54.00*      | -10.71      |
|                         | 5190 (Pk)       |              | 99.95              | -           | -           |
|                         | 5190 (Av)       |              | 83.79              | -           | -           |
|                         | 10380 (Pk)      |              | 51.64              | 68.23       | -16.59      |
|                         | 10380 (Av)      |              | 39.34              | 68.23       | -28.89      |
|                         | 15570 (Pk)      |              | No Harmonics Found |             |             |
|                         | 15570 (Av)      |              |                    |             |             |
| 5230                    | 5230 (Pk)       | Vertical     | 106.33             | -           | -           |
|                         | 5230 (Av)       |              | 90.56              | -           | -           |
|                         | 5350 (Pk)       |              | 54.00              | 74.00*      | -20.00      |
|                         | 5350 (Av)       |              | 37.67              | 54.00*      | -16.33      |
|                         | 10460 (Pk)      |              | 52.21              | 68.23       | -16.02      |
|                         | 10460 (Av)      |              | 39.99              | 68.23       | -28.24      |
|                         | 15690 (Pk)      |              | No Harmonics Found |             |             |
|                         | 15690 (Av)      |              |                    |             |             |
|                         | 5230 (Pk)       | Horizontal   | 98.49              | -           | -           |
|                         | 5230 (Av)       |              | 82.56              | -           | -           |
|                         | 5350 (Pk)       |              | 45.91              | 74.00*      | -28.09      |
|                         | 5350 (Av)       |              | 32.20              | 54.00*      | -21.80      |
|                         | 10460 (Pk)      |              | 52.25              | 68.23       | -15.98      |
|                         | 10460 (Av)      |              | 39.90              | 68.23       | -28.33      |
|                         | 15690 (Pk)      |              | No Harmonics Found |             |             |
|                         | 15690 (Av)      |              |                    |             |             |

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|------|-----------|------------|--------------------|-------|--------|
| 5755 | 5755(Pk)  | Vertical   | 109.65             | -     | -      |
|      | 5755(Av)  |            | 93.56              | -     | -      |
|      | 11510(Pk) |            | 63.10              | 68.23 | -5.13  |
|      | 11510(Av) |            | 49.27              | 68.23 | -18.96 |
|      | 17265(Pk) |            | No Harmonics Found |       |        |
|      | 17265(Av) |            |                    |       |        |
|      | 5755(Pk)  | Horizontal | 94.78              | -     | -      |
|      | 5755(Av)  |            | 78.86              | -     | -      |
|      | 11510(Pk) |            | 54.98              | 68.23 | -13.25 |
|      | 11510(Av) |            | 42.70              | 68.23 | -25.53 |
|      | 17265(Pk) |            | No Harmonics Found |       |        |
|      | 17265(Av) |            |                    |       |        |
| 5795 | 5795(Pk)  | Vertical   | 109.90             | -     | -      |
|      | 5795(Av)  |            | 93.87              | -     | -      |
|      | 11590(Pk) |            | 62.14              | 68.23 | -6.09  |
|      | 11590(Av) |            | 48.03              | 68.23 | -20.20 |
|      | 17385(Pk) |            | No Harmonics Found |       |        |
|      | 17385(Av) |            |                    |       |        |
|      | 5795(Pk)  | Horizontal | 95.34              | -     | -      |
|      | 5795(Av)  |            | 79.40              | -     | -      |
|      | 11590(Pk) |            | 55.22              | 68.23 | -13.01 |
|      | 11590(Av) |            | 42.46              | 68.23 | -25.77 |
|      | 17385(Pk) |            | No Harmonics Found |       |        |
|      | 17385(Av) |            |                    |       |        |

**Note:**

\* :- Indicate restricted band frequency in 15.205

Pk: Peak Detector; Av: Average Detector

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**Modulation:** 802.11ac \_ VHT 20MHz

**Data rate:** MCS0

| Channel Frequency (MHz) | Frequency (MHz) | Polarization | Emission (dBμV/m)  | Limit (dBm) | Margin (dB) |
|-------------------------|-----------------|--------------|--------------------|-------------|-------------|
| 5180                    | 5150 (Pk)       | Vertical     | 71.45              | 74.00*      | -2.55       |
|                         | 5150 (Av)       |              | 52.11              | 54.00*      | -1.89       |
|                         | 5180 (Pk)       |              | 110.29             | -           | -           |
|                         | 5180 (Av)       |              | 100.10             | -           | -           |
|                         | 10360 (Pk)      |              | 51.77              | 68.23       | -16.46      |
|                         | 10360 (Av)      |              | 39.26              | 68.23       | -28.97      |
|                         | 15540(Pk)       |              | No Harmonics Found |             |             |
|                         | 15540(Pk)       |              |                    |             |             |
|                         | 5150 (Pk)       | Horizontal   | 65.57              | 74.00*      | -8.43       |
|                         | 5150 (Av)       |              | 46.34              | 54.00*      | -7.66       |
|                         | 5180 (Pk)       |              | 104.06             | -           | -           |
|                         | 5180 (Av)       |              | 93.76              | -           | -           |
|                         | 10360 (Pk)      |              | 51.63              | 68.23       | -16.60      |
|                         | 10360 (Av)      |              | 39.26              | 68.23       | -28.97      |
|                         | 15540(Pk)       |              | No Harmonics Found |             |             |
|                         | 15540(Av)       |              |                    |             |             |
| 5240                    | 5240 (Pk)       | Vertical     | 110.39             | -           | -           |
|                         | 5240 (Av)       |              | 100.19             | -           | -           |
|                         | 5350 (Pk)       |              | 49.59              | 74.00*      | -24.41      |
|                         | 5350 (Av)       |              | 37.81              | 54.00*      | -16.19      |
|                         | 10480 (Pk)      |              | 52.15              | 68.23       | -16.08      |
|                         | 10480 (Av)      |              | 39.97              | 68.23       | -28.26      |
|                         | 15720 (Pk)      |              | No Harmonics Found |             |             |
|                         | 15720 (Av)      |              |                    |             |             |
|                         | 5240 (Pk)       | Horizontal   | 102.79             | -           | -           |
|                         | 5240 (Av)       |              | 92.44              | -           | -           |
|                         | 5350 (Pk)       |              | 44.27              | 74.00*      | -29.73      |
|                         | 5350 (Av)       |              | 31.57              | 54.00*      | -22.43      |
|                         | 10480 (Pk)      |              | 52.12              | 68.23       | -16.11      |
|                         | 10480 (Av)      |              | 40.00              | 68.23       | -28.23      |
|                         | 15720 (Pk)      |              | No Harmonics Found |             |             |
|                         | 15720 (Av)      |              |                    |             |             |

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|------|------------|------------|--------------------|--------|--------|
| 5745 | 5715(Pk)   | Vertical   | 61.66              | 74.00* | -12.34 |
|      | 5725(Pk)   |            | 65.78              | 74.00* | -8.22  |
|      | 5745 (Pk)  |            | 106.69             | -      | -      |
|      | 5745 (Av)  |            | 96.37              | -      | -      |
|      | 11490 (Pk) |            | 59.58              | 68.23  | -8.65  |
|      | 11490 (Av) |            | 47.45              | 68.23  | -20.78 |
|      | 17235 (Pk) |            | No Harmonics Found |        |        |
|      | 17235 (Av) |            |                    |        |        |
|      | 5715(Pk)   | Horizontal | 49.53              | 74.00* | -24.47 |
|      | 5725(Pk)   |            | 57.02              | 74.00* | -16.98 |
|      | 5745 (Pk)  |            | 95.45              | -      | -      |
|      | 5745 (Av)  |            | 85.31              | -      | -      |
|      | 11490 (Pk) |            | 54.94              | 68.23  | -13.29 |
|      | 11490 (Av) |            | 42.81              | 68.23  | -25.42 |
|      | 17235 (Pk) |            | No Harmonics Found |        |        |
|      | 17235 (Av) |            |                    |        |        |
| 5825 | 5825 (Pk)  | Vertical   | 109.08             | -      | -      |
|      | 5825 (Av)  |            | 99.08              | -      | -      |
|      | 5850 (Pk)  |            | 68.46              | 74.00* | -5.54  |
|      | 5850 (Av)  |            | 51.13              | 54.00* | -2.87  |
|      | 11650 (Pk) |            | 63.51              | 68.23  | -4.72  |
|      | 11650 (Av) |            | 49.20              | 68.23  | -19.03 |
|      | 17475 (Pk) |            | No Harmonics Found |        |        |
|      | 17475 (Av) |            |                    |        |        |
|      | 5825 (Pk)  | Horizontal | 99.66              | -      | -      |
|      | 5825 (Av)  |            | 88.69              | -      | -      |
|      | 5850 (Pk)  |            | 58.34              | 74.00* | -15.66 |
|      | 5850 (Av)  |            | 40.80              | 54.00* | -13.20 |
|      | 11650 (Pk) |            | 55.25              | 68.23  | -12.98 |
|      | 11650 (Av) |            | 42.57              | 68.23  | -25.66 |
|      | 17475 (Pk) |            | No Harmonics Found |        |        |
|      | 17475 (Av) |            |                    |        |        |

**Note:**

\* :- Indicate restricted band frequency in 15.205

Pk: Peak Detector; Av: Average Detector

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**Modulation:** 802.11ac \_ VHT 20MHz

**Data rate:** MCS8

| Channel Frequency (MHz) | Frequency (MHz) | Polarization | Emission (dBµV/m)  | Limit (dBm) | Margin (dB) |
|-------------------------|-----------------|--------------|--------------------|-------------|-------------|
| 5180                    | 5150 (Pk)       | Vertical     | 67.24              | 74.00*      | -6.76       |
|                         | 5150 (Av)       |              | 42.39              | 54.00*      | -11.61      |
|                         | 5180 (Pk)       |              | 108.89             | -           | -           |
|                         | 5180 (Av)       |              | 93.95              | -           | -           |
|                         | 10360 (Pk)      |              | 51.07              | 68.23       | -17.16      |
|                         | 10360 (Av)      |              | 39.25              | 68.23       | -28.98      |
|                         | 15540(Pk)       |              | No Harmonics Found |             |             |
|                         | 15540(Pk)       |              |                    |             |             |
|                         | 5150 (Pk)       | Horizontal   | 56.94              | 74.00*      | -17.06      |
|                         | 5150 (Av)       |              | 36.09              | 54.00*      | -17.91      |
|                         | 5180 (Pk)       |              | 101.74             | -           | -           |
|                         | 5180 (Av)       |              | 86.63              | -           | -           |
|                         | 10360 (Pk)      |              | 51.49              | 68.23       | -16.74      |
|                         | 10360 (Av)      |              | 39.22              | 68.23       | -29.01      |
|                         | 15540(Pk)       |              | No Harmonics Found |             |             |
|                         | 15540(Av)       |              |                    |             |             |
| 5240                    | 5240 (Pk)       | Vertical     | 108.42             | -           | -           |
|                         | 5240 (Av)       |              | 93.35              | -           | -           |
|                         | 5350 (Pk)       |              | 45.73              | 74.00*      | -28.27      |
|                         | 5350 (Av)       |              | 33.04              | 54.00*      | -20.96      |
|                         | 10480 (Pk)      |              | 51.65              | 68.23       | -16.58      |
|                         | 10480 (Av)      |              | 39.98              | 68.23       | -28.25      |
|                         | 15720 (Pk)      |              | No Harmonics Found |             |             |
|                         | 15720 (Av)      |              |                    |             |             |
|                         | 5240 (Pk)       | Horizontal   | 100.53             | -           | -           |
|                         | 5240 (Av)       |              | 85.60              | -           | -           |
|                         | 5350 (Pk)       |              | 43.93              | 74.00*      | -30.07      |
|                         | 5350 (Av)       |              | 30.85              | 54.00*      | -23.15      |
|                         | 10480 (Pk)      |              | 52.40              | 68.23       | -15.83      |
|                         | 10480 (Av)      |              | 39.93              | 68.23       | -28.30      |
|                         | 15720 (Pk)      |              | No Harmonics Found |             |             |
|                         | 15720 (Av)      |              |                    |             |             |

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|      |            |            |                    |        |        |
|------|------------|------------|--------------------|--------|--------|
| 5745 | 5715(Pk)   | Vertical   | 67.39              | 74.00* | -6.61  |
|      | 5725(Pk)   |            | 70.77              | 74.00* | -3.23  |
|      | 5745 (Pk)  |            | 109.07             | -      | -      |
|      | 5745 (Av)  |            | 94.06              | -      | -      |
|      | 11490 (Pk) |            | 59.61              | 68.23  | -8.62  |
|      | 11490 (Av) |            | 47.05              | 68.23  | -21.18 |
|      | 17235 (Pk) |            | No Harmonics Found |        |        |
|      | 17235 (Av) |            |                    |        |        |
|      | 5715(Pk)   | Horizontal | 52.41              | 74.00* | -21.59 |
|      | 5725(Pk)   |            | 56.85              | 74.00* | -17.15 |
|      | 5745 (Pk)  |            | 96.39              | -      | -      |
|      | 5745 (Av)  |            | 81.25              | -      | -      |
|      | 11490 (Pk) |            | 56.12              | 68.23  | -12.11 |
|      | 11490 (Av) |            | 43.03              | 68.23  | -25.20 |
|      | 17235 (Pk) |            | No Harmonics Found |        |        |
|      | 17235 (Av) |            |                    |        |        |
| 5825 | 5825 (Pk)  | Vertical   | 111.43             | -      | -      |
|      | 5825 (Av)  |            | 96.31              | -      | -      |
|      | 5850 (Pk)  |            | 70.06              | 74.00* | -3.94  |
|      | 5850 (Av)  |            | 46.78              | 54.00* | -7.22  |
|      | 11650 (Pk) |            | 58.26              | 68.23  | -9.97  |
|      | 11650 (Av) |            | 44.31              | 68.23  | -23.92 |
|      | 17475 (Pk) |            | No Harmonics Found |        |        |
|      | 17475 (Av) |            |                    |        |        |
|      | 5825 (Pk)  | Horizontal | 98.87              | -      | -      |
|      | 5825 (Av)  |            | 84.02              | -      | -      |
|      | 5850 (Pk)  |            | 58.89              | 74.00* | -15.11 |
|      | 5850 (Av)  |            | 36.91              | 54.00* | -17.09 |
|      | 11650 (Pk) |            | 54.48              | 68.23  | -13.75 |
|      | 11650 (Av) |            | 42.43              | 68.23  | -25.80 |
|      | 17475 (Pk) |            | No Harmonics Found |        |        |
|      | 17475 (Av) |            |                    |        |        |

**Note:**

\* :- Indicate restricted band frequency in 15.205

Pk: Peak Detector; Av: Average Detector

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**Modulation:** 802.11ac \_ VHT 40MHz  
**Data rate:** MCS0

| Channel Frequency (MHz) | Frequency (MHz) | Polarization | Emission (dBμV/m)  | Limit (dBm) | Margin (dB) |
|-------------------------|-----------------|--------------|--------------------|-------------|-------------|
| 5190                    | 5150 (Pk)       | Vertical     | 67.02              | 74.00*      | -6.98       |
|                         | 5150 (Av)       |              | 52.77              | 54.00*      | -1.23       |
|                         | 5190 (Pk)       |              | 107.00             | -           | -           |
|                         | 5190 (Av)       |              | 95.99              | -           | -           |
|                         | 10380 (Pk)      |              | 51.97              | 68.23       | -16.26      |
|                         | 10380 (Av)      |              | 39.39              | 68.23       | -28.84      |
|                         | 15570 (Pk)      |              | No Harmonics Found |             |             |
|                         | 15570 (Av)      |              |                    |             |             |
|                         | 5150 (Pk)       | Horizontal   | 62.27              | 74.00*      | -11.73      |
|                         | 5150 (Av)       |              | 46.58              | 54.00*      | -7.42       |
|                         | 5190 (Pk)       |              | 99.31              | -           | -           |
|                         | 5190 (Av)       |              | 88.34              | -           | -           |
|                         | 10380 (Pk)      |              | 51.16              | 68.23       | -17.07      |
|                         | 10380 (Av)      |              | 39.51              | 68.23       | -28.72      |
|                         | 15570 (Pk)      |              | No Harmonics Found |             |             |
|                         | 15570 (Av)      |              |                    |             |             |
| 5230                    | 5230 (Pk)       | Vertical     | 108.34             | -           | -           |
|                         | 5230 (Av)       |              | 96.88              | -           | -           |
|                         | 5350 (Pk)       |              | 56.91              | 74.00*      | -17.09      |
|                         | 5350 (Av)       |              | 41.78              | 54.00*      | -12.22      |
|                         | 10460 (Pk)      |              | 52.34              | 68.23       | -15.89      |
|                         | 10460 (Av)      |              | 39.97              | 68.23       | -28.26      |
|                         | 15690 (Pk)      |              | No Harmonics Found |             |             |
|                         | 15690 (Av)      |              |                    |             |             |
|                         | 5230 (Pk)       | Horizontal   | 100.19             | -           | -           |
|                         | 5230 (Av)       |              | 89.34              | -           | -           |
|                         | 5350 (Pk)       |              | 47.75              | 74.00*      | -26.25      |
|                         | 5350 (Av)       |              | 34.21              | 54.00*      | -19.79      |
|                         | 10460 (Pk)      |              | 52.10              | 68.23       | -16.13      |
|                         | 10460 (Av)      |              | 40.05              | 68.23       | -28.18      |
|                         | 15690 (Pk)      |              | No Harmonics Found |             |             |
|                         | 15690 (Av)      |              |                    |             |             |

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|      |           |            |                    |       |        |
|------|-----------|------------|--------------------|-------|--------|
| 5755 | 5755(Pk)  | Vertical   | 110.32             | -     | -      |
|      | 5755(Av)  |            | 99.03              | -     | -      |
|      | 11510(Pk) |            | 66.40              | 68.23 | -1.83  |
|      | 11510(Av) |            | 51.27              | 68.23 | -16.96 |
|      | 17265(Pk) |            | No Harmonics Found |       |        |
|      | 17265(Av) |            |                    |       |        |
|      | 5755(Pk)  | Horizontal | 94.65              | -     | -      |
|      | 5755(Av)  |            | 83.48              | -     | -      |
|      | 11510(Pk) |            | 54.66              | 68.23 | -13.57 |
|      | 11510(Av) |            | 42.69              | 68.23 | -25.54 |
|      | 17265(Pk) |            | No Harmonics Found |       |        |
|      | 17265(Av) |            |                    |       |        |
| 5795 | 5795(Pk)  | Vertical   | 110.13             | -     | -      |
|      | 5795(Av)  |            | 99.08              | -     | -      |
|      | 11590(Pk) |            | 63.01              | 68.23 | -5.22  |
|      | 11590(Av) |            | 49.96              | 68.23 | -18.27 |
|      | 17385(Pk) |            | No Harmonics Found |       |        |
|      | 17385(Av) |            |                    |       |        |
|      | 5795(Pk)  | Horizontal | 95.83              | -     | -      |
|      | 5795(Av)  |            | 84.81              | -     | -      |
|      | 11590(Pk) |            | 54.47              | 68.23 | -13.76 |
|      | 11590(Av) |            | 42.49              | 68.23 | -25.74 |
|      | 17385(Pk) |            | No Harmonics Found |       |        |
|      | 17385(Av) |            |                    |       |        |

**Note:**

\* :- Indicate restricted band frequency in 15.205

Pk: Peak Detector; Av: Average Detector

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**Modulation:** 802.11ac \_ VHT 40MHz

**Data rate:** MCS9

| Channel Frequency (MHz) | Frequency (MHz) | Polarization | Emission (dBμV/m)  | Limit (dBm) | Margin (dB) |
|-------------------------|-----------------|--------------|--------------------|-------------|-------------|
| 5190                    | 5150 (Pk)       | Vertical     | 61.64              | 74.00*      | -12.36      |
|                         | 5150 (Av)       |              | 43.65              | 54.00*      | -10.35      |
|                         | 5190 (Pk)       |              | 105.00             | -           | -           |
|                         | 5190 (Av)       |              | 87.51              | -           | -           |
|                         | 10380 (Pk)      |              | 51.09              | 68.23       | -17.14      |
|                         | 10380 (Av)      |              | 39.37              | 68.23       | -28.86      |
|                         | 15570 (Pk)      |              | No Harmonics Found |             |             |
|                         | 15570 (Av)      |              |                    |             |             |
|                         | 5150 (Pk)       | Horizontal   | 54.00              | 74.00*      | -20.00      |
|                         | 5150 (Av)       |              | 36.76              | 54.00*      | -17.24      |
|                         | 5190 (Pk)       |              | 96.47              | -           | -           |
|                         | 5190 (Av)       |              | 79.67              | -           | -           |
|                         | 10380 (Pk)      |              | 52.19              | 68.23       | -16.04      |
|                         | 10380 (Av)      |              | 39.45              | 68.23       | -28.78      |
|                         | 15570 (Pk)      |              | No Harmonics Found |             |             |
|                         | 15570 (Av)      |              |                    |             |             |
| 5230                    | 5230 (Pk)       | Vertical     | 104.58             | -           | -           |
|                         | 5230 (Av)       |              | 86.57              | -           | -           |
|                         | 5350 (Pk)       |              | 49.85              | 74.00*      | -24.15      |
|                         | 5350 (Av)       |              | 34.91              | 54.00*      | -19.09      |
|                         | 10460 (Pk)      |              | 52.16              | 68.23       | -16.07      |
|                         | 10460 (Av)      |              | 39.93              | 68.23       | -28.30      |
|                         | 15690 (Pk)      |              | No Harmonics Found |             |             |
|                         | 15690 (Av)      |              |                    |             |             |
|                         | 5230 (Pk)       | Horizontal   | 96.70              | -           | -           |
|                         | 5230 (Av)       |              | 78.74              | -           | -           |
|                         | 5350 (Pk)       |              | 43.77              | 74.00*      | -30.23      |
|                         | 5350 (Av)       |              | 31.10              | 54.00*      | -22.90      |
|                         | 10460 (Pk)      |              | 51.92              | 68.23       | -16.31      |
|                         | 10460 (Av)      |              | 39.98              | 68.23       | -28.25      |
|                         | 15690 (Pk)      |              | No Harmonics Found |             |             |
|                         | 15690 (Av)      |              |                    |             |             |

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|      |           |            |                    |       |        |
|------|-----------|------------|--------------------|-------|--------|
| 5755 | 5755(Pk)  | Vertical   | 108.47             | -     | -      |
|      | 5755(Av)  |            | 90.60              | -     | -      |
|      | 11510(Pk) |            | 59.79              | 68.23 | -8.44  |
|      | 11510(Av) |            | 46.86              | 68.23 | -21.37 |
|      | 17265(Pk) |            | No Harmonics Found |       |        |
|      | 17265(Av) |            |                    |       |        |
|      | 5755(Pk)  | Horizontal | 93.26              | -     | -      |
|      | 5755(Av)  |            | 75.44              | -     | -      |
|      | 11510(Pk) |            | 54.86              | 68.23 | -13.37 |
|      | 11510(Av) |            | 42.65              | 68.23 | -25.58 |
|      | 17265(Pk) |            | No Harmonics Found |       |        |
|      | 17265(Av) |            |                    |       |        |
| 5795 | 5795(Pk)  | Vertical   | 108.69             | -     | -      |
|      | 5795(Av)  |            | 90.78              | -     | -      |
|      | 11590(Pk) |            | 59.60              | 68.23 | -8.63  |
|      | 11590(Av) |            | 46.27              | 68.23 | -21.96 |
|      | 17385(Pk) |            | No Harmonics Found |       |        |
|      | 17385(Av) |            |                    |       |        |
|      | 5795(Pk)  | Horizontal | 94.10              | -     | -      |
|      | 5795(Av)  |            | 76.35              | -     | -      |
|      | 11590(Pk) |            | 54.78              | 68.23 | -13.45 |
|      | 11590(Av) |            | 42.42              | 68.23 | -25.81 |
|      | 17385(Pk) |            | No Harmonics Found |       |        |
|      | 17385(Av) |            |                    |       |        |

**Note:**

\* :- Indicate restricted band frequency in 15.205

Pk: Peak Detector; Av: Average Detector

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**Modulation:** 802.11ac \_ VHT 80MHz

**Data rate:** MCS0

| Channel Frequency (MHz) | Frequency (MHz) | Polarization | Emission (dBμV/m)  | Limit (dBm) | Margin (dB) |
|-------------------------|-----------------|--------------|--------------------|-------------|-------------|
| 5210                    | 5150 (Pk)       | Vertical     | 67.87              | 74.00*      | -6.13       |
|                         | 5150 (Av)       |              | 53.23              | 54.00*      | -0.77       |
|                         | 5210 (Pk)       |              | 103.95             | -           | -           |
|                         | 5210 (Av)       |              | 91.67              | -           | -           |
|                         | 5350 (Pk)       |              | 58.52              | 74.00*      | -15.48      |
|                         | 5350 (Av)       |              | 43.87              | 54.00*      | -10.13      |
|                         | 10420 (Pk)      |              | 52.17              | 68.23       | -16.06      |
|                         | 10420 (Av)      |              | 39.76              | 68.23       | -28.47      |
|                         | 15630 (Pk)      |              | No Harmonics Found |             |             |
|                         | 15630 (Av)      |              | No Harmonics Found |             |             |
|                         | 5150 (Pk)       | Horizontal   | 60.72              | 74.00*      | -13.28      |
|                         | 5150 (Av)       |              | 45.70              | 54.00*      | -8.30       |
|                         | 5210 (Pk)       |              | 96.79              | -           | -           |
|                         | 5210 (Av)       |              | 84.33              | -           | -           |
|                         | 5350 (Pk)       |              | 49.51              | 74.00*      | -24.49      |
|                         | 5350 (Av)       |              | 35.30              | 54.00*      | -18.70      |
|                         | 10420 (Pk)      |              | 52.52              | 68.23       | -15.71      |
|                         | 10420 (Av)      |              | 39.75              | 68.23       | -28.48      |
|                         | 15630 (Pk)      |              | No Harmonics Found |             |             |
|                         | 15630 (Av)      |              | No Harmonics Found |             |             |
| 5775                    | 5775(Pk)        | Vertical     | 107.81             | -           | -           |
|                         | 5775(Av)        |              | 95.22              | -           | -           |
|                         | 11550(Pk)       |              | 59.01              | 68.23       | -9.22       |
|                         | 11550(Av)       |              | 46.63              | 68.23       | -21.60      |
|                         | 17325(Pk)       | Horizontal   | No Harmonics Found |             |             |
|                         | 17325(Av)       |              | No Harmonics Found |             |             |
|                         | 5775(Pk)        |              | 91.75              | -           | -           |
|                         | 5775(Av)        |              | 79.83              | -           | -           |
|                         | 11550(Pk)       |              | 54.74              | 68.23       | -13.49      |
|                         | 11550(Av)       |              | 42.77              | 68.23       | -25.46      |
|                         | 17325(Pk)       |              | No Harmonics Found |             |             |
|                         | 17325(Av)       |              | No Harmonics Found |             |             |

**Note:**

\* :- Indicate restricted band frequency in 15.205

Pk: Peak Detector; Av: Average Detector

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**Modulation:** 802.11ac \_ VHT 80MHz

**Data rate:** MCS9

| Channel Frequency (MHz) | Frequency (MHz) | Polarization | Emission (dBμV/m)  | Limit (dBm) | Margin (dB) |
|-------------------------|-----------------|--------------|--------------------|-------------|-------------|
| 5210                    | 5150 (Pk)       | Vertical     | 62.63              | 74.00*      | -11.37      |
|                         | 5150 (Av)       |              | 42.97              | 54.00*      | -11.03      |
|                         | 5210 (Pk)       |              | 102.05             | -           | -           |
|                         | 5210 (Av)       |              | 82.87              | -           | -           |
|                         | 5350 (Pk)       |              | 52.05              | 74.00*      | -21.95      |
|                         | 5350 (Av)       |              | 36.55              | 54.00*      | -1.95       |
|                         | 10420 (Pk)      |              | 51.69              | 68.23       | -31.68      |
|                         | 10420 (Av)      |              | 39.75              | 68.23       | -28.48      |
|                         | 15630 (Pk)      |              | No Harmonics Found |             |             |
|                         | 15630 (Av)      |              |                    |             |             |
|                         | 5150 (Pk)       | Horizontal   | 53.31              | 74.00*      | -20.69      |
|                         | 5150 (Av)       |              | 36.30              | 54.00*      | -17.70      |
|                         | 5210 (Pk)       |              | 92.76              | -           | -           |
|                         | 5210 (Av)       |              | 74.00              | -           | -           |
|                         | 5350 (Pk)       |              | 44.81              | 74.00*      | -29.19      |
|                         | 5350 (Av)       |              | 31.66              | 54.00*      | -22.34      |
|                         | 10420 (Pk)      |              | 51.79              | 68.23       | -16.44      |
|                         | 10420 (Av)      |              | 39.78              | 68.23       | -28.45      |
|                         | 15630 (Pk)      |              | No Harmonics Found |             |             |
|                         | 15630 (Av)      |              |                    |             |             |
| 5775                    | 5775(Pk)        | Vertical     | 104.86             | -           | -           |
|                         | 5775(Av)        |              | 86.18              | -           | -           |
|                         | 11550(Pk)       |              | 56.45              | 68.23       | -11.78      |
|                         | 11550(Av)       |              | 43.24              | 68.23       | -24.99      |
|                         | 17325(Pk)       |              | No Harmonics Found |             |             |
|                         | 17325(Av)       |              |                    |             |             |
|                         | 5775(Pk)        | Horizontal   | 89.14              | -           | -           |
|                         | 5775(Av)        |              | 70.48              | -           | -           |
|                         | 11550(Pk)       |              | 54.54              | 68.23       | -13.69      |
|                         | 11550(Av)       |              | 42.73              | 68.23       | -25.50      |
|                         | 17325(Pk)       |              | No Harmonics Found |             |             |
|                         | 17325(Av)       |              |                    |             |             |

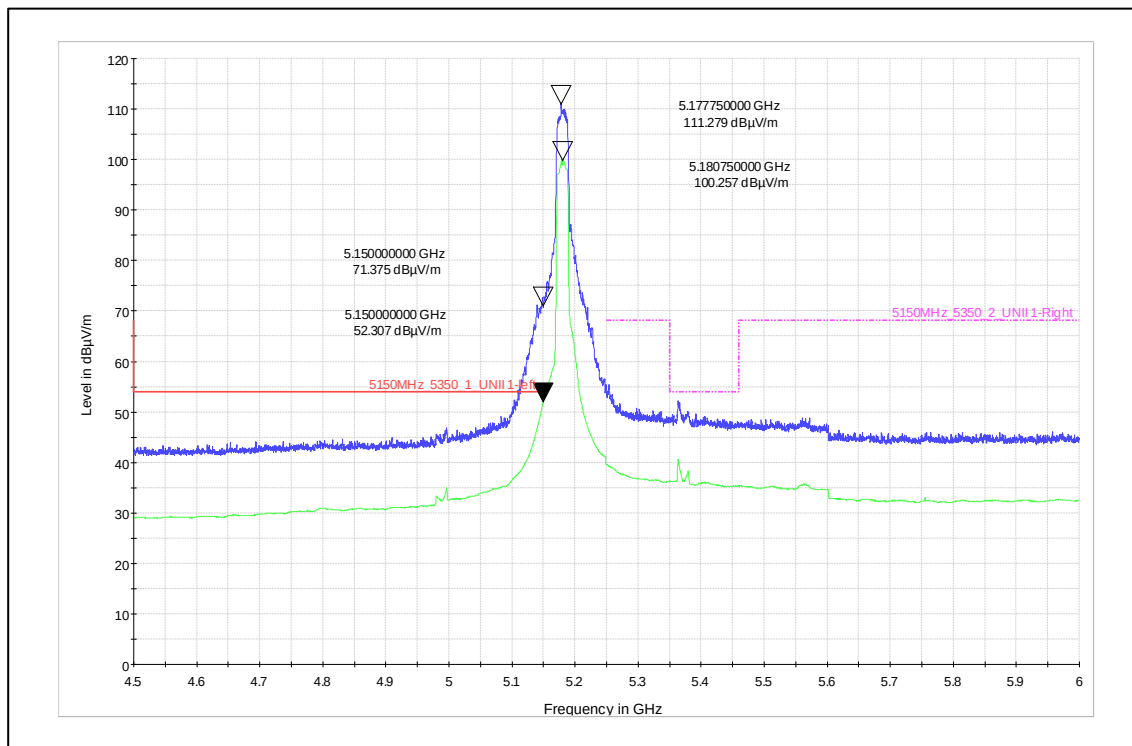
**Note:**

\* :- Indicate restricted band frequency in 15.205

Pk: Peak Detector; Av: Average Detector

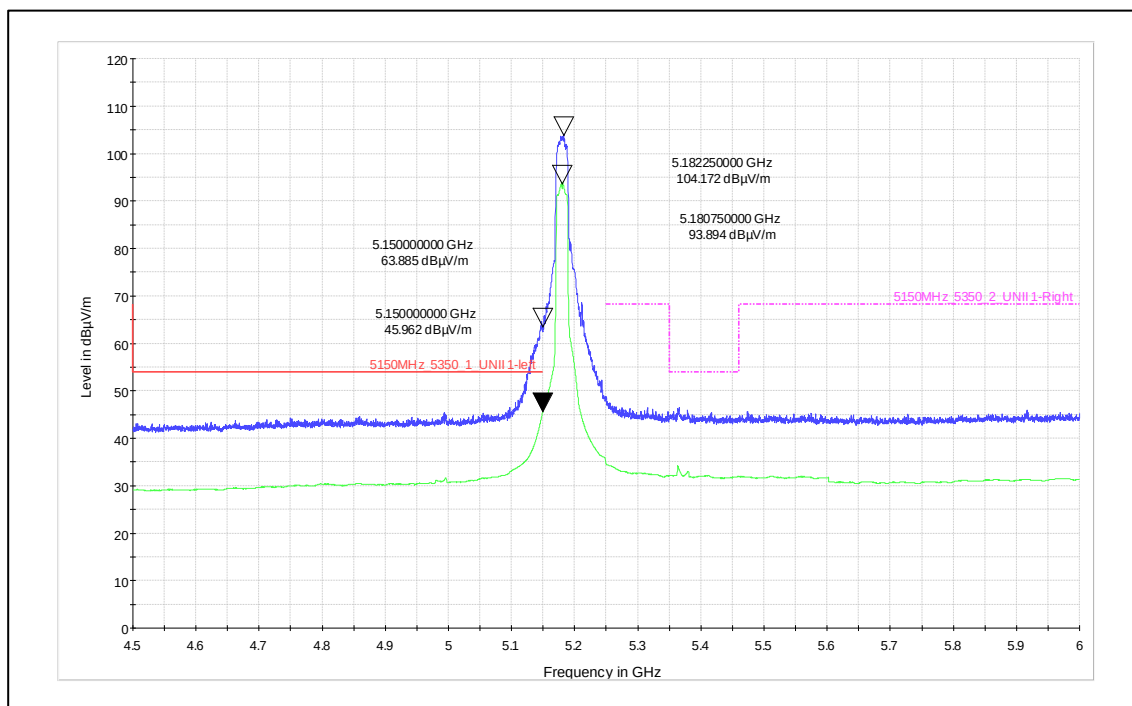
**Worst case emissions for restricted band of operation**

**Modulation:** 802.11n \_ HT 20MHz  
**Data rate:** MCS0



**Channel Frequency: 5180MHz**

**Polarization: Vertical**

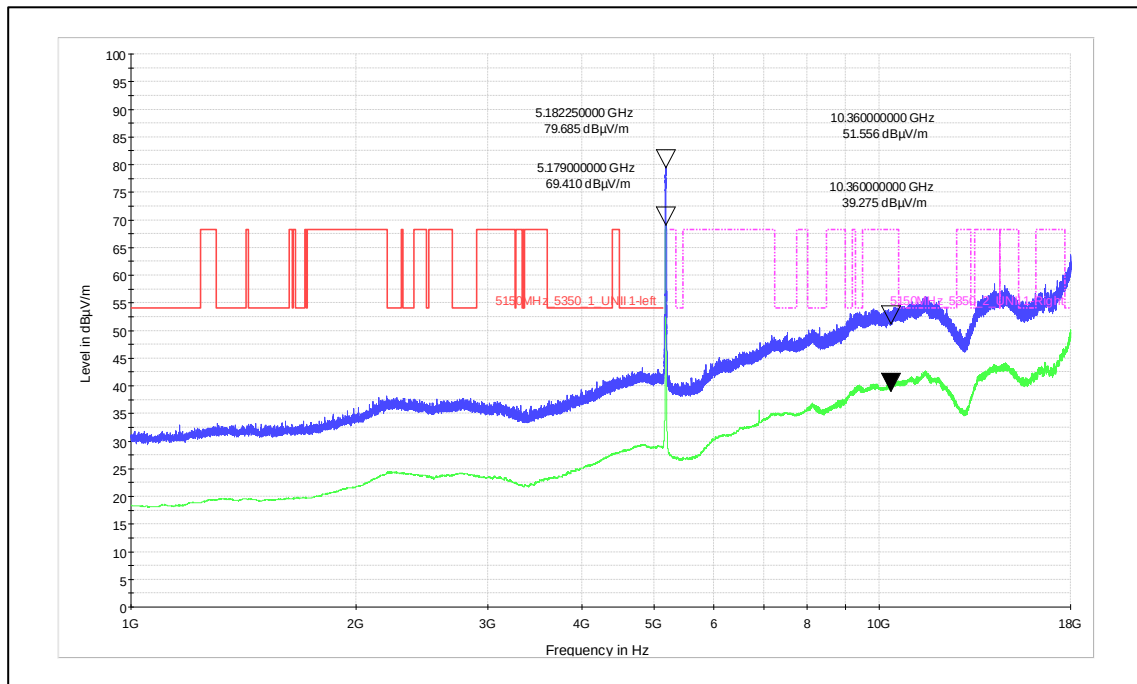


**Channel Frequency: 5180MHz**

**Polarization: Horizontal**

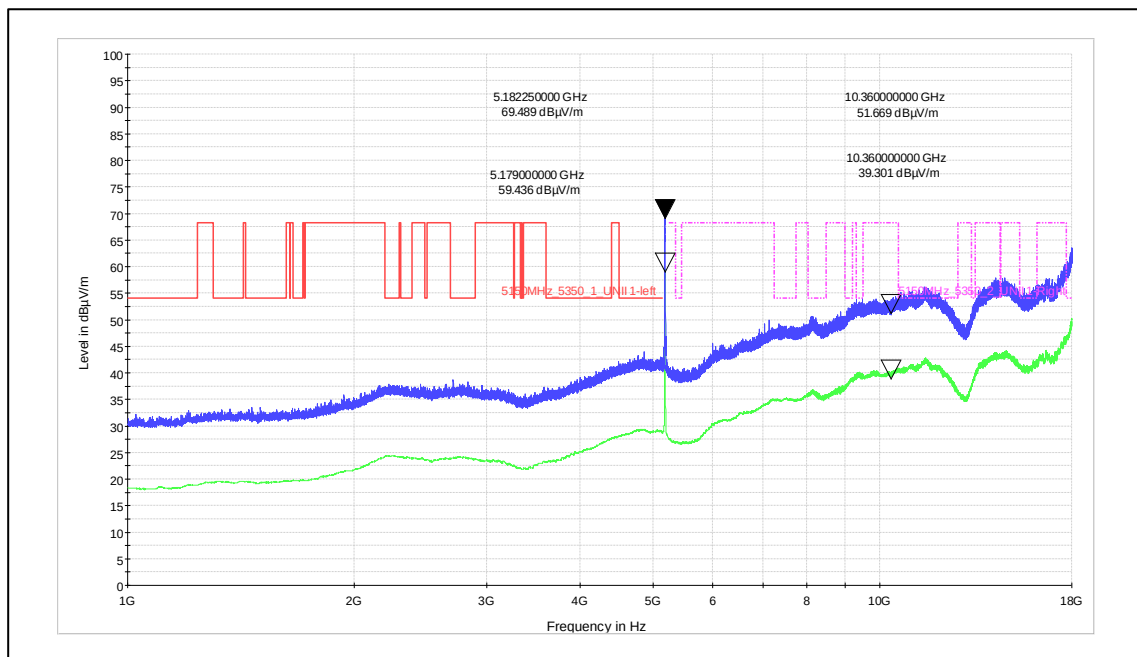
**Worst case emissions for Spurious radiated emissions above 1GHz**

**Modulation:** 802.11n \_ HT 20MHz  
**Data rate:** MCS0  
**Channel Frequency:** 5180MHz



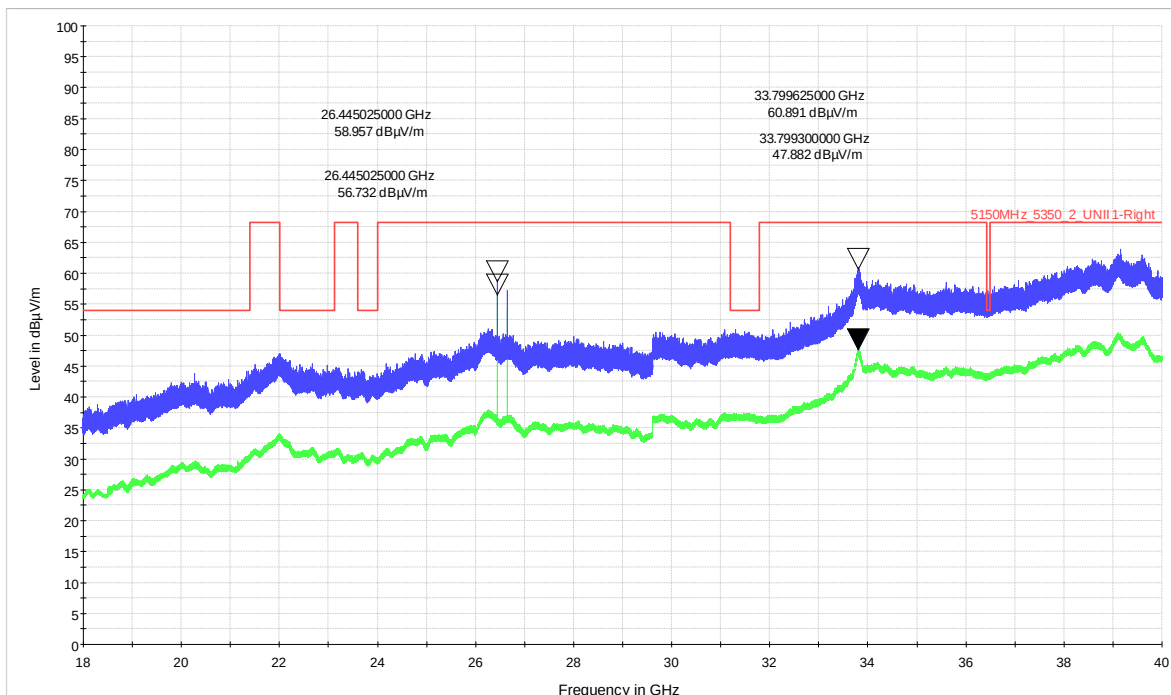
**Frequency Range: 1 to 18GHz**

**Polarization: Vertical**



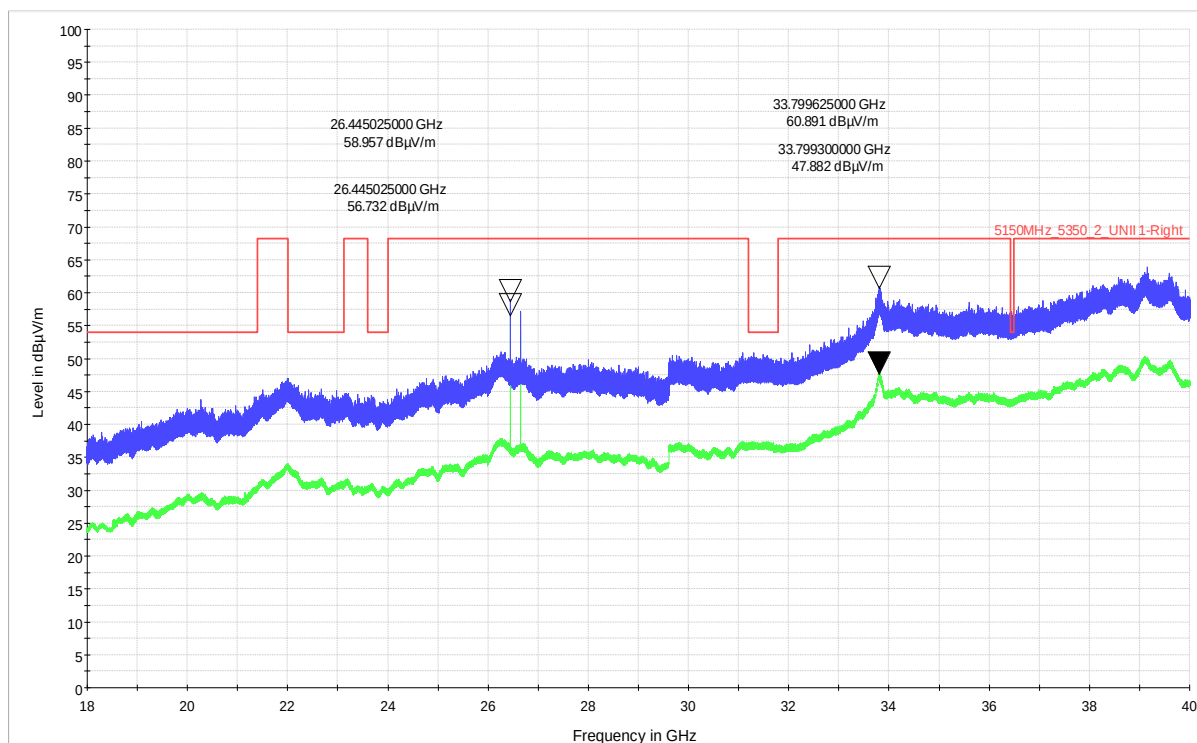
**Frequency Range: 1 to 18GHz**

**Polarization: Horizontal**



**Frequency Range: 18-40GHz**

**Polarization: Vertical**



**Frequency Range: 18-40GHz**

**Polarization: Horizontal**

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#### 8.4.1 RSE Test Results of Simultaneous Operation with Cellular and Non-Cellular:

**Note:** Simultaneous Operation was performed As specified under the section 4.4 and worst case test results are mentionrd in this report.

#### Worst case result for Wifi and WCDMA

**Combination:** WCDMA Band 4 and WiFi

| Antenna Polarization | Measured Frequency (MHz) | Field Strength (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|----------------------|--------------------------|-------------------------|----------------|-------------|
| Vertical             | 1691.5(Pk)               | 84.63                   | -              | -           |
|                      | 1691.5(Ak)               | 76.66                   | -              | -           |
|                      | 2390.0(Pk)               | 64.78                   | 74*            | -9.22       |
|                      | 2390.0(Av)               | 44.45                   | 54*            | -9.55       |
|                      | 2412.0(Pk)               | 72.13                   | -              | -           |
|                      | 2412.0(Av)               | 63.18                   | -              | -           |
|                      | 3391.2(Pk)               | 57.18                   | 74             | -16.82      |
|                      | 3391.2(Av)               | 47.18                   | 54             | -6.82       |
|                      | 4239.0(Pk)               | 47.00                   | 74             | -27.00      |
|                      | 4239.0(AV)               | 35.19                   | 54             | -18.81      |
|                      | 5087.5(Pk)               | 52.92                   | 74             | -21.08      |
|                      | 5087.5(Av)               | 40.53                   | 54             | -13.47      |
| Horizontal           | 1691.5(Pk)               | 90.05                   | -              | -           |
|                      | 1691.5(Av)               | 82.12                   | -              | -           |
|                      | 2390.0(Pk)               | 56.4                    | 74*            | -17.60      |
|                      | 2390.0(Av)               | 38.31                   | 54*            | -15.69      |
|                      | 2412.0(Pk)               | 70.75                   | -              | -           |
|                      | 2412.0(Av)               | 61.83                   | -              | -           |
|                      | 3391.2(Pk)               | 45.62                   | 74             | -28.38      |
|                      | 3391.2(Av)               | 35.33                   | 54             | -18.67      |
|                      | 4824.0(Pk)               | 44.93                   | 74             | -29.07      |
|                      | 4824.0(Av)               | 31.39                   | 54             | -22.61      |

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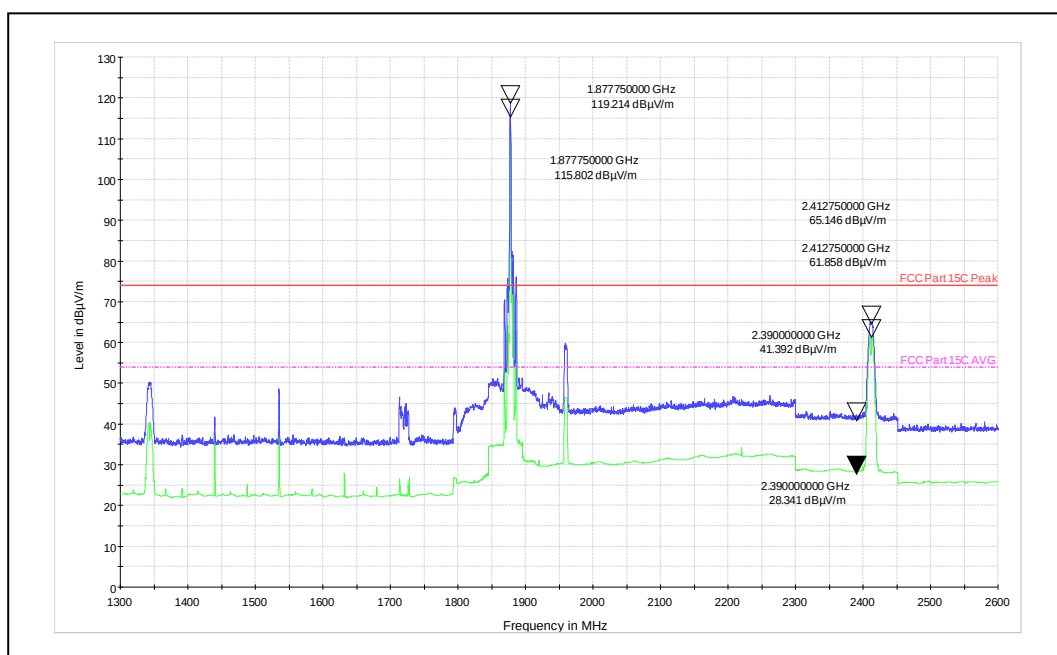
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**Worst case result for Wifi and LTE**

**Combination: LTE Band 2 and WiFi**

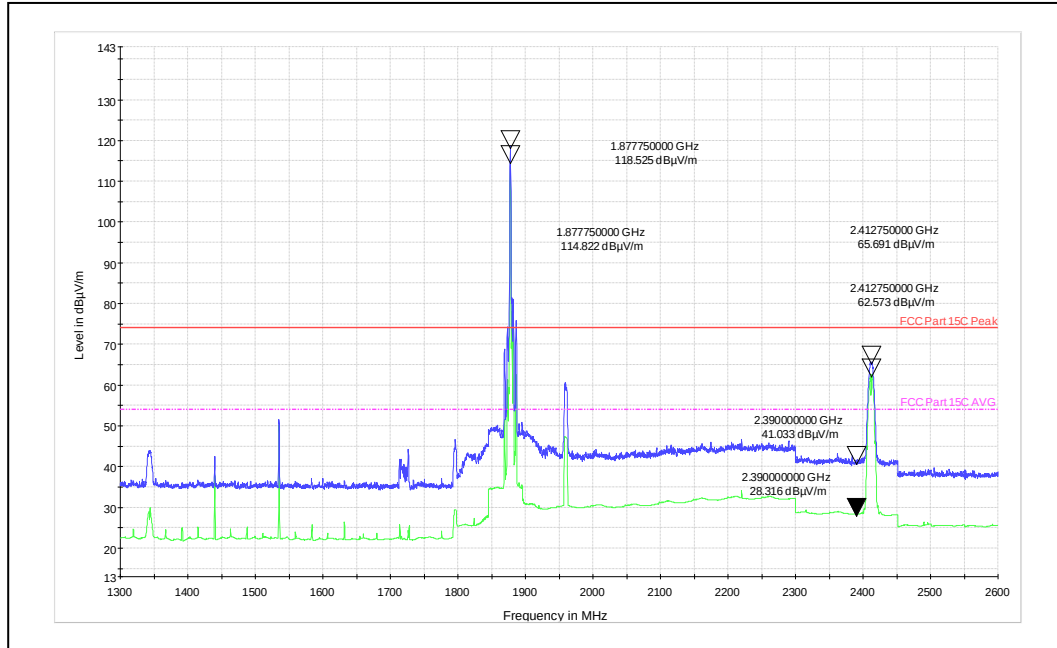
| Antenna Polarization | Measured Frequency (MHz) | Field Strength (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|----------------------|--------------------------|-------------------------|----------------|-------------|
| Vertical             | 1877.7(Pk)               | 119.21                  | -              | -           |
|                      | 1877.7(Av)               | 115.80                  | -              | -           |
|                      | 2390.0(Pk)               | 41.03                   | 74*            | -32.97      |
|                      | 2390.0(Av)               | 28.31                   | 54*            | -25.69      |
|                      | 2412.0(Pk)               | 65.14                   | -              | -           |
|                      | 2412.0(Av)               | 61.85                   | -              | -           |
|                      | 3755.5(Pk)               | 57.18                   | 74             | -16.82      |
|                      | 3755.5(Av)               | 47.18                   | 54             | -6.82       |
|                      | 5633.2(Pk)               | 47.00                   | 74             | -27.00      |
|                      | 5633.2(AV)               | 35.19                   | 54             | -18.81      |
|                      | 5087.5(Pk)               | No harmonics Found      |                |             |
|                      | 5087.5(Av)               |                         |                |             |
| Horizontal           | 1877.7(Pk)               | 118.52                  | -              | -           |
|                      | 1877.7(Av)               | 114.82                  | -              | -           |
|                      | 2390.0(Pk)               | 41.03                   | 74*            | -32.97      |
|                      | 2390.0(Av)               | 28.31                   | 54*            | -25.69      |
|                      | 2412.0(Pk)               | 65.69                   | -              | -           |
|                      | 2412.0(Av)               | 62.57                   | -              | -           |
|                      | 3755.5(Pk)               | 45.62                   | 74             | -28.38      |
|                      | 3755.5(Av)               | 35.33                   | 54             | -18.67      |
|                      | 5633.2(Pk)               | 50.52                   | 74             | -23.48      |
|                      | 5633.2(AV)               | 40.06                   | 54             | -13.94      |

**Worst Case Plots:**

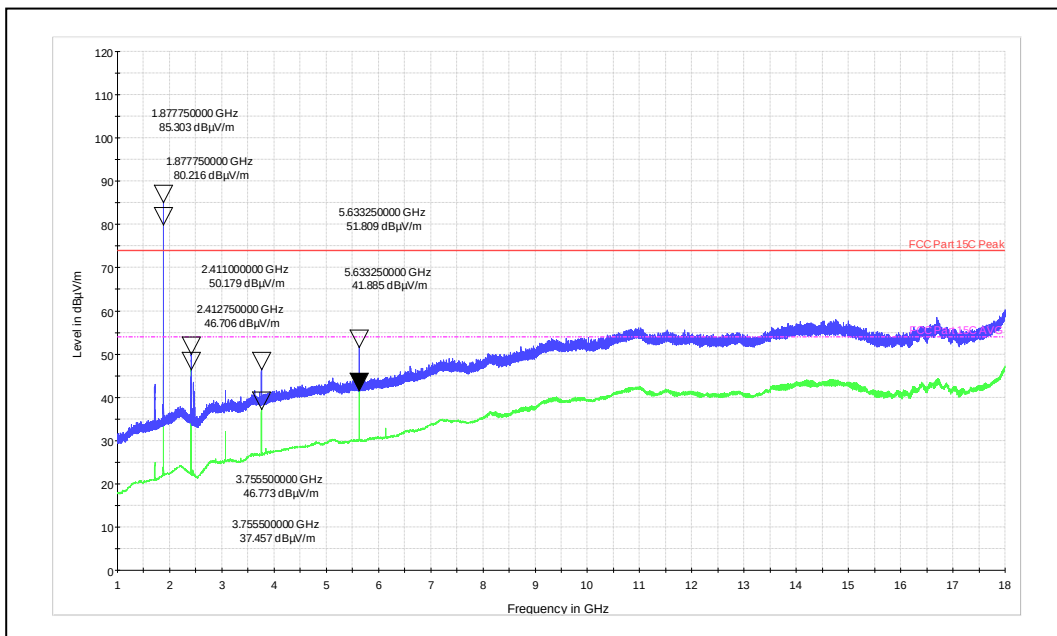


Fundamental Frequency(LTE-1880.0MHz , Wi-Fi 2412MHz)

Polarization: Vertical

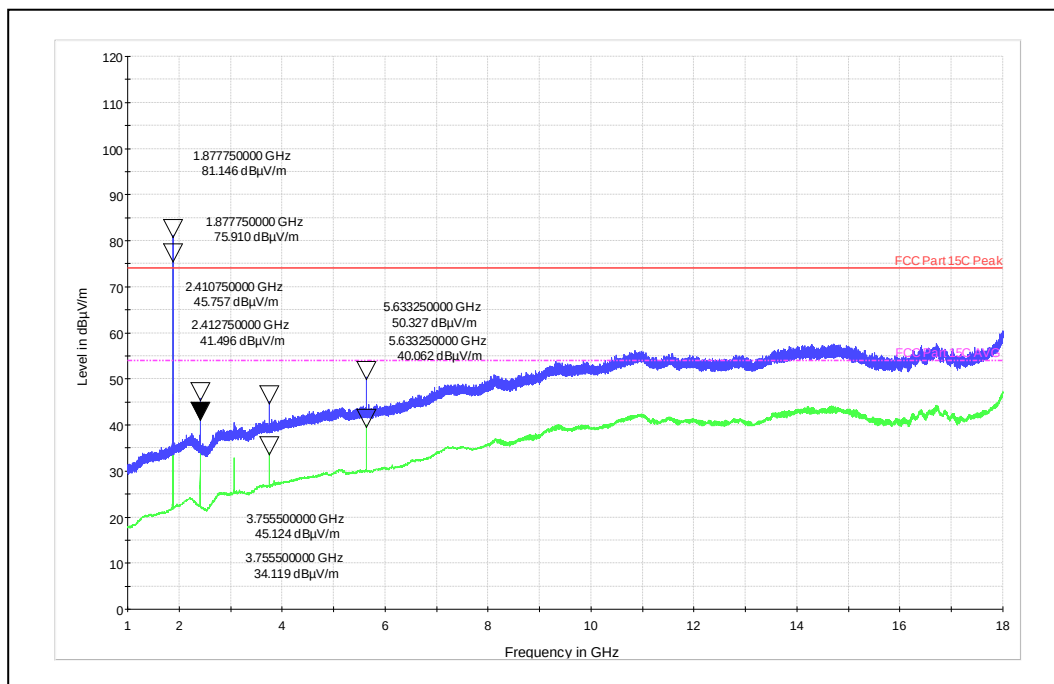


Fundamental Frequency(LTE-1880.0MHz , Wi-Fi 2412MHz) Polarization: Horizontal



Frequency range: 1GHz to 18GHz

Polarization: Vertical



Frequency range: 1GHz to 18GHz

Polarization: Horizontal

## 9 Frequency Stability

### Result

### Pass

Test Specification

FCC part 15 Subpart C 15.407 (g) / RSS Gen Issue 5, Section 8.11

Test Method

Subclause 6.8.1 of ANSI C63.10

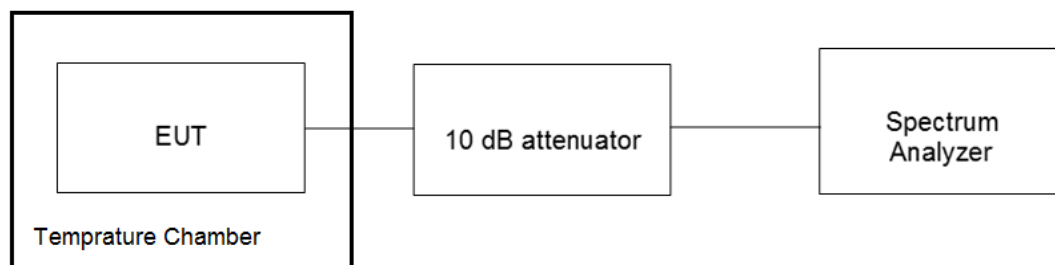
Port of testing

Antenna port

Requirement

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual

### Test Method:



### Test Condition:

#### Normal Test Condition:

Temperature (Norm) = + 24.5 °C

Voltage = Internal Battery + 5.0 V DC

Relative humidity: 63%

### KDB Guidelines applied:

Measurements were made as per section 3 in KDB 789033 D02 General UNII Test Procedures New Rules v02r01

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**Test results:**

| Channel<br>Frequency<br>(MHz) | Temperature | Frequency deviation for different time interval<br>(MHz) |       |       |       | Limit                                                                            |
|-------------------------------|-------------|----------------------------------------------------------|-------|-------|-------|----------------------------------------------------------------------------------|
|                               | (°C)        | 0Min                                                     | 2Min  | 5Min  | 10Min |                                                                                  |
| 5180                          | -10         | 1.57                                                     | -1.50 | -1.16 | -1.83 | Emission drift<br>measured are<br>maintained<br>within the<br>authorised<br>band |
|                               | 25          | -1.06                                                    | -1.07 | 1.48  | -1.20 |                                                                                  |
|                               | 50          | -0.29                                                    | 1.14  | -1.12 | -1.01 |                                                                                  |
| 5240                          | -10         | -1.19                                                    | -1.26 | 0.10  | -1.89 |                                                                                  |
|                               | 25          | -2.55                                                    | 1.49  | -1.83 | 1.87  |                                                                                  |
|                               | 50          | 1.57                                                     | -2.07 | 1.17  | -0.97 |                                                                                  |
| 5745                          | -10         | 1.05                                                     | -1.18 | -1.07 | -1.59 |                                                                                  |
|                               | 25          | -2.09                                                    | -0.92 | -1.55 | 1.85  |                                                                                  |
|                               | 50          | 1.23                                                     | -1.86 | -1.28 | -1.10 |                                                                                  |
| 5825                          | -10         | 0.95                                                     | -0.97 | 1.97  | -0.28 |                                                                                  |
|                               | 25          | -1.12                                                    | -0.96 | -1.95 | -1.43 |                                                                                  |
|                               | 50          | 2.04                                                     | -1.3  | -0.75 | -1.04 |                                                                                  |

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## 10 Conducted Spurious Emission test on AC Power Line

**Result**

**Pass**

Test Specification : FCC Part 15 Section 15.207 / RSS Gen Issue 5 Section 8.8  
Test Method : ANSI C 63.10-2013  
Testing Location : Screened room  
Measurement Bandwidth : 9kHz  
Frequency Range : 150kHz – 30MHz  
Supply Voltage : 110VAC,60Hz  
Test Method : Refer TEST METHODOLOGY

**\*Note: The product has tested with AC to DC adapter and Wireless Qi charger**

**Limits of section 15.207**

| Frequency of emission<br>(MHz) | QP Limit<br>(dB $\mu$ V) | AV Limit<br>(dB $\mu$ V/m) |
|--------------------------------|--------------------------|----------------------------|
| 0.15 – 0.5                     | 66 – 56*                 | 56 – 46*                   |
| 0.5 – 5                        | 56                       | 46                         |
| 5 – 30                         | 60                       | 50                         |

\* Decreases with the logarithm of the frequency

**Test Conditions:**

Normal Temperature = +24°C      Voltage (V norm) = 110V AC (5.0V DC through AC to DC Adapter)

RH = 64 %

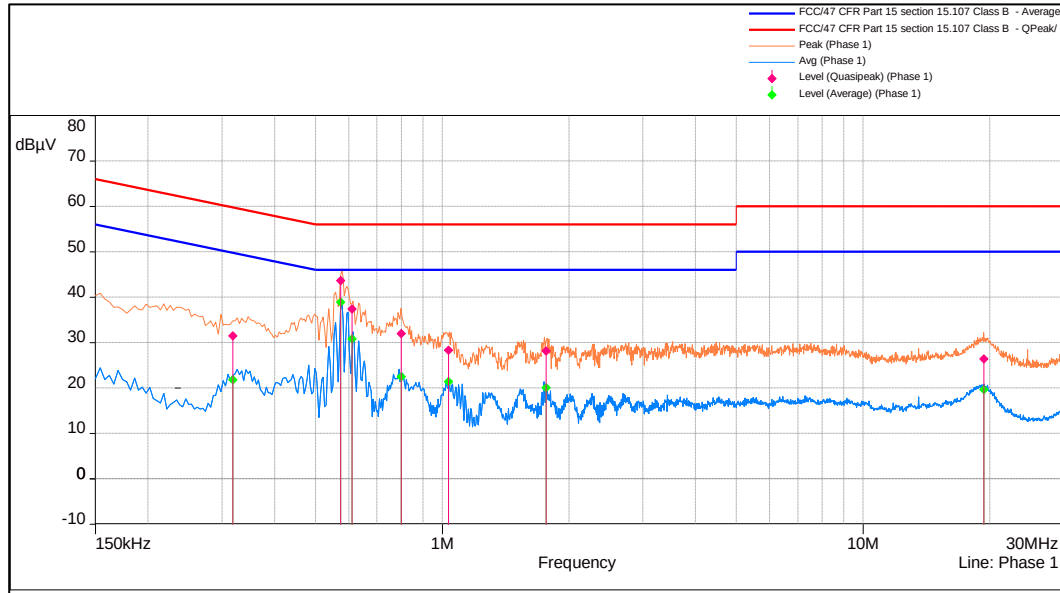
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**Test result:**

**Power: 110V 60HZ\_LINE**



**Line Graph**

| Quasipeak (15)  |    |              |              |             |         |                |     |           |          |                 |
|-----------------|----|--------------|--------------|-------------|---------|----------------|-----|-----------|----------|-----------------|
| Frequency (MHz) | SR | Level (dBμV) | Limit (dBμV) | Margin (dB) | Pos     | Measuring time | RBW | Meas Time | Comments | Correction (dB) |
| 0.57515         | 1  | 43.67        | 56           | -12.33      | Phase 1 | 1              | 9k  | 0.02      | Pass     | 20.22           |
| 0.61195         | 1  | 37.43        | 56           | -18.57      | Phase 1 | 1              | 9k  | 0.02      | Pass     | 20.28           |
| 0.7962          | 1  | 31.98        | 56           | -24.02      | Phase 1 | 1              | 9k  | 0.02      | Pass     | 20.61           |
| 1.03435         | 1  | 28.37        | 56           | -27.63      | Phase 1 | 1              | 9k  | 0.02      | Pass     | 20.42           |
| 1.76485         | 1  | 28.2         | 56           | -27.8       | Phase 1 | 1              | 9k  | 0.02      | Pass     | 20.48           |
| 0.3187          | 1  | 31.48        | 59.76        | -28.28      | Phase 1 | 1              | 9k  | 0.02      | Pass     | 20.06           |
| 19.33855        | 1  | 26.43        | 60           | -33.57      | Phase 1 | 1              | 9k  | 0.02      | Pass     | 20.2            |

**Line Table**

**Prüfbericht - Nr.:**  
Test Report No.:

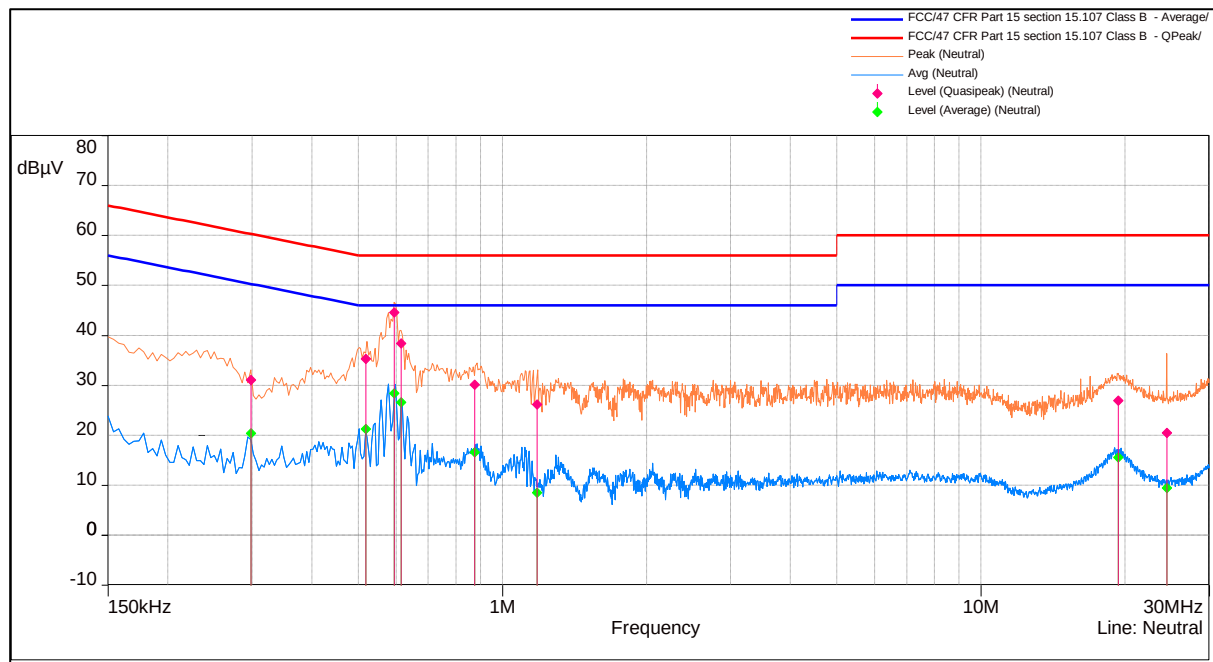
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| Average (15)    |     |              |              |             |         |                |     |            |          |                 |
|-----------------|-----|--------------|--------------|-------------|---------|----------------|-----|------------|----------|-----------------|
| Frequency (MHz) | S R | Level (dBμV) | Limit (dBμV) | Margin (dB) | Pos     | Measuring time | RBW | Meas. Time | Comments | Correction (dB) |
| 0.57515         | 1   | 38.96        | 46           | -7.04       | Phase 1 | 1              | 9k  | 0.02       | Pass     | 20.22           |
| 0.61195         | 1   | 30.86        | 46           | -15.14      | Phase 1 | 1              | 9k  | 0.02       | Pass     | 20.28           |
| 0.7962          | 1   | 22.48        | 46           | -23.52      | Phase 1 | 1              | 9k  | 0.02       | Pass     | 20.61           |
| 1.03435         | 1   | 21.44        | 46           | -24.56      | Phase 1 | 1              | 9k  | 0.02       | Pass     | 20.42           |
| 1.76485         | 1   | 20.13        | 46           | -25.87      | Phase 1 | 1              | 9k  | 0.02       | Pass     | 20.48           |
| 0.3187          | 1   | 21.86        | 49.76        | -27.9       | Phase 1 | 1              | 9k  | 0.02       | Pass     | 20.06           |
| 19.33855        | 1   | 19.66        | 50           | -30.34      | Phase 1 | 1              | 9k  | 0.02       | Pass     | 20.2            |

Line Table

**Power: 110V60HZ\_NEUTRAL**



Neutral Graph

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| Quasipeak (15)  |     |              |              |             |         |                |     |           |          |                 |
|-----------------|-----|--------------|--------------|-------------|---------|----------------|-----|-----------|----------|-----------------|
| Frequency (MHz) | S R | Level (dBµV) | Limit (dBµV) | Margin (dB) | Pos     | Measuring time | RBW | Meas Time | Comments | Correction (dB) |
| 0.5924          | 2   | 44.61        | 56           | -11.39      | Neutral | 1              | 9k  | 0.02      | Pass     | 20.39           |
| 0.6155          | 2   | 38.38        | 56           | -17.62      | Neutral | 1              | 9k  | 0.02      | Pass     | 20.43           |
| 0.51795         | 2   | 35.29        | 56           | -20.71      | Neutral | 1              | 9k  | 0.02      | Pass     | 20.27           |
| 0.8734          | 2   | 30.1         | 56           | -25.9       | Neutral | 1              | 9k  | 0.02      | Pass     | 20.66           |
| 0.29665         | 2   | 31.06        | 60.3         | -29.24      | Neutral | 1              | 9k  | 0.02      | Pass     | 19.96           |
| 1.1833          | 2   | 26.16        | 56           | -29.84      | Neutral | 1              | 9k  | 0.02      | Pass     | 20.51           |
| 19.35055        | 2   | 26.98        | 60           | -33.02      | Neutral | 1              | 9k  | 0.02      | Pass     | 20.44           |
| 24.44805        | 2   | 20.51        | 60           | -39.49      | Neutral | 1              | 9k  | 0.02      | Pass     | 20.57           |

Neutral Table

| Average (15)    |     |              |              |             |         |                |     |            |          |                 |
|-----------------|-----|--------------|--------------|-------------|---------|----------------|-----|------------|----------|-----------------|
| Frequency (MHz) | S R | Level (dBµV) | Limit (dBµV) | Margin (dB) | Pos     | Measuring time | RBW | Meas. Time | Comments | Correction (dB) |
| 0.5924          | 2   | 28.4         | 46           | -17.6       | Neutral | 1              | 9k  | 0.02       | Pass     | 20.39           |
| 0.6155          | 2   | 26.64        | 46           | -19.36      | Neutral | 1              | 9k  | 0.02       | Pass     | 20.43           |
| 0.51795         | 2   | 21.26        | 46           | -24.74      | Neutral | 1              | 9k  | 0.02       | Pass     | 20.27           |
| 0.8734          | 2   | 16.59        | 46           | -29.41      | Neutral | 1              | 9k  | 0.02       | Pass     | 20.66           |
| 0.29665         | 2   | 20.42        | 50.3         | -29.88      | Neutral | 1              | 9k  | 0.02       | Pass     | 19.96           |
| 19.35055        | 2   | 15.6         | 50           | -34.4       | Neutral | 1              | 9k  | 0.02       | Pass     | 20.44           |
| 1.1833          | 2   | 8.51         | 46           | -37.49      | Neutral | 1              | 9k  | 0.02       | Pass     | 20.51           |
| 24.44805        | 2   | 9.48         | 50           | -40.52      | Neutral | 1              | 9k  | 0.02       | Pass     | 20.57           |

Neutral Table

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## 12 Power level used for testing

| a_6Mbps_20MHz  |    | n_HT20_MCS0 |    | ac_VHT20_MCS0 |    |
|----------------|----|-------------|----|---------------|----|
| 5180           | 14 | 5180        | 15 | 5180          | 15 |
| 5240           | 14 | 5240        | 15 | 5240          | 16 |
| 5745           | 12 | 5745        | 11 | 5745          | 11 |
| 5825           | 14 | 5825        | 12 | 5825          | 14 |
| a_54Mbps-20MHz |    | n_HT20_MCS7 |    | ac_VHT20_MCS8 |    |
| 5180           | 14 | 5180        | 15 | 5180          | 16 |
| 5240           | 14 | 5240        | 15 | 5240          | 16 |
| 5745           | 12 | 5745        | 11 | 5745          | 11 |
| 5825           | 14 | 5825        | 13 | 5825          | 16 |
|                |    | n_HT40_MCS0 |    | ac_VHT40_MCS0 |    |
|                |    | 5190        | 14 | 5190          | 14 |
|                |    | 5230        | 15 | 5230          | 16 |
|                |    | 5755        | 15 | 5755          | 15 |
|                |    | 5795        | 15 | 5795          | 15 |
|                |    | n_HT40_MCS7 |    | ac_VHT40_MCS9 |    |
|                |    | 5190        | 15 | 5190          | 16 |
|                |    | 5230        | 15 | 5230          | 16 |
|                |    | 5755        | 15 | 5755          | 15 |
|                |    | 5795        | 15 | 5795          | 15 |
|                |    |             |    | ac_VHT80_MCS0 |    |
|                |    |             |    | 5210          | 14 |
|                |    |             |    | 5775          | 15 |
|                |    |             |    | ac_VHT80_MCS9 |    |
|                |    |             |    | 5210          | 16 |
|                |    |             |    | 5775          | 15 |

\*\*\*END OF TEST REPORT\*\*\*