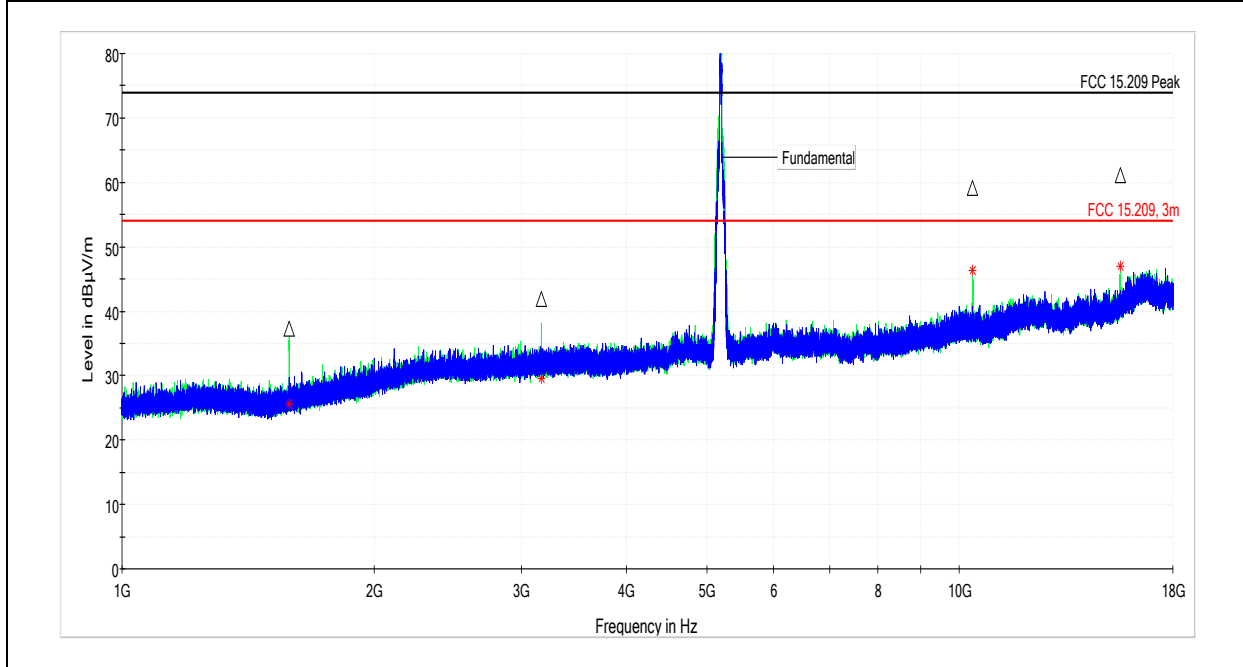


U-NII-1 Radiated Emission Results

EUT Name: Display
 Manufacturer: Generac
 Test Engineer: Bryan Taylor
 Date: 3/20/2018
 Temp/Humidity/Pressure: 23.9C/21.2%/982.0mbar
 Comment: 802.11n (40MHz), ch38

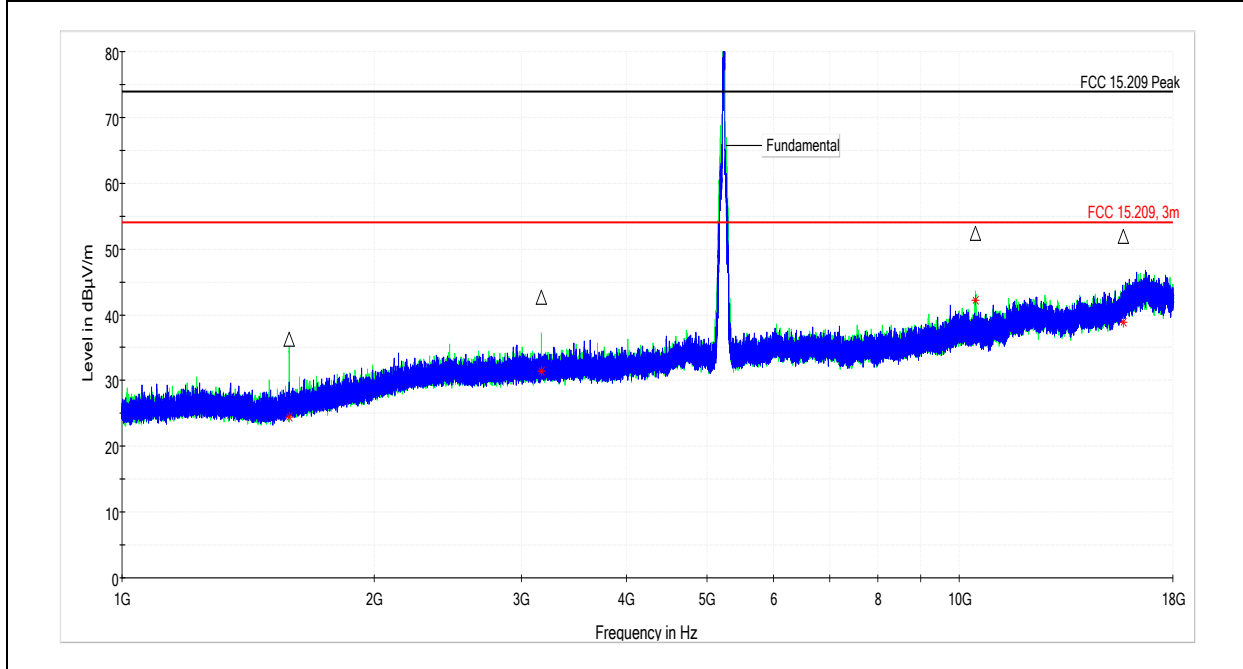


| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1583.953000 | 37.34 | 74.00 | 36.66 | 1000.000 | 214.0 | H | 108.0 | -1.3 |
| 3167.731500 | 41.83 | 74.00 | 32.17 | 1000.000 | 350.0 | H | 170.0 | 5.0 |
| 10379.761000 | 59.19 | 74.00 | 14.81 | 1000.000 | 350.0 | H | 110.0 | 14.6 |
| 15578.814000 | 61.03 | 74.00 | 12.97 | 1000.000 | 334.0 | H | 117.0 | 18.8 |

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1583.953000 | 25.56 | 54.00 | 28.44 | 1000.000 | 214.0 | H | 108.0 | -1.3 |
| 3167.731500 | 29.54 | 54.00 | 24.46 | 1000.000 | 350.0 | H | 170.0 | 5.0 |
| 10379.761000 | 46.26 | 54.00 | 7.74 | 1000.000 | 350.0 | H | 110.0 | 14.6 |
| 15578.814000 | 46.97 | 54.00 | 7.03 | 1000.000 | 334.0 | H | 117.0 | 18.8 |

U-NII-1 Radiated Emission Results

EUT Name: Display
 Manufacturer: Generac
 Test Engineer: Bryan Taylor
 Date: 3/20/2018
 Temp/Humidity/Pressure: 23.9C/21.2%/982.0mbar
 Comment: 802.11n (40MHz), ch46

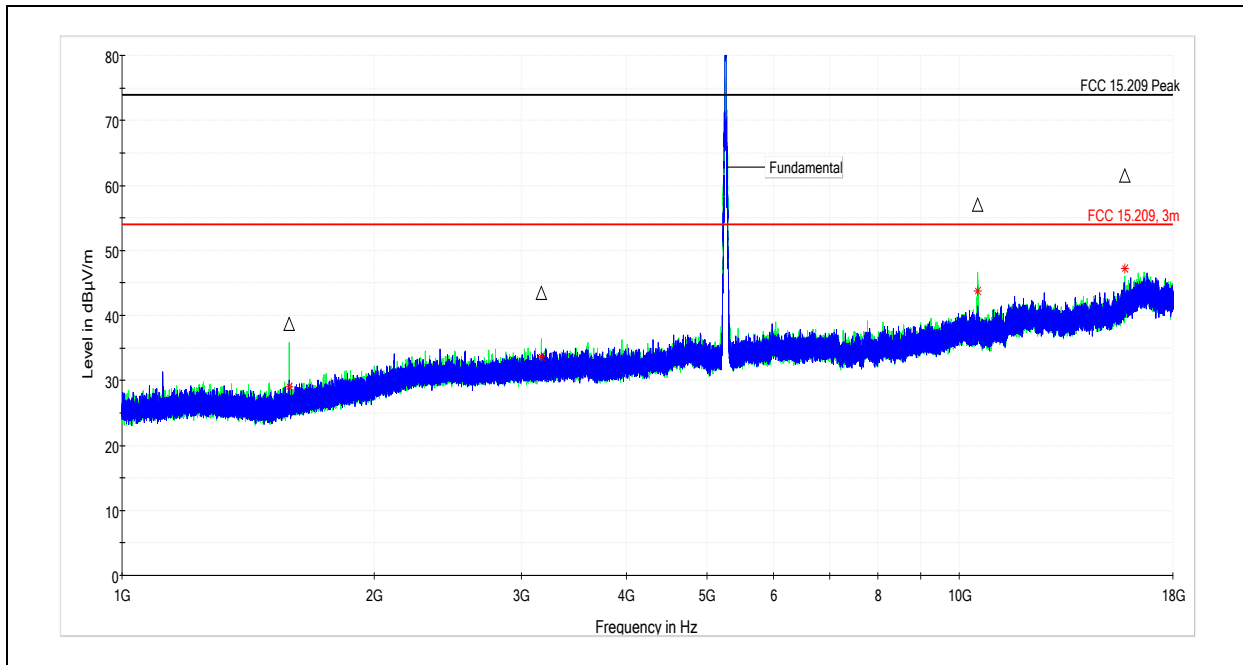


| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1583.994500 | 36.22 | 74.00 | 37.78 | 1000.000 | 350.0 | H | 181.0 | -1.3 |
| 3167.767500 | 42.72 | 74.00 | 31.28 | 1000.000 | 197.0 | H | 74.0 | 5.0 |
| 10459.600000 | 52.37 | 74.00 | 21.63 | 1000.000 | 189.0 | H | 157.0 | 14.8 |
| 15693.733500 | 51.90 | 74.00 | 22.10 | 1000.000 | 410.0 | H | 237.0 | 19.6 |

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1583.994500 | 24.40 | 54.00 | 29.60 | 1000.000 | 350.0 | H | 181.0 | -1.3 |
| 3167.767500 | 31.48 | 54.00 | 22.52 | 1000.000 | 197.0 | H | 74.0 | 5.0 |
| 10459.600000 | 42.21 | 54.00 | 11.79 | 1000.000 | 189.0 | H | 157.0 | 14.8 |
| 15693.733500 | 38.89 | 54.00 | 15.11 | 1000.000 | 410.0 | H | 237.0 | 19.6 |

U-NII-2A Radiated Emission Results

EUT Name: Display
 Manufacturer: Generac
 Test Engineer: Bryan Taylor
 Date: 3/20/2018
 Temp/Humidity/Pressure: 23.9C/21.2%/982.0mbar
 Comment: 802.11a, ch52

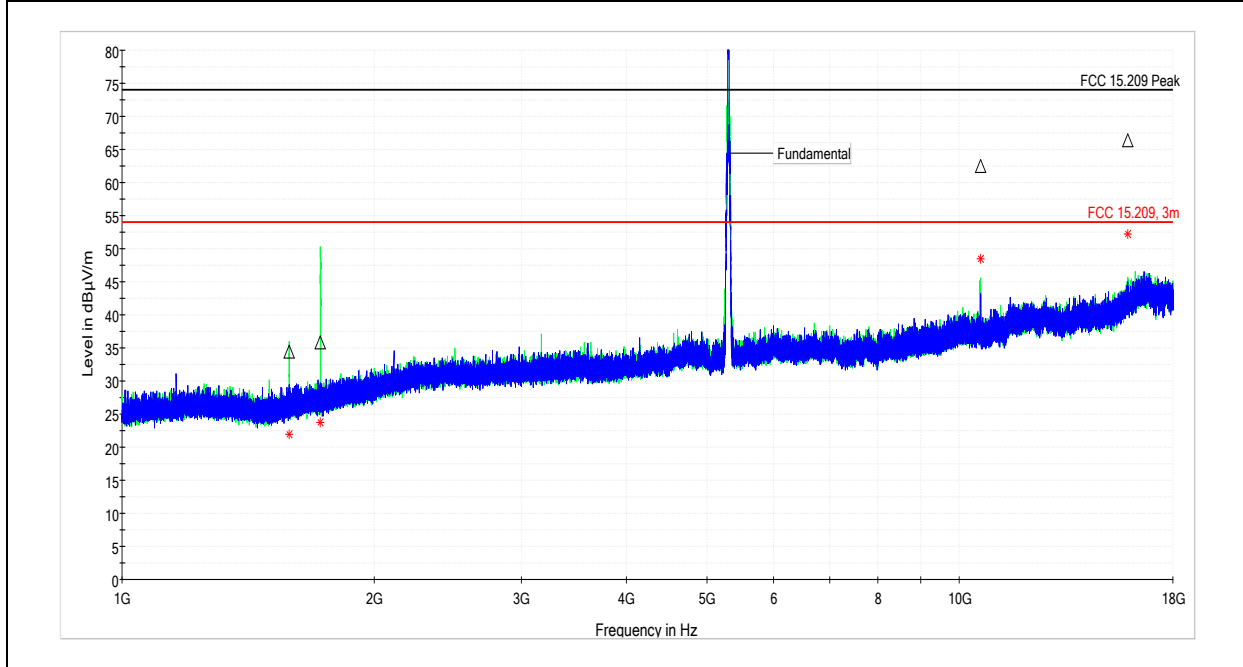


| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1584.011000 | 38.63 | 74.00 | 35.37 | 1000.000 | 250.0 | H | 32.0 | -1.3 |
| 3168.136500 | 43.40 | 74.00 | 30.60 | 1000.000 | 187.0 | H | 178.0 | 5.0 |
| 10519.472500 | 56.97 | 74.00 | 17.03 | 1000.000 | 195.0 | H | 88.0 | 14.8 |
| 15783.645000 | 61.57 | 74.00 | 12.43 | 1000.000 | 303.0 | H | 80.0 | 19.9 |

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1584.011000 | 29.05 | 54.00 | 24.95 | 1000.000 | 250.0 | H | 32.0 | -1.3 |
| 3168.136500 | 33.64 | 54.00 | 20.36 | 1000.000 | 187.0 | H | 178.0 | 5.0 |
| 10519.472500 | 43.74 | 54.00 | 10.26 | 1000.000 | 195.0 | H | 88.0 | 14.8 |
| 15783.645000 | 47.27 | 54.00 | 6.73 | 1000.000 | 303.0 | H | 80.0 | 19.9 |

U-NII-2A Radiated Emission Results

EUT Name: Display
 Manufacturer: Generac
 Test Engineer: Bryan Taylor
 Date: 3/20/2018
 Temp/Humidity/Pressure: 23.9C/21.2%/982.0mbar
 Comment: 802.11a, ch60

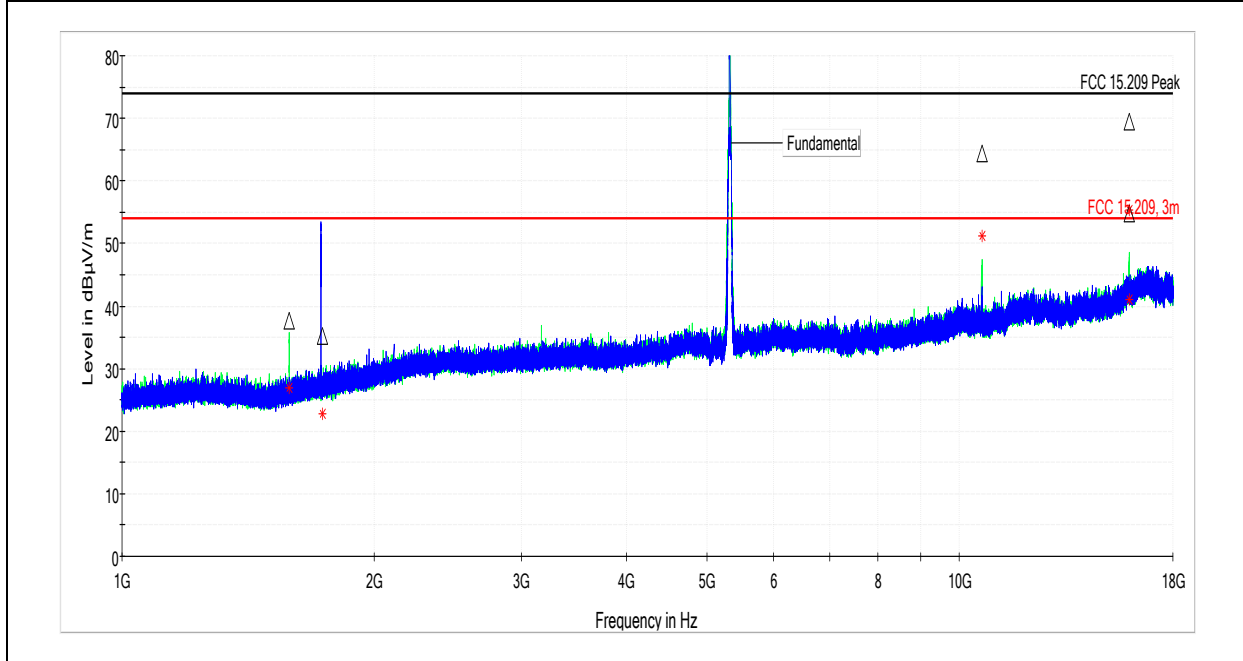


| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1583.935000 | 34.48 | 74.00 | 39.52 | 1000.000 | 350.0 | H | 185.0 | -1.3 |
| 1724.999000 | 35.78 | 74.00 | 38.22 | 1000.000 | 350.0 | H | 39.0 | -0.2 |
| 10599.812000 | 62.46 | 74.00 | 11.54 | 1000.000 | 350.0 | H | 116.0 | 14.7 |
| 15904.212000 | 66.33 | 74.00 | 7.67 | 1000.000 | 350.0 | H | 118.0 | 20.4 |

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1583.935000 | 21.88 | 54.00 | 32.12 | 1000.000 | 350.0 | H | 185.0 | -1.3 |
| 1724.999000 | 23.73 | 54.00 | 30.27 | 1000.000 | 350.0 | H | 39.0 | -0.2 |
| 10599.812000 | 48.43 | 54.00 | 5.57 | 1000.000 | 350.0 | H | 116.0 | 14.7 |
| 15904.212000 | 52.29 | 54.00 | 1.71 | 1000.000 | 350.0 | H | 118.0 | 20.4 |

U-NII-2A Radiated Emission Results

EUT Name: Display
 Manufacturer: Generac
 Test Engineer: Bryan Taylor
 Date: 3/20/2018
 Temp/Humidity/Pressure: 23.9C/21.2%/982.0mbar
 Comment: 802.11a, ch64

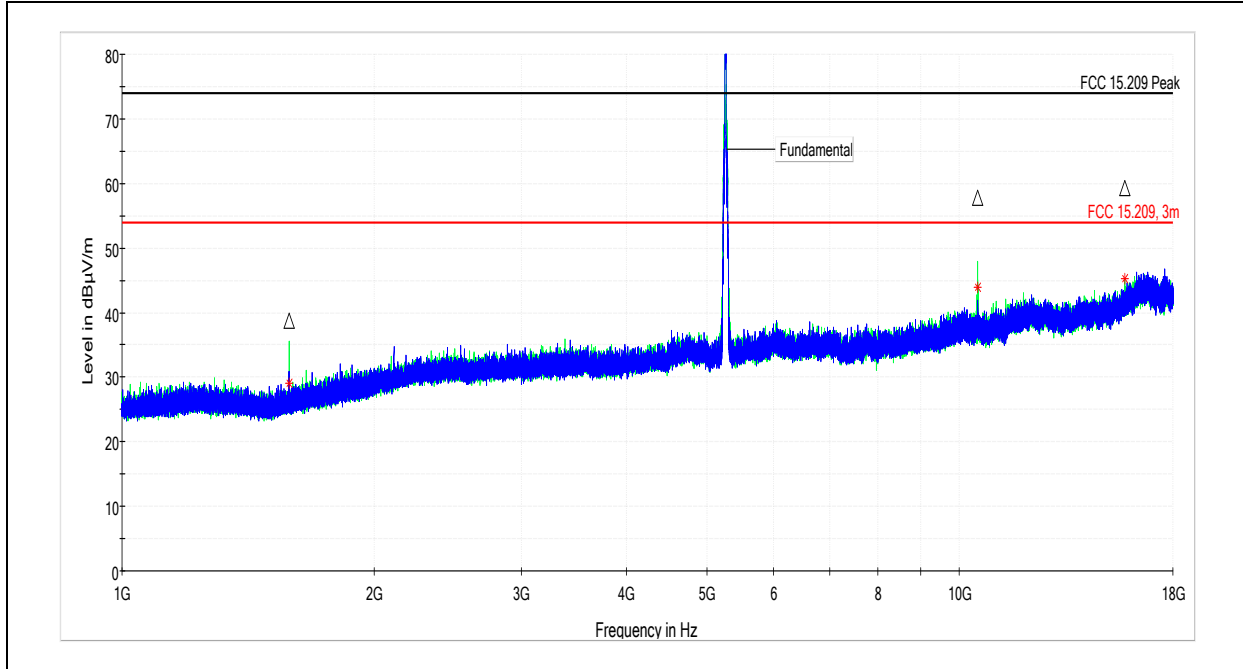


| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1583.892000 | 37.57 | 74.00 | 36.43 | 1000.000 | 350.0 | H | 120.0 | -1.3 |
| 1736.623000 | 35.17 | 74.00 | 38.83 | 1000.000 | 193.0 | V | 229.0 | 0.0 |
| 10639.866500 | 64.40 | 74.00 | 9.60 | 1000.000 | 350.0 | H | 114.0 | 14.6 |
| 15958.570500 | 69.49 | 74.00 | 4.51 | 1000.000 | 350.0 | H | 114.0 | 20.9 |
| 15965.415000 | 54.71 | 74.00 | 19.29 | 1000.000 | 350.0 | H | 98.0 | 20.9 |

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1583.892000 | 26.84 | 54.00 | 27.16 | 1000.000 | 350.0 | H | 120.0 | -1.3 |
| 1736.623000 | 22.72 | 54.00 | 31.28 | 1000.000 | 193.0 | V | 229.0 | 0.0 |
| 10639.866500 | 51.27 | 54.00 | 2.73 | 1000.000 | 350.0 | H | 114.0 | 14.6 |
| 15965.415000 | 41.00 | 54.00 | 13.00 | 1000.000 | 350.0 | H | 98.0 | 20.9 |

U-NII-2A Radiated Emission Results

EUT Name: Display
 Manufacturer: Generac
 Test Engineer: Bryan Taylor
 Date: 3/20/2018
 Temp/Humidity/Pressure: 23.9C/21.2%/982.0mbar
 Comment: 802.11n (20MHz), ch52

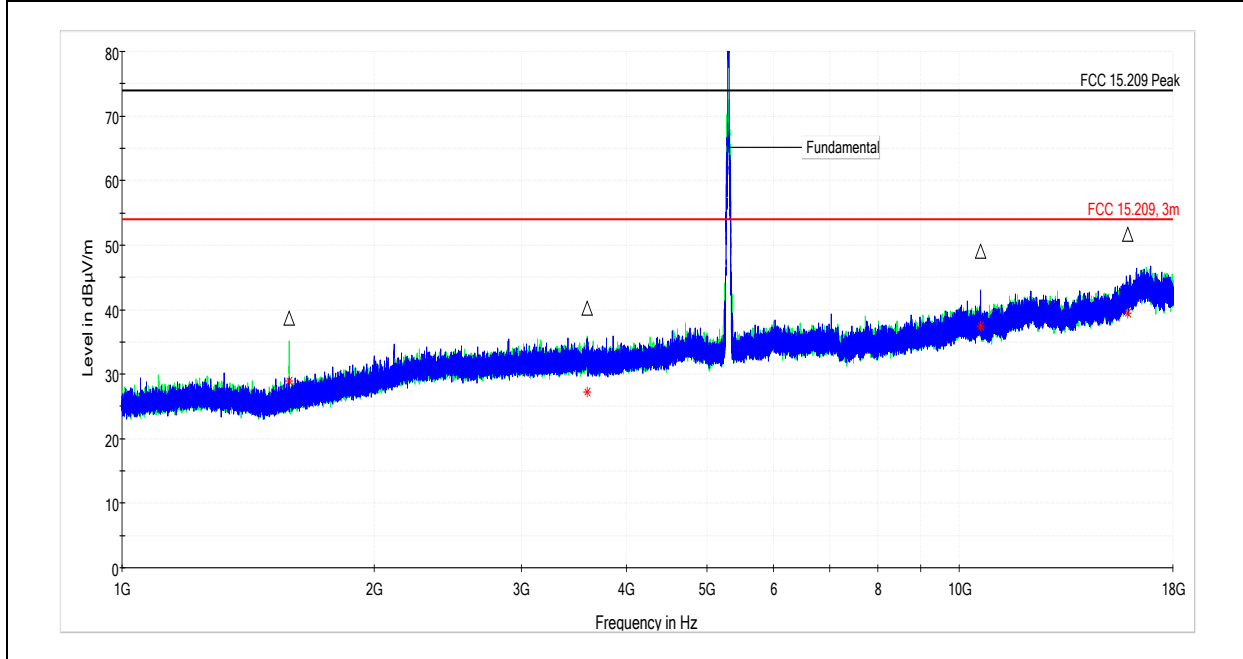


| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1583.962500 | 38.79 | 74.00 | 35.21 | 1000.000 | 350.0 | H | 60.0 | -1.3 |
| 10519.790500 | 57.79 | 74.00 | 16.21 | 1000.000 | 350.0 | H | 83.0 | 14.8 |
| 15779.392500 | 59.28 | 74.00 | 14.72 | 1000.000 | 298.0 | H | 94.0 | 19.9 |

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1583.962500 | 29.13 | 54.00 | 24.87 | 1000.000 | 350.0 | H | 60.0 | -1.3 |
| 10519.790500 | 43.92 | 54.00 | 10.08 | 1000.000 | 350.0 | H | 83.0 | 14.8 |
| 15779.392500 | 45.22 | 54.00 | 8.78 | 1000.000 | 298.0 | H | 94.0 | 19.9 |

U-NII-2A Radiated Emission Results

EUT Name: Display
 Manufacturer: Generac
 Test Engineer: Bryan Taylor
 Date: 3/20/2018
 Temp/Humidity/Pressure: 23.9C/21.2%/982.0mbar
 Comment: 802.11n (20MHz), ch60

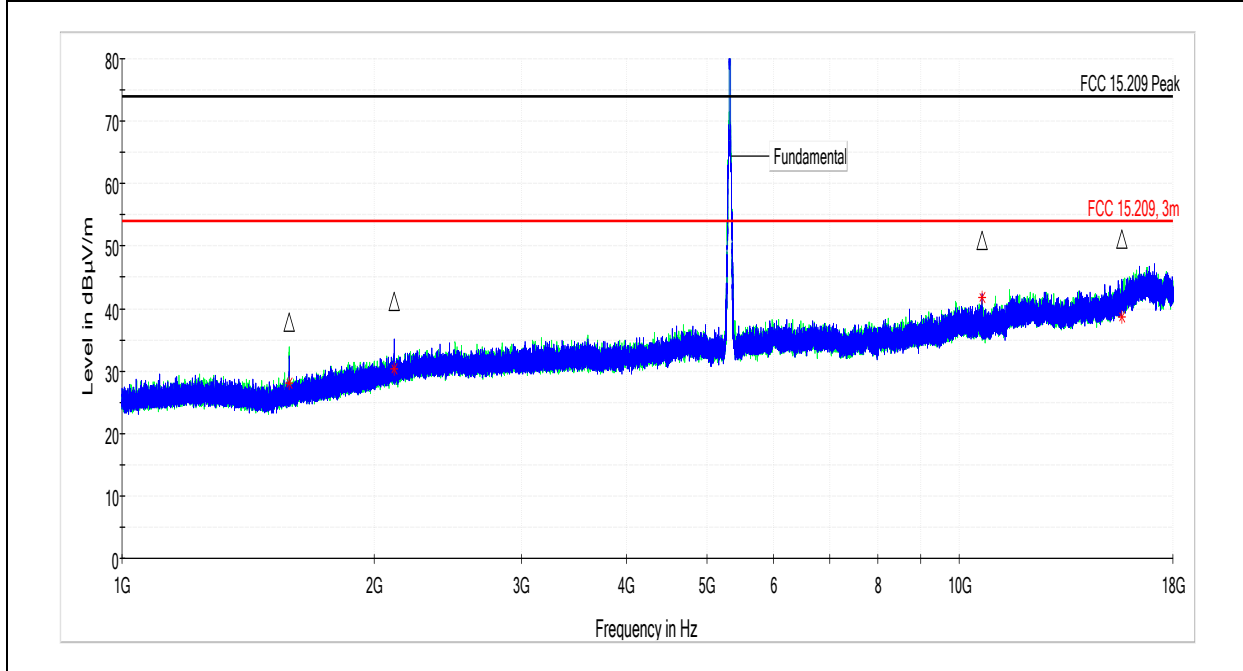


| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1584.088500 | 38.73 | 74.00 | 35.27 | 1000.000 | 216.0 | H | 118.0 | -1.3 |
| 3596.960000 | 40.25 | 74.00 | 33.75 | 1000.000 | 350.0 | H | 123.0 | 5.7 |
| 10599.925500 | 49.04 | 74.00 | 24.96 | 1000.000 | 350.0 | V | 110.0 | 14.7 |
| 15888.130500 | 51.74 | 74.00 | 22.26 | 1000.000 | 350.0 | V | 244.0 | 20.4 |

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1584.088500 | 28.94 | 54.00 | 25.06 | 1000.000 | 216.0 | H | 118.0 | -1.3 |
| 3596.960000 | 27.27 | 54.00 | 26.73 | 1000.000 | 350.0 | H | 123.0 | 5.7 |
| 10599.925500 | 37.52 | 54.00 | 16.48 | 1000.000 | 350.0 | V | 110.0 | 14.7 |
| 15888.130500 | 39.40 | 54.00 | 14.60 | 1000.000 | 350.0 | V | 244.0 | 20.4 |

U-NII-2A Radiated Emission Results

EUT Name: Display
 Manufacturer: Generac
 Test Engineer: Bryan Taylor
 Date: 3/21/2018
 Temp/Humidity/Pressure: 22.7C/48.2%.982.0mbar
 Comment: 802.11n (20MHz), ch64

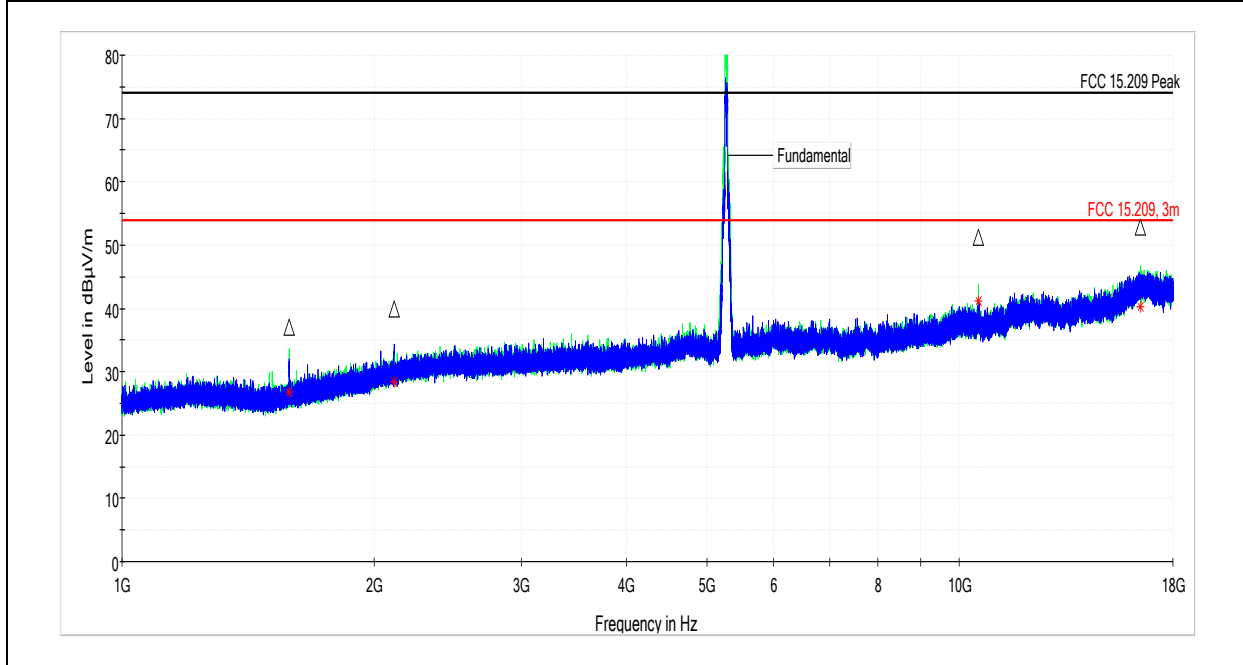


| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1583.887500 | 37.76 | 74.00 | 36.24 | 1000.000 | 225.0 | H | 335.0 | -1.3 |
| 2112.033000 | 41.23 | 74.00 | 32.77 | 1000.000 | 191.0 | V | 0.0 | 2.7 |
| 10639.693000 | 50.99 | 74.00 | 23.01 | 1000.000 | 321.0 | V | 81.0 | 14.6 |
| 15649.273500 | 51.17 | 74.00 | 22.83 | 1000.000 | 270.0 | V | 223.0 | 19.4 |

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1583.887500 | 28.05 | 54.00 | 25.95 | 1000.000 | 225.0 | H | 335.0 | -1.3 |
| 2112.033000 | 30.34 | 54.00 | 23.66 | 1000.000 | 191.0 | V | 0.0 | 2.7 |
| 10639.693000 | 41.73 | 54.00 | 12.27 | 1000.000 | 321.0 | V | 81.0 | 14.6 |
| 15649.273500 | 38.66 | 54.00 | 15.34 | 1000.000 | 270.0 | V | 223.0 | 19.4 |

U-NII-2A Radiated Emission Results

| | |
|-------------------------|-----------------------|
| EUT Name: | Display |
| Manufacturer: | Generac |
| Test Engineer: | Bryan Taylor |
| Date: | 3/21/2018 |
| Temp/Humidity/Pressure: | 22.7C/48.2%.982.0mbar |
| Comment: | 802.11n (40MHz), ch54 |

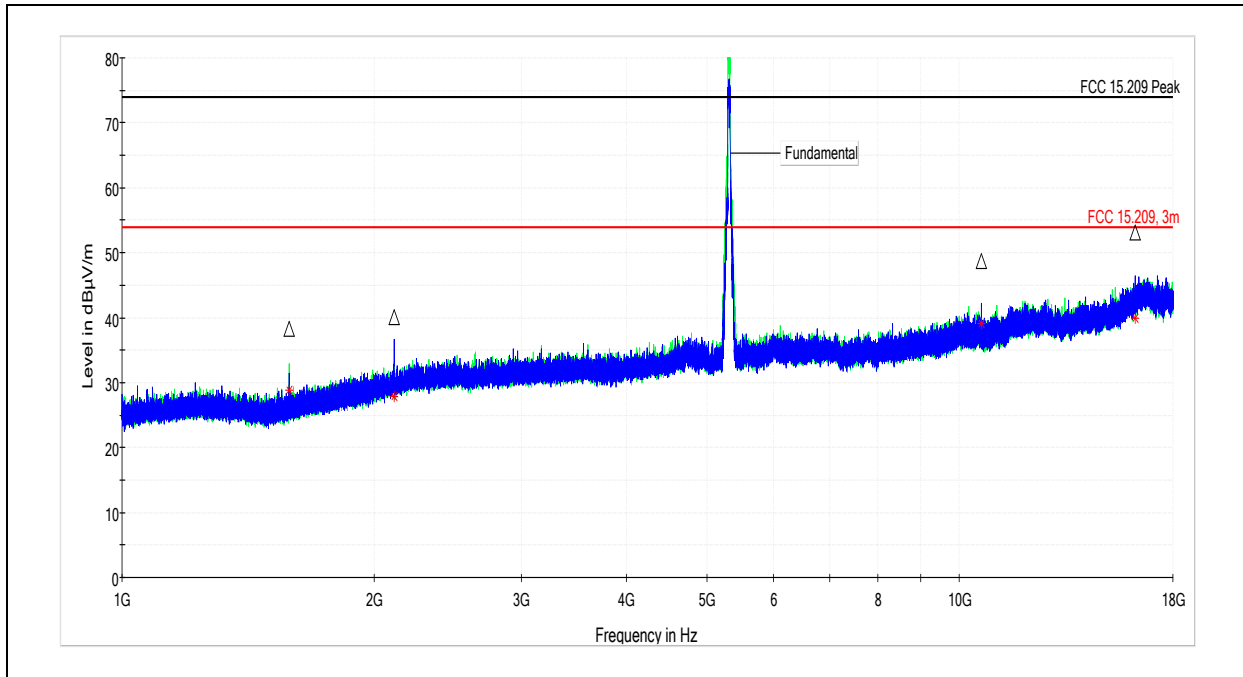


| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1584.044000 | 37.10 | 74.00 | 36.90 | 1000.000 | 350.0 | H | 6.0 | -1.3 |
| 2112.045500 | 39.96 | 74.00 | 34.04 | 1000.000 | 210.0 | V | 148.0 | 2.7 |
| 10539.745000 | 51.28 | 74.00 | 22.72 | 1000.000 | 193.0 | H | 63.0 | 14.8 |
| 16475.155500 | 52.87 | 74.00 | 21.13 | 1000.000 | 233.0 | H | 282.0 | 21.2 |

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1584.044000 | 26.77 | 54.00 | 27.23 | 1000.000 | 350.0 | H | 6.0 | -1.3 |
| 2112.045500 | 28.46 | 54.00 | 25.54 | 1000.000 | 210.0 | V | 148.0 | 2.7 |
| 10539.745000 | 41.18 | 54.00 | 12.82 | 1000.000 | 193.0 | H | 63.0 | 14.8 |
| 16475.155500 | 40.20 | 54.00 | 13.80 | 1000.000 | 233.0 | H | 282.0 | 21.2 |

U-NII-2A Radiated Emission Results

EUT Name: Display
 Manufacturer: Generac
 Test Engineer: Bryan Taylor
 Date: 3/21/2018
 Temp/Humidity/Pressure: 22.7C/48.2%.982.0mbar
 Comment: 802.11n (40MHz), ch62

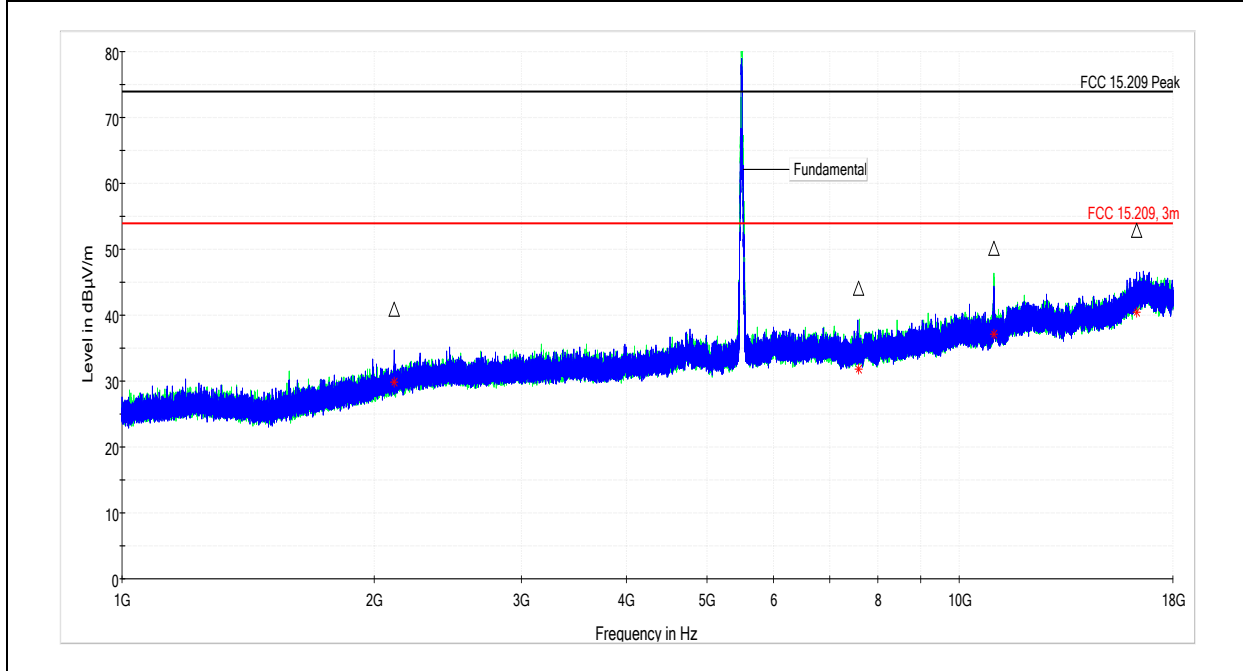


| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1583.894000 | 38.23 | 74.00 | 35.77 | 1000.000 | 350.0 | H | 41.0 | -1.3 |
| 2112.058500 | 40.04 | 74.00 | 33.96 | 1000.000 | 296.0 | V | 1.0 | 2.7 |
| 10619.774000 | 48.76 | 74.00 | 25.24 | 1000.000 | 350.0 | V | 96.0 | 14.6 |
| 16218.178500 | 53.13 | 74.00 | 20.87 | 1000.000 | 350.0 | V | 237.0 | 21.2 |

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1583.894000 | 28.81 | 54.00 | 25.19 | 1000.000 | 350.0 | H | 41.0 | -1.3 |
| 2112.058500 | 27.88 | 54.00 | 26.12 | 1000.000 | 296.0 | V | 1.0 | 2.7 |
| 10619.774000 | 39.09 | 54.00 | 14.91 | 1000.000 | 350.0 | V | 96.0 | 14.6 |
| 16218.178500 | 39.97 | 54.00 | 14.03 | 1000.000 | 350.0 | V | 237.0 | 21.2 |

U-NII-2C Radiated Emission Results

EUT Name: Display
 Manufacturer: Generac
 Test Engineer: Bryan Taylor
 Date: 3/21/2018
 Temp/Humidity/Pressure: 22.7C/48.2%.982.0mbar
 Comment: 802.11a, ch100

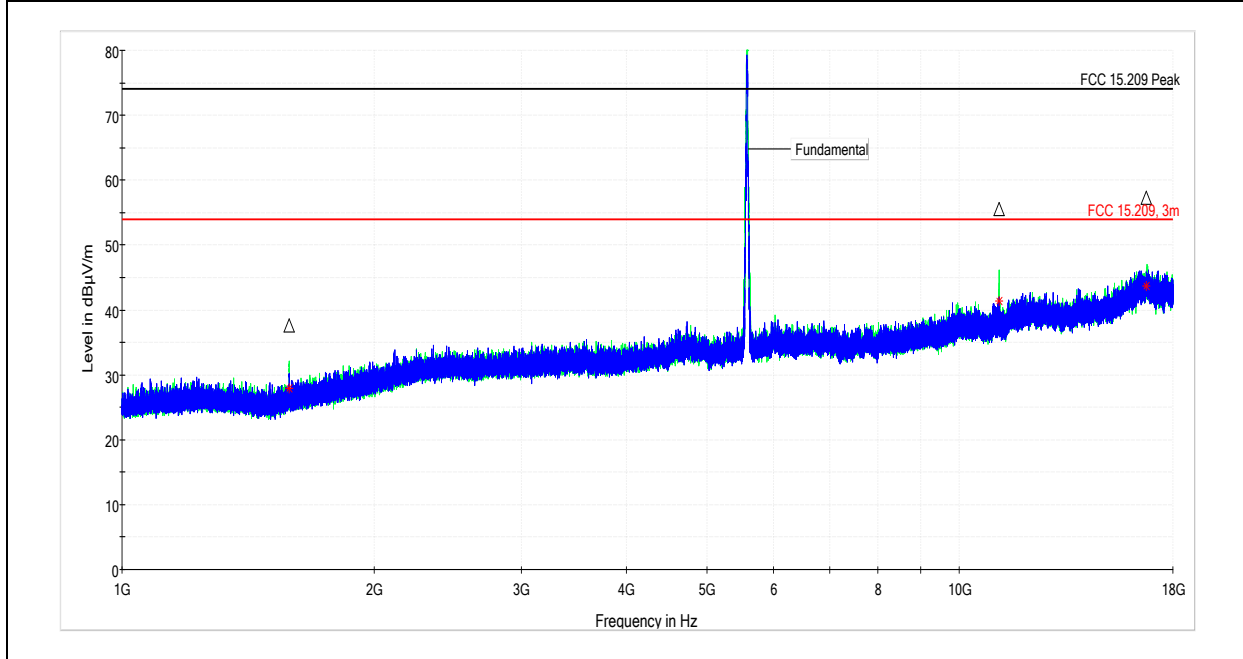


| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 2112.045000 | 40.93 | 74.00 | 33.07 | 1000.000 | 259.0 | V | 149.0 | 2.7 |
| 7590.581000 | 44.13 | 74.00 | 29.87 | 1000.000 | 350.0 | H | 9.0 | 10.9 |
| 11002.628500 | 50.13 | 74.00 | 23.87 | 1000.000 | 350.0 | H | 86.0 | 15.2 |
| 16292.676000 | 52.81 | 74.00 | 21.19 | 1000.000 | 350.0 | V | 38.0 | 21.3 |

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 2112.045000 | 29.86 | 54.00 | 24.14 | 1000.000 | 259.0 | V | 149.0 | 2.7 |
| 7590.581000 | 31.79 | 54.00 | 22.21 | 1000.000 | 350.0 | H | 9.0 | 10.9 |
| 11002.628500 | 37.06 | 54.00 | 16.94 | 1000.000 | 350.0 | H | 86.0 | 15.2 |
| 16292.676000 | 40.41 | 54.00 | 13.59 | 1000.000 | 350.0 | V | 38.0 | 21.3 |

U-NII-2C Radiated Emission Results

EUT Name: Display
 Manufacturer: Generac
 Test Engineer: Bryan Taylor
 Date: 3/21/2018
 Temp/Humidity/Pressure: 22.7C/48.2%.982.0mbar
 Comment: 802.11a, ch116

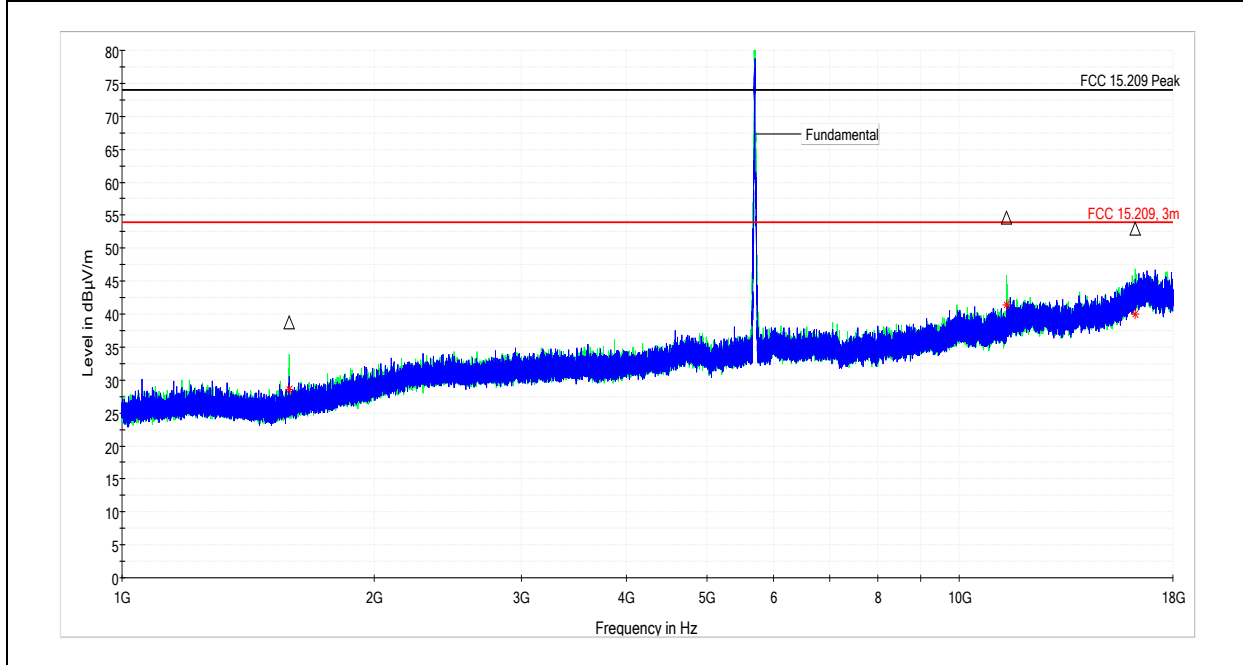


| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1584.109000 | 37.57 | 74.00 | 36.43 | 1000.000 | 100.0 | H | 94.0 | -1.3 |
| 11162.213500 | 55.61 | 74.00 | 18.39 | 1000.000 | 272.0 | H | 101.0 | 15.3 |
| 16745.001000 | 57.33 | 74.00 | 16.67 | 1000.000 | 270.0 | H | 30.0 | 21.7 |

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1584.109000 | 27.96 | 54.00 | 26.04 | 1000.000 | 100.0 | H | 94.0 | -1.3 |
| 11162.213500 | 41.33 | 54.00 | 12.67 | 1000.000 | 272.0 | H | 101.0 | 15.3 |
| 16745.001000 | 43.71 | 54.00 | 10.29 | 1000.000 | 270.0 | H | 30.0 | 21.7 |

U-NII-2C Radiated Emission Results

EUT Name: Display
 Manufacturer: Generac
 Test Engineer: Bryan Taylor
 Date: 3/21/2018
 Temp/Humidity/Pressure: 22.7C/48.2%.982.0mbar
 Comment: 802.11a, ch140

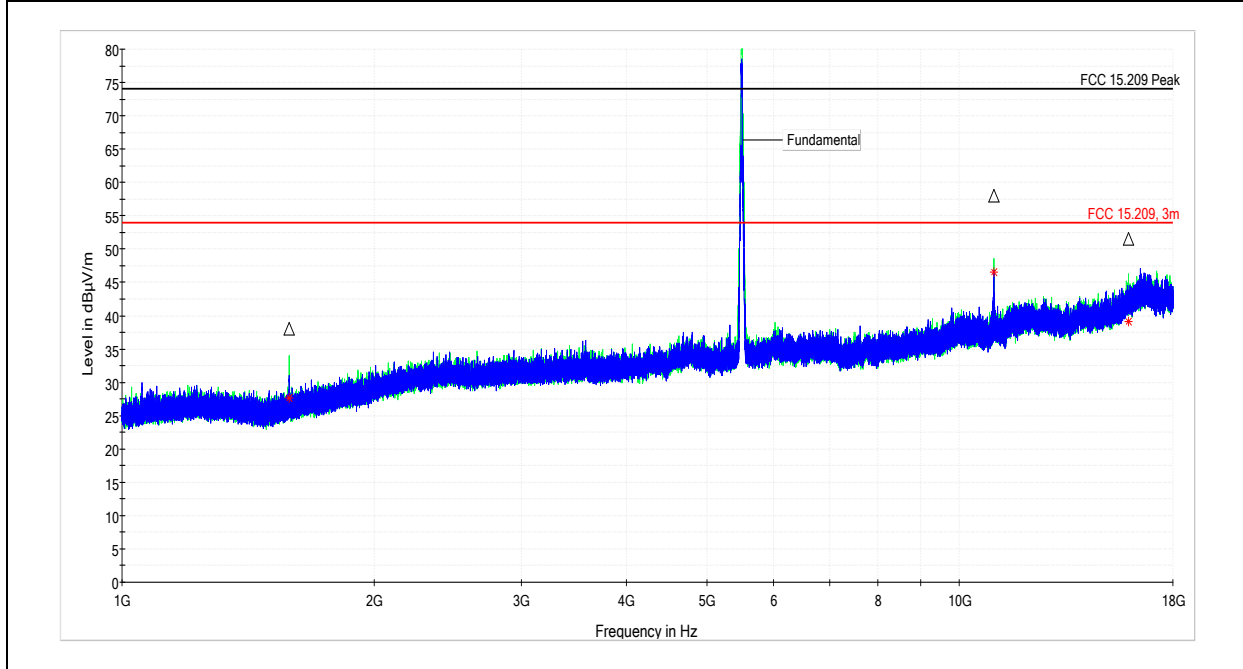


| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1583.986500 | 38.70 | 74.00 | 35.30 | 1000.000 | 350.0 | H | 44.0 | -1.3 |
| 11399.552000 | 54.60 | 74.00 | 19.40 | 1000.000 | 216.0 | H | 6.0 | 15.5 |
| 16218.063000 | 52.93 | 74.00 | 21.07 | 1000.000 | 269.0 | H | 52.0 | 21.2 |

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1583.986500 | 28.54 | 54.00 | 25.46 | 1000.000 | 350.0 | H | 44.0 | -1.3 |
| 11399.552000 | 41.38 | 54.00 | 12.62 | 1000.000 | 216.0 | H | 6.0 | 15.5 |
| 16218.063000 | 39.99 | 54.00 | 14.01 | 1000.000 | 269.0 | H | 52.0 | 21.2 |

U-NII-2C Radiated Emission Results

EUT Name: Display
 Manufacturer: Generac
 Test Engineer: Bryan Taylor
 Date: 3/21/2018
 Temp/Humidity/Pressure: 22.7C/48.2%.982.0mbar
 Comment: 802.11n (20MHz), ch100

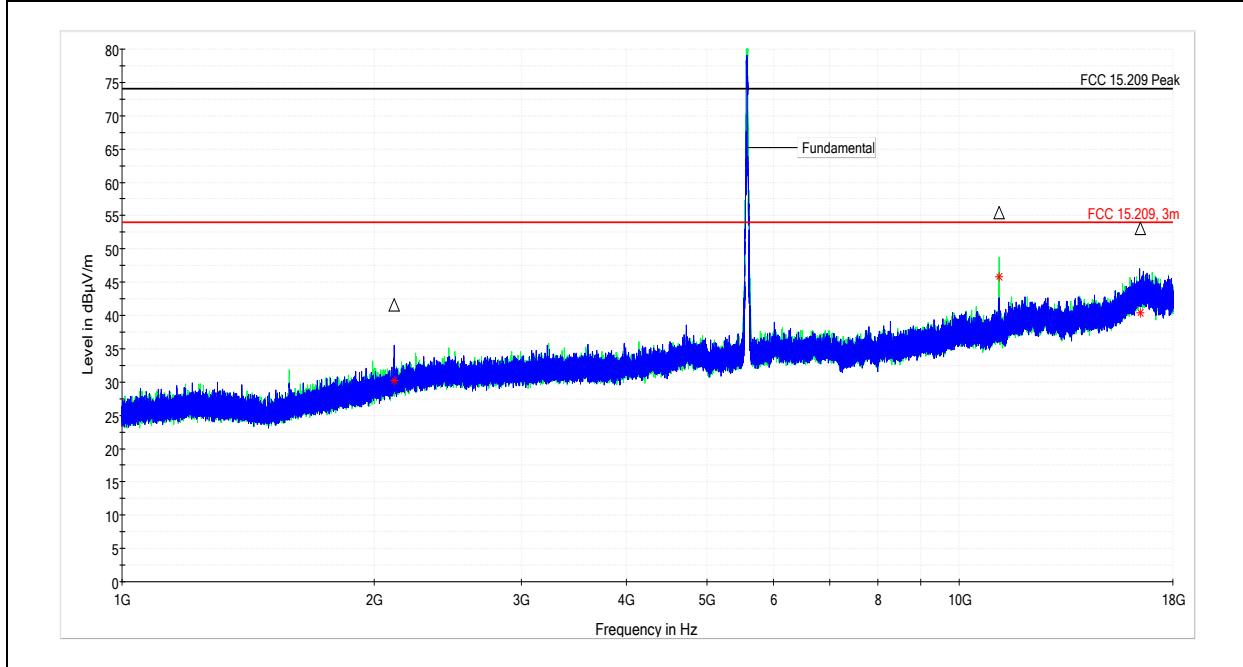


| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1584.013500 | 38.04 | 74.00 | 35.96 | 1000.000 | 245.0 | H | 43.0 | -1.3 |
| 10999.768000 | 58.03 | 74.00 | 15.97 | 1000.000 | 244.0 | H | 92.0 | 15.2 |
| 15933.711000 | 51.55 | 74.00 | 22.45 | 1000.000 | 237.0 | H | 280.0 | 20.6 |

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1584.013500 | 27.71 | 54.00 | 26.29 | 1000.000 | 245.0 | H | 43.0 | -1.3 |
| 10999.768000 | 46.54 | 54.00 | 7.46 | 1000.000 | 244.0 | H | 92.0 | 15.2 |
| 15933.711000 | 39.15 | 54.00 | 14.85 | 1000.000 | 237.0 | H | 280.0 | 20.6 |

U-NII-2C Radiated Emission Results

EUT Name: Display
 Manufacturer: Generac
 Test Engineer: Bryan Taylor
 Date: 3/21/2018
 Temp/Humidity/Pressure: 22.7C/48.2%.982.0mbar
 Comment: 802.11n (20MHz), ch116

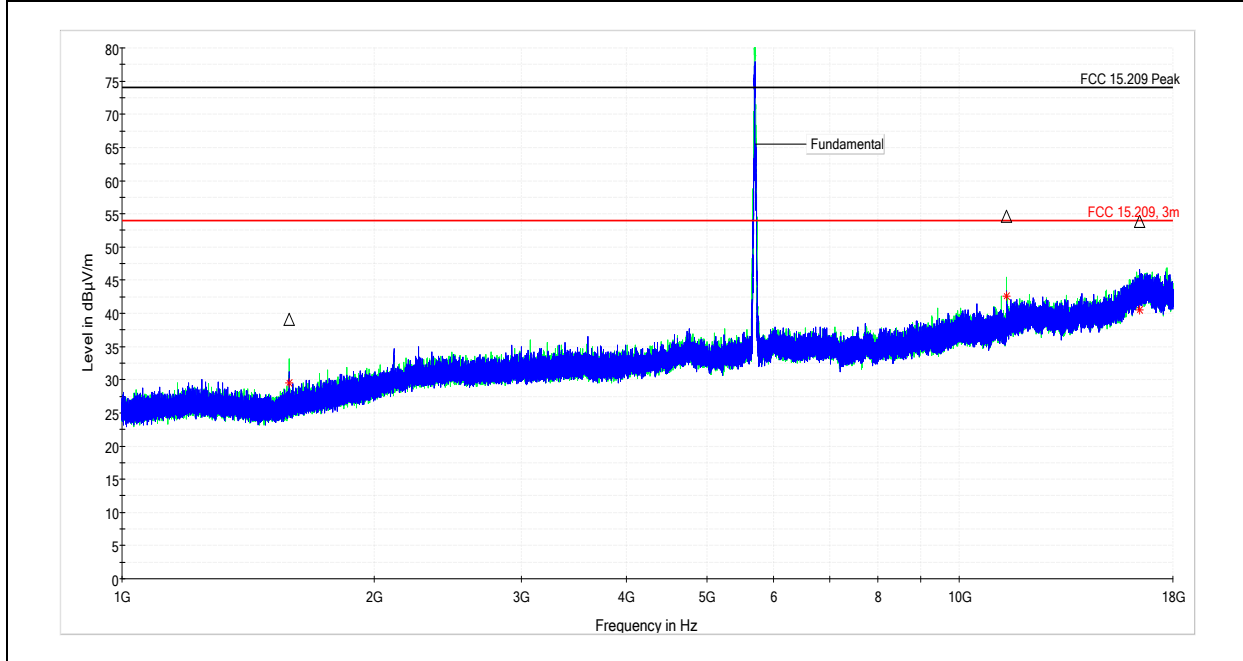


| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 2112.123000 | 41.62 | 74.00 | 32.38 | 1000.000 | 211.0 | V | -1.0 | 2.7 |
| 11159.660000 | 55.47 | 74.00 | 18.53 | 1000.000 | 264.0 | H | 94.0 | 15.3 |
| 16442.469000 | 53.10 | 74.00 | 20.90 | 1000.000 | 241.0 | V | 104.0 | 21.4 |

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 2112.123000 | 30.19 | 54.00 | 23.81 | 1000.000 | 211.0 | V | -1.0 | 2.7 |
| 11159.660000 | 45.79 | 54.00 | 8.21 | 1000.000 | 264.0 | H | 94.0 | 15.3 |
| 16442.469000 | 40.43 | 54.00 | 13.57 | 1000.000 | 241.0 | V | 104.0 | 21.4 |

U-NII-2C Radiated Emission Results

| | |
|-------------------------|------------------------|
| EUT Name: | Display |
| Manufacturer: | Generac |
| Test Engineer: | Bryan Taylor |
| Date: | 3/21/2018 |
| Temp/Humidity/Pressure: | 22.7C/48.2%.982.0mbar |
| Comment: | 802.11n (20MHz), ch140 |

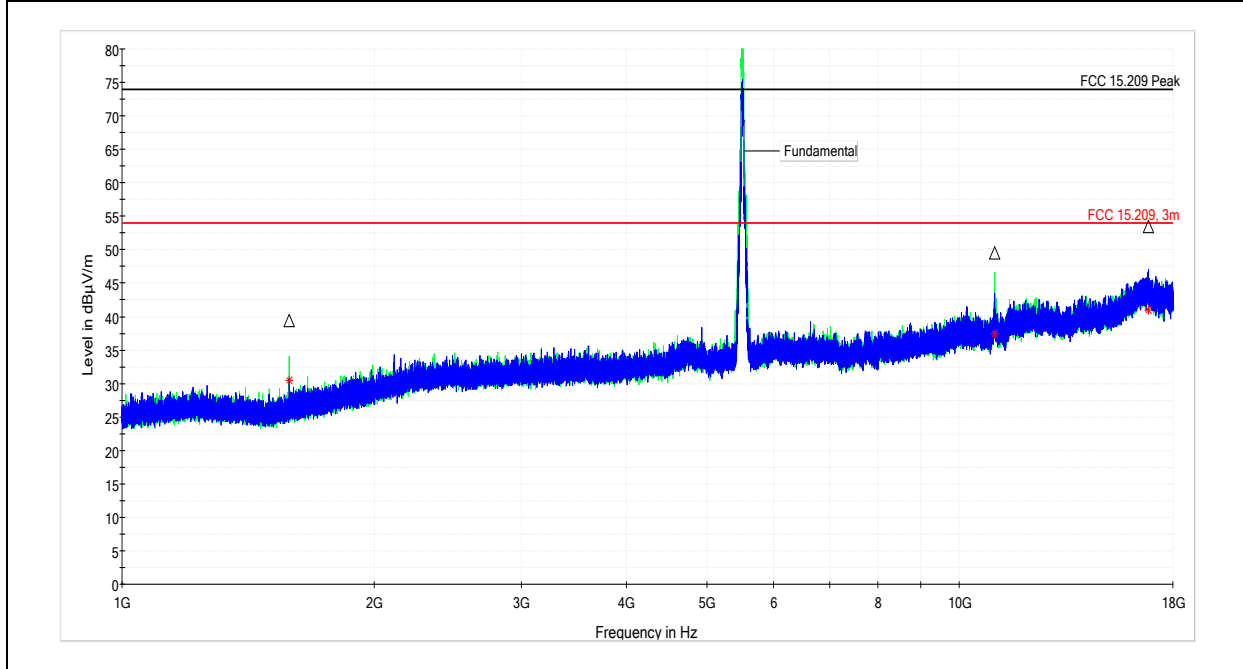


| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1583.954500 | 39.11 | 74.00 | 34.89 | 1000.000 | 350.0 | H | 53.0 | -1.3 |
| 11399.784500 | 54.58 | 74.00 | 19.42 | 1000.000 | 202.0 | H | 33.0 | 15.5 |
| 16414.053000 | 53.85 | 74.00 | 20.15 | 1000.000 | 350.0 | V | 10.0 | 21.5 |

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1583.954500 | 29.54 | 54.00 | 24.46 | 1000.000 | 350.0 | H | 53.0 | -1.3 |
| 11399.784500 | 42.59 | 54.00 | 11.41 | 1000.000 | 202.0 | H | 33.0 | 15.5 |
| 16414.053000 | 40.51 | 54.00 | 13.49 | 1000.000 | 350.0 | V | 10.0 | 21.5 |

U-NII-2C Radiated Emission Results

EUT Name: Display
 Manufacturer: Generac
 Test Engineer: Bryan Taylor
 Date: 3/21/2018
 Temp/Humidity/Pressure: 22.7C/48.2%.982.0mbar
 Comment: 802.11n (40MHz), ch102

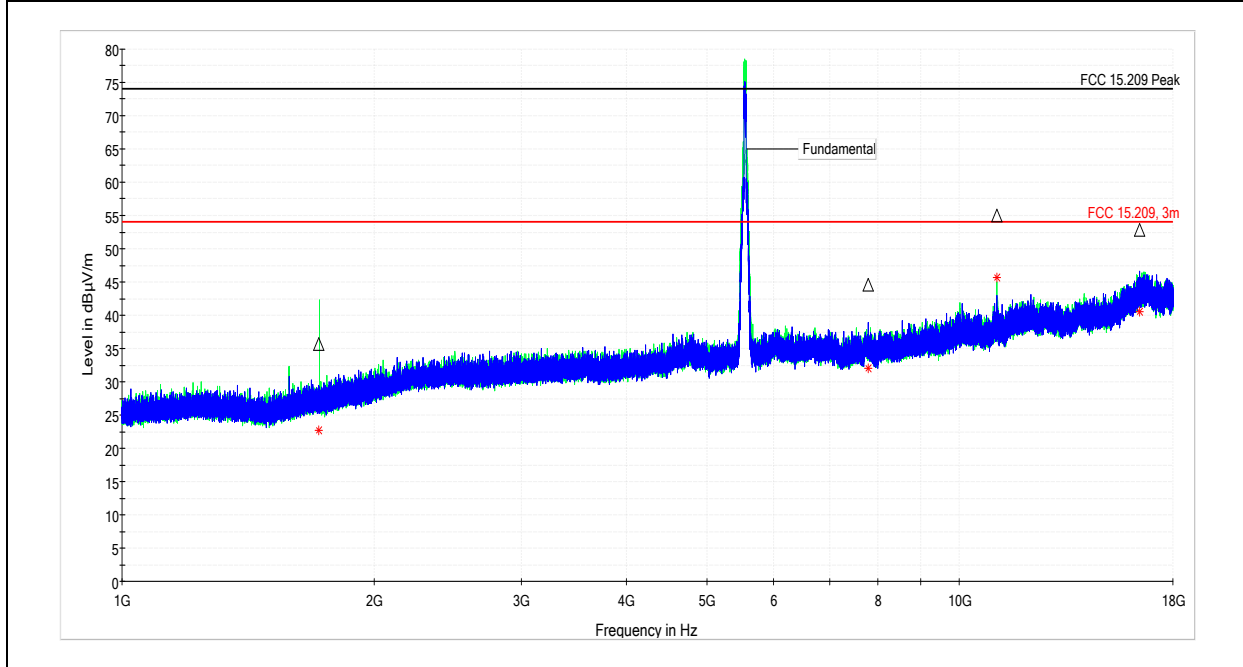


| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1584.101000 | 39.39 | 74.00 | 34.61 | 1000.000 | 350.0 | H | 42.0 | -1.3 |
| 11019.607500 | 49.48 | 74.00 | 24.52 | 1000.000 | 350.0 | H | 73.0 | 15.2 |
| 16832.569500 | 53.40 | 74.00 | 20.60 | 1000.000 | 185.0 | V | 310.0 | 21.8 |

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1584.101000 | 30.51 | 54.00 | 23.49 | 1000.000 | 350.0 | H | 42.0 | -1.3 |
| 11019.607500 | 37.42 | 54.00 | 16.58 | 1000.000 | 350.0 | H | 73.0 | 15.2 |
| 16832.569500 | 40.93 | 54.00 | 13.07 | 1000.000 | 185.0 | V | 310.0 | 21.8 |

U-NII-2C Radiated Emission Results

EUT Name: Display
 Manufacturer: Generac
 Test Engineer: Bryan Taylor
 Date: 3/21/2018
 Temp/Humidity/Pressure: 22.7C/48.2%.982.0mbar
 Comment: 802.11n (40MHz), ch110

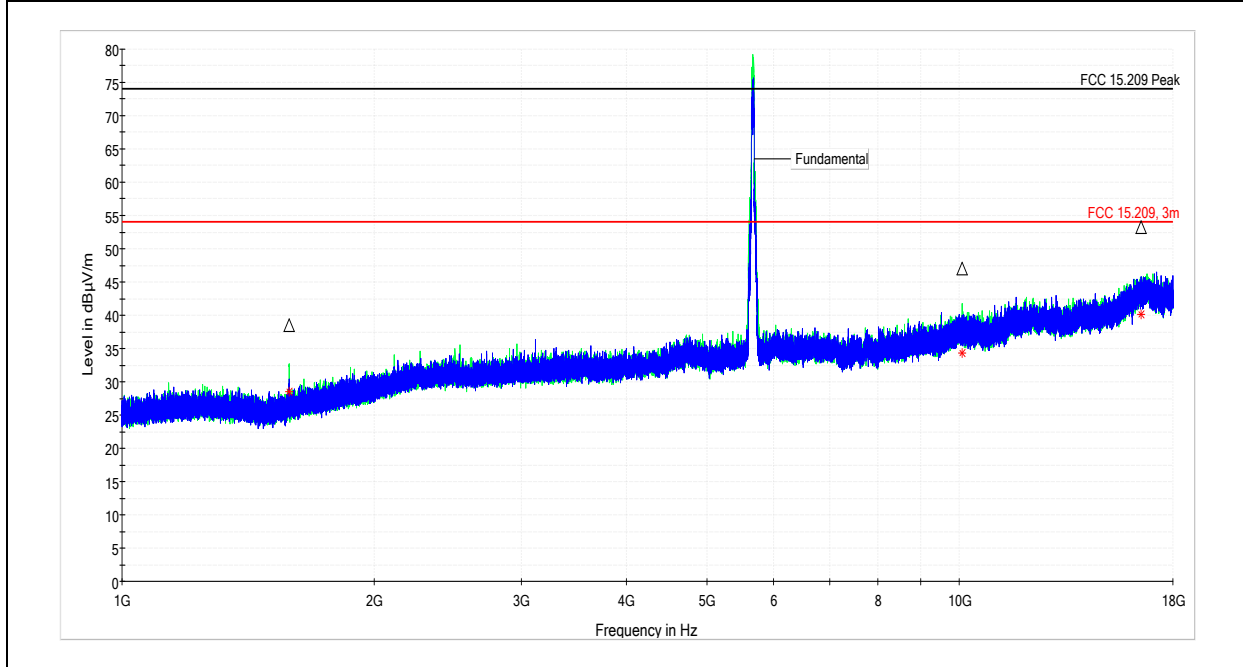


| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1717.947500 | 35.73 | 74.00 | 38.27 | 1000.000 | 298.0 | H | 284.0 | -0.2 |
| 7787.361000 | 44.60 | 74.00 | 29.40 | 1000.000 | 197.0 | V | 77.0 | 11.1 |
| 11099.656500 | 55.01 | 74.00 | 18.99 | 1000.000 | 249.0 | H | 93.0 | 15.4 |
| 16419.777000 | 52.88 | 74.00 | 21.12 | 1000.000 | 350.0 | V | 8.0 | 21.5 |

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1717.947500 | 22.74 | 54.00 | 31.26 | 1000.000 | 298.0 | H | 284.0 | -0.2 |
| 7787.361000 | 32.05 | 54.00 | 21.95 | 1000.000 | 197.0 | V | 77.0 | 11.1 |
| 11099.656500 | 45.71 | 54.00 | 8.29 | 1000.000 | 249.0 | H | 93.0 | 15.4 |
| 16419.777000 | 40.55 | 54.00 | 13.45 | 1000.000 | 350.0 | V | 8.0 | 21.5 |

U-NII-2C Radiated Emission Results

EUT Name: Display
 Manufacturer: Generac
 Test Engineer: Bryan Taylor
 Date: 3/21/2018
 Temp/Humidity/Pressure: 22.7C/48.2%.982.0mbar
 Comment: 802.11n (40MHz), ch134

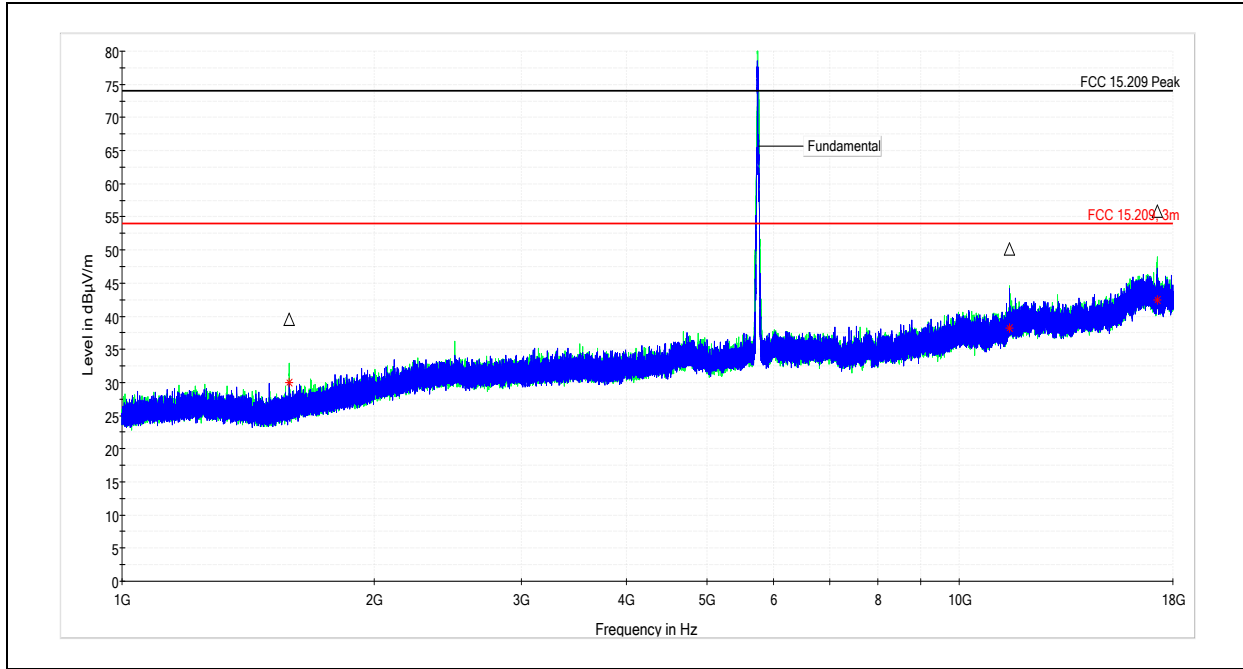


| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1584.083000 | 38.50 | 74.00 | 35.50 | 1000.000 | 350.0 | H | 55.0 | -1.3 |
| 10078.634500 | 47.01 | 74.00 | 26.99 | 1000.000 | 195.0 | H | 9.0 | 14.4 |
| 16482.552000 | 53.19 | 74.00 | 20.81 | 1000.000 | 262.0 | V | 9.0 | 21.1 |

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1584.083000 | 28.49 | 54.00 | 25.51 | 1000.000 | 350.0 | H | 55.0 | -1.3 |
| 10078.634500 | 34.34 | 54.00 | 19.66 | 1000.000 | 195.0 | H | 9.0 | 14.4 |
| 16482.552000 | 40.19 | 54.00 | 13.81 | 1000.000 | 262.0 | V | 9.0 | 21.1 |

U-NII-3 Radiated Emission Results

| | |
|-------------------------|-----------------------|
| EUT Name: | Display |
| Manufacturer: | Generac |
| Test Engineer: | Bryan Taylor |
| Date: | 3/21/2018 |
| Temp/Humidity/Pressure: | 22.7C/48.2%.982.0mbar |
| Comment: | 802.11a, ch149 |

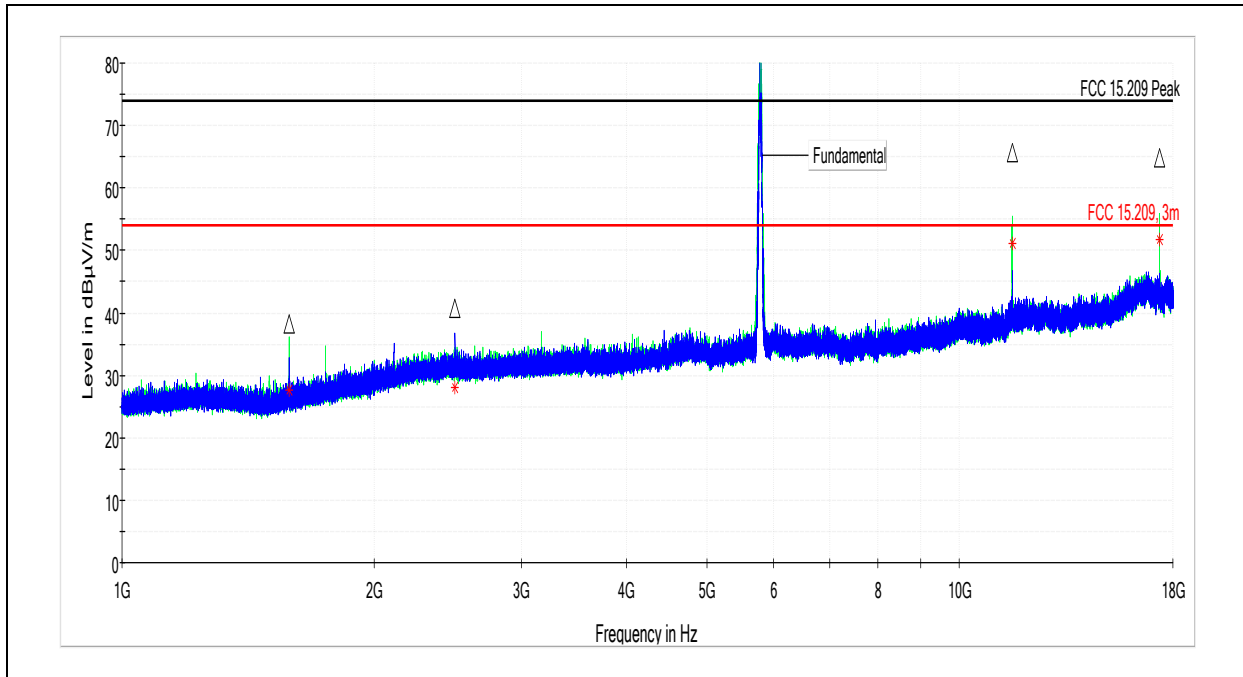


| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1583.819000 | 39.48 | 74.00 | 34.52 | 1000.000 | 350.0 | H | 41.0 | -1.4 |
| 11489.708500 | 50.15 | 74.00 | 23.85 | 1000.000 | 299.0 | H | 4.0 | 15.8 |
| 17241.207000 | 55.85 | 74.00 | 18.15 | 1000.000 | 293.0 | H | 34.0 | 21.2 |

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1583.819000 | 29.96 | 54.00 | 24.04 | 1000.000 | 350.0 | H | 41.0 | -1.4 |
| 11489.708500 | 38.25 | 54.00 | 15.75 | 1000.000 | 299.0 | H | 4.0 | 15.8 |
| 17241.207000 | 42.40 | 54.00 | 11.60 | 1000.000 | 293.0 | H | 34.0 | 21.2 |

U-NII-3 Radiated Emission Results

EUT Name: Display
 Manufacturer: Generac
 Test Engineer: Bryan Taylor
 Date: 3/23/2018
 Temp/Humidity/Pressure: 19.9C/24.9%/988.8mbar
 Comment: 802.11a, ch157

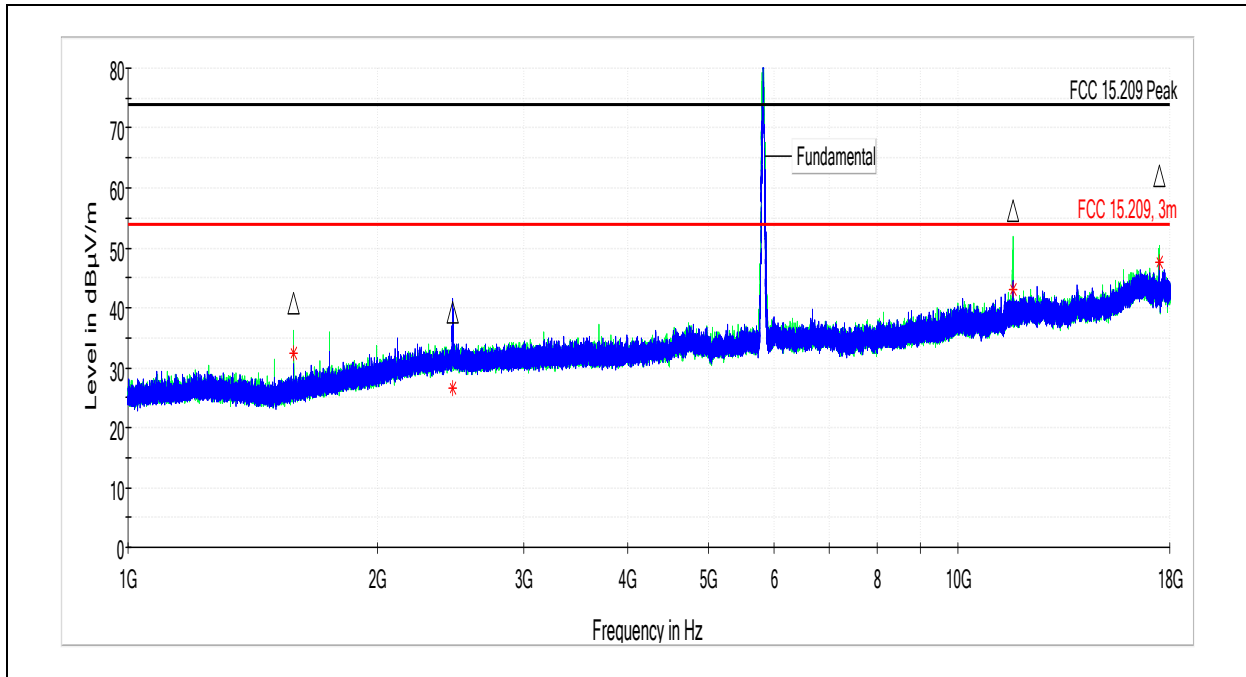


| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1584.000000 | 38.23 | 74.00 | 35.77 | 1000.000 | 285.0 | H | 82.0 | -1.3 |
| 2500.034500 | 40.66 | 74.00 | 33.34 | 1000.000 | 350.0 | V | 191.0 | 3.9 |
| 11570.426500 | 65.65 | 74.00 | 8.35 | 1000.000 | 350.0 | H | 102.0 | 15.9 |
| 17356.566000 | 64.77 | 74.00 | 9.23 | 1000.000 | 350.0 | H | 103.0 | 20.6 |

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1584.000000 | 27.68 | 54.00 | 26.32 | 1000.000 | 285.0 | H | 82.0 | -1.3 |
| 2500.034500 | 28.03 | 54.00 | 25.97 | 1000.000 | 350.0 | V | 191.0 | 3.9 |
| 11570.426500 | 51.07 | 54.00 | 2.93 | 1000.000 | 350.0 | H | 102.0 | 15.9 |
| 17356.566000 | 51.67 | 54.00 | 2.33 | 1000.000 | 350.0 | H | 103.0 | 20.6 |

U-NII-3 Radiated Emission Results

EUT Name: Display
 Manufacturer: Generac
 Test Engineer: Bryan Taylor
 Date: 3/23/2018
 Temp/Humidity/Pressure: 19.9C/24.9%/988.8mbar
 Comment: 802.11a, ch165

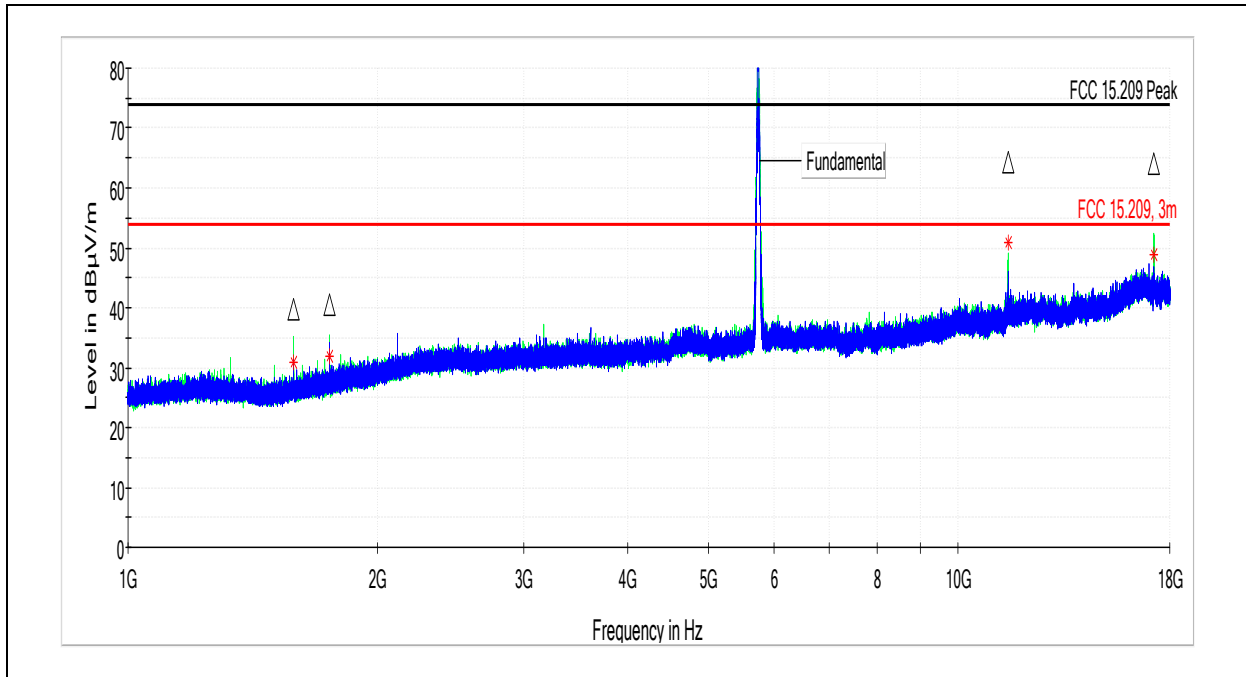


| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1583.975000 | 40.74 | 74.00 | 33.26 | 1000.000 | 190.0 | H | 76.0 | -1.3 |
| 2460.222500 | 39.36 | 74.00 | 34.64 | 1000.000 | 350.0 | V | 116.0 | 3.9 |
| 11651.327000 | 56.09 | 74.00 | 17.91 | 1000.000 | 350.0 | H | 98.0 | 16.2 |
| 17472.501000 | 62.07 | 74.00 | 11.93 | 1000.000 | 350.0 | H | 94.0 | 20.7 |

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1583.975000 | 32.28 | 54.00 | 21.72 | 1000.000 | 190.0 | H | 76.0 | -1.3 |
| 2460.222500 | 26.61 | 54.00 | 27.39 | 1000.000 | 350.0 | V | 116.0 | 3.9 |
| 11651.327000 | 42.96 | 54.00 | 11.04 | 1000.000 | 350.0 | H | 98.0 | 16.2 |
| 17472.501000 | 47.62 | 54.00 | 6.38 | 1000.000 | 350.0 | H | 94.0 | 20.7 |

U-NII-3 Radiated Emission Results

EUT Name: Display
 Manufacturer: Generac
 Test Engineer: Bryan Taylor
 Date: 3/23/2018
 Temp/Humidity/Pressure: 19.9C/24.9%/988.8mbar
 Comment: 802.11n (20MHz), ch149

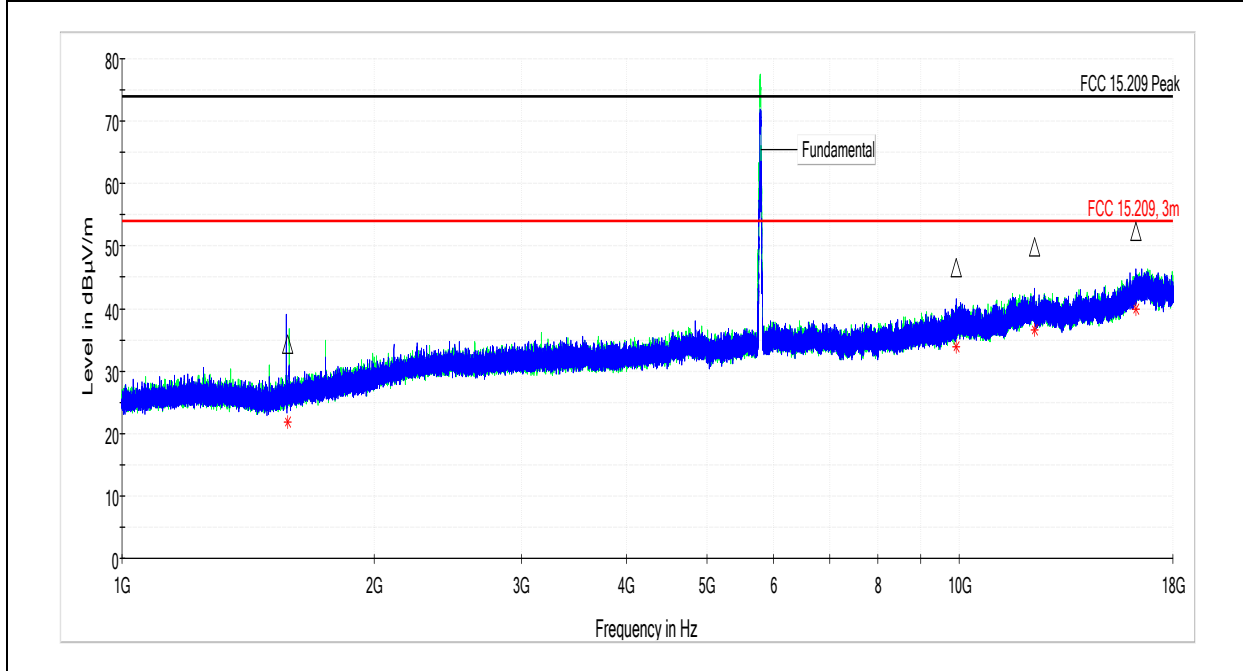


| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1583.966500 | 39.82 | 74.00 | 34.18 | 1000.000 | 231.0 | H | 73.0 | -1.3 |
| 1749.858000 | 40.57 | 74.00 | 33.43 | 1000.000 | 350.0 | H | 105.0 | 0.1 |
| 11489.967000 | 64.42 | 74.00 | 9.58 | 1000.000 | 350.0 | H | 304.0 | 15.8 |
| 17231.602500 | 64.02 | 74.00 | 9.98 | 1000.000 | 322.0 | H | 95.0 | 21.3 |

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1583.966500 | 31.00 | 54.00 | 23.00 | 1000.000 | 231.0 | H | 73.0 | -1.3 |
| 1749.858000 | 31.79 | 54.00 | 22.21 | 1000.000 | 350.0 | H | 105.0 | 0.1 |
| 11489.967000 | 50.93 | 54.00 | 3.07 | 1000.000 | 350.0 | H | 304.0 | 15.8 |
| 17231.602500 | 48.94 | 54.00 | 5.06 | 1000.000 | 322.0 | H | 95.0 | 21.3 |

U-NII-3 Radiated Emission Results

| | |
|-------------------------|------------------------|
| EUT Name: | Display |
| Manufacturer: | Generac |
| Test Engineer: | Bryan Taylor |
| Date: | 3/23/2018 |
| Temp/Humidity/Pressure: | 19.9C/24.9%/988.8mbar |
| Comment: | 802.11n (20MHz), ch157 |

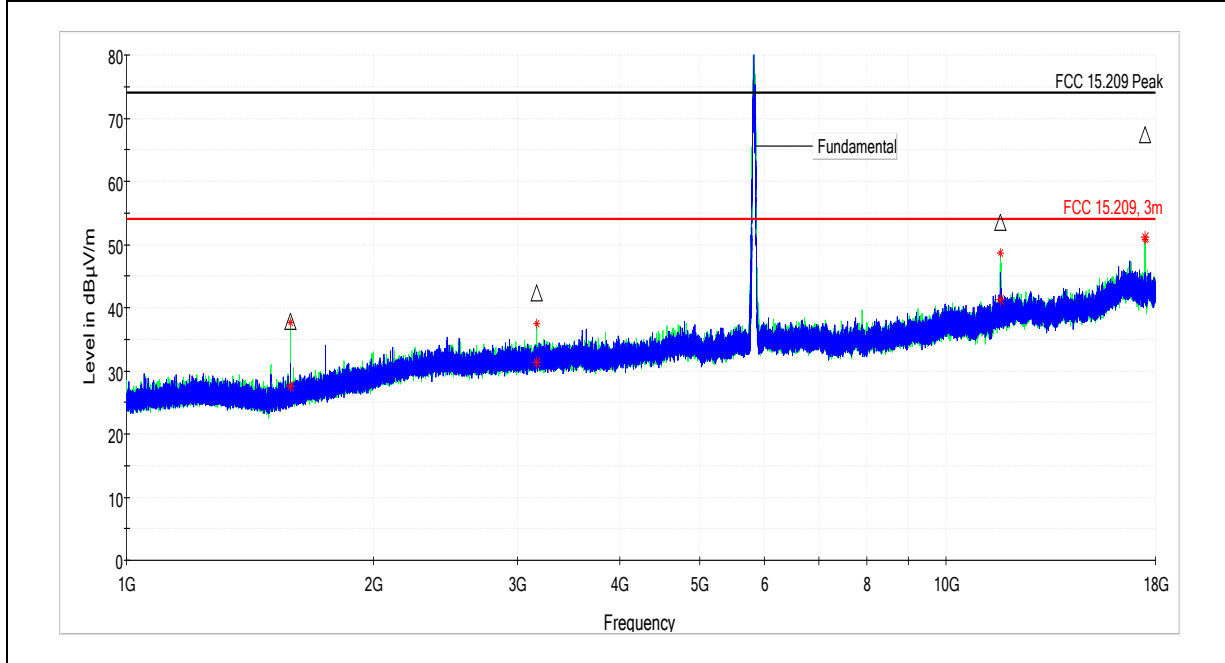


| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1577.215500 | 34.22 | 74.00 | 39.78 | 1000.000 | 194.0 | V | 214.0 | -1.4 |
| 9917.429500 | 46.53 | 74.00 | 27.47 | 1000.000 | 350.0 | V | 212.0 | 14.0 |
| 12314.155500 | 49.87 | 74.00 | 24.13 | 1000.000 | 350.0 | V | 275.0 | 16.8 |
| 16264.093500 | 52.35 | 74.00 | 21.65 | 1000.000 | 350.0 | V | 172.0 | 21.1 |

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1577.215500 | 21.73 | 54.00 | 32.27 | 1000.000 | 194.0 | V | 214.0 | -1.4 |
| 9917.429500 | 33.90 | 54.00 | 20.10 | 1000.000 | 350.0 | V | 212.0 | 14.0 |
| 12314.155500 | 36.49 | 54.00 | 17.51 | 1000.000 | 350.0 | V | 275.0 | 16.8 |
| 16264.093500 | 39.96 | 54.00 | 14.04 | 1000.000 | 350.0 | V | 172.0 | 21.1 |

U-NII-3 Radiated Emission Results

EUT Name: Display
 Manufacturer: Generac
 Test Engineer: Bryan Taylor
 Date: 3/23/2018
 Temp/Humidity/Pressure: 19.9C/24.9%/988.8mbar
 Comment: 802.11n (20MHz), ch165

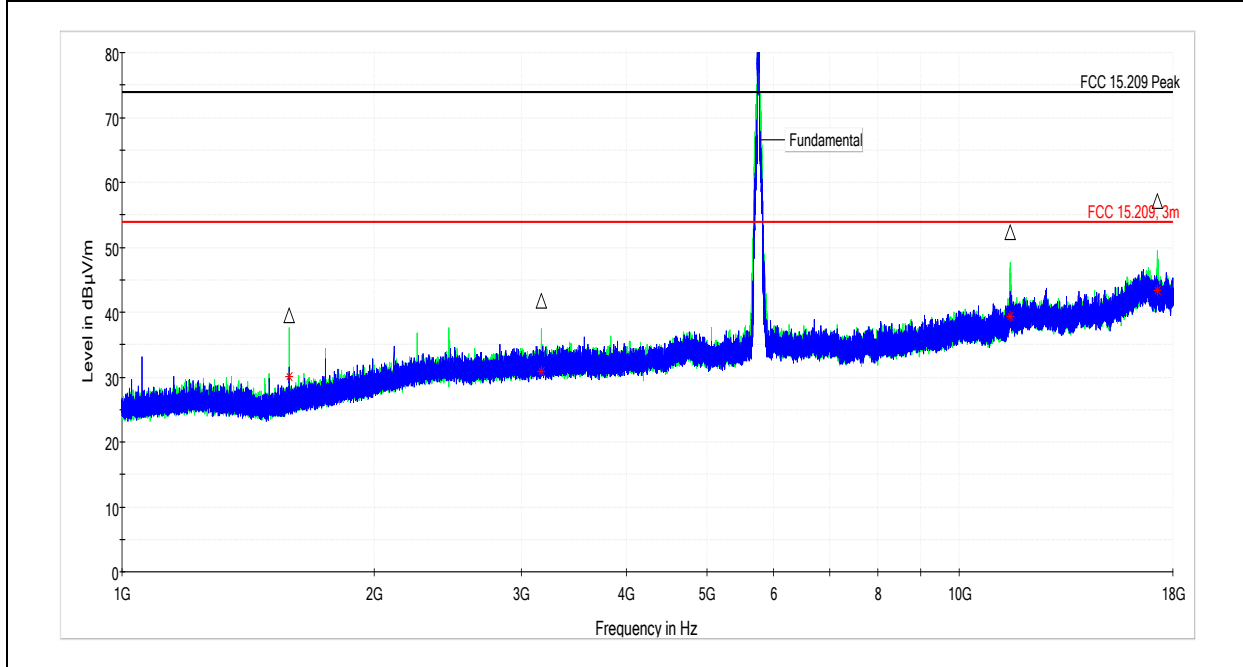


| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1584.045500 | 37.86 | 74.00 | 36.14 | 1000.000 | 350.0 | H | 8.0 | -1.3 |
| 3167.813000 | 42.41 | 74.00 | 31.59 | 1000.000 | 350.0 | H | 48.0 | 5.0 |
| 11649.678000 | 53.46 | 74.00 | 20.54 | 1000.000 | 410.0 | H | 151.0 | 16.2 |
| 17471.698500 | 67.30 | 74.00 | 6.70 | 1000.000 | 410.0 | H | 306.0 | 20.7 |

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1584.045500 | 27.51 | 54.00 | 26.49 | 1000.000 | 350.0 | H | 8.0 | -1.3 |
| 3167.813000 | 31.33 | 54.00 | 22.67 | 1000.000 | 350.0 | H | 48.0 | 5.0 |
| 11649.678000 | 41.25 | 54.00 | 12.75 | 1000.000 | 410.0 | H | 151.0 | 16.2 |
| 17471.698500 | 51.12 | 54.00 | 2.88 | 1000.000 | 410.0 | H | 306.0 | 20.7 |

U-NII-3 Radiated Emission Results

EUT Name: Display
 Manufacturer: Generac
 Test Engineer: Brian Daffin
 Date: 3/23/2018
 Temp/Humidity/Pressure: 19.9C/24.9%/988.8mbar
 Comment: 802.11n (40MHz), ch151

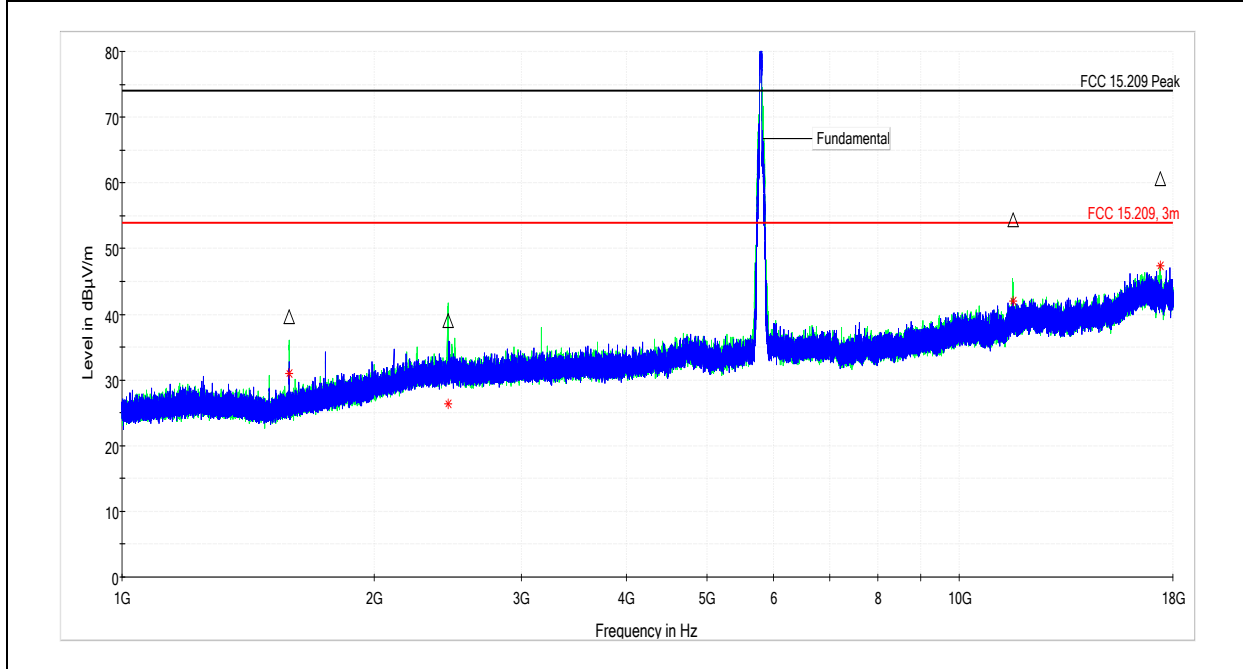


| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1584.013000 | 39.49 | 74.00 | 34.51 | 1000.000 | 229.0 | H | 197.0 | -1.3 |
| 3168.115000 | 41.84 | 74.00 | 32.16 | 1000.000 | 350.0 | H | 206.0 | 5.0 |
| 11511.384500 | 52.31 | 74.00 | 21.69 | 1000.000 | 350.0 | H | 116.0 | 15.8 |
| 17256.910500 | 57.14 | 74.00 | 16.86 | 1000.000 | 350.0 | H | 120.0 | 21.1 |

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1584.013000 | 30.03 | 54.00 | 23.97 | 1000.000 | 229.0 | H | 197.0 | -1.3 |
| 3168.115000 | 30.82 | 54.00 | 23.18 | 1000.000 | 350.0 | H | 206.0 | 5.0 |
| 11511.384500 | 39.42 | 54.00 | 14.58 | 1000.000 | 350.0 | H | 116.0 | 15.8 |
| 17256.910500 | 43.29 | 54.00 | 10.71 | 1000.000 | 350.0 | H | 120.0 | 21.1 |

U-NII-3 Radiated Emission Results

EUT Name: Display
 Manufacturer: Generac
 Test Engineer: Brian Daffin
 Date: 3/23/2018
 Temp/Humidity/Pressure: 19.9C/24.9%/988.8mbar
 Comment: 802.11n (40MHz), ch159



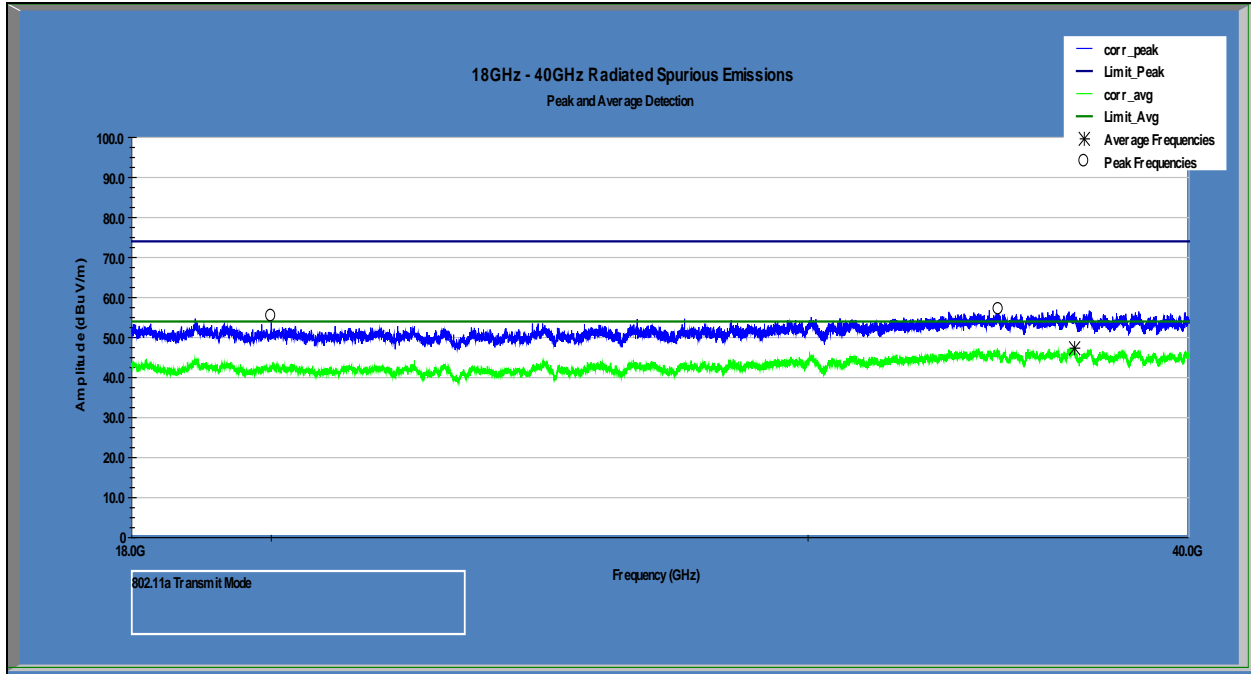
| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1584.062000 | 39.70 | 74.00 | 34.30 | 1000.000 | 231.0 | H | 196.0 | -1.3 |
| 2453.276500 | 39.02 | 74.00 | 34.98 | 1000.000 | 271.0 | H | 64.0 | 3.9 |
| 11589.465000 | 54.43 | 74.00 | 19.57 | 1000.000 | 350.0 | H | 119.0 | 16.1 |
| 17386.371000 | 60.60 | 74.00 | 13.40 | 1000.000 | 350.0 | H | 112.0 | 20.6 |

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 1584.062000 | 30.93 | 54.00 | 23.07 | 1000.000 | 231.0 | H | 196.0 | -1.3 |
| 2453.276500 | 26.42 | 54.00 | 27.58 | 1000.000 | 271.0 | H | 64.0 | 3.9 |
| 11589.465000 | 42.03 | 54.00 | 11.97 | 1000.000 | 350.0 | H | 119.0 | 16.1 |
| 17386.371000 | 47.33 | 54.00 | 6.67 | 1000.000 | 350.0 | H | 112.0 | 20.6 |

18 – 40GHz Radiated Emission Results

(Representative of all TX Modes)

| | |
|-------------------------|---------------------------------|
| EUT Name: | Display |
| Manufacturer: | Generac |
| Test Engineer: | Bryan Taylor |
| Date: | 3/23/2018 |
| Temp/Humidity/Pressure: | 19.9C/24.9%/988.8mbar |
| Comment: | 802.11a, U-NII-1, Ch44, 5220MHz |



| Frequency (GHz) | Peak (dBuV/m) | Peak Limit (dBuV/m) | Peak Margin (dB) |
|-----------------|---------------|---------------------|------------------|
| 20.000 GHz | 55.28 | 74.00 | 18.72 |
| 34.643 GHz | 57.02 | 74.00 | 16.98 |

| Frequency (GHz) | Average (dBuV/m) | Limit (dBuV/m) | Average Margin (dB) |
|-----------------|------------------|----------------|---------------------|
| 36.689 GHz | 47.32 | 54.00 | 26.68 |

6 Radiated Spurious Emissions (Receiver)

6.1 Test Limits:

§ 15.109: Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

RSS-Gen (7.1.2): Radiated emission measurements shall be performed with the receiver antenna connected to the receiver antenna terminals. The search for spurious emissions shall be from the lowest frequency internally generated or used in the receiver (e.g. local oscillator, intermediate or carrier frequency), or 30 MHz, whichever is higher, to at least 5x the highest tunable or local oscillator frequency, whichever is higher, without exceeding 40 GHz. Spurious emissions from receivers shall not exceed the radiated limits shown below:

| Frequency of emission (MHz) | Field strength (microvolts/meter) | Field strength (dBuV/m) |
|-----------------------------|-----------------------------------|-------------------------|
| 30–88 | 100 | 40 |
| 88–216 | 150 | 43.5 |
| 216–960 | 200 | 46 |
| Above 960 | 500 | 54 |

6.2 Test Procedure:

ANSI C63.4: 2014

6.3 Example of Field Strength Calculation Method:

The measured field strength was calculated by summing the readings taken from the spectrum analyzer with the appropriate correction factors associated with the antenna losses and cable losses. The calculation formula and sample calculations are listed below:

Formula:

$$FS = RA + AF + CF$$

FS = Field Strength in dB μ V/m

RA = Receiver Amplitude in dB μ V

AF = Antenna Factor in dB

CF = Cable Attenuation Factor in dB (Including preamplifier and filter attenuation)

Example Calculation:

$$RA = 19.48 \text{ dB}\mu\text{V}$$

$$AF = 18.52 \text{ dB}$$

$$CF = 0.78 \text{ dB}$$

$$FS = 19.48 + 18.52 + 0.78 = 38.78 \text{ dB}\mu\text{V/m}$$

$$\text{Level in } \mu\text{V/m} = \text{Common Antilogarithm } [(38.78 \text{ dB}\mu\text{V/m})/20] = 86.89 \mu\text{V/m}$$

6.4 Test Equipment Used:

| Description | Asset | Manufacturer | Model | Cal Date | Cal Due |
|--------------------------------------|-------|----------------|-------------|-----------------------------|-----------------------------|
| EMI Test Receiver | 3900 | Rohde&Schwarz | ESU40 | 9/20/2017 | 9/20/2018 |
| Bilog Antenna | 3133 | ETS Lindgren | 3142C | 4/6/2017 | 4/6/2018 |
| Horn Antenna | 3780 | ETS Lindgren | 3117 | 6/1/2017 | 6/1/2018 |
| System Controller | 4096 | ETS Lindgren | 2090 | Verify at Time of Use | Verify at Time of Use |
| System Controller | 3957 | Sunol Sciences | SC99V | Verify at Time of Use | Verify at Time of Use |
| 3m Cable Antenna→Preamp | 3074 | | | 11/29/2017 | 11/29/2018 |
| 3m Cable Preamplifier | 3918 | TS-PR18 | 122005 | 11/29/2017 | 11/29/2018 |
| 3m Cable Preamp→Chamber | 2588 | | | 11/29/2017 | 11/29/2018 |
| 3m Cable Chamber→Control Room | 2593 | | | 11/29/2017 | 11/29/2018 |
| 3m Cable Control Room→Receiver | 2592 | | | 11/29/2017 | 11/29/2018 |
| 10m Cable Antenna→Preamp | 3339 | | | 11/29/2017 | 11/29/2018 |
| 10m Cable Preamplifier | 7019 | ZX60-3018G-S+ | SUU63801252 | 11/29/2017 | 11/29/2018 |
| 10m Cable Preamp→Chamber | 3172 | | | 11/29/2017 | 11/29/2018 |
| 10m Cable Chamber→Control Room | 2590 | | | 11/29/2017 | 11/29/2018 |
| 10m Cable Control Room→Receiver | 2589 | | | 11/29/2017 | 11/29/2018 |

6.5 Test Results:

The device was found to be **compliant**. All spurious emissions with the test sample in receive mode were below the limits specified in Part 15.109 for a class A digital device and RSS-GEN Section 6.1.

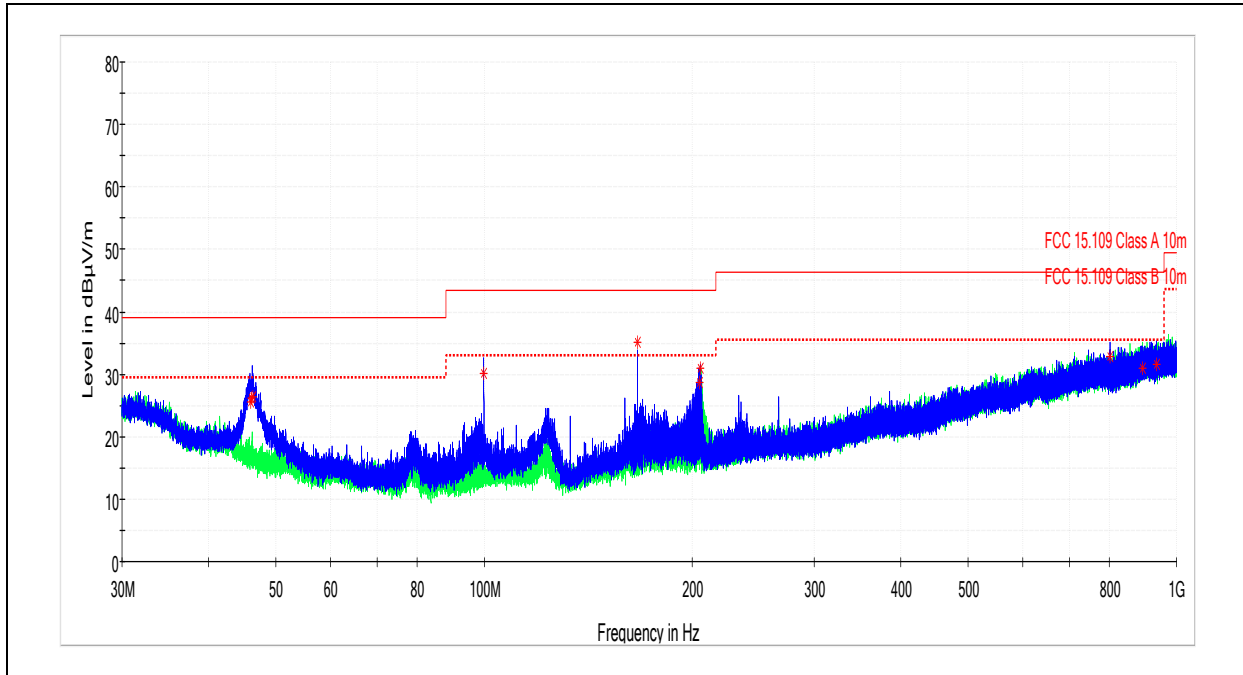
6.6 Test Conditions:

| | |
|---|---|
| Test Personnel: <u>Carmen Davis</u> Supervising/Reviewing Engineer: (Where Applicable) <u>NA</u> Input Voltage: <u>120V/60Hz</u> Limit: <u>Class A</u> | Test Date: <u>3/16/2018</u> Ambient Temperature: <u>21.6C</u> Relative Humidity: <u>20.9%</u> Atmospheric Pressure: <u>985.4mbar</u> |
|---|---|

6.7 Test Data:

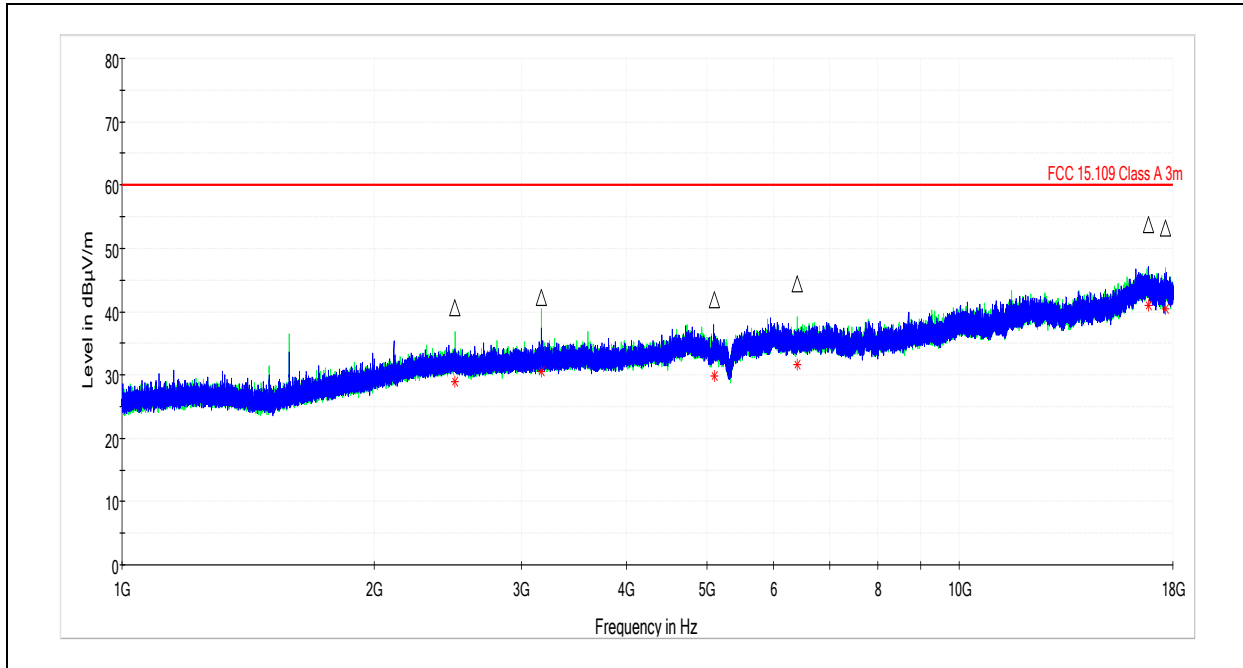
The worst case test data is shown below. Note that emissions were investigated with the test sample in its worst operating position across 3 orthogonal axes.

6.7.1 Receive / Idle Mode, Bilog:



| Frequency (MHz) | QuasiPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|--------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 45.966500 | 25.65 | 39.00 | 13.35 | 120.000 | 341.9 | V | 92.0 | -3.5 |
| 46.123400 | 26.21 | 39.00 | 12.79 | 120.000 | 364.6 | V | 236.0 | -3.6 |
| 46.365500 | 26.44 | 39.00 | 12.56 | 120.000 | 102.9 | V | 285.0 | -3.7 |
| 99.891788 | 30.17 | 43.50 | 13.33 | 120.000 | 98.1 | V | 162.0 | -5.1 |
| 166.513300 | 35.10 | 43.50 | 8.4 | 120.000 | 102.2 | V | -1.0 | -2.5 |
| 204.656300 | 28.66 | 45.30 | 14.84 | 120.000 | 97.9 | V | 76.0 | -1.5 |
| 205.175700 | 30.94 | 45.30 | 12.56 | 120.000 | 98.0 | V | 92.0 | -1.4 |
| 801.850000 | 32.83 | 46.40 | 13.57 | 120.000 | 397.1 | V | 196.0 | 15.3 |
| 894.137700 | 31.04 | 46.40 | 15.36 | 120.000 | 397.1 | H | 0.0 | 17.2 |
| 936.167300 | 31.58 | 46.40 | 14.82 | 120.000 | 211.8 | V | 344.0 | 17.7 |

6.7.2 Receive / Idle Mode, Horn:



| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 2499.881500 | 40.55 | 100.00 | 59.45 | 1000.000 | 400.0 | H | 178.0 | 3.9 |
| 3168.048000 | 42.19 | 100.00 | 57.81 | 1000.000 | 206.0 | H | 216.0 | 5.0 |
| 5098.391000 | 41.94 | 100.00 | 58.06 | 1000.000 | 300.0 | V | 75.0 | 7.7 |
| 6410.973000 | 44.36 | 100.00 | 55.64 | 1000.000 | 400.0 | H | -9.0 | 10.3 |
| 16822.416000 | 53.80 | 100.00 | 46.20 | 1000.000 | 320.0 | V | 92.0 | 21.8 |
| 17643.363000 | 53.13 | 100.00 | 46.87 | 1000.000 | 205.0 | H | 2.0 | 21.1 |

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 2499.881500 | 28.99 | 60.00 | 31.01 | 1000.000 | 400.0 | H | 178.0 | 3.9 |
| 3168.048000 | 30.63 | 60.00 | 29.37 | 1000.000 | 206.0 | H | 216.0 | 5.0 |
| 5098.391000 | 29.79 | 60.00 | 30.21 | 1000.000 | 300.0 | V | 75.0 | 7.7 |
| 6410.973000 | 31.66 | 60.00 | 28.34 | 1000.000 | 400.0 | H | -9.0 | 10.3 |
| 16822.416000 | 40.96 | 60.00 | 19.04 | 1000.000 | 320.0 | V | 92.0 | 21.8 |
| 17643.363000 | 40.49 | 60.00 | 19.51 | 1000.000 | 205.0 | H | 2.0 | 21.1 |

7 AC Powerline Conducted Emissions

7.1 Test Limits:

§ 15.107(e): Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

RSS-Gen (8.8): A radio apparatus that is designed to be connected to the public utility (AC) power line shall ensure that the radio frequency voltage, which is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz-30 MHz, shall not exceed the limits in Table 3. Unless the requirements applicable to a given device state otherwise, for any radio apparatus equipped to operate from the public utility AC power supply either directly or indirectly (such as with a battery charger), the radio frequency voltage of emissions conducted back onto the AC power lines in the frequency range of 0.15 MHz to 30 MHz shall not exceed the limits shown in the table below. The more stringent limit applies at the frequency range boundaries.

| Frequency of emission (MHz) | Conducted limit (dB μ V) | |
|-----------------------------|------------------------------|-----------|
| | Quasi-peak | Average |
| 0.15–0.5 | 66 to 56* | 56 to 46* |
| 0.5–5 | 56 | 46 |
| 5–30 | 60 | 50 |

*Decreases with the logarithm of the frequency.

7.2 Test Procedure:

ANSI C63.4: 2014

7.3 Test Equipment Used:

| Description | Asset | Manufacturer | Model | Cal Date | Cal Due |
|-------------------|-------|---------------|-------|-----------|-----------|
| EMI Test Receiver | 2327 | Rohde&Schwarz | ES126 | 9/20/2017 | 9/20/2018 |
| LISN | 3333 | Teseq | NNB52 | 6/15/2017 | 6/15/2018 |
| Coaxial Cable | 7024 | | | 12/1/2017 | 12/1/2018 |

7.4 Test Results:

The device was found to be **compliant**.

7.5 Test Conditions:

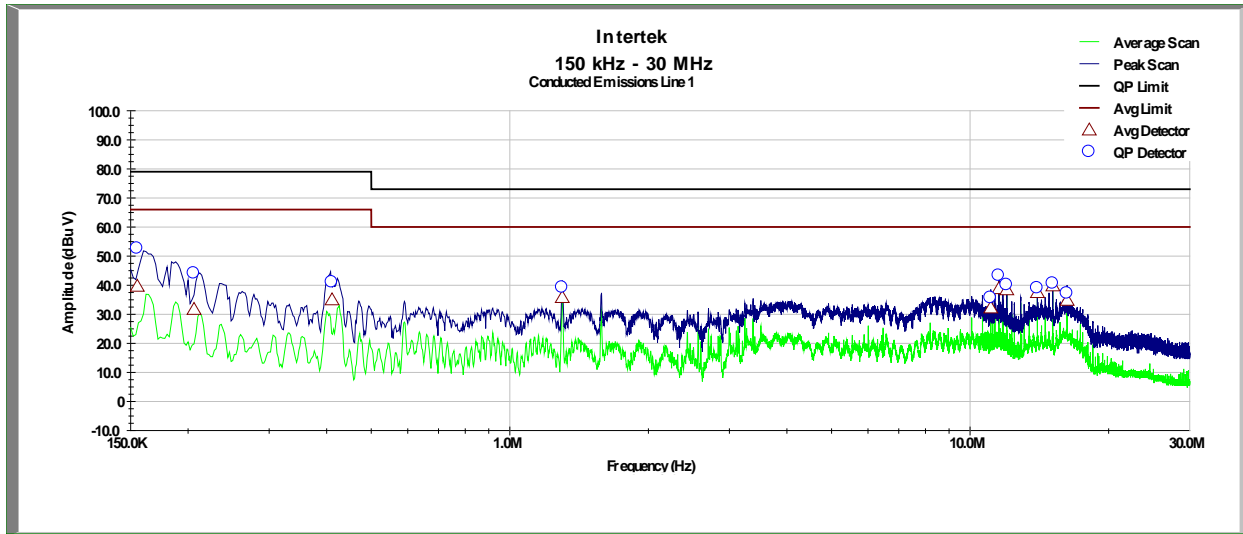
Test Personnel: B. Lackey
 Supervising/Reviewing
 Engineer:
 (Where Applicable) NA
 Input Voltage: 120V/60Hz
 Limit: Class A

Test Date: 4/2/2018

Ambient Temperature: 22.1C
 Relative Humidity: 59.9%
 Atmospheric Pressure: 985.4mbar

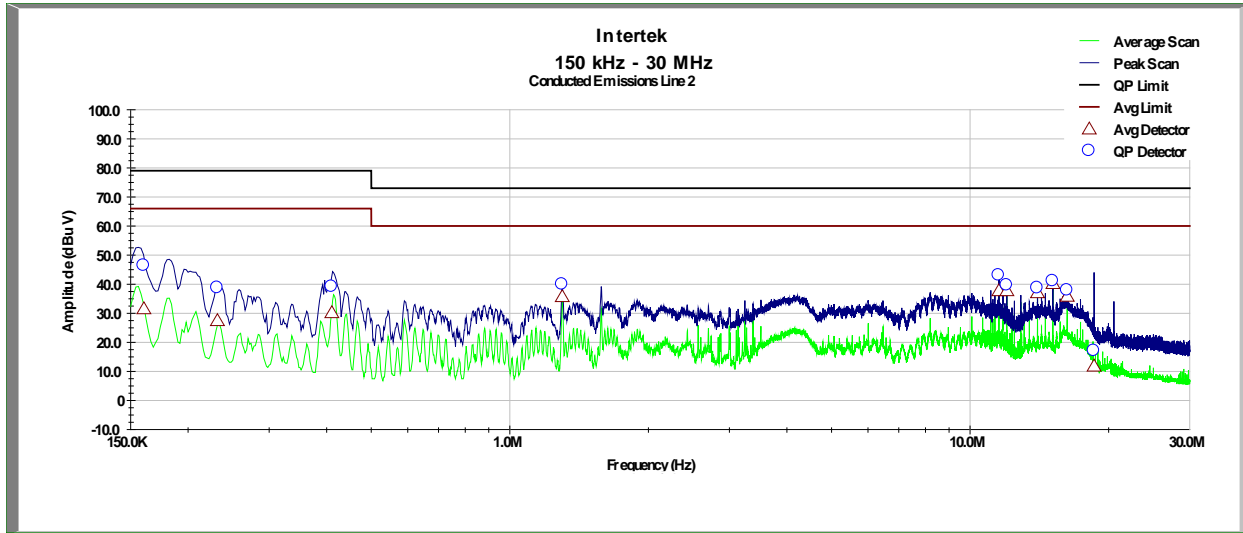
7.6 Test Data:

7.6.1 Quasi-Peak and Average Measurements (Transmitting Line 1):



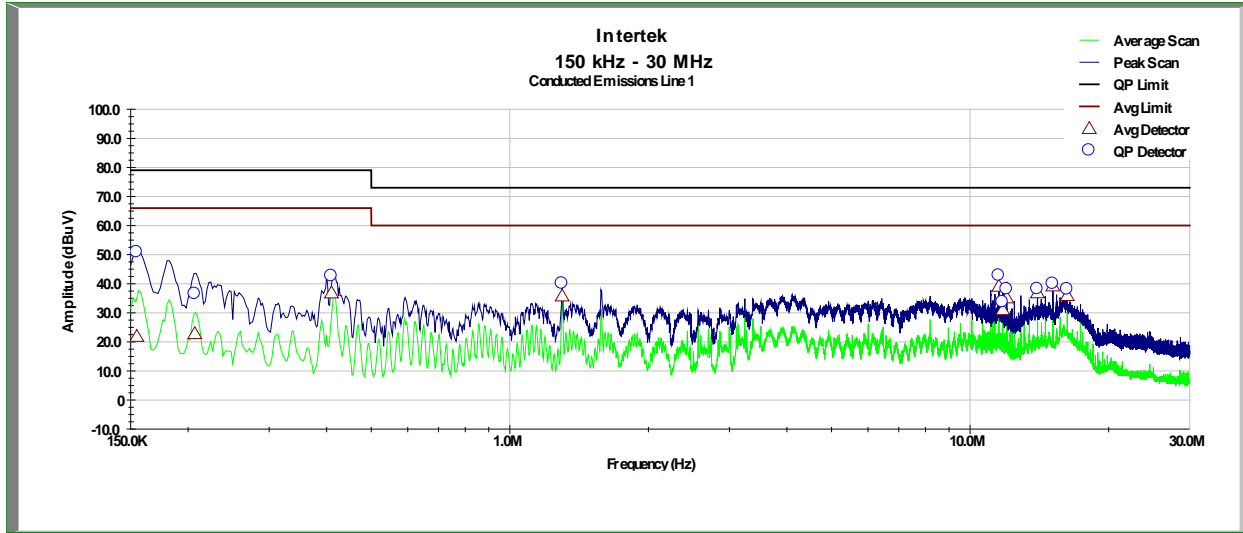
| Frequency (MHz) | Quasi-Peak (dBuV) | Quasi-Peak Limit (dBuV) | Quasi-Peak Margin (dB) | Average (dBuV) | Average Limit (dBuV) | Average Margin (dB) |
|-----------------|-------------------|-------------------------|------------------------|----------------|----------------------|---------------------|
| 0.155 | 52.544 | 79.000 | 26.456 | 39.618 | 66.000 | 26.382 |
| 0.206 | 43.981 | 79.000 | 35.019 | 31.658 | 66.000 | 34.342 |
| 0.411 | 40.971 | 79.000 | 38.029 | 34.955 | 66.000 | 31.045 |
| 1.300 | 39.139 | 73.000 | 33.861 | 35.750 | 60.000 | 24.250 |
| 11.090 | 35.540 | 73.000 | 37.460 | 32.169 | 60.000 | 27.831 |
| 11.551 | 43.221 | 73.000 | 29.779 | 38.788 | 60.000 | 21.212 |
| 12.016 | 40.017 | 73.000 | 32.983 | 38.416 | 60.000 | 21.584 |
| 14.010 | 38.942 | 73.000 | 34.058 | 37.467 | 60.000 | 22.533 |
| 15.130 | 40.520 | 73.000 | 32.480 | 39.770 | 60.000 | 20.230 |
| 16.248 | 37.134 | 73.000 | 35.866 | 34.807 | 60.000 | 25.193 |

7.6.2 Quasi-Peak and Average Measurements (Transmitting Line 2):



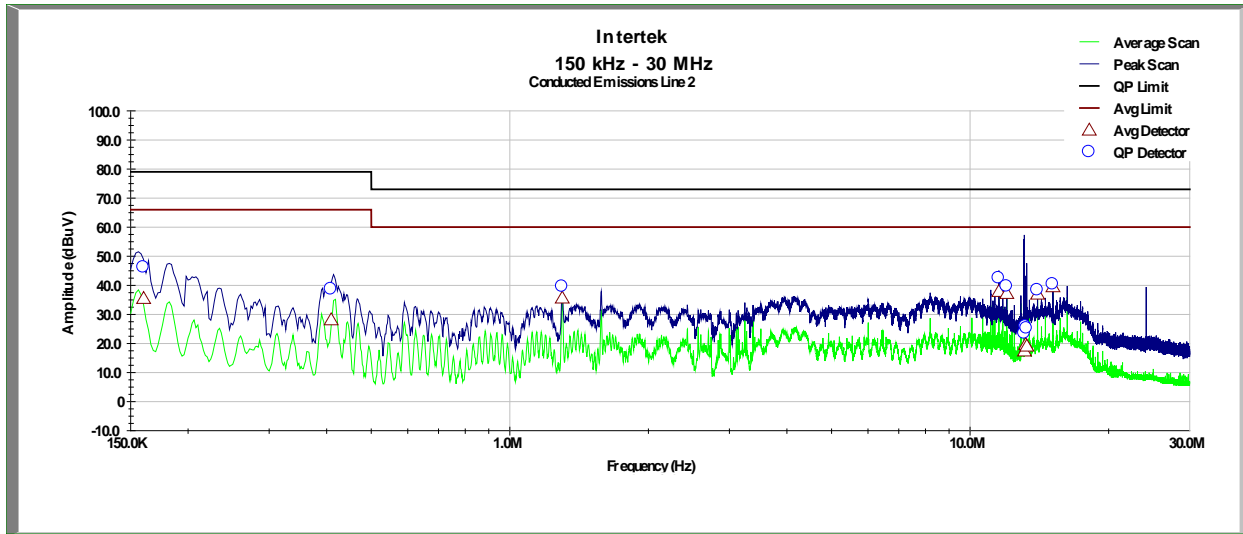
| Frequency (MHz) | Quasi-Peak (dBuV) | Quasi-Peak Limit (dBuV) | Quasi-Peak Margin (dB) | Average (dBuV) | Average Limit (dBuV) | Average Margin (dB) |
|-----------------|-------------------|-------------------------|------------------------|----------------|----------------------|---------------------|
| 0.160 | 46.337 | 79.000 | 32.663 | 31.536 | 66.000 | 34.464 |
| 0.232 | 38.679 | 79.000 | 40.321 | 27.459 | 66.000 | 38.541 |
| 0.410 | 39.069 | 79.000 | 39.931 | 30.194 | 66.000 | 35.806 |
| 1.300 | 39.882 | 73.000 | 33.118 | 35.728 | 60.000 | 24.272 |
| 11.549 | 42.976 | 73.000 | 30.024 | 37.742 | 60.000 | 22.258 |
| 12.018 | 39.585 | 73.000 | 33.415 | 37.736 | 60.000 | 22.264 |
| 14.012 | 38.590 | 73.000 | 34.410 | 37.065 | 60.000 | 22.935 |
| 15.136 | 40.993 | 73.000 | 32.007 | 40.215 | 60.000 | 19.785 |
| 16.256 | 37.836 | 73.000 | 35.164 | 35.853 | 60.000 | 24.147 |
| 18.599 | 16.991 | 73.000 | 56.009 | 11.811 | 60.000 | 48.189 |

7.6.3 Quasi-Peak and Average Measurements (Receive Mode Line 1):



| Frequency (MHz) | Quasi-Peak (dBuV) | Quasi-Peak Limit (dBuV) | Quasi-Peak Margin (dB) | Average (dBuV) | Average Limit (dBuV) | Average Margin (dB) |
|-----------------|-------------------|-------------------------|------------------------|----------------|----------------------|---------------------|
| 0.155 | 50.818 | 79.000 | 28.182 | 21.871 | 66.000 | 44.129 |
| 0.207 | 36.429 | 79.000 | 42.571 | 22.813 | 66.000 | 43.187 |
| 0.410 | 42.574 | 79.000 | 36.426 | 36.821 | 66.000 | 29.179 |
| 1.300 | 40.014 | 73.000 | 32.986 | 35.770 | 60.000 | 24.230 |
| 11.551 | 42.745 | 73.000 | 30.255 | 39.146 | 60.000 | 20.854 |
| 11.773 | 33.597 | 73.000 | 39.403 | 31.060 | 60.000 | 28.940 |
| 12.013 | 38.094 | 73.000 | 34.906 | 35.127 | 60.000 | 24.873 |
| 14.016 | 38.148 | 73.000 | 34.852 | 36.862 | 60.000 | 23.138 |
| 15.134 | 39.938 | 73.000 | 33.062 | 39.234 | 60.000 | 20.766 |
| 16.259 | 38.004 | 73.000 | 34.996 | 35.913 | 60.000 | 24.087 |

7.6.4 Quasi-Peak and Average Measurements (Receive Mode Line 2):



| Frequency (MHz) | Quasi-Peak (dBuV) | Quasi-Peak Limit (dBuV) | Quasi-Peak Margin (dB) | Average (dBuV) | Average Limit (dBuV) | Average Margin (dB) |
|-----------------|-------------------|-------------------------|------------------------|----------------|----------------------|---------------------|
| 0.160 | 46.123 | 79.000 | 32.877 | 35.480 | 66.000 | 30.520 |
| 0.409 | 38.619 | 79.000 | 40.381 | 28.134 | 66.000 | 37.866 |
| 1.300 | 39.487 | 73.000 | 33.513 | 35.599 | 60.000 | 24.401 |
| 11.549 | 42.385 | 73.000 | 30.615 | 37.873 | 60.000 | 22.127 |
| 12.016 | 39.553 | 73.000 | 33.447 | 37.195 | 60.000 | 22.805 |
| 13.126 | 23.401 | 73.000 | 49.599 | 17.414 | 60.000 | 42.586 |
| 13.211 | 25.773 | 73.000 | 47.227 | 19.675 | 60.000 | 40.325 |
| 13.278 | 25.136 | 73.000 | 47.864 | 19.087 | 60.000 | 40.913 |
| 14.017 | 38.268 | 73.000 | 34.732 | 36.975 | 60.000 | 23.025 |
| 15.137 | 40.283 | 73.000 | 32.717 | 39.482 | 60.000 | 20.518 |

8 Antenna Requirement per FCC Part 15.203

8.1 Test Limits:

§ 15.203: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

RSS-Gen (8.3): Testing shall be performed using the highest gain antenna of each combination of licence-exempt transmitter and antenna type, with the transmitter output power set at the maximum level. 8 When a measurement at the antenna connector is used to determine RF output power, the effective gain of the device’s antenna shall be stated, based on a measurement or on data from the antenna manufacturer.

8.2 Test Results:

The device was found to be **compliant**. The sample tested met the antenna requirement. The antenna uses a unique coupling and not a standard antenna jack.

8.3 Test Conditions:

| | | | |
|---------------------------------|---------------------|-----------------------|------------------|
| Test Personnel: | <u>Brian Lackey</u> | Test Date: | <u>3/16/2018</u> |
| Supervising/Reviewing Engineer: | | | |
| (Where Applicable) | <u>NA</u> | Ambient Temperature: | <u>21.6C</u> |
| Input Voltage: | <u>120V/60Hz</u> | Relative Humidity: | <u>20.9%</u> |
| | | Atmospheric Pressure: | <u>985.4mbar</u> |

9 Measurement Uncertainty

The measured value related to the corresponding limit will be used to decide whether the equipment meets the requirements.

The measurement uncertainty figures were calculated and correspond to a coverage factor of $k = 2$, providing a confidence level of respectively 95.45 % in the case where the distributions characterizing the actual measurement uncertainties are normal (Gaussian).

Measurement uncertainty Table

| Parameter | Uncertainty | Notes |
|--|--------------------|-------|
| Radiated emissions, 30 to 1000 MHz | $\pm 3.9\text{dB}$ | |
| Radiated emissions, 1 to 18 GHz | $\pm 4.2\text{dB}$ | |
| Radiated emissions, 18 to 40 GHz | $\pm 4.3\text{dB}$ | |
| Power Port Conducted emissions, 150kHz to 30 MHz | $\pm 2.8\text{dB}$ | |

10 Revision History

| Revision Level | Date | Report Number | Notes |
|-----------------------|-------------|----------------------|----------------|
| 0 | 4/3/2018 | 103419539LEX-001 | Original Issue |
| | | | |
| | | | |
| | | | |
| | | | |