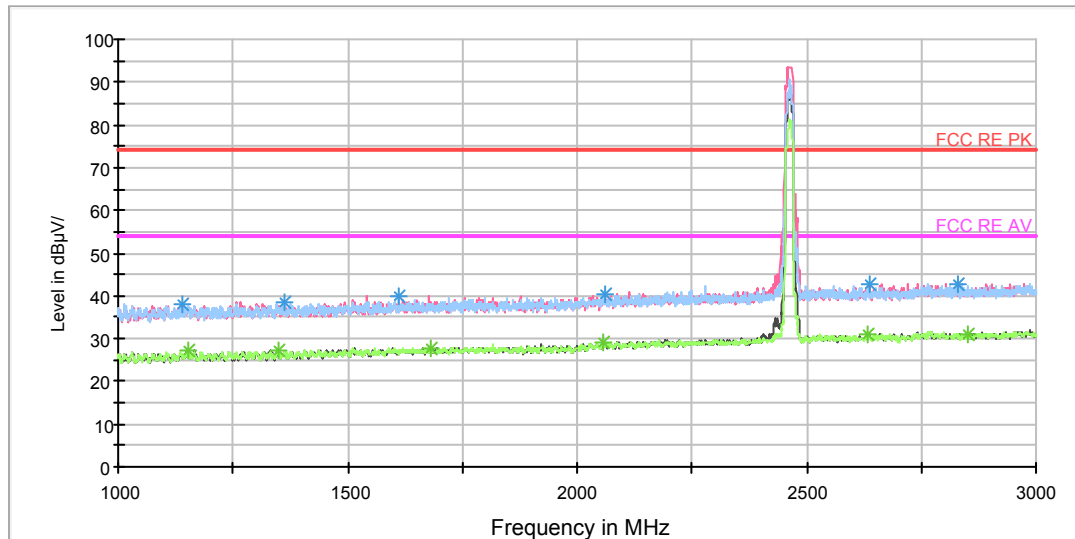




Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

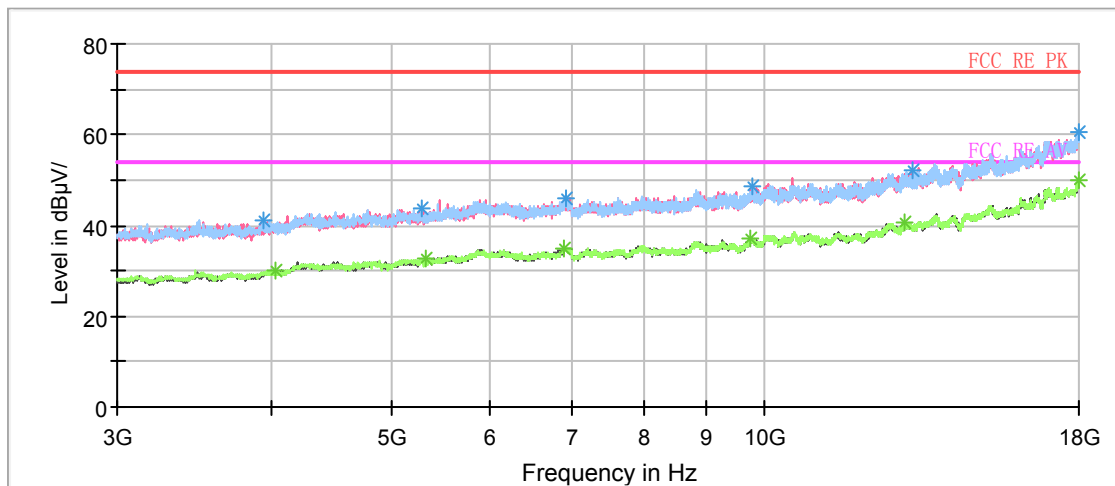
| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 1151.500000     | 36.7          | 100.0       | V            | 0.0           | 47.5                   | -10.8               | 37.3        | 74             |
| 1349.000000     | 37.0          | 100.0       | V            | 341.0         | 47.0                   | -10.0               | 37.0        | 74             |
| 1679.500000     | 36.9          | 100.0       | V            | 0.0           | 45.7                   | -8.8                | 37.1        | 74             |
| 2058.000000     | 39.1          | 100.0       | H            | 0.0           | 46.5                   | -7.4                | 34.9        | 74             |
| 2635.000000     | 41.4          | 100.0       | H            | 1.0           | 46.0                   | -4.6                | 32.6        | 74             |
| 2852.500000     | 40.8          | 100.0       | H            | 2.0           | 45.0                   | -4.2                | 33.2        | 74             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 1138.500000     | 26.1             | 100.0       | V            | 353.0         | 37.0                   | -10.9               | 27.9        | 54             |
| 1361.500000     | 26.5             | 100.0       | V            | 293.0         | 36.5                   | -10.0               | 27.5        | 54             |
| 1611.000000     | 27.1             | 100.0       | H            | 193.0         | 36.0                   | -8.9                | 26.9        | 54             |
| 2059.000000     | 28.6             | 100.0       | H            | 140.0         | 36.0                   | -7.4                | 25.4        | 54             |
| 2635.500000     | 30.4             | 100.0       | V            | 333.0         | 35.0                   | -4.6                | 23.6        | 54             |
| 2830.000000     | 30.9             | 100.0       | V            | 261.0         | 35.1                   | -4.2                | 23.1        | 54             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

## RE 3-18GHz PK+AV



## Radiates Emission from 3GHz to 18GHz

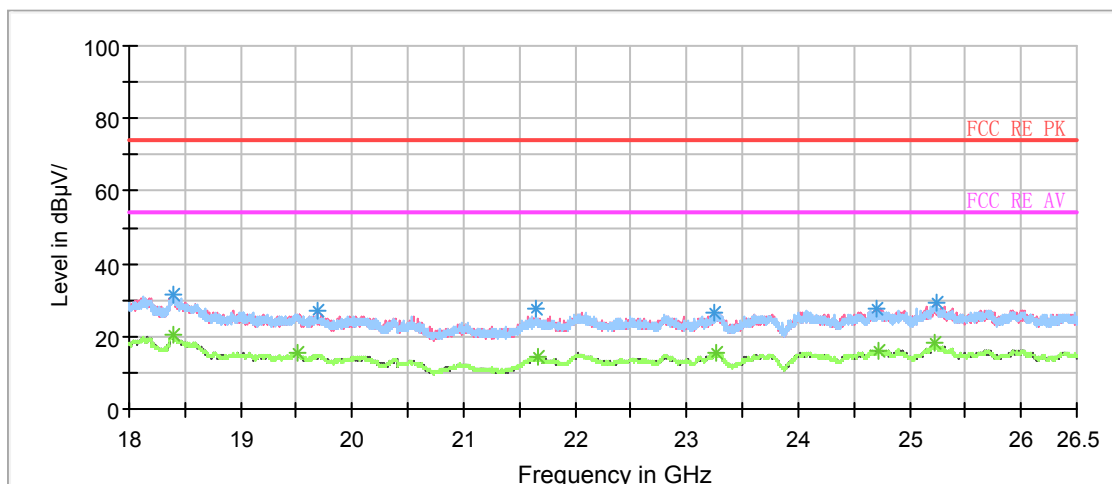
| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 4035.000000     | 39.3          | 101.0       | V            | 0.0           | 39.9                   | -0.6                | 34.7        | 74             |
| 5340.000000     | 41.4          | 101.0       | H            | 31.0          | 45.2                   | -3.8                | 32.6        | 74             |
| 6898.125000     | 44.5          | 101.0       | V            | 0.0           | 51.5                   | -7.0                | 29.5        | 74             |
| 9750.000000     | 47.4          | 101.0       | H            | 89.0          | 59.1                   | -11.7               | 26.6        | 74             |
| 13025.625000    | 49.4          | 101.0       | H            | 147.0         | 65.6                   | -16.2               | 24.6        | 74             |
| 18000.000000    | 60.3          | 101.0       | H            | 16.0          | 85.7                   | 25.4                | 13.7        | 74             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 4035.000000     | 30.2             | 101.0       | V            | 0.0           | 30.8                   | -0.6                | 23.8        | 54             |
| 5340.000000     | 32.7             | 101.0       | H            | 31.0          | 36.5                   | -3.8                | 21.3        | 54             |
| 6898.125000     | 35.1             | 101.0       | V            | 0.0           | 42.1                   | -7.0                | 18.9        | 54             |
| 9750.000000     | 37.3             | 101.0       | H            | 89.0          | 49.0                   | -11.7               | 16.7        | 54             |
| 13025.625000    | 40.8             | 101.0       | H            | 147.0         | 57.0                   | -16.2               | 13.2        | 54             |
| 18000.000000    | 49.9             | 101.0       | H            | 16.0          | 75.3                   | -25.4               | 4.1         | 54             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

## RE 18-26.5GHz PK+AV



## Radiates Emission from 18GHz to 26.5GHz

| Frequency (MHz) | Peak (dBuV/m) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 18388.875000    | 30.5          | H            | 63.0          | 35.4                   | -4.9                | 43.5        | 74             |
| 19501.312500    | 25.5          | H            | 306.0         | 33.0                   | -7.5                | 48.5        | 74             |
| 21662.437500    | 24.9          | H            | 15.0          | 34.2                   | -9.3                | 49.1        | 74             |
| 23268.937500    | 24.3          | V            | 0.0           | 31.6                   | -7.3                | 49.7        | 74             |
| 24726.687500    | 26.4          | V            | 279.0         | 32.6                   | -6.2                | 47.6        | 74             |
| 25217.562500    | 27.0          | H            | 205.0         | 33.1                   | -6.1                | 47.0        | 74             |

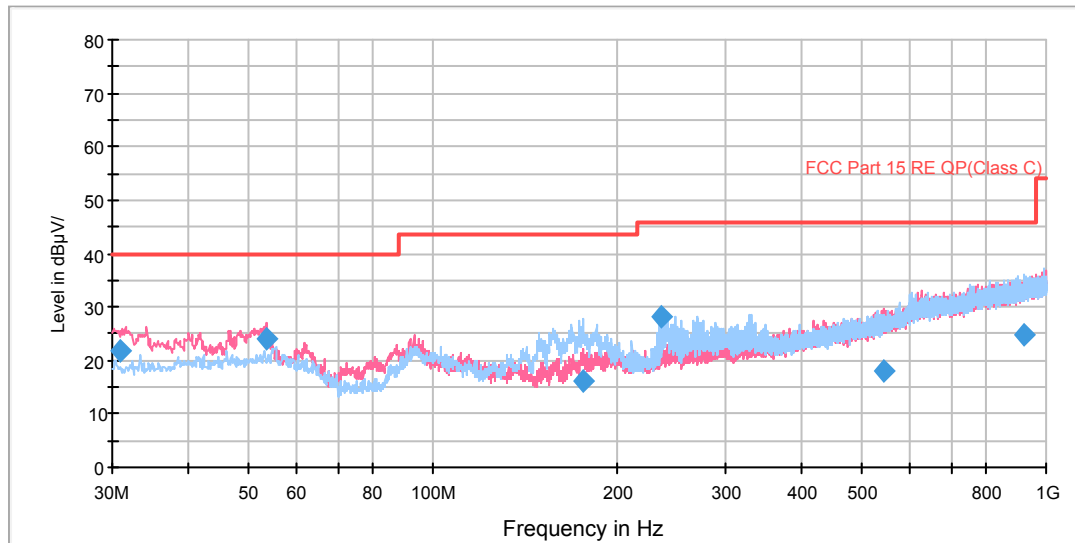
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 18388.875000    | 20.3             | H            | 63.0          | 25.2                   | -4.9                | 33.7        | 54             |
| 19501.312500    | 15.7             | H            | 306.0         | 23.2                   | -7.5                | 38.3        | 54             |
| 21662.437500    | 14.2             | H            | 15.0          | 23.5                   | -9.3                | 39.8        | 54             |
| 23268.937500    | 15.4             | V            | 0.0           | 22.7                   | -7.3                | 38.6        | 54             |
| 24726.687500    | 16.3             | V            | 279.0         | 22.5                   | -6.2                | 37.7        | 54             |
| 25217.562500    | 18.1             | H            | 205.0         | 24.2                   | -6.1                | 35.9        | 54             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

# 802.11n (HT20) CH1

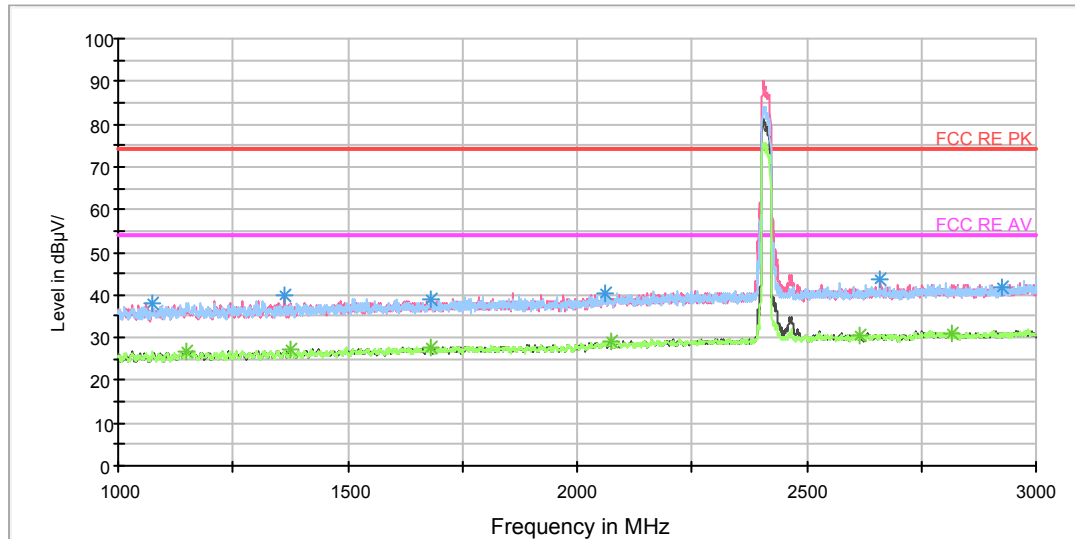
FCC RE 0.03-1GHz QP Class C



Radiates Emission from 30MHz to 1GHz

| Frequency (MHz) | Quasi-Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 30.976250       | 21.7                | 100.0       | V            | 227.0         | 33.6                   | -11.9               | 18.3        | 40.0           |
| 53.562500       | 24.1                | 100.0       | V            | 239.0         | 36.9                   | -12.8               | 15.9        | 40.0           |
| 176.100000      | 16.3                | 125.0       | H            | 70.0          | 26.9                   | -10.6               | 27.2        | 43.5           |
| 236.531250      | 28.1                | 125.0       | H            | 81.0          | 41.7                   | -13.6               | 17.9        | 46.0           |
| 543.207500      | 18.1                | 100.0       | V            | 290.0         | 39.0                   | -20.9               | 27.9        | 46.0           |
| 922.885000      | 24.7                | 100.0       | H            | 313.0         | 50.5                   | -25.8               | 21.3        | 46.0           |

- Remark: 1. Quasi-Peak = Reading value + Correction factor  
2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)  
3. Margin = Limit – Quasi-Peak



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

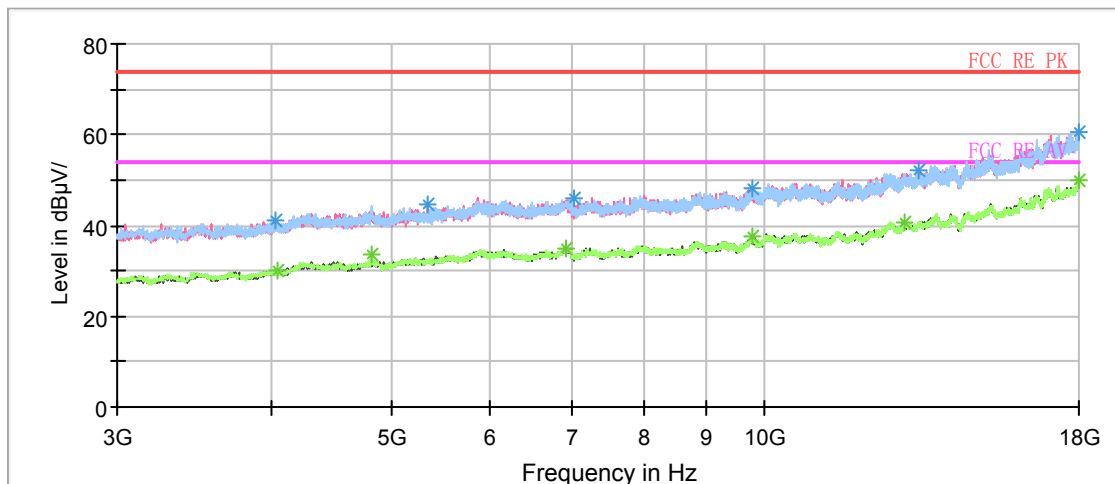
| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 1148.000000     | 36.0          | 100.0       | H            | 4.0           | 46.8                   | -10.8               | 38.0        | 74             |
| 1375.000000     | 37.4          | 100.0       | H            | 26.0          | 47.3                   | -9.9                | 36.6        | 74             |
| 1680.500000     | 36.9          | 100.0       | H            | 2.0           | 45.7                   | -8.8                | 37.1        | 74             |
| 2072.500000     | 38.5          | 100.0       | H            | 172.0         | 45.8                   | -7.3                | 35.5        | 74             |
| 2616.500000     | 40.3          | 100.0       | H            | 120.0         | 44.9                   | -4.6                | 33.7        | 74             |
| 2817.000000     | 40.7          | 100.0       | V            | 278.0         | 44.9                   | -4.2                | 33.3        | 74             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 1075.000000     | 26.1             | 100.0       | H            | 2.0           | 37.2                   | -11.1               | 27.9        | 54             |
| 1364.000000     | 26.5             | 100.0       | V            | 96.0          | 36.4                   | -9.9                | 27.5        | 54             |
| 1682.000000     | 27.2             | 100.0       | V            | 235.0         | 36.0                   | -8.8                | 26.8        | 54             |
| 2060.500000     | 28.6             | 100.0       | H            | 8.0           | 36.0                   | -7.4                | 25.4        | 54             |
| 2661.500000     | 30.2             | 100.0       | V            | 246.0         | 34.8                   | -4.6                | 23.8        | 54             |
| 2926.000000     | 30.6             | 100.0       | V            | 256.0         | 34.7                   | -4.1                | 23.4        | 54             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

## RE 3-18GHz PK+AV



## Radiates Emission from 3GHz to 18GHz

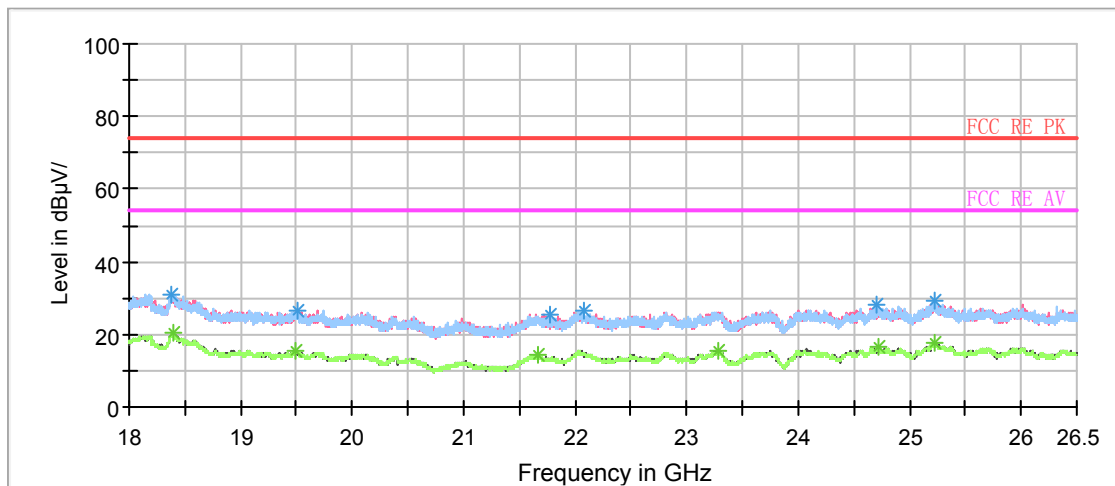
| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 4040.625000     | 40.5          | 101.0       | V            | 252.0         | 41.1                   | -0.6                | 33.5        | 74             |
| 4820.625000     | 43.1          | 101.0       | H            | 0.0           | 45.8                   | -2.7                | 30.9        | 74             |
| 6926.250000     | 44.9          | 101.0       | H            | 0.0           | 51.7                   | -6.8                | 29.1        | 74             |
| 9798.750000     | 47.5          | 101.0       | H            | 122.0         | 59.8                   | -12.3               | 26.5        | 74             |
| 12997.500000    | 50.1          | 101.0       | H            | 35.0          | 66.3                   | -16.2               | 23.9        | 74             |
| 17992.500000    | 59.8          | 101.0       | V            | 0.0           | 85.1                   | -25.3               | 14.2        | 74             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 4040.625000     | 30.1             | 101.0       | V            | 252.0         | 30.7                   | -0.6                | 23.9        | 54             |
| 4820.625000     | 33.7             | 101.0       | H            | 0.0           | 36.4                   | -2.7                | 20.3        | 54             |
| 6926.250000     | 35.0             | 101.0       | H            | 0.0           | 41.8                   | -6.8                | 19.0        | 54             |
| 9798.750000     | 37.5             | 101.0       | H            | 122.0         | 49.8                   | -12.3               | 16.5        | 54             |
| 12997.500000    | 40.6             | 101.0       | H            | 35.0          | 56.8                   | -16.2               | 13.4        | 54             |
| 17992.500000    | 49.8             | 101.0       | V            | 0.0           | 75.1                   | -25.3               | 4.2         | 54             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

## RE 18-26.5GHz PK+AV



## Radiates Emission from 18GHz to 26.5GHz

| Frequency (MHz) | Peak (dBuV/m) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 18391.000000    | 31.0          | H            | 32.0          | 35.9                   | -4.9                | 43.0        | 74             |
| 19487.500000    | 24.4          | V            | 0.0           | 32.1                   | -7.7                | 49.6        | 74             |
| 21666.687500    | 23.3          | H            | 6.0           | 32.6                   | -9.3                | 50.7        | 74             |
| 23276.375000    | 24.6          | V            | 166.0         | 31.8                   | -7.2                | 49.4        | 74             |
| 24727.750000    | 26.4          | V            | 158.0         | 32.6                   | -6.2                | 47.6        | 74             |
| 25227.125000    | 27.3          | H            | 64.0          | 33.2                   | -5.9                | 46.7        | 74             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

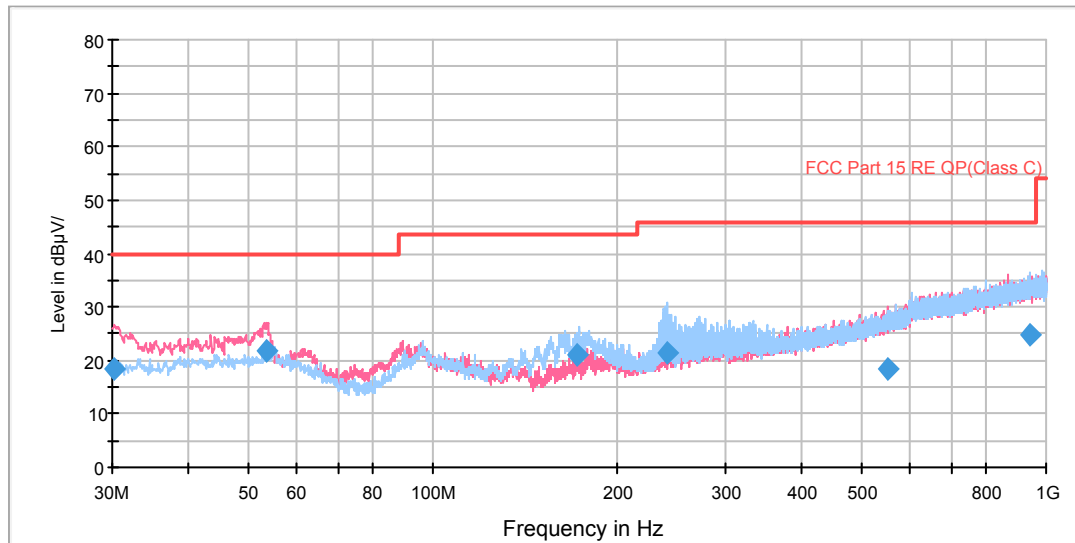
| Frequency (MHz) | Average (dBuV/m) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 18391.000000    | 20.4             | H            | 32.0          | 25.3                   | -4.9                | 33.6        | 54             |
| 19487.500000    | 15.7             | V            | 0.0           | 23.4                   | -7.7                | 38.3        | 54             |
| 21666.687500    | 14.2             | H            | 6.0           | 23.5                   | -9.3                | 39.8        | 54             |
| 23276.375000    | 15.6             | V            | 166.0         | 22.8                   | -7.2                | 38.4        | 54             |
| 24727.750000    | 16.3             | V            | 158.0         | 22.5                   | -6.2                | 37.7        | 54             |
| 25227.125000    | 17.8             | H            | 64.0          | 23.7                   | -5.9                | 36.2        | 54             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)



## 802.11n (HT20) CH6

FCC RE 0.03-1GHz QP Class C



Radiates Emission from 30MHz to 1GHz

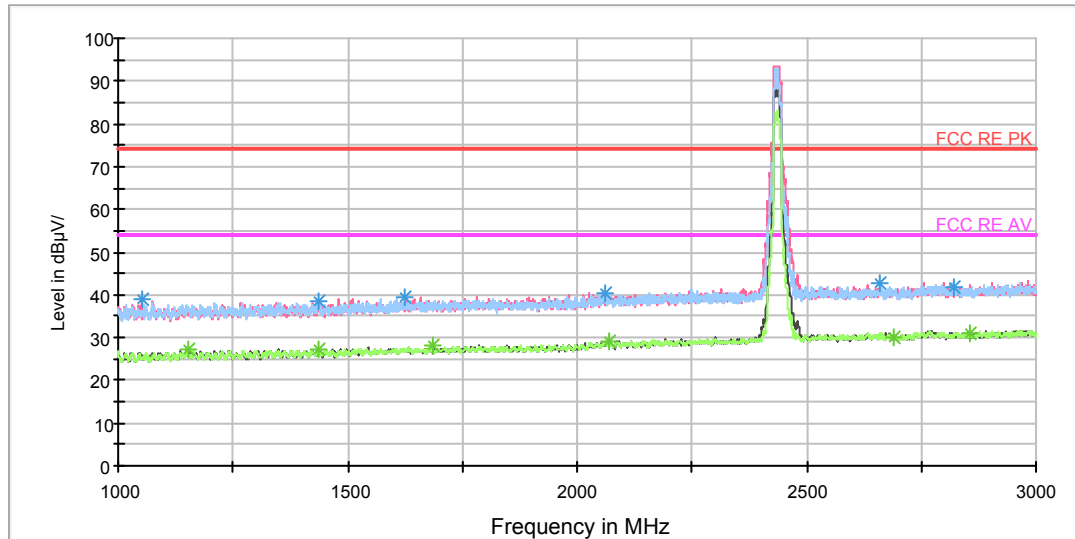
| Frequency (MHz) | Quasi-Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 30.127500       | 18.6                | 100.0       | V            | 270.0         | 30.5                   | -11.9               | 21.4        | 40.0           |
| 53.397500       | 21.6                | 100.0       | V            | 235.0         | 34.4                   | -12.8               | 18.4        | 40.0           |
| 172.432500      | 21.0                | 125.0       | H            | 257.0         | 31.4                   | -10.4               | 22.5        | 43.5           |
| 241.378750      | 21.2                | 125.0       | H            | 82.0          | 35.0                   | -13.8               | 24.8        | 46.0           |
| 553.230000      | 18.5                | 100.0       | V            | 28.0          | 39.6                   | -21.1               | 27.5        | 46.0           |
| 938.965000      | 24.9                | 100.0       | H            | 124.0         | 50.8                   | -25.9               | 21.1        | 46.0           |

Remark: 1. Quasi-Peak = Reading value + Correction factor

2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)

3. Margin = Limit – Quasi-Peak





Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

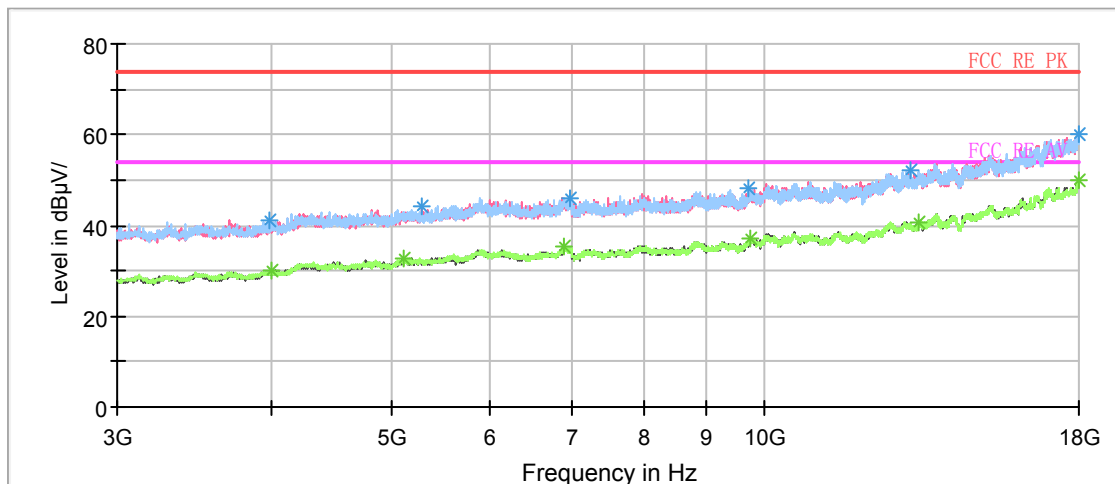
| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 1153.500000     | 36.8          | 100.0       | V            | 325.0         | 47.6                   | -10.8               | 37.2        | 74             |
| 1438.500000     | 37.4          | 100.0       | V            | 342.0         | 47.1                   | -9.7                | 36.6        | 74             |
| 1683.500000     | 37.5          | 100.0       | H            | 215.0         | 46.3                   | -8.8                | 36.5        | 74             |
| 2070.500000     | 38.5          | 100.0       | V            | 315.0         | 45.8                   | -7.3                | 35.5        | 74             |
| 2690.000000     | 39.8          | 100.0       | V            | 251.0         | 44.4                   | -4.6                | 34.2        | 74             |
| 2855.500000     | 41.2          | 100.0       | H            | 0.0           | 45.4                   | -4.2                | 32.8        | 74             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 1050.500000     | 25.6             | 100.0       | V            | 71.0          | 36.8                   | -11.2               | 28.4        | 54             |
| 1436.500000     | 26.7             | 100.0       | H            | 78.0          | 36.4                   | -9.7                | 27.3        | 54             |
| 1623.000000     | 26.8             | 100.0       | H            | 46.0          | 35.7                   | -8.9                | 27.2        | 54             |
| 2062.000000     | 28.2             | 100.0       | H            | 183.0         | 35.6                   | -7.4                | 25.8        | 54             |
| 2661.500000     | 31.2             | 100.0       | H            | 57.0          | 35.8                   | -4.6                | 22.8        | 54             |
| 2823.000000     | 30.6             | 100.0       | H            | 9.0           | 34.8                   | -4.2                | 23.4        | 54             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

## RE 3-18GHz PK+AV



## Radiates Emission from 3GHz to 18GHz

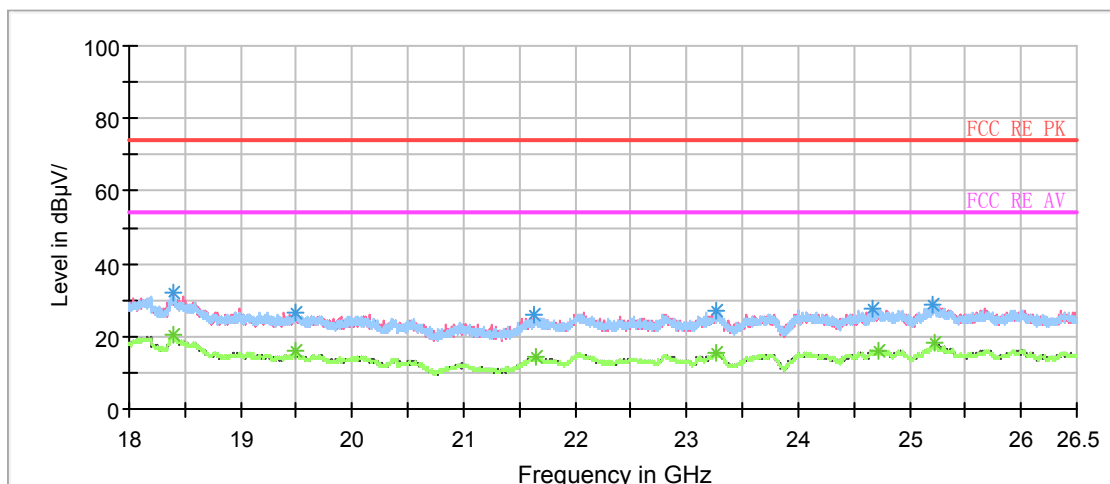
| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 4001.250000     | 39.1          | 101.0       | H            | 19.0          | 39.6                   | -0.5                | 34.9        | 74             |
| 5120.625000     | 42.5          | 101.0       | V            | 209.0         | 46.1                   | -3.6                | 31.5        | 74             |
| 6901.875000     | 45.8          | 101.0       | H            | 62.0          | 52.8                   | -7.0                | 28.2        | 74             |
| 9766.875000     | 46.1          | 101.0       | V            | 0.0           | 58.0                   | -11.9               | 27.9        | 74             |
| 13348.125000    | 50.2          | 101.0       | V            | 0.0           | 66.0                   | -15.8               | 23.8        | 74             |
| 18000.000000    | 59.2          | 101.0       | V            | 0.0           | 84.6                   | -25.4               | 14.8        | 74             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 4001.250000     | 30.1             | 101.0       | H            | 19.0          | 30.6                   | -0.5                | 23.9        | 54             |
| 5120.625000     | 32.8             | 101.0       | V            | 209.0         | 36.4                   | -3.6                | 21.2        | 54             |
| 6901.875000     | 35.2             | 101.0       | H            | 62.0          | 42.2                   | -7.0                | 18.8        | 54             |
| 9766.875000     | 37.2             | 101.0       | V            | 0.0           | 49.1                   | -11.9               | 16.8        | 54             |
| 13348.125000    | 40.8             | 101.0       | V            | 0.0           | 56.6                   | -15.8               | 13.2        | 54             |
| 18000.000000    | 49.8             | 101.0       | V            | 0.0           | 75.2                   | -25.4               | 4.2         | 54             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

## RE 18-26.5GHz PK+AV



## Radiates Emission from 18GHz to 26.5GHz

| Frequency (MHz) | Peak (dBuV/m) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 18395.250000    | 29.1          | V            | 214.0         | 34.0                   | -4.9                | 44.9        | 74             |
| 19483.250000    | 24.7          | V            | 111.0         | 32.4                   | -7.7                | 49.3        | 74             |
| 21644.375000    | 24.2          | V            | 223.0         | 33.3                   | -9.1                | 49.8        | 74             |
| 23263.625000    | 24.1          | H            | 26.0          | 31.4                   | -7.3                | 49.9        | 74             |
| 24721.375000    | 25.7          | H            | 43.0          | 32.0                   | -6.3                | 48.3        | 74             |
| 25231.375000    | 27.4          | V            | 0.0           | 33.3                   | -5.9                | 46.6        | 74             |

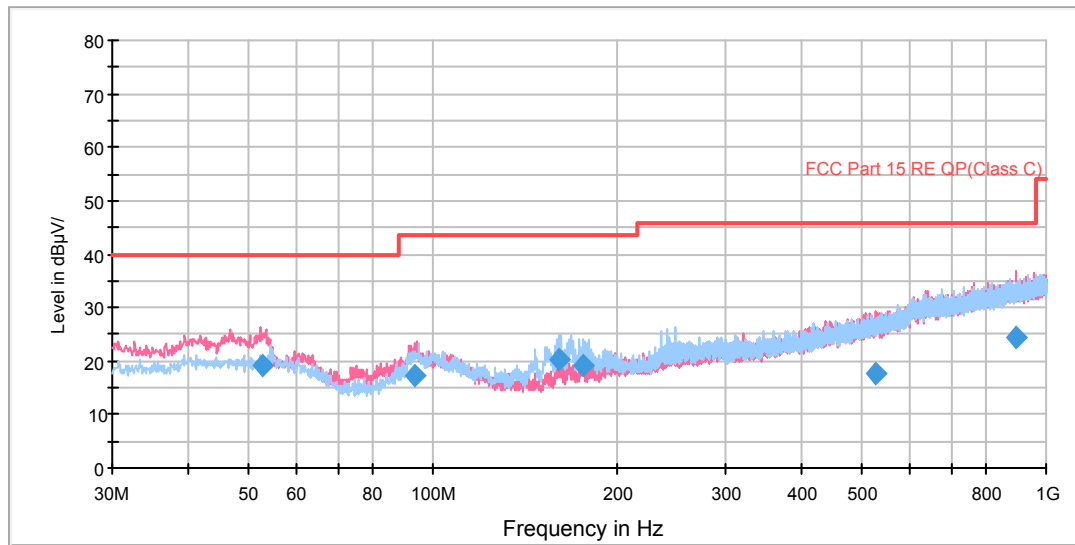
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 18395.250000    | 20.5             | V            | 214.0         | 25.4                   | -4.9                | 33.5        | 54             |
| 19483.250000    | 15.8             | V            | 111.0         | 23.5                   | -7.7                | 38.2        | 54             |
| 21644.375000    | 14.4             | V            | 223.0         | 23.5                   | -9.1                | 39.6        | 54             |
| 23263.625000    | 15.4             | H            | 26.0          | 22.7                   | -7.3                | 38.6        | 54             |
| 24721.375000    | 16.3             | H            | 43.0          | 22.6                   | -6.3                | 37.7        | 54             |
| 25231.375000    | 18.1             | V            | 0.0           | 24.0                   | -5.9                | 35.9        | 54             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

## 802.11n (HT20) CH11

FCC RE 0.03-1GHz QP Class C



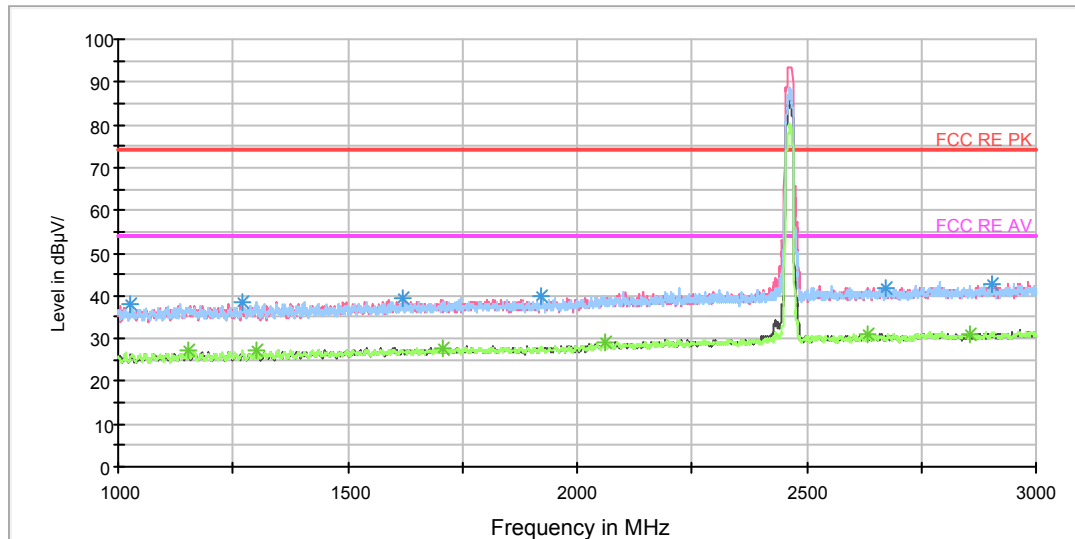
Radiates Emission from 30MHz to 1GHz

| Frequency (MHz) | Quasi-Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 52.830000       | 19.1                | 100.0       | V            | 200.0         | 31.9                   | -12.8               | 20.9        | 40.0           |
| 93.783750       | 17.3                | 100.0       | V            | 304.0         | 29.7                   | -12.4               | 26.2        | 43.5           |
| 161.236250      | 20.2                | 125.0       | H            | 259.0         | 30.0                   | -9.8                | 23.3        | 43.5           |
| 175.658750      | 19.2                | 125.0       | H            | 252.0         | 29.8                   | -10.6               | 24.3        | 43.5           |
| 528.827500      | 17.8                | 100.0       | V            | 185.0         | 38.4                   | -20.6               | 28.2        | 46.0           |
| 895.800000      | 24.4                | 114.0       | V            | 134.0         | 49.9                   | -25.5               | 21.6        | 46.0           |

Remark: 1. Quasi-Peak = Reading value + Correction factor

2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)

3. Margin = Limit – Quasi-Peak



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

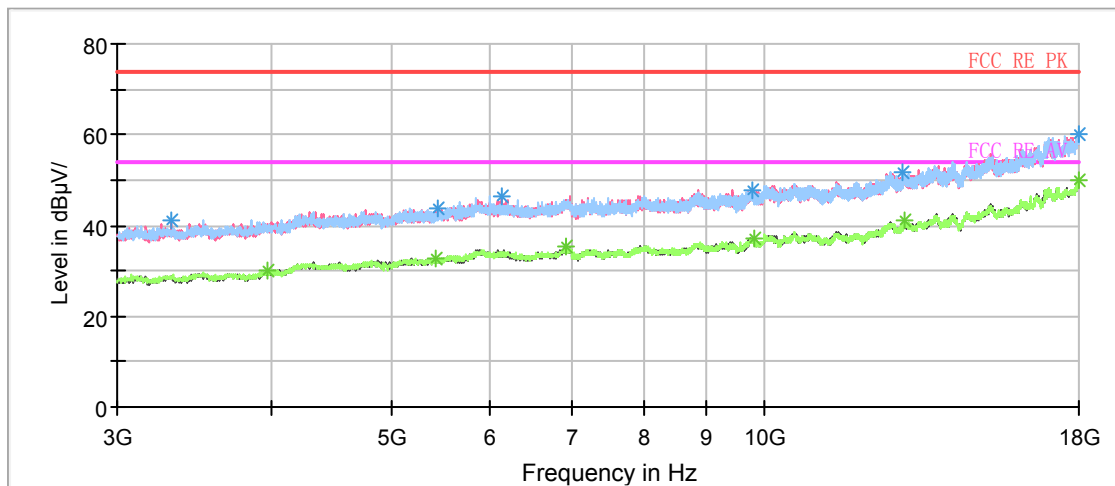
| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 1151.500000     | 37.2          | 100.0       | H            | 93.0          | 48.0                   | -10.8               | 36.8        | 74             |
| 1300.500000     | 37.0          | 100.0       | V            | 345.0         | 47.1                   | -10.1               | 37.0        | 74             |
| 1709.000000     | 37.1          | 100.0       | H            | 0.0           | 45.8                   | -8.7                | 36.9        | 74             |
| 2059.500000     | 38.5          | 100.0       | H            | 10.0          | 45.9                   | -7.4                | 35.5        | 74             |
| 2632.500000     | 40.8          | 100.0       | V            | 289.0         | 45.4                   | -4.6                | 33.2        | 74             |
| 2856.000000     | 40.5          | 100.0       | H            | 1.0           | 44.7                   | -4.2                | 33.5        | 74             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 1027.500000     | 26.1             | 100.0       | V            | 49.0          | 37.4                   | -11.3               | 27.9        | 54             |
| 1269.500000     | 26.2             | 100.0       | H            | 2.0           | 36.5                   | -10.3               | 27.8        | 54             |
| 1621.000000     | 27.5             | 100.0       | V            | 189.0         | 36.4                   | -8.9                | 26.5        | 54             |
| 1920.000000     | 27.5             | 100.0       | V            | 299.0         | 35.6                   | -8.1                | 26.5        | 54             |
| 2671.500000     | 29.8             | 100.0       | V            | 358.0         | 34.4                   | -4.6                | 24.2        | 54             |
| 2902.000000     | 31.6             | 100.0       | H            | 236.0         | 35.8                   | -4.2                | 22.4        | 54             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

## RE 3-18GHz PK+AV



## Radiates Emission from 3GHz to 18GHz

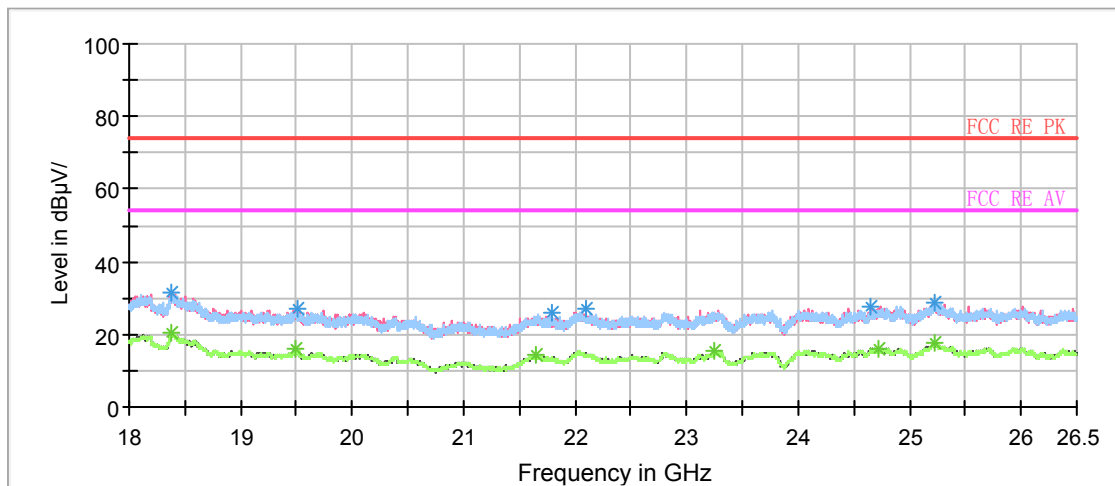
| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3961.875000     | 39.7          | 101.0       | H            | 76.0          | 39.9                   | -0.2                | 34.3        | 74             |
| 5439.375000     | 41.9          | 101.0       | V            | 264.0         | 45.7                   | -3.8                | 32.1        | 74             |
| 6915.000000     | 43.9          | 101.0       | H            | 238.0         | 50.8                   | -6.9                | 30.1        | 74             |
| 9817.500000     | 47.3          | 101.0       | V            | 321.0         | 59.4                   | -12.1               | 26.7        | 74             |
| 13001.250000    | 51.2          | 101.0       | H            | 104.0         | 67.4                   | -16.2               | 22.8        | 74             |
| 18000.000000    | 58.6          | 101.0       | H            | 0.0           | 84.0                   | 25.4                | 15.4        | 74             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3961.875000     | 30.1             | 101.0       | H            | 76.0          | 30.3                   | -0.2                | 23.9        | 54             |
| 5439.375000     | 32.6             | 101.0       | V            | 264.0         | 36.4                   | -3.8                | 21.4        | 54             |
| 6915.000000     | 35.3             | 101.0       | H            | 238.0         | 42.2                   | -6.9                | 18.7        | 54             |
| 9817.500000     | 37.1             | 101.0       | V            | 321.0         | 49.2                   | -12.1               | 16.9        | 54             |
| 13001.250000    | 40.9             | 101.0       | H            | 104.0         | 57.1                   | -16.2               | 13.1        | 54             |
| 18000.000000    | 49.9             | 101.0       | H            | 0.0           | 75.3                   | -25.4               | 4.1         | 54             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

## RE 18-26.5GHz PK+AV



## Radiates Emission from 18GHz to 26.5GHz

| Frequency (MHz) | Peak (dBuV/m) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 18382.500000    | 29.7          | V            | 174.0         | 34.5                   | -4.8                | 44.3        | 74             |
| 19486.437500    | 25.2          | V            | 234.0         | 32.9                   | -7.7                | 48.8        | 74             |
| 21641.187500    | 23.1          | V            | 283.0         | 32.2                   | -9.1                | 50.9        | 74             |
| 23253.000000    | 25.0          | H            | 253.0         | 32.5                   | -7.5                | 49.0        | 74             |
| 24712.875000    | 25.5          | V            | 200.0         | 32.0                   | -6.5                | 48.5        | 74             |
| 25228.187500    | 28.7          | H            | 134.0         | 34.6                   | -5.9                | 45.3        | 74             |

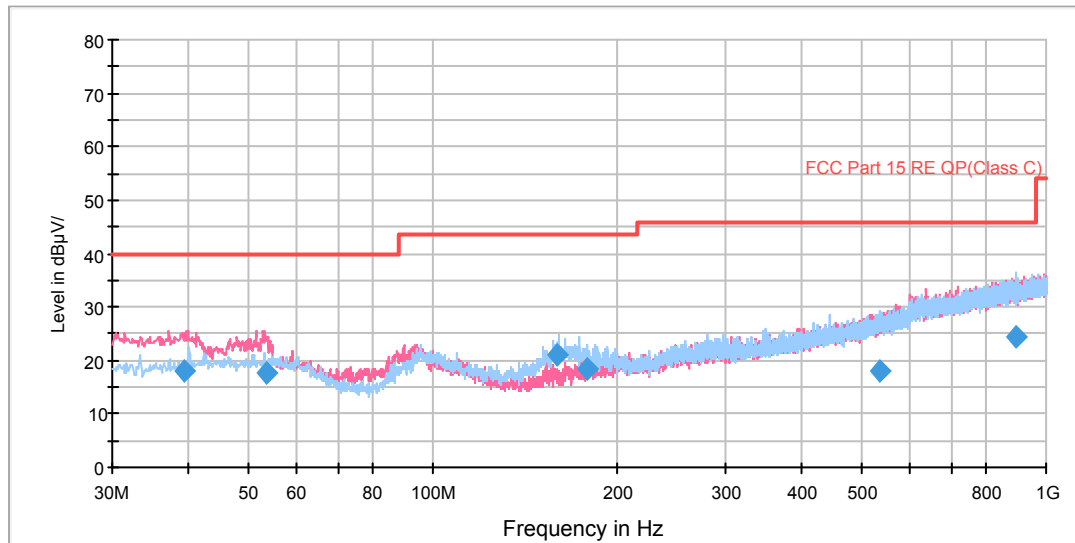
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 18382.500000    | 20.2             | V            | 174.0         | 25.0                   | -4.8                | 33.8        | 54             |
| 19486.437500    | 15.8             | V            | 234.0         | 23.5                   | -7.7                | 38.2        | 54             |
| 21641.187500    | 14.3             | V            | 283.0         | 23.4                   | -9.1                | 39.7        | 54             |
| 23253.000000    | 15.4             | H            | 253.0         | 22.9                   | -7.5                | 38.6        | 54             |
| 24712.875000    | 16.2             | V            | 200.0         | 22.7                   | -6.5                | 37.8        | 54             |
| 25228.187500    | 17.9             | H            | 134.0         | 23.8                   | -5.9                | 36.1        | 54             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

# 802.11n (HT40) CH3

FCC RE 0.03-1GHz QP Class C



Radiates Emission from 30MHz to 1GHz

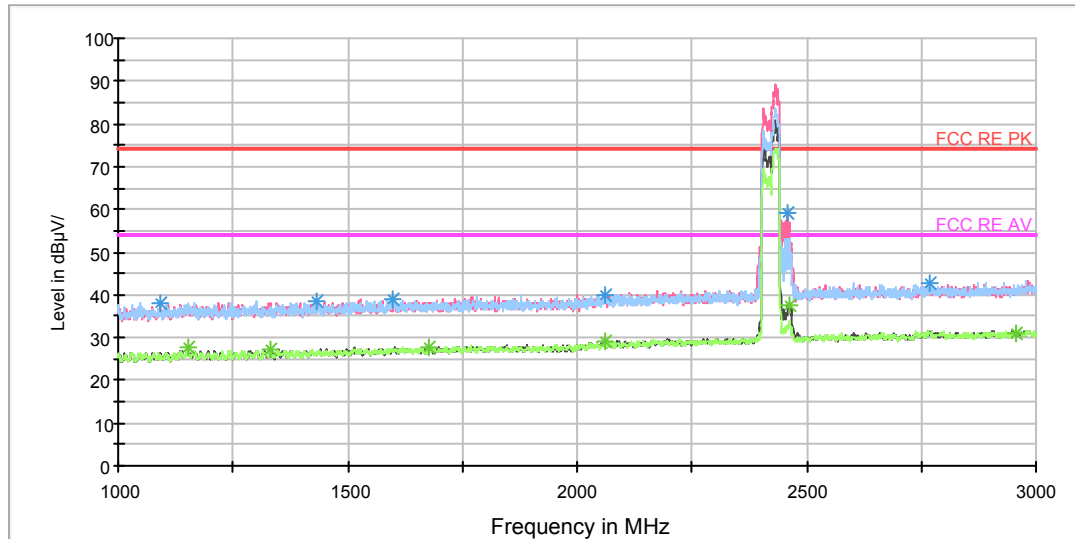
| Frequency (MHz) | Quasi-Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 39.380000       | 18.0                | 100.0       | V            | 226.0         | 31.0                   | -13.0               | 22.0        | 40.0           |
| 53.407500       | 17.7                | 100.0       | V            | 224.0         | 30.5                   | -12.8               | 22.3        | 40.0           |
| 159.942500      | 21.0                | 125.0       | H            | 263.0         | 30.7                   | -9.7                | 22.5        | 43.5           |
| 178.936250      | 18.4                | 125.0       | H            | 251.0         | 29.2                   | -10.8               | 25.1        | 43.5           |
| 536.900000      | 18.0                | 100.0       | H            | 248.0         | 38.7                   | -20.7               | 28.0        | 46.0           |
| 892.416250      | 24.4                | 125.0       | H            | 16.0          | 49.9                   | -25.5               | 21.6        | 46.0           |

Remark: 1. Quasi-Peak = Reading value + Correction factor

2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)

3. Margin = Limit – Quasi-Peak





Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

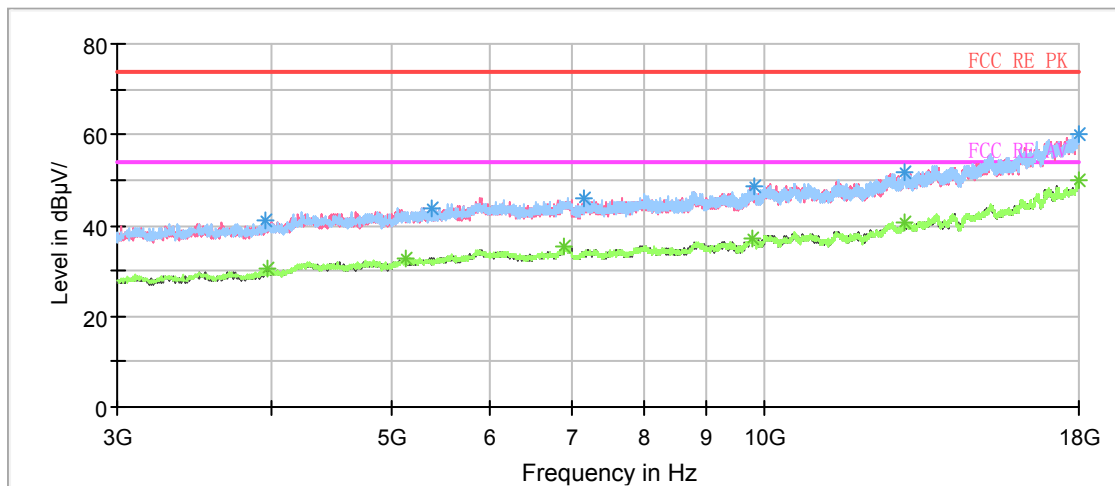
| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 1151.500000     | 36.0          | 100.0       | V            | 293.0         | 46.8                   | -10.8               | 38.0        | 74             |
| 1333.000000     | 36.6          | 100.0       | H            | 34.0          | 46.6                   | -10.0               | 37.4        | 74             |
| 1676.000000     | 36.7          | 100.0       | H            | 333.0         | 45.5                   | -8.8                | 37.3        | 74             |
| 2059.500000     | 38.2          | 100.0       | V            | 356.0         | 45.6                   | -7.4                | 35.8        | 74             |
| 2464.500000     | 55.9          | 100.0       | V            | 166.0         | 61.1                   | -5.2                | 18.1        | 74             |
| 2956.000000     | 41.5          | 100.0       | H            | 8.0           | 45.6                   | -4.1                | 32.5        | 74             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 1091.000000     | 26.1             | 100.0       | V            | 123.0         | 37.1                   | -11.0               | 27.9        | 54             |
| 1433.500000     | 26.1             | 100.0       | H            | 193.0         | 35.8                   | -9.7                | 27.9        | 54             |
| 1599.000000     | 27.0             | 100.0       | H            | 150.0         | 36.0                   | -9.0                | 27.0        | 54             |
| 2059.000000     | 28.3             | 100.0       | V            | 354.0         | 35.7                   | -7.4                | 25.7        | 54             |
| 2458.000000     | 36.5             | 100.0       | V            | 166.0         | 41.8                   | -5.3                | 17.5        | 54             |
| 2769.000000     | 31.0             | 100.0       | V            | 333.0         | 35.3                   | -4.3                | 23.0        | 54             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

## RE 3-18GHz PK+AV



## Radiates Emission from 3GHz to 18GHz

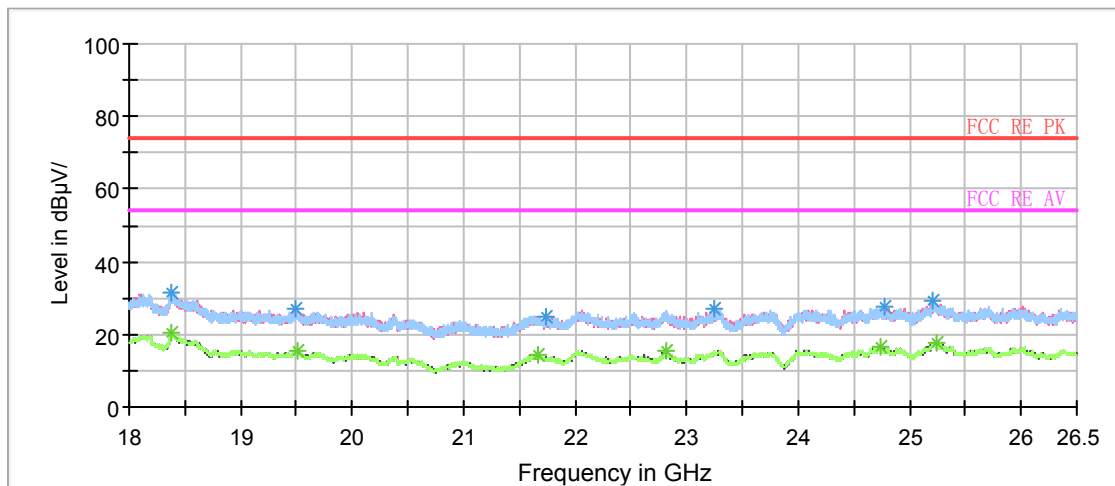
| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3971.250000     | 39.6          | 101.0       | V            | 244.0         | 39.9                   | -0.3                | 34.4        | 74             |
| 5133.750000     | 41.7          | 101.0       | H            | 152.0         | 45.3                   | -3.6                | 32.3        | 74             |
| 6900.000000     | 44.5          | 101.0       | V            | 332.0         | 51.5                   | -7.0                | 29.5        | 74             |
| 9800.625000     | 46.6          | 101.0       | H            | 240.0         | 58.9                   | -12.3               | 27.4        | 74             |
| 13027.500000    | 50.0          | 101.0       | V            | 187.0         | 66.2                   | -16.2               | 24.0        | 74             |
| 17979.375000    | 59.4          | 101.0       | V            | 244.0         | 84.6                   | -25.2               | 14.6        | 74             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3971.250000     | 30.4             | 101.0       | V            | 244.0         | 30.7                   | -0.3                | 23.6        | 54             |
| 5133.750000     | 32.8             | 101.0       | H            | 152.0         | 36.4                   | -3.6                | 21.2        | 54             |
| 6900.000000     | 35.5             | 101.0       | V            | 332.0         | 42.5                   | -7.0                | 18.5        | 54             |
| 9800.625000     | 37.3             | 101.0       | H            | 240.0         | 49.6                   | -12.3               | 16.7        | 54             |
| 13027.500000    | 40.6             | 101.0       | V            | 187.0         | 56.8                   | -16.2               | 13.4        | 54             |
| 17979.375000    | 49.8             | 101.0       | V            | 244.0         | 75.0                   | -25.2               | 4.2         | 54             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

## RE 18-26.5GHz PK+AV



## Radiates Emission from 18GHz to 26.5GHz

| Frequency (MHz) | Peak (dBuV/m) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 18380.375000    | 29.5          | H            | 54.0          | 34.3                   | -4.8                | 44.5        | 74             |
| 19515.125000    | 24.4          | V            | 135.0         | 31.9                   | -7.5                | 49.6        | 74             |
| 21666.687500    | 24.0          | H            | 0.0           | 33.3                   | -9.3                | 50.0        | 74             |
| 22809.937500    | 24.0          | V            | 337.0         | 31.4                   | -7.4                | 50.0        | 74             |
| 24744.750000    | 25.6          | H            | 86.0          | 32.2                   | -6.6                | 48.4        | 74             |
| 25234.562500    | 27.8          | V            | 270.0         | 33.8                   | -6.0                | 46.2        | 74             |

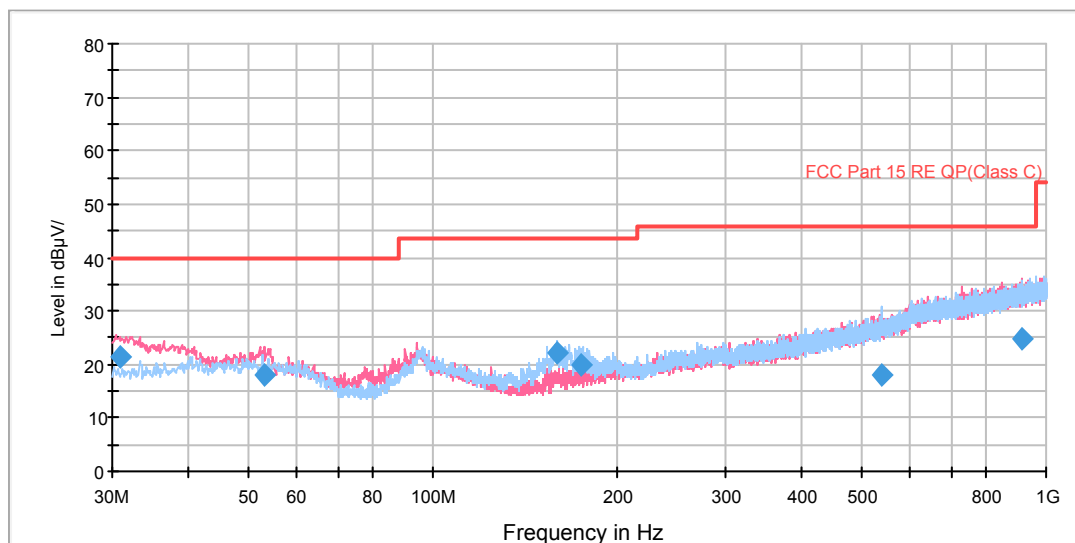
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 18380.375000    | 20.4             | H            | 54.0          | 25.2                   | -4.8                | 33.6        | 54             |
| 19515.125000    | 15.7             | V            | 135.0         | 23.2                   | -7.5                | 38.3        | 54             |
| 21666.687500    | 14.2             | H            | 0.0           | 23.5                   | -9.3                | 39.8        | 54             |
| 22809.937500    | 15.7             | V            | 337.0         | 23.1                   | -7.4                | 38.3        | 54             |
| 24744.750000    | 16.3             | H            | 86.0          | 22.9                   | -6.6                | 37.7        | 54             |
| 25234.562500    | 17.9             | V            | 270.0         | 23.9                   | -6.0                | 36.1        | 54             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

# 802.11n (HT40) CH6

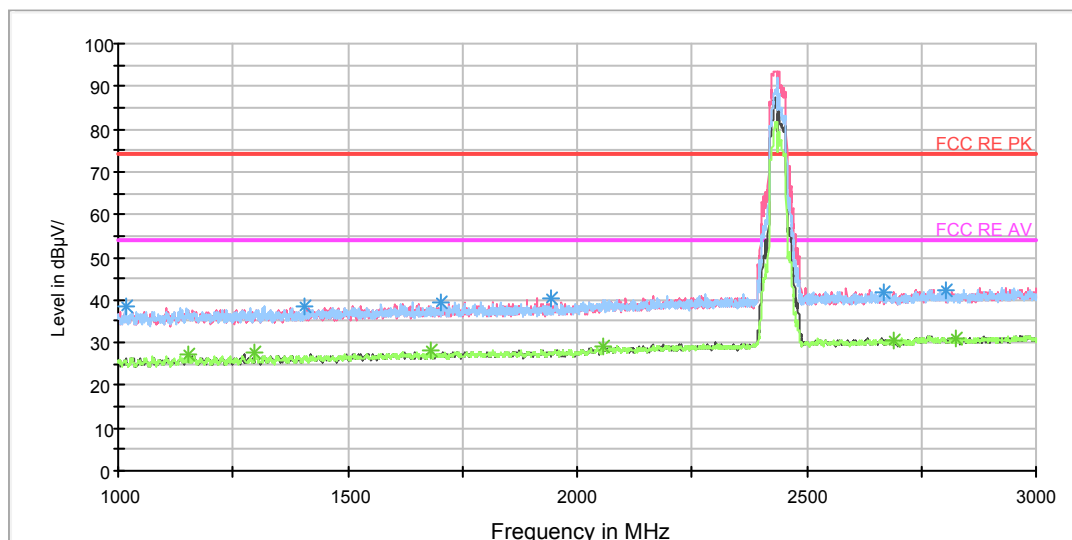
FCC RE 0.03-1GHz QP Class C



Radiates Emission from 30MHz to 1GHz

| Frequency (MHz) | Quasi-Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 30.880000       | 21.3                | 100.0       | V            | 296.0         | 33.2                   | 11.9                | 18.7        | 40.0           |
| 53.326250       | 18.0                | 100.0       | V            | 229.0         | 30.8                   | 12.8                | 22.0        | 40.0           |
| 158.895000      | 22.1                | 125.0       | H            | 275.0         | 31.7                   | 9.6                 | 21.4        | 43.5           |
| 174.697500      | 20.1                | 125.0       | H            | 251.0         | 30.6                   | 10.5                | 23.4        | 43.5           |
| 539.296250      | 18.1                | 125.0       | H            | 22.0          | 38.9                   | 20.8                | 27.9        | 46.0           |
| 915.616250      | 24.6                | 125.0       | V            | 178.0         | 50.4                   | 25.8                | 21.4        | 46.0           |

- Remark: 1. Quasi-Peak = Reading value + Correction factor  
2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)  
3. Margin = Limit – Quasi-Peak



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

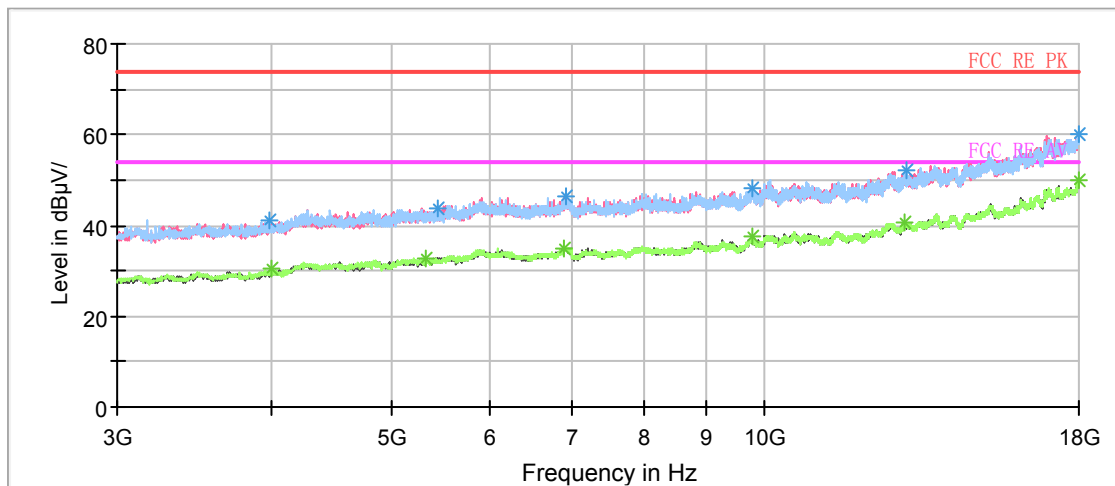
| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 1151.500000     | 36.7          | 100.0       | V            | 231.0         | 47.5                   | -10.8               | 37.3        | 74             |
| 1299.000000     | 37.0          | 100.0       | H            | 86.0          | 47.1                   | -10.1               | 37.0        | 74             |
| 1680.000000     | 36.7          | 100.0       | H            | 139.0         | 45.5                   | -8.8                | 37.3        | 74             |
| 2058.000000     | 38.9          | 100.0       | V            | 146.0         | 46.3                   | -7.4                | 35.1        | 74             |
| 2689.000000     | 40.9          | 100.0       | V            | 355.0         | 45.5                   | -4.6                | 33.1        | 74             |
| 2826.500000     | 40.7          | 100.0       | V            | 103.0         | 44.9                   | -4.2                | 33.3        | 74             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 1015.500000     | 25.9             | 100.0       | H            | 183.0         | 37.2                   | -11.3               | 28.1        | 54             |
| 1407.500000     | 26.6             | 100.0       | V            | 315.0         | 36.4                   | -9.8                | 27.4        | 54             |
| 1702.000000     | 27.0             | 100.0       | H            | 246.0         | 35.7                   | -8.7                | 27.0        | 54             |
| 1943.500000     | 27.1             | 100.0       | H            | 49.0          | 35.1                   | -8.0                | 26.9        | 54             |
| 2667.500000     | 30.1             | 100.0       | H            | 21.0          | 34.7                   | -4.6                | 23.9        | 54             |
| 2802.500000     | 30.7             | 100.0       | H            | 70.0          | 34.8                   | -4.1                | 23.3        | 54             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

## RE 3-18GHz PK+AV



## Radiates Emission from 3GHz to 18GHz

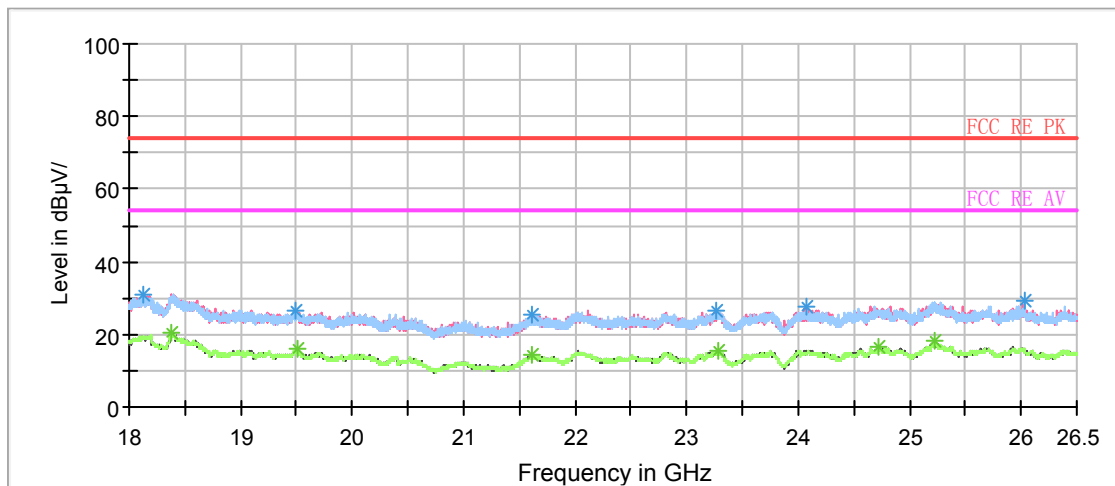
| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 4001.250000     | 39.8          | 101.0       | H            | 0.0           | 40.3                   | -0.5                | 34.2        | 74             |
| 5334.375000     | 41.5          | 101.0       | V            | 294.0         | 45.3                   | -3.8                | 32.5        | 74             |
| 6909.375000     | 44.9          | 101.0       | H            | 151.0         | 51.8                   | -6.9                | 29.1        | 74             |
| 9810.000000     | 47.0          | 101.0       | H            | 0.0           | 59.2                   | -12.2               | 27.0        | 74             |
| 12993.750000    | 50.7          | 101.0       | H            | 123.0         | 66.9                   | -16.2               | 23.3        | 74             |
| 17994.375000    | 59.2          | 101.0       | V            | 320.0         | 84.5                   | -25.3               | 14.8        | 74             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 4001.250000     | 30.3             | 101.0       | H            | 0.0           | 30.8                   | -0.5                | 23.7        | 54             |
| 5334.375000     | 32.8             | 101.0       | V            | 294.0         | 36.6                   | -3.8                | 21.2        | 54             |
| 6909.375000     | 35.0             | 101.0       | H            | 151.0         | 41.9                   | -6.9                | 19.0        | 54             |
| 9810.000000     | 37.4             | 101.0       | H            | 0.0           | 49.6                   | -12.2               | 16.6        | 54             |
| 12993.750000    | 40.6             | 101.0       | H            | 123.0         | 56.8                   | -16.2               | 13.4        | 54             |
| 17994.375000    | 50.1             | 101.0       | V            | 320.0         | 75.4                   | -25.3               | 3.9         | 54             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

## RE 18-26.5GHz PK+AV



## Radiates Emission from 18GHz to 26.5GHz

| Frequency (MHz) | Peak (dBuV/m) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 18380.375000    | 30.6          | H            | 104.0         | 35.4                   | -4.8                | 43.4        | 74             |
| 19515.125000    | 25.3          | V            | 274.0         | 32.8                   | -7.5                | 48.7        | 74             |
| 21614.625000    | 23.1          | H            | 104.0         | 32.0                   | -8.9                | 50.9        | 74             |
| 23279.562500    | 24.3          | V            | 333.0         | 31.4                   | -7.1                | 49.7        | 74             |
| 24724.562500    | 25.5          | H            | 0.0           | 31.7                   | -6.2                | 48.5        | 74             |
| 25230.312500    | 27.8          | H            | 165.0         | 33.7                   | -5.9                | 46.2        | 74             |

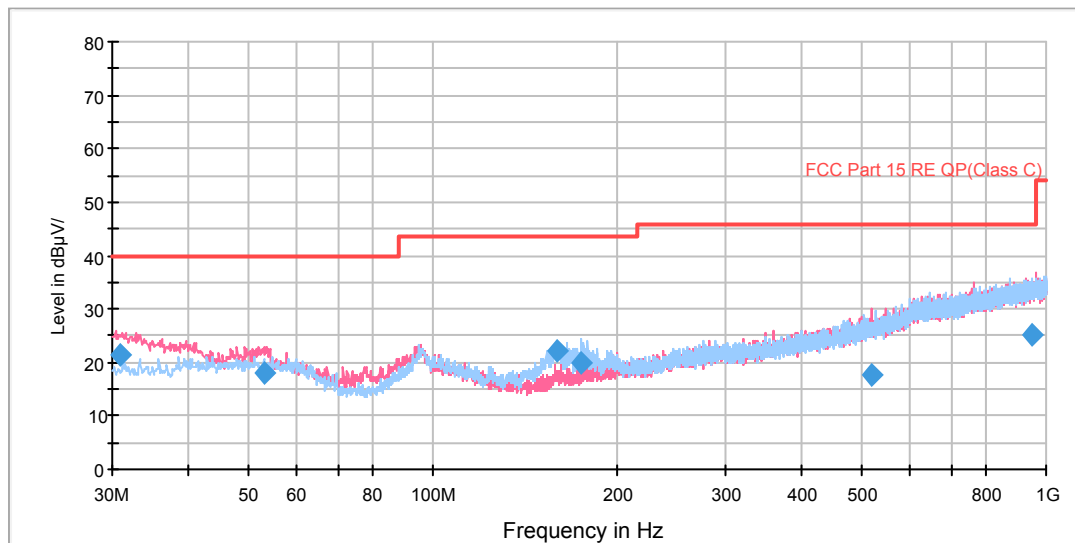
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 18380.375000    | 20.3             | H            | 104.0         | 25.1                   | -4.8                | 33.7        | 54             |
| 19515.125000    | 15.8             | V            | 274.0         | 23.3                   | -7.5                | 38.2        | 54             |
| 21614.625000    | 14.3             | H            | 104.0         | 23.2                   | -8.9                | 39.7        | 54             |
| 23279.562500    | 15.4             | V            | 333.0         | 22.5                   | -7.1                | 38.6        | 54             |
| 24724.562500    | 16.5             | H            | 0.0           | 22.7                   | -6.2                | 37.5        | 54             |
| 25230.312500    | 18.1             | H            | 165.0         | 24.0                   | -5.9                | 35.9        | 54             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

## 802.11n (HT40) CH9

FCC RE 0.03-1GHz QP Class C



Radiates Emission from 30MHz to 1GHz

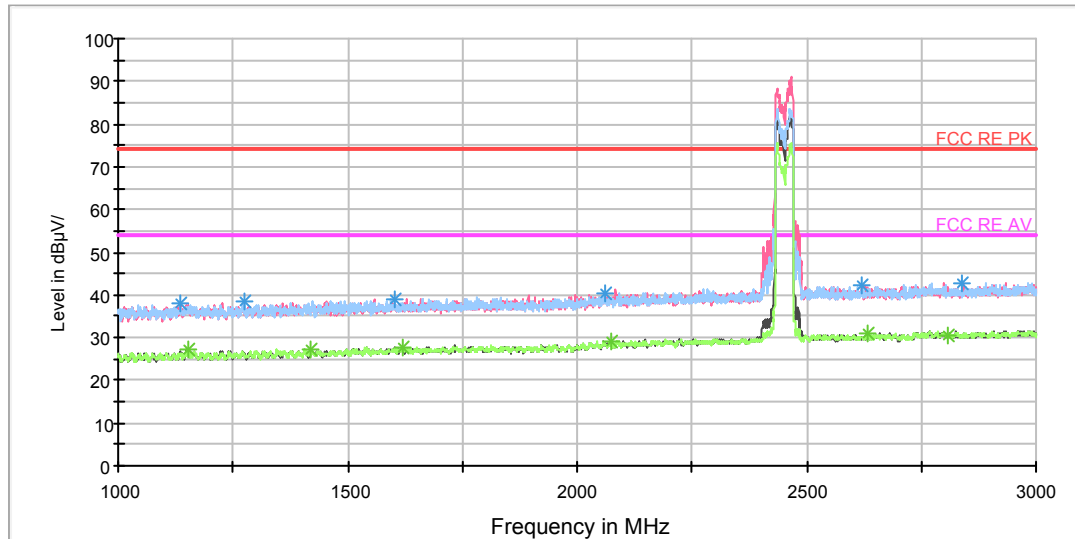
| Frequency (MHz) | Quasi-Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 30.880000       | 21.4                | 100.0       | V            | 260.0         | 33.3                   | 11.9                | 18.6        | 40.0           |
| 53.286250       | 17.9                | 100.0       | V            | 232.0         | 30.7                   | 12.8                | 22.1        | 40.0           |
| 159.580000      | 22.3                | 125.0       | H            | 268.0         | 32.0                   | 9.7                 | 21.2        | 43.5           |
| 175.130000      | 20.1                | 125.0       | H            | 253.0         | 30.7                   | 10.6                | 23.4        | 43.5           |
| 519.813750      | 17.6                | 125.0       | V            | 88.0          | 37.9                   | 20.3                | 28.4        | 46.0           |
| 951.262500      | 25.0                | 100.0       | H            | 322.0         | 51.0                   | 26.0                | 21.0        | 46.0           |

Remark: 1. Quasi-Peak = Reading value + Correction factor

2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)

3. Margin = Limit – Quasi-Peak





Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

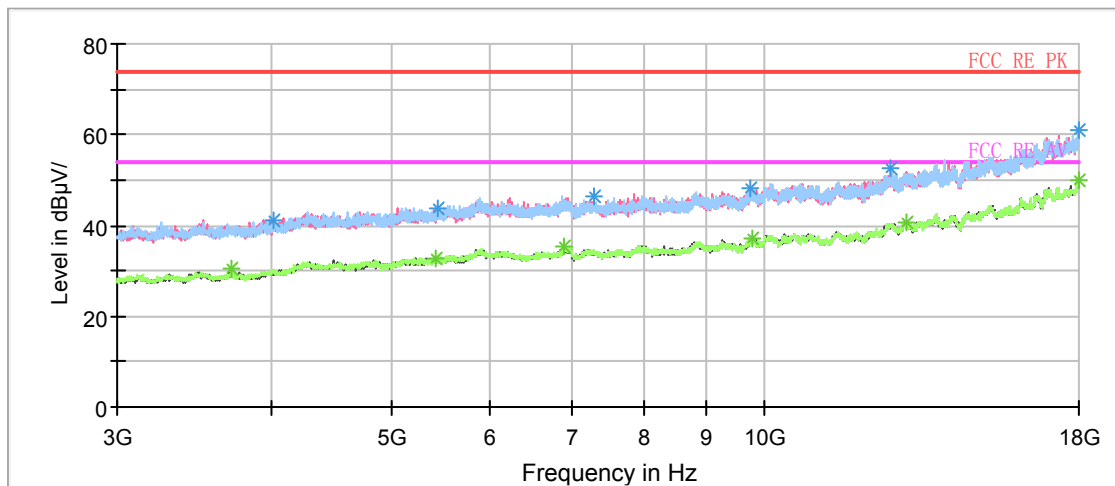
| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 1153.500000     | 37.2          | 100.0       | H            | 9.0           | 48.0                   | -10.8               | 36.8        | 74             |
| 1421.000000     | 37.2          | 100.0       | V            | 349.0         | 47.0                   | -9.8                | 36.8        | 74             |
| 1619.000000     | 38.0          | 100.0       | V            | 297.0         | 46.9                   | -8.9                | 36.0        | 74             |
| 2073.500000     | 38.4          | 100.0       | V            | 113.0         | 45.7                   | -7.3                | 35.6        | 74             |
| 2632.500000     | 40.1          | 100.0       | V            | 223.0         | 44.7                   | -4.6                | 33.9        | 74             |
| 2808.500000     | 40.3          | 100.0       | H            | 13.0          | 44.4                   | -4.1                | 33.7        | 74             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 1135.500000     | 26.2             | 100.0       | V            | 0.0           | 37.1                   | -10.9               | 27.8        | 54             |
| 1274.500000     | 26.1             | 100.0       | H            | 152.0         | 36.4                   | -10.3               | 27.9        | 54             |
| 1603.500000     | 27.0             | 100.0       | H            | 2.0           | 36.0                   | -9.0                | 27.0        | 54             |
| 2060.000000     | 28.3             | 100.0       | V            | 191.0         | 35.7                   | -7.4                | 25.7        | 54             |
| 2618.500000     | 30.0             | 100.0       | V            | 0.0           | 34.6                   | -4.6                | 24.0        | 54             |
| 2839.000000     | 30.4             | 100.0       | H            | 120.0         | 34.6                   | -4.2                | 23.6        | 54             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

## RE 3-18GHz PK+AV



## Radiates Emission from 3GHz to 18GHz

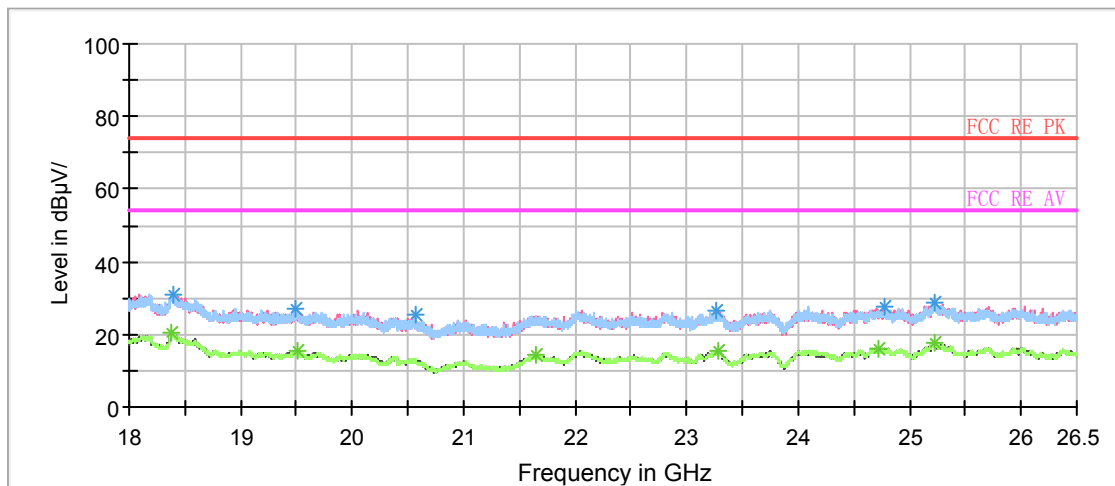
| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3718.125000     | 38.3          | 101.0       | H            | 7.0           | 38.6                   | -0.3                | 35.7        | 74             |
| 5439.375000     | 42.1          | 101.0       | V            | 0.0           | 45.9                   | -3.8                | 31.9        | 74             |
| 6905.625000     | 44.8          | 101.0       | V            | 183.0         | 51.7                   | -6.9                | 29.2        | 74             |
| 9811.875000     | 46.6          | 101.0       | H            | 0.0           | 58.8                   | -12.2               | 27.4        | 74             |
| 13040.625000    | 49.6          | 101.0       | H            | 7.0           | 65.8                   | -16.2               | 24.4        | 74             |
| 17975.625000    | 58.5          | 101.0       | V            | 284.0         | 83.6                   | -25.1               | 15.5        | 74             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3718.125000     | 30.4             | 101.0       | H            | 7.0           | 30.7                   | -0.3                | 23.6        | 54             |
| 5439.375000     | 32.8             | 101.0       | V            | 0.0           | 36.6                   | -3.8                | 21.2        | 54             |
| 6905.625000     | 35.2             | 101.0       | V            | 183.0         | 42.1                   | -6.9                | 18.8        | 54             |
| 9811.875000     | 37.2             | 101.0       | H            | 0.0           | 49.4                   | -12.2               | 16.8        | 54             |
| 13040.625000    | 40.7             | 101.0       | H            | 7.0           | 56.9                   | -16.2               | 13.3        | 54             |
| 17975.625000    | 49.9             | 101.0       | V            | 284.0         | 75.0                   | -25.1               | 4.1         | 54             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

## RE 18-26.5GHz PK+AV



## Radiates Emission from 18GHz to 26.5GHz

| Frequency (MHz) | Peak (dBuV/m) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 18384.625000    | 29.1          | V            | 129.0         | 33.9                   | -4.8                | 44.9        | 74             |
| 19504.500000    | 25.0          | H            | 287.0         | 32.5                   | -7.5                | 49.0        | 74             |
| 21652.875000    | 24.3          | H            | 18.0          | 33.5                   | -9.2                | 49.7        | 74             |
| 23288.062500    | 24.1          | H            | 201.0         | 31.2                   | -7.1                | 49.9        | 74             |
| 24718.187500    | 25.1          | V            | 273.0         | 31.5                   | -6.4                | 48.9        | 74             |
| 25223.937500    | 27.7          | H            | 0.0           | 33.6                   | -5.9                | 46.3        | 74             |

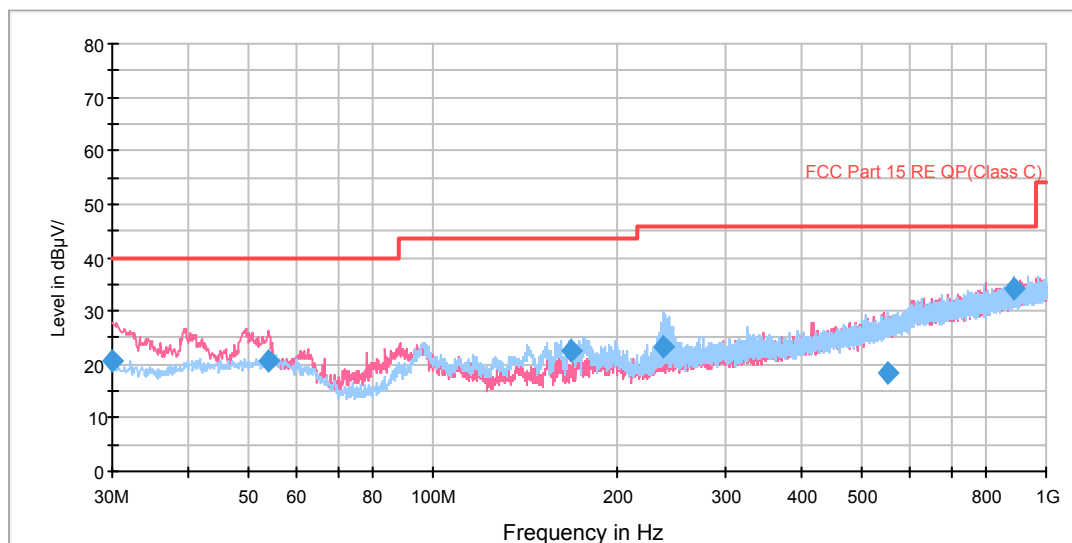
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 18384.625000    | 20.6             | V            | 129.0         | 25.4                   | -4.8                | 33.4        | 54             |
| 19504.500000    | 15.6             | H            | 287.0         | 23.1                   | -7.5                | 38.4        | 54             |
| 21652.875000    | 14.2             | H            | 18.0          | 23.4                   | -9.2                | 39.8        | 54             |
| 23288.062500    | 15.4             | H            | 201.0         | 22.5                   | -7.1                | 38.6        | 54             |
| 24718.187500    | 16.2             | V            | 273.0         | 22.6                   | -6.4                | 37.8        | 54             |
| 25223.937500    | 17.9             | H            | 0.0           | 23.8                   | -5.9                | 36.1        | 54             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

## BLE-Channel 0

FCC RE 0.03-1GHz QP Class C



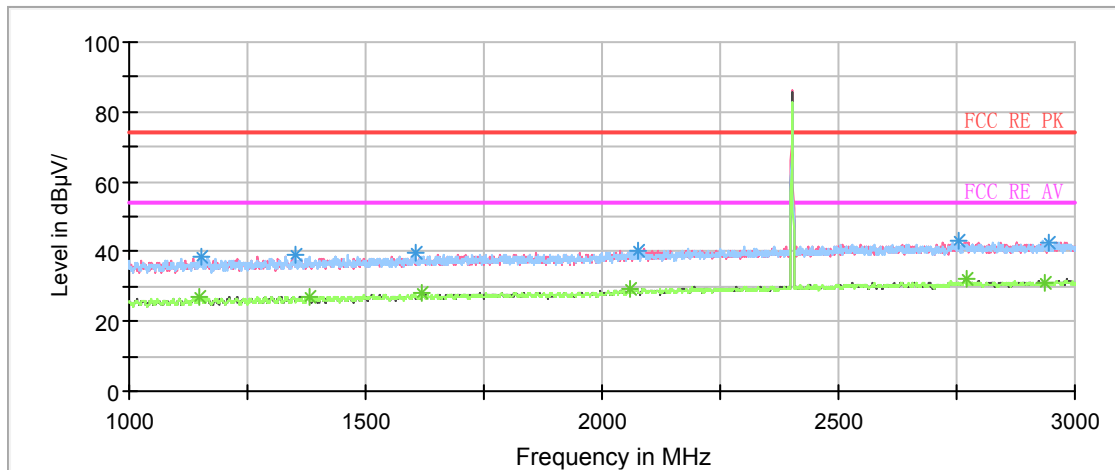
Radiates Emission from 30MHz to 1GHz

| Frequency (MHz) | Quasi-Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 30.000000       | 20.7                | 100.0       | V            | 266.0         | 32.6                   | -11.9               | 19.3        | 40.0           |
| 53.846250       | 20.6                | 100.0       | V            | 270.0         | 33.4                   | -12.8               | 19.4        | 40.0           |
| 168.018750      | 22.6                | 125.0       | H            | 280.0         | 32.8                   | -10.2               | 20.9        | 43.5           |
| 238.308750      | 23.3                | 125.0       | H            | 98.0          | 37.0                   | -13.7               | 22.7        | 46.0           |
| 553.672500      | 18.5                | 114.0       | H            | 262.0         | 39.7                   | -21.2               | 27.5        | 46.0           |
| 888.006250      | 34.1                | 100.0       | H            | 26.0          | 59.6                   | -25.5               | 11.9        | 46.0           |

Remark: 1. Quasi-Peak = Reading value + Correction factor

2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)

3. Margin = Limit – Quasi-Peak



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

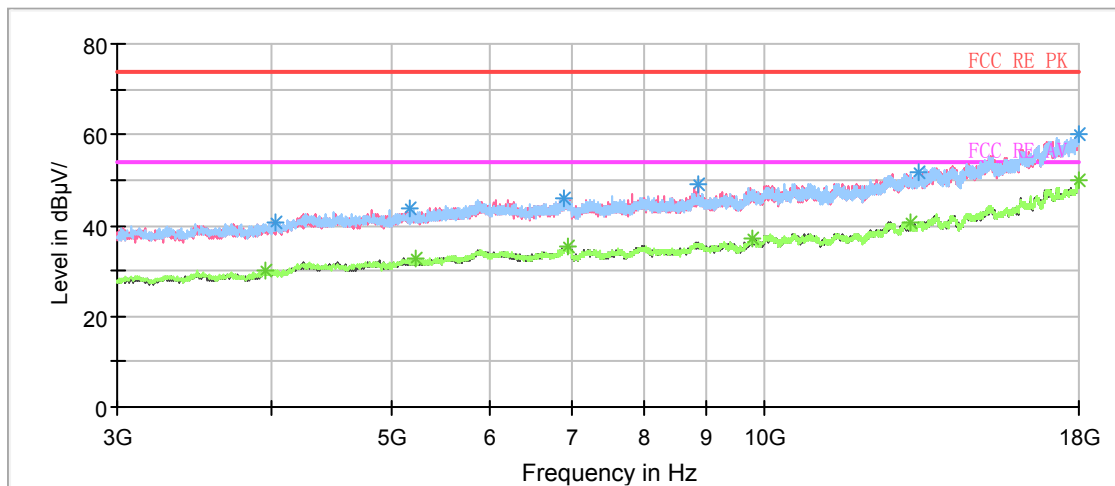
| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 1150.000000     | 36.7          | 100.0       | V            | 252.0         | 47.5                   | -10.8               | 37.3        | 74             |
| 1379.500000     | 36.1          | 100.0       | H            | 192.0         | 46.0                   | -9.9                | 37.9        | 74             |
| 1619.000000     | 36.6          | 100.0       | H            | 75.0          | 45.5                   | -8.9                | 37.4        | 74             |
| 2057.500000     | 39.5          | 100.0       | H            | 3.0           | 46.9                   | -7.4                | 34.5        | 74             |
| 2769.500000     | 41.6          | 100.0       | H            | 5.0           | 45.9                   | -4.3                | 32.4        | 74             |
| 2936.500000     | 41.8          | 100.0       | V            | 355.0         | 45.9                   | -4.1                | 32.2        | 74             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 1152.500000     | 26.3             | 100.0       | H            | 53.0          | 37.1                   | -10.8               | 27.7        | 54             |
| 1350.000000     | 26.6             | 100.0       | H            | 0.0           | 36.6                   | -10.0               | 27.4        | 54             |
| 1604.000000     | 27.8             | 100.0       | H            | 7.0           | 36.8                   | -9.0                | 26.2        | 54             |
| 2075.500000     | 28.3             | 100.0       | V            | 167.0         | 35.6                   | -7.3                | 25.7        | 54             |
| 2754.000000     | 30.9             | 100.0       | H            | 0.0           | 35.2                   | -4.3                | 23.1        | 54             |
| 2943.000000     | 30.8             | 100.0       | H            | 159.0         | 34.9                   | -4.1                | 23.2        | 54             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

## RE 3-18GHz PK+AV



## Radiates Emission from 3GHz to 18GHz

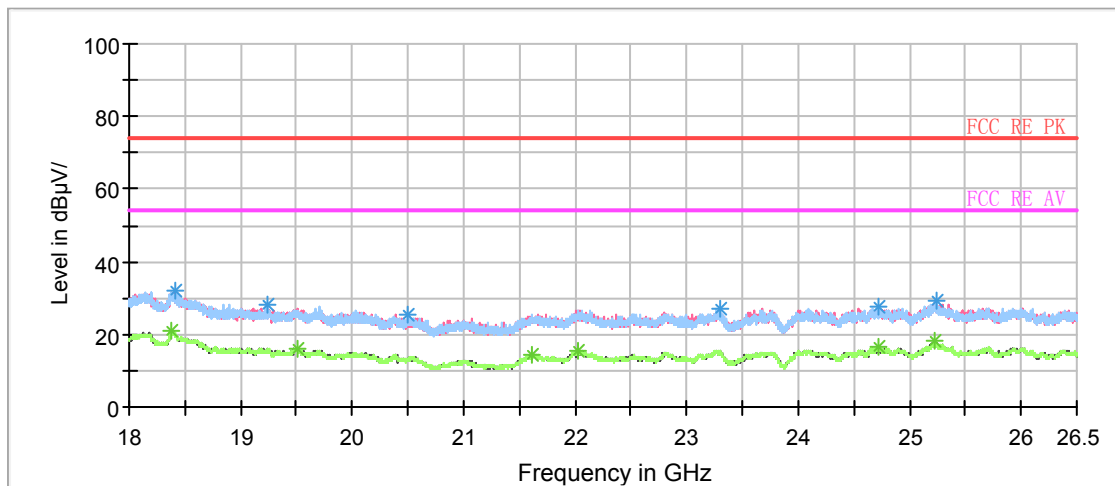
| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 4023.750000     | 40.8          | 101.0       | H            | 330.0         | 41.4                   | -0.6                | 33.2        | 74             |
| 5175.000000     | 43.9          | 101.0       | H            | 65.0          | 47.5                   | -3.6                | 30.1        | 74             |
| 6901.875000     | 45.9          | 101.0       | H            | 0.0           | 52.9                   | -7.0                | 28.1        | 74             |
| 8842.500000     | 48.9          | 101.0       | V            | 0.0           | 58.7                   | -9.8                | 25.1        | 74             |
| 13351.875000    | 51.6          | 101.0       | V            | 0.0           | 67.4                   | -15.8               | 22.4        | 74             |
| 17979.375000    | 60.2          | 101.0       | V            | 257.0         | 85.4                   | -25.2               | 13.8        | 74             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3956.250000     | 30.1             | 101.0       | H            | 176.0         | 30.3                   | -0.2                | 23.9        | 54             |
| 5231.250000     | 32.6             | 101.0       | V            | 151.0         | 36.3                   | -3.7                | 21.4        | 54             |
| 6946.875000     | 35.2             | 101.0       | H            | 65.0          | 41.9                   | -6.7                | 18.8        | 54             |
| 9808.125000     | 37.2             | 101.0       | V            | 329.0         | 49.4                   | -12.2               | 16.8        | 54             |
| 13151.250000    | 40.6             | 101.0       | V            | 329.0         | 56.2                   | -15.6               | 13.4        | 54             |
| 18000.000000    | 49.8             | 101.0       | H            | 0.0           | 75.2                   | -25.4               | 4.2         | 54             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

## RE 18-26.5GHz PK+AV



## Radiates Emission from 18GHz to 26.5GHz

| Frequency (MHz) | Peak (dBuV/m) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 18404.812500    | 31.8          | V            | 273.0         | 36.8                   | -5.0                | 42.2        | 74             |
| 19232.500000    | 28.0          | H            | 239.0         | 34.8                   | -6.8                | 46.0        | 74             |
| 20501.125000    | 25.7          | H            | 86.0          | 33.8                   | -8.1                | 48.3        | 74             |
| 23294.437500    | 27.3          | H            | 111.0         | 34.3                   | -7.0                | 46.7        | 74             |
| 24716.062500    | 27.6          | H            | 128.0         | 34.0                   | -6.4                | 46.4        | 74             |
| 25237.750000    | 29.4          | H            | 257.0         | 35.5                   | -6.1                | 44.6        | 74             |

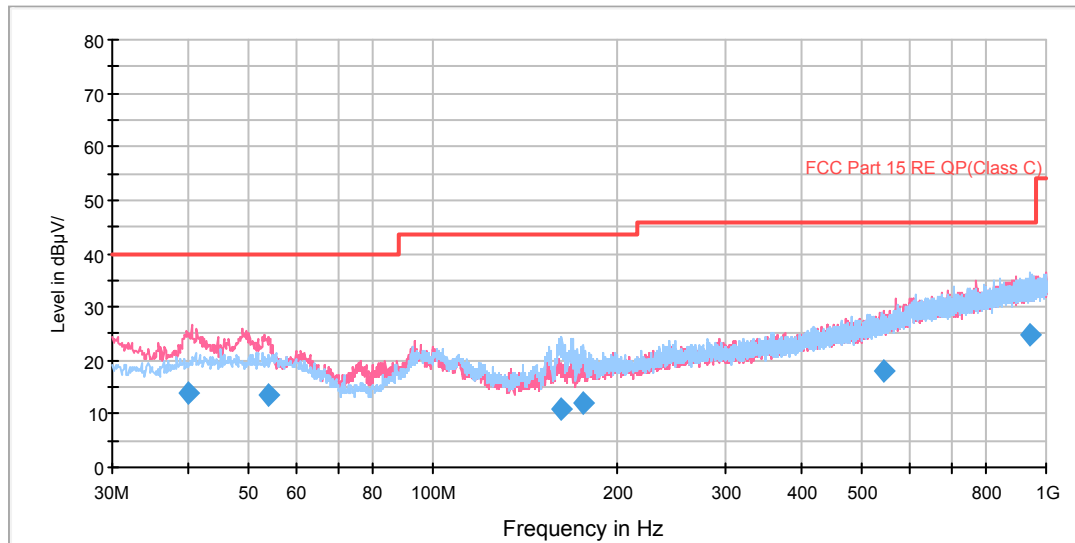
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 18384.625000    | 21.1             | V            | 313.0         | 25.9                   | -4.8                | 32.9        | 54             |
| 19501.312500    | 16.3             | V            | 330.0         | 23.8                   | -7.5                | 37.7        | 54             |
| 21606.125000    | 14.6             | H            | 101.0         | 23.4                   | -8.8                | 39.4        | 54             |
| 22023.687500    | 15.6             | V            | 248.0         | 23.6                   | -8.0                | 38.4        | 54             |
| 24721.375000    | 16.4             | V            | 129.0         | 22.7                   | -6.3                | 37.6        | 54             |
| 25222.875000    | 18.0             | H            | 20.0          | 23.9                   | -5.9                | 36.0        | 54             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

## BLE-Channel 19

FCC RE 0.03-1GHz QP Class C

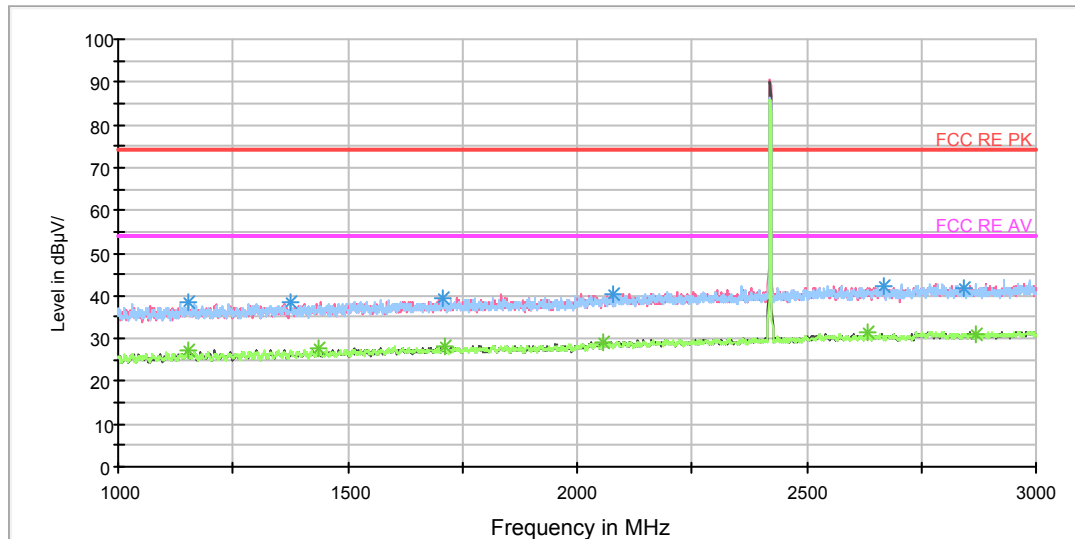


Radiates Emission from 30MHz to 1GHz

| Frequency (MHz) | Quasi-Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 40.067500       | 13.8                | 100.0       | V            | 300.0         | 27.0                   | 13.2                | 26.2        | 40.0           |
| 53.927500       | 13.6                | 100.0       | V            | 278.0         | 26.4                   | 12.8                | 26.4        | 40.0           |
| 162.045000      | 10.8                | 125.0       | H            | 286.0         | 20.6                   | 9.8                 | 32.7        | 43.5           |
| 175.817500      | 11.9                | 125.0       | H            | 281.0         | 22.5                   | 10.6                | 31.6        | 43.5           |
| 543.328750      | 18.2                | 118.0       | V            | 210.0         | 39.1                   | 20.9                | 27.8        | 46.0           |
| 939.291250      | 24.9                | 100.0       | H            | 120.0         | 50.8                   | 25.9                | 21.1        | 46.0           |

- Remark: 1. Quasi-Peak = Reading value + Correction factor  
2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)  
3. Margin = Limit – Quasi-Peak





Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

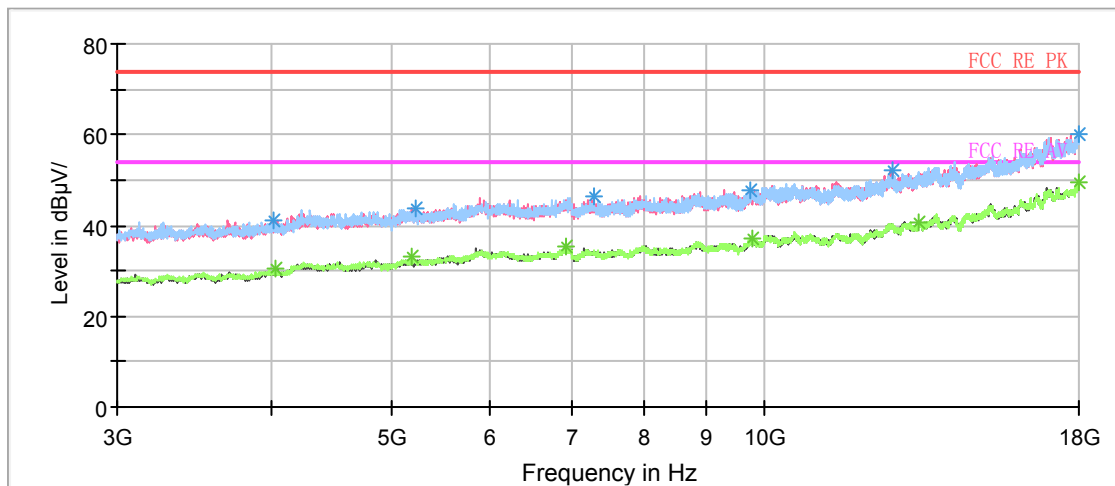
| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 1151.500000     | 36.8          | 100.0       | H            | 0.0           | 47.6                   | -10.8               | 37.2        | 74             |
| 1437.000000     | 36.6          | 100.0       | H            | 5.0           | 46.3                   | -9.7                | 37.4        | 74             |
| 1712.000000     | 37.1          | 100.0       | H            | 5.0           | 45.8                   | -8.7                | 36.9        | 74             |
| 2058.000000     | 39.5          | 100.0       | V            | 257.0         | 46.9                   | -7.4                | 34.5        | 74             |
| 2633.500000     | 40.1          | 100.0       | V            | 39.0          | 44.7                   | -4.6                | 33.9        | 74             |
| 2868.500000     | 40.5          | 100.0       | V            | 300.0         | 44.7                   | -4.2                | 33.5        | 74             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 1153.500000     | 26.9             | 100.0       | H            | 43.0          | 37.7                   | -10.8               | 27.1        | 54             |
| 1376.500000     | 27.2             | 100.0       | H            | 139.0         | 37.1                   | -9.9                | 26.8        | 54             |
| 1706.000000     | 27.4             | 100.0       | V            | 321.0         | 36.1                   | -8.7                | 26.6        | 54             |
| 2078.000000     | 28.5             | 100.0       | H            | 128.0         | 35.8                   | -7.3                | 25.5        | 54             |
| 2666.000000     | 30.3             | 100.0       | H            | 0.0           | 34.9                   | -4.6                | 23.7        | 54             |
| 2843.500000     | 30.6             | 100.0       | V            | 225.0         | 34.8                   | -4.2                | 23.4        | 54             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

## RE 3-18GHz PK+AV



## Radiates Emission from 3GHz to 18GHz

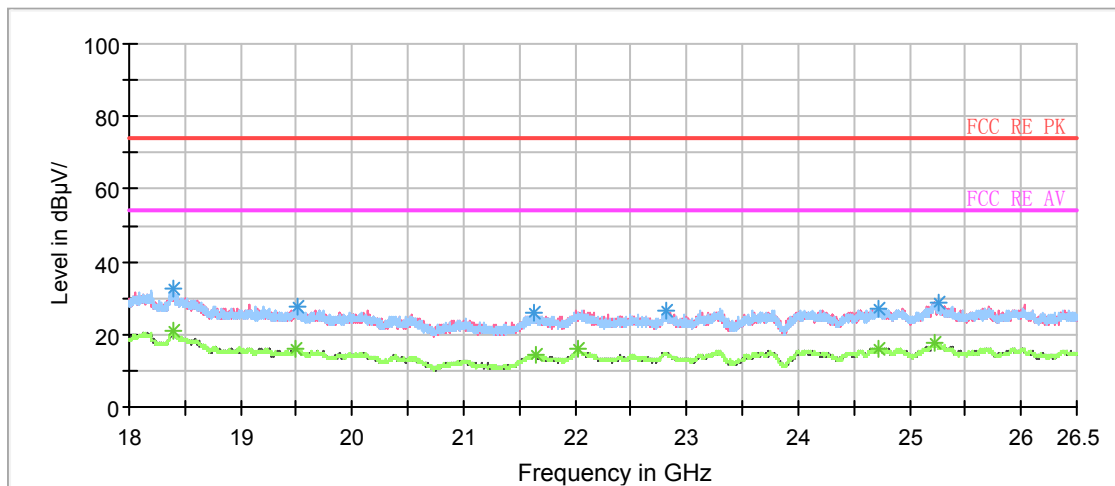
| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 4020.000000     | 41.3          | 101.0       | V            | 153.0         | 41.8                   | -0.5                | 32.7        | 74             |
| 5229.375000     | 43.5          | 101.0       | V            | 283.0         | 47.2                   | -3.7                | 30.5        | 74             |
| 7305.000000     | 46.3          | 101.0       | H            | 76.0          | 54.9                   | -8.6                | 27.7        | 74             |
| 9755.625000     | 47.7          | 101.0       | V            | 312.0         | 59.4                   | -11.7               | 26.3        | 74             |
| 12729.375000    | 52.3          | 101.0       | V            | 168.0         | 67.4                   | -15.1               | 21.7        | 74             |
| 17996.250000    | 60.2          | 101.0       | V            | 312.0         | 85.6                   | -25.4               | 13.8        | 74             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 4027.500000     | 30.3             | 101.0       | H            | 106.0         | 30.9                   | -0.6                | 23.7        | 54             |
| 5197.500000     | 33.0             | 101.0       | H            | 18.0          | 36.6                   | -3.6                | 21.0        | 54             |
| 6926.250000     | 35.2             | 101.0       | H            | 47.0          | 42.0                   | -6.8                | 18.8        | 54             |
| 9808.125000     | 37.1             | 101.0       | V            | 168.0         | 49.3                   | -12.2               | 16.9        | 54             |
| 13350.000000    | 40.8             | 101.0       | V            | 0.0           | 56.6                   | -15.8               | 13.2        | 54             |
| 17985.000000    | 49.6             | 101.0       | H            | 47.0          | 74.8                   | -25.2               | 4.4         | 54             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

## RE 18-26.5GHz PK+AV



## Radiates Emission from 18GHz to 26.5GHz

| Frequency (MHz) | Peak (dBuV/m) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 18392.062500    | 32.4          | H            | 172.0         | 37.3                   | -4.9                | 41.6        | 74             |
| 19515.125000    | 27.4          | H            | 0.0           | 34.9                   | -7.5                | 46.6        | 74             |
| 21636.937500    | 26.1          | H            | 99.0          | 35.2                   | -9.1                | 47.9        | 74             |
| 22808.875000    | 26.7          | H            | 67.0          | 34.1                   | -7.4                | 47.3        | 74             |
| 24725.625000    | 27.3          | H            | 122.0         | 33.5                   | -6.2                | 46.7        | 74             |
| 25255.812500    | 28.8          | V            | 149.0         | 35.6                   | -6.8                | 45.2        | 74             |

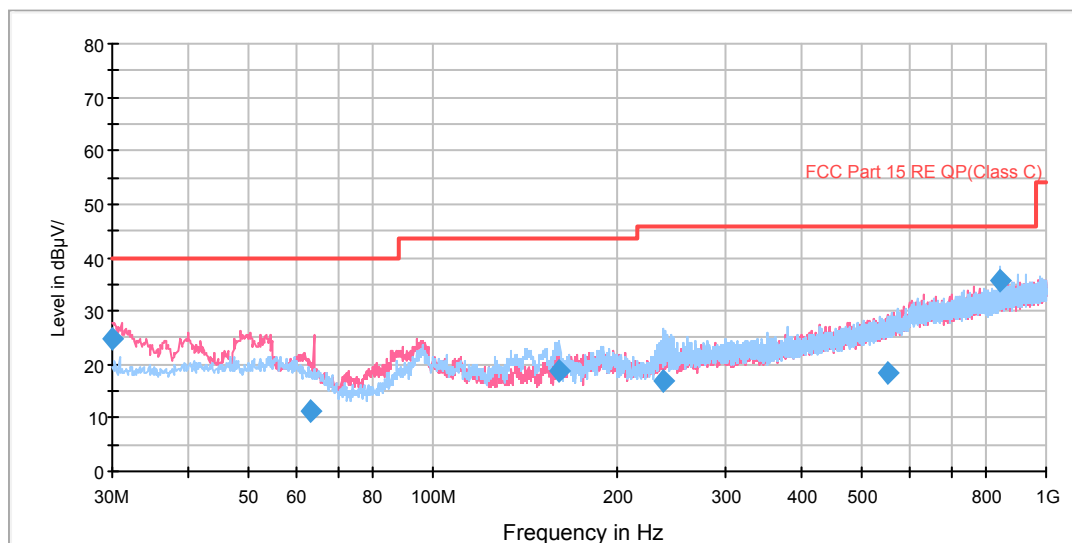
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 18387.812500    | 21.0             | H            | 238.0         | 25.9                   | -4.9                | 33.0        | 54             |
| 19484.312500    | 16.1             | H            | 9.0           | 23.8                   | -7.7                | 37.9        | 54             |
| 21650.750000    | 14.4             | V            | 174.0         | 23.6                   | -9.2                | 39.6        | 54             |
| 22027.937500    | 15.8             | H            | 50.0          | 23.7                   | -7.9                | 38.2        | 54             |
| 24718.187500    | 16.3             | V            | 70.0          | 22.7                   | -6.4                | 37.7        | 54             |
| 25231.375000    | 17.7             | H            | 180.0         | 23.6                   | -5.9                | 36.3        | 54             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

## BLE-Channel 39

FCC RE 0.03-1GHz QP Class C



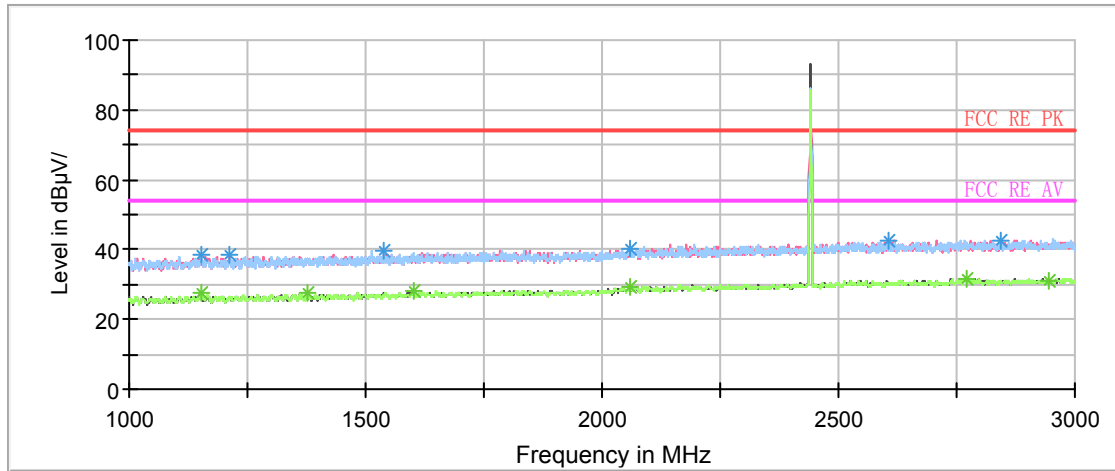
Radiates Emission from 30MHz to 1GHz

| Frequency (MHz) | Quasi-Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 30.040000       | 24.8                | 100.0       | V            | 233.0         | 36.7                   | -11.9               | 15.2        | 40.0           |
| 63.350000       | 11.5                | 100.0       | V            | 233.0         | 22.6                   | -11.1               | 28.5        | 40.0           |
| 160.986250      | 19.0                | 125.0       | H            | 345.0         | 28.8                   | -9.8                | 24.5        | 43.5           |
| 237.298750      | 17.0                | 125.0       | H            | 98.0          | 30.6                   | -13.6               | 29.0        | 46.0           |
| 551.693750      | 18.4                | 100.0       | V            | 128.0         | 39.4                   | -21.0               | 27.6        | 46.0           |
| 839.991250      | 35.5                | 100.0       | H            | 33.0          | 60.3                   | -24.8               | 10.5        | 46.0           |

Remark: 1. Quasi-Peak = Reading value + Correction factor

2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)

3. Margin = Limit – Quasi-Peak



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

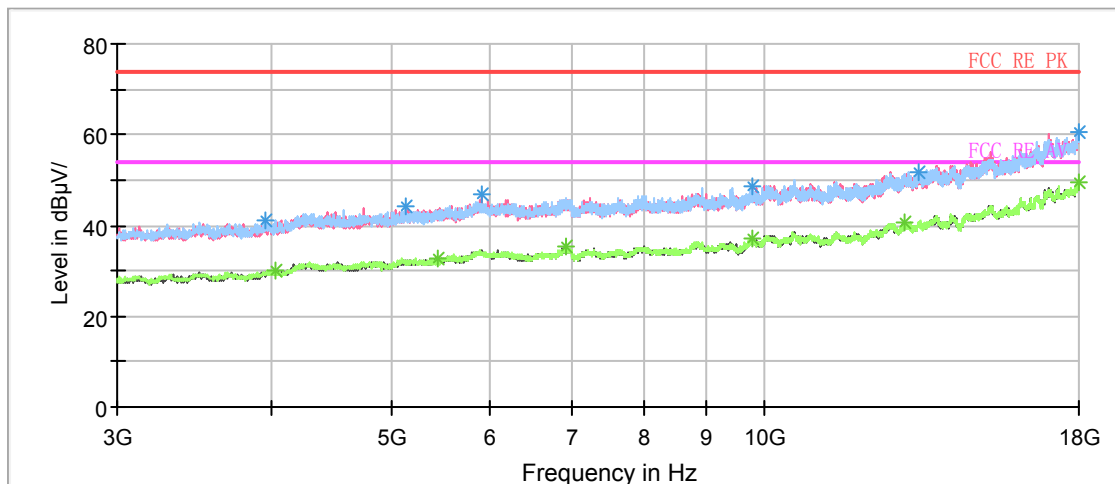
| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 1151.500000     | 37.9          | 100.0       | V            | 355.0         | 48.7                   | -10.8               | 36.1        | 74             |
| 1377.000000     | 36.7          | 100.0       | V            | 357.0         | 46.6                   | -9.9                | 37.3        | 74             |
| 1600.500000     | 37.0          | 100.0       | V            | 254.0         | 46.0                   | -9.0                | 37.0        | 74             |
| 2058.500000     | 38.6          | 100.0       | V            | 0.0           | 46.0                   | -7.4                | 35.4        | 74             |
| 2769.500000     | 41.1          | 100.0       | V            | 137.0         | 45.4                   | -4.3                | 32.9        | 74             |
| 2945.500000     | 40.3          | 100.0       | V            | 355.0         | 44.4                   | -4.1                | 33.7        | 74             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 1153.500000     | 26.8             | 100.0       | H            | 92.0          | 37.6                   | -10.8               | 27.2        | 54             |
| 1213.500000     | 26.1             | 100.0       | V            | 265.0         | 36.7                   | -10.6               | 27.9        | 54             |
| 1538.000000     | 26.9             | 100.0       | H            | 49.0          | 36.2                   | -9.3                | 27.1        | 54             |
| 2061.000000     | 28.5             | 100.0       | V            | 344.0         | 35.9                   | -7.4                | 25.5        | 54             |
| 2605.000000     | 30.7             | 100.0       | H            | 38.0          | 35.3                   | -4.6                | 23.3        | 54             |
| 2844.500000     | 30.8             | 100.0       | H            | 1.0           | 35.0                   | -4.2                | 23.2        | 54             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

## RE 3-18GHz PK+AV



## Radiates Emission from 3GHz to 18GHz

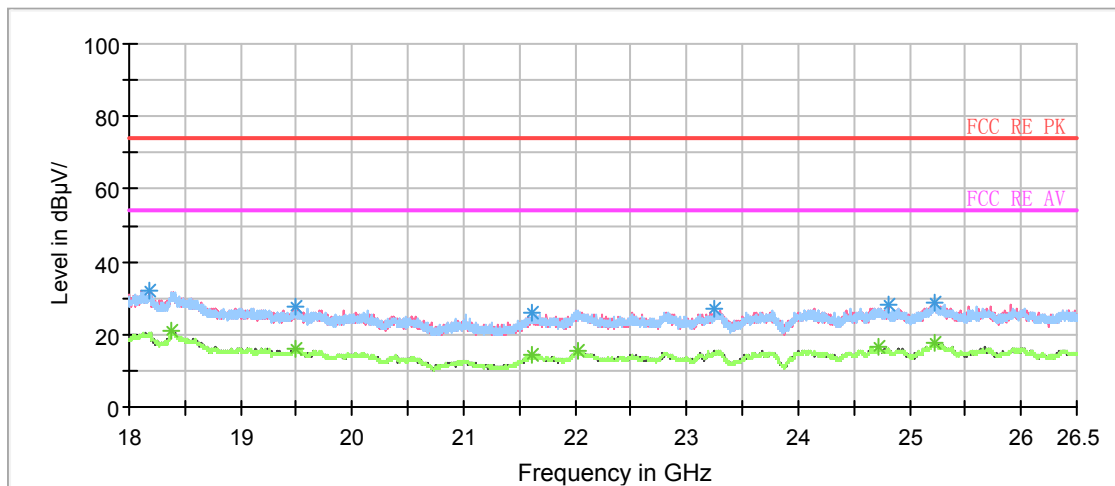
| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3948.750000     | 41.2          | 101.0       | H            | 32.0          | 41.3                   | -0.1                | 32.8        | 74             |
| 5126.250000     | 44.3          | 101.0       | H            | 131.0         | 47.9                   | -3.6                | 29.7        | 74             |
| 5925.000000     | 46.7          | 101.0       | V            | 198.0         | 52.8                   | -6.1                | 27.3        | 74             |
| 9796.875000     | 48.4          | 101.0       | V            | 0.0           | 60.6                   | -12.2               | 25.6        | 74             |
| 13338.750000    | 51.7          | 101.0       | H            | 87.0          | 67.4                   | -15.7               | 22.3        | 74             |
| 17981.250000    | 60.5          | 101.0       | V            | 61.0          | 85.7                   | -25.2               | 13.5        | 74             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 4021.875000     | 30.0             | 101.0       | H            | 145.0         | 30.5                   | -0.5                | 24.0        | 54             |
| 5448.750000     | 32.9             | 101.0       | H            | 0.0           | 36.7                   | -3.8                | 21.1        | 54             |
| 6920.625000     | 35.2             | 101.0       | V            | 0.0           | 42.1                   | -6.9                | 18.8        | 54             |
| 9800.625000     | 37.3             | 101.0       | H            | 87.0          | 49.6                   | -12.3               | 16.7        | 54             |
| 13006.875000    | 40.8             | 101.0       | H            | 200.0         | 57.0                   | -16.2               | 13.2        | 54             |
| 17996.250000    | 49.6             | 101.0       | V            | 240.0         | 75.0                   | -25.4               | 4.4         | 54             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

## RE 18-26.5GHz PK+AV



## Radiates Emission from 18GHz to 26.5GHz

| Frequency (MHz) | Peak (dBuV/m) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 18187.000000    | 32.0          | V            | 275.0         | 36.9                   | -4.9                | 42.0        | 74             |
| 19484.312500    | 27.9          | H            | 264.0         | 35.6                   | -7.7                | 46.1        | 74             |
| 21612.500000    | 25.8          | H            | 1.0           | 34.7                   | -8.9                | 48.2        | 74             |
| 23256.187500    | 27.0          | V            | 17.0          | 34.4                   | -7.4                | 47.0        | 74             |
| 24814.875000    | 28.3          | V            | 150.0         | 35.2                   | -6.9                | 45.7        | 74             |
| 25232.437500    | 28.8          | H            | 180.0         | 34.7                   | -5.9                | 45.2        | 74             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 18381.437500    | 21.1             | H            | 113.0         | 25.9                   | -4.8                | 32.9        | 54             |
| 19493.875000    | 16.2             | H            | 1.0           | 23.8                   | -7.6                | 37.8        | 54             |
| 21608.250000    | 14.6             | H            | 68.0          | 23.4                   | -8.8                | 39.4        | 54             |
| 22027.937500    | 15.6             | V            | 80.0          | 23.5                   | -7.9                | 38.4        | 54             |
| 24721.375000    | 16.4             | V            | 72.0          | 22.7                   | -6.3                | 37.6        | 54             |
| 25222.875000    | 17.8             | H            | 43.0          | 23.7                   | -5.9                | 36.2        | 54             |

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

## 5.8. Conducted Emission

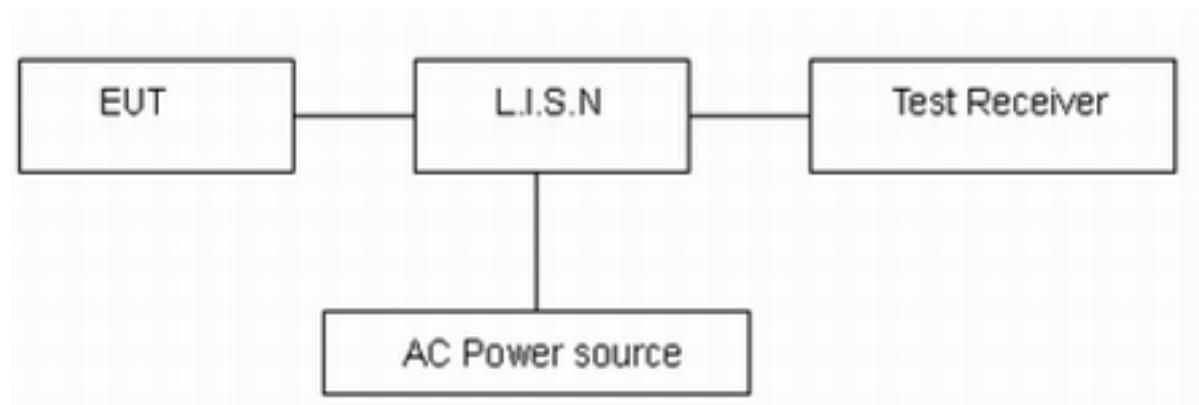
### Ambient condition

| Temperature | Relative humidity | Pressure |
|-------------|-------------------|----------|
| 23°C ~25°C  | 45%~50%           | 101.5kPa |

### Methods of Measurement

The EUT is placed on a non-metallic table of 80cm height above the horizontal metal reference ground plane. During the test, the EUT was operating in its typical mode. The test method is according to ANSI C63.10-2013. Connect the AC power line of the EUT to the L.I.S.N. Use EMI receiver to detect the average and Quasi-peak value. RBW is set to 9 kHz, VBW is set to 30kHz. The measurement result should include both L line and N line.  
The test is in transmitting mode.

### Test Setup



Note: AC Power source is used to change the voltage 110V/60Hz.

### Limits

| Frequency<br>(MHz)                                | Conducted Limits(dBμV) |            |
|---------------------------------------------------|------------------------|------------|
|                                                   | 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. |                        |            |

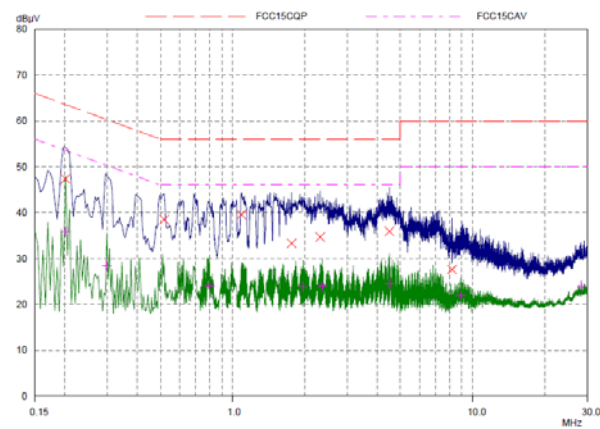
### Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor  $k = 1.96$ ,  $U = 2.69$  dB.



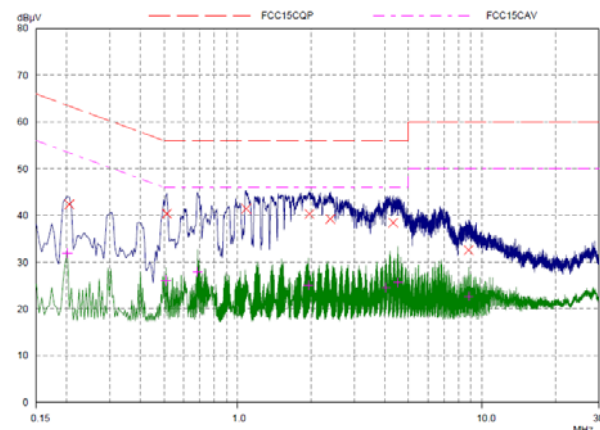
**Test Results:**

Following plots, Blue trace uses the peak detection, Green trace uses the average detection.

**802.11b, Channel No.: 1 L Line****Final Measurement Results**

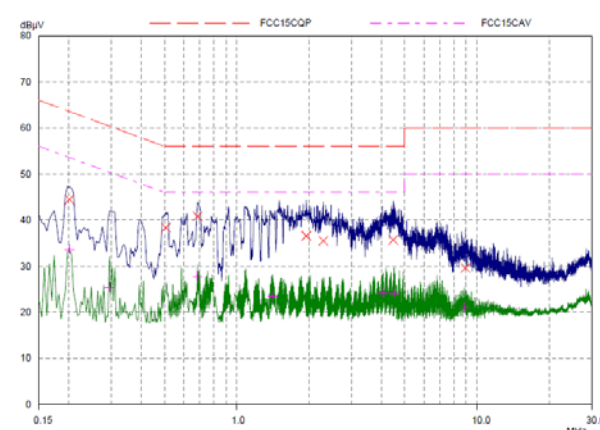
| Frequency MHz | QP Level dBμV | QP Limit dBμV | QP Delta dB | Phase - | PE - |
|---------------|---------------|---------------|-------------|---------|------|
| 0.20078       | 47.34         | 63.58         | 16.24       | L1      | gnd  |
| 0.51718       | 38.46         | 56.00         | 17.54       | L1      | gnd  |
| 1.0875        | 39.58         | 56.00         | 16.42       | L1      | gnd  |
| 1.75937       | 33.31         | 56.00         | 22.69       | L1      | gnd  |
| 2.31406       | 34.66         | 56.00         | 21.34       | L1      | gnd  |
| 4.49765       | 35.91         | 56.00         | 20.09       | L1      | gnd  |
| 8.20078       | 27.61         | 60.00         | 32.39       | L1      | gnd  |

| Frequency MHz | AV Level dBμV | AV Limit dBμV | AV Delta dB | Phase - | PE - |
|---------------|---------------|---------------|-------------|---------|------|
| 0.20078       | 35.79         | 53.58         | 17.79       | L1      | gnd  |
| 0.29843       | 28.43         | 50.29         | 21.86       | L1      | gnd  |
| 0.79843       | 24.08         | 46.00         | 21.92       | L1      | gnd  |
| 1.9664        | 23.83         | 46.00         | 22.17       | L1      | gnd  |
| 2.36093       | 23.92         | 46.00         | 22.08       | L1      | gnd  |
| 4.49765       | 24.54         | 46.00         | 21.46       | L1      | gnd  |
| 8.91953       | 21.92         | 50.00         | 28.08       | L1      | gnd  |
| 28.36093      | 23.90         | 50.00         | 26.10       | L1      | gnd  |

**802.11b, Channel No.: 1 N Line****Final Measurement Results**

| Frequency MHz | QP Level dBμV | QP Limit dBμV | QP Delta dB | Phase - | PE - |
|---------------|---------------|---------------|-------------|---------|------|
| 0.20468       | 42.40         | 63.42         | 21.02       | N       | gnd  |
| 0.51327       | 40.38         | 56.00         | 15.62       | N       | gnd  |
| 1.08359       | 41.46         | 56.00         | 14.54       | N       | gnd  |
| 1.9664        | 40.33         | 56.00         | 15.67       | N       | gnd  |
| 2.39609       | 39.24         | 56.00         | 16.76       | N       | gnd  |
| 4.32968       | 38.45         | 56.00         | 17.55       | N       | gnd  |
| 8.81406       | 32.58         | 60.00         | 27.42       | N       | gnd  |

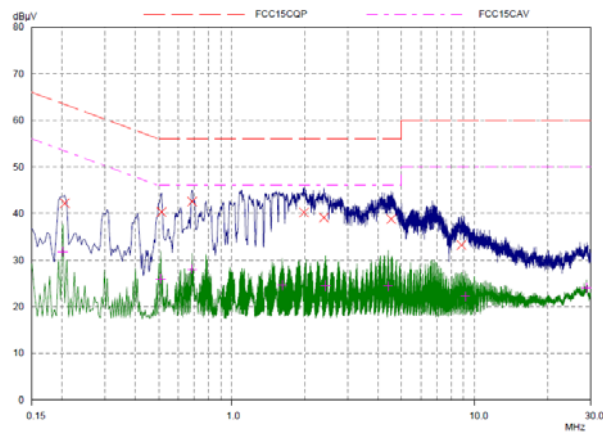
| Frequency MHz | AV Level dBμV | AV Limit dBμV | AV Delta dB | Phase - | PE - |
|---------------|---------------|---------------|-------------|---------|------|
| 0.20078       | 31.96         | 53.58         | 21.62       | N       | gnd  |
| 0.50937       | 26.06         | 46.00         | 19.94       | N       | gnd  |
| 0.68515       | 27.92         | 46.00         | 18.08       | N       | gnd  |
| 1.94687       | 25.08         | 46.00         | 20.92       | N       | gnd  |
| 4.04453       | 24.60         | 46.00         | 21.40       | N       | gnd  |
| 4.525         | 25.64         | 46.00         | 20.36       | N       | gnd  |
| 8.82187       | 22.68         | 50.00         | 27.32       | N       | gnd  |

**802.11b, Channel No.: 6 L Line****Final Measurement Results**

| Frequency MHz | QP Level dBμV | QP Limit dBμV | QP Delta dB | Phase - | PE - |
|---------------|---------------|---------------|-------------|---------|------|
| 0.20078       | 44.48         | 63.58         | 19.10       | L1      | gnd  |
| 0.50546       | 38.38         | 56.00         | 17.62       | L1      | gnd  |
| 0.68515       | 40.81         | 56.00         | 15.19       | L1      | gnd  |
| 1.94296       | 36.57         | 56.00         | 19.43       | L1      | gnd  |
| 2.29062       | 35.50         | 56.00         | 20.50       | L1      | gnd  |
| 4.47812       | 35.71         | 56.00         | 20.29       | L1      | gnd  |
| 8.94296       | 29.61         | 60.00         | 30.39       | L1      | gnd  |

| Frequency MHz | AV Level dBμV | AV Limit dBμV | AV Delta dB | Phase - | PE - |
|---------------|---------------|---------------|-------------|---------|------|
| 0.20078       | 33.65         | 53.58         | 19.93       | L1      | gnd  |
| 0.29453       | 25.42         | 50.40         | 24.98       | L1      | gnd  |
| 0.68515       | 27.81         | 46.00         | 18.19       | L1      | gnd  |
| 1.40781       | 23.57         | 46.00         | 22.43       | L1      | gnd  |
| 4.06405       | 24.21         | 46.00         | 21.79       | L1      | gnd  |
| 4.51328       | 24.05         | 46.00         | 21.95       | L1      | gnd  |
| 8.85703       | 21.13         | 50.00         | 28.87       | L1      | gnd  |

### 802.11b, Channel No.: 6 N Line

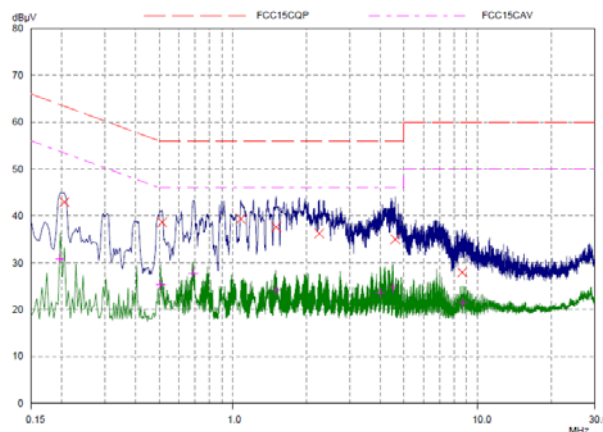


#### Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.20468          | 42.22            | 63.42            | 21.20          | N          | gnd     |
| 0.51327          | 40.32            | 56.00            | 15.68          | N          | gnd     |
| 0.68515          | 42.57            | 56.00            | 13.43          | N          | gnd     |
| 1.98203          | 40.19            | 56.00            | 15.81          | N          | gnd     |
| 2.39609          | 39.14            | 56.00            | 16.86          | N          | gnd     |
| 4.53281          | 38.77            | 56.00            | 17.23          | N          | gnd     |
| 8.82187          | 33.22            | 60.00            | 26.78          | N          | gnd     |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.20078          | 31.76            | 53.58            | 21.82          | N          | gnd     |
| 0.50937          | 25.93            | 46.00            | 20.07          | N          | gnd     |
| 0.68515          | 27.97            | 46.00            | 18.03          | N          | gnd     |
| 1.61093          | 24.63            | 46.00            | 21.37          | N          | gnd     |
| 2.43125          | 24.49            | 46.00            | 21.51          | N          | gnd     |
| 4.40781          | 24.46            | 46.00            | 21.54          | N          | gnd     |
| 9.15781          | 22.24            | 50.00            | 27.76          | N          | gnd     |
| 28.88437         | 24.02            | 50.00            | 25.98          | N          | gnd     |

### 802.11b, Channel No.: 11 L Line

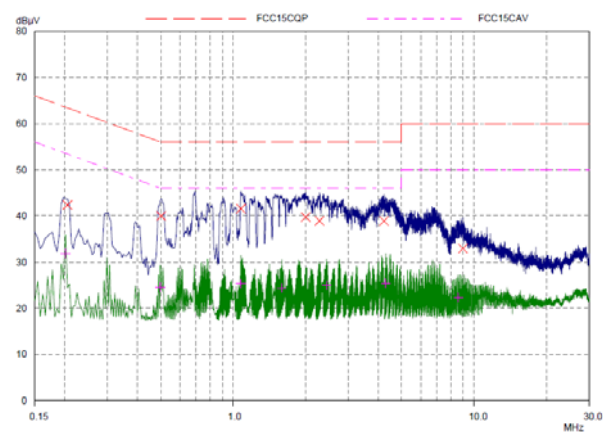


#### Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.20468          | 42.94            | 63.42            | 20.48          | L1         | gnd     |
| 0.51327          | 38.60            | 56.00            | 17.40          | L1         | gnd     |
| 1.07578          | 39.28            | 56.00            | 16.72          | L1         | gnd     |
| 1.50156          | 37.59            | 56.00            | 18.41          | L1         | gnd     |
| 2.25156          | 36.26            | 56.00            | 19.74          | L1         | gnd     |
| 4.60703          | 35.03            | 56.00            | 20.97          | L1         | gnd     |
| 8.64609          | 27.94            | 60.00            | 32.06          | L1         | gnd     |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.19687          | 30.89            | 53.74            | 22.85          | L1         | gnd     |
| 0.50546          | 25.31            | 46.00            | 20.69          | L1         | gnd     |
| 0.68906          | 27.81            | 46.00            | 18.19          | L1         | gnd     |
| 1.49375          | 24.16            | 46.00            | 21.84          | L1         | gnd     |
| 3.99765          | 23.62            | 46.00            | 22.38          | L1         | gnd     |
| 4.50156          | 24.69            | 46.00            | 21.31          | L1         | gnd     |
| 8.70859          | 21.47            | 50.00            | 28.53          | L1         | gnd     |

### 802.11b, Channel No.: 11 N Line



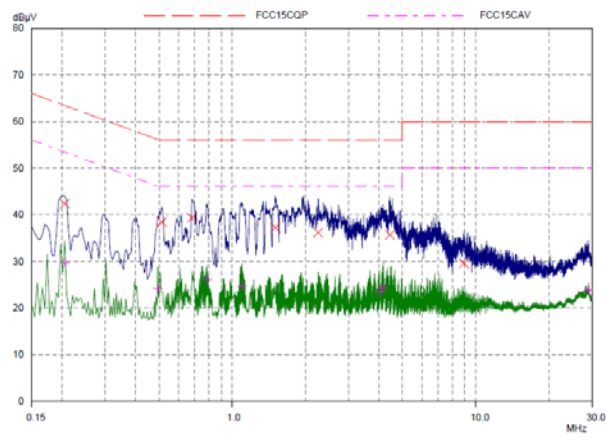
#### Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.20468          | 42.36            | 63.42            | 21.06          | N          | gnd     |
| 0.50156          | 39.96            | 56.00            | 16.04          | N          | gnd     |
| 1.07578          | 41.58            | 56.00            | 14.42          | N          | gnd     |
| 1.99765          | 39.77            | 56.00            | 16.23          | N          | gnd     |
| 2.2789           | 38.94            | 56.00            | 17.06          | N          | gnd     |
| 4.22812          | 38.90            | 56.00            | 17.10          | N          | gnd     |
| 8.99375          | 32.95            | 60.00            | 27.05          | N          | gnd     |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.20078          | 31.89            | 53.58            | 21.69          | N          | gnd     |
| 0.49765          | 24.56            | 46.04            | 21.48          | N          | gnd     |
| 1.07578          | 25.29            | 46.00            | 20.71          | N          | gnd     |
| 1.5875           | 24.40            | 46.00            | 21.60          | N          | gnd     |
| 2.43906          | 24.94            | 46.00            | 21.06          | N          | gnd     |
| 4.29453          | 25.43            | 46.00            | 20.57          | N          | gnd     |
| 8.60703          | 22.33            | 50.00            | 27.67          | N          | gnd     |



## 802.11g, Channel No.: 1 L Line

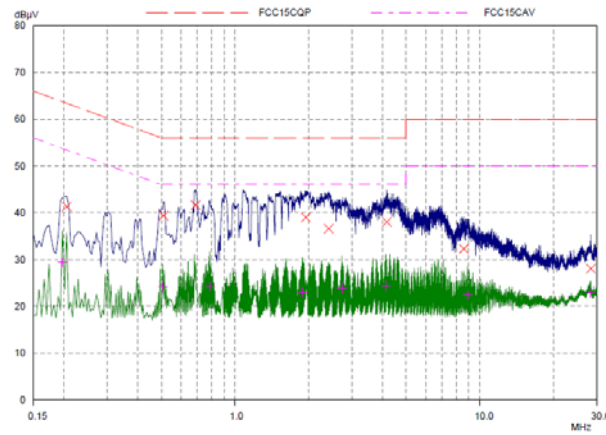


## Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.20468          | 42.34            | 63.42            | 21.08          | L1         | gnd     |
| 0.51327          | 38.40            | 56.00            | 17.60          | L1         | gnd     |
| 0.68125          | 39.31            | 56.00            | 16.69          | L1         | gnd     |
| 1.50156          | 37.25            | 56.00            | 18.75          | L1         | gnd     |
| 2.25156          | 36.10            | 56.00            | 19.90          | L1         | gnd     |
| 4.43125          | 35.69            | 56.00            | 20.31          | L1         | gnd     |
| 8.93515          | 29.59            | 60.00            | 30.41          | L1         | gnd     |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.20468          | 29.68            | 53.42            | 23.74          | L1         | gnd     |
| 0.49375          | 24.09            | 46.10            | 22.01          | L1         | gnd     |
| 0.78671          | 25.98            | 46.00            | 20.02          | L1         | gnd     |
| 1.09531          | 24.77            | 46.00            | 21.23          | L1         | gnd     |
| 4.01717          | 23.53            | 46.00            | 22.47          | L1         | gnd     |
| 4.16953          | 24.29            | 46.00            | 21.71          | L1         | gnd     |
| 29.07578         | 23.89            | 50.00            | 26.11          | L1         | gnd     |

## 802.11g, Channel No.: 1 N Line

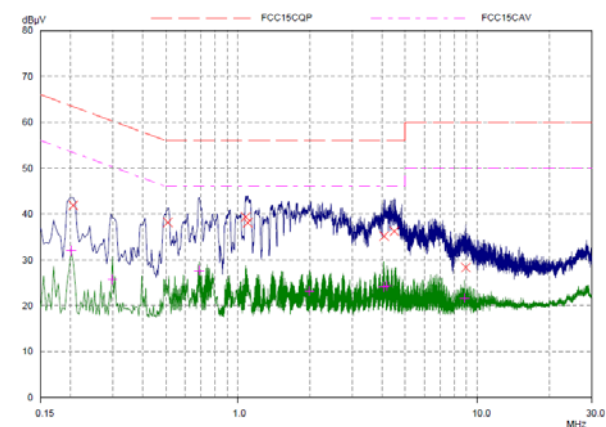


## Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.20468          | 41.32            | 63.42            | 22.10          | N          | gnd     |
| 0.50937          | 39.40            | 56.00            | 16.60          | N          | gnd     |
| 0.68906          | 41.63            | 56.00            | 14.37          | N          | gnd     |
| 1.94296          | 39.05            | 56.00            | 16.95          | N          | gnd     |
| 2.41171          | 36.60            | 56.00            | 19.40          | N          | gnd     |
| 4.16561          | 38.02            | 56.00            | 17.98          | N          | gnd     |
| 8.60312          | 32.32            | 60.00            | 27.68          | N          | gnd     |
| 28.40781         | 28.09            | 60.00            | 31.91          | N          | gnd     |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.19687          | 29.42            | 53.74            | 24.32          | N          | gnd     |
| 0.50546          | 24.25            | 46.00            | 21.75          | N          | gnd     |
| 0.78671          | 24.24            | 46.00            | 21.76          | N          | gnd     |
| 1.88046          | 23.03            | 46.00            | 22.97          | N          | gnd     |
| 2.73203          | 23.85            | 46.00            | 22.15          | N          | gnd     |
| 4.13046          | 24.37            | 46.00            | 21.63          | N          | gnd     |
| 8.9              | 22.39            | 50.00            | 27.61          | N          | gnd     |
| 28.41171         | 22.90            | 50.00            | 27.10          | N          | gnd     |

## 802.11g, Channel No.: 6 L Line

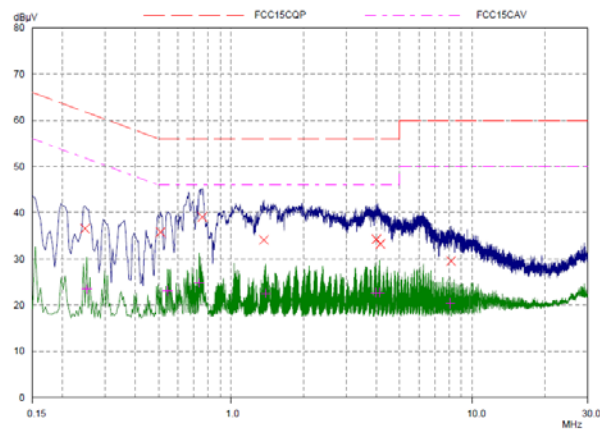


## Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.20468          | 41.88            | 63.42            | 21.54          | L1         | gnd     |
| 0.50937          | 38.20            | 56.00            | 17.80          | L1         | gnd     |
| 1.07578          | 39.32            | 56.00            | 16.68          | L1         | gnd     |
| 1.09921          | 38.10            | 56.00            | 17.90          | L1         | gnd     |
| 4.08359          | 35.20            | 56.00            | 20.80          | L1         | gnd     |
| 4.49765          | 36.21            | 56.00            | 19.79          | L1         | gnd     |
| 8.95078          | 28.33            | 60.00            | 31.67          | L1         | gnd     |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.20078          | 32.03            | 53.58            | 21.55          | L1         | gnd     |
| 0.29843          | 25.76            | 50.29            | 24.53          | L1         | gnd     |
| 0.68906          | 27.65            | 46.00            | 18.35          | L1         | gnd     |
| 1.98593          | 23.22            | 46.00            | 22.78          | L1         | gnd     |
| 4.06405          | 24.13            | 46.00            | 21.87          | L1         | gnd     |
| 4.19296          | 24.37            | 46.00            | 21.63          | L1         | gnd     |
| 8.83359          | 21.69            | 50.00            | 28.31          | L1         | gnd     |

### 802.11g, Channel No.: 6 N Line

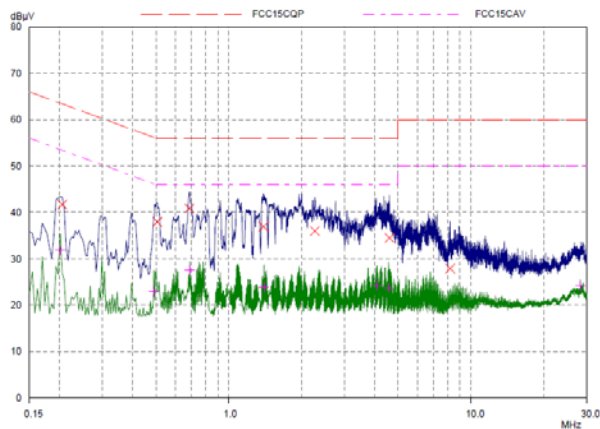


#### Final Measurement Results

| Frequency MHz | QP Level dBμV | QP Limit dBμV | QP Delta dB | Phase - | PE - |
|---------------|---------------|---------------|-------------|---------|------|
| 0.24765       | 36.56         | 61.84         | 25.28       | N       | gnd  |
| 0.50937       | 35.80         | 56.00         | 20.20       | N       | gnd  |
| 0.75937       | 39.09         | 56.00         | 16.91       | N       | gnd  |
| 1.36484       | 34.11         | 56.00         | 21.89       | N       | gnd  |
| 4.00155       | 34.28         | 56.00         | 21.72       | N       | gnd  |
| 4.1578        | 33.26         | 56.00         | 22.74       | N       | gnd  |
| 8.16953       | 29.55         | 60.00         | 30.45       | N       | gnd  |

| Frequency MHz | AV Level dBμV | AV Limit dBμV | AV Delta dB | Phase - | PE - |
|---------------|---------------|---------------|-------------|---------|------|
| 0.25156       | 23.42         | 51.71         | 28.29       | N       | gnd  |
| 0.54453       | 23.18         | 46.00         | 22.82       | N       | gnd  |
| 0.73593       | 24.78         | 46.00         | 21.22       | N       | gnd  |
| 1.38828       | 22.51         | 46.00         | 23.49       | N       | gnd  |
| 3.95859       | 22.71         | 46.00         | 23.29       | N       | gnd  |
| 4.11875       | 22.71         | 46.00         | 23.29       | N       | gnd  |
| 8.09531       | 20.43         | 50.00         | 29.57       | N       | gnd  |

### 802.11g, Channel No.: 11 L Line

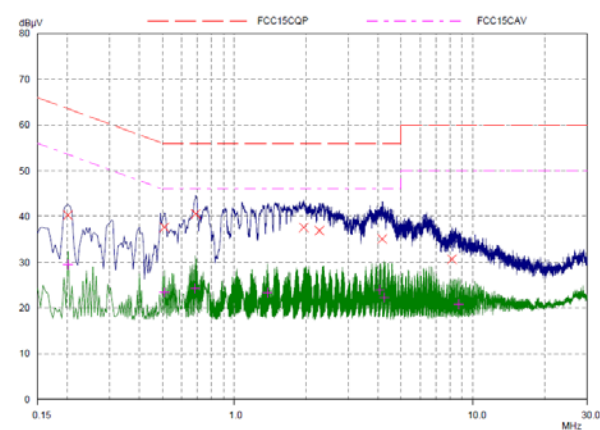


#### Final Measurement Results

| Frequency MHz | QP Level dBμV | QP Limit dBμV | QP Delta dB | Phase - | PE - |
|---------------|---------------|---------------|-------------|---------|------|
| 0.20468       | 41.72         | 63.42         | 21.70       | L1      | gnd  |
| 0.50546       | 37.96         | 56.00         | 18.04       | L1      | gnd  |
| 0.68515       | 40.85         | 56.00         | 15.15       | L1      | gnd  |
| 1.38828       | 36.93         | 56.00         | 19.07       | L1      | gnd  |
| 2.26328       | 35.98         | 56.00         | 20.02       | L1      | gnd  |
| 4.60312       | 34.49         | 56.00         | 21.51       | L1      | gnd  |
| 8.20078       | 27.91         | 60.00         | 32.09       | L1      | gnd  |

| Frequency MHz | AV Level dBμV | AV Limit dBμV | AV Delta dB | Phase - | PE - |
|---------------|---------------|---------------|-------------|---------|------|
| 0.20078       | 31.89         | 53.58         | 21.69       | L1      | gnd  |
| 0.48984       | 23.00         | 46.17         | 23.17       | L1      | gnd  |
| 0.68906       | 27.65         | 46.00         | 18.35       | L1      | gnd  |
| 1.39609       | 23.83         | 46.00         | 22.17       | L1      | gnd  |
| 4.0953        | 24.21         | 46.00         | 21.79       | L1      | gnd  |
| 4.56796       | 23.72         | 46.00         | 22.28       | L1      | gnd  |
| 28.26328      | 24.09         | 50.00         | 25.91       | L1      | gnd  |

### 802.11g, Channel No.: 11 N Line



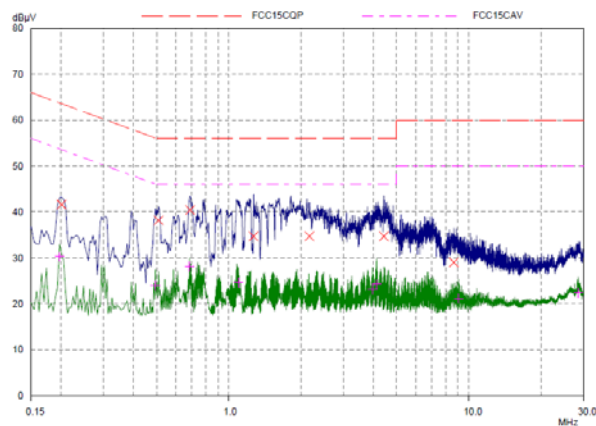
#### Final Measurement Results

| Frequency MHz | QP Level dBμV | QP Limit dBμV | QP Delta dB | Phase - | PE - |
|---------------|---------------|---------------|-------------|---------|------|
| 0.20078       | 40.32         | 63.58         | 23.26       | N       | gnd  |
| 0.50937       | 37.64         | 56.00         | 18.36       | N       | gnd  |
| 0.68906       | 40.57         | 56.00         | 15.43       | N       | gnd  |
| 1.95468       | 37.59         | 56.00         | 18.41       | N       | gnd  |
| 2.27109       | 36.90         | 56.00         | 19.10       | N       | gnd  |
| 4.16561       | 35.08         | 56.00         | 20.92       | N       | gnd  |
| 8.16953       | 30.65         | 60.00         | 29.35       | N       | gnd  |

| Frequency MHz | AV Level dBμV | AV Limit dBμV | AV Delta dB | Phase - | PE - |
|---------------|---------------|---------------|-------------|---------|------|
| 0.20078       | 29.46         | 53.58         | 24.12       | N       | gnd  |
| 0.50937       | 23.45         | 46.00         | 22.55       | N       | gnd  |
| 0.68515       | 24.32         | 46.00         | 21.68       | N       | gnd  |
| 1.37656       | 23.31         | 46.00         | 22.69       | N       | gnd  |
| 4.07578       | 23.96         | 46.00         | 22.04       | N       | gnd  |
| 4.24375       | 22.27         | 46.00         | 23.73       | N       | gnd  |
| 8.70078       | 20.77         | 50.00         | 29.23       | N       | gnd  |



## 802.11n(HT20), Channel No.: 1 L Line

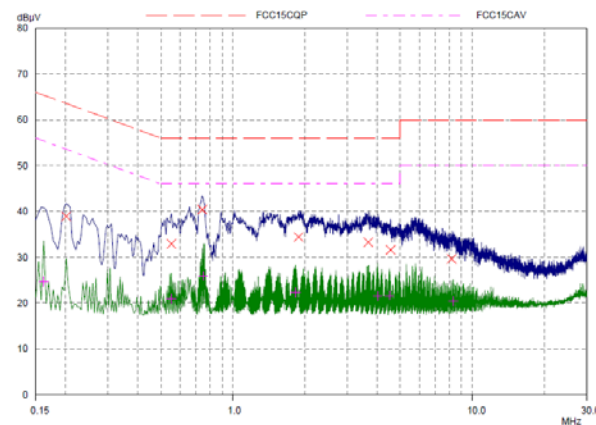


## Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.20078          | 41.64            | 63.58            | 21.94          | L1         | gnd     |
| 0.50937          | 38.20            | 56.00            | 17.80          | L1         | gnd     |
| 0.68906          | 40.45            | 56.00            | 15.55          | L1         | gnd     |
| 1.26718          | 34.70            | 56.00            | 21.30          | L1         | gnd     |
| 2.16562          | 34.72            | 56.00            | 21.28          | L1         | gnd     |
| 4.42343          | 34.71            | 56.00            | 21.29          | L1         | gnd     |
| 8.66171          | 29.02            | 60.00            | 30.98          | L1         | gnd     |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.19687          | 30.27            | 53.74            | 23.47          | L1         | gnd     |
| 0.49375          | 24.00            | 46.10            | 22.10          | L1         | gnd     |
| 0.68515          | 28.08            | 46.00            | 17.92          | L1         | gnd     |
| 1.09531          | 24.70            | 46.00            | 21.30          | L1         | gnd     |
| 3.97031          | 23.18            | 46.00            | 22.82          | L1         | gnd     |
| 4.13046          | 24.29            | 46.00            | 21.71          | L1         | gnd     |
| 9.06796          | 21.14            | 50.00            | 28.86          | L1         | gnd     |
| 28.57187         | 22.46            | 50.00            | 27.54          | L1         | gnd     |

## 802.11n(HT20), Channel No.: 1 N Line

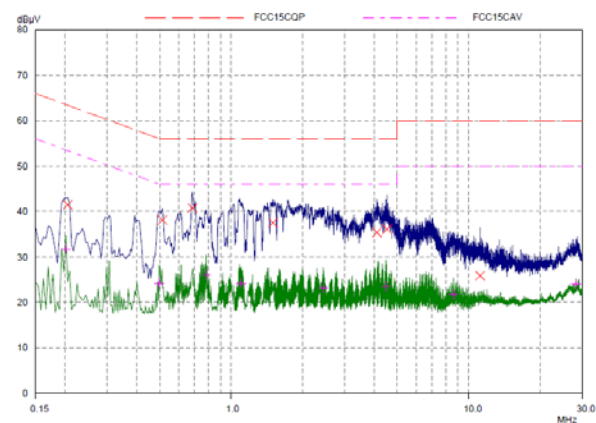


## Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.20078          | 38.92            | 63.58            | 24.66          | N          | gnd     |
| 0.55234          | 32.92            | 56.00            | 23.08          | N          | gnd     |
| 0.74375          | 40.39            | 56.00            | 15.61          | N          | gnd     |
| 1.88046          | 34.43            | 56.00            | 21.57          | N          | gnd     |
| 3.67343          | 33.27            | 56.00            | 22.73          | N          | gnd     |
| 4.55234          | 31.59            | 56.00            | 24.41          | N          | gnd     |
| 8.18515          | 29.63            | 60.00            | 30.37          | N          | gnd     |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.16171          | 24.67            | 55.38            | 30.71          | N          | gnd     |
| 0.55234          | 20.91            | 46.00            | 25.09          | N          | gnd     |
| 0.75156          | 25.92            | 46.00            | 20.08          | N          | gnd     |
| 1.82187          | 22.31            | 46.00            | 23.69          | N          | gnd     |
| 4.01717          | 21.57            | 46.00            | 24.43          | N          | gnd     |
| 4.49765          | 21.69            | 46.00            | 24.31          | N          | gnd     |
| 8.31406          | 20.38            | 50.00            | 29.62          | N          | gnd     |

## 802.11n(HT20), Channel No.: 6 L Line

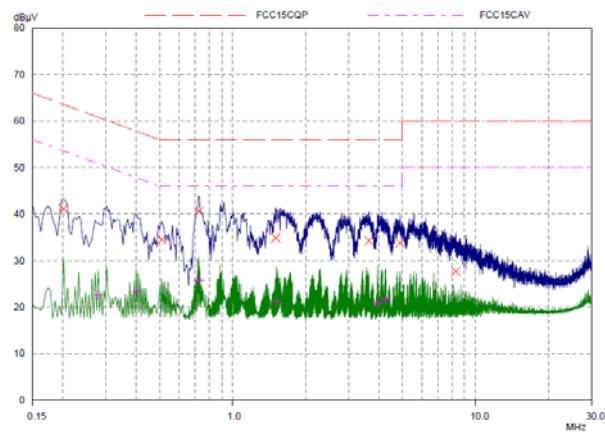


## Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.20468          | 41.48            | 63.42            | 21.94          | L1         | gnd     |
| 0.51327          | 38.14            | 56.00            | 17.86          | L1         | gnd     |
| 0.68515          | 40.79            | 56.00            | 15.21          | L1         | gnd     |
| 1.49765          | 37.53            | 56.00            | 18.47          | L1         | gnd     |
| 4.10311          | 35.40            | 56.00            | 20.60          | L1         | gnd     |
| 4.5289           | 36.13            | 56.00            | 19.87          | L1         | gnd     |
| 11.16562         | 25.91            | 60.00            | 34.09          | L1         | gnd     |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.20078          | 31.76            | 53.58            | 21.82          | L1         | gnd     |
| 0.49765          | 24.17            | 46.04            | 21.87          | L1         | gnd     |
| 0.78281          | 26.05            | 46.00            | 19.95          | L1         | gnd     |
| 1.09921          | 24.23            | 46.00            | 21.77          | L1         | gnd     |
| 2.43906          | 23.14            | 46.00            | 22.86          | L1         | gnd     |
| 4.47812          | 23.50            | 46.00            | 22.50          | L1         | gnd     |
| 8.62265          | 21.75            | 50.00            | 28.25          | L1         | gnd     |
| 28.26718         | 23.99            | 50.00            | 26.01          | L1         | gnd     |

### 802.11n(HT20), Channel No.: 6 N Line

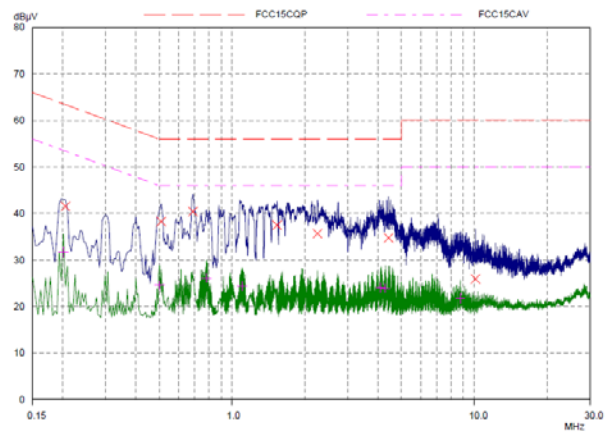


#### Final Measurement Results

| Frequency MHz | QP Level dBμV | QP Limit dBμV | QP Delta dB | Phase - | PE - |
|---------------|---------------|---------------|-------------|---------|------|
| 0.20078       | 41.18         | 63.58         | 22.40       | N       | gnd  |
| 0.50937       | 34.54         | 56.00         | 21.46       | N       | gnd  |
| 0.72421       | 40.53         | 56.00         | 15.47       | N       | gnd  |
| 1.50156       | 34.87         | 56.00         | 21.13       | N       | gnd  |
| 3.63437       | 34.27         | 56.00         | 21.73       | N       | gnd  |
| 4.88437       | 33.76         | 56.00         | 22.24       | N       | gnd  |
| 8.30625       | 27.69         | 60.00         | 32.31       | N       | gnd  |

| Frequency MHz | AV Level dBμV | AV Limit dBμV | AV Delta dB | Phase - | PE - |
|---------------|---------------|---------------|-------------|---------|------|
| 0.2789        | 22.57         | 50.85         | 28.28       | N       | gnd  |
| 0.4           | 23.25         | 47.85         | 24.60       | N       | gnd  |
| 0.72421       | 25.78         | 46.00         | 20.22       | N       | gnd  |
| 1.51328       | 21.30         | 46.00         | 24.70       | N       | gnd  |
| 3.94687       | 20.71         | 46.00         | 25.29       | N       | gnd  |
| 4.25156       | 21.75         | 46.00         | 24.25       | N       | gnd  |

### 802.11n(HT20), Channel No.: 11 L Line

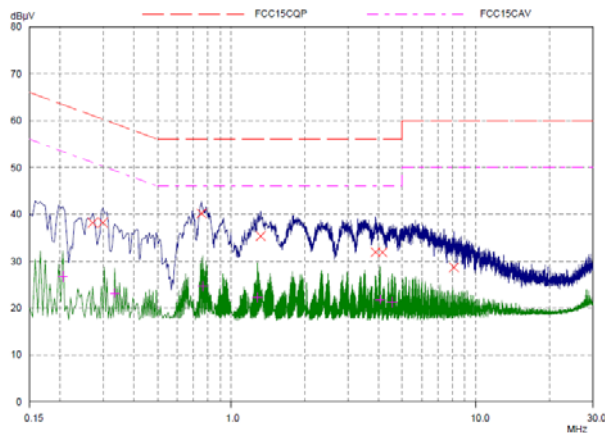


#### Final Measurement Results

| Frequency MHz | QP Level dBμV | QP Limit dBμV | QP Delta dB | Phase - | PE - |
|---------------|---------------|---------------|-------------|---------|------|
| 0.20468       | 41.50         | 63.42         | 21.92       | L1      | gnd  |
| 0.50937       | 38.28         | 56.00         | 17.72       | L1      | gnd  |
| 0.68906       | 40.43         | 56.00         | 15.57       | L1      | gnd  |
| 1.53281       | 37.49         | 56.00         | 18.51       | L1      | gnd  |
| 2.25156       | 35.68         | 56.00         | 20.32       | L1      | gnd  |
| 4.42343       | 34.75         | 56.00         | 21.25       | L1      | gnd  |
| 10.11875      | 25.96         | 60.00         | 34.04       | L1      | gnd  |

| Frequency MHz | AV Level dBμV | AV Limit dBμV | AV Delta dB | Phase - | PE - |
|---------------|---------------|---------------|-------------|---------|------|
| 0.20078       | 31.69         | 53.58         | 21.89       | L1      | gnd  |
| 0.50156       | 24.64         | 46.00         | 21.36       | L1      | gnd  |
| 0.78281       | 26.11         | 46.00         | 19.89       | L1      | gnd  |
| 1.09921       | 24.39         | 46.00         | 21.61       | L1      | gnd  |
| 4.10311       | 23.96         | 46.00         | 22.04       | L1      | gnd  |
| 4.29453       | 23.89         | 46.00         | 22.11       | L1      | gnd  |
| 8.75546       | 21.80         | 50.00         | 28.20       | L1      | gnd  |

### 802.11n(HT20), Channel No.: 11 N Line



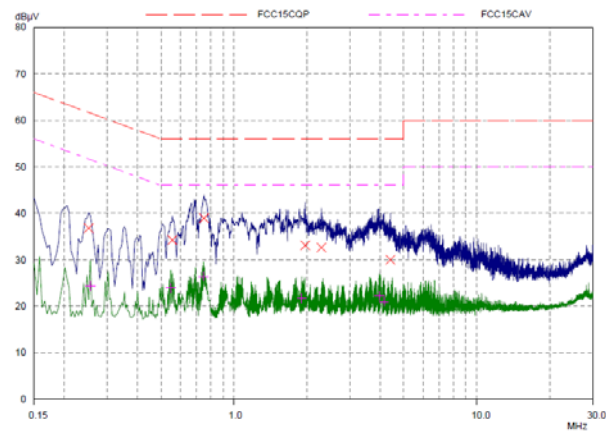
#### Final Measurement Results

| Frequency MHz | QP Level dBμV | QP Limit dBμV | QP Delta dB | Phase - | PE - |
|---------------|---------------|---------------|-------------|---------|------|
| 0.27109       | 38.19         | 61.08         | 22.89       | N       | gnd  |
| 0.29843       | 38.22         | 60.29         | 22.07       | N       | gnd  |
| 0.75546       | 40.21         | 56.00         | 15.79       | N       | gnd  |
| 1.31796       | 35.34         | 56.00         | 20.66       | N       | gnd  |
| 3.88437       | 31.96         | 56.00         | 24.04       | N       | gnd  |
| 4.15          | 31.92         | 56.00         | 24.08       | N       | gnd  |
| 8.13828       | 28.71         | 60.00         | 31.29       | N       | gnd  |

| Frequency MHz | AV Level dBμV | AV Limit dBμV | AV Delta dB | Phase - | PE - |
|---------------|---------------|---------------|-------------|---------|------|
| 0.20468       | 26.77         | 53.42         | 26.65       | N       | gnd  |
| 0.33359       | 23.21         | 49.36         | 26.15       | N       | gnd  |
| 0.76328       | 24.71         | 46.00         | 21.29       | N       | gnd  |
| 1.2789        | 22.30         | 46.00         | 23.70       | N       | gnd  |
| 4.05234       | 21.84         | 46.00         | 24.16       | N       | gnd  |
| 4.54843       | 21.25         | 46.00         | 24.75       | N       | gnd  |



## 802.11n(HT40), Channel No.: 3 L Line

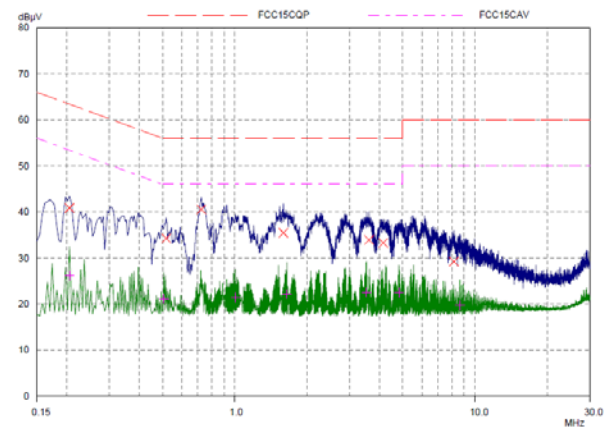


## Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.25156          | 36.80            | 61.71            | 24.91          | L1         | gnd     |
| 0.55625          | 34.24            | 56.00            | 21.76          | L1         | gnd     |
| 0.75156          | 38.95            | 56.00            | 17.05          | L1         | gnd     |
| 1.9625           | 33.13            | 56.00            | 22.87          | L1         | gnd     |
| 2.29062          | 32.64            | 56.00            | 23.36          | L1         | gnd     |
| 4.4039           | 30.01            | 56.00            | 25.99          | L1         | gnd     |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.25546          | 24.30            | 51.58            | 27.28          | L1         | gnd     |
| 0.54843          | 23.92            | 46.00            | 22.08          | L1         | gnd     |
| 0.74765          | 26.49            | 46.00            | 19.51          | L1         | gnd     |
| 1.9              | 21.79            | 46.00            | 24.21          | L1         | gnd     |
| 3.9664           | 22.21            | 46.00            | 23.79          | L1         | gnd     |
| 4.14217          | 21.01            | 46.00            | 24.99          | L1         | gnd     |

## 802.11n(HT40), Channel No.: 3 N Line

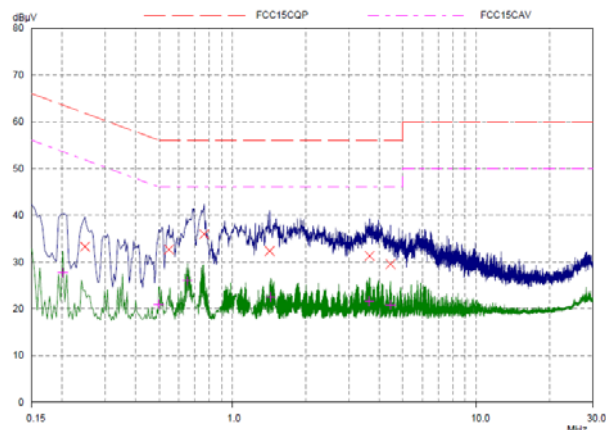


## Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.20468          | 40.88            | 63.42            | 22.54          | N          | gnd     |
| 0.51718          | 34.28            | 56.00            | 21.72          | N          | gnd     |
| 0.72421          | 40.55            | 56.00            | 15.45          | N          | gnd     |
| 1.5914           | 35.47            | 56.00            | 20.53          | N          | gnd     |
| 3.61484          | 33.93            | 56.00            | 22.07          | N          | gnd     |
| 4.14609          | 33.30            | 56.00            | 22.70          | N          | gnd     |
| 8.1617           | 29.21            | 60.00            | 30.79          | N          | gnd     |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.20468          | 26.14            | 53.42            | 27.28          | N          | gnd     |
| 0.50546          | 21.14            | 46.00            | 24.86          | N          | gnd     |
| 1.00546          | 21.46            | 46.00            | 24.54          | N          | gnd     |
| 1.64609          | 22.16            | 46.00            | 23.84          | N          | gnd     |
| 3.5289           | 22.55            | 46.00            | 23.45          | N          | gnd     |
| 4.81796          | 22.48            | 46.00            | 23.52          | N          | gnd     |
| 8.64218          | 19.73            | 50.00            | 30.27          | N          | gnd     |

## 802.11n(HT40), Channel No.: 6 L Line

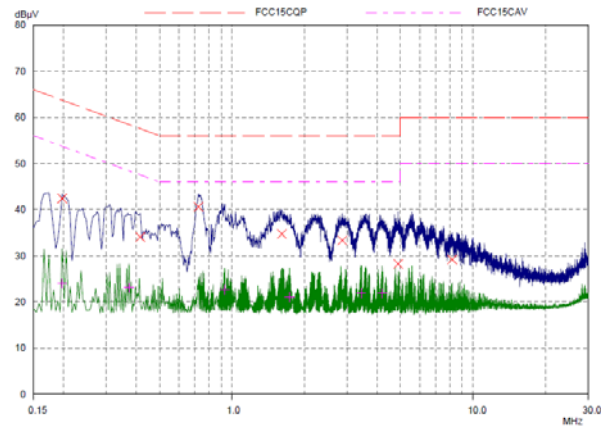


## Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.24765          | 33.28            | 61.84            | 28.56          | L1         | gnd     |
| 0.54843          | 32.64            | 56.00            | 23.36          | L1         | gnd     |
| 0.76328          | 35.93            | 56.00            | 20.07          | L1         | gnd     |
| 1.41953          | 32.33            | 56.00            | 23.67          | L1         | gnd     |
| 3.65             | 31.27            | 56.00            | 24.73          | L1         | gnd     |
| 4.44687          | 29.53            | 56.00            | 26.47          | L1         | gnd     |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.20078          | 27.69            | 53.58            | 25.89          | L1         | gnd     |
| 0.49765          | 20.97            | 46.04            | 25.07          | L1         | gnd     |
| 0.6539           | 25.98            | 46.00            | 20.02          | L1         | gnd     |
| 1.43515          | 22.51            | 46.00            | 23.49          | L1         | gnd     |
| 3.63828          | 21.62            | 46.00            | 24.38          | L1         | gnd     |
| 4.44687          | 20.84            | 46.00            | 25.16          | L1         | gnd     |

## 802.11n(HT40), Channel No.: 6 N Line

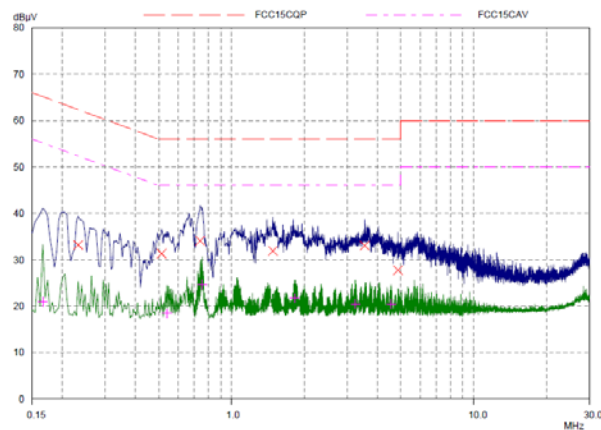


## Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.19687          | 42.42            | 63.74            | 21.32          | N          | gnd     |
| 0.41562          | 34.07            | 57.54            | 23.47          | N          | gnd     |
| 0.72421          | 40.59            | 56.00            | 15.41          | N          | gnd     |
| 1.60703          | 34.73            | 56.00            | 21.27          | N          | gnd     |
| 2.86484          | 33.33            | 56.00            | 22.67          | N          | gnd     |
| 4.88828          | 28.26            | 56.00            | 27.74          | N          | gnd     |
| 8.19295          | 29.21            | 60.00            | 30.79          | N          | gnd     |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.19687          | 24.08            | 53.74            | 29.66          | N          | gnd     |
| 0.37265          | 23.06            | 48.44            | 25.38          | N          | gnd     |
| 0.93125          | 22.61            | 46.00            | 23.39          | N          | gnd     |
| 1.72812          | 21.07            | 46.00            | 24.93          | N          | gnd     |
| 3.42734          | 21.99            | 46.00            | 24.01          | N          | gnd     |
| 4.19296          | 21.90            | 46.00            | 24.10          | N          | gnd     |

## 802.11n(HT40), Channel No.: 9 L Line

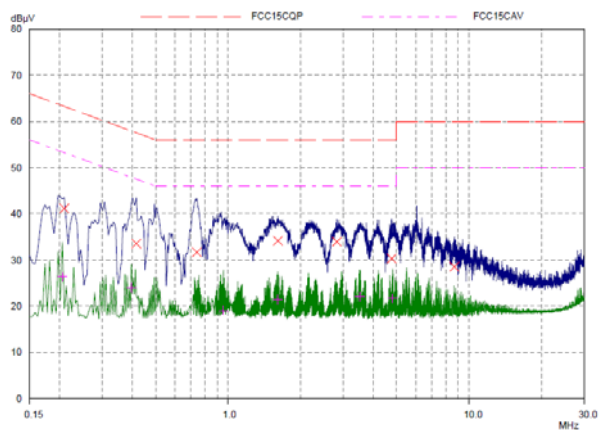


## Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.23203          | 33.22            | 62.38            | 29.16          | L1         | gnd     |
| 0.51327          | 31.32            | 56.00            | 24.68          | L1         | gnd     |
| 0.73984          | 34.11            | 56.00            | 21.89          | L1         | gnd     |
| 1.47812          | 31.91            | 56.00            | 24.09          | L1         | gnd     |
| 3.54453          | 33.05            | 56.00            | 22.95          | L1         | gnd     |
| 4.86093          | 27.76            | 56.00            | 28.24          | L1         | gnd     |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.16562          | 20.90            | 55.18            | 34.28          | L1         | gnd     |
| 0.54062          | 18.47            | 46.00            | 27.53          | L1         | gnd     |
| 0.75546          | 24.71            | 46.00            | 21.29          | L1         | gnd     |
| 1.81796          | 21.74            | 46.00            | 24.26          | L1         | gnd     |
| 3.24375          | 20.44            | 46.00            | 25.56          | L1         | gnd     |
| 4.55625          | 20.47            | 46.00            | 25.53          | L1         | gnd     |

## 802.11n(HT40), Channel No.: 9 N Line



## Final Measurement Results

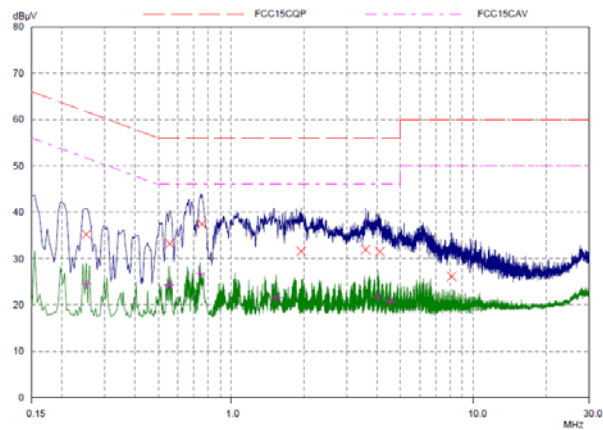
| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.20859          | 41.16            | 63.26            | 22.10          | N          | gnd     |
| 0.41562          | 33.57            | 57.54            | 23.97          | N          | gnd     |
| 0.73984          | 31.69            | 56.00            | 24.31          | N          | gnd     |
| 1.60703          | 34.17            | 56.00            | 21.83          | N          | gnd     |
| 2.82187          | 33.95            | 56.00            | 22.05          | N          | gnd     |
| 4.77109          | 30.30            | 56.00            | 25.70          | N          | gnd     |
| 8.68906          | 28.54            | 60.00            | 31.46          | N          | gnd     |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.20468          | 26.33            | 53.42            | 27.09          | N          | gnd     |
| 0.39609          | 24.02            | 47.93            | 23.91          | N          | gnd     |
| 0.95468          | 19.12            | 46.00            | 26.88          | N          | gnd     |
| 1.60703          | 21.47            | 46.00            | 24.53          | N          | gnd     |
| 3.52109          | 22.04            | 46.00            | 23.96          | N          | gnd     |
| 4.81015          | 21.70            | 46.00            | 24.30          | N          | gnd     |





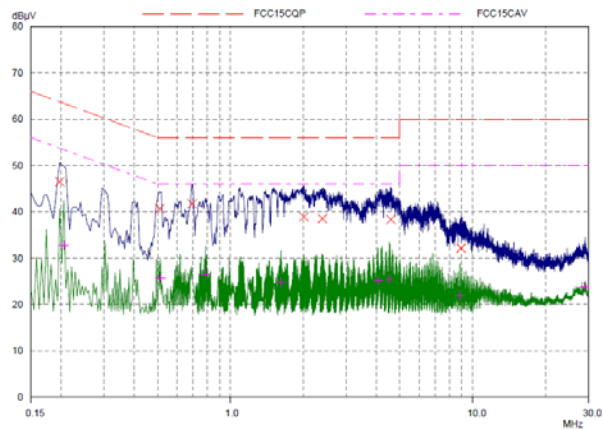
## BLE, Channel No.: 0 L Line



## Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.25156          | 35.22            | 61.71            | 26.49          | L1         | gnd     |
| 0.55625          | 33.22            | 56.00            | 22.78          | L1         | gnd     |
| 0.75546          | 37.49            | 56.00            | 18.51          | L1         | gnd     |
| 1.94296          | 31.61            | 56.00            | 24.39          | L1         | gnd     |
| 3.5875           | 31.95            | 56.00            | 24.05          | L1         | gnd     |
| 4.11484          | 31.52            | 56.00            | 24.48          | L1         | gnd     |
| 8.13828          | 26.15            | 60.00            | 33.85          | L1         | gnd     |
| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB | Phase<br>- | PE<br>- |
| 0.25156          | 24.47            | 51.71            | 27.24          | L1         | gnd     |
| 0.55234          | 24.33            | 46.00            | 21.67          | L1         | gnd     |
| 0.74375          | 26.68            | 46.00            | 19.32          | L1         | gnd     |
| 1.53281          | 21.52            | 46.00            | 24.48          | L1         | gnd     |
| 4.04061          | 21.74            | 46.00            | 24.26          | L1         | gnd     |
| 4.54453          | 20.72            | 46.00            | 25.28          | L1         | gnd     |

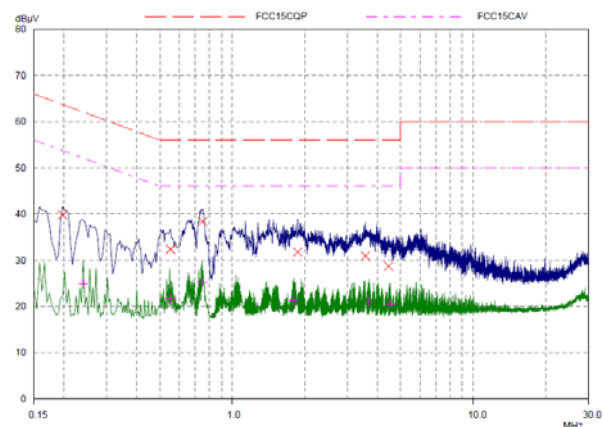
## BLE, Channel No.: 0 N Line



## Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.19687          | 46.52            | 63.74            | 17.22          | N          | gnd     |
| 0.50937          | 40.72            | 56.00            | 15.28          | N          | gnd     |
| 0.69296          | 41.71            | 56.00            | 14.29          | N          | gnd     |
| 2.00937          | 38.91            | 56.00            | 17.09          | N          | gnd     |
| 2.39609          | 38.52            | 56.00            | 17.48          | N          | gnd     |
| 4.5914           | 38.35            | 56.00            | 17.65          | N          | gnd     |
| 8.94687          | 32.15            | 60.00            | 27.85          | N          | gnd     |
| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB | Phase<br>- | PE<br>- |
| 0.20468          | 32.79            | 53.42            | 20.63          | N          | gnd     |
| 0.51327          | 25.66            | 46.00            | 20.34          | N          | gnd     |
| 0.78671          | 26.62            | 46.00            | 19.38          | N          | gnd     |
| 1.61484          | 24.86            | 46.00            | 21.14          | N          | gnd     |
| 4.06015          | 25.13            | 46.00            | 20.87          | N          | gnd     |
| 4.525            | 25.43            | 46.00            | 20.57          | N          | gnd     |
| 8.84531          | 21.91            | 50.00            | 28.09          | N          | gnd     |
| 29.12656         | 23.80            | 50.00            | 26.20          | N          | gnd     |

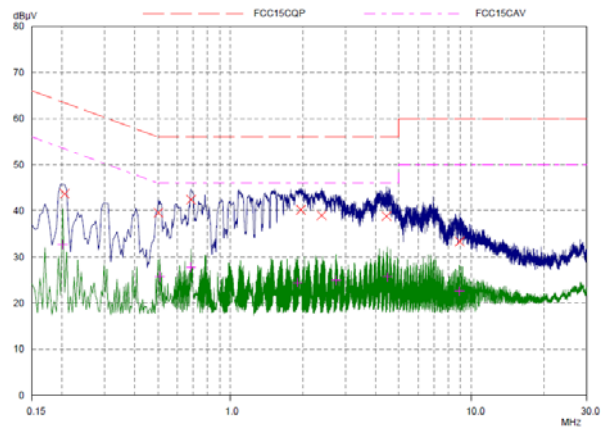
## BLE, Channel No.: 19 L Line



## Final Measurement Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.19687          | 39.80            | 63.74            | 23.94          | L1         | gnd     |
| 0.55234          | 32.38            | 56.00            | 23.62          | L1         | gnd     |
| 0.75156          | 38.37            | 56.00            | 17.63          | L1         | gnd     |
| 1.86484          | 31.77            | 56.00            | 24.23          | L1         | gnd     |
| 3.56406          | 30.93            | 56.00            | 25.07          | L1         | gnd     |
| 4.45078          | 28.71            | 56.00            | 27.29          | L1         | gnd     |
| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB | Phase<br>- | PE<br>- |
| 0.23984          | 24.93            | 52.10            | 27.17          | L1         | gnd     |
| 0.54843          | 21.75            | 46.00            | 24.25          | L1         | gnd     |
| 0.74765          | 25.15            | 46.00            | 20.85          | L1         | gnd     |
| 1.79843          | 21.30            | 46.00            | 24.70          | L1         | gnd     |
| 3.68906          | 21.11            | 46.00            | 24.89          | L1         | gnd     |
| 4.52109          | 20.47            | 46.00            | 25.53          | L1         | gnd     |

### BLE, Channel No.: 19 N Line

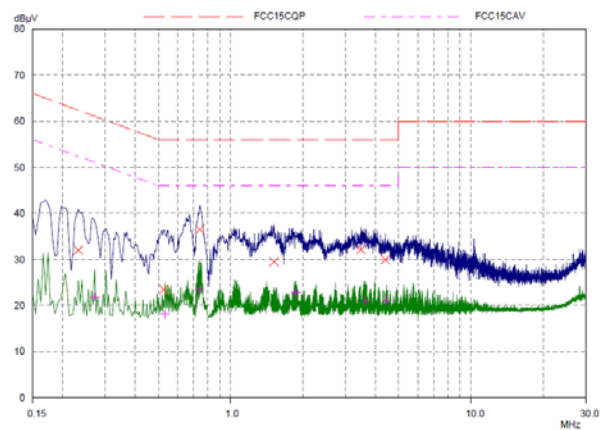


#### Final Measurement Results

| Frequency MHz | QP Level dBμV | QP Limit dBμV | QP Delta dB | Phase | PE  |
|---------------|---------------|---------------|-------------|-------|-----|
| 0.20468       | 43.66         | 63.42         | 19.76       | N     | gnd |
| 0.50156       | 39.56         | 56.00         | 16.44       | N     | gnd |
| 0.68515       | 42.41         | 56.00         | 13.59       | N     | gnd |
| 1.95859       | 40.21         | 56.00         | 15.79       | N     | gnd |
| 2.38828       | 39.00         | 56.00         | 17.00       | N     | gnd |
| 4.43906       | 38.83         | 56.00         | 17.17       | N     | gnd |
| 8.93515       | 33.29         | 60.00         | 26.71       | N     | gnd |

| Frequency MHz | AV Level dBμV | AV Limit dBμV | AV Delta dB | Phase | PE  |
|---------------|---------------|---------------|-------------|-------|-----|
| 0.20078       | 32.66         | 53.58         | 20.92       | N     | gnd |
| 0.50937       | 25.72         | 46.00         | 20.28       | N     | gnd |
| 0.68515       | 27.76         | 46.00         | 18.24       | N     | gnd |
| 1.9           | 24.40         | 46.00         | 21.60       | N     | gnd |
| 2.74375       | 24.95         | 46.00         | 21.05       | N     | gnd |
| 4.47031       | 25.64         | 46.00         | 20.36       | N     | gnd |
| 8.91171       | 22.59         | 50.00         | 27.41       | N     | gnd |

### BLE, Channel No.: 39 L Line

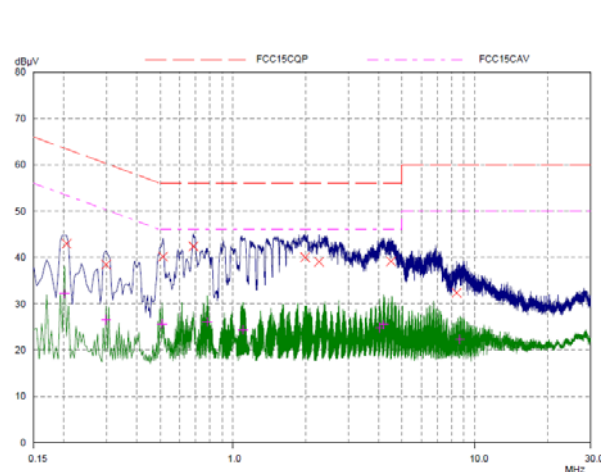


#### Final Measurement Results

| Frequency MHz | QP Level dBμV | QP Limit dBμV | QP Delta dB | Phase | PE  |
|---------------|---------------|---------------|-------------|-------|-----|
| 0.23203       | 32.02         | 62.38         | 30.36       | L1    | gnd |
| 0.525         | 23.46         | 56.00         | 32.54       | L1    | gnd |
| 0.74375       | 36.51         | 56.00         | 19.49       | L1    | gnd |
| 1.51328       | 29.51         | 56.00         | 26.49       | L1    | gnd |
| 3.48203       | 32.13         | 56.00         | 23.87       | L1    | gnd |
| 4.39609       | 29.95         | 56.00         | 26.05       | L1    | gnd |

| Frequency MHz | AV Level dBμV | AV Limit dBμV | AV Delta dB | Phase | PE  |
|---------------|---------------|---------------|-------------|-------|-----|
| 0.27109       | 21.85         | 51.08         | 29.23       | L1    | gnd |
| 0.53281       | 18.15         | 46.00         | 27.85       | L1    | gnd |
| 0.73984       | 23.40         | 46.00         | 22.60       | L1    | gnd |
| 1.86484       | 22.75         | 46.00         | 23.25       | L1    | gnd |
| 3.63437       | 21.00         | 46.00         | 25.00       | L1    | gnd |
| 4.45859       | 21.07         | 46.00         | 24.93       | L1    | gnd |

### BLE, Channel No.: 39 N Line



#### Final Measurement Results

| Frequency MHz | QP Level dBμV | QP Limit dBμV | QP Delta dB | Phase | PE  |
|---------------|---------------|---------------|-------------|-------|-----|
| 0.20468       | 42.96         | 63.42         | 20.46       | N     | gnd |
| 0.29843       | 38.44         | 60.29         | 21.85       | N     | gnd |
| 0.51327       | 40.16         | 56.00         | 15.84       | N     | gnd |
| 0.68515       | 42.39         | 56.00         | 13.61       | N     | gnd |
| 1.98593       | 40.03         | 56.00         | 15.97       | N     | gnd |
| 2.26718       | 39.06         | 56.00         | 16.94       | N     | gnd |
| 4.50156       | 39.15         | 56.00         | 16.85       | N     | gnd |
| 8.4           | 32.37         | 60.00         | 27.63       | N     | gnd |

| Frequency MHz | AV Level dBμV | AV Limit dBμV | AV Delta dB | Phase | PE  |
|---------------|---------------|---------------|-------------|-------|-----|
| 0.20078       | 32.16         | 53.58         | 21.42       | N     | gnd |
| 0.29843       | 26.54         | 50.29         | 23.75       | N     | gnd |
| 0.50937       | 25.59         | 46.00         | 20.41       | N     | gnd |
| 0.78281       | 26.11         | 46.00         | 19.89       | N     | gnd |
| 1.09921       | 24.39         | 46.00         | 21.61       | N     | gnd |
| 4.04061       | 24.83         | 46.00         | 21.17       | N     | gnd |
| 4.19296       | 25.49         | 46.00         | 20.51       | N     | gnd |
| 8.67343       | 22.33         | 50.00         | 27.67       | N     | gnd |

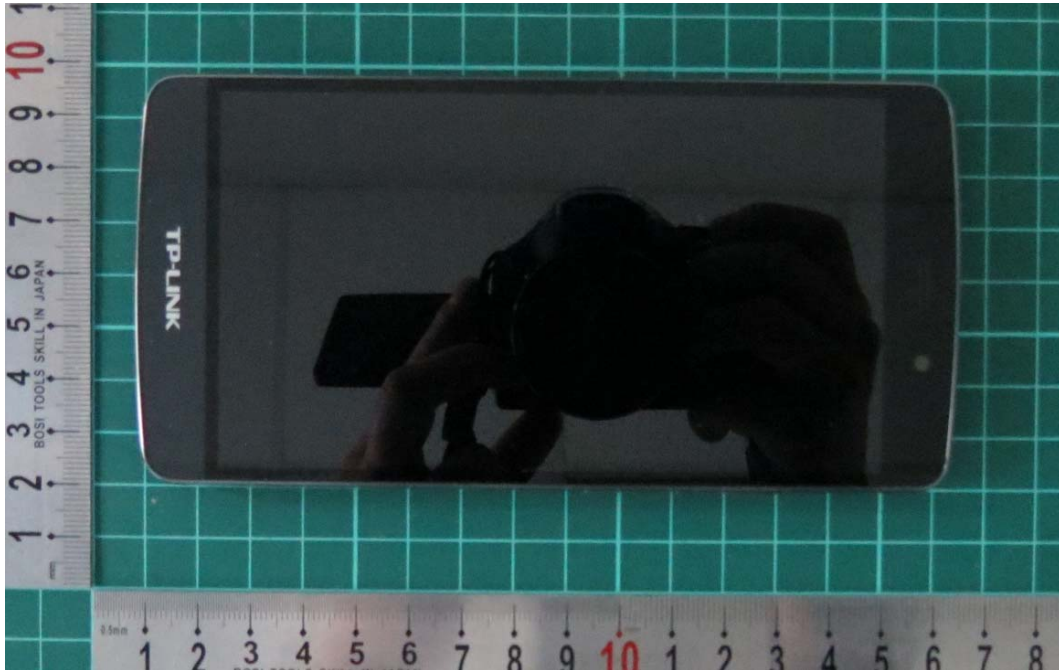
## 6. Main Test Instruments

| Name                                 | Type      | Manufacturer | Serial Number | Calibration Date | Expiration Time |
|--------------------------------------|-----------|--------------|---------------|------------------|-----------------|
| EMI Test Receiver                    | ESCI      | R&S          | 100948        | 2015-05-22       | 2016-05-21      |
| Loop Antenna                         | FMZB1519  | SCHWARZBECK  | 1519-047      | 2014-02-29       | 2017-02-28      |
| TRILOG Broadband Antenna             | VULB 9163 | Schwarzbeck  | 9163-201      | 2014-12-06       | 2017-12-05      |
| Double Ridged Waveguide Horn Antenna | HF907     | R&S          | 100126        | 2014-12-06       | 2017-12-05      |
| Standard Gain Horn                   | 3160-09   | ETS-Lindgren | 00102644      | 2015-01-30       | 2018-01-29      |
| EMI Test Receiver                    | ESCS30    | R&S          | 100138        | 2015-12-17       | 2016-12-16      |
| LISN                                 | ENV216    | R&S          | 101171        | 2015-12-18       | 2016-12-17      |
| Spectrum Analyzer                    | E4445A    | Agilent      | MY46181146    | 2015-05-22       | 2016-05-21      |
| Spectrum Analyzer                    | N9010A    | Agilent      | MY47191109    | 2015-05-22       | 2016-05-21      |
| MOB COMMS DC SUPPLY                  | 66319D    | Agilent      | MY43004105    | 2015-05-22       | 2016-05-21      |
| Peak Power Meter                     | 8990B     | Agilent      | 51000109      | 2015-04-26       | 2016-04-25      |
| Wideband Power Sensors               | N1923A    | Agilent      | MY51220004    | 2015-04-26       | 2016-04-25      |
| Spectrum Analyzer                    | FSV30     | R&S          | 100815        | 2015-12-17       | 2016-12-16      |
| RF Cable                             | SMA 15cm  | Agilent      | 0001          | 2016-02-08       | 2016-04-07      |

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

## ANNEX A: EUT Appearance and Test Setup

### A.1 EUT Appearance



Front Side



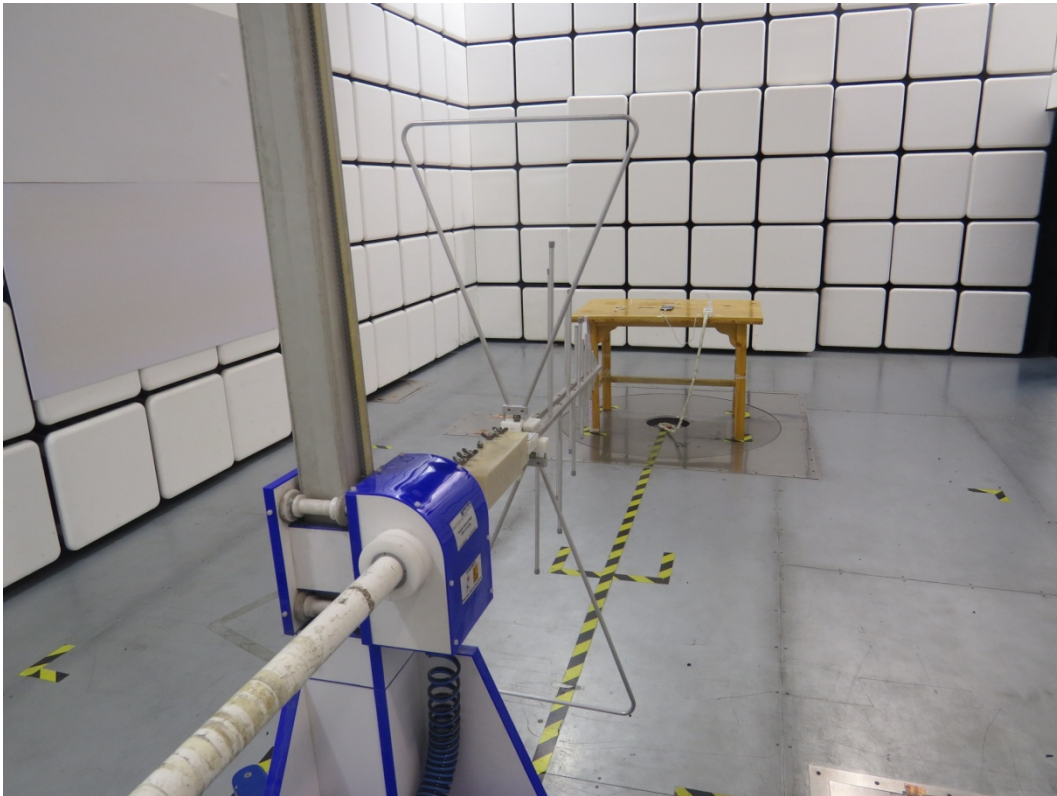
Back Side

a: EUT

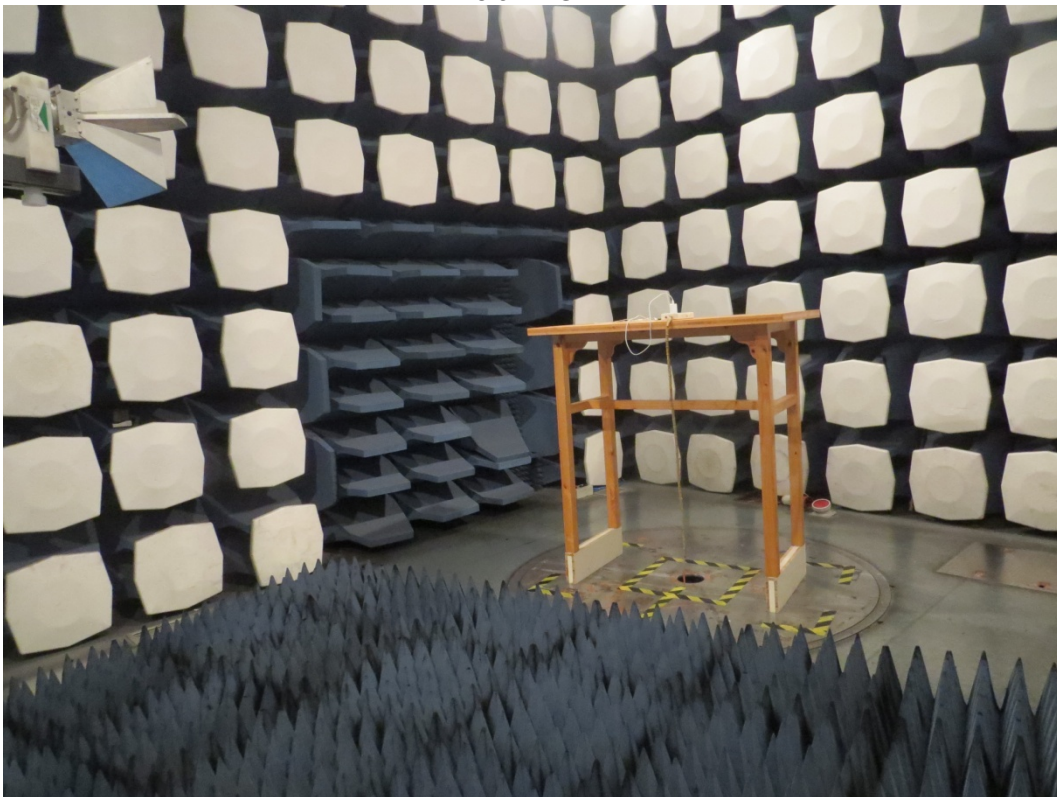
Picture 1 EUT



## A.2 Test Setup



Below 1GHz



Above 1GHz

**Picture 2 Radiated Emission Test Setup**



**Picture 3 Conducted Emission Test Setup**