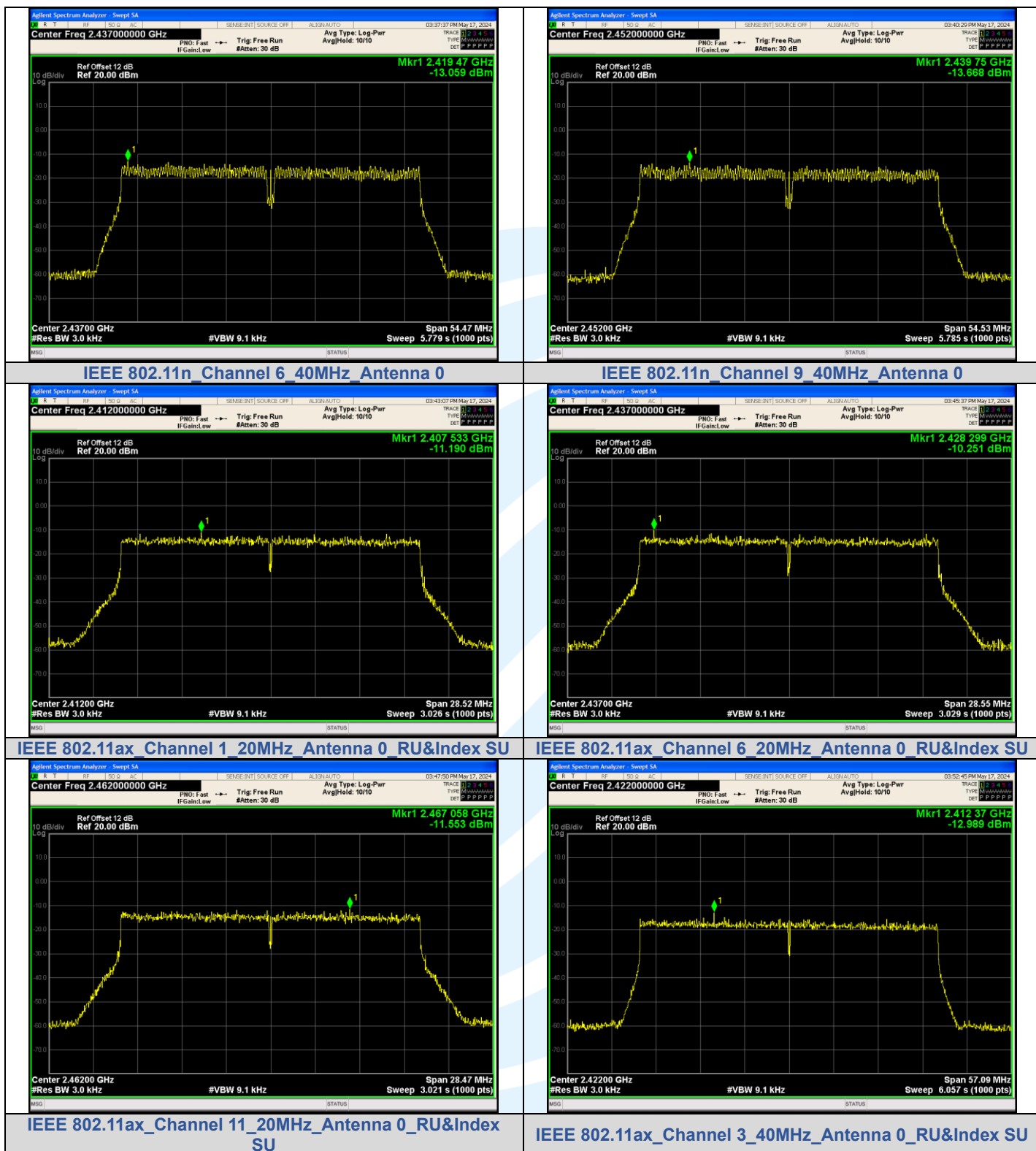
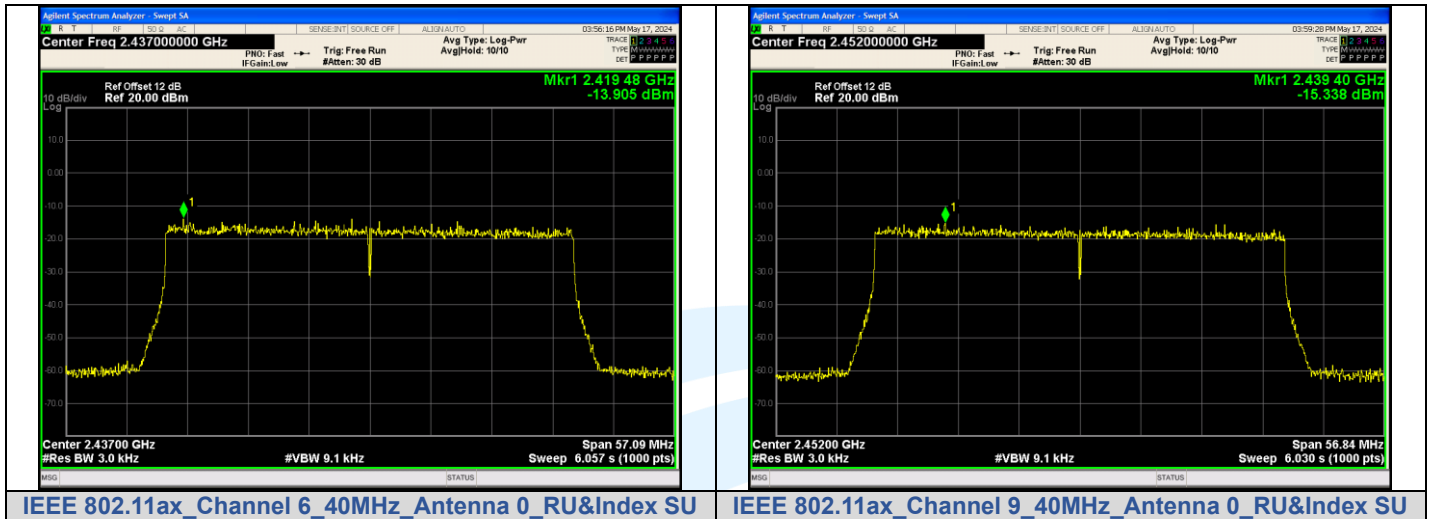




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Fax: +86-755-28230886

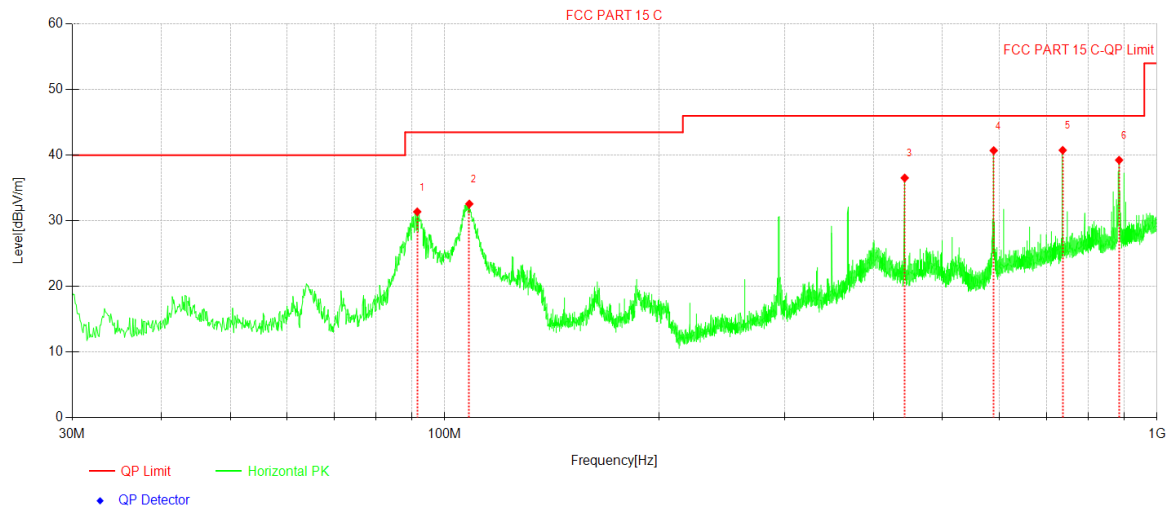
E-mail: [info@uttlab.com](mailto:info@uttlab.com)<http://www.uttlab.com>

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## A.5 RADIATED SPURIOUS EMISSIONS

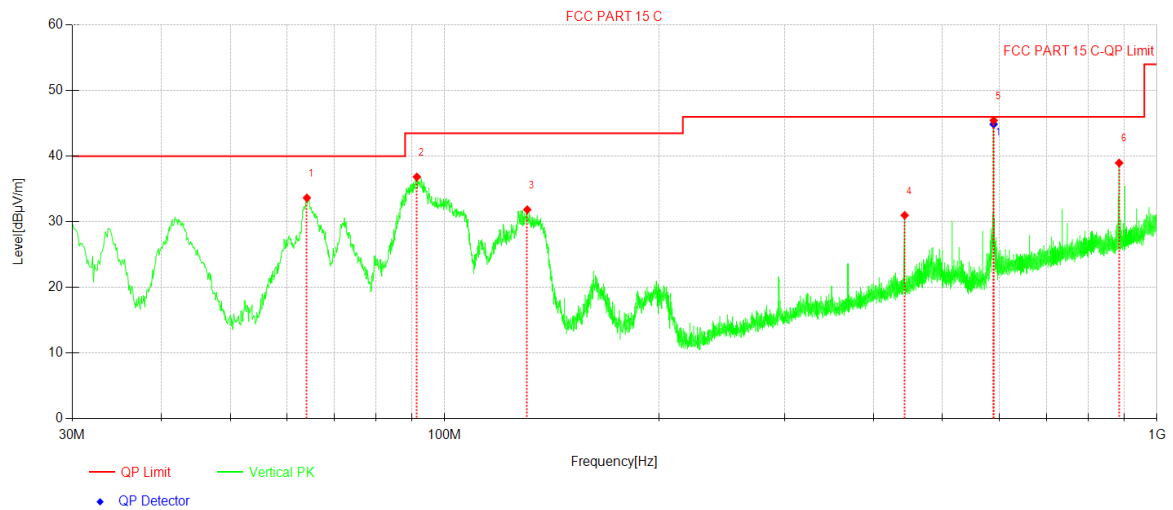
### Radiated Emission Test Data (30 MHz ~ 1 GHz): Worst-Case Configuration(IEEE 802.11ax-HE20\_Channel 11)

#### Horizontal



| No. | Frequency (MHz) | Reading (dBuV) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|------------------------|-----------------|----------------|-------------|----------|
| 1   | 91.50415        | 45.12          | -13.75                 | 31.37           | 43.50          | 12.13       | PK       |
| 2   | 108.286829      | 44.00          | -11.43                 | 32.57           | 43.50          | 10.93       | PK       |
| 3   | 442.388239      | 39.52          | -2.99                  | 36.53           | 46.00          | 9.47        | PK       |
| 4   | 589.842984      | 41.10          | -0.39                  | 40.71           | 46.00          | 5.29        | PK       |
| 5   | 737.29773       | 37.71          | 3.05                   | 40.76           | 46.00          | 5.24        | PK       |
| 6   | 884.752475      | 34.58          | 4.67                   | 39.25           | 46.00          | 6.75        | PK       |

# Vertical



| No. | Frequency (MHz) | Reading (dBUV) | Correction factor (dB) | Result (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|------------------------|-----------------|----------------|-------------|----------|
| 1   | 64.0504         | 42.87          | -9.23                  | 33.64           | 40.00          | 6.36        | PK       |
| 2   | 91.4071         | 50.60          | -13.76                 | 36.84           | 43.50          | 6.66        | PK       |
| 3   | 130.5991        | 41.22          | -9.37                  | 31.85           | 43.50          | 11.65       | PK       |
| 4   | 442.3882        | 33.98          | -2.99                  | 30.99           | 46.00          | 15.01       | PK       |
| 5   | 589.842984      | 45.85          | -0.39                  | 44.86           | 46.00          | 1.14        | PK       |
| 6   | 884.7525        | 34.30          | 4.67                   | 38.97           | 46.00          | 7.03        | PK       |

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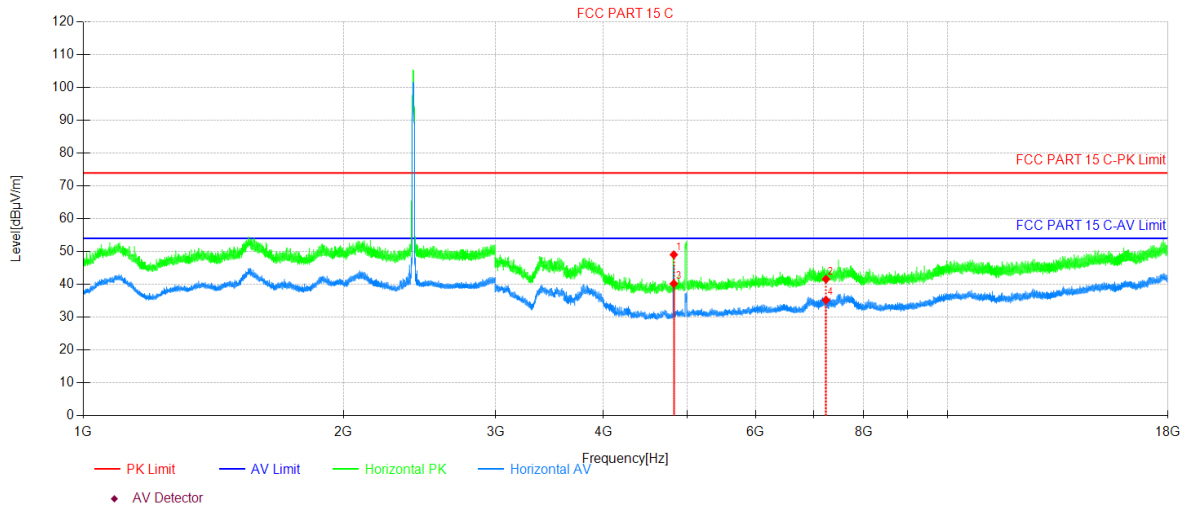
Fax: +86-755-28230886

E-mail: info@uttlab.com

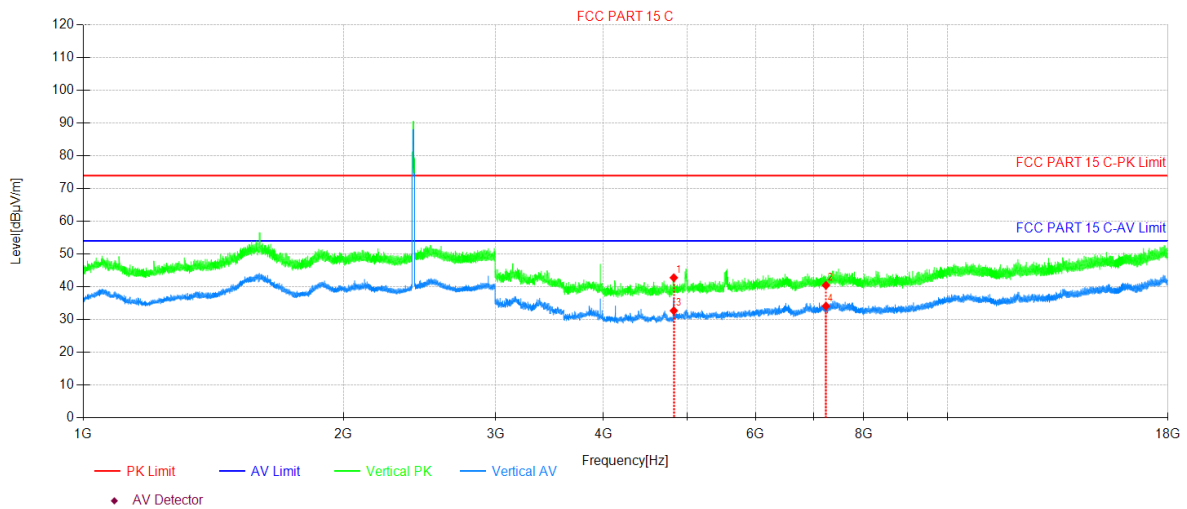
<http://www.uttlab.com>

UTTR-RF-RSS247-V1.1

**Radiated Emission Test Data (Above 1GHz):**  
**IEEE 802.11b\_ Lowest Channel:**  
**Test Graph**

**Data List**

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity   | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|------------|---------|
| 1   | 4824.0912   | 53.68          | -4.63                 | 49.05          | 74.00          | 24.95       | 150         | 11        | PK       | Horizontal | PASS    |
| 2   | 7236.2118   | 43.30          | -1.70                 | 41.60          | 74.00          | 32.40       | 150         | 1         | PK       | Horizontal | PASS    |
| 3   | 4824.0912   | 44.84          | -4.63                 | 40.21          | 54.00          | 13.79       | 150         | 11        | AV       | Horizontal | PASS    |
| 4   | 7236.2118   | 36.91          | -1.70                 | 35.21          | 54.00          | 18.79       | 150         | 177       | AV       | Horizontal | PASS    |

**Test Graph****Data List**

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|----------|---------|
| 1   | 4824.0912   | 47.41          | -4.63                 | 42.78          | 74.00          | 31.22       | 150         | 165       | PK       | Vertical | PASS    |
| 2   | 7236.2118   | 42.15          | -1.70                 | 40.45          | 74.00          | 33.55       | 150         | 176       | PK       | Vertical | PASS    |
| 3   | 4824.0912   | 37.31          | -4.63                 | 32.68          | 54.00          | 21.32       | 150         | 176       | AV       | Vertical | PASS    |
| 4   | 7236.2118   | 35.78          | -1.70                 | 34.08          | 54.00          | 19.92       | 150         | 152       | AV       | Vertical | PASS    |

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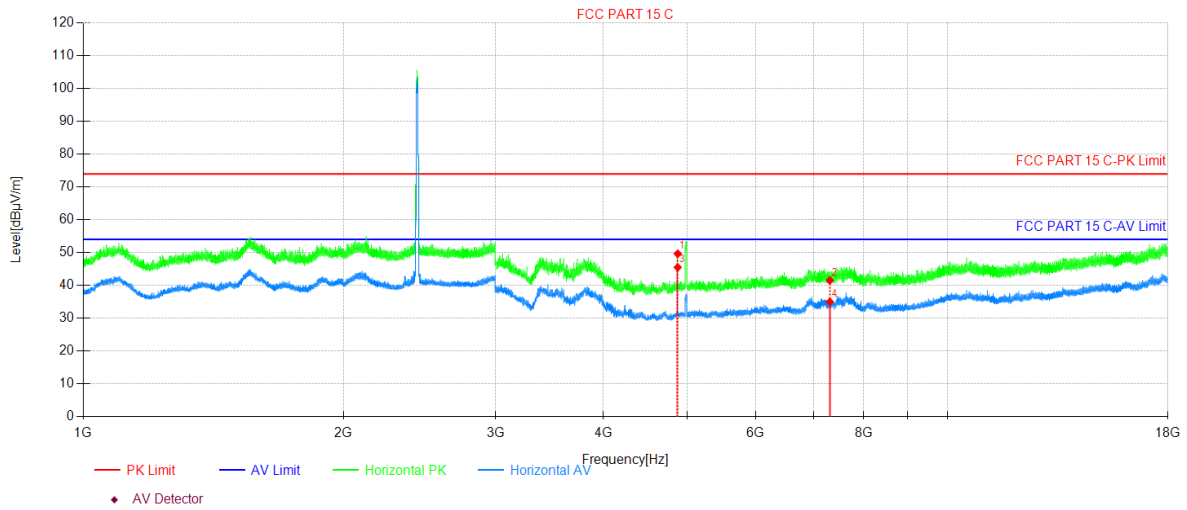
Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

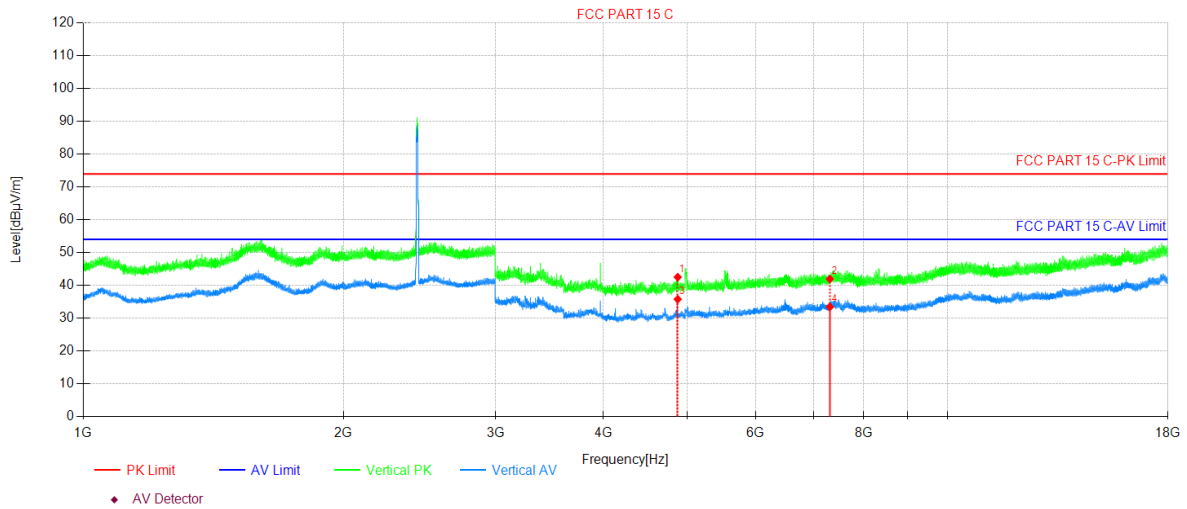
UTTR-RF-RSS247-V1.1

IEEE 802.11b \_ Middle Channel:  
Test Graph

## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity   | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|------------|---------|
| 1   | 4874.3437   | 54.33          | -4.70                 | 49.63          | 74.00          | 24.37       | 150         | 15        | PK       | Horizontal | PASS    |
| 2   | 7311.2156   | 43.04          | -1.53                 | 41.51          | 74.00          | 32.49       | 150         | 177       | PK       | Horizontal | PASS    |
| 3   | 4874.3437   | 50.18          | -4.70                 | 45.48          | 54.00          | 8.52        | 150         | 15        | AV       | Horizontal | PASS    |
| 4   | 7311.2156   | 36.50          | -1.53                 | 34.97          | 54.00          | 19.03       | 150         | 177       | AV       | Horizontal | PASS    |

## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|----------|---------|
| 1   | 4874.3437   | 47.20          | -4.70                 | 42.50          | 74.00          | 31.50       | 150         | 177       | PK       | Vertical | PASS    |
| 2   | 7311.2156   | 43.48          | -1.53                 | 41.95          | 74.00          | 32.05       | 150         | 2         | PK       | Vertical | PASS    |
| 3   | 4874.3437   | 40.47          | -4.70                 | 35.77          | 54.00          | 18.23       | 150         | 177       | AV       | Vertical | PASS    |
| 4   | 7311.2156   | 34.96          | -1.53                 | 33.43          | 54.00          | 20.57       | 150         | 139       | AV       | Vertical | PASS    |

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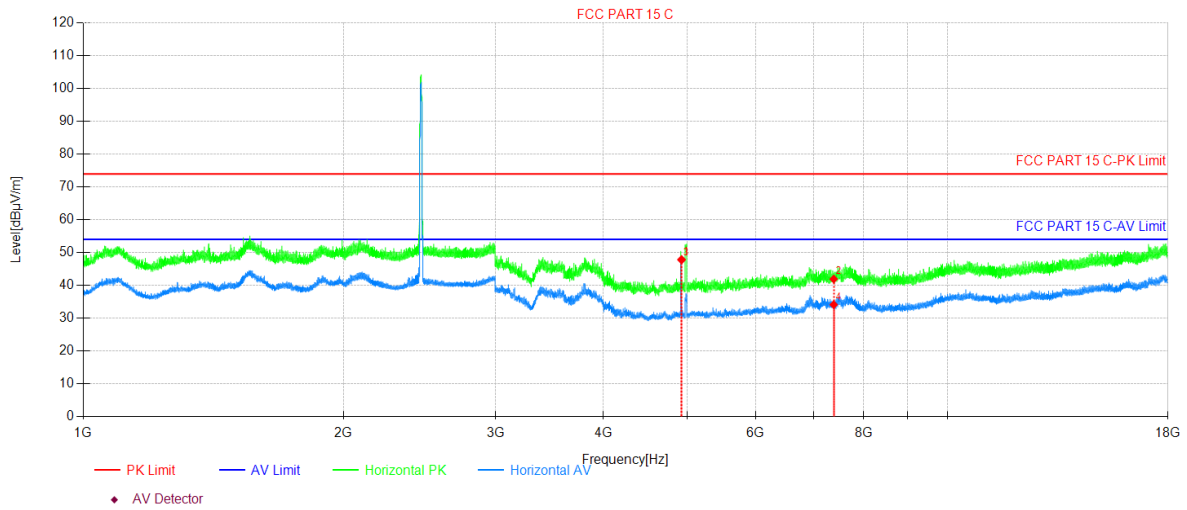
Tel: +86-755-28230888

Fax: +86-755-28230886

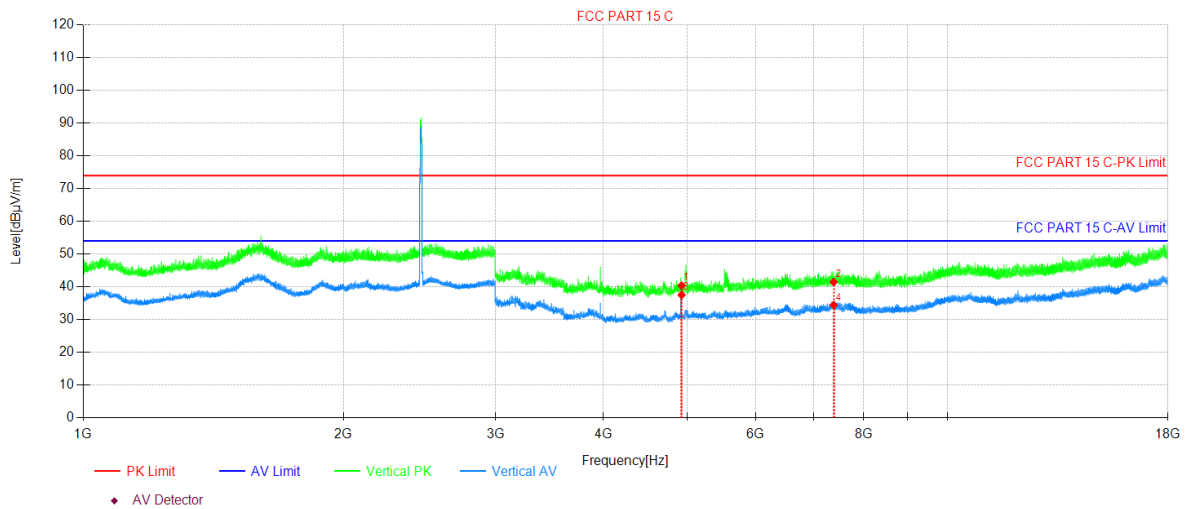
E-mail: info@uttlab.com

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**IEEE 802.11b \_ Highest Channel:  
Test Graph****Data List**

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity   | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|------------|---------|
| 1   | 4924.5962   | 52.68          | -4.79                 | 47.89          | 74.00          | 26.11       | 150         | 13        | PK       | Horizontal | PASS    |
| 2   | 7386.2193   | 43.24          | -1.32                 | 41.92          | 74.00          | 32.08       | 150         | 69        | PK       | Horizontal | PASS    |
| 3   | 4924.5962   | 52.54          | -4.79                 | 47.75          | 54.00          | 6.25        | 150         | 13        | AV       | Horizontal | PASS    |
| 4   | 7386.2193   | 35.41          | -1.32                 | 34.09          | 54.00          | 19.91       | 150         | 110       | AV       | Horizontal | PASS    |

**Test Graph****Data List**

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|----------|---------|
| 1   | 4924.5962   | 45.17          | -4.79                 | 40.38          | 74.00          | 33.62       | 150         | 163       | PK       | Vertical | PASS    |
| 2   | 7386.2193   | 42.78          | -1.32                 | 41.46          | 74.00          | 32.54       | 150         | 163       | PK       | Vertical | PASS    |
| 3   | 4924.5962   | 42.30          | -4.79                 | 37.51          | 54.00          | 16.49       | 150         | 177       | AV       | Vertical | PASS    |
| 4   | 7386.2193   | 35.73          | -1.32                 | 34.41          | 54.00          | 19.59       | 150         | 136       | AV       | Vertical | PASS    |

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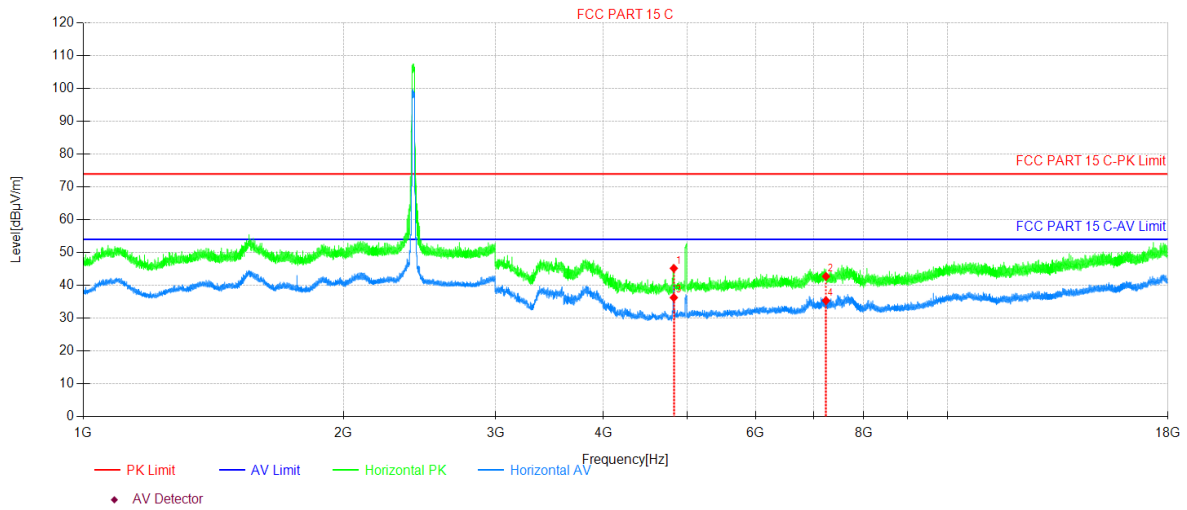
E-mail: info@uttlab.com

<http://www.uttlab.com>

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## IEEE 802.11g \_ Lowest Channel:

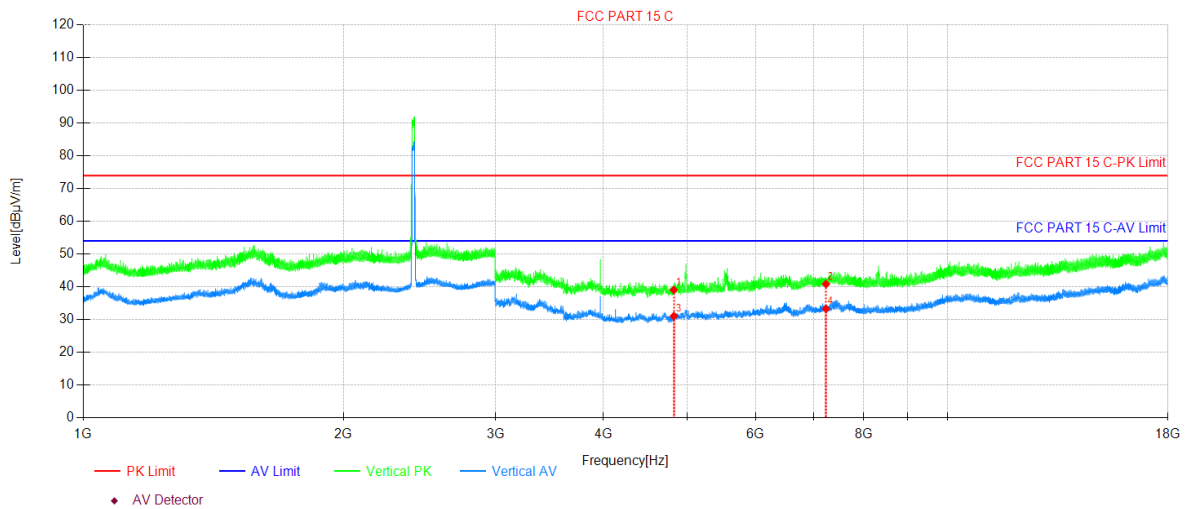
## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity   | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|------------|---------|
| 1   | 4824.0912   | 49.82          | -4.63                 | 45.19          | 74.00          | 28.81       | 150         | 15        | PK       | Horizontal | PASS    |
| 2   | 7236.2118   | 44.44          | -1.70                 | 42.74          | 74.00          | 31.26       | 150         | 166       | PK       | Horizontal | PASS    |
| 3   | 4824.0912   | 40.89          | -4.63                 | 36.26          | 54.00          | 17.74       | 150         | 15        | AV       | Horizontal | PASS    |
| 4   | 7236.2118   | 37.04          | -1.70                 | 35.34          | 54.00          | 18.66       | 150         | 177       | AV       | Horizontal | PASS    |

## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|----------|---------|
| 1   | 4824.0912   | 43.67          | -4.63                 | 39.04          | 74.00          | 34.96       | 150         | 90        | PK       | Vertical | PASS    |
| 2   | 7236.2118   | 42.54          | -1.70                 | 40.84          | 74.00          | 33.16       | 150         | 23        | PK       | Vertical | PASS    |
| 3   | 4824.0912   | 35.66          | -4.63                 | 31.03          | 54.00          | 22.97       | 150         | 90        | AV       | Vertical | PASS    |
| 4   | 7236.2118   | 34.97          | -1.70                 | 33.27          | 54.00          | 20.73       | 150         | 137       | AV       | Vertical | PASS    |

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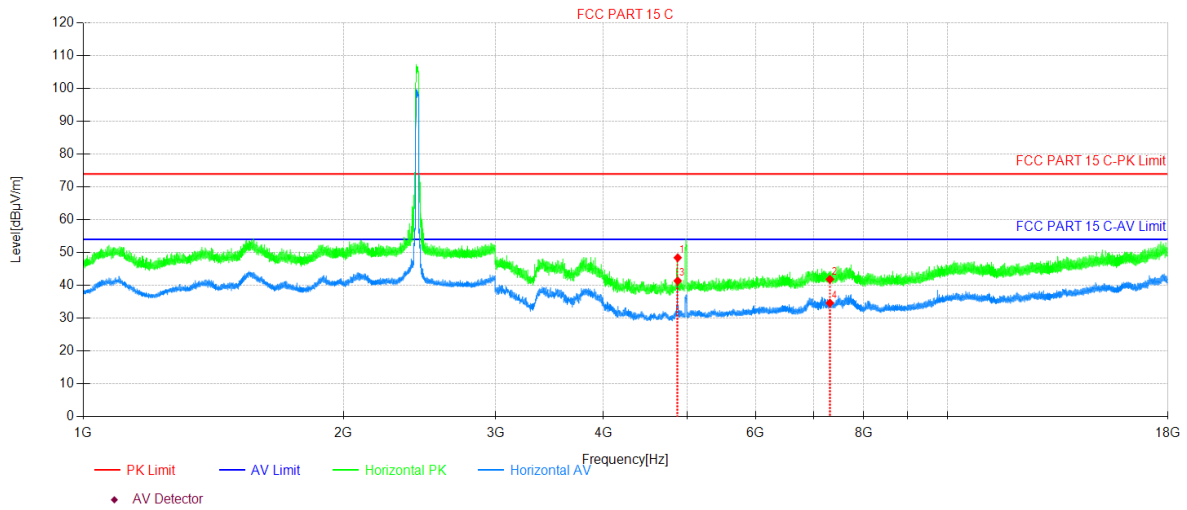
Tel: +86-755-28230888

Fax: +86-755-28230886

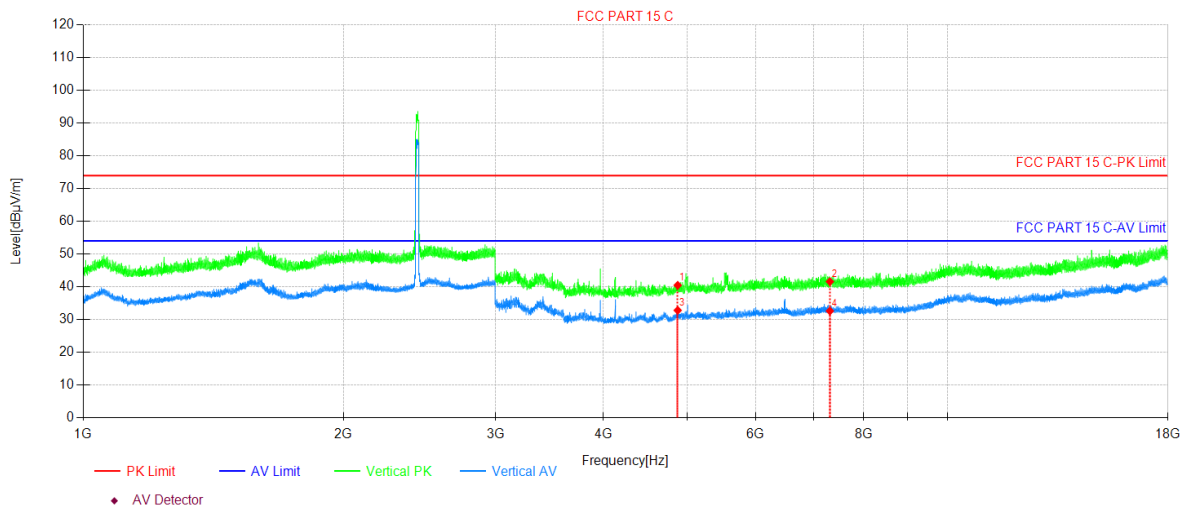
E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-RSS247-V1.1

**IEEE 802.11g \_ Middle Channel:  
Test Graph****Data List**

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity   | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|------------|---------|
| 1   | 4874.3437   | 53.14          | -4.70                 | 48.44          | 74.00          | 25.56       | 150         | 5         | PK       | Horizontal | PASS    |
| 2   | 7311.2156   | 43.37          | -1.53                 | 41.84          | 74.00          | 32.16       | 150         | 153       | PK       | Horizontal | PASS    |
| 3   | 4874.3437   | 46.07          | -4.70                 | 41.37          | 54.00          | 12.63       | 150         | 16        | AV       | Horizontal | PASS    |
| 4   | 7311.2156   | 36.14          | -1.53                 | 34.61          | 54.00          | 19.39       | 150         | 139       | AV       | Horizontal | PASS    |

**Test Graph****Data List**

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|----------|---------|
| 1   | 4874.3437   | 45.16          | -4.70                 | 40.46          | 74.00          | 33.54       | 150         | 95        | PK       | Vertical | PASS    |
| 2   | 7311.2156   | 43.11          | -1.53                 | 41.58          | 74.00          | 32.42       | 150         | 51        | PK       | Vertical | PASS    |
| 3   | 4874.3437   | 37.50          | -4.70                 | 32.80          | 54.00          | 21.20       | 150         | 177       | AV       | Vertical | PASS    |
| 4   | 7311.2156   | 34.14          | -1.53                 | 32.61          | 54.00          | 21.39       | 150         | 177       | AV       | Vertical | PASS    |

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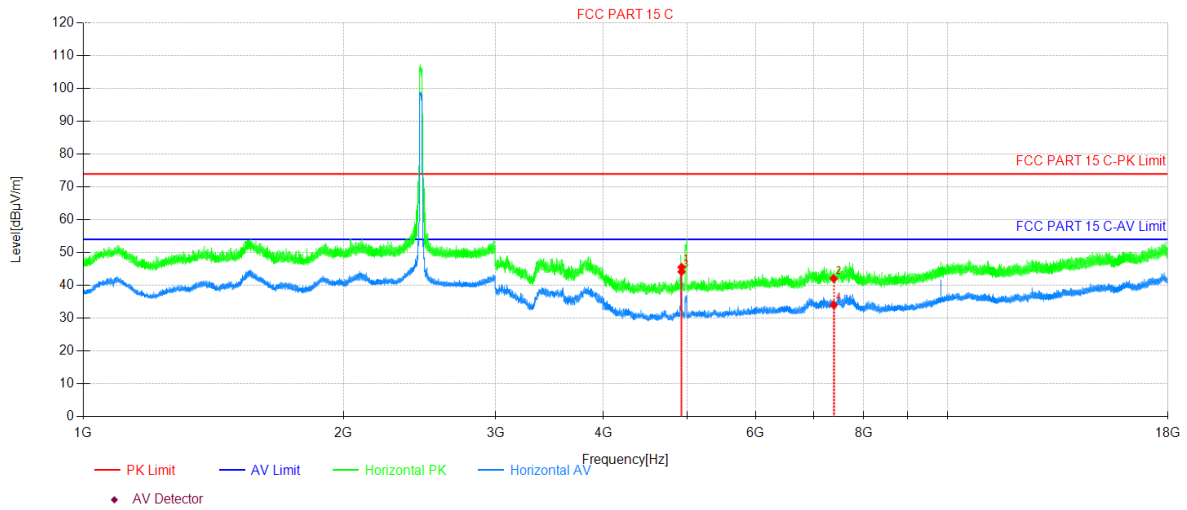
Tel: +86-755-28230888

Fax: +86-755-28230886

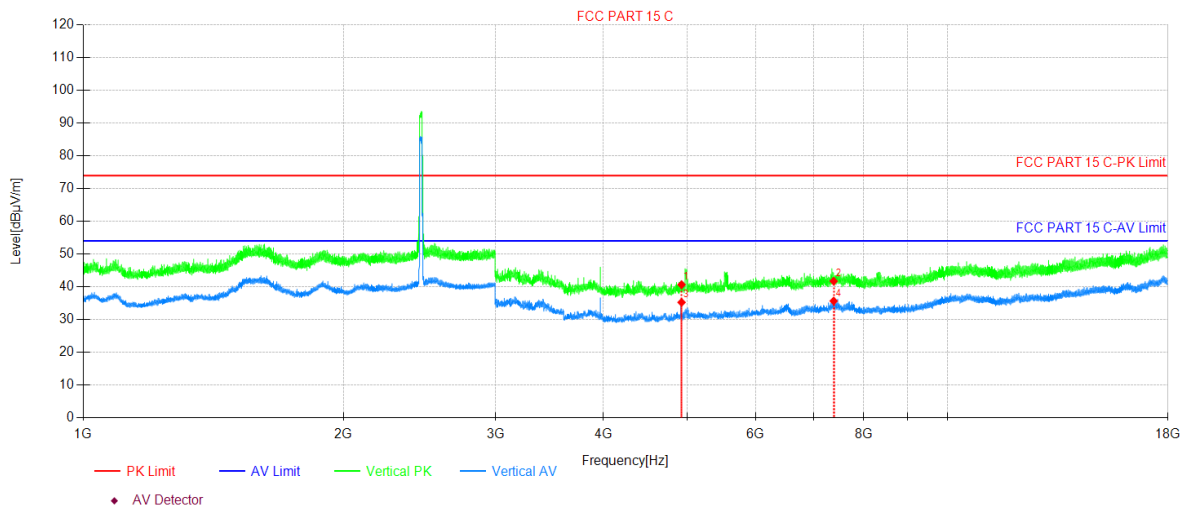
E-mail: info@uttlab.com

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**IEEE 802.11g \_ Highest Channel:  
Test Graph****Data List**

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity   | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|------------|---------|
| 1   | 4924.5962   | 50.32          | -4.79                 | 45.53          | 74.00          | 28.47       | 150         | 65        | PK       | Horizontal | PASS    |
| 2   | 7386.2193   | 43.39          | -1.32                 | 42.07          | 74.00          | 31.93       | 150         | 139       | PK       | Horizontal | PASS    |
| 3   | 4924.5962   | 48.92          | -4.79                 | 44.13          | 54.00          | 9.87        | 150         | 23        | AV       | Horizontal | PASS    |
| 4   | 7386.2193   | 35.39          | -1.32                 | 34.07          | 54.00          | 19.93       | 150         | 139       | AV       | Horizontal | PASS    |

**Test Graph****Data List**

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|----------|---------|
| 1   | 4924.5962   | 45.45          | -4.79                 | 40.66          | 74.00          | 33.34       | 150         | 177       | PK       | Vertical | PASS    |
| 2   | 7386.2193   | 43.04          | -1.32                 | 41.72          | 74.00          | 32.28       | 150         | 64        | PK       | Vertical | PASS    |
| 3   | 4924.5962   | 40.02          | -4.79                 | 35.23          | 54.00          | 18.77       | 150         | 177       | AV       | Vertical | PASS    |
| 4   | 7386.2193   | 36.98          | -1.32                 | 35.66          | 54.00          | 18.34       | 150         | 123       | AV       | Vertical | PASS    |

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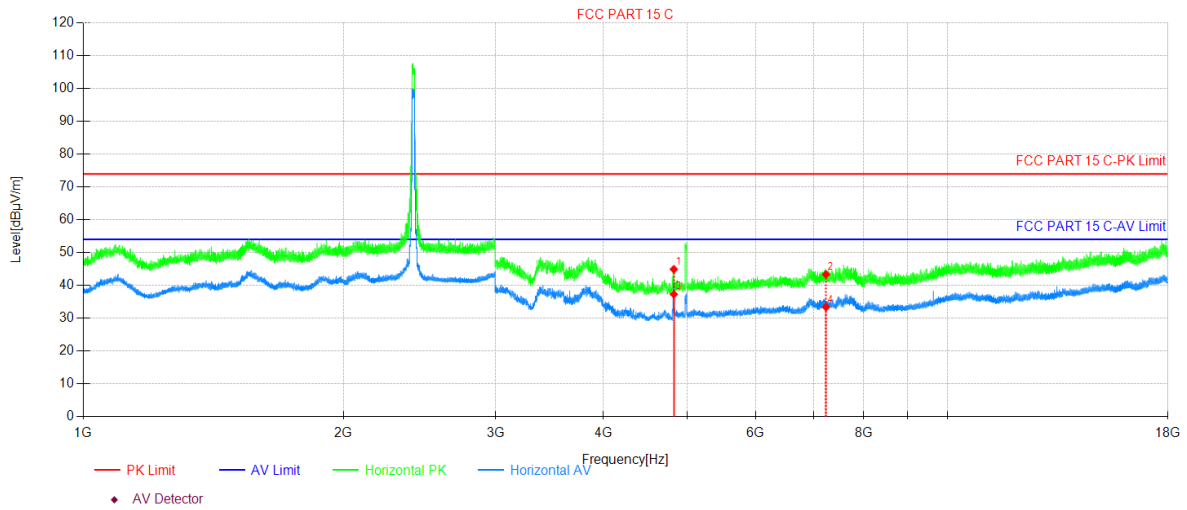
E-mail: info@uttlab.com

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## IEEE 802.11n-HT20 \_ Lowest Channel:

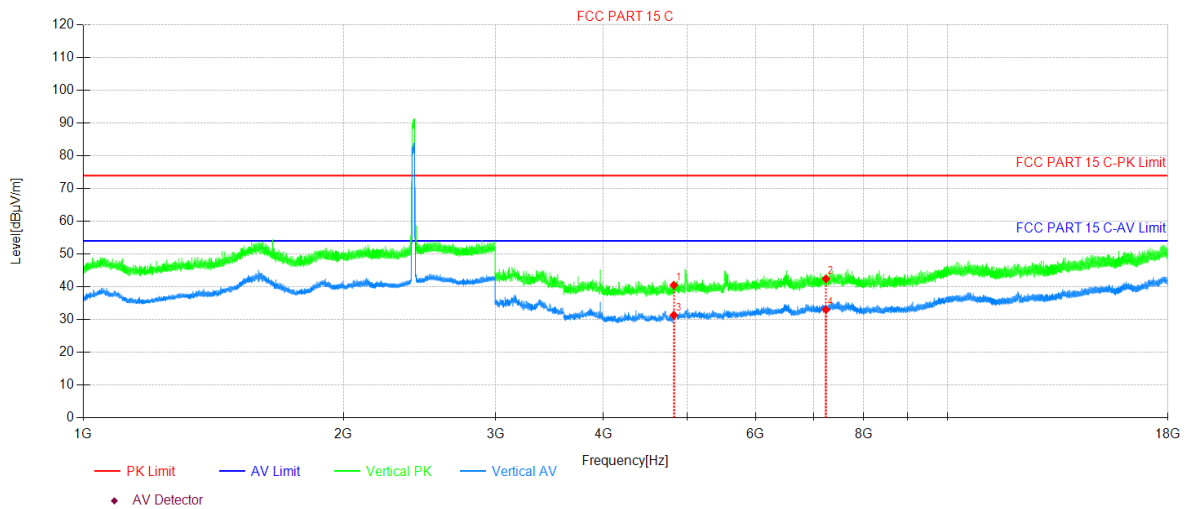
## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity   | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|------------|---------|
| 1   | 4824.0912   | 49.53          | -4.63                 | 44.90          | 74.00          | 29.10       | 150         | 9         | PK       | Horizontal | PASS    |
| 2   | 7236.2118   | 45.06          | -1.70                 | 43.36          | 74.00          | 30.64       | 150         | 164       | PK       | Horizontal | PASS    |
| 3   | 4824.0912   | 41.91          | -4.63                 | 37.28          | 54.00          | 16.72       | 150         | 23        | AV       | Horizontal | PASS    |
| 4   | 7236.2118   | 35.07          | -1.70                 | 33.37          | 54.00          | 20.63       | 150         | 123       | AV       | Horizontal | PASS    |

## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|----------|---------|
| 1   | 4824.0912   | 45.13          | -4.63                 | 40.50          | 74.00          | 33.50       | 150         | 165       | PK       | Vertical | PASS    |
| 2   | 7236.2118   | 44.15          | -1.70                 | 42.45          | 74.00          | 31.55       | 150         | 68        | PK       | Vertical | PASS    |
| 3   | 4824.0912   | 35.96          | -4.63                 | 31.33          | 54.00          | 22.67       | 150         | 97        | AV       | Vertical | PASS    |
| 4   | 7236.2118   | 34.76          | -1.70                 | 33.06          | 54.00          | 20.94       | 150         | 68        | AV       | Vertical | PASS    |

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Fax: +86-755-28230886

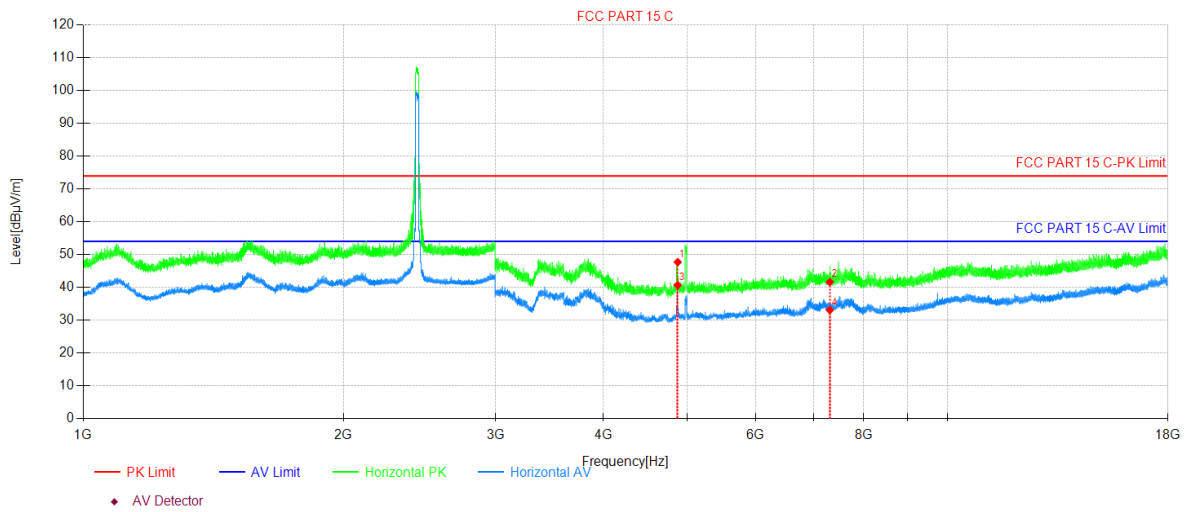
E-mail: info@uttlab.com

<http://www.uttlab.com>

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## IEEE 802.11n-HT20 \_ Middle Channel:

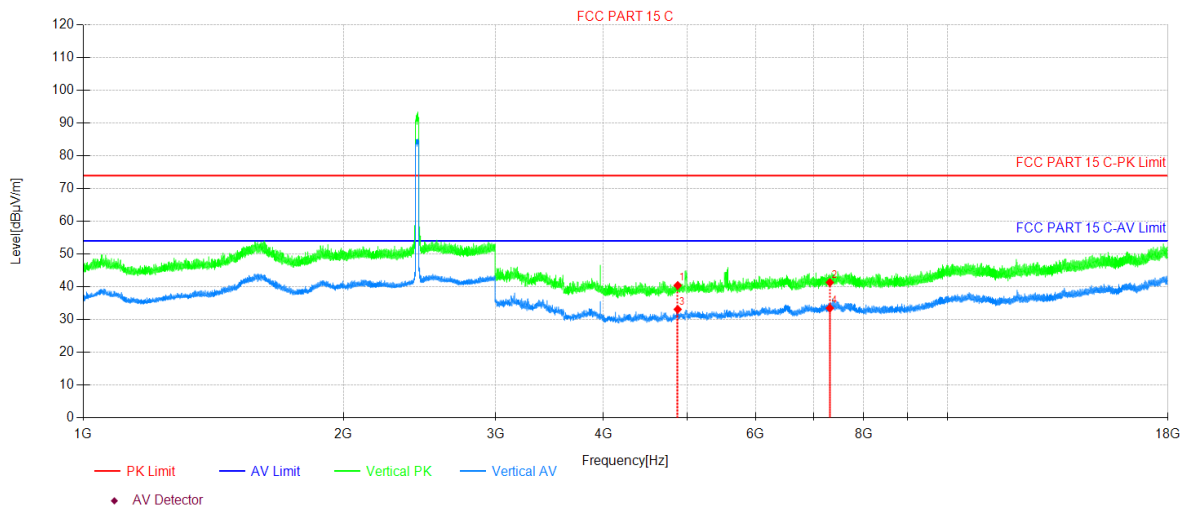
## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity   | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|------------|---------|
| 1   | 4874.3437   | 52.40          | -4.70                 | 47.70          | 74.00          | 26.30       | 150         | 0         | PK       | Horizontal | PASS    |
| 2   | 7311.2156   | 43.15          | -1.53                 | 41.62          | 74.00          | 32.38       | 150         | 166       | PK       | Horizontal | PASS    |
| 3   | 4874.3437   | 45.35          | -4.70                 | 40.65          | 54.00          | 13.35       | 150         | 11        | AV       | Horizontal | PASS    |
| 4   | 7311.2156   | 34.60          | -1.53                 | 33.07          | 54.00          | 20.93       | 150         | 0         | AV       | Horizontal | PASS    |

## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|----------|---------|
| 1   | 4874.3437   | 45.12          | -4.70                 | 40.42          | 74.00          | 33.58       | 150         | 74        | PK       | Vertical | PASS    |
| 2   | 7311.2156   | 42.85          | -1.53                 | 41.32          | 74.00          | 32.68       | 150         | 0         | PK       | Vertical | PASS    |
| 3   | 4874.3437   | 37.81          | -4.70                 | 33.11          | 54.00          | 20.89       | 150         | 164       | AV       | Vertical | PASS    |
| 4   | 7311.2156   | 35.00          | -1.53                 | 33.47          | 54.00          | 20.53       | 150         | 117       | AV       | Vertical | PASS    |

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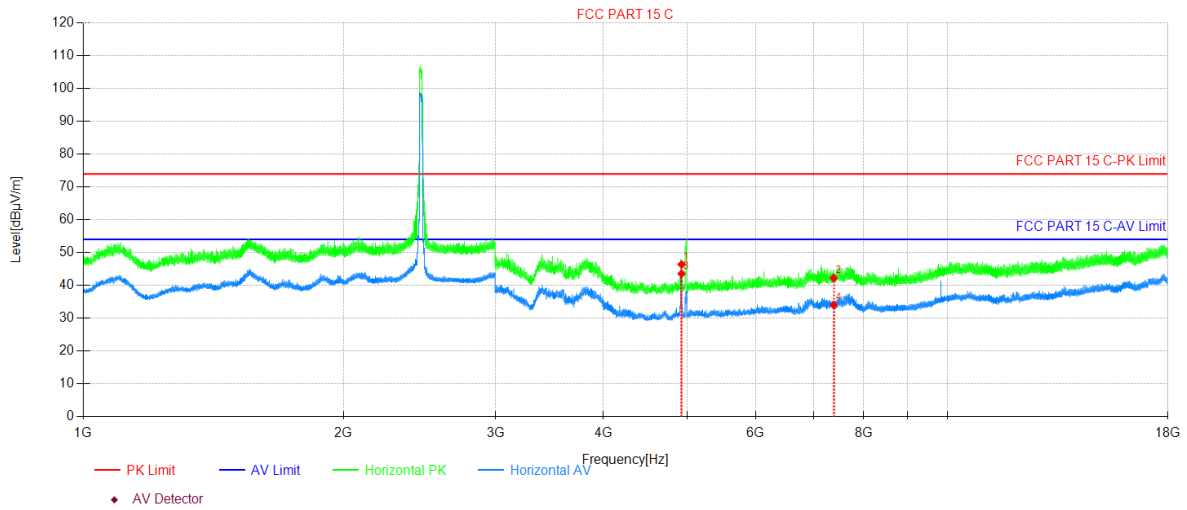
E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-RSS247-V1.1

## IEEE 802.11n-HT20 \_ Highest Channel:

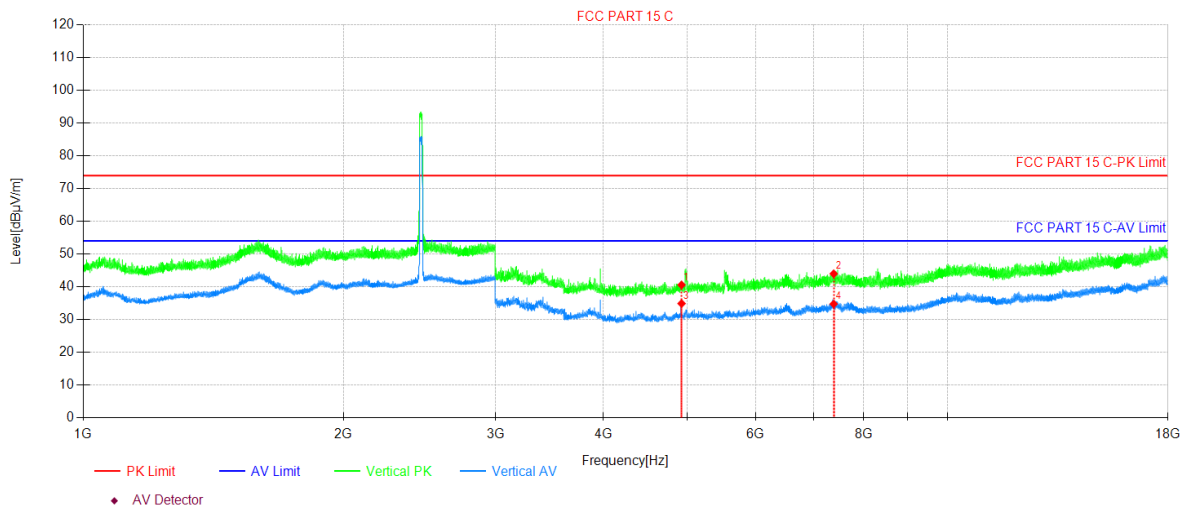
## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity   | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|------------|---------|
| 1   | 4924.5962   | 51.18          | -4.79                 | 46.39          | 74.00          | 27.61       | 150         | 0         | PK       | Horizontal | PASS    |
| 2   | 7386.2193   | 43.55          | -1.32                 | 42.23          | 74.00          | 31.77       | 150         | 165       | PK       | Horizontal | PASS    |
| 3   | 4924.5962   | 48.33          | -4.79                 | 43.54          | 54.00          | 10.46       | 150         | 12        | AV       | Horizontal | PASS    |
| 4   | 7386.2193   | 35.36          | -1.32                 | 34.04          | 54.00          | 19.96       | 150         | 138       | AV       | Horizontal | PASS    |

## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|----------|---------|
| 1   | 4924.5962   | 45.36          | -4.79                 | 40.57          | 74.00          | 33.43       | 150         | 122       | PK       | Vertical | PASS    |
| 2   | 7386.2193   | 45.30          | -1.32                 | 43.98          | 74.00          | 30.02       | 150         | 162       | PK       | Vertical | PASS    |
| 3   | 4924.5962   | 39.68          | -4.79                 | 34.89          | 54.00          | 19.11       | 150         | 176       | AV       | Vertical | PASS    |
| 4   | 7386.2193   | 36.07          | -1.32                 | 34.75          | 54.00          | 19.25       | 150         | 162       | AV       | Vertical | PASS    |

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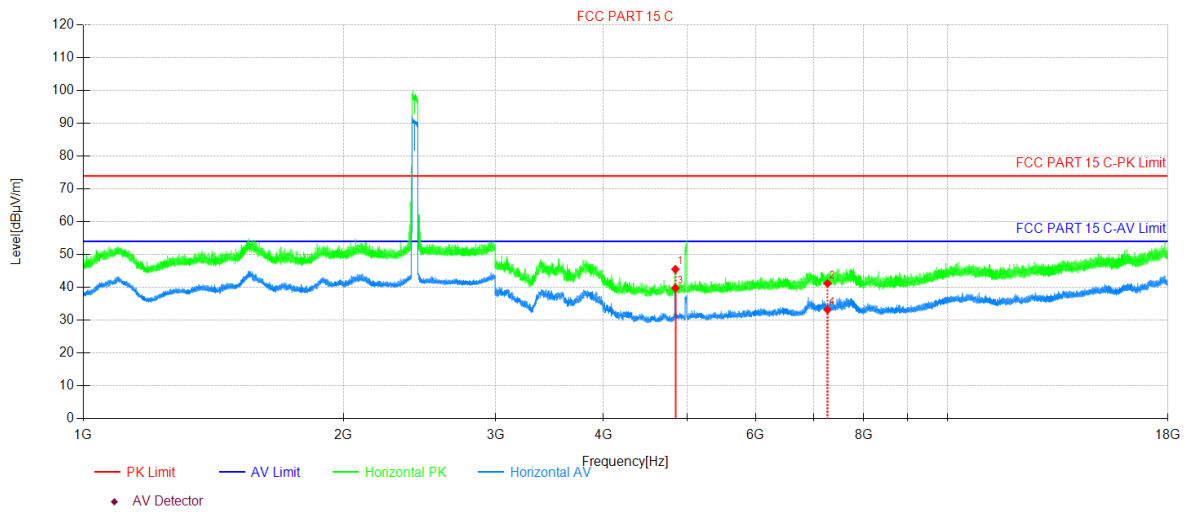
E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-RSS247-V1.1

## IEEE 802.11n-HT40 \_ Lowest Channel:

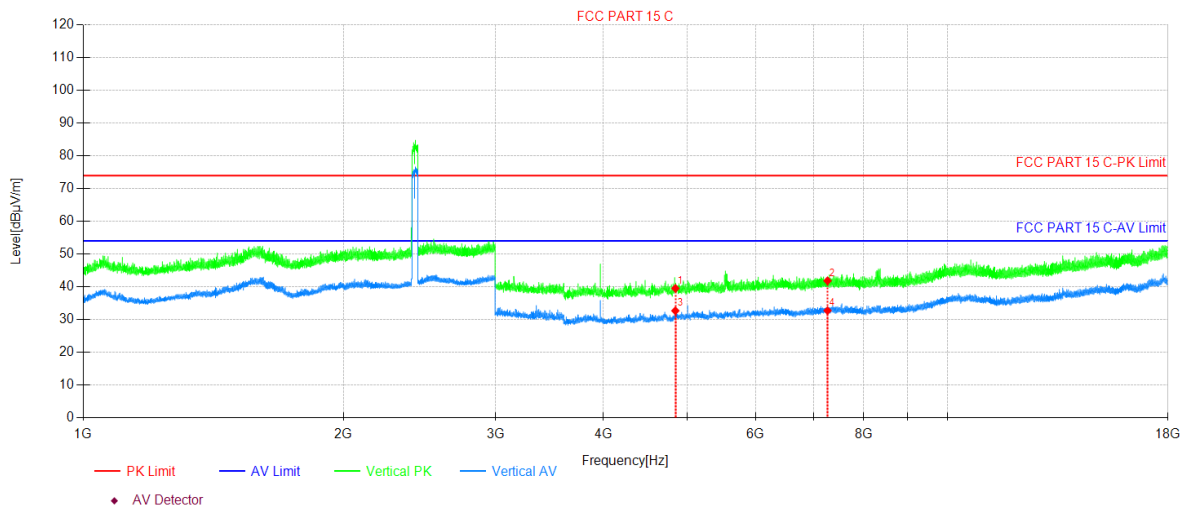
## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity   | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|------------|---------|
| 1   | 4844.3422   | 50.18          | -4.66                 | 45.52          | 74.00          | 28.48       | 150         | 0         | PK       | Horizontal | PASS    |
| 2   | 7266.2133   | 42.82          | -1.63                 | 41.19          | 74.00          | 32.81       | 150         | 160       | PK       | Horizontal | PASS    |
| 3   | 4844.3422   | 44.43          | -4.66                 | 39.77          | 54.00          | 14.23       | 150         | 22        | AV       | Horizontal | PASS    |
| 4   | 7266.2133   | 34.80          | -1.63                 | 33.17          | 54.00          | 20.83       | 150         | 177       | AV       | Horizontal | PASS    |

## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|----------|---------|
| 1   | 4844.3422   | 44.17          | -4.66                 | 39.51          | 74.00          | 34.49       | 150         | 177       | PK       | Vertical | PASS    |
| 2   | 7266.2133   | 43.48          | -1.63                 | 41.85          | 74.00          | 32.15       | 150         | 97        | PK       | Vertical | PASS    |
| 3   | 4844.3422   | 37.33          | -4.66                 | 32.67          | 54.00          | 21.33       | 150         | 177       | AV       | Vertical | PASS    |
| 4   | 7266.2133   | 34.35          | -1.63                 | 32.72          | 54.00          | 21.28       | 150         | 29        | AV       | Vertical | PASS    |

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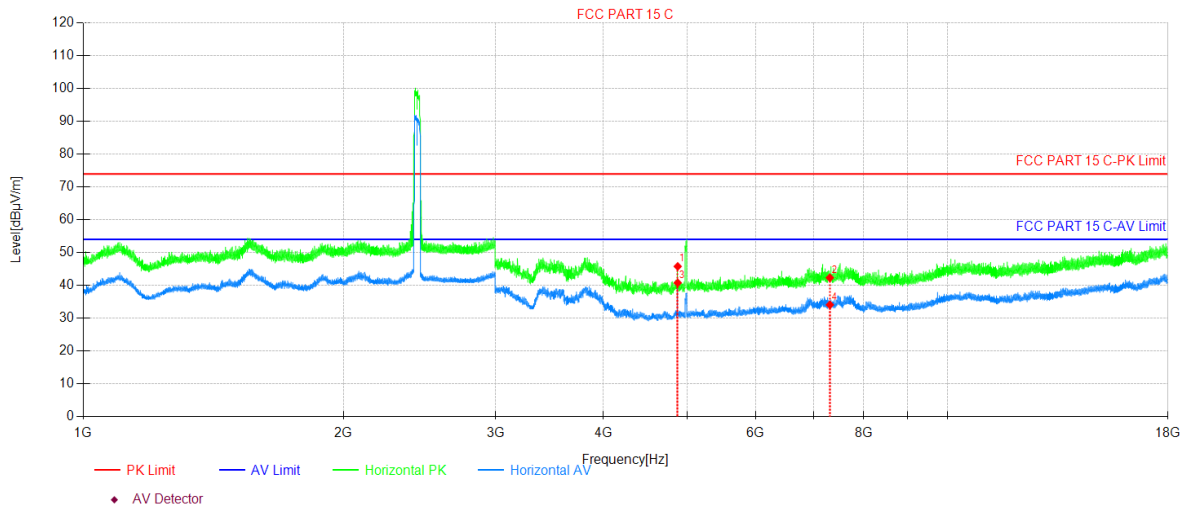
E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-RSS247-V1.1

# IEEE 802.11n-HT40 \_ Middle Channel:

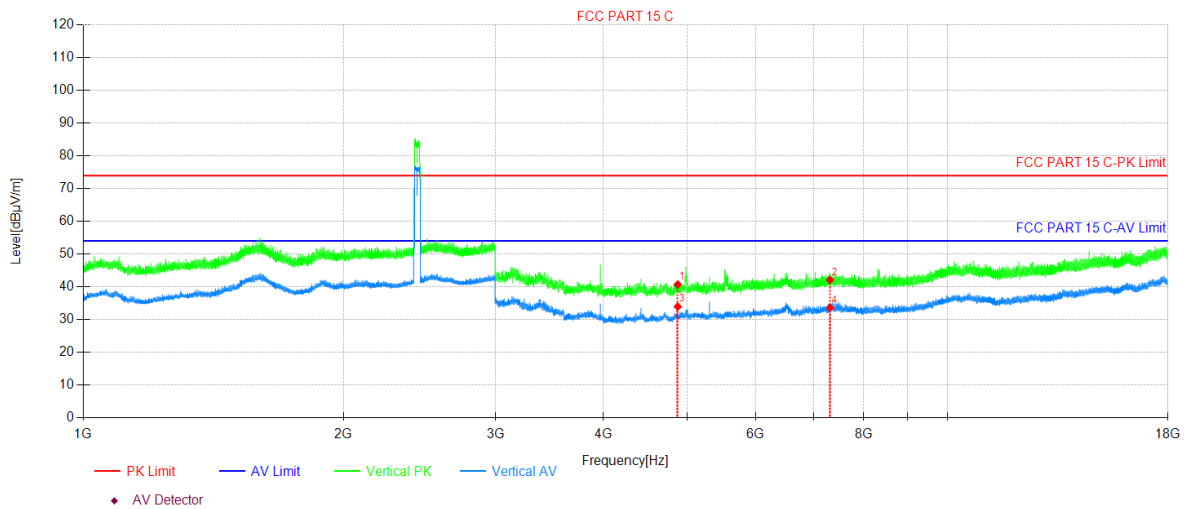
## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity   | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|------------|---------|
| 1   | 4874.3437   | 50.47          | -4.70                 | 45.77          | 74.00          | 28.23       | 150         | 13        | PK       | Horizontal | PASS    |
| 2   | 7311.2156   | 43.84          | -1.53                 | 42.31          | 74.00          | 31.69       | 150         | 177       | PK       | Horizontal | PASS    |
| 3   | 4874.3437   | 45.47          | -4.70                 | 40.77          | 54.00          | 13.23       | 150         | 13        | AV       | Horizontal | PASS    |
| 4   | 7311.2156   | 35.59          | -1.53                 | 34.06          | 54.00          | 19.94       | 150         | 165       | AV       | Horizontal | PASS    |

## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|----------|---------|
| 1   | 4874.3437   | 45.40          | -4.70                 | 40.70          | 74.00          | 33.30       | 150         | 5         | PK       | Vertical | PASS    |
| 2   | 7311.2156   | 43.64          | -1.53                 | 42.11          | 74.00          | 31.89       | 150         | 93        | PK       | Vertical | PASS    |
| 3   | 4874.3437   | 38.64          | -4.70                 | 33.94          | 54.00          | 20.06       | 150         | 177       | AV       | Vertical | PASS    |
| 4   | 7311.2156   | 35.11          | -1.53                 | 33.58          | 54.00          | 20.42       | 150         | 119       | AV       | Vertical | PASS    |

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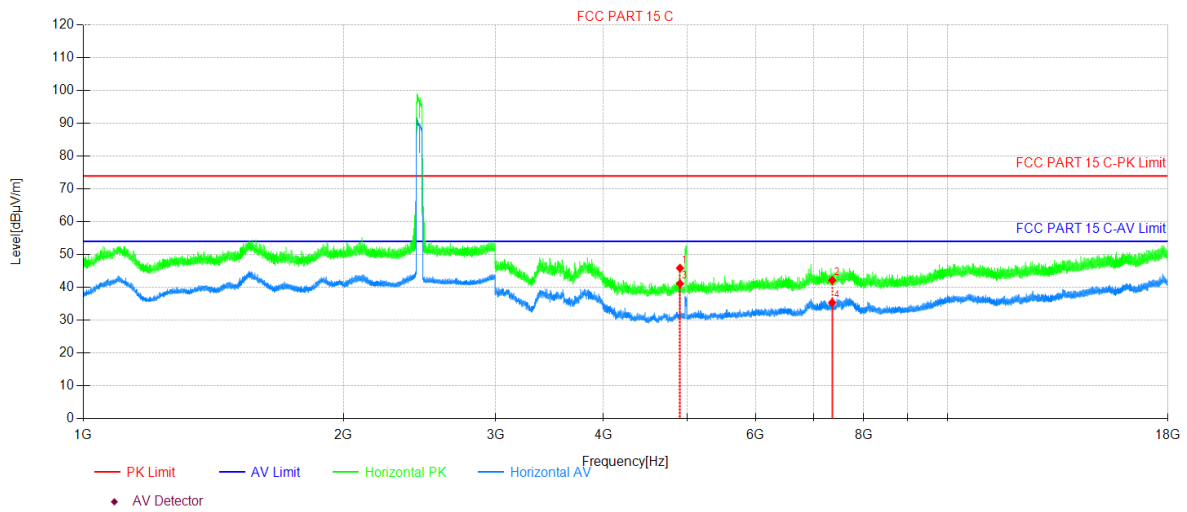
E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-RSS247-V1.1

## IEEE 802.11n-HT40 \_ Highest Channel:

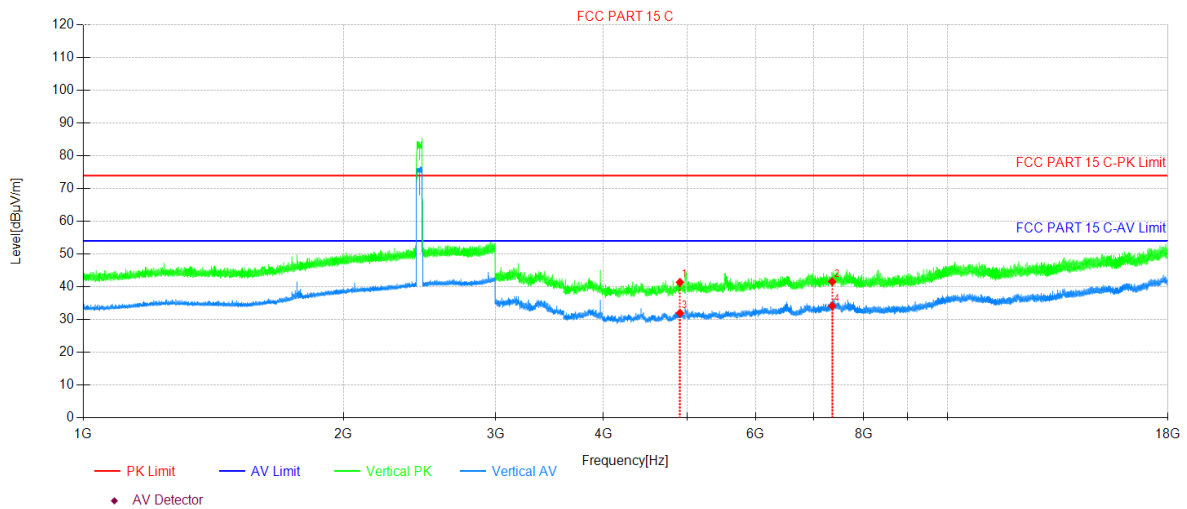
## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity   | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|------------|---------|
| 1   | 4904.3452   | 50.63          | -4.75                 | 45.88          | 74.00          | 28.12       | 150         | 17        | PK       | Horizontal | PASS    |
| 2   | 7356.2178   | 43.56          | -1.40                 | 42.16          | 74.00          | 31.84       | 150         | 139       | PK       | Horizontal | PASS    |
| 3   | 4904.3452   | 45.87          | -4.75                 | 41.12          | 54.00          | 12.88       | 150         | 17        | AV       | Horizontal | PASS    |
| 4   | 7356.2178   | 36.73          | -1.40                 | 35.33          | 54.00          | 18.67       | 150         | 177       | AV       | Horizontal | PASS    |

## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|----------|---------|
| 1   | 4904.3452   | 46.13          | -4.75                 | 41.38          | 74.00          | 32.62       | 150         | 152       | PK       | Vertical | PASS    |
| 2   | 7356.2178   | 42.99          | -1.40                 | 41.59          | 74.00          | 32.41       | 150         | 123       | PK       | Vertical | PASS    |
| 3   | 4904.3452   | 36.70          | -4.75                 | 31.95          | 54.00          | 22.05       | 150         | 177       | AV       | Vertical | PASS    |
| 4   | 7356.2178   | 35.55          | -1.40                 | 34.15          | 54.00          | 19.85       | 150         | 152       | AV       | Vertical | PASS    |

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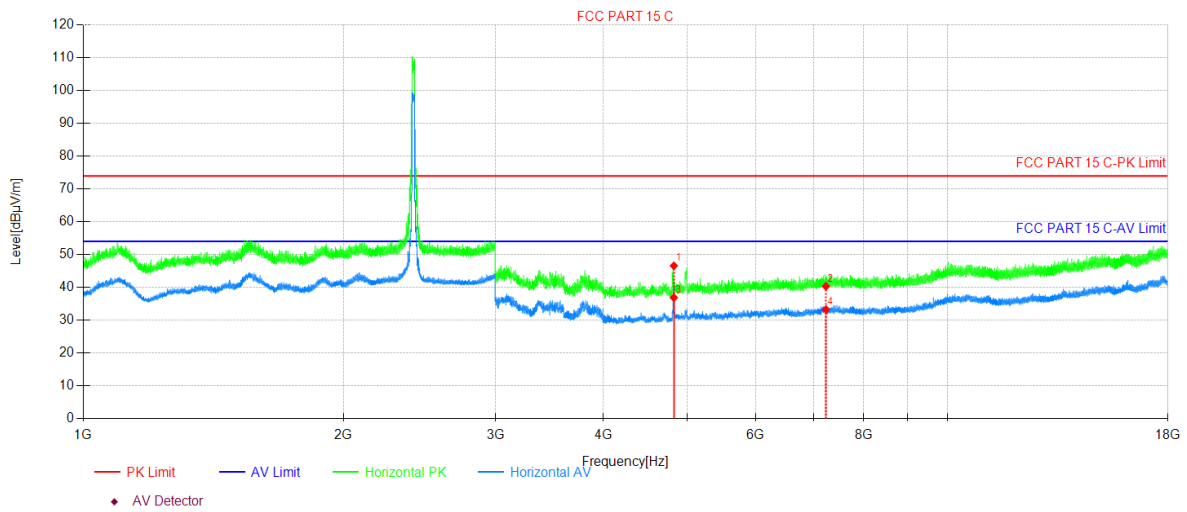
E-mail: info@uttlab.com

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UTTR-RF-RSS247-V1.1

## IEEE 802.11n- ax20 \_ Lowest Channel:

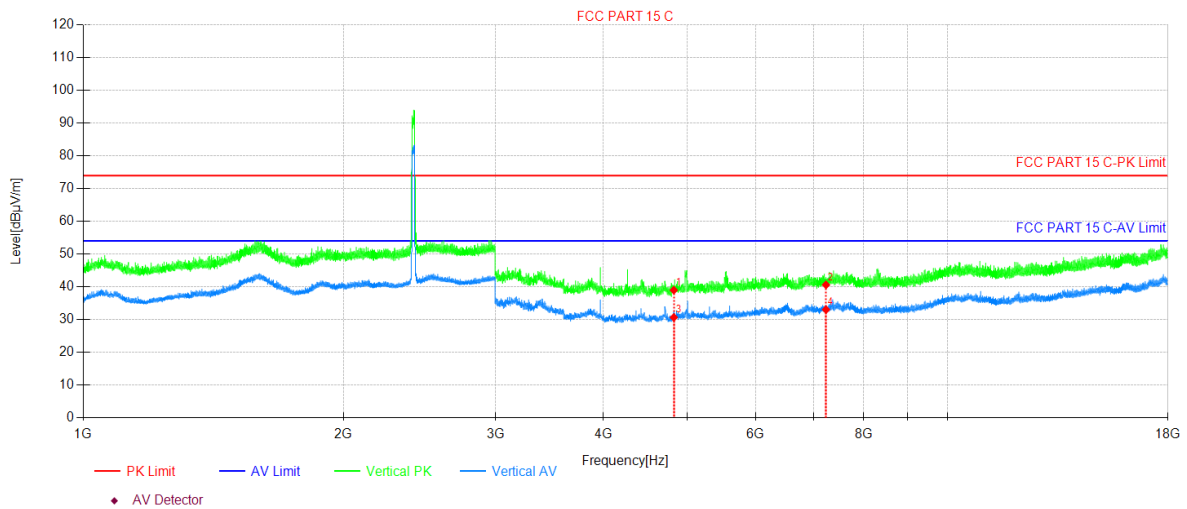
## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity   | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|------------|---------|
| 1   | 4824.0912   | 51.21          | -4.63                 | 46.58          | 74.00          | 27.42       | 150         | 26        | PK       | Horizontal | PASS    |
| 2   | 7236.2118   | 42.02          | -1.70                 | 40.32          | 74.00          | 33.68       | 150         | 0         | PK       | Horizontal | PASS    |
| 3   | 4824.0912   | 41.50          | -4.63                 | 36.87          | 54.00          | 17.13       | 150         | 12        | AV       | Horizontal | PASS    |
| 4   | 7236.2118   | 34.93          | -1.70                 | 33.23          | 54.00          | 20.77       | 150         | 26        | AV       | Horizontal | PASS    |

## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|----------|---------|
| 1   | 4824.0912   | 43.61          | -4.63                 | 38.98          | 74.00          | 35.02       | 150         | 177       | PK       | Vertical | PASS    |
| 2   | 7236.2118   | 42.28          | -1.70                 | 40.58          | 74.00          | 33.42       | 150         | 0         | PK       | Vertical | PASS    |
| 3   | 4824.0912   | 35.27          | -4.63                 | 30.64          | 54.00          | 23.36       | 150         | 151       | AV       | Vertical | PASS    |
| 4   | 7236.2118   | 34.72          | -1.70                 | 33.02          | 54.00          | 20.98       | 150         | 177       | AV       | Vertical | PASS    |

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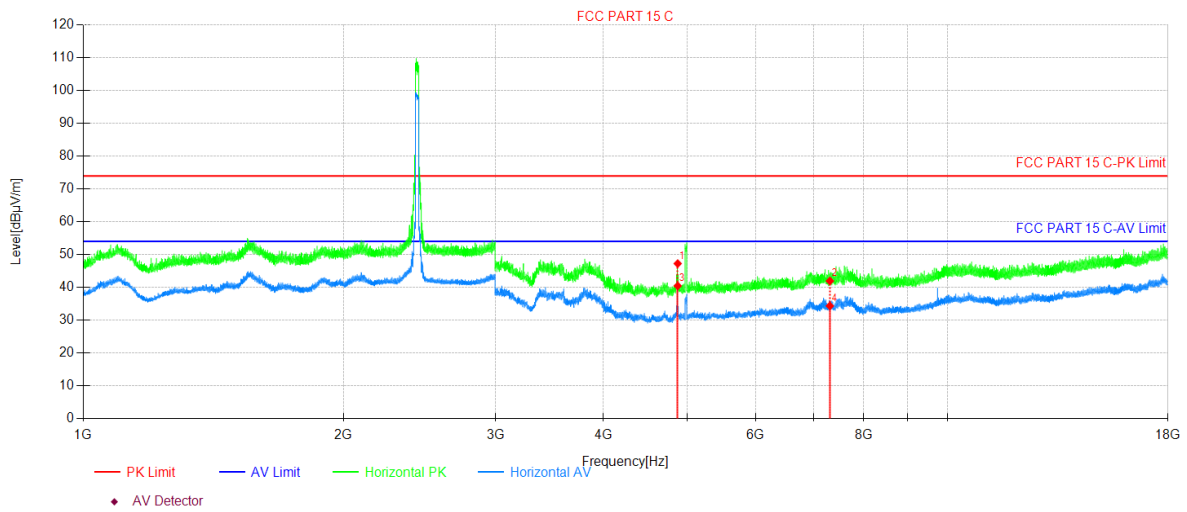
E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-RSS247-V1.1

## IEEE 802.11n-ax20 \_ Middle Channel:

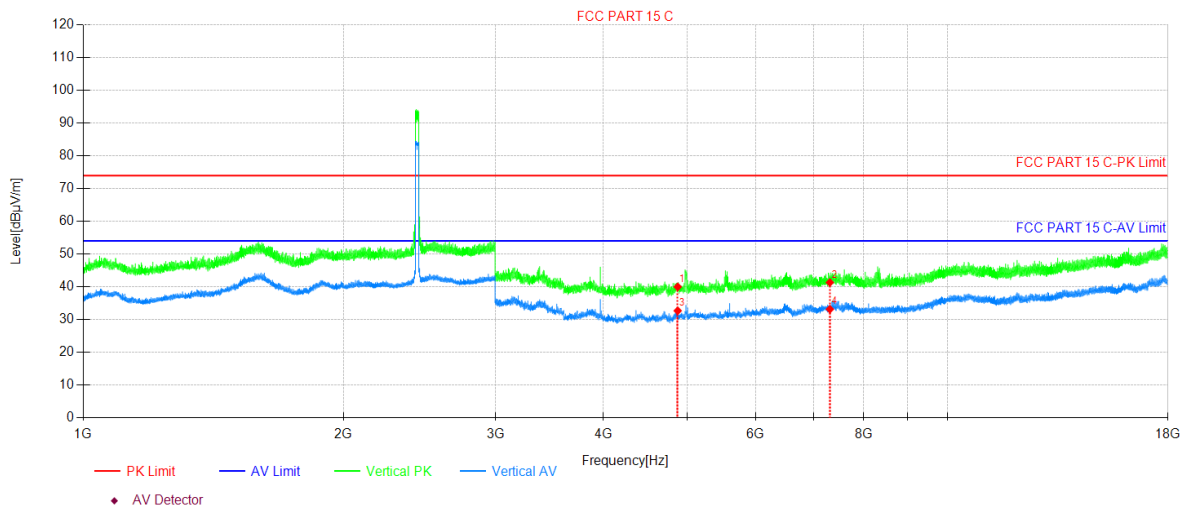
## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity   | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|------------|---------|
| 1   | 4874.3437   | 51.94          | -4.70                 | 47.24          | 74.00          | 26.76       | 150         | 13        | PK       | Horizontal | PASS    |
| 2   | 7311.2156   | 43.47          | -1.53                 | 41.94          | 74.00          | 32.06       | 150         | 163       | PK       | Horizontal | PASS    |
| 3   | 4874.3437   | 45.15          | -4.70                 | 40.45          | 54.00          | 13.55       | 150         | 27        | AV       | Horizontal | PASS    |
| 4   | 7311.2156   | 35.86          | -1.53                 | 34.33          | 54.00          | 19.67       | 150         | 151       | AV       | Horizontal | PASS    |

## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|----------|---------|
| 1   | 4874.3437   | 44.68          | -4.70                 | 39.98          | 74.00          | 34.02       | 150         | 166       | PK       | Vertical | PASS    |
| 2   | 7311.2156   | 42.84          | -1.53                 | 41.31          | 74.00          | 32.69       | 150         | 14        | PK       | Vertical | PASS    |
| 3   | 4874.3437   | 37.37          | -4.70                 | 32.67          | 54.00          | 21.33       | 150         | 176       | AV       | Vertical | PASS    |
| 4   | 7311.2156   | 34.68          | -1.53                 | 33.15          | 54.00          | 20.85       | 150         | 152       | AV       | Vertical | PASS    |

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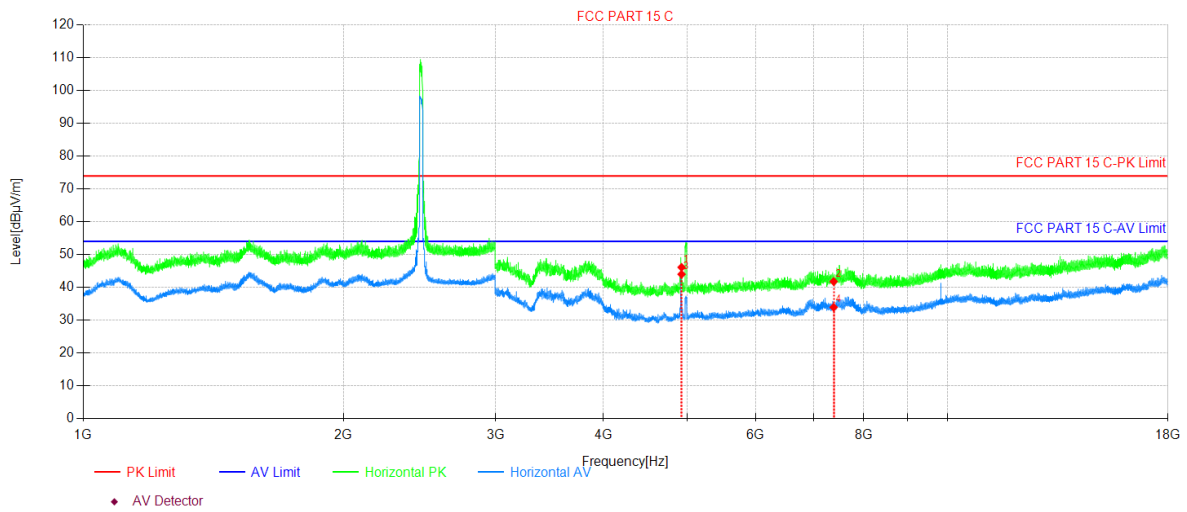
E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-RSS247-V1.1

## IEEE 802.11n- ax20 \_ Highest Channel:

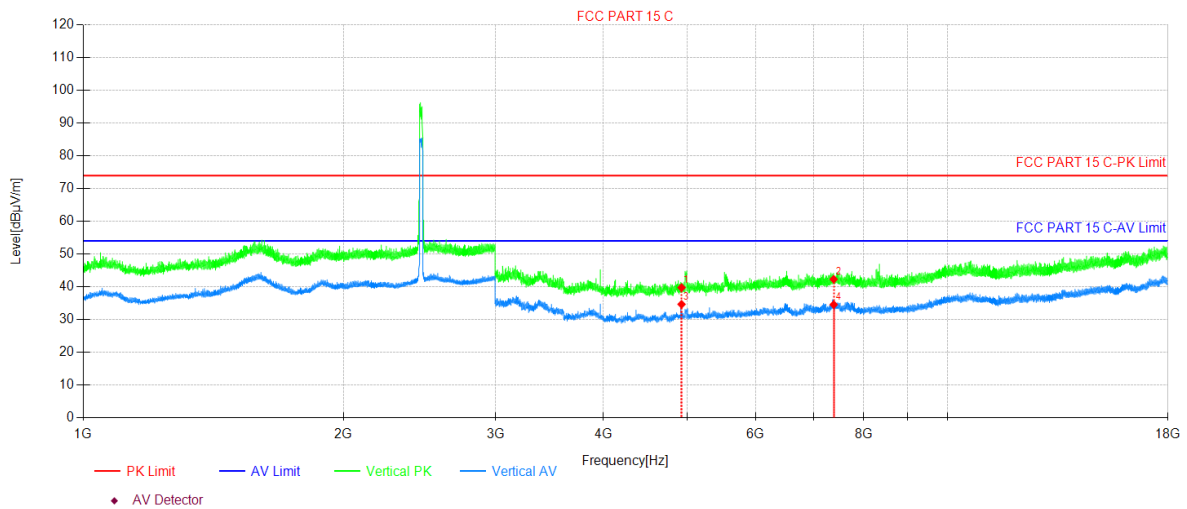
## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity   | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|------------|---------|
| 1   | 4924.5962   | 50.90          | -4.79                 | 46.11          | 74.00          | 27.89       | 150         | 68        | PK       | Horizontal | PASS    |
| 2   | 7386.2193   | 43.10          | -1.32                 | 41.78          | 74.00          | 32.22       | 150         | 163       | PK       | Horizontal | PASS    |
| 3   | 4924.5962   | 48.78          | -4.79                 | 43.99          | 54.00          | 10.01       | 150         | 0         | AV       | Horizontal | PASS    |
| 4   | 7386.2193   | 35.24          | -1.32                 | 33.92          | 54.00          | 20.08       | 150         | 163       | AV       | Horizontal | PASS    |

## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|----------|---------|
| 1   | 4924.5962   | 44.55          | -4.79                 | 39.76          | 74.00          | 34.24       | 150         | 107       | PK       | Vertical | PASS    |
| 2   | 7386.2193   | 43.62          | -1.32                 | 42.30          | 74.00          | 31.70       | 150         | 124       | PK       | Vertical | PASS    |
| 3   | 4924.5962   | 39.44          | -4.79                 | 34.65          | 54.00          | 19.35       | 150         | 177       | AV       | Vertical | PASS    |
| 4   | 7386.2193   | 35.87          | -1.32                 | 34.55          | 54.00          | 19.45       | 150         | 124       | AV       | Vertical | PASS    |

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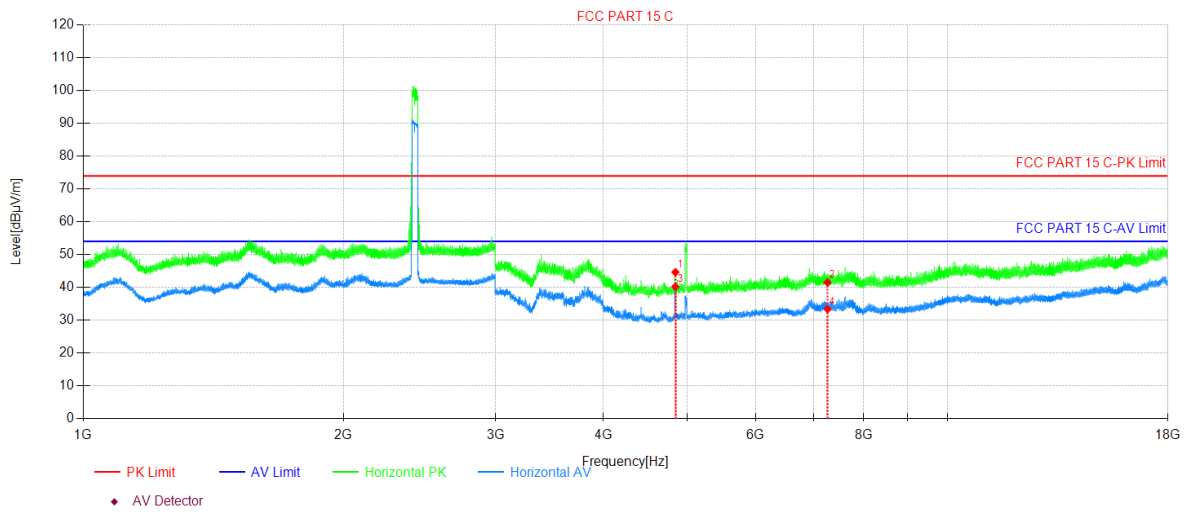
E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-RSS247-V1.1

## IEEE 802.11n-ax40 \_ Lowest Channel:

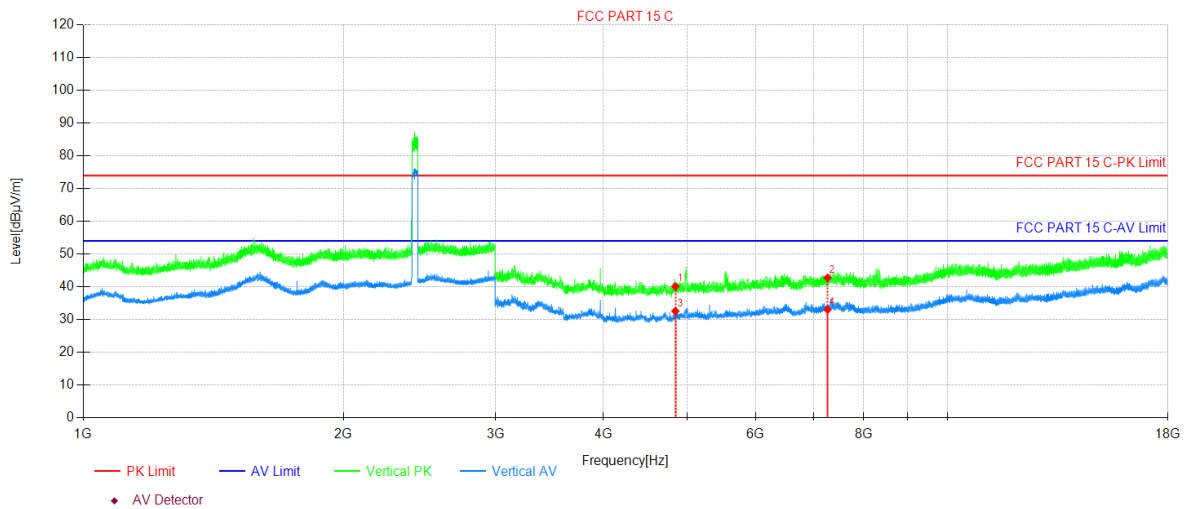
## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity   | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|------------|---------|
| 1   | 4844.3422   | 49.29          | -4.66                 | 44.63          | 74.00          | 29.37       | 150         | 3         | PK       | Horizontal | PASS    |
| 2   | 7266.2133   | 43.13          | -1.63                 | 41.50          | 74.00          | 32.50       | 150         | 173       | PK       | Horizontal | PASS    |
| 3   | 4844.3422   | 44.84          | -4.66                 | 40.18          | 54.00          | 13.82       | 150         | 30        | AV       | Horizontal | PASS    |
| 4   | 7266.2133   | 34.99          | -1.63                 | 33.36          | 54.00          | 20.64       | 150         | 173       | AV       | Horizontal | PASS    |

## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|----------|---------|
| 1   | 4844.3422   | 44.76          | -4.66                 | 40.10          | 74.00          | 33.90       | 150         | 99        | PK       | Vertical | PASS    |
| 2   | 7266.2133   | 44.37          | -1.63                 | 42.74          | 74.00          | 31.26       | 150         | 14        | PK       | Vertical | PASS    |
| 3   | 4844.3422   | 37.21          | -4.66                 | 32.55          | 54.00          | 21.45       | 150         | 180       | AV       | Vertical | PASS    |
| 4   | 7266.2133   | 34.65          | -1.63                 | 33.02          | 54.00          | 20.98       | 150         | 140       | AV       | Vertical | PASS    |

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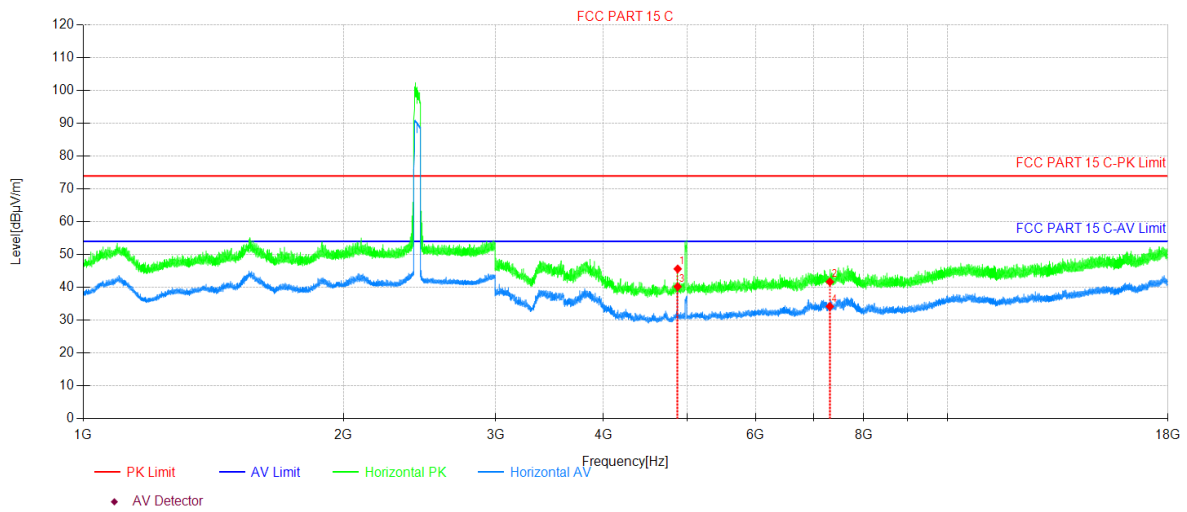
E-mail: info@uttlab.com

<http://www.uttlab.com>

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## IEEE 802.11n- ax40 \_ Middle Channel:

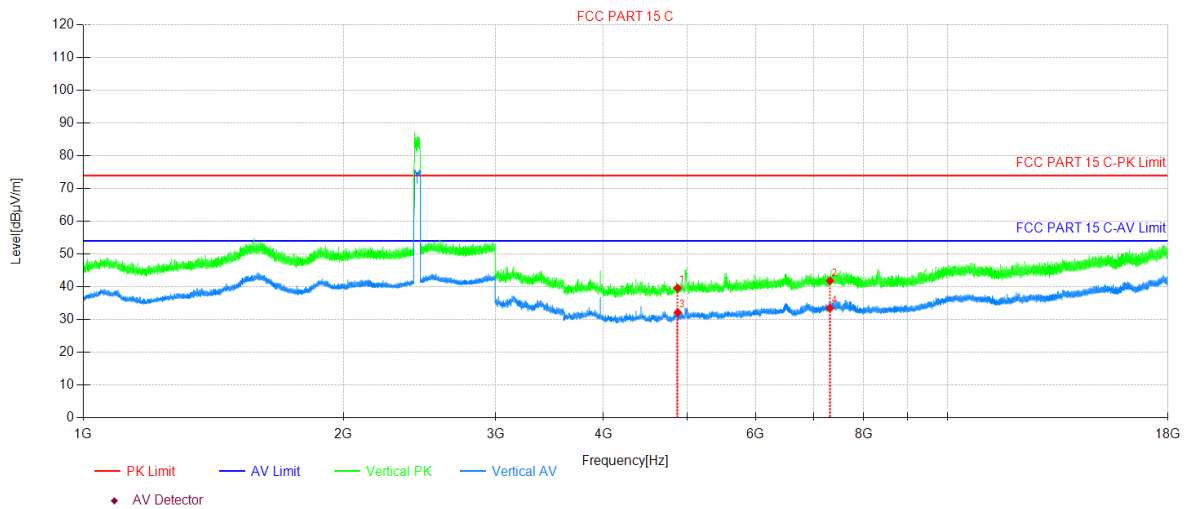
## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity   | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|------------|---------|
| 1   | 4874.3437   | 50.33          | -4.70                 | 45.63          | 74.00          | 28.37       | 150         | 68        | PK       | Horizontal | PASS    |
| 2   | 7311.2156   | 43.20          | -1.53                 | 41.67          | 74.00          | 32.33       | 150         | 0         | PK       | Horizontal | PASS    |
| 3   | 4874.3437   | 44.93          | -4.70                 | 40.23          | 54.00          | 13.77       | 150         | 13        | AV       | Horizontal | PASS    |
| 4   | 7311.2156   | 35.70          | -1.53                 | 34.17          | 54.00          | 19.83       | 150         | 152       | AV       | Horizontal | PASS    |

## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|----------|---------|
| 1   | 4874.3437   | 44.32          | -4.70                 | 39.62          | 74.00          | 34.38       | 150         | 139       | PK       | Vertical | PASS    |
| 2   | 7311.2156   | 43.34          | -1.53                 | 41.81          | 74.00          | 32.19       | 150         | 45        | PK       | Vertical | PASS    |
| 3   | 4874.3437   | 36.87          | -4.70                 | 32.17          | 54.00          | 21.83       | 150         | 177       | AV       | Vertical | PASS    |
| 4   | 7311.2156   | 35.00          | -1.53                 | 33.47          | 54.00          | 20.53       | 150         | 152       | AV       | Vertical | PASS    |

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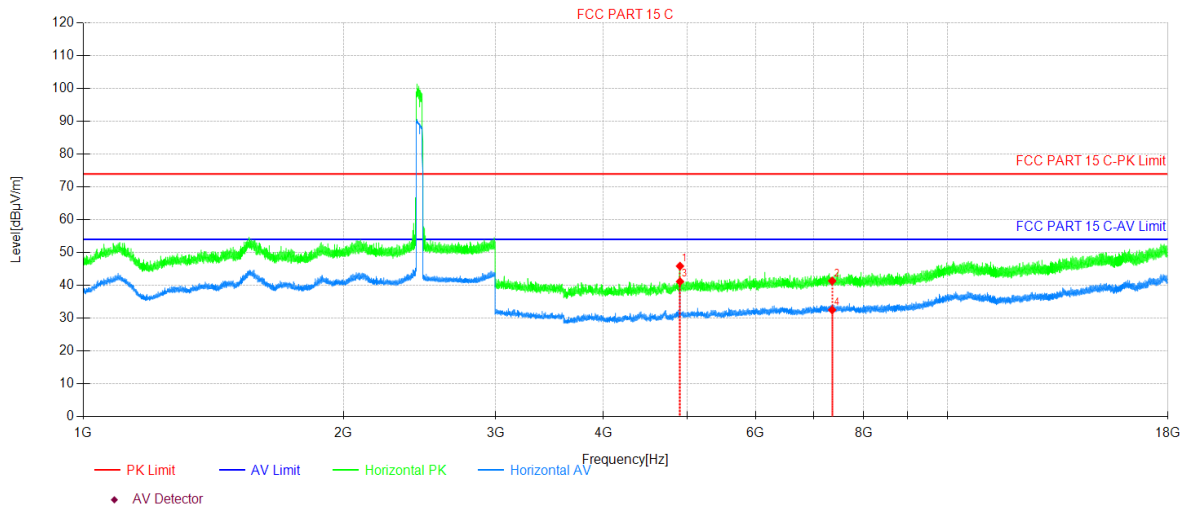
E-mail: info@uttlab.com

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## IEEE 802.11n- ax40 \_ Highest Channel:

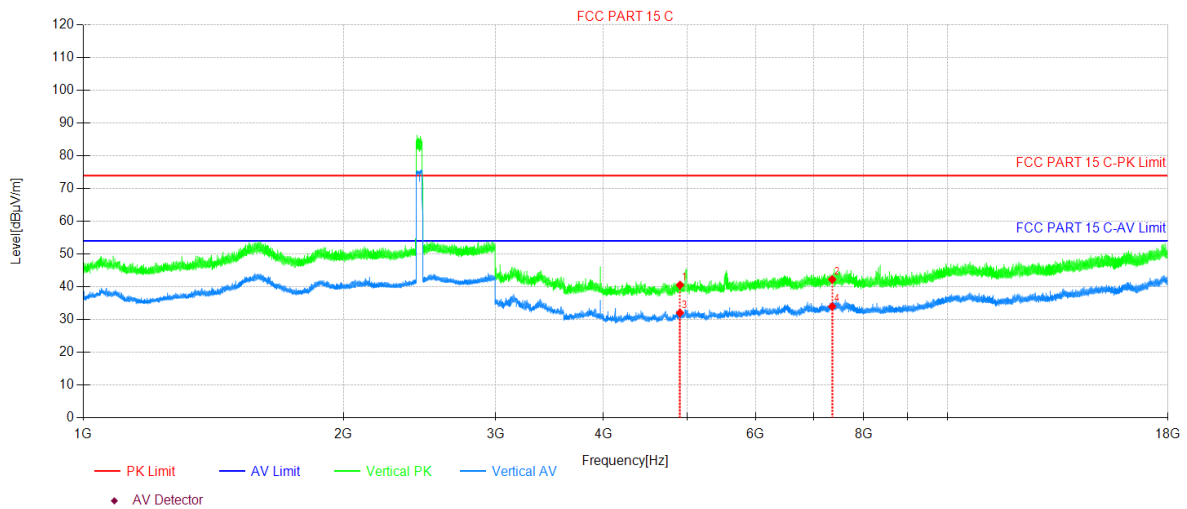
## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity   | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|------------|---------|
| 1   | 4904.3452   | 50.62          | -4.75                 | 45.87          | 74.00          | 28.13       | 150         | 16        | PK       | Horizontal | PASS    |
| 2   | 7356.2178   | 42.74          | -1.40                 | 41.34          | 74.00          | 32.66       | 150         | 139       | PK       | Horizontal | PASS    |
| 3   | 4904.3452   | 45.89          | -4.75                 | 41.14          | 54.00          | 12.86       | 150         | 0         | AV       | Horizontal | PASS    |
| 4   | 7356.2178   | 33.91          | -1.40                 | 32.51          | 54.00          | 21.49       | 150         | 177       | AV       | Horizontal | PASS    |

## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|----------|---------|
| 1   | 4904.3452   | 45.29          | -4.75                 | 40.54          | 74.00          | 33.46       | 150         | 166       | PK       | Vertical | PASS    |
| 2   | 7356.2178   | 43.64          | -1.40                 | 42.24          | 74.00          | 31.76       | 150         | 153       | PK       | Vertical | PASS    |
| 3   | 4904.3452   | 36.79          | -4.75                 | 32.04          | 54.00          | 21.96       | 150         | 94        | AV       | Vertical | PASS    |
| 4   | 7356.2178   | 35.38          | -1.40                 | 33.98          | 54.00          | 20.02       | 150         | 108       | AV       | Vertical | PASS    |

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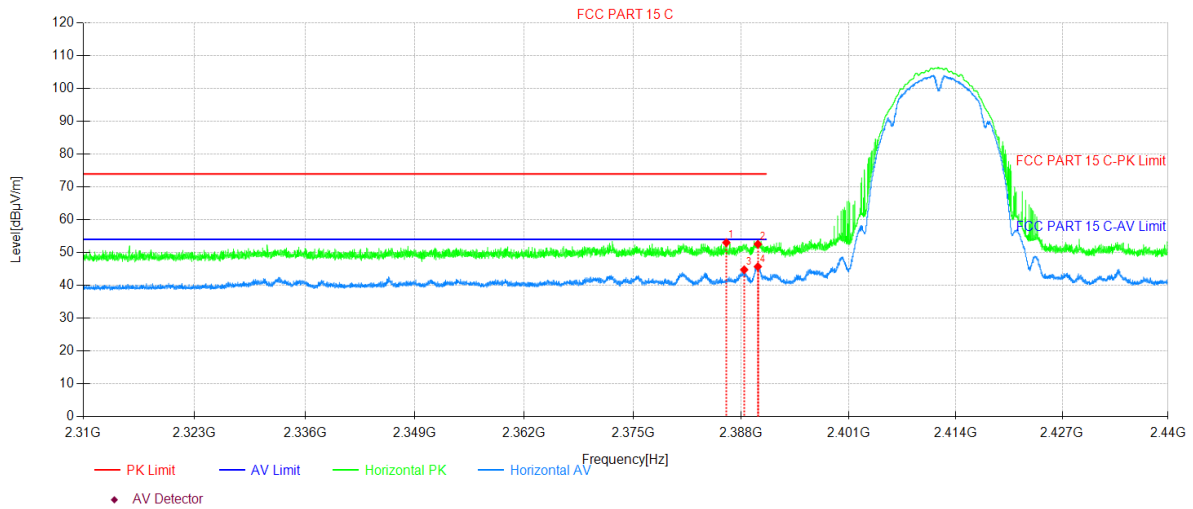
Tel: +86-755-28230888

Fax: +86-755-28230886

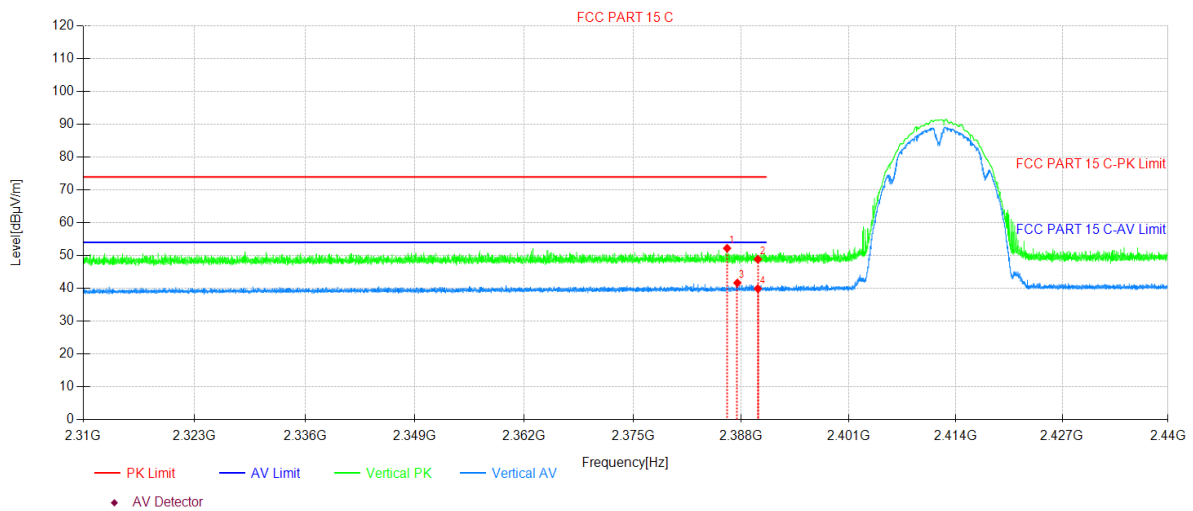
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**A.6 BAND EDGE MEASUREMENTS (RADIATED)****IEEE 802.11b \_ Lowest Channel:****Test Graph****Data List**

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity   | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|------------|---------|
| 1   | 2386.2136   | 53.84          | -0.81                 | 53.03          | 74.00          | 20.97       | 150         | 11        | PK       | Horizontal | PASS    |
| 2   | 2390.01     | 53.35          | -0.80                 | 52.55          | 74.00          | 21.45       | 150         | 24        | PK       | Horizontal | PASS    |
| 3   | 2388.3588   | 45.56          | -0.80                 | 44.76          | 54.00          | 9.24        | 150         | 11        | AV       | Horizontal | PASS    |
| 4   | 2390.01     | 46.50          | -0.80                 | 45.70          | 54.00          | 8.30        | 150         | 11        | AV       | Horizontal | PASS    |

**Test Graph****Data List**

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|----------|---------|
| 1   | 2386.3046   | 53.03          | -0.81                 | 52.22          | 74.00          | 21.78       | 150         | 177       | PK       | Vertical | PASS    |
| 2   | 2390.01     | 49.67          | -0.80                 | 48.87          | 74.00          | 25.13       | 150         | 168       | PK       | Vertical | PASS    |
| 3   | 2387.5398   | 42.46          | -0.80                 | 41.66          | 54.00          | 12.34       | 150         | 177       | AV       | Vertical | PASS    |
| 4   | 2390.01     | 40.71          | -0.80                 | 39.91          | 54.00          | 14.09       | 150         | 177       | AV       | Vertical | PASS    |

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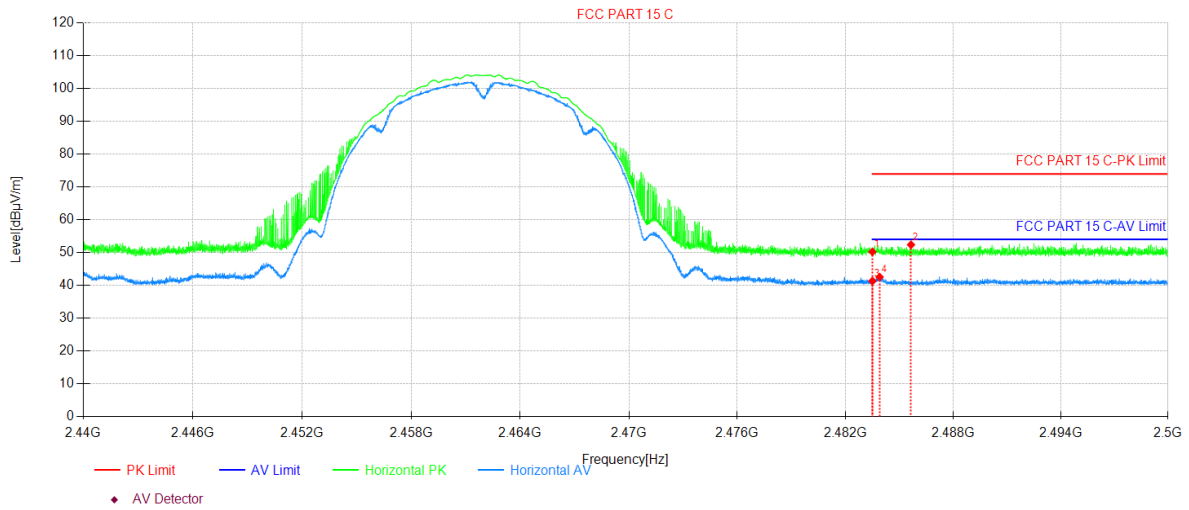
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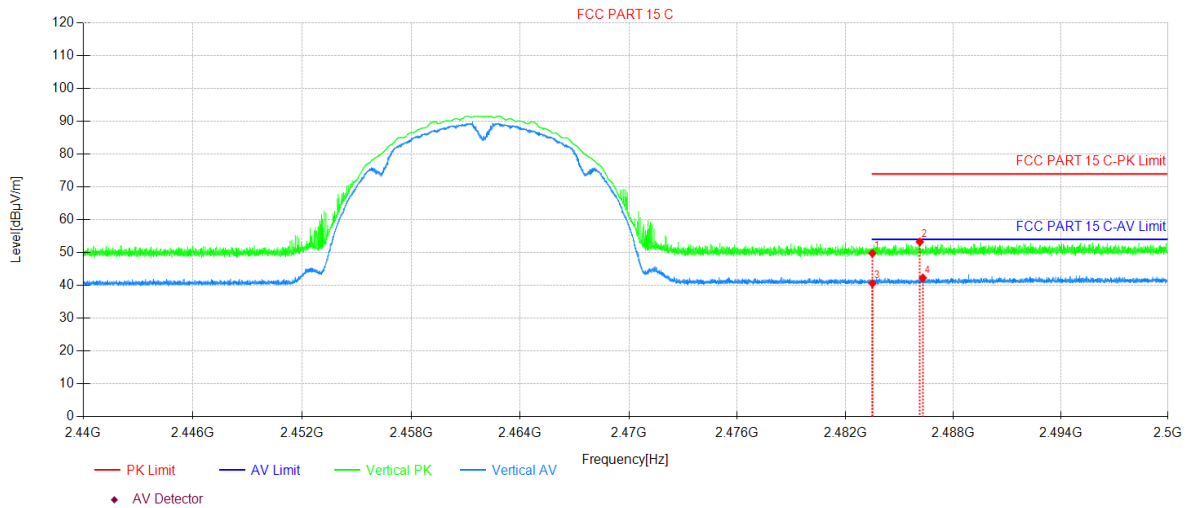
# IEEE 802.11b \_ Highest Channel: Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity   | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|------------|---------|
| 1   | 2483.5044   | 50.53          | -0.29                 | 50.24          | 74.00          | 23.76       | 150         | 29        | PK       | Horizontal | PASS    |
| 2   | 2485.6526   | 52.65          | -0.27                 | 52.38          | 74.00          | 21.62       | 150         | 170       | PK       | Horizontal | PASS    |
| 3   | 2483.5044   | 41.62          | -0.29                 | 41.33          | 54.00          | 12.67       | 150         | 40        | AV       | Horizontal | PASS    |
| 4   | 2483.9064   | 42.81          | -0.28                 | 42.53          | 54.00          | 11.47       | 150         | 13        | AV       | Horizontal | PASS    |

## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|----------|---------|
| 1   | 2483.5044   | 50.05          | -0.29                 | 49.76          | 74.00          | 24.24       | 150         | 124       | PK       | Vertical | PASS    |
| 2   | 2486.1446   | 53.53          | -0.27                 | 53.26          | 74.00          | 20.74       | 150         | 168       | PK       | Vertical | PASS    |
| 3   | 2483.5044   | 40.88          | -0.29                 | 40.59          | 54.00          | 13.41       | 150         | 99        | AV       | Vertical | PASS    |
| 4   | 2486.3126   | 42.55          | -0.26                 | 42.29          | 54.00          | 11.71       | 150         | 168       | AV       | Vertical | PASS    |

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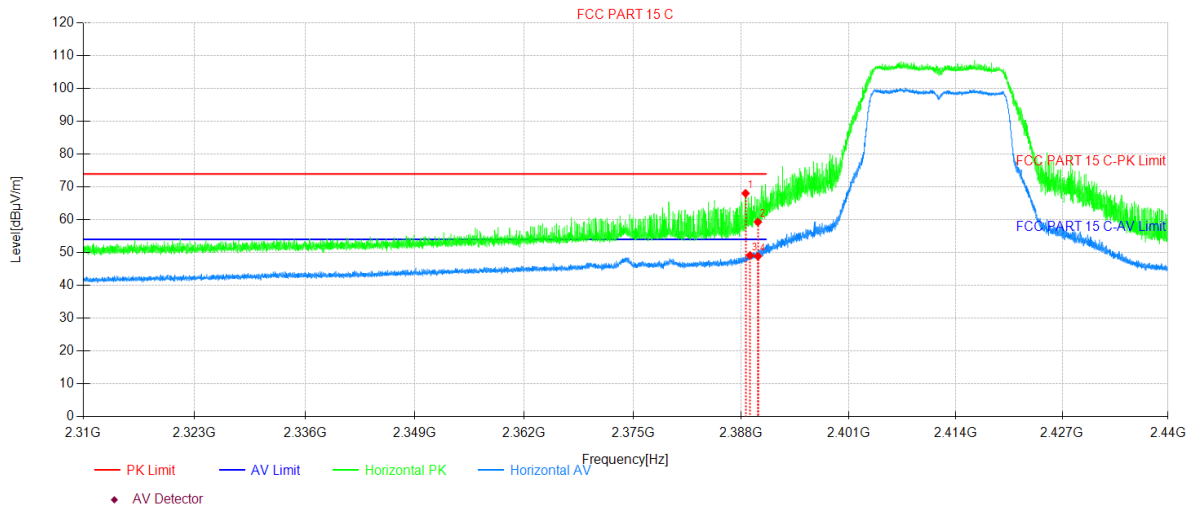
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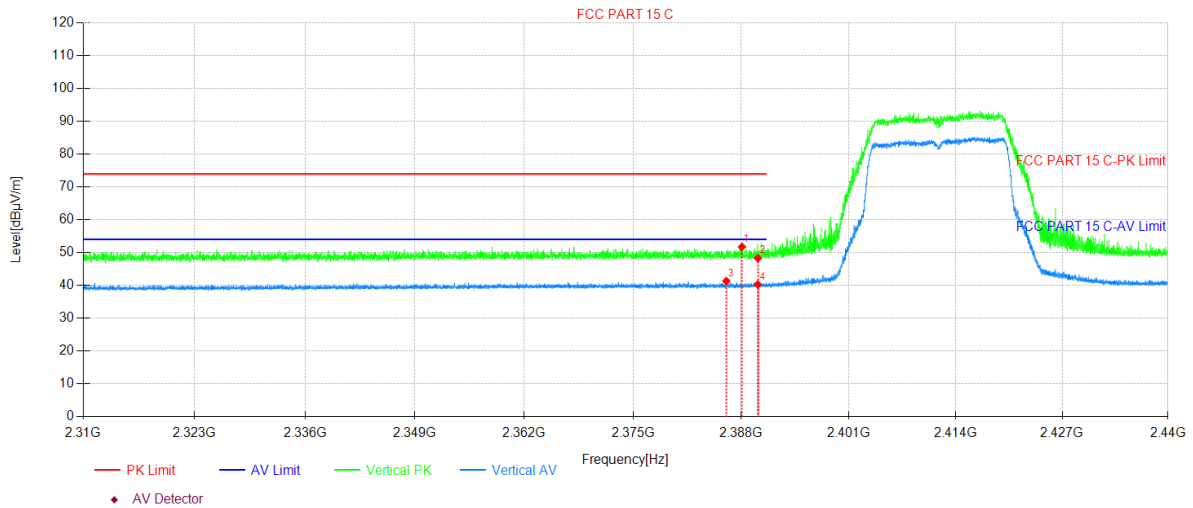
# IEEE 802.11g \_ Lowest Channel: Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity   | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|------------|---------|
| 1   | 2388.5279   | 68.86          | -0.80                 | 68.06          | 74.00          | 5.94        | 150         | 24        | PK       | Horizontal | PASS    |
| 2   | 2390.01     | 60.13          | -0.80                 | 59.33          | 74.00          | 14.67       | 150         | 24        | PK       | Horizontal | PASS    |
| 3   | 2389.0739   | 49.94          | -0.80                 | 49.14          | 54.00          | 4.86        | 150         | 24        | AV       | Horizontal | PASS    |
| 4   | 2390.01     | 49.66          | -0.80                 | 48.86          | 54.00          | 5.14        | 150         | 11        | AV       | Horizontal | PASS    |

## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|----------|---------|
| 1   | 2388.0988   | 52.56          | -0.80                 | 51.76          | 74.00          | 22.24       | 150         | 21        | PK       | Vertical | PASS    |
| 2   | 2390.01     | 49.11          | -0.80                 | 48.31          | 74.00          | 25.69       | 150         | 168       | PK       | Vertical | PASS    |
| 3   | 2386.2136   | 42.10          | -0.81                 | 41.29          | 54.00          | 12.71       | 150         | 102       | AV       | Vertical | PASS    |
| 4   | 2390.01     | 41.06          | -0.80                 | 40.26          | 54.00          | 13.74       | 150         | 157       | AV       | Vertical | PASS    |

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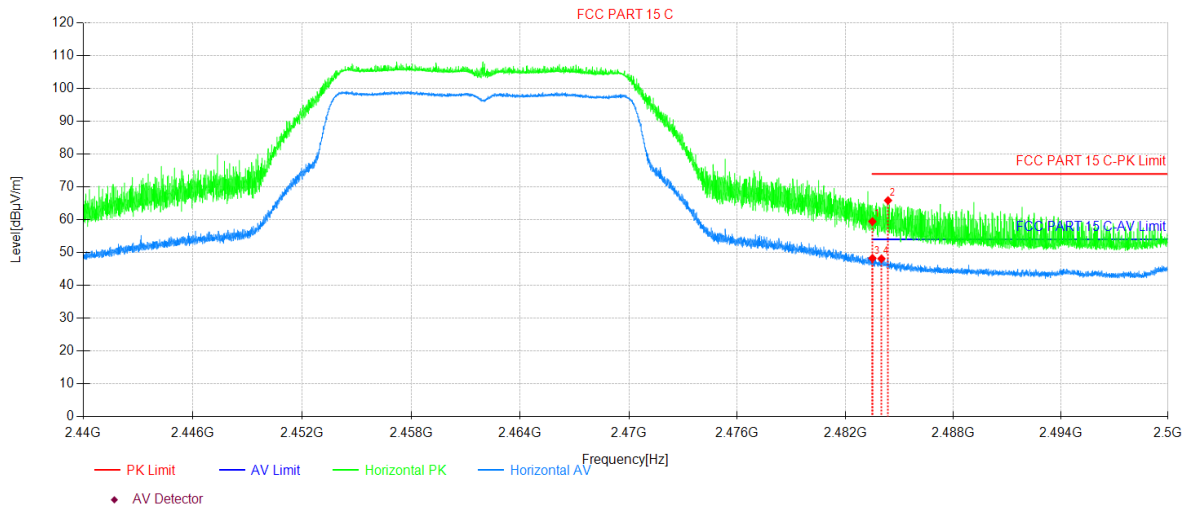
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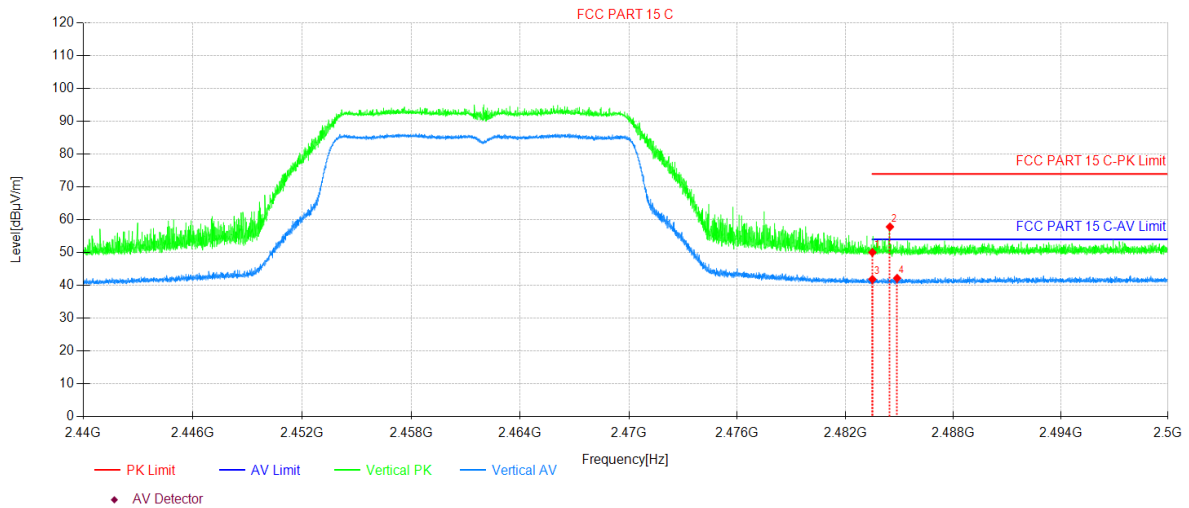
# IEEE 802.11g \_ Highest Channel: Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity   | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|------------|---------|
| 1   | 2483.5044   | 59.77          | -0.29                 | 59.48          | 74.00          | 14.52       | 150         | 11        | PK       | Horizontal | PASS    |
| 2   | 2484.3744   | 66.16          | -0.28                 | 65.88          | 74.00          | 8.12        | 150         | 36        | PK       | Horizontal | PASS    |
| 3   | 2483.5044   | 48.56          | -0.29                 | 48.27          | 54.00          | 5.73        | 150         | 2         | AV       | Horizontal | PASS    |
| 4   | 2484.0084   | 48.41          | -0.28                 | 48.13          | 54.00          | 5.87        | 150         | 2         | AV       | Horizontal | PASS    |

## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|----------|---------|
| 1   | 2483.5044   | 50.36          | -0.29                 | 50.07          | 74.00          | 23.93       | 150         | 48        | PK       | Vertical | PASS    |
| 2   | 2484.4824   | 58.13          | -0.28                 | 57.85          | 74.00          | 16.15       | 150         | 0         | PK       | Vertical | PASS    |
| 3   | 2483.5044   | 42.16          | -0.29                 | 41.87          | 54.00          | 12.13       | 150         | 94        | AV       | Vertical | PASS    |
| 4   | 2484.8845   | 42.45          | -0.27                 | 42.18          | 54.00          | 11.82       | 150         | 168       | AV       | Vertical | PASS    |

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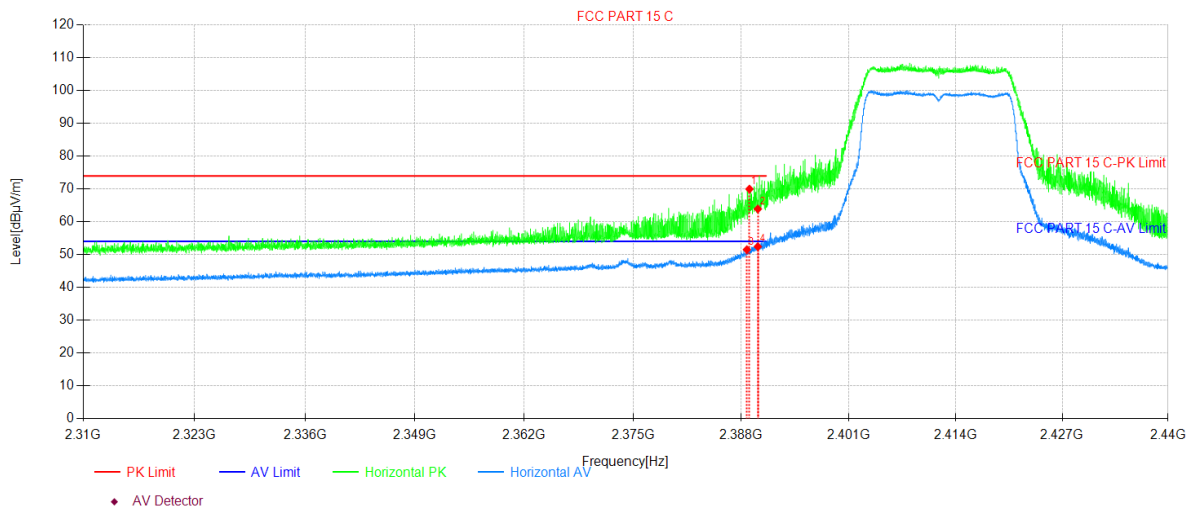
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## IEEE 802.11n-HT20 \_ Lowest Channel:

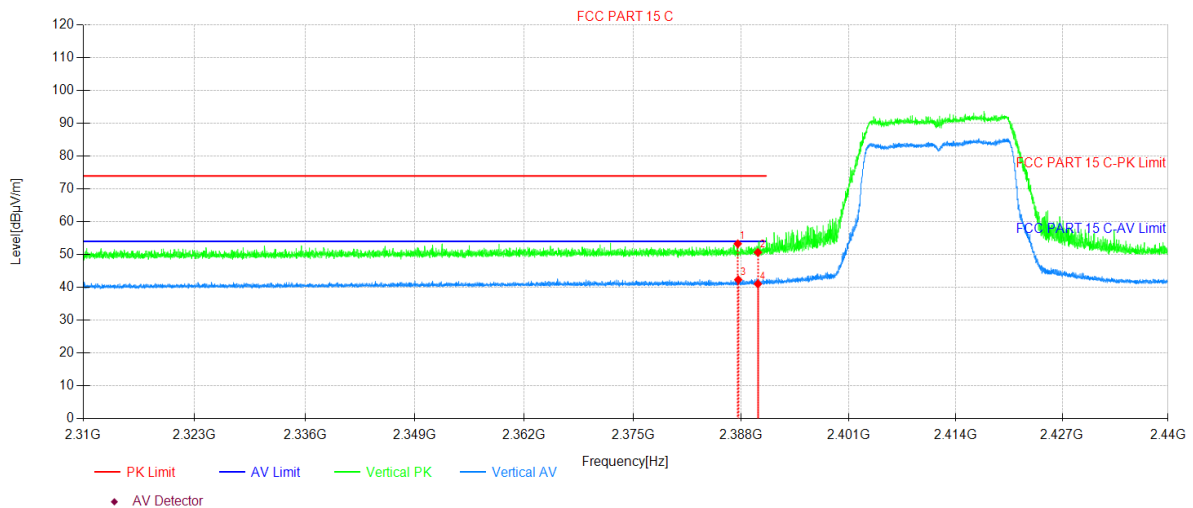
## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity   | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|------------|---------|
| 1   | 2388.9959   | 70.79          | -0.80                 | 69.99          | 74.00          | 4.01        | 150         | 358       | PK       | Horizontal | PASS    |
| 2   | 2390.01     | 64.71          | -0.80                 | 63.91          | 74.00          | 10.09       | 150         | 358       | PK       | Horizontal | PASS    |
| 3   | 2388.6839   | 52.31          | -0.80                 | 51.51          | 54.00          | 2.49        | 150         | 12        | AV       | Horizontal | PASS    |
| 4   | 2390.01     | 53.21          | -0.80                 | 52.41          | 54.00          | 1.59        | 150         | 360       | AV       | Horizontal | PASS    |

## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|----------|---------|
| 1   | 2387.5918   | 54.09          | -0.80                 | 53.29          | 74.00          | 20.71       | 150         | 196       | PK       | Vertical | PASS    |
| 2   | 2390.01     | 51.46          | -0.80                 | 50.66          | 74.00          | 23.34       | 150         | 326       | PK       | Vertical | PASS    |
| 3   | 2387.6438   | 43.13          | -0.80                 | 42.33          | 54.00          | 11.67       | 150         | 196       | AV       | Vertical | PASS    |
| 4   | 2390.01     | 41.84          | -0.80                 | 41.04          | 54.00          | 12.96       | 150         | 105       | AV       | Vertical | PASS    |

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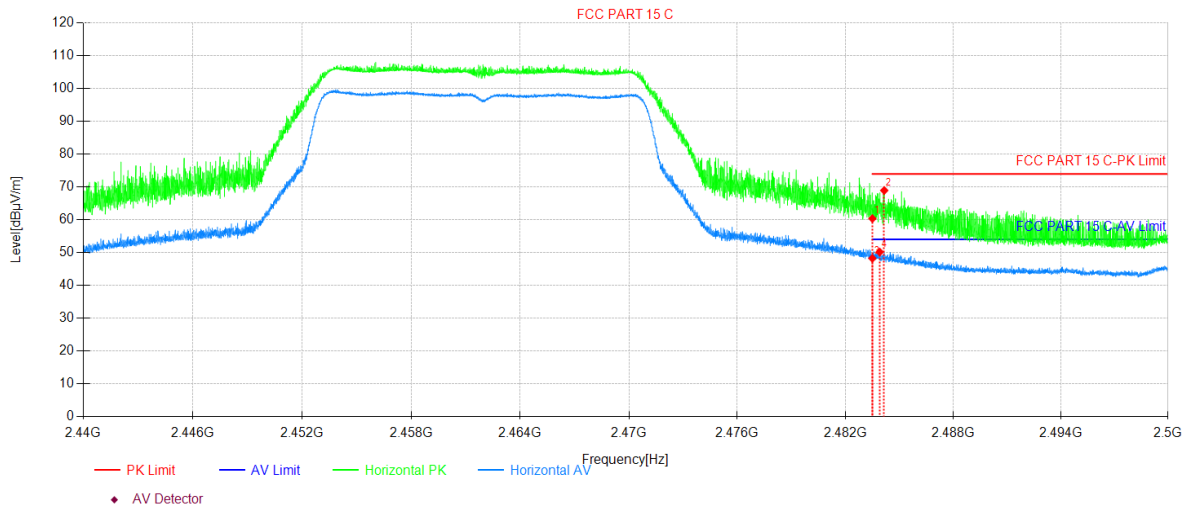
E-mail: info@uttlab.com

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# IEEE 802.11n-HT20 \_ Highest Channel:

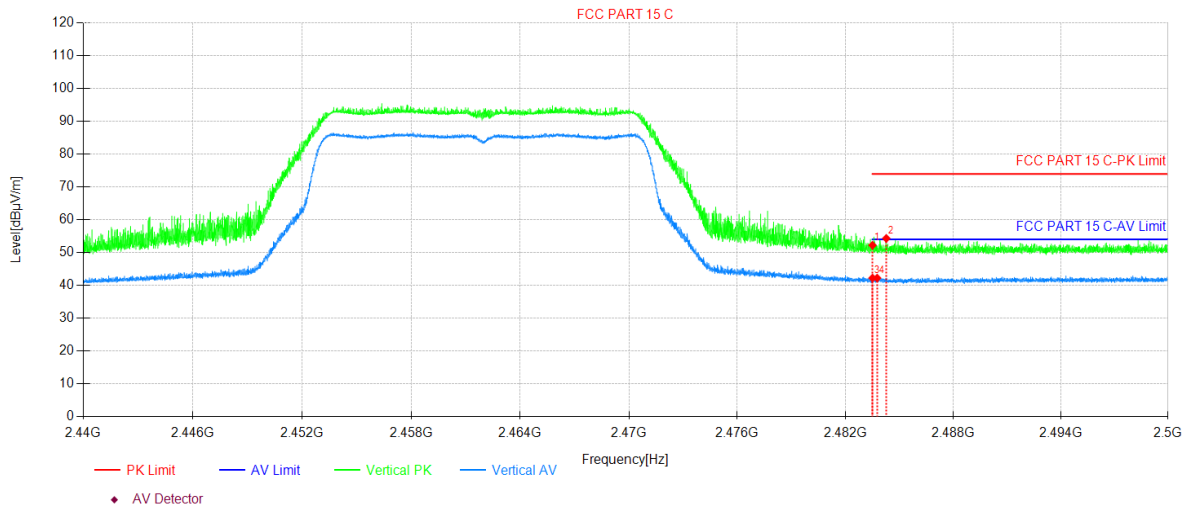
## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity   | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|------------|---------|
| 1   | 2483.5044   | 60.66          | -0.29                 | 60.37          | 74.00          | 13.63       | 150         | 3         | PK       | Horizontal | PASS    |
| 2   | 2484.1644   | 69.22          | -0.28                 | 68.94          | 74.00          | 5.06        | 150         | 350       | PK       | Horizontal | PASS    |
| 3   | 2483.5044   | 48.53          | -0.29                 | 48.24          | 54.00          | 5.76        | 150         | 358       | AV       | Horizontal | PASS    |
| 4   | 2483.9124   | 50.44          | -0.28                 | 50.16          | 54.00          | 3.84        | 150         | 3         | AV       | Horizontal | PASS    |

## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|----------|---------|
| 1   | 2483.5104   | 52.52          | -0.29                 | 52.23          | 74.00          | 21.77       | 150         | 187       | PK       | Vertical | PASS    |
| 2   | 2484.2784   | 54.60          | -0.28                 | 54.32          | 74.00          | 19.68       | 150         | 21        | PK       | Vertical | PASS    |
| 3   | 2483.5104   | 42.53          | -0.29                 | 42.24          | 54.00          | 11.76       | 150         | 216       | AV       | Vertical | PASS    |
| 4   | 2483.7684   | 42.50          | -0.28                 | 42.22          | 54.00          | 11.78       | 150         | 227       | AV       | Vertical | PASS    |

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