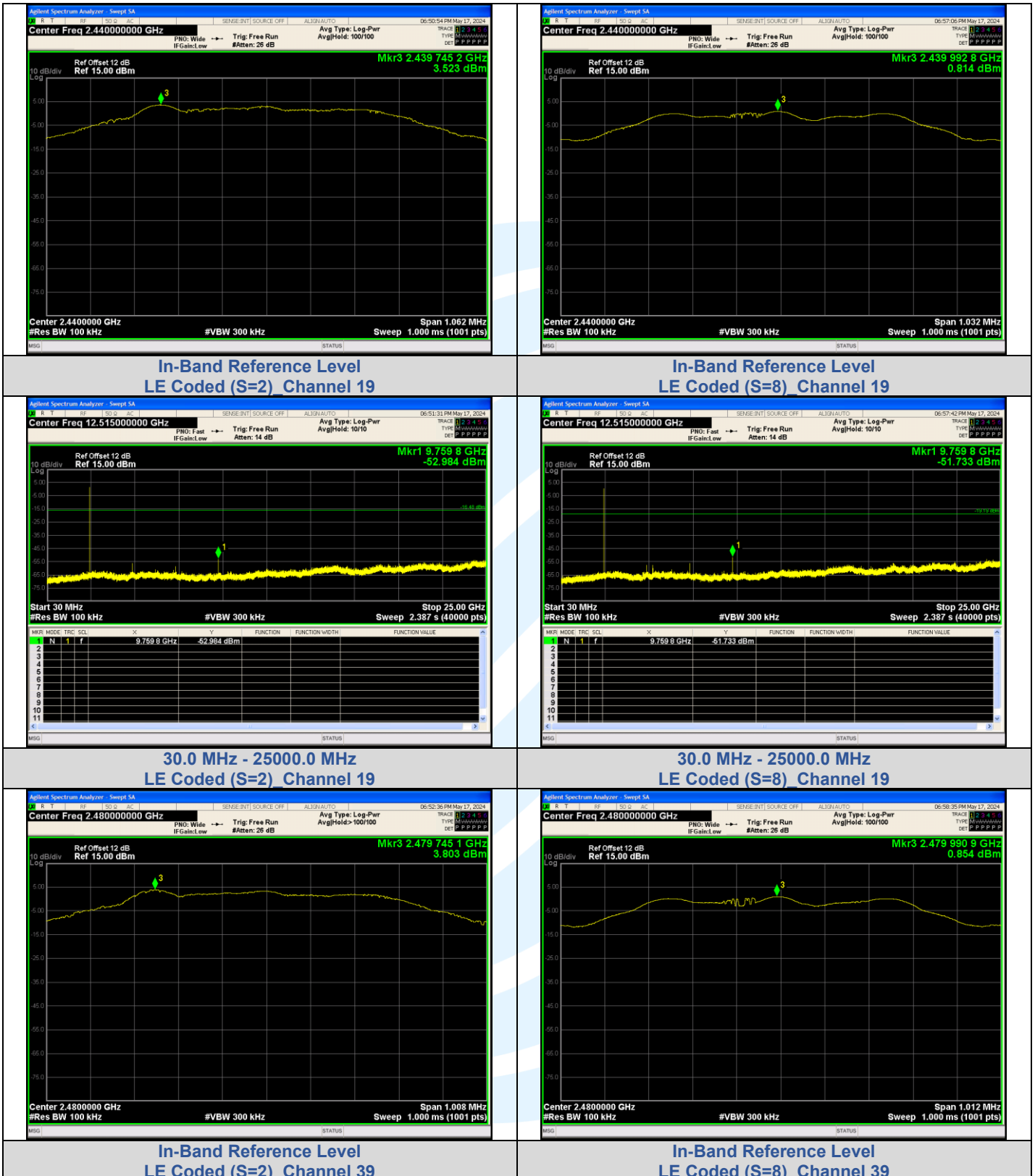
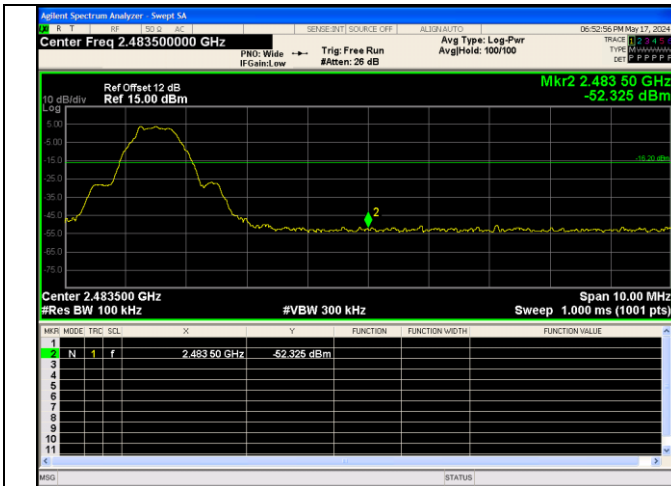
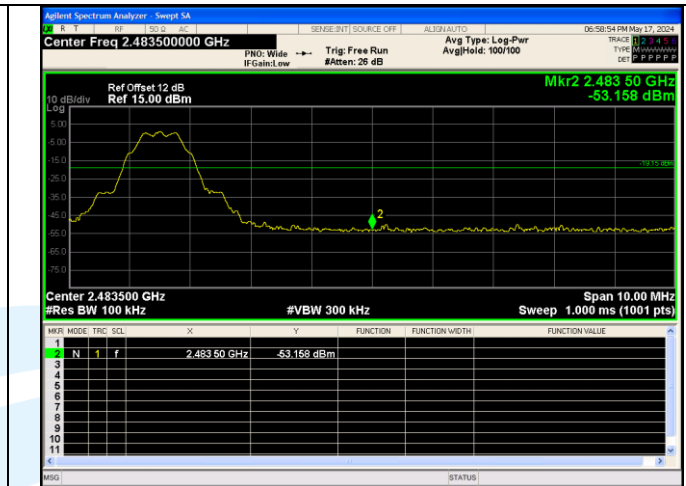


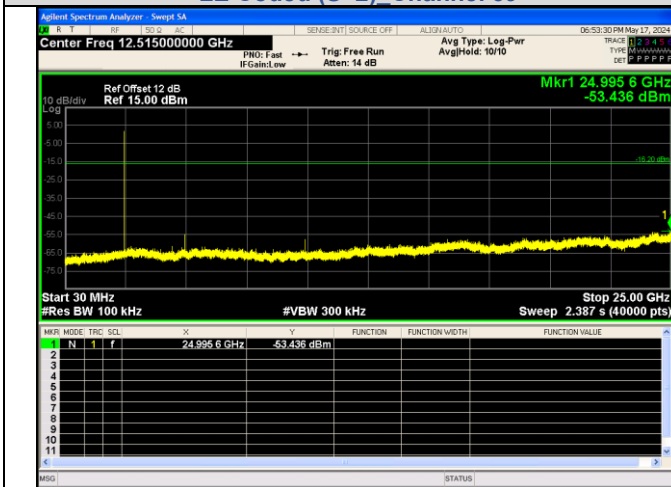




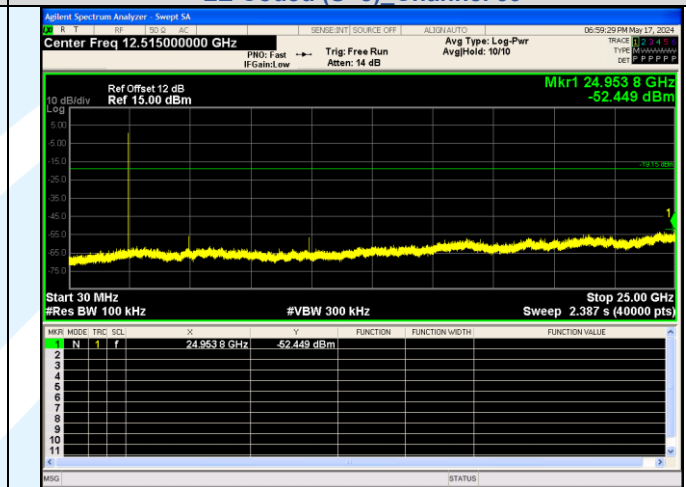
Out Of Band Emission  
LE Coded (S=2) Channel 39



Out Of Band Emission  
LE Coded (S=8) Channel 39



30.0 MHz - 25000.0 MHz  
LE Coded (S=2) Channel 39



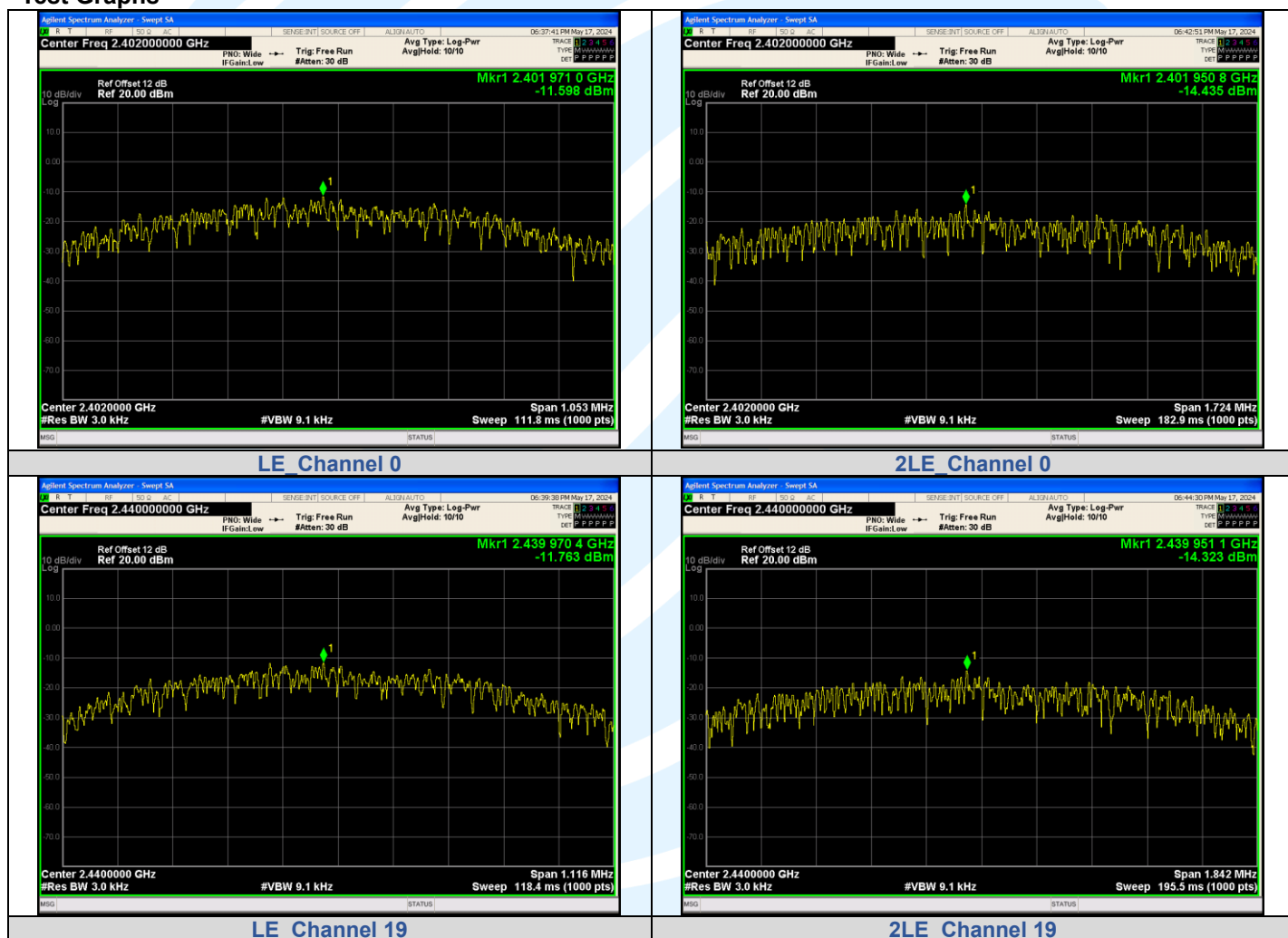
30.0 MHz - 25000.0 MHz  
LE Coded (S=8) Channel 39

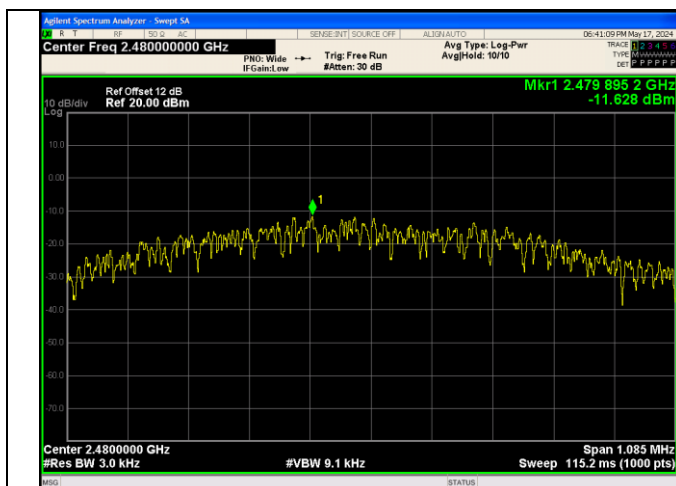
## A.4 POWER SPECTRAL DENSITY

## Test Result

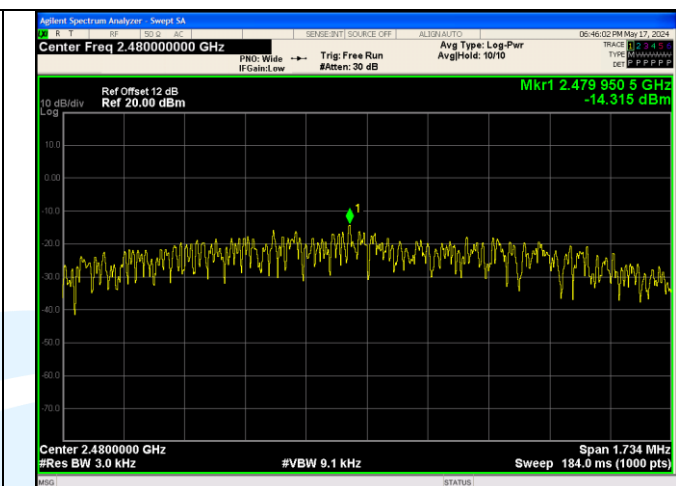
| Mode           | Channel | PSD (dBm/3kHz) | Limit (dBm/3kHz) | Result |
|----------------|---------|----------------|------------------|--------|
| LE             | 0       | -11.598        | 8                | PASS   |
| LE             | 19      | -11.763        | 8                | PASS   |
| LE             | 39      | -11.628        | 8                | PASS   |
| 2LE            | 0       | -14.435        | 8                | PASS   |
| 2LE            | 19      | -14.323        | 8                | PASS   |
| 2LE            | 39      | -14.315        | 8                | PASS   |
| LE Coded (S=2) | 0       | -2.651         | 8                | PASS   |
| LE Coded (S=2) | 19      | -2.894         | 8                | PASS   |
| LE Coded (S=2) | 39      | -2.623         | 8                | PASS   |
| LE Coded (S=8) | 0       | -2.446         | 8                | PASS   |
| LE Coded (S=8) | 19      | -2.656         | 8                | PASS   |
| LE Coded (S=8) | 39      | -2.373         | 8                | PASS   |

## Test Graphs

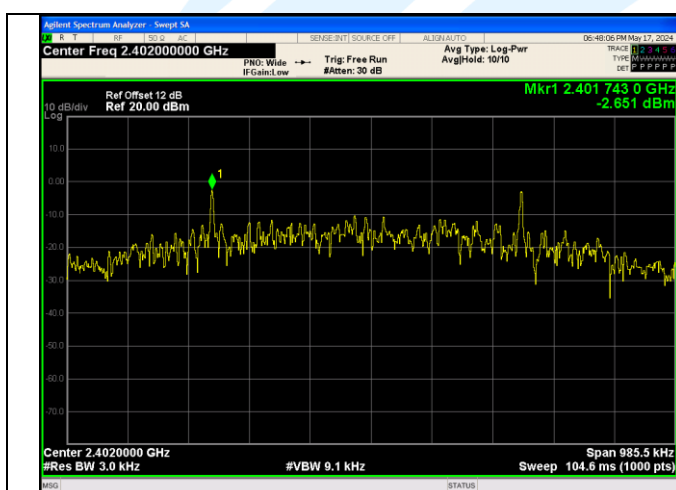




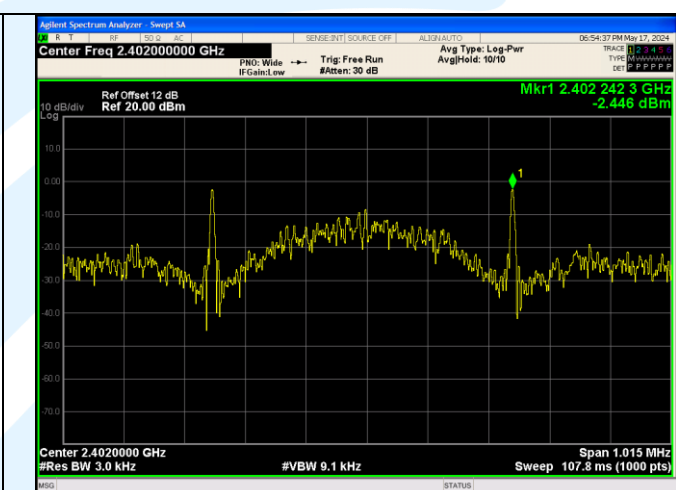
LE\_Channel 39



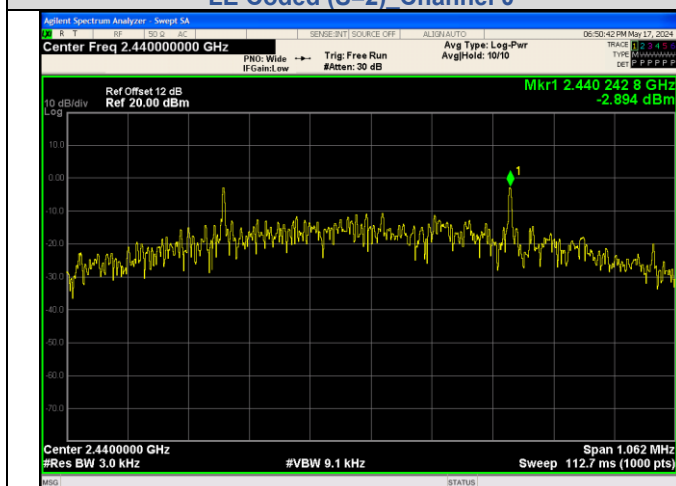
2LE\_Channel 39



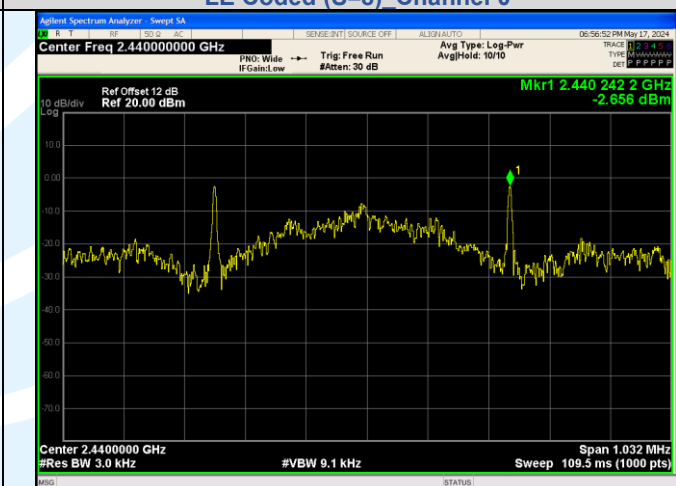
LE Coded (S=2)\_Channel 0



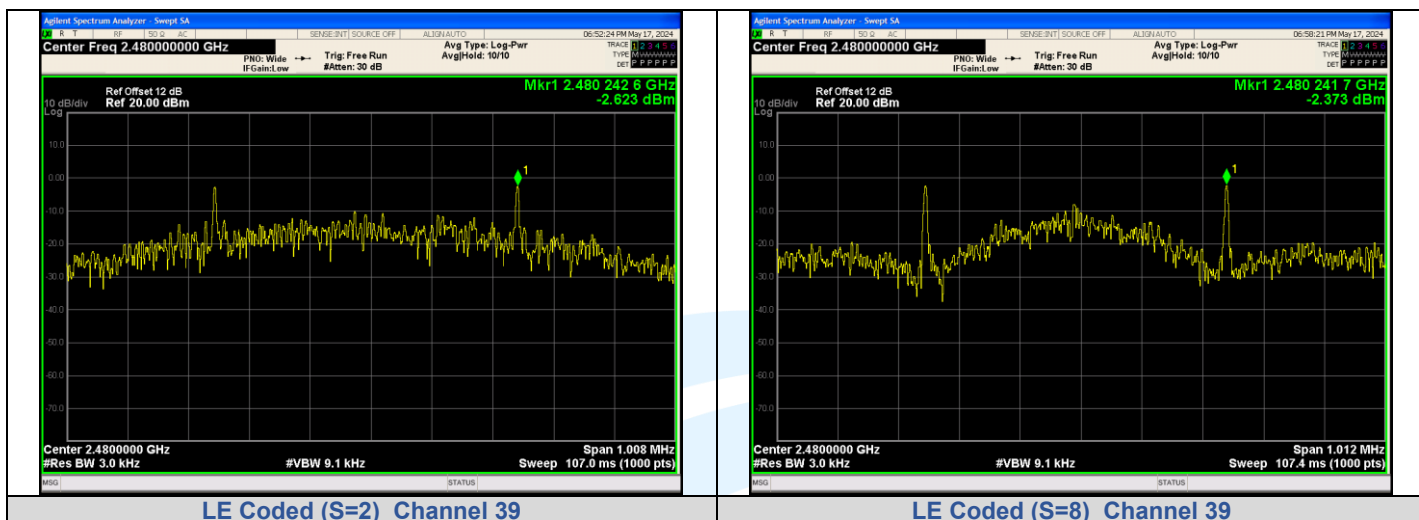
LE Coded (S=8)\_Channel 0



LE Coded (S=2)\_Channel 19



LE Coded (S=8)\_Channel 19



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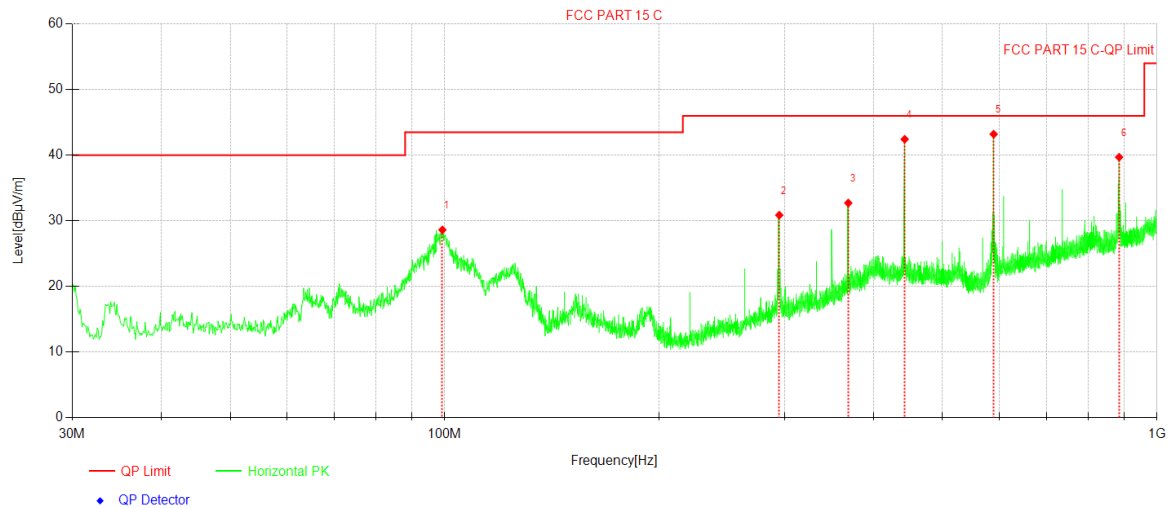
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## A.5 RADIATED SPURIOUS EMISSIONS

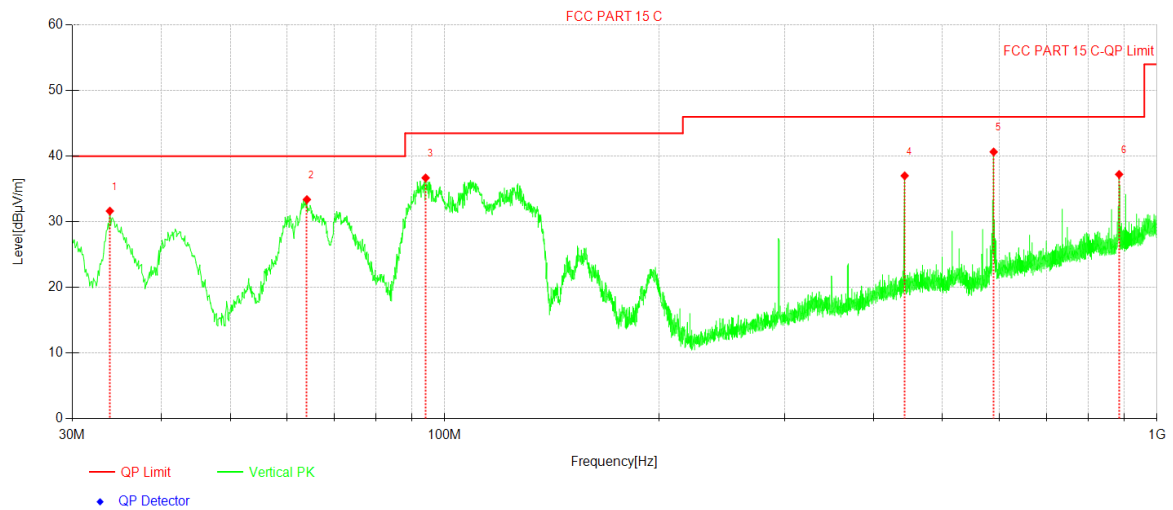
### Radiated Emission Test Data (30 MHz ~ 1 GHz): Worst-Case Configuration(LE Code (S=8)\_Channel 0)

#### Horizontal



| No. | Frequency (MHz) | Reading (dBuV) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|------------------------|-----------------|----------------|-------------|----------|
| 1   | 99.2649         | 41.36          | -12.75                 | 28.61           | 43.50          | 14.89       | Peak     |
| 2   | 294.9335        | 37.98          | -7.12                  | 30.86           | 46.00          | 15.14       | Peak     |
| 3   | 368.6609        | 37.92          | -5.21                  | 32.71           | 46.00          | 13.29       | Peak     |
| 4   | 442.3882        | 45.43          | -2.99                  | 42.44           | 46.00          | 3.56        | Peak     |
| 5   | 589.843         | 43.60          | -0.39                  | 43.21           | 46.00          | 2.79        | Peak     |
| 6   | 884.7525        | 35.03          | 4.67                   | 39.70           | 46.00          | 6.30        | Peak     |

## Vertical



| No. | Frequency (MHz) | Reading (dBuV) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|------------------------|-----------------|----------------|-------------|----------|
| 1   | 33.8804         | 41.05          | -9.41                  | 31.64           | 40.00          | 8.36        | Peak     |
| 2   | 64.0504         | 42.62          | -9.23                  | 33.39           | 40.00          | 6.61        | Peak     |
| 3   | 94.0264         | 50.19          | -13.50                 | 36.69           | 43.50          | 6.81        | Peak     |
| 4   | 442.3882        | 40.01          | -2.99                  | 37.02           | 46.00          | 8.98        | Peak     |
| 5   | 589.843         | 41.05          | -0.39                  | 40.66           | 46.00          | 5.34        | Peak     |
| 6   | 884.7525        | 32.56          | 4.67                   | 37.23           | 46.00          | 8.77        | Peak     |

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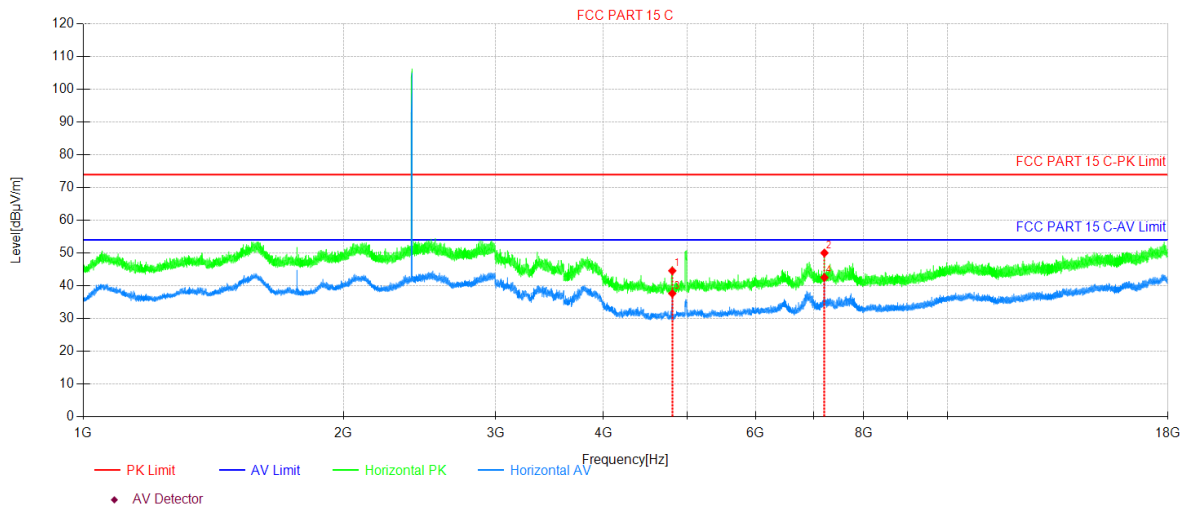
E-mail: info@uttlab.com

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## Radiated Emission Test Data (Above 1GHz):

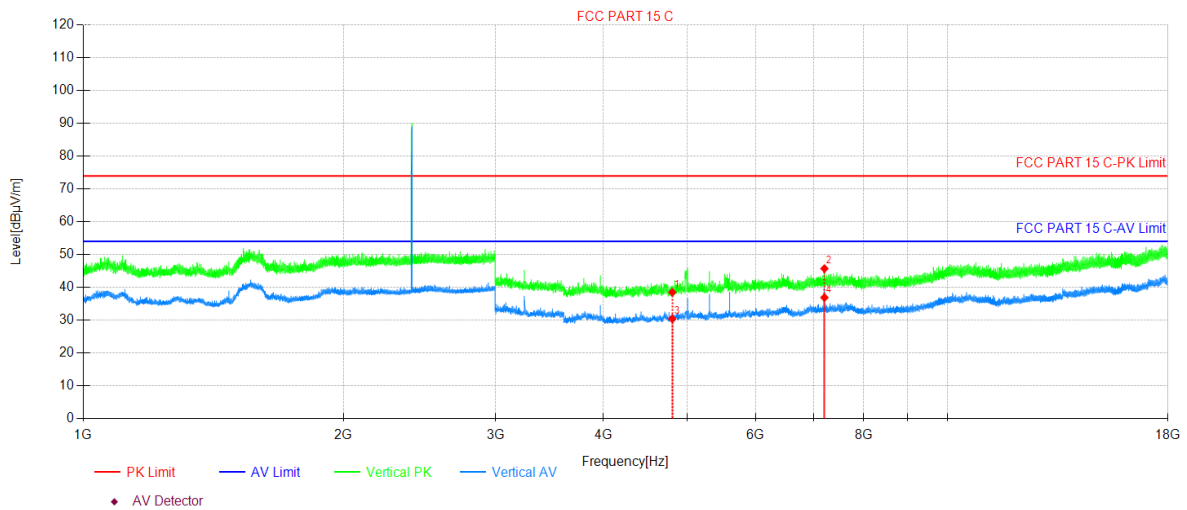
### LE\_ Lowest Channel: Test Graph



#### 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   | 4804.5902   | 49.19          | -4.61                 | 44.58          | 74.00          | 29.42       | 150         | 11        | PK       | Horizontal | PASS    |
| 2   | 7206.2103   | 51.80          | -1.76                 | 50.04          | 74.00          | 23.96       | 150         | 2         | PK       | Horizontal | PASS    |
| 3   | 4804.5902   | 42.27          | -4.61                 | 37.66          | 54.00          | 16.34       | 150         | 11        | AV       | Horizontal | PASS    |
| 4   | 7206.2103   | 44.28          | -1.76                 | 42.52          | 54.00          | 11.48       | 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   | 4804.5902   | 43.10          | -4.61                 | 38.49          | 74.00          | 35.51       | 150         | 69        | PK       | Vertical | PASS    |
| 2   | 7206.2103   | 47.49          | -1.76                 | 45.73          | 74.00          | 28.27       | 150         | 82        | PK       | Vertical | PASS    |
| 3   | 4804.5902   | 35.04          | -4.61                 | 30.43          | 54.00          | 23.57       | 150         | 3         | AV       | Vertical | PASS    |
| 4   | 7206.2103   | 38.65          | -1.76                 | 36.89          | 54.00          | 17.11       | 150         | 138       | AV       | Vertical | PASS    |

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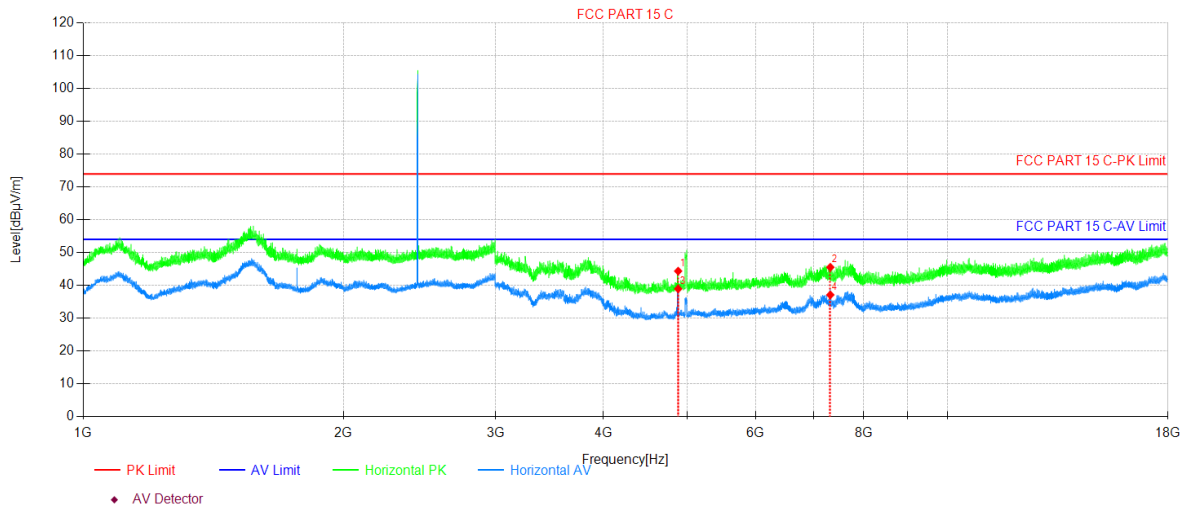
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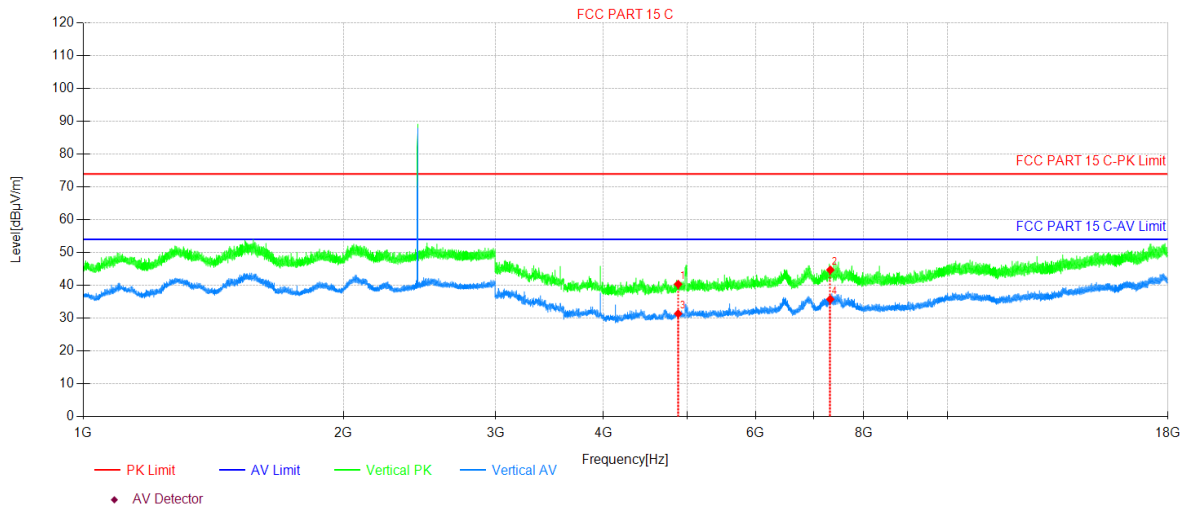
### LE\_Middle Channe: Test Graph



#### 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   | 4880.344    | 49.06          | -4.71                 | 44.35          | 74.00          | 29.65       | 150         | 3         | PK       | Horizontal | PASS    |
| 2   | 7320.216    | 47.01          | -1.49                 | 45.52          | 74.00          | 28.48       | 150         | 14        | PK       | Horizontal | PASS    |
| 3   | 4880.344    | 43.63          | -4.71                 | 38.92          | 54.00          | 15.08       | 150         | 3         | AV       | Horizontal | PASS    |
| 4   | 7320.216    | 38.58          | -1.49                 | 37.09          | 54.00          | 16.91       | 150         | 42        | 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   | 4880.344    | 45.06          | -4.71                 | 40.35          | 74.00          | 33.65       | 150         | 157       | PK       | Vertical | PASS    |
| 2   | 7320.216    | 46.20          | -1.49                 | 44.71          | 74.00          | 29.29       | 150         | 142       | PK       | Vertical | PASS    |
| 3   | 4880.344    | 36.07          | -4.71                 | 31.36          | 54.00          | 22.64       | 150         | 31        | AV       | Vertical | PASS    |
| 4   | 7320.216    | 37.24          | -1.49                 | 35.75          | 54.00          | 18.25       | 150         | 87        | AV       | Vertical | PASS    |

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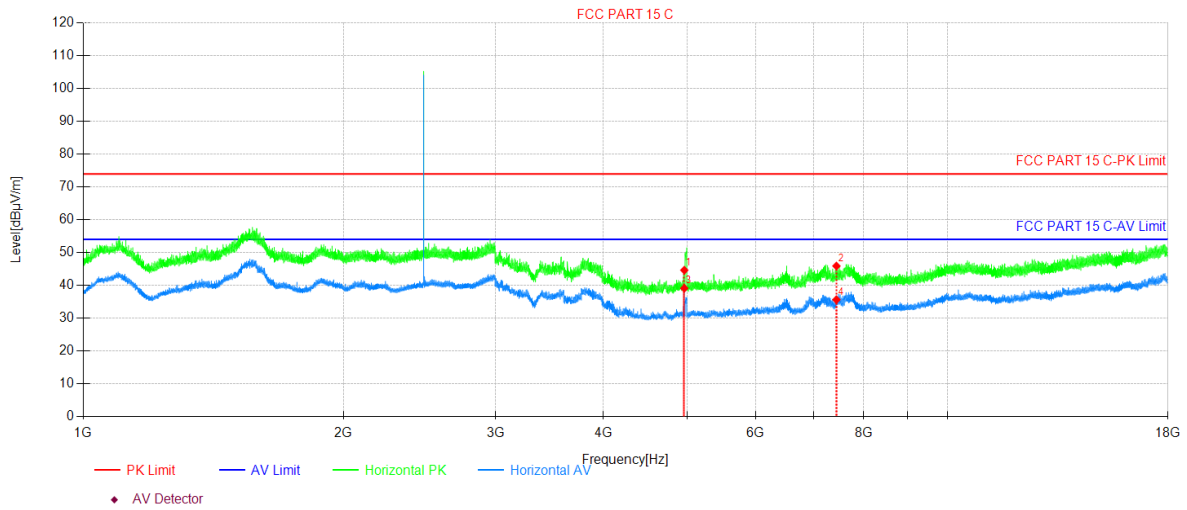
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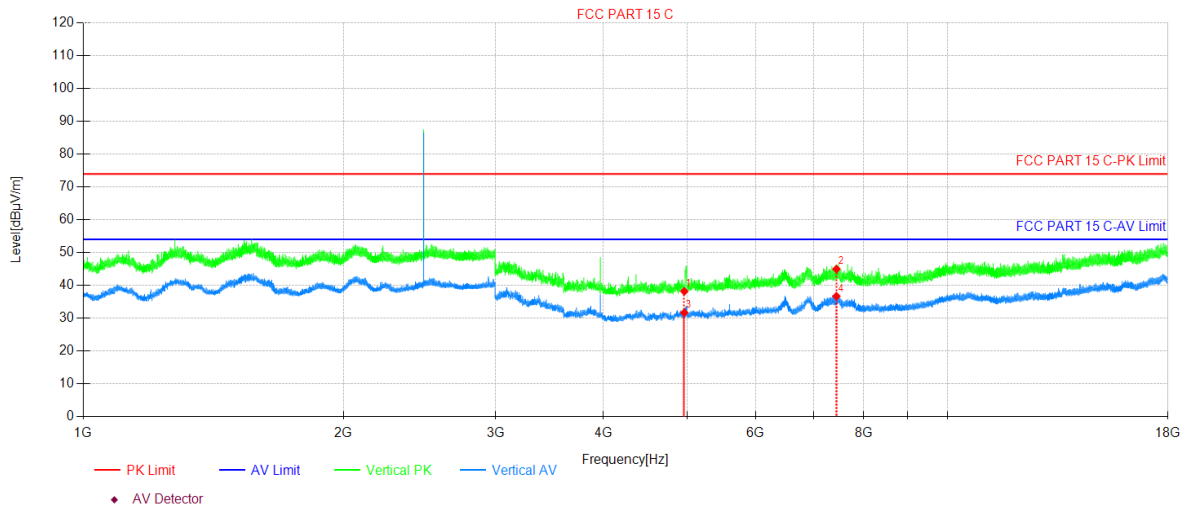
## LE\_Highest Channel Test Graph



### 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   | 4960.598    | 49.48          | -4.86                 | 44.62          | 74.00          | 29.38       | 150         | 3         | PK       | Horizontal | PASS    |
| 2   | 7440.222    | 47.23          | -1.34                 | 45.89          | 74.00          | 28.11       | 150         | 96        | PK       | Horizontal | PASS    |
| 3   | 4960.598    | 43.96          | -4.86                 | 39.10          | 54.00          | 14.90       | 150         | 15        | AV       | Horizontal | PASS    |
| 4   | 7440.222    | 36.96          | -1.34                 | 35.62          | 54.00          | 18.38       | 150         | 96        | 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   | 4960.598    | 43.04          | -4.86                 | 38.18          | 74.00          | 35.82       | 150         | 126       | PK       | Vertical | PASS    |
| 2   | 7440.222    | 46.31          | -1.34                 | 44.97          | 74.00          | 29.03       | 150         | 139       | PK       | Vertical | PASS    |
| 3   | 4960.598    | 36.49          | -4.86                 | 31.63          | 54.00          | 22.37       | 150         | 99        | AV       | Vertical | PASS    |
| 4   | 7440.222    | 38.02          | -1.34                 | 36.68          | 54.00          | 17.32       | 150         | 139       | AV       | Vertical | PASS    |

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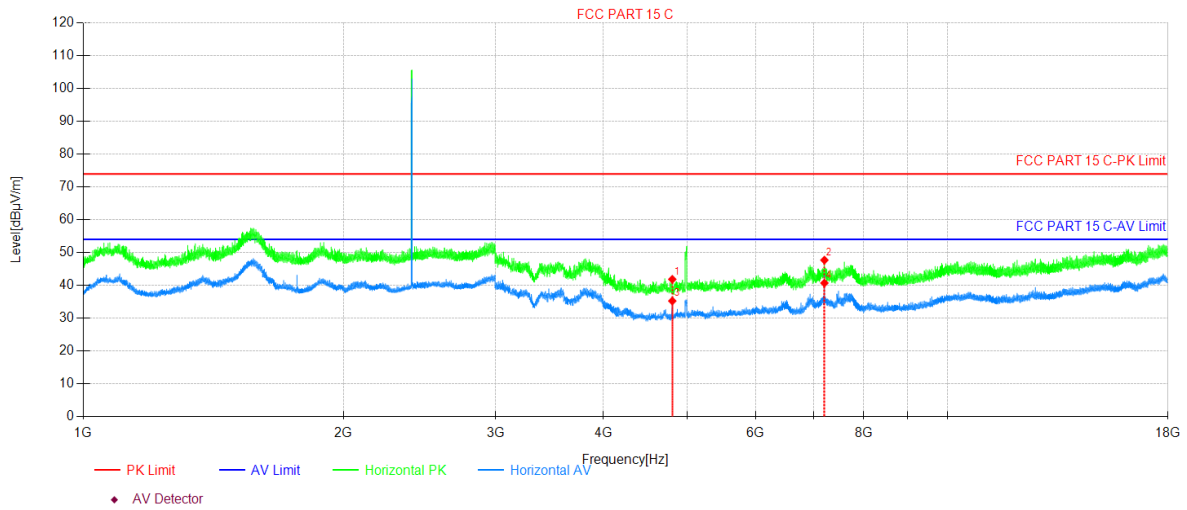
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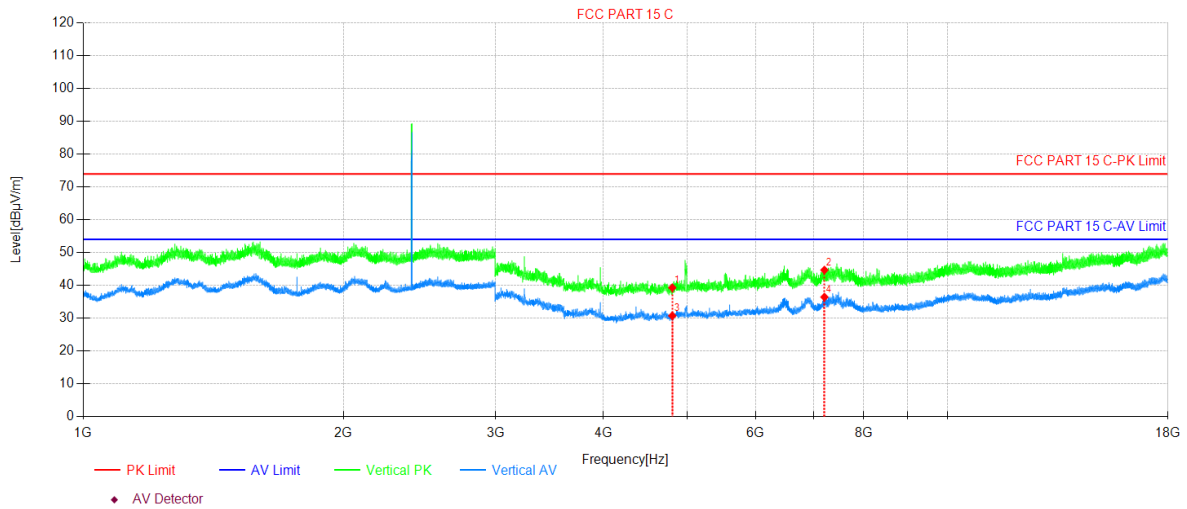
## 2LE\_Lowest Channel: Test Graph



### 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   | 4804.5902   | 46.45          | -4.61                 | 41.84          | 74.00          | 32.16       | 150         | 0         | PK       | Horizontal | PASS    |
| 2   | 7206.2103   | 49.46          | -1.76                 | 47.70          | 74.00          | 26.30       | 150         | 14        | PK       | Horizontal | PASS    |
| 3   | 4804.5902   | 39.85          | -4.61                 | 35.24          | 54.00          | 18.76       | 150         | 14        | AV       | Horizontal | PASS    |
| 4   | 7206.2103   | 42.46          | -1.76                 | 40.70          | 54.00          | 13.30       | 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   | 4804.5902   | 43.90          | -4.61                 | 39.29          | 74.00          | 34.71       | 150         | 12        | PK       | Vertical | PASS    |
| 2   | 7206.2103   | 46.43          | -1.76                 | 44.67          | 74.00          | 29.33       | 150         | 71        | PK       | Vertical | PASS    |
| 3   | 4804.5902   | 35.33          | -4.61                 | 30.72          | 54.00          | 23.28       | 150         | 96        | AV       | Vertical | PASS    |
| 4   | 7206.2103   | 38.18          | -1.76                 | 36.42          | 54.00          | 17.58       | 150         | 111       | AV       | Vertical | PASS    |

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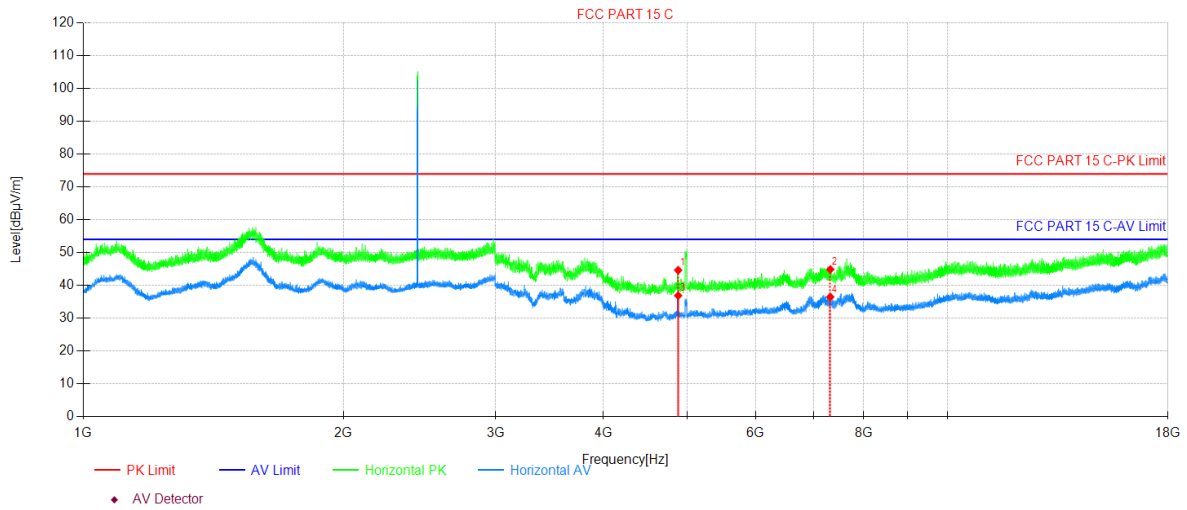
Tel: +86-755-28230888

Fax: +86-755-28230886

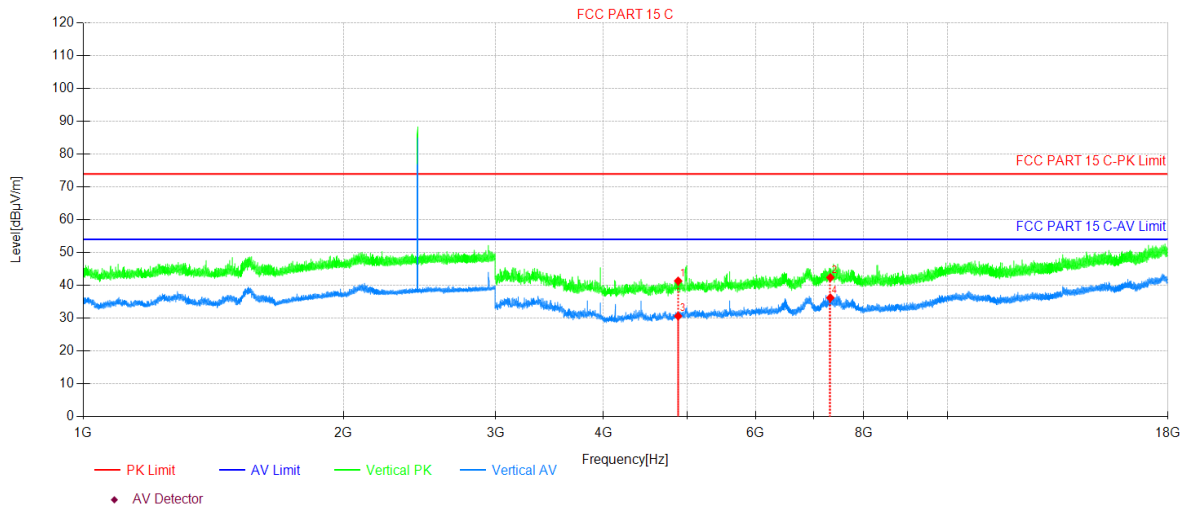
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**2LE\_Middle Channel:  
Test Graph****Data List**

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity   | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|------------|---------|
| 1   | 4880.344    | 49.33          | -4.71                 | 44.62          | 74.00          | 29.38       | 150         | 18        | PK       | Horizontal | PASS    |
| 2   | 7320.216    | 46.34          | -1.49                 | 44.85          | 74.00          | 29.15       | 150         | 99        | PK       | Horizontal | PASS    |
| 3   | 4880.344    | 41.58          | -4.71                 | 36.87          | 54.00          | 17.13       | 150         | 5         | AV       | Horizontal | PASS    |
| 4   | 7320.216    | 37.94          | -1.49                 | 36.45          | 54.00          | 17.55       | 150         | 99        | 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   | 4880.344    | 46.06          | -4.71                 | 41.35          | 74.00          | 32.65       | 150         | 96        | PK       | Vertical | PASS    |
| 2   | 7320.216    | 43.86          | -1.49                 | 42.37          | 74.00          | 31.63       | 150         | 124       | PK       | Vertical | PASS    |
| 3   | 4880.344    | 35.33          | -4.71                 | 30.62          | 54.00          | 23.38       | 150         | 82        | AV       | Vertical | PASS    |
| 4   | 7320.216    | 37.71          | -1.49                 | 36.22          | 54.00          | 17.78       | 150         | 124       | AV       | Vertical | PASS    |

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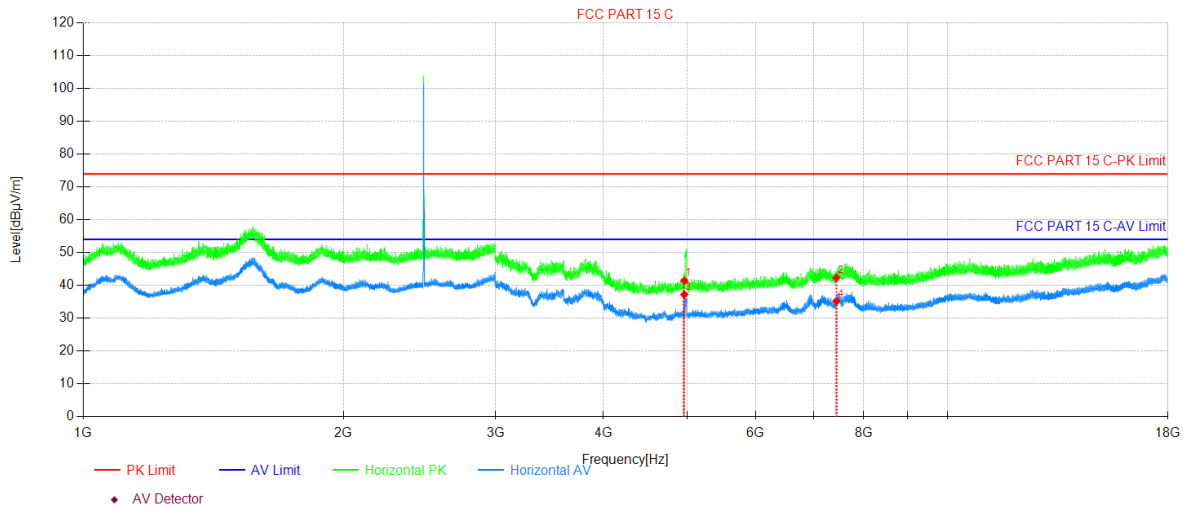
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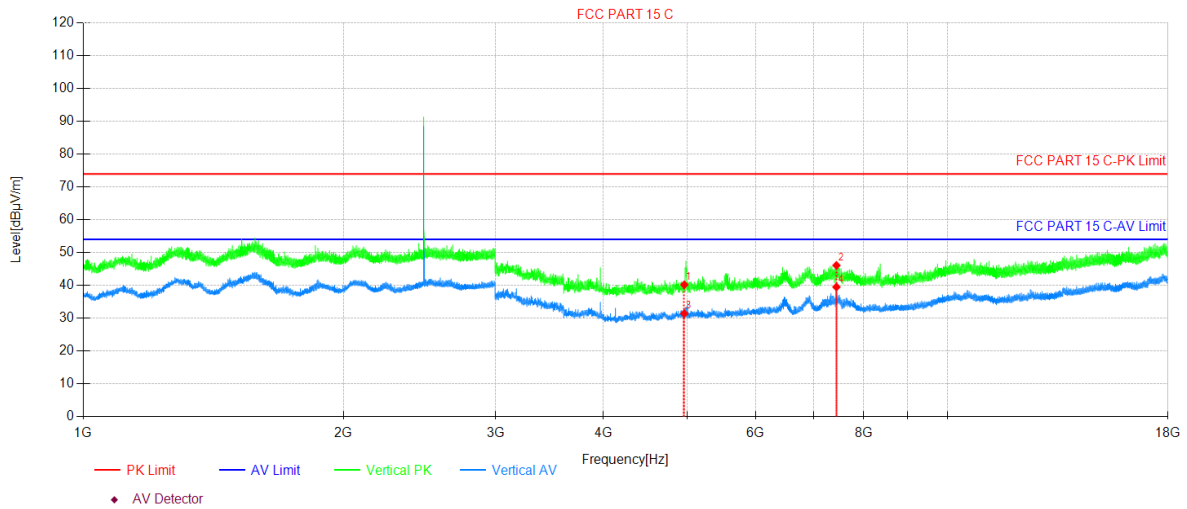
## 2LE\_Highest Channel: Test Graph



### 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   | 4960.598    | 46.30          | -4.86                 | 41.44          | 74.00          | 32.56       | 150         | 12        | PK       | Horizontal | PASS    |
| 2   | 7440.222    | 43.63          | -1.34                 | 42.29          | 74.00          | 31.71       | 150         | 26        | PK       | Horizontal | PASS    |
| 3   | 4960.598    | 42.06          | -4.86                 | 37.20          | 54.00          | 16.80       | 150         | 12        | AV       | Horizontal | PASS    |
| 4   | 7440.222    | 36.53          | -1.34                 | 35.19          | 54.00          | 18.81       | 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   | 4960.598    | 45.04          | -4.86                 | 40.18          | 74.00          | 33.82       | 150         | 123       | PK       | Vertical | PASS    |
| 2   | 7440.222    | 47.42          | -1.34                 | 46.08          | 74.00          | 27.92       | 150         | 95        | PK       | Vertical | PASS    |
| 3   | 4960.598    | 36.23          | -4.86                 | 31.37          | 54.00          | 22.63       | 150         | 55        | AV       | Vertical | PASS    |
| 4   | 7440.222    | 40.83          | -1.34                 | 39.49          | 54.00          | 14.51       | 150         | 95        | AV       | Vertical | PASS    |

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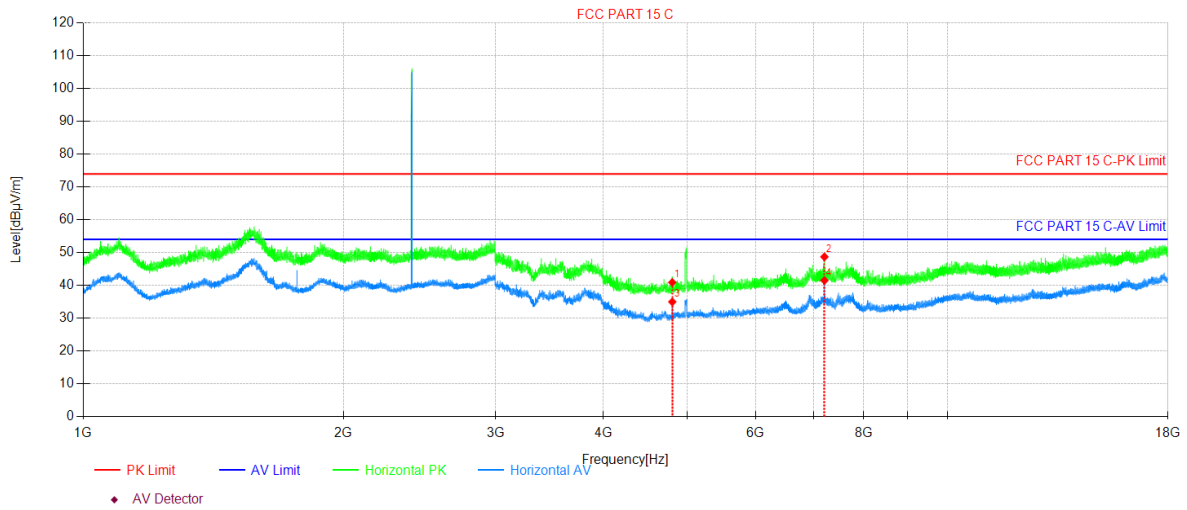
Fax: +86-755-28230886

E-mail: info@uttlab.com

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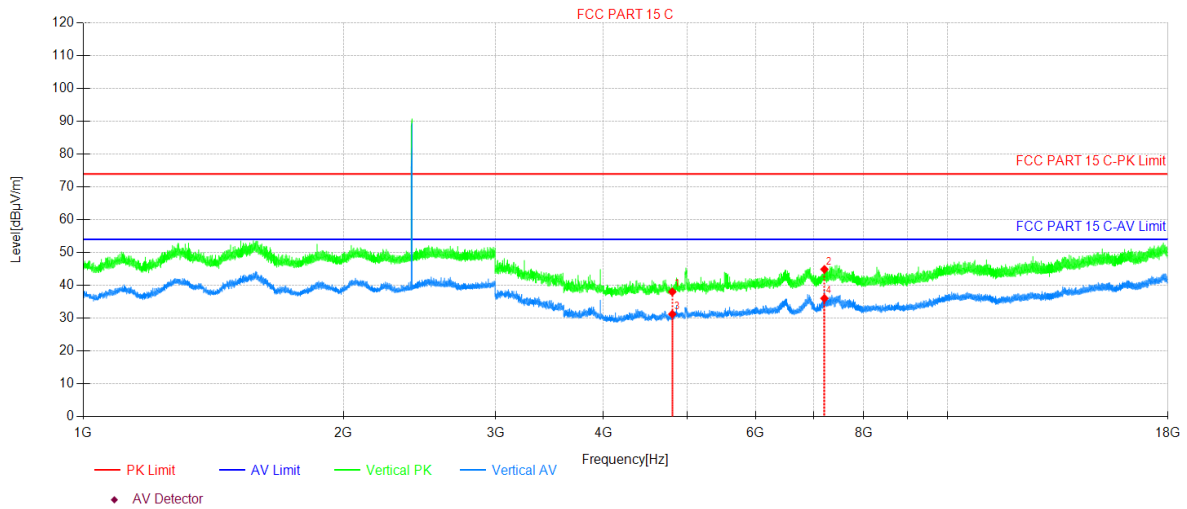
### LE Code (S=2)\_ Lowest Channel: Test Graph



#### 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   | 4804.5902   | 45.51          | -4.61                 | 40.90          | 74.00          | 33.10       | 150         | 0         | PK       | Horizontal | PASS    |
| 2   | 7206.2103   | 50.45          | -1.76                 | 48.69          | 74.00          | 25.31       | 150         | 3         | PK       | Horizontal | PASS    |
| 3   | 4804.5902   | 39.58          | -4.61                 | 34.97          | 54.00          | 19.03       | 150         | 57        | AV       | Horizontal | PASS    |
| 4   | 7206.2103   | 43.25          | -1.76                 | 41.49          | 54.00          | 12.51       | 150         | 14        | 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   | 4804.5902   | 42.64          | -4.61                 | 38.03          | 74.00          | 35.97       | 150         | 177       | PK       | Vertical | PASS    |
| 2   | 7206.2103   | 46.65          | -1.76                 | 44.89          | 74.00          | 29.11       | 150         | 69        | PK       | Vertical | PASS    |
| 3   | 4804.5902   | 35.82          | -4.61                 | 31.21          | 54.00          | 22.79       | 150         | 177       | AV       | Vertical | PASS    |
| 4   | 7206.2103   | 37.79          | -1.76                 | 36.03          | 54.00          | 17.97       | 150         | 110       | AV       | Vertical | PASS    |

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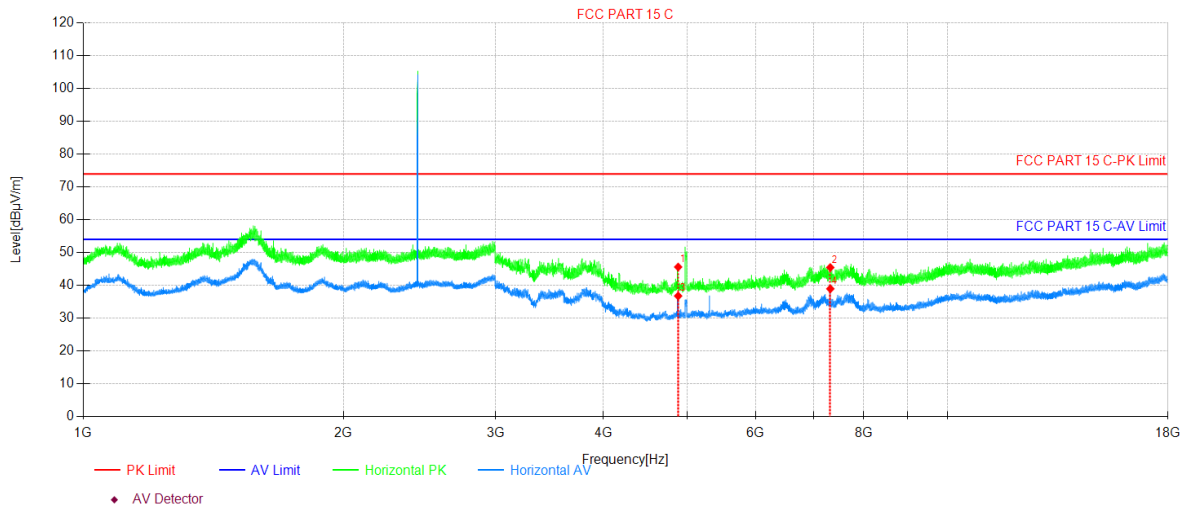
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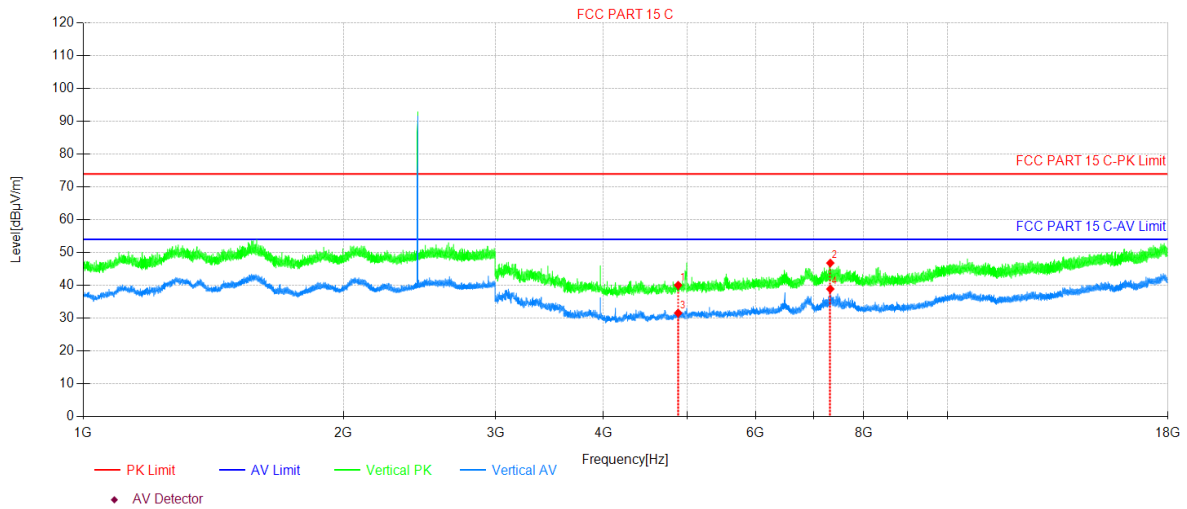
### LE Code (S=2)\_ Middle Channel: Test Graph



#### 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   | 4880.344    | 50.31          | -4.71                 | 45.60          | 74.00          | 28.40       | 150         | 28        | PK       | Horizontal | PASS    |
| 2   | 7320.216    | 46.93          | -1.49                 | 45.44          | 74.00          | 28.56       | 150         | 110       | PK       | Horizontal | PASS    |
| 3   | 4880.344    | 41.47          | -4.71                 | 36.76          | 54.00          | 17.24       | 150         | 56        | AV       | Horizontal | PASS    |
| 4   | 7320.216    | 40.43          | -1.49                 | 38.94          | 54.00          | 15.06       | 150         | 28        | 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   | 4880.344    | 44.76          | -4.71                 | 40.05          | 74.00          | 33.95       | 150         | 82        | PK       | Vertical | PASS    |
| 2   | 7320.216    | 48.30          | -1.49                 | 46.81          | 74.00          | 27.19       | 150         | 82        | PK       | Vertical | PASS    |
| 3   | 4880.344    | 36.26          | -4.71                 | 31.55          | 54.00          | 22.45       | 150         | 96        | AV       | Vertical | PASS    |
| 4   | 7320.216    | 40.38          | -1.49                 | 38.89          | 54.00          | 15.11       | 150         | 82        | AV       | Vertical | PASS    |

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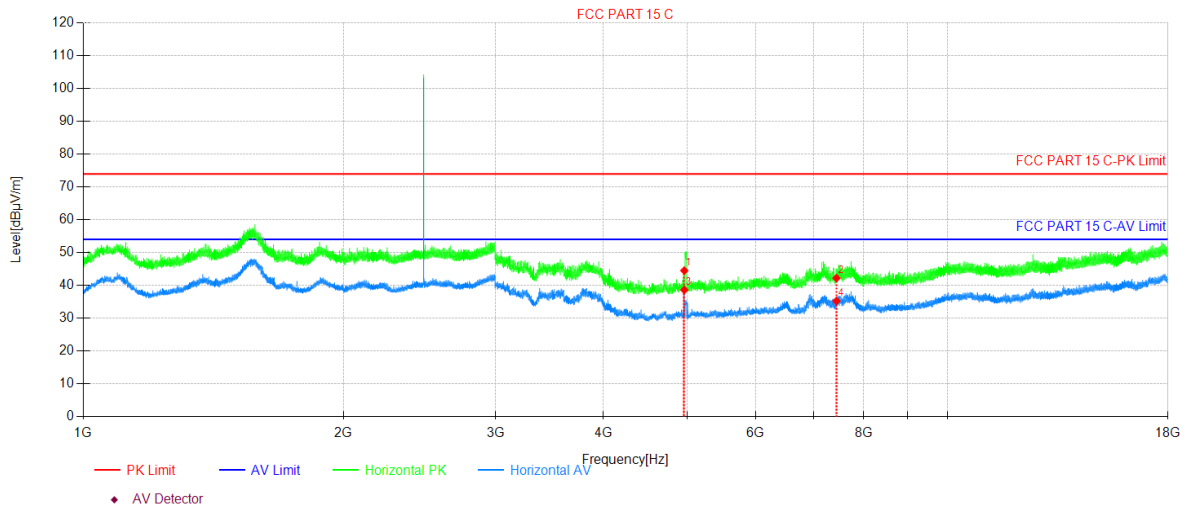
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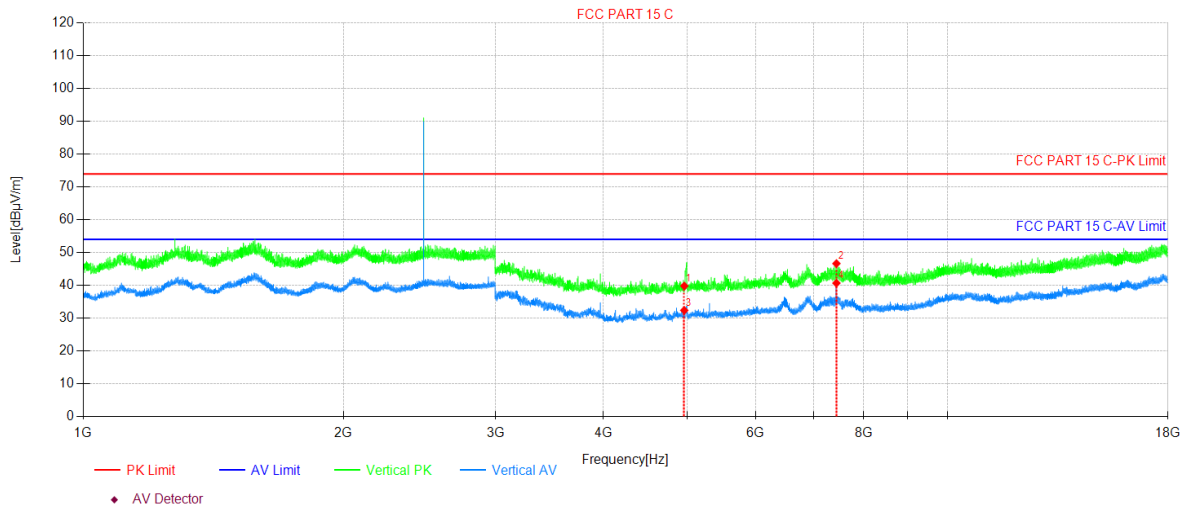
### LE Code (S=2)\_ Highest Channel: Test Graph



#### 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   | 4960.598    | 49.36          | -4.86                 | 44.50          | 74.00          | 29.50       | 150         | 5         | PK       | Horizontal | PASS    |
| 2   | 7440.222    | 43.55          | -1.34                 | 42.21          | 74.00          | 31.79       | 150         | 17        | PK       | Horizontal | PASS    |
| 3   | 4960.598    | 43.47          | -4.86                 | 38.61          | 54.00          | 15.39       | 150         | 17        | AV       | Horizontal | PASS    |
| 4   | 7440.222    | 36.57          | -1.34                 | 35.23          | 54.00          | 18.77       | 150         | 126       | 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   | 4960.598    | 44.67          | -4.86                 | 39.81          | 74.00          | 34.19       | 150         | 110       | PK       | Vertical | PASS    |
| 2   | 7440.222    | 47.99          | -1.34                 | 46.65          | 74.00          | 27.35       | 150         | 98        | PK       | Vertical | PASS    |
| 3   | 4960.598    | 37.23          | -4.86                 | 32.37          | 54.00          | 21.63       | 150         | 177       | AV       | Vertical | PASS    |
| 4   | 7440.222    | 42.02          | -1.34                 | 40.68          | 54.00          | 13.32       | 150         | 98        | AV       | Vertical | PASS    |

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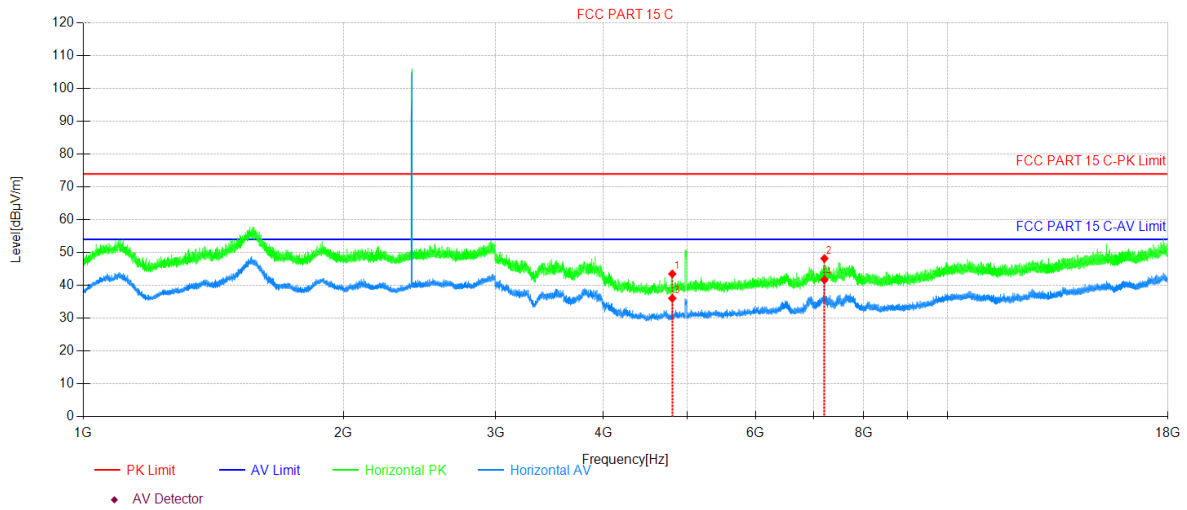
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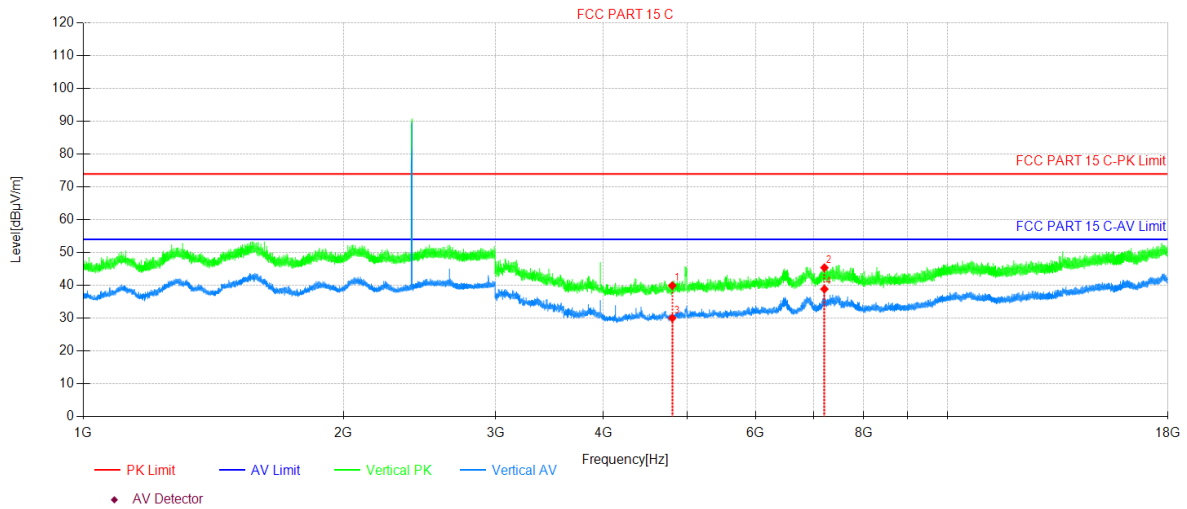
# LE Code (S=8)\_ Lowest Channel: Test Graph



## 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   | 4804.5902   | 48.11          | -4.61                 | 43.50          | 74.00          | 30.50       | 150         | 14        | PK       | Horizontal | PASS    |
| 2   | 7206.2103   | 49.96          | -1.76                 | 48.20          | 74.00          | 25.80       | 150         | 14        | PK       | Horizontal | PASS    |
| 3   | 4804.5902   | 40.65          | -4.61                 | 36.04          | 54.00          | 17.96       | 150         | 14        | AV       | Horizontal | PASS    |
| 4   | 7206.2103   | 43.44          | -1.76                 | 41.68          | 54.00          | 12.32       | 150         | 28        | 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   | 4804.5902   | 44.53          | -4.61                 | 39.92          | 74.00          | 34.08       | 150         | 136       | PK       | Vertical | PASS    |
| 2   | 7206.2103   | 47.15          | -1.76                 | 45.39          | 74.00          | 28.61       | 150         | 68        | PK       | Vertical | PASS    |
| 3   | 4804.5902   | 34.65          | -4.61                 | 30.04          | 54.00          | 23.96       | 150         | 162       | AV       | Vertical | PASS    |
| 4   | 7206.2103   | 40.62          | -1.76                 | 38.86          | 54.00          | 15.14       | 150         | 109       | AV       | Vertical | PASS    |

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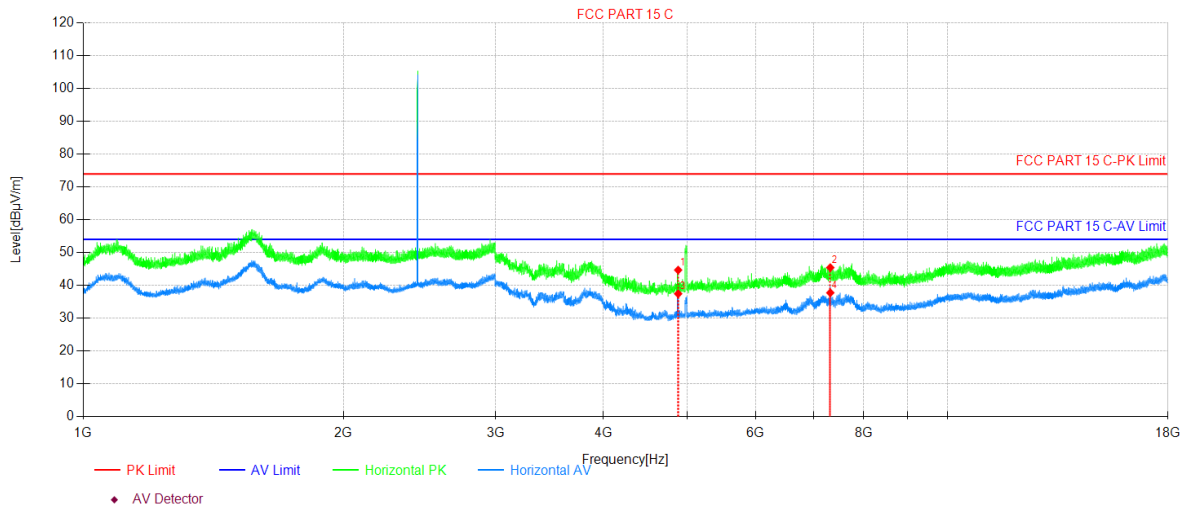
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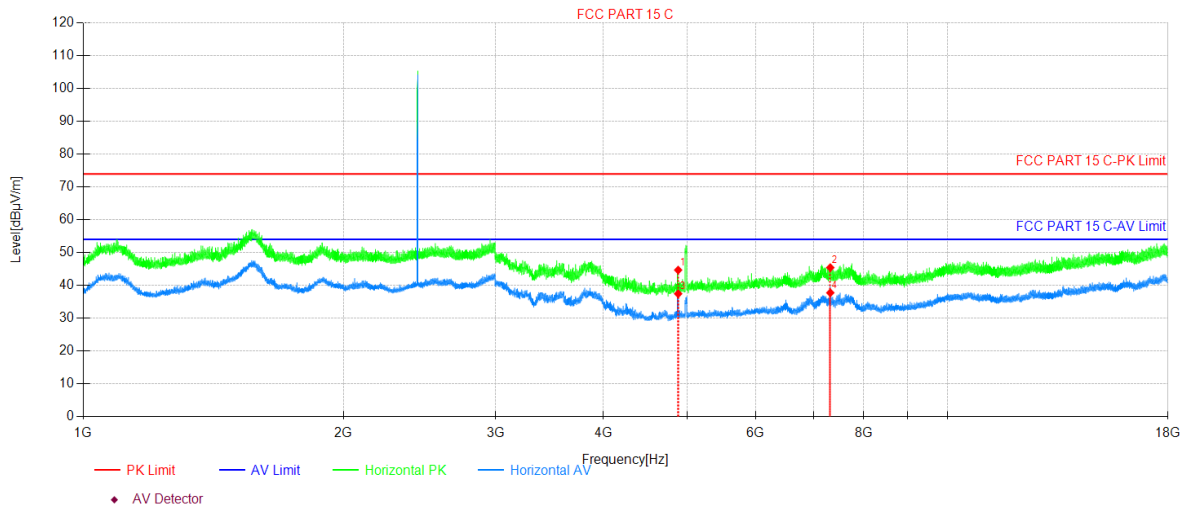
### LE Code (S=8)\_ Middle Channel: Test Graph



#### 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   | 4880.344    | 49.38          | -4.71                 | 44.67          | 74.00          | 29.33       | 150         | 2         | PK       | Horizontal | PASS    |
| 2   | 7320.216    | 46.90          | -1.49                 | 45.41          | 74.00          | 28.59       | 150         | 12        | PK       | Horizontal | PASS    |
| 3   | 4880.344    | 42.14          | -4.71                 | 37.43          | 54.00          | 16.57       | 150         | 26        | AV       | Horizontal | PASS    |
| 4   | 7320.216    | 39.22          | -1.49                 | 37.73          | 54.00          | 16.27       | 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   | 4880.344    | 45.38          | -4.71                 | 40.67          | 74.00          | 33.33       | 150         | 177       | PK       | Vertical | PASS    |
| 2   | 7320.216    | 46.83          | -1.49                 | 45.34          | 74.00          | 28.66       | 150         | 81        | PK       | Vertical | PASS    |
| 3   | 4880.344    | 36.02          | -4.71                 | 31.31          | 54.00          | 22.69       | 150         | 94        | AV       | Vertical | PASS    |
| 4   | 7320.216    | 40.93          | -1.49                 | 39.44          | 54.00          | 14.56       | 150         | 94        | AV       | Vertical | PASS    |

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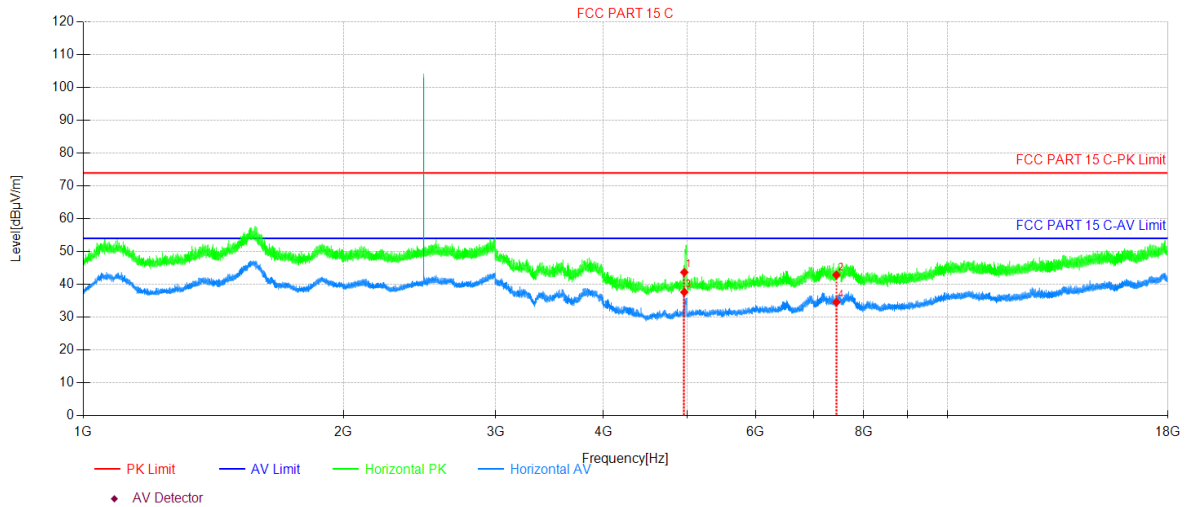
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Fax: +86-755-28230886

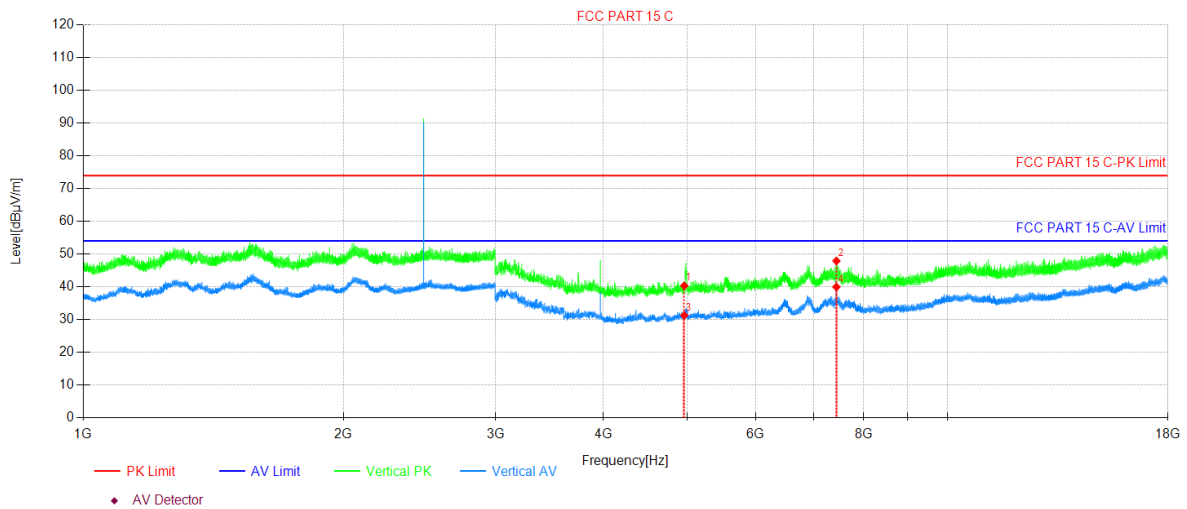
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**LE Code (S=8)\_ Highest Channel:  
Test Graph****Data List**

| NO. | Freq. [MHz] | Reading [dBμV] | Correct Factor [dB/m] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity   | Verdict |
|-----|-------------|----------------|-----------------------|----------------|----------------|-------------|-------------|-----------|----------|------------|---------|
| 1   | 4960.598    | 48.54          | -4.86                 | 43.68          | 74.00          | 30.32       | 150         | 3         | PK       | Horizontal | PASS    |
| 2   | 7440.222    | 44.22          | -1.34                 | 42.88          | 74.00          | 31.12       | 150         | 165       | PK       | Horizontal | PASS    |
| 3   | 4960.598    | 42.48          | -4.86                 | 37.62          | 54.00          | 16.38       | 150         | 3         | AV       | Horizontal | PASS    |
| 4   | 7440.222    | 35.89          | -1.34                 | 34.55          | 54.00          | 19.45       | 150         | 126       | 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   | 4960.598    | 45.19          | -4.86                 | 40.33          | 74.00          | 33.67       | 150         | 177       | PK       | Vertical | PASS    |
| 2   | 7440.222    | 49.25          | -1.34                 | 47.91          | 74.00          | 26.09       | 150         | 97        | PK       | Vertical | PASS    |
| 3   | 4960.598    | 36.13          | -4.86                 | 31.27          | 54.00          | 22.73       | 150         | 177       | AV       | Vertical | PASS    |
| 4   | 7440.222    | 41.29          | -1.34                 | 39.95          | 54.00          | 14.05       | 150         | 97        | AV       | Vertical | PASS    |

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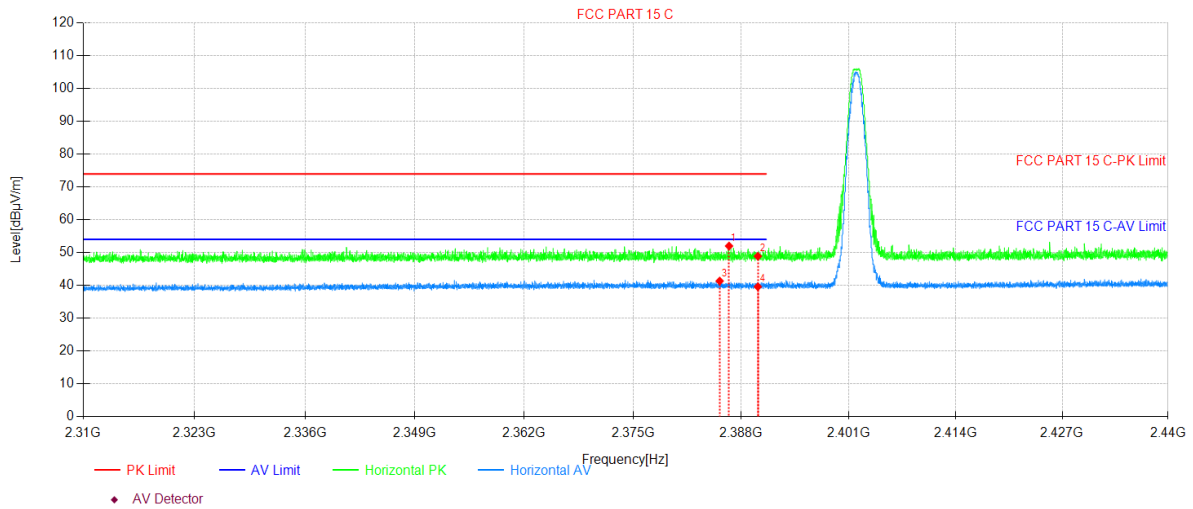
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## A.6 BAND EDGE MEASUREMENTS (RADIATED)

LE\_ Lowest Channel:

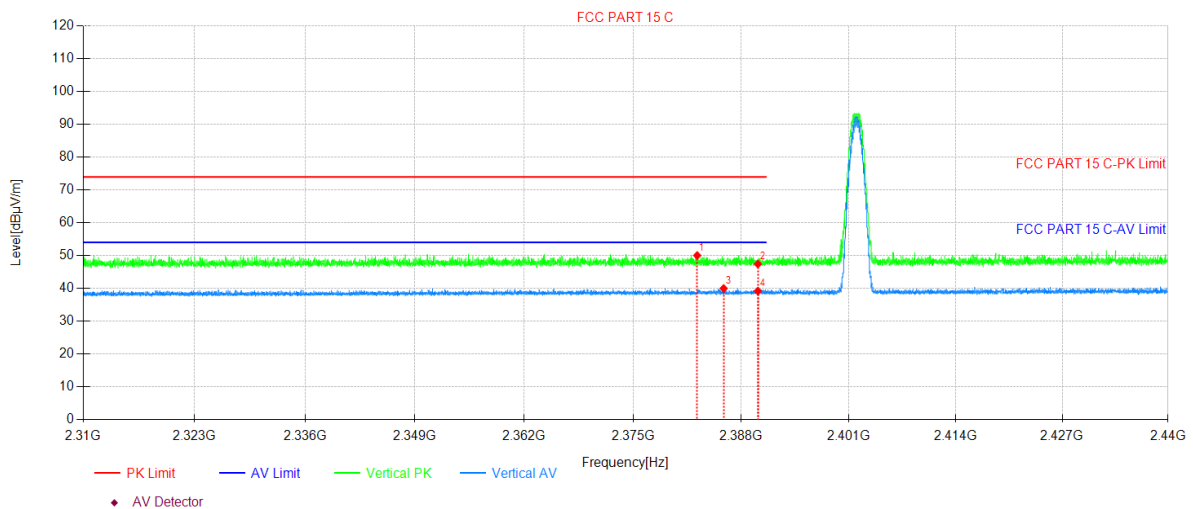
Test Graph



### 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   | 2386.5387   | 52.80          | -0.81                 | 51.99          | 74.00          | 22.01       | 150         | 177       | PK       | Horizontal | PASS    |
| 2   | 2390.01     | 49.68          | -0.80                 | 48.88          | 74.00          | 25.12       | 150         | 177       | PK       | Horizontal | PASS    |
| 3   | 2385.4075   | 42.13          | -0.81                 | 41.32          | 54.00          | 12.68       | 150         | 170       | AV       | Horizontal | PASS    |
| 4   | 2390.01     | 40.38          | -0.80                 | 39.58          | 54.00          | 14.42       | 150         | 170       | 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   | 2382.7033   | 50.86          | -0.83                 | 50.03          | 74.00          | 23.97       | 150         | 65        | PK       | Vertical | PASS    |
| 2   | 2390.01     | 48.21          | -0.80                 | 47.41          | 74.00          | 26.59       | 150         | 180       | PK       | Vertical | PASS    |
| 3   | 2385.8886   | 40.79          | -0.81                 | 39.98          | 54.00          | 14.02       | 150         | 65        | AV       | Vertical | PASS    |
| 4   | 2390.01     | 39.97          | -0.80                 | 39.17          | 54.00          | 14.83       | 150         | 65        | AV       | Vertical | PASS    |

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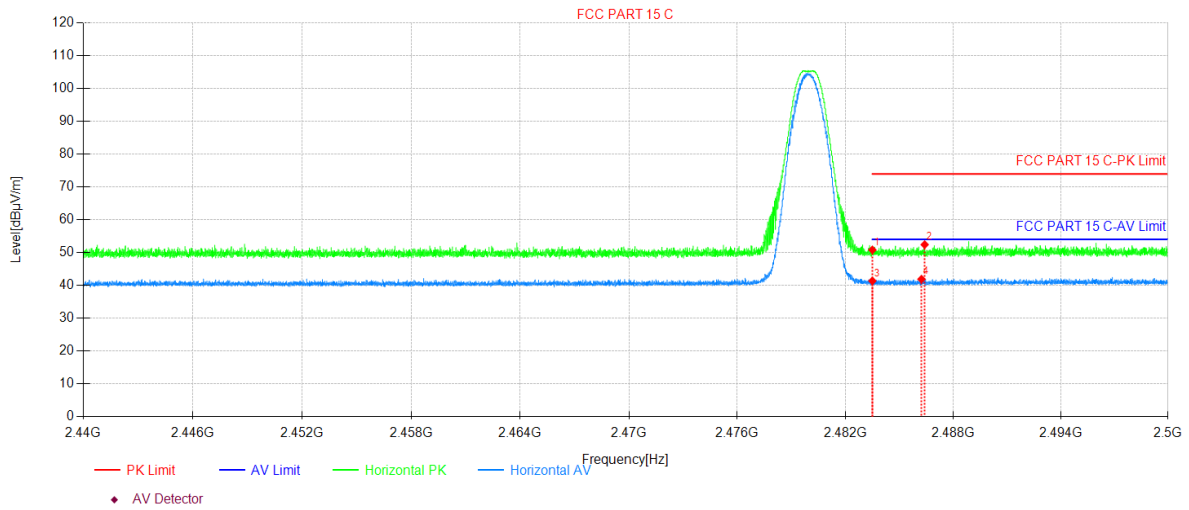
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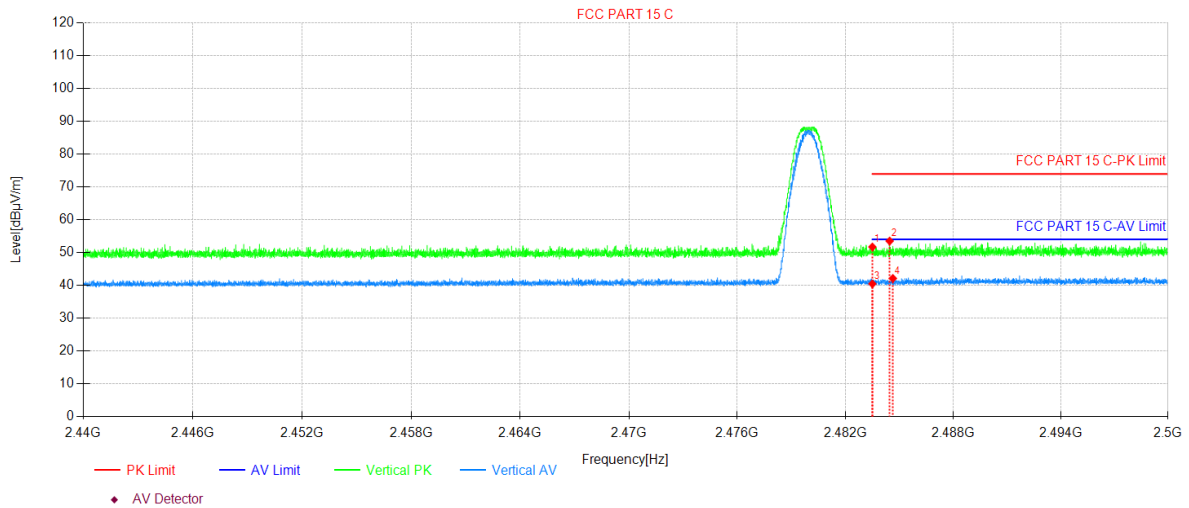
## LE\_Highest Channel Test Graph



### 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   | 51.10          | -0.29                 | 50.81          | 74.00          | 23.19       | 150         | 121       | PK       | Horizontal | PASS    |
| 2   | 2486.4146   | 52.68          | -0.26                 | 52.42          | 74.00          | 21.58       | 150         | 144       | PK       | Horizontal | PASS    |
| 3   | 2483.5044   | 41.64          | -0.29                 | 41.35          | 54.00          | 12.65       | 150         | 133       | AV       | Horizontal | PASS    |
| 4   | 2486.2346   | 42.15          | -0.27                 | 41.88          | 54.00          | 12.12       | 150         | 133       | 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   | 52.00          | -0.29                 | 51.71          | 74.00          | 22.29       | 150         | 66        | PK       | Vertical | PASS    |
| 2   | 2484.4644   | 53.79          | -0.28                 | 53.51          | 74.00          | 20.49       | 150         | 20        | PK       | Vertical | PASS    |
| 3   | 2483.5044   | 40.75          | -0.29                 | 40.46          | 54.00          | 13.54       | 150         | 89        | AV       | Vertical | PASS    |
| 4   | 2484.6445   | 42.40          | -0.28                 | 42.12          | 54.00          | 11.88       | 150         | 77        | AV       | Vertical | PASS    |

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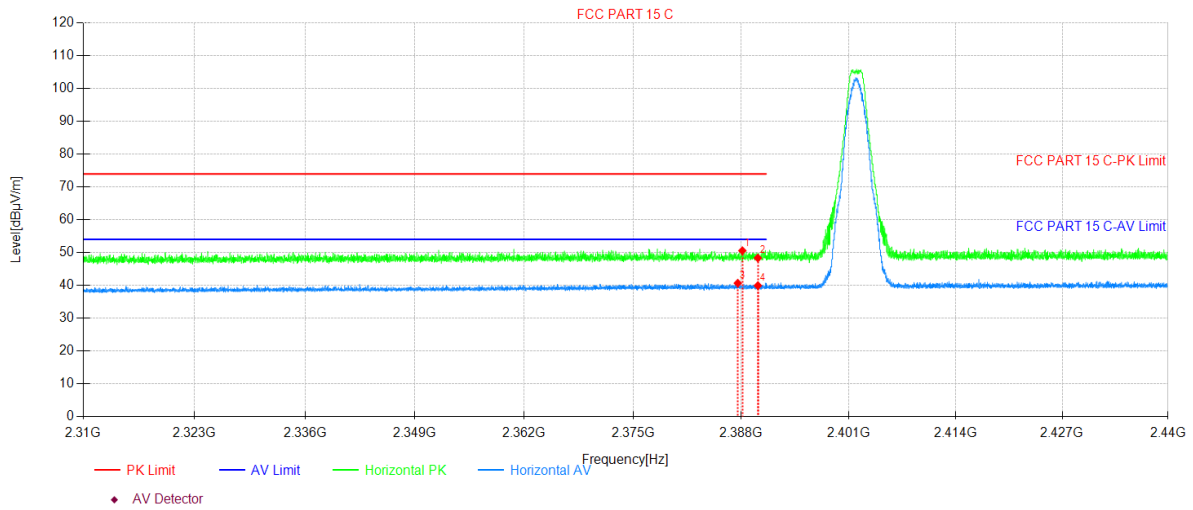
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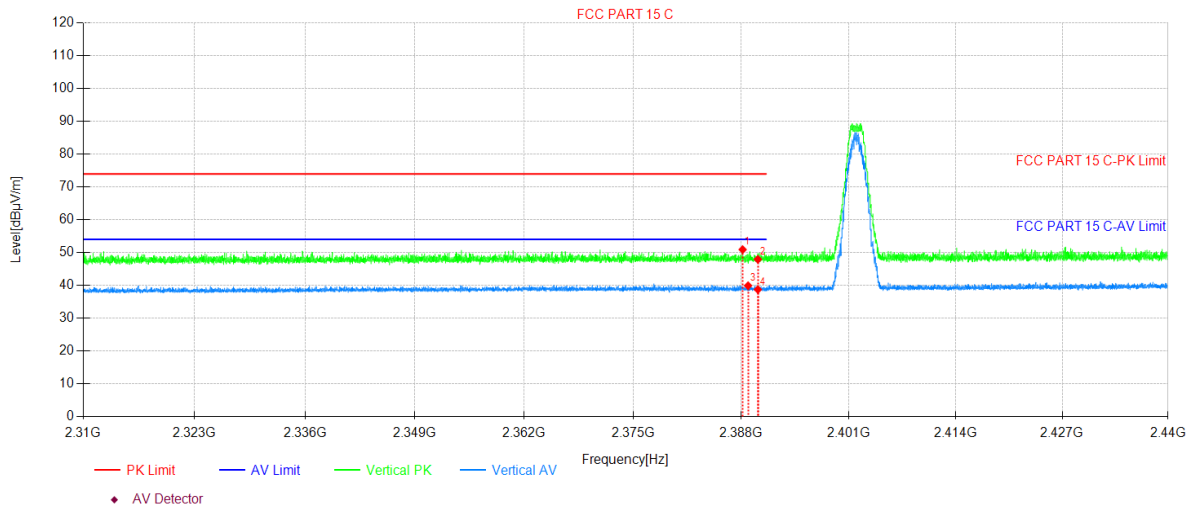
## 2LE\_Lowest Channel: Test Graph



### 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   | 2388.1378   | 51.38          | -0.80                 | 50.58          | 74.00          | 23.42       | 150         | 129       | PK       | Horizontal | PASS    |
| 2   | 2390.01     | 49.14          | -0.80                 | 48.34          | 74.00          | 25.66       | 150         | 180       | PK       | Horizontal | PASS    |
| 3   | 2387.5918   | 41.46          | -0.80                 | 40.66          | 54.00          | 13.34       | 150         | 129       | AV       | Horizontal | PASS    |
| 4   | 2390.01     | 40.73          | -0.80                 | 39.93          | 54.00          | 14.07       | 150         | 116       | 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   | 2388.1768   | 51.71          | -0.80                 | 50.91          | 74.00          | 23.09       | 150         | 87        | PK       | Vertical | PASS    |
| 2   | 2390.01     | 48.74          | -0.80                 | 47.94          | 74.00          | 26.06       | 150         | 18        | PK       | Vertical | PASS    |
| 3   | 2388.8269   | 40.69          | -0.80                 | 39.89          | 54.00          | 14.11       | 150         | 98        | AV       | Vertical | PASS    |
| 4   | 2390.01     | 39.54          | -0.80                 | 38.74          | 54.00          | 15.26       | 150         | 98        | AV       | Vertical | PASS    |

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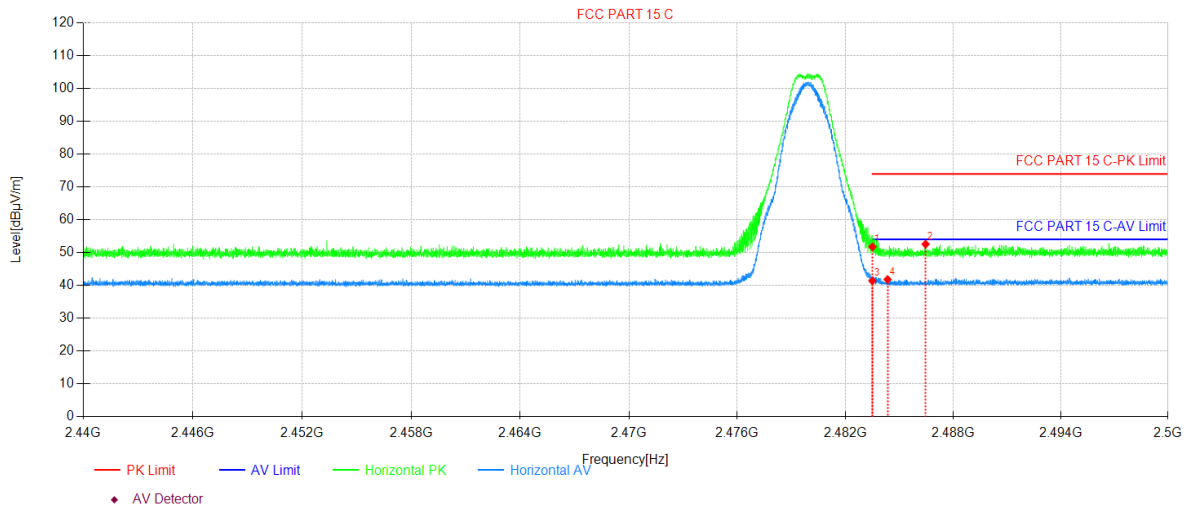
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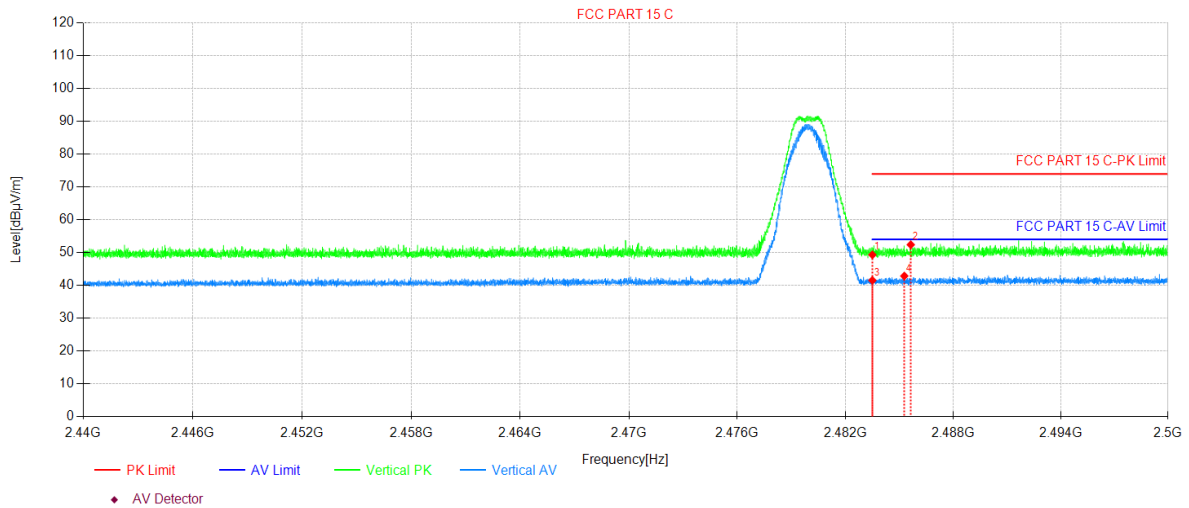
## 2LE\_Highest Channel: Test Graph



### 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   | 52.03          | -0.29                 | 51.74          | 74.00          | 22.26       | 150         | 44        | PK       | Horizontal | PASS    |
| 2   | 2486.4626   | 52.81          | -0.26                 | 52.55          | 74.00          | 21.45       | 150         | 168       | PK       | Horizontal | PASS    |
| 3   | 2483.5044   | 41.66          | -0.29                 | 41.37          | 54.00          | 12.63       | 150         | 11        | AV       | Horizontal | PASS    |
| 4   | 2484.3504   | 42.08          | -0.28                 | 41.80          | 54.00          | 12.20       | 150         | 124       | 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   | 49.60          | -0.29                 | 49.31          | 74.00          | 24.69       | 150         | 25        | PK       | Vertical | PASS    |
| 2   | 2485.6406   | 52.66          | -0.27                 | 52.39          | 74.00          | 21.61       | 150         | 78        | PK       | Vertical | PASS    |
| 3   | 2483.5044   | 41.81          | -0.29                 | 41.52          | 54.00          | 12.48       | 150         | 89        | AV       | Vertical | PASS    |
| 4   | 2485.2805   | 43.12          | -0.27                 | 42.85          | 54.00          | 11.15       | 150         | 89        | AV       | Vertical | PASS    |

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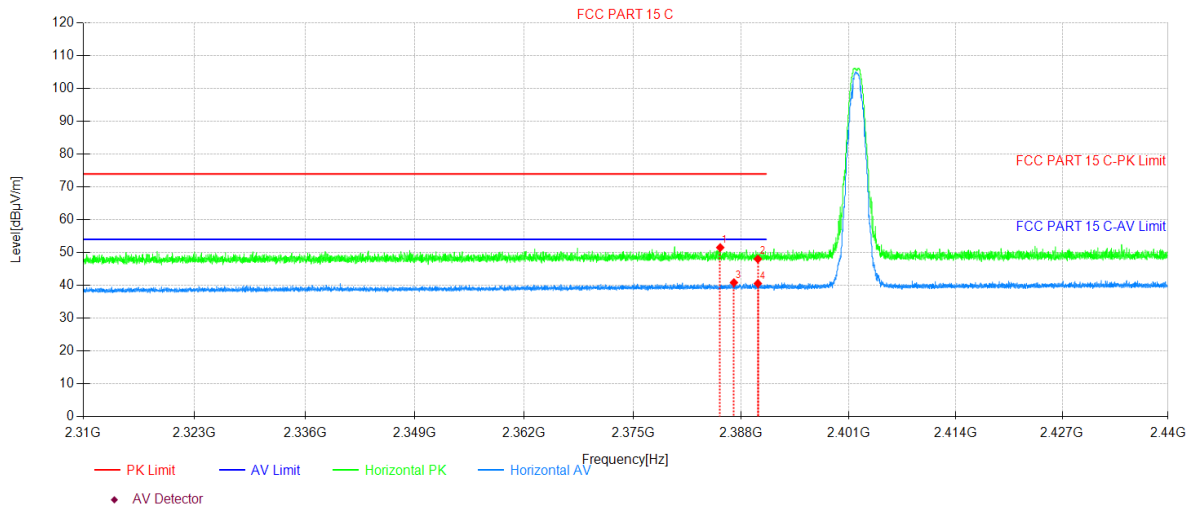
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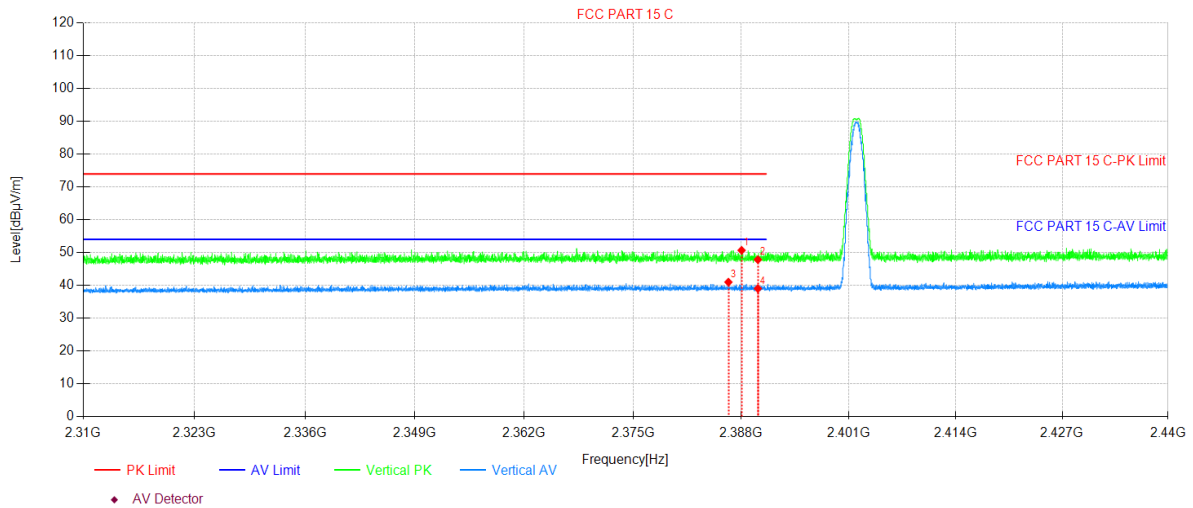
### LE Code (S=2)\_ Lowest Channel: Test Graph



#### 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   | 2385.4725   | 52.34          | -0.81                 | 51.53          | 74.00          | 22.47       | 150         | 105       | PK       | Horizontal | PASS    |
| 2   | 2390.01     | 48.84          | -0.80                 | 48.04          | 74.00          | 25.96       | 150         | 105       | PK       | Horizontal | PASS    |
| 3   | 2387.1237   | 41.65          | -0.81                 | 40.84          | 54.00          | 13.16       | 150         | 180       | AV       | Horizontal | PASS    |
| 4   | 2390.01     | 41.37          | -0.80                 | 40.57          | 54.00          | 13.43       | 150         | 180       | 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   | 2388.0468   | 51.48          | -0.80                 | 50.68          | 74.00          | 23.32       | 150         | 104       | PK       | Vertical | PASS    |
| 2   | 2390.01     | 48.64          | -0.80                 | 47.84          | 74.00          | 26.16       | 150         | 168       | PK       | Vertical | PASS    |
| 3   | 2386.4606   | 41.80          | -0.81                 | 40.99          | 54.00          | 13.01       | 150         | 93        | AV       | Vertical | PASS    |
| 4   | 2390.01     | 39.82          | -0.80                 | 39.02          | 54.00          | 14.98       | 150         | 104       | AV       | Vertical | PASS    |

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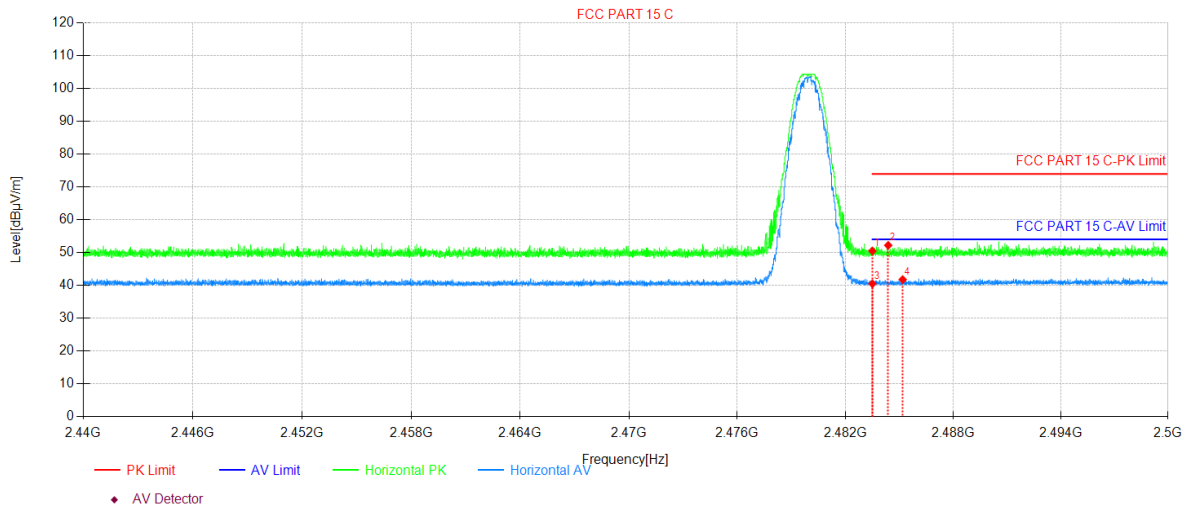
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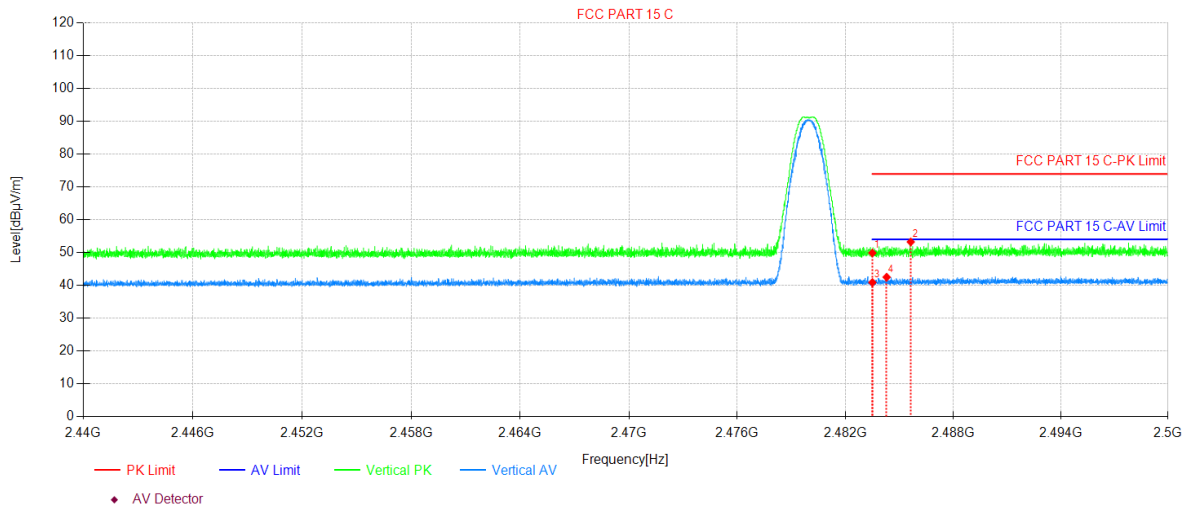
### LE Code (S=2)\_ Highest Channel: Test Graph



#### 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   | 50.79          | -0.29                 | 50.50          | 74.00          | 23.50       | 150         | 54        | PK       | Horizontal | PASS    |
| 2   | 2484.3864   | 52.49          | -0.28                 | 52.21          | 74.00          | 21.79       | 150         | 173       | PK       | Horizontal | PASS    |
| 3   | 2483.5044   | 40.78          | -0.29                 | 40.49          | 54.00          | 13.51       | 150         | 178       | AV       | Horizontal | PASS    |
| 4   | 2485.1905   | 42.04          | -0.27                 | 41.77          | 54.00          | 12.23       | 150         | 129       | 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   | 50.18          | -0.29                 | 49.89          | 74.00          | 24.11       | 150         | 4         | PK       | Vertical | PASS    |
| 2   | 2485.6406   | 53.51          | -0.27                 | 53.24          | 74.00          | 20.76       | 150         | 84        | PK       | Vertical | PASS    |
| 3   | 2483.5044   | 41.17          | -0.29                 | 40.88          | 54.00          | 13.12       | 150         | 95        | AV       | Vertical | PASS    |
| 4   | 2484.2964   | 42.78          | -0.28                 | 42.50          | 54.00          | 11.50       | 150         | 84        | AV       | Vertical | PASS    |

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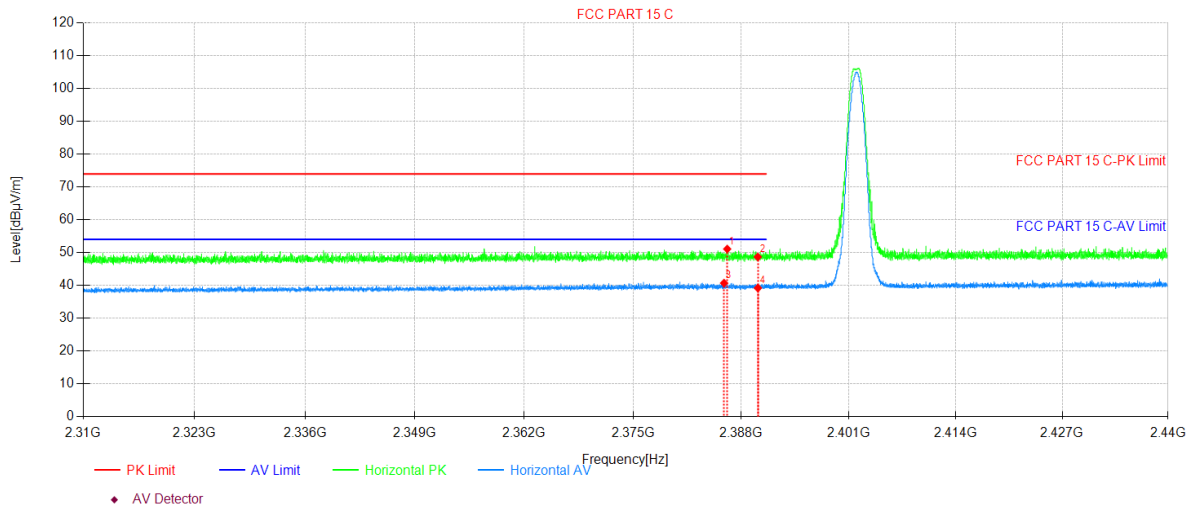
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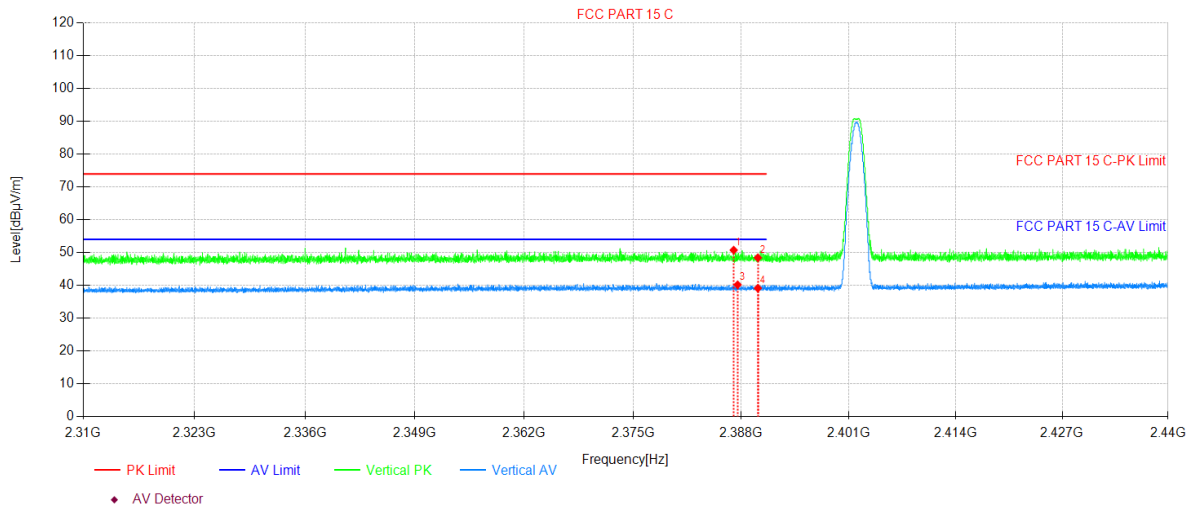
### LE Code (S=8)\_ Lowest Channel: Test Graph



#### 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   | 2386.3176   | 51.89          | -0.81                 | 51.08          | 74.00          | 22.92       | 150         | 180       | PK       | Horizontal | PASS    |
| 2   | 2390.01     | 49.46          | -0.80                 | 48.66          | 74.00          | 25.34       | 150         | 180       | PK       | Horizontal | PASS    |
| 3   | 2385.9406   | 41.49          | -0.81                 | 40.68          | 54.00          | 13.32       | 150         | 132       | AV       | Horizontal | PASS    |
| 4   | 2390.01     | 39.98          | -0.80                 | 39.18          | 54.00          | 14.82       | 150         | 132       | 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   | 2387.0977   | 51.55          | -0.81                 | 50.74          | 74.00          | 23.26       | 150         | 90        | PK       | Vertical | PASS    |
| 2   | 2390.01     | 49.21          | -0.80                 | 48.41          | 74.00          | 25.59       | 150         | 99        | PK       | Vertical | PASS    |
| 3   | 2387.5658   | 40.97          | -0.80                 | 40.17          | 54.00          | 13.83       | 150         | 99        | AV       | Vertical | PASS    |
| 4   | 2390.01     | 39.93          | -0.80                 | 39.13          | 54.00          | 14.87       | 150         | 168       | AV       | Vertical | PASS    |

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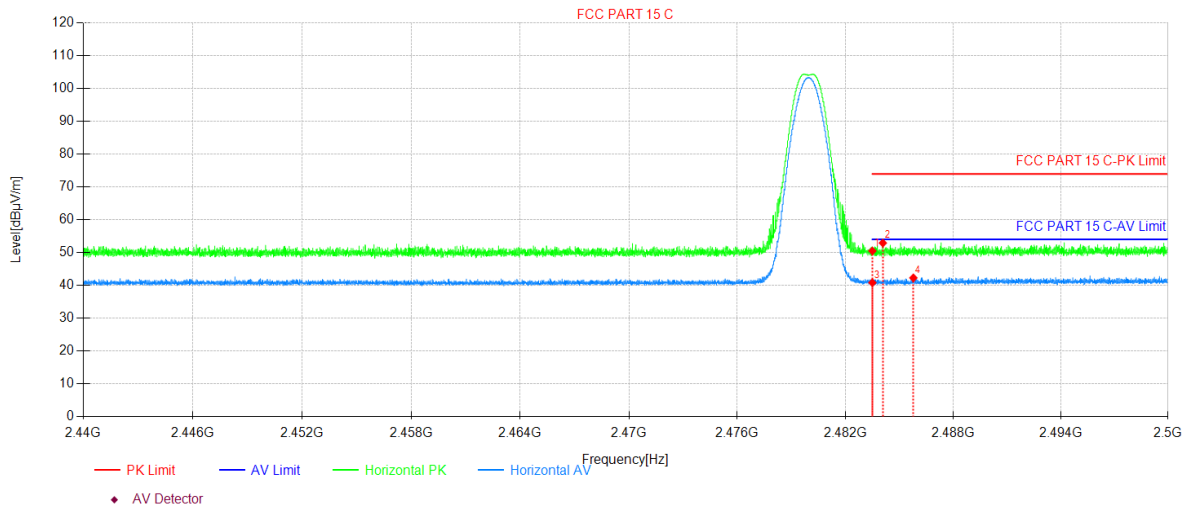
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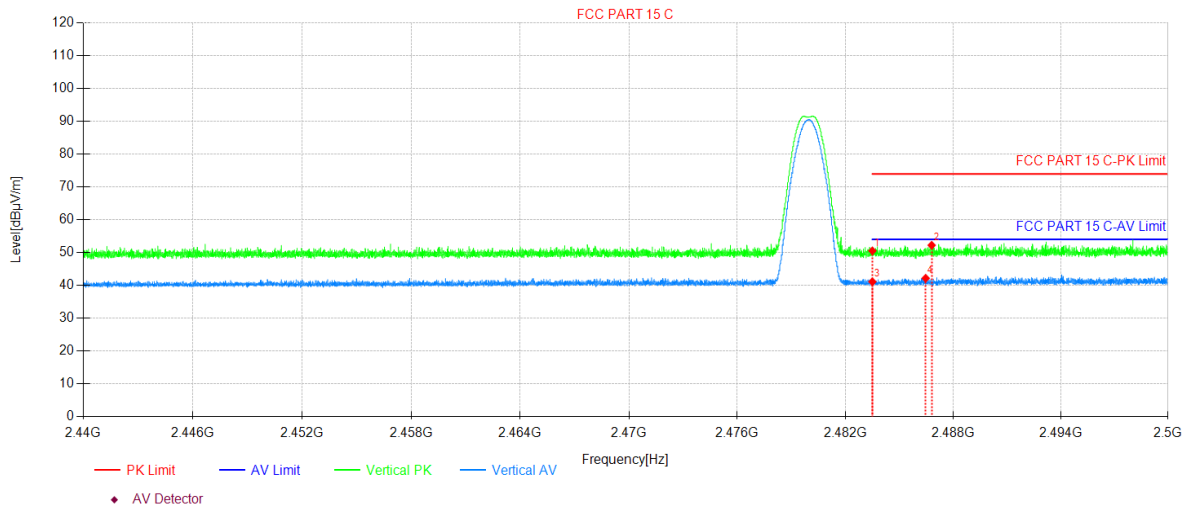
### LE Code (S=8)\_ Highest Channel: Test Graph



#### 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   | 50.78          | -0.29                 | 50.49          | 74.00          | 23.51       | 150         | 129       | PK       | Horizontal | PASS    |
| 2   | 2484.0864   | 53.20          | -0.28                 | 52.92          | 74.00          | 21.08       | 150         | 118       | PK       | Horizontal | PASS    |
| 3   | 2483.5044   | 41.10          | -0.29                 | 40.81          | 54.00          | 13.19       | 150         | 177       | AV       | Horizontal | PASS    |
| 4   | 2485.7846   | 42.54          | -0.27                 | 42.27          | 54.00          | 11.73       | 150         | 169       | 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   | 50.82          | -0.29                 | 50.53          | 74.00          | 23.47       | 150         | 0         | PK       | Vertical | PASS    |
| 2   | 2486.8047   | 52.50          | -0.26                 | 52.24          | 74.00          | 21.76       | 150         | 88        | PK       | Vertical | PASS    |
| 3   | 2483.5044   | 41.39          | -0.29                 | 41.10          | 54.00          | 12.90       | 150         | 88        | AV       | Vertical | PASS    |
| 4   | 2486.4686   | 42.43          | -0.26                 | 42.17          | 54.00          | 11.83       | 150         | 88        | AV       | Vertical | PASS    |

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**Remark:**

1. Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain, the value was added to Original Receiver Reading by the software automatically.
2. Result = Reading + Correct Factor.
3. Margin = Limit - Result
4. For Radiated Emission above 18GHz, there was not any unwanted emission detected.
5. The testing of Radiated Emissions was performed in Dongguan DN Testing Co., Ltd.



## APPENDIX 1 PHOTOS OF TEST SETUP

See test photos attached in Appendix 1 for the actual connections between Product and support equipment.

## APPENDIX 2 PHOTOS OF EUT CONSTRUCTIONAL DETAILS

Refer to Appendix 2 for EUT external and internal photos.

\*\*\* End of Report \*\*\*

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