

|               |                                                                                                                                                                                     |                |            |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------|
| Test Mode:    | 3DH5 - Ant 1                                                                                                                                                                        | Test Date:     | 2020-06-18 |
| Test Channel: | 78                                                                                                                                                                                  | Test Engineer: | Line Chen  |
| Remark:       | 17. Average measurement was not performed if peak level lower than average limit.<br>18. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. |                |            |

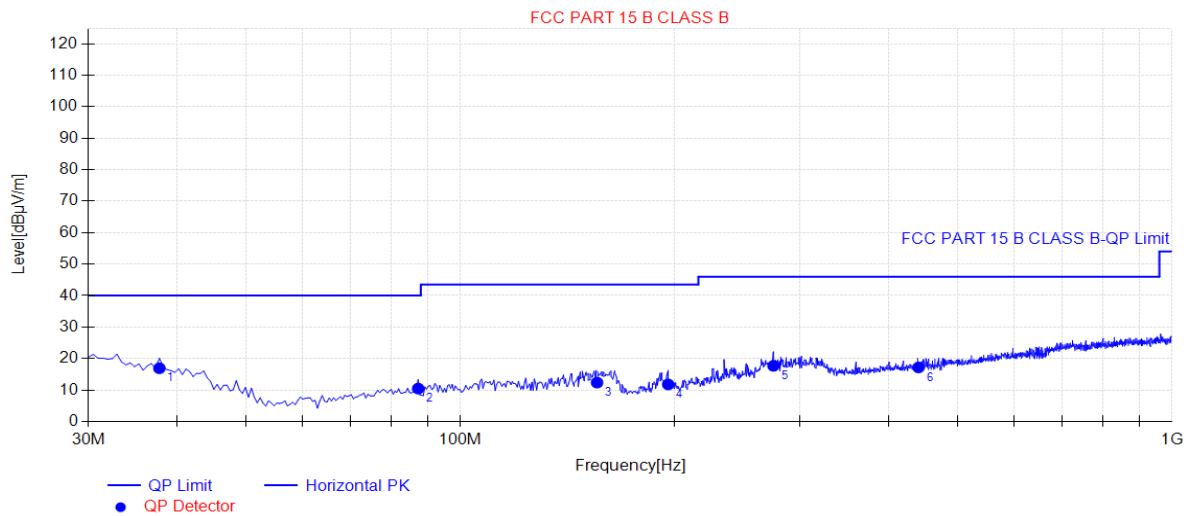
| Mark | Frequency (MHz) | Level (dBμV) | Factor (dB) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|--------------|-------------|----------------|-------------|----------|--------------|
|      | 4687.5000       | 42.99        | 7.28        | 74.00          | 31.01       | Peak     | Horizontal   |
|      | 4912.5000       | 43.52        | 7.98        | 74.00          | 30.48       | Peak     | Horizontal   |
| *    | 6315.0000       | 47.23        | 12.59       | 84.12          | 36.89       | Peak     | Horizontal   |
| *    | 6465.0000       | 46.57        | 12.63       | 84.12          | 37.55       | Peak     | Horizontal   |
|      | 4597.5000       | 43.49        | 7.08        | 74.00          | 30.51       | Peak     | Vertical     |
|      | 4942.5000       | 44.52        | 8.01        | 74.00          | 29.48       | Peak     | Vertical     |
| *    | 6097.5000       | 46.90        | 11.92       | 84.12          | 37.22       | Peak     | Vertical     |
| *    | 6630.0000       | 47.57        | 13.06       | 84.12          | 36.55       | Peak     | Vertical     |

Note 1: "\*" is not in restricted band, its limit is 20dBc of the fundamental emission level (104.12dBμV/m) or 15.209 which is higher.

### The Worst Case of Radiated Emission below 1GHz:

|              |                                       |           |            |
|--------------|---------------------------------------|-----------|------------|
| EUT:         | WYZE SPRINKLER CONTROLLER             | Polarity: | Horizontal |
| Model:       | WSPRK1                                | SN:       | N/A        |
| Mode:        | Transmit by DH5 at Channel<br>2480MHz | Voltage:  | 120V/60Hz  |
| Environment: | Temp: 25°C; Humi:60%                  | Engineer: | Line Chen  |

### Test Graph



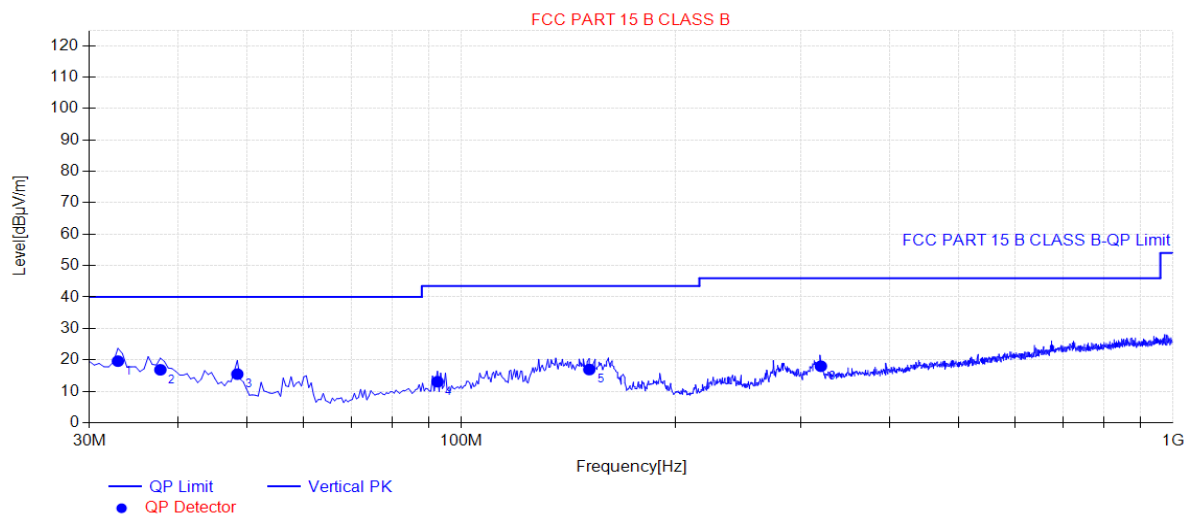
### Final Data List

| NO. | Freq.<br>[MHz] | Factor<br>[dB] | QP Value<br>[dBμV/m] | QP Limit<br>[dBμV/m] | QP Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Polarity   |
|-----|----------------|----------------|----------------------|----------------------|-------------------|----------------|--------------|------------|
| 1   | 37.7600        | 16.05          | 16.92                | 40.00                | 23.08             | 100            | 360          | Horizontal |
| 2   | 87.2300        | 10.48          | 10.46                | 40.00                | 29.54             | 200            | 328          | Horizontal |
| 3   | 155.615        | 10.22          | 12.36                | 43.50                | 31.14             | 100            | 237          | Horizontal |
| 4   | 195.870        | 9.09           | 11.77                | 43.50                | 31.73             | 200            | 0            | Horizontal |
| 5   | 275.410        | 12.41          | 17.68                | 46.00                | 28.32             | 100            | 258          | Horizontal |
| 6   | 440.310        | 17.34          | 17.18                | 46.00                | 28.82             | 100            | 37           | Horizontal |

Note 1: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), therefore no data appear in the report.

|              |                                    |           |           |
|--------------|------------------------------------|-----------|-----------|
| EUT:         | WYZE SPRINKLER                     | Polarity: | Vertical  |
| Model:       | WSPRK1                             | SN:       | N/A       |
| Mode:        | Transmit by DH5 at Channel 2480MHz | Voltage:  | 120V/60Hz |
| Environment: | Temp: 25°C; Humi:60%               | Engineer: | Line Chen |

### Test Graph



| Final Data List |             |             |                   |                   |                |             |           |          |
|-----------------|-------------|-------------|-------------------|-------------------|----------------|-------------|-----------|----------|
| NO.             | Freq. [MHz] | Factor [dB] | QP Value [dBμV/m] | QP Limit [dBμV/m] | QP Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1               | 32.9100     | 18.03       | 19.59             | 40.00             | 20.41          | 100         | 94        | Vertical |
| 2               | 37.7600     | 16.05       | 16.84             | 40.00             | 23.16          | 100         | 131       | Vertical |
| 3               | 48.4300     | 8.38        | 15.46             | 40.00             | 24.54          | 100         | 253       | Vertical |
| 4               | 92.5650     | 10.67       | 13.04             | 43.50             | 30.46          | 100         | 181       | Vertical |
| 5               | 151.250     | 10.69       | 16.91             | 43.50             | 26.59          | 100         | 181       | Vertical |
| 6               | 320.030     | 13.90       | 17.98             | 46.00             | 28.02          | 100         | 359       | Vertical |

Note 1: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), therefore no data appear in the report.

## 7.10. Radiated Restricted Band Edge Measurement

### For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

| Frequency<br>(MHz)         | Frequency<br>(MHz)  | Frequency<br>(MHz) | Frequency<br>(GHz) |
|----------------------------|---------------------|--------------------|--------------------|
| 0.090 - 0.110              | 16.42 - 16.423      | 399.9 - 410        | 4.5 - 5.15         |
| <sup>1</sup> 0.495 - 0.505 | 16.69475 - 16.69525 | 608 - 614          | 5.35 - 5.46        |
| 2.1735 - 2.1905            | 16.80425 - 16.80475 | 960 - 1240         | 7.25 - 7.75        |
| 4.125 - 4.128              | 25.5 - 25.67        | 1300 - 1427        | 8.25 - 8.5         |
| 4.17725 - 4.17775          | 37.5 - 38.25        | 1435 - 1626.5      | 9.0 - 9.2          |
| 4.20725 - 4.20775          | 73 - 74.6           | 1645.5 - 1646.5    | 9.3 - 9.5          |
| 6.215 - 6.218              | 74.8 - 75.2         | 1660 - 1710        | 10.6 - 12.7        |
| 6.26775 - 6.26825          | 108 - 121.94        | 1718.8 - 1722.2    | 13.25 - 13.4       |
| 6.31175 - 6.31225          | 123 - 138           | 2200 - 2300        | 14.47 - 14.5       |
| 8.291 - 8.294              | 149.9 - 150.05      | 2310 - 2390        | 15.35 - 16.2       |
| 8.362 - 8.366              | 156.52475 - 156.525 | 2483.5 - 2500      | 17.7 - 21.4        |
| 8.37625 - 8.38675          | 156.7 - 156.9       | 2690 - 2900        | 22.01 - 23.12      |
| 8.41425 - 8.41475          | 162.0125 - 167.17   | 3260 - 3267        | 23.6 - 24.0        |
| 12.29 - 12.293             | 167.72 - 173.2      | 3332 - 3339        | 31.2 - 31.8        |
| 12.51975 - 12.52025        | 240 - 285           | 3345.8 - 3358      | 36.43 - 36.5       |
| 12.57675 - 12.57725        | 322 - 335.4         | 3600 - 4400        | ( <sup>2</sup> )   |
| 13.36 - 13.41              | --                  | --                 | --                 |

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47CFR must not exceed the limits shown in Table per Section 15.209.

| FCC Part 15 Subpart C Paragraph 15.209 |                          |                               |
|----------------------------------------|--------------------------|-------------------------------|
| Frequency<br>[MHz]                     | Field Strength<br>[uV/m] | Measured Distance<br>[Meters] |
| 0.009 - 0.490                          | 2400/F (kHz)             | 300                           |
| 0.490 - 1.705                          | 24000/F (kHz)            | 30                            |
| 1.705 - 30                             | 30                       | 30                            |
| 30 - 88                                | 100                      | 3                             |
| 88 - 216                               | 150                      | 3                             |
| 216 - 960                              | 200                      | 3                             |
| Above 960                              | 500                      | 3                             |

### **For RSS-Gen Section 8.10 requirement:**

Radiated emissions which fall in the restricted bands, as defined in Section 8.10 of RSS-Gen, must also comply with the radiated emission limits specified in Section 8.9.

| Frequency<br>(MHz)     | Frequency<br>(MHz) | Frequency<br>(GHz) |
|------------------------|--------------------|--------------------|
| 0.009 - 0.110          | 240 - 285          | 9.0 - 9.2          |
| 2.1735 - 2.1905        | 322 - 335.4        | 9.3 - 9.5          |
| 3.020 - 3.026          | 399.9 - 410        | 10.6 - 12.7        |
| 4.125 - 4.128          | 608 - 614          | 13.25 - 13.4       |
| 4.17725 - 4.17775      | 960 - 1427         | 14.47 - 14.5       |
| 4.20725 - 4.20775      | 1435 - 1626.5      | 15.35 - 16.2       |
| 5.677 - 5.683          | 1645.5 - 1646.5    | 17.7 - 21.4        |
| 6.215 - 6.218          | 1660 - 1710        | 22.01 - 23.12      |
| 6.26775 - 6.26825      | 1718.8 -1722.2     | 23.6 - 24.0        |
| 6.31175 - 6.31225      | 2200 - 2300        | 31.2 - 31.8        |
| 8.291 - 8.294          | 2310 -2390         | 36.43 - 36.5       |
| 8.362 - 8.366          | 2655 - 2900        | Above 38.6         |
| 8.37625 - 8.38675      | 3260 - 3267        | --                 |
| 8.41425 - 8.41475      | 3332 -3339         |                    |
| 12.29 - 12.293         | 334.5 - 3358       |                    |
| 12.51975 - 12.52025    | 3500 - 4400        |                    |
| 12.57675 - 12.57725    | 4500 - 5150        |                    |
| 13.36 -13.41           | 5350 - 5460        |                    |
| 16.42 - 16.423         | 7250 - 7750        |                    |
| 16.69475 - 16.69525    | 8025 - 8500        |                    |
| 16.80425 - 16.80475    | --                 |                    |
| 25.5 - 25.67           |                    |                    |
| 37.5 - 38.25           |                    |                    |
| 73 - 74.6              |                    |                    |
| 74.8 - 75.2            |                    |                    |
| 108 - 138              |                    |                    |
| 156.52475 - 156.525225 |                    |                    |
| 156.7 - 156.9          |                    |                    |

All out of band emissions appearing in a restricted band as specified in Section 8.10 of the RSS-Gen

must not exceed the limits shown in Table per Section 8.9.

| RSS-Gen Section 8.9 |                          |                               |
|---------------------|--------------------------|-------------------------------|
| Frequency<br>[MHz]  | Field Strength<br>[uV/m] | Measured Distance<br>[Meters] |
| 0.009 - 0.490       | 2400/F (kHz)             | 300                           |
| 0.490 - 1.705       | 24000/F (kHz)            | 30                            |
| 1.705 - 30          | 30                       | 30                            |
| 30 - 88             | 100                      | 3                             |
| 88 - 216            | 150                      | 3                             |
| 216 - 960           | 200                      | 3                             |
| Above 960           | 500                      | 3                             |

#### 7.10.1. Test Procedure Used

ANSI C63.10 Section 6.3 (General Requirements)

ANSI C63.10 Section 6.6 (Standard test method above 1GHz)

#### 7.10.2. Test Setting

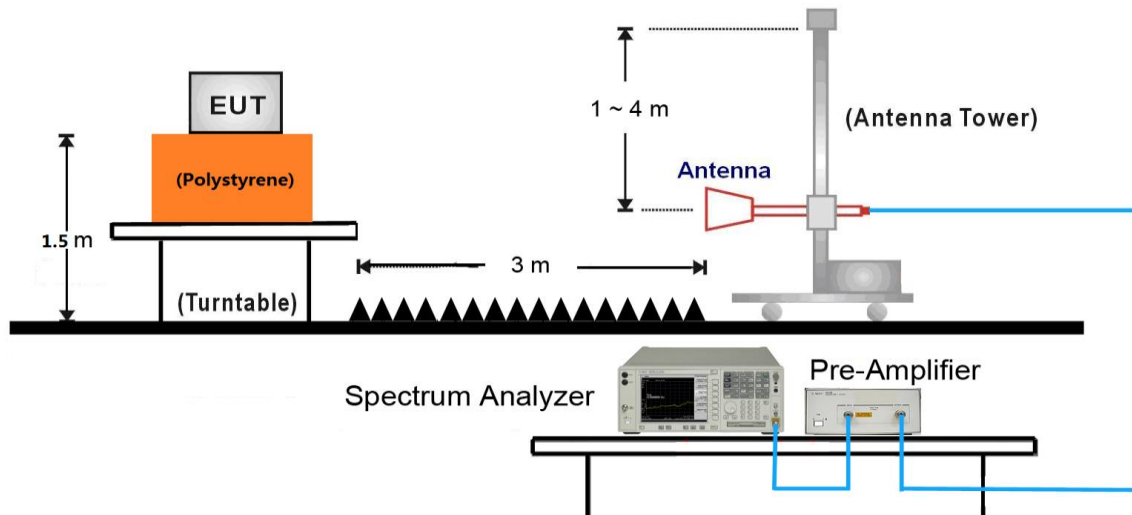
##### Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

### **Average Measurements above 1GHz (Method VB)**

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle  $\geq 98\%$ , set VBW = 10 Hz.  
If the EUT duty cycle is  $< 98\%$ , set VBW  $\geq 1/T$ . T is the minimum transmission duration.
4. Detector = Peak
5. Sweep time = auto
6. Trace mode = max hold
7. Trace was allowed to stabilize

#### **7.10.3.Test Setup**



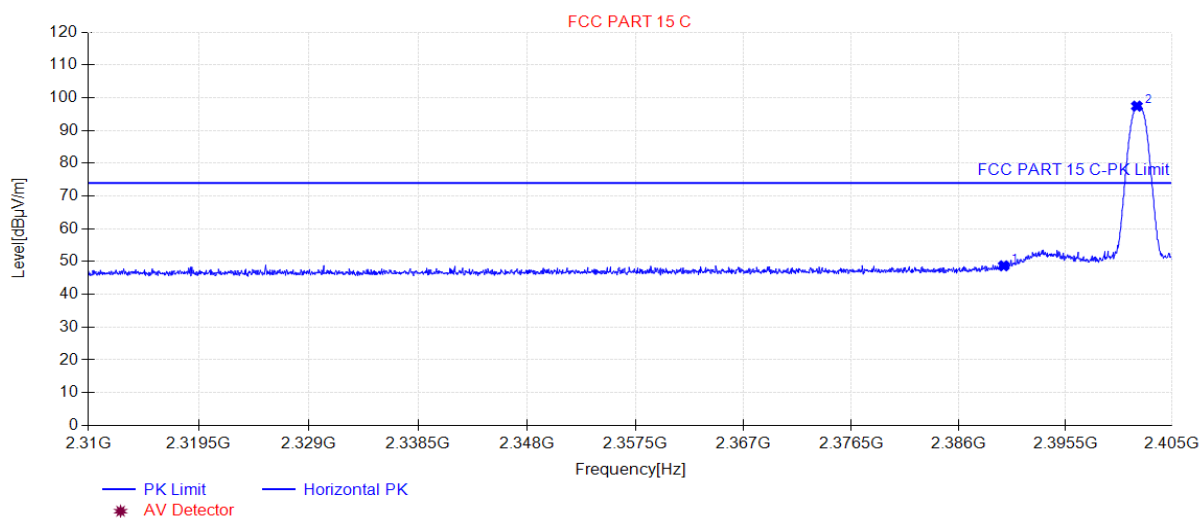


#### 7.10.4.Test Result

| Project Information |                                    |           |              |
|---------------------|------------------------------------|-----------|--------------|
| EUT:                | WYZE SPRINKLER                     | Model:    | WSPRK1       |
| SN:                 | N/A                                | Voltage:  | AC 120V/60Hz |
| Environment:        | Temp: 25°C; Humi:60%               | Engineer: | Line Chen    |
| Remark:             | Transmit by DH5 at Channel 2402MHz |           |              |

Start of Test:2020-06-17 11:26:12

#### Test Graph

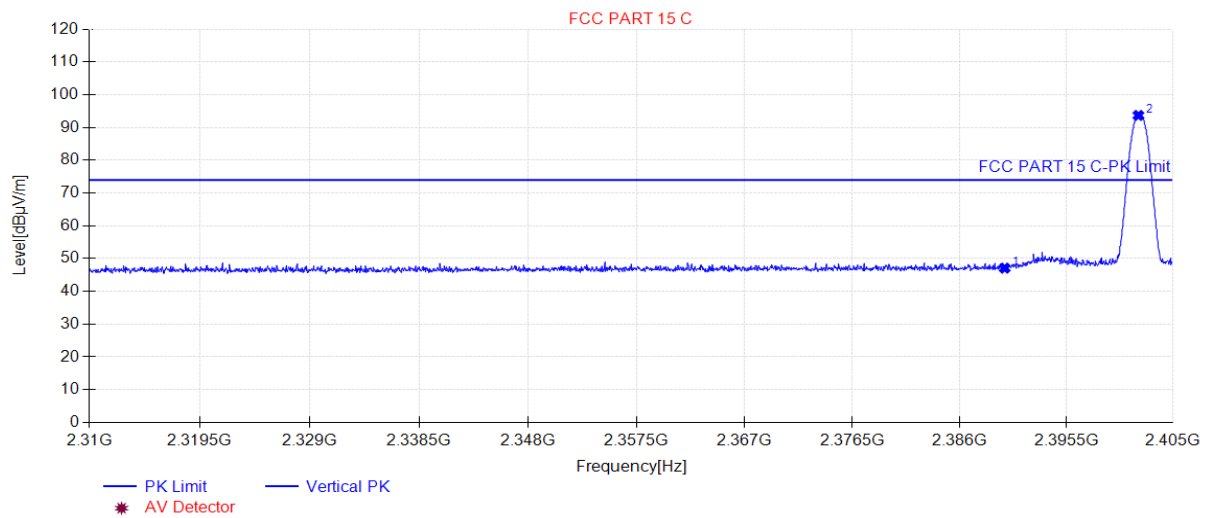


| Suspected Data List |             |                |             |                |             |             |           |            |
|---------------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.                 | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1                   | 2390.00     | 48.70          | 35.27       | 74.00          | 25.30       | 160         | 36        | Horizontal |
| 2                   | 2401.86     | 97.42          | 35.31       | N/A            | N/A         | 160         | 10        | Horizontal |

| Project Information |                                    |           |              |
|---------------------|------------------------------------|-----------|--------------|
| EUT:                | WYZE SPRINKLER                     | Model:    | WSPRK1       |
| SN:                 | N/A                                | Voltage:  | AC 120V/60Hz |
| Environment:        | Temp: 25°C; Humi:60%               | Engineer: | Line Chen    |
| Remark:             | Transmit by DH5 at Channel 2402MHz |           |              |

Start of Test:2020-06-17 11:32:55

### Test Graph

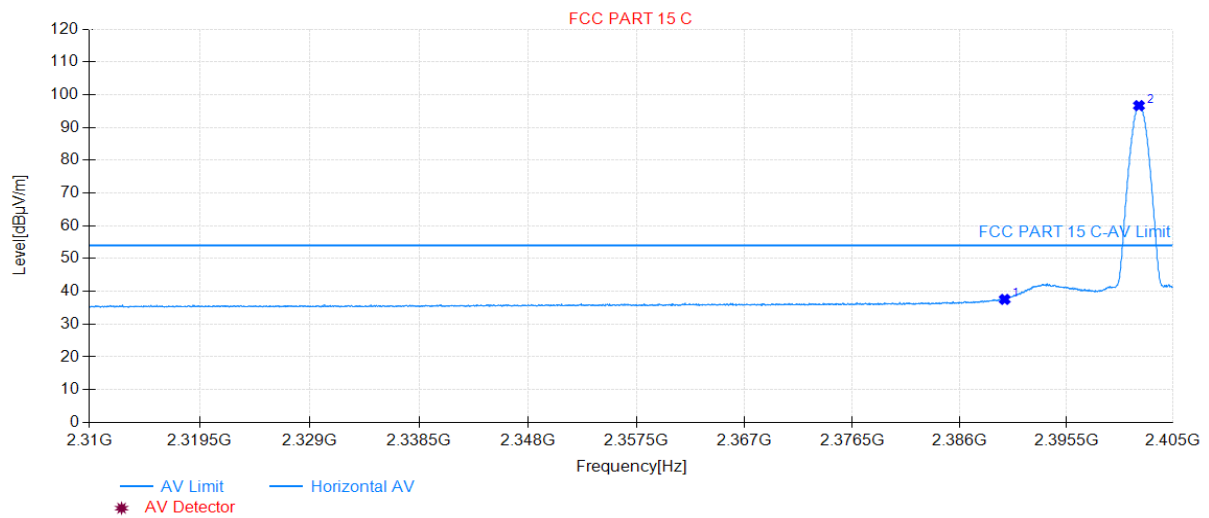


| Suspected Data List |             |                |             |                |             |             |           |          |
|---------------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.                 | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1                   | 2390.00     | 47.08          | 35.27       | 74.00          | 26.92       | 160         | 240       | Vertical |
| 2                   | 2401.91     | 93.67          | 35.31       | N/A            | N/A         | 160         | 232       | Vertical |

| Project Information |                                    |           |              |
|---------------------|------------------------------------|-----------|--------------|
| EUT:                | WYZE SPRINKLER                     | Model:    | WSPRK1       |
| SN:                 | N/A                                | Voltage:  | AC 120V/60Hz |
| Environment:        | Temp: 25°C; Humi:60%               | Engineer: | Line Chen    |
| Remark:             | Transmit by DH5 at Channel 2402MHz |           |              |

Start of Test:2020-06-17 11:35:15

### Test Graph

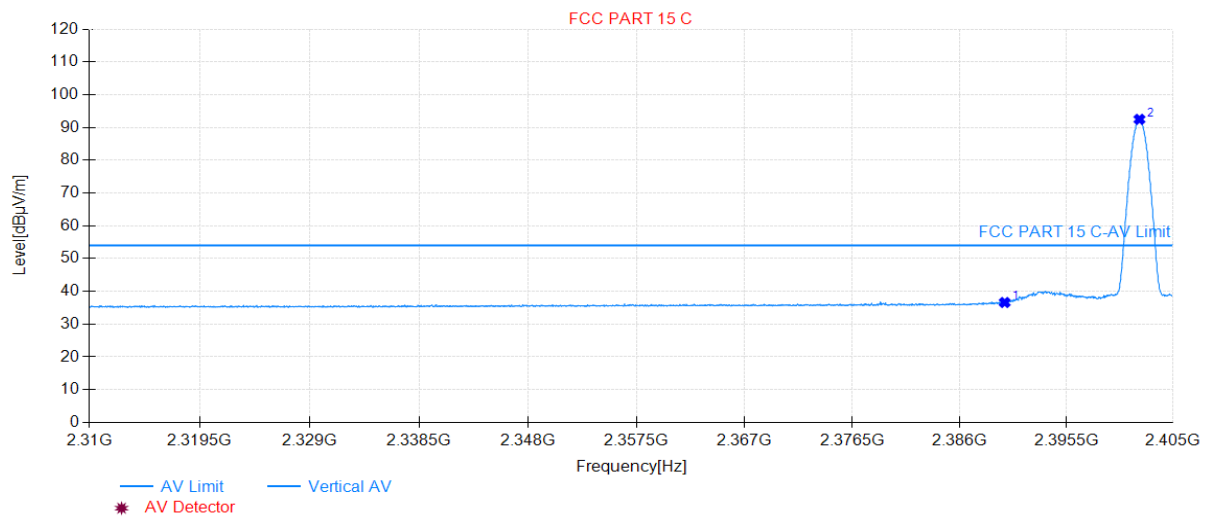


| Suspected Data List |                |                   |                |                   |                |                |              |            |
|---------------------|----------------|-------------------|----------------|-------------------|----------------|----------------|--------------|------------|
| NO.                 | Freq.<br>[MHz] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Polarity   |
| 1                   | 2390.00        | 37.55             | 35.27          | 54.00             | 16.45          | 160            | 359          | Horizontal |
| 2                   | 2401.96        | 96.66             | 35.31          | N/A               | N/A            | 160            | 13           | Horizontal |

| Project Information |                                    |           |              |
|---------------------|------------------------------------|-----------|--------------|
| EUT:                | WYZE SPRINKLER                     | Model:    | WSPRK1       |
| SN:                 | N/A                                | Voltage:  | AC 120V/60Hz |
| Environment:        | Temp: 25°C; Humi:60%               | Engineer: | Line Chen    |
| Remark:             | Transmit by DH5 at Channel 2402MHz |           |              |

Start of Test:2020-06-17 11:37:33

### Test Graph

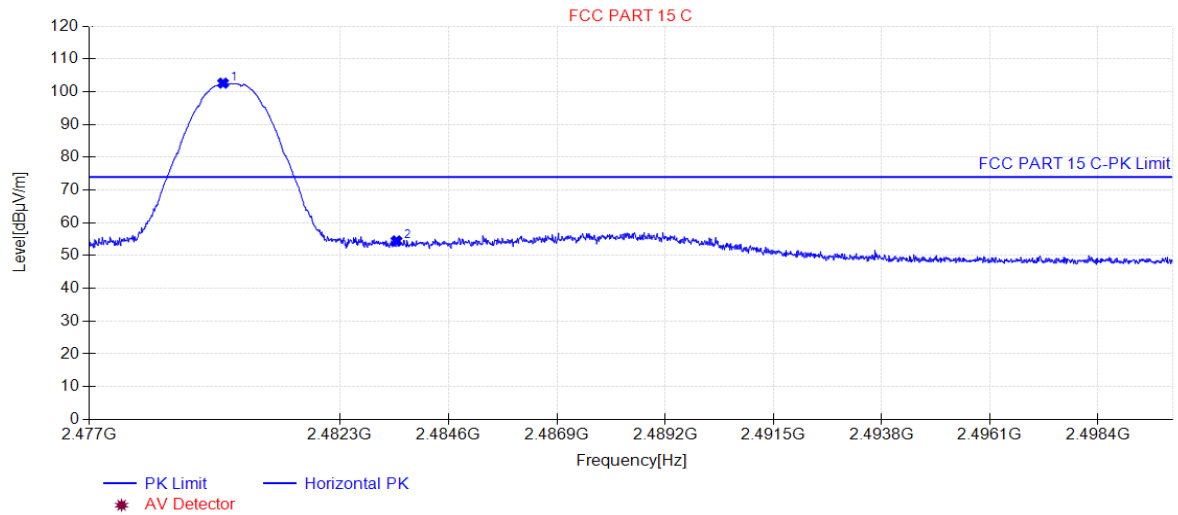


| Suspected Data List |             |                |             |                |             |             |           |          |
|---------------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.                 | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1                   | 2390.00     | 36.60          | 35.27       | 54.00          | 17.40       | 160         | 248       | Vertical |
| 2                   | 2402.00     | 92.48          | 35.31       | N/A            | N/A         | 160         | 246       | Vertical |

| Project Information |                                    |           |              |
|---------------------|------------------------------------|-----------|--------------|
| EUT:                | WYZE SPRINKLER                     | Model:    | WSPRK1       |
| SN:                 | N/A                                | Voltage:  | AC 120V/60Hz |
| Environment:        | Temp: 25°C; Humi:60%               | Engineer: | Line Chen    |
| Remark:             | Transmit by DH5 at Channel 2480MHz |           |              |

Start of Test:2020-06-17 13:54:46

### Test Graph

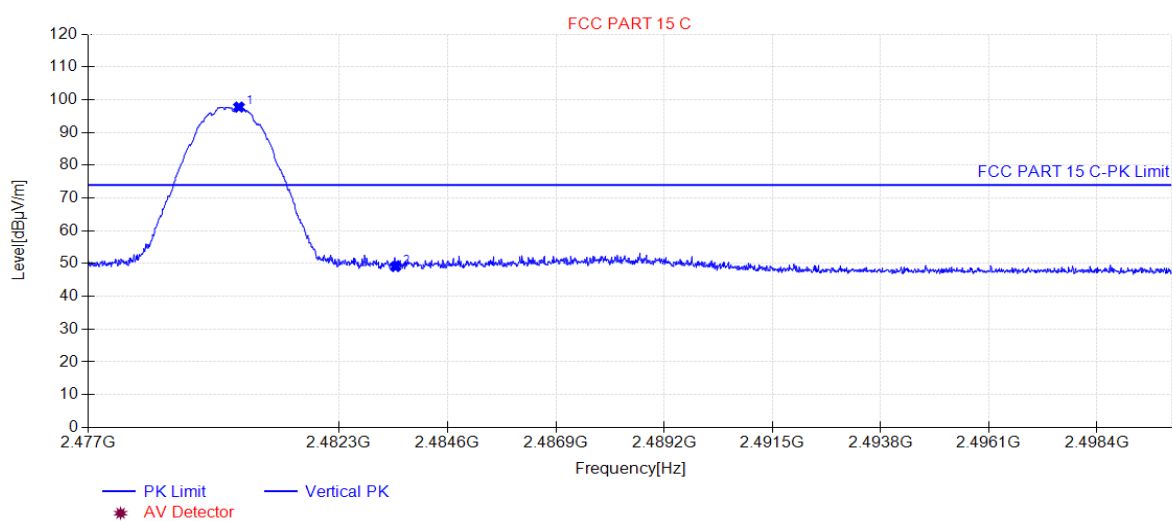


| Suspected Data List |             |                |             |                |             |             |           |            |
|---------------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.                 | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1                   | 2479.82     | 102.60         | 35.48       | N/A            | N/A         | 160         | 2         | Horizontal |
| 2                   | 2483.50     | 54.47          | 35.48       | 74.00          | 19.53       | 160         | 5         | Horizontal |

| Project Information |                                    |           |              |
|---------------------|------------------------------------|-----------|--------------|
| EUT:                | WYZE SPRINKLER                     | Model:    | WSPRK1       |
| SN:                 | N/A                                | Voltage:  | AC 120V/60Hz |
| Environment:        | Temp: 25°C; Humi:60%               | Engineer: | Line Chen    |
| Remark:             | Transmit by DH5 at Channel 2480MHz |           |              |

Start of Test:2020-06-17 13:56:34

### Test Graph

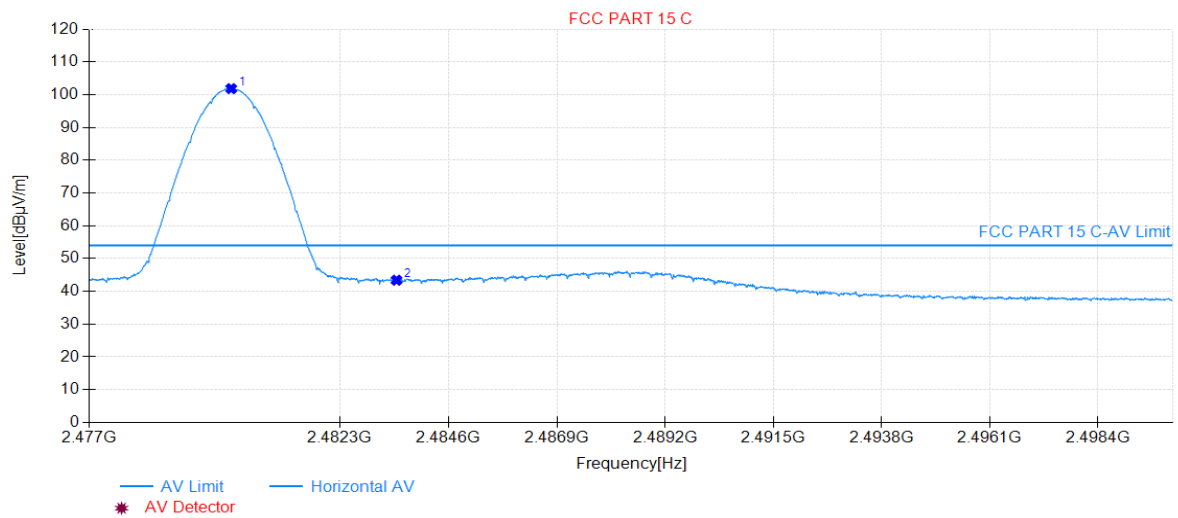


| Suspected Data List |             |                |             |                |             |             |           |          |
|---------------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.                 | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1                   | 2480.18     | 97.76          | 35.48       | N/A            | N/A         | 160         | 248       | Vertical |
| 2                   | 2483.50     | 49.09          | 35.48       | 74.00          | 24.91       | 160         | 253       | Vertical |

| Project Information |                                    |           |              |
|---------------------|------------------------------------|-----------|--------------|
| EUT:                | WYZE SPRINKLER                     | Model:    | WSPRK1       |
| SN:                 | N/A                                | Voltage:  | AC 120V/60Hz |
| Environment:        | Temp: 25°C; Humi:60%               | Engineer: | Line Chen    |
| Remark:             | Transmit by DH5 at Channel 2480MHz |           |              |

Start of Test:2020-06-17 13:59:02

### Test Graph

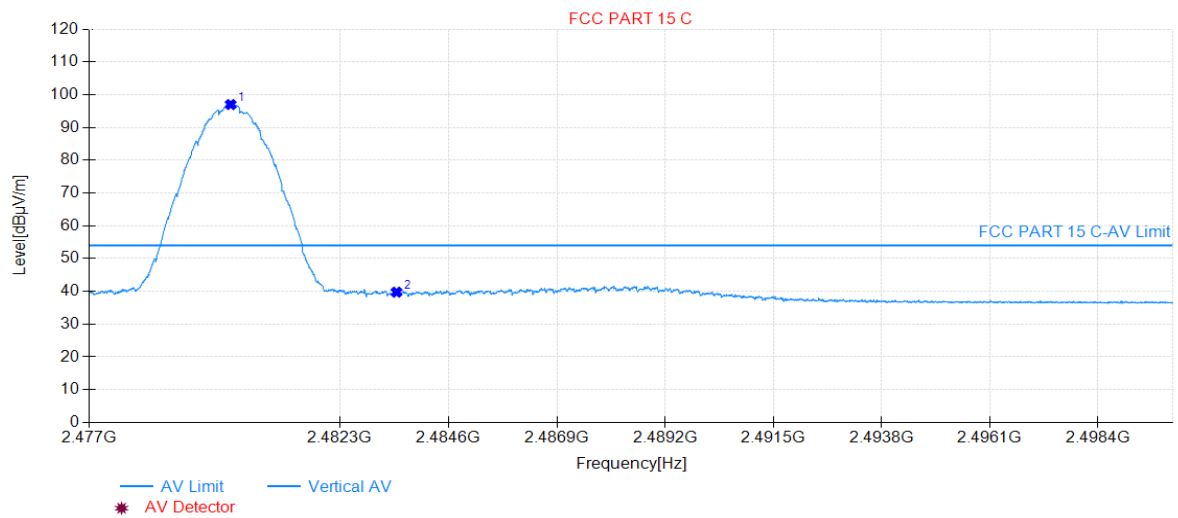


| Suspected Data List |             |                |             |                |             |             |           |            |
|---------------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.                 | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1                   | 2480.00     | 101.85         | 35.48       | N/A            | N/A         | 160         | 0         | Horizontal |
| 2                   | 2483.50     | 43.40          | 35.48       | 54.00          | 10.60       | 160         | 1         | Horizontal |

| Project Information |                                    |           |              |
|---------------------|------------------------------------|-----------|--------------|
| EUT:                | WYZE SPRINKLER                     | Model:    | WSPRK1       |
| SN:                 | N/A                                | Voltage:  | AC 120V/60Hz |
| Environment:        | Temp: 25°C; Humi:60%               | Engineer: | Line Chen    |
| Remark:             | Transmit by DH5 at Channel 2480MHz |           |              |

Start of Test:2020-06-17 14:01:07

### Test Graph



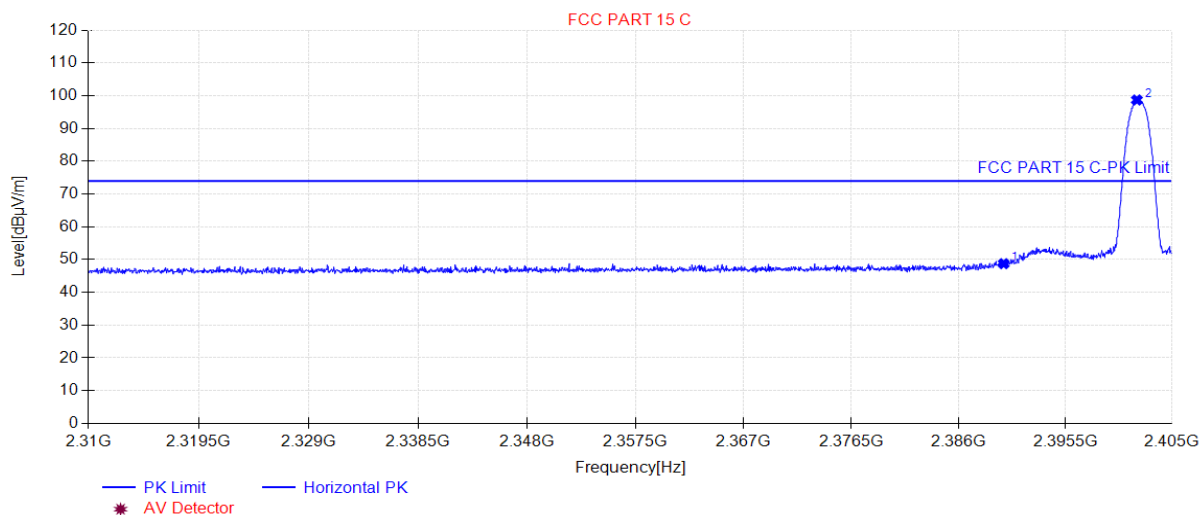
| Suspected Data List |                |                   |                |                   |                |                |              |          |
|---------------------|----------------|-------------------|----------------|-------------------|----------------|----------------|--------------|----------|
| NO.                 | Freq.<br>[MHz] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Polarity |
| 1                   | 2479.99        | 96.99             | 35.48          | N/A               | N/A            | 160            | 250          | Vertical |
| 2                   | 2483.50        | 39.75             | 35.48          | 54.00             | 14.25          | 160            | 253          | Vertical |



| Project Information |                                     |           |              |
|---------------------|-------------------------------------|-----------|--------------|
| EUT:                | WYZE SPRINKLER                      | Model:    | WSPRK1       |
| SN:                 | N/A                                 | Voltage:  | AC 120V/60Hz |
| Environment:        | Temp: 25°C; Humi:60%                | Engineer: | Line Chen    |
| Remark:             | Transmit by 2DH5 at Channel 2402MHz |           |              |

Start of Test:2020-06-17 11:45:21

### Test Graph

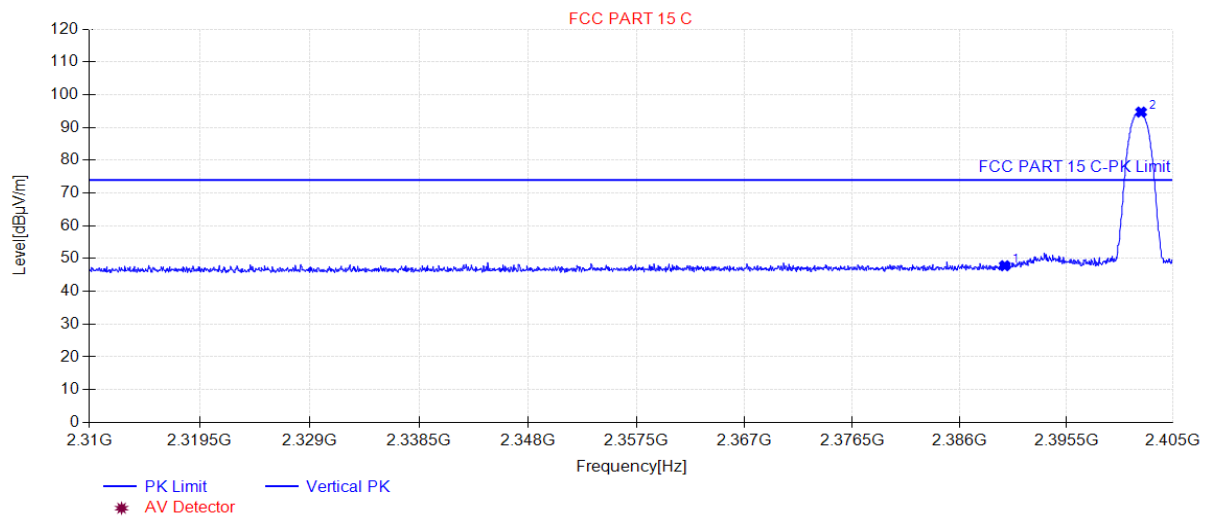


| Suspected Data List |             |                |             |                |             |             |           |            |
|---------------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.                 | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1                   | 2390.00     | 48.75          | 35.27       | 74.00          | 25.25       | 160         | 37        | Horizontal |
| 2                   | 2401.86     | 98.69          | 35.31       | N/A            | N/A         | 160         | 12        | Horizontal |

| Project Information |                                     |           |              |
|---------------------|-------------------------------------|-----------|--------------|
| EUT:                | WYZE SPRINKLER                      | Model:    | WSPRK1       |
| SN:                 | N/A                                 | Voltage:  | AC 120V/60Hz |
| Environment:        | Temp: 25°C; Humi:60%                | Engineer: | Line Chen    |
| Remark:             | Transmit by 2DH5 at Channel 2402MHz |           |              |

Start of Test:2020-06-17 11:46:29

### Test Graph

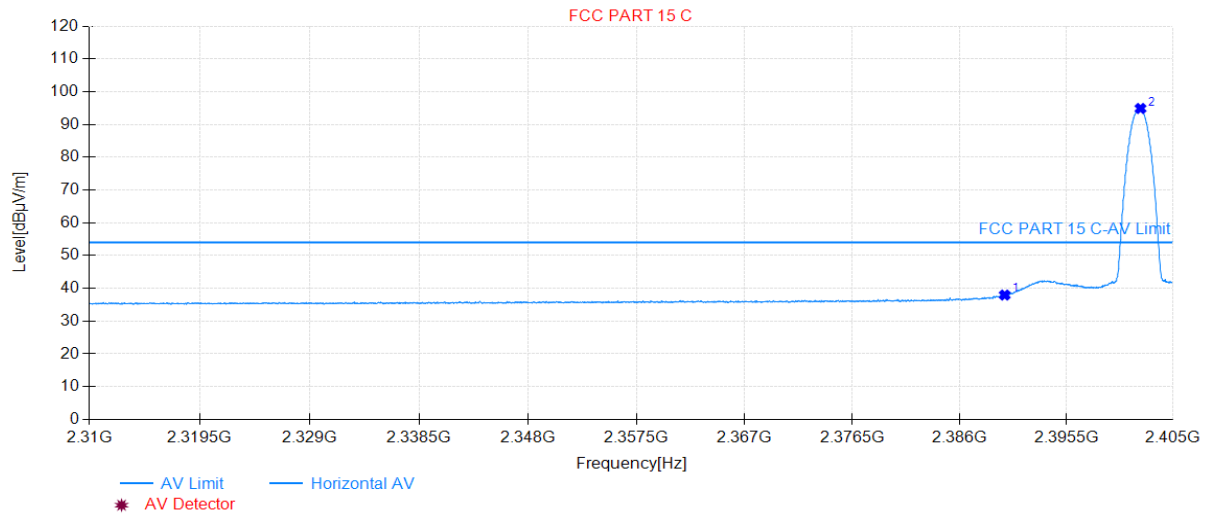


| Suspected Data List |                |                   |                |                   |                |                |              |          |
|---------------------|----------------|-------------------|----------------|-------------------|----------------|----------------|--------------|----------|
| NO.                 | Freq.<br>[MHz] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Polarity |
| 1                   | 2390.00        | 47.81             | 35.27          | 74.00             | 26.19          | 160            | 120          | Vertical |
| 2                   | 2402.15        | 94.69             | 35.31          | N/A               | N/A            | 160            | 246          | Vertical |

| Project Information |                                     |           |              |
|---------------------|-------------------------------------|-----------|--------------|
| EUT:                | WYZE SPRINKLER                      | Model:    | WSPRK1       |
| SN:                 | N/A                                 | Voltage:  | AC 120V/60Hz |
| Environment:        | Temp: 25°C; Humi:60%                | Engineer: | Line Chen    |
| Remark:             | Transmit by 2DH5 at Channel 2402MHz |           |              |

Start of Test:2020-06-17 11:40:44

### Test Graph

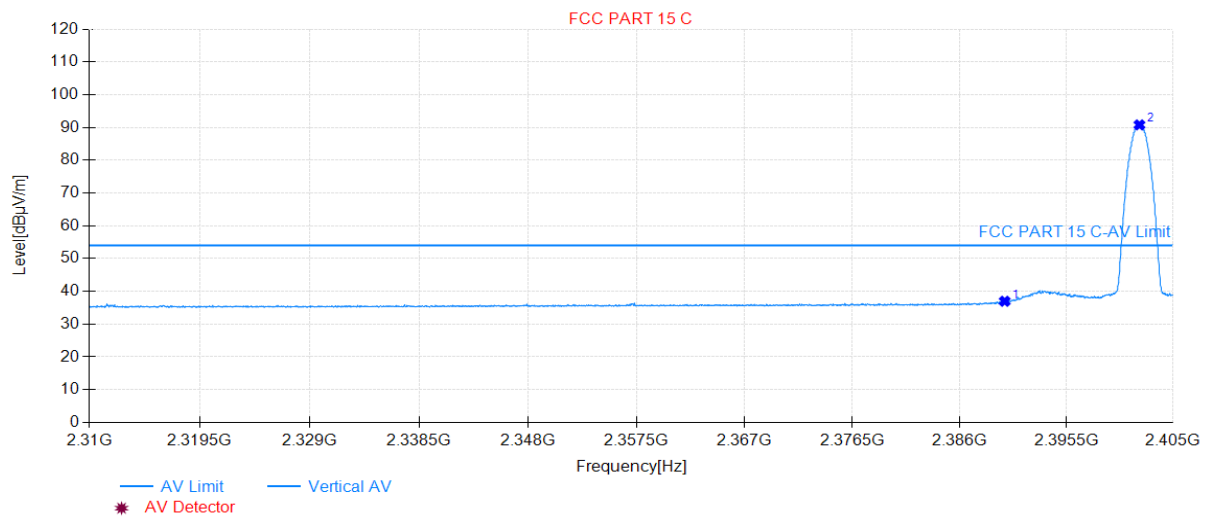


| Suspected Data List |             |                |             |                |             |             |           |            |
|---------------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.                 | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1                   | 2390.00     | 37.96          | 35.27       | 54.00          | 16.04       | 160         | 44        | Horizontal |
| 2                   | 2402.10     | 94.87          | 35.31       | N/A            | N/A         | 160         | 359       | Horizontal |

| Project Information |                                     |           |              |
|---------------------|-------------------------------------|-----------|--------------|
| EUT:                | WYZE SPRINKLER                      | Model:    | WSPRK1       |
| SN:                 | N/A                                 | Voltage:  | AC 120V/60Hz |
| Environment:        | Temp: 25°C; Humi:60%                | Engineer: | Line Chen    |
| Remark:             | Transmit by 2DH5 at Channel 2402MHz |           |              |

Start of Test:2020-06-17 11:41:52

### Test Graph

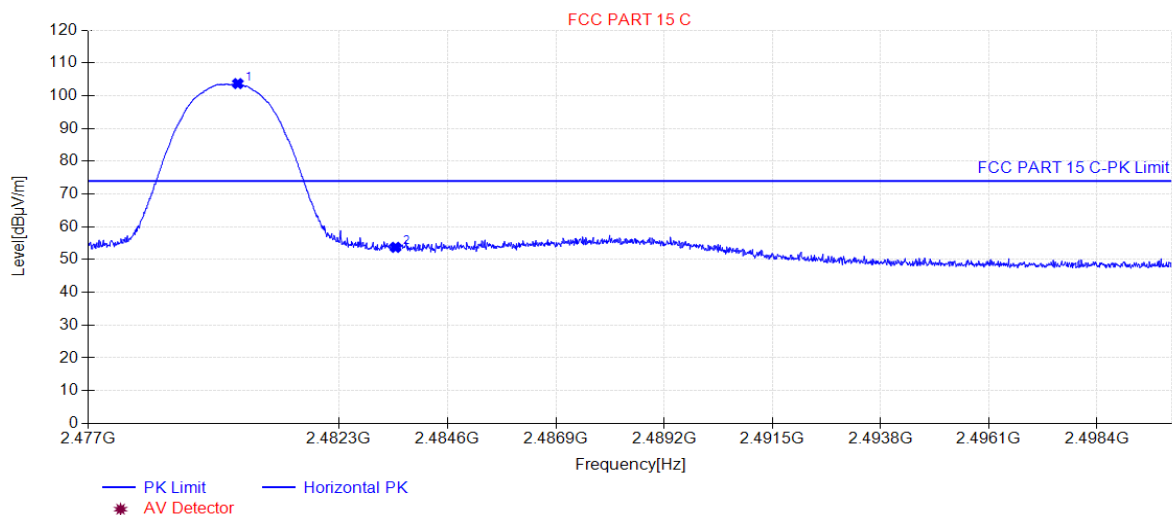


| Suspected Data List |             |                |             |                |             |             |           |          |
|---------------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.                 | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1                   | 2390.00     | 36.97          | 35.27       | 54.00          | 17.03       | 160         | 236       | Vertical |
| 2                   | 2402.00     | 90.78          | 35.31       | N/A            | N/A         | 160         | 234       | Vertical |

| Project Information |                                     |           |              |
|---------------------|-------------------------------------|-----------|--------------|
| EUT:                | WYZE SPRINKLER                      | Model:    | WSPRK1       |
| SN:                 | N/A                                 | Voltage:  | AC 120V/60Hz |
| Environment:        | Temp: 25°C; Humi:60%                | Engineer: | Line Chen    |
| Remark:             | Transmit by 2DH5 at Channel 2480MHz |           |              |

Start of Test:2020-06-17 16:00:22

### Test Graph

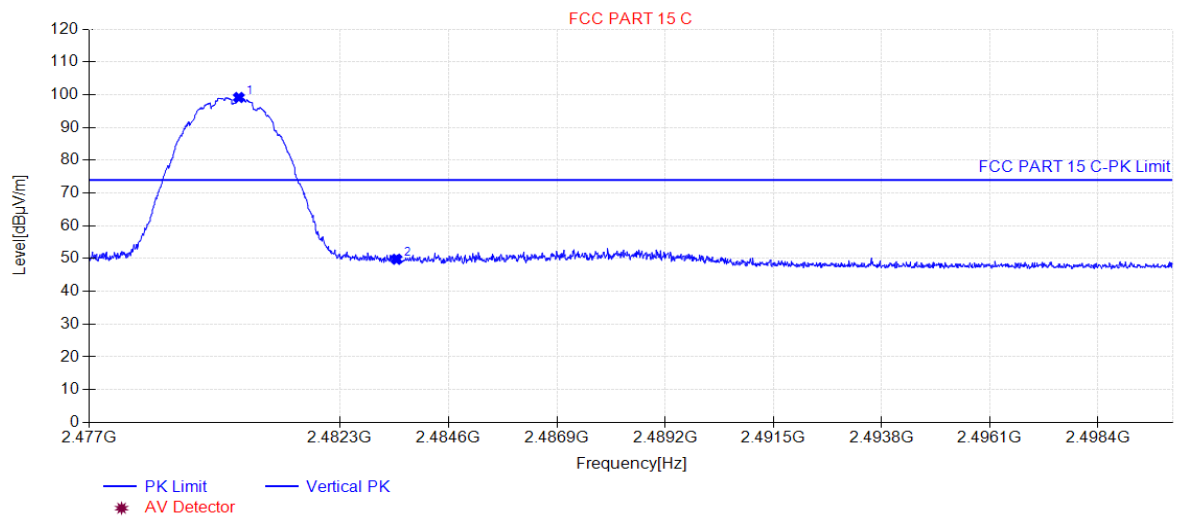


| Suspected Data List |             |                |             |                |             |             |           |            |
|---------------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.                 | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1                   | 2480.16     | 103.69         | 35.48       | N/A            | N/A         | 160         | 4         | Horizontal |
| 2                   | 2483.50     | 53.73          | 35.48       | 74.00          | 20.27       | 160         | 0         | Horizontal |

| Project Information |                                     |           |              |
|---------------------|-------------------------------------|-----------|--------------|
| EUT:                | WYZE SPRINKLER                      | Model:    | WSPRK1       |
| SN:                 | N/A                                 | Voltage:  | AC 120V/60Hz |
| Environment:        | Temp: 25°C; Humi:60%                | Engineer: | Line Chen    |
| Remark:             | Transmit by 2DH5 at Channel 2480MHz |           |              |

Start of Test:2020-06-17 16:01:33

### Test Graph

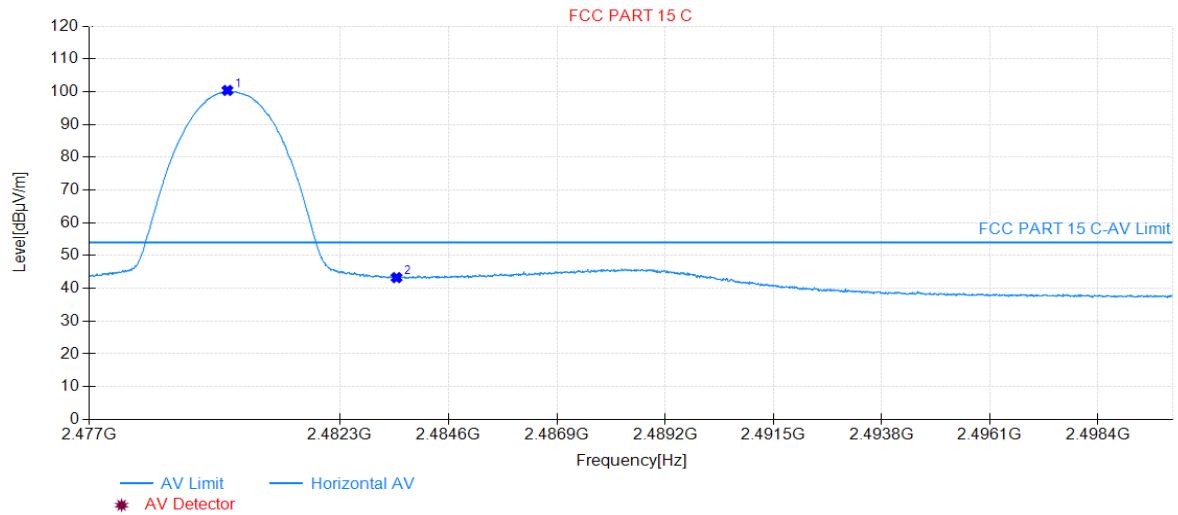


| Suspected Data List |             |                |             |                |             |             |           |          |
|---------------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.                 | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1                   | 2480.16     | 99.14          | 35.48       | N/A            | N/A         | 160         | 250       | Vertical |
| 2                   | 2483.50     | 49.79          | 35.48       | 74.00          | 24.21       | 160         | 245       | Vertical |

| Project Information |                                     |           |              |
|---------------------|-------------------------------------|-----------|--------------|
| EUT:                | WYZE SPRINKLER                      | Model:    | WSPRK1       |
| SN:                 | N/A                                 | Voltage:  | AC 120V/60Hz |
| Environment:        | Temp: 25°C; Humi:60%                | Engineer: | Line Chen    |
| Remark:             | Transmit by 2DH5 at Channel 2480MHz |           |              |

Start of Test:2020-06-17 15:54:37

### Test Graph

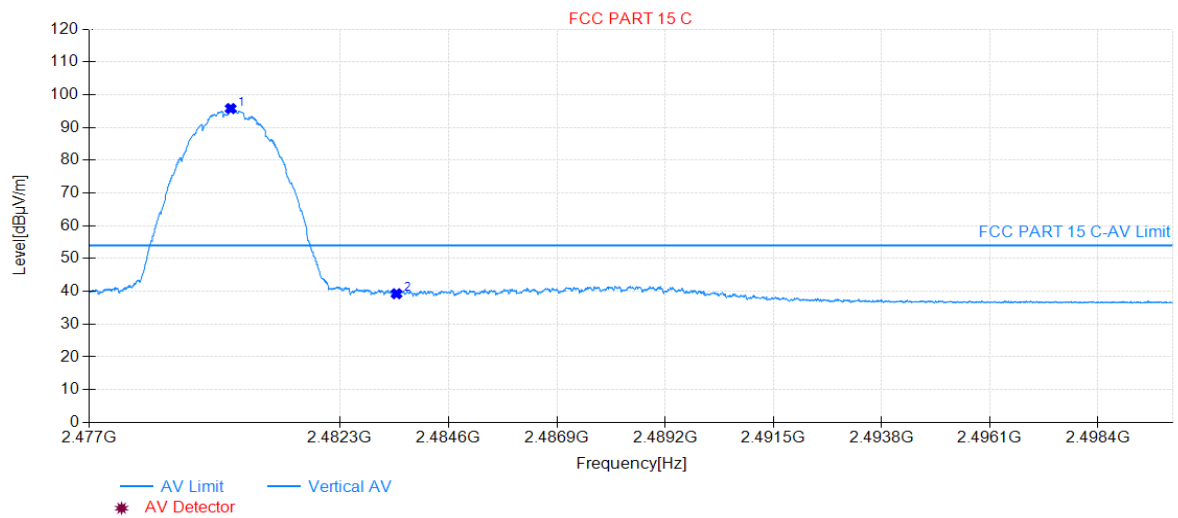


| Suspected Data List |             |                |             |                |             |             |           |            |
|---------------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.                 | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1                   | 2479.92     | 100.39         | 35.48       | N/A            | N/A         | 160         | 357       | Horizontal |
| 2                   | 2483.50     | 43.27          | 35.48       | 54.00          | 10.73       | 160         | 357       | Horizontal |

| Project Information |                                     |           |              |
|---------------------|-------------------------------------|-----------|--------------|
| EUT:                | WYZE SPRINKLER                      | Model:    | WSPRK1       |
| SN:                 | N/A                                 | Voltage:  | AC 120V/60Hz |
| Environment:        | Temp: 25°C; Humi:60%                | Engineer: | Line Chen    |
| Remark:             | Transmit by 2DH5 at Channel 2480MHz |           |              |

Start of Test:2020-06-17 15:55:48

### Test Graph



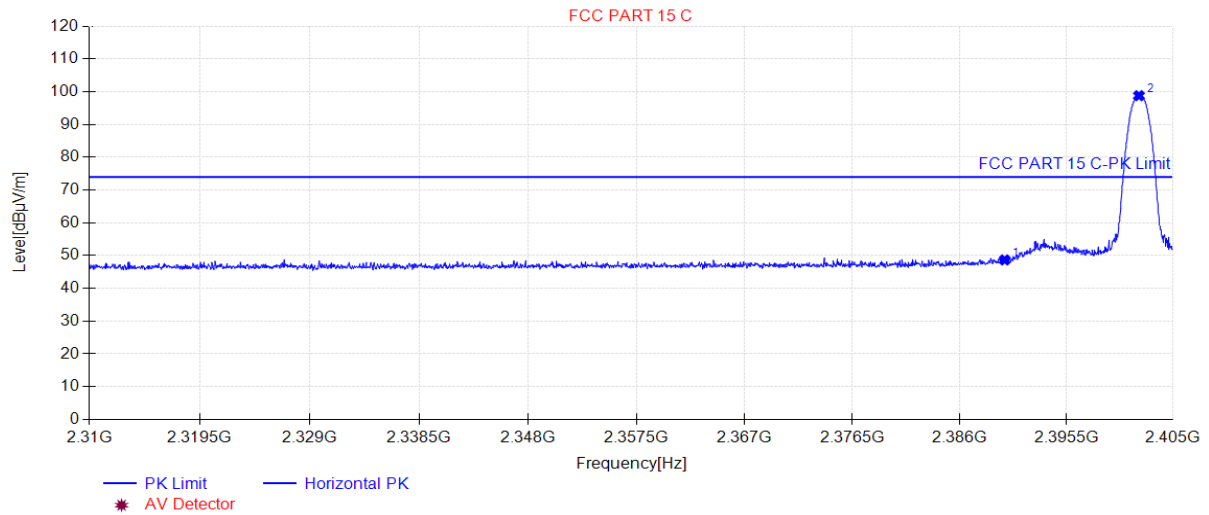
| Suspected Data List |             |                |             |                |             |             |           |          |
|---------------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.                 | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1                   | 2479.99     | 95.76          | 35.48       | N/A            | N/A         | 160         | 254       | Vertical |
| 2                   | 2483.50     | 39.27          | 35.48       | 54.00          | 14.73       | 160         | 164       | Vertical |



| Project Information |                                     |           |              |
|---------------------|-------------------------------------|-----------|--------------|
| EUT:                | WYZE SPRINKLER                      | Model:    | WSPRK1       |
| SN:                 | N/A                                 | Voltage:  | AC 120V/60Hz |
| Environment:        | Temp: 25°C; Humi:60%                | Engineer: | Line Chen    |
| Remark:             | Transmit by 3DH5 at Channel 2402MHz |           |              |

Start of Test:2020-06-17 11:50:06

### Test Graph

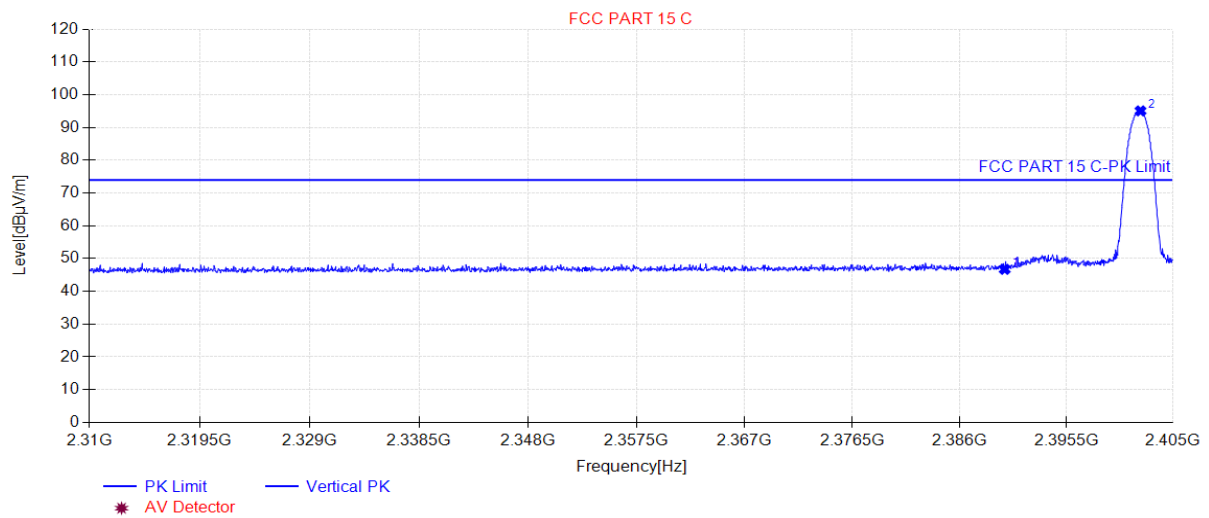


| Suspected Data List |             |                |             |                |             |             |           |            |
|---------------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.                 | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1                   | 2390.00     | 48.67          | 35.27       | 74.00          | 25.33       | 160         | 6         | Horizontal |
| 2                   | 2401.96     | 98.78          | 35.31       | N/A            | N/A         | 160         | 14        | Horizontal |

| Project Information |                                     |           |              |
|---------------------|-------------------------------------|-----------|--------------|
| EUT:                | WYZE SPRINKLER                      | Model:    | WSPRK1       |
| SN:                 | N/A                                 | Voltage:  | AC 120V/60Hz |
| Environment:        | Temp: 25°C; Humi:60%                | Engineer: | Line Chen    |
| Remark:             | Transmit by 3DH5 at Channel 2402MHz |           |              |

Start of Test:2020-06-17 11:51:14

### Test Graph

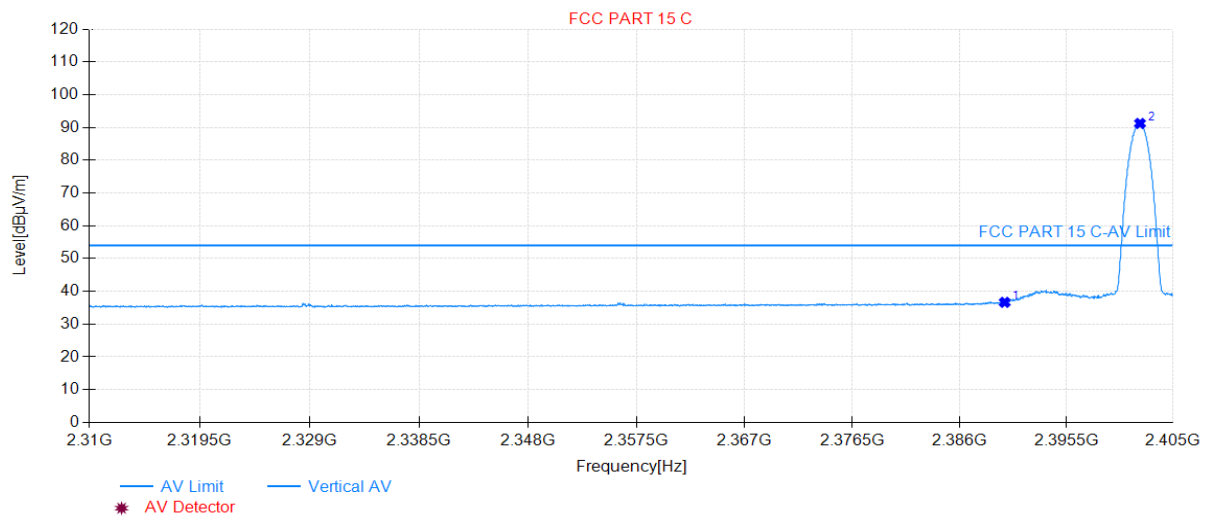


| Suspected Data List |             |                |             |                |             |             |           |          |
|---------------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.                 | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1                   | 2390.00     | 46.73          | 35.27       | 74.00          | 27.27       | 160         | 134       | Vertical |
| 2                   | 2402.10     | 95.05          | 35.31       | N/A            | N/A         | 160         | 243       | Vertical |

| Project Information |                                     |           |              |
|---------------------|-------------------------------------|-----------|--------------|
| EUT:                | WYZE SPRINKLER                      | Model:    | WSPRK1       |
| SN:                 | N/A                                 | Voltage:  | AC 120V/60Hz |
| Environment:        | Temp: 25°C; Humi:60%                | Engineer: | Line Chen    |
| Remark:             | Transmit by 3DH5 at Channel 2402MHz |           |              |

Start of Test:2020-06-17 13:31:49

### Test Graph

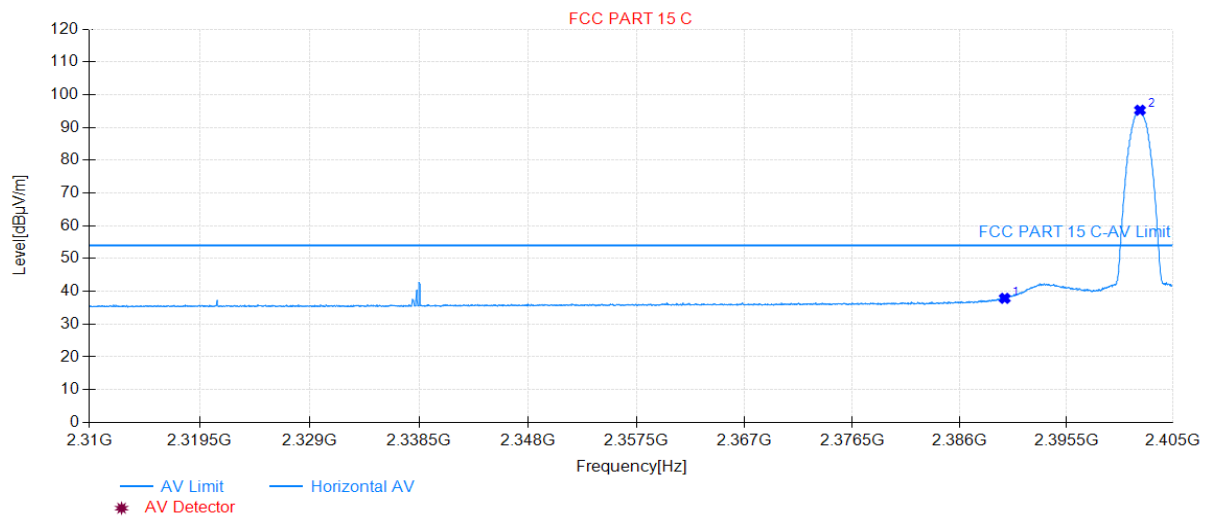


| Suspected Data List |                |                   |                |                   |                |                |              |          |
|---------------------|----------------|-------------------|----------------|-------------------|----------------|----------------|--------------|----------|
| NO.                 | Freq.<br>[MHz] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Polarity |
| 1                   | 2390.00        | 36.65             | 35.27          | 54.00             | 17.35          | 160            | 0            | Vertical |
| 2                   | 2402.05        | 91.23             | 35.31          | N/A               | N/A            | 160            | 0            | Vertical |

| Project Information |                                     |           |              |
|---------------------|-------------------------------------|-----------|--------------|
| EUT:                | WYZE SPRINKLER                      | Model:    | WSPRK1       |
| SN:                 | N/A                                 | Voltage:  | AC 120V/60Hz |
| Environment:        | Temp: 25°C; Humi:60%                | Engineer: | Line Chen    |
| Remark:             | Transmit by 3DH5 at Channel 2402MHz |           |              |

Start of Test:2020-06-17 13:35:07

### Test Graph

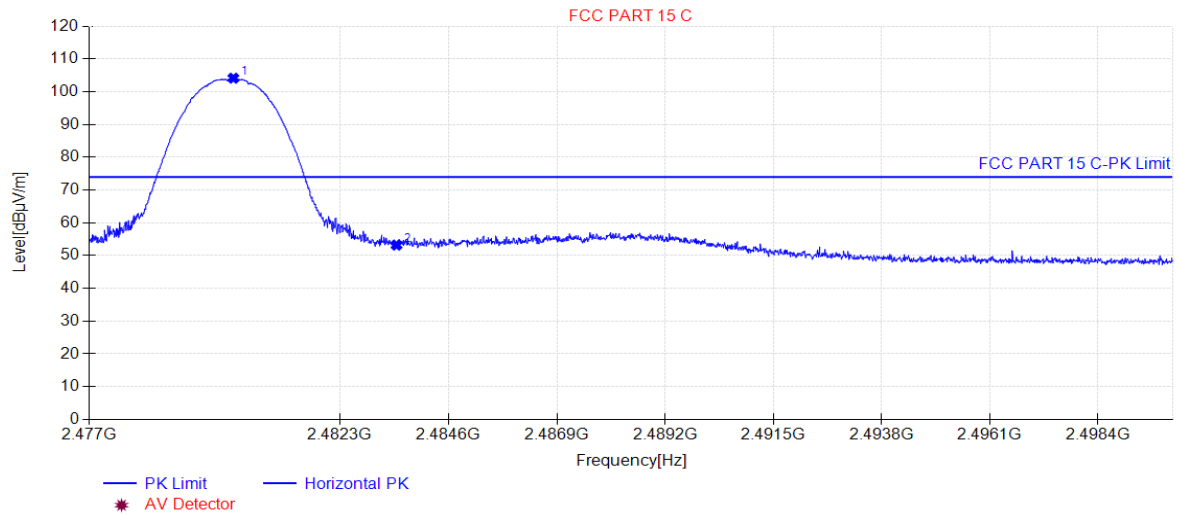


| Suspected Data List |             |                |             |                |             |             |           |            |
|---------------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.                 | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1                   | 2390.00     | 37.87          | 35.27       | 54.00          | 16.13       | 160         | 346       | Horizontal |
| 2                   | 2402.05     | 95.27          | 35.31       | N/A            | N/A         | 160         | 44        | Horizontal |

| Project Information |                                     |           |              |
|---------------------|-------------------------------------|-----------|--------------|
| EUT:                | WYZE SPRINKLER                      | Model:    | WSPRK1       |
| SN:                 | N/A                                 | Voltage:  | AC 120V/60Hz |
| Environment:        | Temp: 25°C; Humi:60%                | Engineer: | Line Chen    |
| Remark:             | Transmit by 3DH5 at Channel 2480MHz |           |              |

Start of Test:2020-06-17 16:05:04

### Test Graph

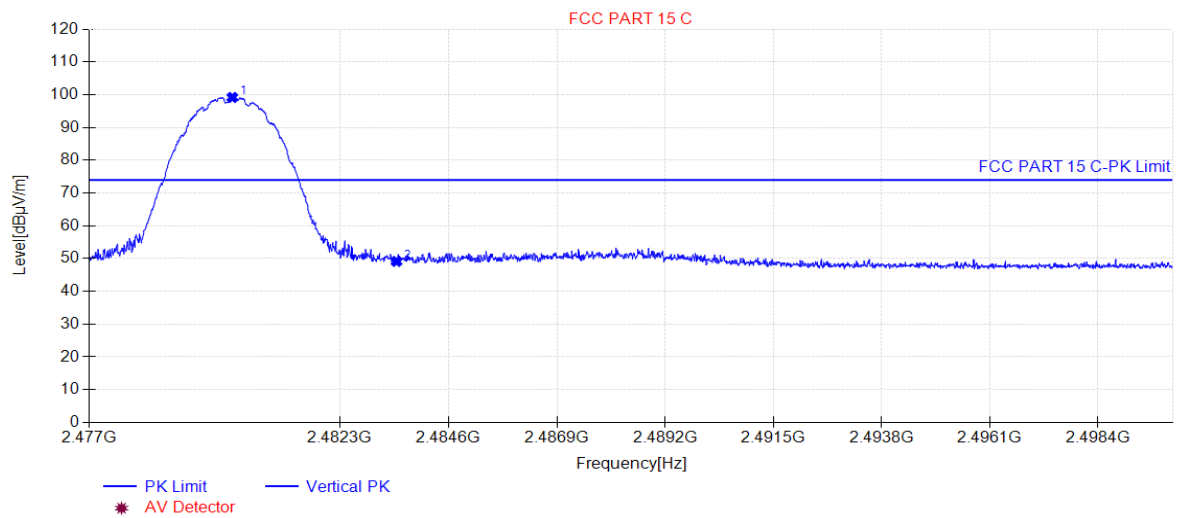


| Suspected Data List |             |                |             |                |             |             |           |            |
|---------------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.                 | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1                   | 2480.04     | 104.12         | 35.48       | N/A            | N/A         | 160         | 357       | Horizontal |
| 2                   | 2483.50     | 53.21          | 35.48       | 74.00          | 20.79       | 160         | 8         | Horizontal |

| Project Information |                                     |           |              |
|---------------------|-------------------------------------|-----------|--------------|
| EUT:                | WYZE SPRINKLER                      | Model:    | WSPRK1       |
| SN:                 | N/A                                 | Voltage:  | AC 120V/60Hz |
| Environment:        | Temp: 25°C; Humi:60%                | Engineer: | Line Chen    |
| Remark:             | Transmit by 3DH5 at Channel 2480MHz |           |              |

Start of Test:2020-06-17 16:06:15

### Test Graph

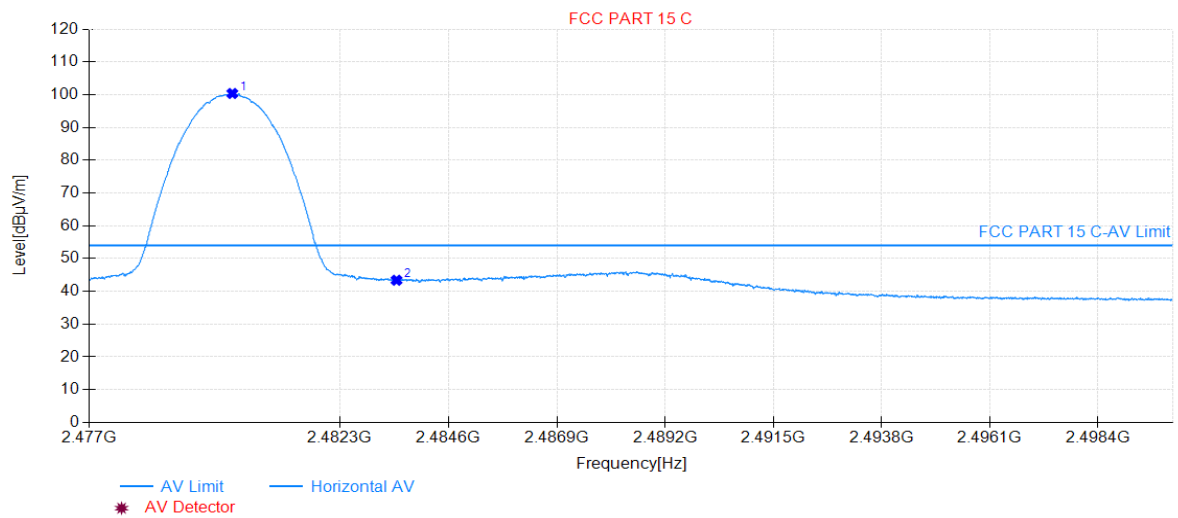


| Suspected Data List |             |                |             |                |             |             |           |          |
|---------------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.                 | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1                   | 2480.02     | 99.16          | 35.48       | N/A            | N/A         | 160         | 249       | Vertical |
| 2                   | 2483.50     | 49.14          | 35.48       | 74.00          | 24.86       | 160         | 157       | Vertical |

| Project Information |                                     |           |              |
|---------------------|-------------------------------------|-----------|--------------|
| EUT:                | WYZE SPRINKLER                      | Model:    | WSPRK1       |
| SN:                 | N/A                                 | Voltage:  | AC 120V/60Hz |
| Environment:        | Temp: 25°C; Humi:60%                | Engineer: | Line Chen    |
| Remark:             | Transmit by 3DH5 at Channel 2480MHz |           |              |

Start of Test:2020-06-17 16:09:52

### Test Graph

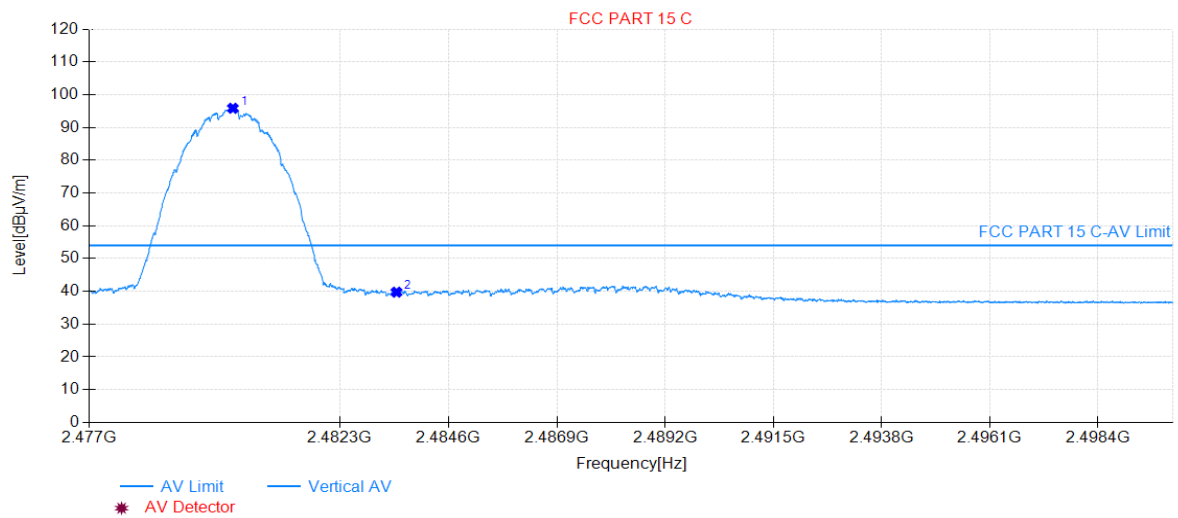


| Suspected Data List |             |                |             |                |             |             |           |            |
|---------------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.                 | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1                   | 2480.02     | 100.37         | 35.48       | N/A            | N/A         | 160         | 0         | Horizontal |
| 2                   | 2483.50     | 43.39          | 35.48       | 54.00          | 10.61       | 160         | 357       | Horizontal |

| Project Information |                                     |           |              |
|---------------------|-------------------------------------|-----------|--------------|
| EUT:                | WYZE SPRINKLER                      | Model:    | WSPRK1       |
| SN:                 | N/A                                 | Voltage:  | AC 120V/60Hz |
| Environment:        | Temp: 25°C; Humi:60%                | Engineer: | Line Chen    |
| Remark:             | Transmit by 3DH5 at Channel 2480MHz |           |              |

Start of Test:2020-06-17 16:11:03

### Test Graph



| Suspected Data List |             |                |             |                |             |             |           |          |
|---------------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.                 | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1                   | 2480.03     | 95.85          | 35.48       | N/A            | N/A         | 160         | 254       | Vertical |
| 2                   | 2483.50     | 39.75          | 35.48       | 54.00          | 14.25       | 160         | 254       | Vertical |



## 7.11. AC Conducted Emissions Measurement

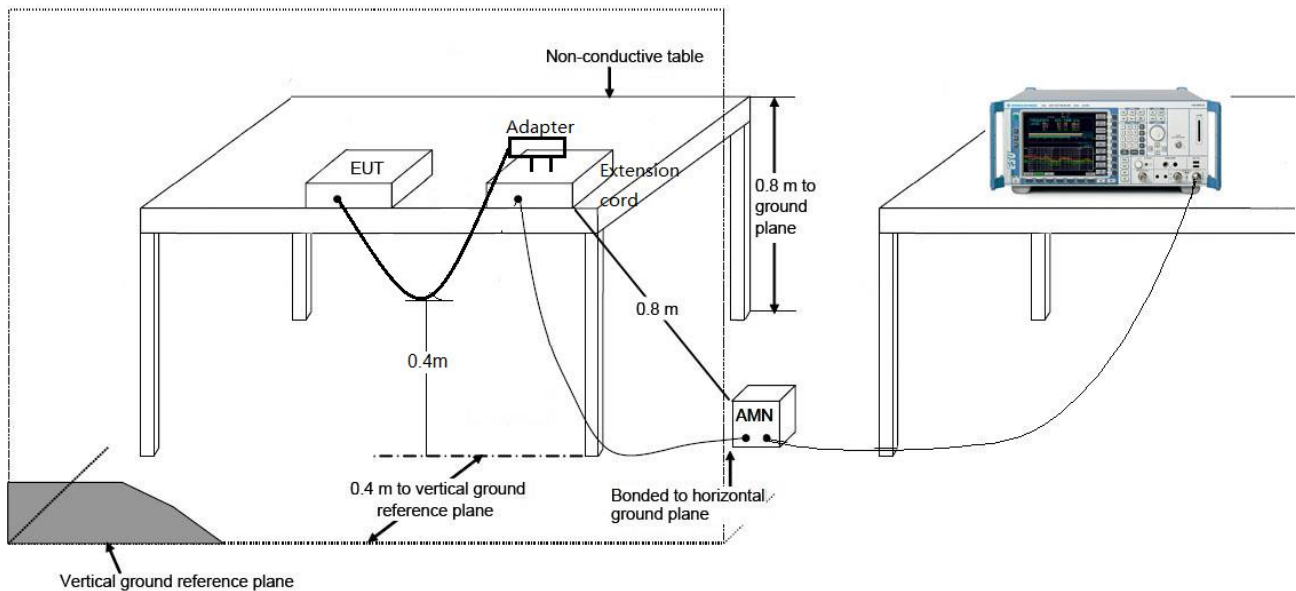
### 7.11.1. Test Limit

| FCC Part 15 Subpart C Paragraph 15.207 Limits |                 |                      |
|-----------------------------------------------|-----------------|----------------------|
| Frequency (MHz)                               | QP (dB $\mu$ V) | Average (dB $\mu$ V) |
| 0.15 - 0.50                                   | 66 - 56         | 56 - 46              |
| 0.50 - 5.0                                    | 56              | 46                   |
| 5.0 - 30                                      | 60              | 50                   |

Note 1: The lower limit shall apply at the transition frequencies.

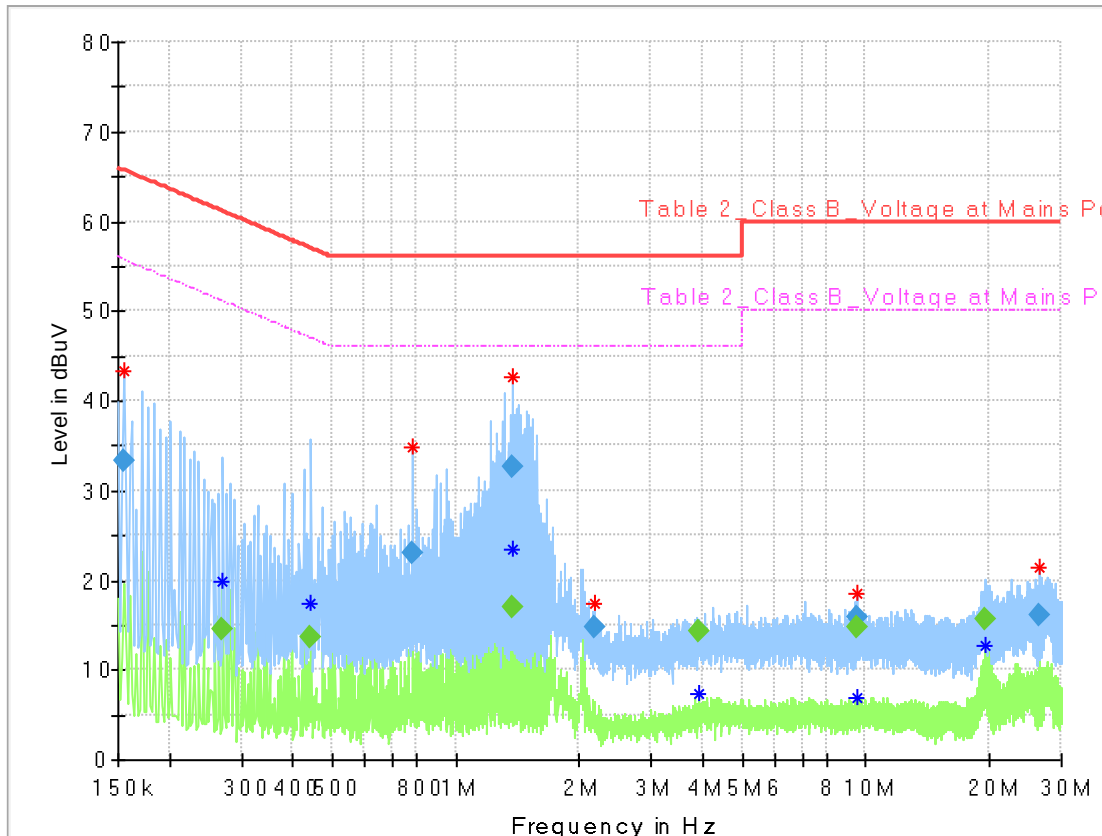
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

### 7.11.2. Test Setup



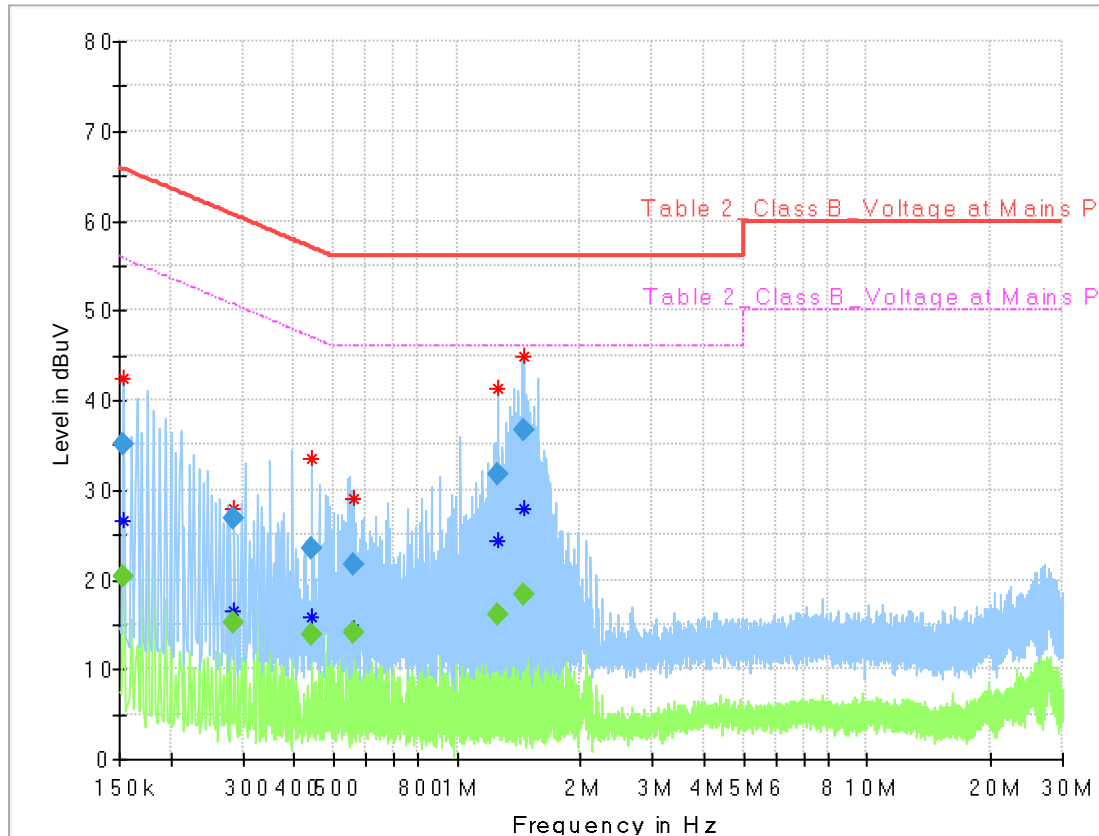
### 7.11.3.Test Result

|              |                              |           |           |
|--------------|------------------------------|-----------|-----------|
| EUT:         | WYZE SPRINKLER<br>CONTROLLER | Polarity: | LINE      |
| Model:       | WSPRK1                       | Voltage:  | 120V/60Hz |
| Environment: | Temp: 25°C; Humi:60%         | Engineer: | Line Chen |



| Frequency (MHz) | QuasiPeak (dBuV) | Average (dBuV) | Limit (dBuV) | Margin (dB) | Meas. Time | Bandwidth (kHz) | Line | Filter | Corr. (dB) |
|-----------------|------------------|----------------|--------------|-------------|------------|-----------------|------|--------|------------|
| 0.156000        | 33.28            | ---            | 65.67        | 32.40       | 1000.      | 9.000           | L1   | ON     | 9.9        |
| 0.270000        | ---              | 14.62          | 51.12        | 36.50       | 1000.      | 9.000           | L1   | ON     | 10.0       |
| 0.444000        | ---              | 13.66          | 46.99        | 33.33       | 1000.      | 9.000           | L1   | ON     | 10.0       |
| 0.784000        | 23.06            | ---            | 56.00        | 32.94       | 1000.      | 9.000           | L1   | ON     | 10.0       |
| 1.374000        | ---              | 17.08          | 46.00        | 28.92       | 1000.      | 9.000           | L1   | ON     | 9.9        |
| 1.374000        | 32.67            | ---            | 56.00        | 23.33       | 1000.      | 9.000           | L1   | ON     | 9.9        |
| 2.178000        | 14.65            | ---            | 56.00        | 41.35       | 1000.      | 9.000           | L1   | ON     | 9.8        |
| 3.910000        | ---              | 14.35          | 46.00        | 31.65       | 1000.      | 9.000           | L1   | ON     | 9.8        |
| 9.508000        | 15.87            | ---            | 60.00        | 44.13       | 1000.      | 9.000           | L1   | ON     | 9.8        |
| 9.508000        | ---              | 14.72          | 50.00        | 35.28       | 1000.      | 9.000           | L1   | ON     | 9.8        |
| 19.462000       | ---              | 15.54          | 50.00        | 34.46       | 1000.      | 9.000           | L1   | ON     | 9.8        |
| 26.570000       | 16.05            | ---            | 60.00        | 43.95       | 1000.      | 9.000           | L1   | ON     | 9.9        |

|              |                           |           |           |
|--------------|---------------------------|-----------|-----------|
| EUT:         | WYZE SPRINKLER CONTROLLER | Polarity: | NEUTRAL   |
| Model:       | WSPRK1                    | Voltage:  | 120V/60Hz |
| Environment: | Temp: 25°C; Humi:60%      | Engineer: | Line Chen |



| Frequency (MHz) | QuasiPeak (dBuV) | Average (dBuV) | Limit (dBuV) | Margin (dB) | Meas. Time | Bandwidth (kHz) | Line | Filter | Corr. (dB) |
|-----------------|------------------|----------------|--------------|-------------|------------|-----------------|------|--------|------------|
| 0.154000        | ---              | 20.34          | 55.78        | 35.44       | 1000.      | 9.000           | N    | ON     | 9.8        |
| 0.154000        | 34.98            | ---            | 65.78        | 30.81       | 1000.      | 9.000           | N    | ON     | 9.8        |
| 0.286000        | ---              | 15.16          | 50.64        | 35.48       | 1000.      | 9.000           | N    | ON     | 9.9        |
| 0.286000        | 26.91            | ---            | 60.64        | 33.73       | 1000.      | 9.000           | N    | ON     | 9.9        |
| 0.442000        | ---              | 13.80          | 47.02        | 33.22       | 1000.      | 9.000           | N    | ON     | 10.1       |
| 0.442000        | 23.57            | ---            | 57.02        | 33.46       | 1000.      | 9.000           | N    | ON     | 10.1       |
| 0.558000        | 21.74            | ---            | 56.00        | 34.26       | 1000.      | 9.000           | N    | ON     | 10.1       |
| 0.558000        | ---              | 13.98          | 46.00        | 32.02       | 1000.      | 9.000           | N    | ON     | 10.1       |
| 1.258000        | 31.67            | ---            | 56.00        | 24.33       | 1000.      | 9.000           | N    | ON     | 9.9        |
| 1.258000        | ---              | 16.09          | 46.00        | 29.91       | 1000.      | 9.000           | N    | ON     | 9.9        |
| 1.460000        | ---              | 18.31          | 46.00        | 27.69       | 1000.      | 9.000           | N    | ON     | 9.9        |
| 1.460000        | 36.56            | ---            | 56.00        | 19.44       | 1000.      | 9.000           | N    | ON     | 9.9        |

## 8. CONCLUSION

The data collected relate only the item(s) tested and show that the **WYZE SPRINKLER CONTROLLER** is in compliance with Part 15C of the FCC and IC Rules.

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The End