

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. 18. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

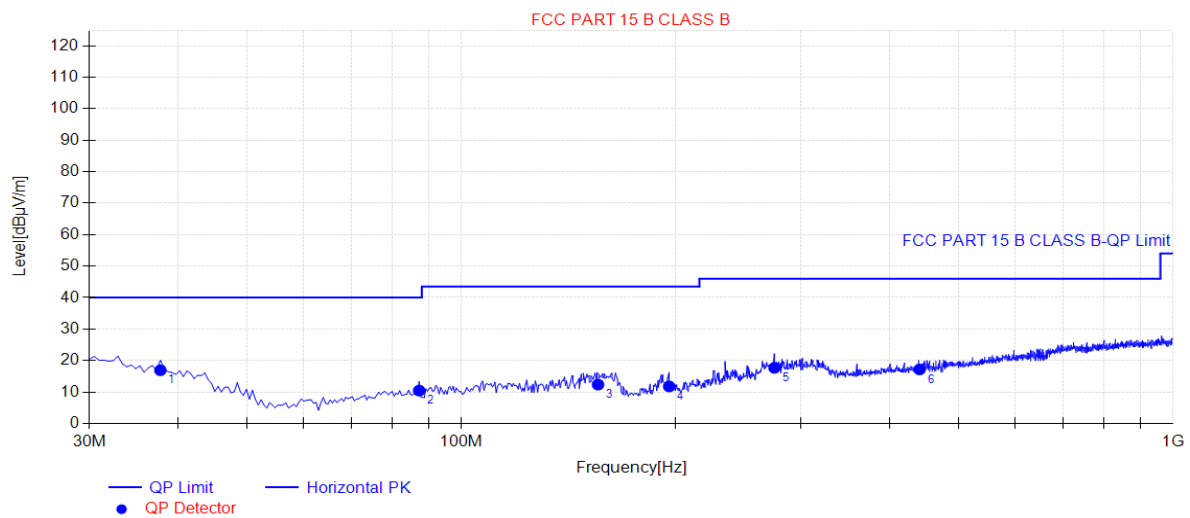
Mark	Frequency (MHz)	Level (dBμV)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4687.5000	42.99	7.28	74.00	31.01	Peak	Horizontal
	4912.5000	43.52	7.98	74.00	30.48	Peak	Horizontal
*	6315.0000	47.23	12.59	84.12	36.89	Peak	Horizontal
*	6465.0000	46.57	12.63	84.12	37.55	Peak	Horizontal
	4597.5000	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 2480MHz	Voltage:	120V/60Hz
Environment:	Temp: 25°C; Humi:60%	Engineer:	Line Chen

Test Graph



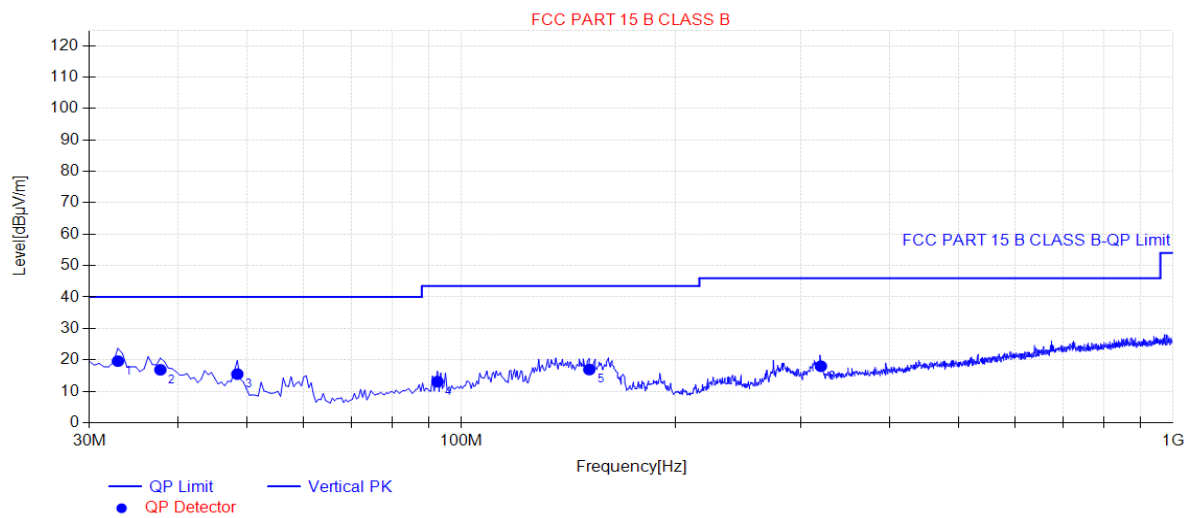
Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	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 (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 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	(²)
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 [MHz]	Field Strength [uV/m]	Measured Distance [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 (MHz)	Frequency (MHz)	Frequency (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 [MHz]	Field Strength [uV/m]	Measured Distance [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

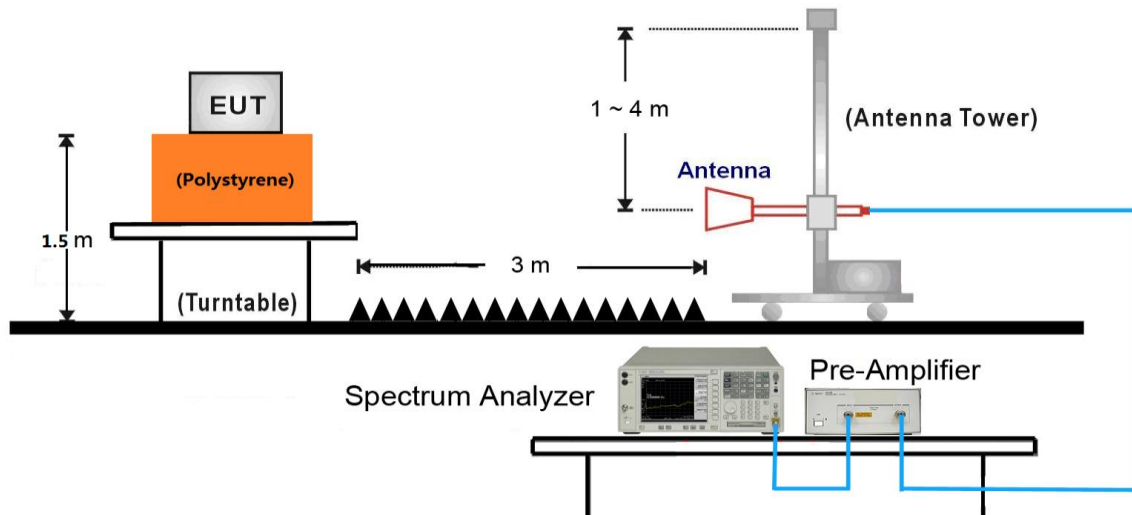
Peak Field Strength Measurements

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

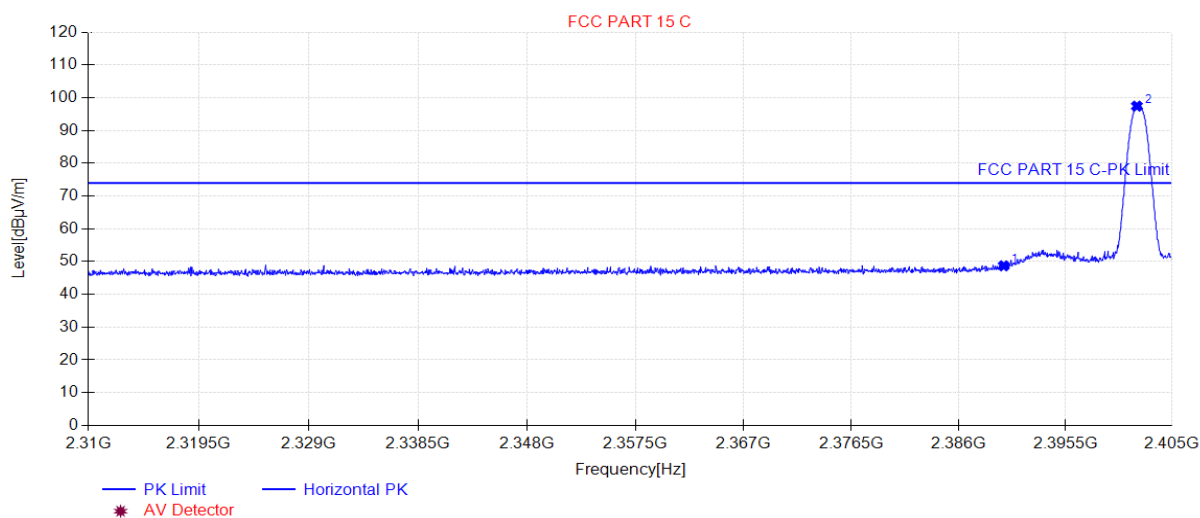


7.10.4.Test Result

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

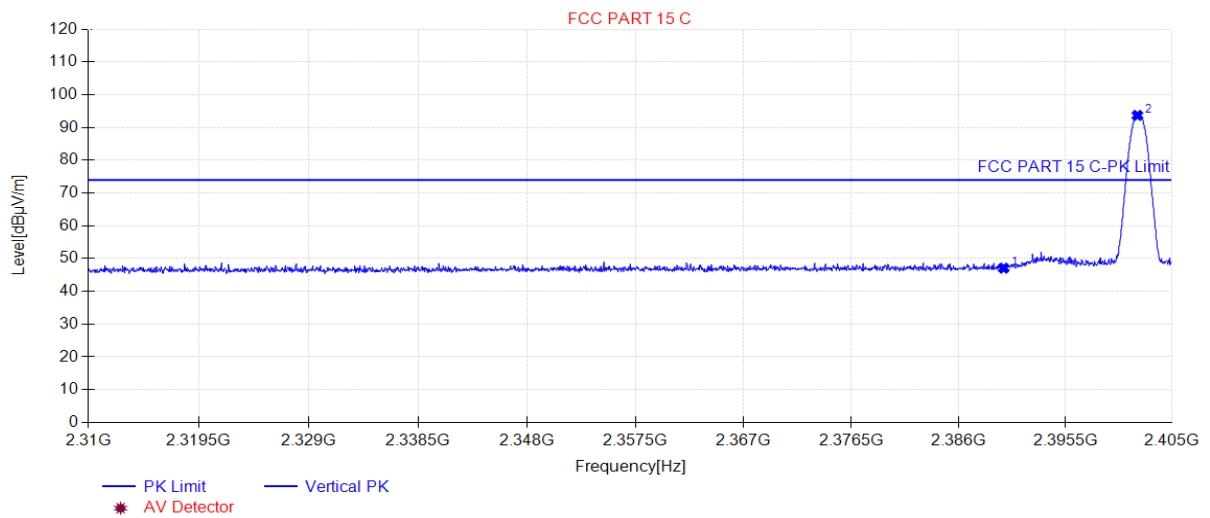


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2390.00	48.70	35.27	74.00	25.30	160	36	Horizontal
2	2401.86	97.42	35.31	N/A	N/A	160	10	Horizontal

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

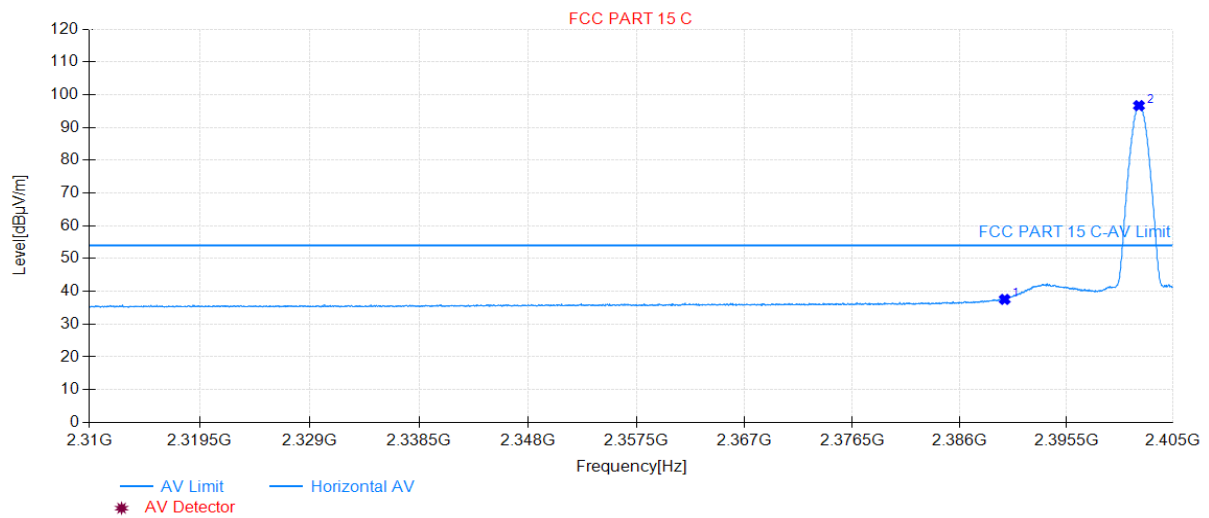


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2390.00	47.08	35.27	74.00	26.92	160	240	Vertical
2	2401.91	93.67	35.31	N/A	N/A	160	232	Vertical

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

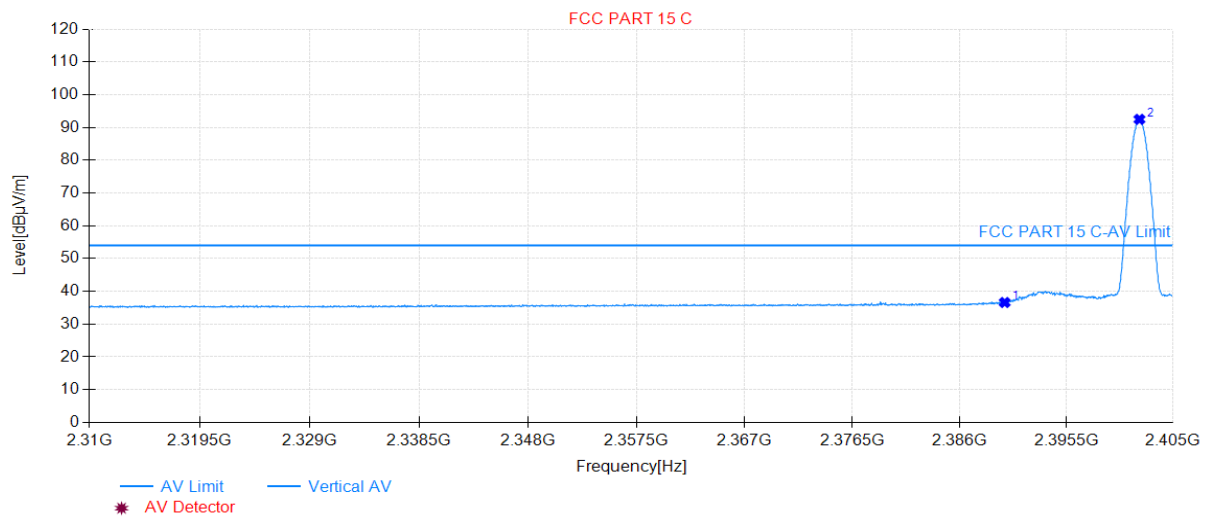


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2390.00	37.55	35.27	54.00	16.45	160	359	Horizontal
2	2401.96	96.66	35.31	N/A	N/A	160	13	Horizontal

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

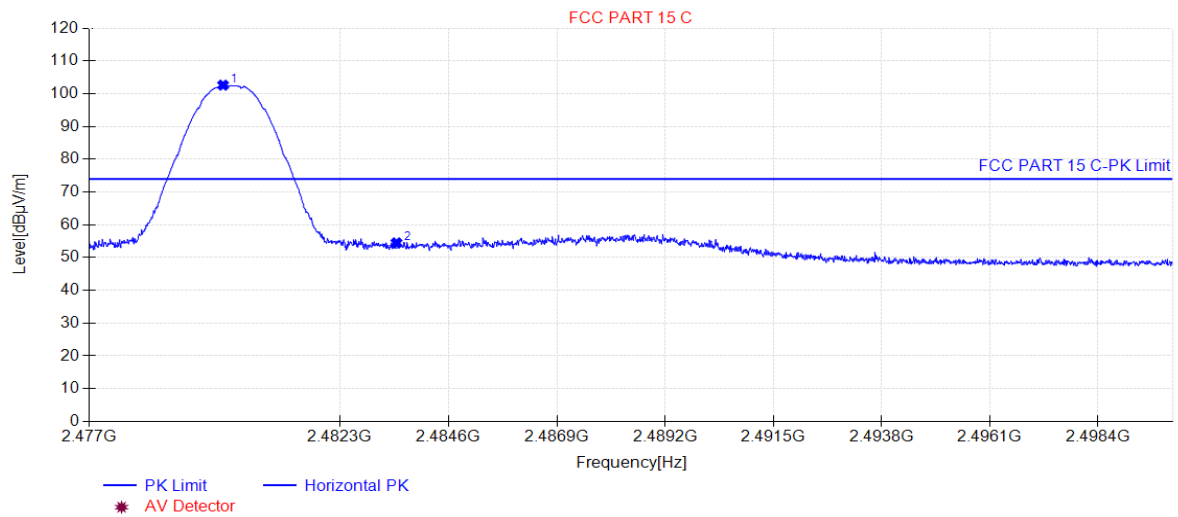


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2390.00	36.60	35.27	54.00	17.40	160	248	Vertical
2	2402.00	92.48	35.31	N/A	N/A	160	246	Vertical

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

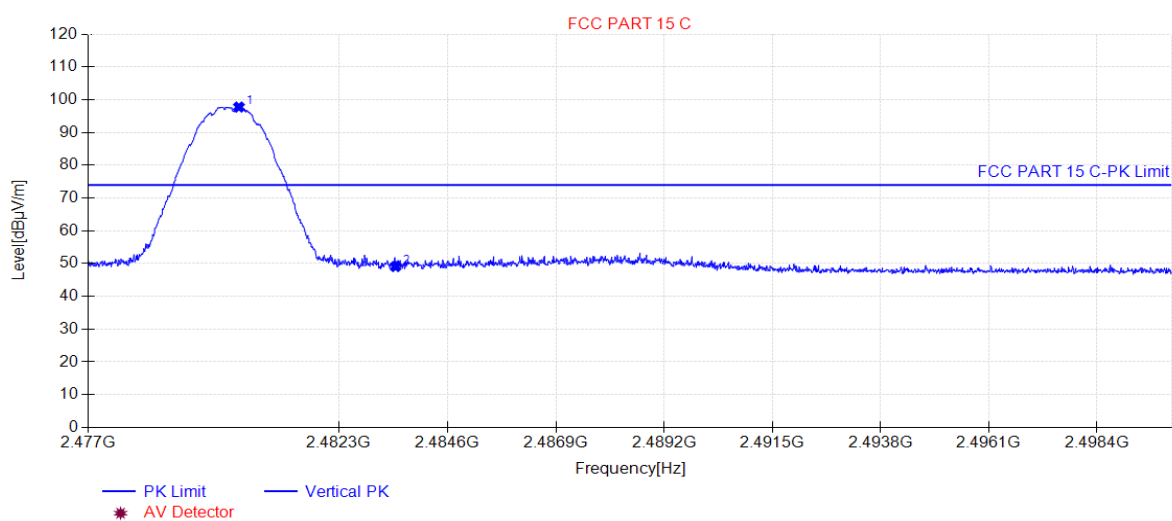


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2479.82	102.60	35.48	N/A	N/A	160	2	Horizontal
2	2483.50	54.47	35.48	74.00	19.53	160	5	Horizontal

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

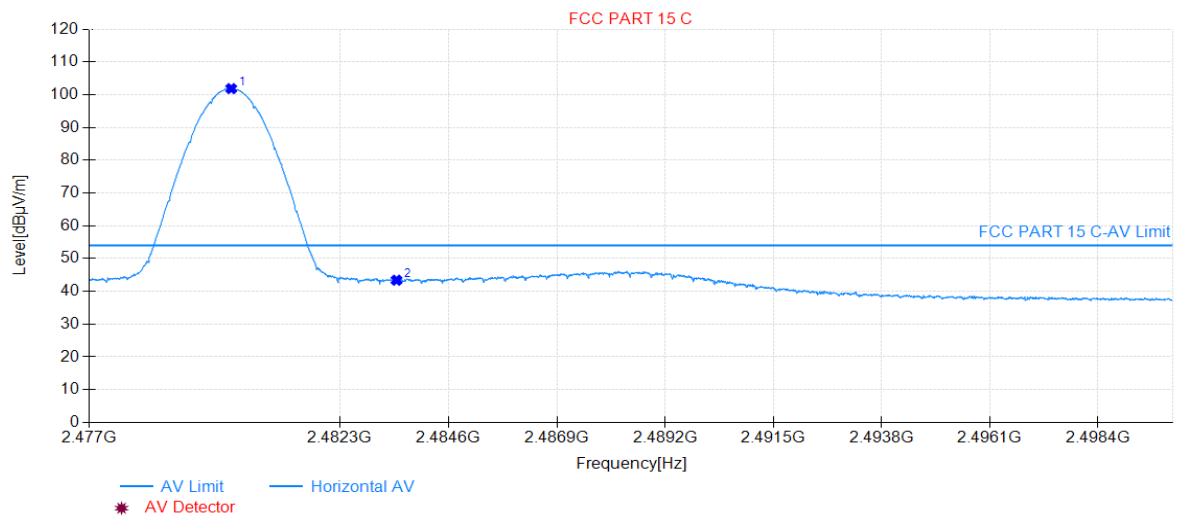


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2480.18	97.76	35.48	N/A	N/A	160	248	Vertical
2	2483.50	49.09	35.48	74.00	24.91	160	253	Vertical

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

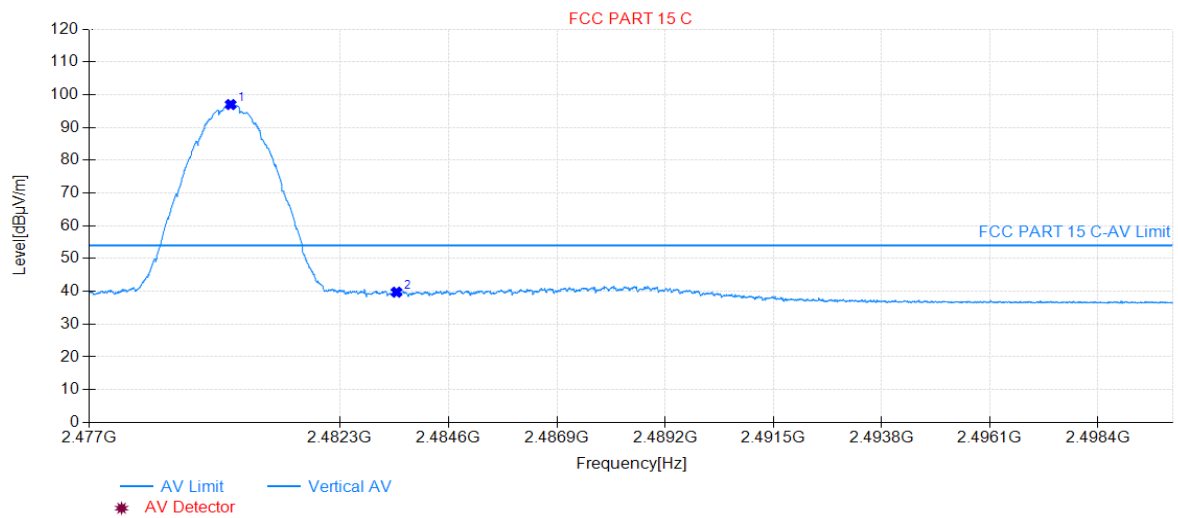


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2480.00	101.85	35.48	N/A	N/A	160	0	Horizontal
2	2483.50	43.40	35.48	54.00	10.60	160	1	Horizontal

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

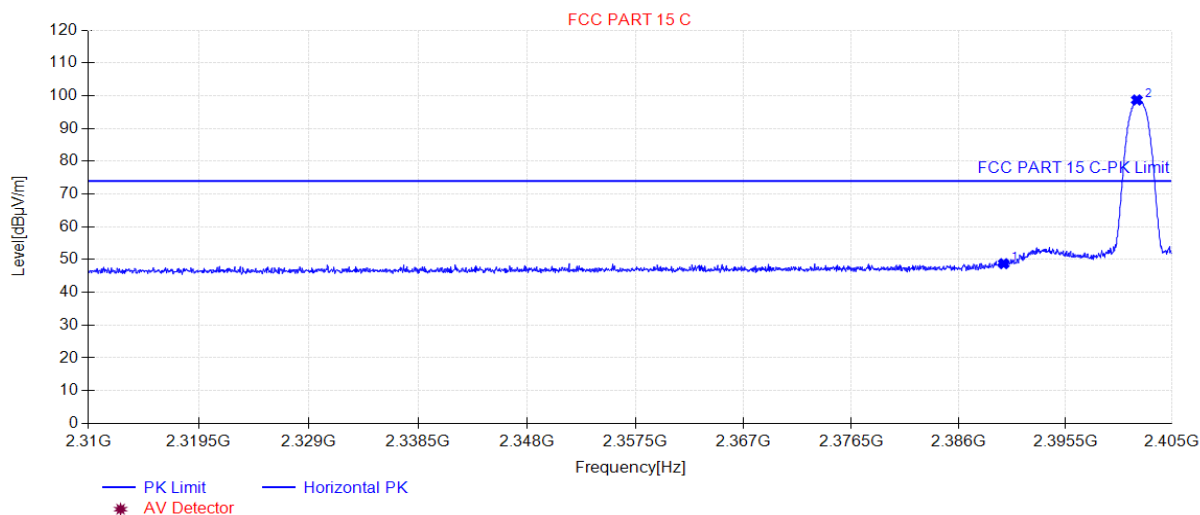


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2479.99	96.99	35.48	N/A	N/A	160	250	Vertical
2	2483.50	39.75	35.48	54.00	14.25	160	253	Vertical

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

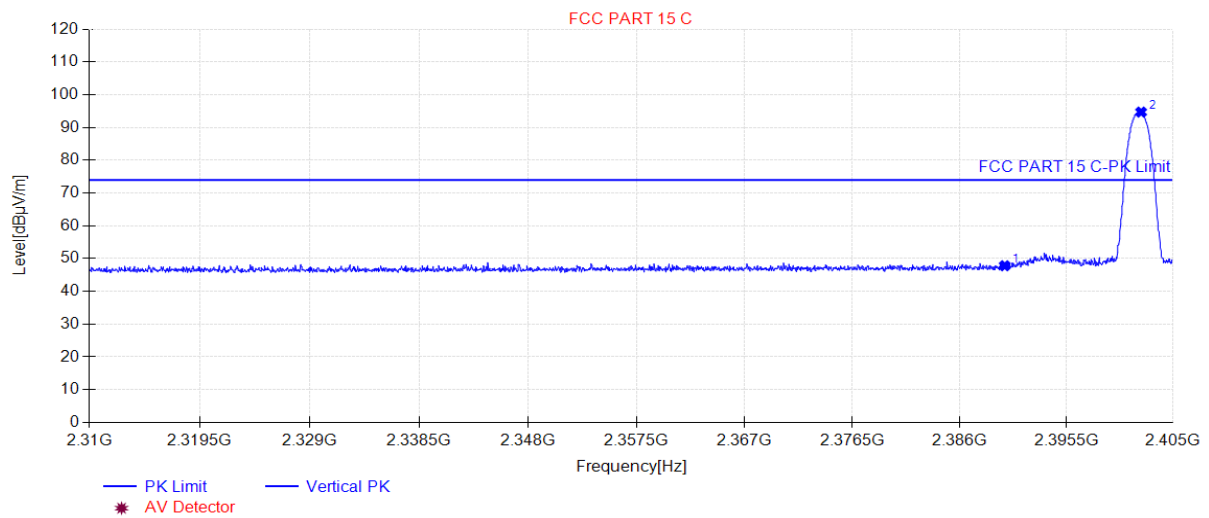


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2390.00	48.75	35.27	74.00	25.25	160	37	Horizontal
2	2401.86	98.69	35.31	N/A	N/A	160	12	Horizontal

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

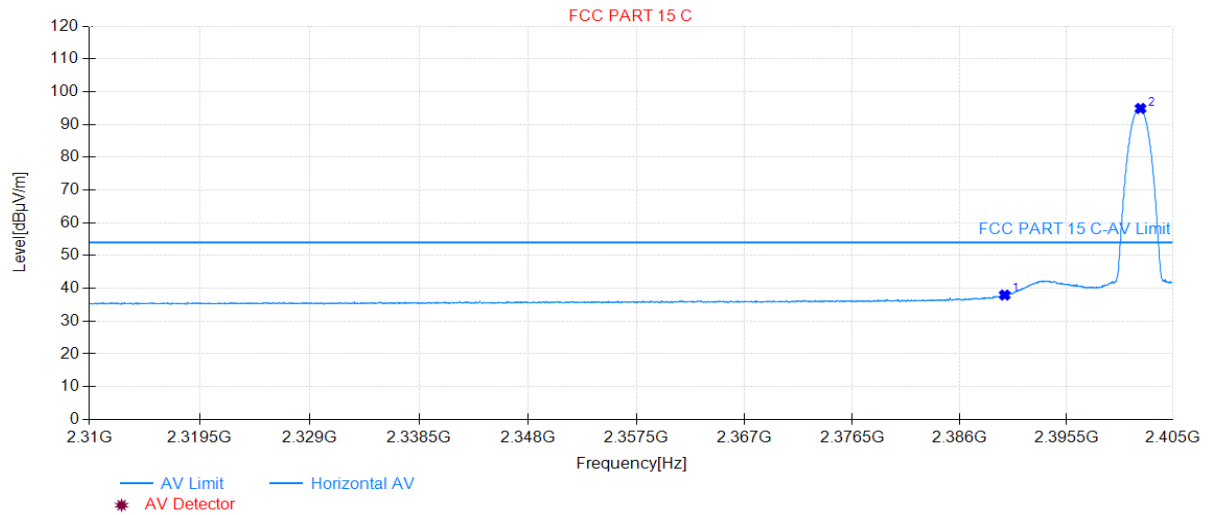


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2390.00	47.81	35.27	74.00	26.19	160	120	Vertical
2	2402.15	94.69	35.31	N/A	N/A	160	246	Vertical

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

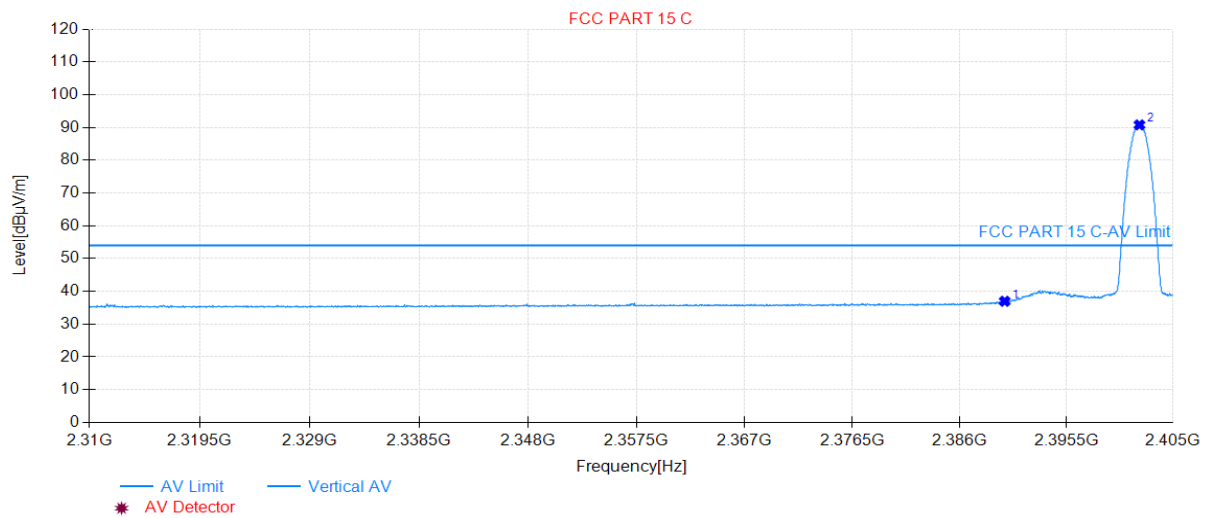


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2390.00	37.96	35.27	54.00	16.04	160	44	Horizontal
2	2402.10	94.87	35.31	N/A	N/A	160	359	Horizontal

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

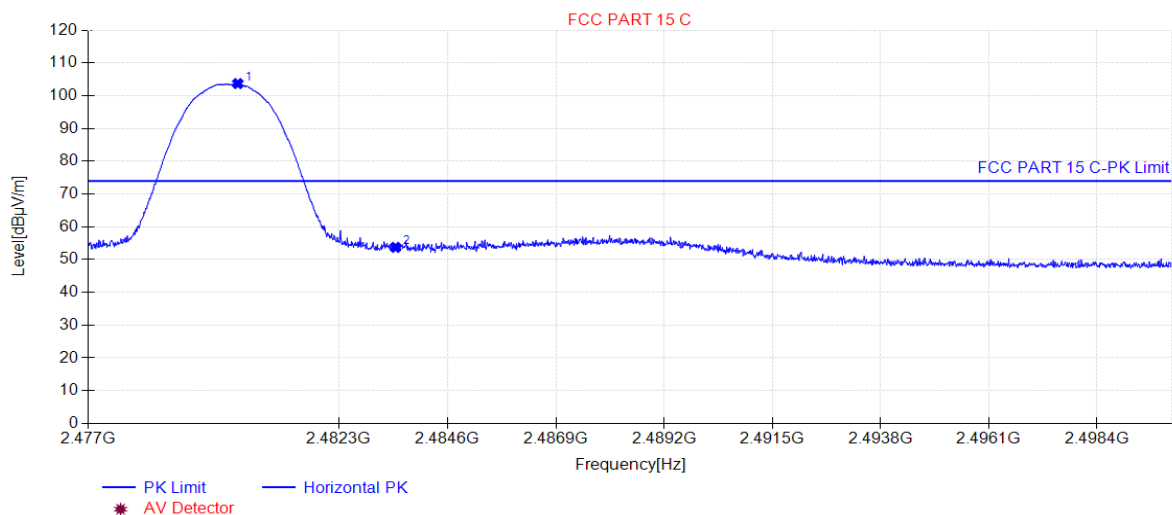


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2390.00	36.97	35.27	54.00	17.03	160	236	Vertical
2	2402.00	90.78	35.31	N/A	N/A	160	234	Vertical

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

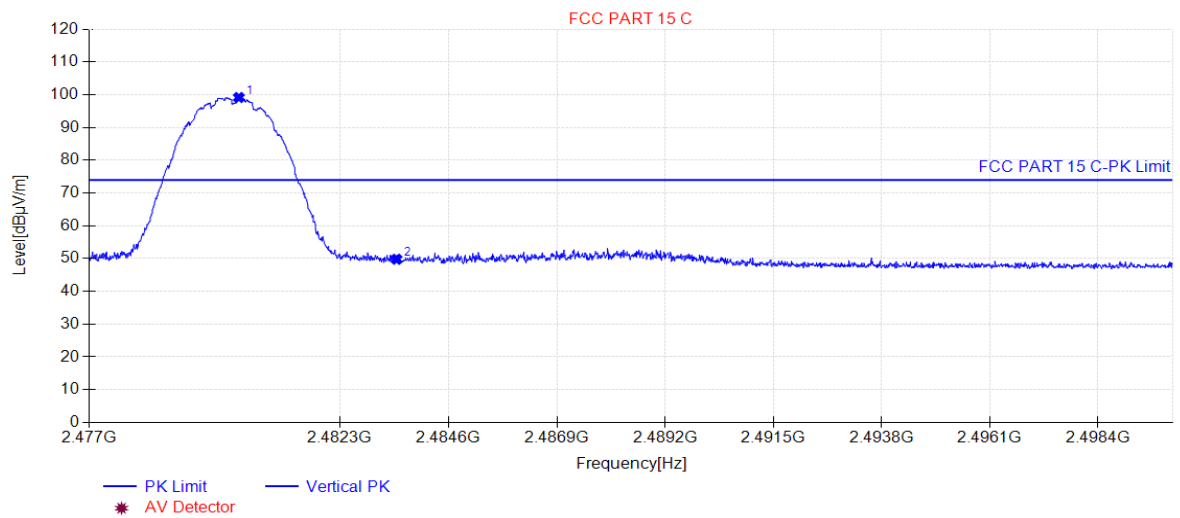


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2480.16	103.69	35.48	N/A	N/A	160	4	Horizontal
2	2483.50	53.73	35.48	74.00	20.27	160	0	Horizontal

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

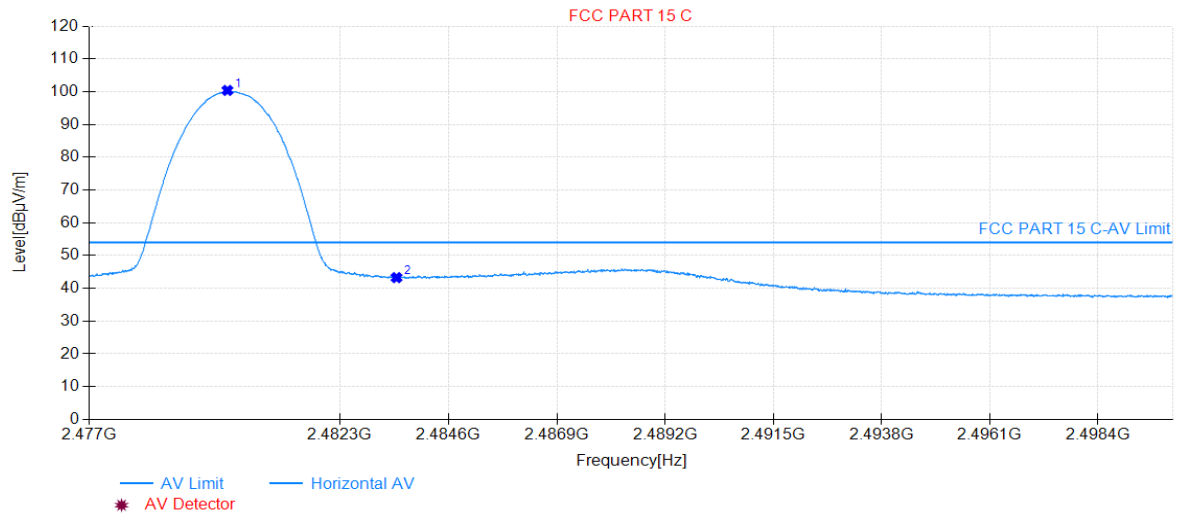


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2480.16	99.14	35.48	N/A	N/A	160	250	Vertical
2	2483.50	49.79	35.48	74.00	24.21	160	245	Vertical

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

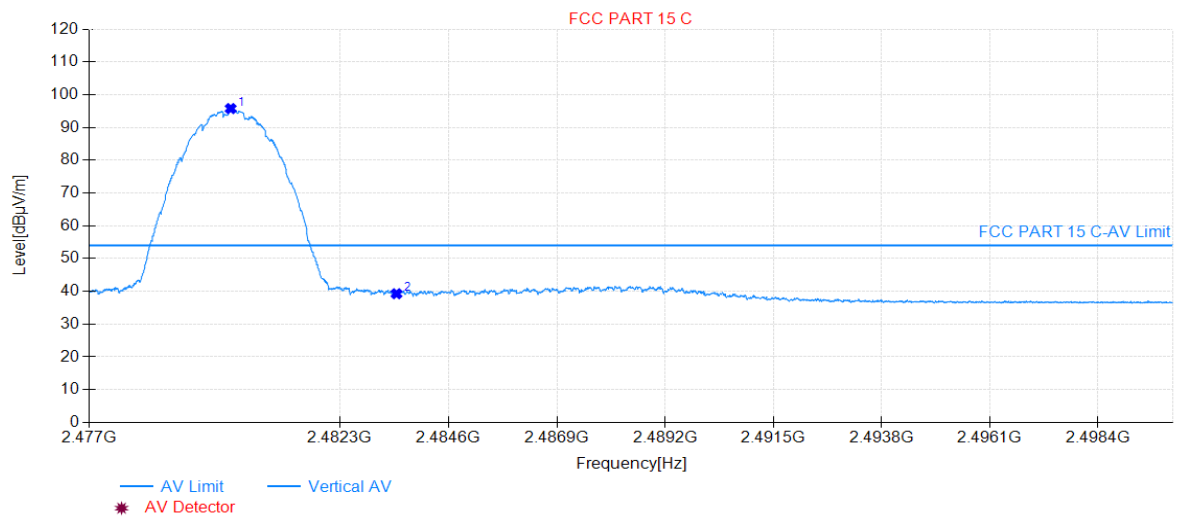


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2479.92	100.39	35.48	N/A	N/A	160	357	Horizontal
2	2483.50	43.27	35.48	54.00	10.73	160	357	Horizontal

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

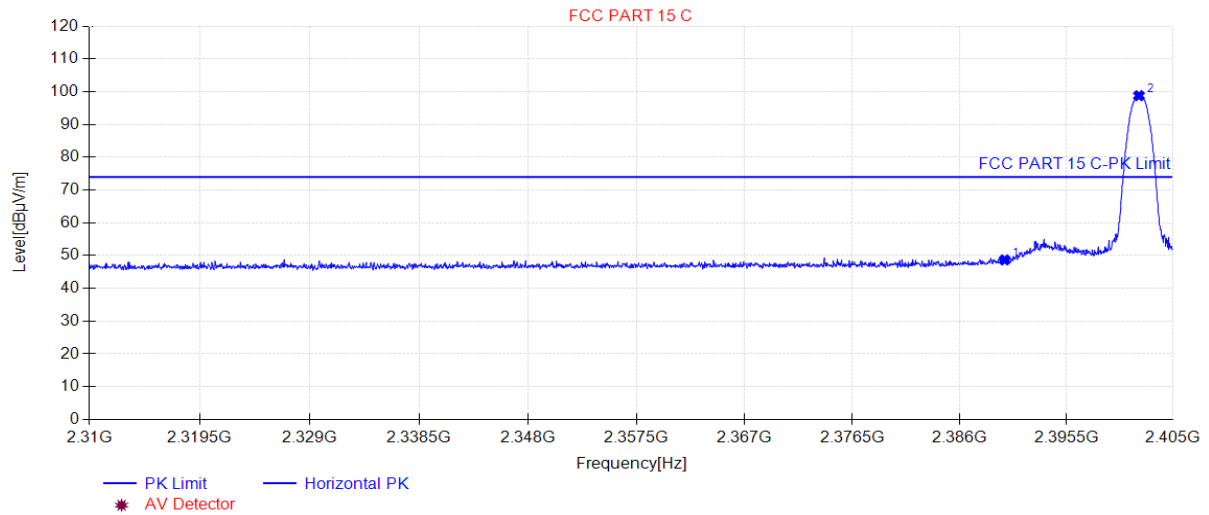


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2479.99	95.76	35.48	N/A	N/A	160	254	Vertical
2	2483.50	39.27	35.48	54.00	14.73	160	164	Vertical

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

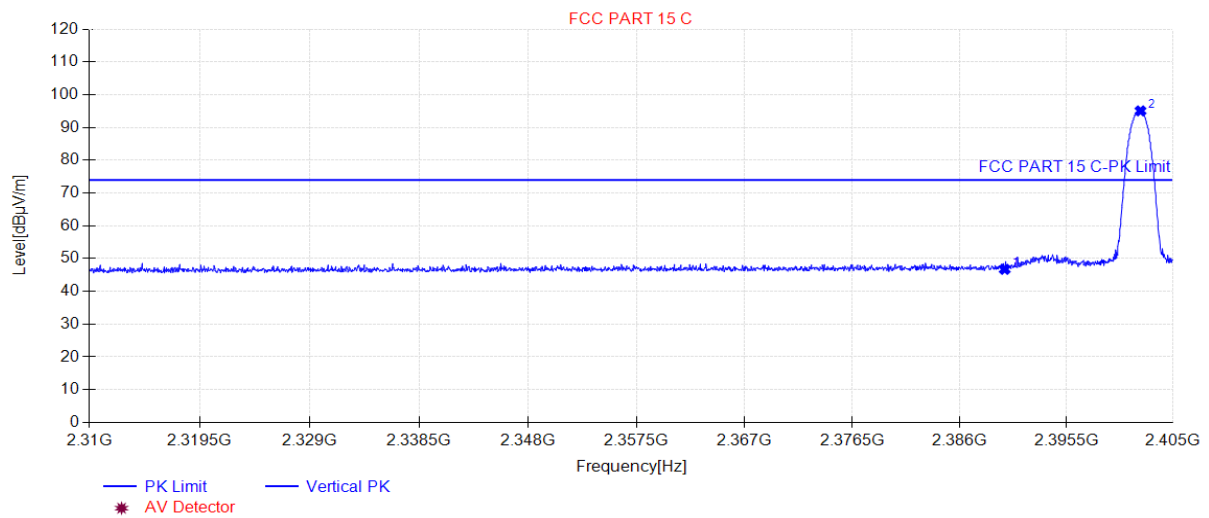


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2390.00	48.67	35.27	74.00	25.33	160	6	Horizontal
2	2401.96	98.78	35.31	N/A	N/A	160	14	Horizontal

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

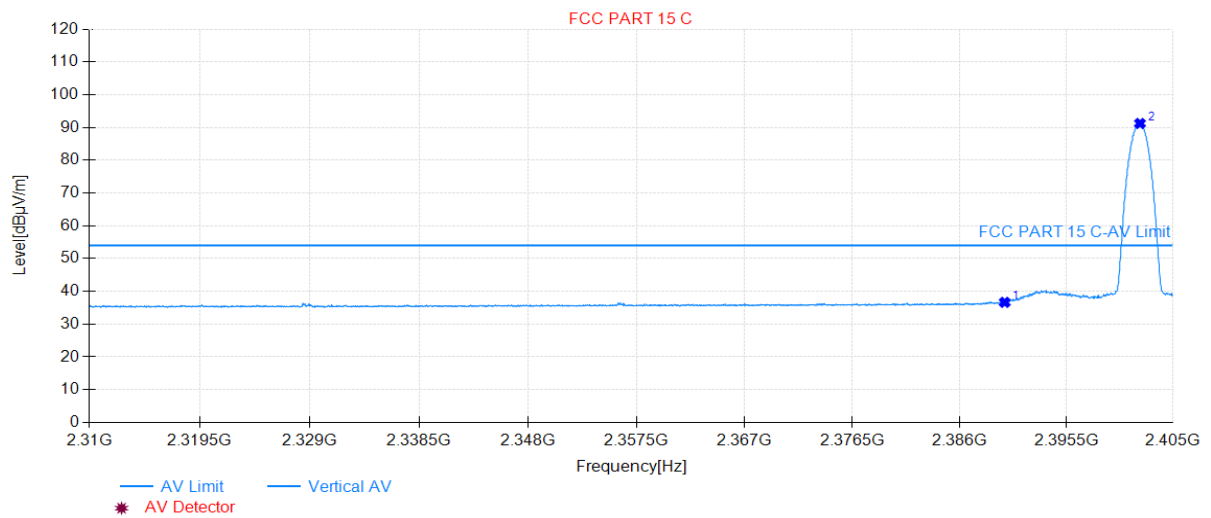


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2390.00	46.73	35.27	74.00	27.27	160	134	Vertical
2	2402.10	95.05	35.31	N/A	N/A	160	243	Vertical

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

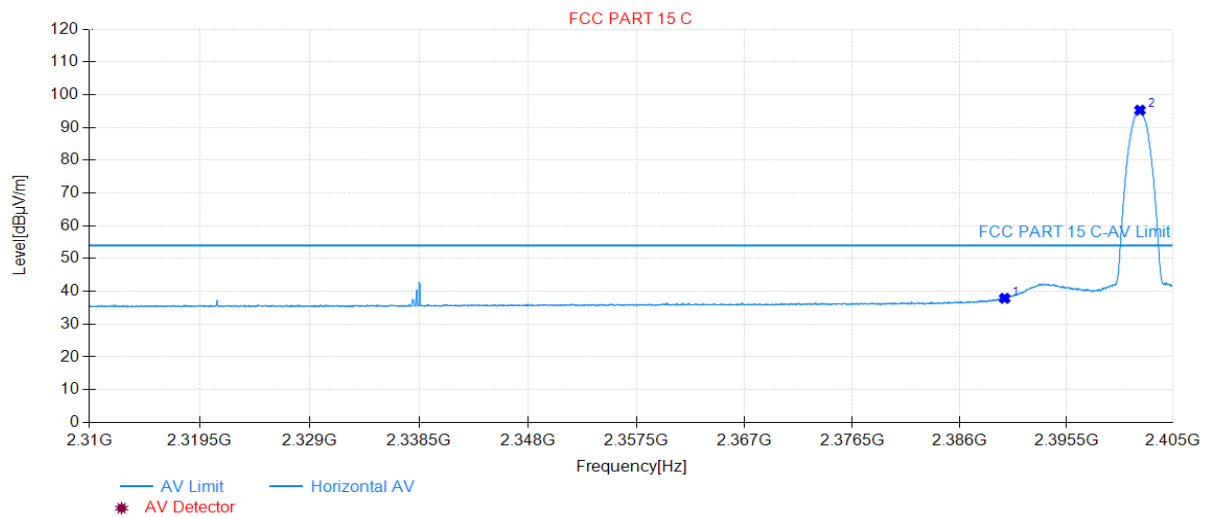


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2390.00	36.65	35.27	54.00	17.35	160	0	Vertical
2	2402.05	91.23	35.31	N/A	N/A	160	0	Vertical

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

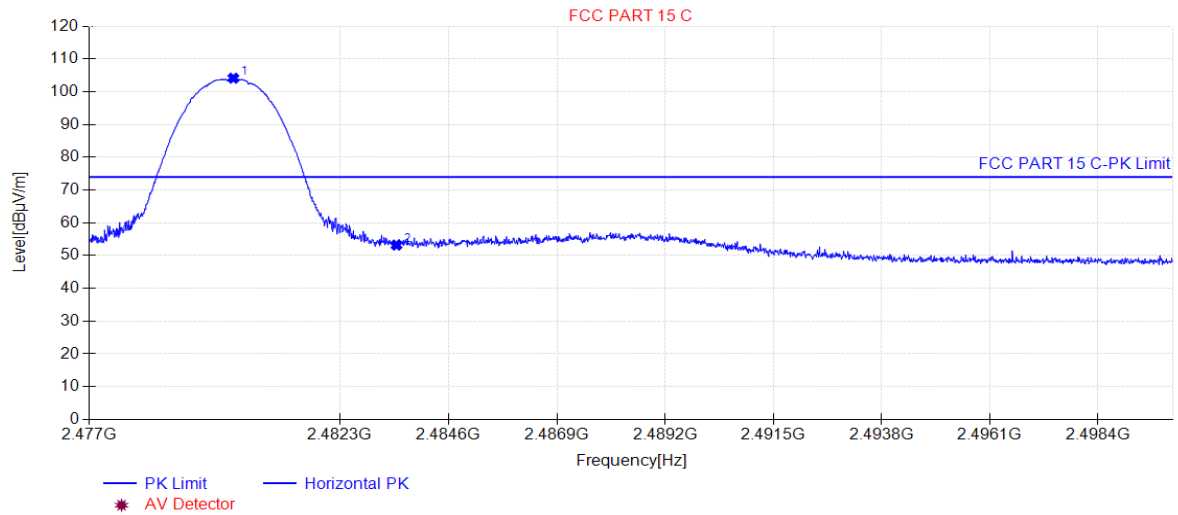


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2390.00	37.87	35.27	54.00	16.13	160	346	Horizontal
2	2402.05	95.27	35.31	N/A	N/A	160	44	Horizontal

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

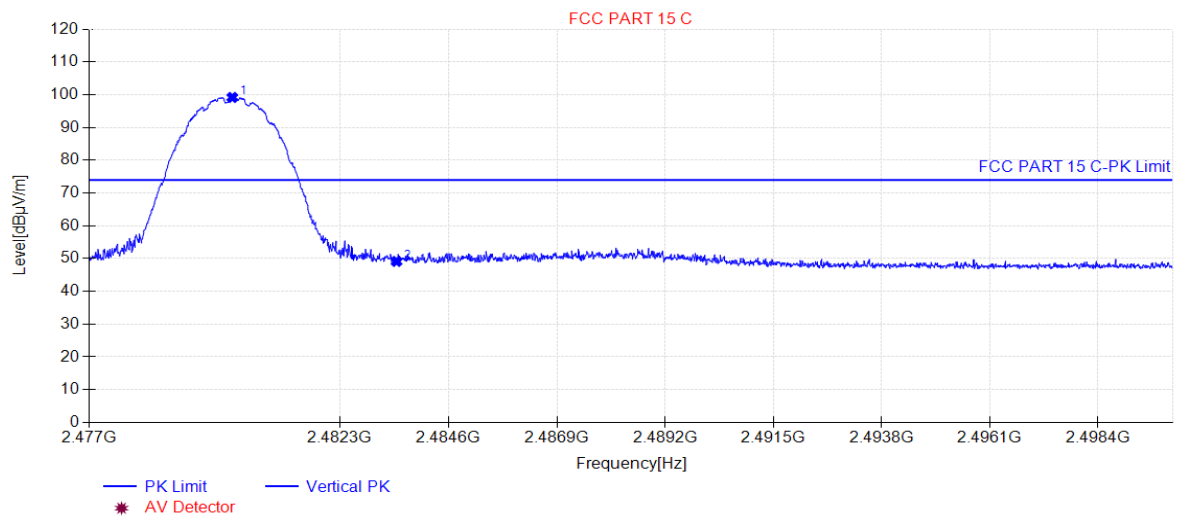


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2480.04	104.12	35.48	N/A	N/A	160	357	Horizontal
2	2483.50	53.21	35.48	74.00	20.79	160	8	Horizontal

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

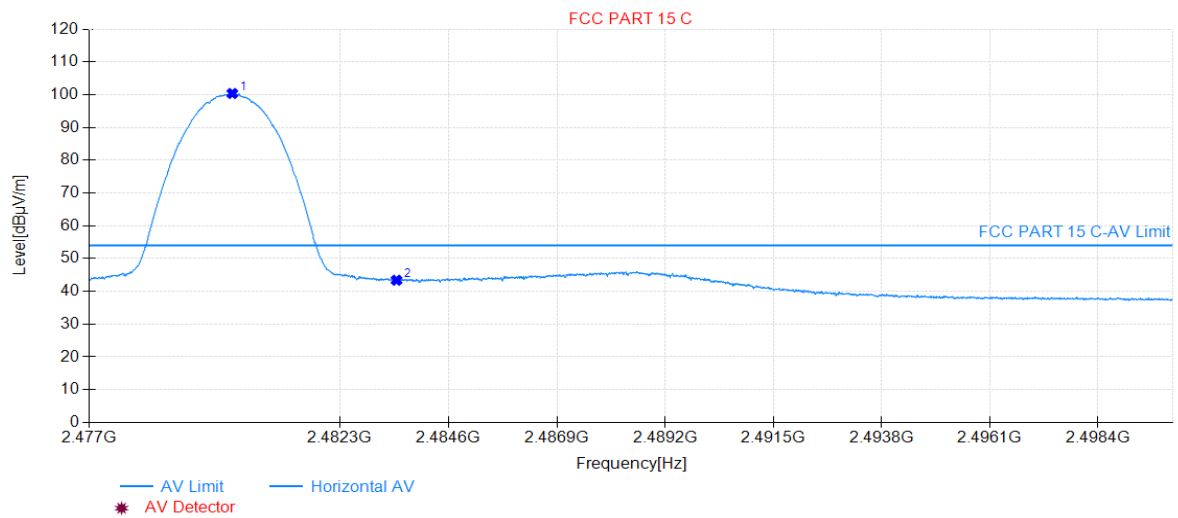


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2480.02	99.16	35.48	N/A	N/A	160	249	Vertical
2	2483.50	49.14	35.48	74.00	24.86	160	157	Vertical

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

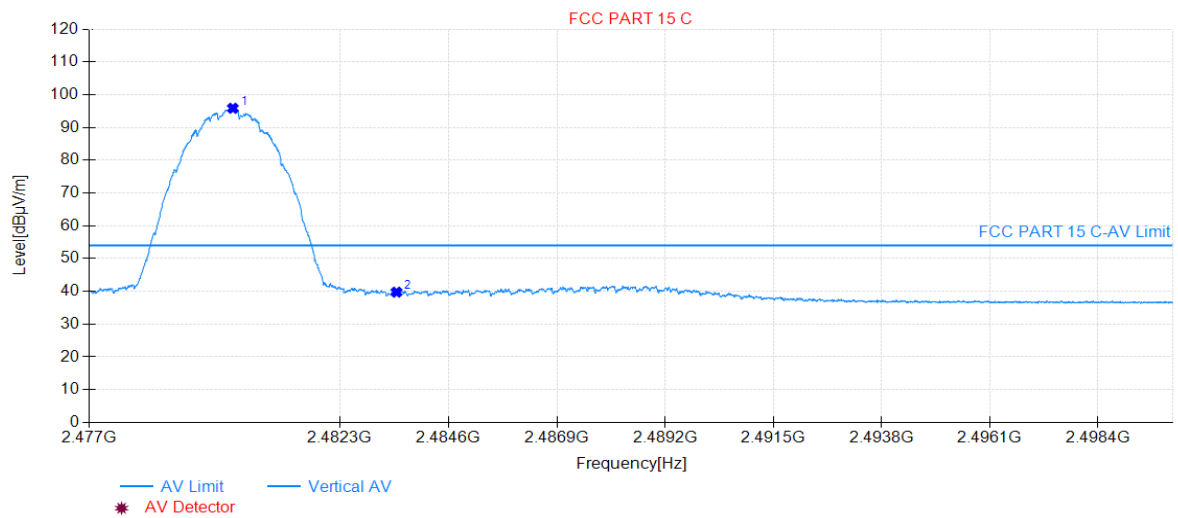


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2480.02	100.37	35.48	N/A	N/A	160	0	Horizontal
2	2483.50	43.39	35.48	54.00	10.61	160	357	Horizontal

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

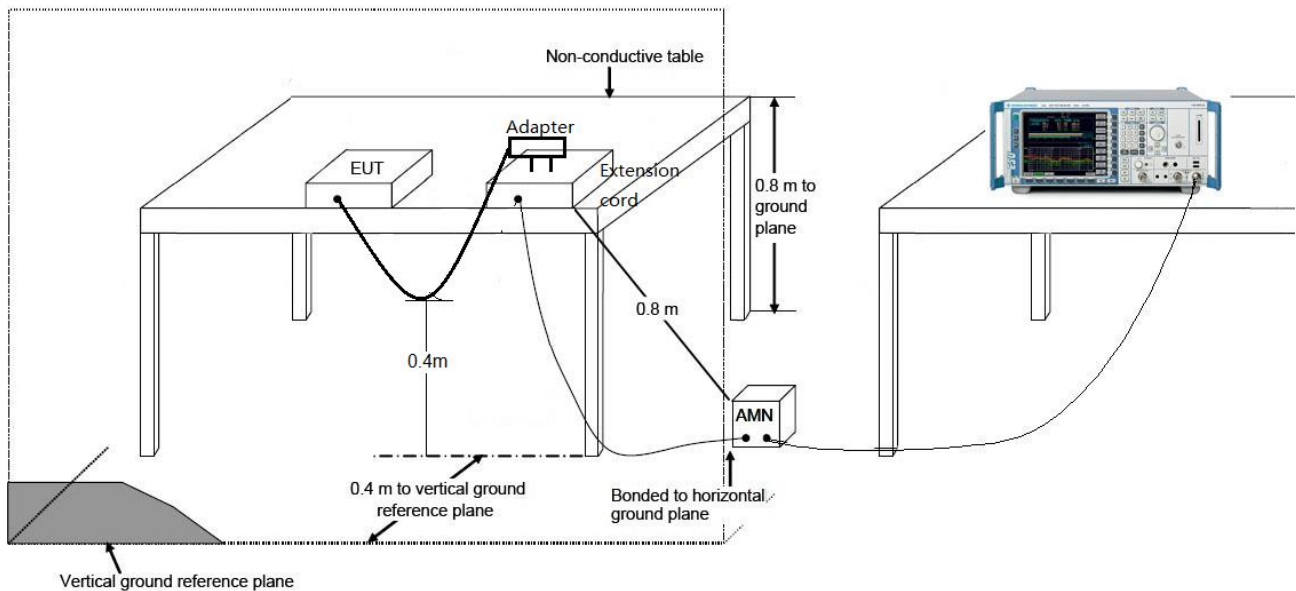
7.11.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207 Limits		
Frequency (MHz)	QP (dBμV)	Average (dBμV)
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.

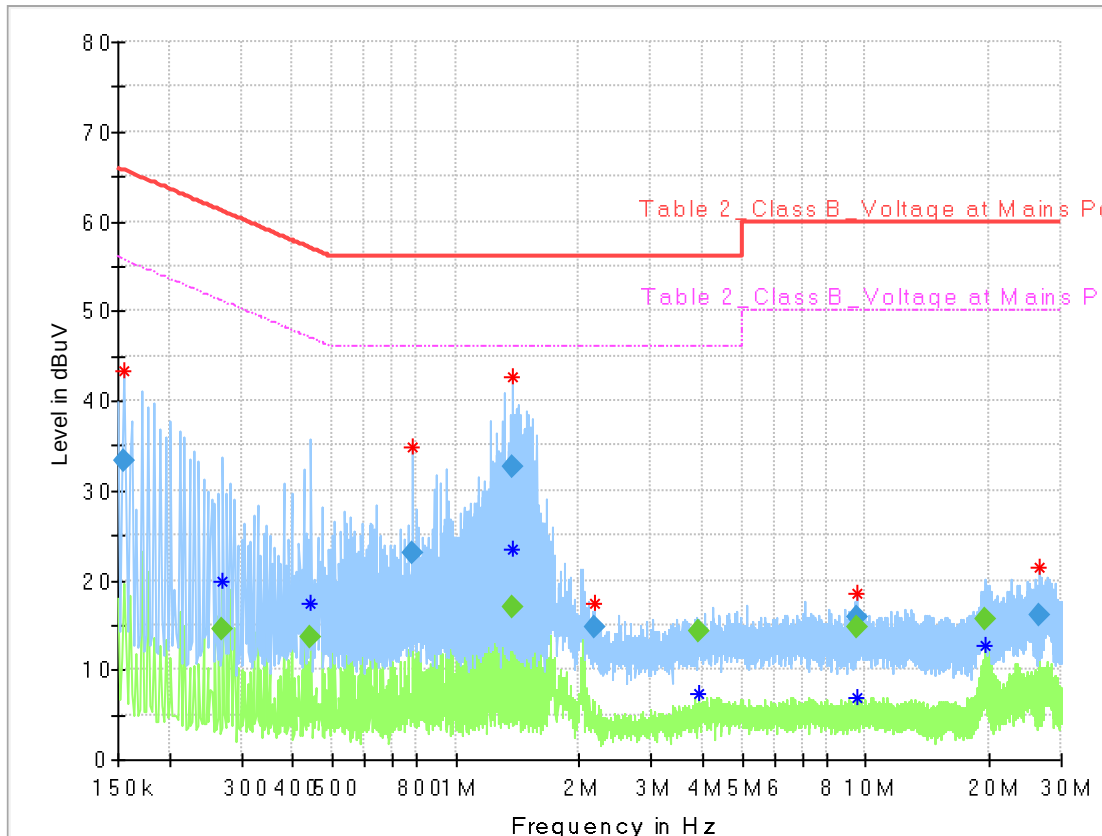
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

7.11.2. Test Setup



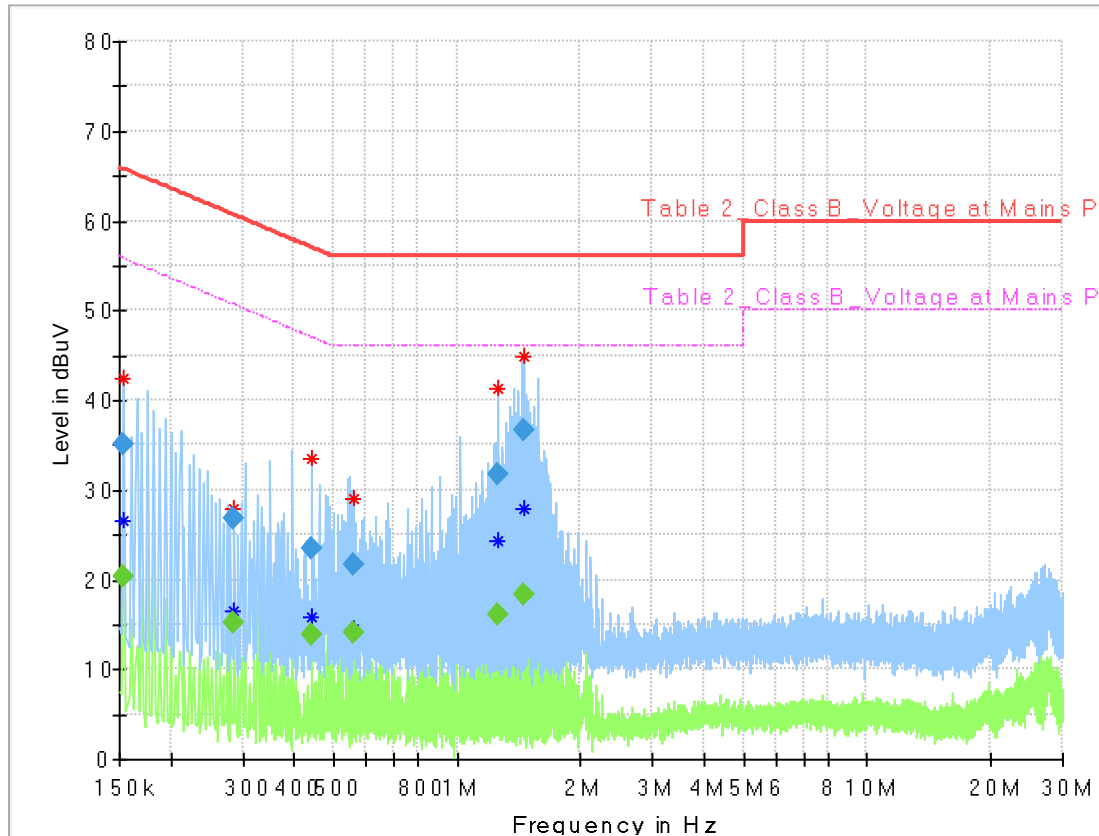
7.11.3.Test Result

EUT:	WYZE SPRINKLER 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.

The End