

Appendix D: Test Results of Radiated

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DTSS#1(BLE)

Note: Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and above 18GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30 MHz to 1GHz

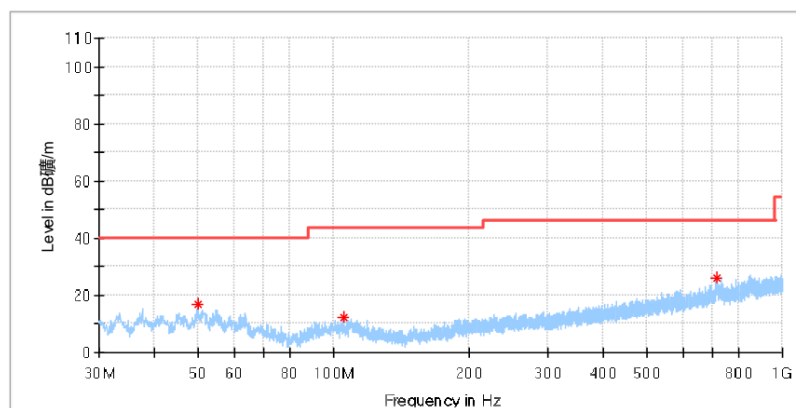
Test

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Test Report

EUT Information

EUT Name:	Floodlight Wired
Model:	5W21S8
Test Mode:	BLE_TX_Low CH
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:42%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.788000	16.65	---	40.00	23.35	100.0	H	184.0	-18.6
104.981000	12.15	---	43.50	31.35	100.0	H	316.0	-19.1
712.928500	26.10	---	46.00	19.90	100.0	H	0.0	-8.2

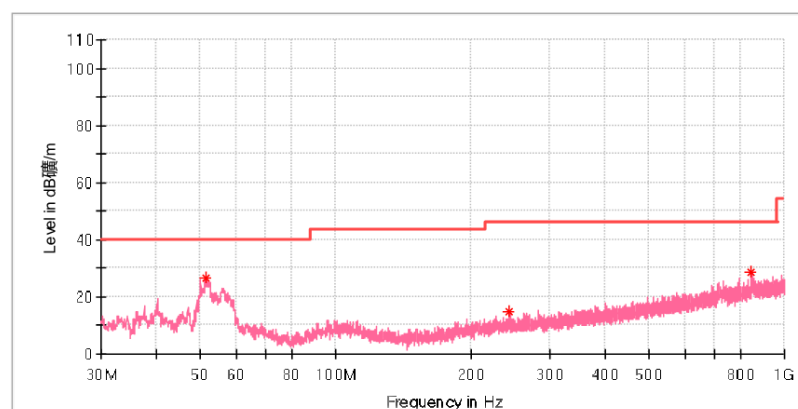
Test

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Test Report

EUT Information

EUT Name:	Floodlight Wired
Model:	5W21S8
TestMode:	BLE_TX_Low CH
TestVoltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:42%
TestStandard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
51.582500	26.55	---	40.00	13.45	100.0	V	152.0	-18.6
244.176000	14.62	---	46.00	31.38	100.0	V	46.0	-17.9
844.848500	28.59	---	46.00	17.41	100.0	V	354.0	-6.0

1/4/2020

10:14:33 AM

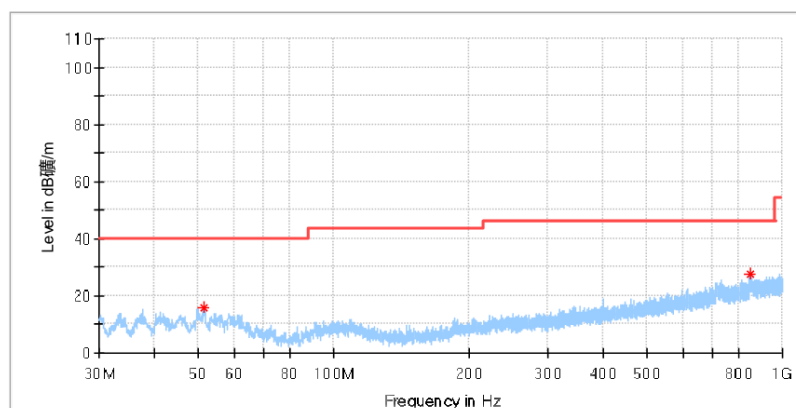
Test

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Test Report

EUT Information

EUT Name:	Floodlight Wired
Model:	5W21S8
Test Mode:	BLE_TX_High CH
Test Voltage:	AC 120V@60Hz
Remark:	Temp 23 Humi:42%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
51.485500	16.10	---	40.00	23.90	100.0	H	0.0	-18.6
845.188000	27.62	---	46.00	18.38	100.0	H	0.0	-6.0

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10:14:33 AM

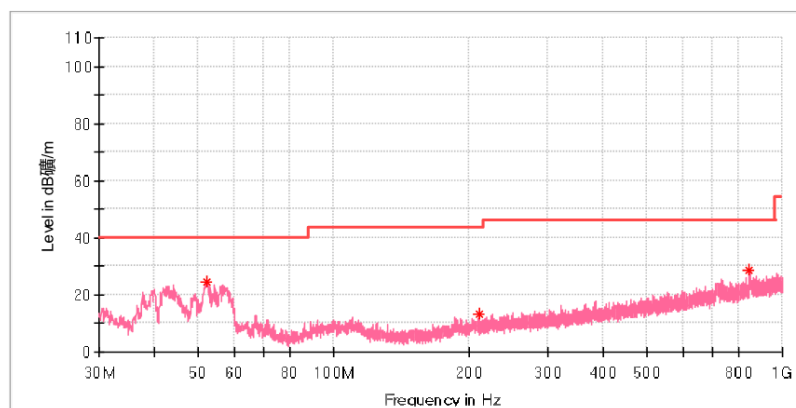
Test

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Test Report

EUT Information

EUT Name:	Floodlight Wired
Model:	5W21S8
Test Mode:	BLE_TX_High CH
Test Voltage:	AC 120V@60Hz
Remark:	Temp 23 Humi:42%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
52.310000	24.62	—	40.00	15.38	100.0	V	150.0	-18.6
211.244500	13.32	—	43.50	30.18	100.0	V	150.0	-19.1
845.091000	28.61	—	46.00	17.39	100.0	V	29.0	-6.0

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1GHz to 18GHz

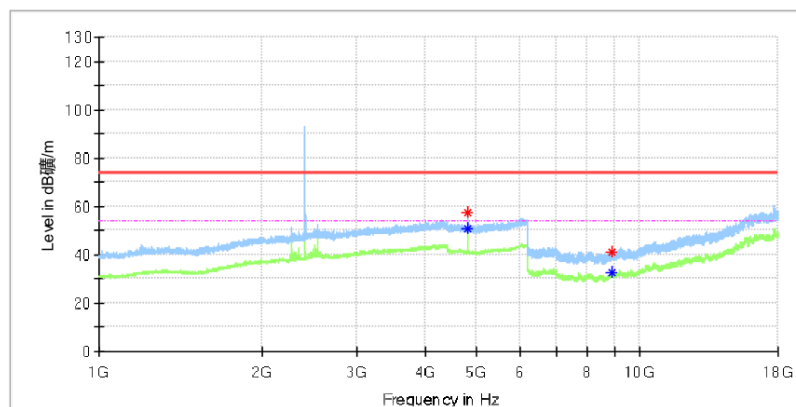
Test

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Test Report

EUT Information

EUT Name:	Floodlight Wired
Model:	5W21S8
Test Mode:	BLE_TX_Low CH
Test Voltage:	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	RMS (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4803.500000	---	50.88	54.00	3.12	100.0	H	251.0	13.6
4804.500000	57.65	---	74.00	16.35	200.0	H	254.0	13.6
8876.633333	---	32.44	54.00	21.56	200.0	H	108.0	9.9
8884.500000	40.85	---	74.00	33.15	200.0	H	172.0	9.8

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	RMS (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---	---

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2:00:17 PM

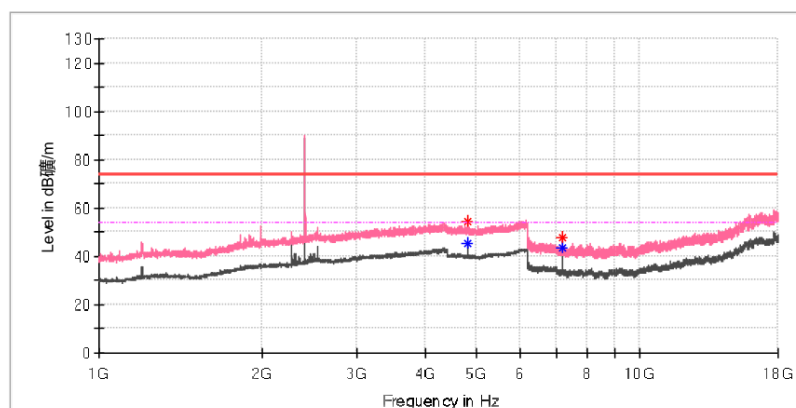
Test

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Test Report

EUT Information

EUT Name: Floodlight Wired
Model: 5W21S8
Test Mode: BLE_TX_Low CH
Test Voltage: AC 120V@60Hz
Remark: Temp 23 Humi:45%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4803.000000	---	45.14	54.00	8.86	100.0	V	332.0	13.6
4803.000000	54.66	---	74.00	19.34	100.0	V	332.0	13.6
7205.458333	---	43.46	54.00	10.54	100.0	V	45.0	8.8
7206.441667	47.52	---	74.00	26.48	100.0	V	2.0	8.8

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	RMS (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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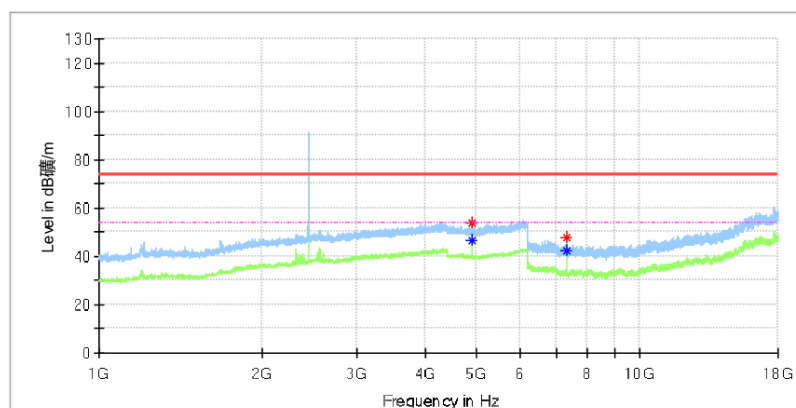
Test

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Test Report

EUT Information

EUT Name: Floodlight Wired
Model: 5W21S8
Test Mode: BLE_TX_Mid CH
Test Voltage: AC 120V@60Hz
Remark: Temp 23 Humi:45%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4880.000000	53.58	---	74.00	20.42	100.0	H	268.0	13.4
4880.000000	---	46.48	54.00	7.52	100.0	H	268.0	13.4
7320.016667	---	42.38	54.00	11.62	100.0	H	59.0	8.2
7320.508333	47.62	---	74.00	26.38	100.0	H	111.0	8.2

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	RMS (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---	---

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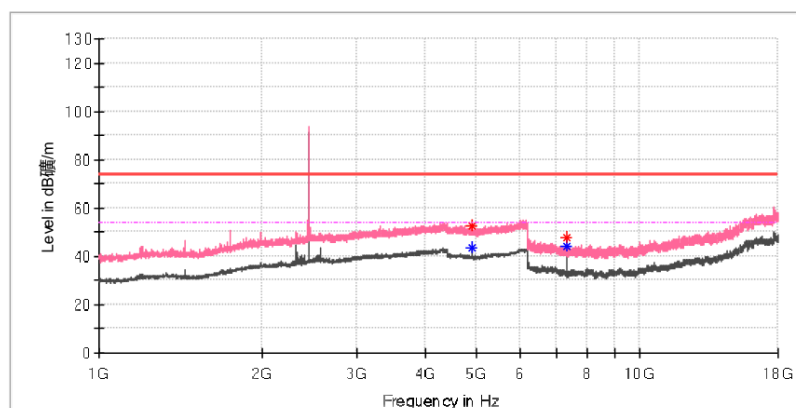
Test

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Test Report

EUT Information

EUT Name:	Floodlight Wired
Model:	5W21S8
Test Mode:	BLE_TX_Mid CH
Test Voltage:	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4880.000000	52.42	---	74.00	21.58	100.0	V	354.0	13.4
4880.000000	---	43.49	54.00	10.51	100.0	V	354.0	13.4
7319.033333	48.07	---	74.00	25.93	100.0	V	47.0	8.2
7319.033333	---	43.84	54.00	10.16	100.0	V	47.0	8.2

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	RMS (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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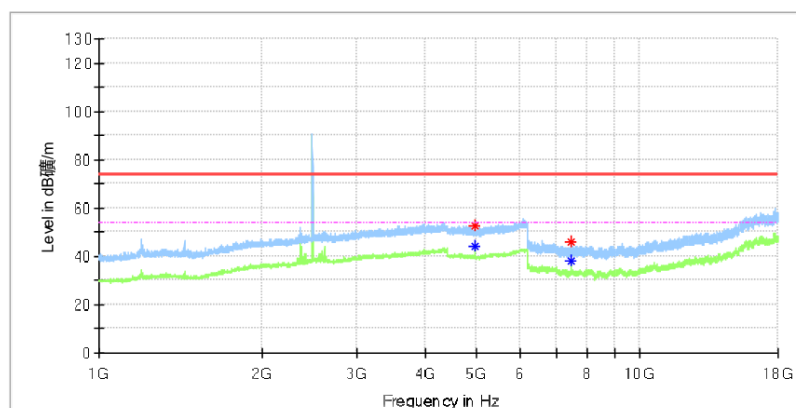
Test

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Test Report

EUT Information

EUT Name: Floodlight Wired
Model: 5W21S8
Test Mode: BLE_TX_High CH
Test Voltage: AC 120V@60Hz
Remark: Temp 23 Humi:45%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4960.000000	52.50	---	74.00	21.50	100.0	H	263.0	13.2
4960.000000	---	44.01	54.00	9.99	100.0	H	263.0	13.2
7438.508333	---	38.09	54.00	15.91	100.0	H	184.0	8.4
7439.000000	46.25	---	74.00	27.75	100.0	H	201.0	8.4

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	RMS (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---	---

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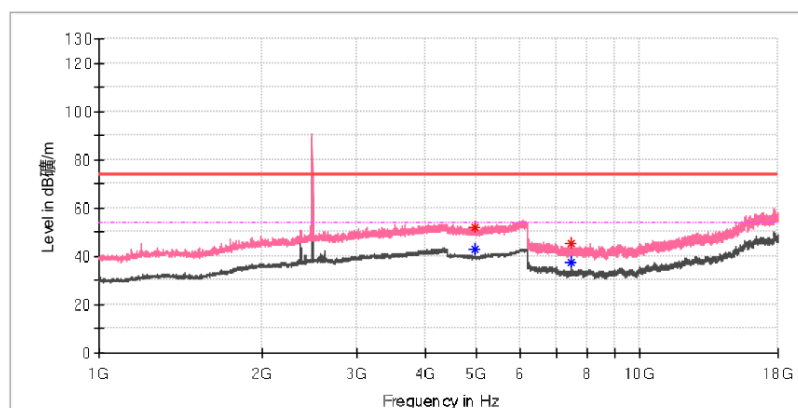
Test

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Test Report

EUT Information

EUT Name:	Floodlight Wired
Model:	5W21S8
Test Mode:	BLE_TX_High CH
Test Voltage:	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4946.500000	51.80	---	74.00	22.20	100.0	V	285.0	13.2
4959.500000	---	42.99	54.00	11.01	100.0	V	308.0	13.2
7439.000000	---	37.78	54.00	16.22	100.0	V	249.0	8.4
7439.000000	45.15	---	74.00	28.85	100.0	V	249.0	8.4

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	RMS (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---	---

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Note: The highest waveform in the figure is Bluetooth Fundamental.

Band Edge, Low Channel

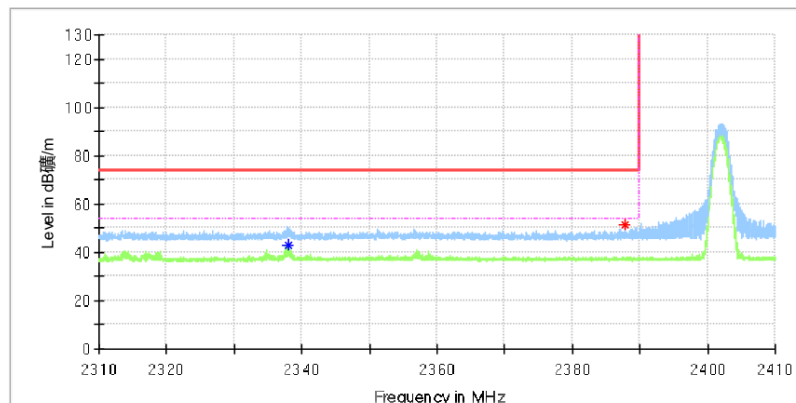
Test

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Test Report

EUT Information

EUT Name:	Floodlight Wired
Model:	5W21S8
Test Mode:	BLE_TX_Low CH
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2337.970588	---	42.65	54.00	11.35	100.0	H	286.0	6.8
2387.764706	51.26	---	74.00	22.74	100.0	H	286.0	7.0

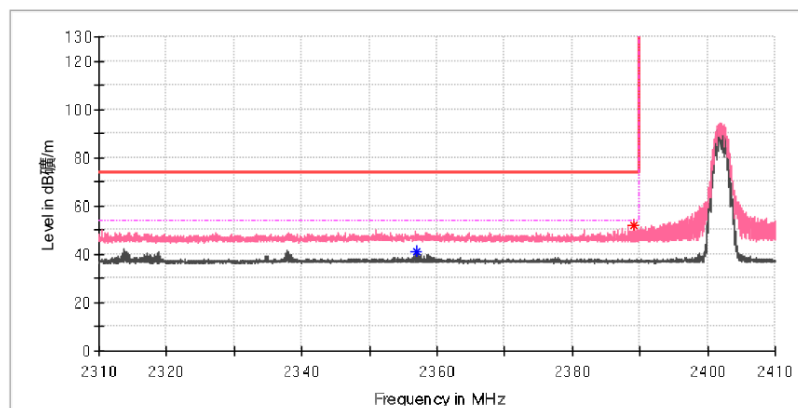
Test

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Test Report

EUT Information

EUT Name:	Floodlight Wired
Model:	5W21S8
Test Mode:	BLE_TX_Low CH
Test Voltage:	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2357.073530	---	41.15	54.00	12.85	100.0	V	291.0	6.9
2389.191177	51.99	---	74.00	22.01	100.0	V	291.0	7.0

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Band Edge, High Channel

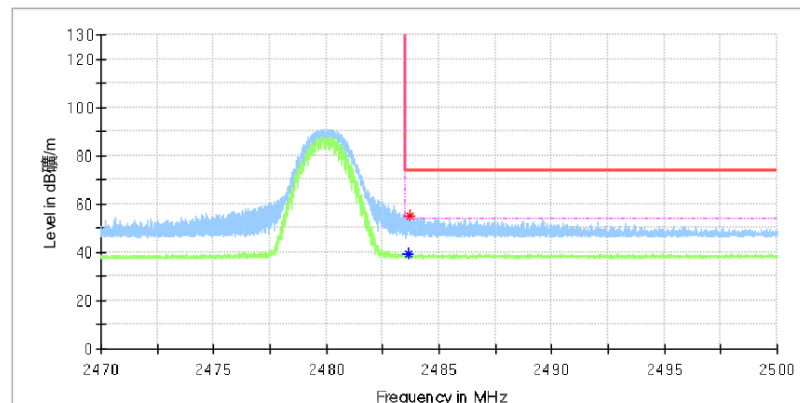
Test

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Test Report

EUT Information

EUT Name:	Floodlight Wired
Model:	5W21S8
Test Mode:	BLE_TX_High CH
Test Voltage:	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.623530	---	39.22	54.00	14.78	100.0	H	128.0	7.4
2483.720588	55.00	---	74.00	19.00	100.0	H	323.0	7.4

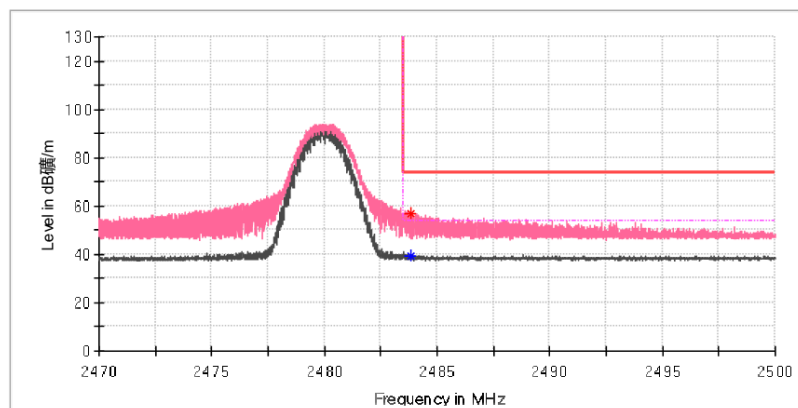
Test

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Test Report

EUT Information

EUT Name:	Floodlight Wired
Model:	5W21S8
TestMode:	BLE_TX_High CH
TestVoltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:45%
TestStandard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.826471	56.92	---	74.00	17.08	100.0	V	279.0	7.4
2483.852941	---	39.48	54.00	14.52	100.0	V	209.0	7.4

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DTSS#2 (Bandwidth: 500KHz)
30 MHz to 1GHz

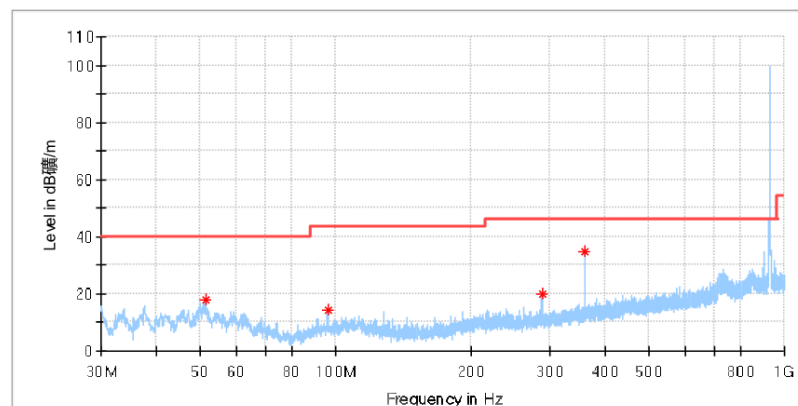
Test

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Test Report

EUT Information

EUT Name:	Floodlight Wired
Model:	5W21S8
Test Mode:	Lora DTS 500K Low CH
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:42%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
51.437000	18.02	---	40.00	21.98	100.0	H	0.0	-18.6
95.960000	14.35	---	43.50	29.16	100.0	H	7.0	-19.9
288.020000	19.79	---	46.00	26.21	100.0	H	0.0	-16.9
359.945500	34.64	---	46.00	11.36	100.0	H	234.0	-15.0

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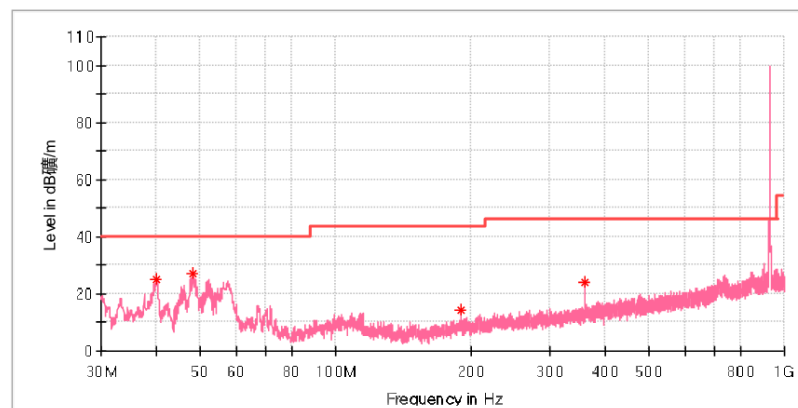
Test

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Test Report

EUT Information

EUT Name:	Floodlight Wired
Model:	5W21S8
Test Mode:	Lora DTS 500K Low CH
Test Voltage:	AC 120V@60Hz
Remark:	Temp 23 Humi:42%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
39.894000	25.10	---	40.00	14.90	100.0	V	53.0	-20.4
48.090500	27.16	---	40.00	12.84	100.0	V	53.0	-18.7
189.662000	14.22	---	43.50	29.28	100.0	V	256.0	-19.9
359.945500	24.05	---	46.00	21.95	100.0	V	288.0	-15.0

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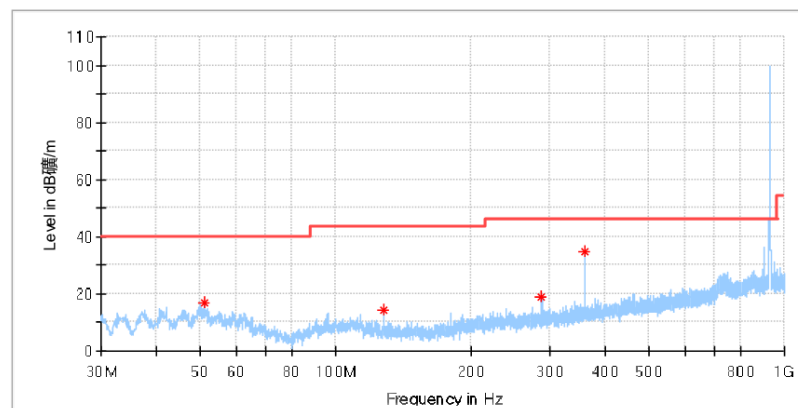
Test

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Test Report

EUT Information

EUT Name:	Floodlight Wired
Model:	5W21S8
Test Mode:	Lora DTS 500K High CH
Test Voltage:	AC 120V@60Hz
Remark:	Temp 23 Humi:42%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
51.049000	16.81	---	40.00	23.19	100.0	H	349.0	-18.6
127.970000	14.24	---	43.50	29.26	100.0	H	218.0	-22.0
287.971500	19.17	---	46.00	26.83	100.0	H	349.0	-16.9
359.945500	34.88	---	46.00	11.12	100.0	H	234.0	-15.0

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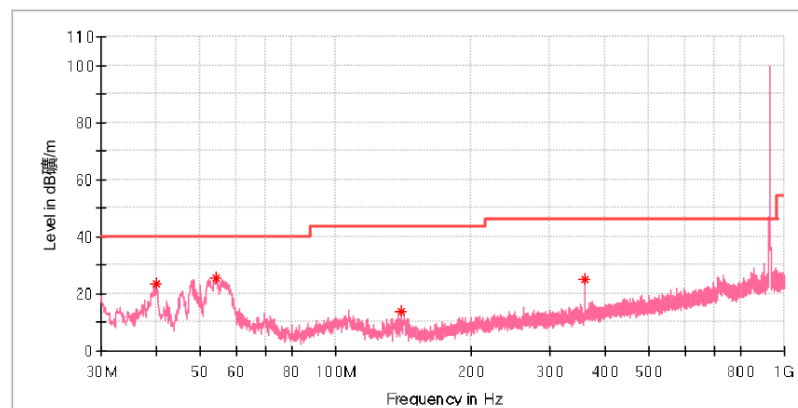
Test

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Test Report

EUT Information

EUT Name:	Floodlight Wired
Model:	5W21S8
Test Mode:	Lora DTS 500K High CH
Test Voltage:	AC 120V@60Hz
Remark:	Temp 23 Humi:42%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
39.894000	23.43	---	40.00	16.57	100.0	V	292.0	-20.4
54.250000	25.82	---	40.00	14.18	100.0	V	128.0	-18.7
140.337500	13.61	---	43.50	29.89	100.0	V	0.0	-22.6
359.945500	24.99	---	46.00	21.01	100.0	V	11.0	-15.0

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1GHz to 10GHz

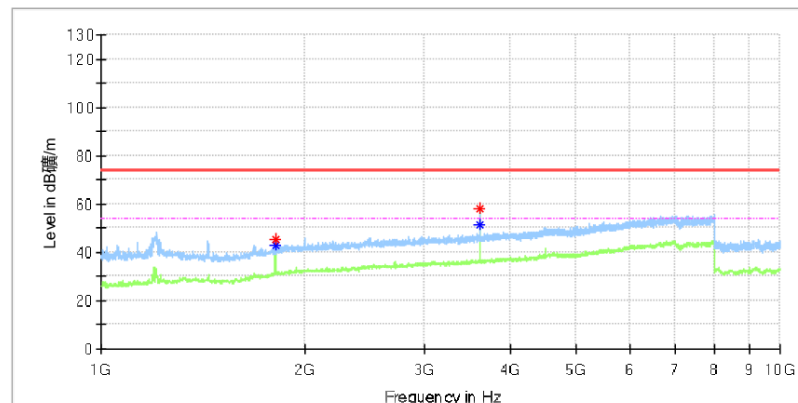
Test

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Test Report

EUT Information

EUT Name:	Floodlight Wired
Model:	5W21S8
Test Mode:	Lora DTS 500K Low CH_902.5MHz
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1805.012500	45.50	---	74.00	28.50	100.0	H	150.0	4.8
1805.012500	---	42.66	54.00	11.34	100.0	H	150.0	4.8
3609.825000	58.34	---	74.00	15.66	100.0	H	291.0	9.4
3610.662500	---	50.35	54.00	3.65	100.0	H	282.0	9.4

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5:40:37 PM

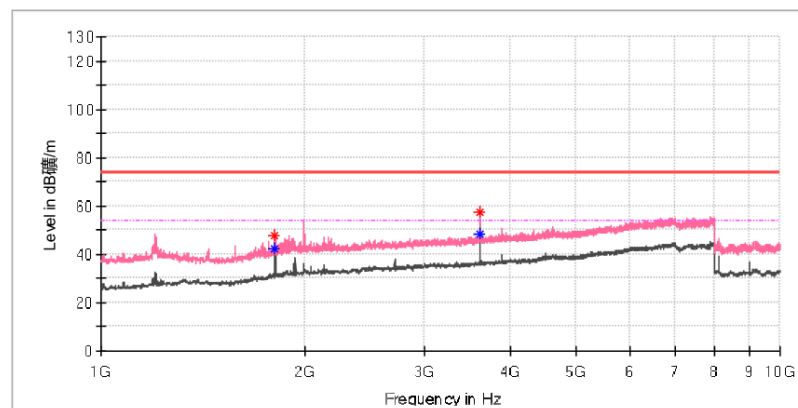
Test

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Test Report

EUT Information

EUT Name:	Floodlight Wired
Model:	5W21S8
Test Mode:	Lora DTS 500K Low CH_902.5MHz
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1804.175000	47.80	---	74.00	26.20	100.0	V	215.0	4.7
1804.175000	---	42.50	54.00	11.50	100.0	V	215.0	4.7
3609.825000	57.16	---	74.00	16.84	100.0	V	215.0	9.4
3611.500000	---	48.63	54.00	5.37	100.0	V	215.0	9.4

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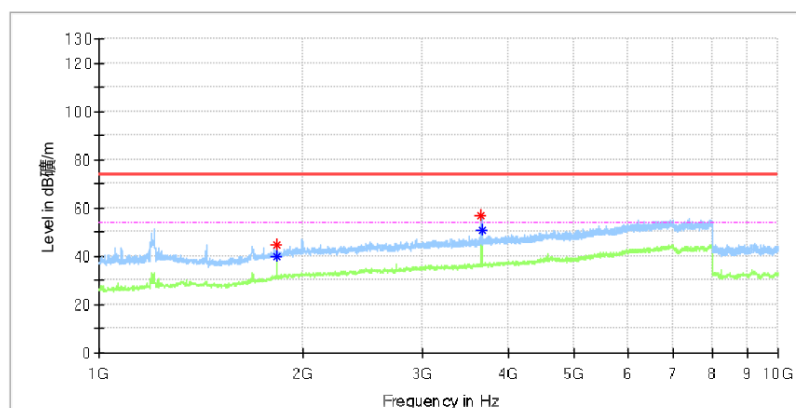
Test

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Test Report

EUT Information

EUT Name:	Floodlight Wired
Model:	5W21S8
TestMode:	Lora DTS 500K Mid CH_914.5MHz
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1828.462500	44.58	---	74.00	29.42	100.0	H	268.0	4.9
1828.462500	---	39.63	54.00	14.37	100.0	H	268.0	4.9
3658.400000	57.10	---	74.00	16.90	100.0	H	293.0	9.4
3659.237500	---	50.95	54.00	3.05	100.0	H	293.0	9.4

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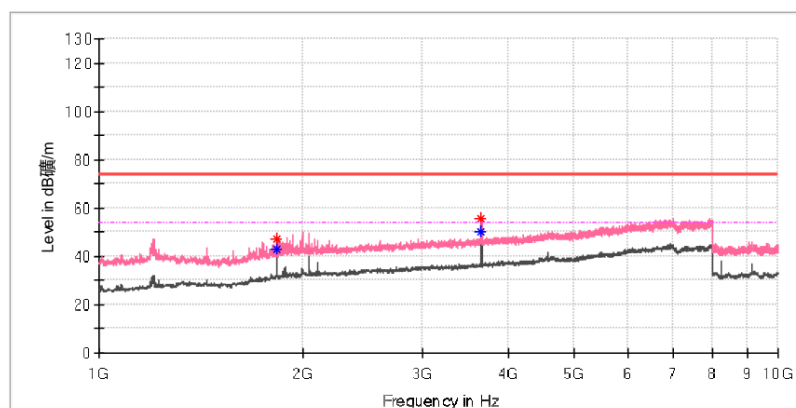
Test

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Test Report

EUT Information

EUT Name:	Floodlight Wired
Model:	5W21S8
TestMode:	Lora DTS 500K Mid CH_914.5MHz
TestVoltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:48%
TestStandard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1828.462500	---	42.81	54.00	11.19	100.0	V	215.0	4.9
1829.300000	47.41	---	74.00	26.59	100.0	V	215.0	4.9
3656.725000	---	50.39	54.00	3.61	100.0	V	215.0	9.4
3656.725000	55.73	---	74.00	18.27	100.0	V	215.0	9.4

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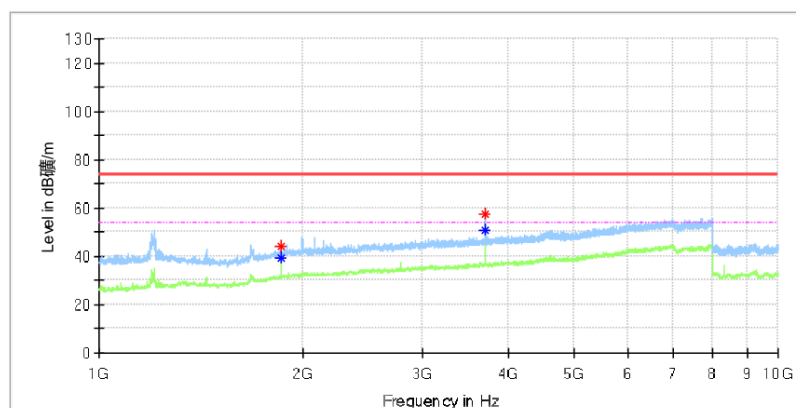
Test

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Test Report

EUT Information

EUT Name:	Floodlight Wired
Model:	5W21S8
Test Mode:	Lora DTS 500K High CH_926.5MHz
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1852.750000	43.88	---	74.00	30.12	100.0	H	231.0	5.0
1852.750000	---	39.01	54.00	14.99	100.0	H	231.0	5.0
3704.462500	---	50.64	54.00	3.36	100.0	H	297.0	9.6
3706.137500	57.49	---	74.00	16.51	100.0	H	288.0	9.6

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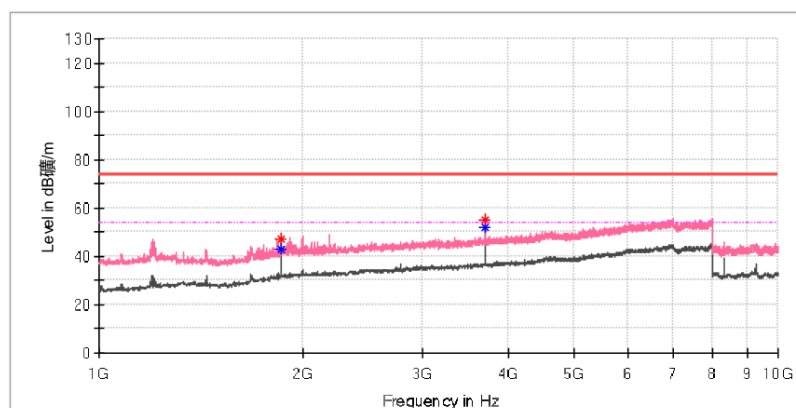
Test

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Test Report

EUT Information

EUT Name:	Floodlight Wired
Model:	5W21S8
Test Mode:	Lora DTS 500K High CH_926.5MHz
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1852.750000	47.07	---	74.00	26.93	100.0	V	211.0	5.0
1852.750000	---	42.96	54.00	11.04	100.0	V	211.0	5.0
3705.300000	---	50.85	54.00	3.15	100.0	V	46.0	9.6
3706.137500	54.95	---	74.00	19.05	100.0	V	55.0	9.6

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FHSS#1 (Bandwidth: 125KHz)
30 MHz to 1GHz

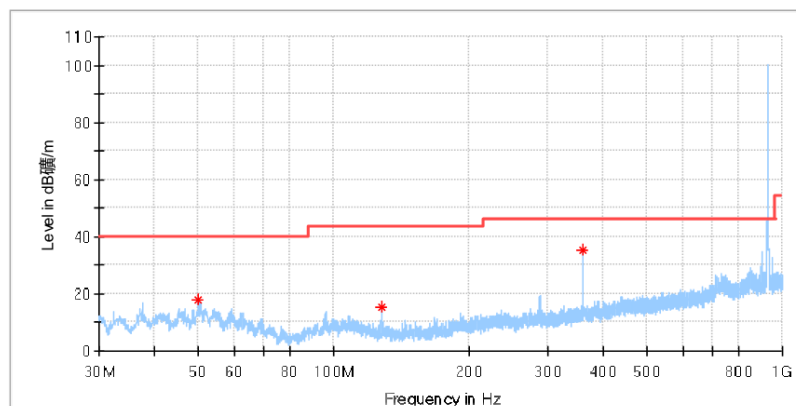
Test

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Test Report

EUT Information

EUT Name:	Floodlight Wired
Model:	5W21S8
Test Mode:	Lora FHSS 125K Low CH
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:42%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.982000	17.82	---	40.00	22.18	100.0	H	200.0	-18.6
127.970000	15.15	---	43.50	28.35	100.0	H	200.0	-22.0
359.945500	35.39	---	46.00	10.61	100.0	H	233.0	-15.0

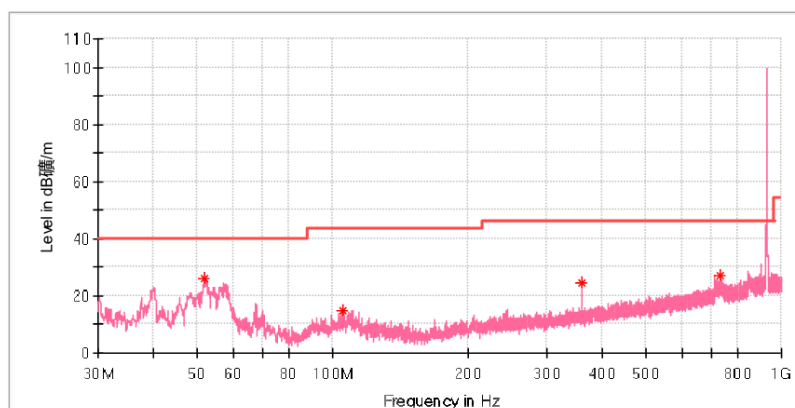
Test

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Test Report

EUT Information

EUT Name:	Floodlight Wired
Model:	5W21S8
Test Mode:	Lora FHSS 125K Low CH
Test Voltage:	AC 120V@60Hz
Remark:	Temp 23 Humi:42%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
51.922000	26.13	---	40.00	13.87	100.0	V	184.0	-18.6
105.660000	15.05	---	43.50	28.45	100.0	V	250.0	-19.1
359.945500	24.50	---	46.00	21.50	100.0	V	275.0	-15.0
729.176000	27.17	---	46.00	18.83	100.0	V	143.0	-7.9

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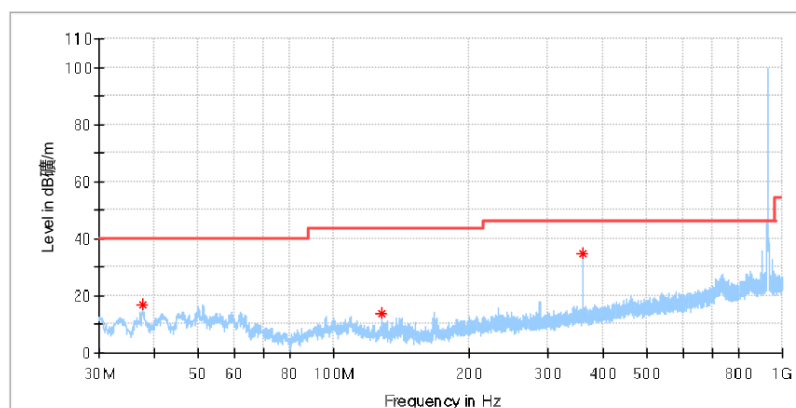
Test

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Test Report

EUT Information

EUT Name:	Floodlight Wired
Model:	5W21S8
Test Mode:	Lora FHSS 125K High CH
Test Voltage:	AC 120V@60Hz
Remark:	Temp 23 Humi:42%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.469000	16.95	---	40.00	23.05	100.0	H	0.0	-21.3
128.018500	13.74	---	43.50	29.76	100.0	H	208.0	-22.0
359.945500	34.81	---	46.00	11.19	100.0	H	241.0	-15.0

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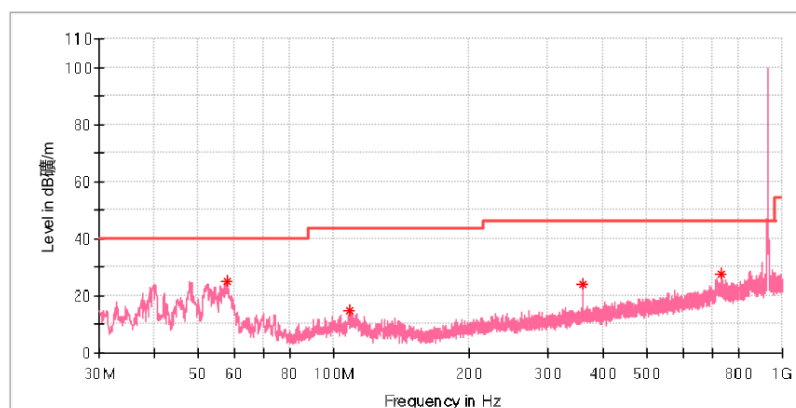
Test

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Test Report

EUT Information

EUT Name:	Floodlight Wired
Model:	5W21S8
Test Mode:	Lora FHSS 125K High CH
Test Voltage:	AC 120V@60Hz
Remark:	Temp 23 Humi:42%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
57.742000	24.95	---	40.00	15.05	100.0	V	329.0	-19.0
108.230500	14.70	---	43.50	28.80	100.0	V	272.0	-19.3
359.945500	24.15	---	46.00	21.85	100.0	V	11.0	-15.0
728.400000	27.39	---	46.00	18.61	100.0	V	44.0	-7.9

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1GHz to 10GHz

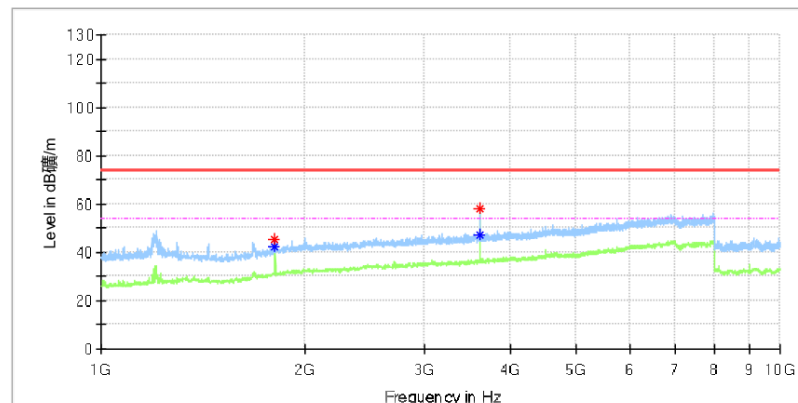
Test

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Test Report

EUT Information

EUT Name:	Floodlight Wired
Model:	5W21S8
Test Mode:	Lora FHSS 125K Low CH_902.2MHz
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1804.175000	45.63	---	74.00	28.37	100.0	H	171.0	4.7
1804.175000	---	42.06	54.00	11.94	100.0	H	171.0	4.7
3608.987500	58.15	---	74.00	15.85	100.0	H	294.0	9.4
3609.825000	---	47.13	54.00	6.87	100.0	H	294.0	9.4

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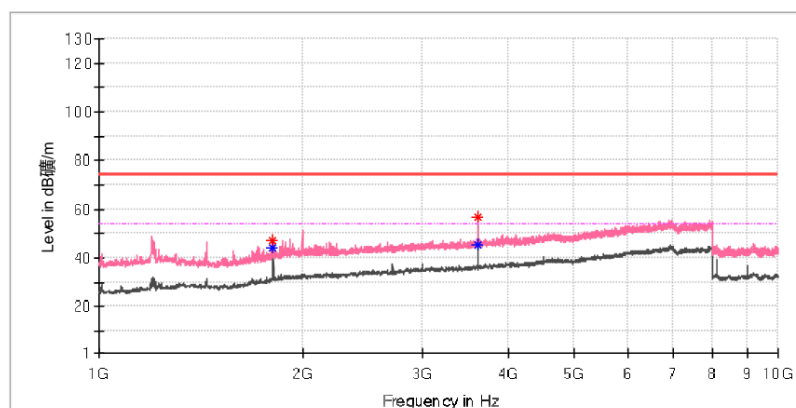
Test

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Test Report

EUT Information

EUT Name:	Floodlight Wired
Model:	5W21S8
Test Mode:	Lora FHSS 125K Low CH_902.2MHz
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1804.175000	46.98	---	74.00	27.02	100.0	V	214.0	4.7
1804.175000	---	44.20	54.00	9.80	100.0	V	214.0	4.7
3608.150000	56.70	---	74.00	17.30	100.0	V	214.0	9.4
3609.825000	---	45.10	54.00	8.90	100.0	V	35.0	9.4

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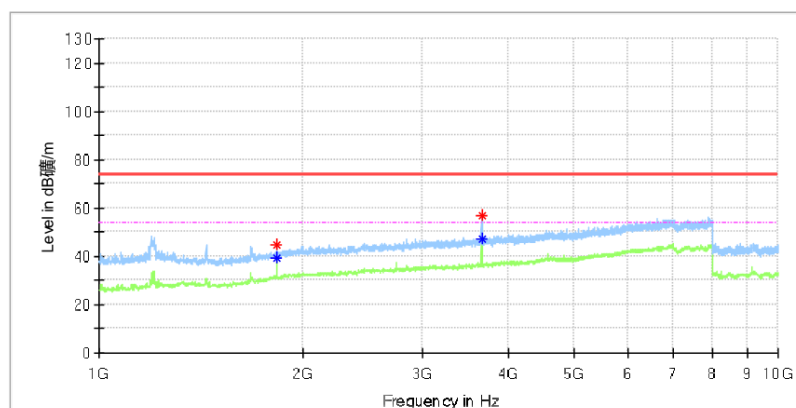
Test

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Test Report

EUT Information

EUT Name:	Floodlight Wired
Model:	5W21S8
Test Mode:	Lora FHSS 125K Mid CH_915MHz
Test Voltage::	AC 120V@60Hz
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1829.300000	44.50	---	74.00	29.50	100.0	H	332.0	4.9
1829.300000	---	39.33	54.00	14.67	100.0	H	332.0	4.9
3660.075000	56.81	---	74.00	17.19	100.0	H	193.0	9.4
3660.912500	---	47.42	54.00	6.58	100.0	H	156.0	9.5

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