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

Appendix D.1: Test Results of Radiated Spurious Emissions

DTSS#1(BLE)
30 MHz to 1GHz

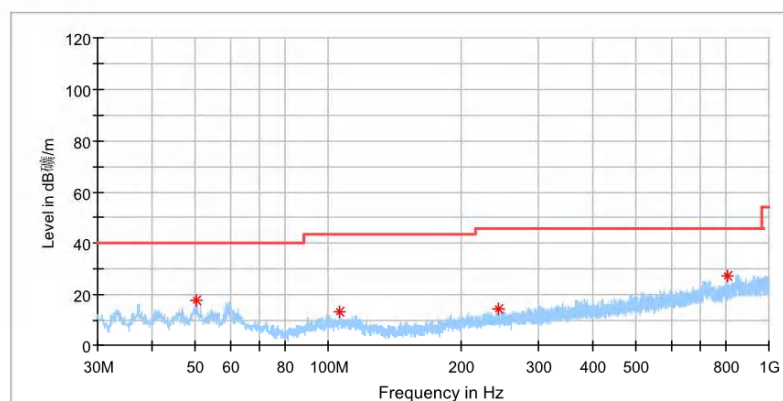
Test

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Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	BLE_Low CH 2402MHz
Test Voltage::	Fully charged battery
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)
50.321500	17.74	---	40.00	22.26	100.0	H	217.0	-18.6
106.193500	13.45	---	43.50	30.05	100.0	H	346.0	-19.2
243.885000	14.67	---	46.00	31.33	100.0	H	338.0	-17.9
806.388000	27.25	---	46.00	18.75	100.0	H	217.0	-6.7

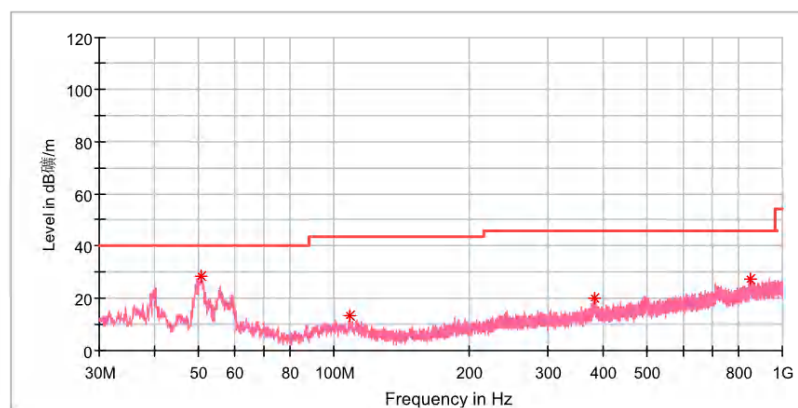
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: BLE_Low CH 2402MHz
Test Voltage: Fully charged battery
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)
50.758000	28.35	---	40.00	11.65	100.0	V	266.0	-18.6
108.618500	13.42	---	43.50	30.08	100.0	V	102.0	-19.3
380.364000	20.03	---	46.00	25.97	100.0	V	201.0	-14.6
848.583000	27.30	---	46.00	18.70	100.0	V	37.0	-5.9

10/12/2019

11:43:04 AM

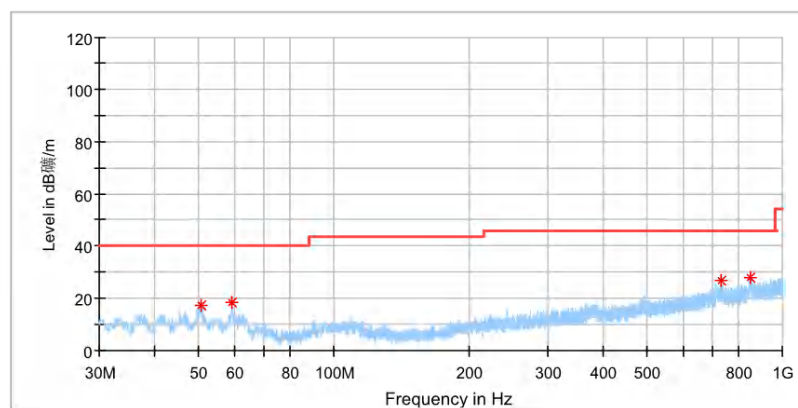
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: BLE_High CH 2480MHz
Test Voltage: Fully charged battery
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)
50.806500	17.16	---	40.00	22.84	100.0	H	167.0	-18.6
59.391000	18.30	---	40.00	21.70	100.0	H	28.0	-19.2
729.467000	26.76	---	46.00	19.24	100.0	H	118.0	-7.9
848.389000	27.82	---	46.00	18.18	100.0	H	258.0	-5.9

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11:43:04 AM

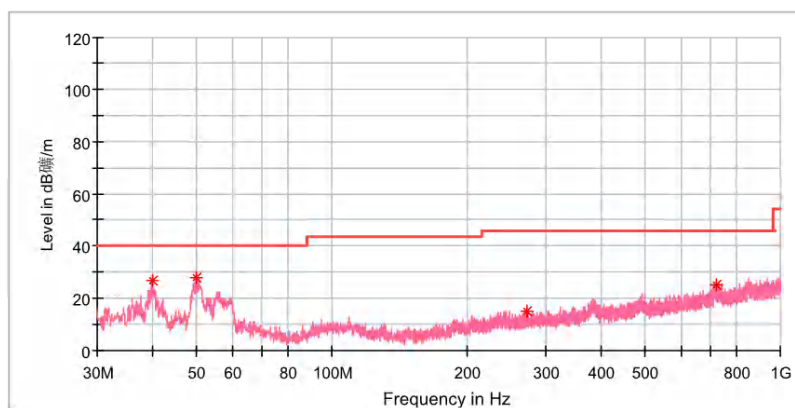
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: BLE_High CH 2480MHz
Test Voltage: Fully charged battery
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)
39.748500	26.58	---	40.00	13.42	100.0	V	184.0	-20.5
50.030500	27.67	---	40.00	12.33	100.0	V	299.0	-18.6
272.306000	15.32	---	46.00	30.68	100.0	V	241.0	-17.2
718.118000	25.10	---	46.00	20.90	100.0	V	299.0	-8.1

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1GHz to 18GHz

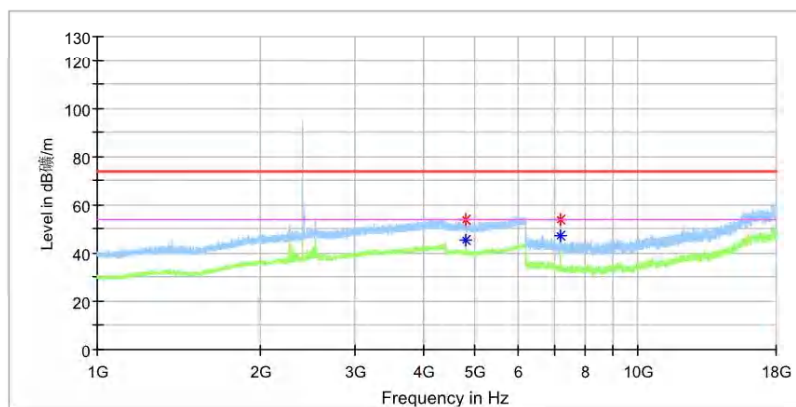
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: BLE_Low CH 2402MHz
Test Voltage: Fully charged battery
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)
4803.000000	53.99	---	74.00	20.01	100.0	H	263.0	13.6
4804.000000	---	45.26	54.00	8.74	100.0	H	273.0	13.6
7206.441667	---	47.02	54.00	6.98	100.0	H	114.0	8.8
7206.441667	53.65	---	74.00	20.35	100.0	H	114.0	8.8

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7:37:42 PM

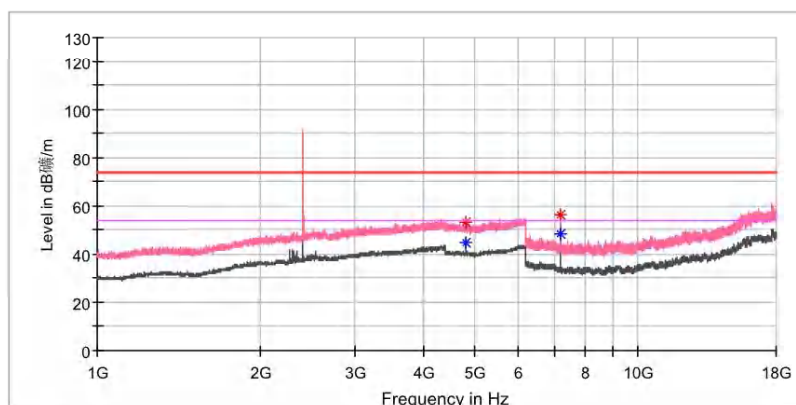
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: BLE_Low CH 2402MHz
Test Voltage: Fully charged battery
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)
4803.500000	52.99	---	74.00	21.01	100.0	V	84.0	13.6
4804.000000	---	44.68	54.00	9.32	100.0	V	110.0	13.6
7205.950000	---	48.46	54.00	5.54	100.0	V	168.0	8.8
7206.441667	56.28	---	74.00	17.72	100.0	V	269.0	8.8

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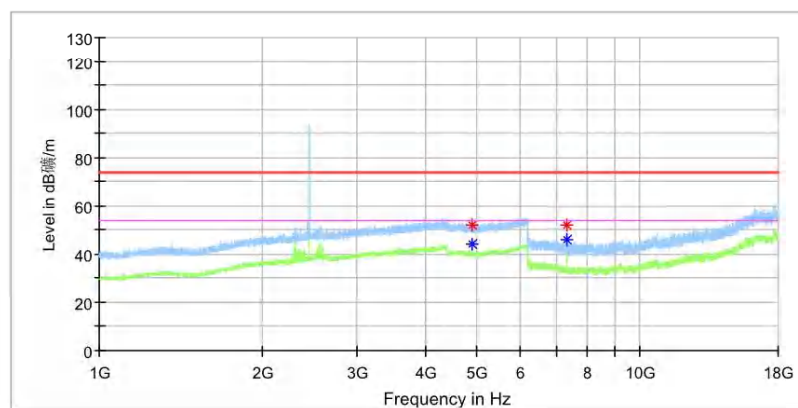
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: BLE_Mid CH 2440MHz
Test Voltage: Fully charged battery
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)
4879.000000	52.23	---	74.00	21.77	100.0	H	187.0	13.4
4880.000000	---	43.94	54.00	10.06	100.0	H	24.0	13.4
7318.541667	---	46.22	54.00	7.78	100.0	H	271.0	8.2
7319.033333	51.83	---	74.00	22.17	100.0	H	271.0	8.2

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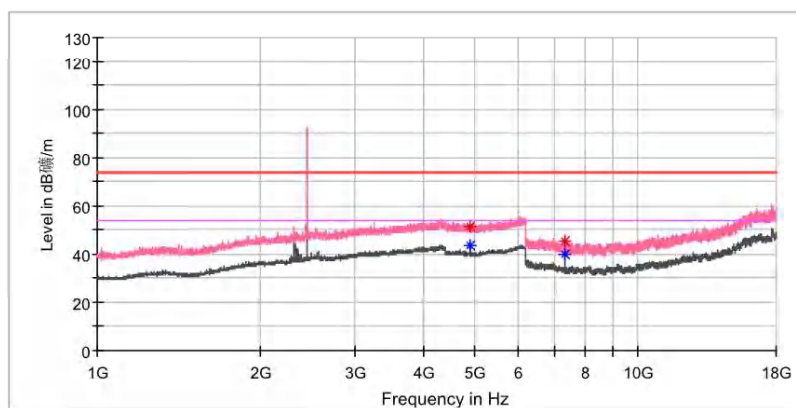
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: BLE_Mid CH 2440MHz
Test Voltage: Fully charged battery
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)
4879.000000	51.49	---	74.00	22.51	100.0	V	198.0	13.4
4879.500000	---	43.41	54.00	10.60	100.0	V	250.0	13.4
7319.033333	45.17	---	74.00	28.83	100.0	V	94.0	8.2
7319.525000	---	39.66	54.00	14.34	100.0	V	94.0	8.2

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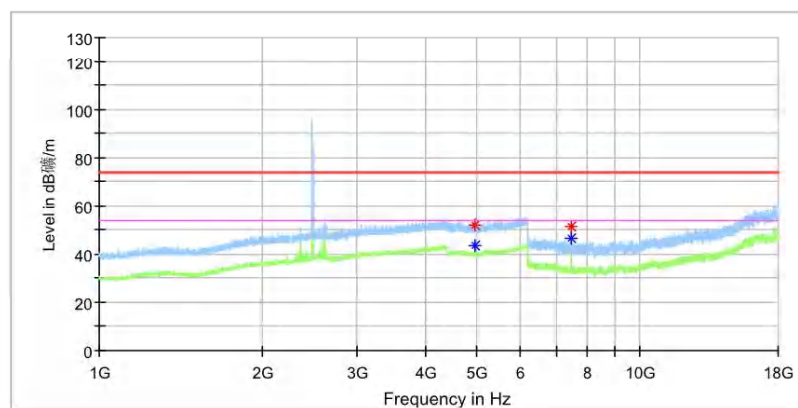
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: BLE_High CH 2480MHz
Test Voltage: Fully charged battery
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)
4959.500000	---	43.41	54.00	10.59	100.0	H	177.0	13.2
4959.500000	51.89	---	74.00	22.11	100.0	H	177.0	13.2
7439.000000	51.49	---	74.00	22.51	100.0	H	134.0	8.4
7439.491667	---	46.29	54.00	7.71	100.0	H	134.0	8.4

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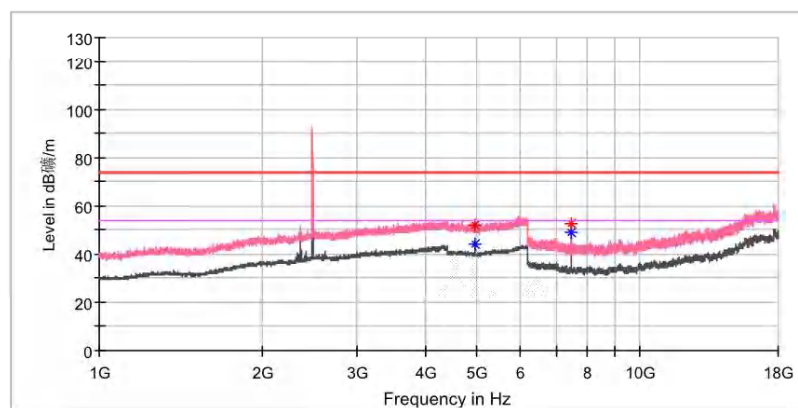
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: BLE_High CH 2480MHz
Test Voltage: Fully charged battery
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)
4959.500000	51.91	---	74.00	22.10	100.0	V	81.0	13.2
4960.000000	---	44.23	54.00	9.77	100.0	V	81.0	13.2
7439.491667	---	48.79	54.00	5.21	100.0	V	204.0	8.4
7440.475000	52.72	---	74.00	21.28	100.0	V	204.0	8.4

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Band Edge, Low Channel

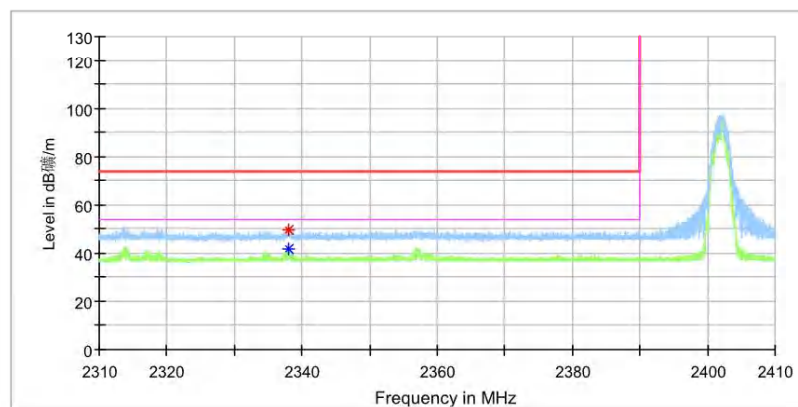
Test

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Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	BLE_Low CH 2402MHz
Test Voltage::	Fully charged battery
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)
2337.941177	---	41.86	54.00	12.14	100.0	H	193.0	6.8
2338.044118	49.71	---	74.00	24.29	100.0	H	95.0	6.8

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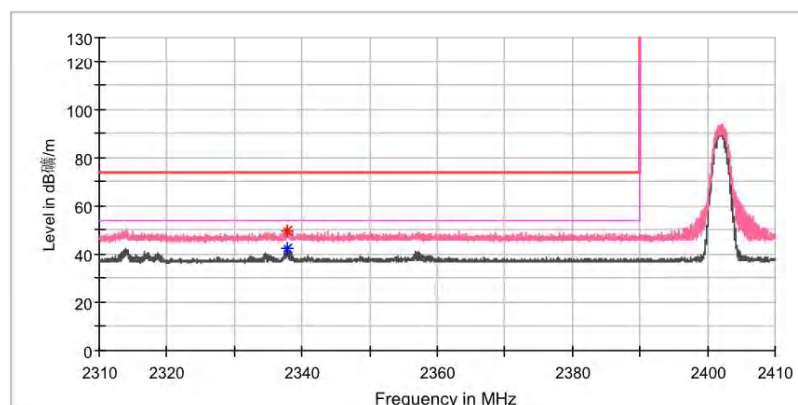
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: BLE_Low CH 2402MHz
Test Voltage: Fully charged battery
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)
2337.750000	---	42.40	54.00	11.60	100.0	V	334.0	6.8
2337.750000	49.36	---	74.00	24.64	100.0	V	334.0	6.8

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Band Edge, High Channel

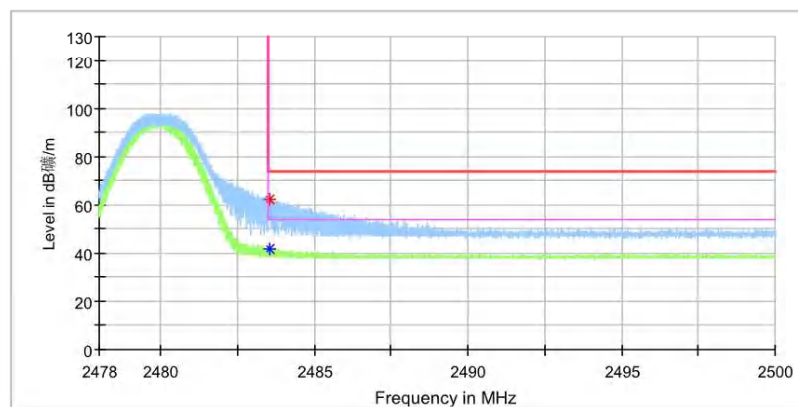
Test

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Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	BLE_High CH 2480MHz
Test Voltage::	Fully charged battery
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)
2483.567941	---	42.02	54.00	11.98	100.0	H	99.0	7.4
2483.567941	62.39	---	74.00	11.61	100.0	H	99.0	7.4

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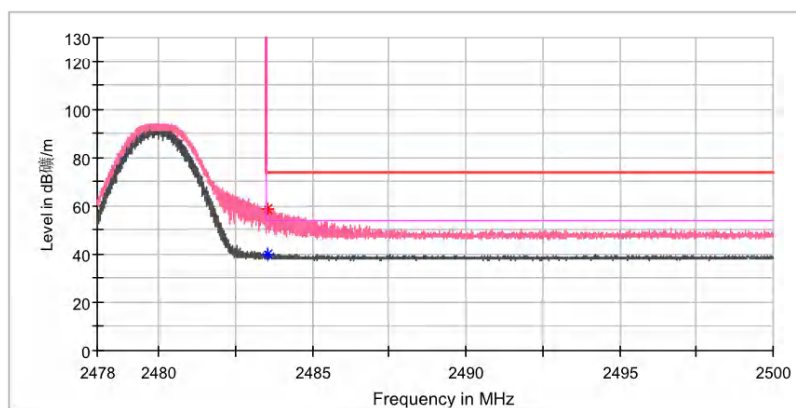
Test

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Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	BLE_High CH 2480MHz
Test Voltage:	Fully charged battery
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)
2483.551765	58.92	---	74.00	15.08	100.0	V	54.0	7.4
2483.558235	---	39.69	54.00	14.31	100.0	V	312.0	7.4

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

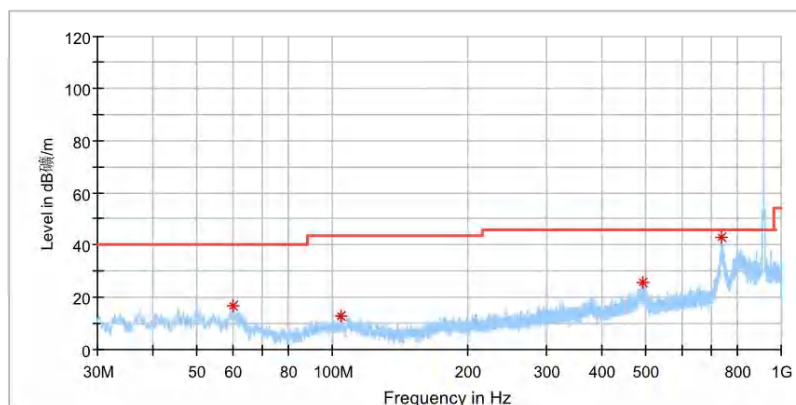
Test

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Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	DTS 500K Low CH_902.5MHz
Test Voltage::	Fully charged battery
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)
60.312500	16.85	---	40.00	23.15	100.0	H	151.0	-19.4
104.932500	12.82	---	43.50	30.68	100.0	H	190.0	-19.1
491.332000	25.64	---	46.00	20.36	100.0	H	280.0	-12.4
737.809000	42.82	---	46.00	3.18	100.0	H	159.0	-7.8

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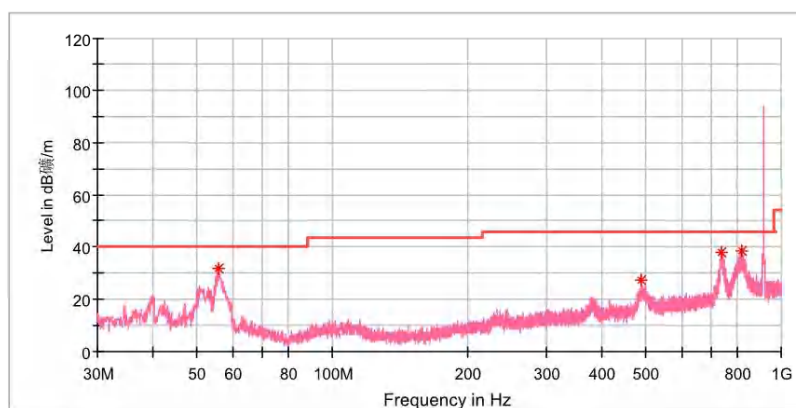
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: DTS 500K Low CH_902.5MHz
Test Voltage: Fully charged battery
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)
55.608000	31.60	---	40.00	8.40	100.0	V	275.0	-18.8
487.791500	27.08	---	46.00	18.92	100.0	V	21.0	-12.4
737.566500	38.00	---	46.00	8.00	100.0	V	243.0	-7.8
819.725500	38.57	---	46.00	7.43	100.0	V	202.0	-6.4

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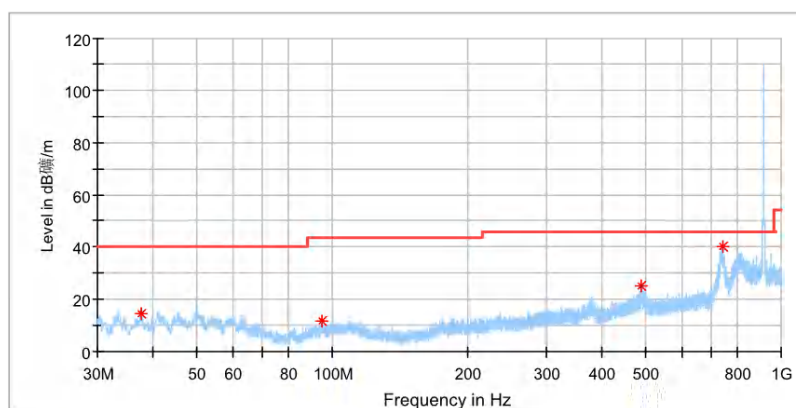
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: DTS 500K High CH_926.5MHz
Test Voltage: Fully charged battery
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	14.73	---	40.00	25.27	100.0	H	167.0	-21.3
95.038500	11.88	---	43.50	31.62	100.0	H	358.0	-20.1
487.452000	25.23	---	46.00	20.77	100.0	H	85.0	-12.4
739.797500	40.45	---	46.00	5.55	100.0	H	151.0	-7.8

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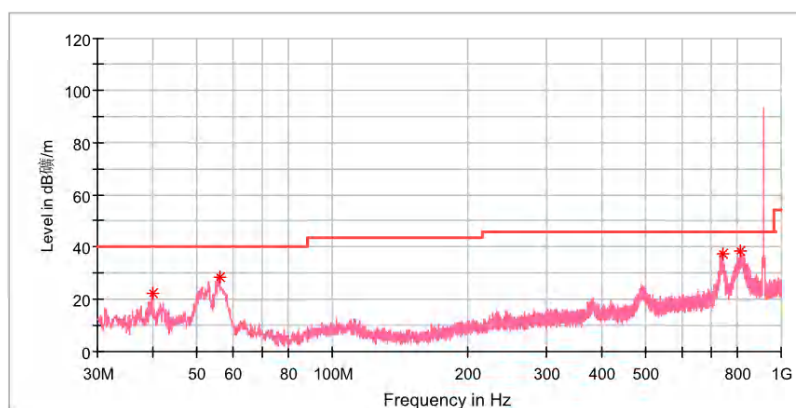
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: DTS 500K High CH_926.5MHz
Test Voltage: Fully charged battery
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)
39.797000	22.57	---	40.00	17.43	100.0	V	309.0	-20.5
56.044500	28.28	---	40.00	11.72	100.0	V	293.0	-18.8
742.125500	37.51	---	46.00	8.49	100.0	V	285.0	-7.7
813.614500	38.79	---	46.00	7.21	100.0	V	244.0	-6.5

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1GHz to 18GHz

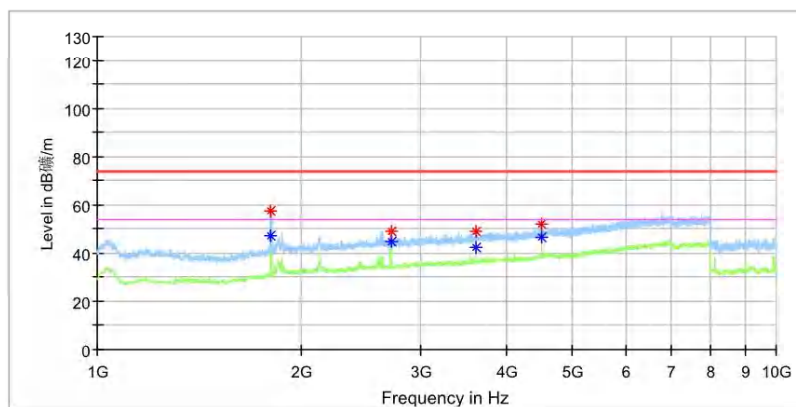
Test

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Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	DTS 500K Low CH_902.5MHz
Test Voltage::	Fully charged battery
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)
1803.337500	---	47.27	54.00	6.73	100.0	H	168.0	4.7
1804.175000	57.33	---	74.00	16.67	100.0	H	168.0	4.7
2707.000000	---	45.04	54.00	8.96	100.0	H	83.0	7.6
2707.000000	49.20	---	74.00	24.80	100.0	H	83.0	7.6
3608.987500	48.84	---	74.00	25.16	100.0	H	102.0	9.4
3609.825000	---	42.52	54.00	11.48	100.0	H	26.0	9.4
4511.812500	52.20	---	74.00	21.80	100.0	H	243.0	11.6
4512.650000	---	46.86	54.00	7.14	100.0	H	262.0	11.6

7/12/2019

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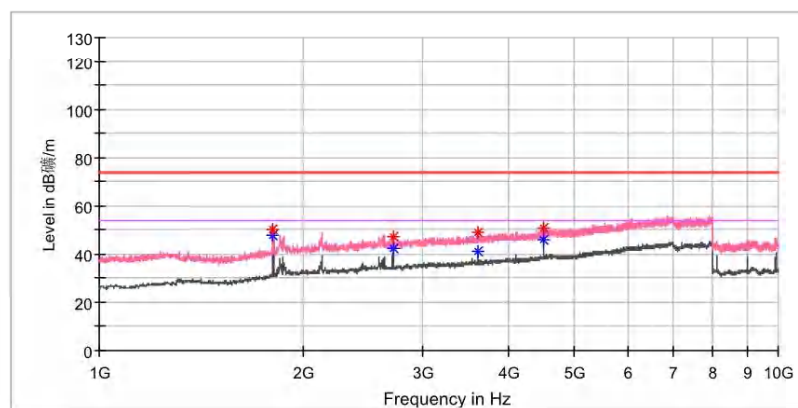
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: DTS 500K Low CH_902.5MHz
Test Voltage: Fully charged battery
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)
1804.175000	---	47.99	54.00	6.01	100.0	V	165.0	4.7
1804.175000	49.90	---	74.00	24.10	100.0	V	165.0	4.7
2707.000000	47.11	---	74.00	26.89	100.0	V	193.0	7.6
2707.837500	---	42.06	54.00	11.94	100.0	V	231.0	7.6
3609.825000	---	41.13	54.00	12.87	100.0	V	33.0	9.4
3610.662500	48.69	---	74.00	25.31	100.0	V	52.0	9.4
4511.812500	---	45.78	54.00	8.22	100.0	V	156.0	11.6
4511.812500	50.85	---	74.00	23.15	100.0	V	156.0	11.6

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5:53:51 PM

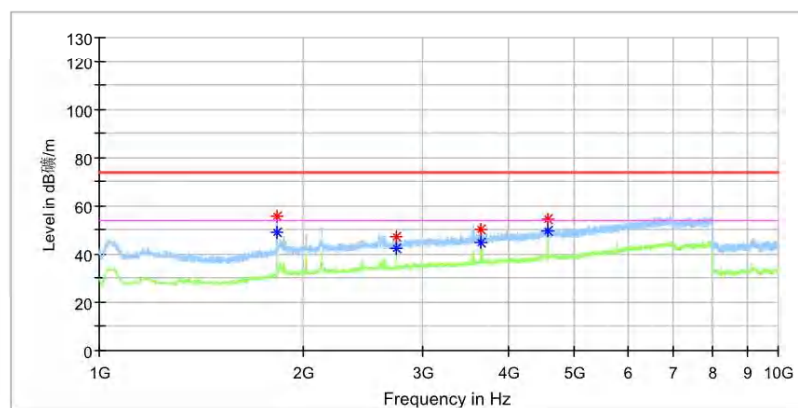
Test

3 / 6

Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: DTS 500K Mid CH_914.5MHz
Test Voltage: Fully charged battery
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)
1827.625000	---	49.01	54.00	4.99	100.0	H	183.0	4.9
1828.462500	55.59	---	74.00	18.41	100.0	H	183.0	4.9
2743.850000	---	42.38	54.00	11.62	100.0	H	60.0	7.8
2743.850000	47.37	---	74.00	26.63	100.0	H	60.0	7.8
3657.562500	---	44.46	54.00	9.54	100.0	H	41.0	9.4
3657.562500	50.17	---	74.00	23.83	100.0	H	41.0	9.4
4572.950000	---	49.77	54.00	4.23	100.0	H	274.0	12.0
4572.950000	54.63	---	74.00	19.37	100.0	H	274.0	12.0

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5:53:51 PM

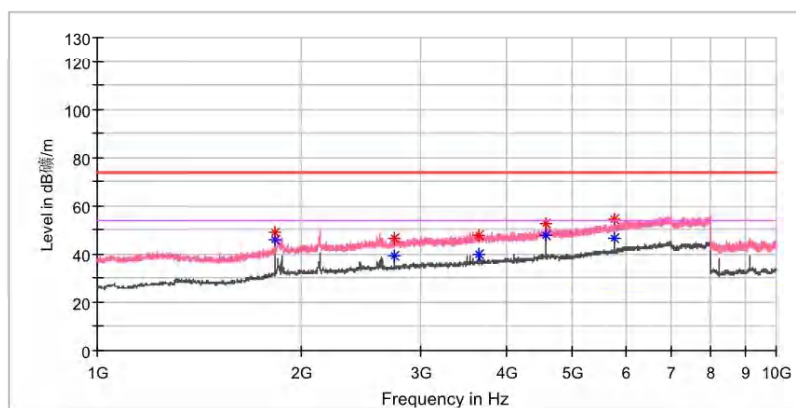
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: DTS 500K Mid CH_914.5MHz
Test Voltage: Fully charged battery
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)
1827.625000	48.97	---	74.00	25.03	100.0	V	168.0	4.9
1828.462500	---	45.88	54.00	8.12	100.0	V	168.0	4.9
2743.012500	46.35	---	74.00	27.65	100.0	V	224.0	7.8
2743.850000	---	39.35	54.00	14.65	100.0	V	309.0	7.8
3658.400000	---	39.65	54.00	14.35	100.0	V	196.0	9.4
3658.400000	47.52	---	74.00	26.48	100.0	V	196.0	9.4
4572.112500	---	47.62	54.00	6.38	100.0	V	290.0	12.0
4572.950000	52.34	---	74.00	21.66	100.0	V	300.0	12.0
5783.975000	---	46.77	54.00	7.23	100.0	V	1.0	14.0
5784.812500	54.35	---	74.00	19.65	100.0	V	1.0	14.0

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5:53:51 PM

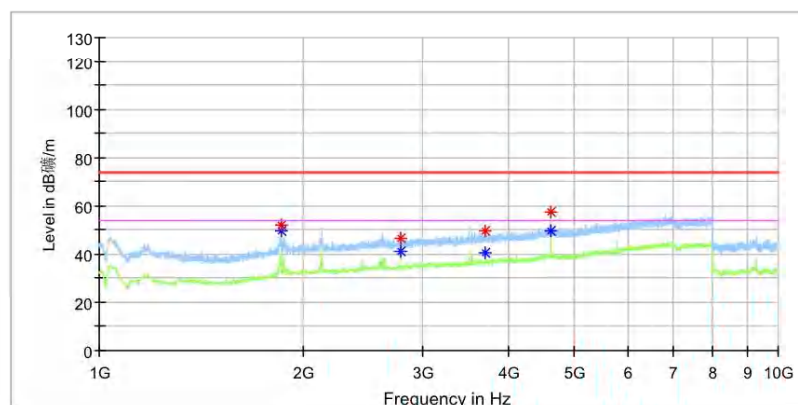
Test

5 / 6

Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: DTS 500K High CH_926.5MHz
Test Voltage: Fully charged battery
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)
1851.912500	52.23	---	74.00	21.77	100.0	H	139.0	5.0
1852.750000	---	49.65	54.00	4.35	100.0	H	147.0	5.0
2779.025000	---	41.38	54.00	12.62	100.0	H	76.0	7.9
2779.025000	46.67	---	74.00	27.33	100.0	H	76.0	7.9
3705.300000	---	40.29	54.00	13.71	100.0	H	49.0	9.6
3705.300000	49.53	---	74.00	24.47	100.0	H	49.0	9.6
4630.737500	---	49.50	54.00	4.50	100.0	H	229.0	12.0
4632.412500	57.24	---	74.00	16.76	100.0	H	229.0	12.0

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5:53:51 PM

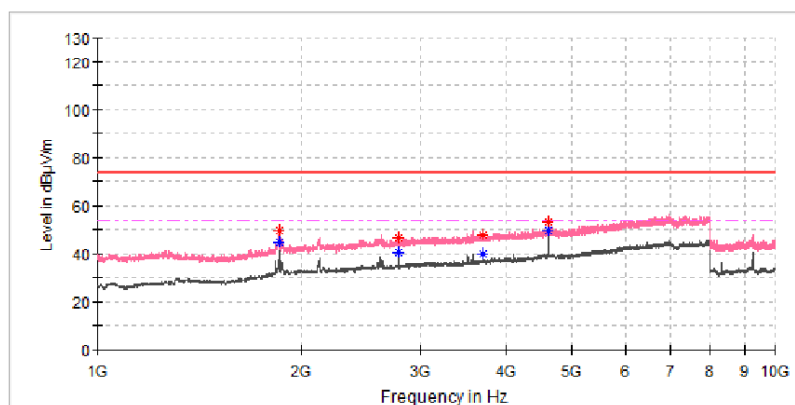
Test

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Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	DTS 500K High CH_926.5MHz
Test Voltage:	Fully charged battery
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)
1852.750000	---	44.99	54.00	9.01	100.0	V	293.0	5.0
1852.750000	49.44	---	74.00	24.56	100.0	V	293.0	5.0
2779.862500	---	40.53	54.00	13.47	100.0	V	331.0	7.9
2779.862500	46.35	---	74.00	27.65	100.0	V	331.0	7.9
3705.300000	---	40.05	54.00	13.95	100.0	V	183.0	9.6
3706.137500	47.95	---	74.00	26.05	100.0	V	192.0	9.6
4631.575000	---	49.38	54.00	4.62	100.0	V	302.0	12.0
4632.412500	53.24	---	74.00	20.76	100.0	V	312.0	12.0

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DTSS#3 (Bandwidth: 500KHz)
30 MHz to 1GHz

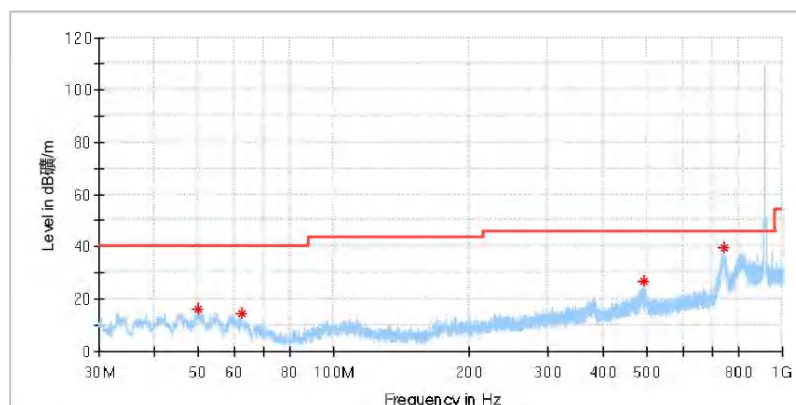
Test

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Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	DTS 500K Low CH_903MHz
Test Voltage::	Fully charged battery
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	16.03	---	40.00	23.97	100.0	H	208.0	-18.6
62.446500	14.78	---	40.00	25.22	100.0	H	0.0	-19.8
490.604500	26.56	---	46.00	19.44	100.0	H	274.0	-12.4
741.543500	39.58	---	46.00	6.42	100.0	H	150.0	-7.7

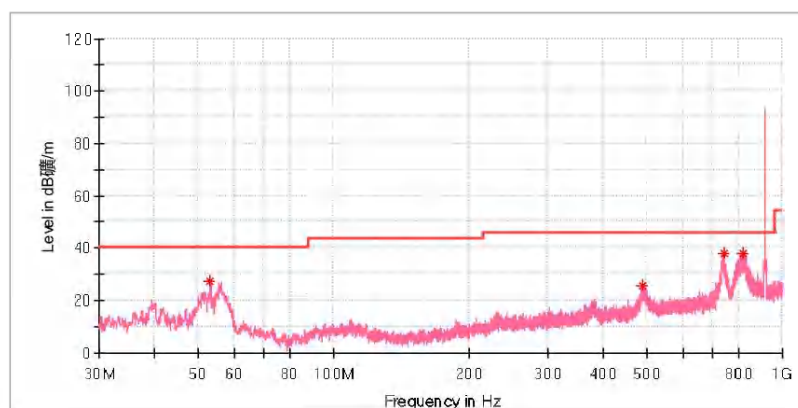
Test

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Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	DTS 500K Low CH_903MHz
Test Voltage:	Fully charged battery
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)
53.086000	27.46	---	40.00	12.54	100.0	V	292.0	-18.7
487.306500	25.48	---	46.00	20.52	100.0	V	62.0	-12.4
738.924500	38.17	---	46.00	7.83	100.0	V	185.0	-7.8
815.263500	37.96	---	46.00	8.04	100.0	V	218.0	-6.5

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5:35:34 PM

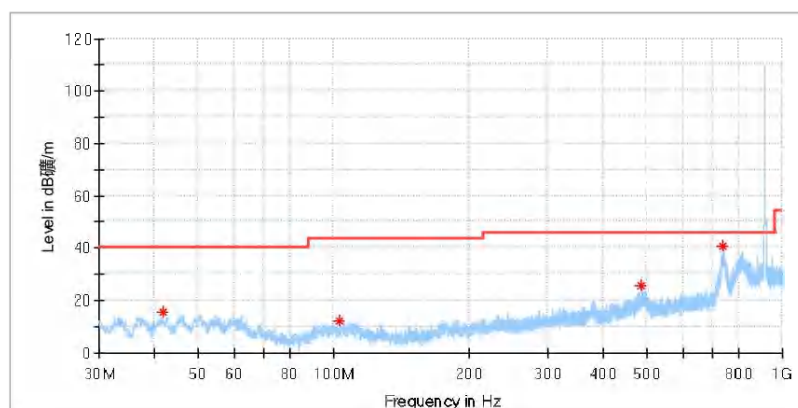
Test

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Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	DTS 500K High CH_914.2MHz
Test Voltage:	Fully charged battery
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)
41.640000	15.62	---	40.00	24.38	100.0	H	0.0	-20.0
103.138000	12.46	---	43.50	31.04	100.0	H	233.0	-19.2
485.318000	25.83	---	46.00	20.18	100.0	H	77.0	-12.4
737.421000	40.48	---	46.00	5.52	100.0	H	151.0	-7.8

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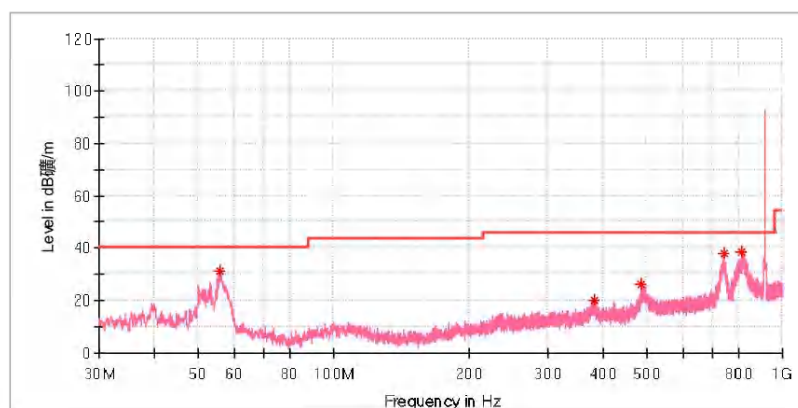
Test

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Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	DTS 500K High CH_914.2MHz
Test Voltage:	Fully charged battery
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)
55.753500	31.11	---	40.00	8.89	100.0	V	258.0	-18.8
381.188500	20.13	---	46.00	25.87	100.0	V	46.0	-14.5
485.706000	26.46	---	46.00	19.54	100.0	V	356.0	-12.4
739.070000	37.98	---	46.00	8.02	100.0	V	203.0	-7.8
811.529000	38.52	---	46.00	7.48	100.0	V	211.0	-6.5

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1GHz to 18GHz

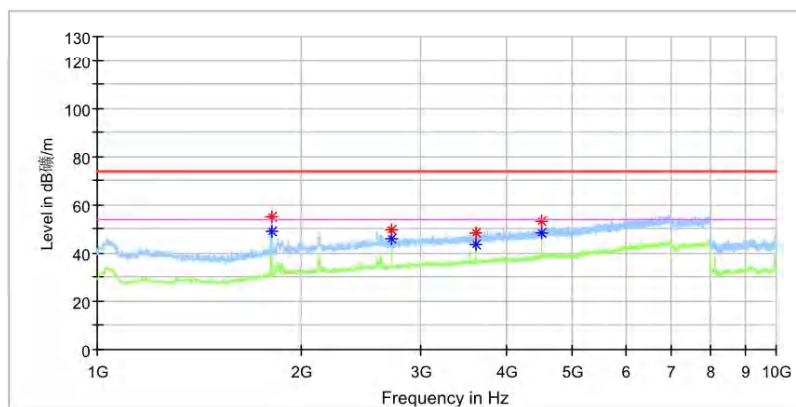
Test

1 / 6

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	DTS 500K Low CH_903MHz
Test Voltage:	Fully charged battery
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)
1805.012500	54.73	---	74.00	19.27	100.0	H	198.0	4.8
1806.687500	---	48.90	54.00	5.10	100.0	H	189.0	4.8
2708.675000	49.79	---	74.00	24.21	100.0	H	55.0	7.6
2708.675000	---	46.25	54.00	7.75	100.0	H	55.0	7.6
3612.337500	---	43.40	54.00	10.60	100.0	H	9.0	9.4
3612.337500	48.43	---	74.00	25.57	100.0	H	9.0	9.4
4515.162500	---	48.37	54.00	5.63	100.0	H	264.0	11.6
4515.162500	53.20	---	74.00	20.80	100.0	H	264.0	11.6

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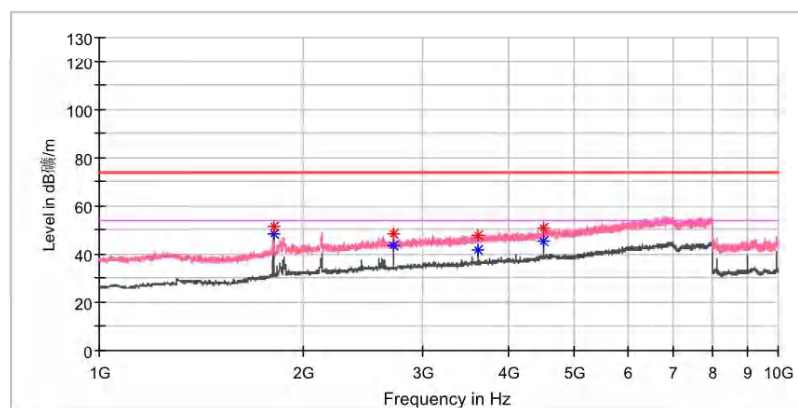
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: DTS 500K Low CH_903MHz
Test Voltage: Fully charged battery
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)
1805.850000	51.39	---	74.00	22.61	100.0	V	165.0	4.8
1805.850000	---	48.32	54.00	5.68	100.0	V	165.0	4.8
2708.675000	---	43.56	54.00	10.44	100.0	V	203.0	7.6
2708.675000	48.23	---	74.00	25.77	100.0	V	203.0	7.6
3611.500000	47.80	---	74.00	26.20	100.0	V	118.0	9.4
3612.337500	---	41.70	54.00	12.30	100.0	V	22.0	9.4
4513.487500	50.99	---	74.00	23.01	100.0	V	165.0	11.6
4514.325000	---	45.62	54.00	8.38	100.0	V	165.0	11.6

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4:51:56 PM

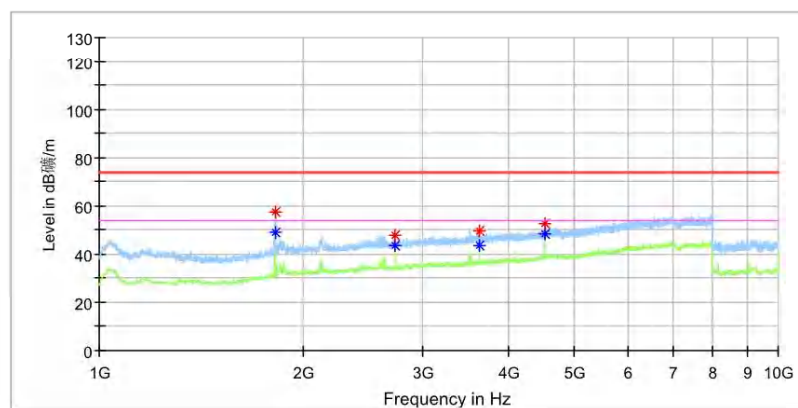
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: DTS 500K Mid CH_907.8MHz
Test Voltage: Fully charged battery
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)
1814.225000	---	49.06	54.00	4.94	100.0	H	168.0	4.8
1815.062500	57.41	---	74.00	16.59	100.0	H	168.0	4.8
2722.912500	---	43.32	54.00	10.68	100.0	H	74.0	7.7
2722.912500	47.89	---	74.00	26.11	100.0	H	74.0	7.7
3631.600000	---	43.25	54.00	10.75	100.0	H	111.0	9.4
3631.600000	49.71	---	74.00	24.29	100.0	H	111.0	9.4
4537.775000	52.37	---	74.00	21.63	100.0	H	234.0	11.8
4539.450000	---	48.42	54.00	5.58	100.0	H	243.0	11.8

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4:51:56 PM

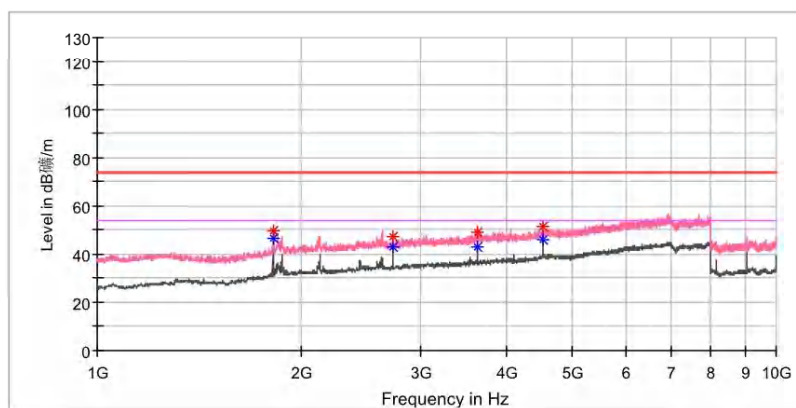
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: DTS 500K Mid CH_907.8MHz
Test Voltage: Fully charged battery
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)
1815.062500	---	46.47	54.00	7.53	100.0	V	64.0	4.8
1815.062500	49.28	---	74.00	24.72	100.0	V	64.0	4.8
2722.912500	---	43.02	54.00	10.98	100.0	V	206.0	7.7
2722.912500	47.36	---	74.00	26.64	100.0	V	206.0	7.7
3630.762500	---	42.64	54.00	11.36	100.0	V	45.0	9.4
3630.762500	49.20	---	74.00	24.80	100.0	V	45.0	9.4
4537.775000	51.39	---	74.00	22.61	100.0	V	168.0	11.8
4539.450000	---	46.03	54.00	7.97	100.0	V	149.0	11.8

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4:51:56 PM

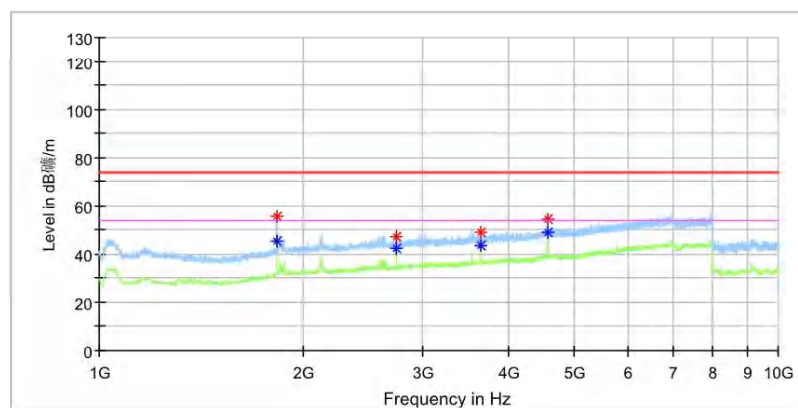
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: DTS 500K High CH_914.2MHz
Test Voltage: Fully charged battery
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)
1827.625000	55.67	---	74.00	18.33	100.0	H	161.0	4.9
1829.300000	---	45.21	54.00	8.79	100.0	H	198.0	4.9
2741.337500	47.03	---	74.00	26.97	100.0	H	95.0	7.8
2743.012500	---	42.20	54.00	11.80	100.0	H	208.0	7.8
3656.725000	---	43.42	54.00	10.58	100.0	H	227.0	9.4
3656.725000	49.24	---	74.00	24.76	100.0	H	227.0	9.4
4572.112500	---	49.16	54.00	4.84	100.0	H	264.0	12.0
4572.112500	54.43	---	74.00	19.57	100.0	H	264.0	12.0

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4:51:56 PM

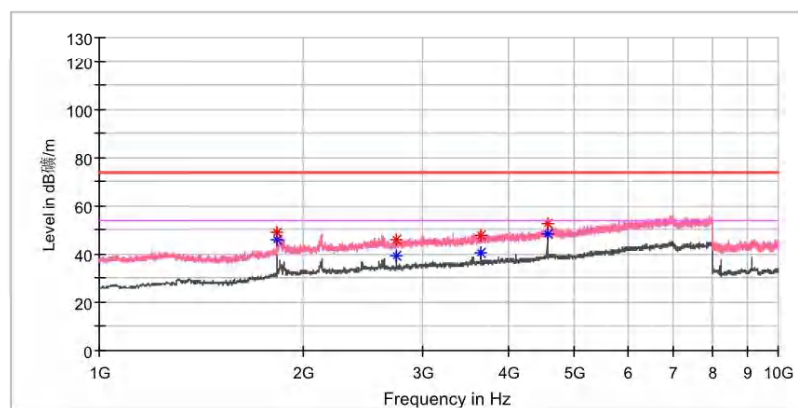
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: DTS 500K High CH_914.2MHz
Test Voltage: Fully charged battery
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)
1827.625000	---	46.21	54.00	7.79	100.0	V	170.0	4.9
1827.625000	49.08	---	74.00	24.92	100.0	V	170.0	4.9
2742.175000	---	39.03	54.00	14.97	100.0	V	179.0	7.8
2743.012500	45.76	---	74.00	28.24	100.0	V	208.0	7.8
3656.725000	---	40.60	54.00	13.40	100.0	V	57.0	9.4
3657.562500	47.74	---	74.00	26.26	100.0	V	179.0	9.4
4570.437500	---	48.21	54.00	5.79	100.0	V	151.0	12.0
4571.275000	52.50	---	74.00	21.50	100.0	V	151.0	12.0

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4:51:56 PM

DTSS#4 (Bandwidth: 500KHz)
30 MHz to 1GHz

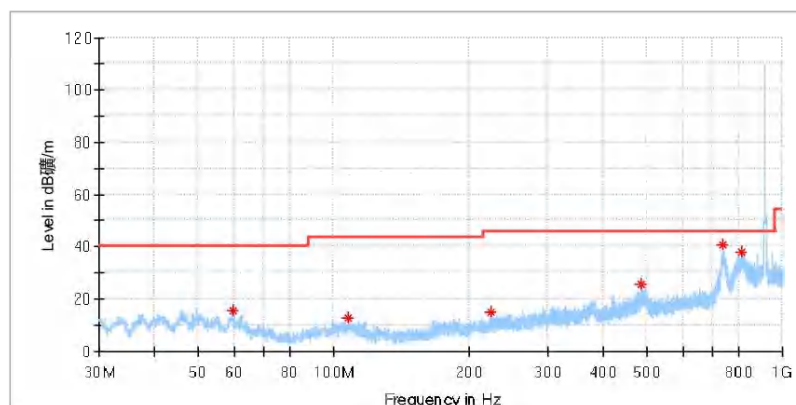
Test

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Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	DTS 500K Low CH_923.3MHz
Test Voltage::	Fully charged battery
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)
59.827500	15.77	---	40.00	24.23	100.0	H	272.0	-19.3
107.794000	12.88	---	43.50	30.62	100.0	H	321.0	-19.3
224.194000	15.24	---	46.00	30.76	100.0	H	111.0	-18.7
485.803000	25.75	---	46.00	20.25	100.0	H	305.0	-12.4
736.402500	40.73	---	46.00	5.27	100.0	H	346.0	-7.8
810.365000	37.74	---	46.00	8.26	100.0	H	338.0	-6.6

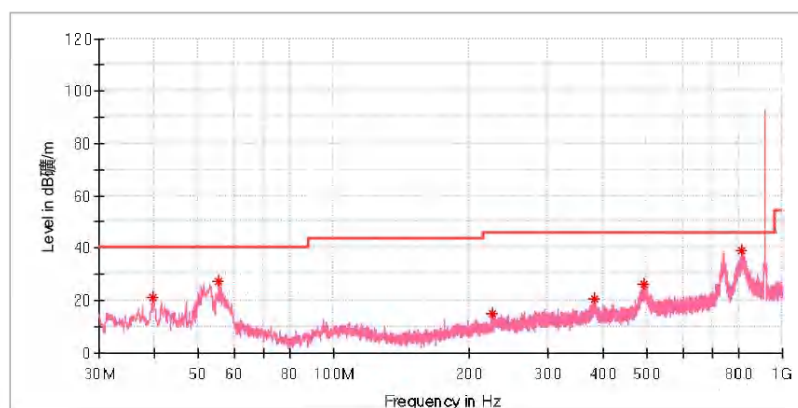
Test

2 / 4

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	DTS 500K Low CH_923.3MHz
Test Voltage:	Fully charged battery
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)
39.651500	21.47	---	40.00	18.53	100.0	V	225.0	-20.5
55.559500	27.09	---	40.00	12.91	100.0	V	266.0	-18.8
226.182500	14.86	---	46.00	31.14	100.0	V	61.0	-18.6
381.916000	20.43	---	46.00	25.57	100.0	V	127.0	-14.5
493.175000	26.00	---	46.00	20.00	100.0	V	305.0	-12.3
812.596000	39.09	---	46.00	6.91	100.0	V	225.0	-6.5

10/12/2019

6:02:39 PM

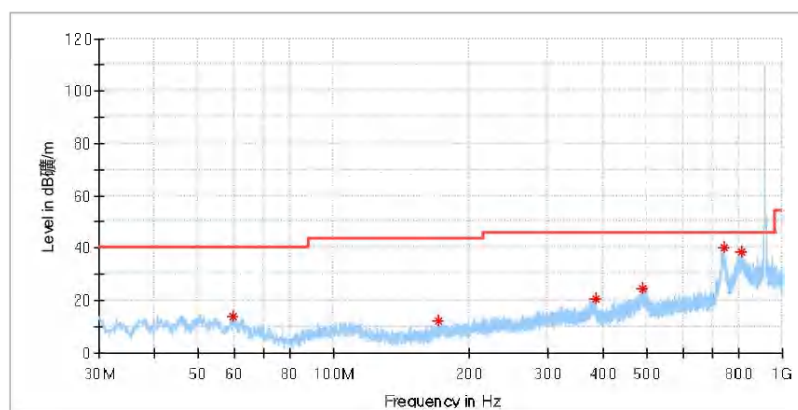
Test

3 / 4

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	DTS 500K High CH_926.9MHz
Test Voltage:	Fully charged battery
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)
59.585000	13.95	---	40.00	26.06	100.0	H	331.0	-19.2
171.717000	12.36	---	43.50	31.14	100.0	H	136.0	-21.5
383.856000	20.77	---	46.00	25.23	100.0	H	36.0	-14.5
487.403500	24.54	---	46.00	21.46	100.0	H	251.0	-12.4
740.670500	40.18	---	46.00	5.82	100.0	H	152.0	-7.7
812.644500	38.50	---	46.00	7.50	100.0	H	177.0	-6.5

10/12/2019

6:02:39 PM

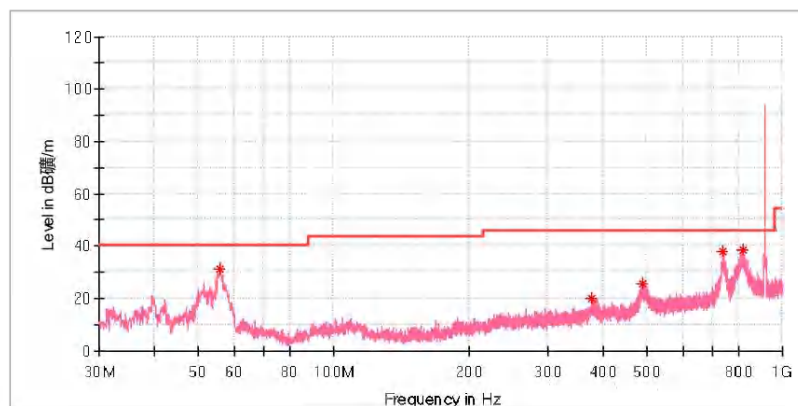
Test

4 / 4

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	DTS 500K High CH_926.9MHz
Test Voltage:	Fully charged battery
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)
55.753500	31.47	---	40.00	8.53	100.0	V	357.0	-18.8
375.126000	20.00	---	46.00	26.00	100.0	V	159.0	-14.7
488.034000	25.70	---	46.00	20.30	100.0	V	0.0	-12.4
736.742000	38.19	---	46.00	7.81	100.0	V	225.0	-7.8
818.270500	38.27	---	46.00	7.73	100.0	V	200.0	-6.4

10/12/2019

6:02:39 PM

1GHz to 18GHz

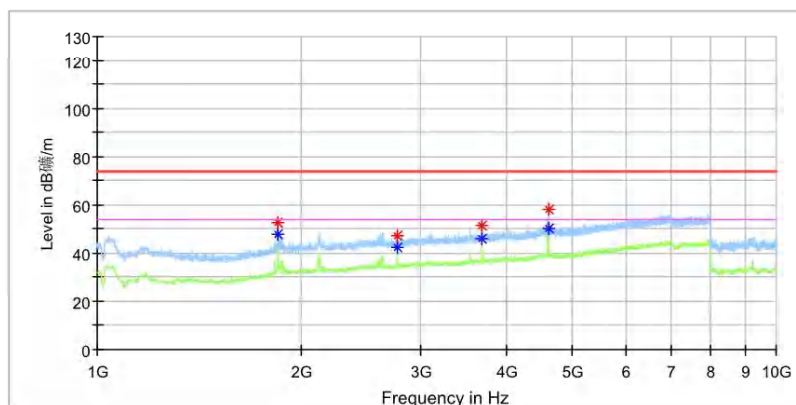
Test

1 / 6

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	DTS 500K Low CH_923.3MHz
Test Voltage::	Fully charged battery
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)
1846.050000	52.78	---	74.00	21.22	100.0	H	148.0	5.0
1846.887500	---	47.76	54.00	6.24	100.0	H	138.0	5.0
2769.812500	---	42.30	54.00	11.70	100.0	H	63.0	7.9
2770.650000	47.25	---	74.00	26.75	100.0	H	63.0	7.9
3692.737500	---	45.87	54.00	8.13	100.0	H	44.0	9.6
3692.737500	51.32	---	74.00	22.68	100.0	H	44.0	9.6
4617.337500	57.78	---	74.00	16.22	100.0	H	233.0	12.0
4618.175000	---	50.25	54.00	3.75	100.0	H	223.0	12.0

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6:32:09 PM

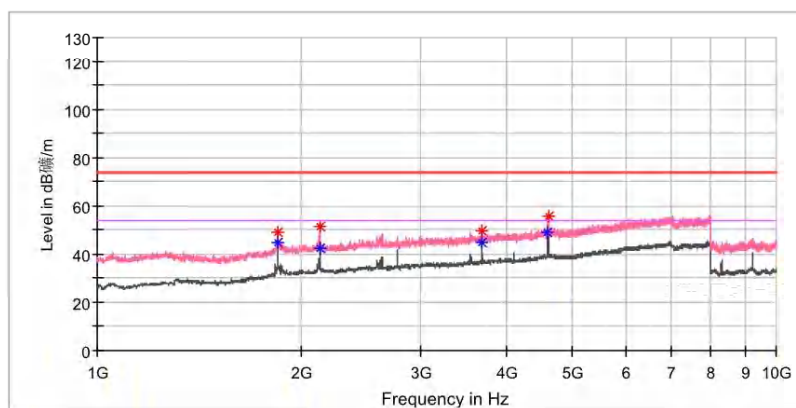
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: DTS 500K Low CH_923.3MHz
Test Voltage: Fully charged battery
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)
1846.050000	---	44.56	54.00	9.44	100.0	V	293.0	5.0
1846.050000	49.04	---	74.00	24.96	100.0	V	293.0	5.0
2132.475000	---	42.14	54.00	11.86	100.0	V	107.0	6.1
2133.312500	51.60	---	74.00	22.40	100.0	V	107.0	6.1
3693.575000	---	44.54	54.00	9.46	100.0	V	173.0	9.6
3693.575000	49.51	---	74.00	24.49	100.0	V	173.0	9.6
4614.825000	---	48.80	54.00	5.20	100.0	V	136.0	12.0
4615.662500	55.81	---	74.00	18.19	100.0	V	136.0	12.0

7/12/2019

6:32:09 PM

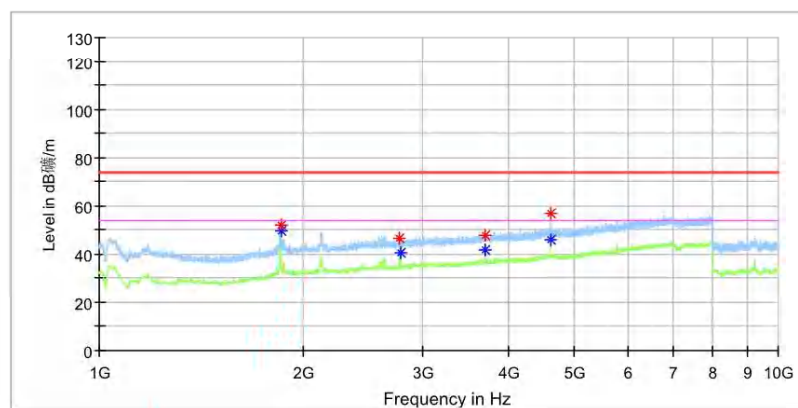
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: DTS 500K Mid CH_925.1MHz
Test Voltage: Fully charged battery
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)
1850.237500	---	49.55	54.00	4.45	100.0	H	154.0	5.0
1850.237500	52.22	---	74.00	21.78	100.0	H	154.0	5.0
2774.000000	46.81	---	74.00	27.19	100.0	H	88.0	7.9
2774.837500	---	40.32	54.00	13.68	100.0	H	41.0	7.9
3699.437500	---	41.78	54.00	12.22	100.0	H	60.0	9.6
3700.275000	47.60	---	74.00	26.40	100.0	H	51.0	9.6
4624.875000	56.86	---	74.00	17.14	100.0	H	239.0	12.0
4627.387500	---	46.06	54.00	7.94	100.0	H	117.0	12.0

7/12/2019

6:32:09 PM

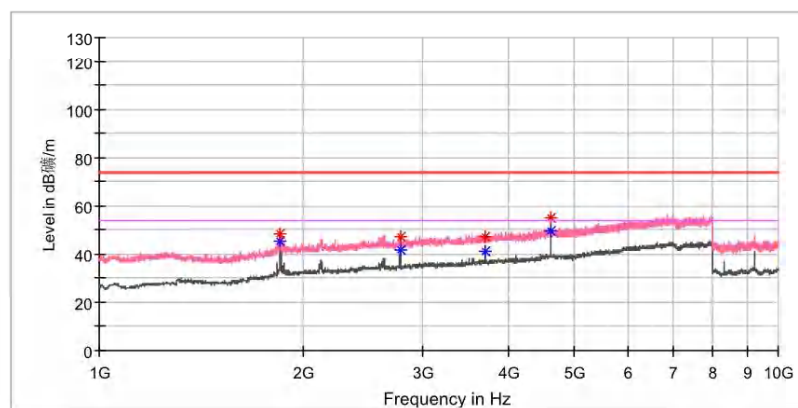
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: DTS 500K Mid CH_925.1MHz
Test Voltage: Fully charged battery
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)
1849.400000	---	45.61	54.00	8.39	100.0	V	297.0	5.0
1849.400000	48.24	---	74.00	25.76	100.0	V	297.0	5.0
2774.837500	---	41.93	54.00	12.07	100.0	V	325.0	7.9
2774.837500	47.02	---	74.00	26.98	100.0	V	325.0	7.9
3700.275000	47.09	---	74.00	26.91	100.0	V	175.0	9.6
3700.275000	---	41.09	54.00	12.91	100.0	V	175.0	9.6
4624.875000	55.01	---	74.00	18.99	100.0	V	156.0	12.0
4626.550000	---	49.35	54.00	4.65	100.0	V	325.0	12.0

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6:32:09 PM

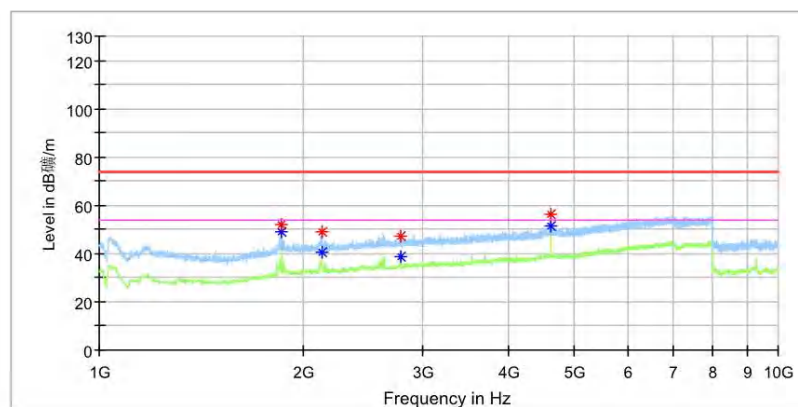
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: DTS 500K High CH_926.9MHz
Test Voltage:: Fully charged battery
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)
1853.587500	---	49.18	54.00	4.82	100.0	H	143.0	5.0
1853.587500	51.91	---	74.00	22.09	100.0	H	143.0	5.0
2133.312500	48.70	---	74.00	25.30	100.0	H	253.0	6.1
2133.312500	---	40.51	54.00	13.49	100.0	H	253.0	6.1
2780.700000	---	38.93	54.00	15.07	100.0	H	20.0	7.9
2780.700000	47.28	---	74.00	26.72	100.0	H	20.0	7.9
4633.250000	---	50.71	54.00	3.29	100.0	H	243.0	12.0
4633.250000	56.38	---	74.00	17.62	100.0	H	243.0	12.0

7/12/2019

6:32:09 PM

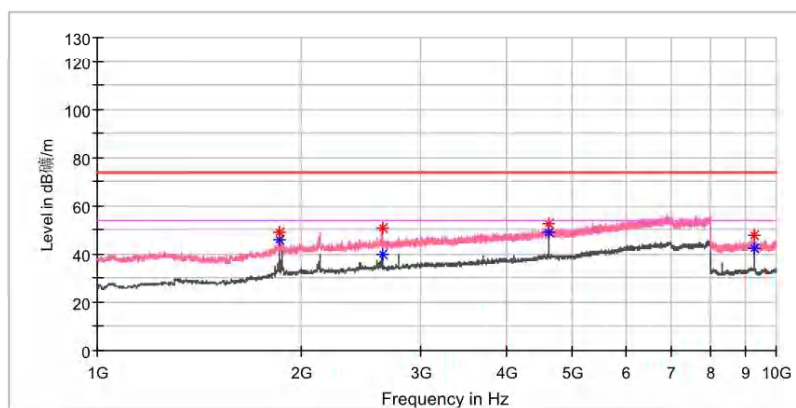
Test

6 / 6

Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: DTS 500K High CH_926.9MHz
Test Voltage: Fully charged battery
Remark: Temp 23 Humi:42%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



h

Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1853.587500	---	45.97	54.00	8.03	100.0	V	283.0	5.0
1853.587500	49.10	---	74.00	24.90	100.0	V	283.0	5.0
2627.437500	---	39.65	54.00	14.35	100.0	V	330.0	7.5
2627.437500	50.74	---	74.00	23.26	100.0	V	330.0	7.5
4633.250000	52.77	---	74.00	21.23	100.0	V	302.0	12.0
4634.087500	---	48.73	54.00	5.27	100.0	V	302.0	12.0
9270.000000	---	42.27	54.00	11.73	100.0	V	217.0	10.2
9270.000000	47.73	---	74.00	26.27	100.0	V	217.0	10.2

7/12/2019

6:32:09 PM

FHSS#1 (Bandwidth: 250KHz)
30 MHz to 1GHz

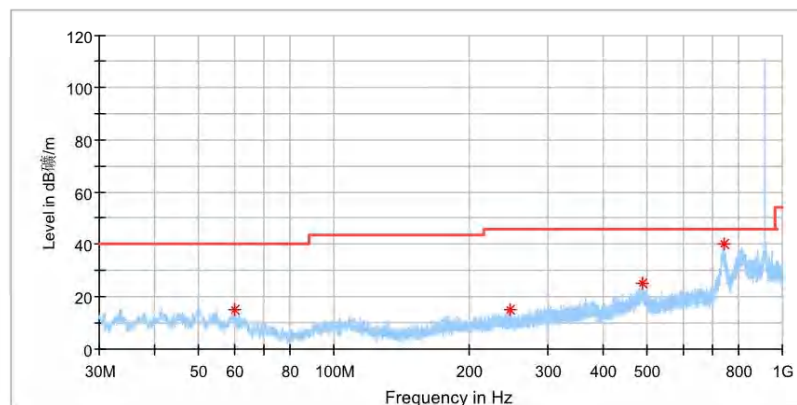
Test

1 / 4

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	FHSS 250K Low CH_902.3MHz
Test Voltage::	Fully charged battery
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)
60.118500	15.20	---	40.00	24.80	100.0	H	359.0	-19.3
246.407000	14.99	---	46.00	31.01	100.0	H	61.0	-17.8
488.082500	25.36	---	46.00	20.64	100.0	H	271.0	-12.4
741.252500	40.08	---	46.00	5.92	100.0	H	359.0	-7.7

10/12/2019

11:20:03 AM

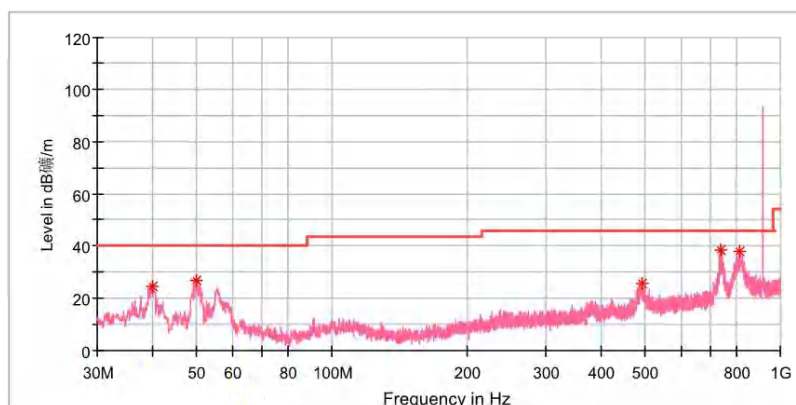
Test

2 / 4

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	FHSS 250K Low CH_902.3MHz
Test Voltage:	Fully charged battery
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)
39.748500	24.47	---	40.00	15.53	100.0	V	283.0	-20.5
49.982000	26.58	---	40.00	13.42	100.0	V	31.0	-18.6
489.974000	25.81	---	46.00	20.19	100.0	V	0.0	-12.4
737.421000	38.35	---	46.00	7.65	100.0	V	283.0	-7.8
813.760000	37.70	---	46.00	8.30	100.0	V	160.0	-6.5

10/12/2019

11:20:03 AM

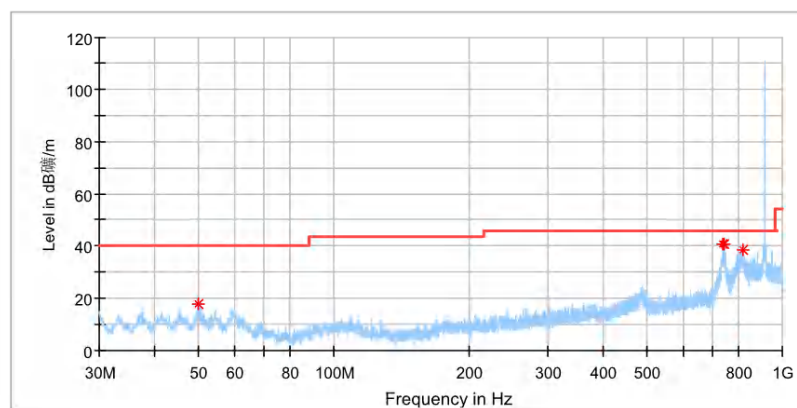
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: FHSS 250K High CH_926.7MHz
Test Voltage:: Fully charged battery
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)
50.030500	17.67	---	40.00	22.33	100.0	H	11.0	-18.6
736.936000	40.78	---	46.00	5.22	100.0	H	176.0	-7.8
739.603500	40.62	---	46.00	5.38	100.0	H	159.0	-7.8
816.330500	38.39	---	46.00	7.61	100.0	H	159.0	-6.4

10/12/2019

11:20:03 AM

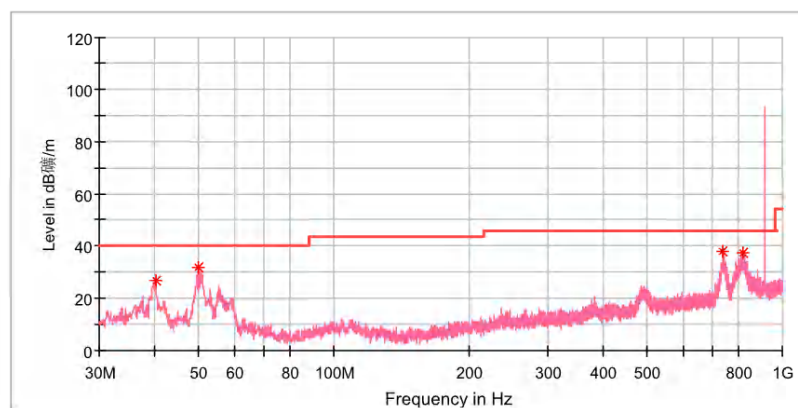
Test

4 / 4

Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: FHSS 250K High CH_926.7MHz
Test Voltage:: Fully charged battery
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)
40.088000	26.79	---	40.00	13.21	100.0	V	89.0	-20.4
50.030500	31.97	---	40.00	8.03	100.0	V	48.0	-18.6
737.857500	38.15	---	46.00	7.85	100.0	V	234.0	-7.8
815.215000	37.35	---	46.00	8.65	100.0	V	168.0	-6.5

10/12/2019

11:20:03 AM

1GHz to 18GHz

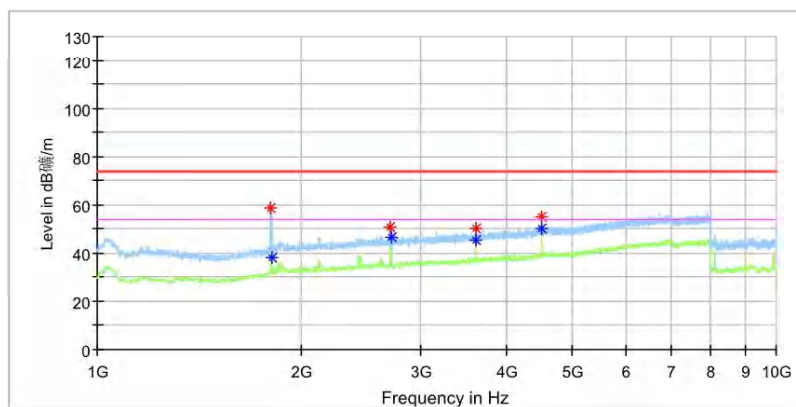
Test

1 / 6

Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: FHSS 250K Low CH_902.3MHz
Test Voltage:: Fully charged battery
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)
1804.175000	58.73	---	74.00	15.27	100.0	H	178.0	4.7
1805.850000	---	38.07	54.00	15.93	100.0	H	169.0	4.8
2706.162500	51.03	---	74.00	22.97	100.0	H	84.0	7.5
2707.000000	---	46.68	54.00	7.32	100.0	H	84.0	7.6
3608.987500	---	45.15	54.00	8.85	100.0	H	17.0	9.4
3608.987500	50.45	---	74.00	23.55	100.0	H	17.0	9.4
4510.975000	---	50.38	54.00	3.62	100.0	H	263.0	11.6
4510.975000	54.74	---	74.00	19.26	100.0	H	263.0	11.6

9/12/2019

9:16:25 AM

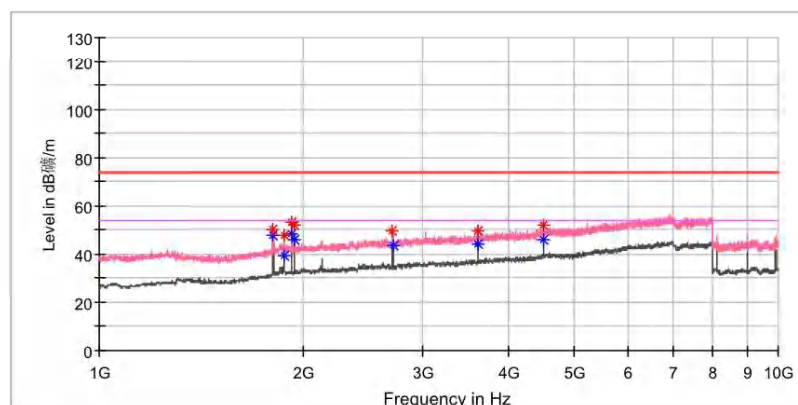
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: FHSS 250K Low CH_902.3MHz
Test Voltage:: Fully charged battery
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)
1804.175000	50.07	---	74.00	23.93	100.0	V	158.0	4.7
1804.175000	---	47.88	54.00	6.12	100.0	V	158.0	4.7
1869.500000	---	39.52	54.00	14.48	100.0	V	300.0	5.2
1869.500000	47.74	---	74.00	26.26	100.0	V	300.0	5.2
1920.587500	---	48.14	54.00	5.86	100.0	V	281.0	5.6
1920.587500	53.42	---	74.00	20.58	100.0	V	281.0	5.6
1938.175000	---	45.87	54.00	8.13	100.0	V	234.0	5.6
1938.175000	52.06	---	74.00	21.94	100.0	V	234.0	5.6
2706.162500	49.33	---	74.00	24.67	100.0	V	58.0	7.5
2707.000000	---	43.73	54.00	10.27	100.0	V	215.0	7.6
3608.987500	---	43.89	54.00	10.11	100.0	V	11.0	9.4
3609.825000	49.38	---	74.00	24.62	100.0	V	1.0	9.4
4511.812500	---	45.83	54.00	8.17	100.0	V	158.0	11.6
4511.812500	51.81	---	74.00	22.19	100.0	V	158.0	11.6

9/12/2019

9:16:25 AM

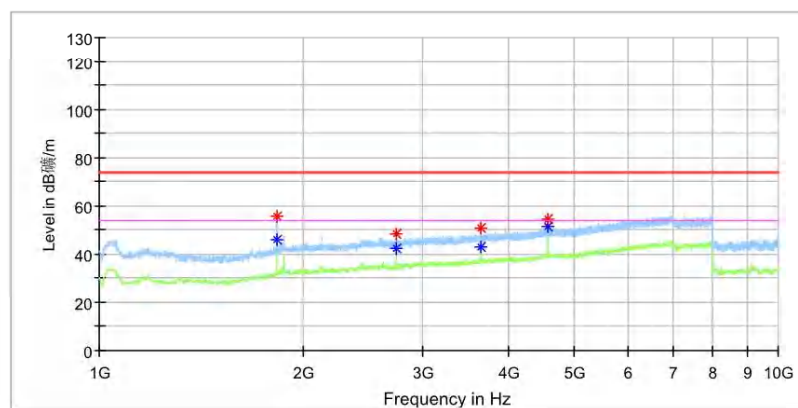
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: FHSS 250K Mid CH_914.3MHz
Test Voltage: Fully charged battery
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)
1828.462500	55.51	---	74.00	18.49	100.0	H	179.0	4.9
1829.300000	---	45.81	54.00	8.19	100.0	H	227.0	4.9
2742.175000	---	42.06	54.00	11.94	100.0	H	104.0	7.8
2743.012500	48.27	---	74.00	25.73	100.0	H	95.0	7.8
3656.725000	51.08	---	74.00	22.92	100.0	H	76.0	9.4
3656.725000	---	42.70	54.00	11.30	100.0	H	76.0	9.4
4572.112500	54.31	---	74.00	19.69	100.0	H	283.0	12.0
4572.112500	---	50.58	54.00	3.42	100.0	H	283.0	12.0

9/12/2019

9:16:25 AM

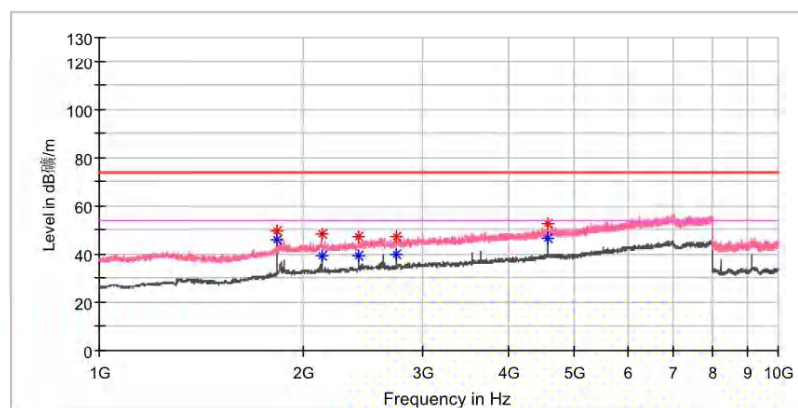
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: FHSS 250K Mid CH_914.3MHz
Test Voltage: Fully charged battery
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)
1828.462500	---	45.75	54.00	8.25	100.0	V	88.0	4.9
1828.462500	49.86	---	74.00	24.14	100.0	V	88.0	4.9
2130.800000	---	39.39	54.00	14.61	100.0	V	211.0	6.1
2131.637500	48.58	---	74.00	25.42	100.0	V	0.0	6.1
2410.525000	47.16	---	74.00	26.84	100.0	V	352.0	7.1
2413.037500	---	39.18	54.00	14.82	100.0	V	352.0	7.1
2743.012500	47.44	---	74.00	26.56	100.0	V	220.0	7.8
2743.012500	---	40.12	54.00	13.88	100.0	V	220.0	7.8
4571.275000	---	46.55	54.00	7.45	100.0	V	296.0	12.0
4572.112500	52.41	---	74.00	21.59	100.0	V	324.0	12.0

9/12/2019

9:16:25 AM

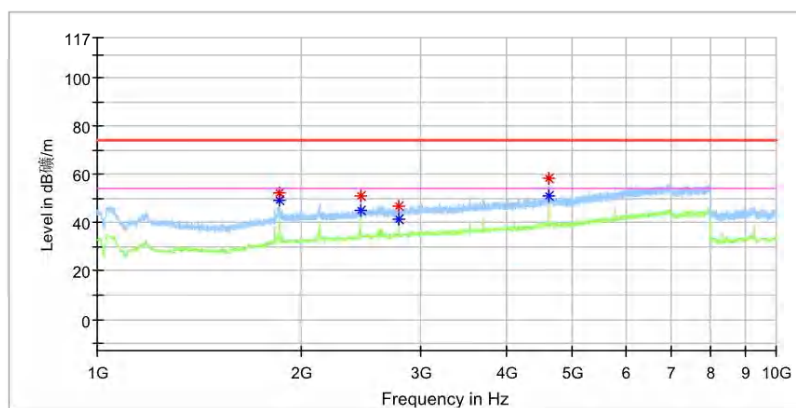
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: FHSS 250K High CH_926.7MHz
Test Voltage:: Fully charged battery
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)
1852.750000	52.51	---	74.00	21.49	100.0	H	177.0	5.0
1852.750000	---	49.17	54.00	4.83	100.0	H	177.0	5.0
2444.862500	---	45.07	54.00	8.93	100.0	H	338.0	7.4
2444.862500	50.91	---	74.00	23.09	100.0	H	338.0	7.4
2779.862500	47.07	---	74.00	26.93	100.0	H	74.0	7.9
2779.862500	---	41.49	54.00	12.51	100.0	H	74.0	7.9
4633.250000	58.62	---	74.00	15.38	100.0	H	262.0	12.0
4634.087500	---	50.36	54.00	3.04	100.0	H	253.0	12.0

9/12/2019

9:16:25 AM

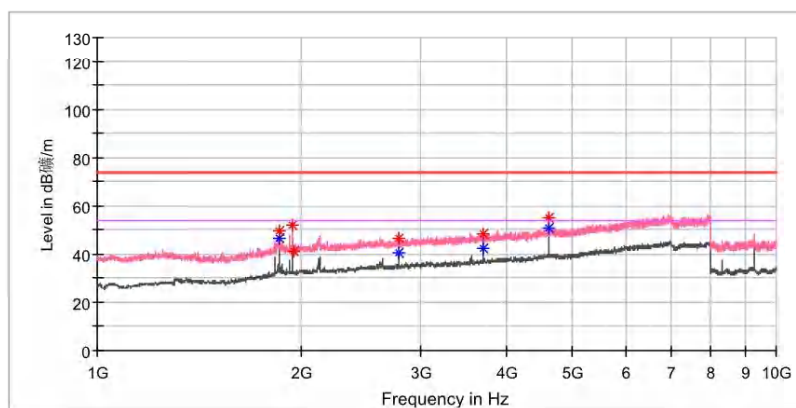
Test

6 / 6

Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: FHSS 250K High CH_926.7MHz
Test Voltage:: Fully charged battery
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)
1852.750000	49.35	---	74.00	24.65	100.0	V	315.0	5.0
1852.750000	---	46.29	54.00	7.71	100.0	V	315.0	5.0
1938.175000	52.21	---	74.00	21.79	100.0	V	357.0	5.6
1944.037500	40.97	---	74.00	33.03	100.0	V	136.0	5.6
2779.862500	---	40.58	54.00	13.42	100.0	V	352.0	7.9
2779.862500	46.64	---	74.00	27.36	100.0	V	352.0	7.9
3706.975000	---	42.13	54.00	11.87	100.0	V	202.0	9.6
3707.812500	48.66	---	74.00	25.34	100.0	V	202.0	9.6
4633.250000	---	50.89	54.00	3.11	100.0	V	192.0	12.0
4633.250000	54.80	---	74.00	19.20	100.0	V	192.0	12.0

9/12/2019

9:16:25 AM

FHSS#2 (Bandwidth: 125KHz)
30 MHz to 1GHz

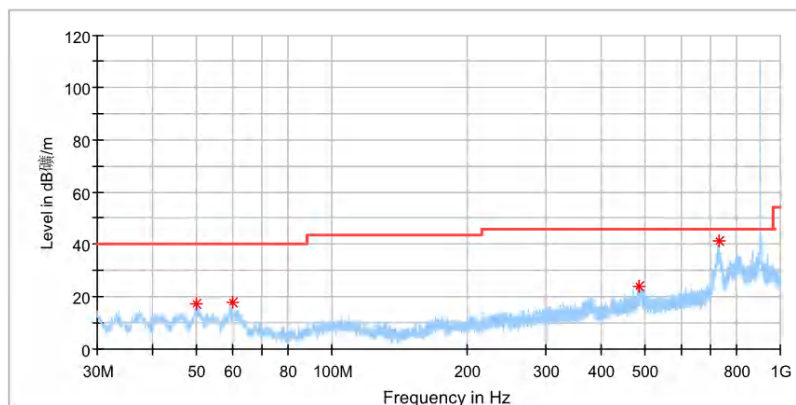
Test

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Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	FHSS 125K Low CH_902.3MHz
Test Voltage::	Fully charged battery
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)
50.030500	17.32	---	40.00	22.68	100.0	H	338.0	-18.6
60.118500	18.00	---	40.00	22.00	100.0	H	182.0	-19.3
484.057000	23.81	---	46.00	22.19	100.0	H	288.0	-12.5
728.885000	41.43	---	46.00	4.57	100.0	H	198.0	-7.9

10/12/2019

10:49:43 AM

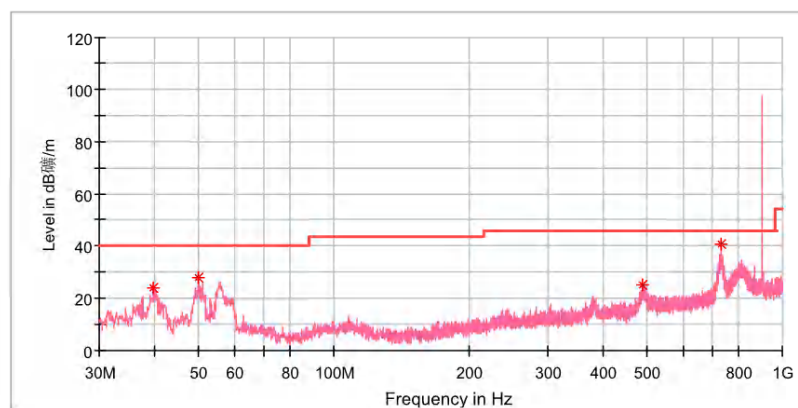
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: FHSS 125K Low CH_902.3MHz
Test Voltage: Fully charged battery
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)
39.700000	23.91	---	40.00	16.09	100.0	V	55.0	-20.5
49.982000	27.89	---	40.00	12.11	100.0	V	7.0	-18.6
487.403500	25.24	---	46.00	20.76	100.0	V	277.0	-12.4
728.788000	41.00	---	46.00	5.00	100.0	V	268.0	-7.9

10/12/2019

10:49:43 AM

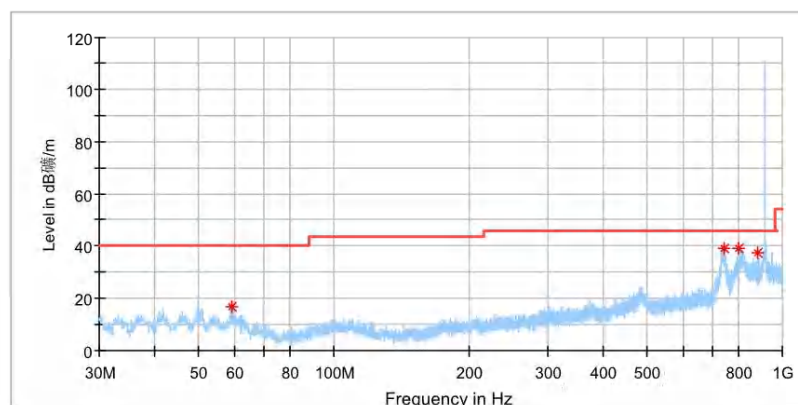
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: FHSS 125K High CH_914.9MHz
Test Voltage:: Fully charged battery
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)
59.294000	16.74	---	40.00	23.26	100.0	H	27.0	-19.2
739.361000	39.24	---	46.00	6.76	100.0	H	183.0	-7.8
800.471000	38.95	---	46.00	7.05	100.0	H	166.0	-6.8
882.969500	37.63	---	46.00	8.37	100.0	H	133.0	-5.5

10/12/2019

10:49:43 AM

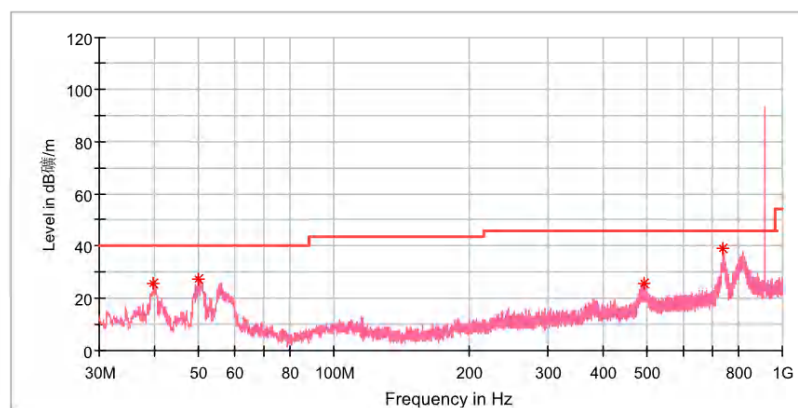
Test

4 / 4

Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: FHSS 125K High CH_914.9MHz
Test Voltage: Fully charged battery
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)
39.603000	25.46	---	40.00	14.54	100.0	V	281.0	-20.5
49.933500	27.45	---	40.00	12.55	100.0	V	322.0	-18.6
489.828500	25.41	---	46.00	20.59	100.0	V	340.0	-12.4
736.790500	39.17	---	46.00	6.83	100.0	V	290.0	-7.8

10/12/2019

10:49:43 AM

1GHz to 18GHz

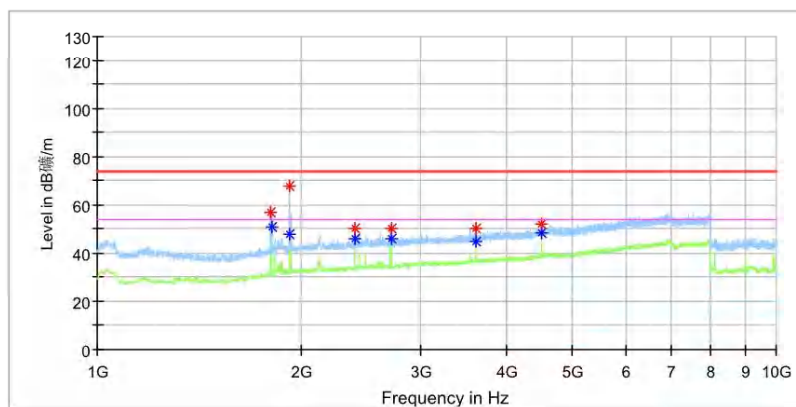
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: FHSS 125K Low CH_902.3MHz
Test Voltage: Fully charged battery
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)
1804.175000	56.76	---	74.00	17.24	100.0	H	181.0	4.7
1805.012500	---	50.61	54.00	3.39	100.0	H	181.0	4.8
1922.262500	67.93	---	74.00	6.07	100.0	H	58.0	5.6
1923.100000	---	48.07	54.00	5.93	100.0	H	58.0	5.6
2401.312500	---	46.07	54.00	7.93	100.0	H	281.0	7.0
2401.312500	50.47	---	74.00	23.53	100.0	H	281.0	7.0
2707.000000	---	45.96	54.00	8.04	100.0	H	86.0	7.6
2707.000000	50.30	---	74.00	23.70	100.0	H	86.0	7.6
3608.987500	---	44.90	54.00	9.10	100.0	H	30.0	9.4
3608.987500	49.99	---	74.00	24.01	100.0	H	30.0	9.4
4510.975000	52.09	---	74.00	21.91	100.0	H	115.0	11.6
4511.812500	---	48.60	54.00	5.40	100.0	H	272.0	11.6

9/12/2019

10:54:16 AM

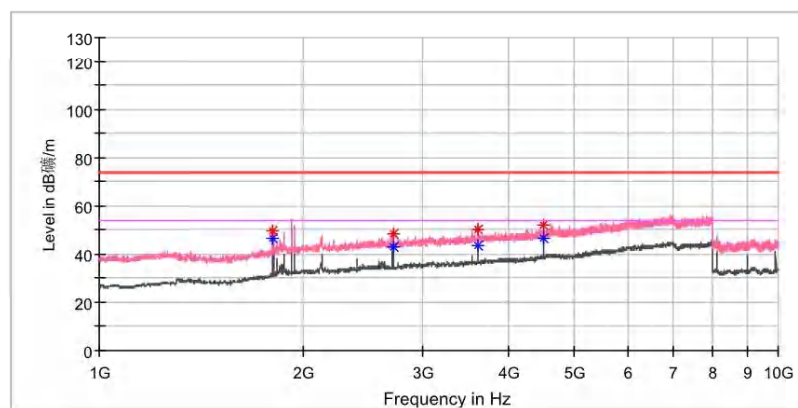
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: FHSS 125K Low CH_902.3MHz
Test Voltage:: Fully charged battery
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)
1804.175000	---	46.46	54.00	7.54	100.0	V	93.0	4.7
1804.175000	49.51	---	74.00	24.49	100.0	V	93.0	4.7
2707.000000	---	42.69	54.00	11.31	100.0	V	235.0	7.6
2707.000000	48.52	---	74.00	25.48	100.0	V	235.0	7.6
3608.987500	---	43.66	54.00	10.34	100.0	V	56.0	9.4
3608.987500	50.06	---	74.00	23.94	100.0	V	56.0	9.4
4511.812500	---	46.54	54.00	7.46	100.0	V	282.0	11.6
4511.812500	51.90	---	74.00	22.10	100.0	V	282.0	11.6

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10:54:16 AM

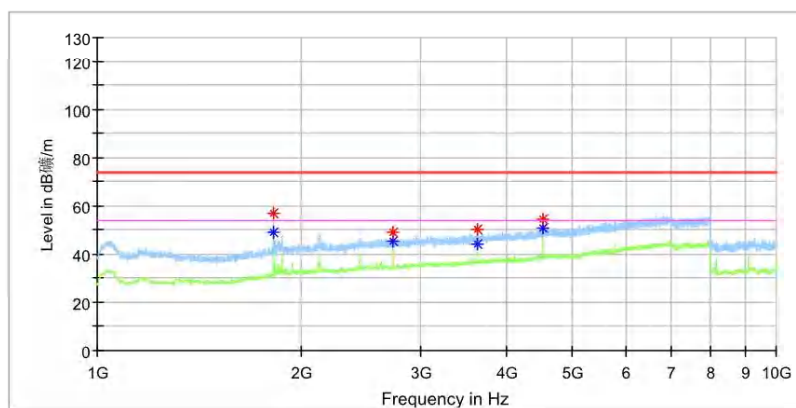
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: FHSS 125K Mid CH_908.5MHz
Test Voltage: Fully charged battery
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)
1816.737500	57.10	---	74.00	16.90	100.0	H	187.0	4.8
1817.575000	---	48.89	54.00	5.11	100.0	H	187.0	4.8
2725.425000	---	45.07	54.00	8.93	100.0	H	92.0	7.7
2725.425000	49.19	---	74.00	24.81	100.0	H	92.0	7.7
3633.275000	---	43.87	54.00	10.13	100.0	H	111.0	9.4
3633.275000	49.97	---	74.00	24.03	100.0	H	111.0	9.4
4542.800000	54.55	---	74.00	19.45	100.0	H	272.0	11.9
4542.800000	---	50.83	54.00	3.17	100.0	H	272.0	11.9

9/12/2019

10:54:16 AM

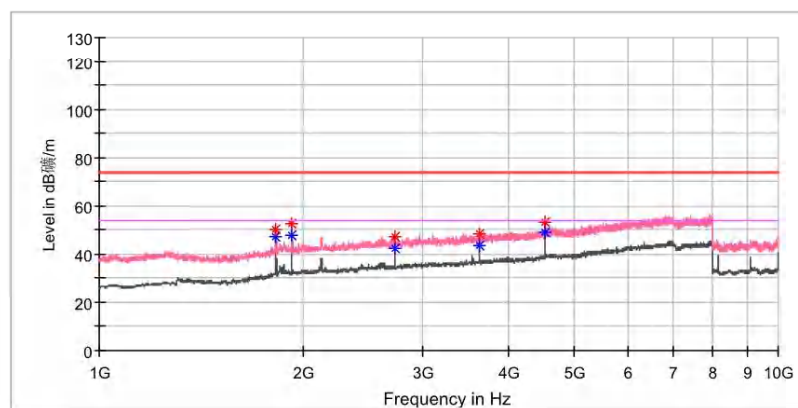
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: FHSS 125K Mid CH_908.5MHz
Test Voltage: Fully charged battery
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)
1815.900000	50.33	---	74.00	23.67	100.0	V	88.0	4.8
1816.737500	---	47.34	54.00	6.66	100.0	V	88.0	4.8
1920.587500	---	48.02	54.00	5.98	100.0	V	4.0	5.6
1921.425000	52.71	---	74.00	21.29	100.0	V	4.0	5.6
2725.425000	47.28	---	74.00	26.72	100.0	V	230.0	7.7
2725.425000	---	42.60	54.00	11.40	100.0	V	230.0	7.7
3634.112500	---	43.30	54.00	10.70	100.0	V	51.0	9.4
3634.112500	48.44	---	74.00	25.56	100.0	V	51.0	9.4
4542.800000	53.35	---	74.00	20.65	100.0	V	183.0	11.9
4542.800000	---	48.73	54.00	5.27	100.0	V	183.0	11.9

9/12/2019

10:54:16 AM

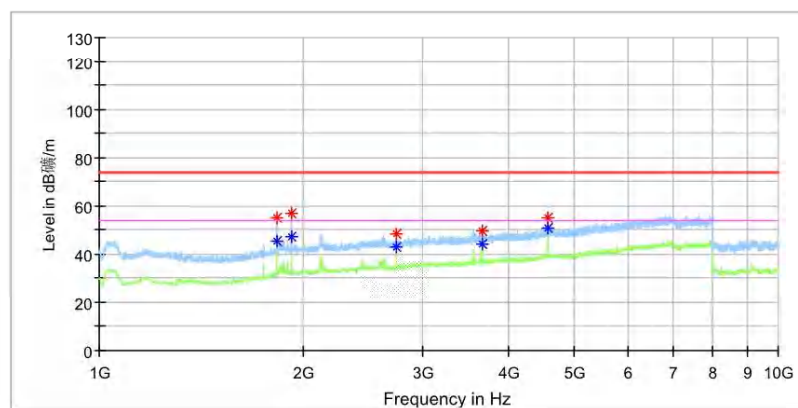
Test

5 / 6

Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: FHSS 125K High CH_914.9MHz
Test Voltage: Fully charged battery
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)
1828.462500	---	45.27	54.00	8.73	100.0	H	177.0	4.9
1829.300000	55.28	---	74.00	18.72	100.0	H	196.0	4.9
1920.587500	56.76	---	74.00	17.24	100.0	H	348.0	5.6
1921.425000	---	47.29	54.00	6.71	100.0	H	348.0	5.6
2744.687500	48.15	---	74.00	25.85	100.0	H	102.0	7.8
2744.687500	---	43.14	54.00	10.86	100.0	H	102.0	7.8
3659.237500	---	43.97	54.00	10.03	100.0	H	55.0	9.4
3659.237500	49.79	---	74.00	24.21	100.0	H	55.0	9.4
4574.625000	---	50.91	54.00	3.09	100.0	H	262.0	12.0
4574.625000	55.09	---	74.00	18.91	100.0	H	262.0	12.0

9/12/2019

10:54:16 AM

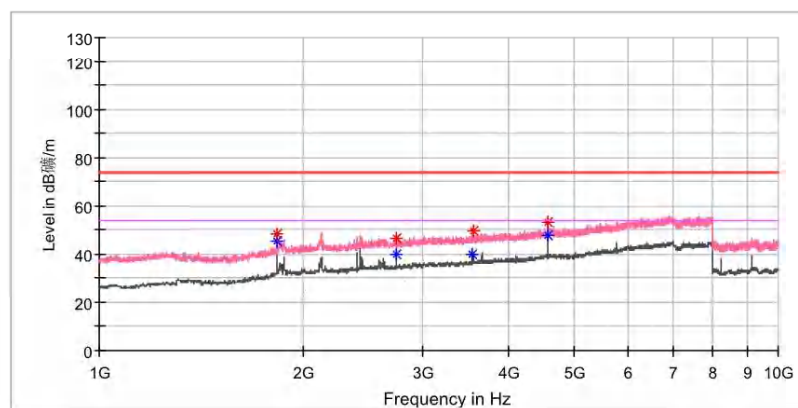
Test

6 / 6

Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: FHSS 125K High CH_914.9MHz
Test Voltage:: Fully charged battery
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)
1829.300000	---	45.53	54.00	8.47	100.0	V	192.0	4.9
1829.300000	48.30	---	74.00	25.70	100.0	V	192.0	4.9
2744.687500	---	39.89	54.00	14.11	100.0	V	343.0	7.8
2744.687500	46.64	---	74.00	27.36	100.0	V	343.0	7.8
3550.362500	---	39.61	54.00	14.39	100.0	V	357.0	9.2
3552.875000	49.43	---	74.00	24.57	100.0	V	324.0	9.2
4574.625000	---	47.70	54.00	6.30	100.0	V	183.0	12.0
4574.625000	53.44	---	74.00	20.56	100.0	V	183.0	12.0

9/12/2019

10:54:16 AM

FHSS#3 (DataRate: 150Kbps)
30 MHz to 1GHz

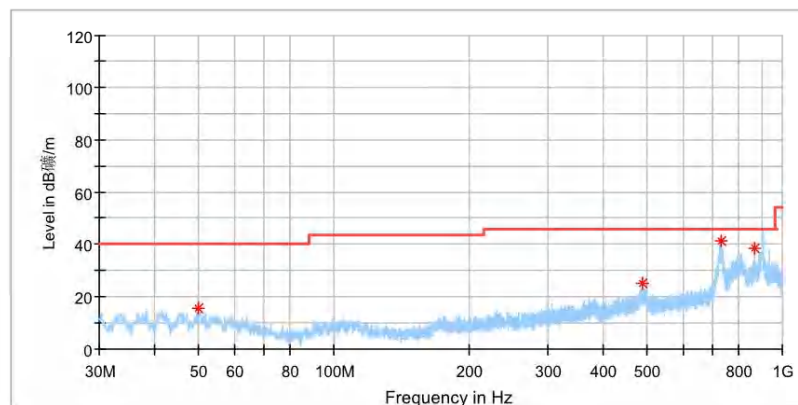
Test

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Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	FHSS 150K Low CH_902.4MHz
Test Voltage::	Fully charged battery
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)
49.933500	15.86	---	40.00	24.14	100.0	H	143.0	-18.6
487.064000	24.96	---	46.00	21.04	100.0	H	94.0	-12.4
729.176000	41.18	---	46.00	4.82	100.0	H	167.0	-7.9
870.359500	38.38	---	46.00	7.62	100.0	H	135.0	-5.7

10/12/2019

10:25:09 AM

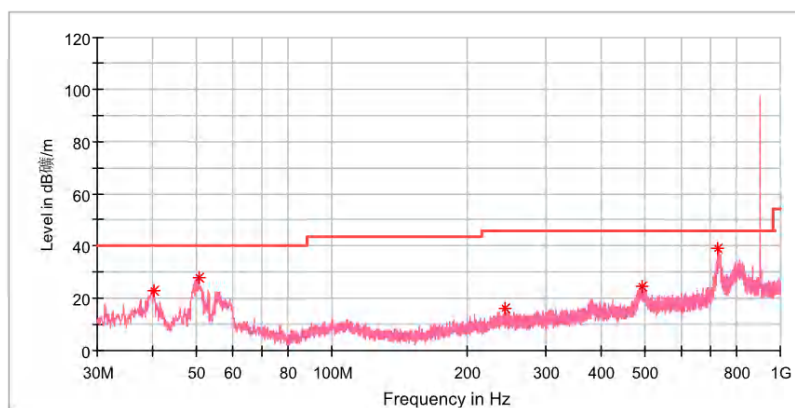
Test

2 / 4

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	FHSS 150K Low CH_902.4MHz
Test Voltage:	Fully charged battery
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)
40.233500	22.86	---	40.00	17.14	100.0	V	47.0	-20.3
50.612500	28.15	---	40.00	11.85	100.0	V	72.0	-18.6
243.982000	16.09	---	46.00	29.91	100.0	V	211.0	-17.9
490.895500	24.79	---	46.00	21.21	100.0	V	31.0	-12.4
726.848000	39.18	---	46.00	6.82	100.0	V	227.0	-8.0

10/12/2019

10:25:09 AM

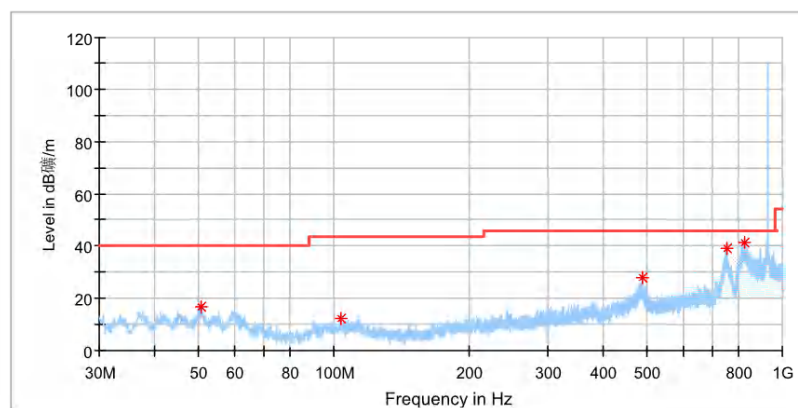
Test

3 / 4

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	FHSS 150K High CH_927.6MHz
Test Voltage::	Fully charged battery
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)
50.467000	16.62	---	40.00	23.38	100.0	H	321.0	-18.6
103.962500	12.48	---	43.50	31.02	100.0	H	77.0	-19.1
486.142500	27.94	---	46.00	18.06	100.0	H	118.0	-12.4
750.613000	39.13	---	46.00	6.87	100.0	H	184.0	-7.6
826.176000	41.45	---	46.00	4.55	100.0	H	151.0	-6.2

10/12/2019

10:25:09 AM

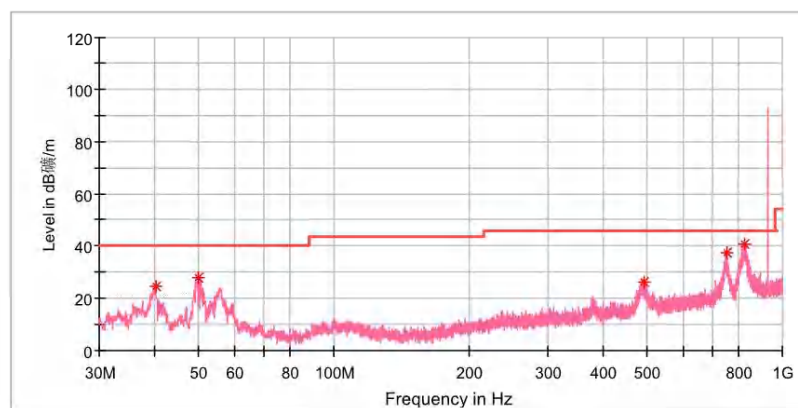
Test

4 / 4

Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: FHSS 150K High CH_927.6MHz
Test Voltage:: Fully charged battery
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)
40.136500	24.43	---	40.00	15.57	100.0	V	127.0	-20.4
49.982000	27.69	---	40.00	12.31	100.0	V	193.0	-18.6
490.507500	26.27	---	46.00	19.73	100.0	V	61.0	-12.4
750.322000	37.55	---	46.00	8.45	100.0	V	266.0	-7.6
825.448500	40.75	---	46.00	5.25	100.0	V	168.0	-6.3

10/12/2019

10:25:09 AM

1GHz to 18GHz

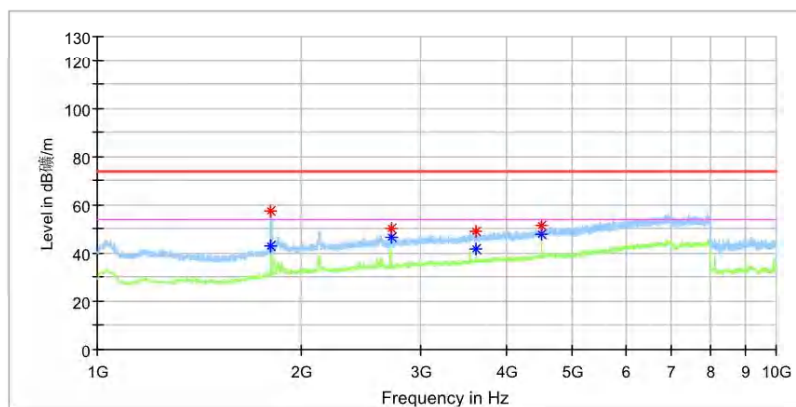
Test

1 / 6

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	FHSS 150K Low CH_902.4MHz
Test Voltage::	Fully charged battery
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)
1803.337500	---	43.12	54.00	10.88	100.0	H	187.0	4.7
1804.175000	57.35	---	74.00	16.65	100.0	H	187.0	4.7
2707.000000	---	46.52	54.00	7.48	100.0	H	92.0	7.6
2707.000000	50.41	---	74.00	23.59	100.0	H	92.0	7.6
3608.987500	49.19	---	74.00	24.81	100.0	H	45.0	9.4
3609.825000	---	41.88	54.00	12.12	100.0	H	36.0	9.4
4511.812500	---	47.96	54.00	6.04	100.0	H	281.0	11.6
4511.812500	51.64	---	74.00	22.36	100.0	H	281.0	11.6

9/12/2019

12:14:46 PM

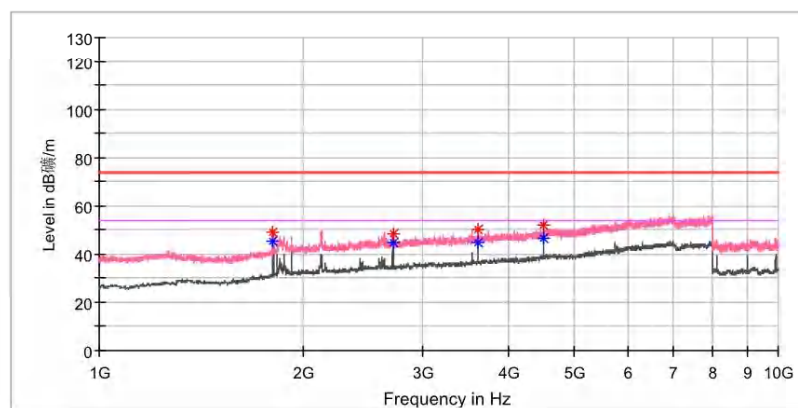
Test

2 / 6

Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: FHSS 150K Low CH_902.4MHz
Test Voltage: Fully charged battery
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)
1804.175000	---	45.31	54.00	8.69	100.0	V	192.0	4.7
1804.175000	48.98	---	74.00	25.02	100.0	V	192.0	4.7
2707.000000	---	44.53	54.00	9.47	100.0	V	258.0	7.6
2707.000000	48.53	---	74.00	25.47	100.0	V	258.0	7.6
3609.825000	---	45.02	54.00	8.98	100.0	V	286.0	9.4
3609.825000	50.36	---	74.00	23.64	100.0	V	286.0	9.4
4511.812500	---	46.33	54.00	7.67	100.0	V	258.0	11.6
4511.812500	51.79	---	74.00	22.21	100.0	V	258.0	11.6

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12:14:46 PM

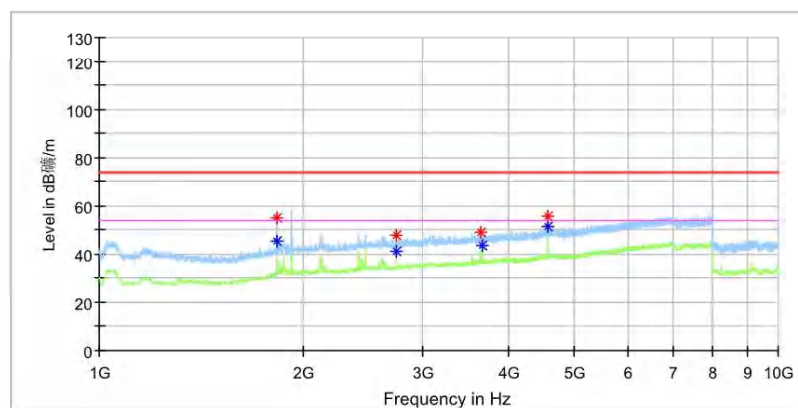
Test

3 / 6

Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: FHSS 150K Mid CH_914.8MHz
Test Voltage: Fully charged battery
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)
1829.300000	54.91	---	74.00	19.09	100.0	H	177.0	4.9
1830.137500	---	45.41	54.00	8.59	100.0	H	187.0	4.9
2743.850000	---	41.08	54.00	12.92	100.0	H	83.0	7.8
2743.850000	47.47	---	74.00	26.53	100.0	H	83.0	7.8
3658.400000	49.28	---	74.00	24.72	100.0	H	64.0	9.4
3659.237500	---	43.50	54.00	10.50	100.0	H	55.0	9.4
4573.787500	55.57	---	74.00	18.43	100.0	H	290.0	12.0
4573.787500	---	50.52	54.00	3.48	100.0	H	290.0	12.0

9/12/2019

12:14:46 PM

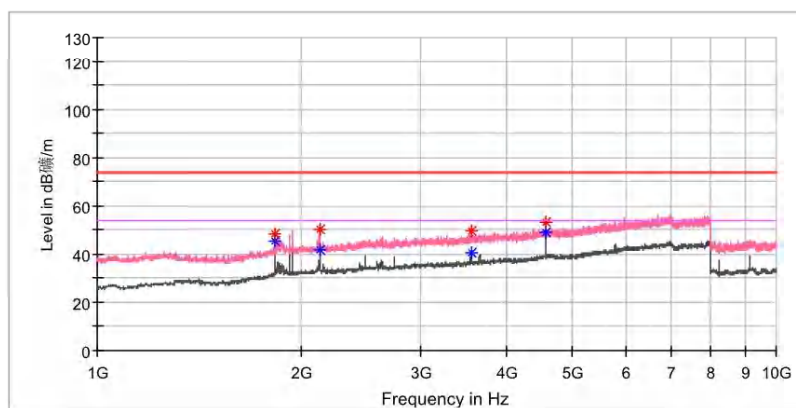
Test

4 / 6

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	FHSS 150K Mid CH_914.8MHz
Test Voltage:	Fully charged battery
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)
1829.300000	---	45.22	54.00	8.78	100.0	V	98.0	4.9
1829.300000	48.43	---	74.00	25.58	100.0	V	98.0	4.9
2133.312500	---	41.74	54.00	12.26	100.0	V	179.0	6.1
2133.312500	50.19	---	74.00	23.81	100.0	V	179.0	6.1
3556.225000	---	40.22	54.00	13.78	100.0	V	236.0	9.2
3557.062500	49.83	---	74.00	24.17	100.0	V	236.0	9.2
4573.787500	---	48.99	54.00	5.01	100.0	V	179.0	12.0
4574.625000	53.14	---	74.00	20.86	100.0	V	179.0	12.0

9/12/2019

12:14:46 PM

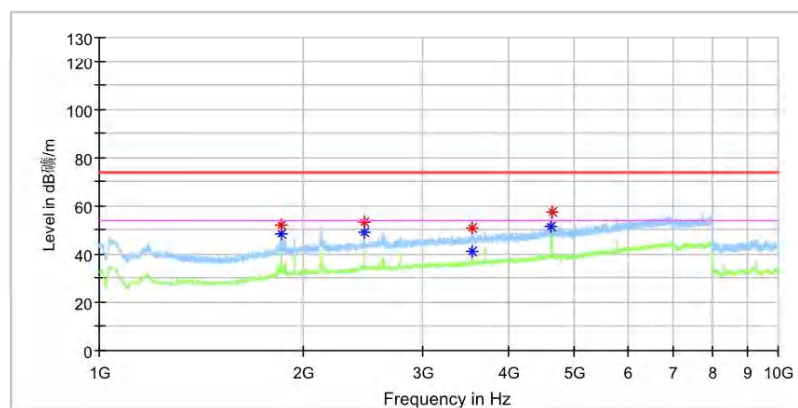
Test

5 / 6

Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: FHSS 150K High CH_927.6MHz
Test Voltage:: Fully charged battery
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)
1854.425000	52.03	---	74.00	21.97	100.0	H	268.0	5.0
1855.262500	---	48.16	54.00	5.84	100.0	H	268.0	5.0
2457.425000	---	48.98	54.00	5.02	100.0	H	249.0	7.5
2457.425000	53.45	---	74.00	20.55	100.0	H	249.0	7.5
3546.175000	---	40.85	54.00	13.15	100.0	H	60.0	9.2
3546.175000	50.53	---	74.00	23.47	100.0	H	60.0	9.2
4637.437500	---	50.22	54.00	3.78	100.0	H	258.0	12.0
4638.275000	57.54	---	74.00	16.46	100.0	H	258.0	12.0

9/12/2019

12:14:46 PM

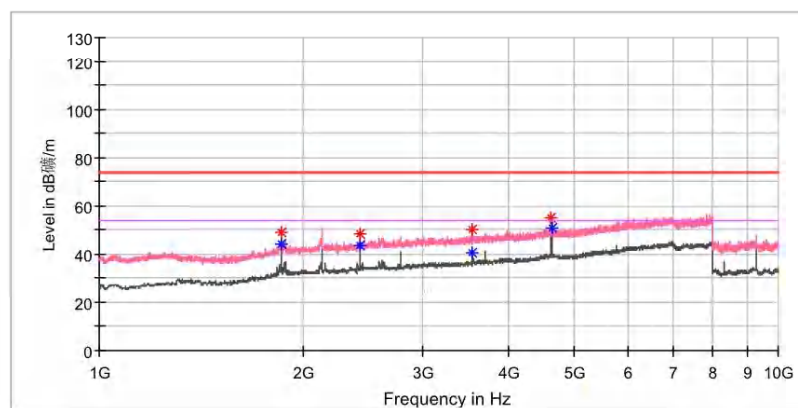
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: FHSS 150K High CH_927.6MHz
Test Voltage: Fully charged battery
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)
1854.425000	49.06	---	74.00	24.94	100.0	V	323.0	5.0
1855.262500	---	44.28	54.00	9.72	100.0	V	295.0	5.0
2419.737500	---	43.66	54.00	10.34	100.0	V	220.0	7.2
2419.737500	48.33	---	74.00	25.67	100.0	V	220.0	7.2
3543.662500	---	40.47	54.00	13.54	100.0	V	267.0	9.1
3543.662500	50.14	---	74.00	23.86	100.0	V	267.0	9.1
4637.437500	54.73	---	74.00	19.27	100.0	V	182.0	12.0
4638.275000	---	50.85	54.00	3.15	100.0	V	191.0	12.0

9/12/2019

12:14:46 PM

FHSS#4 (DataRate: 50Kbps)
30 MHz to 1GHz

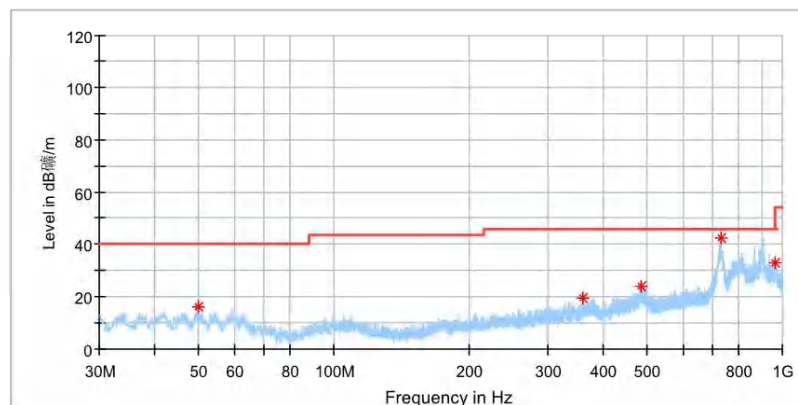
Test

1 / 4

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	FHSS 50K Low CH_902.2MHz
Test Voltage::	Fully charged battery
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)
50.030500	16.24	---	40.00	23.76	100.0	H	44.0	-18.6
358.151000	19.31	---	46.00	26.69	100.0	H	241.0	-15.0
482.408000	24.07	---	46.00	21.93	100.0	H	126.0	-12.5
728.691000	42.25	---	46.00	3.75	100.0	H	175.0	-7.9
962.364000	32.77	---	46.00	13.23	100.0	H	150.0	-4.7

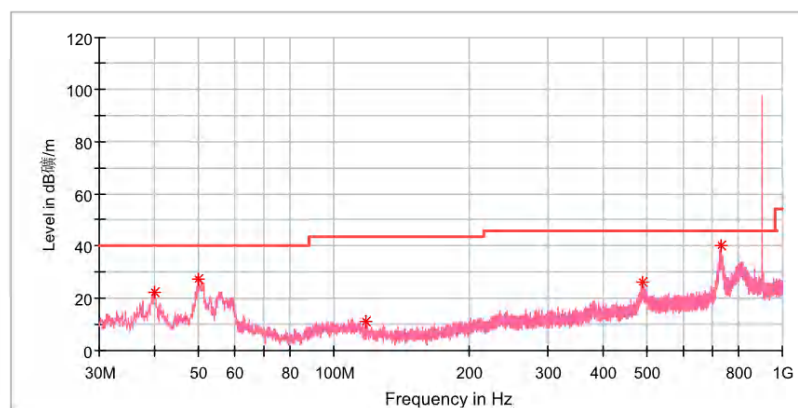
Test

2 / 4

Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: FHSS 50K Low CH_902.2MHz
Test Voltage: Fully charged battery
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)
39.797000	22.38	---	40.00	17.62	100.0	V	165.0	-20.5
49.982000	27.35	---	40.00	12.65	100.0	V	182.0	-18.6
118.027500	11.02	---	43.50	32.48	100.0	V	141.0	-20.7
488.713000	26.13	---	46.00	19.87	100.0	V	0.0	-12.4
728.982000	40.36	---	46.00	5.64	100.0	V	231.0	-7.9

10/12/2019

9:15:54 AM

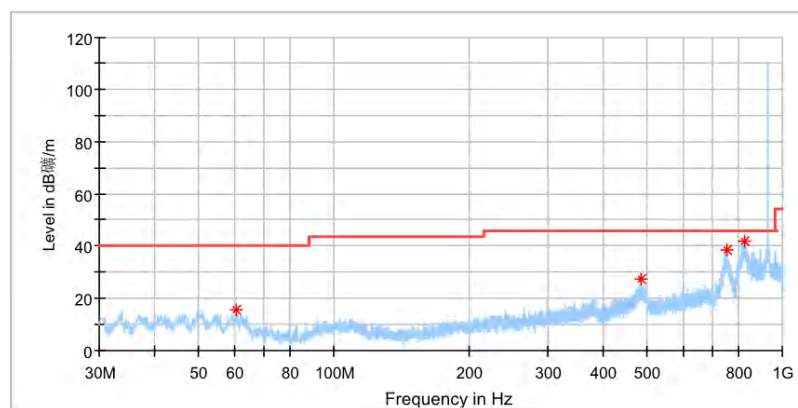
Test

3 / 4

Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: FHSS 50K High CH_927.8MHz
Test Voltage: Fully charged battery
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)
60.555000	15.84	---	40.00	24.16	100.0	H	219.0	-19.4
482.796000	27.22	---	46.00	18.78	100.0	H	121.0	-12.5
750.273500	38.28	---	46.00	7.72	100.0	H	170.0	-7.6
822.538500	41.86	---	46.00	4.14	100.0	H	14.0	-6.3

10/12/2019

9:15:54 AM

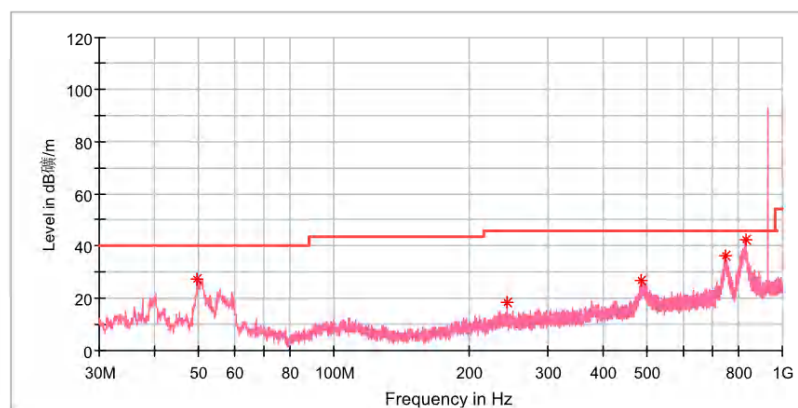
Test

4 / 4

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	FHSS 50K High CH_927.8MHz
Test Voltage:	Fully charged battery
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)
49.545500	27.12	---	40.00	12.88	100.0	V	258.0	-18.6
243.497000	18.64	---	46.00	27.36	100.0	V	258.0	-17.9
483.669000	26.68	---	46.00	19.32	100.0	V	0.0	-12.5
746.296500	36.22	---	46.00	9.78	100.0	V	200.0	-7.6
828.746500	42.41	---	46.00	3.59	100.0	V	217.0	-6.2

10/12/2019

9:15:54 AM

1GHz to 18GHz

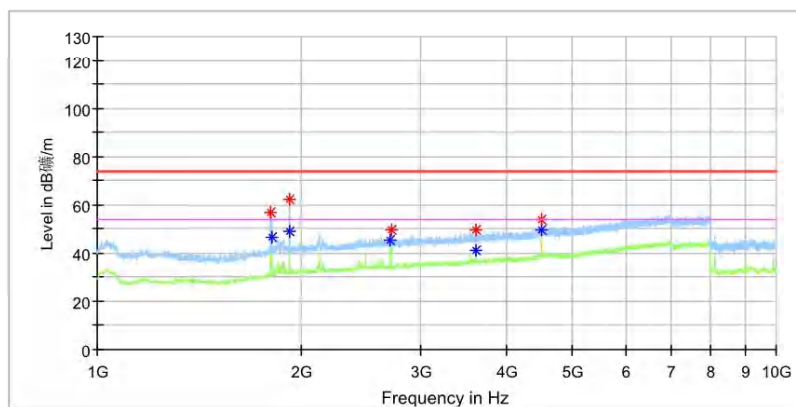
Test

1 / 6

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	FHSS 50K Low CH_902.2MHz
Test Voltage::	Fully charged battery
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)
1804.175000	57.06	---	74.00	16.94	100.0	H	183.0	4.7
1805.012500	---	46.41	54.00	7.59	100.0	H	198.0	4.8
1919.750000	---	48.70	54.00	5.30	100.0	H	330.0	5.6
1920.587500	62.43	---	74.00	11.57	100.0	H	330.0	5.6
2706.162500	---	45.22	54.00	8.78	100.0	H	88.0	7.5
2707.000000	49.62	---	74.00	24.38	100.0	H	107.0	7.6
3608.150000	49.39	---	74.00	24.61	100.0	H	126.0	9.4
3608.987500	---	41.05	54.00	12.95	100.0	H	136.0	9.4
4510.975000	53.64	---	74.00	20.36	100.0	H	264.0	11.6
4510.975000	---	49.34	54.00	4.66	100.0	H	264.0	11.6

9/12/2019

3:10:05 PM

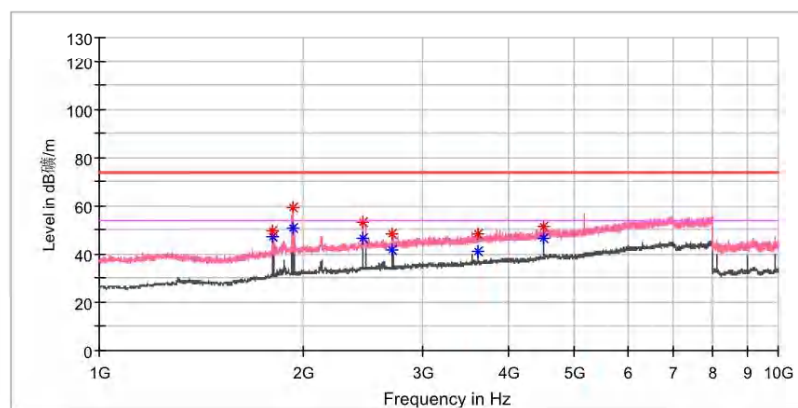
Test

2 / 6

Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: FHSS 50K Low CH_902.2MHz
Test Voltage: Fully charged battery
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)
1804.175000	49.82	---	74.00	24.18	100.0	V	196.0	4.7
1804.175000	---	47.04	54.00	6.96	100.0	V	196.0	4.7
1927.287500	59.36	---	74.00	14.64	100.0	V	149.0	5.6
1927.287500	---	50.99	54.00	3.01	100.0	V	149.0	5.6
2445.700000	---	46.43	54.00	7.57	100.0	V	64.0	7.4
2445.700000	53.20	---	74.00	20.80	100.0	V	64.0	7.4
2706.162500	---	41.46	54.00	12.54	100.0	V	234.0	7.5
2706.162500	48.18	---	74.00	25.82	100.0	V	234.0	7.5
3608.150000	48.67	---	74.00	25.33	100.0	V	45.0	9.4
3608.987500	---	41.01	54.00	12.99	100.0	V	55.0	9.4
4510.975000	---	46.71	54.00	7.29	100.0	V	177.0	11.6
4510.975000	51.11	---	74.00	22.89	100.0	V	177.0	11.6

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3:10:05 PM

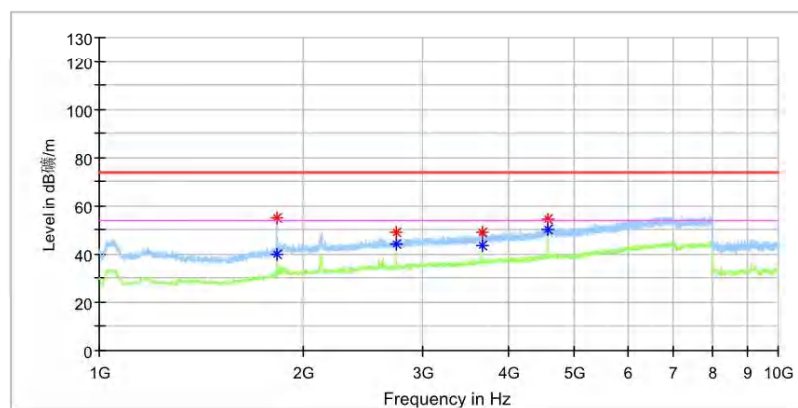
Test

3 / 6

Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: FHSS 50K Mid CH_915MHz
Test Voltage: Fully charged battery
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)
1828.462500	---	40.13	54.00	13.87	100.0	H	192.0	4.9
1829.300000	55.30	---	74.00	18.70	100.0	H	183.0	4.9
2744.687500	---	44.24	54.00	9.76	100.0	H	98.0	7.8
2744.687500	49.06	---	74.00	24.94	100.0	H	98.0	7.8
3660.075000	---	43.83	54.00	10.17	100.0	H	51.0	9.4
3660.075000	49.18	---	74.00	24.82	100.0	H	51.0	9.4
4574.625000	---	49.98	54.00	4.02	100.0	H	293.0	12.0
4575.462500	54.42	---	74.00	19.58	100.0	H	283.0	12.0

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3:10:05 PM

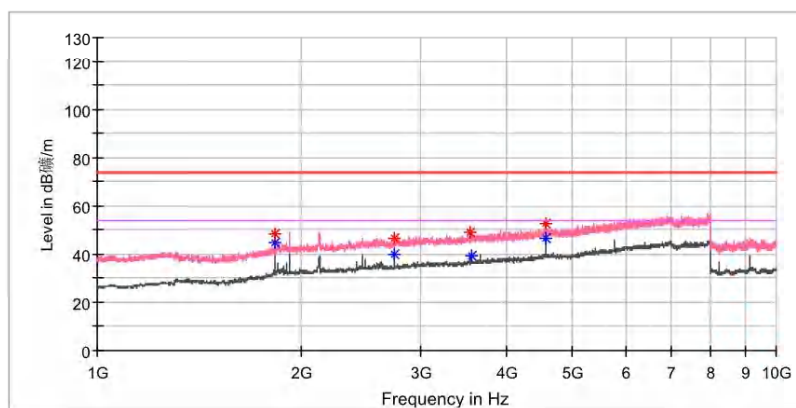
Test

4 / 6

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	FHSS 50K Mid CH_915MHz
Test Voltage:	Fully charged battery
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)
1829.300000	---	44.47	54.00	9.53	100.0	V	192.0	4.9
1830.137500	48.32	---	74.00	25.68	100.0	V	192.0	4.9
2744.687500	46.80	---	74.00	27.20	100.0	V	343.0	7.8
2744.687500	---	39.85	54.00	14.15	100.0	V	343.0	7.8
3551.200000	49.22	---	74.00	24.78	100.0	V	352.0	9.2
3552.037500	---	39.01	54.00	14.99	100.0	V	352.0	9.2
4574.625000	---	46.32	54.00	7.68	100.0	V	324.0	12.0
4575.462500	52.48	---	74.00	21.52	100.0	V	324.0	12.0

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3:10:05 PM

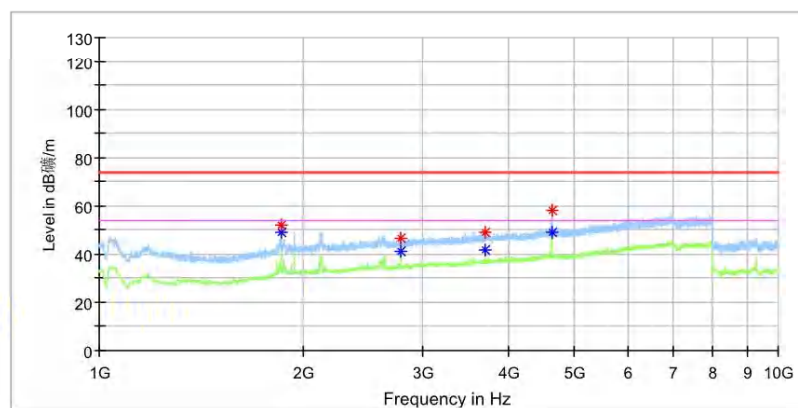
Test

5 / 6

Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: FHSS 50K High CH_927.8MHz
Test Voltage: Fully charged battery
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)
1855.262500	---	48.72	54.00	5.28	100.0	H	274.0	5.0
1855.262500	51.78	---	74.00	22.22	100.0	H	274.0	5.0
2783.212500	---	41.03	54.00	12.97	100.0	H	98.0	7.9
2783.212500	46.32	---	74.00	27.68	100.0	H	98.0	7.9
3711.162500	49.14	---	74.00	24.86	100.0	H	79.0	9.6
3711.162500	---	42.00	54.00	12.00	100.0	H	79.0	9.6
4638.275000	---	49.10	54.00	4.90	100.0	H	255.0	12.0
4639.112500	58.08	---	74.00	15.92	100.0	H	255.0	12.0

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3:10:05 PM

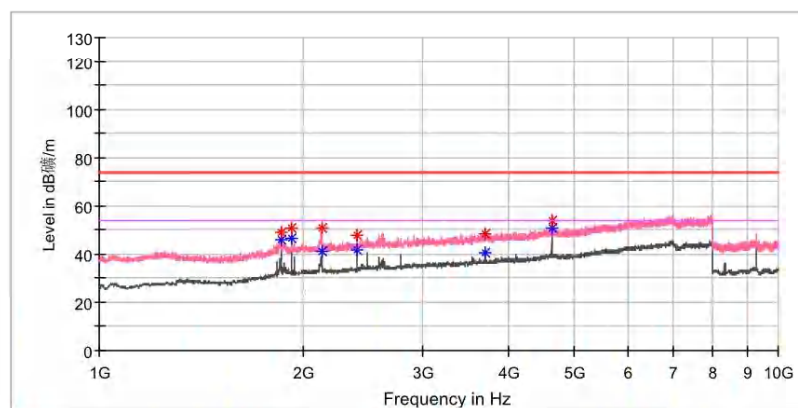
Test

6 / 6

Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: FHSS 50K High CH_927.8MHz
Test Voltage: Fully charged battery
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)
1855.262500	---	45.89	54.00	8.11	100.0	V	309.0	5.0
1855.262500	49.03	---	74.00	24.97	100.0	V	309.0	5.0
1920.587500	---	46.42	54.00	7.58	100.0	V	86.0	5.6
1920.587500	50.77	---	74.00	23.23	100.0	V	86.0	5.6
2132.475000	50.96	---	74.00	23.04	100.0	V	348.0	6.1
2133.312500	---	41.42	54.00	12.58	100.0	V	262.0	6.1
2401.312500	---	41.62	54.00	12.38	100.0	V	177.0	7.0
2401.312500	47.87	---	74.00	26.13	100.0	V	177.0	7.0
3708.650000	48.18	---	74.00	25.82	100.0	V	152.0	9.6
3711.162500	---	40.44	54.00	13.56	100.0	V	187.0	9.6
4639.112500	53.63	---	74.00	20.37	100.0	V	196.0	12.0
4639.112500	---	50.65	54.00	3.35	100.0	V	196.0	12.0

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3:10:05 PM

FHSS#5 (DataRate: 5Kbps)
30 MHz to 1GHz

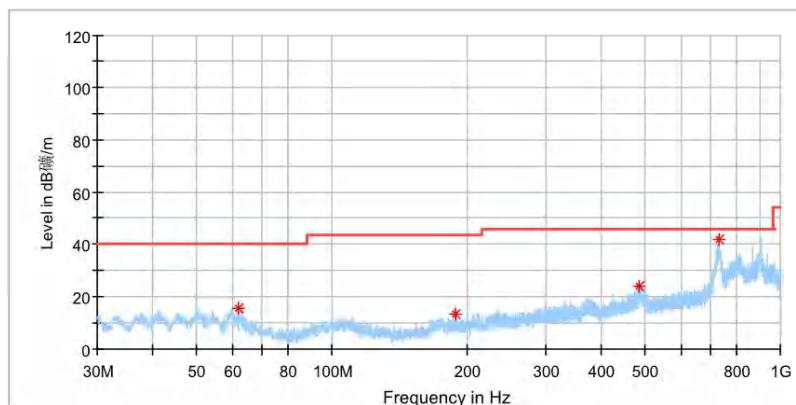
Test

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Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	FHSS 5K Low CH_902.2MHz
Test Voltage::	Fully charged battery
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)
61.961500	15.64	---	40.00	24.36	100.0	H	82.0	-19.7
188.692000	13.23	---	43.50	30.27	100.0	H	304.0	-20.0
483.475000	23.83	---	46.00	22.17	100.0	H	279.0	-12.5
727.915000	41.95	---	46.00	4.05	100.0	H	156.0	-7.9

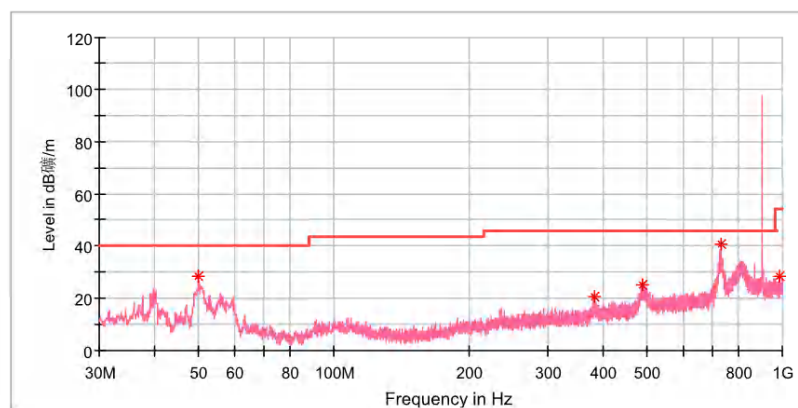
Test

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Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	FHSS 5K Low CH_902.2MHz
Test Voltage:	Fully charged battery
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)
49.933500	28.37	---	40.00	11.63	100.0	V	35.0	-18.6
379.782000	20.40	---	46.00	25.60	100.0	V	256.0	-14.6
488.373500	25.28	---	46.00	20.72	100.0	V	359.0	-12.4
729.030500	40.77	---	46.00	5.23	100.0	V	256.0	-7.9
987.778000	28.27	---	54.00	25.73	100.0	V	101.0	-4.3

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9:03:40 AM

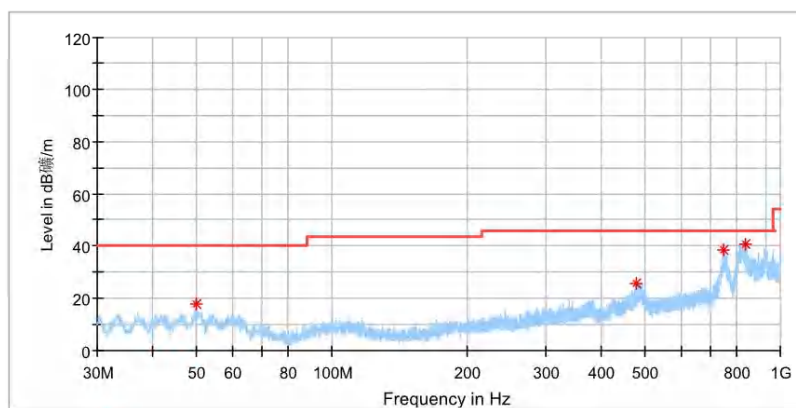
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: FHSS 5K High CH_927.8MHz
Test Voltage: Fully charged battery
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	18.09	---	40.00	21.91	100.0	H	316.0	-18.6
478.091500	25.89	---	46.00	20.11	100.0	H	113.0	-12.6
747.169500	38.37	---	46.00	7.63	100.0	H	162.0	-7.6
833.451000	40.90	---	46.00	5.10	100.0	H	154.0	-6.1

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9:03:40 AM

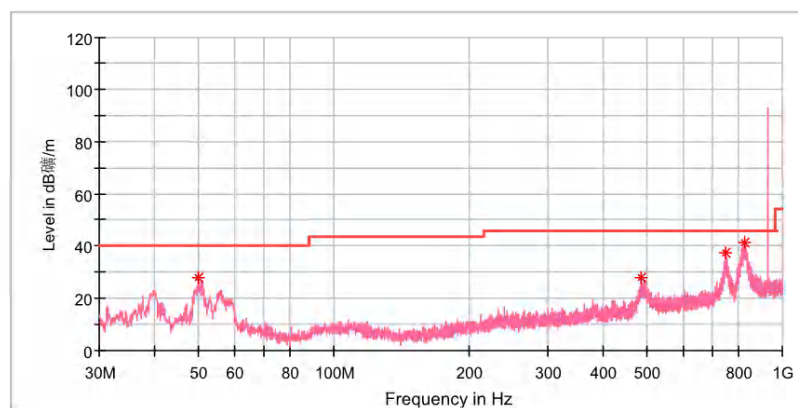
Test

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Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	FHSS 5K High CH_927.8MHz
Test Voltage:	Fully charged battery
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	27.73	---	40.00	12.27	100.0	V	155.0	-18.6
485.803000	27.66	---	46.00	18.34	100.0	V	76.0	-12.4
748.382000	37.54	---	46.00	8.46	100.0	V	319.0	-7.6
825.109000	41.45	---	46.00	4.55	100.0	V	229.0	-6.3

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9:03:40 AM

1GHz to 18GHz

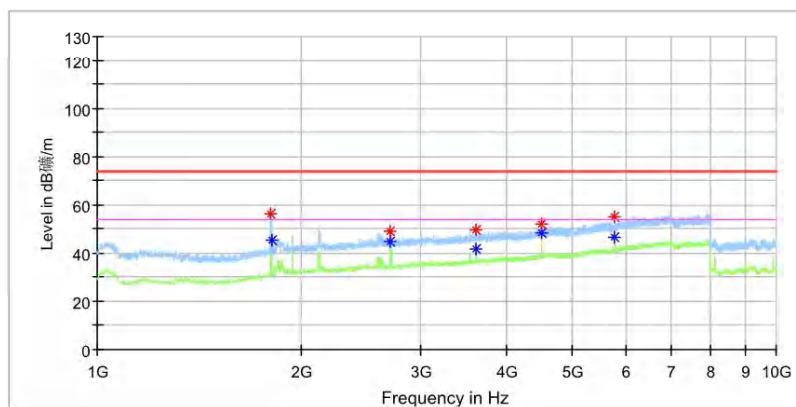
Test

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Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	FHSS 5K Low CH_902.2MHz
Test Voltage:	Fully charged battery
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)
1804.175000	56.42	---	74.00	17.58	100.0	H	195.0	4.7
1805.012500	---	45.40	54.00	8.60	100.0	H	195.0	4.8
2706.162500	---	44.67	54.00	9.33	100.0	H	91.0	7.5
2706.162500	49.06	---	74.00	24.94	100.0	H	91.0	7.5
3608.987500	---	41.96	54.00	12.04	100.0	H	25.0	9.4
3608.987500	49.87	---	74.00	24.13	100.0	H	25.0	9.4
4510.975000	---	48.60	54.00	5.40	100.0	H	280.0	11.6
4510.975000	52.16	---	74.00	21.84	100.0	H	280.0	11.6
5781.462500	---	46.75	54.00	7.25	100.0	H	63.0	14.0
5781.462500	54.82	---	74.00	19.18	100.0	H	63.0	14.0

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6:19:43 PM

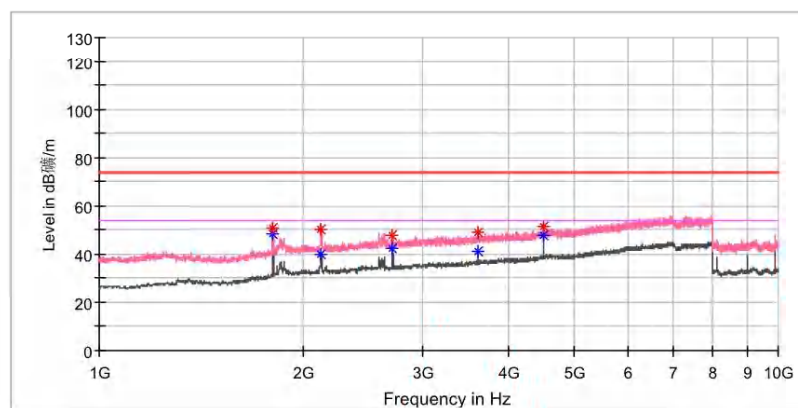
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: FHSS 5K Low CH_902.2MHz
Test Voltage: Fully charged battery
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)
1804.175000	50.77	---	74.00	23.23	100.0	V	189.0	4.7
1804.175000	---	48.41	54.00	5.59	100.0	V	189.0	4.7
2124.100000	---	40.17	54.00	13.83	100.0	V	330.0	6.1
2124.100000	49.89	---	74.00	24.11	100.0	V	330.0	6.1
2706.162500	---	42.15	54.00	11.85	100.0	V	217.0	7.5
2706.162500	47.87	---	74.00	26.13	100.0	V	217.0	7.5
3608.150000	48.71	---	74.00	25.29	100.0	V	61.0	9.4
3608.987500	---	41.34	54.00	12.66	100.0	V	302.0	9.4
4510.975000	---	47.50	54.00	6.50	100.0	V	179.0	11.6
4510.975000	51.54	---	74.00	22.46	100.0	V	179.0	11.6

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6:19:43 PM

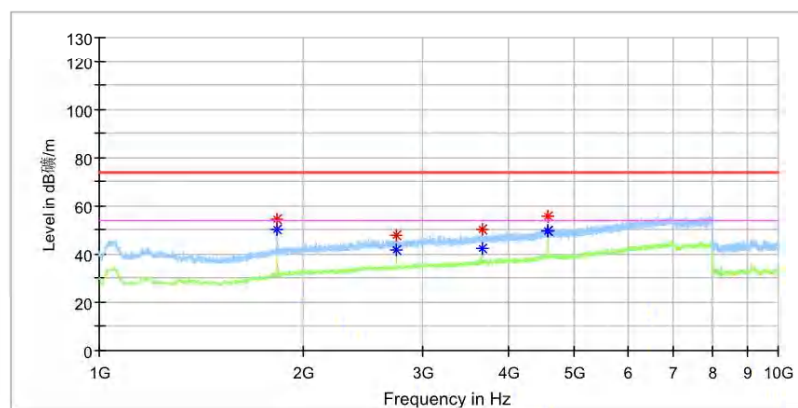
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: FHSS 5K Mid CH_915MHz
Test Voltage: Fully charged battery
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)
1830.137500	54.19	---	74.00	19.81	100.0	H	236.0	4.9
1830.137500	---	50.43	54.00	3.57	100.0	H	236.0	4.9
2744.687500	47.65	---	74.00	26.35	100.0	H	88.0	7.8
2744.687500	---	41.70	54.00	12.30	100.0	H	88.0	7.8
3660.075000	49.99	---	74.00	24.01	100.0	H	66.0	9.4
3660.075000	---	42.56	54.00	11.44	100.0	H	66.0	9.4
4574.625000	---	49.84	54.00	4.16	100.0	H	265.0	12.0
4574.625000	---	49.84	54.00	4.16	100.0	H	265.0	12.0
4575.462500	55.49	---	74.00	18.51	100.0	H	255.0	12.0

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6:19:43 PM

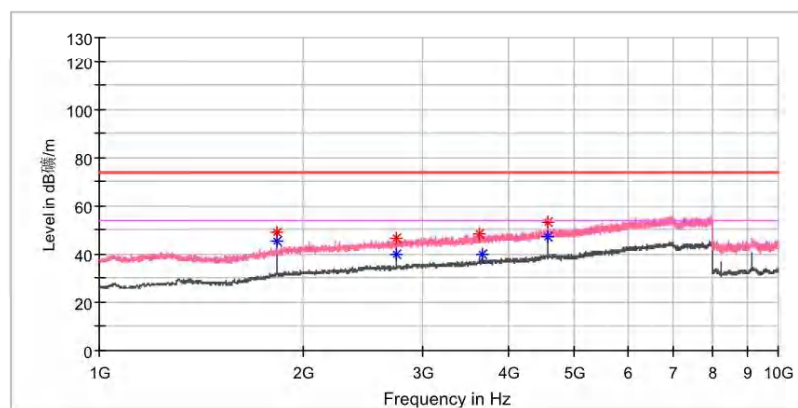
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: FHSS 5K Mid CH_915MHz
Test Voltage: Fully charged battery
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)
1829.300000	---	45.32	54.00	8.68	100.0	V	174.0	4.9
1829.300000	49.13	---	74.00	24.87	100.0	V	174.0	4.9
2744.687500	---	39.77	54.00	14.23	100.0	V	2.0	7.8
2744.687500	46.70	---	74.00	27.30	100.0	V	2.0	7.8
3635.787500	48.12	---	74.00	25.88	100.0	V	14.0	9.4
3660.075000	---	39.89	54.00	14.11	100.0	V	6.0	9.4
4574.625000	---	47.10	54.00	6.90	100.0	V	316.0	12.0
4575.462500	53.39	---	74.00	20.61	100.0	V	316.0	12.0

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6:19:43 PM

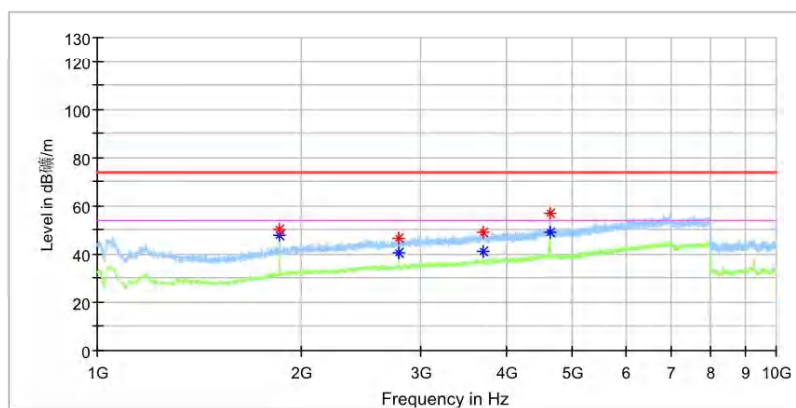
Test

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Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: FHSS 5K High CH_927.8MHz
Test Voltage: Fully charged battery
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)
1855.262500	50.35	---	74.00	23.65	100.0	H	282.0	5.0
1855.262500	---	48.03	54.00	5.97	100.0	H	282.0	5.0
2783.212500	---	40.57	54.00	13.43	100.0	H	2.0	7.9
2783.212500	46.57	---	74.00	27.43	100.0	H	2.0	7.9
3711.162500	---	41.40	54.00	12.60	100.0	H	71.0	9.6
3711.162500	49.12	---	74.00	24.88	100.0	H	71.0	9.6
4638.275000	---	48.70	54.00	5.30	100.0	H	250.0	12.0
4639.112500	57.05	---	74.00	16.95	100.0	H	260.0	12.0

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6:19:43 PM

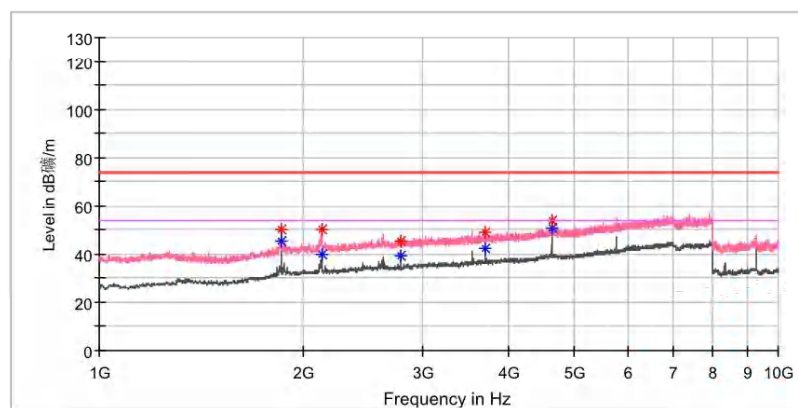
Test

6 / 6

Test Report

EUT Information

EUT Name: Solar Pathlight
Model: 5AT1S6
Test Mode: FHSS 5K High CH_927.8MHz
Test Voltage: Fully charged battery
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)
1855.262500	---	45.28	54.00	8.72	100.0	V	297.0	5.0
1855.262500	50.13	---	74.00	23.87	100.0	V	297.0	5.0
2130.800000	---	40.18	54.00	13.82	100.0	V	83.0	6.1
2130.800000	50.24	---	74.00	23.76	100.0	V	83.0	6.1
2782.375000	45.43	---	74.00	28.57	100.0	V	221.0	7.9
2783.212500	---	39.48	54.00	14.52	100.0	V	26.0	7.9
3711.162500	---	42.18	54.00	11.82	100.0	V	202.0	9.6
3711.162500	48.78	---	74.00	25.22	100.0	V	202.0	9.6
4639.112500	54.04	---	74.00	19.96	100.0	V	183.0	12.0
4639.112500	---	50.76	54.00	3.24	100.0	V	183.0	12.0

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