

Appendix E: Test Results of FCC 15B&ICES-003

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Appendix E.1: Test Plots of Radiated Emission, Below 1GHz

Lighting mode

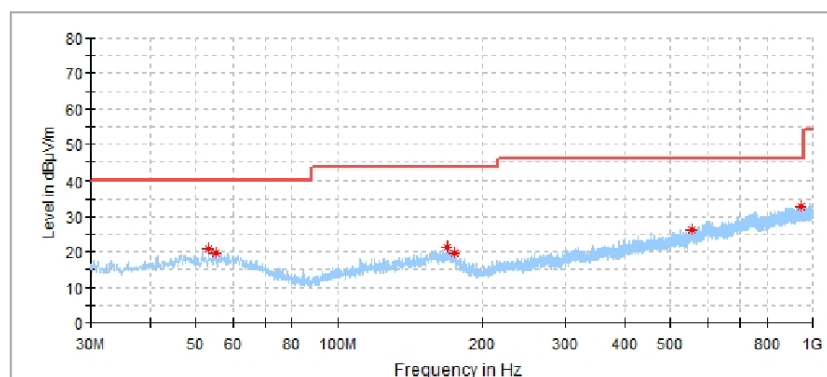
H 30-1G Lighting mode

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EMC32 Report

EUT Information

EUT Name:	Pathlight
Model:	5LP1Y8
Order No:	168154565(120)
Test Mode:	Lighting mode
Test Voltage:	DC 6V
Test By:	Tom Guo
Review By:	Gary Chen
Remark:	



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
947.717000	32.92	46.00	13.08	100.0	H	11.0
557.195000	26.15	46.00	19.85	100.0	H	120.0
53.183000	20.99	40.00	19.01	100.0	H	330.0
168.807000	21.45	43.50	22.05	200.0	H	32.0
55.317000	19.66	40.00	20.34	200.0	H	40.0
175.209000	19.66	43.50	23.84	200.0	H	103.0

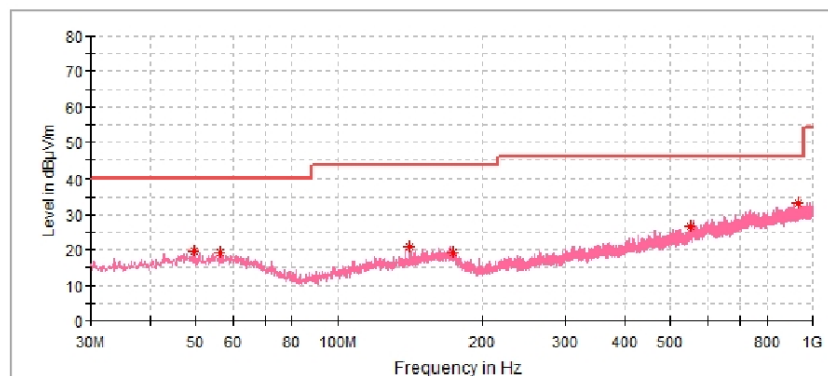
V 30-1G Lighting mode

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EMC32 Report

EUT Information

EUT Name:	Pathlight
Model:	5LP1Y8
Order No:	168154565(120)
Test Mode:	Lighting mode
Test Voltage:	DC 6V
Test By:	Tom Guo
Review By:	Gary Chen
Remark:	



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
552.636000	26.86	46.00	19.14	100.0	V	109.0
173.366000	19.32	43.50	24.18	200.0	V	0.0
931.615000	33.31	46.00	12.69	200.0	V	182.0
140.483000	21.07	43.50	22.43	200.0	V	213.0
56.384000	19.46	40.00	20.54	200.0	V	269.0
49.497000	19.73	40.00	20.27	200.0	V	320.0

Appendix E.2: Test Plots of Radiated Emission, Above 1GHz

Lighting mode

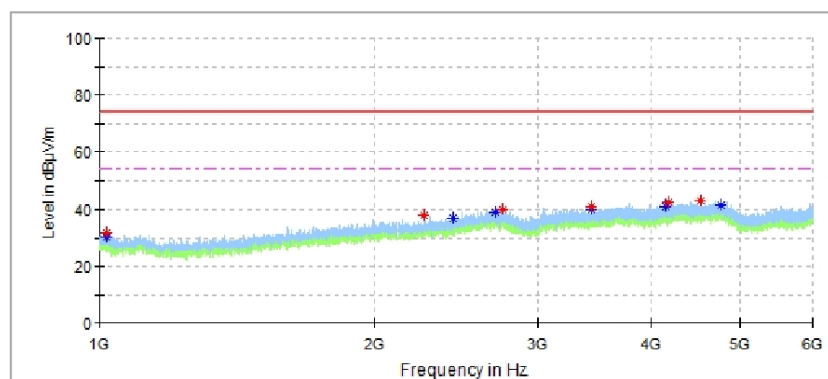
H 1-6G Lighting mode

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EMC32 Report

EUT Information

EUT Name:	Pathlight
Model:	5LP1Y8
Order No:	168154565(120)
Test Mode:	Lighting mode
Test Voltage:	DC 6V
Test By:	Tom Guo
Review By:	Gary Chen
Remark:	



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
1019.500000	---	30.48	54.00	23.52	100.0	H	180.0
1019.500000	32.00	---	74.00	42.00	100.0	H	180.0
2258.000000	37.98	---	74.00	36.02	100.0	H	253.0
2428.500000	---	37.17	54.00	16.83	100.0	H	45.0
2696.500000	---	39.16	54.00	14.84	100.0	H	238.0
2747.000000	39.77	---	74.00	34.23	100.0	H	325.0
3437.500000	40.97	---	74.00	33.03	100.0	H	0.0
3437.500000	---	39.81	54.00	14.19	100.0	H	0.0
4144.000000	---	40.86	54.00	13.14	100.0	H	272.0
4167.000000	42.52	---	74.00	31.48	100.0	H	238.0
4522.000000	42.91	---	74.00	31.09	100.0	H	186.0
4766.500000	---	41.29	54.00	12.71	100.0	H	315.0

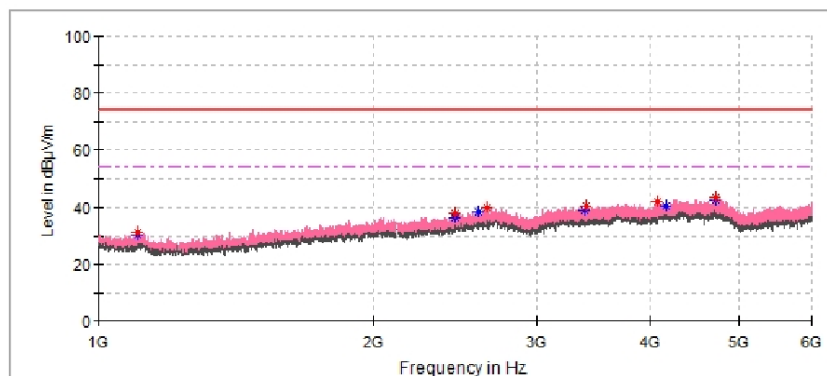
V 1-6G Lighting mode

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EMC32 Report

EUT Information

EUT Name:	Pathlight
Model:	5LP1Y8
Order No:	168154565(120)
Test Mode:	Lighting mode
Test Voltage:	DC 6V
Test By:	Tom Guo
Review By:	Gary Chen
Remark:	



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
1106.000000	---	30.13	54.00	23.87	100.0	V	86.0
1106.000000	31.05	---	74.00	42.95	100.0	V	86.0
2442.500000	37.85	---	74.00	36.15	100.0	V	184.0
2442.500000	---	36.33	54.00	17.67	100.0	V	184.0
2588.000000	---	38.68	54.00	15.32	100.0	V	234.0
2653.000000	39.83	---	74.00	34.17	100.0	V	261.0
3391.000000	---	39.19	54.00	14.81	100.0	V	14.0
3397.000000	40.64	---	74.00	33.36	100.0	V	211.0
4065.000000	42.08	---	74.00	31.92	100.0	V	298.0
4162.500000	---	40.53	54.00	13.47	100.0	V	0.0
4710.500000	---	42.77	54.00	11.23	100.0	V	298.0
4710.500000	43.67	---	74.00	30.33	100.0	V	298.0