

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

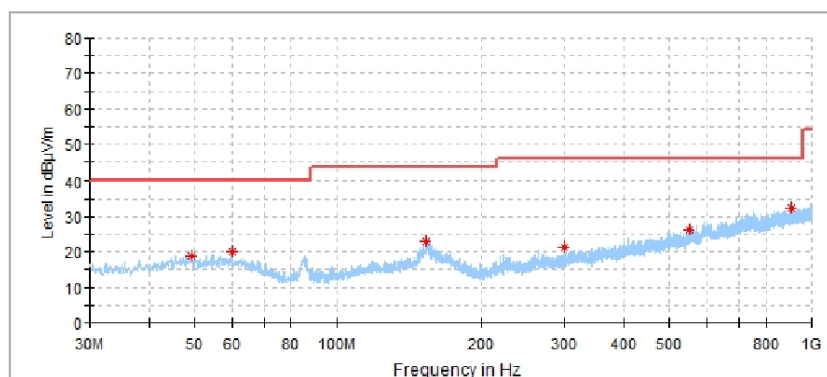
H 30-1G Lighting mode

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EMC32 Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
Order No:	168154565 130
Test Mode:	Lighting mode
Test Voltage:	Battery
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)
153.190000	22.89	43.50	20.61	100.0	H	16.0
907.947000	32.52	46.00	13.48	100.0	H	165.0
59.876000	20.07	40.00	19.93	100.0	H	200.0
299.175000	21.50	46.00	24.50	100.0	H	279.0
552.927000	26.32	46.00	19.68	200.0	H	295.0
49.109000	19.04	40.00	20.96	200.0	H	315.0

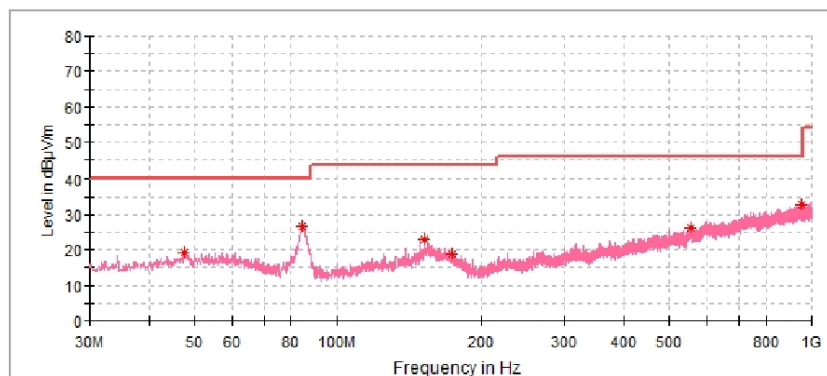
V 30-1G Lighting mode

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EMC32 Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
Order No:	168154565 130
Test Mode:	Lighting mode
Test Voltage:	Battery
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)
84.223000	26.76	40.00	13.24	100.0	V	274.0
152.026000	22.95	43.50	20.55	100.0	V	343.0
173.560000	18.78	43.50	24.72	200.0	V	0.0
47.460000	19.46	40.00	20.54	200.0	V	205.0
555.934000	26.41	46.00	19.59	200.0	V	248.0
949.948000	32.94	46.00	13.06	200.0	V	320.0

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

Lighting mode

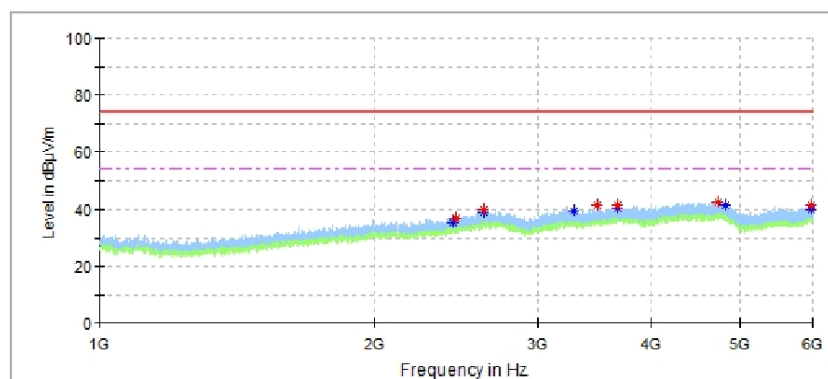
H 1-6G Lighting mode

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EMC32 Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
Order No:	168154565 130
Test Mode:	Lighting mode
Test Voltage:	Battery
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)
5977.500000	---	54.00	14.00	100.0	H	18.0
5977.500000	41.47	74.00	32.53	100.0	H	18.0
4812.000000	---	54.00	12.34	100.0	H	122.0
2624.000000	40.25	74.00	33.75	100.0	H	183.0
2624.000000	---	54.00	15.15	100.0	H	183.0
4729.500000	42.77	74.00	31.23	100.0	H	293.0
3294.500000	---	54.00	14.44	300.0	H	79.0
3671.000000	---	54.00	13.68	300.0	H	120.0
3671.000000	41.30	74.00	32.70	300.0	H	120.0
2449.000000	37.05	74.00	36.95	300.0	H	189.0
3486.000000	41.31	74.00	32.69	300.0	H	212.0
2423.500000	---	54.00	18.56	300.0	H	313.0

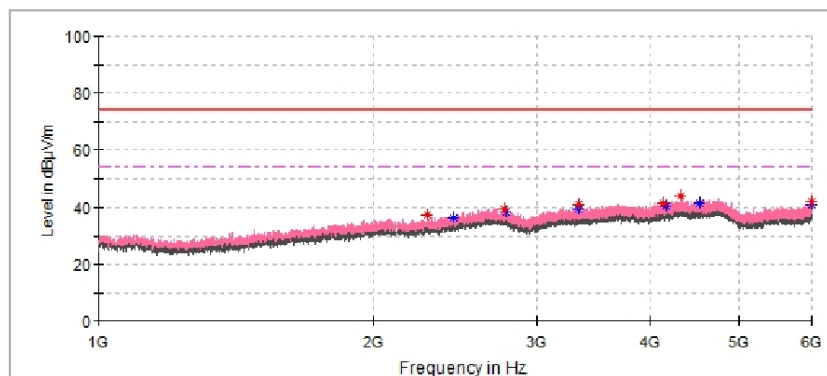
V 1-6G Lighting mode

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EMC32 Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
Order No:	168154565 130
Test Mode:	Lighting mode
Test Voltage:	Battery
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)
2782.500000	---	54.00	15.40	100.0	V	87.0
2439.000000	---	54.00	17.42	100.0	V	139.0
4132.000000	41.49	74.00	32.51	100.0	V	139.0
4160.500000	---	54.00	13.50	100.0	V	168.0
4527.000000	---	54.00	12.21	100.0	V	219.0
3334.000000	---	54.00	14.67	100.0	V	290.0
3334.000000	40.78	74.00	33.22	100.0	V	290.0
2767.000000	39.57	74.00	34.43	100.0	V	353.0
4307.500000	43.87	74.00	30.13	300.0	V	50.0
2279.000000	37.68	74.00	36.32	300.0	V	91.0
5998.000000	---	54.00	13.17	300.0	V	196.0
5998.000000	41.81	74.00	32.19	300.0	V	196.0

3/29/2020

EMC32 V10.50.0

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