

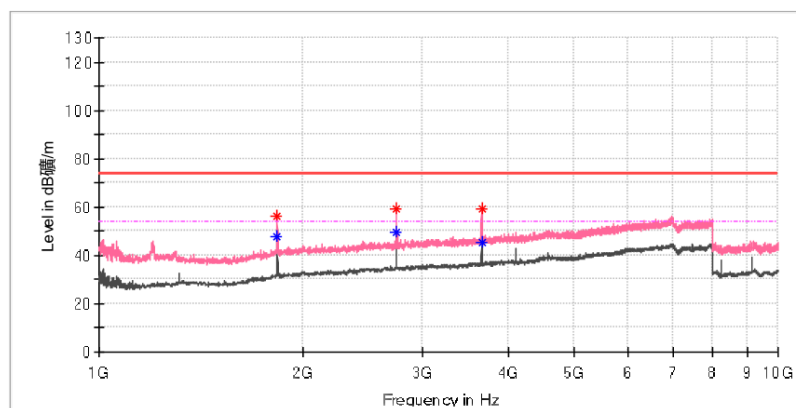
Test

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Test Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
Test Mode:	Lora FHSS 125K Mid CH_915MHz
Test Voltage:	Full Battery
Remark:	Temp 23 Humi: 45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1829.300000	56.15	---	74.00	17.85	100.0	V	148.0	4.9
1829.300000	---	47.61	54.00	6.39	100.0	V	148.0	4.9
2744.687500	59.42	---	74.00	14.58	100.0	V	166.0	7.8
2744.687500	---	49.76	54.00	4.24	100.0	V	166.0	7.8
3659.237500	59.33	---	74.00	14.67	100.0	V	255.0	9.4
3660.075000	---	45.34	54.00	8.66	100.0	V	255.0	9.4

17/3/2020

11:14:38 AM

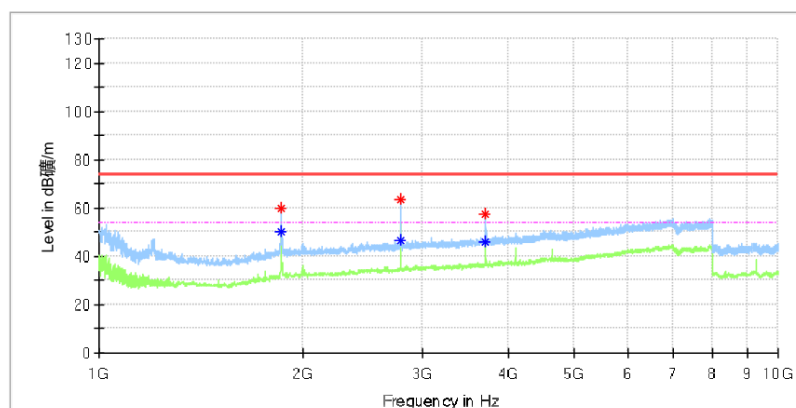
Test

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Test Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
Test Mode:	Lora FHSS 125K High CH_927.8MHz
Test Voltage::	Full Battery
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1855.262500	59.87	---	74.00	14.13	100.0	H	84.0	5.0
1855.262500	---	49.92	54.00	4.08	100.0	H	84.0	5.0
2782.375000	---	46.60	54.00	7.40	100.0	H	138.0	7.9
2783.212500	63.38	---	74.00	10.62	100.0	H	138.0	7.9
3711.162500	---	45.80	54.00	8.20	100.0	H	354.0	9.6
3711.162500	57.36	---	74.00	16.64	100.0	H	354.0	9.6

17/3/2020

11:14:38 AM

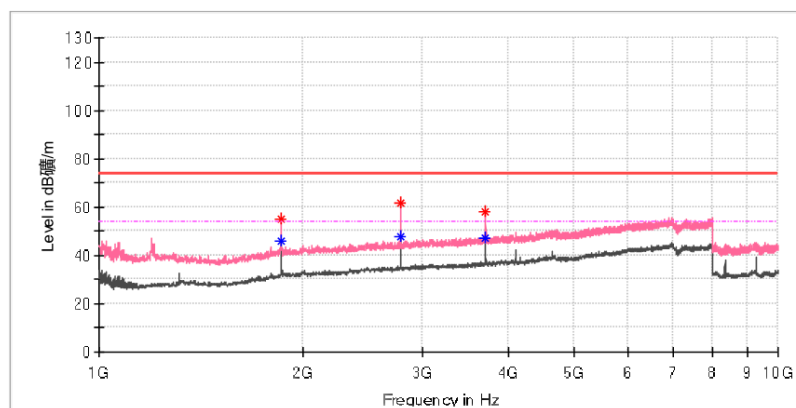
Test

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Test Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
Test Mode:	Lora FHSS 125K High CH_927.8MHz
Test Voltage:	Full Battery
Remark:	Temp 23 Humi: 45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1856.100000	55.24	---	74.00	18.76	100.0	V	151.0	5.1
1856.100000	---	45.99	54.00	8.01	100.0	V	151.0	5.1
2783.212500	61.89	---	74.00	12.11	100.0	V	142.0	7.9
2783.212500	---	47.60	54.00	6.40	100.0	V	142.0	7.9
3711.162500	58.31	---	74.00	15.69	100.0	V	247.0	9.6
3711.162500	---	47.35	54.00	6.65	100.0	V	247.0	9.6

17/3/2020

11:14:38 AM

FHSs#2 (DataRate: 50Kbps)
30 MHz to 1GHz

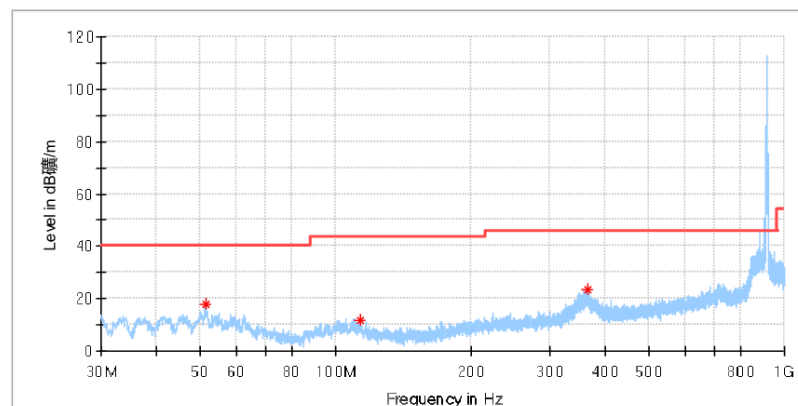
Test

1 / 4

Test Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
Test Mode:	FSK FHSS 50K Low CH_902.2MHz
Test Voltage::	Full Battery
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
51.243000	18.12	---	40.00	21.88	100.0	H	51.0	-18.6
113.468500	11.98	---	43.50	31.52	100.0	H	32.0	-19.8
364.941000	23.19	---	46.00	22.81	100.0	H	117.0	-14.9

17/3/2020

6:27:00 PM

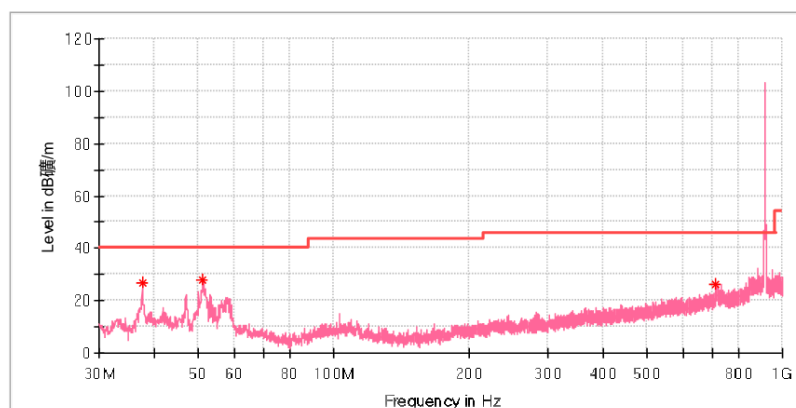
Test

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Test Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
Test Mode:	FSK FHSS 50K Low CH_902.2MHz
Test Voltage:	Full Battery
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.469000	26.55	---	40.00	13.45	100.0	V	167.0	-21.3
51.194500	27.72	---	40.00	12.28	100.0	V	67.0	-18.6
709.048500	25.99	---	46.00	20.01	100.0	V	183.0	-8.3

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6:27:00 PM

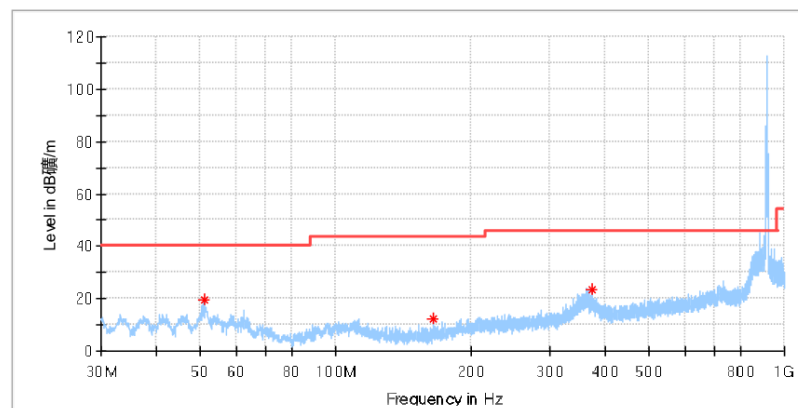
Test

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Test Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
Test Mode:	FSK FHSS 50K High CH_927.8MHz
Test Voltage:	Full Battery
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
50.855000	19.46	---	40.00	20.54	100.0	H	49.0	-18.6
164.927000	12.13	---	43.50	31.37	100.0	H	234.0	-21.8
373.089000	23.23	---	46.00	22.77	100.0	H	105.0	-14.7

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6:27:00 PM

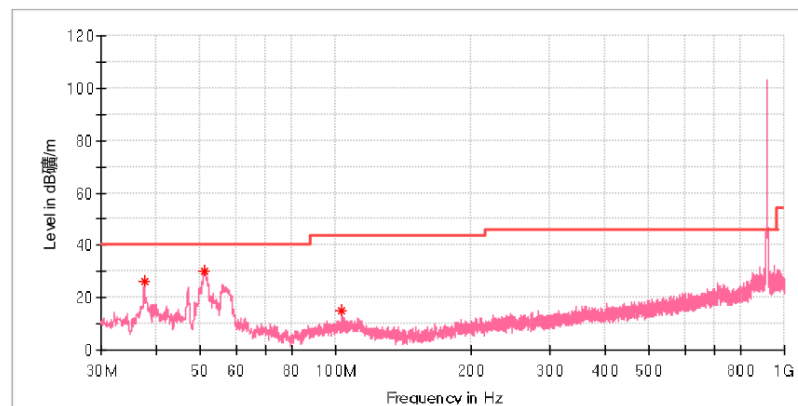
Test

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Test Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
Test Mode:	FSK FHSS 50K High CH_927.8MHz
Test Voltage::	Full Battery
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.517500	26.41	---	40.00	13.59	100.0	V	69.0	-21.2
50.903500	30.06	---	40.00	9.94	100.0	V	77.0	-18.6
103.089500	15.33	---	43.50	28.17	100.0	V	193.0	-19.2

17/3/2020

6:27:00 PM

1GHz to 10GHz

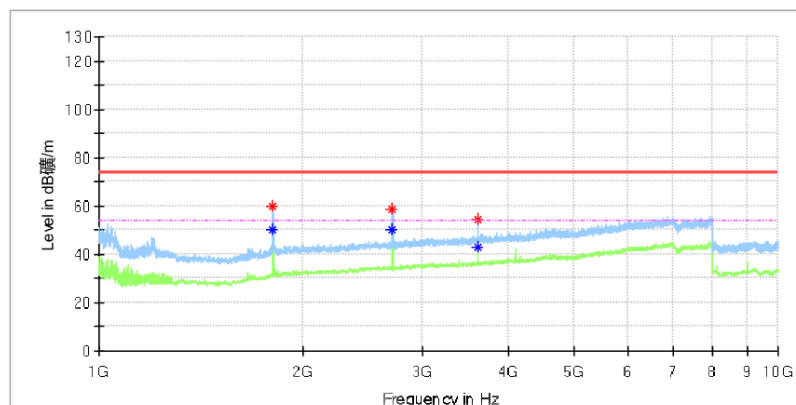
Test

1 / 6

Test Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
Test Mode:	FSK FHSS 50K Low CH_902.2MHz
Test Voltage::	Full Battery
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1804.175000	60.12	---	74.00	13.88	100.0	H	146.0	4.7
1804.175000	---	50.25	54.00	3.75	100.0	H	146.0	4.7
2706.162500	58.43	---	74.00	15.57	100.0	H	99.0	7.5
2706.162500	---	50.03	54.00	3.97	100.0	H	99.0	7.5
3608.987500	54.55	---	74.00	19.45	100.0	H	61.0	9.4
3608.987500	---	42.74	54.00	11.26	100.0	H	61.0	9.4

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2:30:21 PM

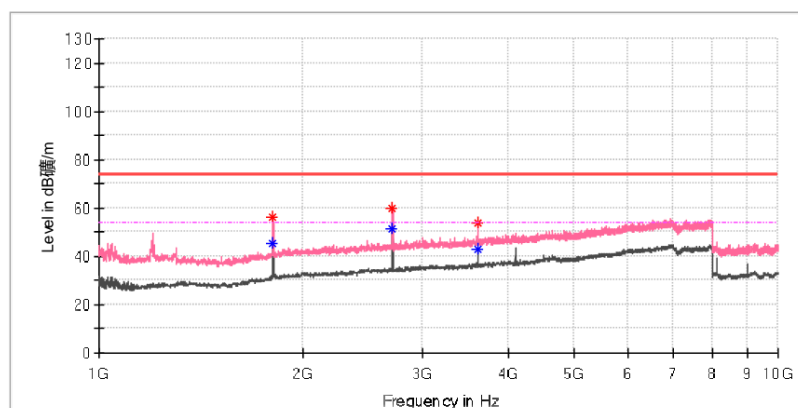
Test

2 / 6

Test Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
Test Mode:	FSK FHSS 50K Low CH_902.2MHz
Test Voltage::	Full Battery
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1804.175000	---	45.24	54.00	8.76	100.0	V	145.0	4.7
1804.175000	56.14	---	74.00	17.86	100.0	V	145.0	4.7
2706.162500	59.80	---	74.00	14.20	100.0	V	145.0	7.5
2706.162500	---	50.40	54.00	3.60	100.0	V	145.0	7.5
3608.150000	---	42.84	54.00	11.16	100.0	V	279.0	9.4
3608.987500	53.88	---	74.00	20.12	100.0	V	279.0	9.4

17/3/2020

2:30:21 PM

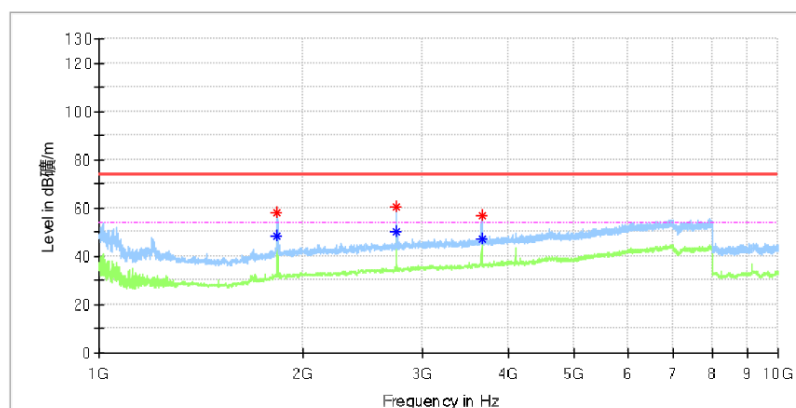
Test

3 / 6

Test Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
TestMode:	FSK FHSS 50K Mid CH_915MHz
TestVoltage::	Full Battery
Remark:	Temp 23 Humi:45%
TestStandard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1830.137500	57.85	---	74.00	16.15	100.0	H	326.0	4.9
1830.137500	---	48.64	54.00	5.36	100.0	H	326.0	4.9
2744.687500	---	50.34	54.00	3.66	100.0	H	131.0	7.8
2744.687500	60.70	---	74.00	13.30	100.0	H	131.0	7.8
3660.075000	---	46.91	54.00	7.09	100.0	H	316.0	9.4
3660.075000	56.65	---	74.00	17.35	100.0	H	316.0	9.4

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2:30:21 PM

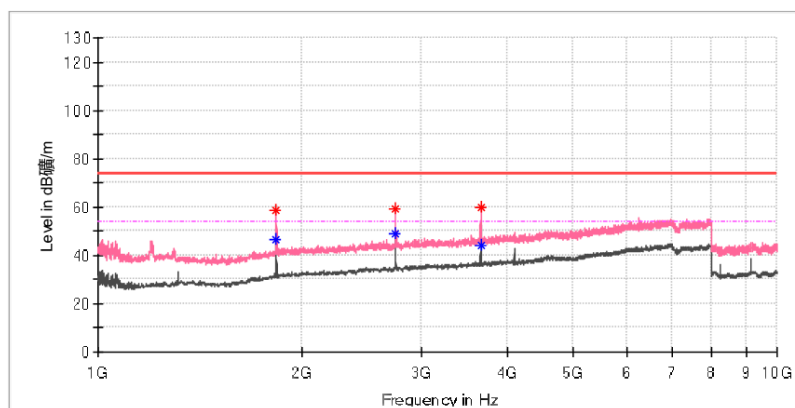
Test

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Test Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
Test Mode:	FSK FHSS 50K Mid CH_915MHz
Test Voltage:	Full Battery
Remark:	Temp 23 Humi: 45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1829.300000	---	46.38	54.00	7.62	100.0	V	158.0	4.9
1829.300000	58.81	---	74.00	15.19	100.0	V	158.0	4.9
2744.687500	---	48.70	54.00	5.30	100.0	V	224.0	7.8
2744.687500	59.36	---	74.00	14.64	100.0	V	224.0	7.8
3660.075000	60.14	---	74.00	13.86	100.0	V	262.0	9.4
3660.912500	---	44.33	54.00	9.67	100.0	V	262.0	9.5

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2:30:21 PM

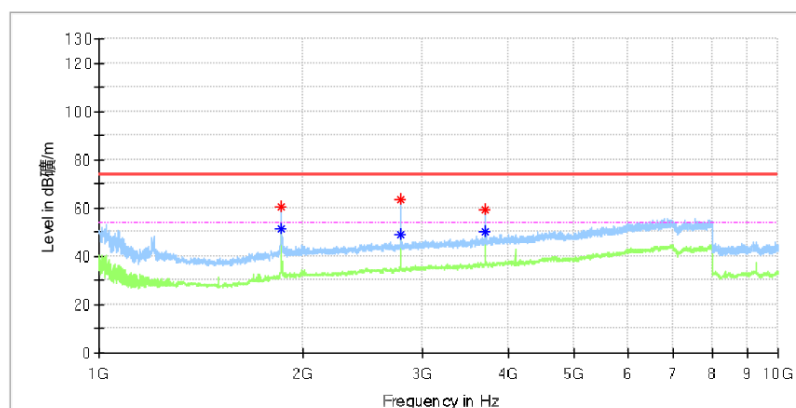
Test

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Test Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
Test Mode:	FSK FHSS 50K High CH_927.8MHz
Test Voltage::	Full Battery
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1855.262500	60.63	---	74.00	13.37	100.0	H	95.0	5.0
1855.262500	---	50.24	54.00	3.76	100.0	H	95.0	5.0
2783.212500	---	49.15	54.00	4.85	100.0	H	132.0	7.9
2783.212500	63.43	---	74.00	10.57	100.0	H	132.0	7.9
3711.162500	59.35	---	74.00	14.65	100.0	H	318.0	9.6
3711.162500	---	50.09	54.00	3.91	100.0	H	318.0	9.6

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2:30:21 PM

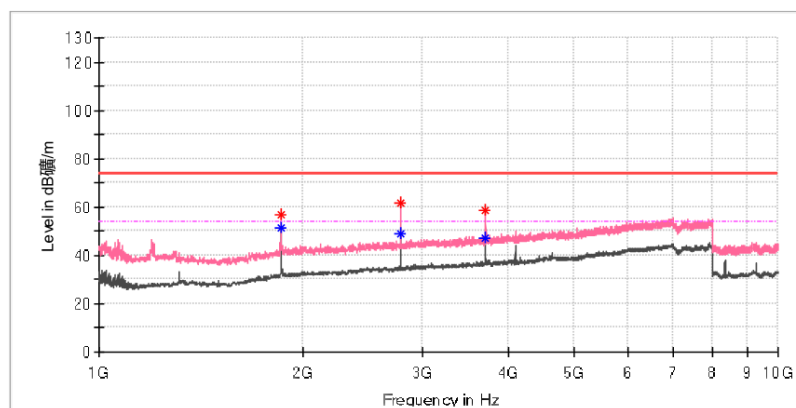
Test

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Test Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
Test Mode:	FSK FHSS 50K High CH_927.8MHz
Test Voltage:	Full Battery
Remark:	Temp 23 Humi: 45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1855.262500	56.85	---	74.00	17.15	100.0	V	25.0	5.0
1855.262500	---	50.43	54.00	3.57	100.0	V	25.0	5.0
2782.375000	---	49.05	54.00	4.95	100.0	V	147.0	7.9
2783.212500	61.72	---	74.00	12.28	100.0	V	147.0	7.9
3710.325000	---	47.11	54.00	6.89	100.0	V	256.0	9.6
3711.162500	58.62	---	74.00	15.38	100.0	V	209.0	9.6

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

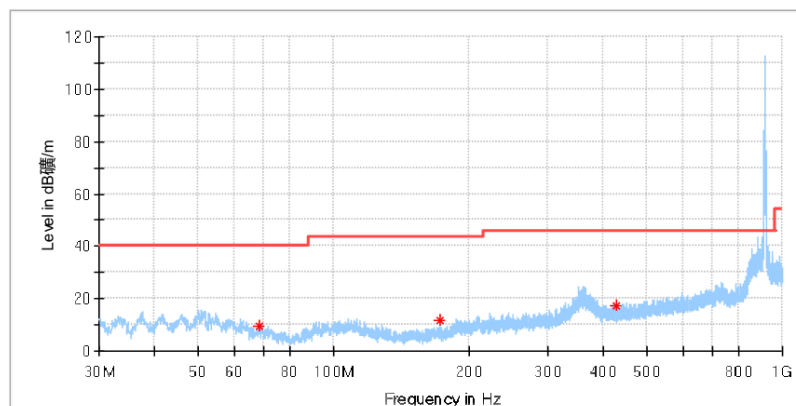
Test

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Test Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
Test Mode:	FSK FHSS 150K Low CH_902.4MHz
Test Voltage::	Full Battery
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
68.121000	9.57	---	40.00	30.43	100.0	H	286.0	-21.5
172.784000	11.76	---	43.50	31.74	100.0	H	245.0	-21.4
426.196500	17.13	---	46.00	28.87	100.0	H	72.0	-13.6

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6:08:10 PM

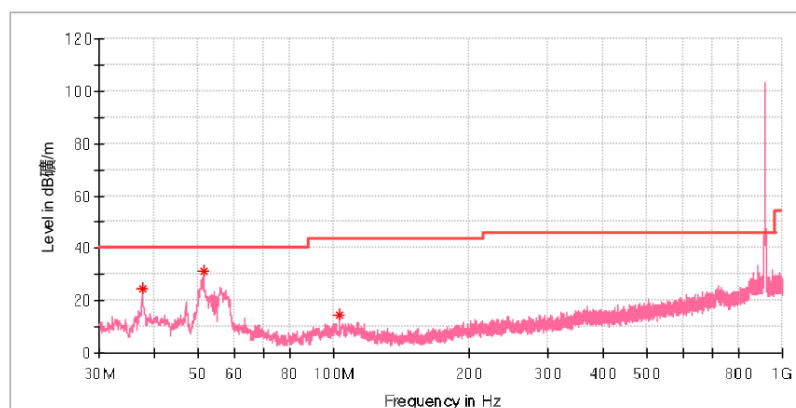
Test

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Test Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
Test Mode:	FSK FHSS 150K Low CH_902.4MHz
Test Voltage:	Full Battery
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.469000	24.72	---	40.00	15.28	100.0	V	5.0	-21.3
51.437000	31.03	---	40.00	8.97	100.0	V	57.0	-18.6
103.089500	14.70	---	43.50	28.80	100.0	V	292.0	-19.2

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6:08:10 PM

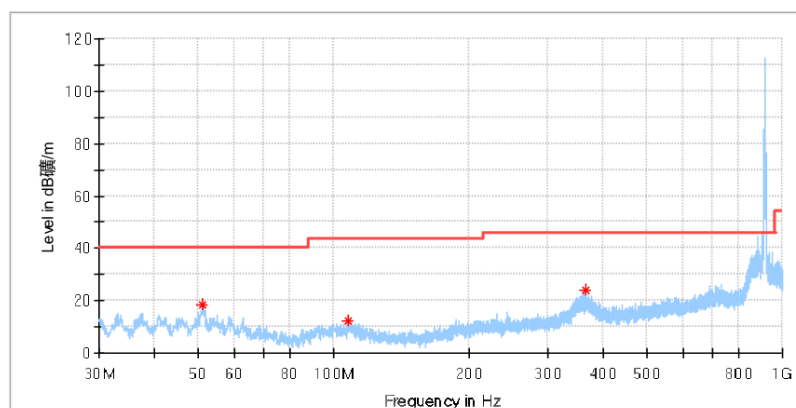
Test

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Test Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
Test Mode:	FSK FHSS 150K High CH_927.6MHz
Test Voltage::	Full Battery
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
51.097500	18.62	---	40.00	21.38	100.0	H	95.0	-18.6
107.988000	12.05	---	43.50	31.45	100.0	H	78.0	-19.3
363.340500	23.77	---	46.00	22.23	100.0	H	95.0	-14.9

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6:08:10 PM

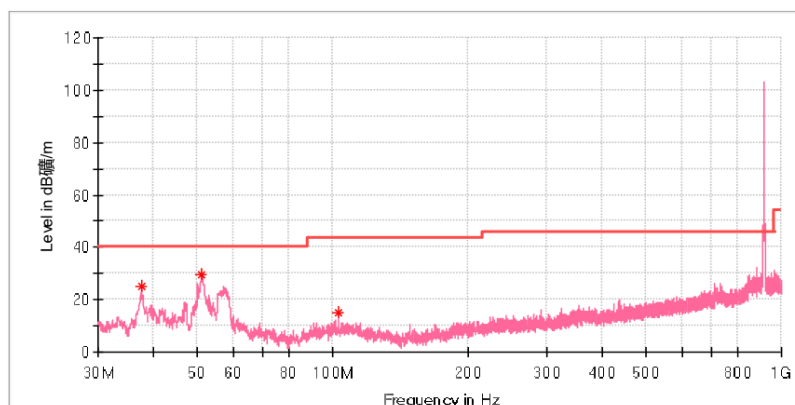
Test

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Test Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
Test Mode:	FSK FHSS 150K High CH_927.6MHz
Test Voltage:	Full Battery
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.469000	25.25	—	40.00	14.75	100.0	V	282.0	-21.3
50.952000	29.41	—	40.00	10.59	100.0	V	219.0	-18.6
103.089500	14.88	—	43.50	28.62	100.0	V	3.0	-19.2

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6:08:10 PM

1GHz to 10GHz

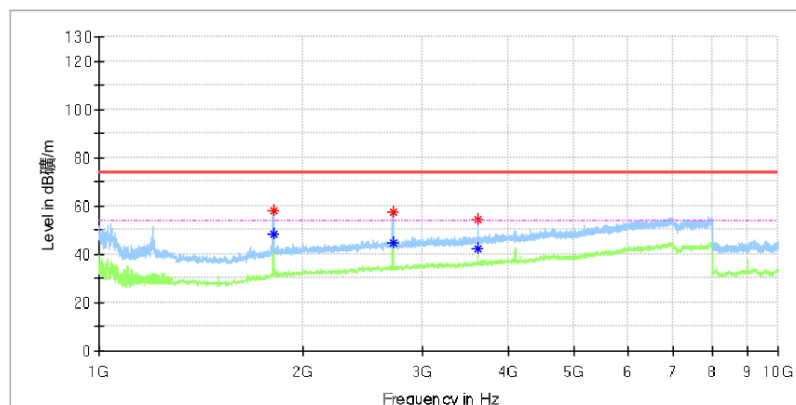
Test

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Test Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
Test Mode:	FSK FHSS 150K Low CH_902.4MHz
Test Voltage::	Full Battery
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1805.012500	57.86	---	74.00	16.14	100.0	H	149.0	4.8
1805.012500	---	48.33	54.00	5.68	100.0	H	149.0	4.8
2707.000000	---	44.93	54.00	9.07	100.0	H	130.0	7.6
2707.000000	57.71	---	74.00	16.29	100.0	H	130.0	7.6
3608.987500	---	42.48	54.00	11.52	100.0	H	61.0	9.4
3608.987500	54.65	---	74.00	19.35	100.0	H	61.0	9.4

17/3/2020

3:25:52 PM

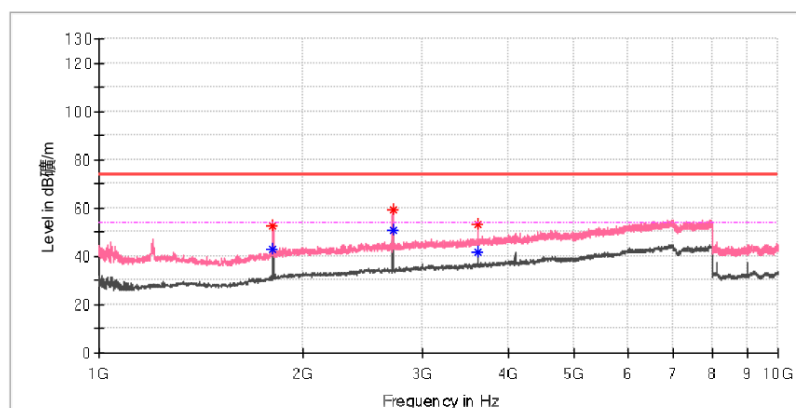
Test

2 / 6

Test Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
Test Mode:	FSK FHSS 150K Low CH_902.4MHz
Test Voltage::	Full Battery
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1804.175000	---	42.89	54.00	11.11	100.0	V	302.0	4.7
1804.175000	52.86	---	74.00	21.14	100.0	V	302.0	4.7
2707.000000	---	50.56	54.00	3.44	100.0	V	140.0	7.6
2707.000000	59.45	---	74.00	14.55	100.0	V	140.0	7.6
3608.987500	---	41.82	54.00	12.18	100.0	V	37.0	9.4
3609.825000	53.05	---	74.00	20.95	100.0	V	55.0	9.4

17/3/2020

3:25:52 PM

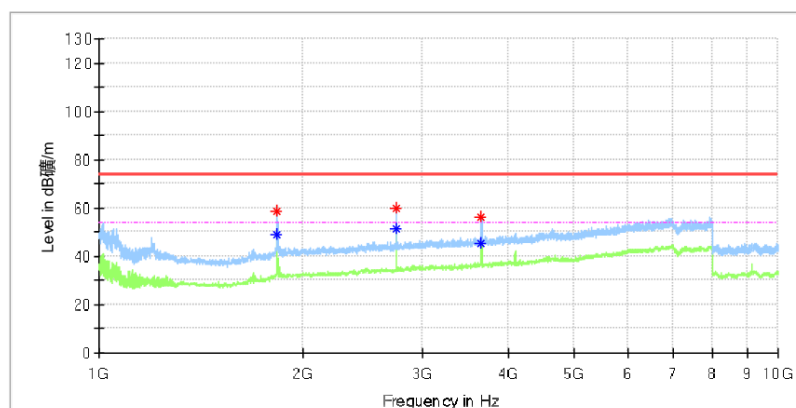
Test

3 / 6

Test Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
Test Mode:	FSK FHSS 150K Mid CH_914.8MHz
Test Voltage::	Full Battery
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1829.300000	58.95	---	74.00	15.05	100.0	H	145.0	4.9
1829.300000	---	48.89	54.00	5.11	100.0	H	145.0	4.9
2744.687500	59.79	---	74.00	14.21	100.0	H	230.0	7.8
2744.687500	---	50.23	54.00	3.77	100.0	H	230.0	7.8
3658.400000	---	45.59	54.00	8.41	100.0	H	183.0	9.4
3658.400000	56.19	---	74.00	17.81	100.0	H	183.0	9.4

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3:25:52 PM

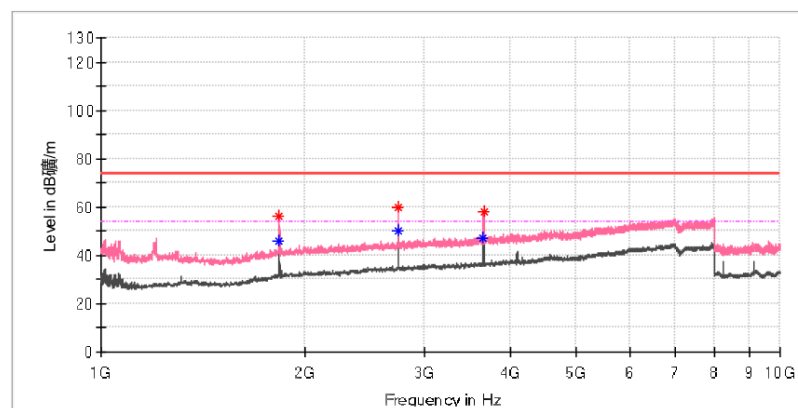
Test

4 / 6

Test Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
Test Mode:	FSK FHSS 150K Mid CH_914.8MHz
Test Voltage:	Full Battery
Remark:	Temp 23 Humi: 45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1829.300000	---	46.00	54.00	8.00	100.0	V	148.0	4.9
1829.300000	56.20	---	74.00	17.80	100.0	V	148.0	4.9
2743.850000	59.84	---	74.00	14.16	100.0	V	148.0	7.8
2744.687500	---	50.10	54.00	3.90	100.0	V	148.0	7.8
3658.400000	---	47.37	54.00	6.63	100.0	V	261.0	9.4
3659.237500	58.18	---	74.00	15.82	100.0	V	280.0	9.4

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3:25:52 PM

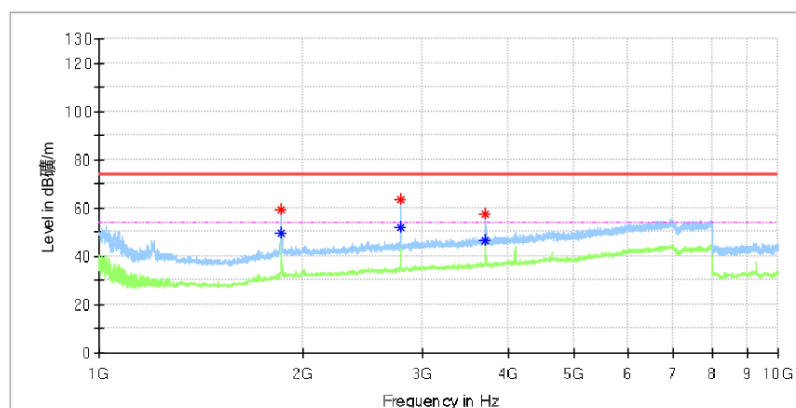
Test

5 / 6

Test Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
Test Mode:	FSK FHSS 150K High CH_927.6MHz
Test Voltage::	Full Battery
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1855.262500	---	49.45	54.00	4.55	100.0	H	353.0	5.0
1855.262500	59.51	---	74.00	14.49	100.0	H	353.0	5.0
2783.212500	63.68	---	74.00	10.32	100.0	H	213.0	7.9
2783.212500	---	50.80	54.00	3.20	100.0	H	213.0	7.9
3710.325000	---	46.46	54.00	7.54	100.0	H	316.0	9.6
3711.162500	57.68	---	74.00	16.32	100.0	H	316.0	9.6

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3:25:52 PM

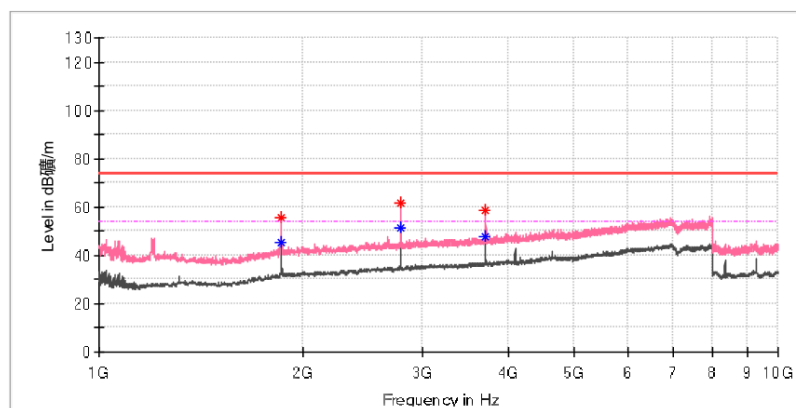
Test

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Test Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
Test Mode:	FSK FHSS 150K High CH_927.6MHz
Test Voltage:	Full Battery
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1855.262500	---	45.09	54.00	8.91	100.0	V	157.0	5.0
1855.262500	55.43	---	74.00	18.57	100.0	V	157.0	5.0
2783.212500	61.68	---	74.00	12.32	100.0	V	147.0	7.9
2783.212500	---	50.37	54.00	3.63	100.0	V	147.0	7.9
3711.162500	58.42	---	74.00	15.58	100.0	V	260.0	9.6
3711.162500	---	47.87	54.00	6.13	100.0	V	260.0	9.6

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FHSs#4 (DataRate: 250Kbps)
30 MHz to 1GHz

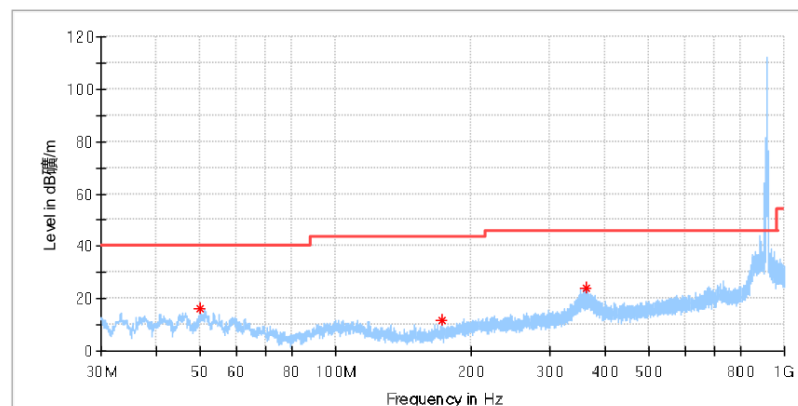
Test

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Test Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
Test Mode:	FSK FHSS 250K Low CH_902.5MHz
Test Voltage::	Full Battery
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.933500	16.36	---	40.00	23.64	100.0	H	308.0	-18.6
172.784000	11.52	---	43.50	31.98	100.0	H	243.0	-21.4
361.061000	23.92	---	46.00	22.08	100.0	H	89.0	-14.9

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5:57:42 PM

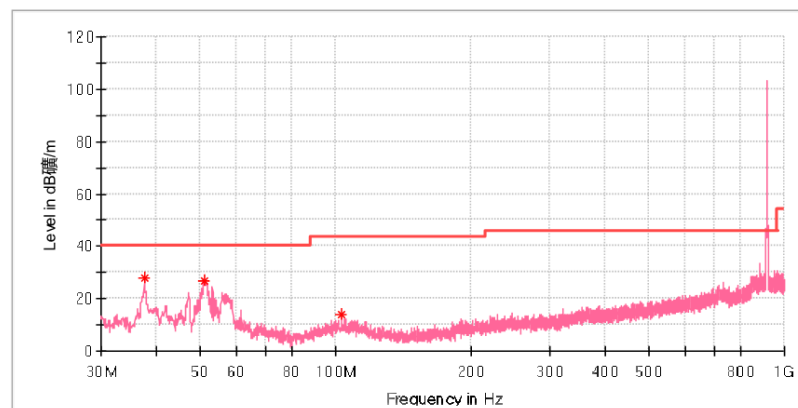
Test

2 / 4

Test Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
Test Mode:	FSK FHSS 250K Low CH_902.5MHz
Test Voltage:	Full Battery
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.517500	28.17	---	40.00	11.83	100.0	V	271.0	-21.2
50.952000	27.05	---	40.00	12.95	100.0	V	230.0	-18.6
103.089500	13.86	---	43.50	29.64	100.0	V	17.0	-19.2

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5:57:42 PM

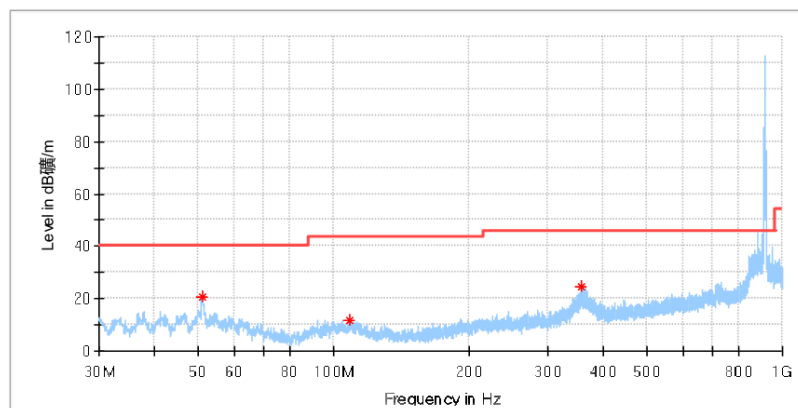
Test

3 / 4

Test Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
Test Mode:	FSK FHSS 250K High CH_927.5MHz
Test Voltage::	Full Battery
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
50.903500	20.70	---	40.00	19.30	100.0	H	271.0	-18.6
108.667000	11.93	---	43.50	31.57	100.0	H	176.0	-19.3
355.192500	24.42	---	46.00	21.58	100.0	H	111.0	-15.1

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5:57:42 PM

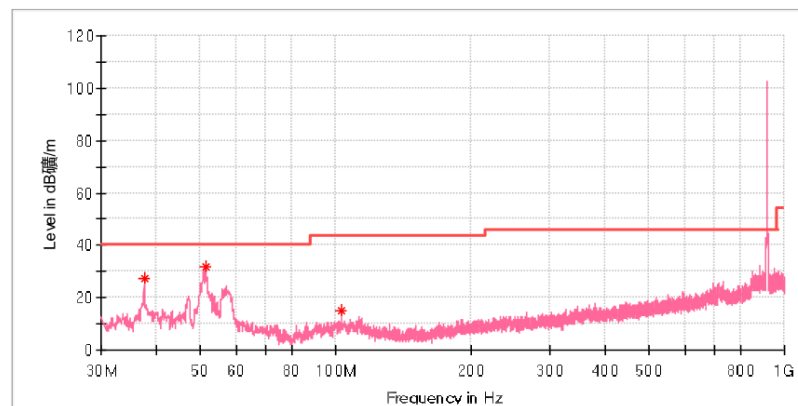
Test

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Test Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
Test Mode:	FSK FHSS 250K High CH_927.5MHz
Test Voltage:	Full Battery
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.469000	27.29	—	40.00	12.71	100.0	V	148.0	-21.3
51.243000	31.88	—	40.00	8.12	100.0	V	133.0	-18.6
103.089500	15.21	—	43.50	28.29	100.0	V	68.0	-19.2

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1GHz to 10GHz

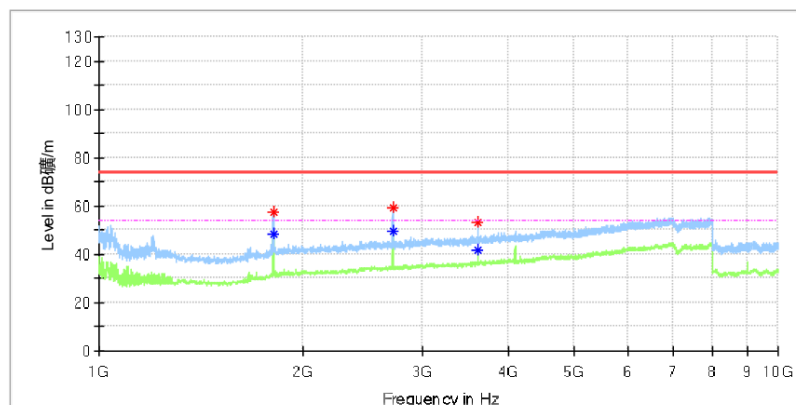
Test

1 / 6

Test Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
Test Mode:	FSK FHSS 250K Low CH_902.5MHz
Test Voltage::	Full Battery
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1805.012500	---	48.09	54.00	5.91	100.0	H	93.0	4.8
1805.012500	57.74	---	74.00	16.26	100.0	H	93.0	4.8
2707.000000	59.23	---	74.00	14.77	100.0	H	131.0	7.6
2707.000000	---	49.47	54.00	4.53	100.0	H	131.0	7.6
3609.825000	---	41.92	54.00	12.08	100.0	H	150.0	9.4
3609.825000	53.43	---	74.00	20.57	100.0	H	150.0	9.4

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4:15:17 PM

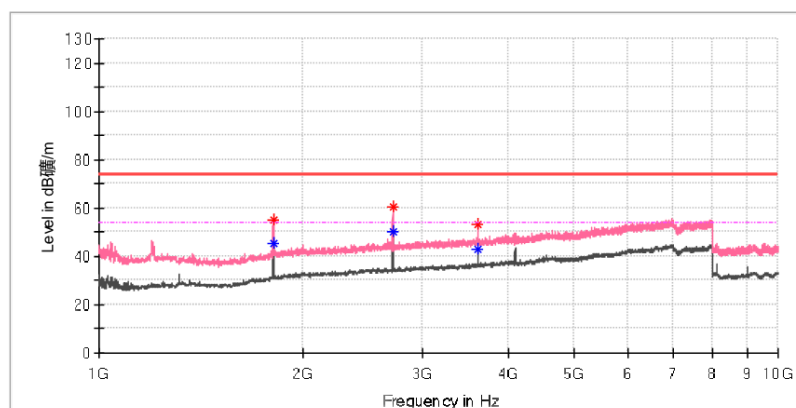
Test

2 / 6

Test Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
Test Mode:	FSK FHSS 250K Low CH_902.5MHz
Test Voltage::	Full Battery
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1805.012500	---	45.47	54.00	8.53	100.0	V	146.0	4.8
1805.012500	54.83	---	74.00	19.17	100.0	V	146.0	4.8
2707.837500	---	50.40	54.00	3.60	100.0	V	146.0	7.6
2707.837500	60.27	---	74.00	13.73	100.0	V	146.0	7.6
3609.825000	53.20	---	74.00	20.80	100.0	V	33.0	9.4
3609.825000	---	42.81	54.00	11.19	100.0	V	33.0	9.4

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4:15:17 PM

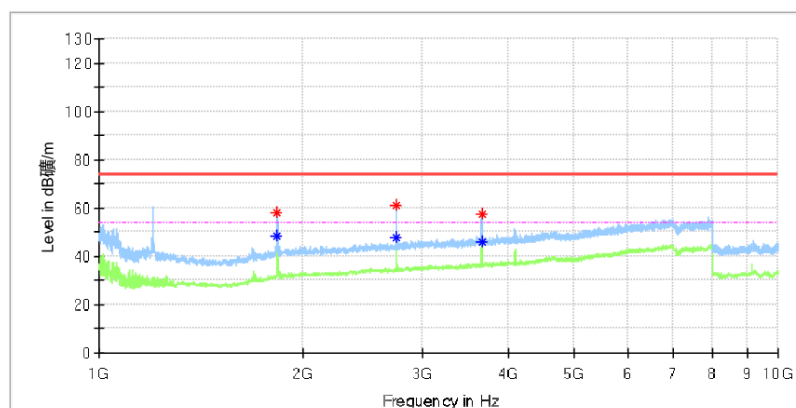
Test

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Test Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
TestMode:	FSK FHSS 250K Mid CH_915MHz
Test Voltage::	Full Battery
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1829.300000	---	48.38	54.00	5.62	100.0	H	353.0	4.9
1830.137500	58.30	---	74.00	15.70	100.0	H	147.0	4.9
2744.687500	---	47.59	54.00	6.41	100.0	H	346.0	7.8
2744.687500	60.89	---	74.00	13.12	100.0	H	346.0	7.8
3659.237500	57.40	---	74.00	16.60	100.0	H	0.0	9.4
3660.075000	---	46.12	54.00	7.88	100.0	H	157.0	9.4

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4:15:17 PM

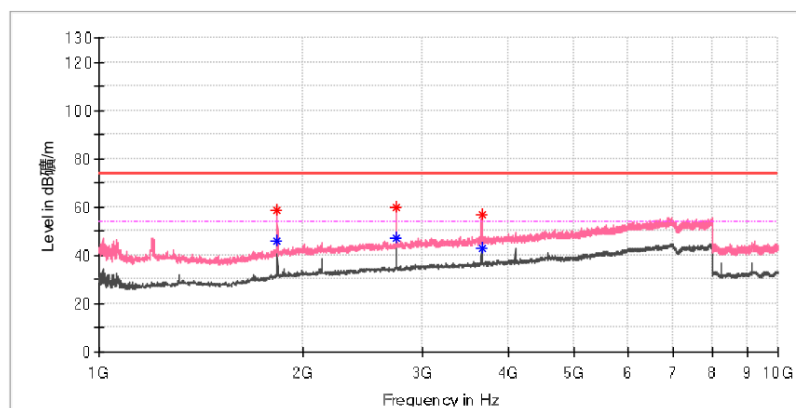
Test

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Test Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
Test Mode:	FSK FHSS 250K Mid CH_915MHz
Test Voltage:	Full Battery
Remark:	Temp 23 Humi: 45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1830.137500	58.93	---	74.00	15.07	100.0	V	155.0	4.9
1830.137500	---	46.19	54.00	7.81	100.0	V	155.0	4.9
2744.687500	59.88	---	74.00	14.12	100.0	V	103.0	7.8
2744.687500	---	47.02	54.00	6.98	100.0	V	103.0	7.8
3660.075000	---	42.71	54.00	11.29	100.0	V	268.0	9.4
3660.075000	56.70	---	74.00	17.30	100.0	V	268.0	9.4

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4:15:17 PM

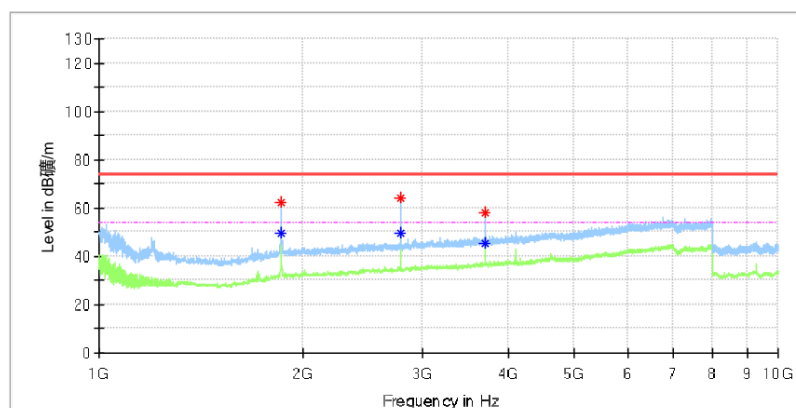
Test

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Test Report

EUT Information

EUT Name: Spotlight Battery
Model: 5B11S8
Test Mode: FSK FHSS 250K High CH_927.5MHz
Test Voltage: Full Battery
Remark: Temp 23 Humi:45%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1854.425000	62.15	---	74.00	11.85	100.0	H	145.0	5.0
1854.425000	---	49.81	54.00	4.19	100.0	H	145.0	5.0
2782.375000	63.87	---	74.00	10.13	100.0	H	136.0	7.9
2782.375000	---	49.75	54.00	4.25	100.0	H	136.0	7.9
3709.487500	---	45.39	54.00	8.61	100.0	H	357.0	9.6
3709.487500	58.21	---	74.00	15.79	100.0	H	357.0	9.6

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4:15:17 PM

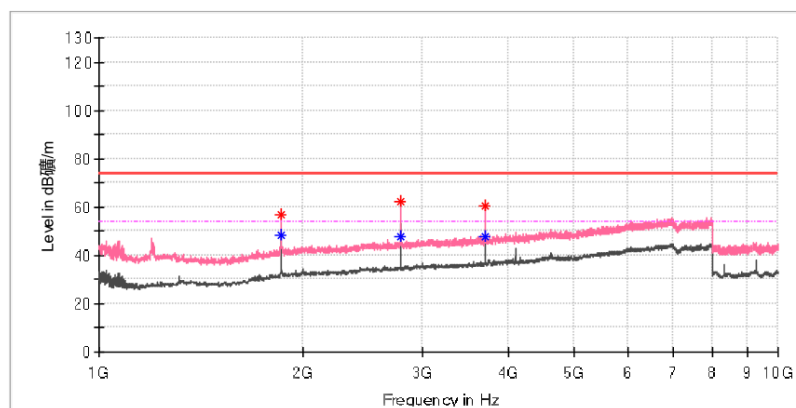
Test

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Test Report

EUT Information

EUT Name:	Spotlight Battery
Model:	5B11S8
Test Mode:	FSK FHSS 250K High CH_927.5MHz
Test Voltage:	Full Battery
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1854.425000	---	48.25	54.00	5.75	100.0	V	158.0	5.0
1854.425000	57.11	---	74.00	16.89	100.0	V	158.0	5.0
2781.537500	---	47.57	54.00	6.43	100.0	V	224.0	7.9
2782.375000	62.36	---	74.00	11.64	100.0	V	167.0	7.9
3710.325000	---	47.55	54.00	6.45	100.0	V	262.0	9.6
3710.325000	60.31	---	74.00	13.69	100.0	V	262.0	9.6

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