

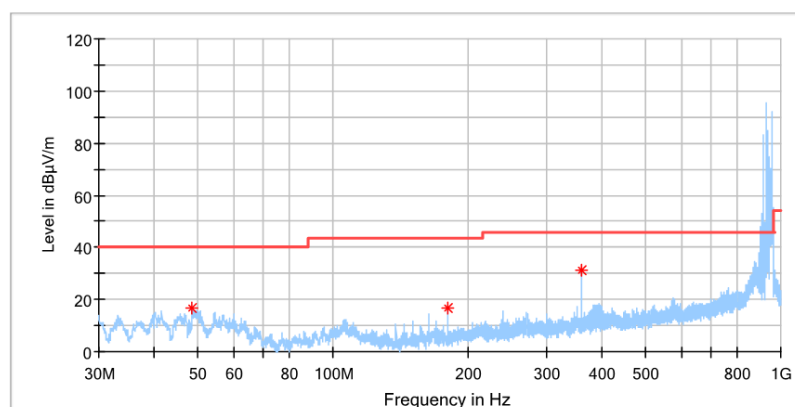
Test

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Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_High Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:54%
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)
48.527000	16.93	---	40.00	23.07	100.0	H	138.0	-18.7
179.962000	16.54	---	43.50	26.96	100.0	H	255.0	-20.8
359.945500	31.50	---	46.00	14.50	100.0	H	329.0	-15.0

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10:59:11 PM

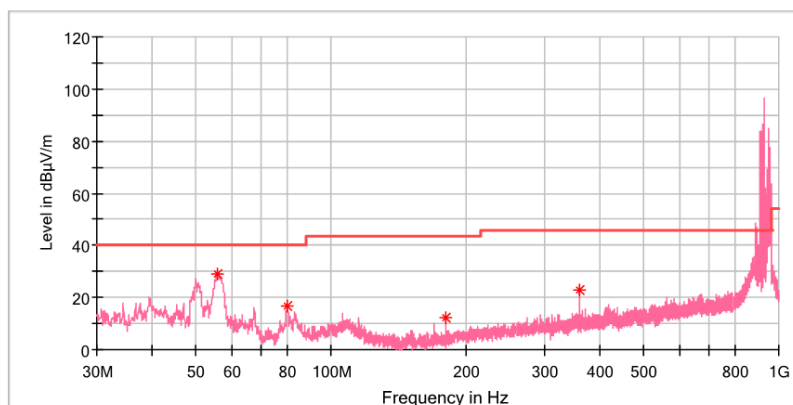
Test

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Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_High Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:54%
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)
55.899000	29.30	---	40.00	10.70	100.0	V	337.0	-18.8
79.809500	16.83	---	40.00	23.17	100.0	V	246.0	-23.8
179.962000	12.56	---	43.50	30.94	100.0	V	229.0	-20.8
359.945500	23.01	---	46.00	22.99	100.0	V	187.0	-15.0

23/10/2019

10:59:11 PM

1GHz to 18GHz

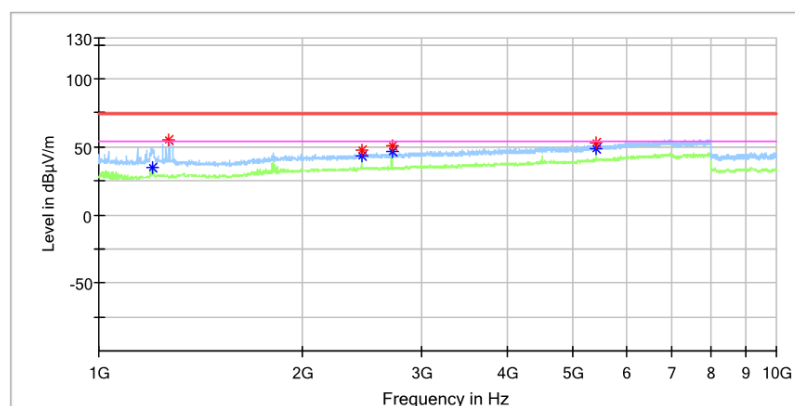
Test

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Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_Low Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:54%
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)
1202.000000	---	34.58	54.00	19.42	100.0	H	186.0	1.2
1270.500000	55.61	---	74.00	18.39	100.0	H	0.0	1.9
2440.675000	---	43.01	54.00	10.99	100.0	H	113.0	7.4
2440.675000	47.84	---	74.00	26.16	100.0	H	113.0	7.4
2707.000000	---	46.83	54.00	7.17	100.0	H	329.0	7.6
2707.000000	50.58	---	74.00	23.42	100.0	H	329.0	7.6
5414.637500	52.86	---	74.00	21.14	100.0	H	271.0	13.5
5414.637500	---	48.26	54.00	5.74	100.0	H	271.0	13.5

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7:45:53 PM

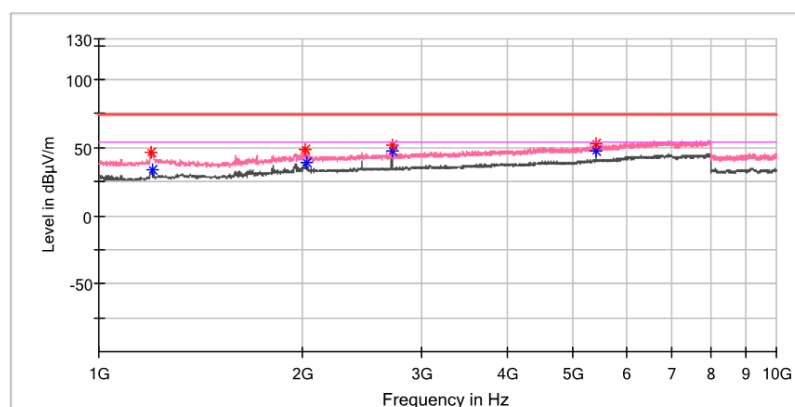
Test

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Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_Low Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:54%
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)
1195.500000	46.82	---	74.00	27.18	100.0	V	325.0	1.1
1202.000000	---	33.19	54.00	20.81	100.0	V	301.0	1.2
2021.925000	48.99	---	74.00	25.01	100.0	V	179.0	6.0
2024.437500	---	38.92	54.00	15.08	100.0	V	179.0	6.0
2707.000000	---	47.81	54.00	6.19	100.0	V	292.0	7.6
2707.000000	52.04	---	74.00	21.96	100.0	V	292.0	7.6
5412.962500	52.56	---	74.00	21.44	100.0	V	292.0	13.5
5412.962500	---	47.85	54.00	6.15	100.0	V	292.0	13.5

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7:45:53 PM

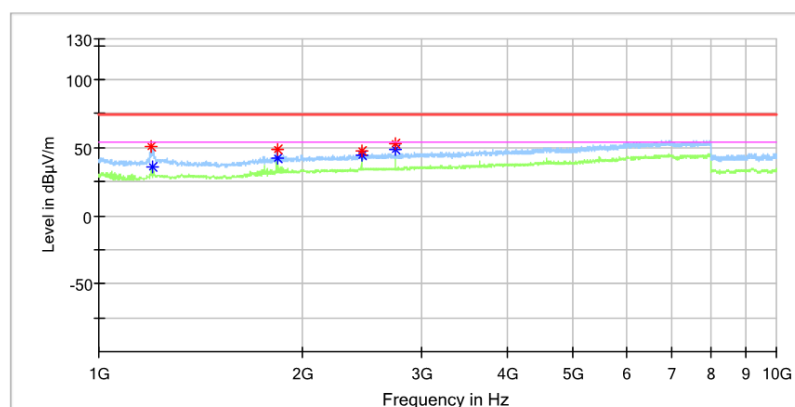
Test

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Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_Mid Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:54%
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)
1196.000000	50.74	---	74.00	23.26	100.0	H	341.0	1.1
1198.000000	---	35.85	54.00	18.15	100.0	H	290.0	1.1
1831.812500	---	42.72	54.00	11.28	100.0	H	222.0	4.9
1832.650000	48.51	---	74.00	25.49	100.0	H	222.0	4.9
2440.675000	---	44.61	54.00	9.39	100.0	H	55.0	7.4
2441.512500	47.87	---	74.00	26.13	100.0	H	55.0	7.4
2743.012500	52.49	---	74.00	21.51	100.0	H	329.0	7.8
2743.012500	---	48.74	54.00	5.26	100.0	H	329.0	7.8

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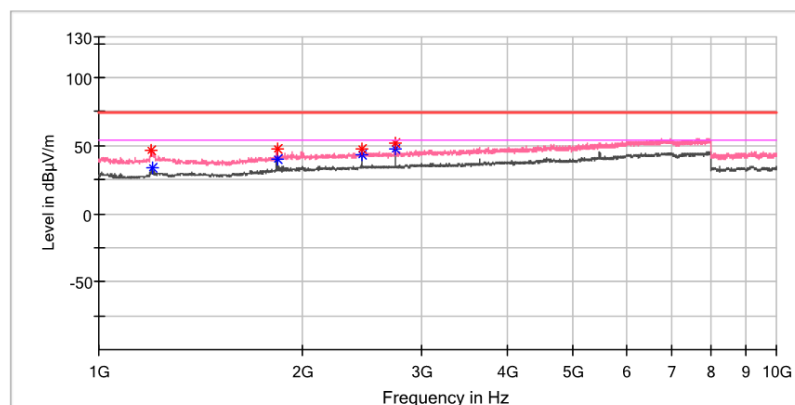
Test

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Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_Mid Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:54%
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)
1197.500000	46.34	---	74.00	27.66	100.0	V	83.0	1.1
1202.000000	---	33.61	54.00	20.39	100.0	V	256.0	1.2
1832.650000	---	40.00	54.00	14.00	100.0	V	339.0	4.9
1832.650000	47.18	---	74.00	26.82	100.0	V	339.0	4.9
2440.675000	---	43.19	54.00	10.81	100.0	V	358.0	7.4
2440.675000	48.02	---	74.00	25.98	100.0	V	358.0	7.4
2743.012500	---	47.93	54.00	6.07	100.0	V	347.0	7.8
2743.012500	51.40	---	74.00	22.60	100.0	V	347.0	7.8

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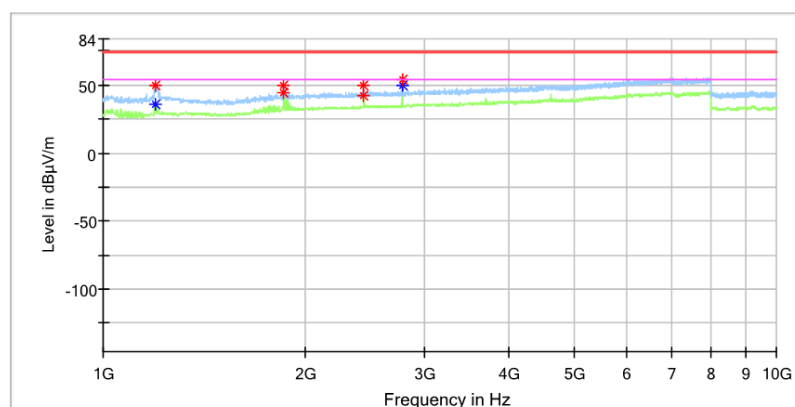
Test

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Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_High Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:54%
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)
1195.500000	49.26	---	74.00	24.74	100.0	H	274.0	1.1
1198.500000	---	35.91	54.00	18.09	100.0	H	292.0	1.1
1853.587500	49.91	---	74.00	24.09	100.0	H	301.0	5.0
1854.425000	44.49	---	74.00	29.51	100.0	H	228.0	5.0
2439.000000	42.62	---	74.00	31.38	100.0	H	25.0	7.4
2440.675000	50.02	---	74.00	23.98	100.0	H	115.0	7.4
2779.862500	53.59	---	74.00	20.41	100.0	H	329.0	7.9
2779.862500	---	49.41	54.00	4.59	100.0	H	329.0	7.9

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7:45:53 PM

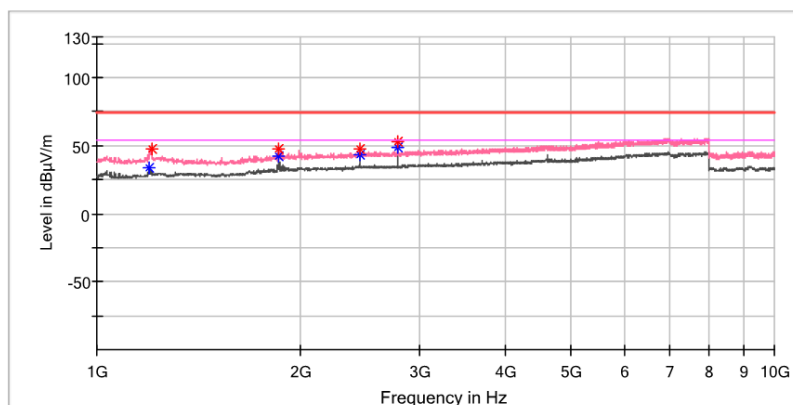
Test

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Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_High Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:54%
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)
1196.000000	---	33.43	54.00	20.57	100.0	V	254.0	1.1
1205.000000	48.09	---	74.00	25.91	100.0	V	203.0	1.2
1856.937500	---	42.28	54.00	11.72	100.0	V	339.0	5.1
1856.937500	47.16	---	74.00	26.84	100.0	V	339.0	5.1
2440.675000	---	43.08	54.00	10.92	100.0	V	358.0	7.4
2440.675000	47.15	---	74.00	26.85	100.0	V	358.0	7.4
2779.862500	52.78	---	74.00	21.22	100.0	V	282.0	7.9
2779.862500	---	49.12	54.00	4.88	100.0	V	282.0	7.9

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

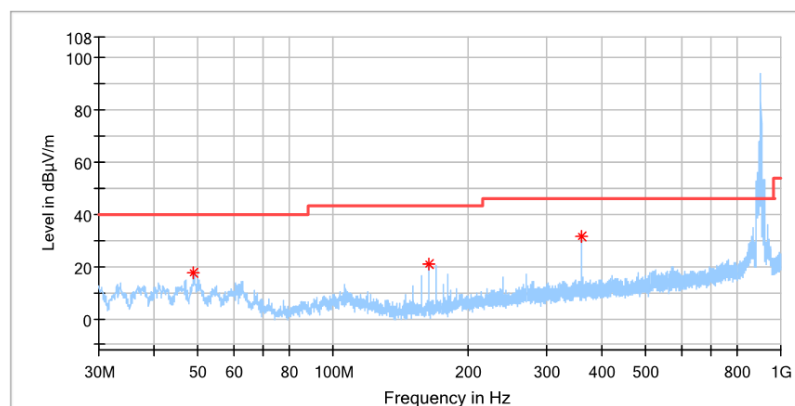
Test

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Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_Low Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:54%
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)
48.769500	17.31	---	40.00	22.69	100.0	H	21.0	-18.6
163.908500	20.82	---	43.50	22.68	100.0	H	270.0	-21.9
359.945500	31.38	---	46.00	14.62	100.0	H	336.0	-15.0

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10:47:31 PM

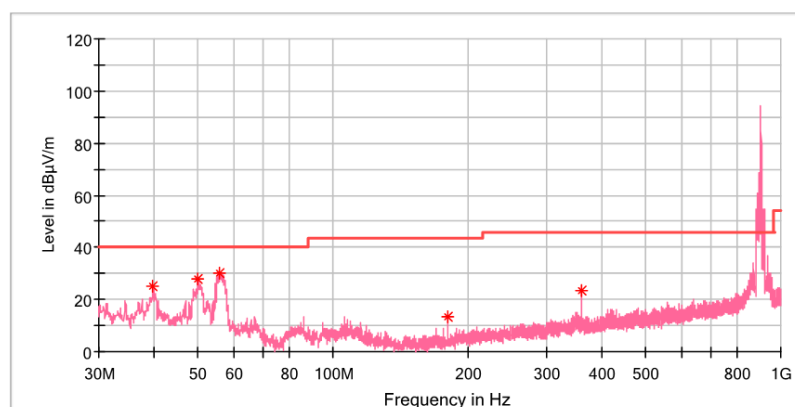
Test

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Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_Low Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:54%
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	24.97	---	40.00	15.03	100.0	V	23.0	-20.5
49.982000	28.12	---	40.00	11.88	100.0	V	168.0	-18.6
55.608000	29.96	---	40.00	10.04	100.0	V	0.0	-18.8
180.010500	13.33	---	43.50	30.17	100.0	V	187.0	-20.8
359.945500	23.31	---	46.00	22.69	100.0	V	177.0	-15.0

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10:47:31 PM

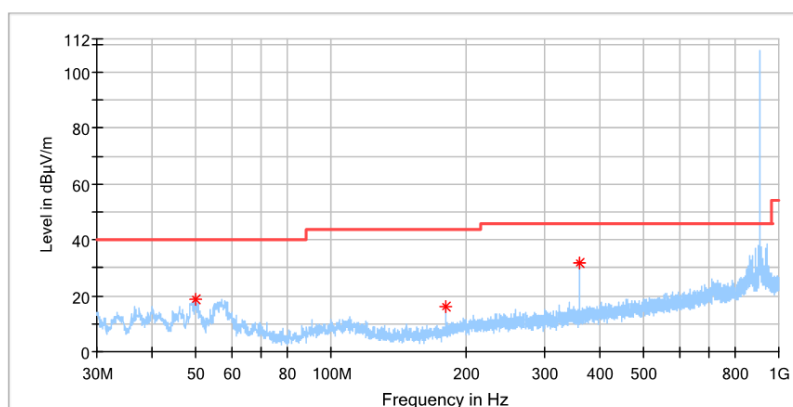
Test

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Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_mid Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23.9 Humi:48%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.982000	18.85	---	40.00	21.15	100.0	H	329.0	-18.6
179.962000	16.08	---	43.50	27.42	100.0	H	280.0	-20.8
359.945500	31.97	---	46.00	14.03	100.0	H	287.0	-15.0

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10:47:31 PM

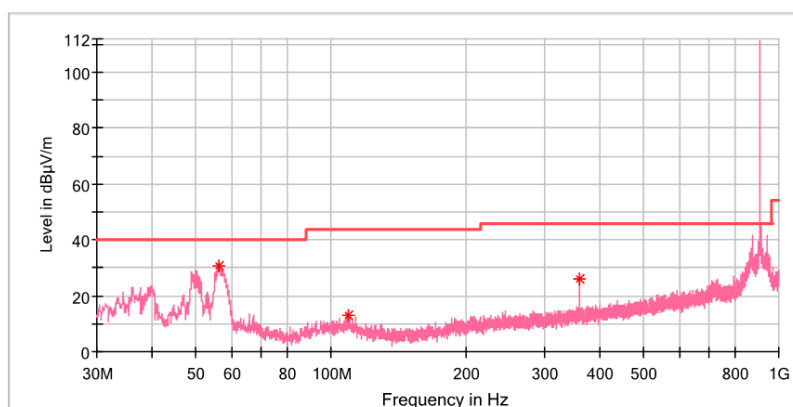
Test

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Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_mid Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23.9 Humi:48%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
56.141500	30.49	---	40.00	9.51	100.0	V	8.0	-18.9
109.588500	12.85	---	43.50	30.65	100.0	V	4.0	-19.4
359.945500	25.88	---	46.00	20.12	100.0	V	16.0	-15.0

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10:47:31 PM

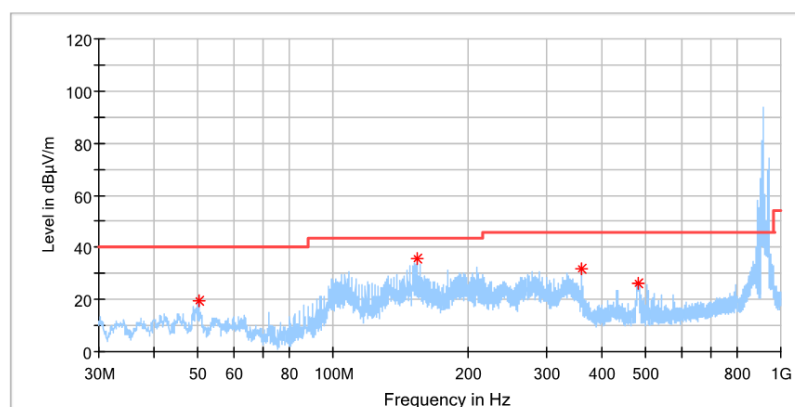
Test

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Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_High Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:54%
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)
50.176000	19.27	---	40.00	20.73	100.0	H	116.0	-18.6
154.402500	35.77	---	43.50	7.73	100.0	H	257.0	-22.3
359.994000	31.79	---	46.00	14.21	100.0	H	347.0	-15.0
481.098500	26.23	---	46.00	19.77	100.0	H	141.0	-12.5

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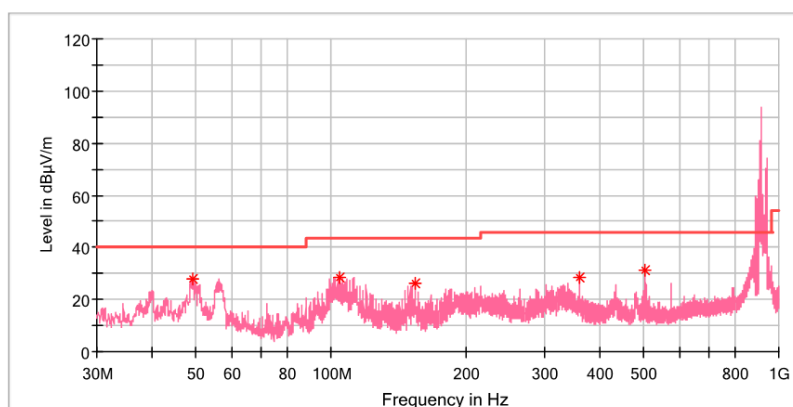
Test

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Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_High Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:54%
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)
49.157500	27.90	---	40.00	12.10	100.0	V	33.0	-18.6
104.399000	28.60	---	43.50	14.90	100.0	V	227.0	-19.1
154.208500	26.09	---	43.50	17.41	100.0	V	165.0	-22.3
359.994000	28.28	---	46.00	17.72	100.0	V	227.0	-15.0
503.069000	31.23	---	46.00	14.77	100.0	V	106.0	-12.2

23/10/2019

10:47:31 PM

1GHz to 18GHz

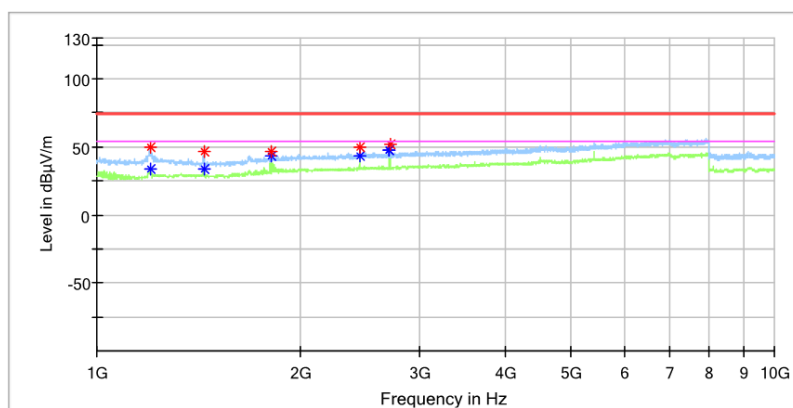
Test

1 / 6

Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_Low Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:54%
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)
1198.000000	---	34.15	54.00	19.85	100.0	H	227.0	1.1
1198.500000	49.41	---	74.00	24.59	100.0	H	233.0	1.1
1439.862500	---	33.42	54.00	20.58	100.0	H	33.0	1.5
1440.700000	46.66	---	74.00	27.34	100.0	H	33.0	1.5
1808.362500	---	43.22	54.00	10.78	100.0	H	222.0	4.8
1808.362500	46.99	---	74.00	27.01	100.0	H	222.0	4.8
2440.675000	---	43.08	54.00	10.92	100.0	H	33.0	7.4
2440.675000	49.78	---	74.00	24.22	100.0	H	33.0	7.4
2706.162500	---	48.06	54.00	5.94	100.0	H	232.0	7.5
2706.162500	---	48.06	54.00	5.94	100.0	H	232.0	7.5
2707.000000	51.57	---	74.00	22.43	100.0	H	329.0	7.6

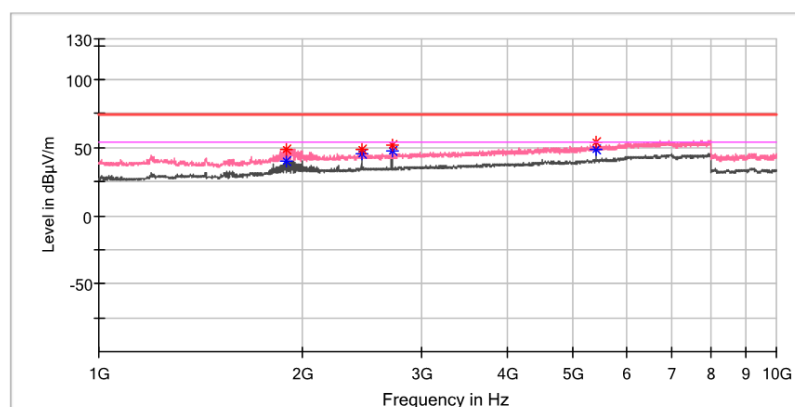
Test

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Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_Low Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:54%
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)
1895.462500	---	40.66	54.00	13.34	100.0	V	218.0	5.5
1895.462500	48.96	---	74.00	25.04	100.0	V	218.0	5.5
2440.675000	---	45.58	54.00	8.42	100.0	V	301.0	7.4
2440.675000	48.89	---	74.00	25.11	100.0	V	301.0	7.4
2707.000000	---	47.74	54.00	6.26	100.0	V	350.0	7.6
2707.000000	52.39	---	74.00	21.61	100.0	V	350.0	7.6
5413.800000	53.72	---	74.00	20.28	100.0	V	355.0	13.5
5413.800000	---	48.27	54.00	5.73	100.0	V	355.0	13.5

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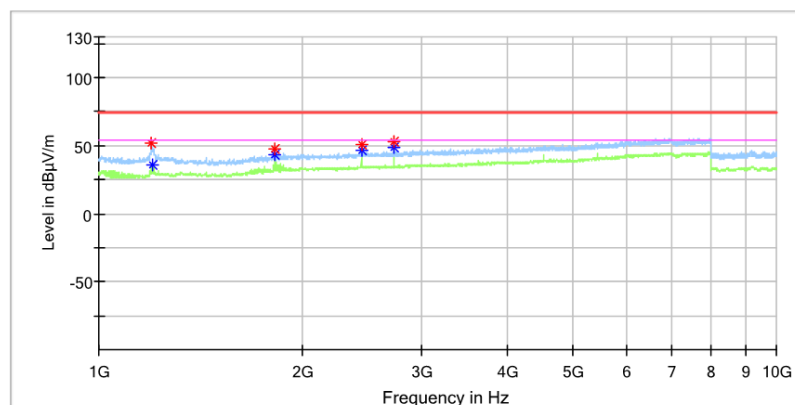
Test

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Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_Mid Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:54%
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)
1196.000000	51.78	---	74.00	22.22	100.0	H	166.0	1.1
1199.500000	---	35.76	54.00	18.24	100.0	H	294.0	1.1
1820.925000	47.70	---	74.00	26.30	100.0	H	223.0	4.8
1820.925000	---	43.29	54.00	10.71	100.0	H	223.0	4.8
2440.675000	---	46.97	54.00	7.03	100.0	H	207.0	7.4
2440.675000	50.64	---	74.00	23.36	100.0	H	207.0	7.4
2725.425000	52.96	---	74.00	21.04	100.0	H	322.0	7.7
2725.425000	---	49.23	54.00	4.77	100.0	H	322.0	7.7

22/10/2019

9:41:15 PM

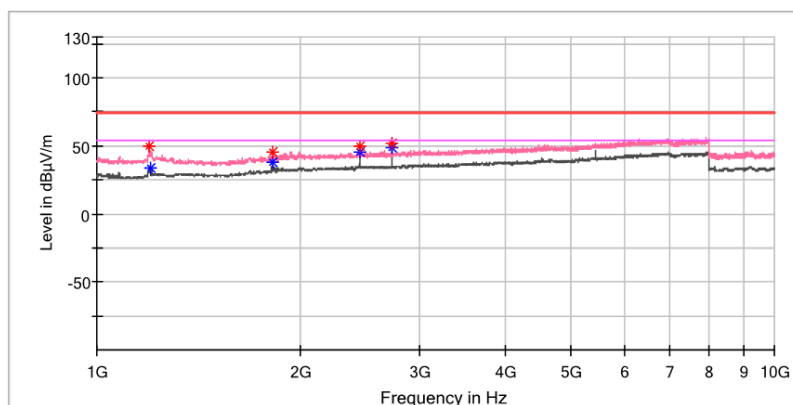
Test

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Test Report

EUT Information

EUT Name: Ring Smart Lightbulb(PAR38)
Model: PAR38
Test Mode: TX_Mid Channel
Test Voltage:: DC 5V From USB
Remark: Temp 22 Humi:54%
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)
1196.500000	49.35	---	74.00	24.65	100.0	V	311.0	1.1
1199.500000	---	33.84	54.00	20.16	100.0	V	299.0	1.1
1820.087500	45.91	---	74.00	28.09	100.0	V	235.0	4.8
1820.925000	---	38.46	54.00	15.54	100.0	V	243.0	4.8
2440.675000	---	45.25	54.00	8.75	100.0	V	96.0	7.4
2440.675000	49.31	---	74.00	24.69	100.0	V	96.0	7.4
2725.425000	51.86	---	74.00	22.14	100.0	V	292.0	7.7
2725.425000	---	48.32	54.00	5.68	100.0	V	292.0	7.7

22/10/2019

9:41:15 PM

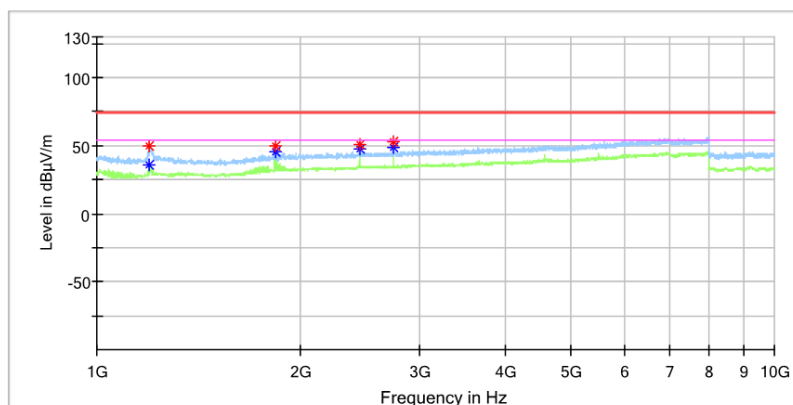
Test

5 / 6

Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_High Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:54%
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)
1196.000000	---	36.27	54.00	17.73	100.0	H	289.0	1.1
1196.500000	50.20	---	74.00	23.80	100.0	H	289.0	1.1
1833.487500	---	45.10	54.00	8.90	100.0	H	222.0	4.9
1833.487500	50.08	---	74.00	23.92	100.0	H	222.0	4.9
2440.675000	---	47.87	54.00	6.13	100.0	H	181.0	7.4
2440.675000	50.68	---	74.00	23.32	100.0	H	181.0	7.4
2743.850000	52.71	---	74.00	21.29	100.0	H	322.0	7.8
2744.687500	---	48.31	54.00	5.69	100.0	H	322.0	7.8

22/10/2019

9:41:15 PM

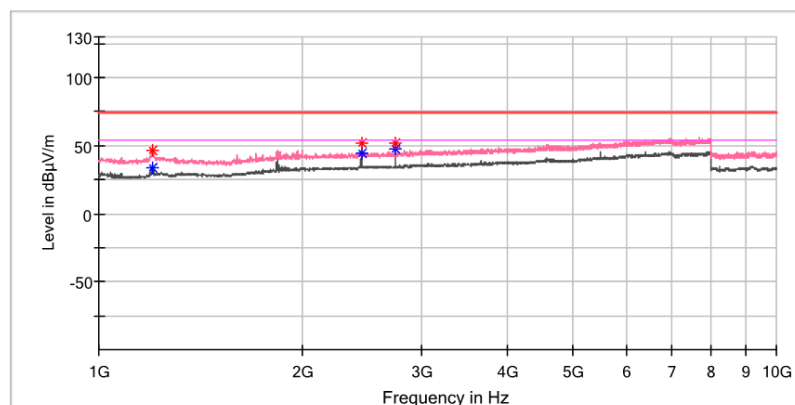
Test

6 / 6

Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_High Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:54%
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)
1199.500000	---	33.20	54.00	20.80	100.0	V	297.0	1.1
1203.500000	46.33	---	74.00	27.68	100.0	V	303.0	1.2
2442.350000	---	44.13	54.00	9.87	100.0	V	0.0	7.4
2442.350000	52.41	---	74.00	21.59	100.0	V	0.0	7.4
2743.850000	51.51	---	74.00	22.49	100.0	V	286.0	7.8
2744.687500	---	47.53	54.00	6.47	100.0	V	349.0	7.8

22/10/2019

9:41:15 PM

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

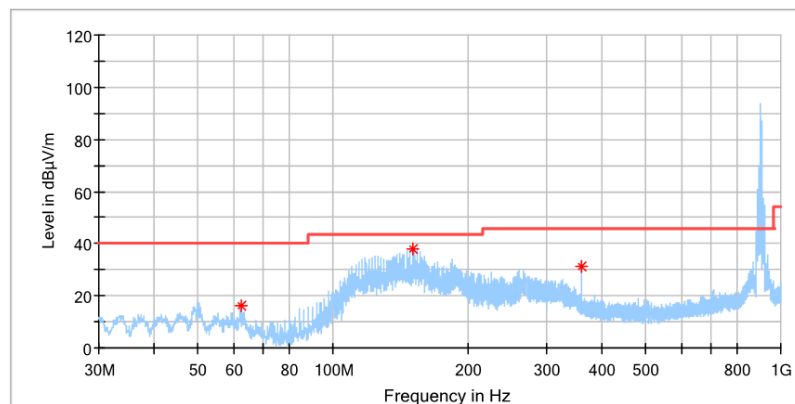
Test

1 / 6

Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_Low Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:54%
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)
62.398000	16.05	---	40.00	23.95	100.0	H	329.0	-19.8
150.474000	38.15	---	43.50	5.35	100.0	H	223.0	-22.5
359.994000	31.31	---	46.00	14.69	100.0	H	338.0	-15.0

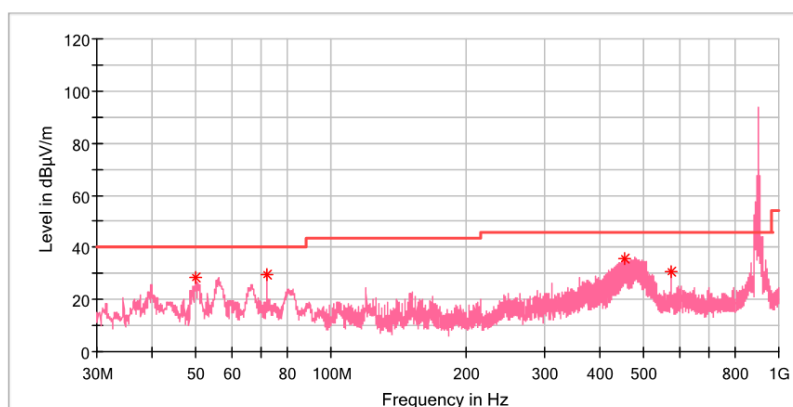
Test

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Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_Low Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:54%
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	28.71	---	40.00	11.29	100.0	V	28.0	-18.6
71.952500	29.52	---	40.00	10.48	100.0	V	216.0	-22.7
454.132500	35.61	---	46.00	10.39	100.0	V	4.0	-13.2
576.837500	30.93	---	46.00	15.07	100.0	V	273.0	-10.6

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7:21:54 PM

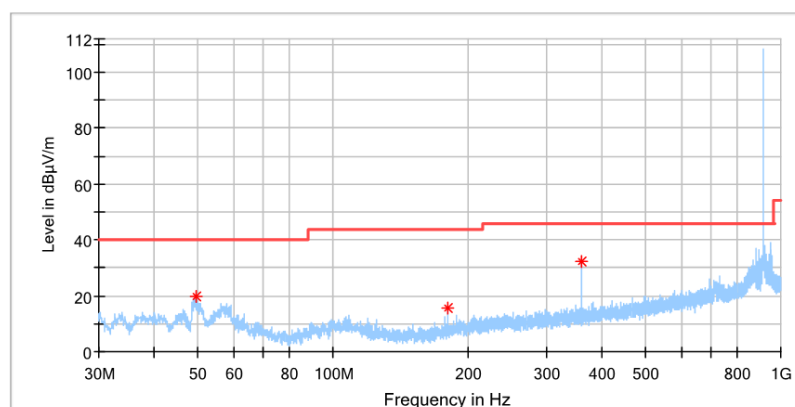
Test

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Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_mid Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23.9 Humi:48%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	DET 2 (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.448500	19.74	---	40.00	20.26	100.0	H	350.0	-18.6
179.962000	15.73	---	43.50	27.77	100.0	H	96.0	-20.8
359.945500	32.45	---	46.00	13.55	100.0	H	293.0	-15.0

23/10/2019

7:21:54 PM

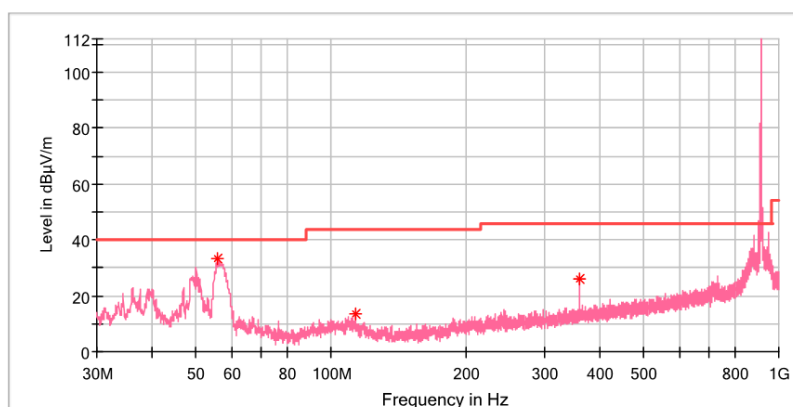
Test

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Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_mid Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23.9 Humi:48%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
55.996000	33.30	---	40.00	6.70	100.0	V	10.0	-18.8
113.226000	13.55	---	43.50	29.95	100.0	V	240.0	-19.8
359.945500	26.08	---	46.00	19.93	100.0	V	4.0	-15.0

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7:21:54 PM

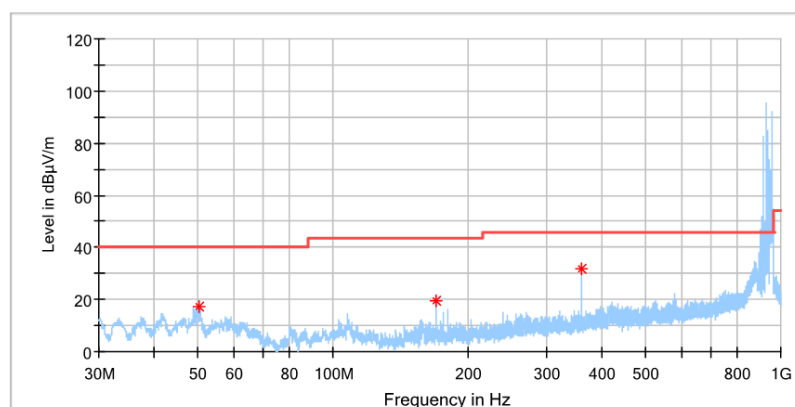
Test

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Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_High Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:54%
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)
50.418500	17.29	---	40.00	22.71	100.0	H	219.0	-18.6
169.874000	19.26	---	43.50	24.24	100.0	H	266.0	-21.6
359.945500	31.72	---	46.00	14.28	100.0	H	331.0	-15.0

23/10/2019

7:21:54 PM

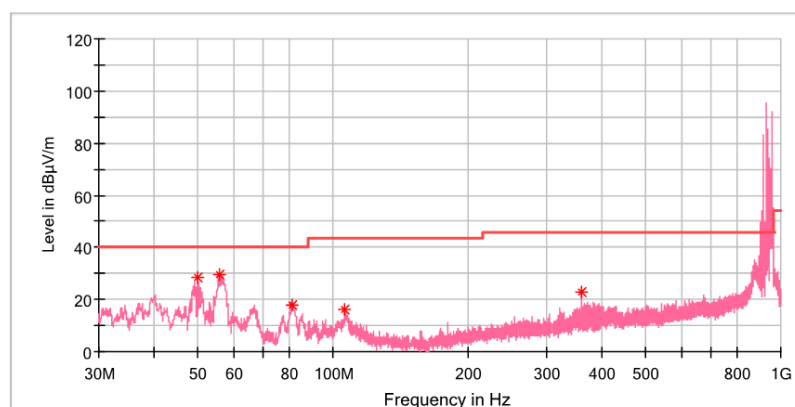
Test

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Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_High Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:54%
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	28.21	---	40.00	11.79	100.0	V	115.0	-18.6
55.996000	29.69	---	40.00	10.31	100.0	V	4.0	-18.8
81.070500	18.14	---	40.00	21.86	100.0	V	141.0	-23.5
106.290500	16.44	---	43.50	27.06	100.0	V	133.0	-19.2
359.994000	22.63	---	46.00	23.37	100.0	V	267.0	-15.0

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7:21:54 PM

1GHz to 18GHz

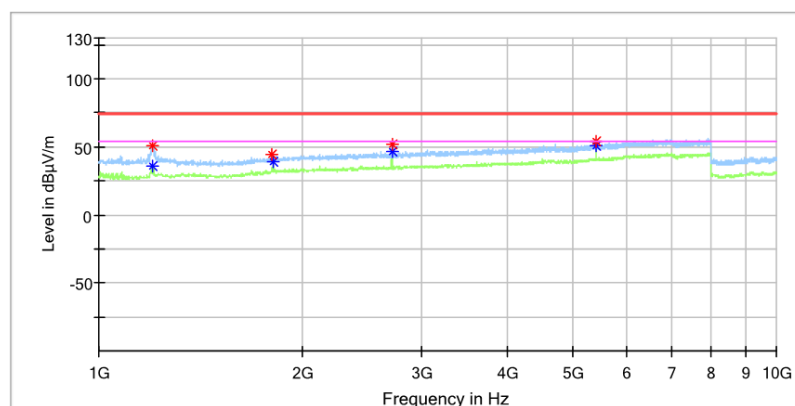
Test

1 / 6

Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_Low Channel
Test Voltage::	DC 3.8V
Remark:	Temp 23 Humi:55%
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)
1199.500000	---	35.44	54.00	18.56	100.0	H	111.0	1.1
1199.500000	51.17	---	74.00	22.83	100.0	H	111.0	1.1
1800.825000	44.27	---	74.00	29.73	100.0	H	175.0	4.7
1808.362500	---	38.79	54.00	15.21	100.0	H	83.0	4.8
2707.000000	51.55	---	74.00	22.45	100.0	H	94.0	7.6
2707.000000	---	46.66	54.00	7.34	100.0	H	94.0	7.6
5414.637500	---	50.57	54.00	3.43	100.0	H	136.0	13.5
5414.637500	54.55	---	74.00	19.45	100.0	H	136.0	13.5

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3:48:57 PM

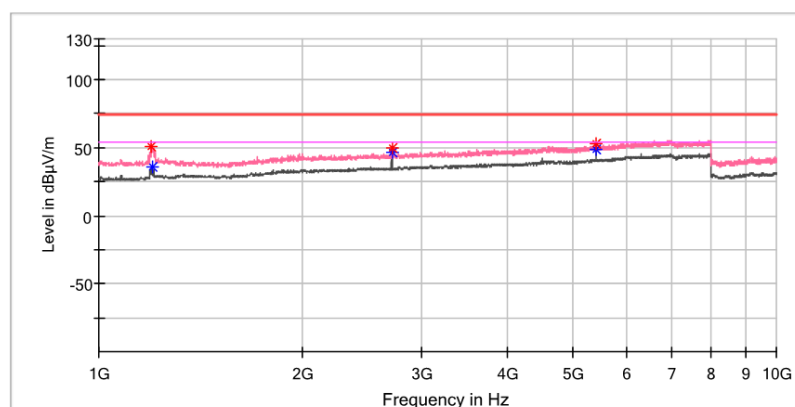
Test

2 / 6

Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_Low Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:55%
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)
1195.500000	50.86	---	74.00	23.14	100.0	V	320.0	1.1
1198.000000	---	36.06	54.00	17.94	100.0	V	289.0	1.1
2707.000000	49.72	---	74.00	24.28	100.0	V	148.0	7.6
2707.000000	---	46.43	54.00	7.57	100.0	V	148.0	7.6
5414.637500	53.18	---	74.00	20.82	100.0	V	10.0	13.5
5414.637500	---	48.50	54.00	5.50	100.0	V	10.0	13.5

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3:48:57 PM

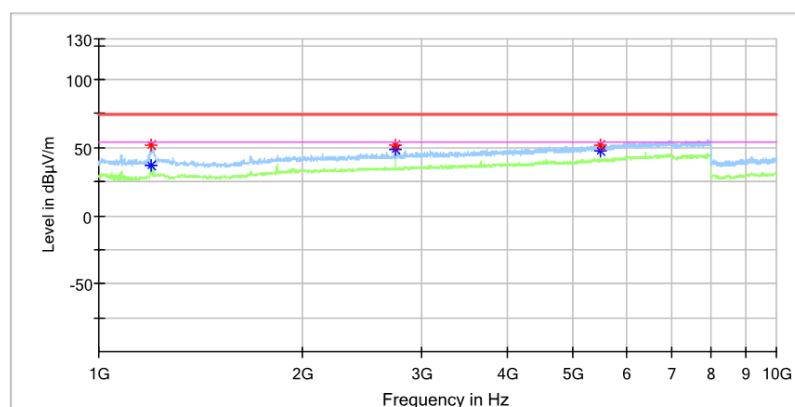
Test

3 / 6

Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_Mid Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:55%
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)
1195.000000	51.57	---	74.00	22.43	100.0	H	356.0	1.1
1197.500000	---	36.49	54.00	17.51	100.0	H	321.0	1.1
2743.850000	---	48.78	54.00	5.22	100.0	H	56.0	7.8
2744.687500	52.06	---	74.00	21.94	100.0	H	56.0	7.8
5488.337500	52.35	---	74.00	21.65	100.0	H	108.0	13.7
5489.175000	---	47.62	54.00	6.38	100.0	H	108.0	13.7

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3:48:57 PM

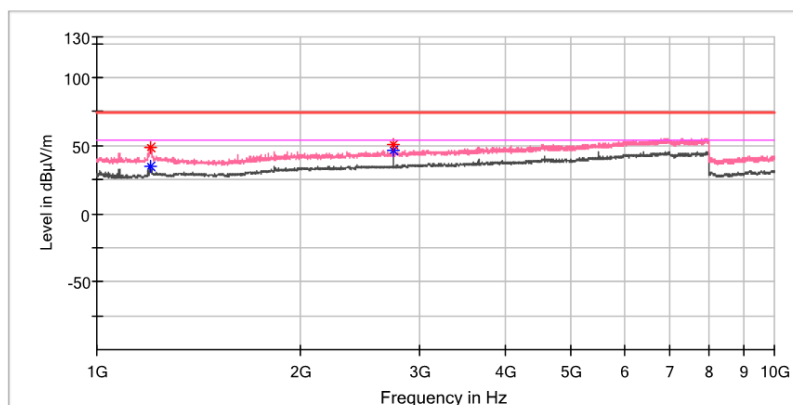
Test

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Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_Mid Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:55%
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)
1202.000000	---	34.91	54.00	19.09	100.0	V	115.0	1.2
1202.500000	48.29	---	74.00	25.71	100.0	V	115.0	1.2
2743.850000	---	46.80	54.00	7.20	100.0	V	189.0	7.8
2743.850000	50.89	---	74.00	23.11	100.0	V	189.0	7.8

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3:48:57 PM

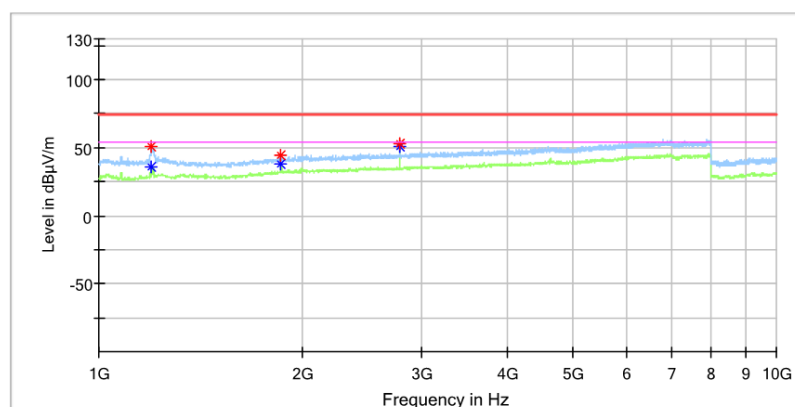
Test

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Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_High Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:55%
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)
1196.500000	---	35.68	54.00	18.32	100.0	H	230.0	1.1
1197.000000	50.91	---	74.00	23.09	100.0	H	230.0	1.1
1858.612500	---	38.23	54.00	15.77	100.0	H	136.0	5.1
1858.612500	44.60	---	74.00	29.40	100.0	H	136.0	5.1
2782.375000	---	50.23	54.00	3.77	100.0	H	54.0	7.9
2782.375000	53.28	---	74.00	20.72	100.0	H	54.0	7.9

16/10/2019

3:48:57 PM

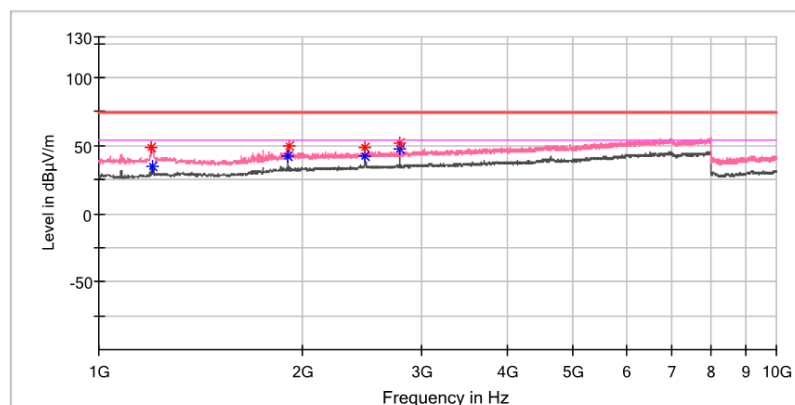
Test

6 / 6

Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_High Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:55%
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)
1196.000000	48.33	---	74.00	25.67	100.0	V	257.0	1.1
1200.000000	---	35.14	54.00	18.86	100.0	V	262.0	1.1
1901.325000	---	42.17	54.00	11.83	100.0	V	282.0	5.6
1910.537500	49.85	---	74.00	24.15	100.0	V	168.0	5.6
2469.150000	48.45	---	74.00	25.55	100.0	V	343.0	7.4
2469.150000	---	42.21	54.00	11.79	100.0	V	343.0	7.4
2782.375000	---	47.83	54.00	6.17	100.0	V	179.0	7.9
2782.375000	52.04	---	74.00	21.96	100.0	V	179.0	7.9

16/10/2019

3:48:57 PM

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

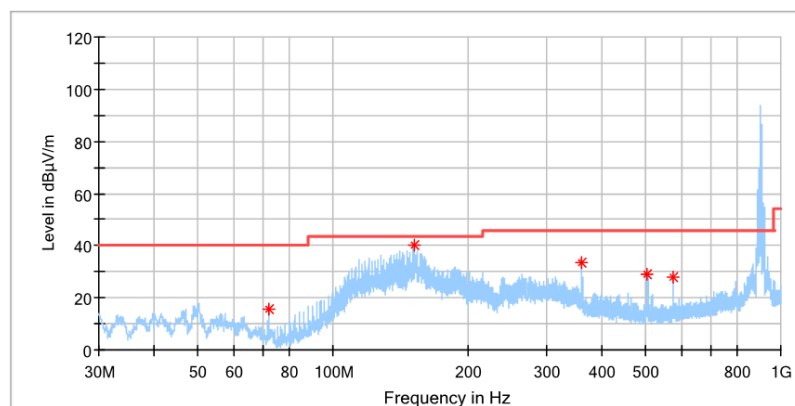
Test

1 / 6

Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_Low Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:54%
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)
71.952500	15.51	---	40.00	24.49	100.0	H	305.0	-22.7
152.414000	39.97	---	43.50	3.53	100.0	H	206.0	-22.4
359.945500	33.60	---	46.00	12.40	100.0	H	338.0	-15.0
503.651000	28.94	---	46.00	17.06	100.0	H	280.0	-12.2
574.655000	27.68	---	46.00	18.32	100.0	H	321.0	-10.7

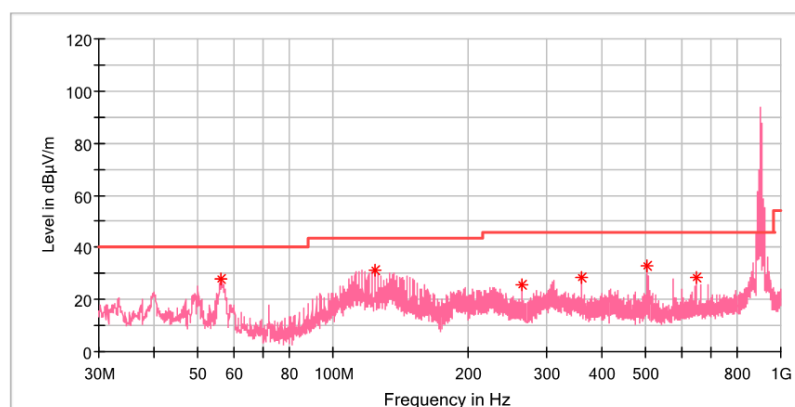
Test

2 / 6

Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_Low Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:54%
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)
56.287000	28.07	---	40.00	11.93	100.0	V	349.0	-18.9
124.041500	31.03	---	43.50	12.47	100.0	V	190.0	-21.5
263.964000	25.55	---	46.00	20.45	100.0	V	239.0	-17.4
359.945500	28.71	---	46.00	17.29	100.0	V	174.0	-15.0
502.826500	33.17	---	46.00	12.83	100.0	V	116.0	-12.2
646.920000	28.55	---	46.00	17.45	100.0	V	0.0	-9.4

23/10/2019

7:01:59 PM

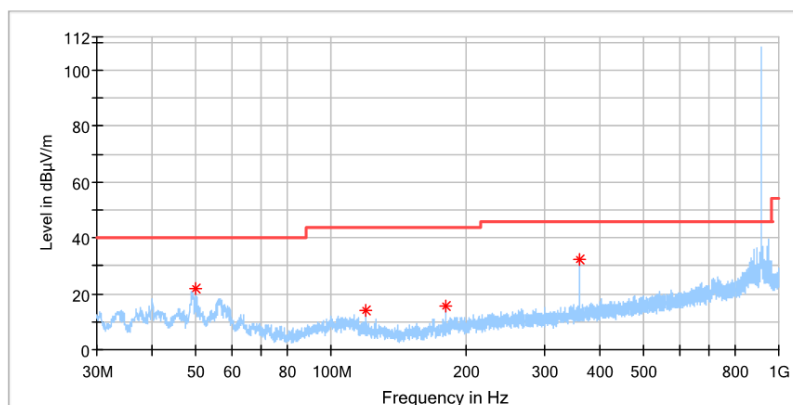
Test

3 / 6

Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_mid Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23.9 Humi:48%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.982000	22.03	---	40.00	17.97	100.0	H	240.0	-18.6
120.016000	14.11	---	43.50	29.39	100.0	H	95.0	-21.1
179.962000	15.43	---	43.50	28.07	100.0	H	67.0	-20.8
359.945500	32.15	---	46.00	13.85	100.0	H	292.0	-15.0

23/10/2019

7:01:59 PM

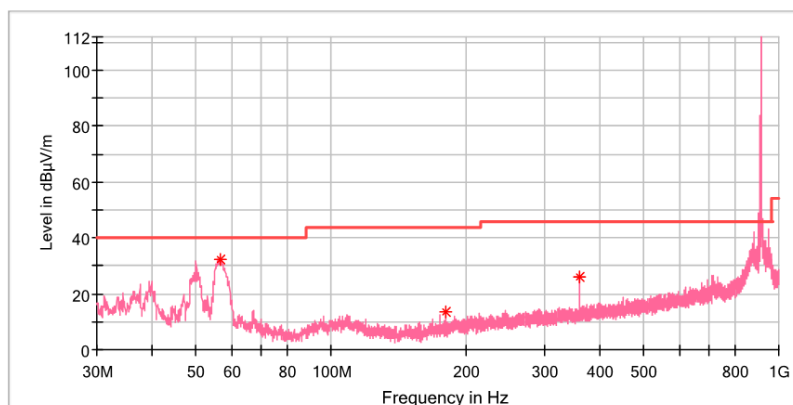
Test

4 / 6

Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_mid Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23.9 Humi:48%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
56.432500	32.30	---	40.00	7.70	100.0	V	70.0	-18.9
179.962000	13.38	---	43.50	30.12	100.0	V	190.0	-20.8
359.945500	26.22	---	46.00	19.78	100.0	V	10.0	-15.0

23/10/2019

7:01:59 PM

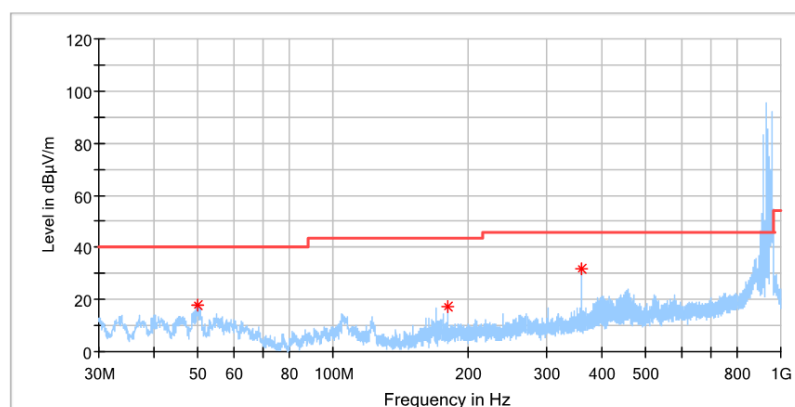
Test

5 / 6

Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_High Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:54%
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	18.00	---	40.00	22.00	100.0	H	30.0	-18.6
179.962000	17.28	---	43.50	26.22	100.0	H	120.0	-20.8
359.945500	31.62	---	46.00	14.38	100.0	H	340.0	-15.0

23/10/2019

7:01:59 PM

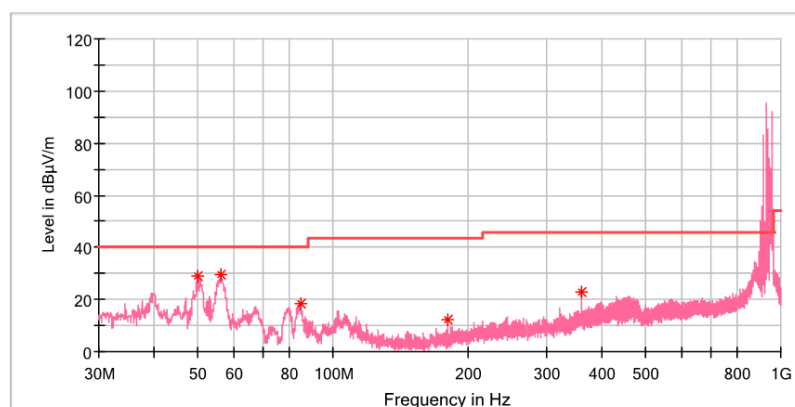
Test

6 / 6

Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_High Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:54%
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	28.95	---	40.00	11.05	100.0	V	282.0	-18.6
56.238500	29.75	---	40.00	10.25	100.0	V	348.0	-18.9
84.562500	18.54	---	40.00	21.46	100.0	V	233.0	-22.8
180.010500	12.39	---	43.50	31.11	100.0	V	217.0	-20.8
359.945500	22.97	---	46.00	23.03	100.0	V	266.0	-15.0

23/10/2019

7:01:59 PM

1GHz to 18GHz

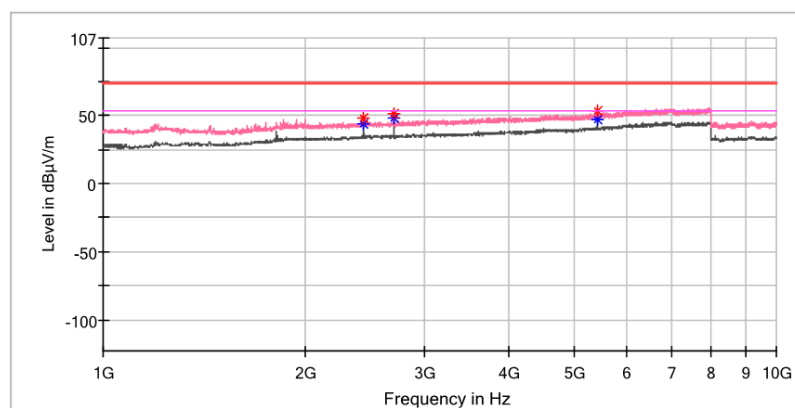
Test

1 / 6

Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_Low Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:54%
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)
2440.675000	47.96	---	74.00	26.04	100.0	H	26.0	7.4
2440.675000	---	44.27	54.00	9.73	100.0	H	26.0	7.4
2707.000000	51.02	---	74.00	22.98	100.0	H	286.0	7.6
2707.000000	---	48.26	54.00	5.74	100.0	H	286.0	7.6
5413.800000	---	47.62	54.00	6.38	100.0	H	294.0	13.5
5413.800000	53.35	---	74.00	20.65	100.0	H	294.0	13.5

22/10/2019

9:57:27 PM

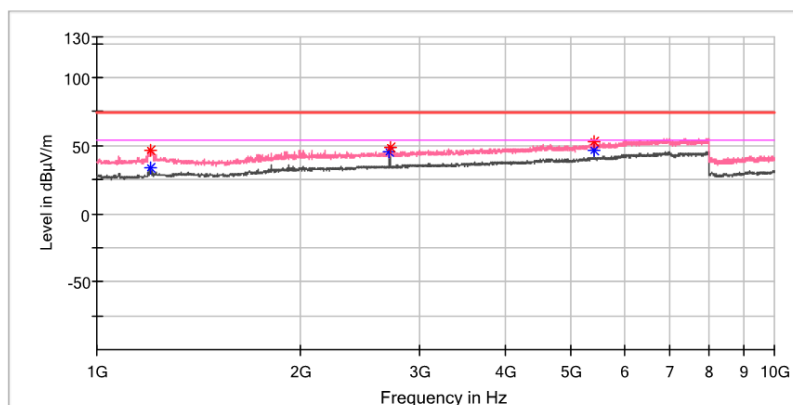
Test

2 / 6

Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_Low Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:55%
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)
1198.000000	46.94	---	74.00	27.06	100.0	V	99.0	1.1
1200.000000	---	33.72	54.00	20.28	100.0	V	111.0	1.1
2706.162500	---	45.53	54.00	8.47	100.0	V	181.0	7.5
2707.000000	48.52	---	74.00	25.48	100.0	V	181.0	7.6
5412.962500	---	46.44	54.00	7.56	100.0	V	0.0	13.5
5413.800000	53.11	---	74.00	20.89	100.0	V	317.0	13.5

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9:57:27 PM

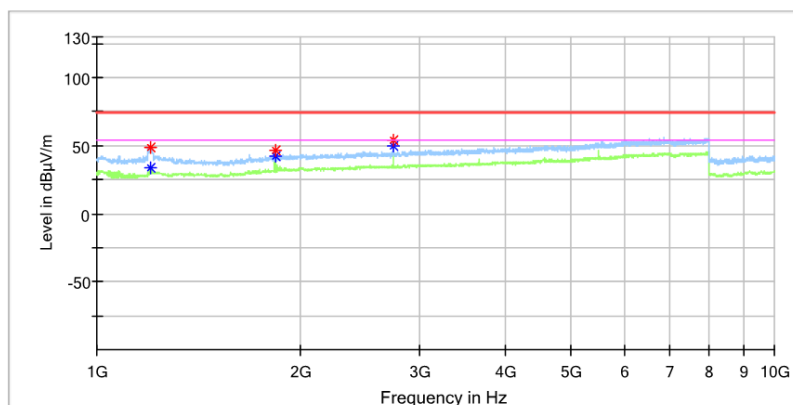
Test

3 / 6

Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_Mid Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:55%
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)
1198.000000	49.22	---	74.00	24.78	100.0	H	24.0	1.1
1198.500000	---	33.98	54.00	20.02	100.0	H	100.0	1.1
1833.487500	46.28	---	74.00	27.72	100.0	H	120.0	4.9
1833.487500	---	42.10	54.00	11.90	100.0	H	120.0	4.9
2744.687500	53.77	---	74.00	20.23	100.0	H	110.0	7.8
2744.687500	---	50.29	54.00	3.71	100.0	H	110.0	7.8

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9:57:27 PM

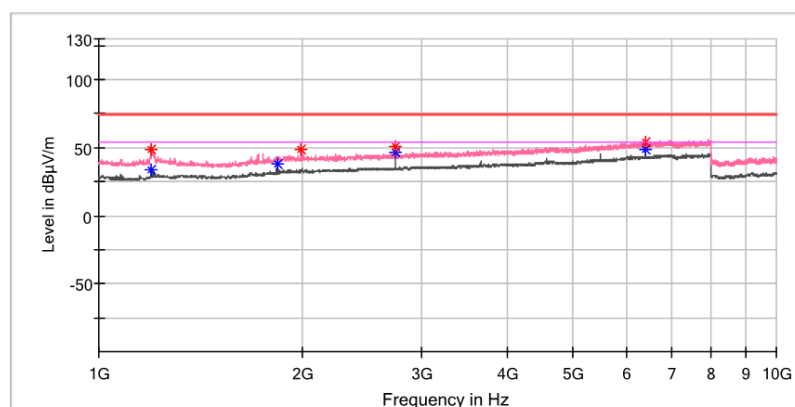
Test

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Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_Mid Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:55%
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)
1195.000000	49.22	---	74.00	24.78	100.0	V	92.0	1.1
1197.500000	---	33.65	54.00	20.35	100.0	V	109.0	1.1
1833.487500	---	37.78	54.00	16.22	100.0	V	18.0	4.9
1991.775000	48.91	---	74.00	25.09	100.0	V	18.0	6.0
2744.687500	---	46.93	54.00	7.07	100.0	V	192.0	7.8
2744.687500	50.65	---	74.00	23.35	100.0	V	192.0	7.8
6405.400000	---	48.25	54.00	5.75	100.0	V	89.0	16.1
6412.937500	54.37	---	74.00	19.63	100.0	V	50.0	16.1

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9:57:27 PM

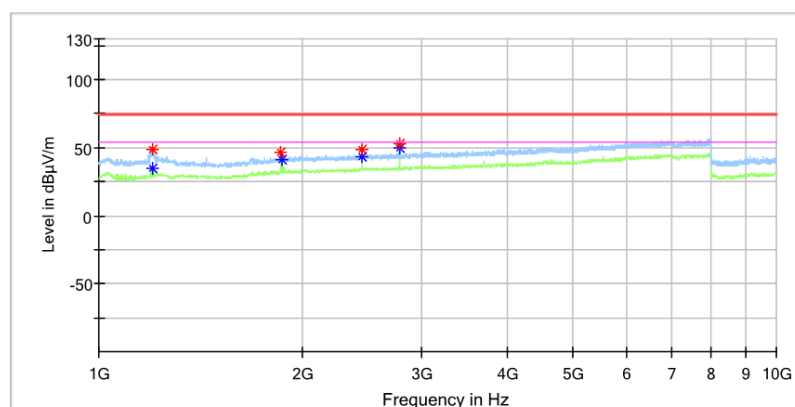
Test

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Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_High Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:55%
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)
1199.500000	---	34.70	54.00	19.30	100.0	H	22.0	1.1
1200.000000	48.33	---	74.00	25.67	100.0	H	146.0	1.1
1858.612500	46.55	---	74.00	27.45	100.0	H	38.0	5.1
1859.450000	---	41.37	54.00	12.63	100.0	H	38.0	5.1
2446.537500	49.16	---	74.00	24.84	100.0	H	105.0	7.4
2448.212500	---	43.59	54.00	10.41	100.0	H	105.0	7.5
2783.212500	53.41	---	74.00	20.59	100.0	H	116.0	7.9
2783.212500	---	49.62	54.00	4.38	100.0	H	116.0	7.9

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9:57:27 PM

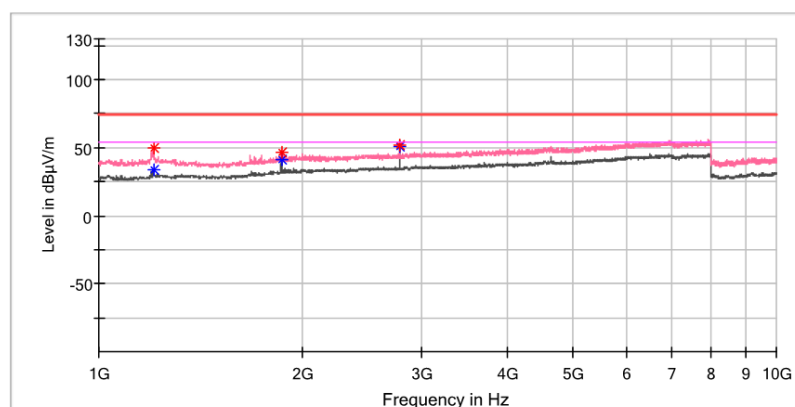
Test

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Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_High Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:55%
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)
1204.000000	---	33.73	54.00	20.27	100.0	V	19.0	1.2
1205.000000	49.49	---	74.00	24.51	100.0	V	26.0	1.2
1859.450000	---	41.21	54.00	12.79	100.0	V	136.0	5.1
1859.450000	46.52	---	74.00	27.48	100.0	V	136.0	5.1
2783.212500	52.43	---	74.00	21.57	100.0	V	177.0	7.9
2783.212500	---	50.50	54.00	3.50	100.0	V	177.0	7.9

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9:57:27 PM

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

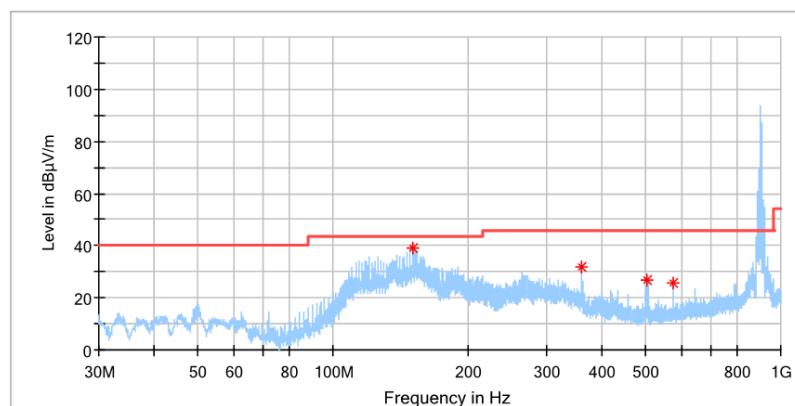
Test

1 / 6

Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_Low Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:54%
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)
150.571000	39.12	---	43.50	4.38	100.0	H	208.0	-22.5
359.994000	31.79	---	46.00	14.21	100.0	H	336.0	-15.0
504.039000	26.69	---	46.00	19.31	100.0	H	320.0	-12.2
574.606500	25.44	---	46.00	20.56	100.0	H	320.0	-10.7

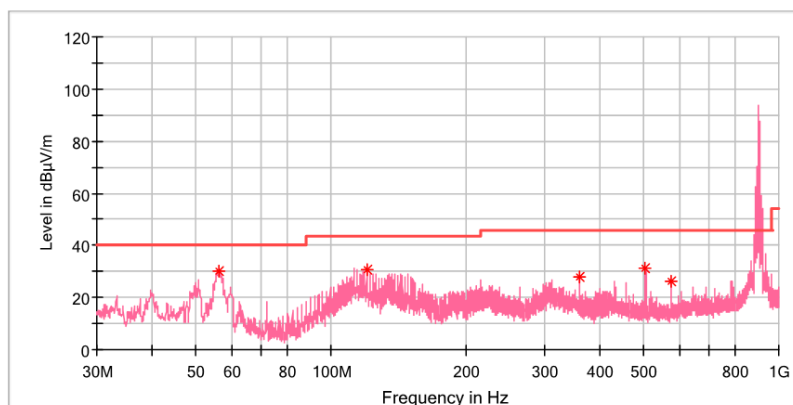
Test

2 / 6

Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_Low Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:54%
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)
56.238500	29.96	---	40.00	10.04	100.0	V	13.0	-18.9
120.210000	30.67	---	43.50	12.83	100.0	V	175.0	-21.1
359.945500	27.64	---	46.00	18.36	100.0	V	216.0	-15.0
502.826500	31.50	---	46.00	14.50	100.0	V	87.0	-12.2
574.703500	26.42	---	46.00	19.58	100.0	V	281.0	-10.7

23/10/2019

6:41:21 PM

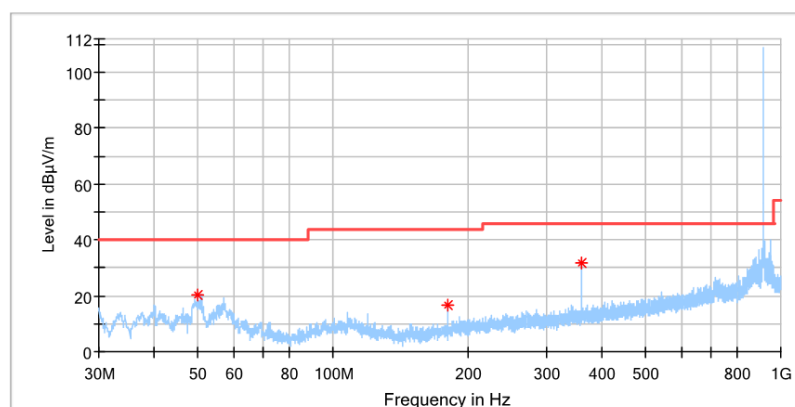
Test

3 / 6

Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_mid Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23.9 Humi:48%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.982000	20.29	---	40.00	19.71	100.0	H	109.0	-18.6
179.962000	16.50	---	43.50	27.00	100.0	H	109.0	-20.8
359.945500	31.93	---	46.00	14.07	100.0	H	288.0	-15.0

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6:41:21 PM

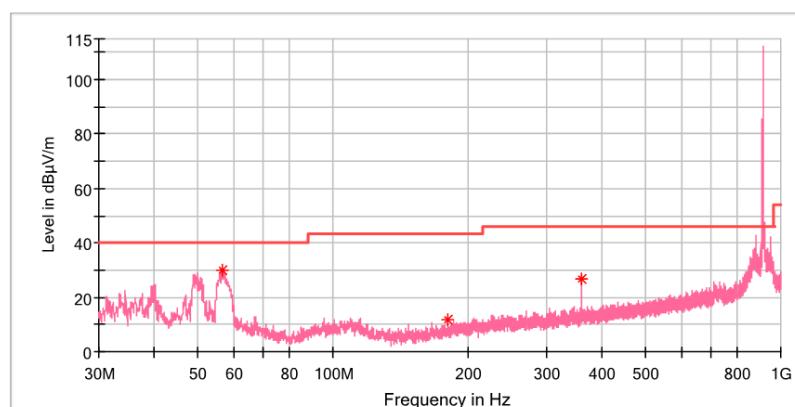
Test

4 / 6

Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_mid Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23.9 Humi:48%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
56.820500	30.06	---	40.00	9.94	100.0	V	175.0	-18.9
180.010500	11.72	---	43.50	31.78	100.0	V	197.0	-20.8
359.945500	26.77	---	46.00	19.23	100.0	V	0.0	-15.0

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6:41:21 PM

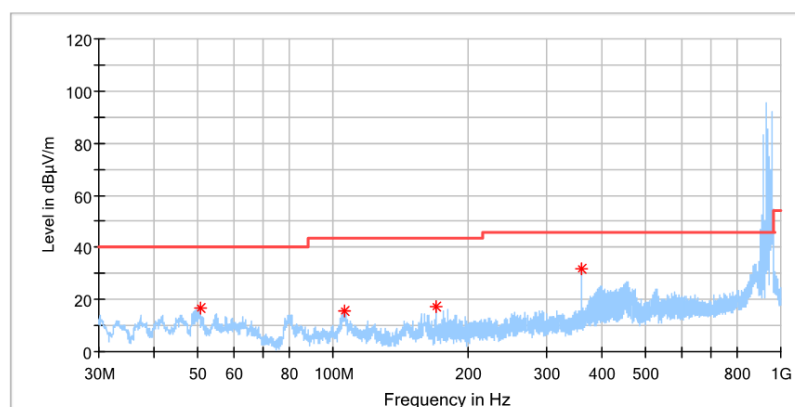
Test

5 / 6

Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_High Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:54%
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	16.71	---	40.00	23.29	100.0	H	34.0	-18.6
105.902500	15.49	---	43.50	28.01	100.0	H	290.0	-19.1
169.825500	17.20	---	43.50	26.30	100.0	H	282.0	-21.6
359.994000	31.85	---	46.00	14.15	100.0	H	334.0	-15.0

23/10/2019

6:41:21 PM

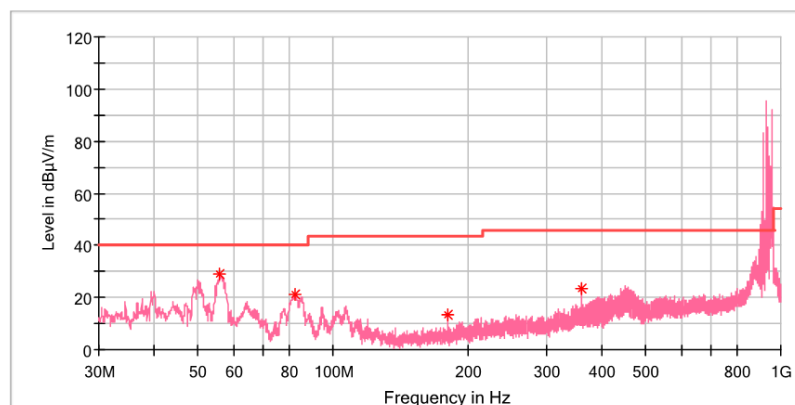
Test

6 / 6

Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_High Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:54%
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	29.13	---	40.00	10.87	100.0	V	339.0	-18.8
82.428500	21.13	---	40.00	18.87	100.0	V	182.0	-23.2
179.962000	13.26	---	43.50	30.24	100.0	V	190.0	-20.8
359.945500	23.49	---	46.00	22.51	100.0	V	256.0	-15.0

23/10/2019

6:41:21 PM

1GHz to 18GHz

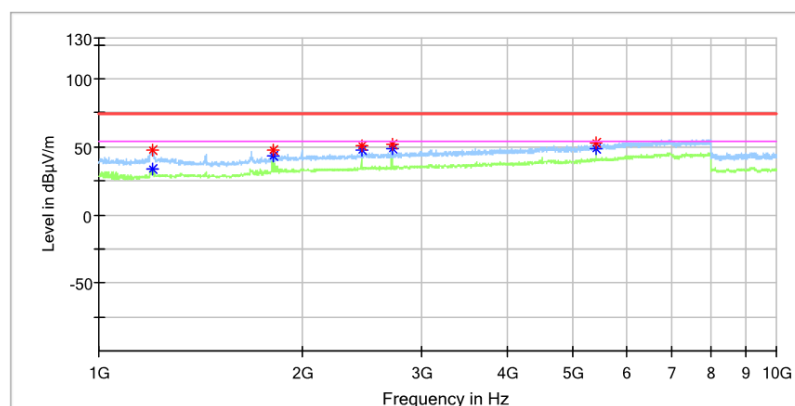
Test

1 / 6

Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_Low Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:54%
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)
1203.000000	47.70	---	74.00	26.30	100.0	H	237.0	1.2
1203.500000	---	34.06	54.00	19.94	100.0	H	237.0	1.2
1807.525000	47.46	---	74.00	26.54	100.0	H	324.0	4.8
1808.362500	---	43.10	54.00	10.90	100.0	H	216.0	4.8
2440.675000	50.52	---	74.00	23.48	100.0	H	283.0	7.4
2440.675000	---	47.52	54.00	6.48	100.0	H	283.0	7.4
2707.000000	---	48.30	54.00	5.70	100.0	H	324.0	7.6
2707.000000	52.19	---	74.00	21.81	100.0	H	324.0	7.6
5413.800000	53.40	---	74.00	20.60	100.0	H	267.0	13.5
5413.800000	---	48.44	54.00	5.56	100.0	H	267.0	13.5

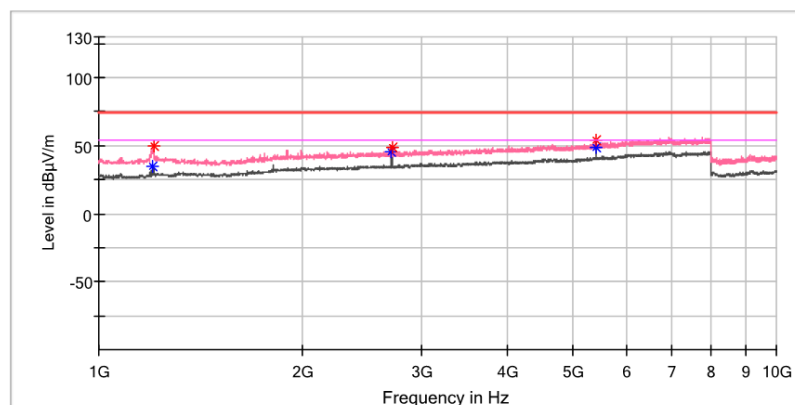
Test

2 / 6

Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_Low Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:55%
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)
1202.000000	---	35.16	54.00	18.84	100.0	V	103.0	1.2
1205.000000	50.20	---	74.00	23.80	100.0	V	16.0	1.2
2706.162500	---	45.00	54.00	9.00	100.0	V	189.0	7.5
2707.000000	49.08	---	74.00	24.92	100.0	V	189.0	7.6
5412.962500	54.21	---	74.00	19.79	100.0	V	326.0	13.5
5412.962500	---	48.48	54.00	5.52	100.0	V	326.0	13.5

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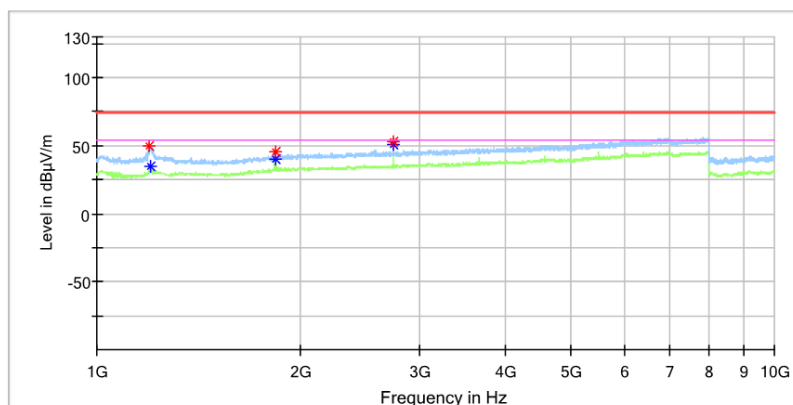
Test

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Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_Mid Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:55%
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)
1195.000000	50.23	---	74.00	23.77	100.0	H	92.0	1.1
1199.000000	---	35.12	54.00	18.88	100.0	H	99.0	1.1
1833.487500	---	40.54	54.00	13.46	100.0	H	126.0	4.9
1833.487500	45.39	---	74.00	28.61	100.0	H	126.0	4.9
2744.687500	53.34	---	74.00	20.66	100.0	H	116.0	7.8
2744.687500	---	50.72	54.00	3.28	100.0	H	116.0	7.8

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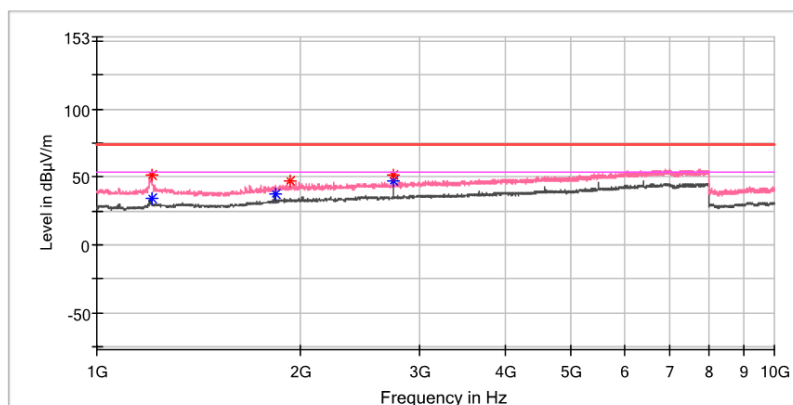
Test

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Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_Mid Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:55%
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)
1204.000000	51.37	---	74.00	22.63	100.0	V	121.0	1.2
1206.000000	---	34.65	54.00	19.35	100.0	V	114.0	1.2
1833.487500	---	36.99	54.00	17.01	100.0	V	243.0	4.9
1930.637500	46.88	---	74.00	27.12	100.0	V	290.0	5.6
2744.687500	---	47.40	54.00	6.60	100.0	V	191.0	7.8
2744.687500	50.90	---	74.00	23.10	100.0	V	191.0	7.8

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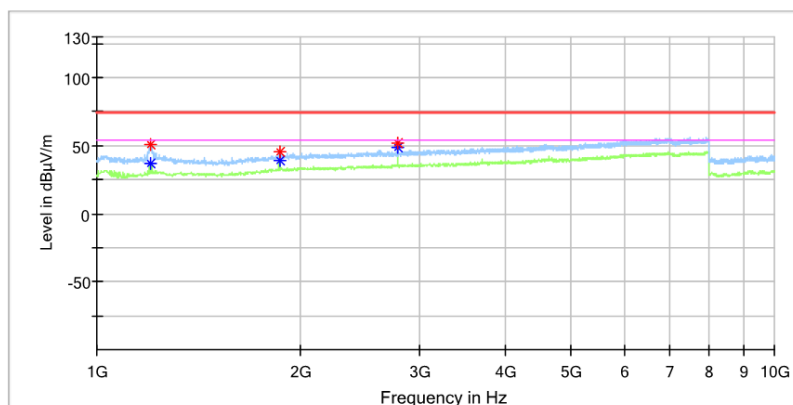
Test

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Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_High Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:55%
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)
1202.000000	---	37.28	54.00	16.72	100.0	H	106.0	1.2
1202.500000	50.79	---	74.00	23.21	100.0	H	106.0	1.2
1859.450000	---	39.03	54.00	14.97	100.0	H	147.0	5.1
1859.450000	44.99	---	74.00	29.01	100.0	H	147.0	5.1
2783.212500	52.05	---	74.00	21.95	100.0	H	117.0	7.9
2783.212500	---	48.66	54.00	5.34	100.0	H	117.0	7.9

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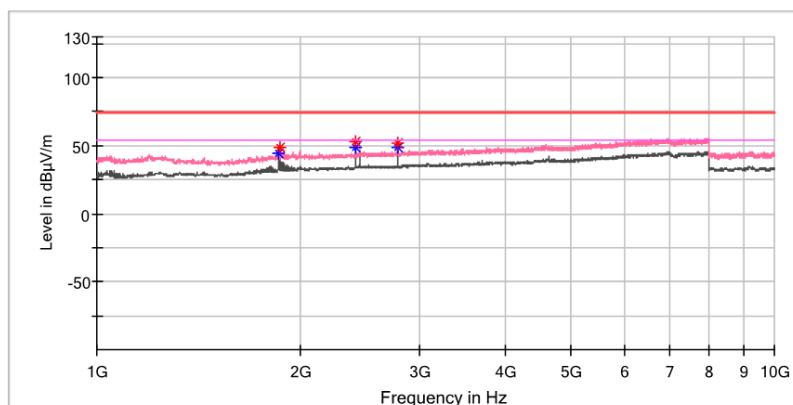
Test

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Test Report

EUT Information

EUT Name:	Ring Smart Lightbulb(PAR38)
Model:	PAR38
Test Mode:	TX_High Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:54%
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	---	44.88	54.00	9.12	100.0	V	333.0	5.0
1859.450000	48.48	---	74.00	25.52	100.0	V	291.0	5.1
2413.037500	52.80	---	74.00	21.20	100.0	V	147.0	7.1
2413.037500	---	48.42	54.00	5.58	100.0	V	147.0	7.1
2783.212500	---	48.83	54.00	5.17	100.0	V	291.0	7.9
2783.212500	52.15	---	74.00	21.85	100.0	V	291.0	7.9

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