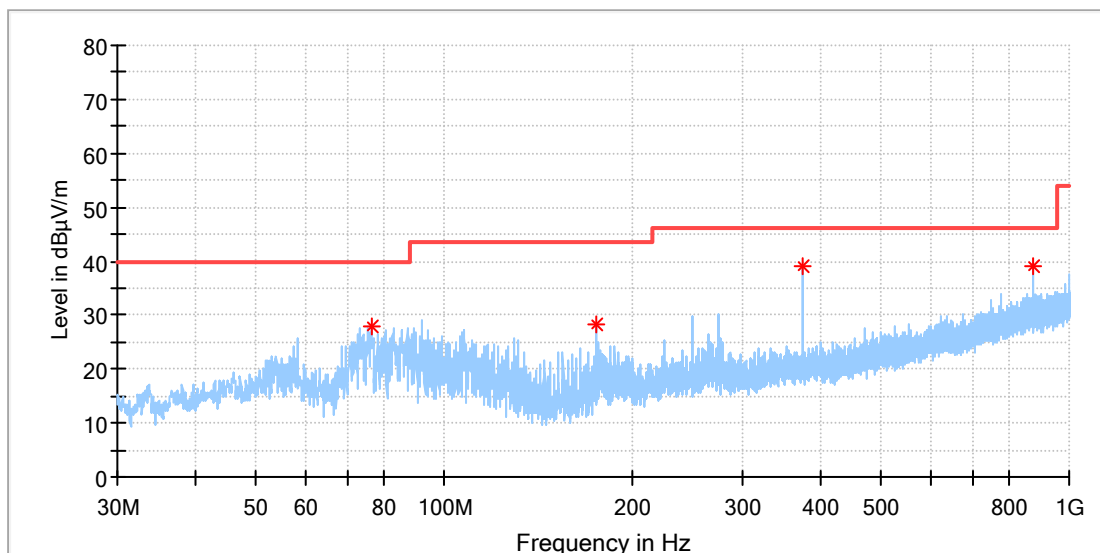


Note: Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

Appendix B.6: Test Results of Radiated Spurious Emissions 30MHz - 1GHz (Worst case)

EUT Information

EUT Name:	System Controller
Model:	EL-SC-300
Test Mode:	WIFI 2.4G_11b_Low channel
Order No/Sample No:	168339134/A003148741-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

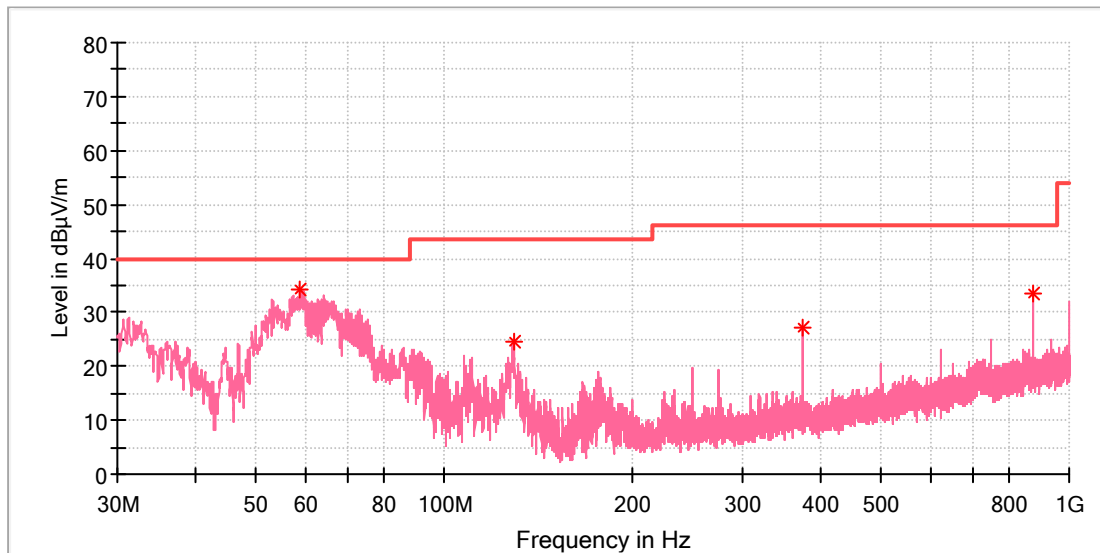
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
76.560000	27.79	40.00	12.21	100.0	H	260.0	-23.4
174.966500	28.41	43.50	15.09	100.0	H	44.0	-20.9
375.029000	38.95	46.00	7.05	100.0	H	335.0	-14.3
875.015500	39.00	46.00	7.00	100.0	H	313.0	-5.2

Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

EUT Information

EUT Name: System Controller
Model: EL-SC-300
Test Mode: WIFI 2.4G_11b_Low channel
Order No/Sample No: 168339134/A003148741-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:54%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

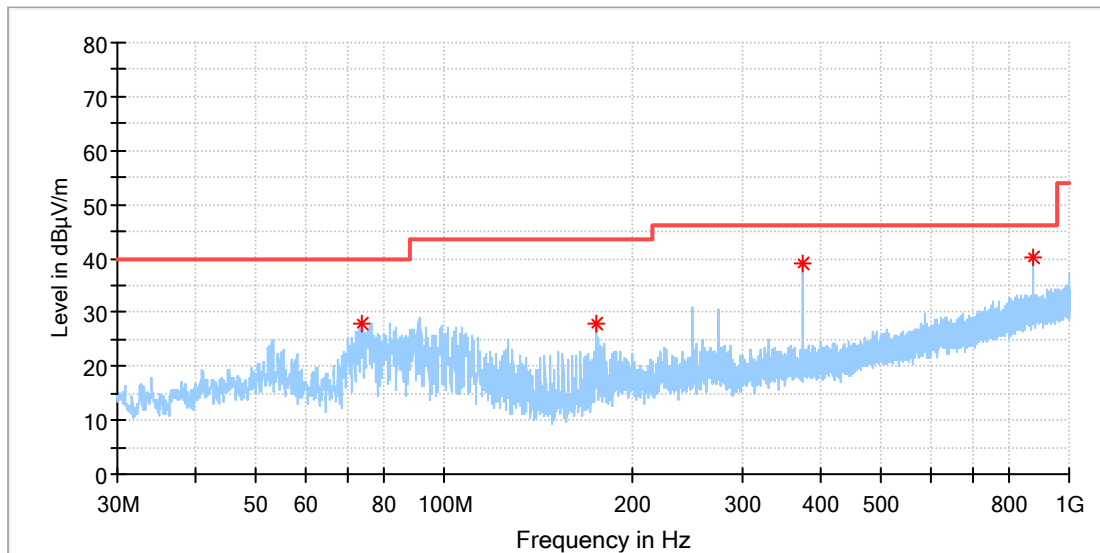
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
58.913462	34.09	40.00	5.91	100.0	V	326.0	-19.2
129.201154	24.40	43.50	19.10	100.0	V	0.0	-22.1
374.984231	27.19	46.00	18.81	100.0	V	184.0	-14.7
875.019231	33.33	46.00	12.67	100.0	V	218.0	-5.6

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

EUT Information

EUT Name: System Controller
Model: EL-SC-300
Test Mode: WIFI 2.4G_11b_High channel
Order No/Sample No: 168339134/A003148741-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:54%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

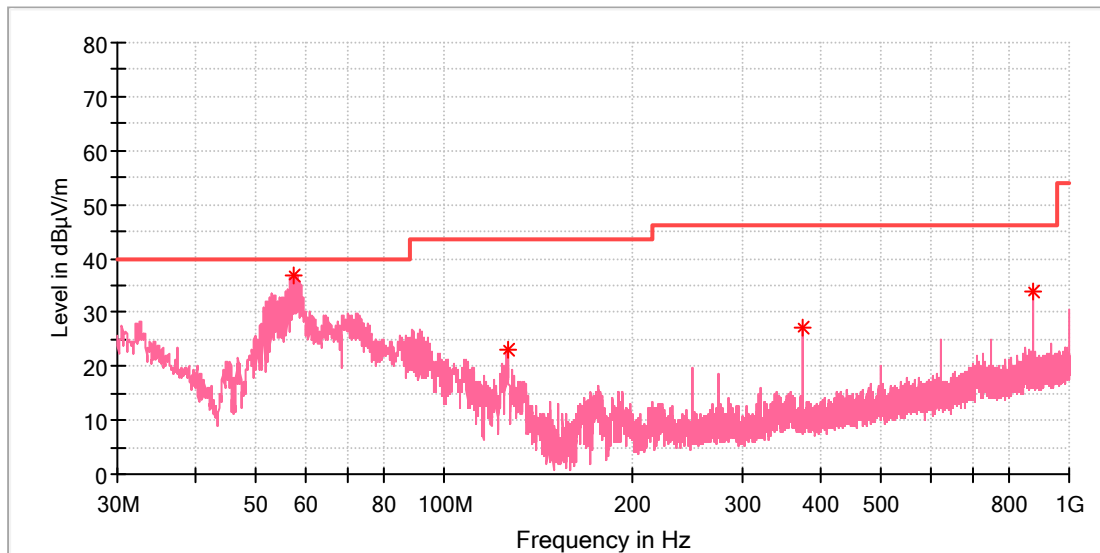
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
73.747000	28.02	40.00	11.98	100.0	H	264.0	-23.0
175.015000	28.03	43.50	15.47	100.0	H	5.0	-20.9
375.029000	39.00	46.00	7.00	100.0	H	335.0	-14.3
875.015500	40.03	46.00	5.97	100.0	H	284.0	-5.2

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

EUT Information

EUT Name: System Controller
Model: EL-SC-300
Test Mode: WIFI 2.4G_11b_High channel
Order No/Sample No: 168339134/A003148741-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:54%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
57.309231	36.95	40.00	3.05	100.0	V	60.0	-19.0
126.552308	22.92	43.50	20.58	100.0	V	9.0	-21.8
374.984231	26.99	46.00	19.01	100.0	V	184.0	-14.7
874.981923	33.69	46.00	12.31	100.0	V	223.0	-5.6

Final Result

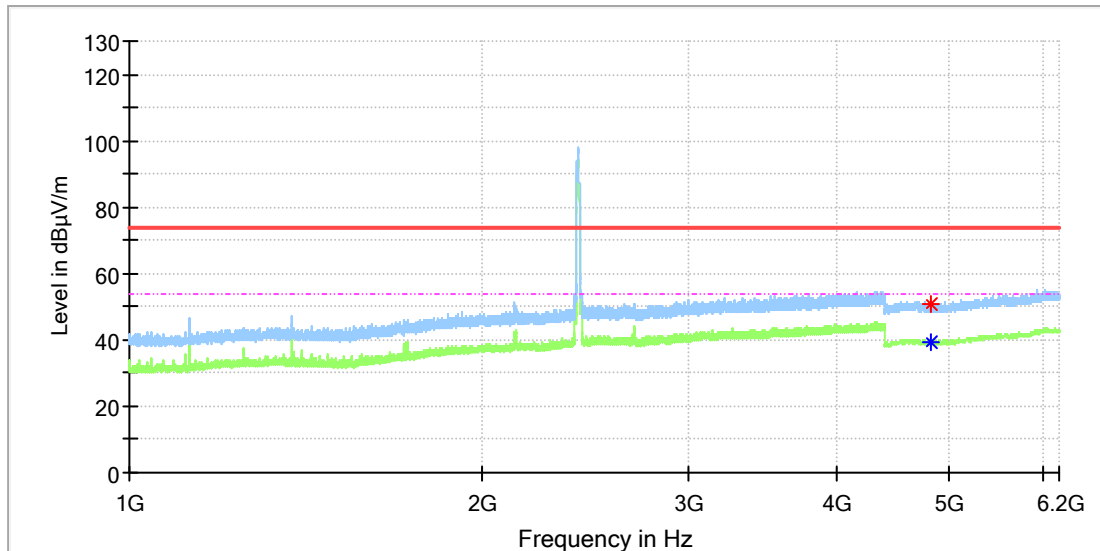
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

1GHz - 18GHz

Note: The highest waveform in the figure is Wi-Fi Fundamental.

EUT Information

EUT Name:	System Controller
Model:	EL-SC-300
Test Mode:	WIFI 2.4G_11b_Low channel
Order No/Sample No:	168339134/A003148741-001
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

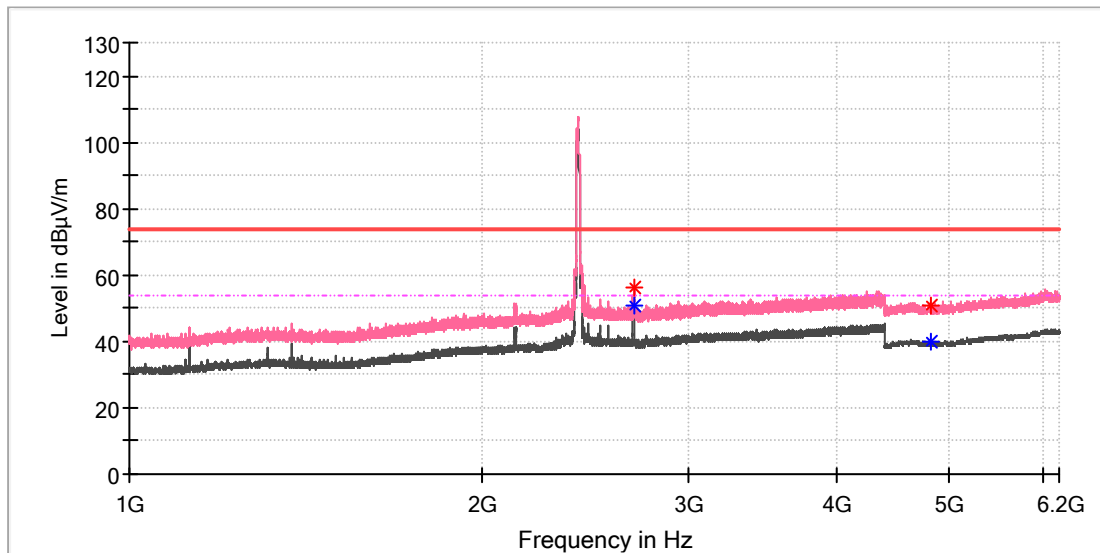
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4822.000000	50.50	---	74.00	23.50	100.0	H	137.0	11.8
4823.500000	---	39.36	54.00	14.64	100.0	H	238.0	11.8

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	System Controller
Model:	EL-SC-300
Test Mode:	WIFI 2.4G_11b_Low channel
Order No/Sample No:	168339134/A003148741-001
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

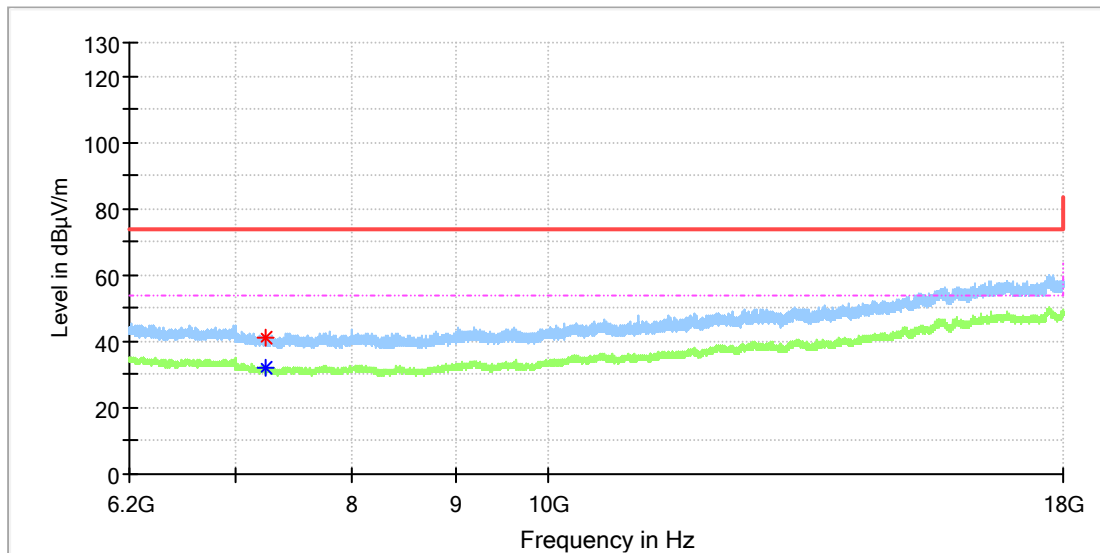
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2691.330000	---	50.81	54.00	3.19	100.0	V	185.0	7.5
2693.370000	56.53	---	74.00	17.47	100.0	V	175.0	7.5
4819.000000	---	39.80	54.00	14.20	100.0	V	232.0	11.8
4824.000000	50.74	---	74.00	23.26	100.0	V	232.0	11.8

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	System Controller
Model:	EL-SC-300
Test Mode:	WIFI 2.4G_11b_Low channel
Order No/Sample No:	168339134/A003148741-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

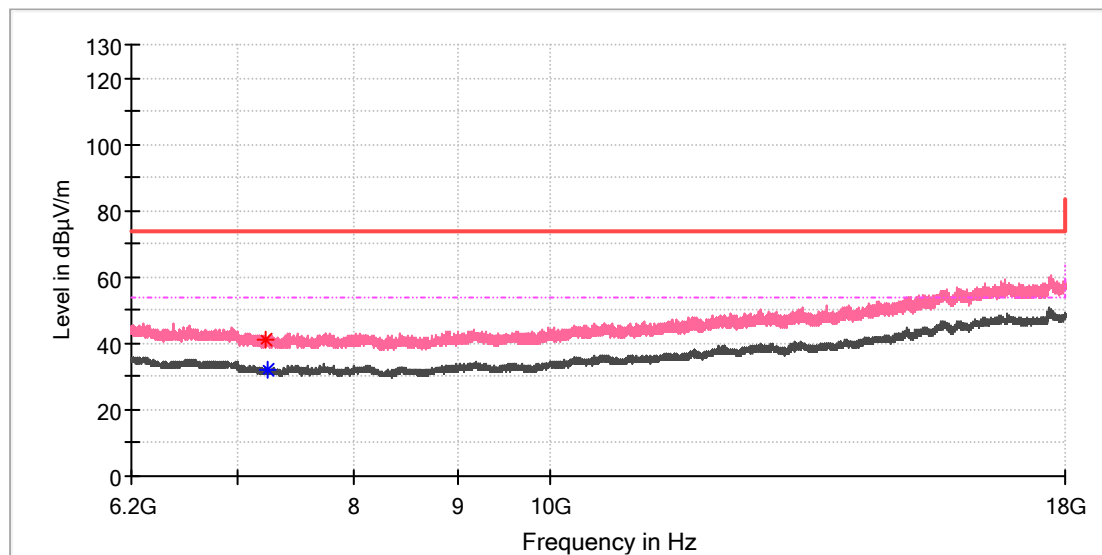
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7235.450000	41.41	---	74.00	32.59	100.0	H	11.0	8.6
7236.925000	---	32.13	54.00	21.87	100.0	H	205.0	8.6

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	System Controller
Model:	EL-SC-300
Test Mode:	WIFI 2.4G_11b_Low channel
Order No/Sample No:	168339134/A003148741-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

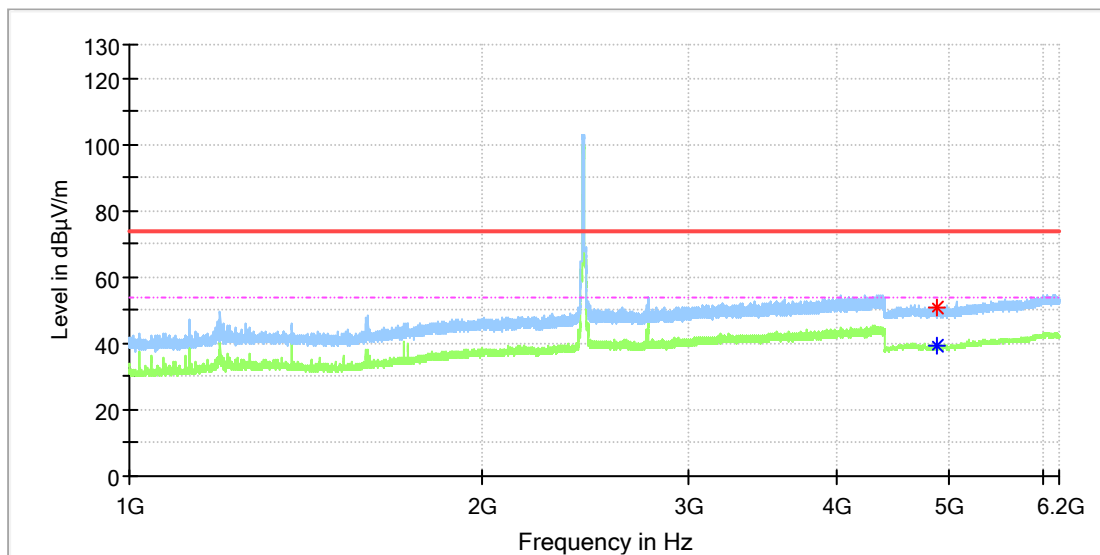
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7233.975000	41.21	---	74.00	32.79	100.0	V	0.0	8.6
7239.875000	---	32.32	54.00	21.68	100.0	V	355.0	8.6

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	System Controller
Model:	EL-SC-300
Test Mode:	WIFI 2.4G_11b_Mid channel
Order No/Sample No:	168339134/A003148741-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

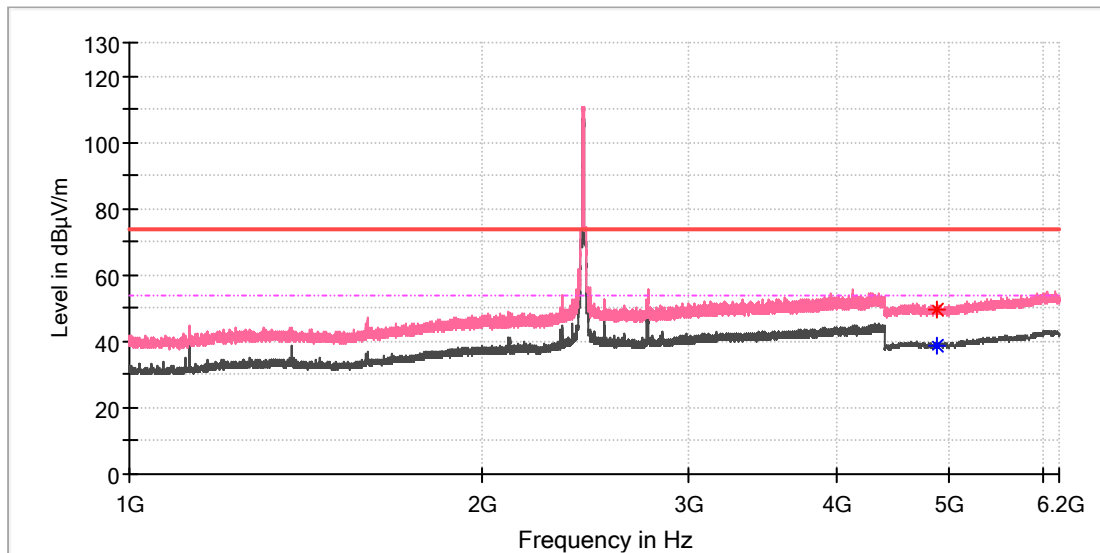
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4870.500000	50.65	---	74.00	23.35	100.0	H	227.0	11.8
4874.000000	---	39.14	54.00	14.86	100.0	H	269.0	11.8

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	System Controller
Model:	EL-SC-300
Test Mode:	WIFI 2.4G_11b_Mid channel
Order No/Sample No:	168339134/A003148741-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

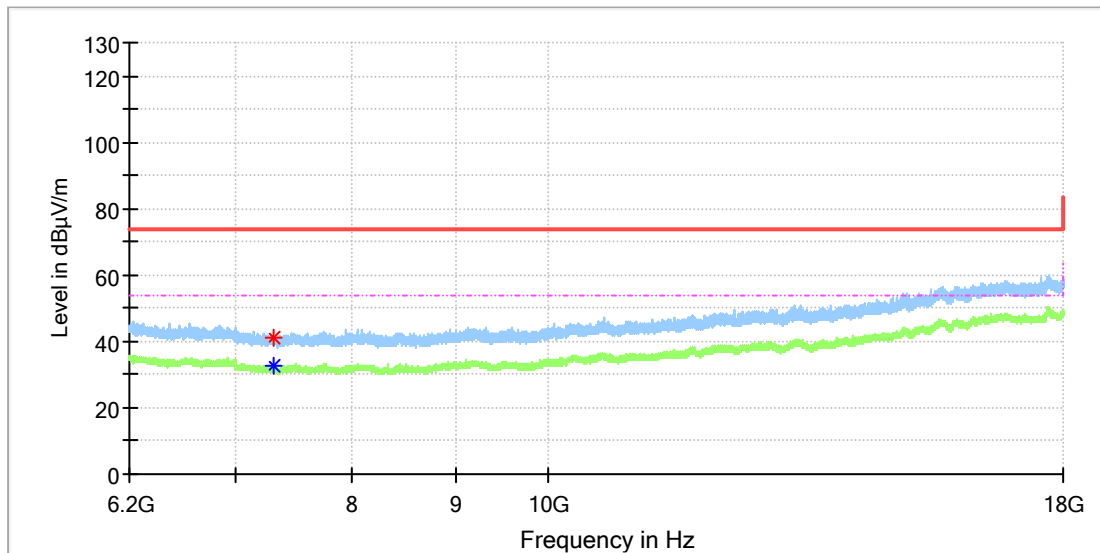
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4870.000000	---	38.94	54.00	15.06	100.0	V	359.0	11.8
4875.500000	49.58	---	74.00	24.42	100.0	V	285.0	11.8

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	System Controller
Model:	EL-SC-300
Test Mode:	WIFI 2.4G_11b_Mid channel
Order No/Sample No:	168339134/A003148741-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

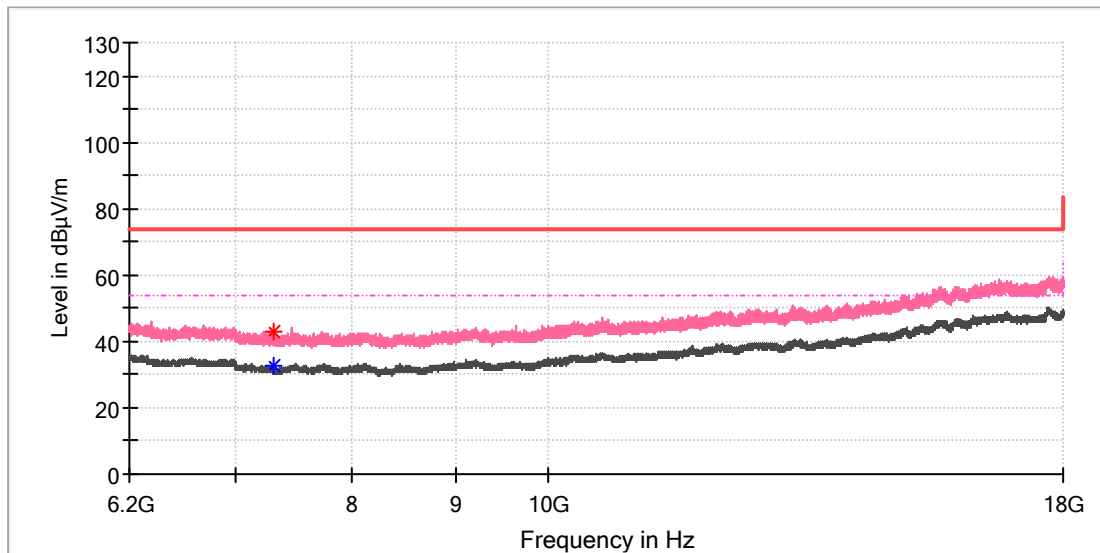
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7304.283333	41.21	---	74.00	32.79	100.0	H	65.0	8.3
7312.641667	---	32.64	54.00	21.36	100.0	H	303.0	8.2

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	System Controller
Model:	EL-SC-300
Test Mode:	WIFI 2.4G_11b_Mid channel
Order No/Sample No:	168339134/A003148741-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

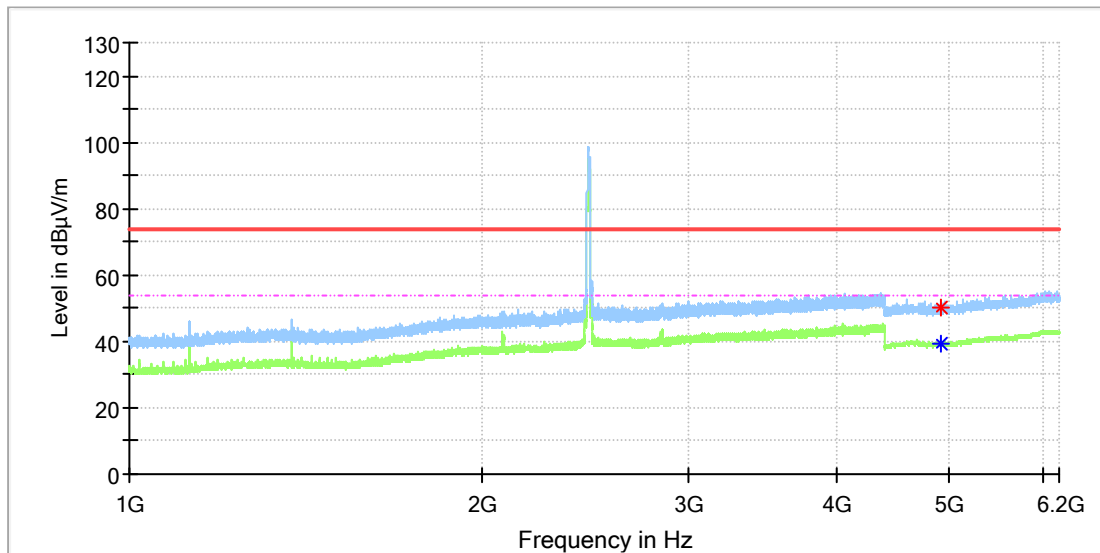
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7306.250000	---	32.62	54.00	21.38	100.0	V	63.0	8.3
7317.066667	42.65	---	74.00	31.35	100.0	V	91.0	8.2

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	System Controller
Model:	EL-SC-300
Test Mode:	WIFI 2.4G_11b_High channel
Order No/Sample No:	168339134/A003148741-001
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

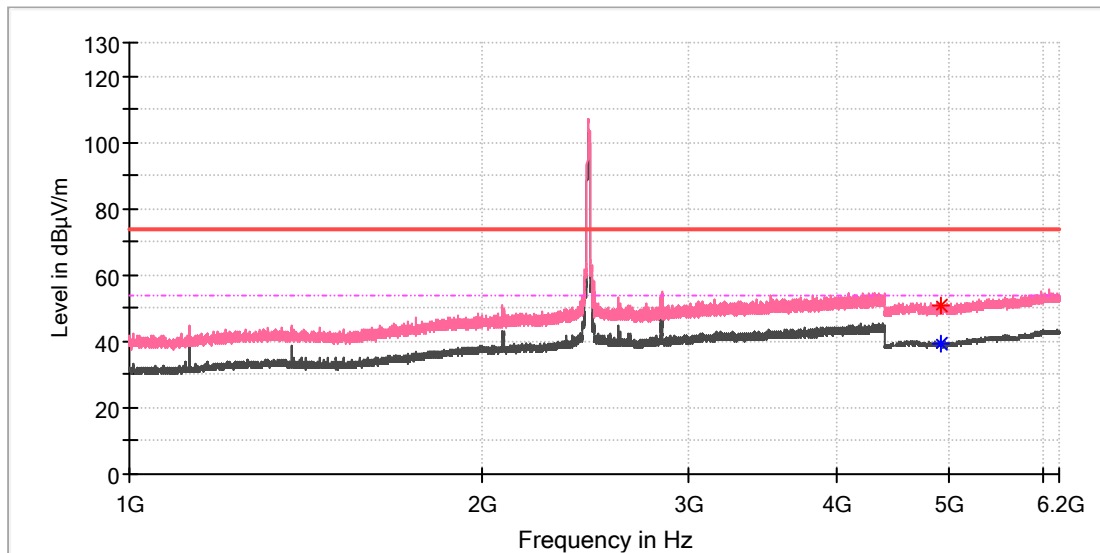
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4923.500000	50.38	---	74.00	23.62	100.0	H	223.0	11.8
4925.500000	---	39.15	54.00	14.85	100.0	H	252.0	11.8

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	System Controller
Model:	EL-SC-300
Test Mode:	WIFI 2.4G_11b_High channel
Order No/Sample No:	168339134/A003148741-001
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

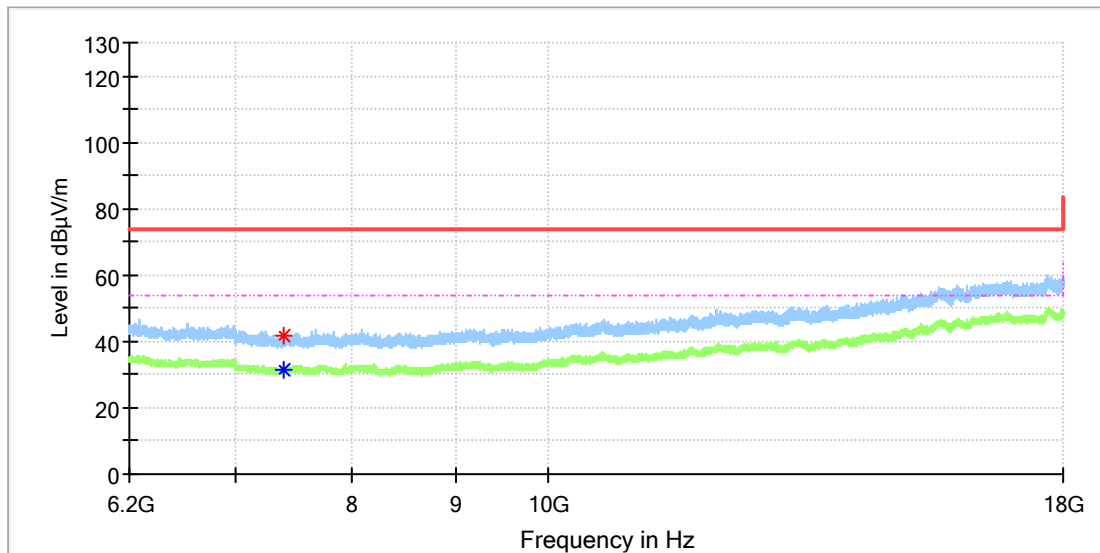
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4918.500000	50.49	---	74.00	23.51	100.0	V	268.0	11.8
4923.000000	---	39.50	54.00	14.50	100.0	V	78.0	11.8

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	System Controller
Model:	EL-SC-300
Test Mode:	WIFI 2.4G_11b_High channel
Order No/Sample No:	168339134/A003148741-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

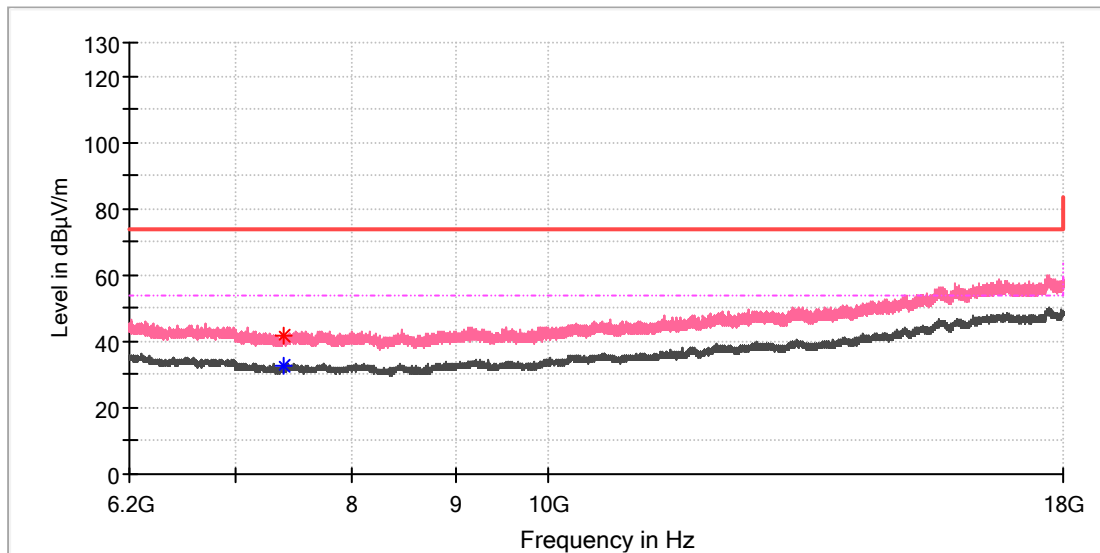
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7388.358333	---	31.62	54.00	22.38	100.0	H	318.0	8.2
7389.833333	41.45	---	74.00	32.55	100.0	H	245.0	8.2

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	System Controller
Model:	EL-SC-300
Test Mode:	WIFI 2.4G_11b_High channel
Order No/Sample No:	168339134/A003148741-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 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)
7391.308333	---	32.56	54.00	21.44	100.0	V	235.0	8.3
7391.800000	41.67	---	74.00	32.33	100.0	V	0.0	8.3

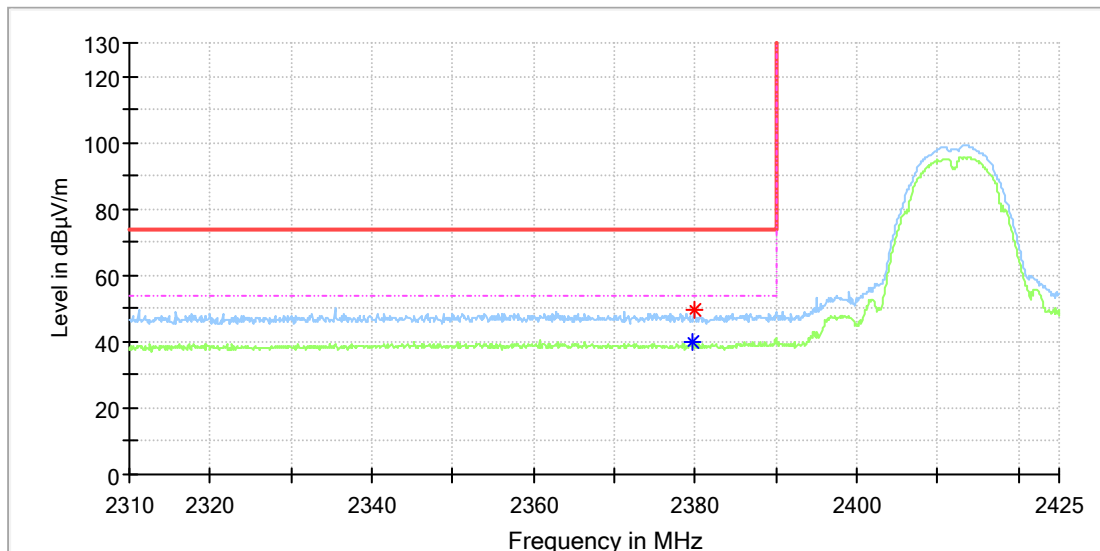
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Appendix B.7: Test Results of Radiated Emissions in Restricted Bands Wi-Fi 802.11 b mode, 1 Mbps

EUT Information

EUT Name:	System Controller
Model:	EL-SC-300
Test Mode:	WIFI 2.4G_11b_Low channel
Order No./Sample No:	168339134/A003148741-001
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

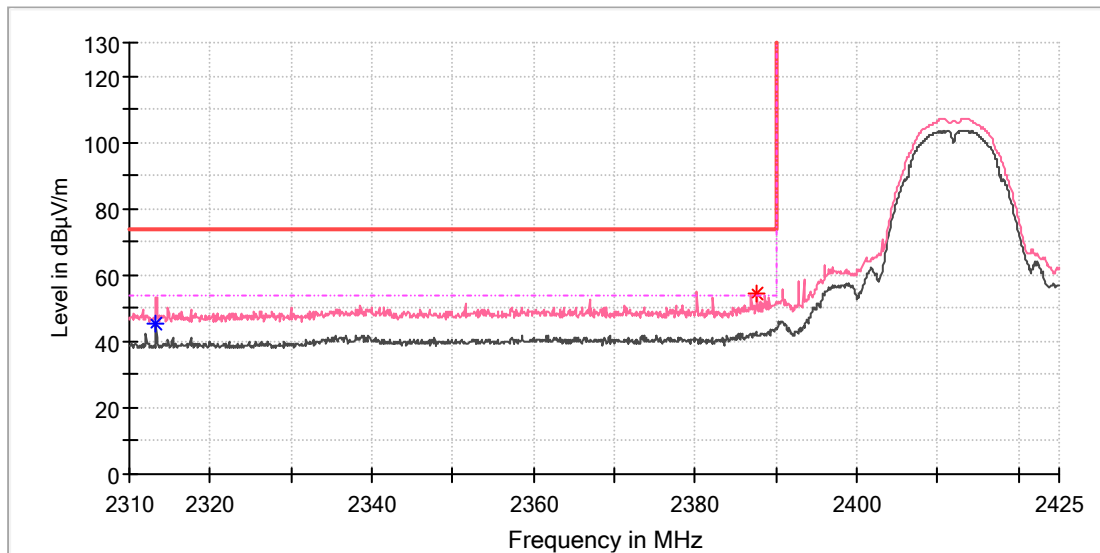
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2379.700000	---	39.86	54.00	14.14	100.0	H	0.0	7.0
2379.800000	49.86	---	74.00	24.14	100.0	H	60.0	7.0

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	System Controller
Model:	EL-SC-300
Test Mode:	WIFI 2.4G_11b_Low channel
Order No/Sample No:	168339134/A003148741-001
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

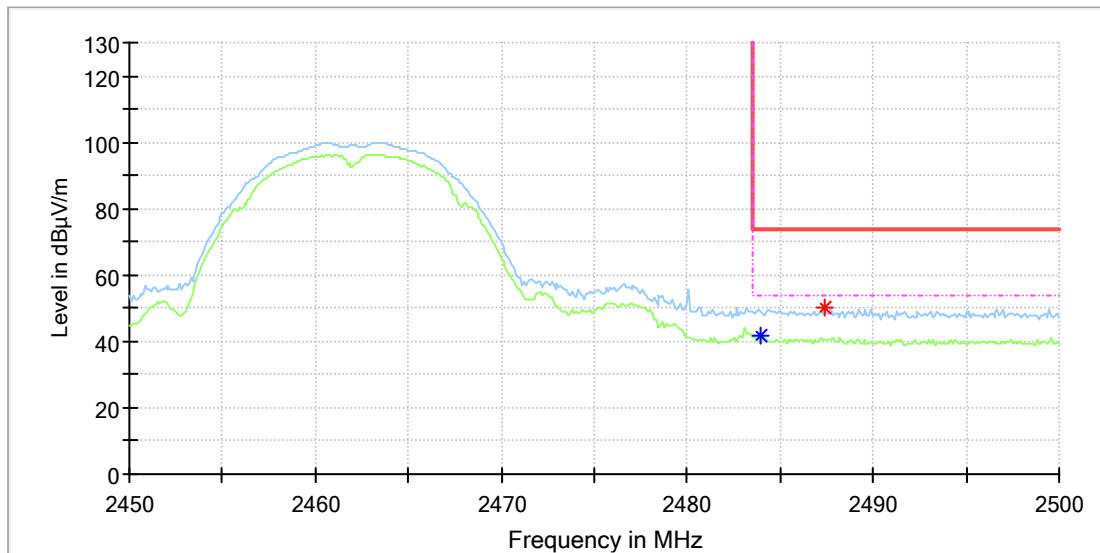
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2313.300000	---	45.16	54.00	8.84	100.0	V	170.0	6.5
2387.600000	54.38	---	74.00	19.62	100.0	V	160.0	7.0

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	System Controller
Model:	EL-SC-300
Test Mode:	WIFI 2.4G_11b_High channel
Order No/Sample No:	168339134/A003148741-001
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

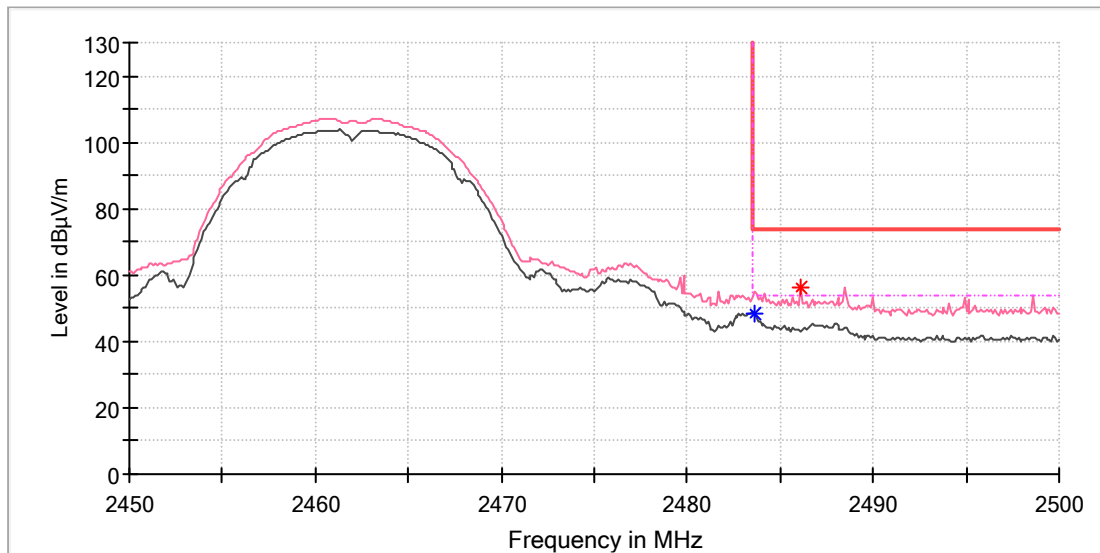
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.900000	---	41.81	54.00	12.19	100.0	H	124.0	7.4
2487.400000	50.30	---	74.00	23.70	100.0	H	217.0	7.4

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	System Controller
Model:	EL-SC-300
Test Mode:	WIFI 2.4G_11b_High channel
Order No/Sample No:	168339134/A003148741-001
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:50%
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)
2483.600000	---	48.37	54.00	5.63	100.0	V	154.0	7.4
2486.100000	56.29	---	74.00	17.71	100.0	V	210.0	7.4

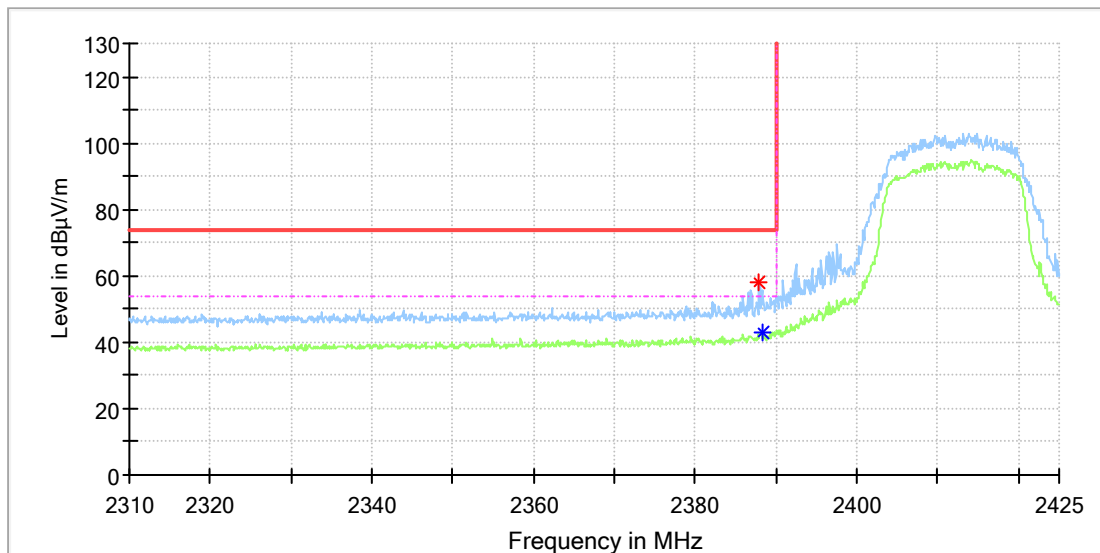
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Wi-Fi 802.11 g mode, 6 Mbps

EUT Information

EUT Name:	System Controller
Model:	EL-SC-300
Test Mode:	WIFI 2.4G_11g_Low channel
Order No/Sample No:	168339134/A003148741-001
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

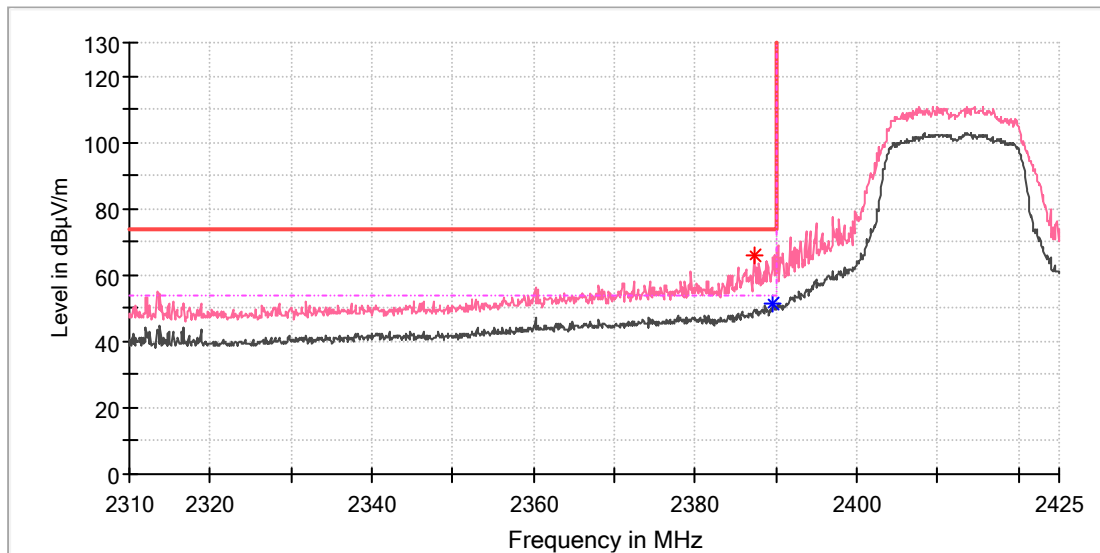
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2387.900000	57.83	---	74.00	16.17	100.0	H	330.0	7.0
2388.400000	---	42.75	54.00	11.25	100.0	H	226.0	7.0

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	System Controller
Model:	EL-SC-300
Test Mode:	WIFI 2.4G_11g_Low channel
Order No/Sample No:	168339134/A003148741-001
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

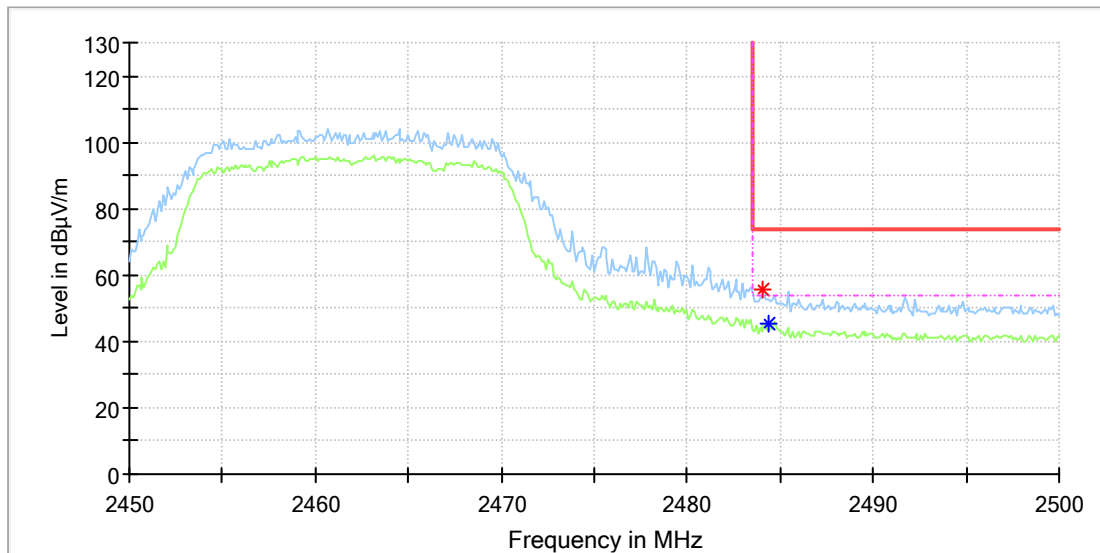
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2387.300000	66.06	---	74.00	7.94	100.0	V	198.0	7.0
2389.600000	---	51.51	54.00	2.49	100.0	V	170.0	7.0

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	System Controller
Model:	EL-SC-300
Test Mode:	WIFI 2.4G_11g_High channel
Order No/Sample No:	168339134/A003148741-001
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

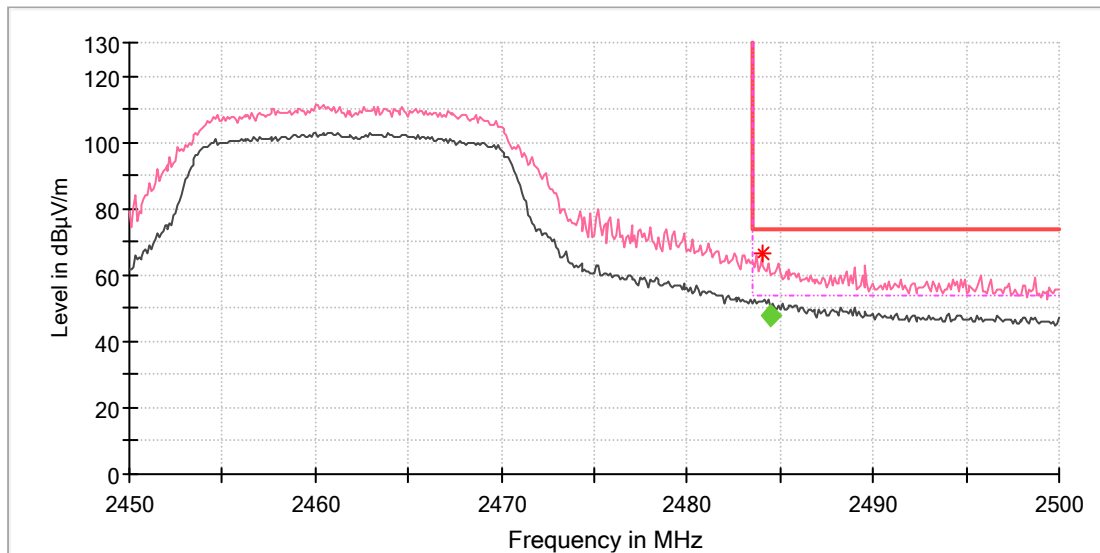
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.100000	55.55	---	74.00	18.45	100.0	H	127.0	7.4
2484.400000	---	45.15	54.00	8.85	100.0	H	127.0	7.4

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	System Controller
Model:	EL-SC-300
Test Mode:	WIFI 2.4G_11g_High channel
Order No/Sample No:	168339134/A003148741-001
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:50%
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)
2484.000000	66.26	---	74.00	7.74	100.0	V	177.0	7.4

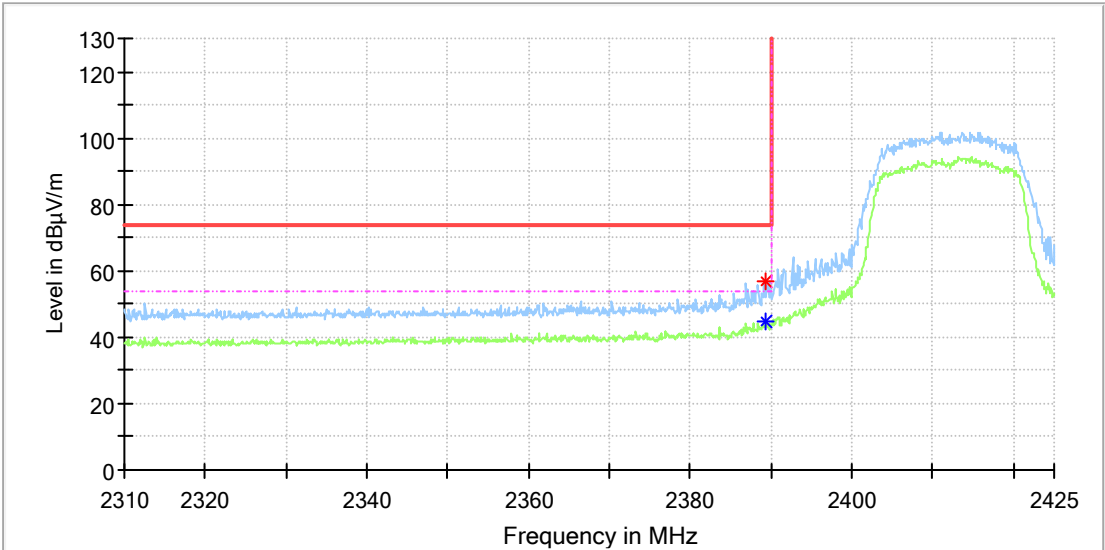
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.463650	47.82	54.00	6.18	105.0	V	152.0	7.4

Wi-Fi 802.11 n(HT20) mode, MCS0

EUT Information

EUT Name:	System Controller
Model:	EL-SC-300
Test Mode:	WIFI 2.4G_11n_Low channel
Order No/Sample No:	168339134/A003148741-001
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

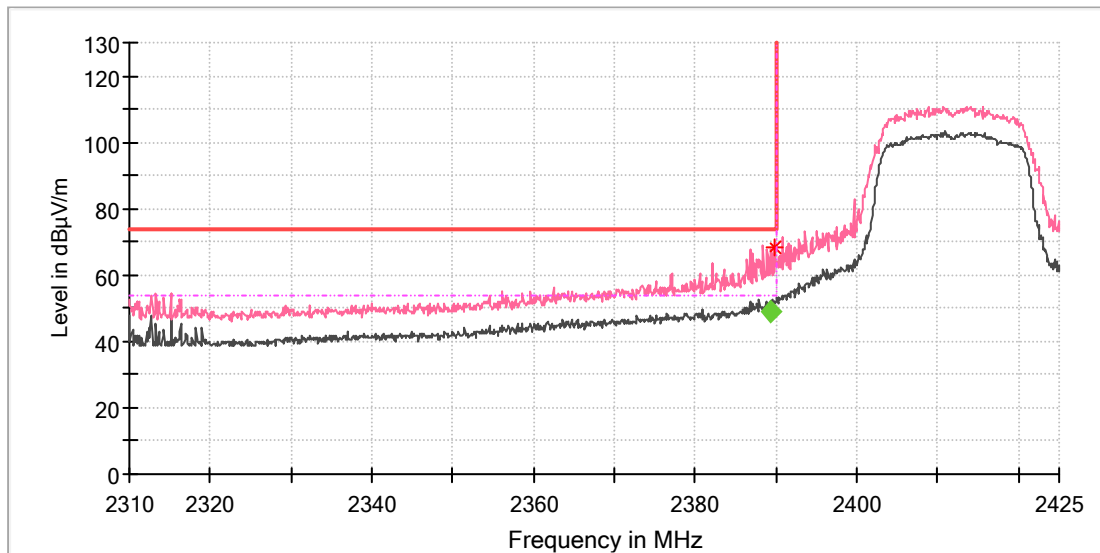
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.200000	57.09	---	74.00	16.91	100.0	H	244.0	7.0
2389.400000	---	44.62	54.00	9.38	100.0	H	336.0	7.0

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	System Controller
Model:	EL-SC-300
Test Mode:	WIFI 2.4G_11n_Low channel
Order No/Sample No:	168339134/A003148741-001
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

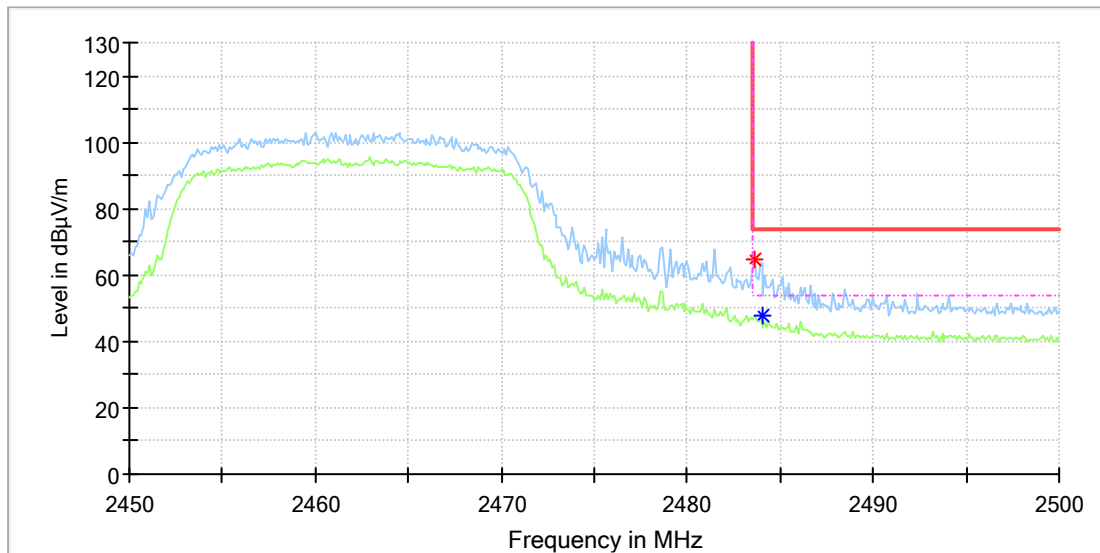
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.800000	68.36	---	74.00	5.64	100.0	V	200.0	7.0

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.409300	48.97	54.00	5.03	105.0	V	158.0	7.0

EUT Information

EUT Name: System Controller
 Model: EL-SC-300
 Test Mode: WIFI 2.4G_11n_High channel
 Order No/Sample No: 168339134/A003148741-001
 Test Voltage:: 120V/60Hz
 Remark: Temp 24 Humi:50%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

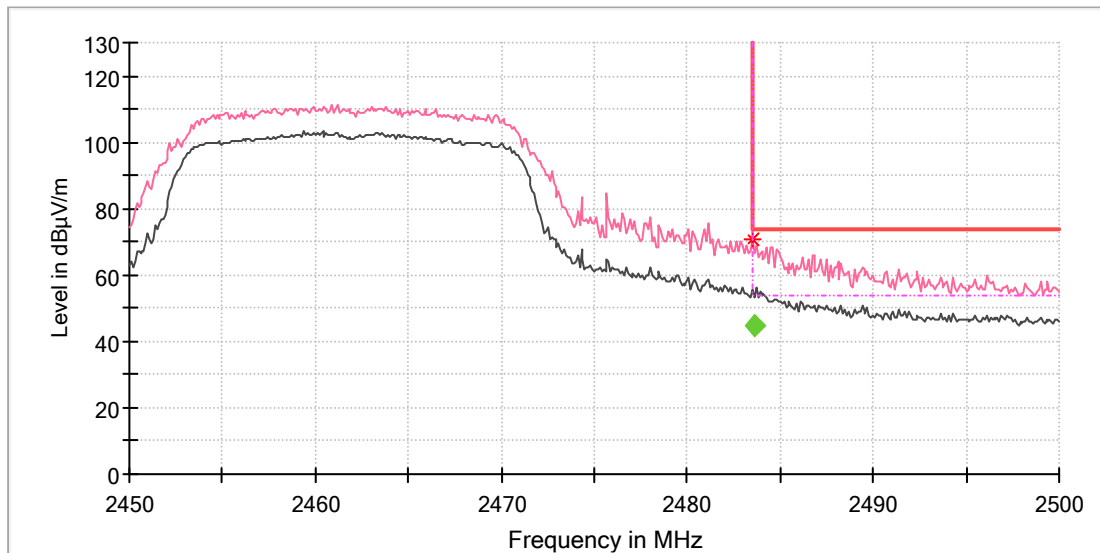
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.600000	64.61	---	74.00	9.39	100.0	H	129.0	7.4
2484.000000	---	47.73	54.00	6.27	100.0	H	120.0	7.4

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	System Controller
Model:	EL-SC-300
Test Mode:	WIFI 2.4G_11n_High channel
Order No/Sample No:	168339134/A003148741-001
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:50%
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)
2483.500000	70.76	---	74.00	3.24	100.0	V	175.0	7.4

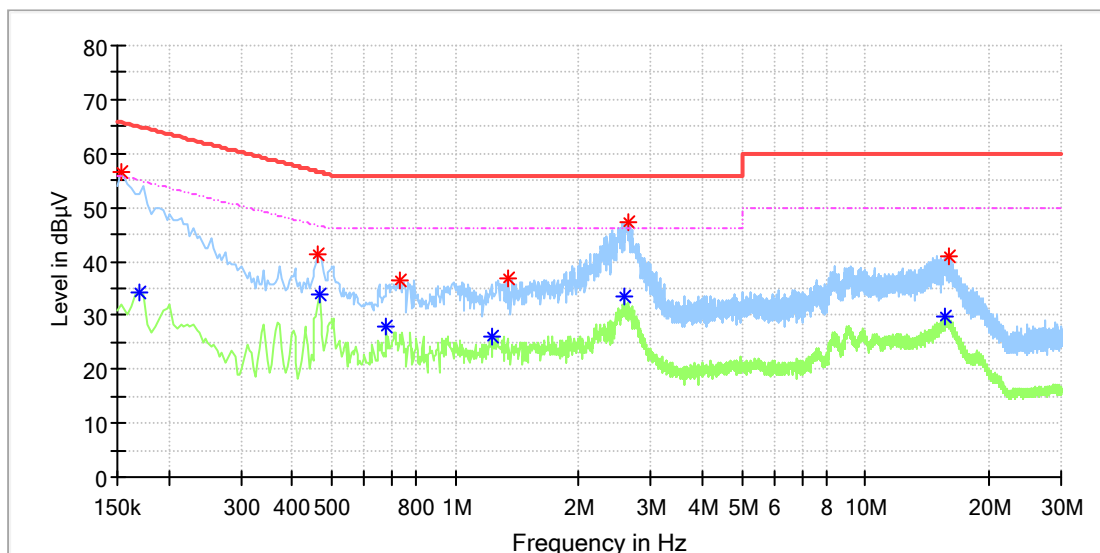
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.666500	44.72	54.00	9.28	105.0	V	247.0	7.4

Appendix B.8: Test Results of Conducted Emission on AC Mains

EUT Information

EUT Name:	System Controller
Order No:	168339134 100
Model:	EL-SC-300
Test Mode:	WIFI Connecting
Test Voltage:	AC 120V/60Hz
Test By:	Shower Dai
Review By:	Gary Chen
Remark:	SR1

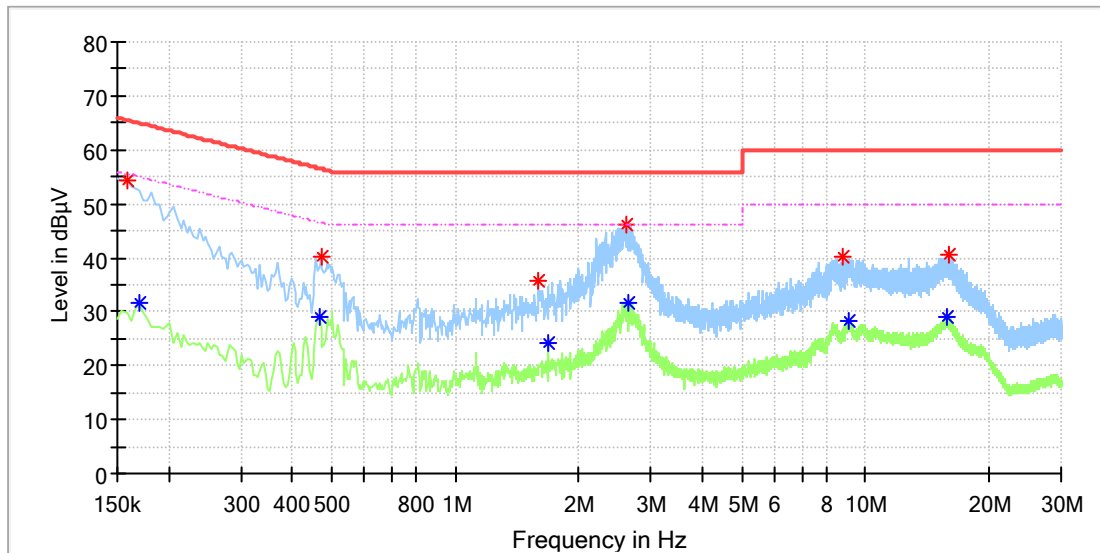


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.154000	56.68	---	65.78	9.10	L1	9.6
0.170000	---	34.41	54.96	20.55	L1	9.6
0.462000	41.27	---	56.66	15.38	L1	9.7
0.466000	---	33.70	46.59	12.88	L1	9.7
0.680000	---	27.89	46.00	18.11	L1	9.7
0.736000	36.51	---	56.00	19.49	L1	9.7
1.224000	---	26.13	46.00	19.87	L1	9.7
1.340000	37.02	---	56.00	18.98	L1	9.7
2.588000	---	33.58	46.00	12.42	L1	9.9
2.648000	47.35	---	56.00	8.65	L1	9.9
15.696000	---	29.74	50.00	20.26	L1	10.2
15.908000	41.02	---	60.00	18.98	L1	10.2

EUT Information

EUT Name:	System Controller
Order No:	168339134 100
Model:	EL-SC-300
Test Mode:	WIFI Connecting
Test Voltage:	AC 120V/60Hz
Test By:	Shower Dai
Review By:	Gary Chen
Remark:	SR1



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.158000	54.25	---	65.57	11.31	N	9.6
0.170000	---	31.46	54.96	23.50	N	9.6
0.466000	---	29.10	46.59	17.49	N	9.7
0.470000	40.03	---	56.51	16.48	N	9.7
1.596000	35.87	---	56.00	20.13	N	9.7
1.684000	---	24.37	46.00	21.63	N	9.7
2.616000	46.26	---	56.00	9.74	N	9.9
2.632000	---	31.59	46.00	14.41	N	9.9
8.852000	40.19	---	60.00	19.81	N	10.0
9.132000	---	28.18	50.00	21.82	N	10.0
15.880000	---	29.10	50.00	20.90	N	10.2
16.000000	40.69	---	60.00	19.31	N	10.2