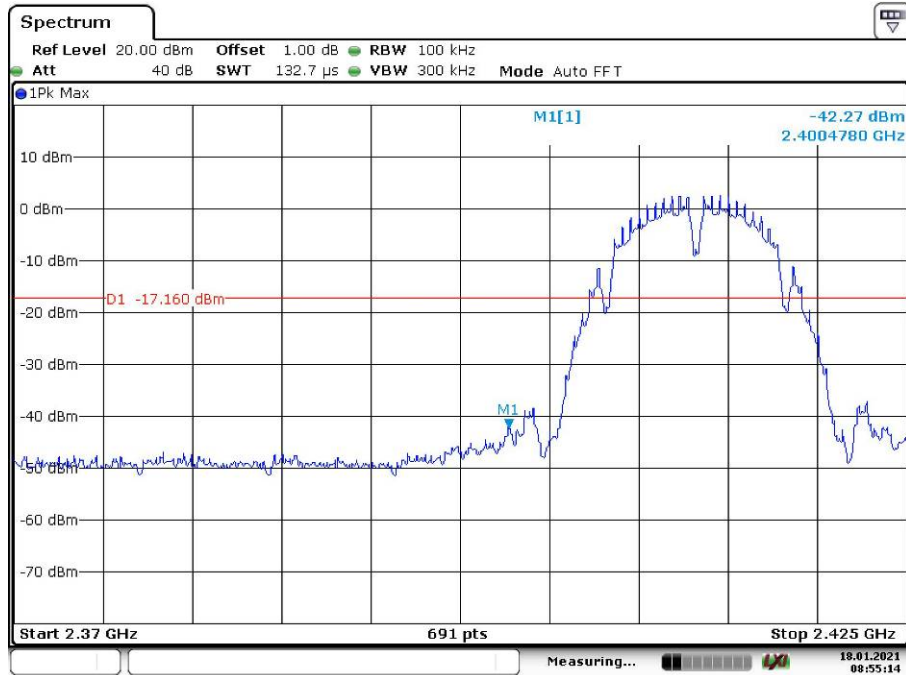


### Wi-Fi 802.11 b mode, Band Edge

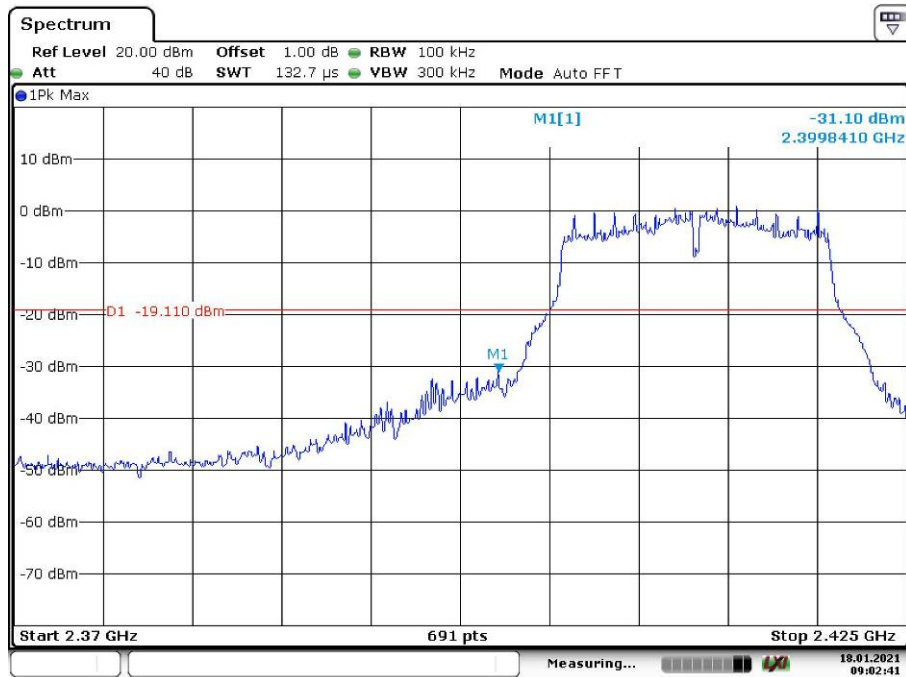


Date: 18.JAN.2021 08:55:14

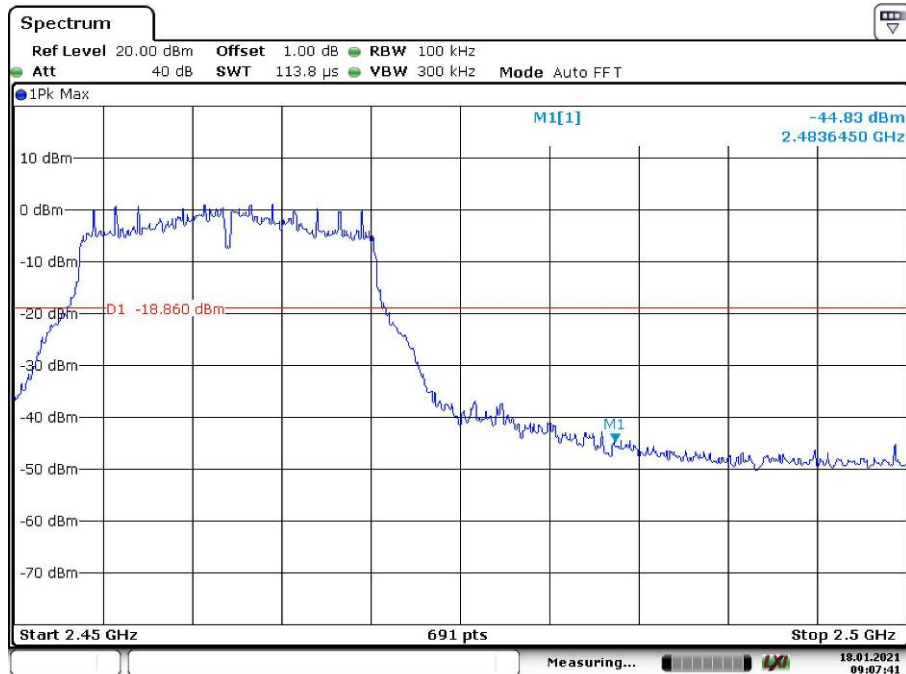


Date: 18.JAN.2021 09:00:37

### Wi-Fi 802.11 g mode, Band Edge

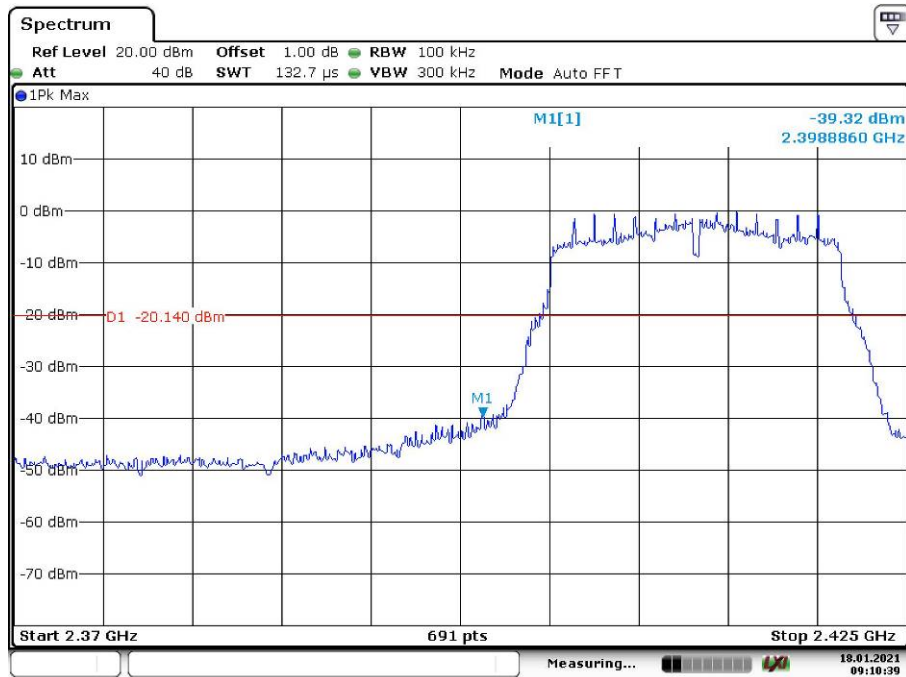


Date: 18.JAN.2021 09:02:41

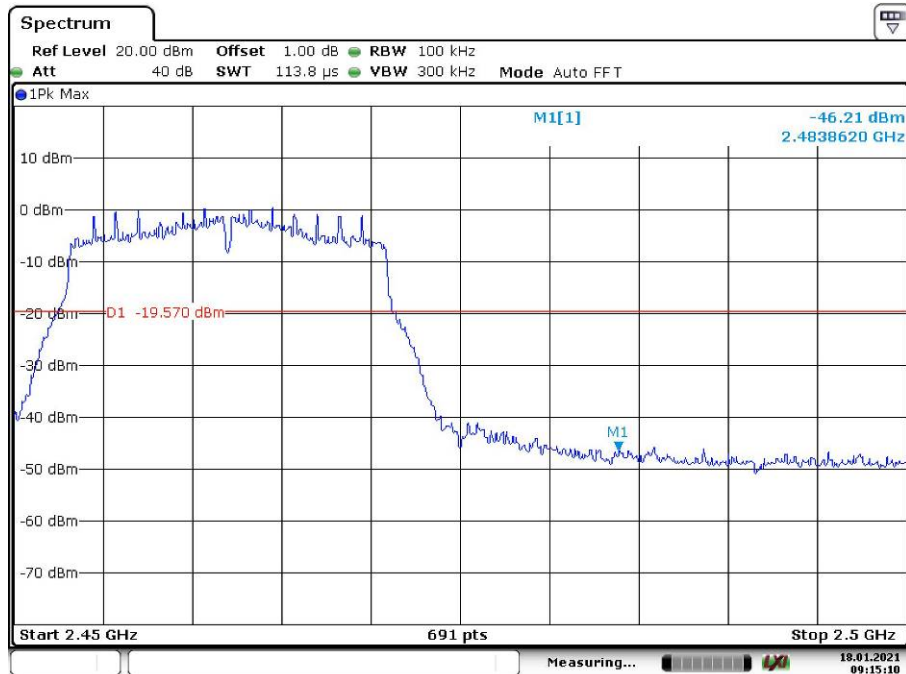


Date: 18.JAN.2021 09:07:41

### Wi-Fi 802.11 n(HT20) mode, Band Edge



Date: 18.JAN.2021 09:10:39



Date: 18.JAN.2021 09:15:10

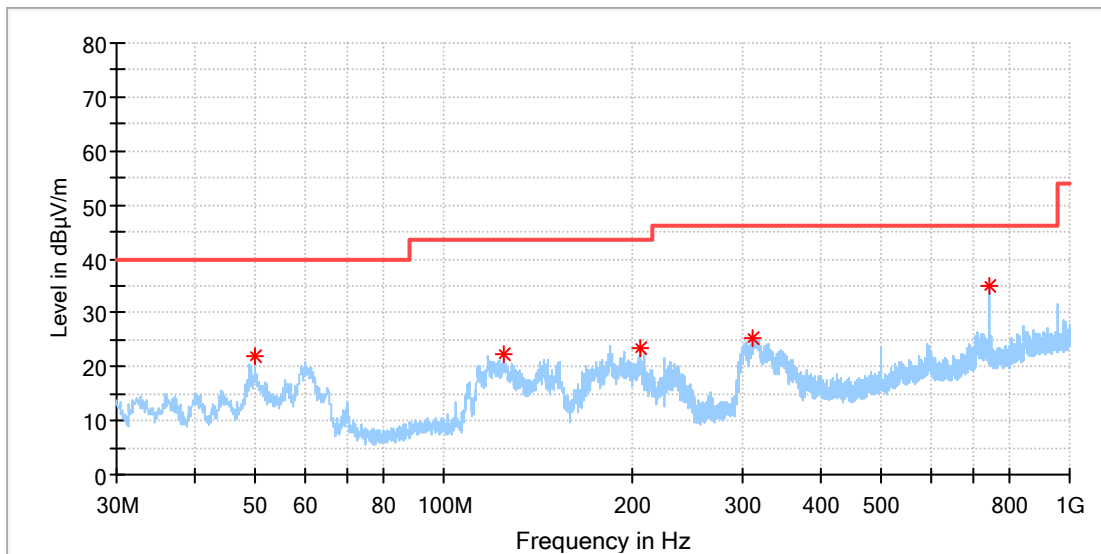
Note: Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

### Appendix B.5: Test Results of Radiated Spurious Emissions

30MHz - 1GHz (Worst case)  
 Wi-Fi 802.11 b mode, 1 Mbps

#### EUT Information

EUT Name:	System Controller
Model:	EL-SC-300
Test Mode:	WiFi 2.4G_11b_Ch1
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



#### Critical Freqs

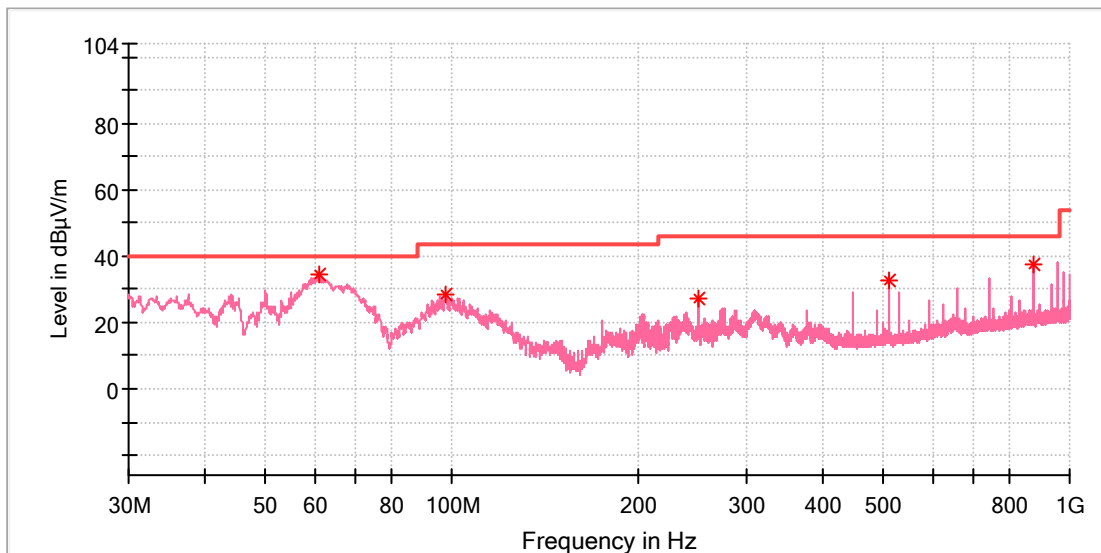
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.982000	22.14	---	40.00	17.86	100.0	H	328.0	-18.6
124.963000	22.24	---	43.50	21.26	100.0	H	131.0	-21.6
205.376000	23.59	---	43.50	19.91	100.0	H	249.0	-19.2
312.415500	25.19	---	46.00	20.81	100.0	H	268.0	-16.3
742.513500	34.98	---	46.00	11.02	100.0	H	131.0	-7.7

#### Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	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\_Ch1  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 23 Humi:48%  
 Test Standard: FCC 15.247  
 Tested By: Alano Qu  
 Reviewed By: Terry Yin



### Critical Freqs

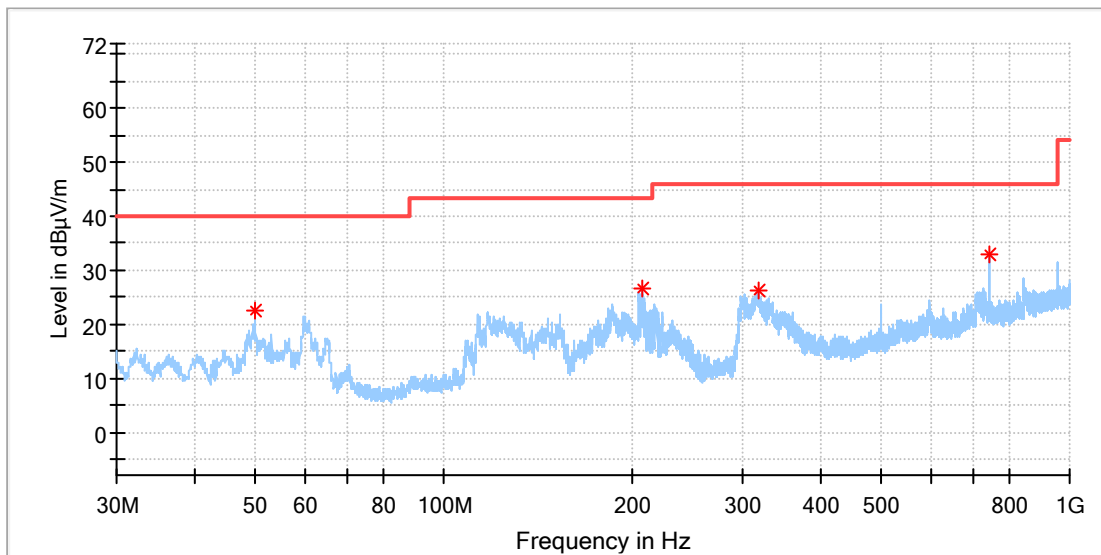
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
60.846000	34.67	---	40.00	5.33	100.0	V	325.0	-19.2
97.754500	28.49	---	43.50	15.01	100.0	V	30.0	-19.3
249.996000	27.04	---	46.00	18.96	100.0	V	271.0	-17.4
509.131500	32.64	---	46.00	13.36	100.0	V	50.0	-11.7
874.967000	37.59	---	46.00	8.41	100.0	V	291.0	-5.2

### Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	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\_Ch11  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 24 Humi:47%  
 Test Standard: FCC 15.247  
 Tested By: Alano Qu  
 Reviewed By: Terry Yin



### Critical Freqs

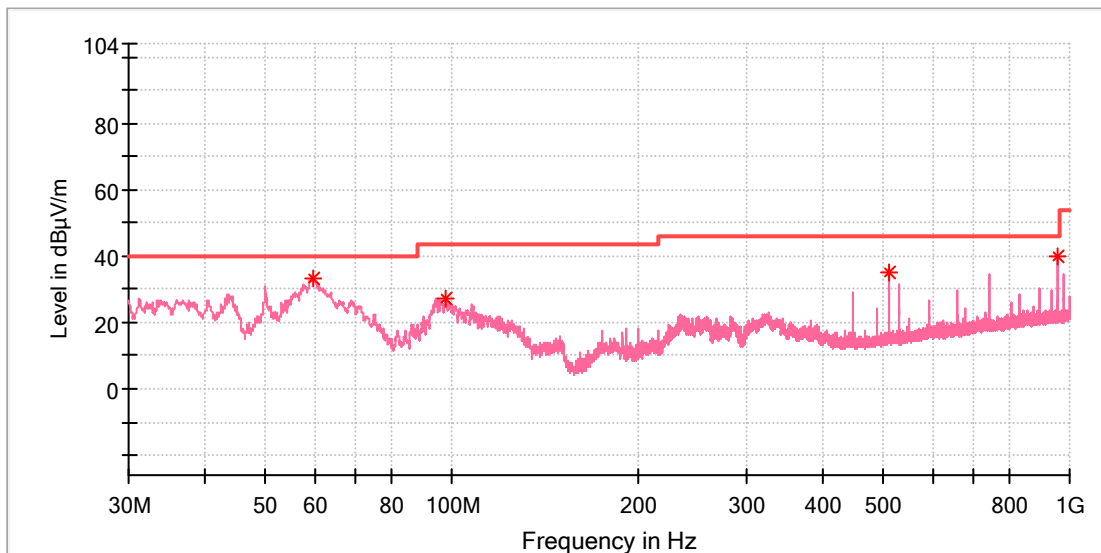
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.982000	22.51	---	40.00	17.49	100.0	H	272.0	-18.6
207.025000	26.69	---	43.50	16.81	100.0	H	313.0	-19.2
319.448000	26.30	---	46.00	19.70	100.0	H	283.0	-16.1
742.465000	33.05	---	46.00	12.95	100.0	H	113.0	-7.7

### Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	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_Ch11
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.247
Tested By:	Alano Qu
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)
59.633500	33.41	---	40.00	6.59	100.0	V	83.0	-18.9
97.754500	27.20	---	43.50	16.30	100.0	V	128.0	-19.3
509.131500	34.78	---	46.00	11.22	100.0	V	192.0	-11.7
954.652500	39.94	---	46.00	6.06	100.0	V	221.0	-4.3

### Final Result

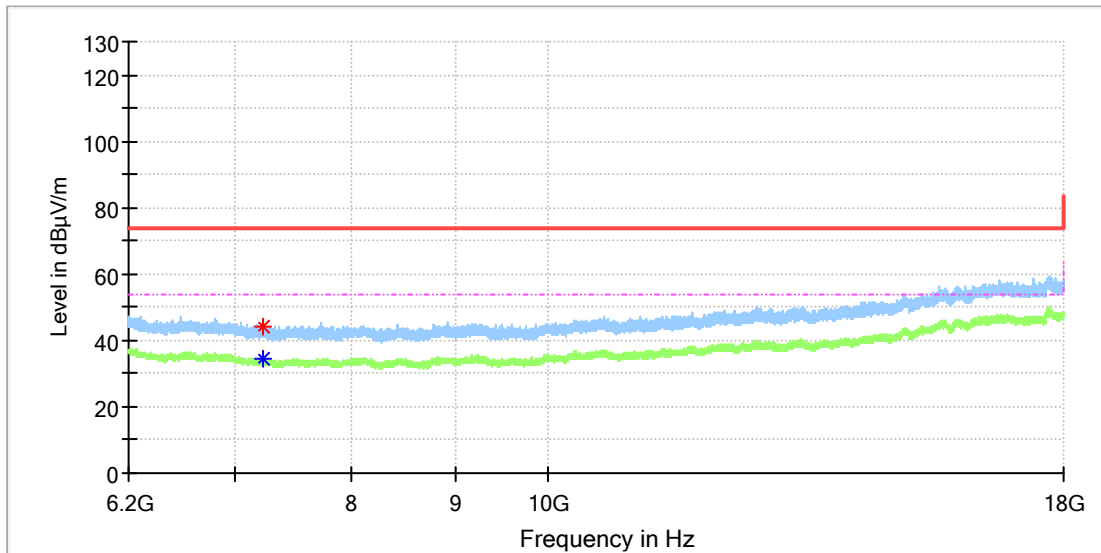
Frequency (MHz)	QuasiPeak (dBµV/m)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---





### EUT Information

EUT Name:	System Controller
Model:	EL-SC-300
Test Mode:	WiFi 2.4G_11b_Ch1
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Alano Qu
Reviewed By:	Terry Yin



### Critical Freqs

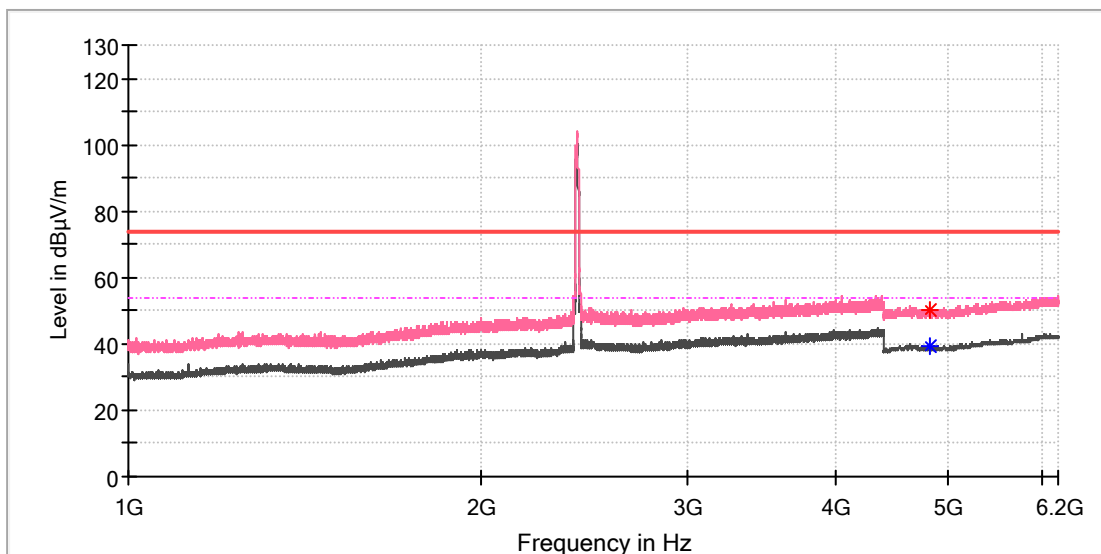
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7232.991667	---	34.50	54.00	19.50	100.0	H	2.0	8.6
7234.958333	44.09	---	74.00	29.91	100.0	H	180.0	8.6

### Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	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\_Ch1  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 22 Humi:50%  
 Test Standard: FCC 15.247  
 Tested By: Alano Qu  
 Reviewed By: Terry Yin



### Critical\_Freqs

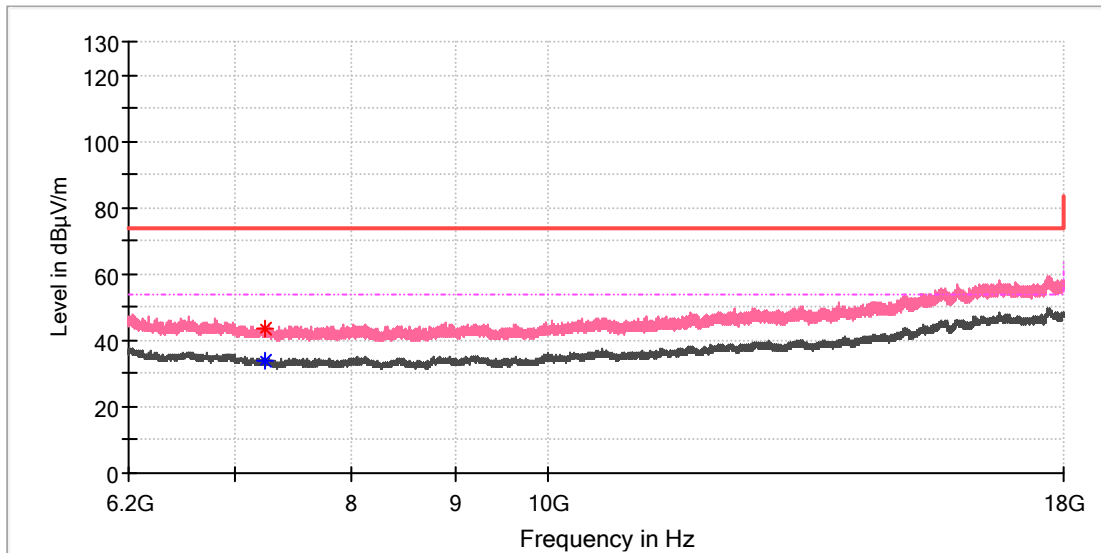
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4819.000000	50.15	---	74.00	23.85	100.0	V	358.0	11.8
4821.000000	---	39.15	54.00	14.85	100.0	V	342.0	11.8

### Final\_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	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_Ch1
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Alano Qu
Reviewed By:	Terry Yin



### Critical Freqs

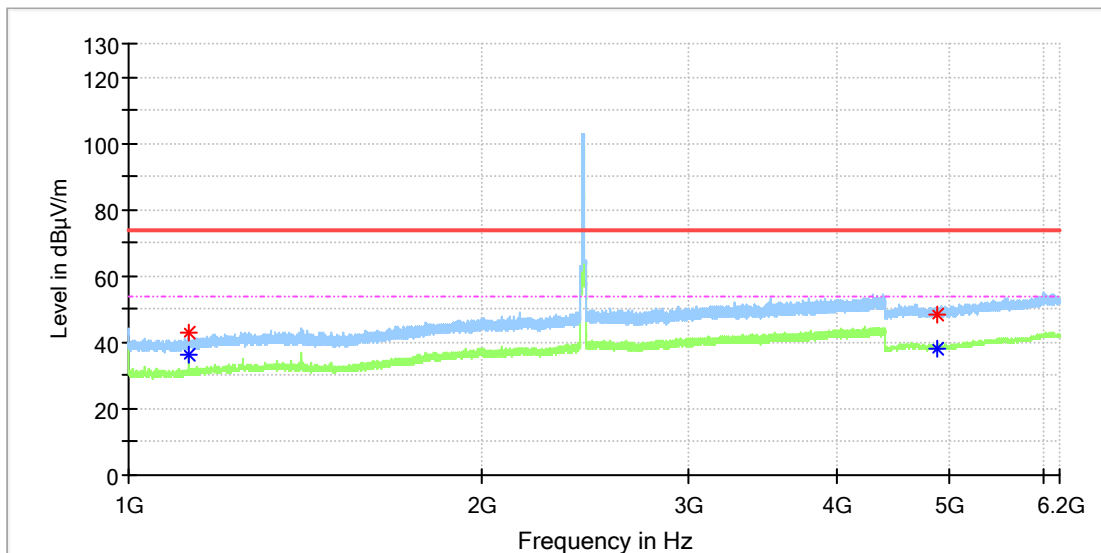
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7236.433333	---	34.02	54.00	19.98	100.0	V	52.0	8.6
7236.433333	43.57	---	74.00	30.43	100.0	V	52.0	8.6

### Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	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\_Ch6  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 22 Humi:50%  
 Test Standard: FCC 15.247  
 Tested By: Alano Qu  
 Reviewed By: Terry Yin



### Critical Freqs

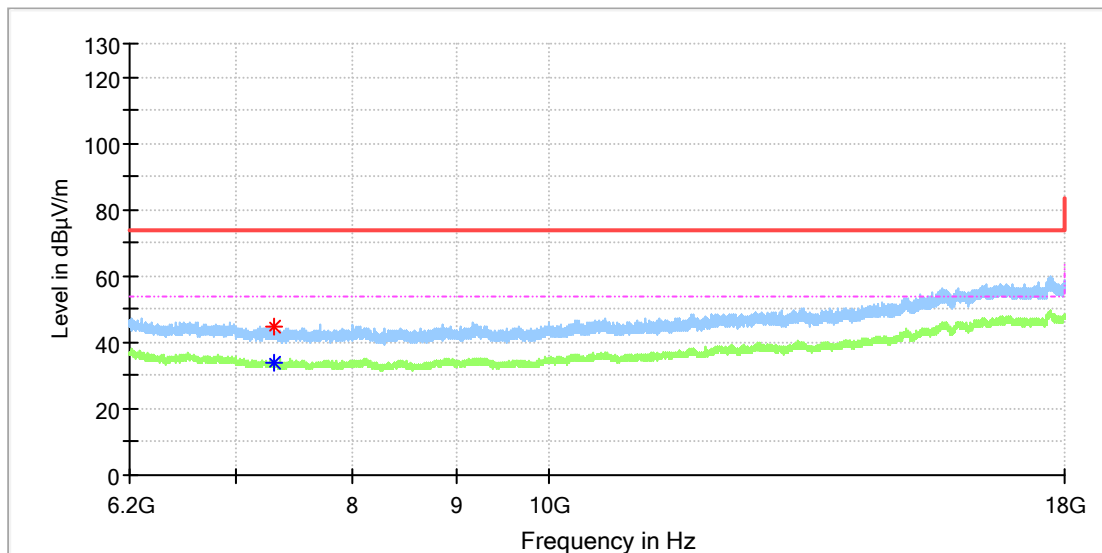
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1124.950000	42.96	---	74.00	31.04	100.0	H	90.0	0.3
1124.950000	---	36.52	54.00	17.48	100.0	H	90.0	0.3
4880.000000	---	38.31	54.00	15.69	100.0	H	294.0	11.8
4880.500000	48.66	---	74.00	25.34	100.0	H	184.0	11.8

### Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	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_Ch6
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Alano Qu
Reviewed By:	Terry Yin



### Critical Freqs

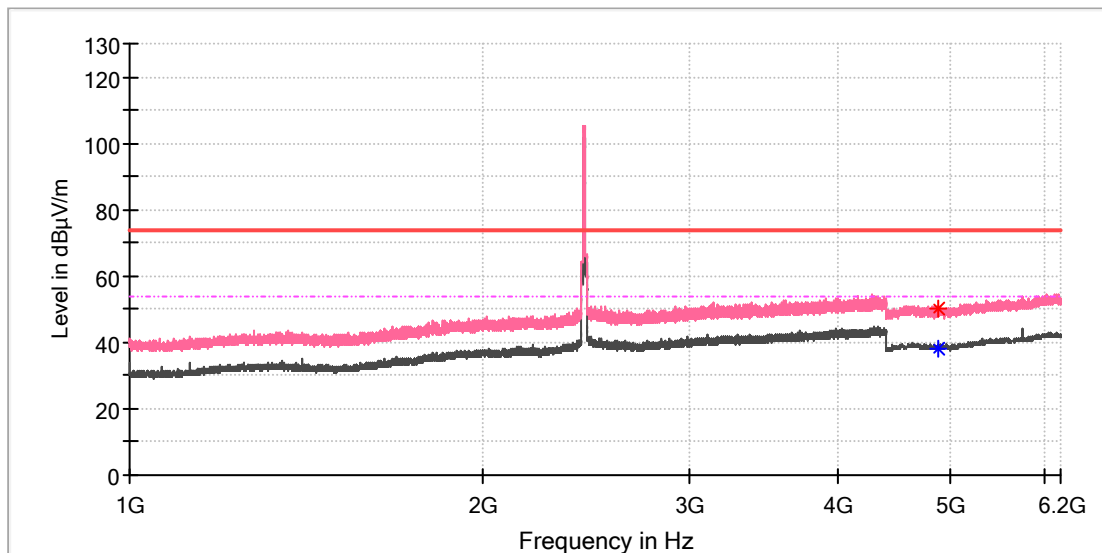
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7310.183333	44.64	---	74.00	29.36	100.0	H	52.0	8.2
7314.608333	---	33.69	54.00	20.31	100.0	H	267.0	8.2

### Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	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\_Ch6  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 22 Humi:50%  
 Test Standard: FCC 15.247  
 Tested By: Alano Qu  
 Reviewed By: Terry Yin



### Critical Freqs

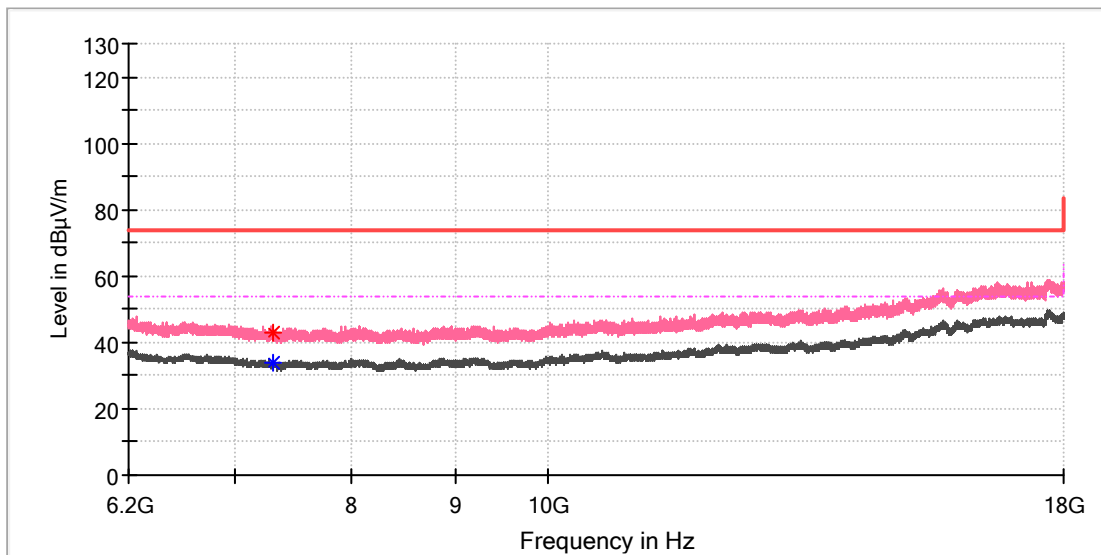
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4879.000000	50.13	---	74.00	23.87	100.0	V	301.0	11.8
4881.500000	---	38.18	54.00	15.82	100.0	V	141.0	11.8

### Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	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_Ch6
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Alano Qu
Reviewed By:	Terry Yin



### Critical Freqs

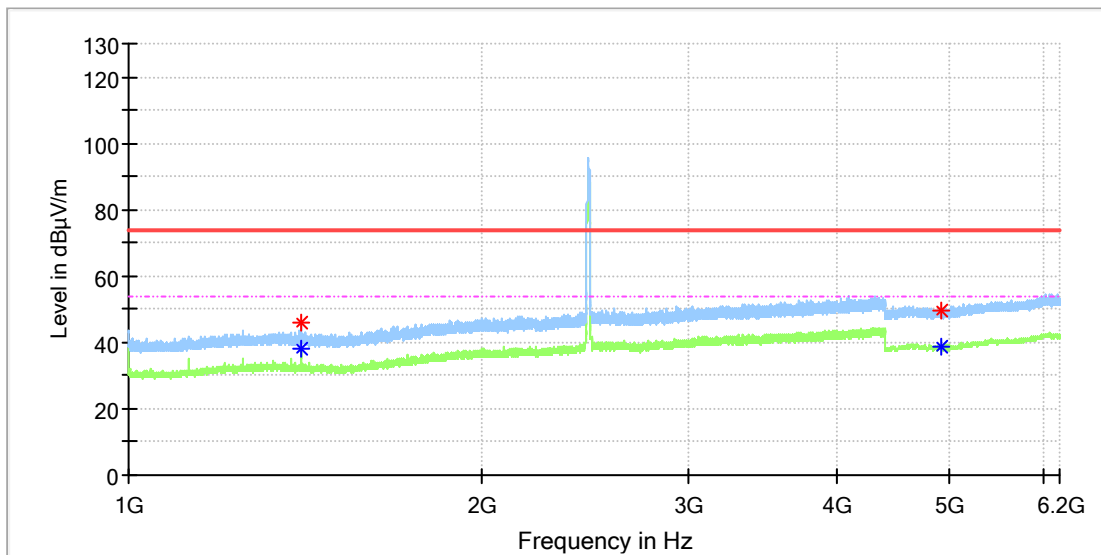
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7307.233333	---	33.93	54.00	20.07	100.0	V	162.0	8.3
7308.216667	43.01	---	74.00	30.99	100.0	V	23.0	8.2

### Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	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\_Ch11  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 22 Humi:50%  
 Test Standard: FCC 15.247  
 Tested By: Alano Qu  
 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)
1403.580000	45.81	---	74.00	28.19	100.0	H	89.0	1.7
1403.580000	---	38.13	54.00	15.87	100.0	H	89.0	1.7
4923.000000	---	38.74	54.00	15.26	100.0	H	100.0	11.8
4924.500000	49.49	---	74.00	24.51	100.0	H	269.0	11.8

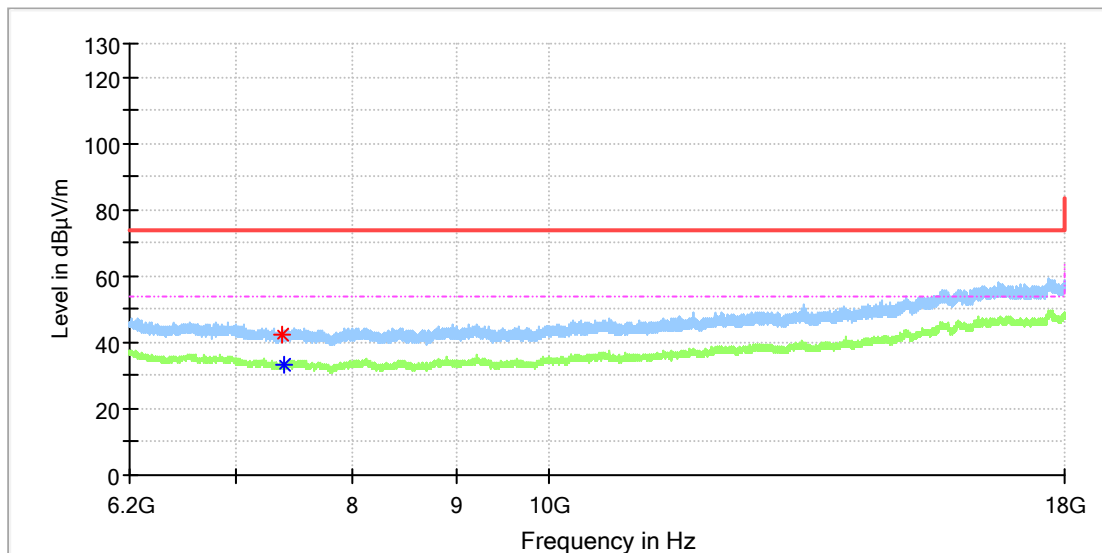
### Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	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_Ch11
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Alano Qu
Reviewed By:	Terry Yin



## Critical Freqs

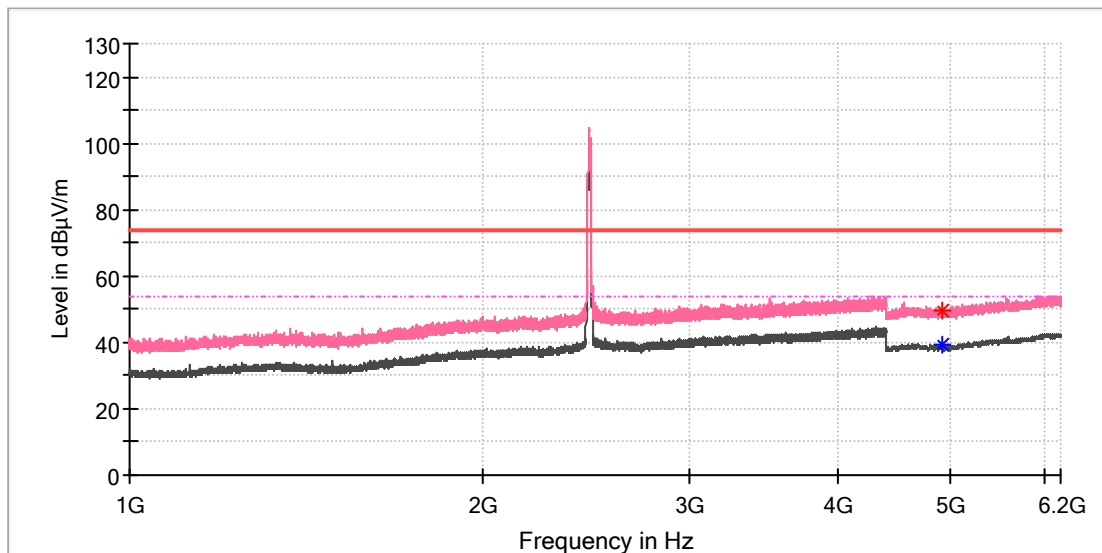
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7383.441667	42.44	---	74.00	31.56	100.0	H	106.0	8.2
7390.325000	---	33.40	54.00	20.60	100.0	H	309.0	8.2

## Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	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_Ch11
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Alano Qu
Reviewed By:	Terry Yin



### Critical Freqs

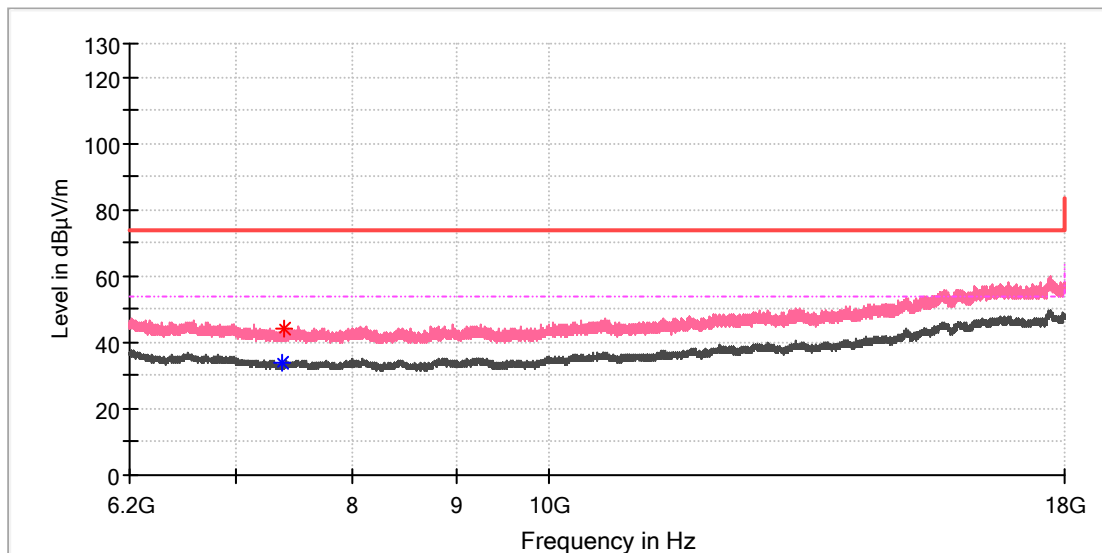
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4924.000000	---	39.05	54.00	14.95	100.0	V	267.0	11.8
4925.500000	49.67	---	74.00	24.33	100.0	V	168.0	11.8

### Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	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_Ch11
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Alano Qu
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)
7385.408333	---	33.57	54.00	20.43	100.0	V	321.0	8.2
7387.866667	43.88	---	74.00	30.12	100.0	V	293.0	8.2

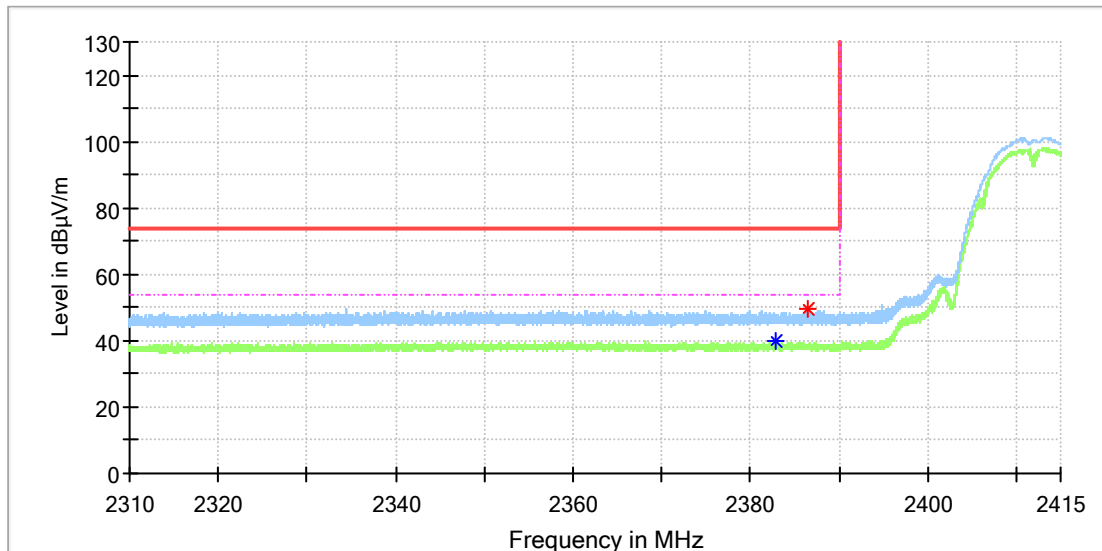
### Final Result

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

## Appendix B.6: 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_Ch1
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Alano Qu
Reviewed By:	Terry Yin



### Critical Freqs

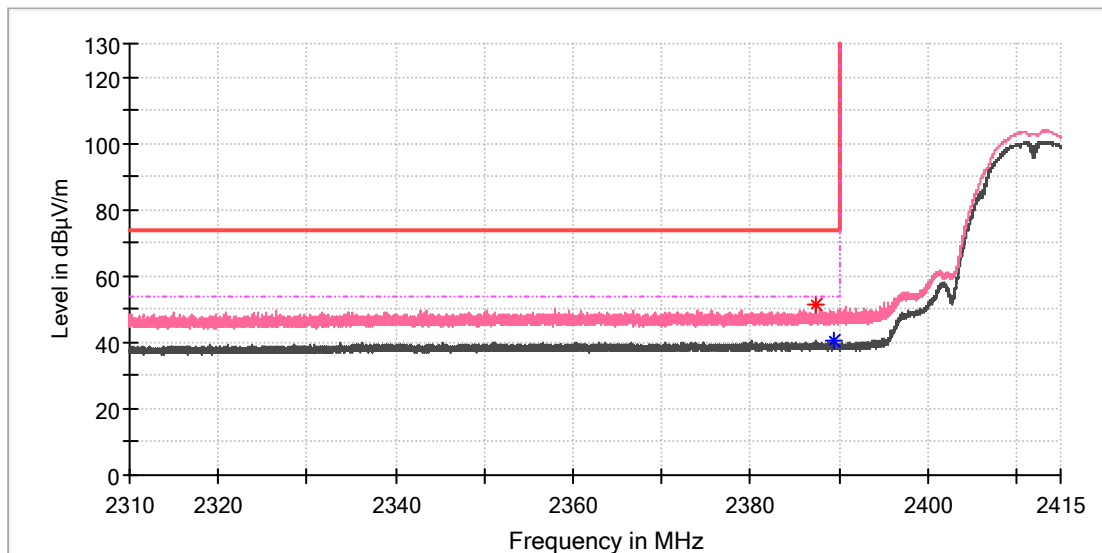
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2382.754500	---	39.82	54.00	14.18	100.0	H	292.0	7.0
2386.434750	49.41	---	74.00	24.59	100.0	H	19.0	7.0

### Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	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_Ch1
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Alano Qu
Reviewed By:	Terry Yin



### Critical Freqs

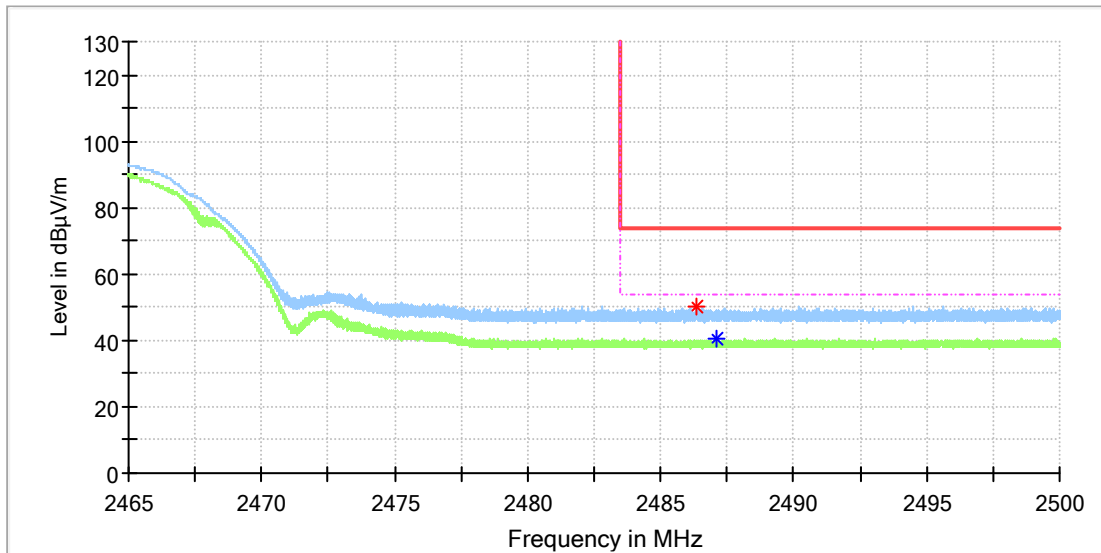
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2387.332500	51.12	---	74.00	22.88	100.0	V	277.0	7.0
2389.495500	---	40.36	54.00	13.64	100.0	V	337.0	7.0

### Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	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_Ch11
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Alano Qu
Reviewed By:	Terry Yin



### Critical Freqs

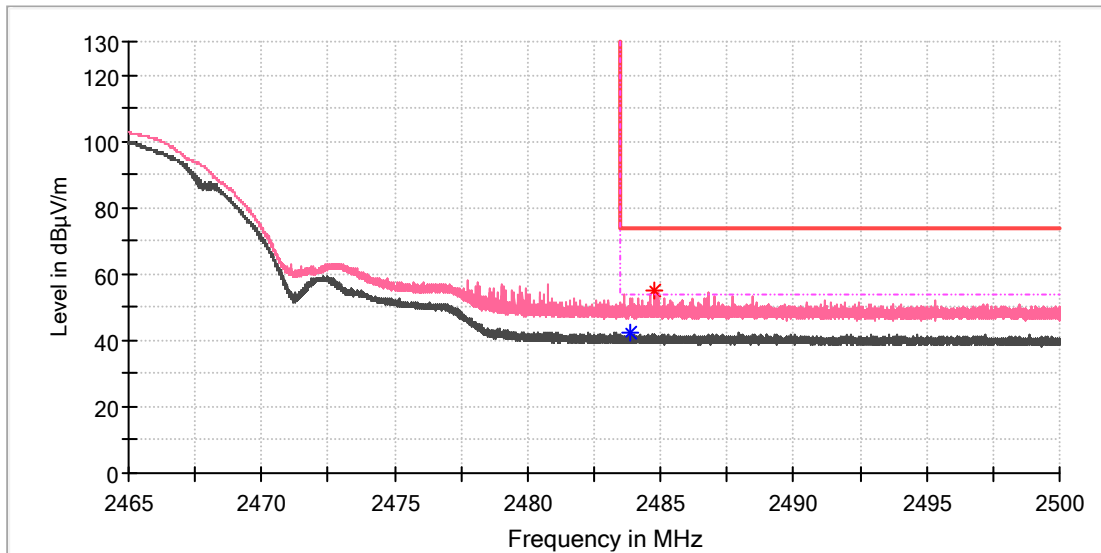
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2486.348250	50.16	---	74.00	23.84	100.0	H	232.0	7.4
2487.132250	---	40.49	54.00	13.51	100.0	H	251.0	7.4

### Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	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_Ch11
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Alano Qu
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)
2483.886000	---	42.32	54.00	11.68	100.0	V	3.0	7.4
2484.745250	54.74	---	74.00	19.26	100.0	V	13.0	7.4

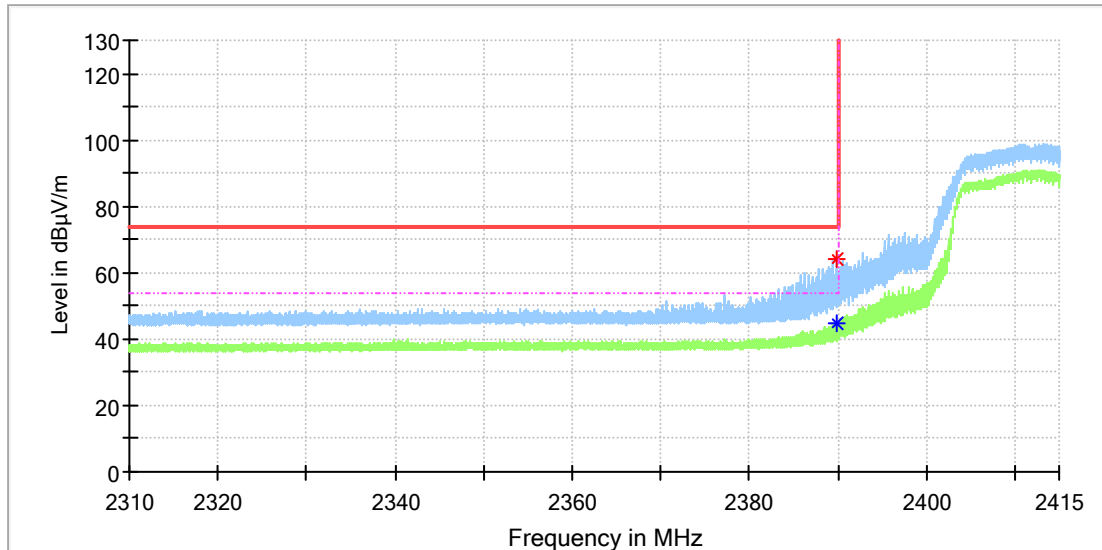
### Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	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_Ch1
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Alano Qu
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)
2389.889250	---	44.69	54.00	9.31	100.0	H	142.0	7.0
2389.952250	64.24	---	74.00	9.76	100.0	H	281.0	7.0

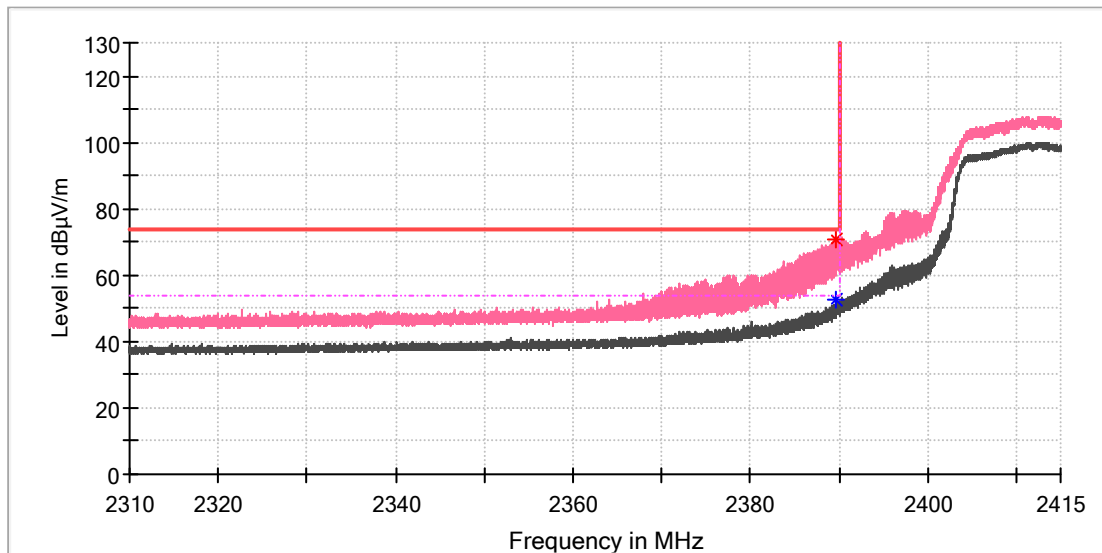
Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	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_Ch1
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Alano Qu
Reviewed By:	Terry Yin



### Critical Freqs

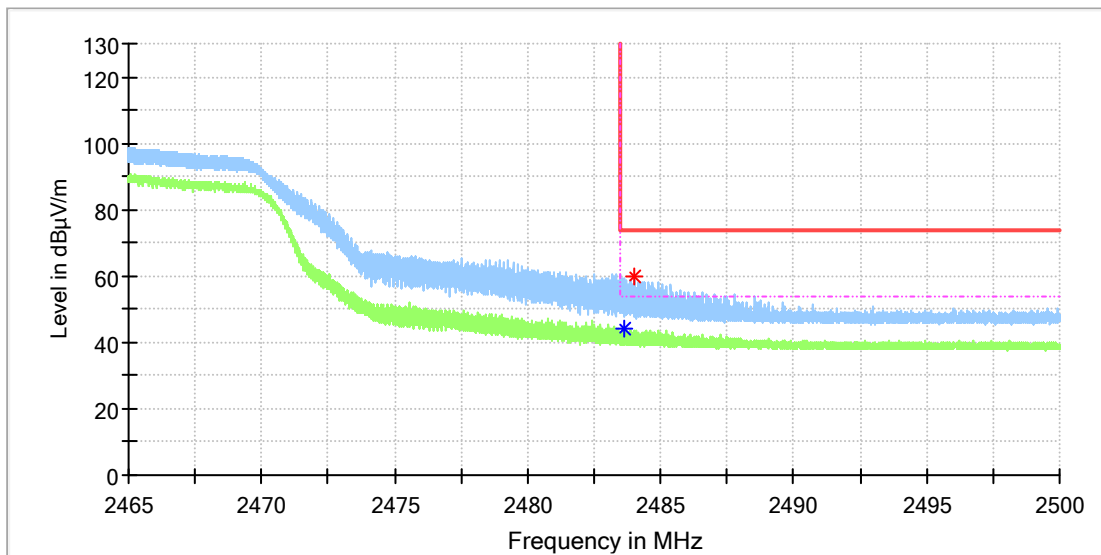
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.752750	70.98	---	74.00	3.02	100.0	V	6.0	7.0
2389.752750	---	52.82	54.00	1.18	100.0	V	6.0	7.0

### Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	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_Ch11
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Alano Qu
Reviewed By:	Terry Yin



### Critical Freqs

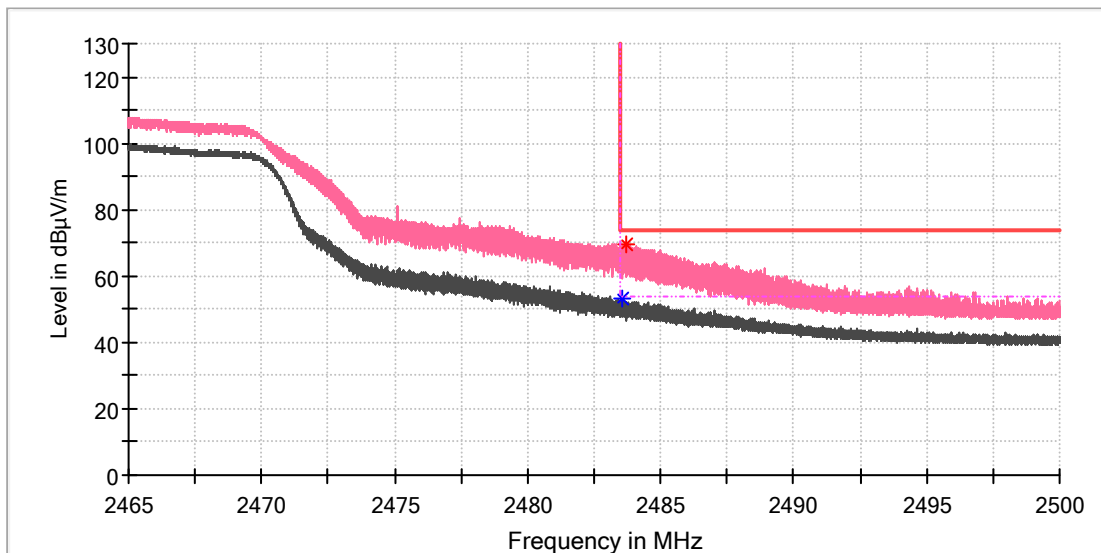
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.609500	---	44.43	54.00	9.57	100.0	H	275.0	7.4
2484.045250	59.64	---	74.00	14.36	100.0	H	275.0	7.4

### Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	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_Ch11
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Alano Qu
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)
2483.588500	---	52.99	54.00	1.01	100.0	V	0.0	7.4
2483.688250	69.36	---	74.00	4.64	100.0	V	6.0	7.4

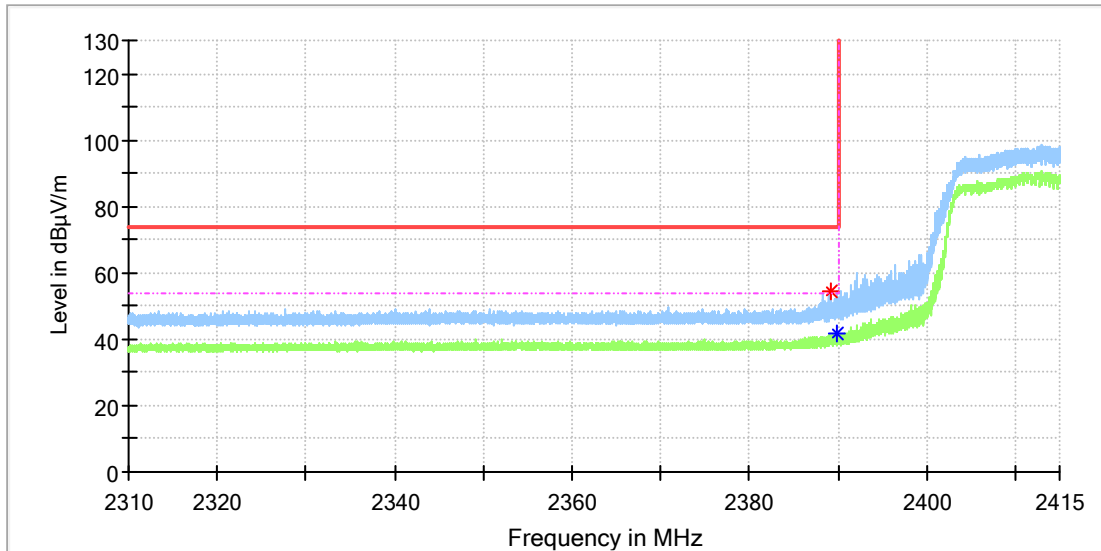
### Final Result

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

Wi-Fi 802.11 n(HT20) mode, MCS0

EUT Information

EUT Name:	System Controller
Model:	EL-SC-300
Test Mode:	WiFi 2.4G_11n20_Ch11
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Alano Qu
Reviewed By:	Terry Yin



Critical Freqs

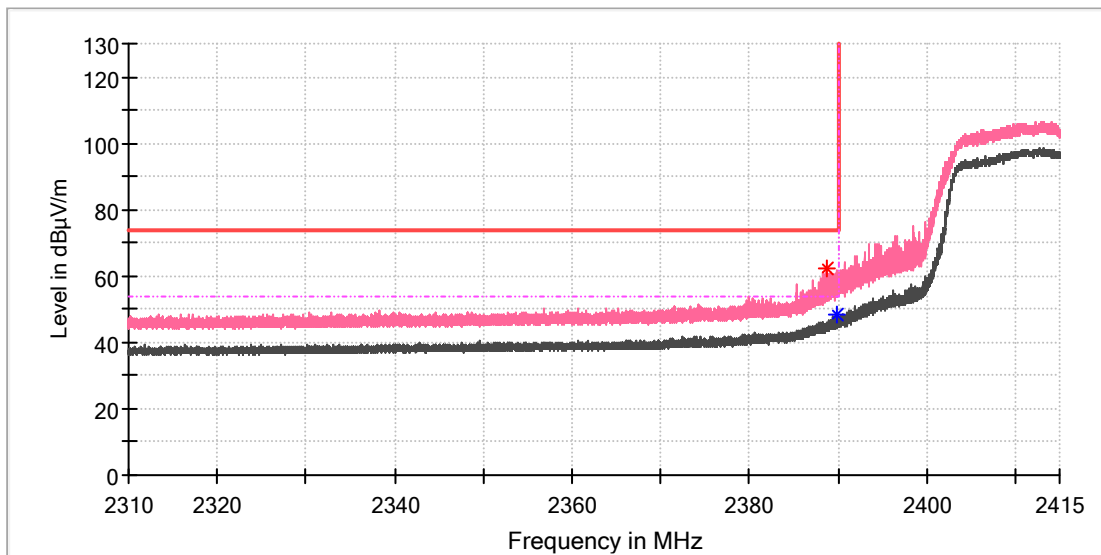
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.280250	54.46	---	74.00	19.54	100.0	H	268.0	7.0
2389.947000	---	41.57	54.00	12.43	100.0	H	142.0	7.0

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	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\_11n20\_Ch11  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 22 Humi:50%  
 Test Standard: FCC 15.247  
 Tested By: Alano Qu  
 Reviewed By: Terry Yin



### Critical Freqs

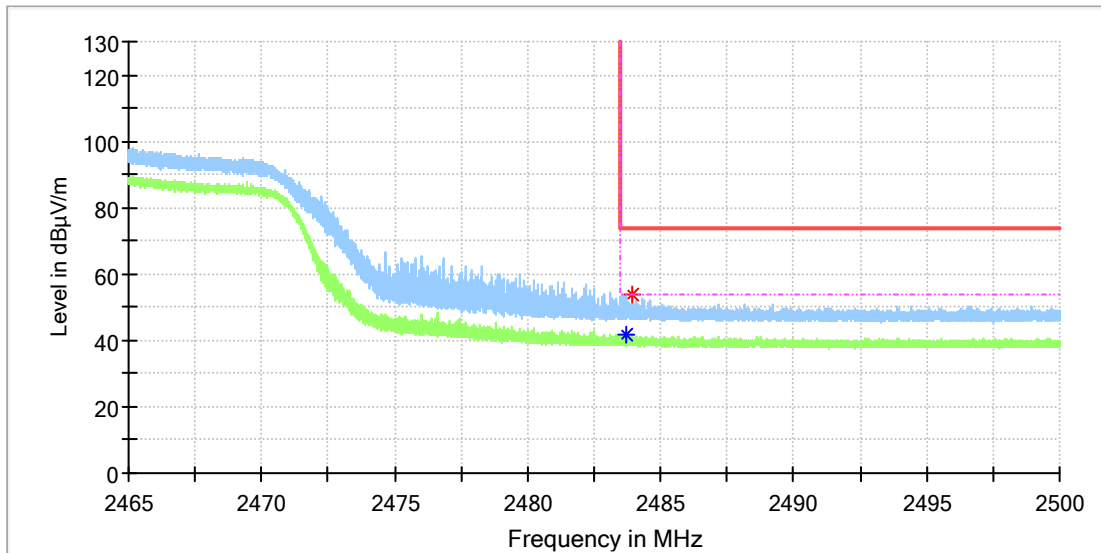
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.744750	62.04	---	74.00	11.96	100.0	V	0.0	7.0
2389.836750	---	48.51	54.00	5.49	100.0	V	356.0	7.0

### Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	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_11n20_Ch11
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Alano Qu
Reviewed By:	Terry Yin



### Critical Freqs

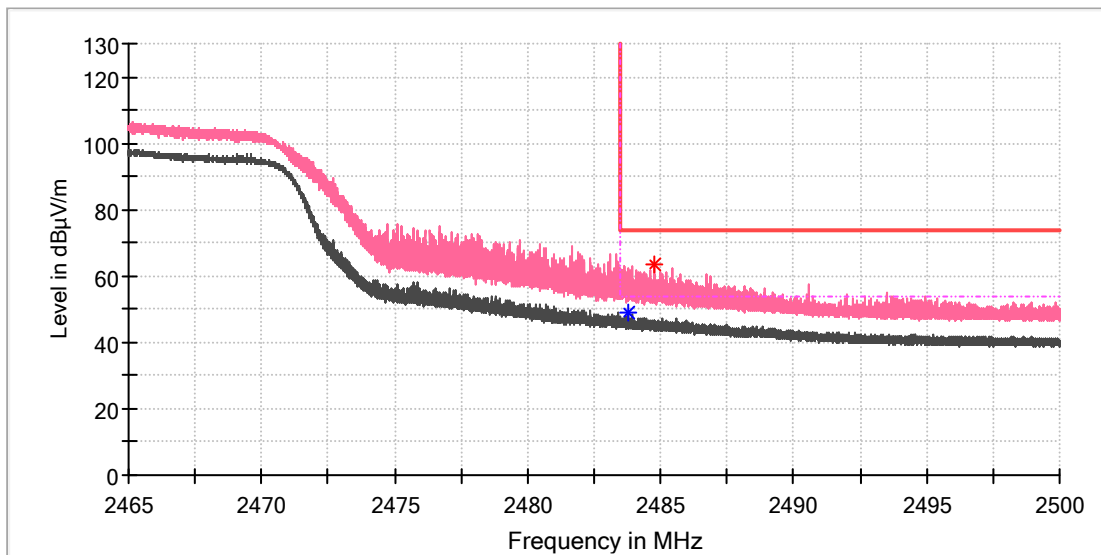
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.705750	---	41.46	54.00	12.54	100.0	H	138.0	7.4
2483.950750	54.09	---	74.00	19.91	100.0	H	275.0	7.4

### Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	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_11n20_Ch11
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Alano Qu
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)
2483.784500	---	49.01	54.00	4.99	100.0	V	0.0	7.4
2484.736500	63.64	---	74.00	10.36	100.0	V	0.0	7.4

### Final Result

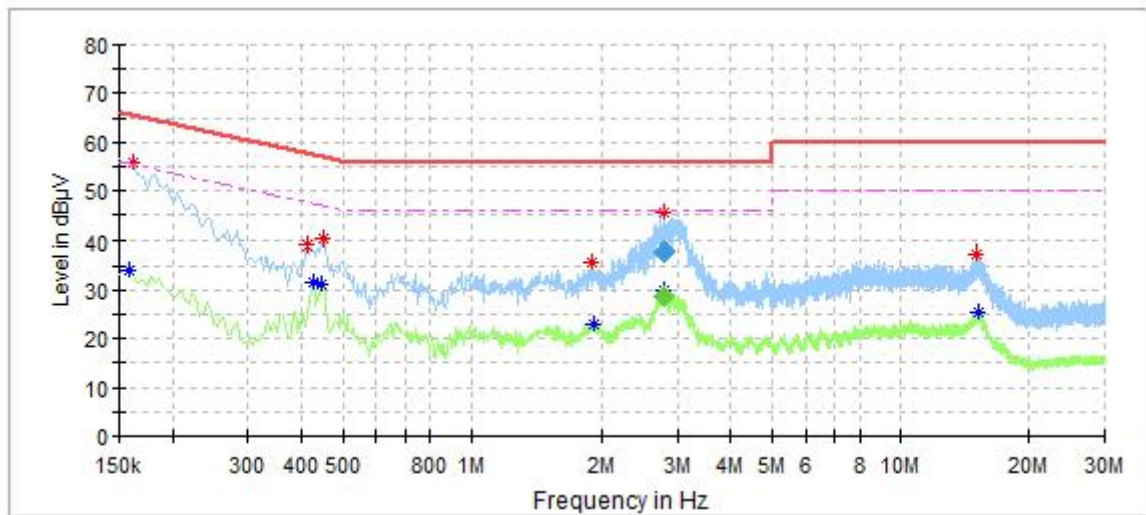
Frequency (MHz)	QuasiPeak (dBµV/m)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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## Appendix B.7: Test Results of Conducted Emission on AC Mains

Wi-Fi 802.11 b/g/n connecting mode

### EUT Information

EUT Name:	System Controller
Order No.:	168289126 70
Model:	EL-SC-300
Test Mode:	Wi-Fi connecting mode
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	---	34.17	55.57	21.40	L1	9.6
0.162000	55.92	---	65.36	9.44	L1	9.6
0.414000	38.99	---	57.57	18.58	L1	9.7
0.426000	---	31.68	47.33	15.65	L1	9.7
0.446000	---	31.14	46.95	15.81	L1	9.7
0.450000	40.39	---	56.88	16.48	L1	9.7
1.892000	35.74	---	56.00	20.26	L1	9.7
1.912000	---	22.95	46.00	23.05	L1	9.7
2.786500	45.45	---	56.00	10.55	L1	9.8
2.805500	---	30.04	46.00	15.96	L1	9.8
14.968000	37.46	---	60.00	22.54	L1	10.3
15.120000	---	25.39	50.00	24.61	L1	10.3

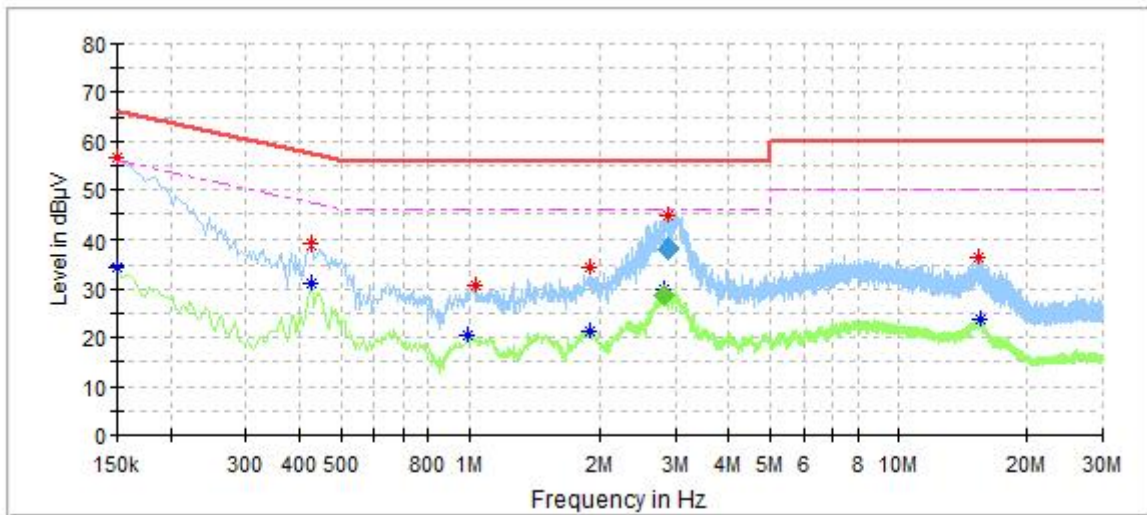
### Final\_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
2.786500	37.62	---	56.00	18.38	200.0	9.000	L1	9.8
2.805500	---	28.69	46.00	17.31	200.0	9.000	L1	9.8



### EUT Information

EUT Name: System Controller  
 Order No.: 168289126 70  
 Model: EL-SC-300  
 Test Mode: Wi-Fi connecting mode  
 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)
0.150000	---	34.62	56.00	21.38	N	9.6
0.150000	56.47	---	66.00	9.53	N	9.6
0.426000	---	31.36	47.33	15.97	N	9.7
0.426000	39.08	---	57.33	18.25	N	9.7
0.988000	---	20.53	46.00	25.47	N	9.7
1.032000	30.84	---	56.00	25.16	N	9.7
1.900000	---	21.52	46.00	24.48	N	9.7
1.900000	34.49	---	56.00	21.51	N	9.7
2.810500	---	30.12	46.00	15.88	N	9.8
2.874500	44.78	---	56.00	11.22	N	9.8
15.380000	36.60	---	60.00	23.40	N	10.3
15.456000	---	23.70	50.00	26.30	N	10.3

### Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
2.810500	---	28.54	46.00	17.46	200.0	9.000	N	9.8
2.874500	38.11	---	56.00	17.89	200.0	9.000	N	9.8