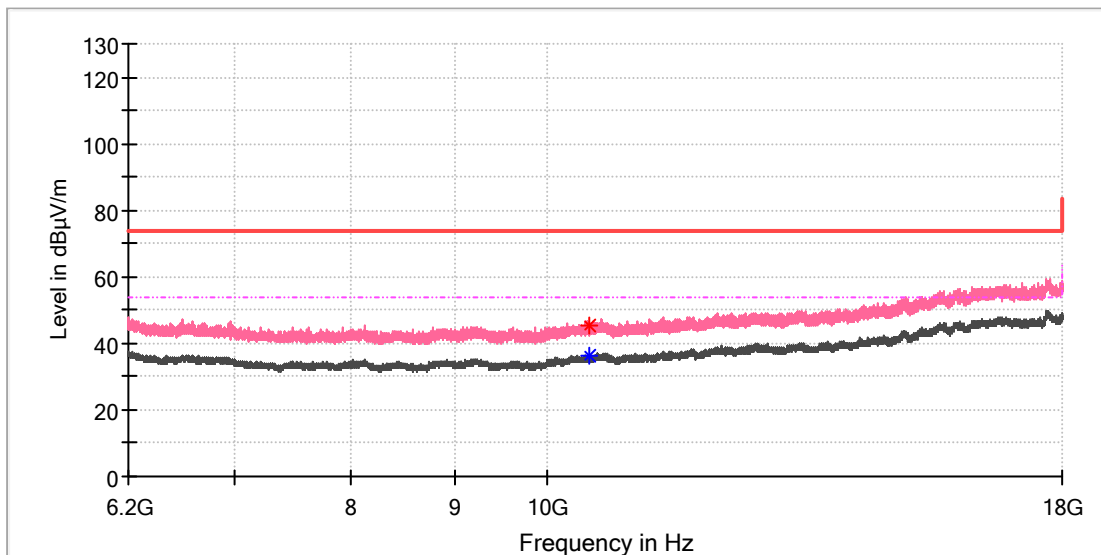


### EUT Information

EUT Name:	System Controller
Model:	EL-SC-300
Test Mode:	WiFi 5G_11a_Ch149
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



### Critical Freqs

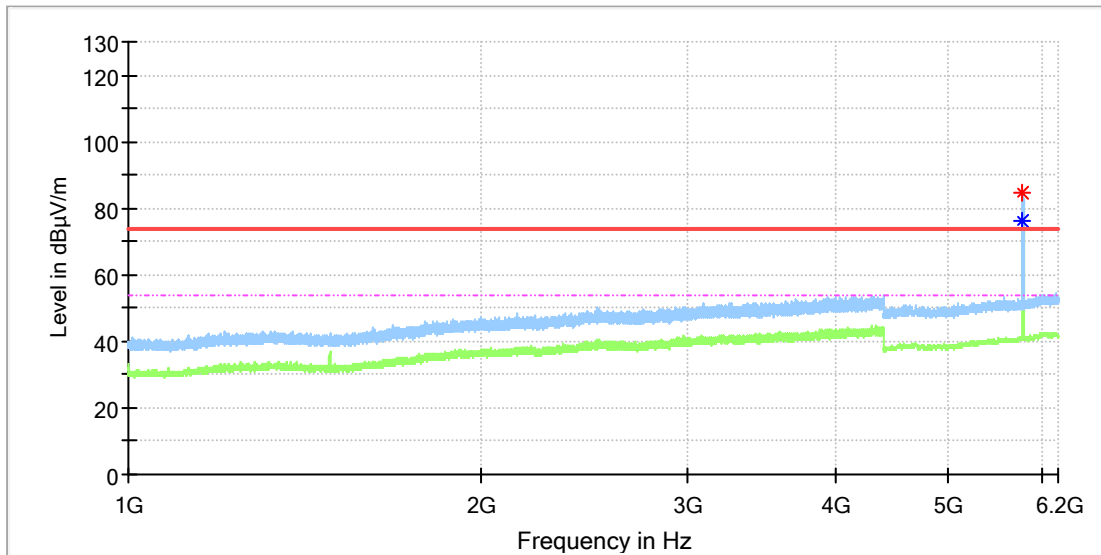
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10494.708333	---	36.32	54.00	17.68	100.0	V	70.0	12.0
10495.200000	45.65	---	74.00	28.35	100.0	V	266.0	12.0

### 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 5G\_11a\_Ch157  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 24 Humi:47%  
 Test Standard: FCC 15.407  
 Tested By: Alano Qu  
 Reviewed By: Terry Yin



### Critical\_Freqs

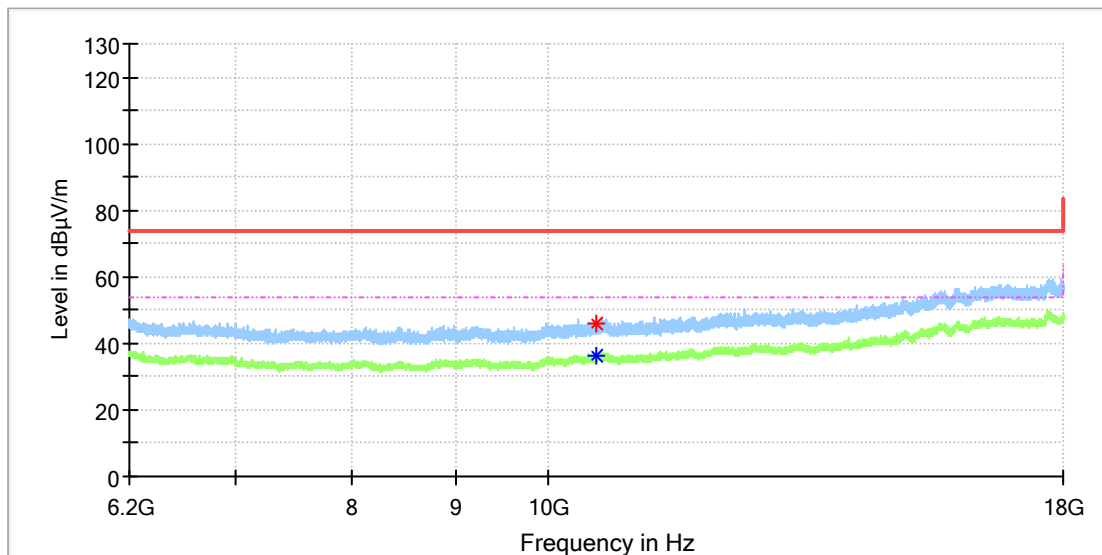
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5784.000000	---	76.40			100.0	H	352.0	14.0
5787.000000	84.72	---			100.0	H	352.0	14.0

### 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 5G_11a_Ch157
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



### Critical\_Freqs

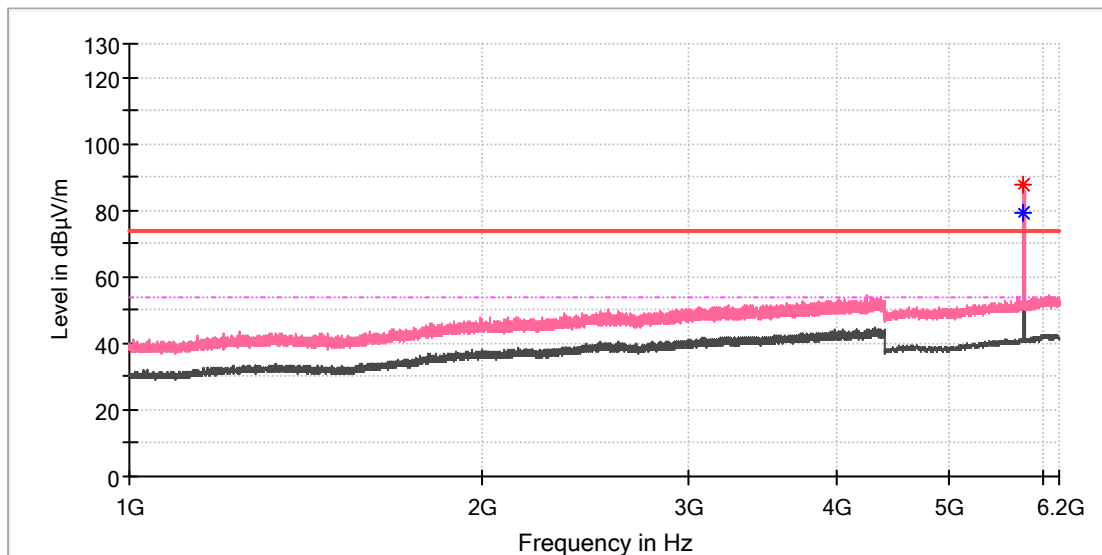
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10566.000000	46.15	---	74.00	27.85	100.0	H	173.0	12.0
10567.966667	---	36.14	54.00	17.86	100.0	H	310.0	12.0

### 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 5G_11a_Ch157
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



### Critical\_Freqs

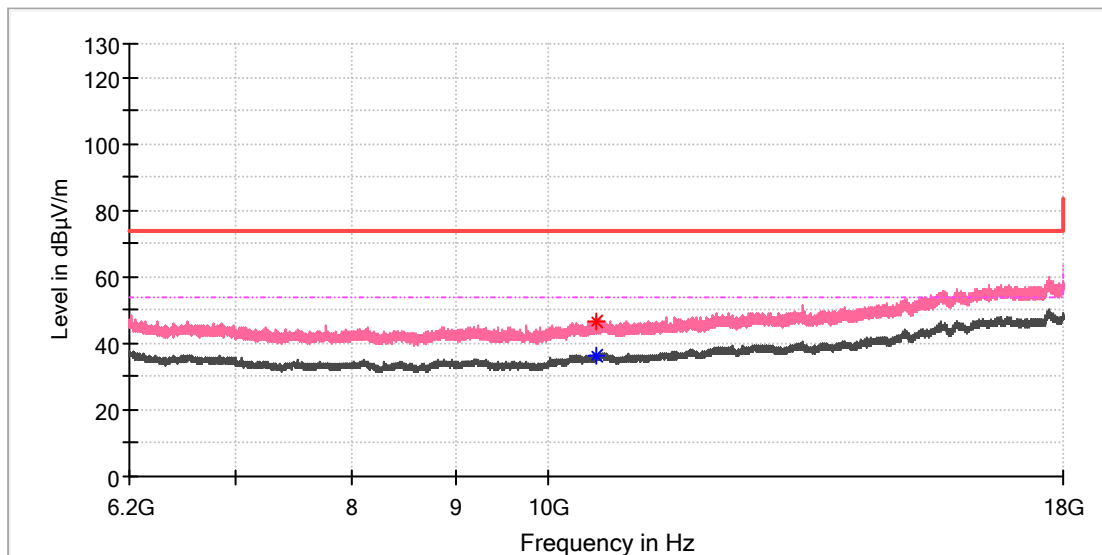
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5784.000000	87.85	---			100.0	V	347.0	14.0
5784.500000	---	79.42			100.0	V	347.0	14.0

### 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 5G_11a_Ch157
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



### Critical\_Freqs

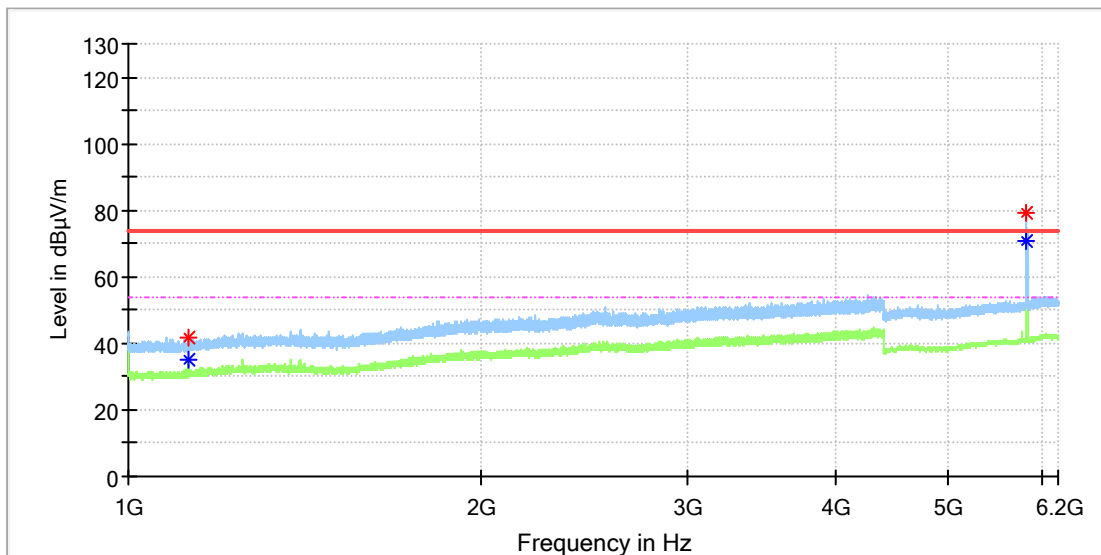
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10561.083333	---	36.43	54.00	17.57	100.0	V	249.0	12.0
10568.950000	46.26	---	74.00	27.74	100.0	V	166.0	12.0

### 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 5G_11a_Ch165
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



### Critical Freqs

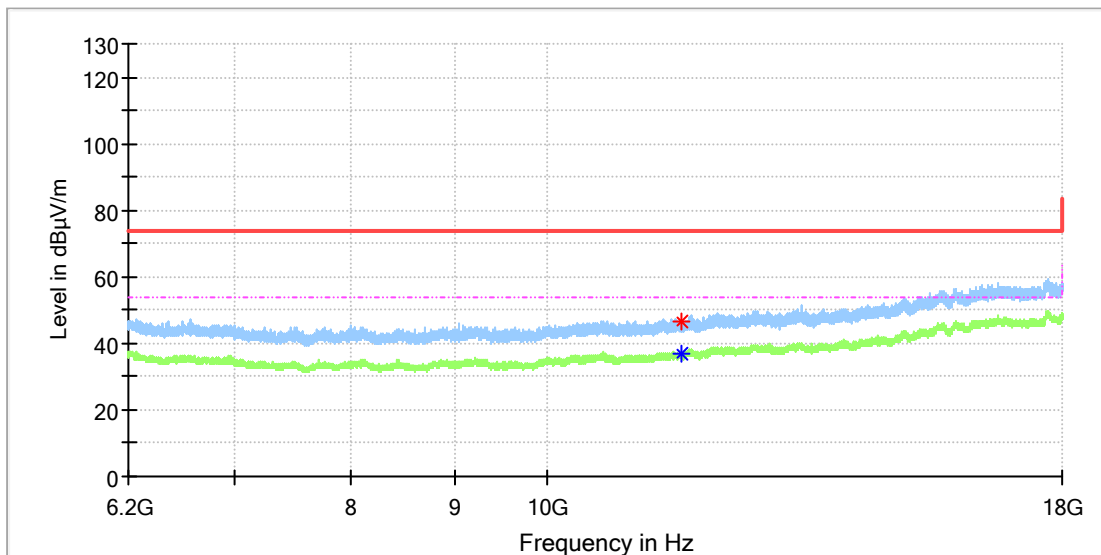
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1124.780000	---	35.32	54.00	18.68	100.0	H	171.0	0.3
1125.460000	41.45	---	74.00	32.55	100.0	H	238.0	0.3
5826.500000	---	70.90			100.0	H	316.0	14.1
5827.500000	78.97	---			100.0	H	316.0	14.1

### 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 5G_11a_Ch165
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



### Critical\_Freqs

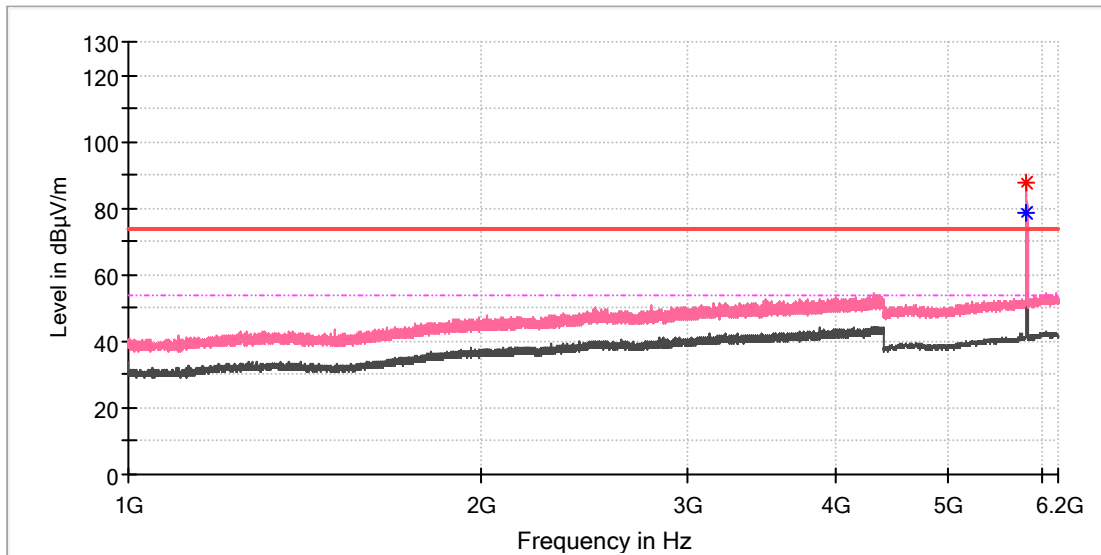
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11649.141667	46.34	---	74.00	27.66	100.0	H	80.0	13.3
11654.058333	---	36.89	54.00	17.11	100.0	H	356.0	13.3

### 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 5G_11a_Ch165
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:50%
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)
5826.500000	87.41	---			100.0	V	344.0	14.1
5824.500000	---	78.62			100.0	V	354.0	14.1

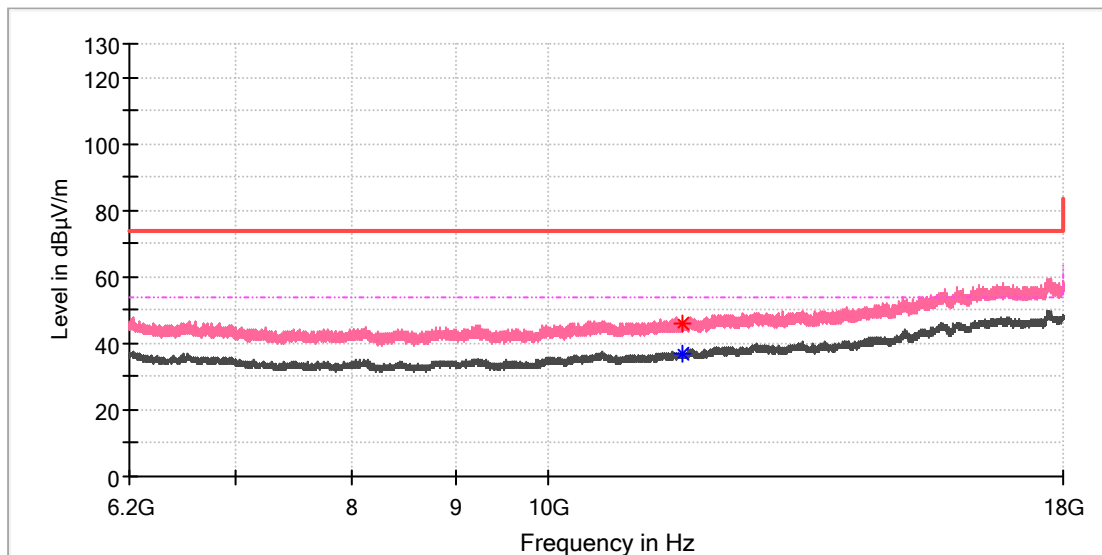
### Final Result

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 5G\_11a\_Ch165  
 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)
11650.616667	---	37.12	54.00	16.88	100.0	V	8.0	13.3
11656.025000	46.08	---	74.00	27.92	100.0	V	175.0	13.3

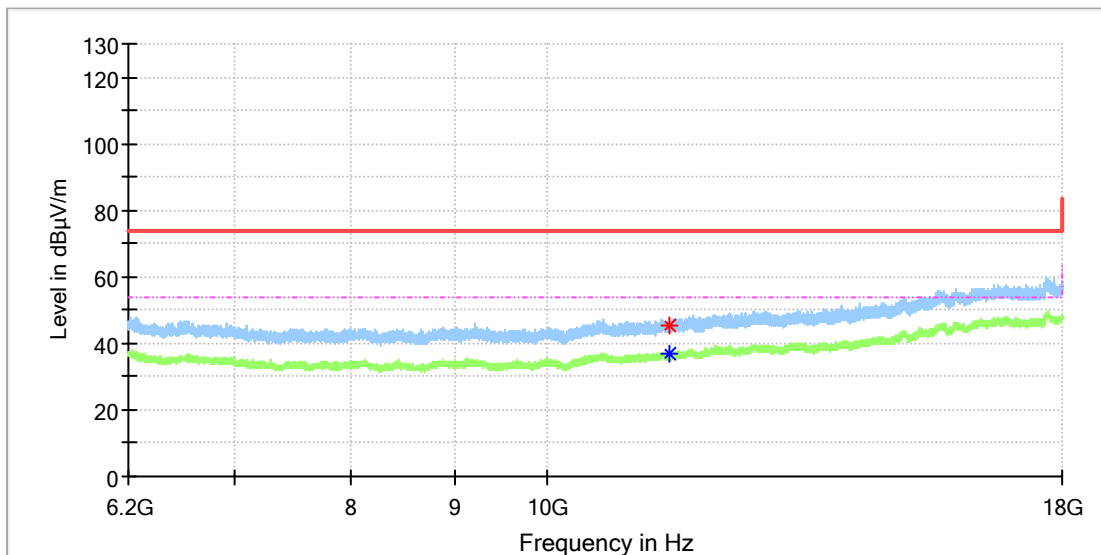
### Final Result

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 5G\_11n20\_Ch149  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 24 Humi:47%  
 Test Standard: FCC 15.407  
 Tested By: Alano Qu  
 Reviewed By: Terry Yin



### Critical\_Freqs

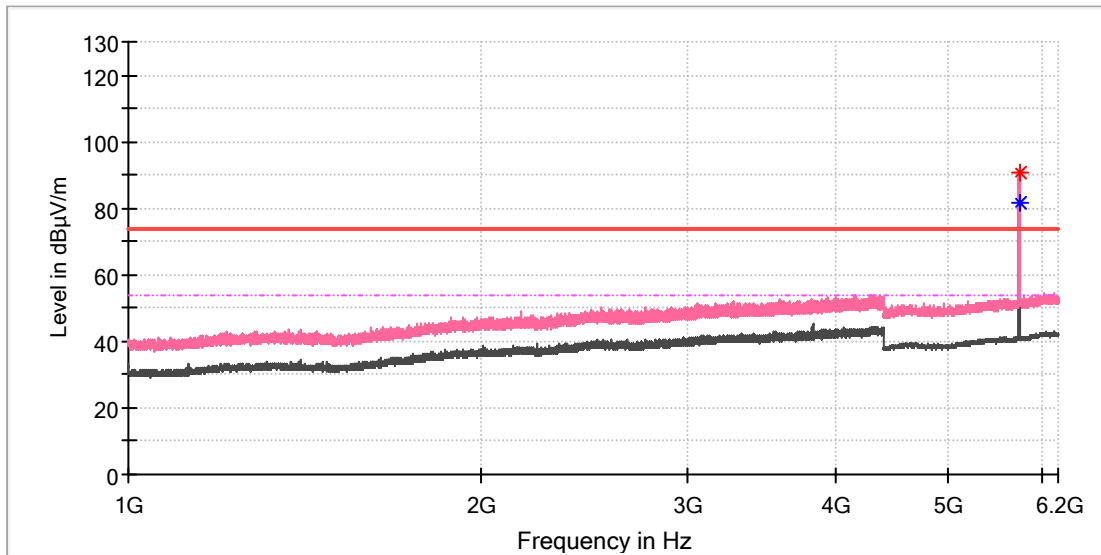
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11491.316667	45.53	---	74.00	28.47	100.0	H	354.0	13.7
11491.808333	---	36.62	54.00	17.38	100.0	H	0.0	13.7

### 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 5G\_11n20\_Ch149  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 24 Humi:47%  
 Test Standard: FCC 15.407  
 Tested By: Alano Qu  
 Reviewed By: Terry Yin



### Critical\_Freqs

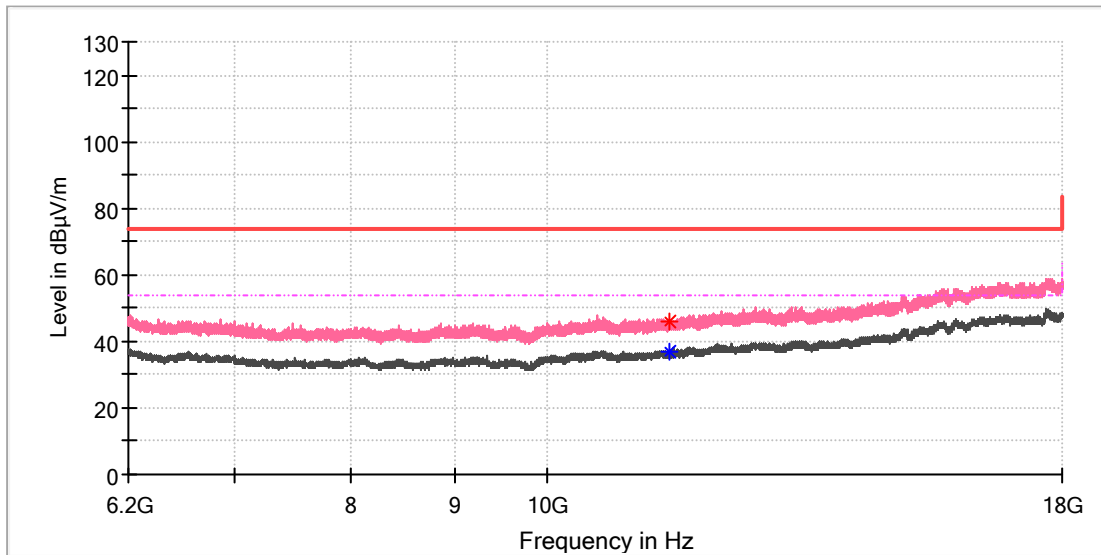
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5744.000000	---	81.92			100.0	V	353.0	13.9
5746.000000	90.72	---			100.0	V	353.0	13.9

### 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 5G_11n20_Ch149
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



### Critical Freqs

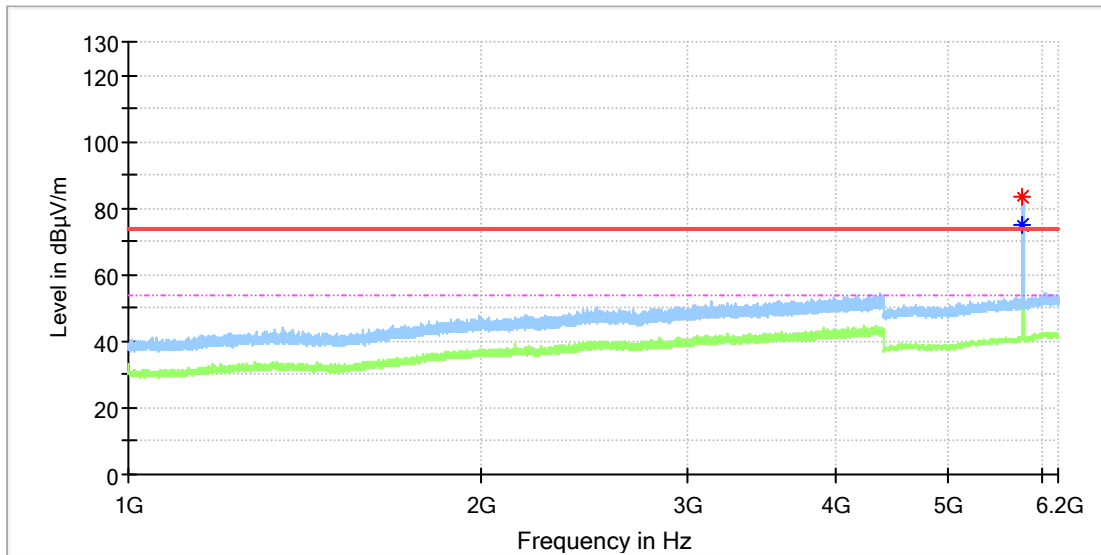
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11484.433333	46.23	---	74.00	27.77	100.0	V	238.0	13.7
11493.283333	---	36.64	54.00	17.36	100.0	V	0.0	13.7

### 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 5G\_11n20\_Ch157  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 24 Humi:47%  
 Test Standard: FCC 15.407  
 Tested By: Alano Qu  
 Reviewed By: Terry Yin



### Critical Freqs

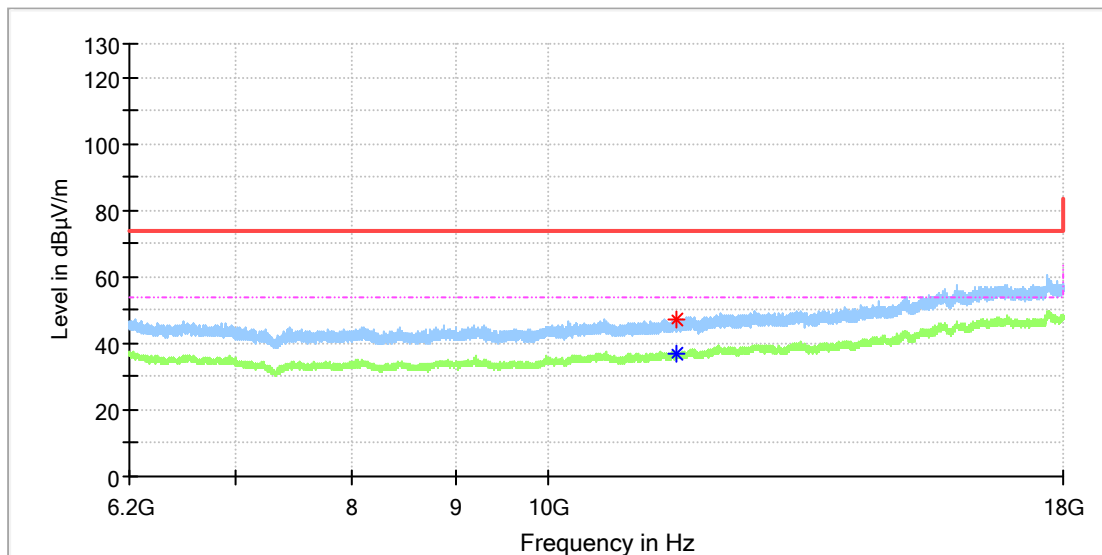
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5784.500000	---	75.27			100.0	H	10.0	14.0
5787.500000	83.34	---			100.0	H	10.0	14.0

### 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 5G_11n20_Ch157
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



### Critical\_Freqs

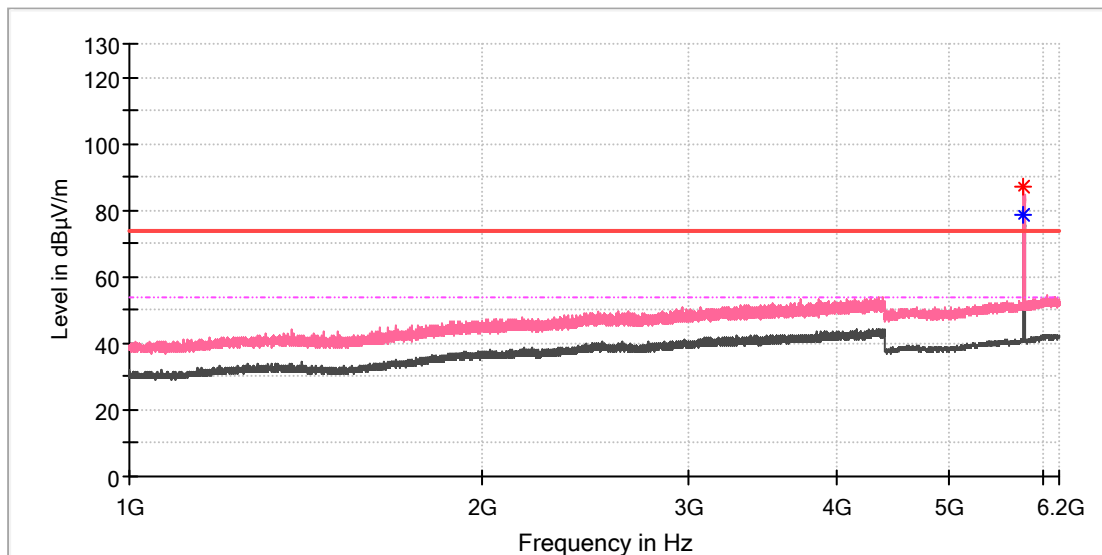
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11568.508333	---	37.18	54.00	16.82	100.0	H	46.0	13.4
11579.325000	46.96	---	74.00	27.04	100.0	H	169.0	13.4

### 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 5G\_11n20\_Ch157  
 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)
5784.000000	---	78.42			100.0	V	347.0	14.0
5784.000000	87.29	---			100.0	V	347.0	14.0

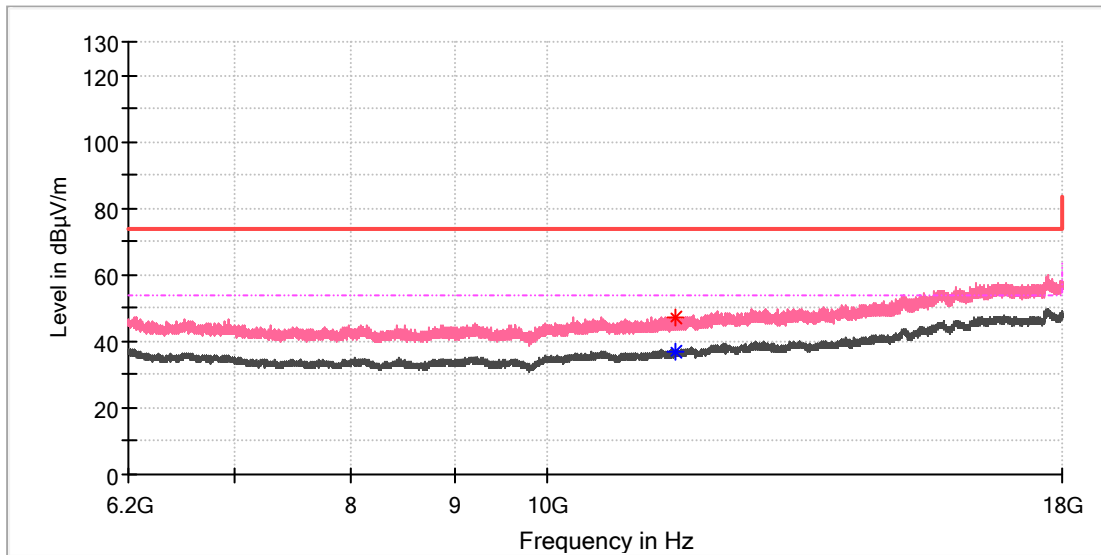
### Final Result

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 5G_11n20_Ch157
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



### Critical Freqs

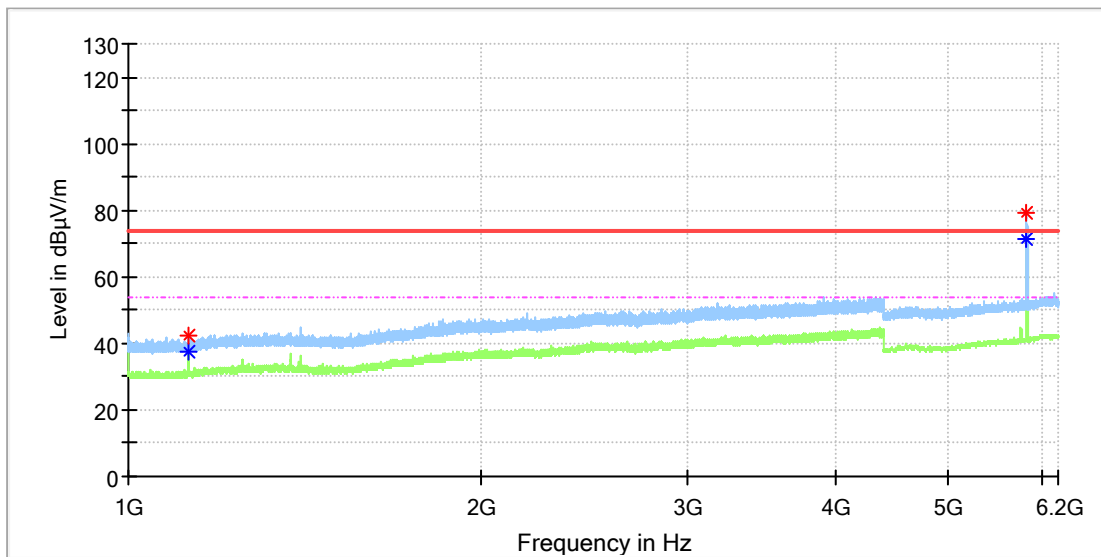
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11569.000000	46.92	---	74.00	27.08	100.0	V	0.0	13.4
11570.966667	---	36.95	54.00	17.05	100.0	V	135.0	13.4

### 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 5G\_11n20\_Ch165  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 24 Humi:47%  
 Test Standard: FCC 15.407  
 Tested By: Alano Qu  
 Reviewed By: Terry Yin



### Critical Freqs

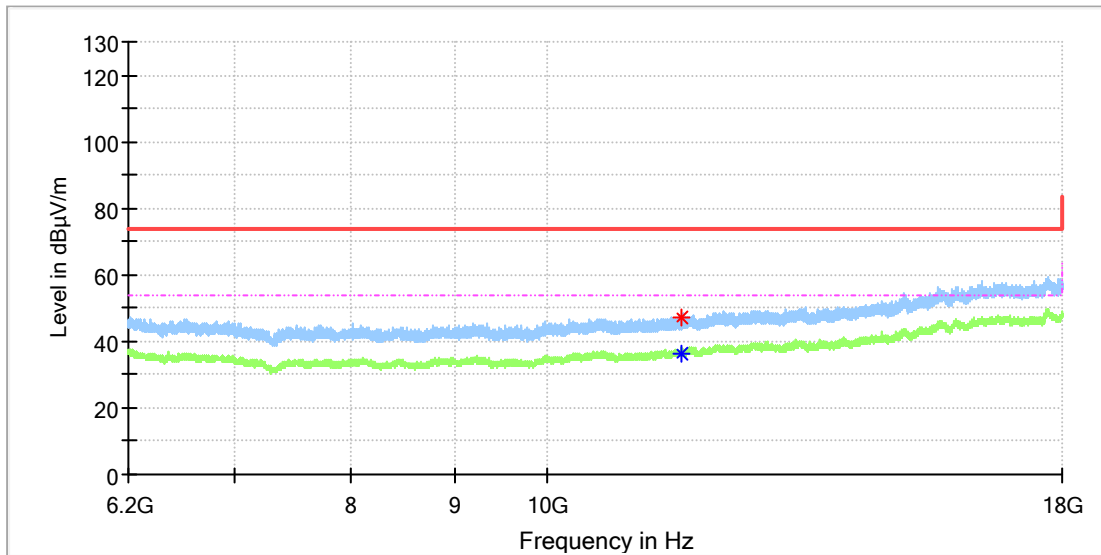
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1124.780000	42.09	---	74.00	31.91	100.0	H	169.0	0.3
1124.950000	---	37.52	54.00	16.48	100.0	H	157.0	0.3
5823.000000	79.34	---			100.0	H	318.0	14.1
5826.000000	---	71.52			100.0	H	318.0	14.1

### 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 5G_11n20_Ch165
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



### Critical Freqs

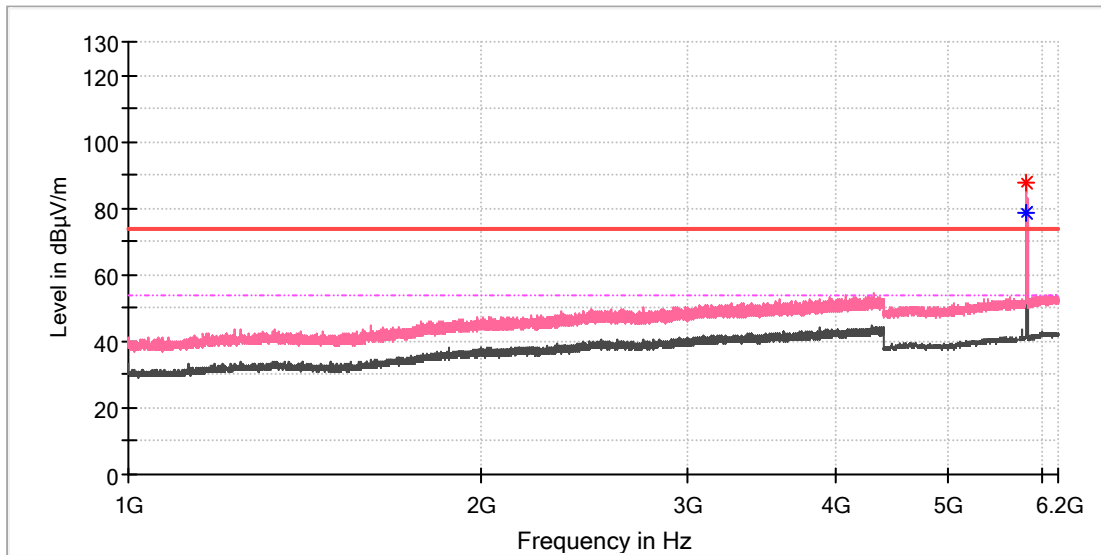
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11650.125000	---	35.99	54.00	18.01	100.0	H	159.0	13.3
11652.583333	47.44	---	74.00	26.56	100.0	H	350.0	13.3

### 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 5G\_11n20\_Ch165  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 24 Humi:47%  
 Test Standard: FCC 15.407  
 Tested By: Alano Qu  
 Reviewed By: Terry Yin



### Critical Freqs

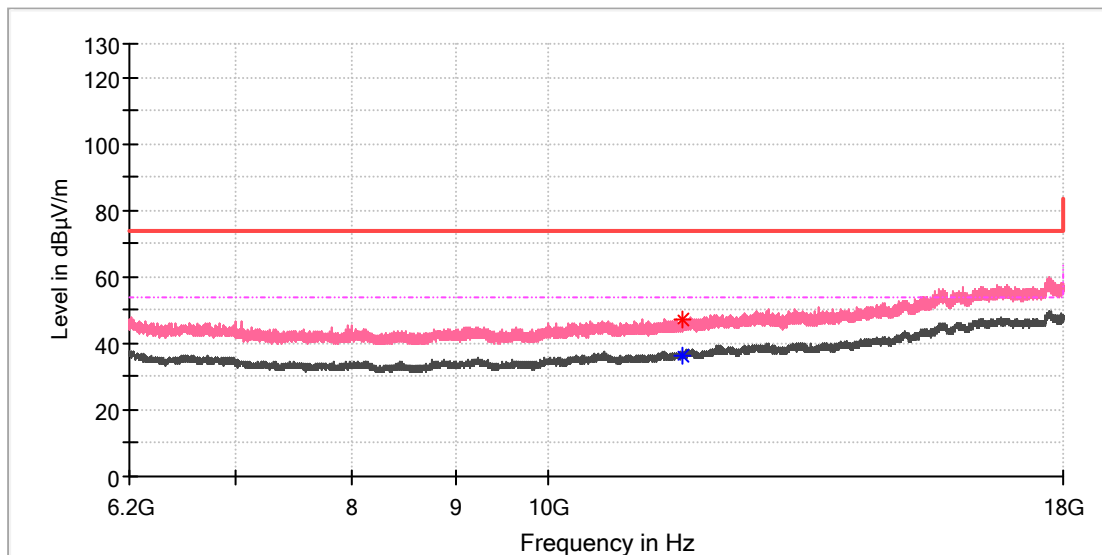
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5826.500000	87.47	---			100.0	V	351.0	14.1
5824.500000	---	78.37			100.0	V	359.0	14.1

### 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 5G_11n20_Ch165
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)
11650.125000	---	36.57	54.00	17.43	100.0	V	140.0	13.3
11655.533333	47.02	---	74.00	26.98	100.0	V	18.0	13.3

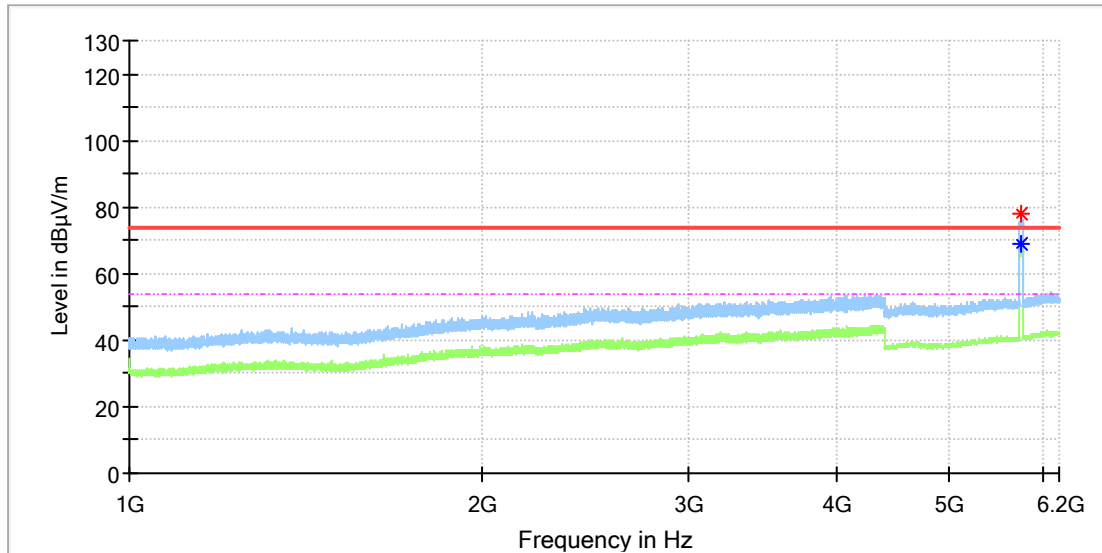
### Final\_Result

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(HT40) mode

EUT Information

EUT Name:	System Controller
Model:	EL-SC-300
Test Mode:	WiFi 5G_11n40_Ch151
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



Critical Freqs

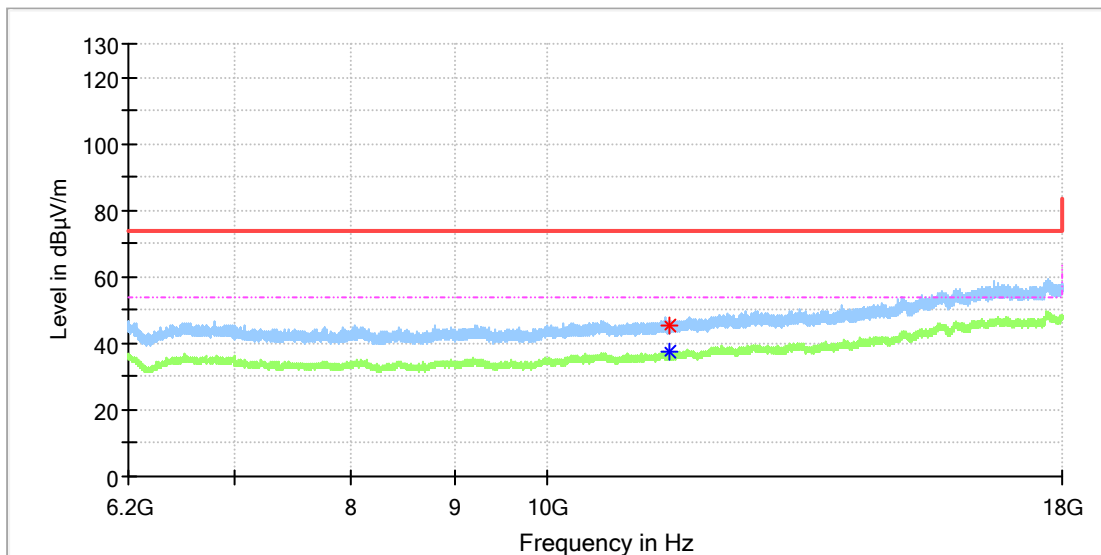
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5757.000000	78.16	---			100.0	H	146.0	14.0
5760.000000	---	69.22			100.0	H	146.0	14.0

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 5G\_11n40\_Ch151  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 24 Humi:47%  
 Test Standard: FCC 15.407  
 Tested By: Alano Qu  
 Reviewed By: Terry Yin



### Critical Freqs

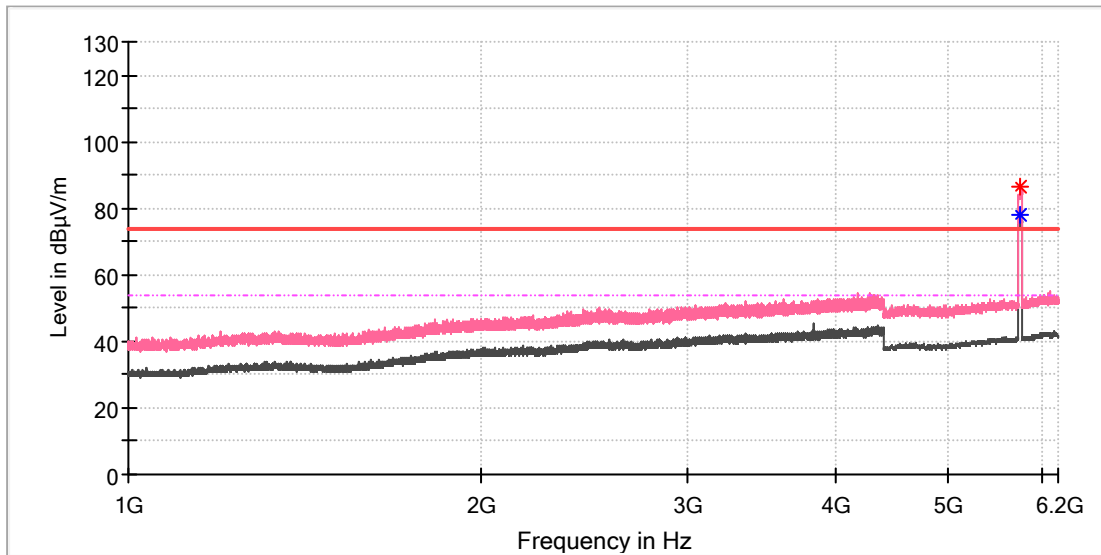
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11504.591667	---	37.22	54.00	16.78	100.0	H	322.0	13.7
11510.000000	45.57	---	74.00	28.43	100.0	H	74.0	13.7

### 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 5G\_11n40\_Ch151  
 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)
5757.000000	86.73	---			100.0	V	0.0	14.0
5758.000000	---	77.77			100.0	V	0.0	14.0

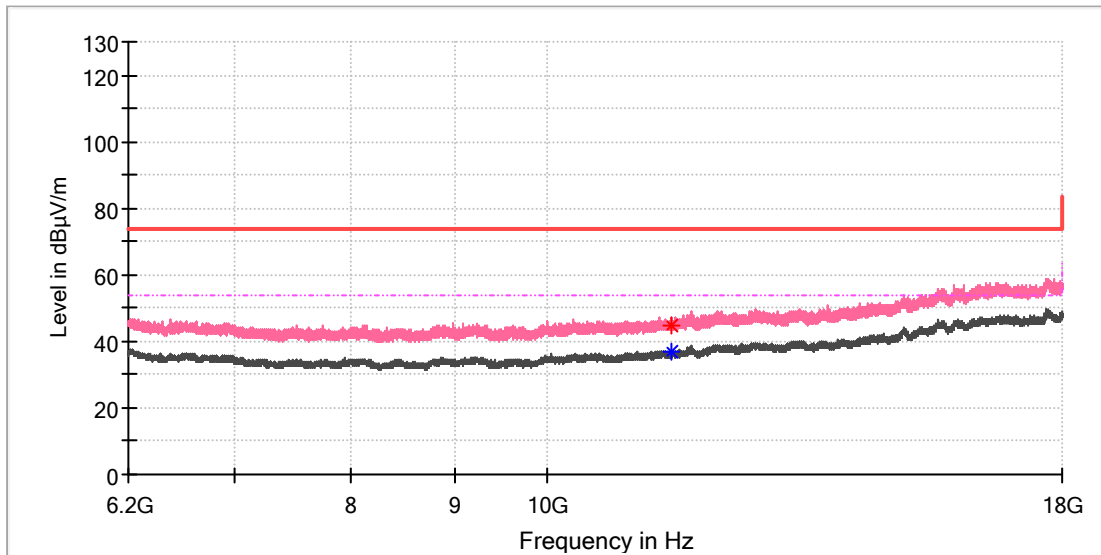
### Final Result

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 5G\_11n40\_Ch151  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 24 Humi:47%  
 Test Standard: FCC 15.407  
 Tested By: Alano Qu  
 Reviewed By: Terry Yin



### Critical Freqs

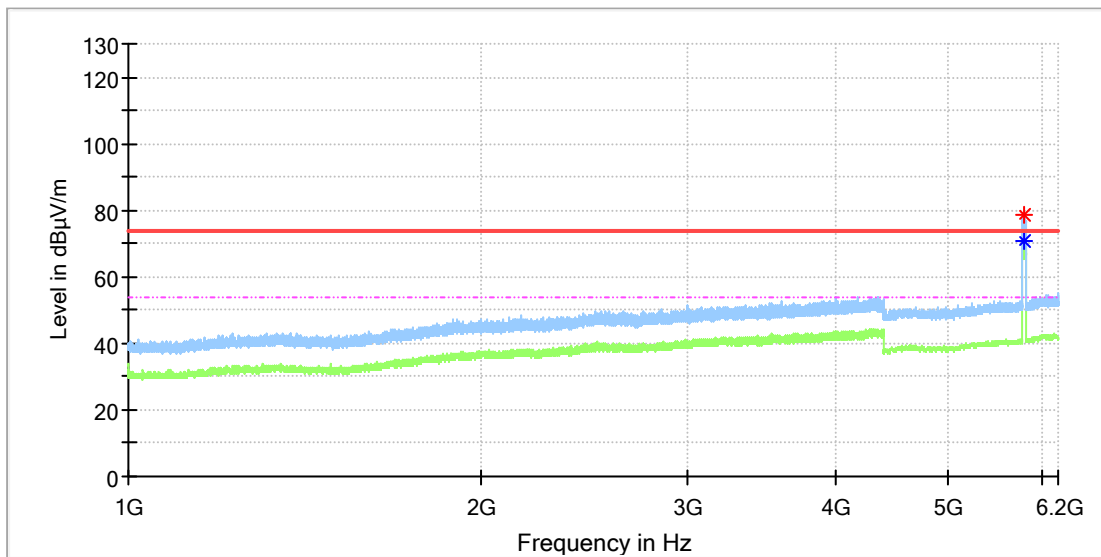
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11511.475000	44.91	---	74.00	29.09	100.0	V	304.0	13.6
11518.358333	---	36.71	54.00	17.29	100.0	V	0.0	13.6

### 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 5G\_11n40\_Ch159  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 24 Humi:47%  
 Test Standard: FCC 15.407  
 Tested By: Alano Qu  
 Reviewed By: Terry Yin



### Critical Freqs

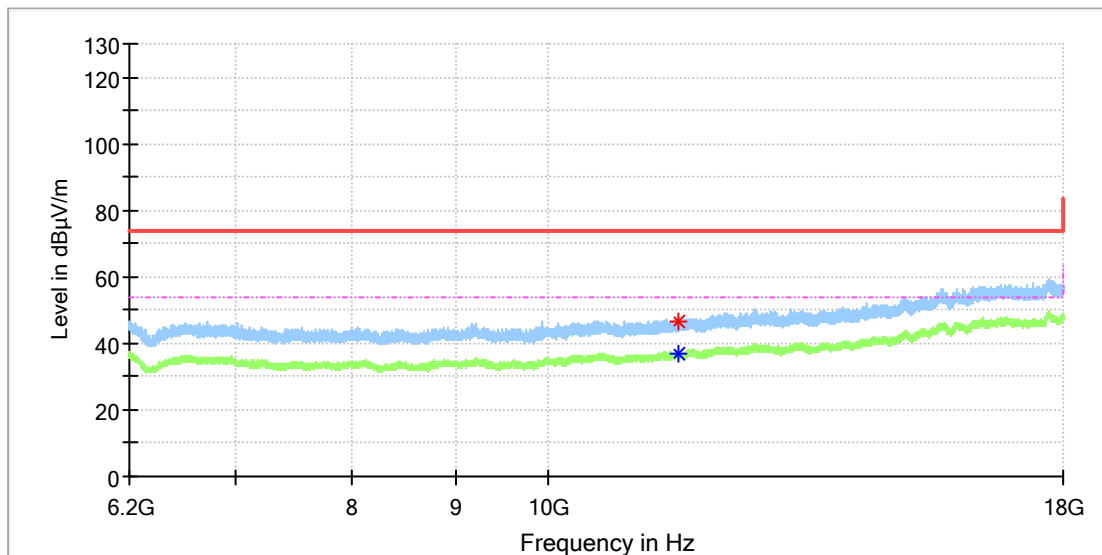
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5793.500000	---	70.59			100.0	H	299.0	14.0
5796.500000	78.87	---			100.0	H	299.0	14.0

### 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 5G_11n40_Ch159
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



### Critical\_Freqs

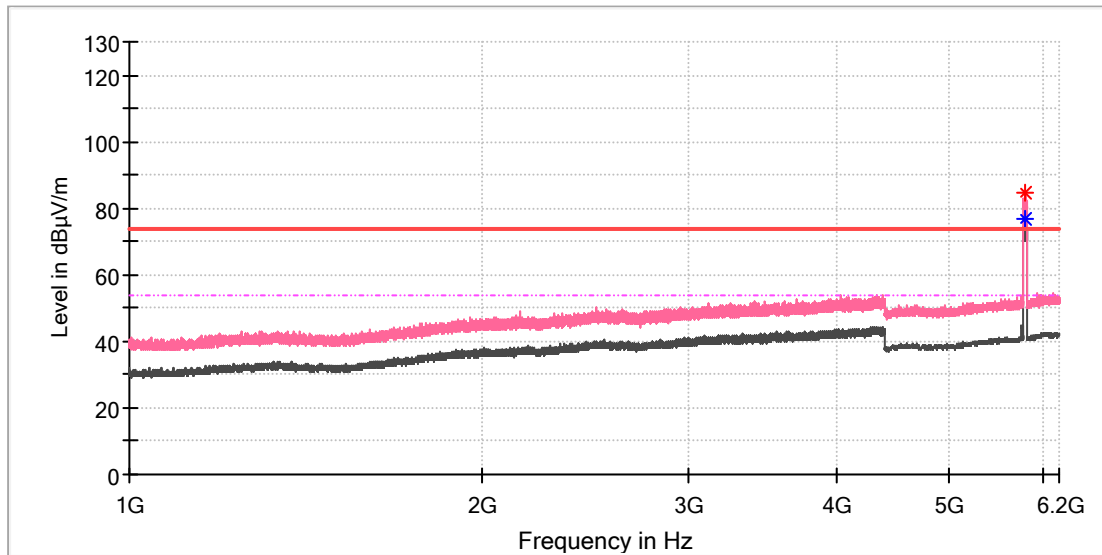
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11593.091667	---	36.97	54.00	17.03	100.0	H	320.0	13.3
11594.075000	46.66	---	74.00	27.34	100.0	H	225.0	13.3

### 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 5G_11n40_Ch159
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



### Critical Freqs

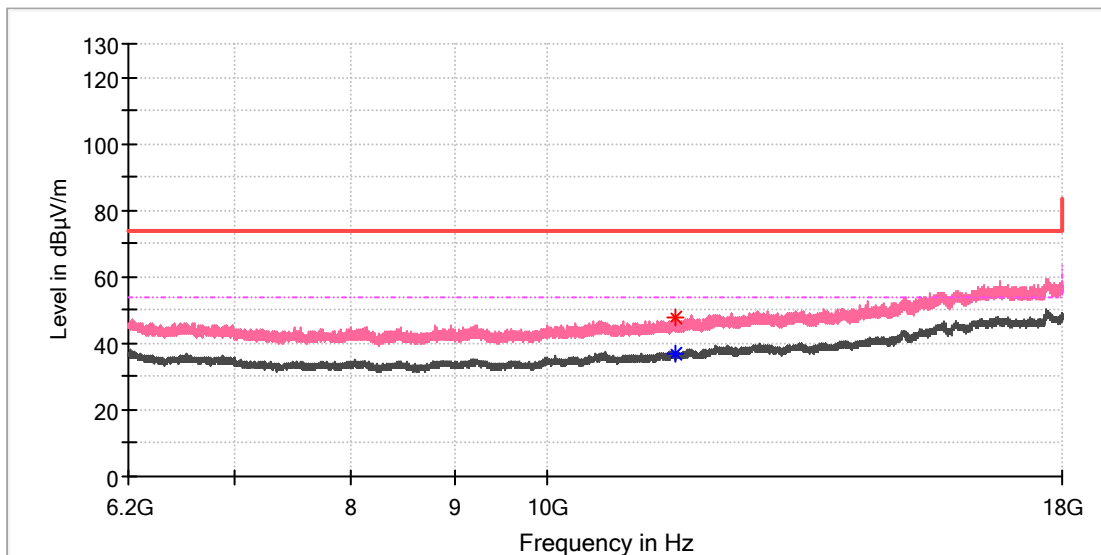
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5797.000000	---	76.79			100.0	V	345.0	14.0
5798.500000	84.85	---			100.0	V	345.0	14.0

### 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 5G_11n40_Ch159
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)
11581.783333	47.59	---	74.00	26.41	100.0	V	28.0	13.4
11586.700000	---	36.93	54.00	17.07	100.0	V	81.0	13.3

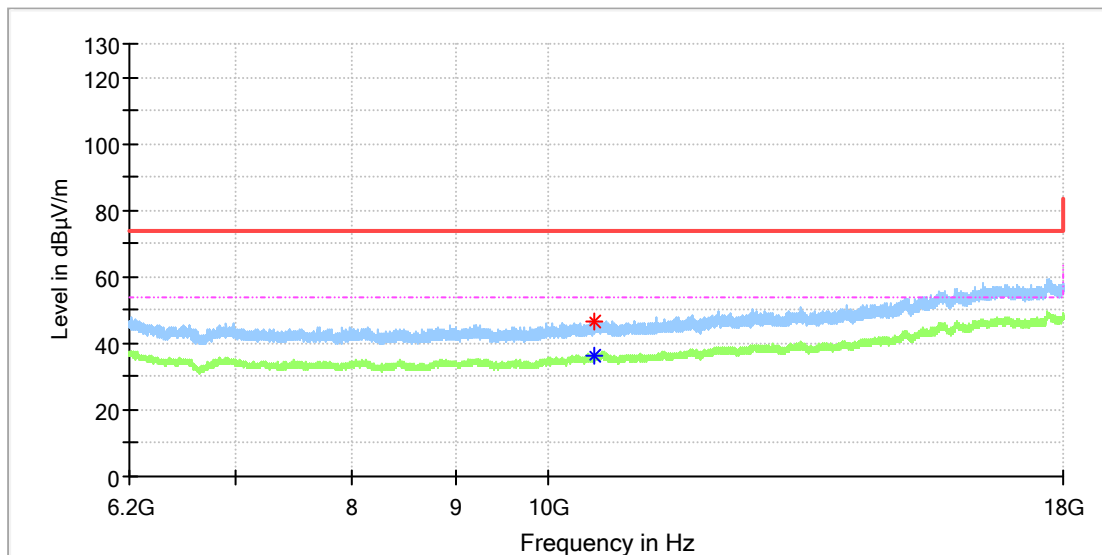
### Final\_Result

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 5G_11ac80_Ch155
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



### Critical\_Freqs

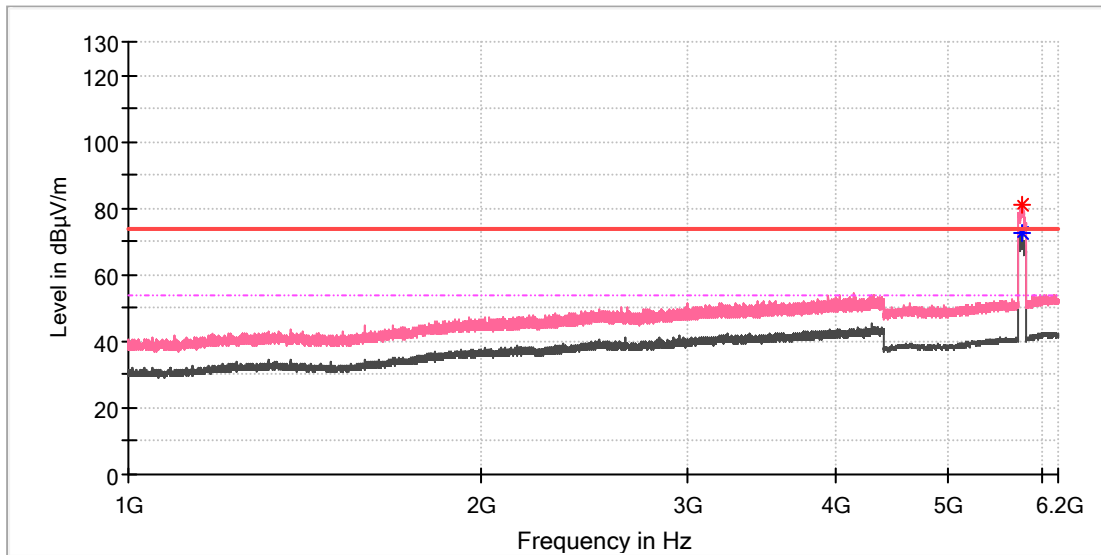
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10540.925000	---	36.08	54.00	17.92	100.0	H	26.0	12.0
10547.316667	46.44	---	74.00	27.56	100.0	H	40.0	12.0

### 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 5G_11ac80_Ch155
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)
5773.500000	---	72.67			100.0	V	354.0	14.0
5777.500000	81.08	---			100.0	V	354.0	14.0

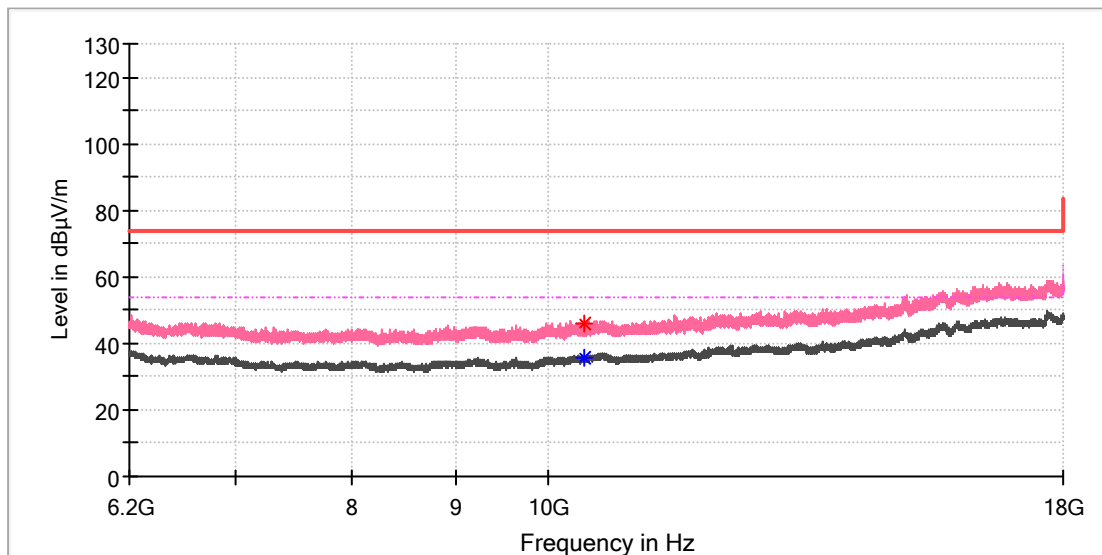
### Final\_Result

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 5G_11ac80_Ch155
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)
10547.058333	45.81	---	74.00	28.19	100.0	V	209.0	11.9
10550.025000	---	35.88	54.00	18.12	100.0	V	0.0	11.9

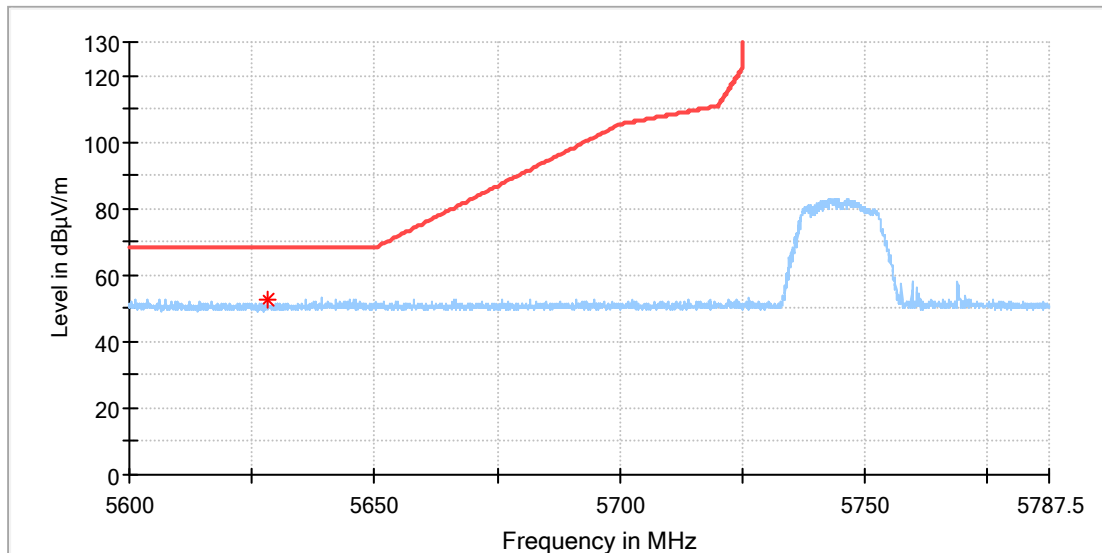
### Final Result

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

### Appendix C.6: Test Results of Radiated Emissions in Restricted Bands Wi-Fi 802.11 a mode

#### EUT Information

EUT Name:	System Controller
Model:	EL-SC-300
Test Mode:	WiFi 5G_11a_Ch149
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



#### Critical Freqs

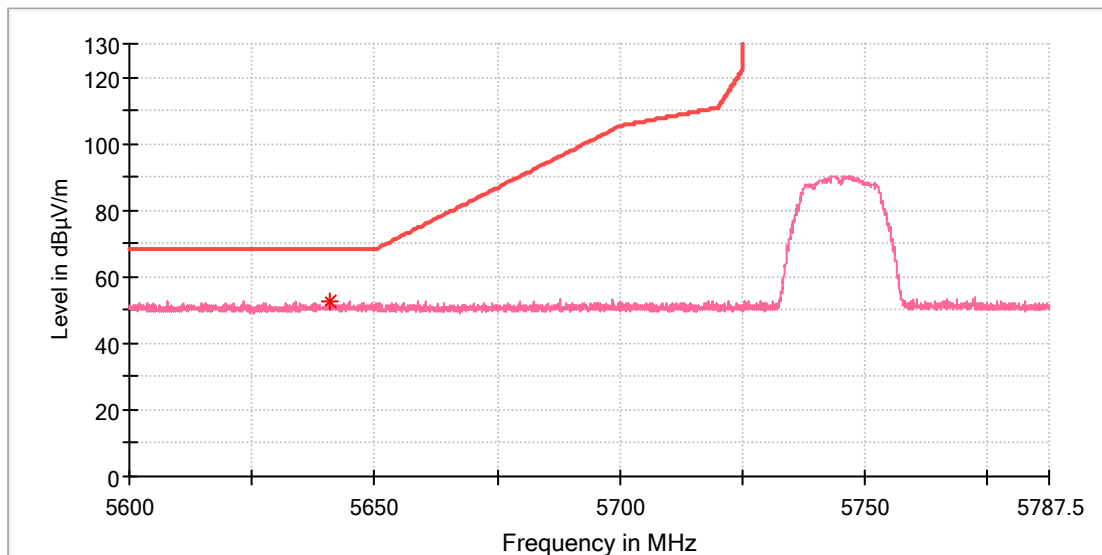
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5628.177083	52.75	---	68.20	15.45	100.0	H	146.0	13.8

#### Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (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 5G_11a_Ch149
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



### Critical Freqs

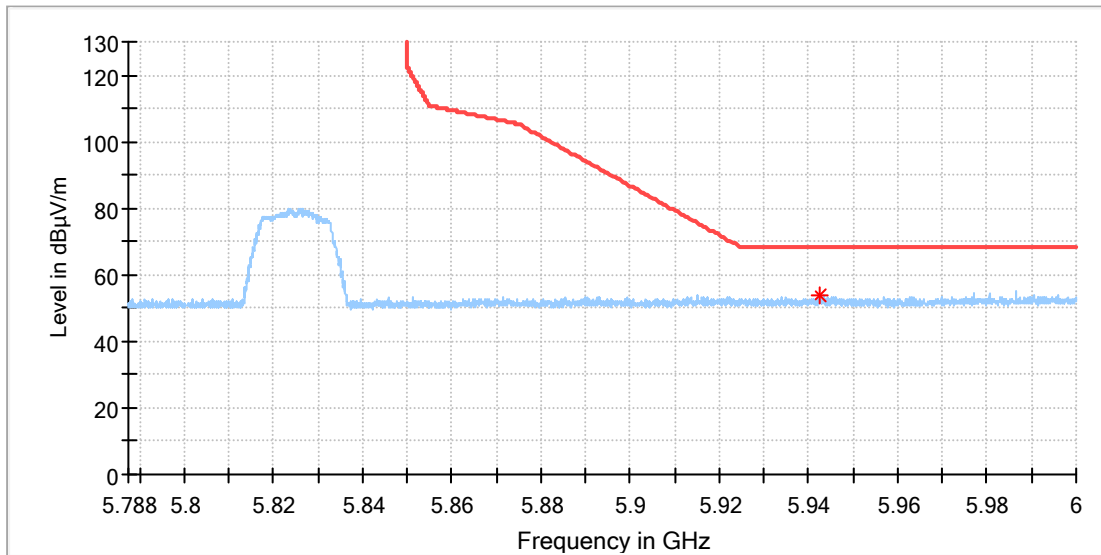
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5640.729167	52.64	---	68.20	15.56	100.0	V	163.0	13.8

### Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (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 5G_11a_Ch165
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



### Critical Freqs

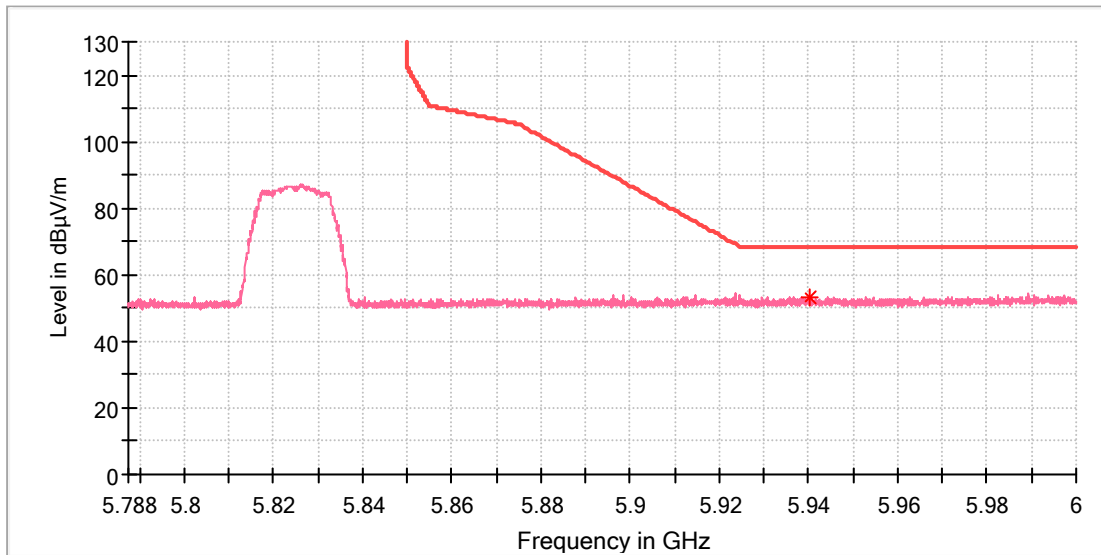
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5942.506945	53.68	---	68.20	14.52	100.0	H	0.0	14.7

### Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (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 5G\_11a\_Ch165  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 22 Humi:50%  
 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)
5940.086806	53.41	---	68.20	14.79	100.0	V	244.0	14.7

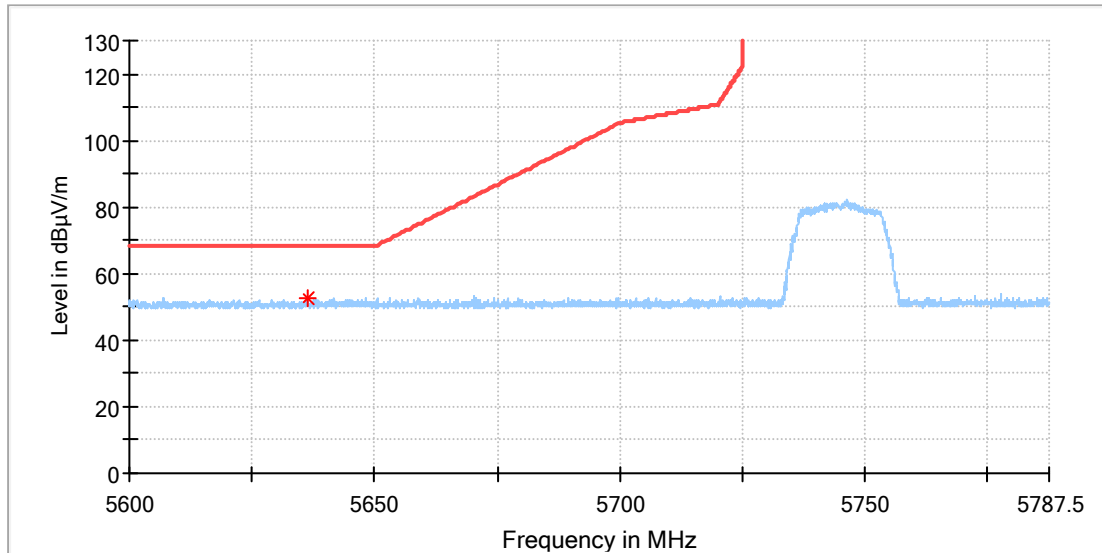
### Final Result

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

Wi-Fi 802.11 n(HT20) mode

EUT Information

EUT Name:	System Controller
Model:	EL-SC-300
Test Mode:	WiFi 5G_11n20_Ch149
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



Critical\_Freqs

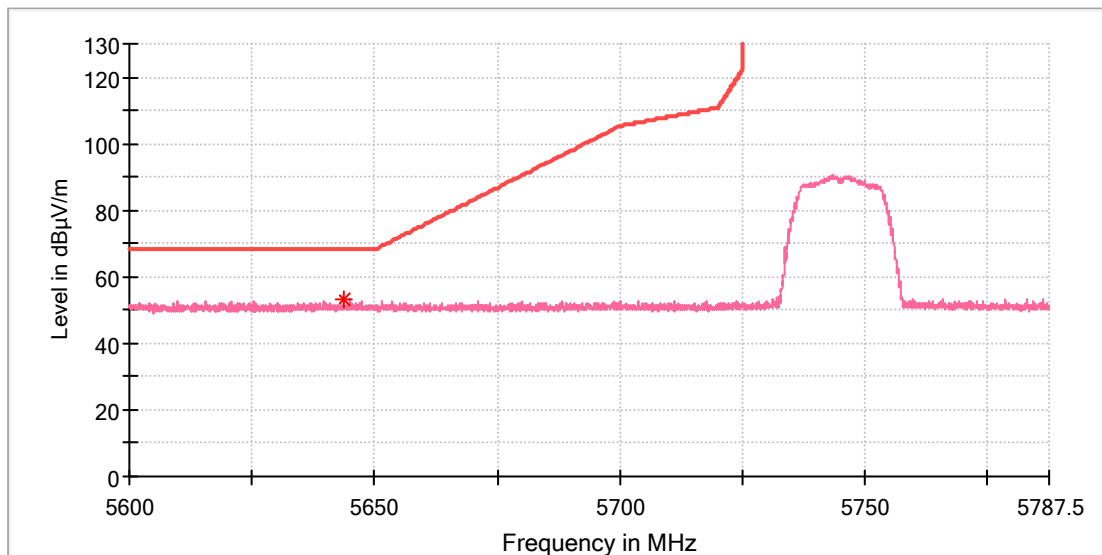
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5636.354167	52.80	---	68.20	15.40	100.0	H	76.0	13.8

Final\_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (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 5G_11n20_Ch149
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



### Critical Freqs

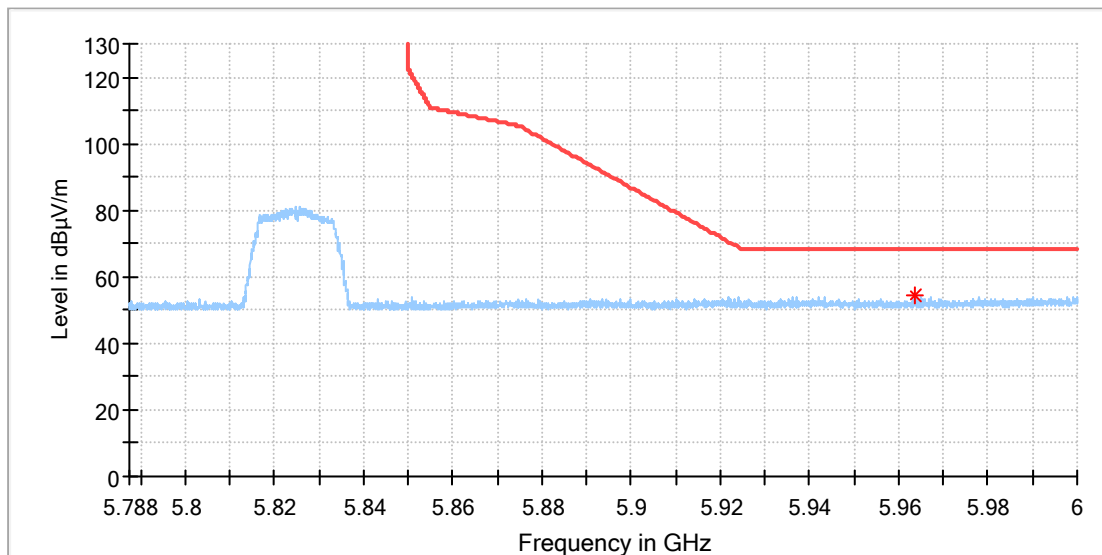
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5643.802083	53.45	---	68.20	14.75	100.0	V	26.0	13.8

### Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (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 5G_11n20_Ch165
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)
5963.815972	54.41	---	68.20	13.79	100.0	H	349.0	14.8

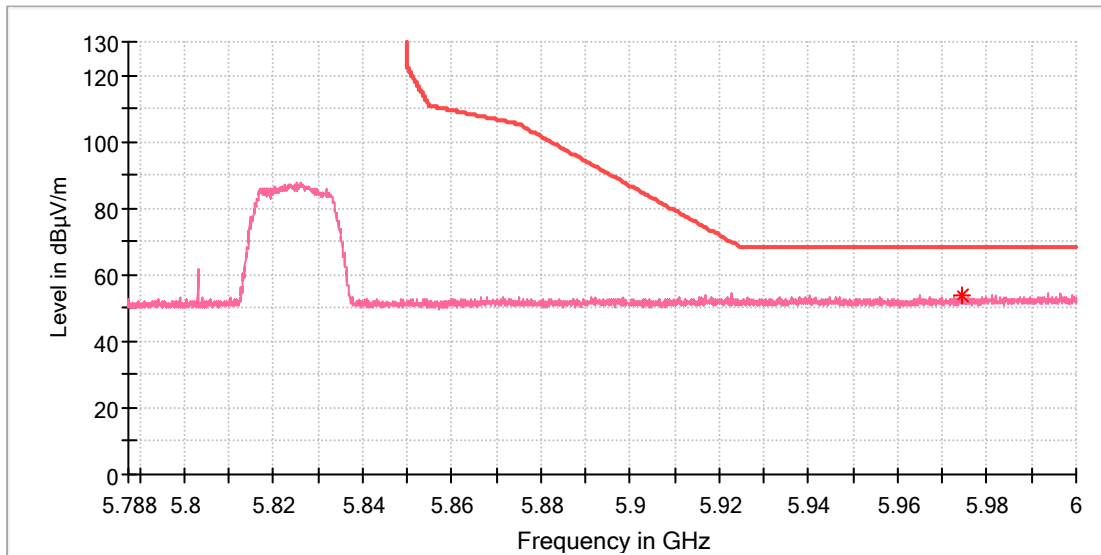
### Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (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 5G\_11n20\_Ch165  
 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)
5974.381945	53.95	---	68.20	14.25	100.0	V	319.0	14.9

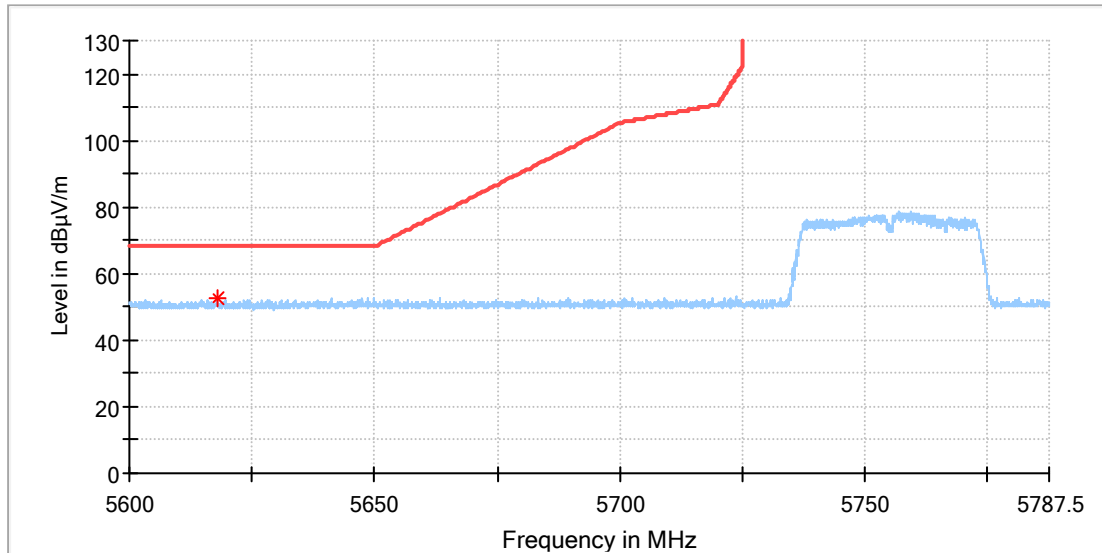
### Final Result

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

Wi-Fi 802.11 n(HT40) mode

EUT Information

EUT Name:	System Controller
Model:	EL-SC-300
Test Mode:	WiFi 5G_11n40_Ch151
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



Critical\_Freqs

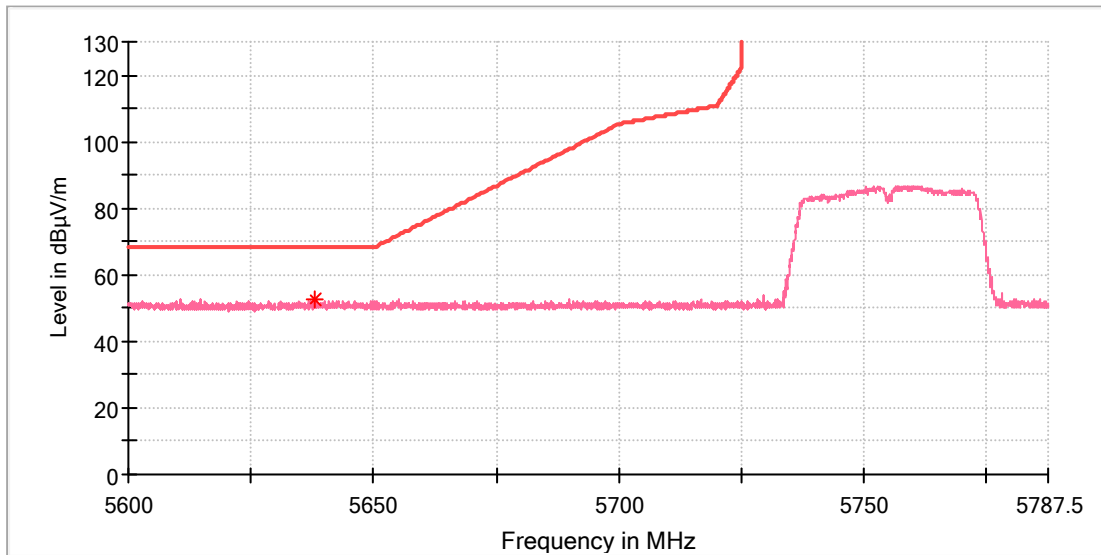
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5617.812500	52.80	---	68.20	15.40	100.0	H	307.0	13.8

Final\_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (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 5G\_11n40\_Ch151  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 24 Humi:47%  
 Test Standard: FCC 15.407  
 Tested By: Alano Qu  
 Reviewed By: Terry Yin



### Critical Freqs

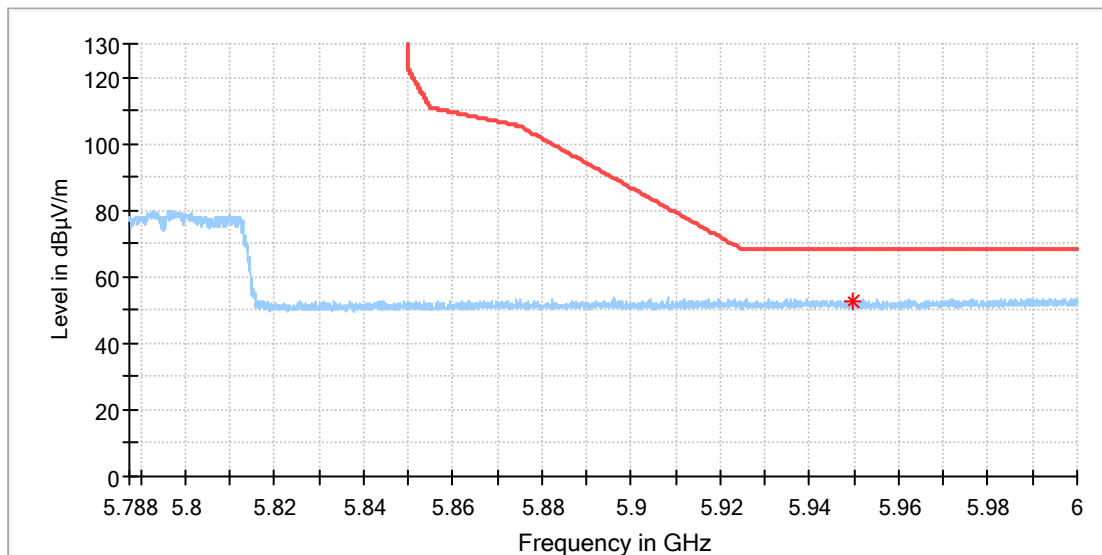
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5638.125000	52.62	---	68.20	15.58	100.0	V	114.0	13.8

### Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (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 5G_11n40_Ch159
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



### Critical Freqs

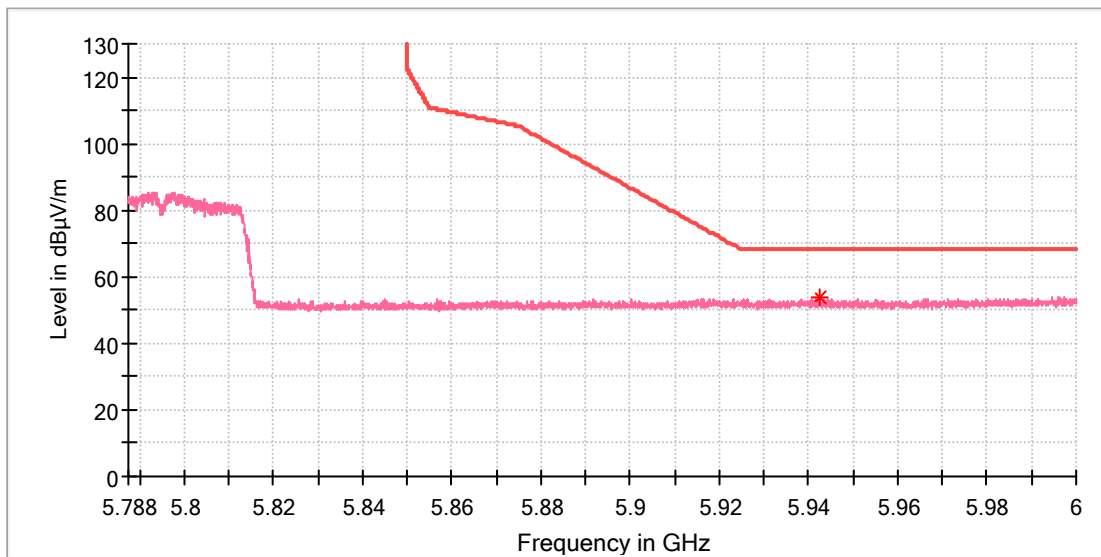
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5949.885417	52.78	---	68.20	15.42	100.0	H	49.0	14.8

### Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (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 5G_11n40_Ch159
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)
5942.270833	53.89	---	68.20	14.31	100.0	V	120.0	14.7

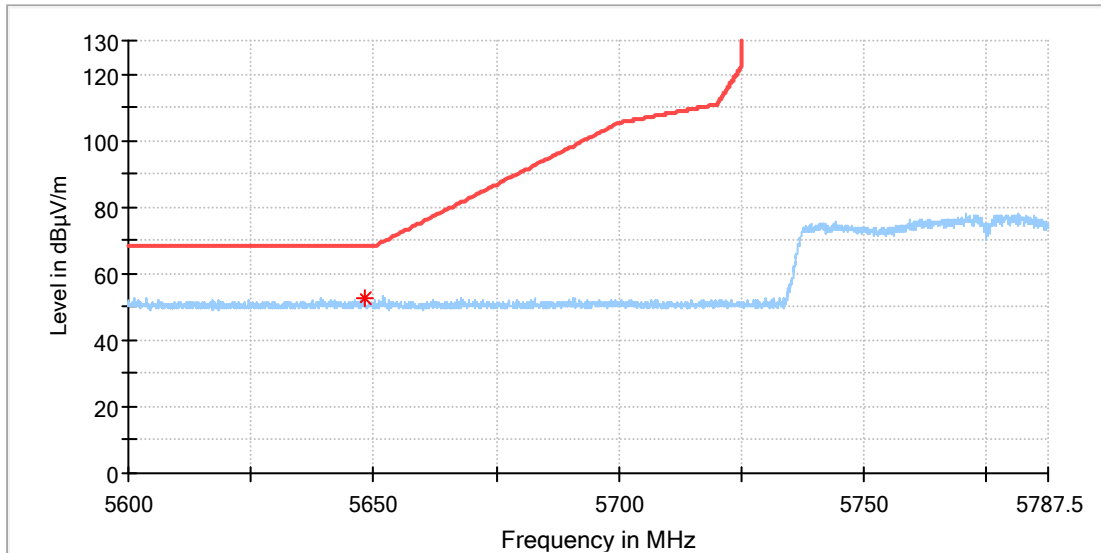
### Final Result

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

Wi-Fi 802.11 ac(HT80) mode

EUT Information

EUT Name:	System Controller
Model:	EL-SC-300
Test Mode:	WiFi 5G_11ac80_Ch155
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



Critical\_Freqs

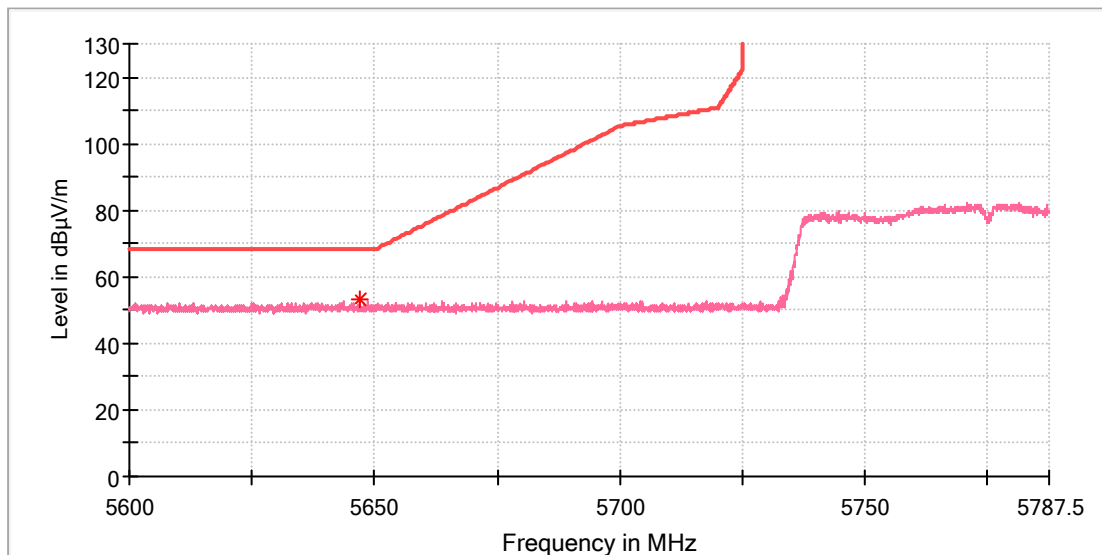
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5648.125000	52.51	---	68.20	15.69	100.0	H	39.0	13.8

Final\_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (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 5G_11ac80_Ch155
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)
5646.875000	53.19	---	68.20	15.01	100.0	V	131.0	13.8

### Final Result

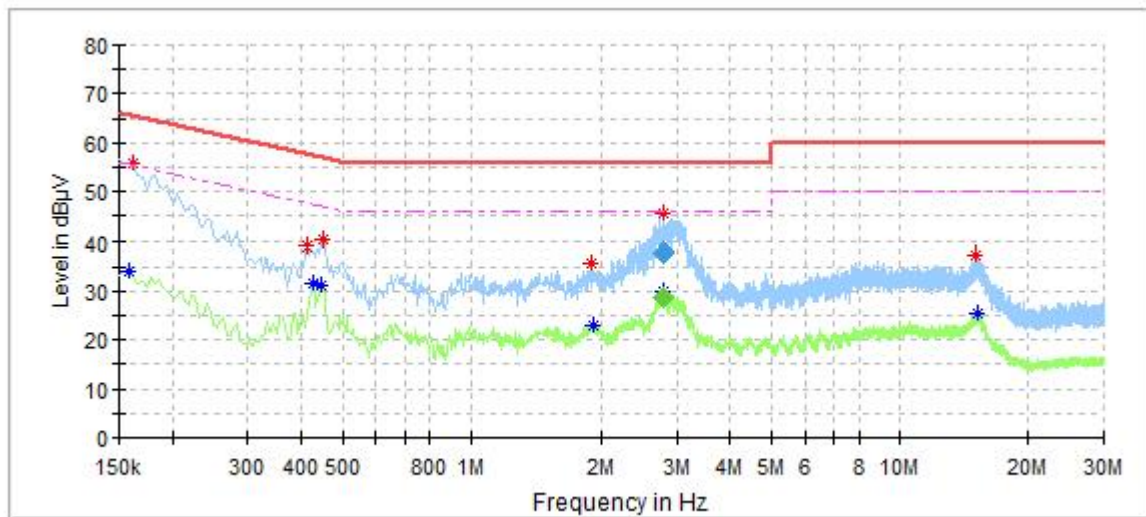
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

## Appendix C.7: Test Results of Conducted Emission on AC Mains

Wi-Fi 802.11 a/n/ac 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

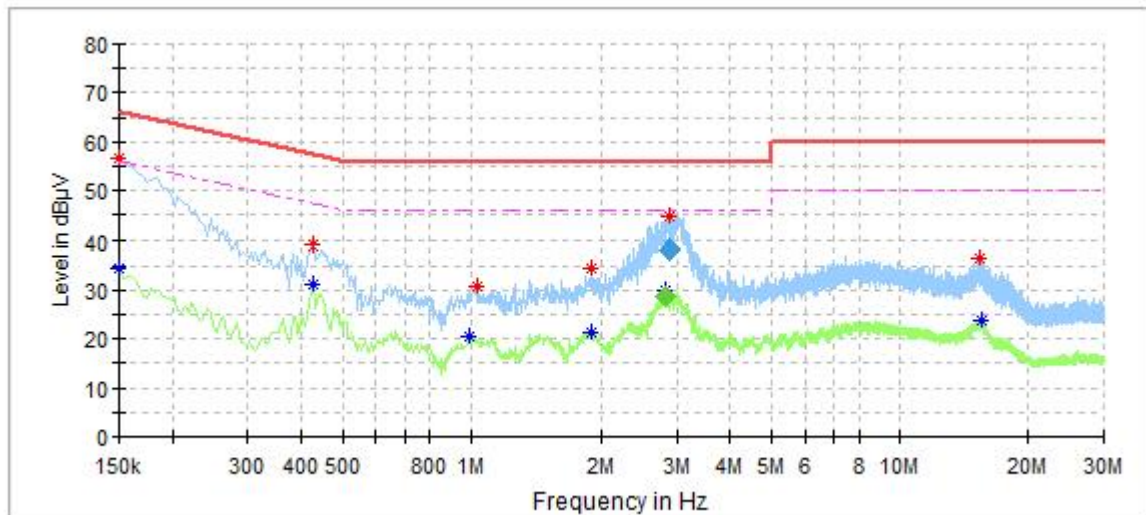
### Final Result

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