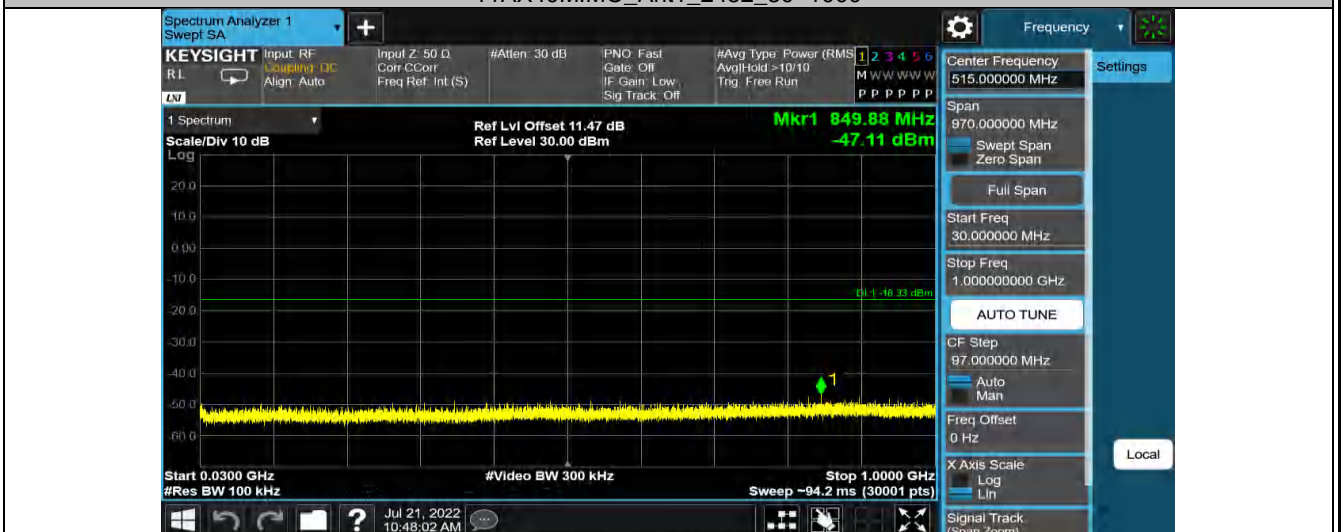


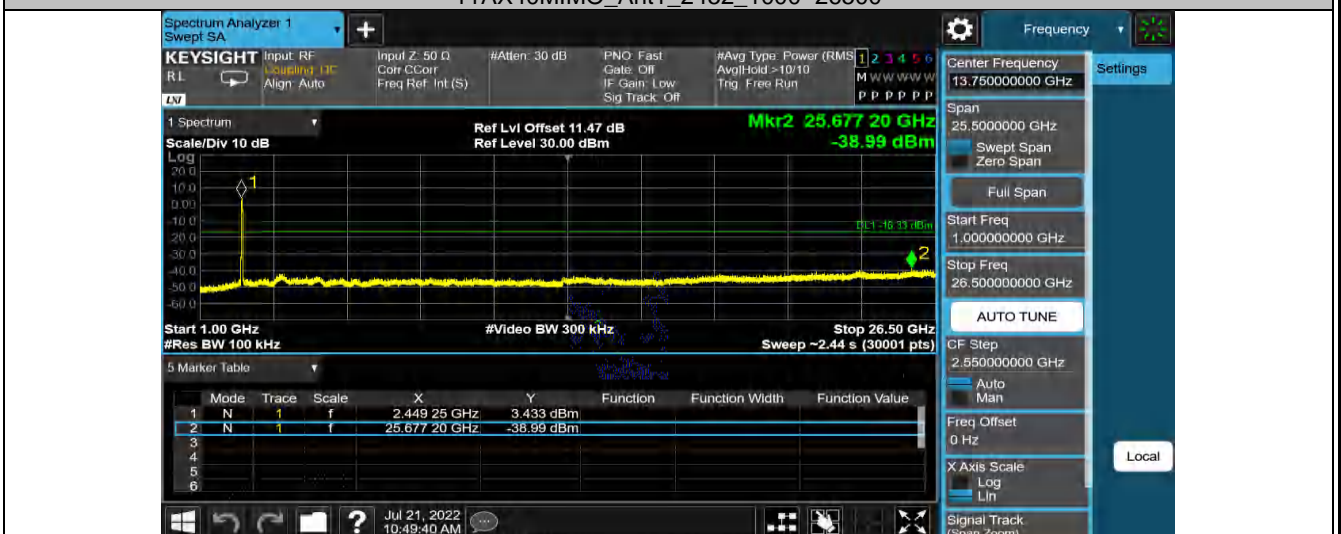
11AX40MIMO\_Ant1\_2452\_0-Reference



11AX40MIMO\_Ant1\_2452\_30-1000



11AX40MIMO\_Ant1\_2452\_1000-26500



### Band Edge

TestMode	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B-CDD	Low	2412	3.37	-45.72	≤-16.63	PASS
	High	2462	4.64	-46.40	≤-15.37	PASS
11G-CDD	Low	2412	6.77	-36.73	≤-13.24	PASS
	High	2462	8.01	-46.35	≤-11.99	PASS
11N20MIMO	Low	2412	8.18	-35.97	≤-11.82	PASS
	High	2462	6.90	-44.1	≤-13.11	PASS
11N40MIMO	Low	2422	4.32	-32.5	≤-15.69	PASS
	High	2452	4.26	-42.8	≤-15.74	PASS
11AX20MIMO	Low	2412	6.84	-39.15	≤-13.16	PASS
	High	2462	6.74	-44.04	≤-13.26	PASS
11AX40MIMO	Low	2422	3.71	-32.31	≤-16.29	PASS
	High	2452	3.67	-39.64	≤-16.34	PASS

11B-CDD\_Ant1\_Low\_2412



11B-CDD\_Ant1\_High\_2462



11G-CDD\_Ant1\_Low\_2412



11G-CDD\_Ant1\_High\_2462



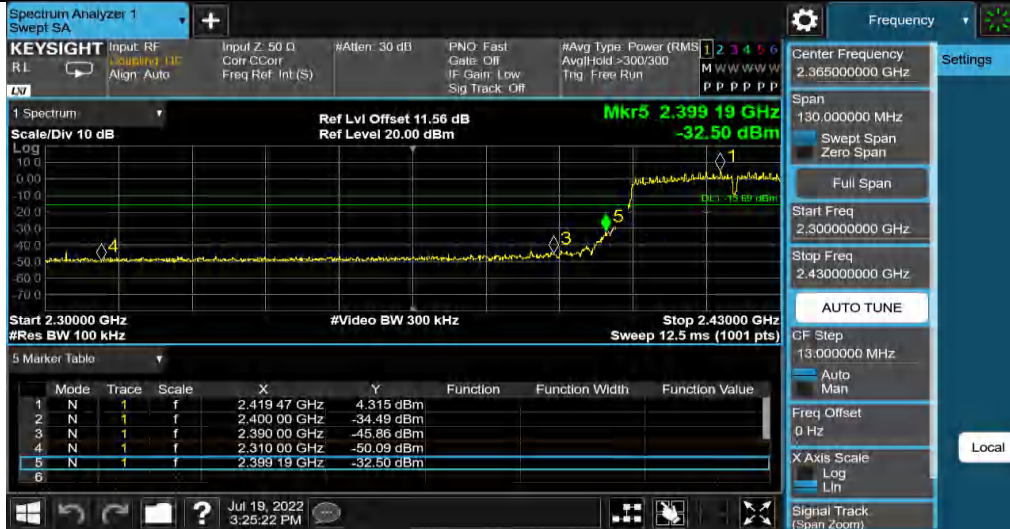
11N20MIMO\_Ant1\_Low\_2412



11N20MIMO\_Ant1\_High\_2462



11N40MIMO\_Ant1\_Low\_2422



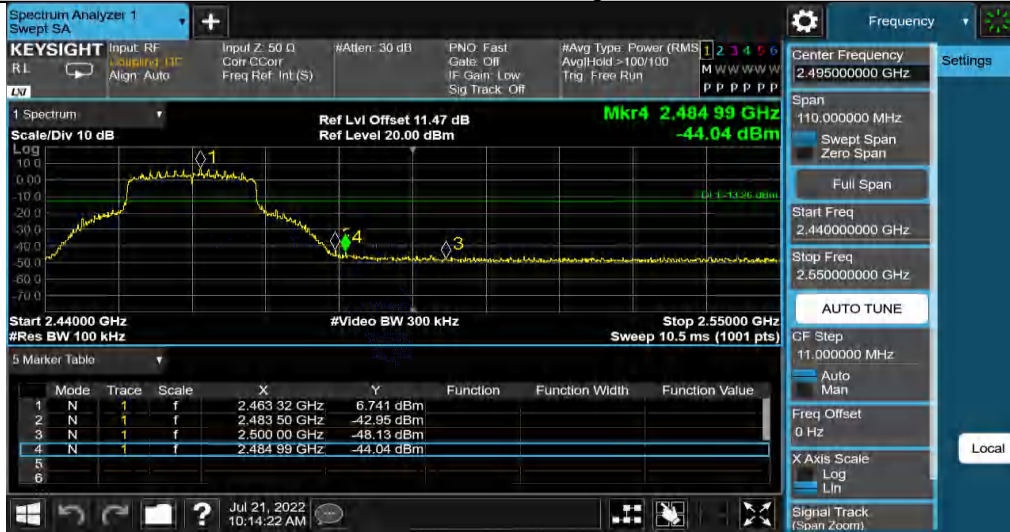
11N40MIMO\_Ant1\_High\_2452



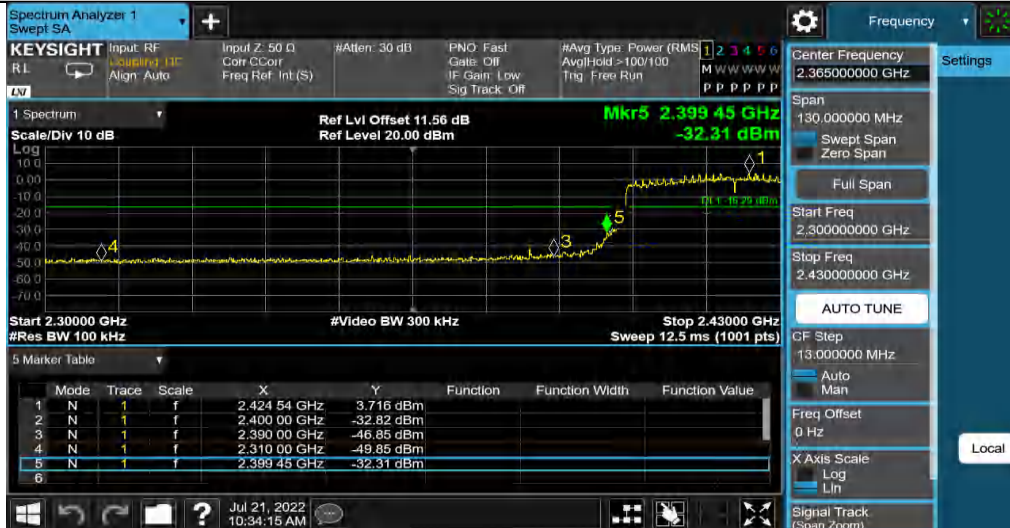
11AX20MIMO\_Ant1\_Low\_2412



11AX20MIMO\_Ant1\_High\_2462



11AX40MIMO\_Ant1\_Low\_2422



11AX40MIMO\_Ant1\_High\_2452

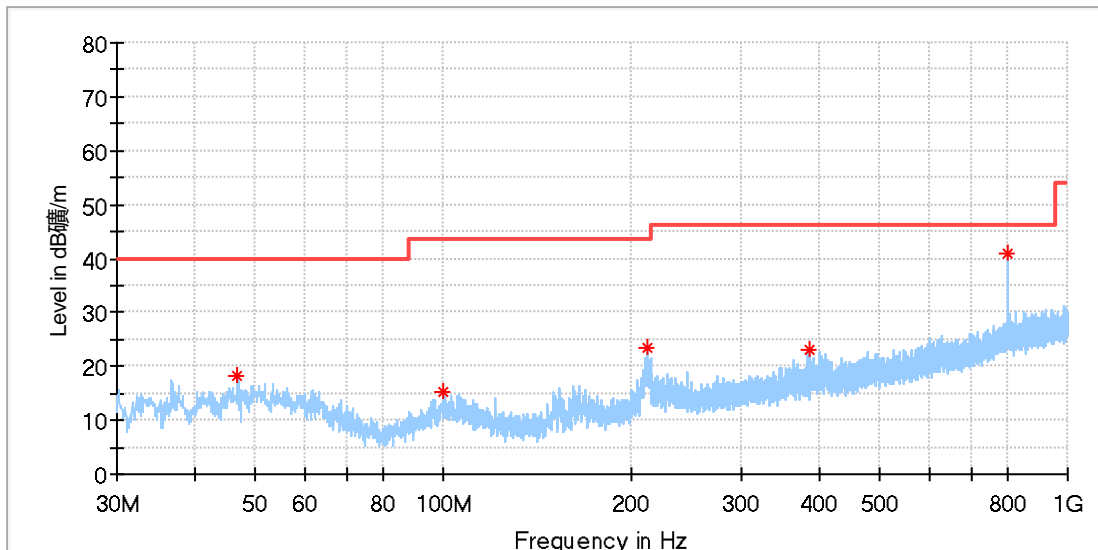


### Appendix B.5: Test Results of Radiated Spurious Emissions

Note: 1. 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.  
2. This testing was carried out on different modulations, but only the worst cases were presented in this report.  
**30MHz - 1GHz (Worst case)**

#### EUT Information

EUT Name:	Home Gateway
Model:	E1320
Test Mode:	WiFi 2.4G_11b_Ch6
Order No/Sample No:	168381079/A003294694-002
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



#### Critical Freqs

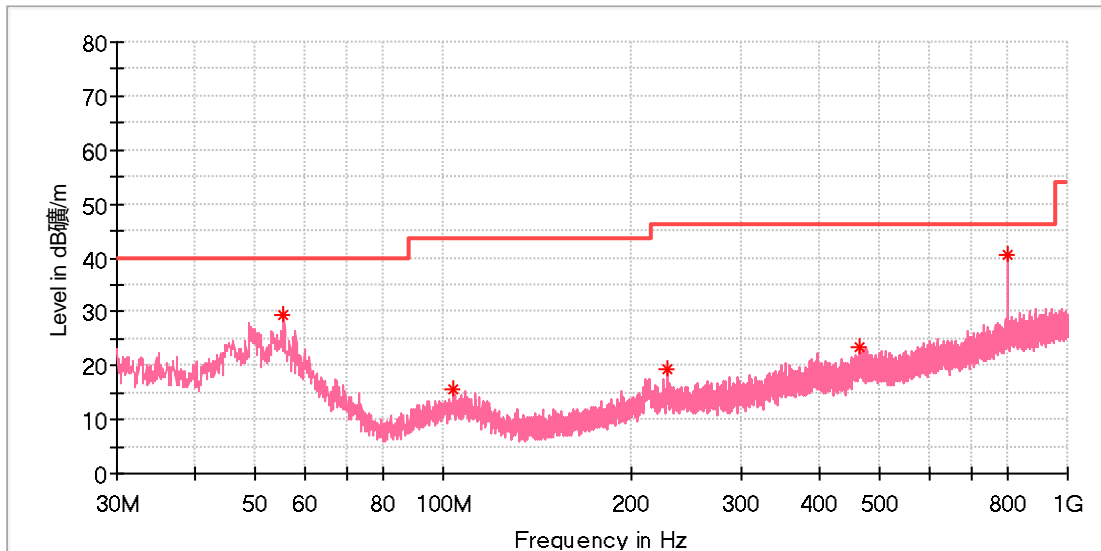
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
46.878000	18.26	40.00	21.74	100.0	H	227.0	-18.5
100.276500	15.16	43.50	28.34	100.0	H	121.0	-19.0
211.632500	23.34	43.50	20.16	100.0	H	298.0	-18.9
386.329500	22.95	46.00	23.05	100.0	H	109.0	-14.0
800.034500	40.78	46.00	5.22	100.0	H	343.0	-6.4

#### Final Result

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

### EUT Information

EUT Name:	Home Gateway
Model:	E1320
Test Mode:	WiFi 2.4G_11b_Ch6
Order No/Sample No:	168381079/A003294694-002
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
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)
55.559500	29.42	40.00	10.58	100.0	V	111.0	-18.5
103.574500	15.66	43.50	27.84	100.0	V	345.0	-18.8
228.704500	19.35	46.00	26.65	100.0	V	87.0	-18.1
463.832500	23.29	46.00	22.71	100.0	V	216.0	-12.6
800.034500	40.51	46.00	5.49	100.0	V	99.0	-6.4

### Final Result

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



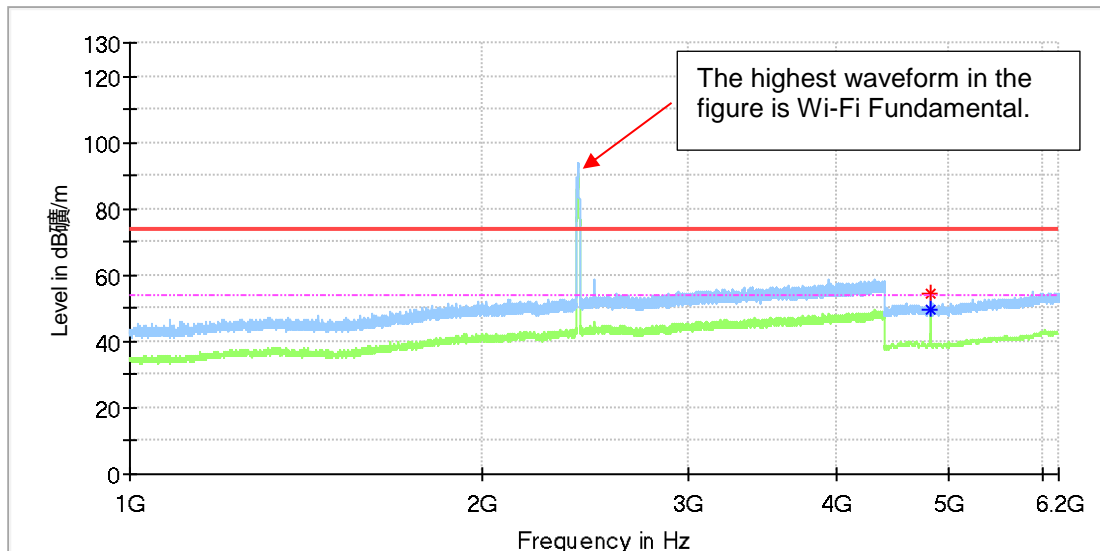
### 1GHz - 18GHz (Worst-case)

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

### 802.11b:

### EUT Information

EUT Name:	Home Gateway
Model:	E1320
Test Mode:	WiFi 2.4G_11b_Ch1
Order No/Sample No:	168381079/A003294694-002
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



### Critical Freqs

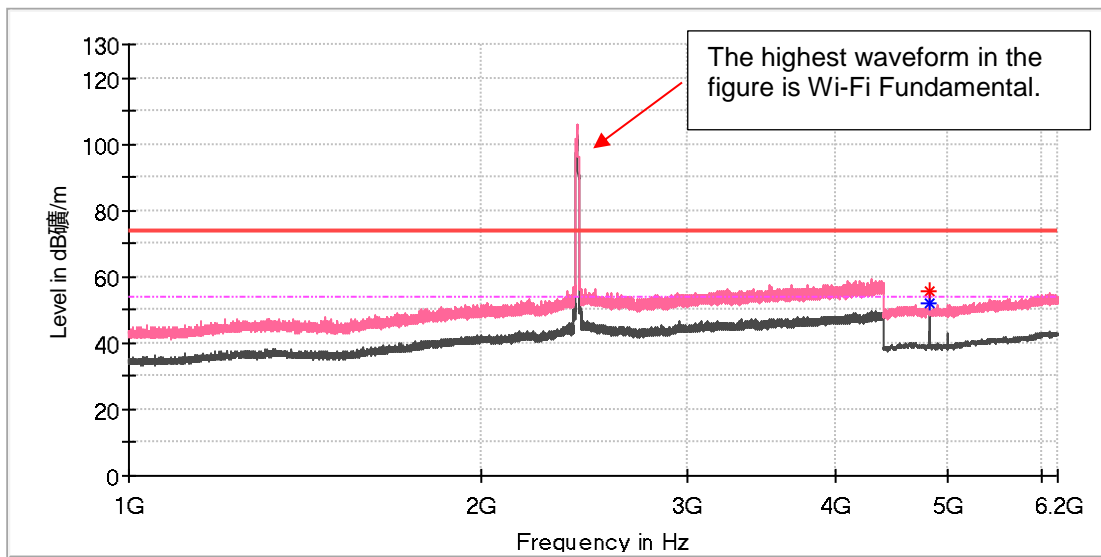
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4823.500000	54.21	---	74.00	19.79	100.0	H	37.0	11.8
4824.000000	---	49.68	54.00	4.32	100.0	H	37.0	11.8

### Final Result

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

### EUT Information

EUT Name: Home Gateway  
 Model: E1320  
 Test Mode: WiFi 2.4G\_11b\_Ch1  
 Order No/Sample No: 168381079/A003294694-002  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical\_Freqs

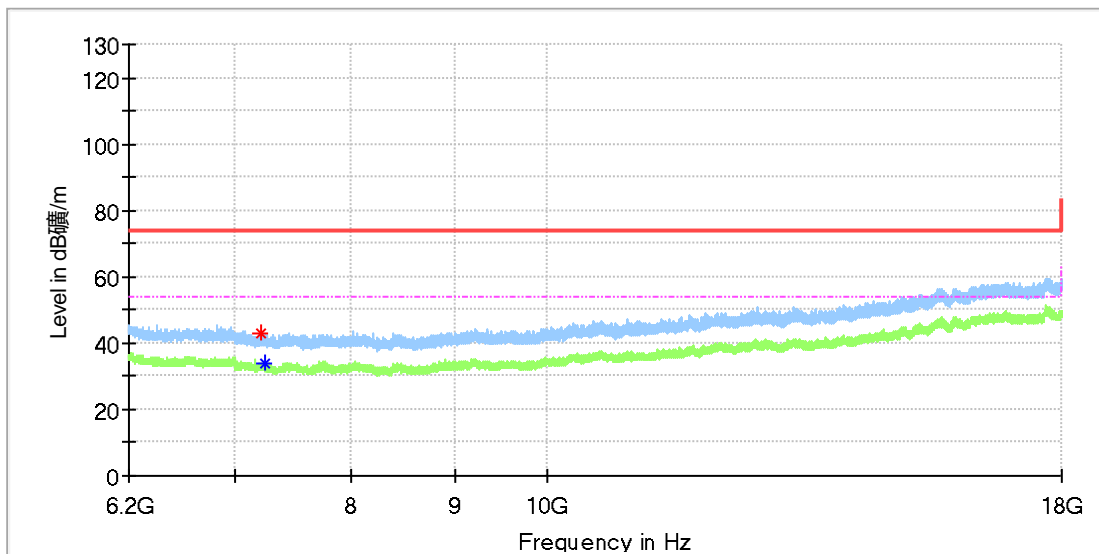
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4824.000000	55.57	---	74.00	18.43	100.0	V	80.0	11.8
4824.000000	---	51.98	54.00	2.02	100.0	V	80.0	11.8

### Final\_Result

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

## EUT Information

EUT Name:	Home Gateway
Model:	E1320
Test Mode:	WiFi 2.4G_11b_Ch1
Order No/Sample No:	168381079/A003294694-002
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



## Critical\_Freqs

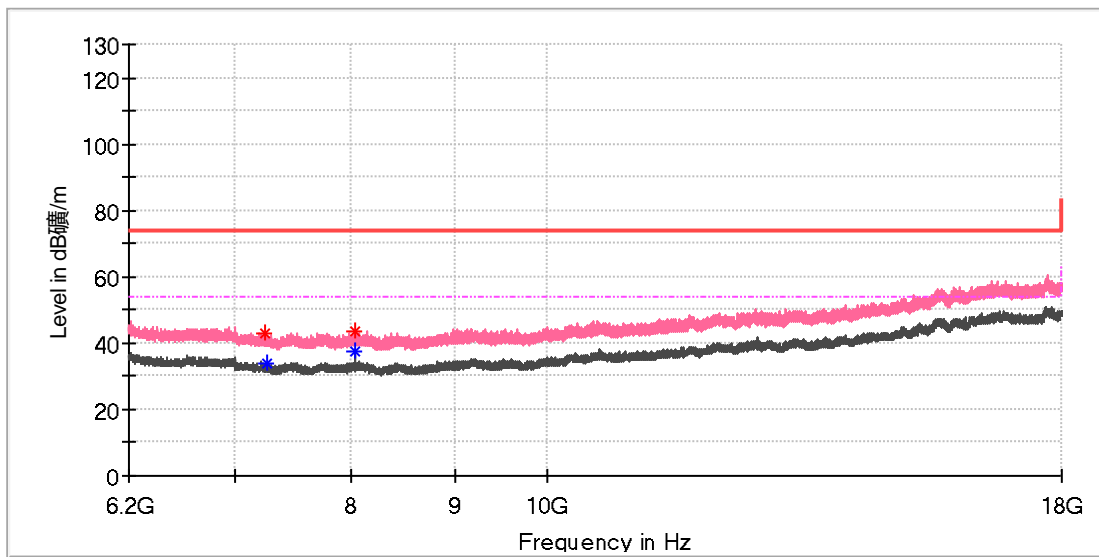
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7217.750000	42.96	---	74.00	31.04	100.0	H	287.0	8.7
7239.383333	---	33.96	54.00	20.04	100.0	H	226.0	8.6

## Final\_Result

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

## EUT Information

EUT Name: Home Gateway  
 Model: E1320  
 Test Mode: WiFi 2.4G\_11b\_Ch1  
 Order No/Sample No: 168381079/A003294694-002  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



## Critical\_Freqs

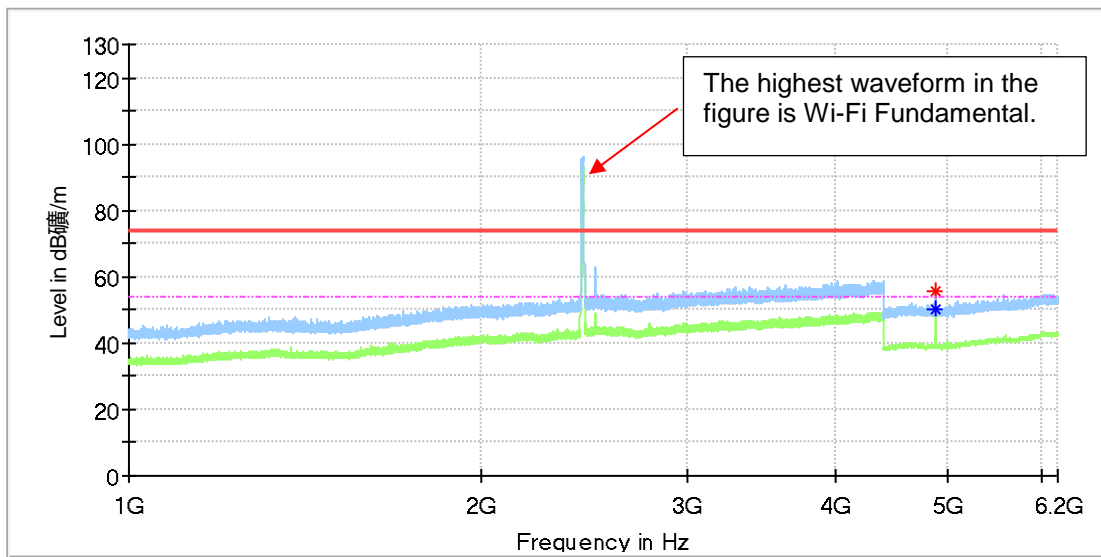
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7236.925000	42.79	---	74.00	31.21	100.0	V	337.0	8.6
7259.541667	---	33.80	54.00	20.20	100.0	V	18.0	8.5
8030.966667	43.32	---	74.00	30.68	100.0	V	31.0	8.9
8030.966667	---	37.36	54.00	16.64	100.0	V	31.0	8.9

## Final\_Result

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

### EUT Information

EUT Name: Home Gateway  
 Model: E1320  
 Test Mode: WiFi 2.4G\_11b\_Ch6  
 Order No/Sample No: 168381079/A003294694-002  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical\_Freqs

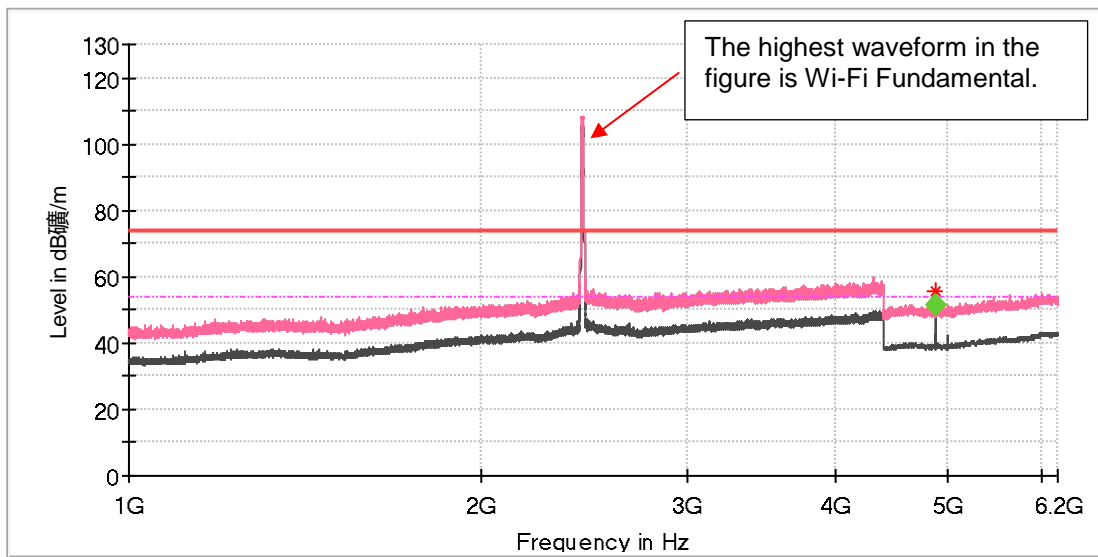
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4874.000000	55.33	---	74.00	18.67	100.0	H	37.0	11.8
4874.000000	---	50.29	54.00	3.71	100.0	H	37.0	11.8

### Final\_Result

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

### EUT Information

EUT Name: Home Gateway  
 Model: E1320  
 Test Mode: WiFi 2.4G\_11b\_Ch6  
 Order No/Sample No: 168381079/A003294694-002  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical\_Freqs

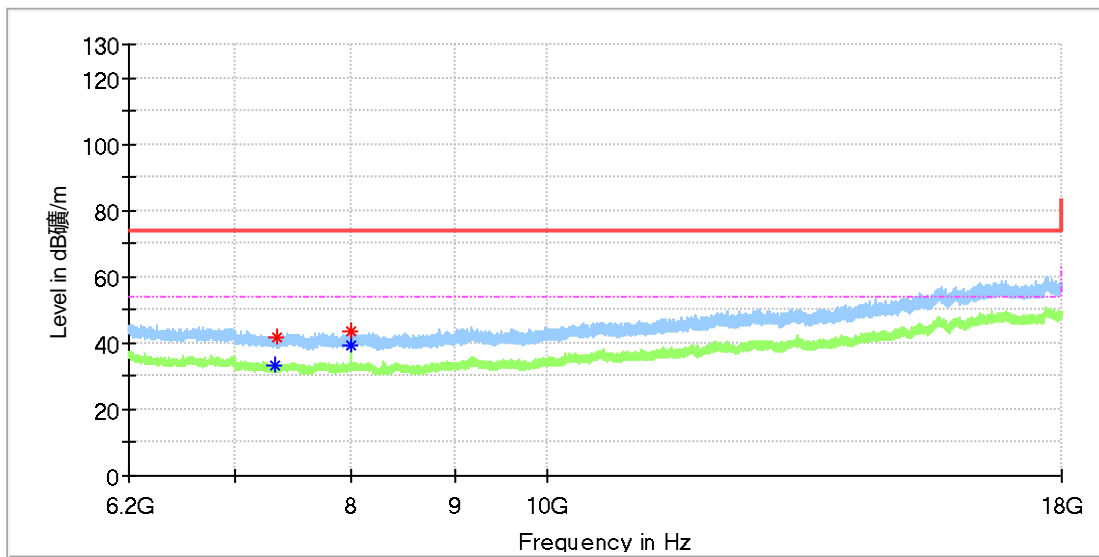
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4874.000000	55.77	---	74.00	18.23	100.0	V	83.0	11.8

### Final\_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4873.950000	51.28	54.00	2.72	105.0	V	81.0	11.8

## EUT Information

EUT Name: Home Gateway  
 Model: E1320  
 Test Mode: WiFi 2.4G\_11b\_Ch6  
 Order No/Sample No: 168381079/A003294694-002  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



## Critical\_Freqs

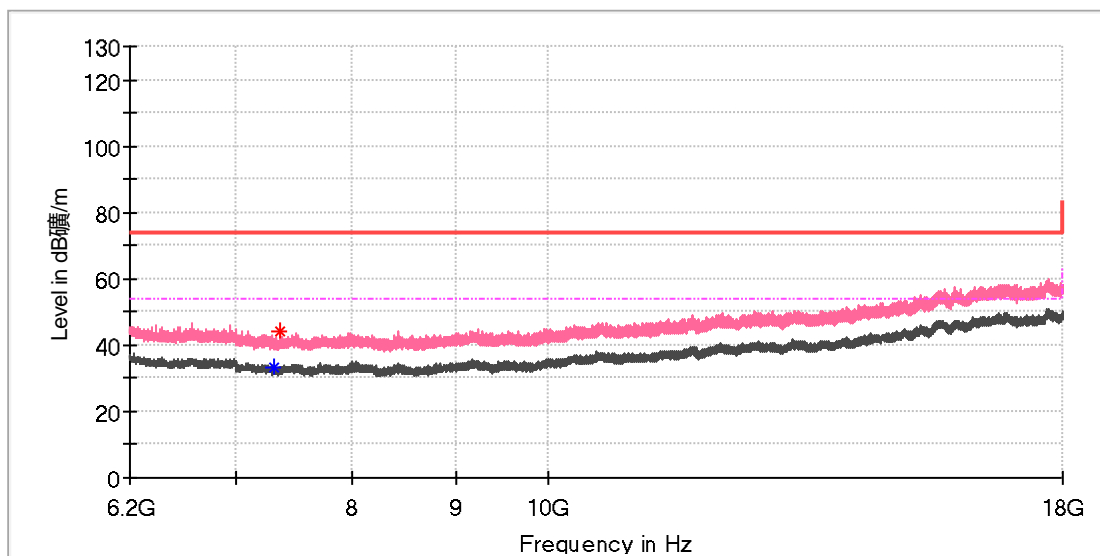
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7319.525000	---	33.05	54.00	20.95	100.0	H	34.0	8.2
7335.750000	41.88	---	74.00	32.12	100.0	H	11.0	8.1
7999.991667	43.40	---	74.00	30.60	100.0	H	181.0	8.8
7999.991667	---	39.13	54.00	14.87	100.0	H	181.0	8.8

## Final\_Result

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

## EUT Information

EUT Name:	Home Gateway
Model:	E1320
Test Mode:	WiFi 2.4G_11b_Ch6
Order No/Sample No:	168381079/A003294694-002
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



## Critical\_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7308.216667	---	33.28	54.00	20.72	100.0	V	326.0	8.2
7364.758333	43.99	---	74.00	30.01	100.0	V	224.0	8.2

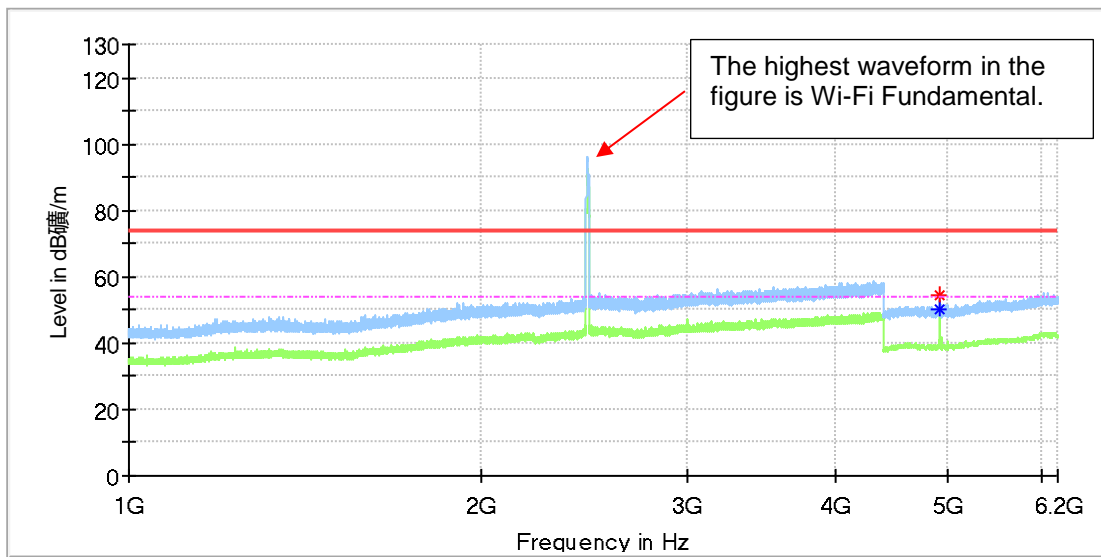
## Final\_Result

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



### EUT Information

EUT Name: Home Gateway  
 Model: E1320  
 Test Mode: WiFi 2.4G\_11b\_Ch11  
 Order No/Sample No: 168381079/A003294694-002  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical\_Freqs

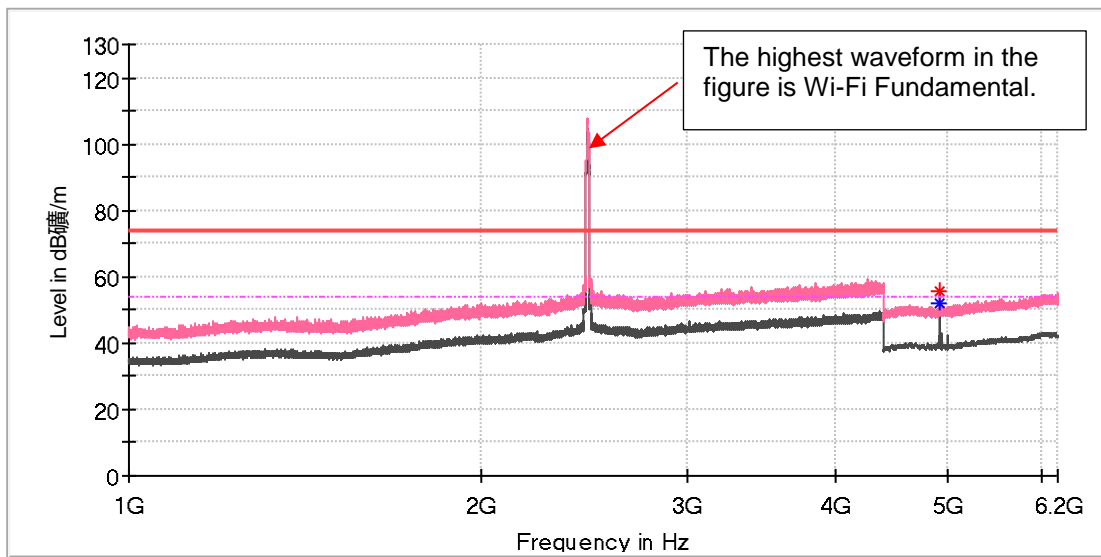
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4924.000000	54.68	---	74.00	19.32	100.0	H	173.0	11.8
4924.000000	---	50.19	54.00	3.81	100.0	H	173.0	11.8

### Final\_Result

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

### EUT Information

EUT Name:	Home Gateway
Model:	E1320
Test Mode:	WiFi 2.4G_11b_Ch11
Order No/Sample No:	168381079/A003294694-002
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



### Critical\_Freqs

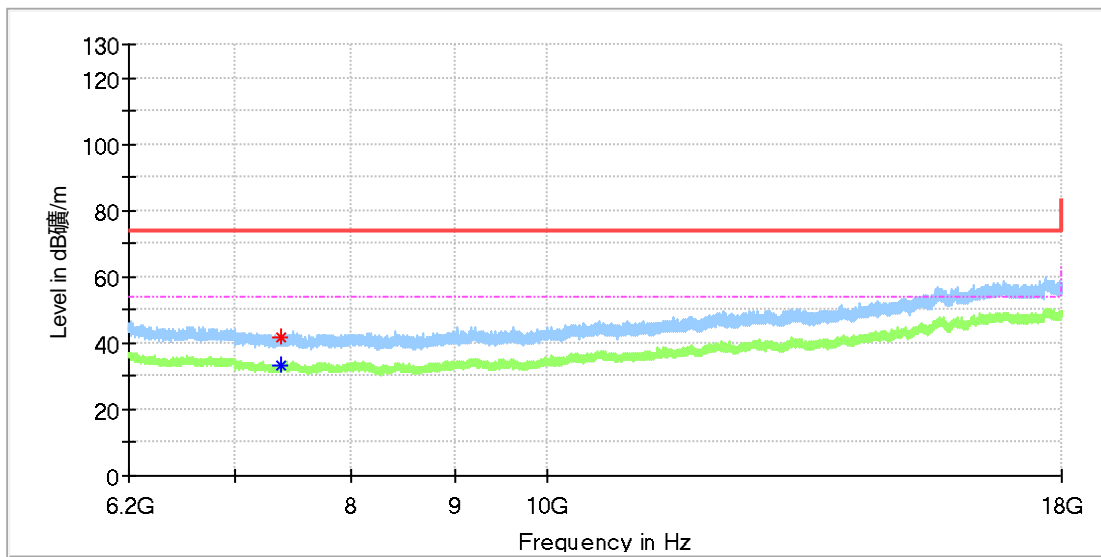
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4924.000000	---	51.77	54.00	2.23	100.0	V	37.0	11.8
4924.000000	55.65	---	74.00	18.35	100.0	V	37.0	11.8

### Final\_Result

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

### EUT Information

EUT Name: Home Gateway  
 Model: E1320  
 Test Mode: WiFi 2.4G\_11b\_Ch11  
 Order No/Sample No: 168381079/A003294694-002  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical\_Freqs

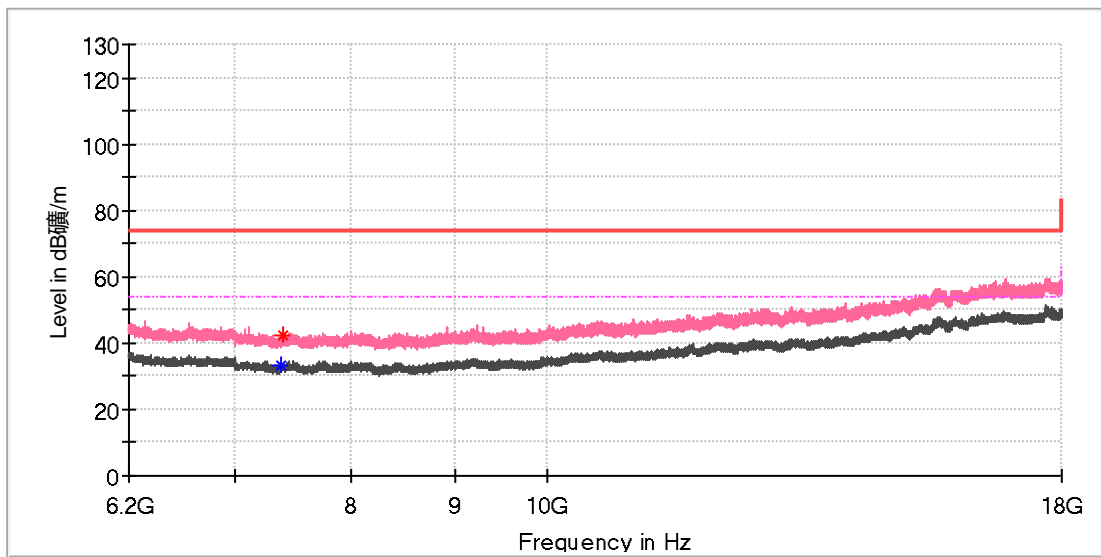
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7368.691667	42.01	---	74.00	31.99	100.0	H	101.0	8.2
7373.116667	---	33.49	54.00	20.51	100.0	H	149.0	8.2

### Final\_Result

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

### EUT Information

EUT Name: Home Gateway  
 Model: E1320  
 Test Mode: WiFi 2.4G\_11b\_Ch11  
 Order No/Sample No: 168381079/A003294694-002  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7383.441667	---	33.44	54.00	20.56	100.0	V	288.0	8.2
7398.191667	42.30	---	74.00	31.70	100.0	V	6.0	8.3

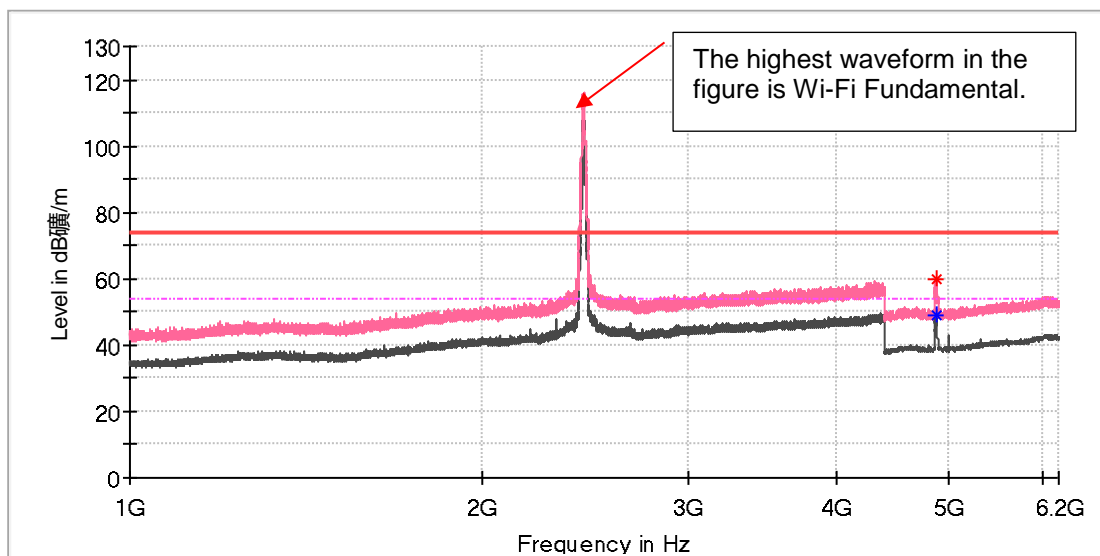
### Final\_Result

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



### EUT Information

EUT Name:	Home Gateway
Model:	E1320
Test Mode:	WiFi 2.4G_11g_Ch6
Order No/Sample No:	168381079/A003294694-002
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



### Critical\_Freqs

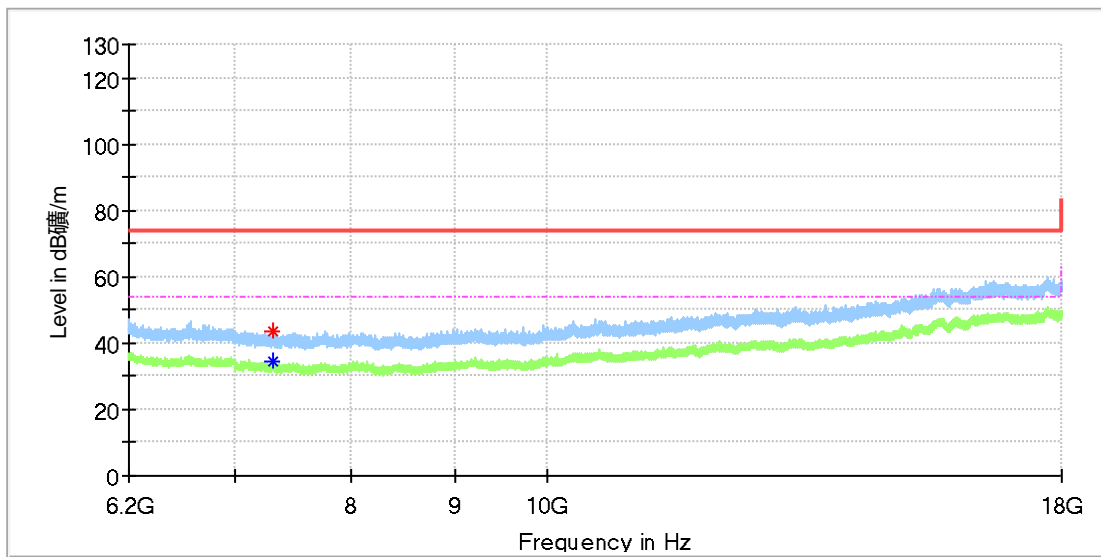
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4875.500000	60.02	---	74.00	13.98	100.0	V	109.0	11.8
4876.000000	---	49.21	54.00	4.79	100.0	V	109.0	11.8

### Final\_Result

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

### EUT Information

EUT Name: Home Gateway  
 Model: E1320  
 Test Mode: WiFi 2.4G\_11g\_Ch6  
 Order No/Sample No: 168381079/A003294694-002  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical\_Freqs

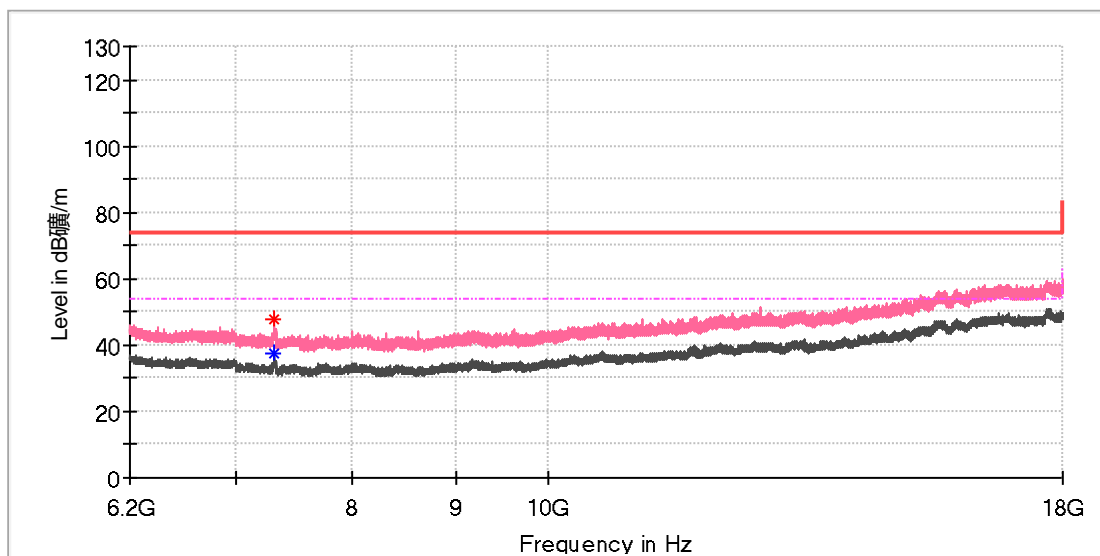
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7311.166667	43.59	---	74.00	30.41	100.0	H	238.0	8.2
7314.116667	---	34.61	54.00	19.39	100.0	H	144.0	8.2

### Final\_Result

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

## EUT Information

EUT Name:	Home Gateway
Model:	E1320
Test Mode:	WiFi 2.4G_11g_Ch6
Order No/Sample No:	168381079/A003294694-002
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



## Critical\_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7307.725000	---	37.59	54.00	16.41	100.0	V	350.0	8.3
7310.183333	47.47	---	74.00	26.53	100.0	V	350.0	8.2

## Final\_Result

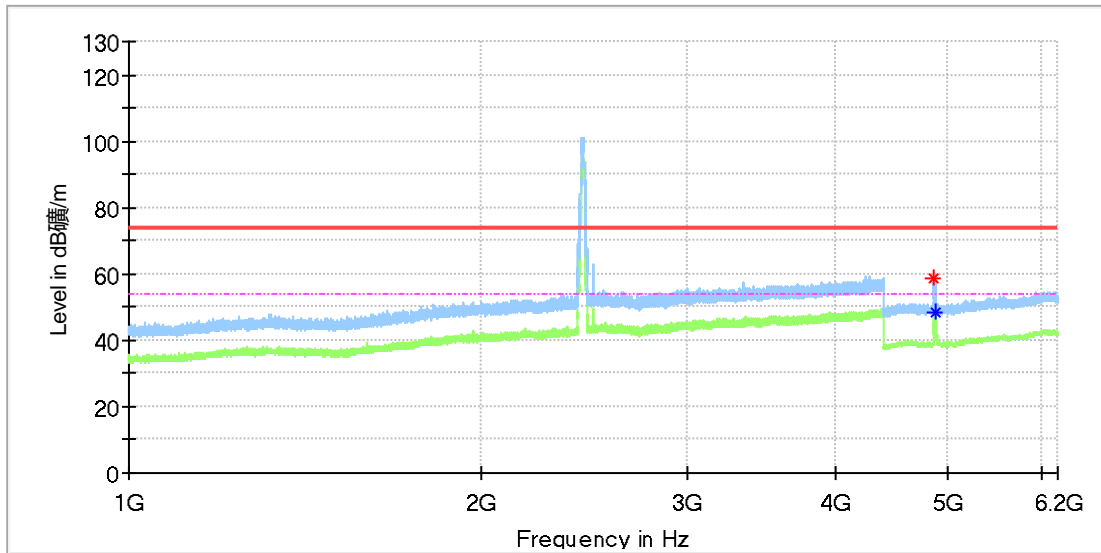
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---



**802.11n (HT20):**

**EUT Information**

EUT Name: Home Gateway  
 Model: E1320  
 Test Mode: WiFi 2.4G\_11n20\_Ch6  
 Order No./Sample No: 168381079/A003294694-002  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



**Critical\_Freqs**

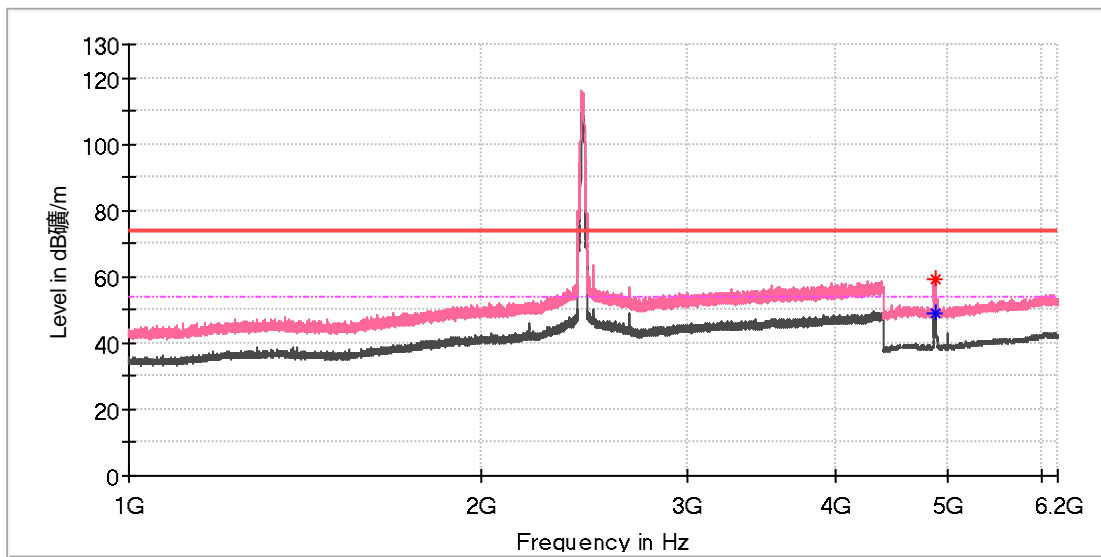
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4863.500000	58.54	---	74.00	15.46	100.0	H	37.0	11.8
4871.500000	---	48.09	54.00	5.91	100.0	H	37.0	11.8

**Final\_Result**

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

### EUT Information

EUT Name:	Home Gateway
Model:	E1320
Test Mode:	WiFi 2.4G_11n20_Ch6
Order No/Sample No:	168381079/A003294694-002
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



### Critical\_Freqs

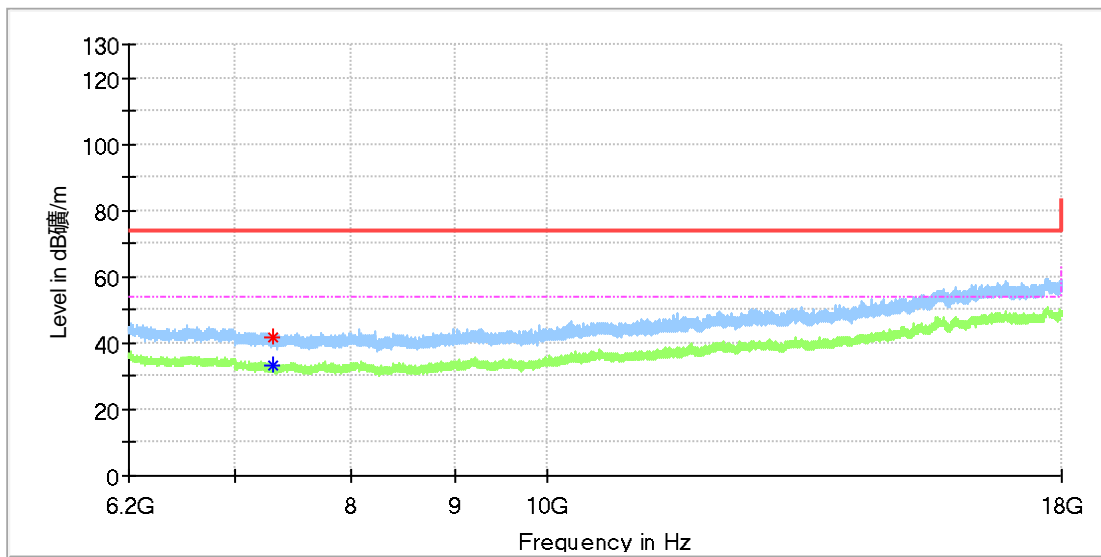
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4869.500000	59.38	---	74.00	14.62	100.0	V	87.0	11.8
4874.500000	---	49.22	54.00	4.78	100.0	V	28.0	11.8

### Final\_Result

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

### EUT Information

EUT Name: Home Gateway  
 Model: E1320  
 Test Mode: WiFi 2.4G\_11n20\_Ch6  
 Order No/Sample No: 168381079/A003294694-002  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical\_Freqs

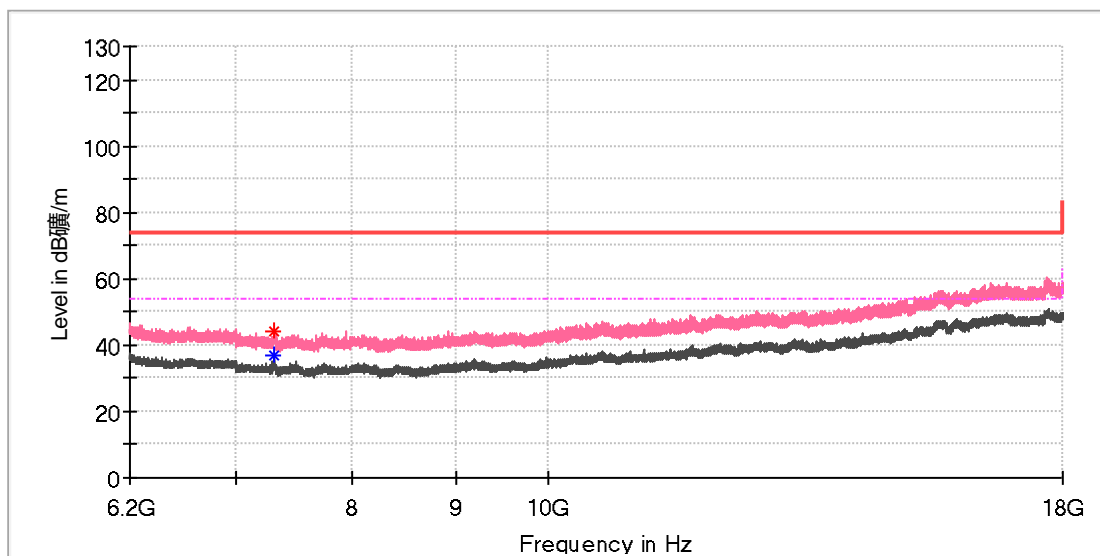
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7305.266667	---	33.39	54.00	20.61	100.0	H	43.0	8.3
7305.758333	41.99	---	74.00	32.01	100.0	H	0.0	8.3

### Final\_Result

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

## EUT Information

EUT Name:	Home Gateway
Model:	E1320
Test Mode:	WiFi 2.4G_11n20_Ch6
Order No/Sample No:	168381079/A003294694-002
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



## Critical\_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7307.725000	44.25	---	74.00	29.75	100.0	V	72.0	8.3
7312.150000	---	37.04	54.00	16.96	100.0	V	355.0	8.2

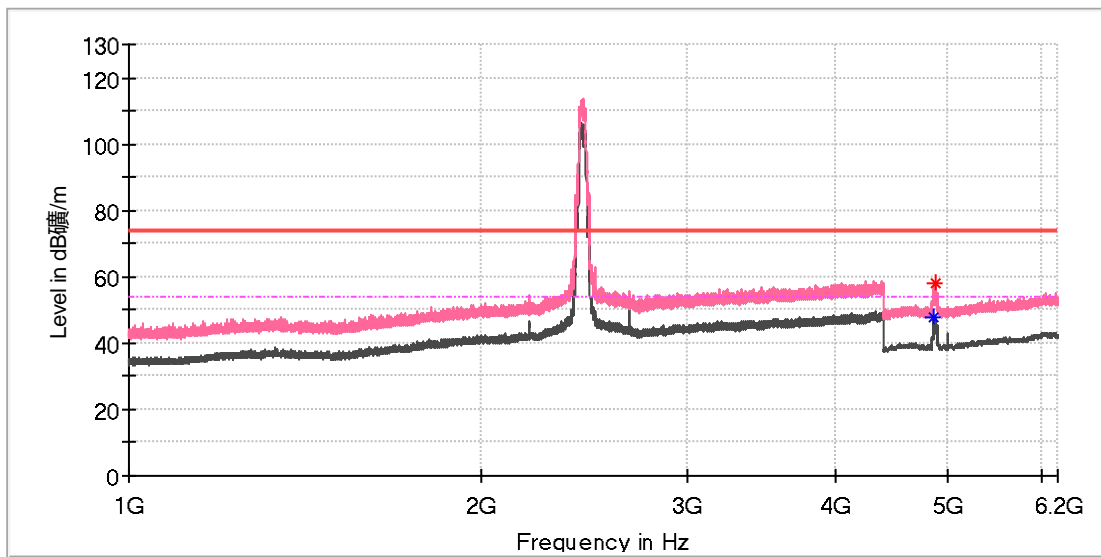
## Final\_Result

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



### EUT Information

EUT Name:	Home Gateway
Model:	E1320
Test Mode:	WiFi 2.4G_11n40_Ch6
Order No/Sample No:	168381079/A003294694-002
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



### Critical\_Freqs

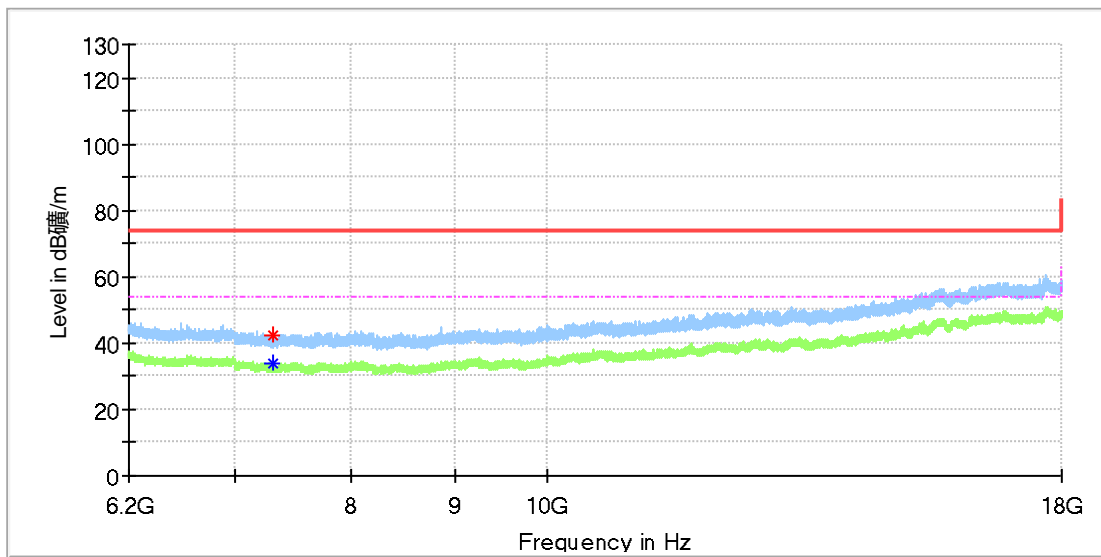
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4864.500000	---	47.90	54.00	6.10	100.0	V	82.0	11.8
4871.500000	58.01	---	74.00	15.99	100.0	V	73.0	11.8

### Final\_Result

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

### EUT Information

EUT Name:	Home Gateway
Model:	E1320
Test Mode:	WiFi 2.4G_11n40_Ch6
Order No/Sample No:	168381079/A003294694-002
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



### Critical\_Freqs

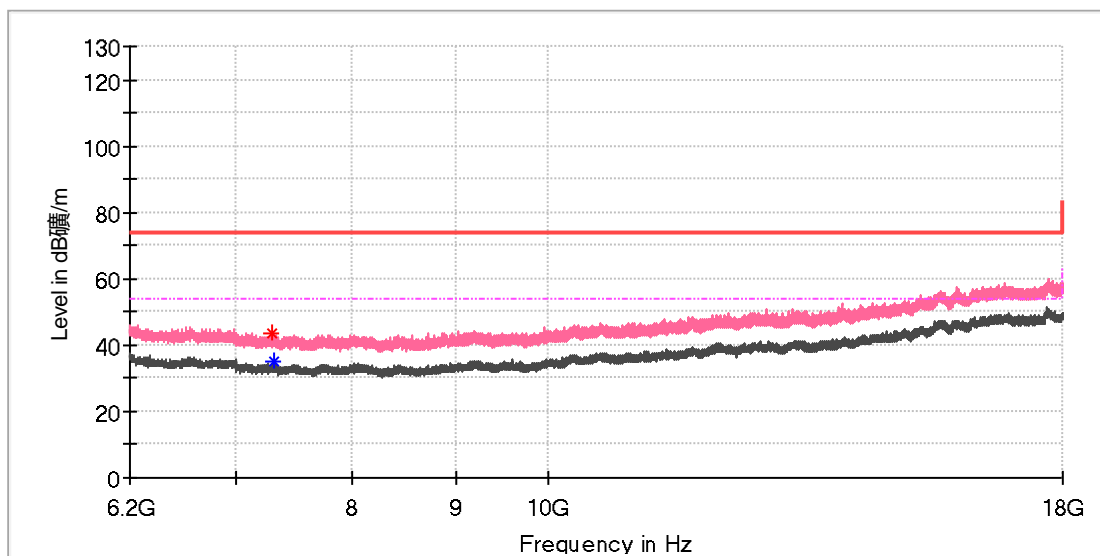
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7309.691667	42.41	---	74.00	31.59	100.0	H	45.0	8.2
7314.608333	---	33.69	54.00	20.31	100.0	H	193.0	8.2

### Final\_Result

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

## EUT Information

EUT Name:	Home Gateway
Model:	E1320
Test Mode:	WiFi 2.4G_11n40_Ch6
Order No/Sample No:	168381079/A003294694-002
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



## Critical\_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7295.433333	43.60	---	74.00	30.40	100.0	V	109.0	8.3
7312.641667	---	35.34	54.00	18.66	100.0	V	352.0	8.2

## Final\_Result

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

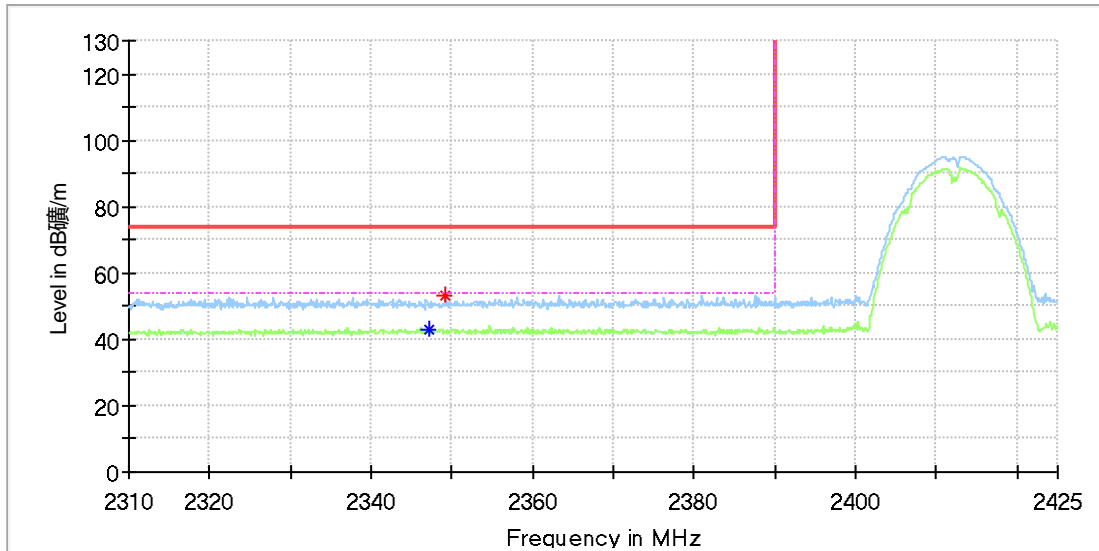


## Appendix B.6: Test Results of Radiated Emissions in Restricted Bands

802.11b:

### EUT Information

EUT Name:	Home Gateway
Model:	E1320
Test Mode:	WiFi 2.4G_11b_Ch1
Order No./Sample No.:	168381079/A003294694-002
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



### Critical Freqs

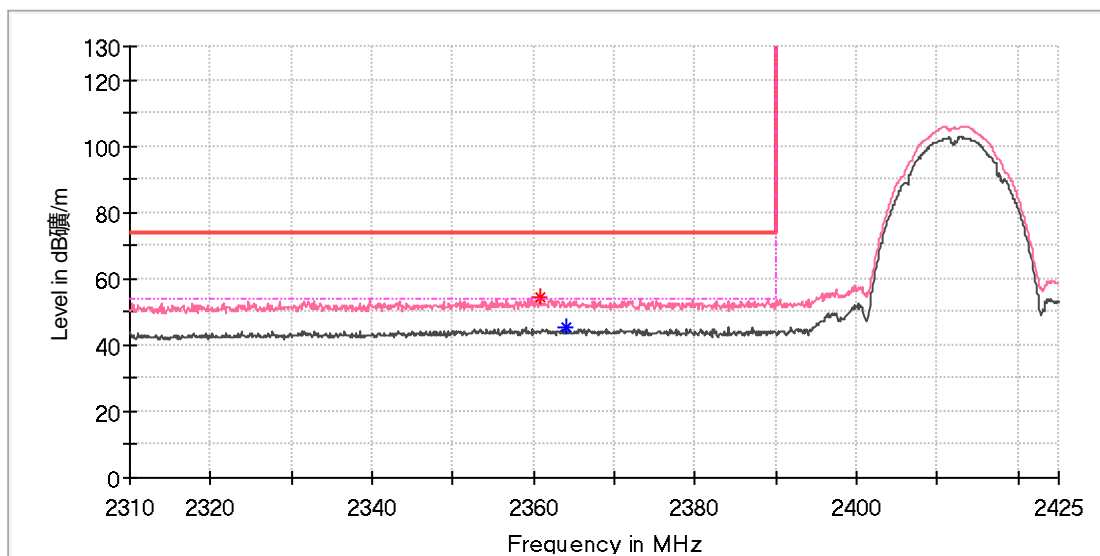
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2347.200000	---	43.02	54.00	10.98	100.0	H	353.0	6.9
2349.200000	53.12	---	74.00	20.88	100.0	H	272.0	6.9

### Final Result

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

## EUT Information

EUT Name:	Home Gateway
Model:	E1320
Test Mode:	WiFi 2.4G_11b_Ch1
Order No/Sample No:	168381079/A003294694-002
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



## Critical\_Freqs

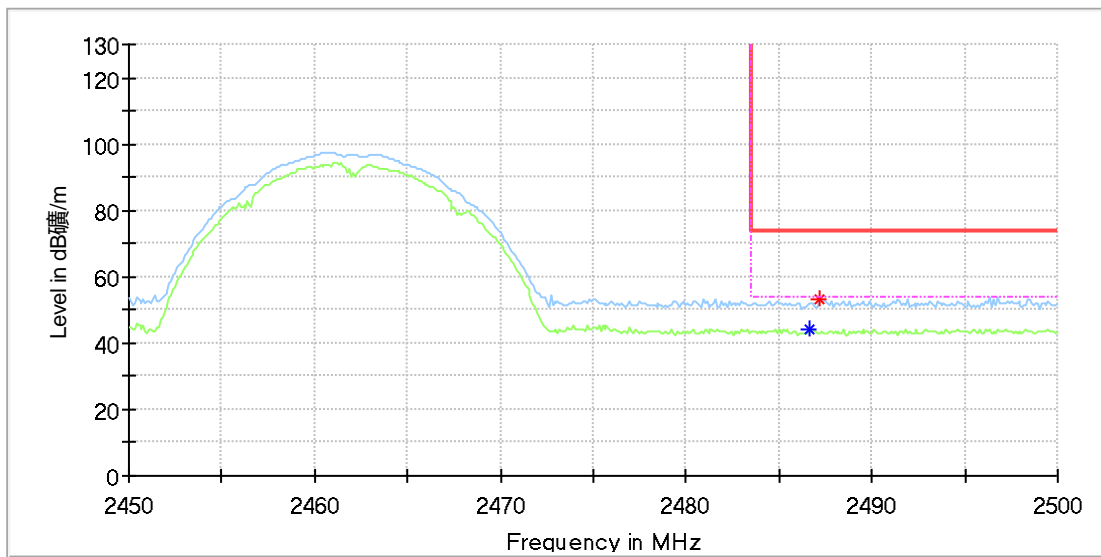
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2360.700000	54.21	---	74.00	19.79	100.0	V	63.0	6.9
2364.000000	---	45.30	54.00	8.70	100.0	V	63.0	6.9

## Final\_Result

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

### EUT Information

EUT Name:	Home Gateway
Model:	E1320
Test Mode:	WiFi 2.4G_11b_Ch11
Order No/Sample No:	168381079/A003294694-002
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



### Critical\_Freqs

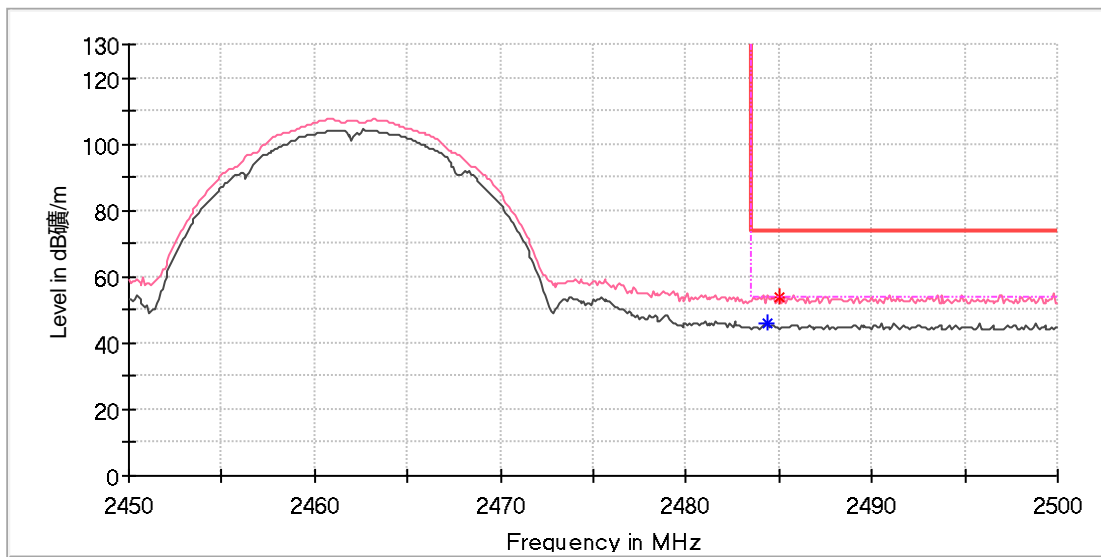
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2486.600000	---	43.90	54.00	10.10	100.0	H	299.0	7.4
2487.200000	53.06	---	74.00	20.94	100.0	H	279.0	7.4

### Final\_Result

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

### EUT Information

EUT Name:	Home Gateway
Model:	E1320
Test Mode:	WiFi 2.4G_11b_Ch11
Order No/Sample No:	168381079/A003294694-002
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.400000	---	45.93	54.00	8.07	100.0	V	252.0	7.4
2485.000000	53.74	---	74.00	20.26	100.0	V	298.0	7.4

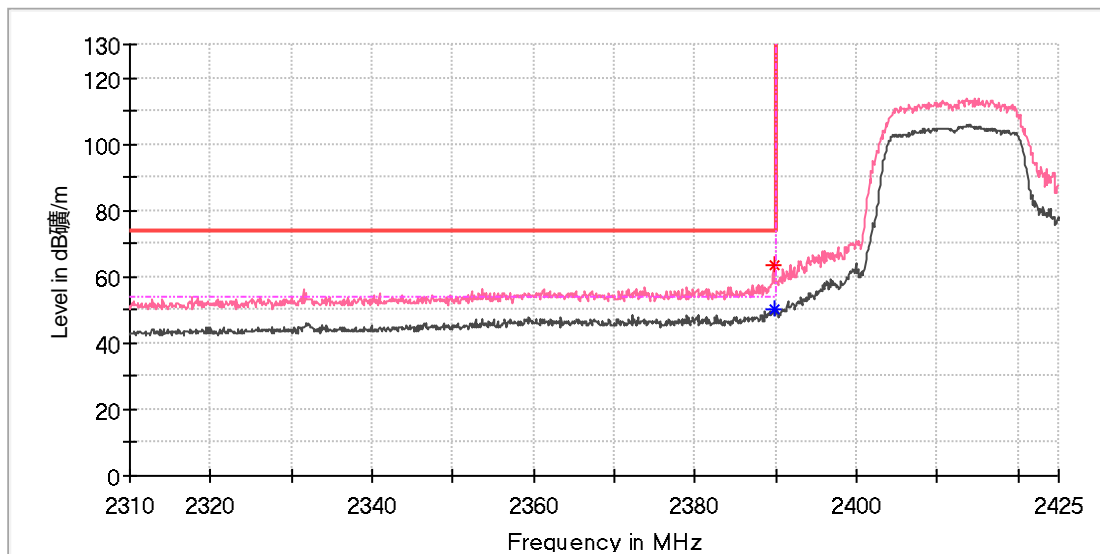
### Final\_Result

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



## EUT Information

EUT Name: Home Gateway  
 Model: E1320  
 Test Mode: WiFi 2.4G\_11g\_Ch1  
 Order No/Sample No: 168381079/A003294694-002  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



## Critical Freqs

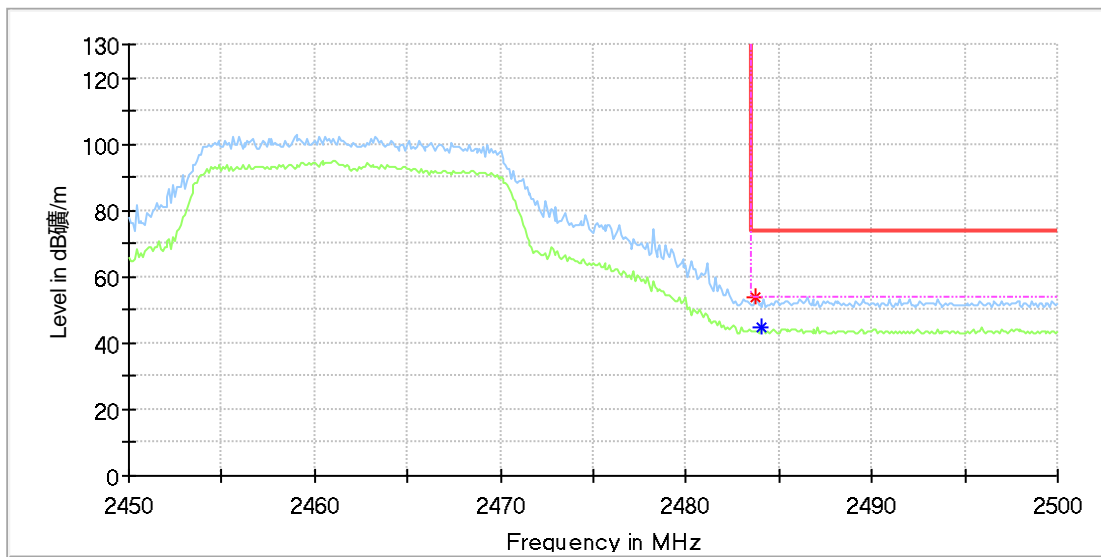
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.700000	63.41	---	74.00	10.59	100.0	V	299.0	7.0
2389.700000	---	50.16	54.00	3.84	100.0	V	299.0	7.0

## Final Result

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

### EUT Information

EUT Name: Home Gateway  
 Model: E1320  
 Test Mode: WiFi 2.4G\_11g\_Ch11  
 Order No/Sample No: 168381079/A003294694-002  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical\_Freqs

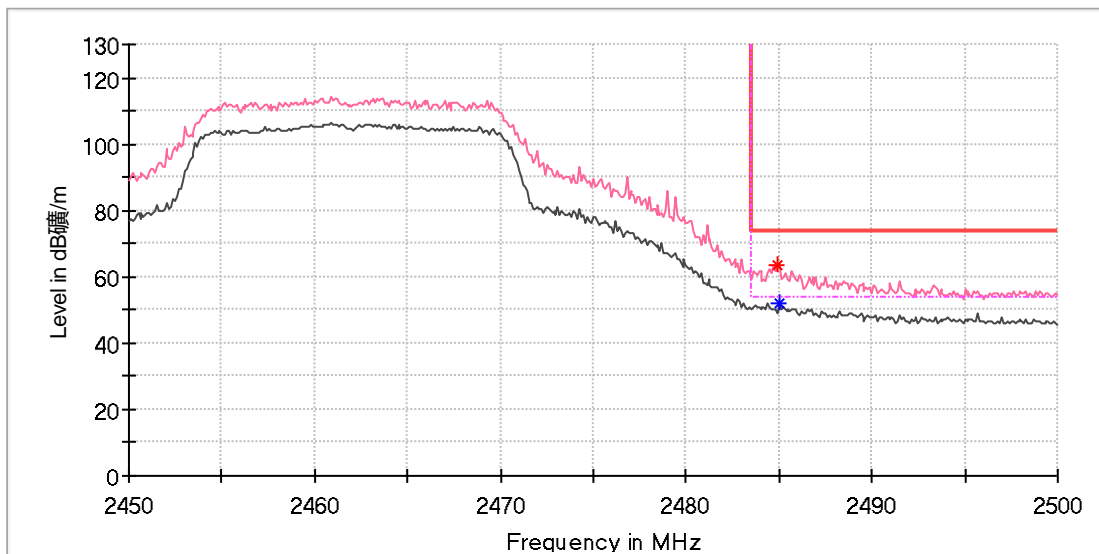
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.700000	53.85	---	74.00	20.16	100.0	H	177.0	7.4
2484.000000	---	44.61	54.00	9.39	100.0	H	51.0	7.4

### Final\_Result

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

## EUT Information

EUT Name:	Home Gateway
Model:	E1320
Test Mode:	WiFi 2.4G_11g_Ch11
Order No/Sample No:	168381079/A003294694-002
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



## Critical\_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.900000	63.76	---	74.00	10.24	100.0	V	197.0	7.4
2485.000000	---	51.90	54.00	2.10	100.0	V	305.0	7.4

## Final\_Result

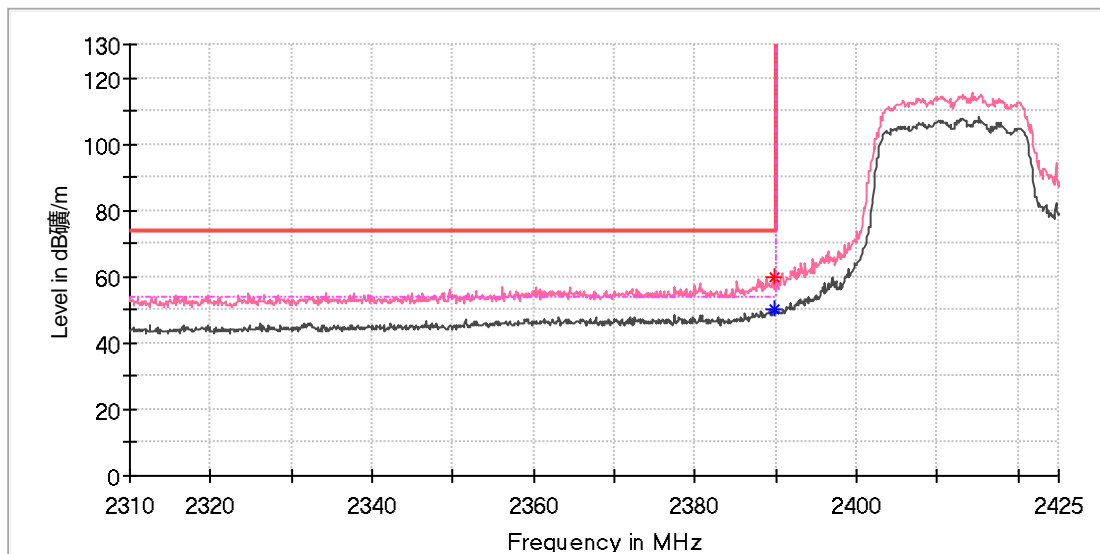
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---





## EUT Information

EUT Name:	Home Gateway
Model:	E1320
Test Mode:	WiFi 2.4G_11n20_Ch1
Order No/Sample No:	168381079/A003294694-002
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



## Critical\_Freqs

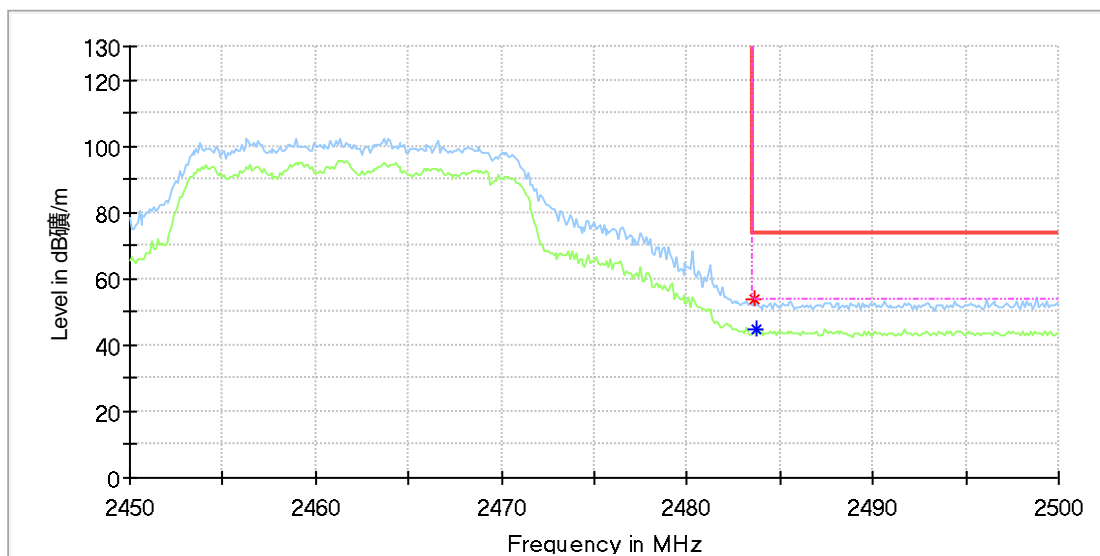
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.700000	---	50.27	54.00	3.73	100.0	V	256.0	7.0
2389.700000	59.90	---	74.00	14.10	100.0	V	256.0	7.0

## Final\_Result

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

## EUT Information

EUT Name:	Home Gateway
Model:	E1320
Test Mode:	WiFi 2.4G_11n20_Ch11
Order No/Sample No:	168381079/A003294694-002
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



## Critical\_Freqs

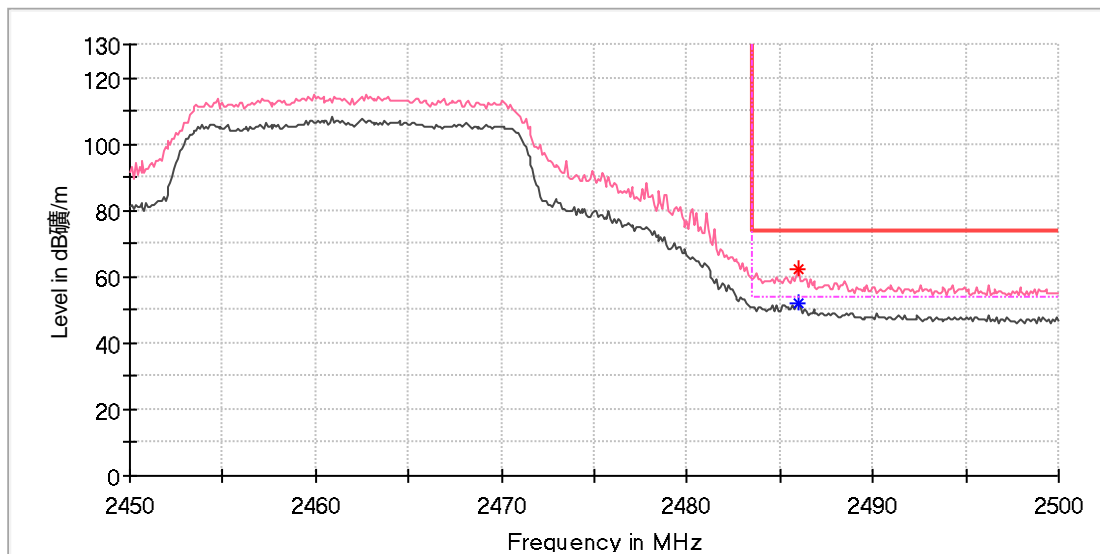
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.600000	53.77	---	74.00	20.23	100.0	H	3.0	7.4
2483.700000	---	44.81	54.00	9.19	100.0	H	296.0	7.4

## Final\_Result

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

## EUT Information

EUT Name:	Home Gateway
Model:	E1320
Test Mode:	WiFi 2.4G_11n20_Ch11
Order No/Sample No:	168381079/A003294694-002
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



## Critical\_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2486.000000	62.40	---	74.00	11.60	100.0	V	289.0	7.4
2486.000000	---	51.87	54.00	2.13	100.0	V	289.0	7.4

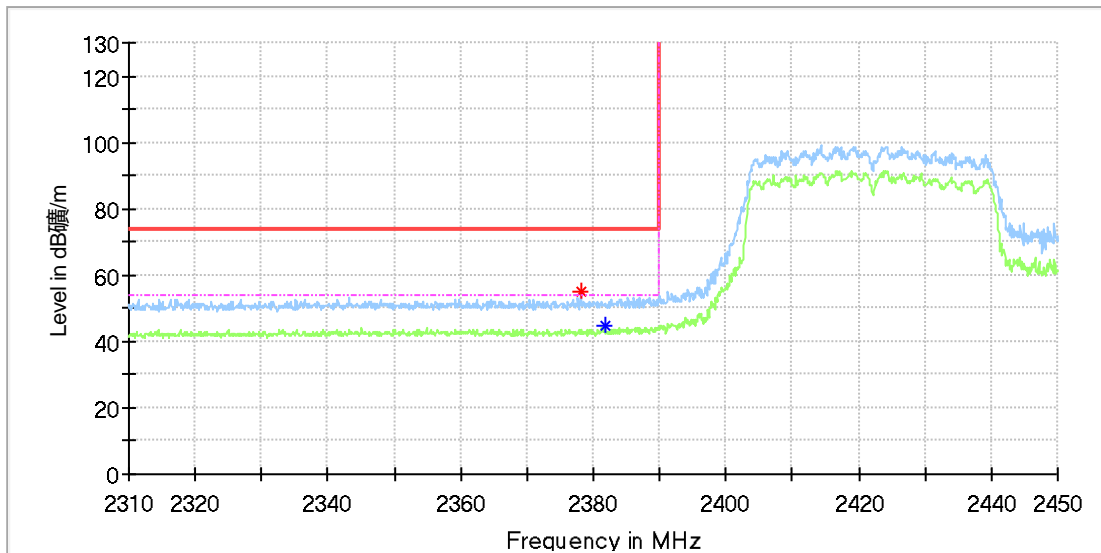
## Final\_Result

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

**802.11n (HT40):**

**EUT Information**

EUT Name: Home Gateway  
 Model: E1320  
 Test Mode: WiFi 2.4G\_11n40\_Ch3  
 Order No/Sample No: 168381079/A003294694-002  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



**Critical\_Freqs**

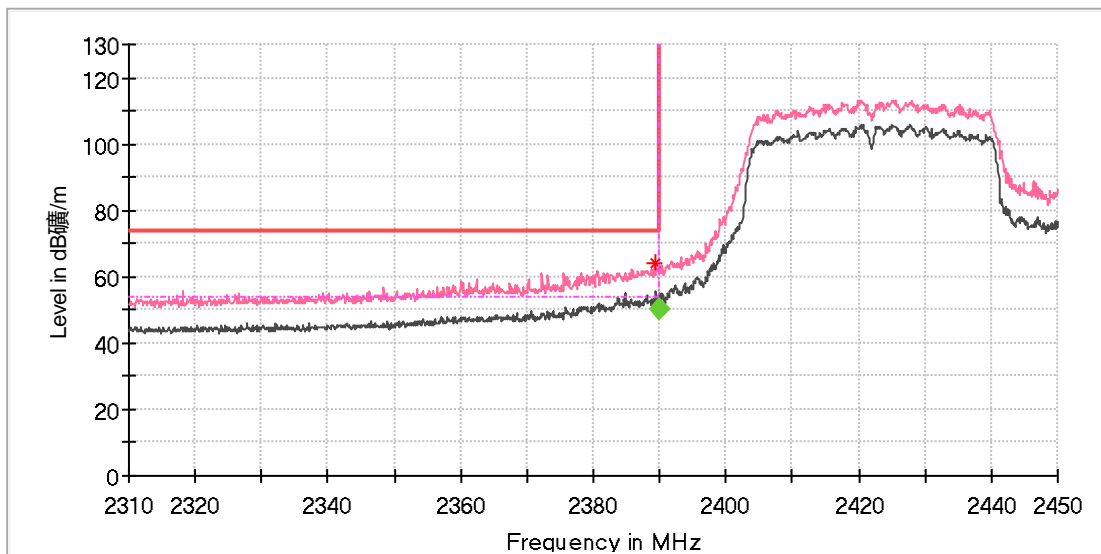
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2378.100000	54.79	---	74.00	19.21	100.0	H	8.0	6.9
2381.800000	---	44.57	54.00	9.43	100.0	H	215.0	7.0

**Final\_Result**

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

### EUT Information

EUT Name: Home Gateway  
 Model: E1320  
 Test Mode: WiFi 2.4G\_11n40\_Ch3  
 Order No/Sample No: 168381079/A003294694-002  
 Test Voltage:: 120V/60Hz  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical\_Freqs

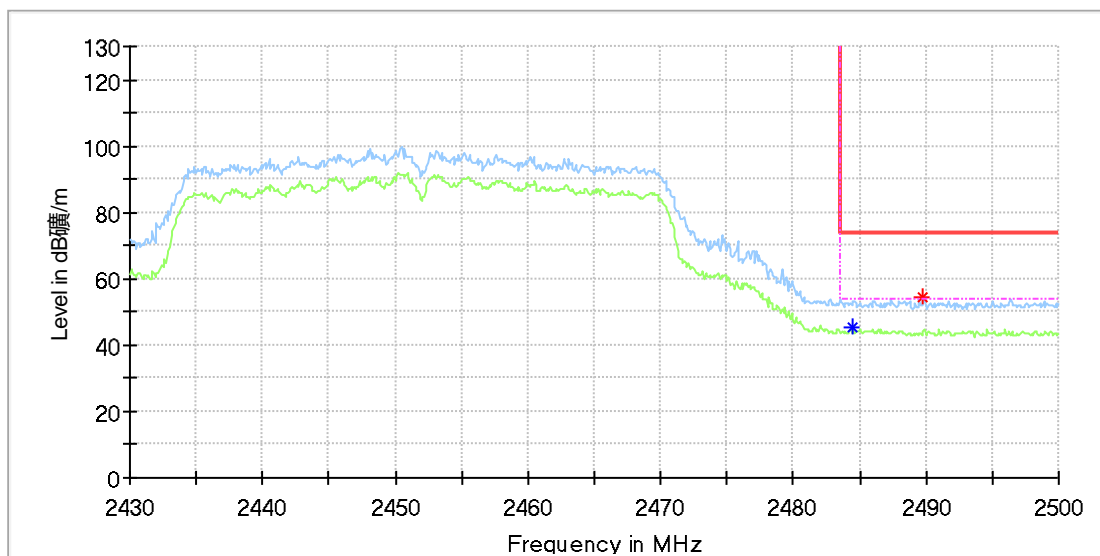
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.300000	64.30	---	74.00	9.70	100.0	V	247.0	7.0

### Final\_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.969250	50.34	54.00	3.66	105.0	V	52.0	7.0

## EUT Information

EUT Name:	Home Gateway
Model:	E1320
Test Mode:	WiFi 2.4G_11n40_Ch9
Order No/Sample No:	168381079/A003294694-002
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



## Critical\_Freqs

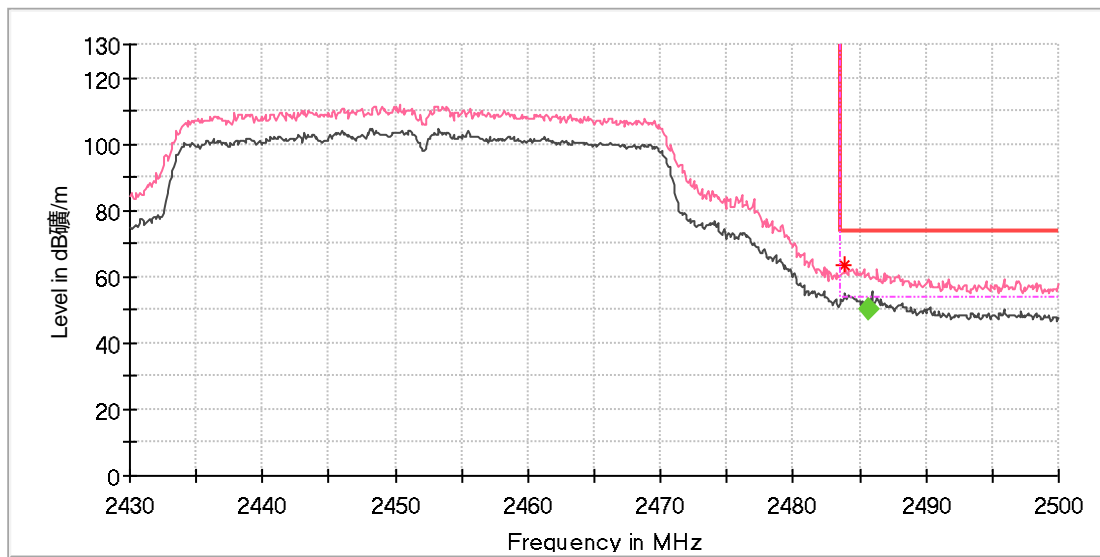
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.500000	---	45.10	54.00	8.90	100.0	H	60.0	7.4
2489.800000	54.42	---	74.00	19.58	100.0	H	138.0	7.4

## Final\_Result

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

## EUT Information

EUT Name:	Home Gateway
Model:	E1320
Test Mode:	WiFi 2.4G_11n40_Ch9
Order No/Sample No:	168381079/A003294694-002
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
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	63.35	---	74.00	10.65	100.0	V	256.0	7.4

## Final Result

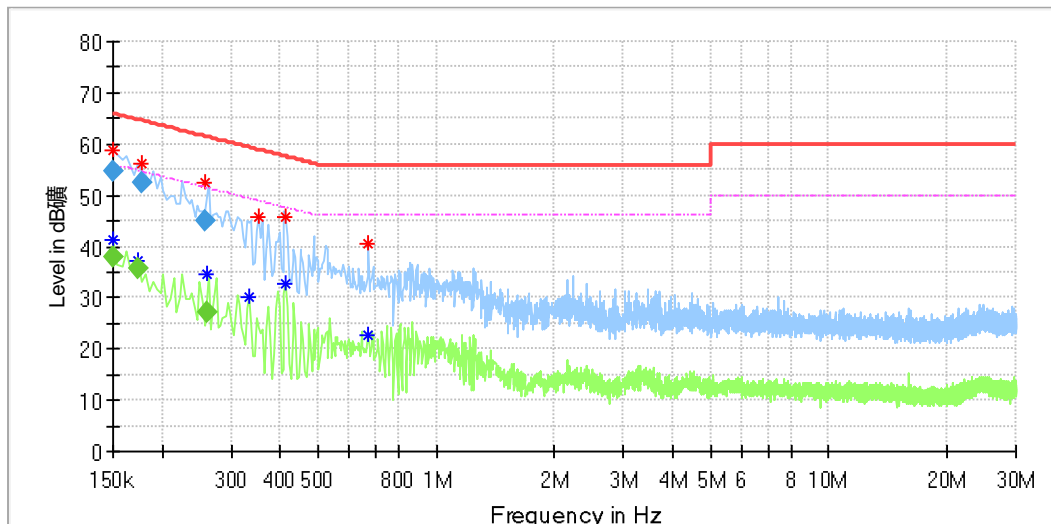
Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2485.723300	50.08	54.00	3.92	105.0	V	193.0	7.4



## Appendix B.7: Test Results of Conducted Emission

### EUT Information

EUT Name:	Home Gateway
Order No:	168381079(P00756843)
Model:	E1320
Test mode:	Wi-Fi Link
Test Voltage:	AC 120V/60Hz
Test By:/Review By:	Steve Lan/Gary Chen
Test Standard:	FCC 15B
Tem./Hum./Pressure:	23.7°C/50.4%/101kPa
Remark:	SR2



### Critical Freqs

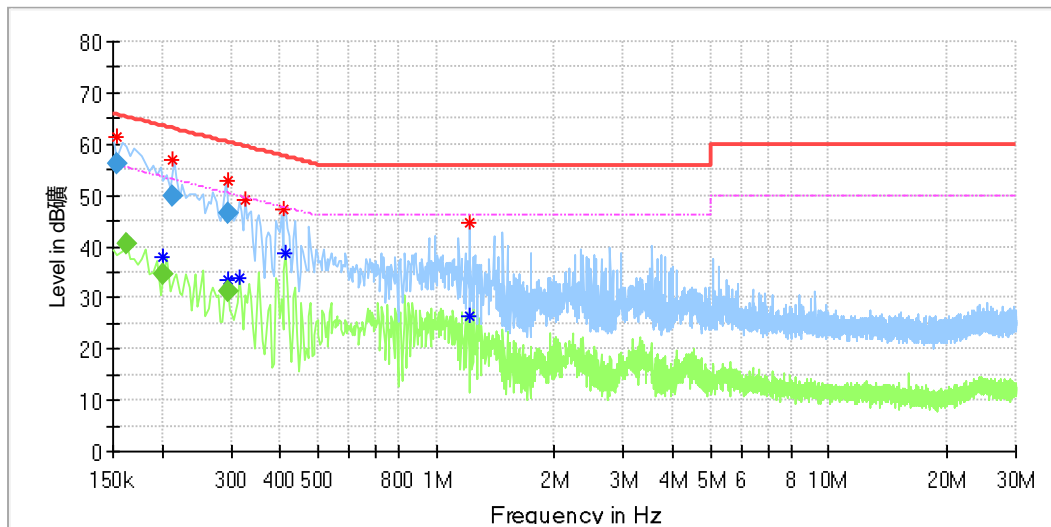
Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.150000	---	41.32	56.00	14.68	L1	9.9
0.150000	58.66	---	66.00	7.34	L1	9.9
0.173500	---	37.36	54.77	17.41	L1	9.9
0.177500	56.28	---	64.77	8.49	L1	9.9
0.257500	52.32	---	61.37	9.05	L1	9.9
0.261500	---	34.71	51.37	16.66	L1	9.9
0.334000	---	30.10	49.35	19.26	L1	9.9
0.354000	45.78	---	58.87	13.09	L1	9.9
0.414000	---	32.57	47.57	15.00	L1	9.9
0.414000	45.81	---	57.57	11.76	L1	9.9
0.670000	---	22.58	46.00	23.42	L1	10.0
0.670000	40.59	---	56.00	15.41	L1	10.0

### Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.150000	---	38.11	56.00	17.89	3000.0	9.000	L1	9.9
0.150000	54.57	---	66.00	11.43	3000.0	9.000	L1	9.9
0.173500	---	35.72	54.79	19.07	3000.0	9.000	L1	9.9
0.177500	52.64	---	64.60	11.96	3000.0	9.000	L1	9.9
0.257500	45.07	---	61.51	16.44	3000.0	9.000	L1	9.9
0.261500	---	27.00	51.38	24.39	3000.0	9.000	L1	9.9

## EUT Information

EUT Name:	Home Gateway
Order No:	168381079(P00756843)
Model:	E1320
Test mode:	Wi-Fi Link
Test Voltage:	AC 120V/60Hz
Test By:/Review By:	Steve Lan/Gary Chen
Test Standard:	FCC 15B
Tem./Hum./Pressure:	23.7°C/50.4%/101kPa
Remark:	SR2



## Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.154000	61.21	---	66.00	4.79	N	9.8
0.161500	---	40.75	55.36	14.61	N	9.8
0.201500	---	37.98	53.37	15.39	N	9.8
0.213500	56.90	---	63.05	6.15	N	9.8
0.293500	---	33.59	50.52	16.93	N	9.8
0.293500	52.92	---	60.52	7.61	N	9.8
0.314000	---	33.98	49.86	15.89	N	9.8
0.326000	49.07	---	59.55	10.48	N	9.8
0.410000	47.29	---	57.65	10.36	N	9.8
0.414000	---	38.70	47.57	8.86	N	9.8
1.218000	44.81	---	56.00	11.19	N	9.8
1.222000	---	26.43	46.00	19.57	N	9.8

## Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.154000	56.03	---	65.78	9.75	3000.0	9.000	N	9.8
0.161500	---	40.66	55.39	14.72	3000.0	9.000	N	9.8
0.201500	---	34.62	53.55	18.93	3000.0	9.000	N	9.8
0.213500	49.88	---	63.07	13.19	3000.0	9.000	N	9.8
0.293500	---	31.23	50.43	19.20	3000.0	9.000	N	9.8
0.293500	46.36	---	60.43	14.07	3000.0	9.000	N	9.8