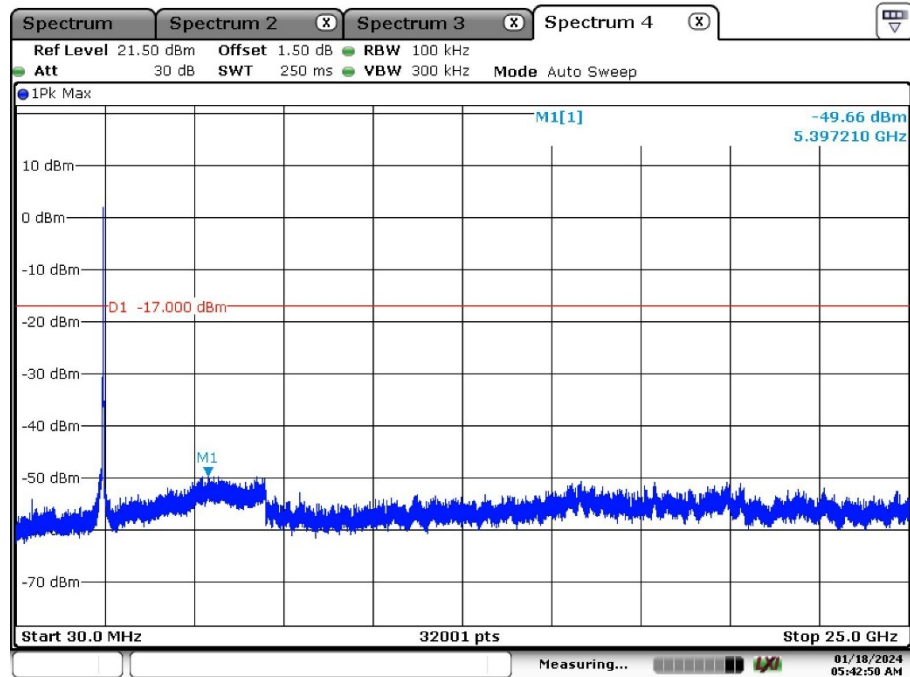
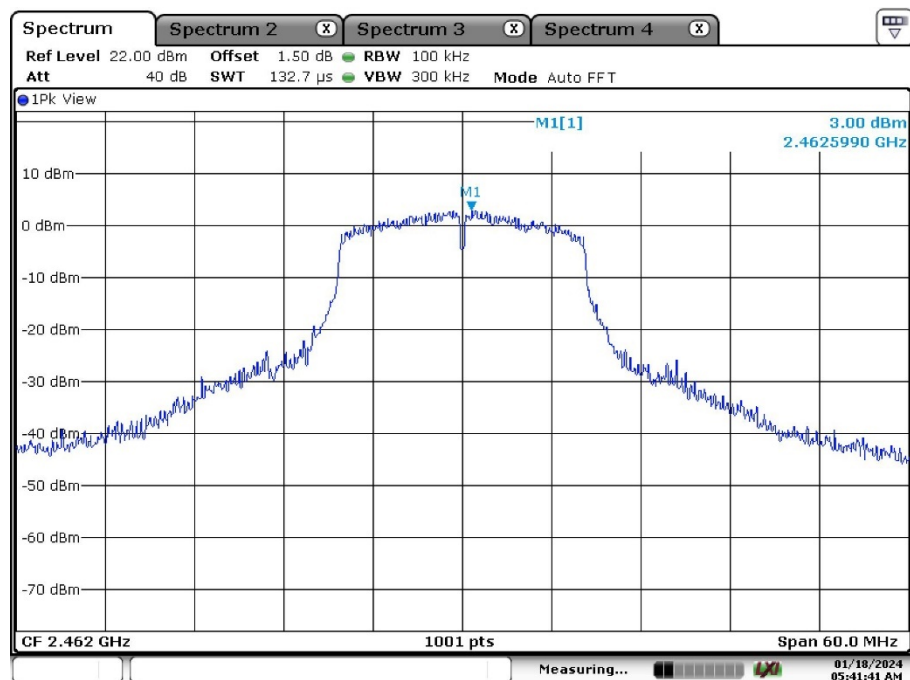


High Channel:



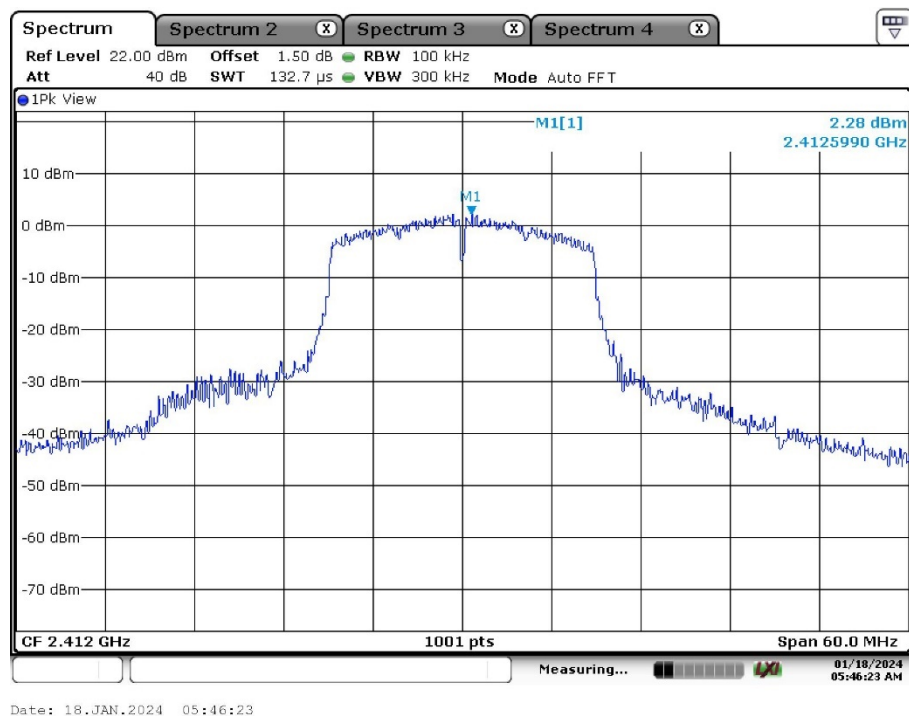
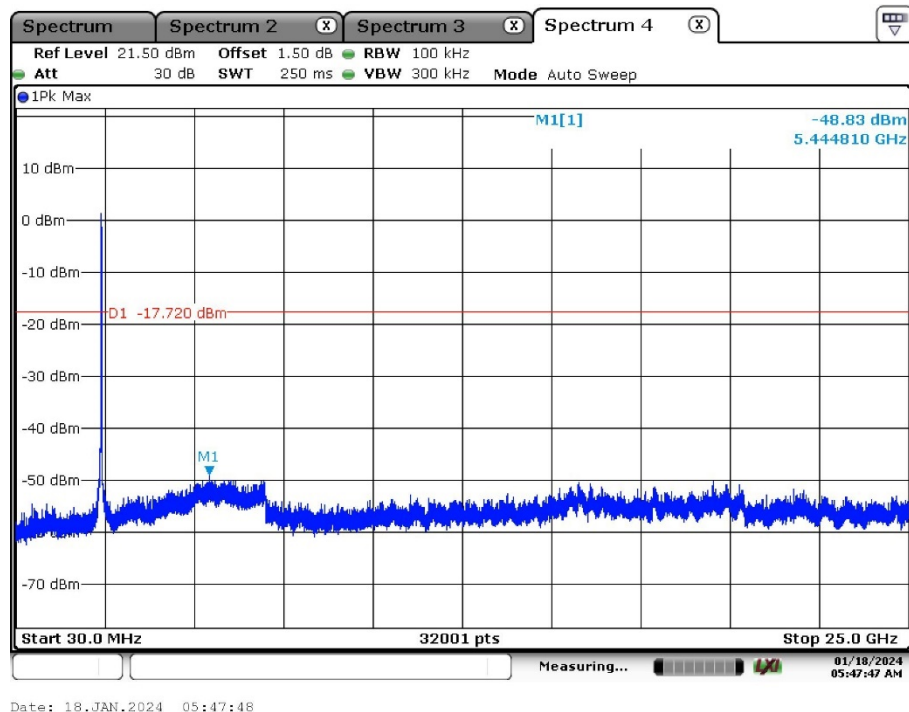
Date: 18.JAN.2024 05:42:50



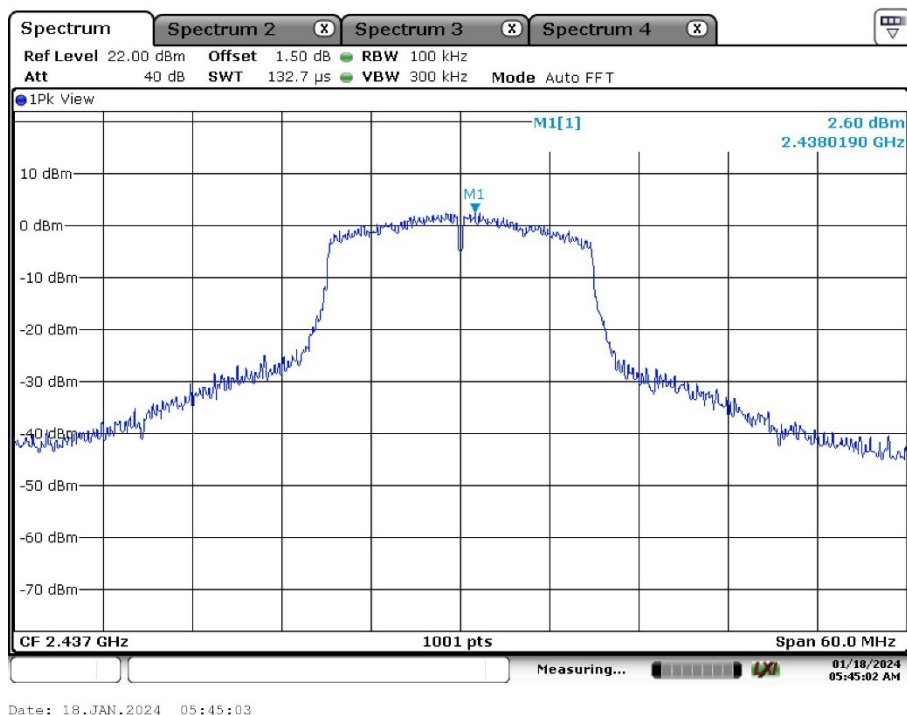
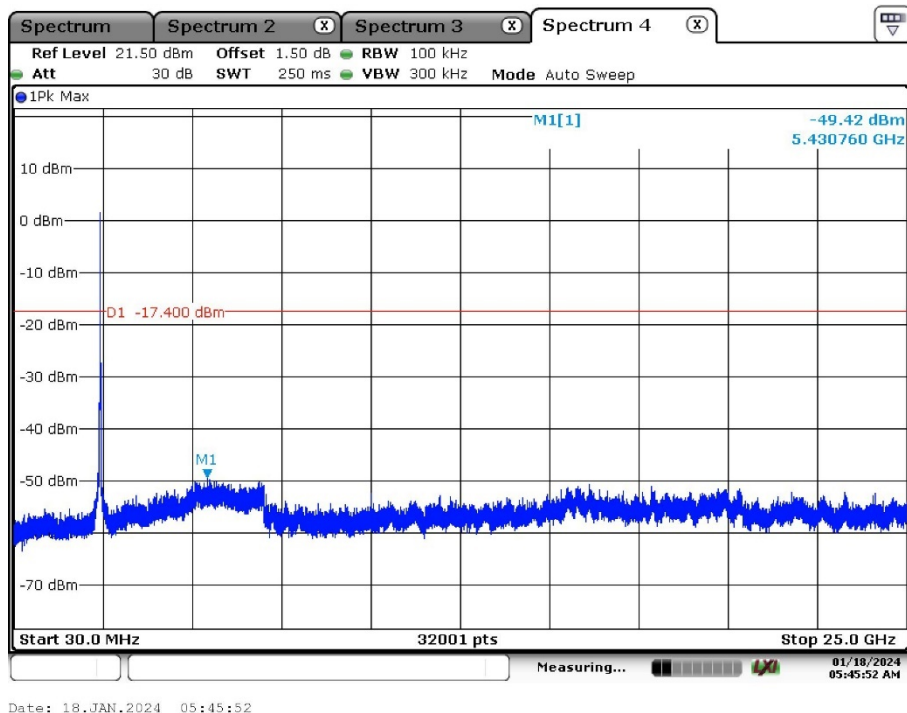
Date: 18.JAN.2024 05:41:41

Wi-Fi 802.11 n(HT20) mode, Conducted Spurious Emission

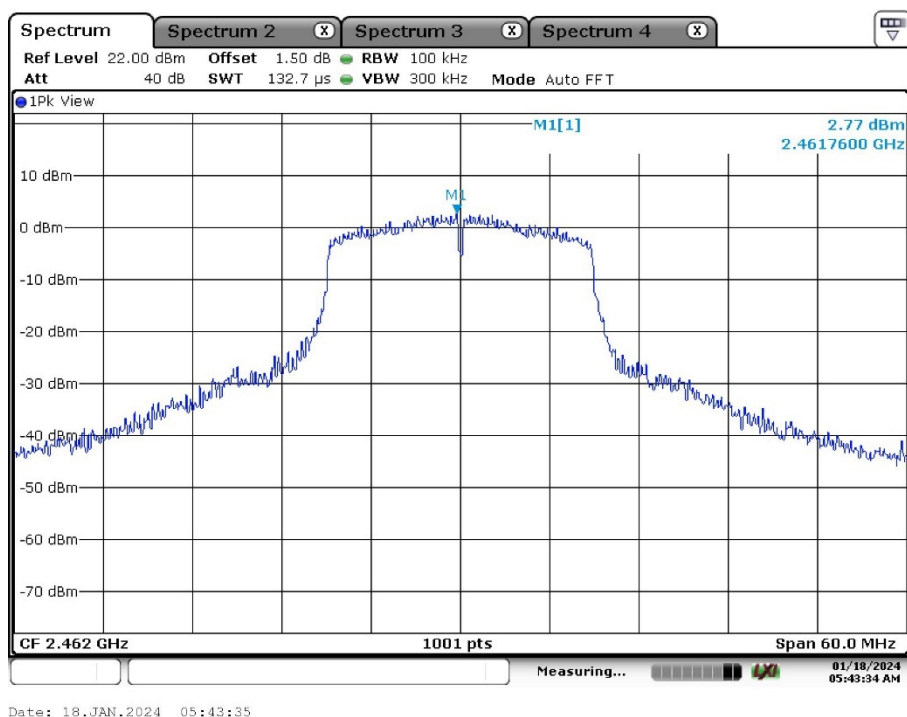
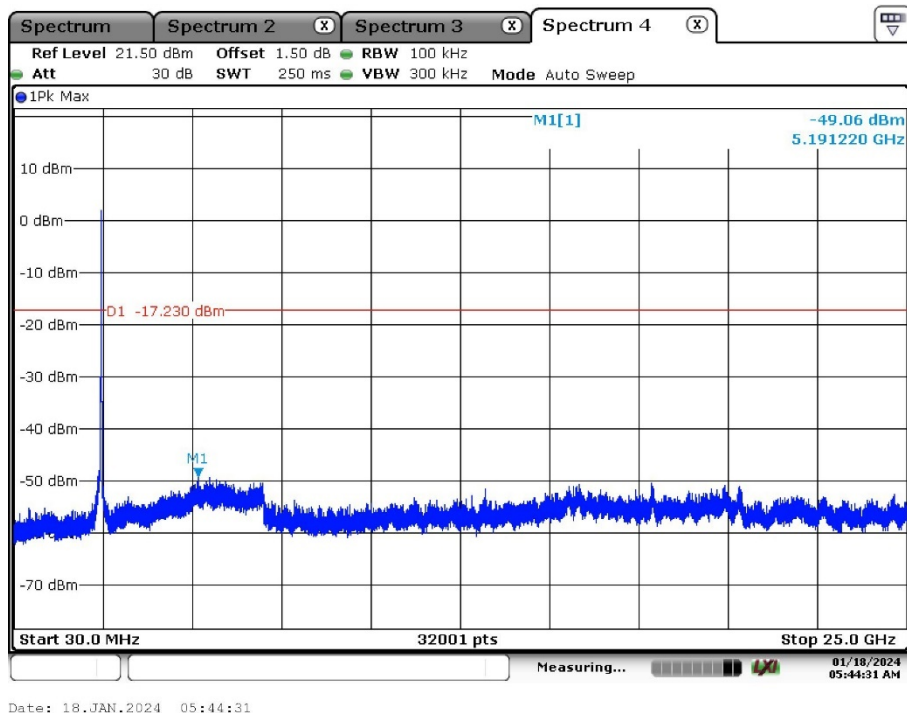
Low Channel:



Middle Channel:

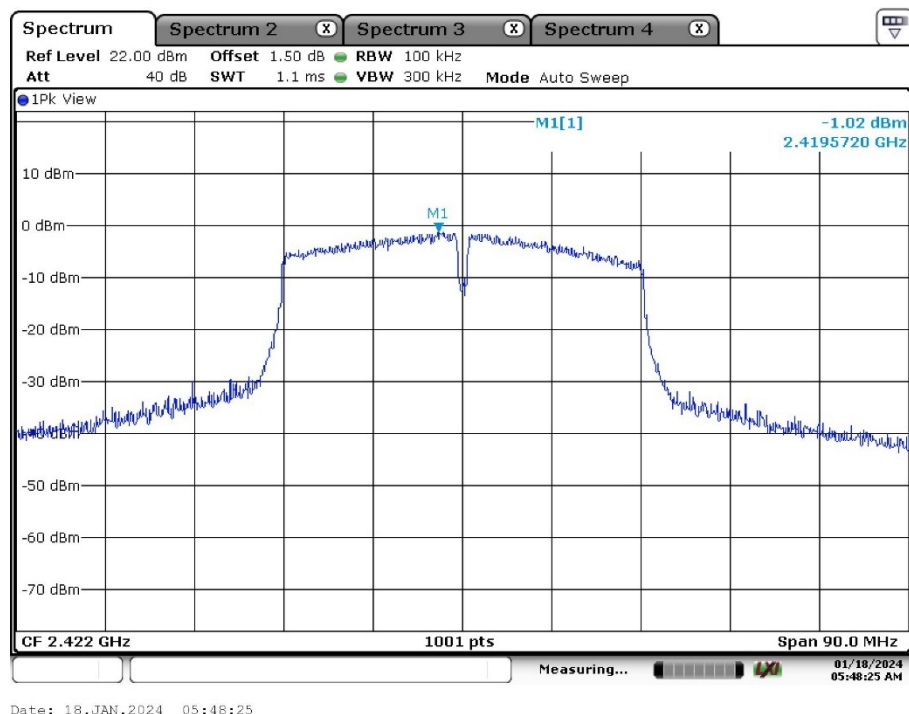
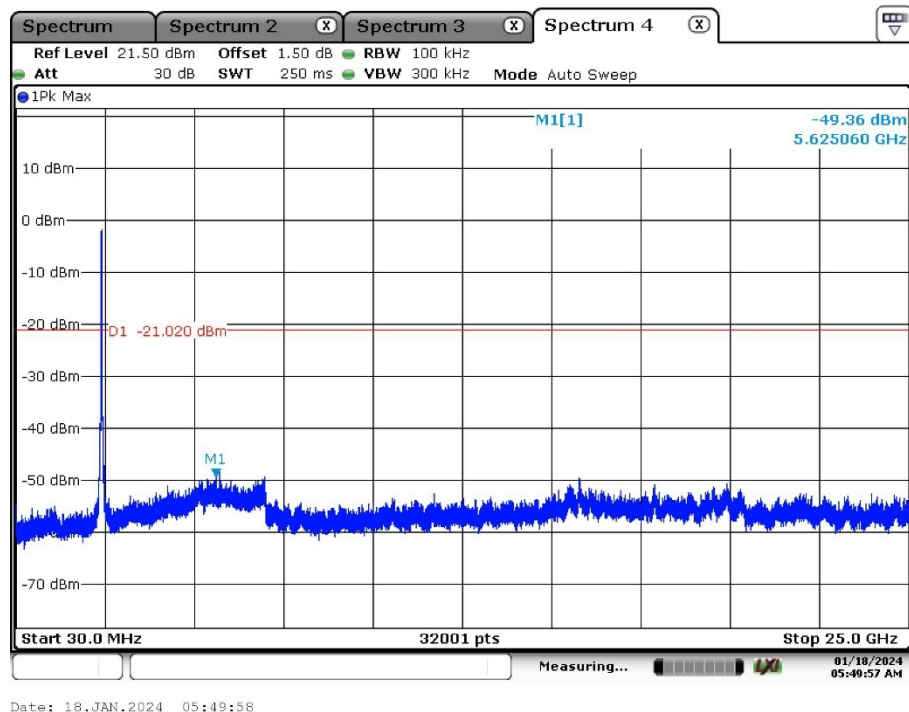


High Channel:

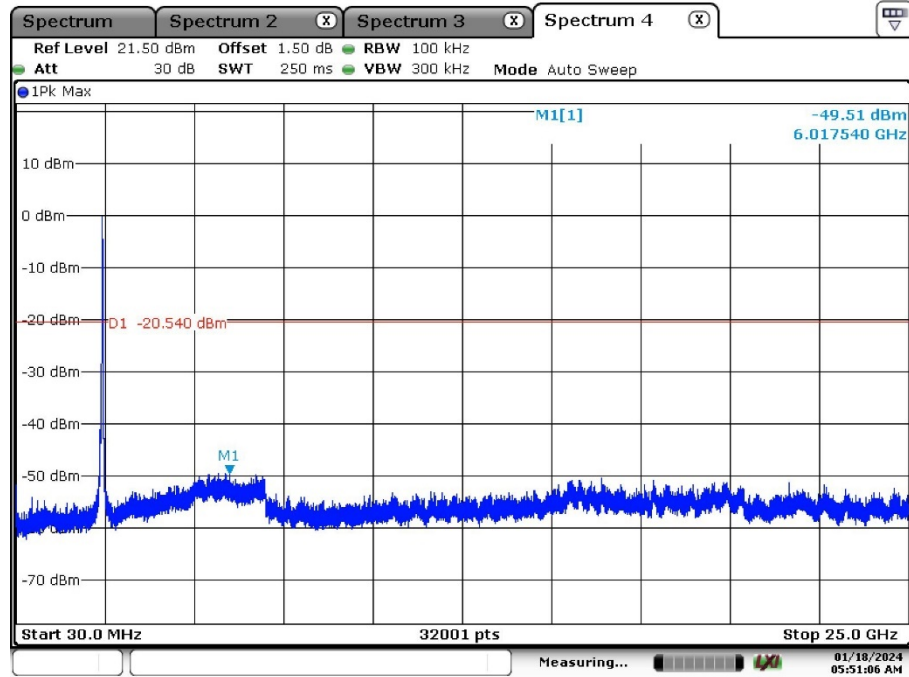


Wi-Fi 802.11 n(HT40) mode, Conducted Spurious Emission

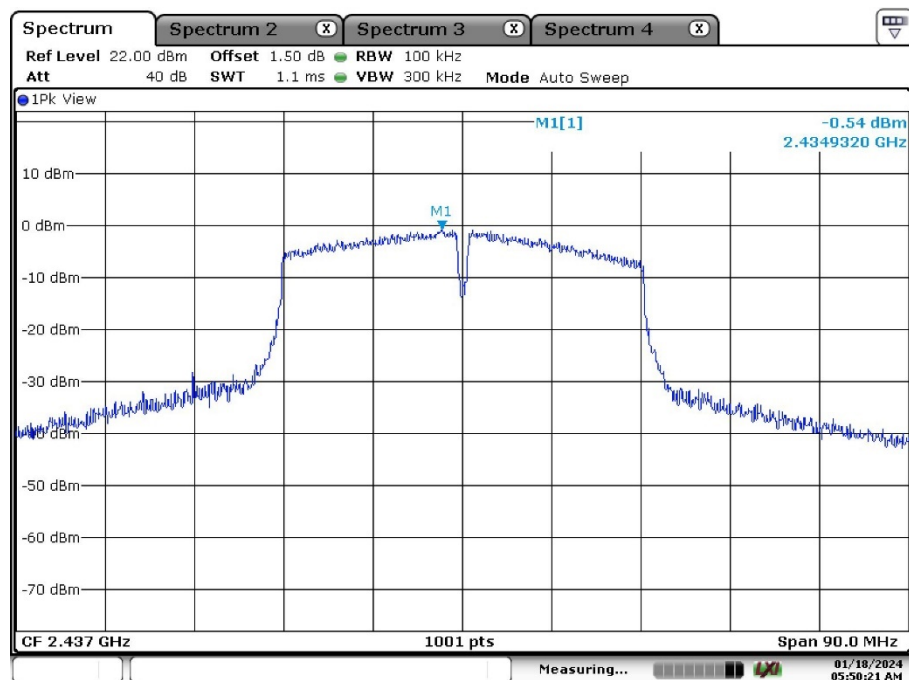
Low Channel:



Middle Channel:

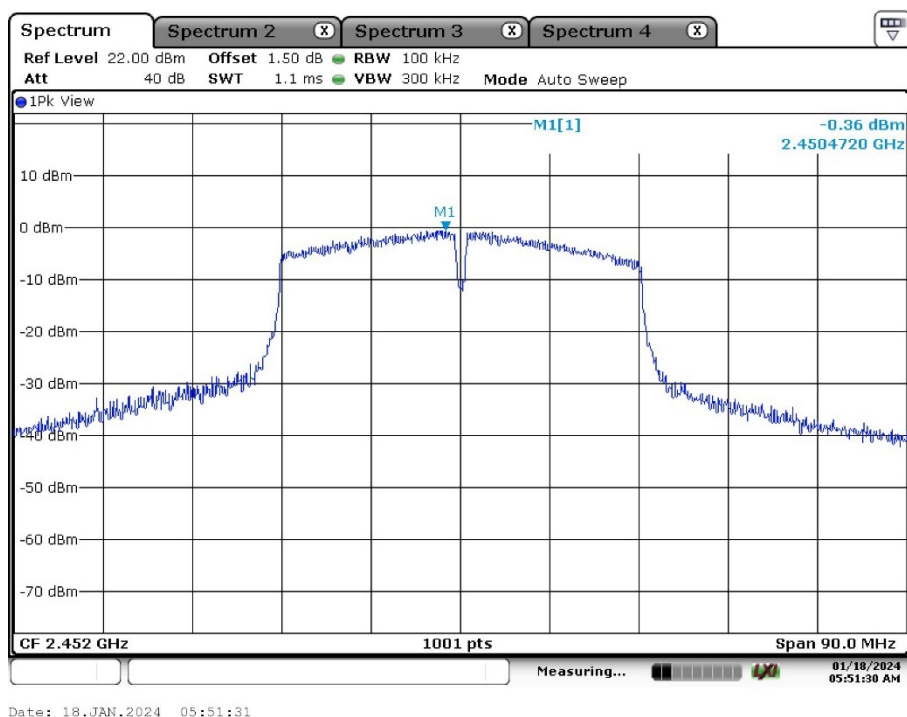
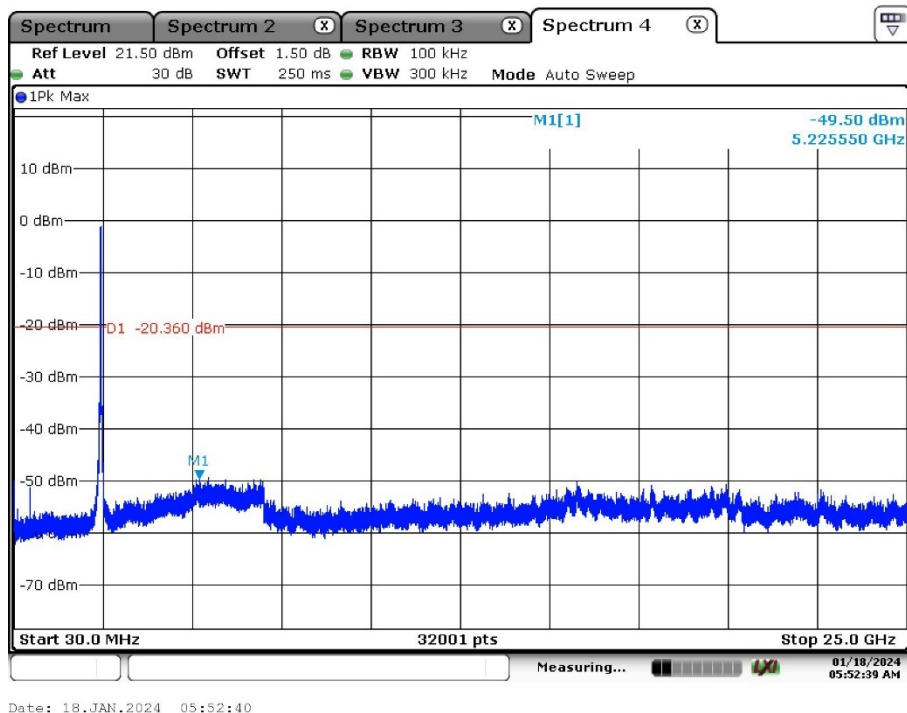


Date: 18.JAN.2024 05:51:07



Date: 18.JAN.2024 05:50:21

High Channel:



Appendix B.5: Test Results of Radiated Spurious Emissions

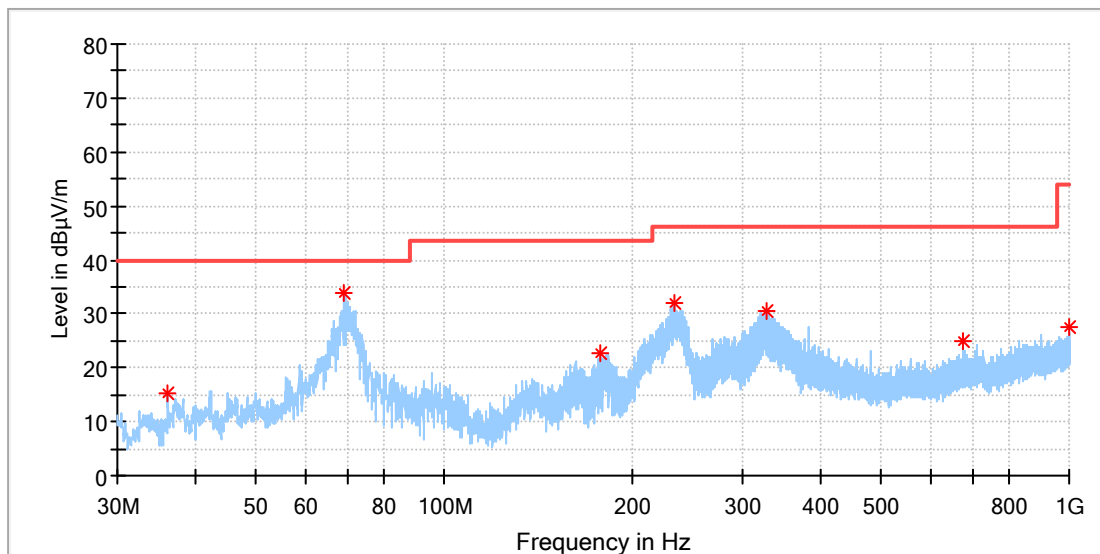
Note:

- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) 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.

30MHz - 1GHz (Worst case)

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

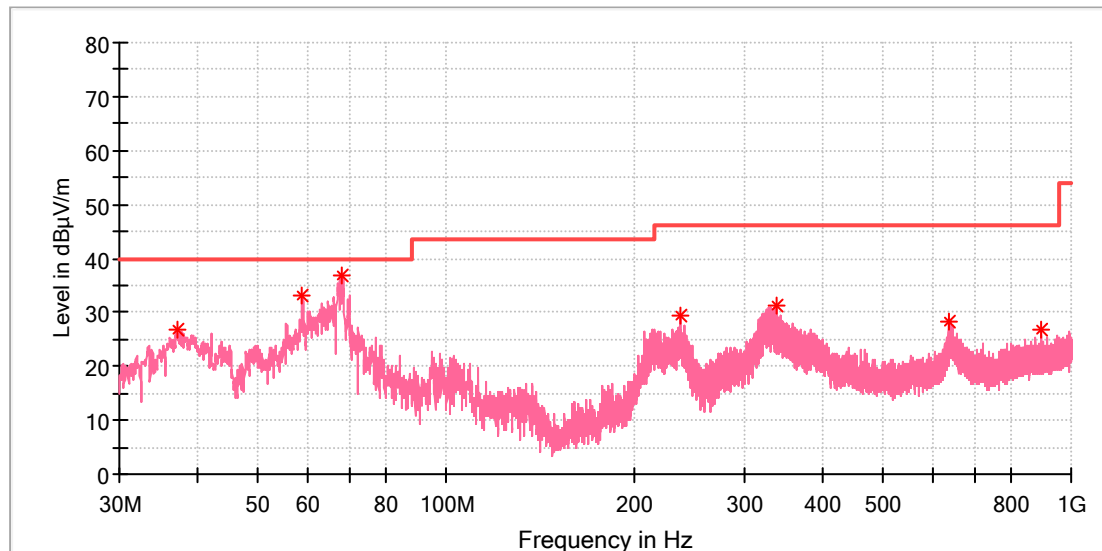
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
36.118462	15.34	40.00	24.66	100.0	H	232.0	-21.8
69.285000	33.81	40.00	6.19	100.0	H	232.0	-21.9
178.223462	22.54	43.50	20.96	100.0	H	7.0	-21.0
233.364231	32.04	46.00	13.96	100.0	H	275.0	-18.3
329.133077	30.44	46.00	15.56	100.0	H	222.0	-15.7
677.661539	24.89	46.00	21.11	100.0	H	125.0	-8.8
998.283846	27.56	54.00	26.44	100.0	H	7.0	-4.1

Final Result

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

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.088462	26.63	40.00	13.37	100.0	V	0.0	-21.4
58.876154	33.23	40.00	6.77	100.0	V	245.0	-19.2
67.867308	36.89	40.00	3.11	100.0	V	276.0	-21.4
237.318846	29.49	46.00	16.51	100.0	V	0.0	-18.1
338.460000	31.29	46.00	14.71	100.0	V	0.0	-15.4
639.756923	28.47	46.00	17.53	100.0	V	79.0	-9.6
894.643077	26.82	46.00	19.18	100.0	V	94.0	-5.4

Final Result

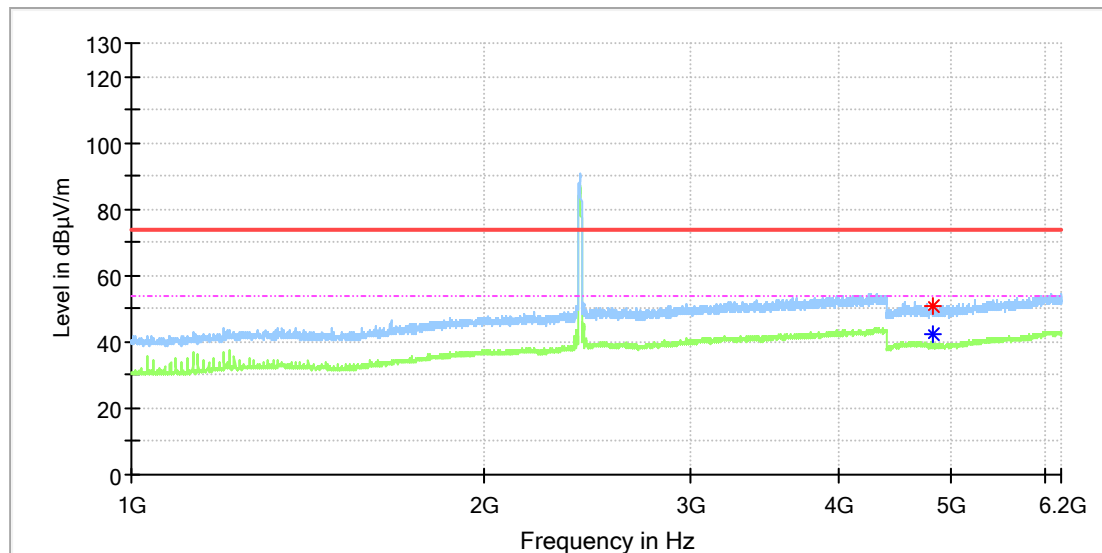
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

1GHz - 18GHz

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

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

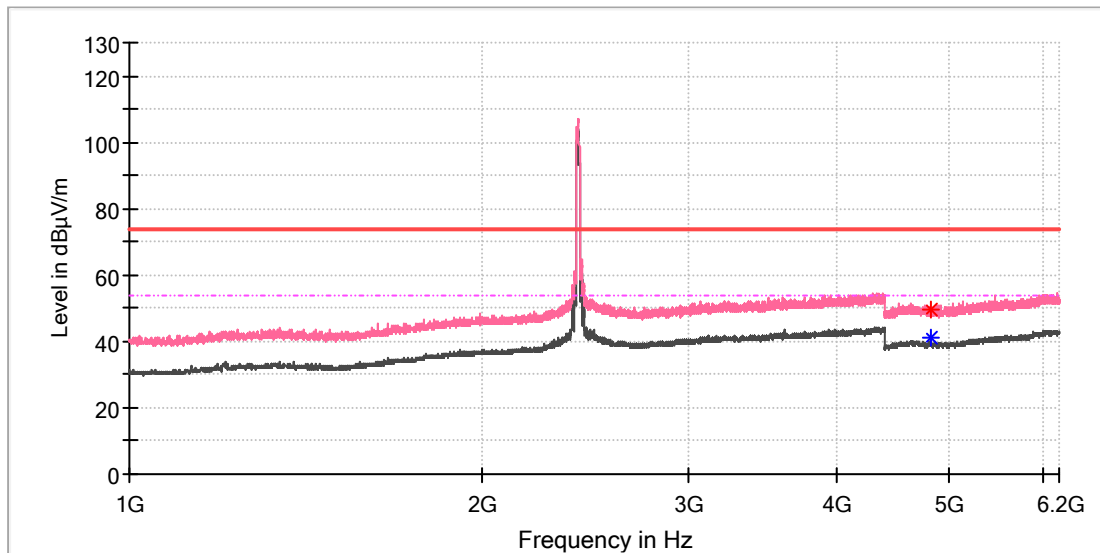
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4818.000000	50.56	---	74.00	23.44	150.0	H	0.0	11.8
4824.000000	---	42.16	54.00	11.84	150.0	H	306.0	11.8

Final_Result

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

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

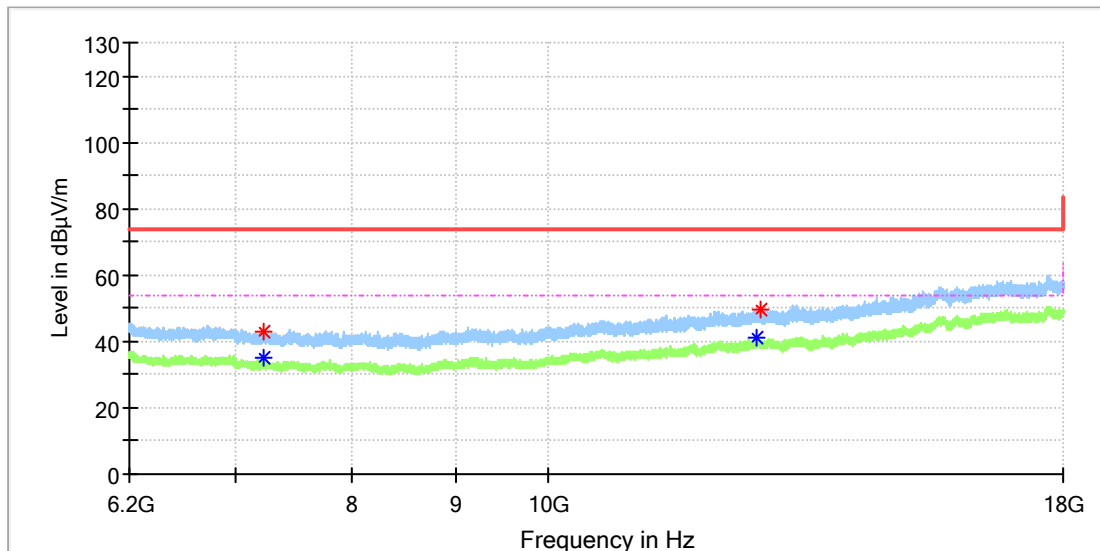
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4824.000000	---	41.28	54.00	12.72	150.0	V	273.0	11.8
4825.000000	49.80	---	74.00	24.20	150.0	V	171.0	11.8

Final Result

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

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

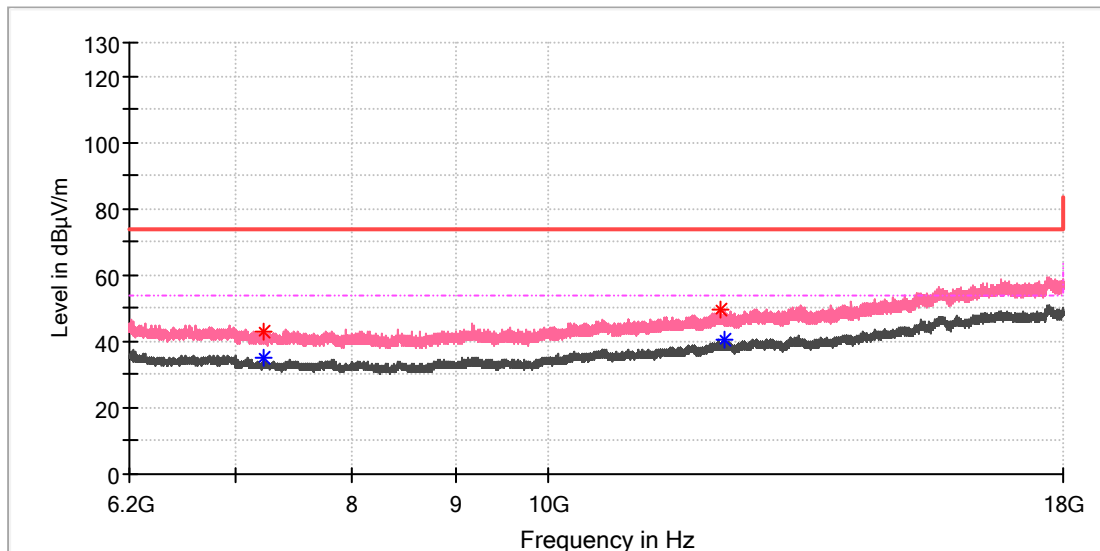
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7221.191667	---	34.92	54.00	19.08	150.0	H	34.0	8.7
7230.533333	42.75	---	74.00	31.25	150.0	H	58.0	8.6
12697.375000	---	40.86	54.00	13.14	150.0	H	58.0	15.1
12734.741667	49.53	---	74.00	24.47	150.0	H	1.0	15.2

Final Result

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

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

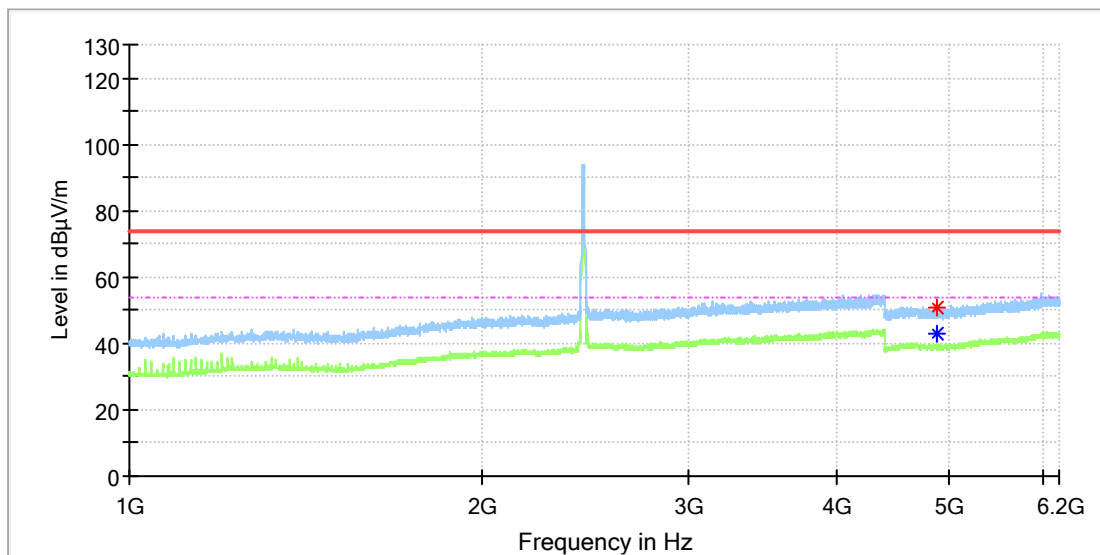
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7223.650000	---	34.87	54.00	19.13	150.0	V	84.0	8.7
7227.583333	43.15	---	74.00	30.85	150.0	V	311.0	8.7
12167.850000	49.55	---	74.00	24.45	150.0	V	0.0	14.5
12218.491667	---	40.39	54.00	13.61	150.0	V	248.0	14.7

Final Result

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

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

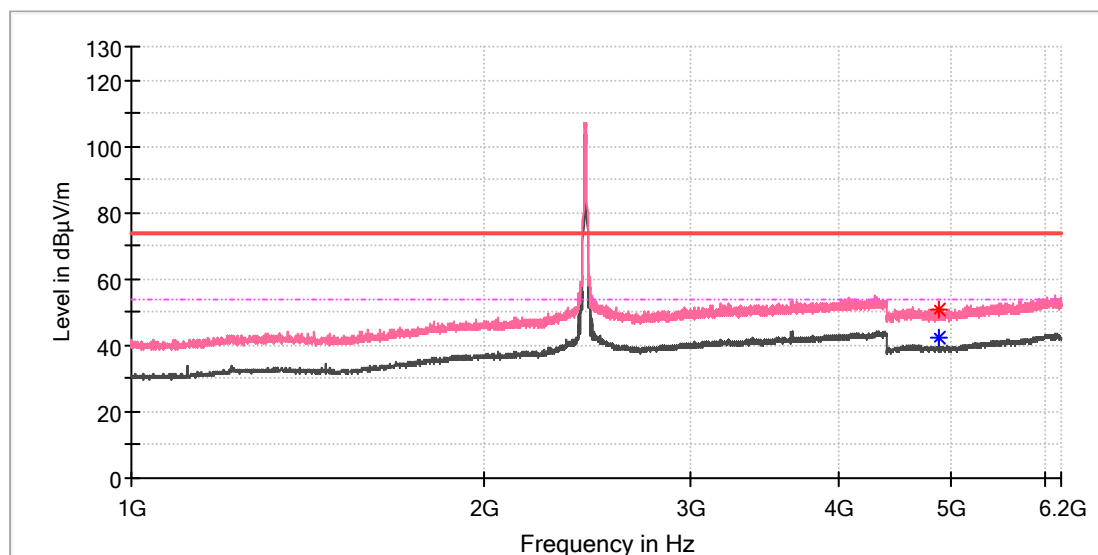
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4874.000000	---	42.94	54.00	11.06	150.0	H	305.0	11.8
4880.500000	50.49	---	74.00	23.51	150.0	H	192.0	11.8

Final Result

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

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

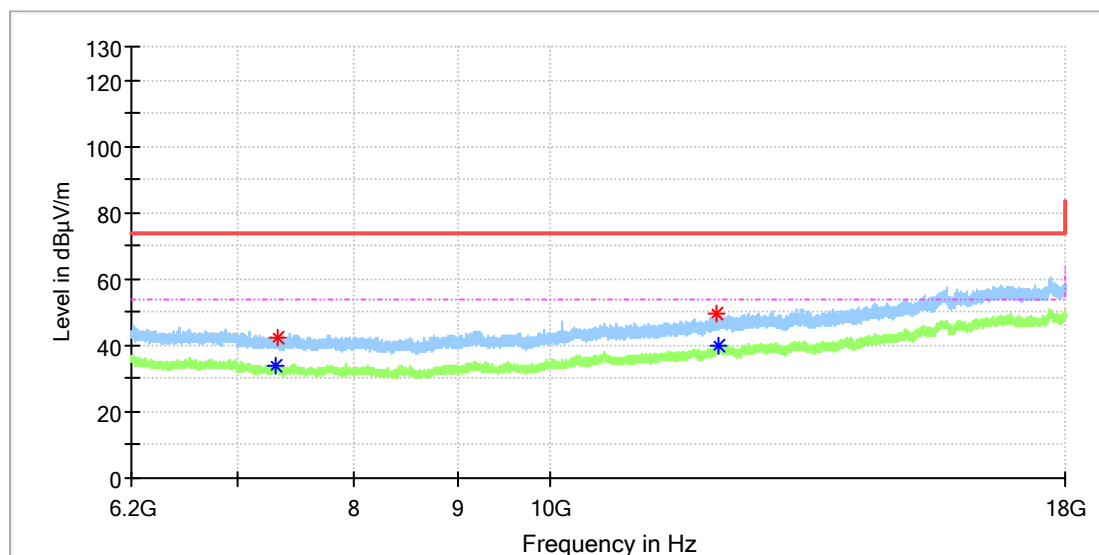
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4874.000000	50.51	---	74.00	23.49	150.0	V	212.0	11.8
4874.000000	---	42.18	54.00	11.82	150.0	V	212.0	11.8

Final Result

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

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

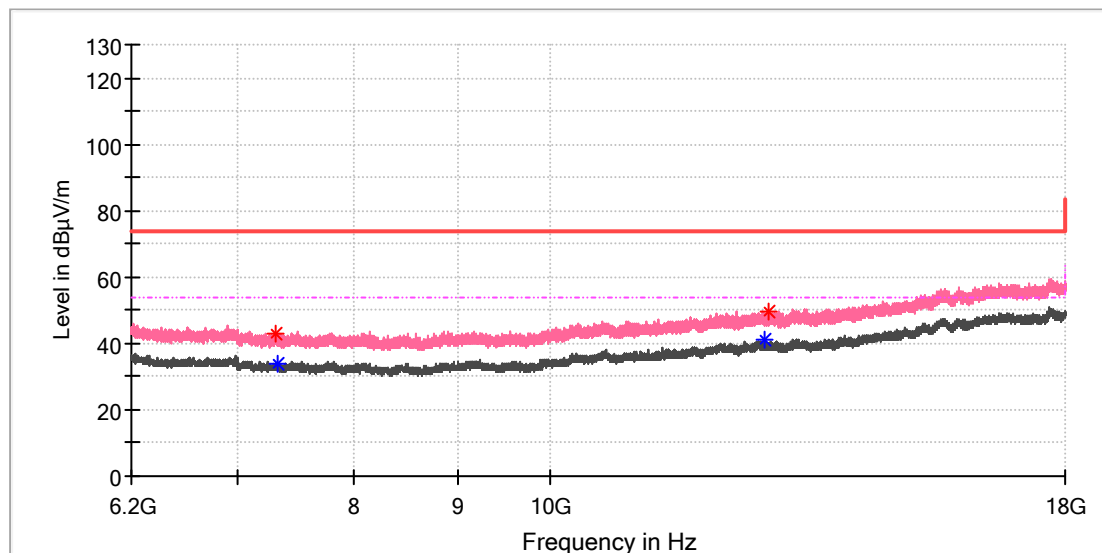
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7312.641667	---	33.86	54.00	20.14	150.0	H	320.0	8.2
7322.475000	42.32	---	74.00	31.68	150.0	H	0.0	8.2
12084.266667	49.34	---	74.00	24.66	150.0	H	293.0	14.1
12128.516667	---	40.05	54.00	13.95	150.0	H	344.0	14.3

Final Result

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

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

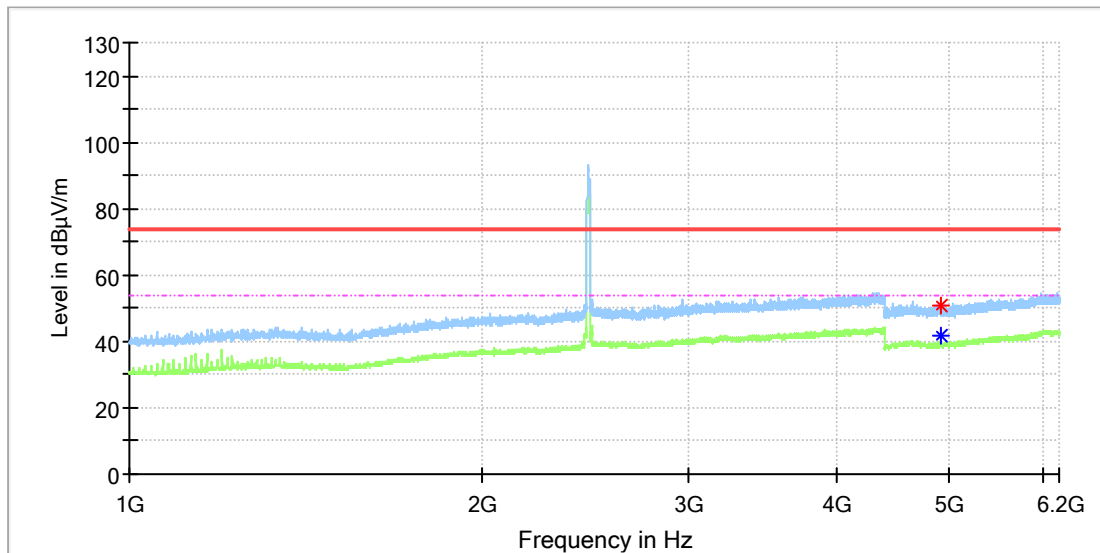
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7309.200000	42.95	---	74.00	31.05	150.0	V	76.0	8.2
7331.325000	---	33.80	54.00	20.20	150.0	V	162.0	8.1
12786.366667	---	40.95	54.00	13.05	150.0	V	162.0	15.3
12834.550000	49.62	---	74.00	24.38	150.0	V	0.0	15.3

Final Result

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

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

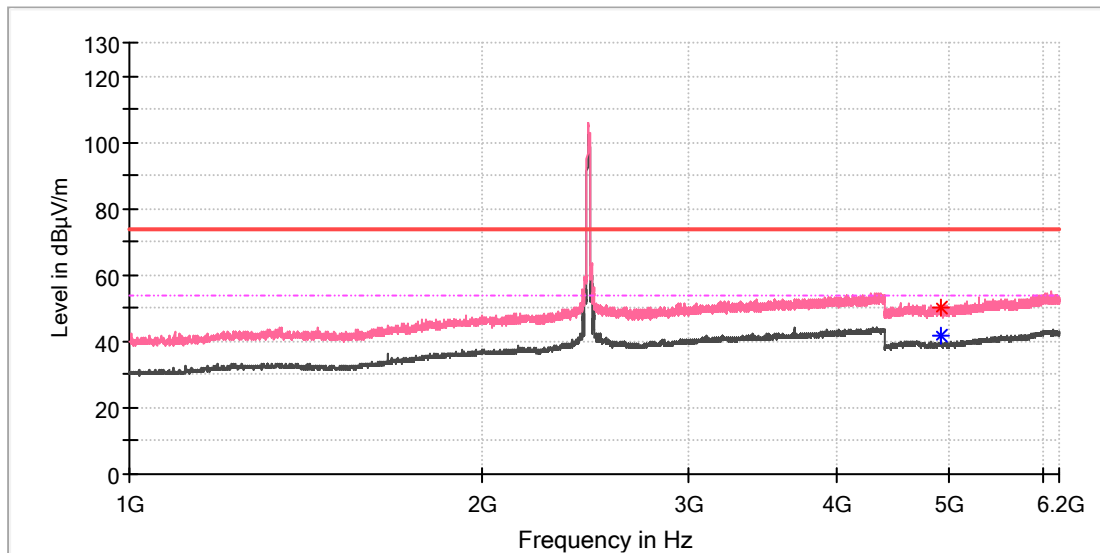
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4909.000000	50.63	---	74.00	23.37	150.0	H	159.0	11.8
4924.000000	---	41.84	54.00	12.16	150.0	H	298.0	11.8

Final Result

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

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

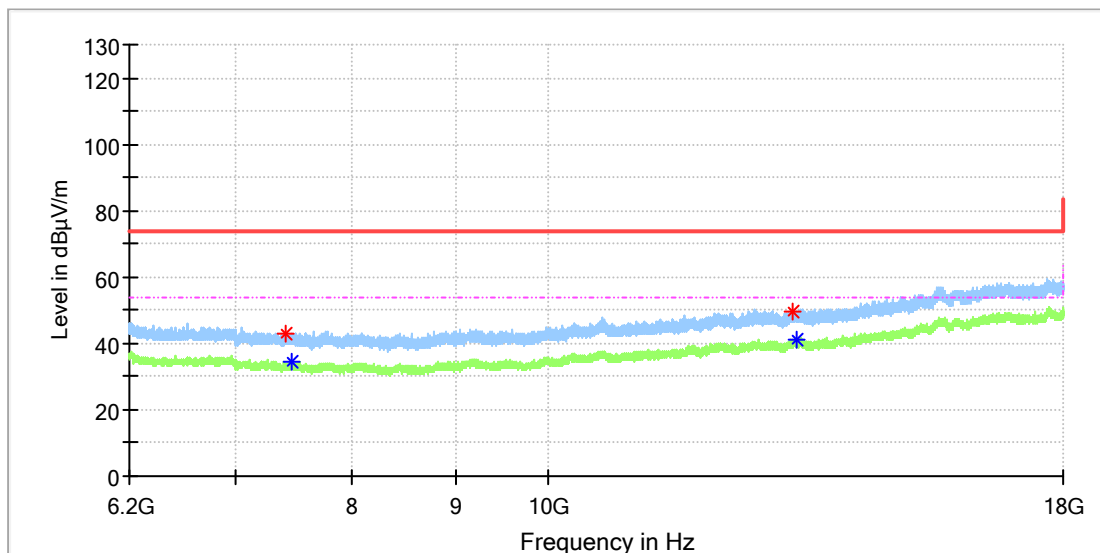
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4923.500000	50.44	---	74.00	23.56	150.0	V	218.0	11.8
4924.000000	---	41.67	54.00	12.33	150.0	V	218.0	11.8

Final Result

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

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

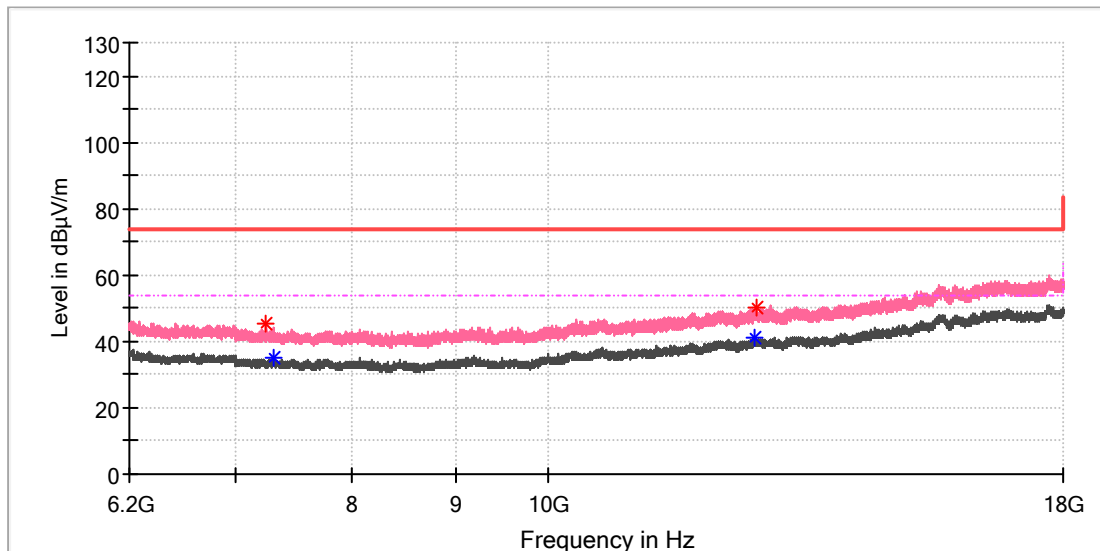
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7416.875000	43.03	---	74.00	30.97	150.0	H	334.0	8.3
7464.075000	---	34.25	54.00	19.75	150.0	H	356.0	8.6
13212.641667	49.81	---	74.00	24.19	150.0	H	95.0	15.5
13279.508333	---	41.32	54.00	12.68	150.0	H	356.0	15.5

Final Result

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

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

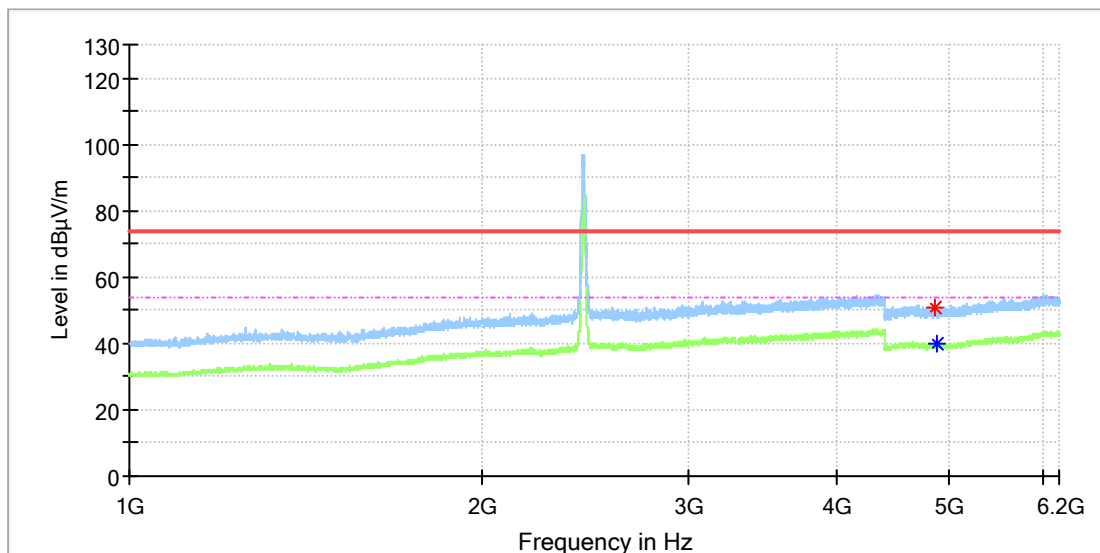
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7251.183333	45.26	---	74.00	28.74	150.0	V	169.0	8.5
7303.300000	---	35.17	54.00	18.83	150.0	V	145.0	8.3
12669.350000	---	40.98	54.00	13.02	150.0	V	62.0	15.1
12694.425000	50.05	---	74.00	23.95	150.0	V	145.0	15.1

Final Result

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

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11g_Ch6
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

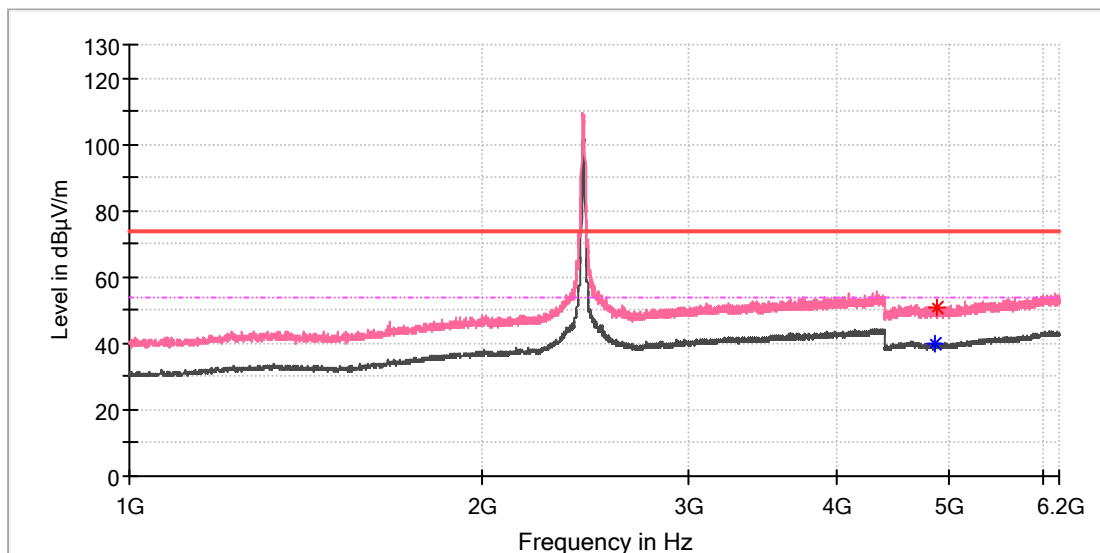
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4866.500000	50.99	---	74.00	23.01	150.0	H	34.0	11.8
4870.000000	---	40.12	54.00	13.88	150.0	H	201.0	11.8

Final Result

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

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11g_Ch6
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

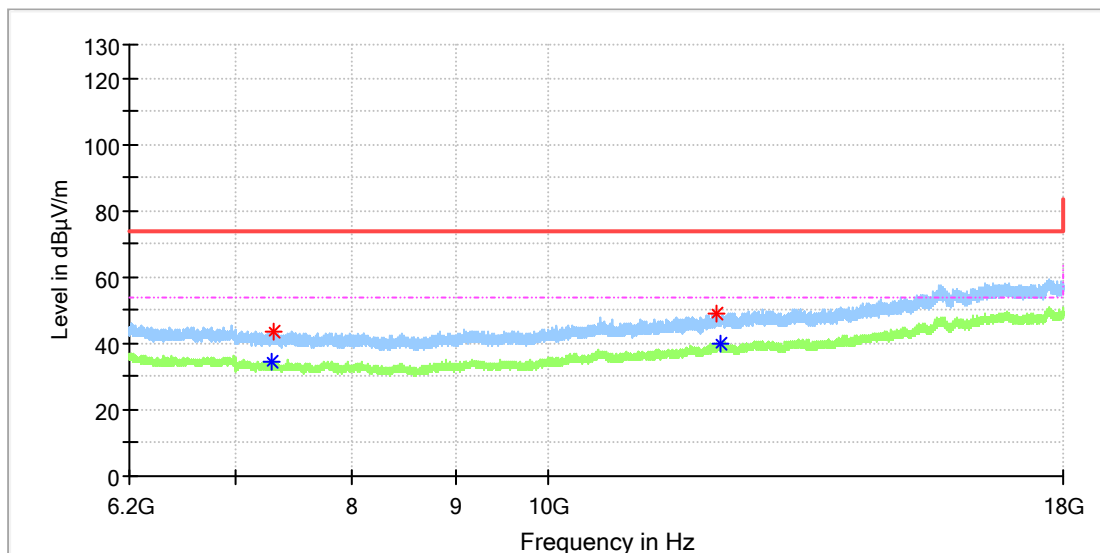
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4856.500000	---	39.79	54.00	14.21	150.0	V	230.0	11.8
4876.000000	51.01	---	74.00	22.99	150.0	V	218.0	11.8

Final Result

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

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11g_Ch6
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

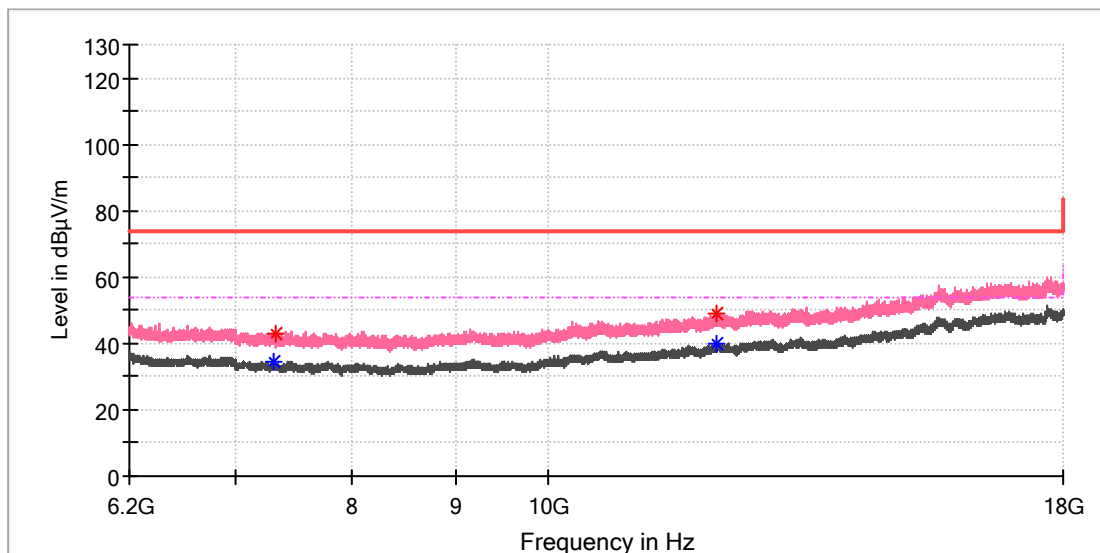
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7285.108333	---	34.21	54.00	19.79	150.0	H	97.0	8.4
7308.216667	43.68	---	74.00	30.32	150.0	H	97.0	8.2
12121.633333	48.95	---	74.00	25.05	150.0	H	34.0	14.3
12173.258333	---	39.60	54.00	14.40	150.0	H	171.0	14.5

Final Result

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

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11g_Ch6
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

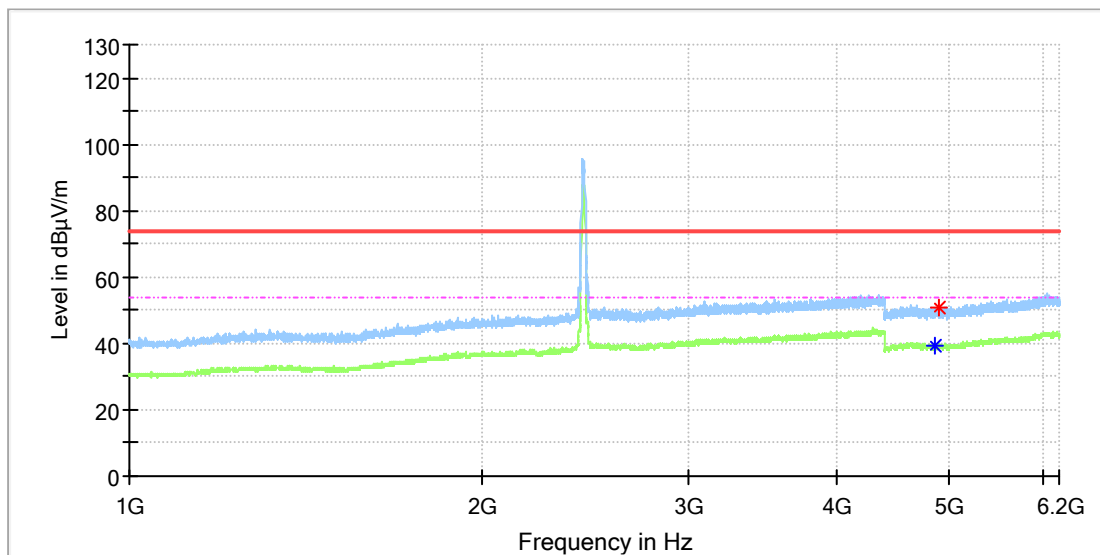
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7309.691667	---	34.60	54.00	19.40	150.0	V	201.0	8.2
7325.425000	43.08	---	74.00	30.92	150.0	V	0.0	8.2
12104.916667	---	39.96	54.00	14.04	150.0	V	0.0	14.2
12127.041667	49.13	---	74.00	24.87	150.0	V	276.0	14.3

Final Result

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

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11n20_Ch6
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

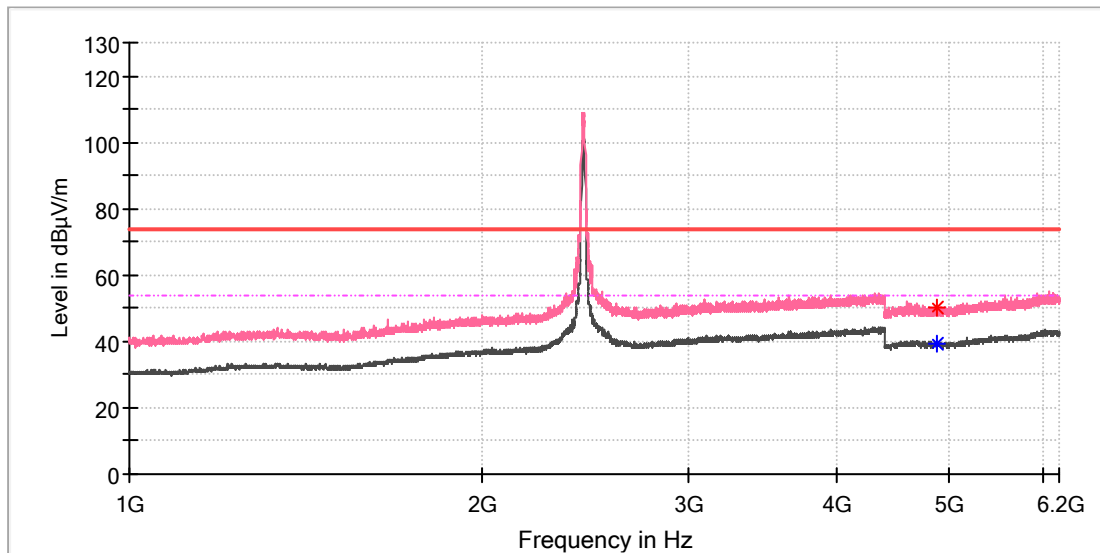
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4863.500000	---	39.48	54.00	14.52	150.0	H	94.0	11.8
4905.000000	51.07	---	74.00	22.93	150.0	H	321.0	11.8

Final Result

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

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11n20_Ch6
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

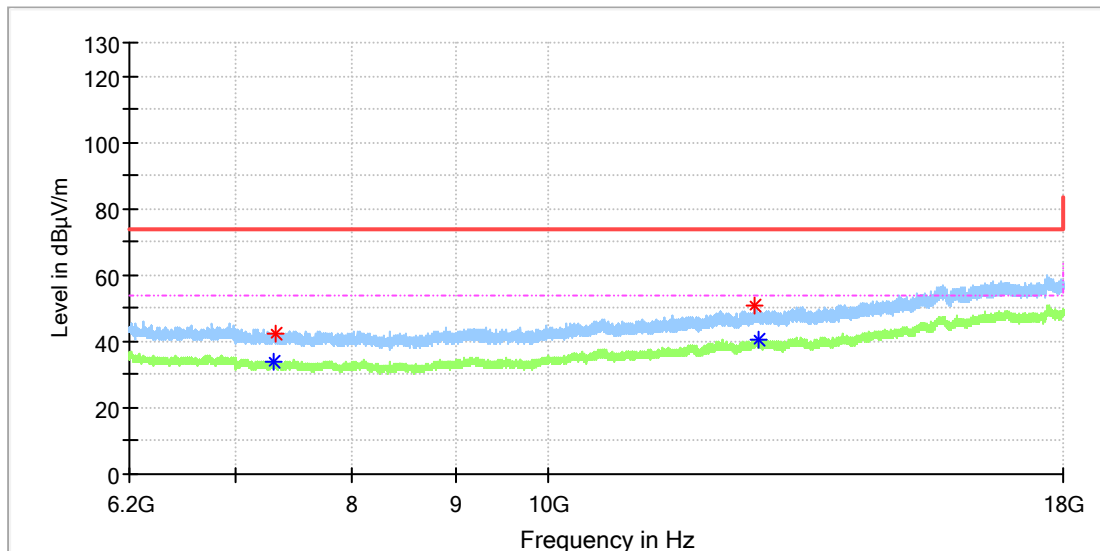
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4869.500000	---	39.45	54.00	14.55	150.0	V	348.0	11.8
4871.500000	50.19	---	74.00	23.81	150.0	V	249.0	11.8

Final Result

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

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11n20_Ch6
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

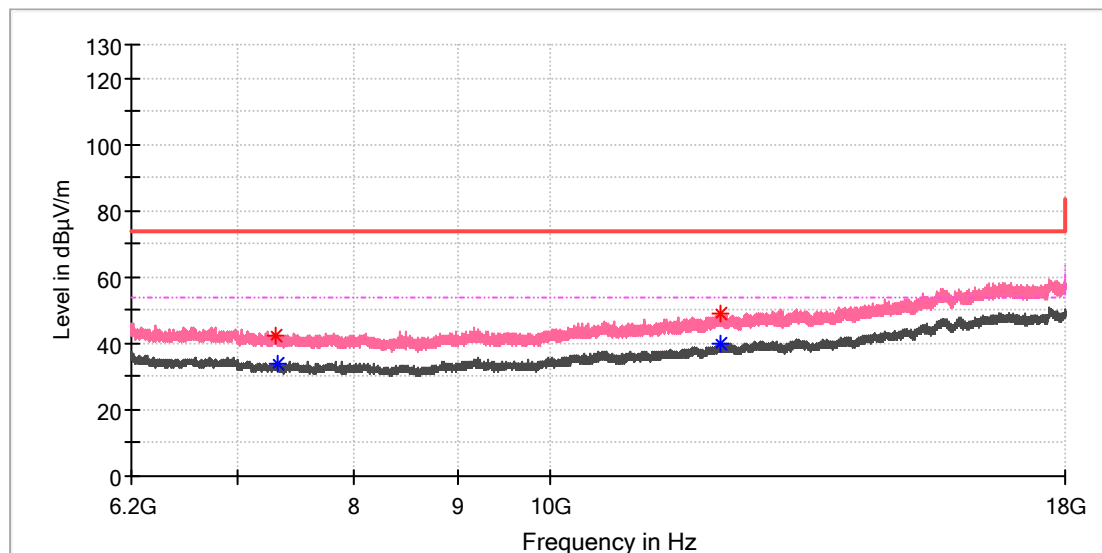
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7303.300000	---	33.99	54.00	20.01	150.0	H	262.0	8.3
7329.850000	42.29	---	74.00	31.71	150.0	H	248.0	8.1
12652.633333	50.51	---	74.00	23.49	150.0	H	0.0	15.0
12710.650000	---	40.48	54.00	13.52	150.0	H	176.0	15.1

Final Result

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

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11n20_Ch6
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

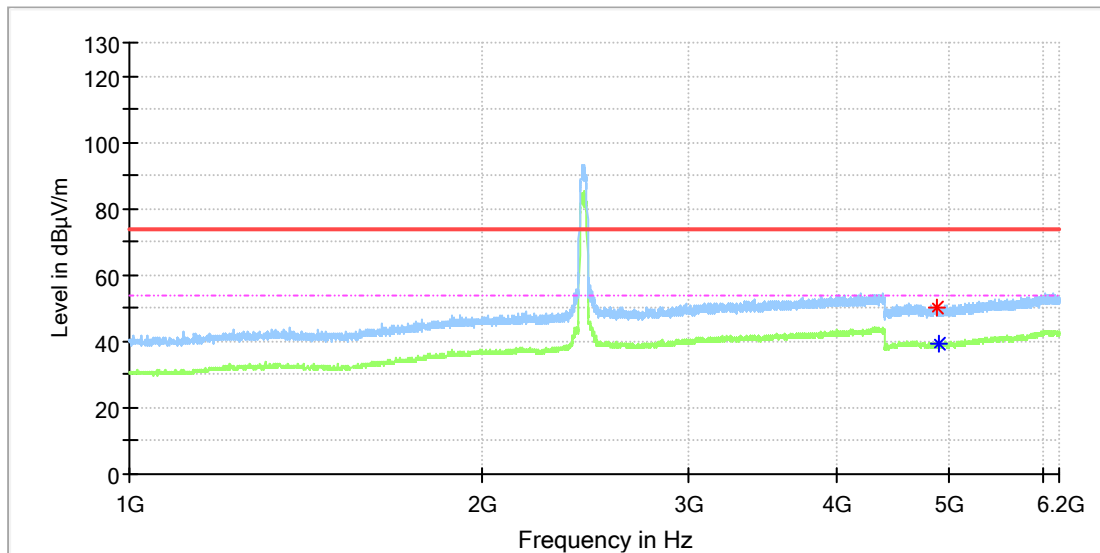
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7306.741667	42.62	---	74.00	31.38	150.0	V	0.0	8.3
7320.508333	---	33.84	54.00	20.16	150.0	V	0.0	8.2
12135.400000	---	40.13	54.00	13.87	150.0	V	228.0	14.3
12137.858333	49.02	---	74.00	24.98	150.0	V	303.0	14.4

Final Result

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

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11n40_Ch6
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

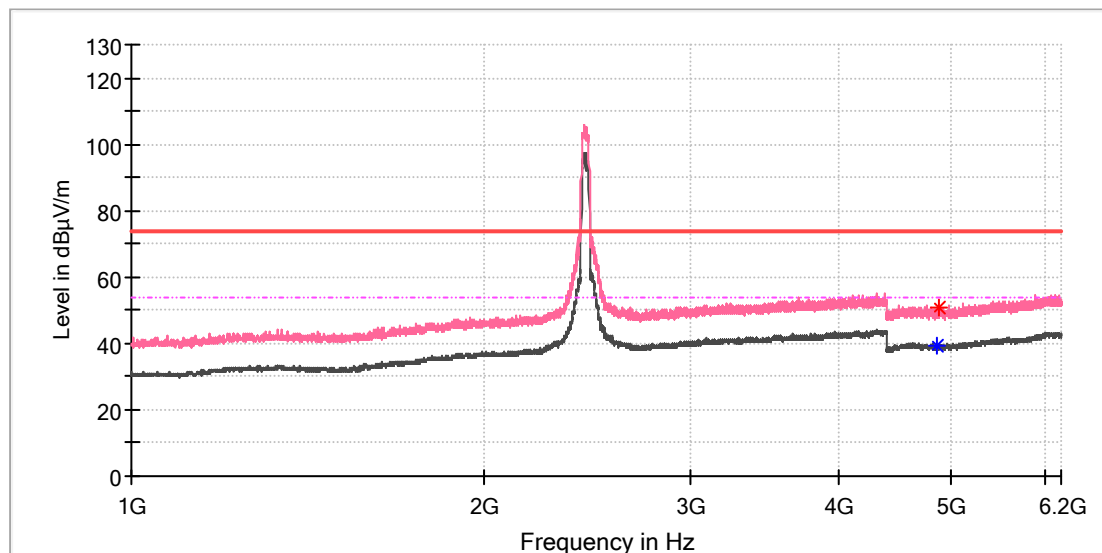
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4881.500000	50.07	---	74.00	23.93	150.0	H	224.0	11.8
4897.500000	---	39.48	54.00	14.52	150.0	H	157.0	11.8

Final Result

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

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11n40_Ch6
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

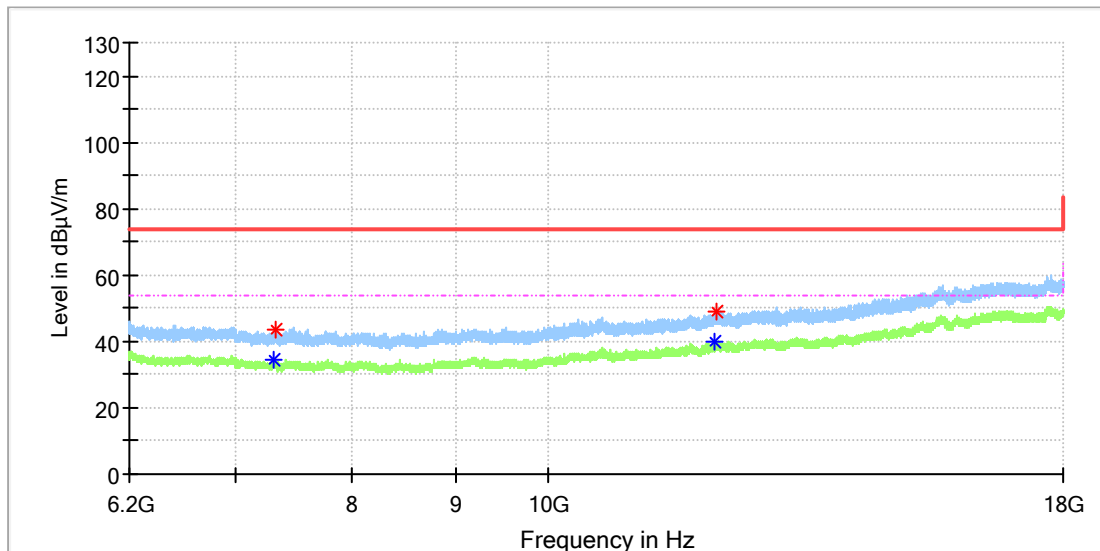
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4860.500000	---	39.47	54.00	14.53	150.0	V	201.0	11.8
4869.000000	50.61	---	74.00	23.39	150.0	V	312.0	11.8

Final Result

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

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11n40_Ch6
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

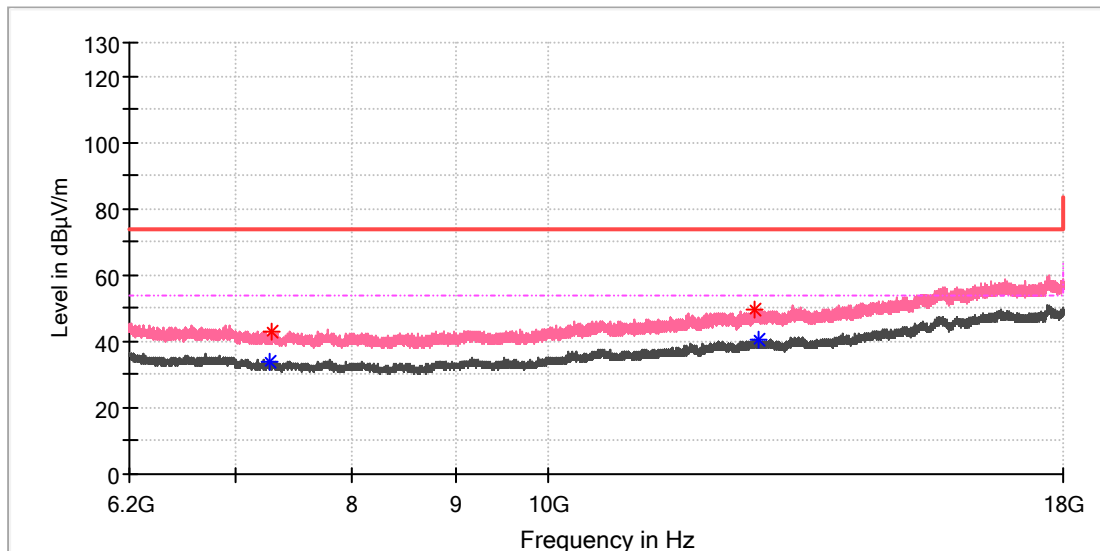
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7310.183333	---	34.23	54.00	19.77	150.0	H	174.0	8.2
7325.916667	43.29	---	74.00	30.71	150.0	H	174.0	8.2
12103.441667	---	39.72	54.00	14.28	150.0	H	68.0	14.2
12122.125000	49.12	---	74.00	24.88	150.0	H	0.0	14.3

Final Result

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

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11n40_Ch6
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7284.616667	---	34.11	54.00	19.89	150.0	V	0.0	8.4
7299.858333	42.90	---	74.00	31.10	150.0	V	187.0	8.3
12663.941667	49.83	---	74.00	24.17	150.0	V	0.0	15.0
12702.291667	---	40.74	54.00	13.26	150.0	V	246.0	15.1

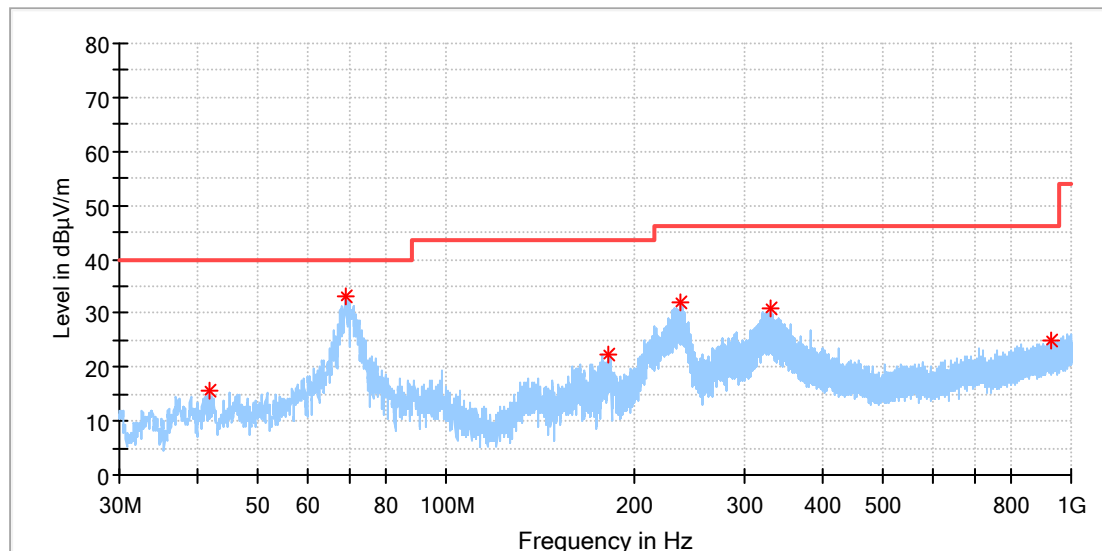
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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30MHz - 1GHz for co-location

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11b_Ch1+Thread_High channel
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

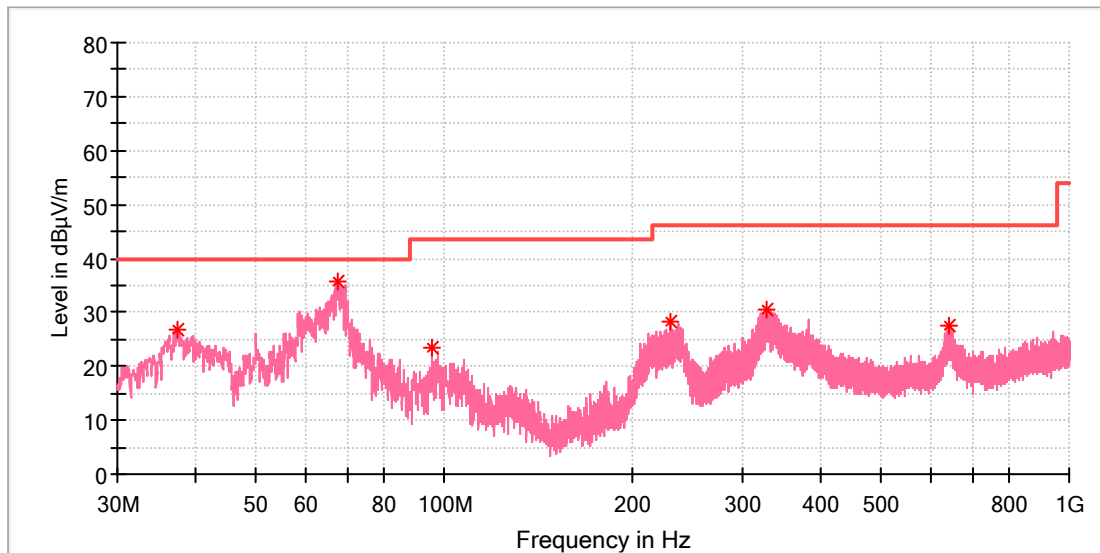
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
41.677308	15.80	40.00	24.20	100.0	H	8.0	-20.0
69.210385	33.09	40.00	6.91	100.0	H	211.0	-21.9
182.066154	22.36	43.50	21.14	100.0	H	2.0	-20.6
236.311539	32.12	46.00	13.88	100.0	H	282.0	-18.2
330.065769	31.05	46.00	14.95	100.0	H	226.0	-15.7
925.683077	24.83	46.00	21.17	100.0	H	274.0	-5.2

Final Result

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

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11b_Ch1+Thread_High channel
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.498846	26.87	40.00	13.13	100.0	V	18.0	-21.2
67.718077	35.87	40.00	4.13	100.0	V	312.0	-21.3
95.549615	23.49	43.50	20.01	100.0	V	354.0	-20.0
229.931923	28.27	46.00	17.73	100.0	V	4.0	-18.4
327.006539	30.69	46.00	15.31	100.0	V	98.0	-15.8
641.249231	27.71	46.00	18.29	100.0	V	73.0	-9.5

Final Result

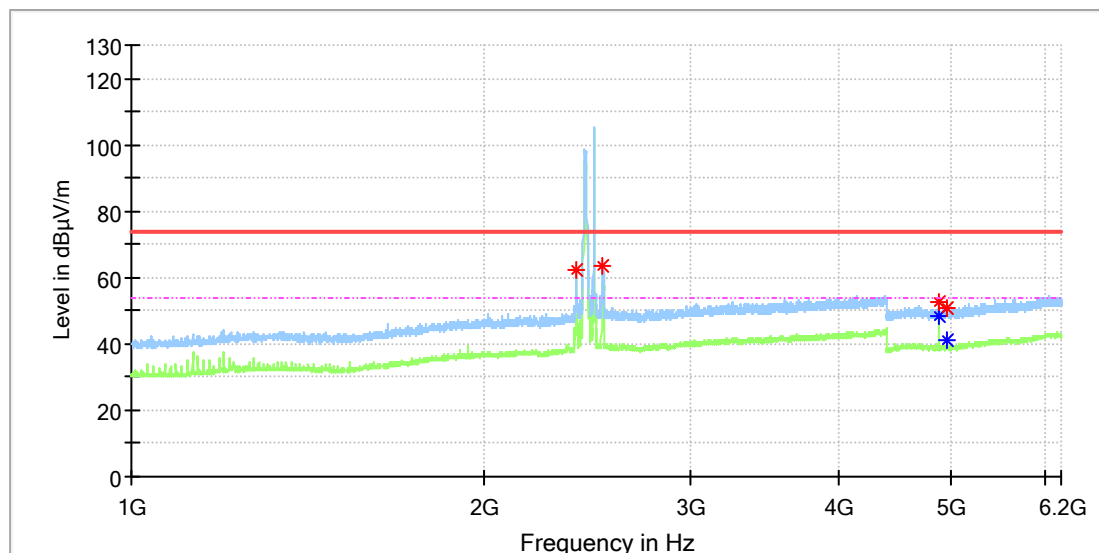
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

1GHz - 18GHz for co-location

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

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11b_Ch1+Thread_High channel
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

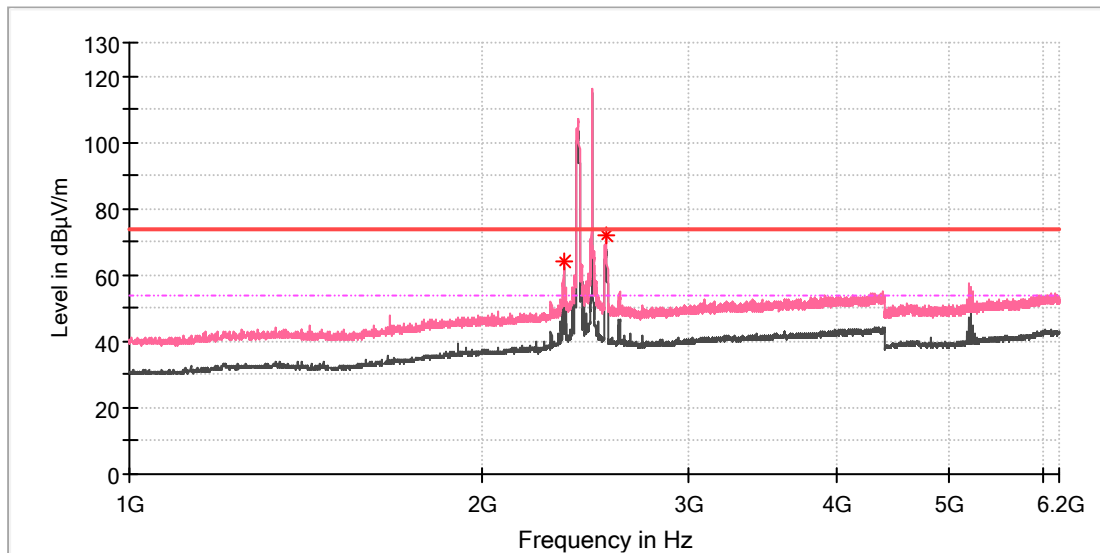
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2394.000000	62.35	---	74.00	11.65	150.0	H	62.0	7.0
2522.000000	63.78	---	74.00	10.22	150.0	H	227.0	7.5
4874.000000	52.85	---	74.00	21.15	150.0	H	304.0	11.8
4874.000000	---	48.34	54.00	5.66	150.0	H	304.0	11.8
4959.500000	---	41.22	54.00	12.78	150.0	H	135.0	11.8
4963.000000	50.56	---	74.00	23.44	150.0	H	353.0	11.8

Final_Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2394.000000	46.22	54.00	7.78	150.0	H	62.0	7.0
2522.000000	47.65	54.00	6.35	150.0	H	227.0	7.5

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11b_Ch1+Thread_High channel
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

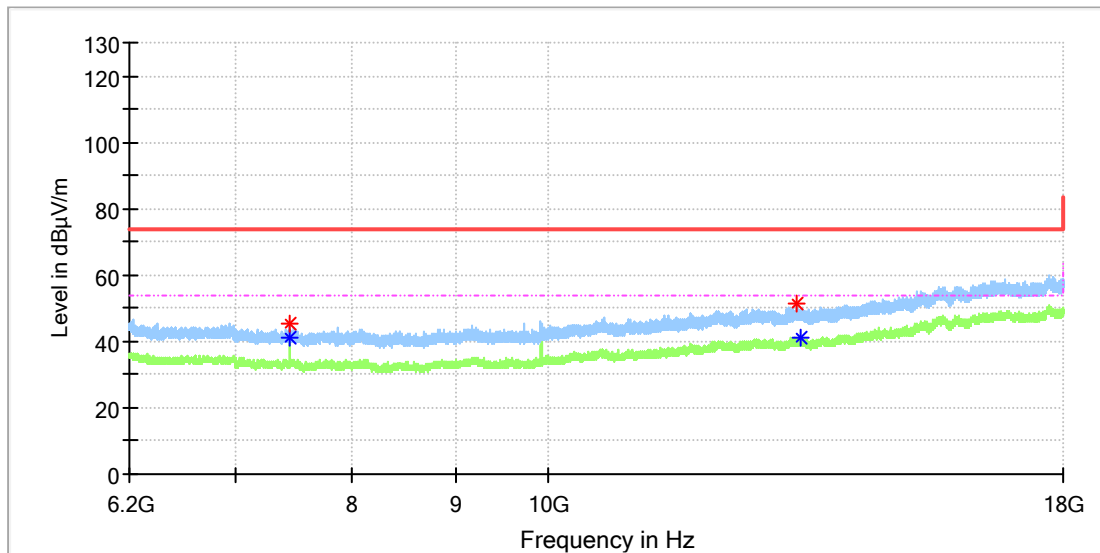
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2343.500000	63.92	---	74.00	10.08	150.0	V	47.0	6.9
2549.000000	70.67	---	74.00	3.33	150.0	V	346.0	7.6

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2343.500000	44.87	54.00	9.13	150.0	V	47.0	6.9
2549.000000	50.38	54.00	3.62	150.0	V	346.0	7.6

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11b_Ch1+Thread_High channel
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

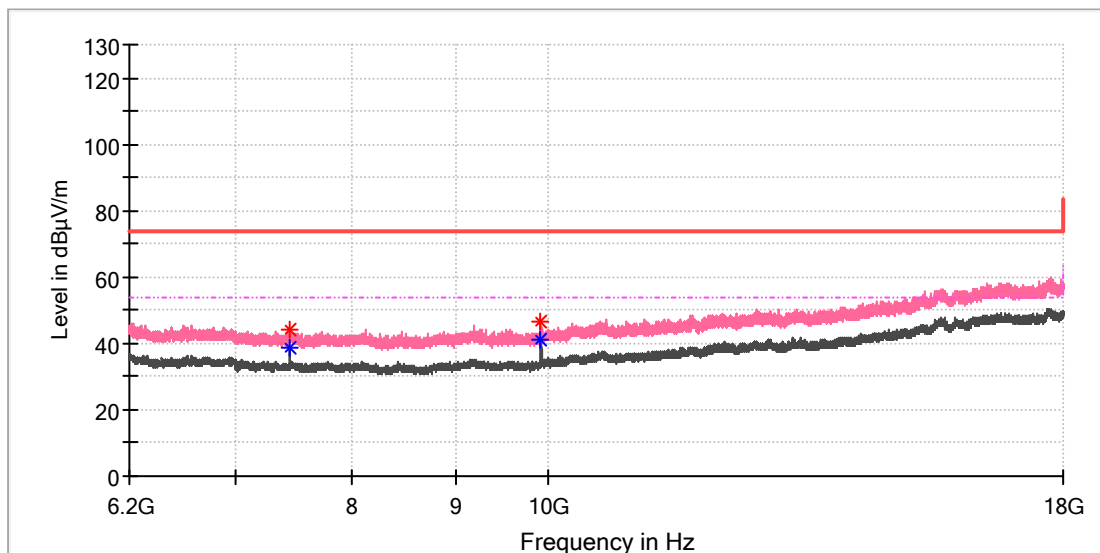
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7439.983333	---	40.98	54.00	13.02	150.0	H	263.0	8.4
7440.475000	45.44	---	74.00	28.56	150.0	H	115.0	8.4
13282.458333	51.30	---	74.00	22.70	150.0	H	151.0	15.5
13344.408333	---	41.34	54.00	12.66	150.0	H	128.0	15.5

Final Result

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

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11b_Ch1+Thread_High channel
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7439.983333	43.94	---	74.00	30.06	150.0	V	0.0	8.4
7439.983333	---	38.66	54.00	15.34	150.0	V	0.0	8.4
9919.458333	46.47	---	74.00	27.53	150.0	V	322.0	10.8
9919.950000	---	40.88	54.00	13.12	150.0	V	322.0	10.8

Final Result

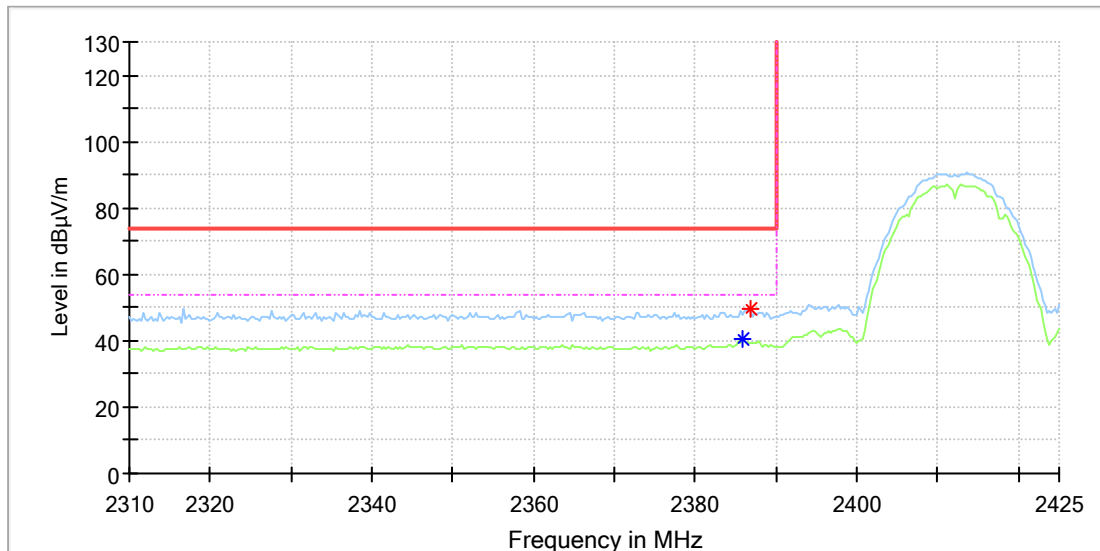
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

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

Wi-Fi 802.11 b mode

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

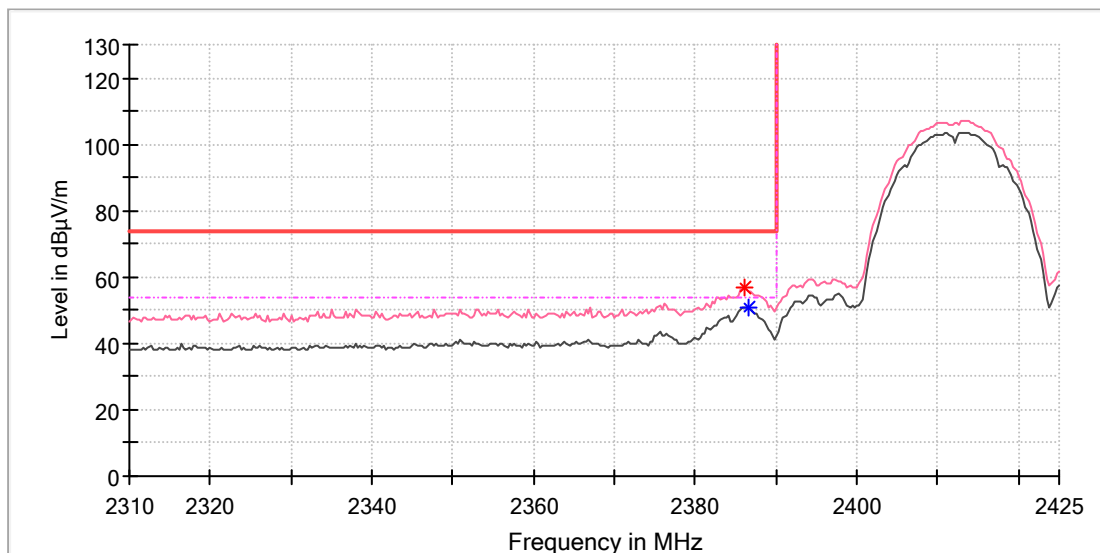
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2385.882353	---	40.48	54.00	13.52	150.0	H	86.0	7.0
2386.764706	49.53	---	74.00	24.47	150.0	H	71.0	7.0

Final_Result

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

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

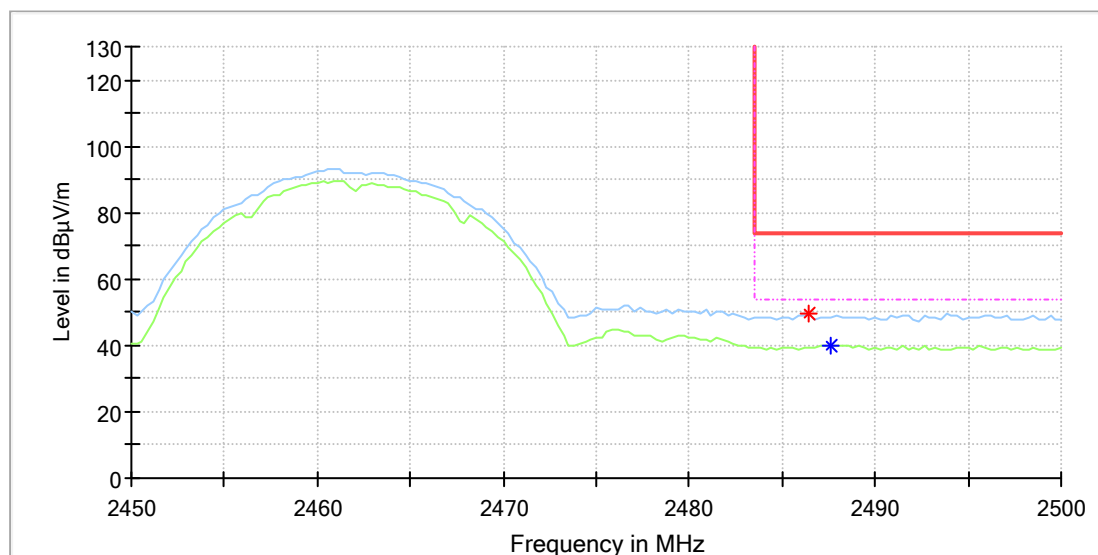
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2386.176471	57.12	---	74.00	16.88	150.0	V	56.0	7.0
2386.470588	---	50.92	54.00	3.08	150.0	V	43.0	7.0

Final Result

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

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

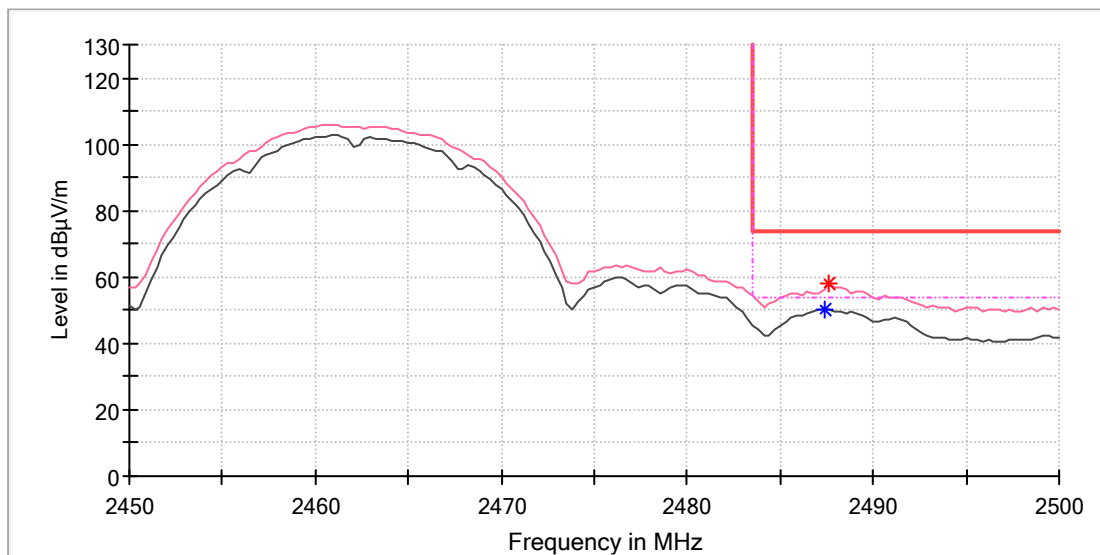
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2486.470588	49.58	---	74.00	24.42	150.0	H	64.0	7.4
2487.647059	---	40.18	54.00	13.82	150.0	H	188.0	7.4

Final Result

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

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2487.352941	---	50.46	54.00	3.54	150.0	V	42.0	7.4
2487.647059	57.92	---	74.00	16.08	150.0	V	42.0	7.4

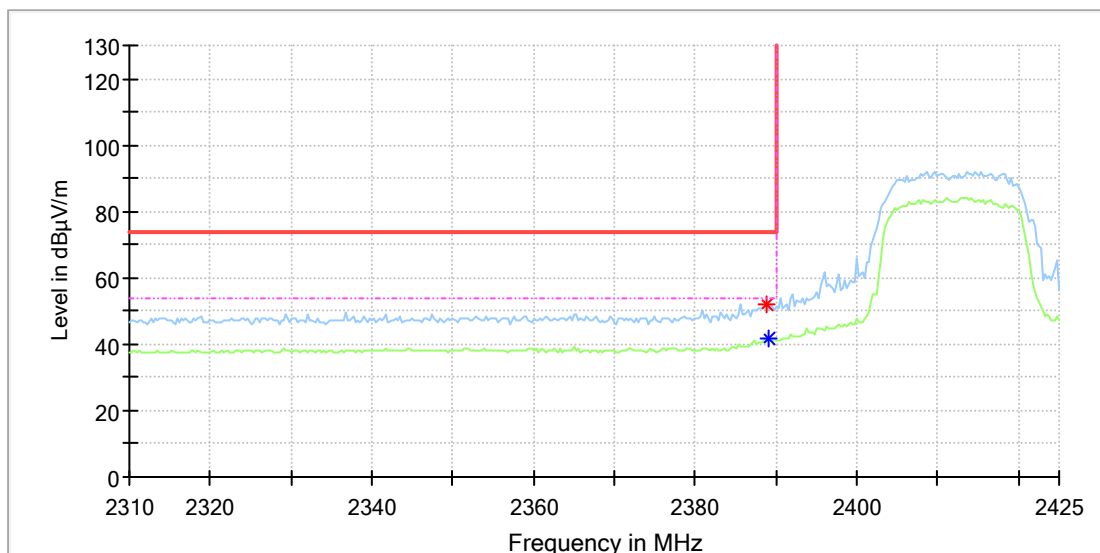
Final Result

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

Wi-Fi 802.11 g mode

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11g_Ch1
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

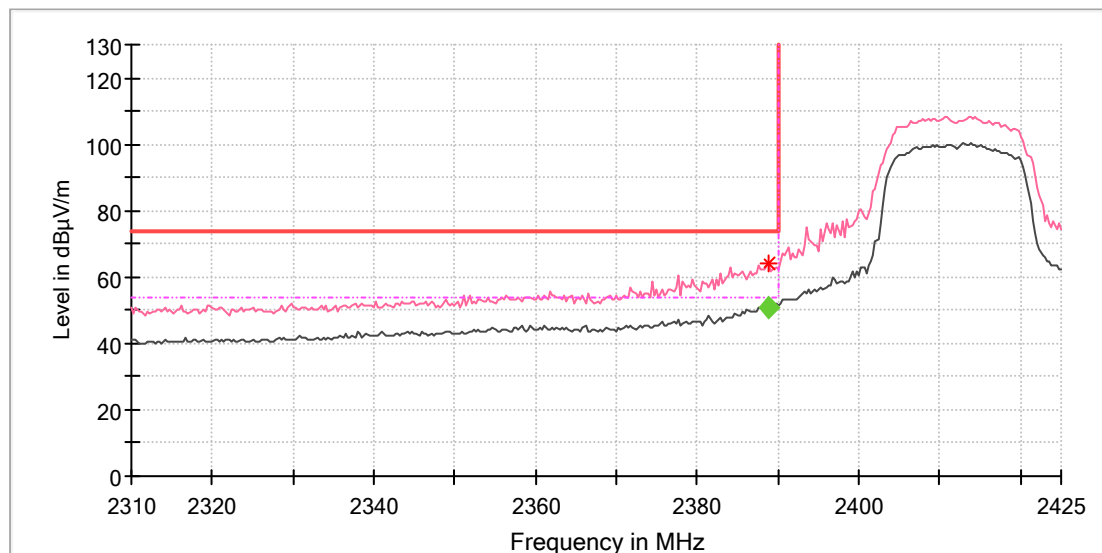
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.823529	51.84	---	74.00	22.16	150.0	H	336.0	7.0
2389.117647	---	41.94	54.00	12.06	150.0	H	336.0	7.0

Final Result

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

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11g_Ch1
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

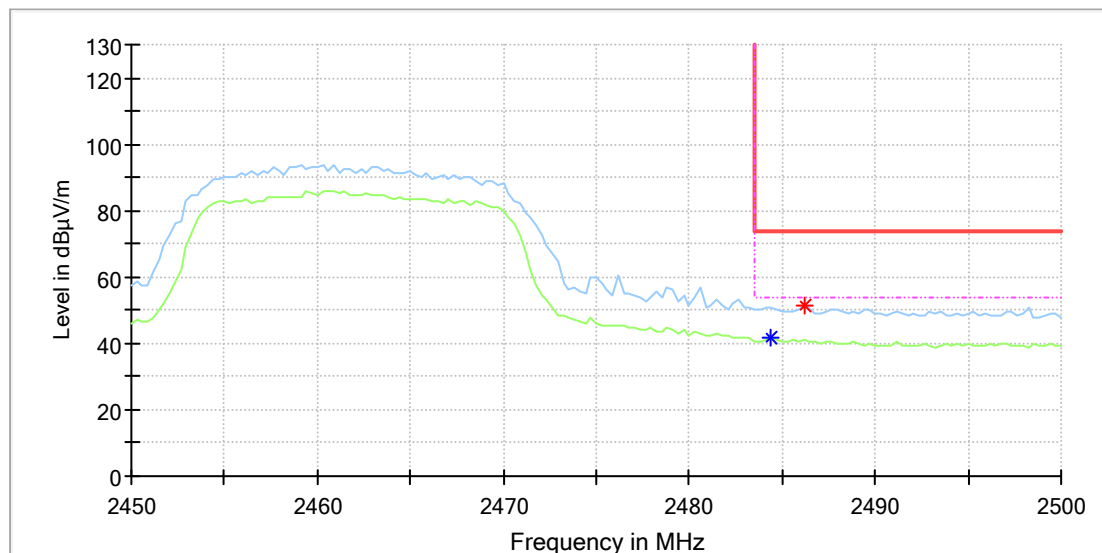
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.823529	64.03	---	74.00	9.97	150.0	V	173.0	7.0

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.823529	50.98	54.00	3.02	150.0	V	171.0	7.0

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11g_Ch11
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

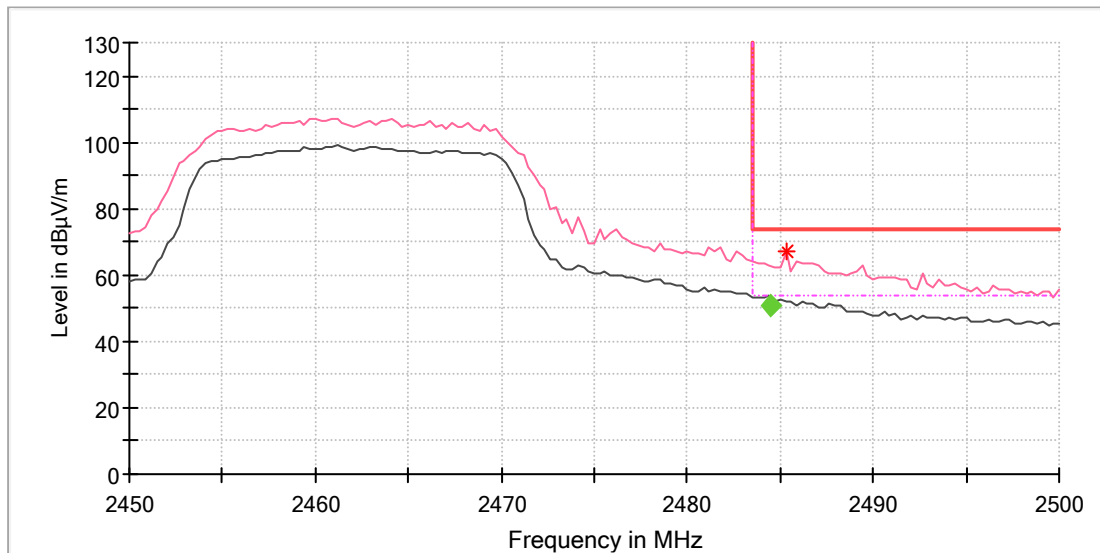
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.411765	---	41.56	54.00	12.44	150.0	H	280.0	7.4
2486.176471	51.49	---	74.00	22.51	150.0	H	54.0	7.4

Final Result

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

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11g_Ch11
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2485.294118	66.85	---	74.00	7.15	150.0	V	43.0	7.4

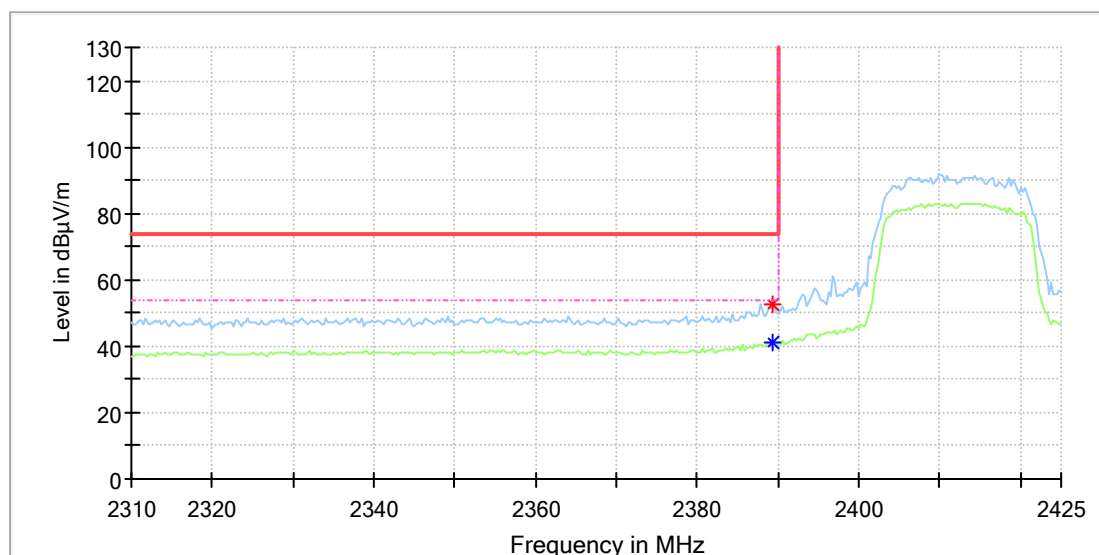
Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.453971	50.90	54.00	3.10	148.0	V	42.0	7.4

Wi-Fi 802.11 n(HT20) mode

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11n20_Ch1
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

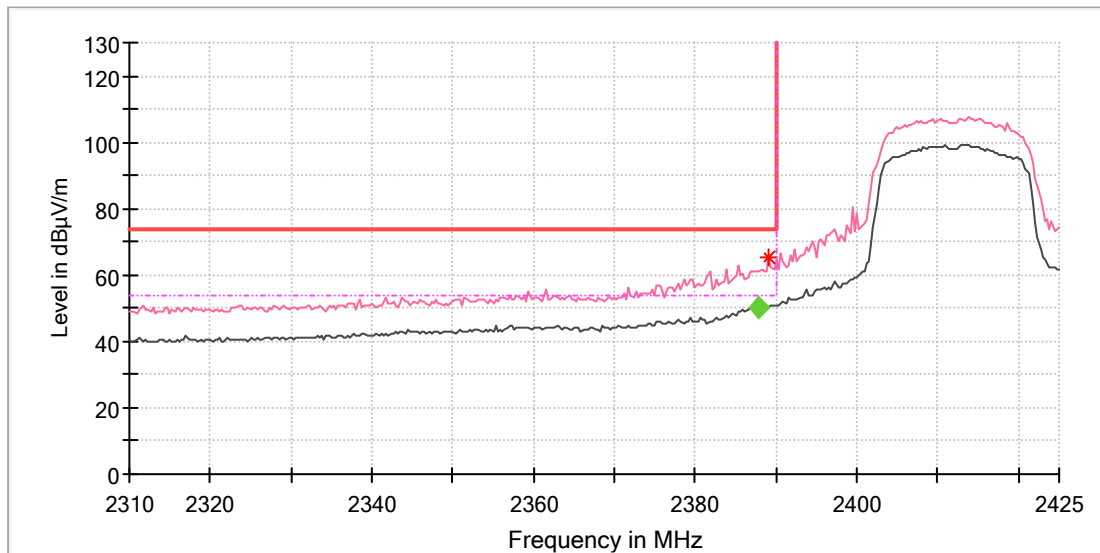
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.411765	52.73	---	74.00	21.27	150.0	H	239.0	7.0
2389.411765	---	41.16	54.00	12.84	150.0	H	239.0	7.0

Final Result

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

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11n20_Ch1
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

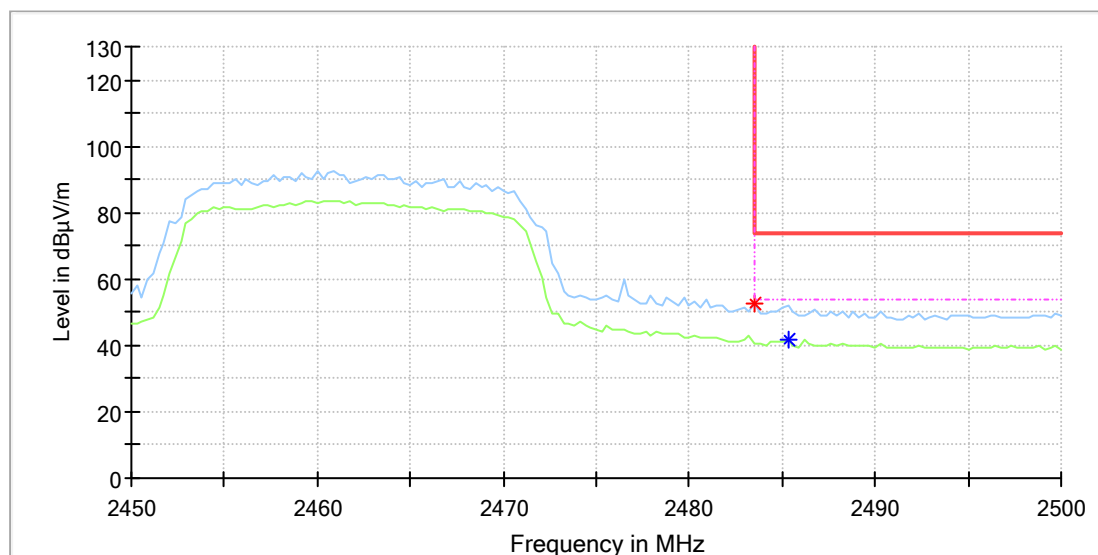
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.117647	65.10	---	74.00	8.90	150.0	V	48.0	7.0

Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2387.702059	50.42	54.00	3.58	149.0	V	41.0	7.0

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11n20_Ch11
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

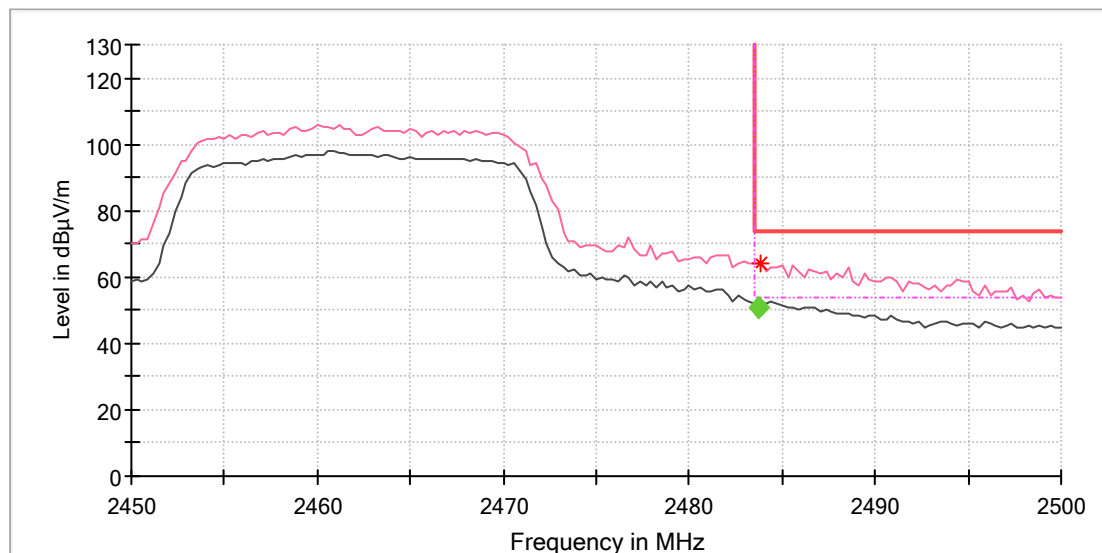
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.529412	52.31	---	74.00	21.69	150.0	H	182.0	7.4
2485.294118	---	41.77	54.00	12.23	150.0	H	336.0	7.4

Final Result

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

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11n20_Ch11
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.823529	64.17	---	74.00	9.83	150.0	V	37.0	7.4

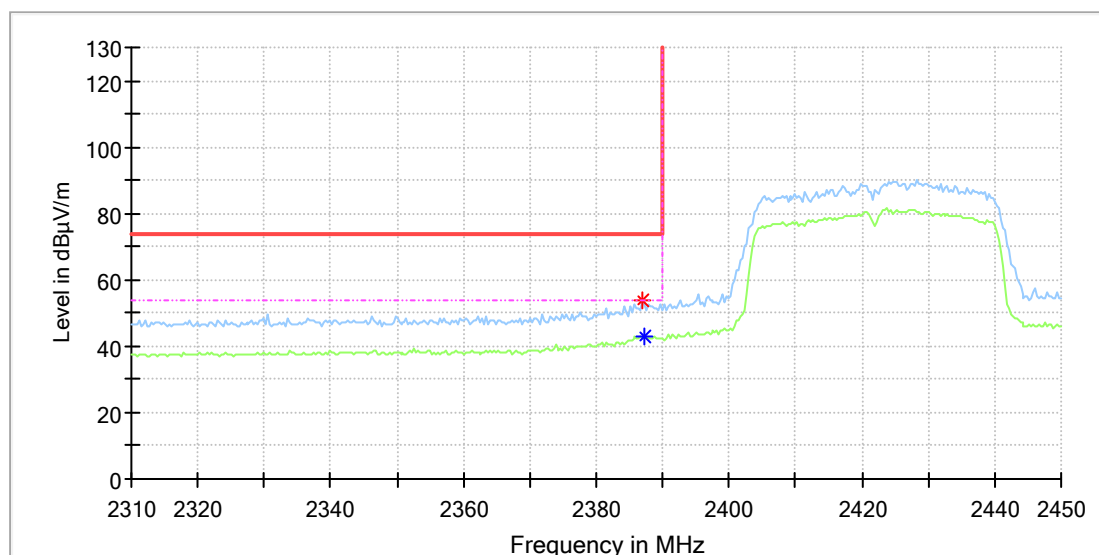
Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.746911	50.53	54.00	3.47	151.0	V	36.0	7.4

Wi-Fi 802.11 n(HT40) mode

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11n40_Ch3
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

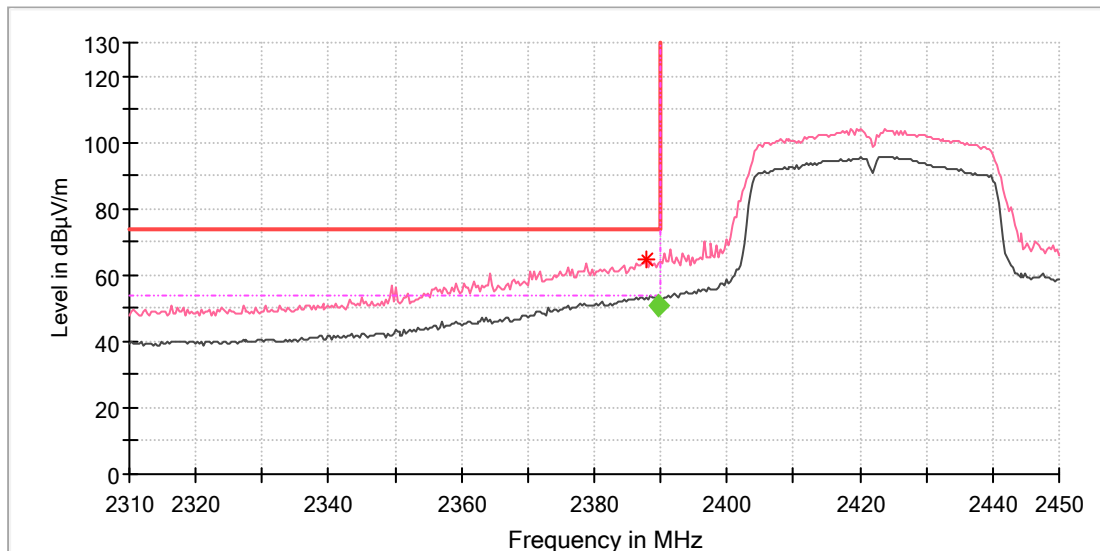
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2387.058824	53.94	---	74.00	20.06	150.0	H	58.0	7.0
2387.352941	---	43.17	54.00	10.83	150.0	H	72.0	7.0

Final Result

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

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11n40_Ch3
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

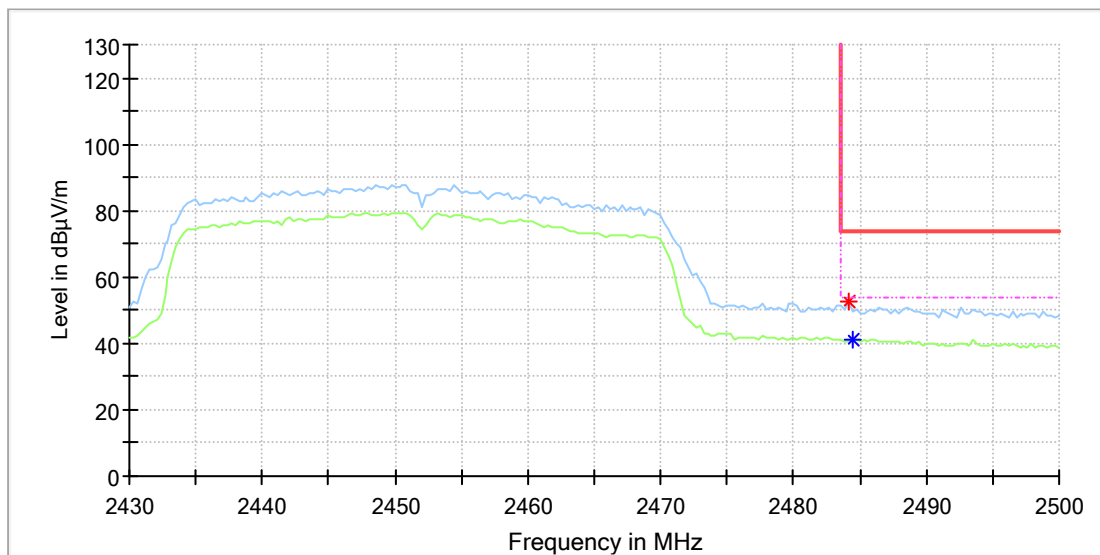
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.705882	64.85	---	74.00	9.15	150.0	V	326.0	7.0

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.705882	50.59	54.00	3.41	148.0	V	296.0	7.0

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11n40_Ch9
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

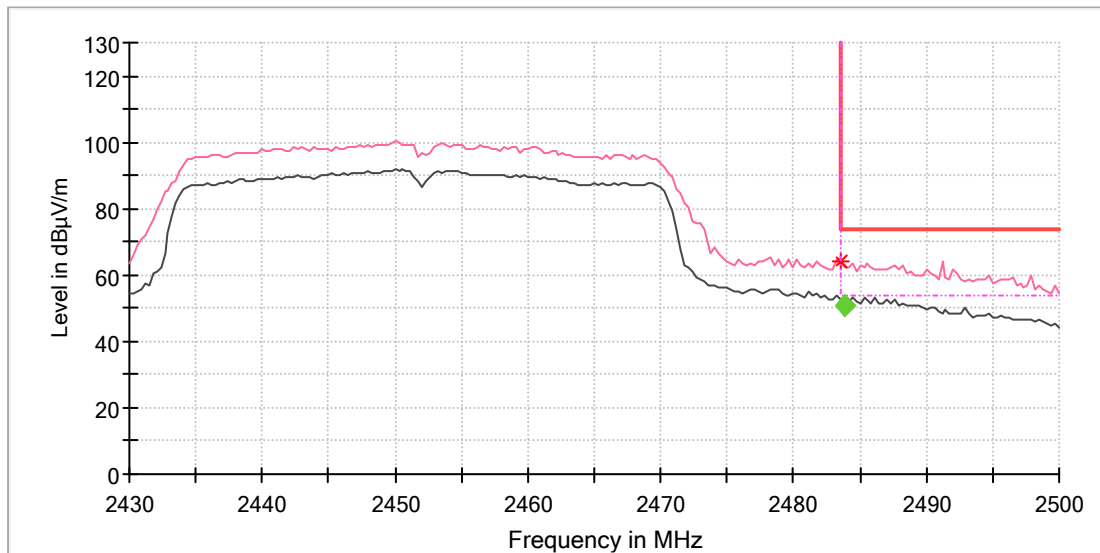
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.117647	52.74	---	74.00	21.26	150.0	H	277.0	7.4
2484.411765	---	41.29	54.00	12.71	150.0	H	198.0	7.4

Final Result

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

EUT Information

EUT Name:	Gateway
Model:	Hoo Max H5EA
Test Mode:	WIFI 2.4G_11n40_Ch9
Order No/Sample No:	168450232/A003634619-002
Test Voltage:	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.529412	64.04	---	74.00	9.96	150.0	V	52.0	7.4

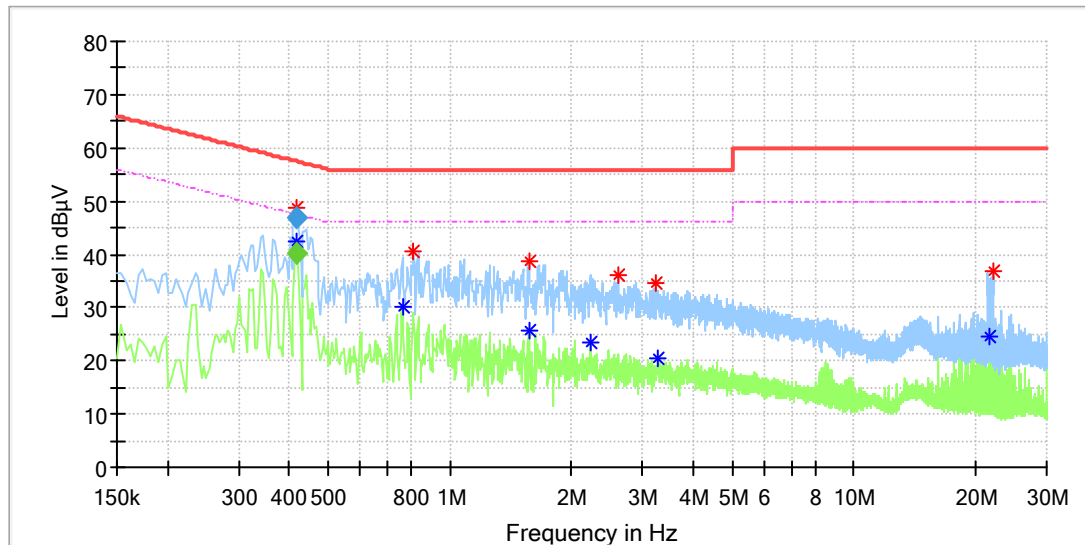
Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.823529	50.82	54.00	3.18	148.0	V	37.0	7.4

Appendix B.7: Test Results of Conducted Emission

EUT Information

EUT Name	Gateway
Order Number:	168450232(P01199473)
Model:	Hoo Max H5EA
Test Mode:	2.4GHz Wi-Fi
Test Voltage:	AC 120V/60Hz
Test Standard:	FCC Part 15
Test By:/Review By:	Dawn Shen/Gary Chen
Tem./Hum./Pressure:	23.3°C/50.8%/101kPa
Remark:	SR1



Critical_Freqs

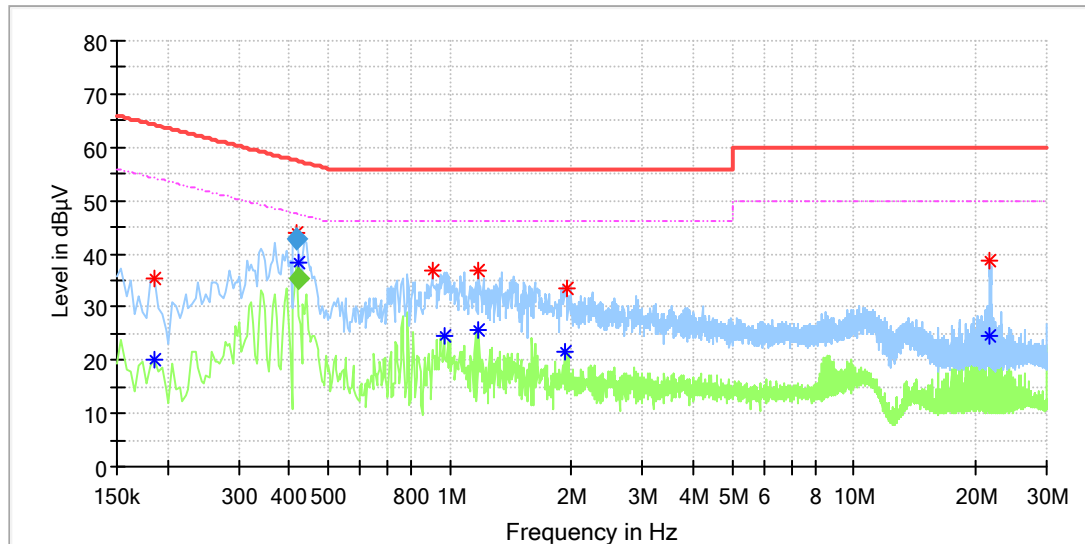
Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.416500	48.83	---	57.49	8.66	L1	9.9
0.416500	---	42.40	47.49	5.09	L1	9.9
0.764000	---	30.01	46.00	15.99	L1	9.8
0.812000	40.65	---	56.00	15.35	L1	9.8
1.568000	---	25.64	46.00	20.36	L1	9.8
1.568000	38.53	---	56.00	17.47	L1	9.8
2.224000	---	23.57	46.00	22.43	L1	9.9
2.604000	36.11	---	56.00	19.89	L1	9.9
3.228000	34.52	---	56.00	21.48	L1	9.9
3.288000	---	20.43	46.00	25.57	L1	9.9
21.664000	---	24.51	50.00	25.49	L1	10.5
22.032000	36.80	---	60.00	23.20	L1	10.5

Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.416500	---	40.02	47.52	7.50	1000.0	9.000	L1	9.9
0.416500	46.87	---	57.52	10.65	1000.0	9.000	L1	9.9

EUT Information

EUT Name	Gateway
Order Number:	168450232(P01199473)
Model:	Hoo Max H5EA
Test Mode:	2.4GHz Wi-Fi
Test Voltage:	AC 120V/60Hz
Test Standard:	FCC Part 15
Test By:/Review By:	Dawn Shen/Gary Chen
Tem./Hum./Pressure:	23.3°C/50.8%/101kPa
Remark:	SR1



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.186000	---	20.19	54.21	34.02	N	9.7
0.186000	35.28	---	64.21	28.93	N	9.7
0.416500	43.92	---	57.49	13.57	N	9.7
0.420500	---	38.50	47.49	8.99	N	9.7
0.908000	36.93	---	56.00	19.07	N	9.7
0.968000	---	24.49	46.00	21.51	N	9.6
1.180000	---	25.81	46.00	20.19	N	9.7
1.180000	36.99	---	56.00	19.01	N	9.7
1.920000	---	21.43	46.00	24.57	N	9.9
1.944000	33.66	---	56.00	22.34	N	9.9
21.664000	---	24.43	50.00	25.57	N	10.4
21.764000	38.86	---	60.00	21.14	N	10.4

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.416500	42.78	---	57.52	14.74	1000.0	9.000	N	9.7
0.420500	---	35.18	47.44	12.25	1000.0	9.000	N	9.7