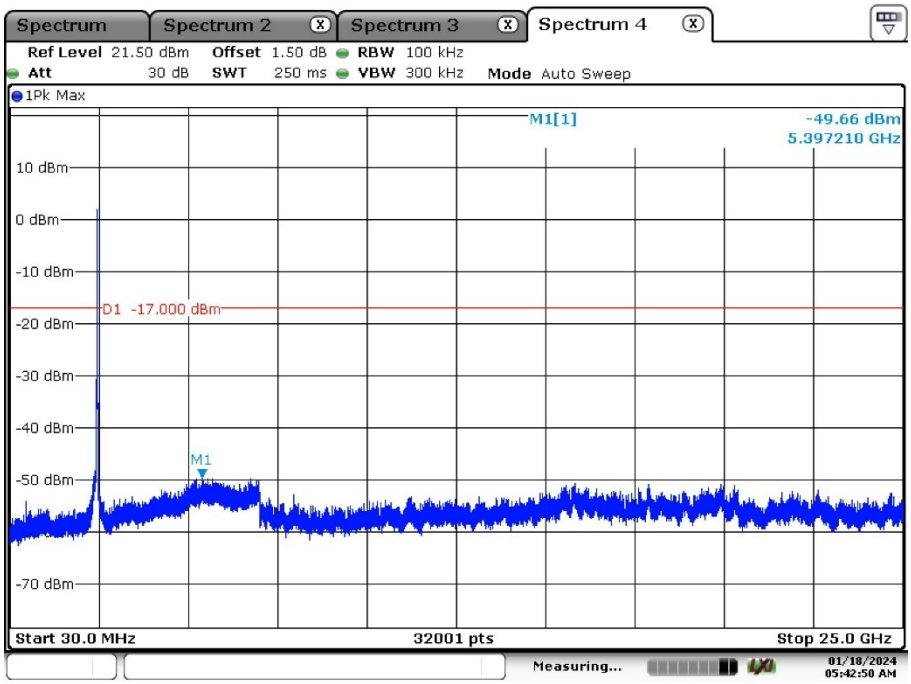
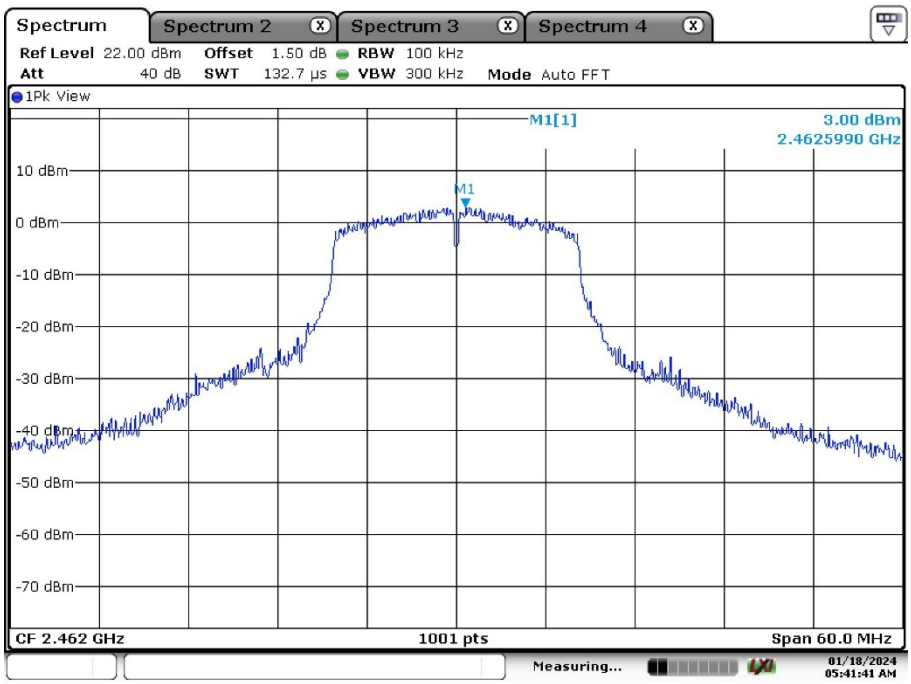
High Channel:



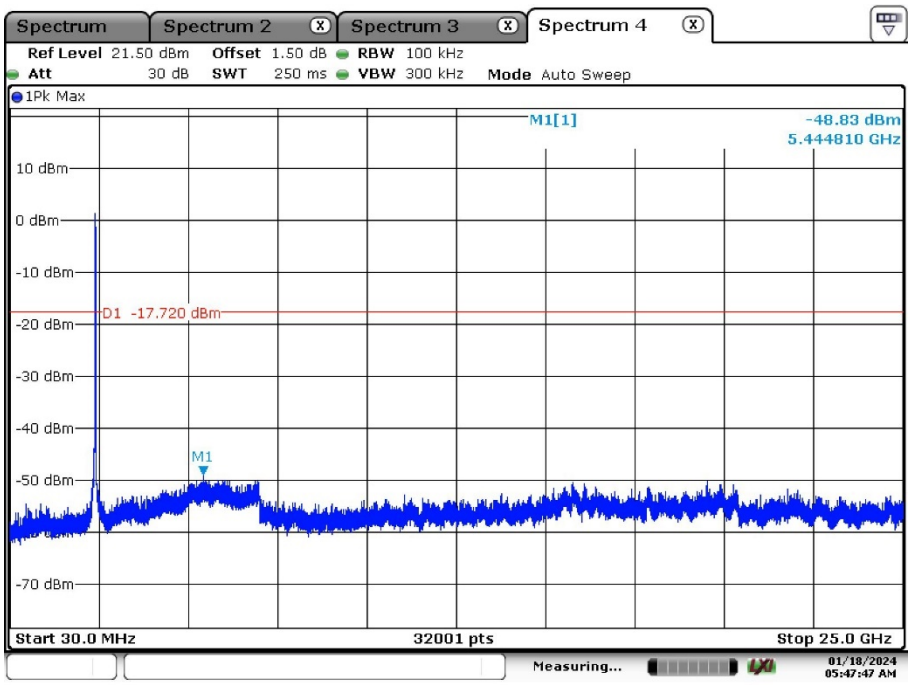
Date: 18.JAN.2024 05:42:50



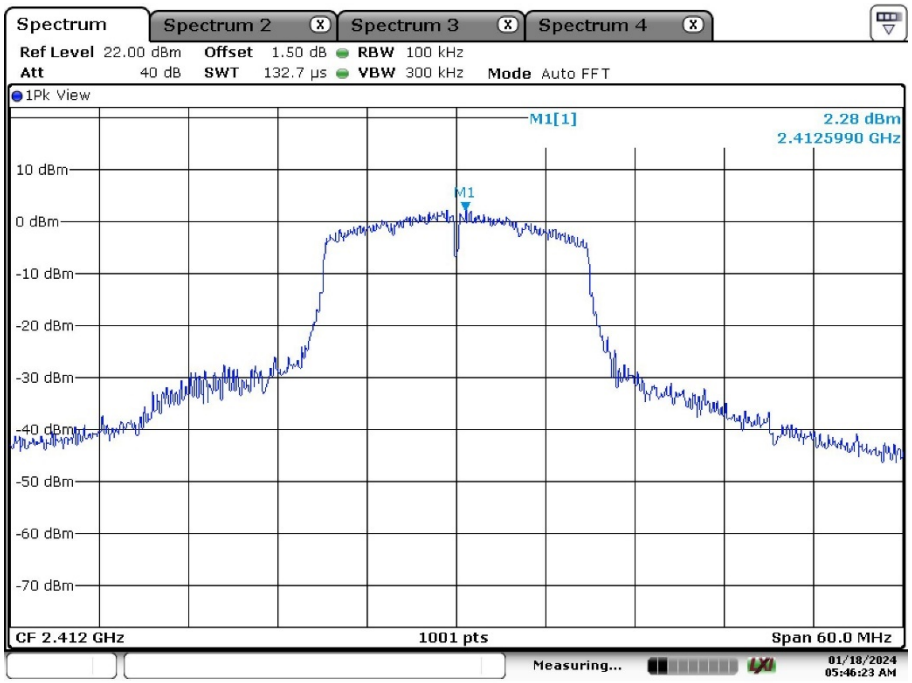
Date: 18.JAN.2024 05:41:41

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

Low Channel:

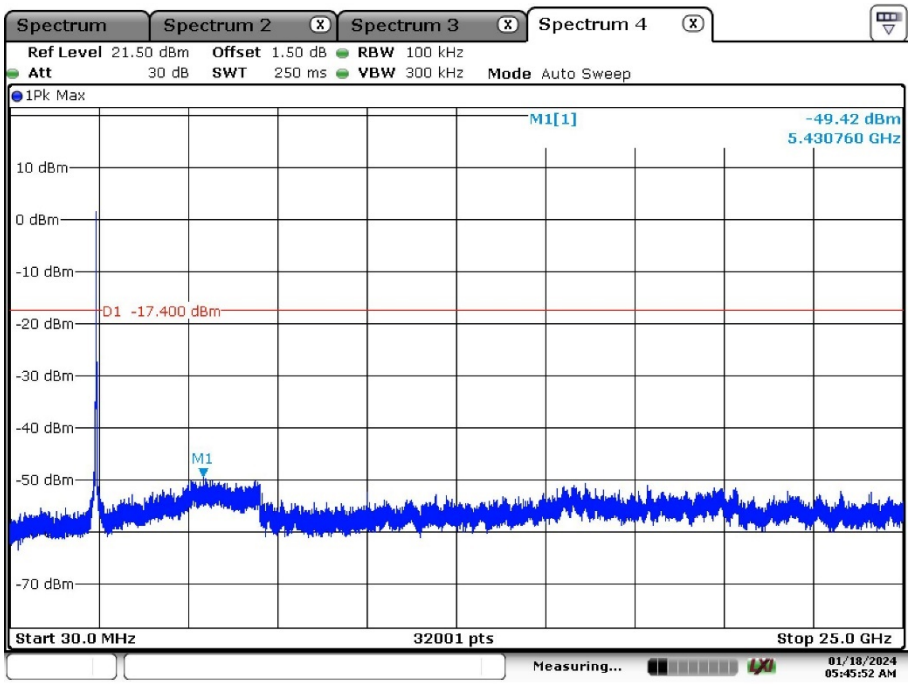


Date: 18.JAN.2024 05:47:48

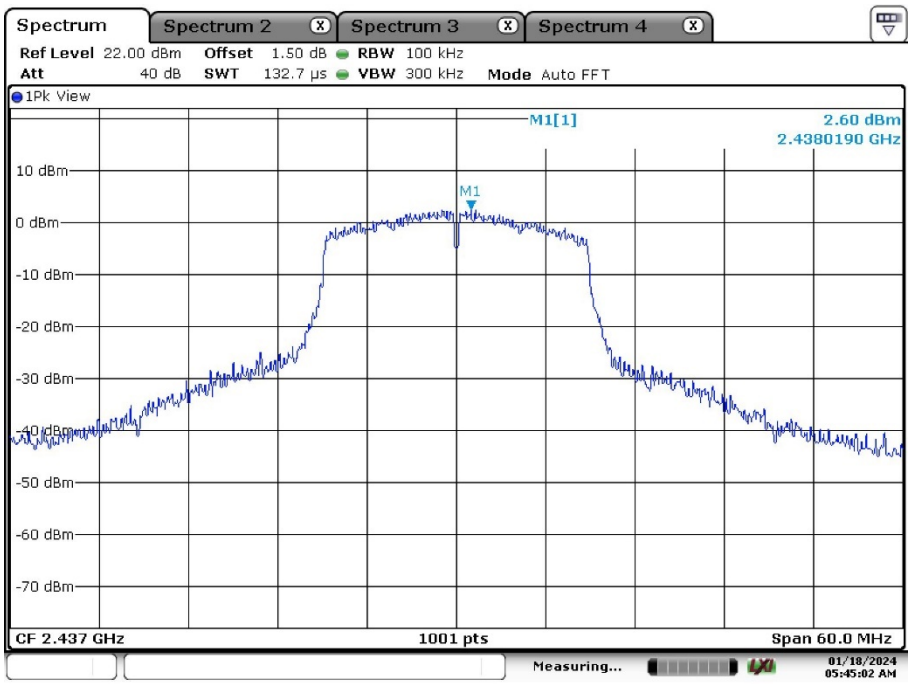


Date: 18.JAN.2024 05:46:23

Middle Channel:

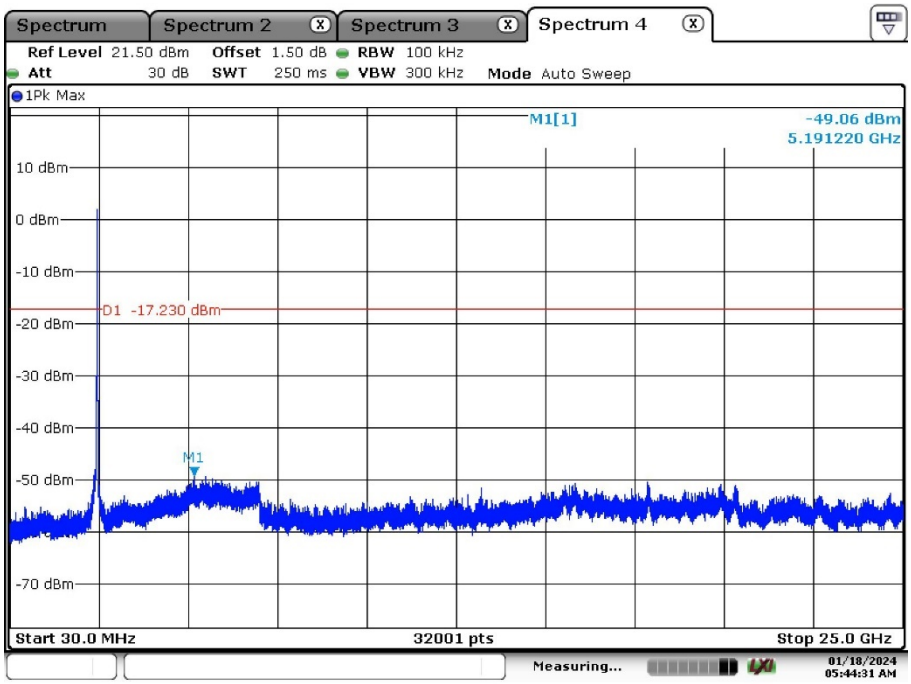


Date: 18.JAN.2024 05:45:52

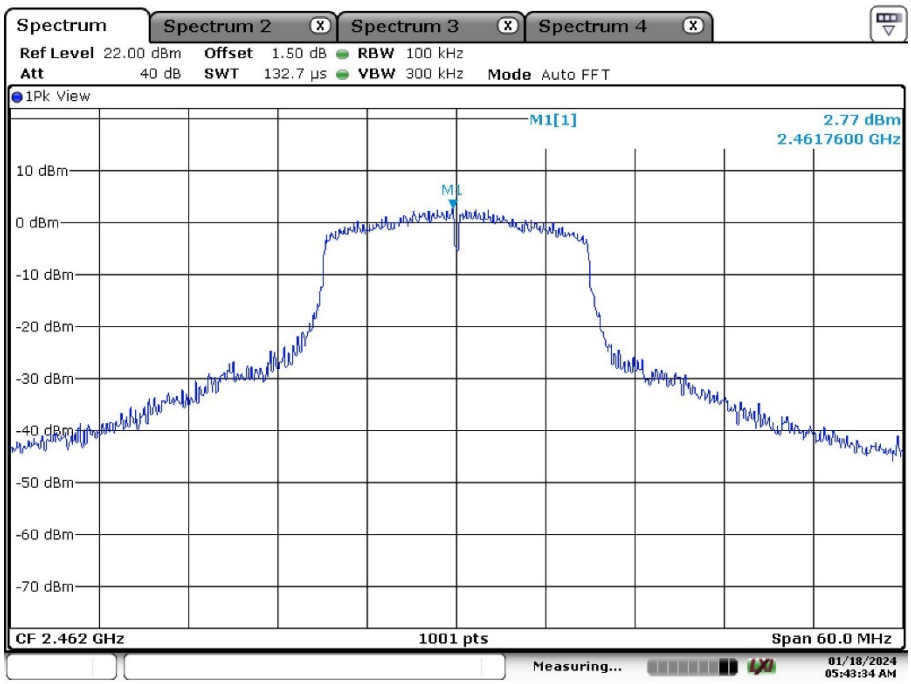


Date: 18.JAN.2024 05:45:03

High Channel:



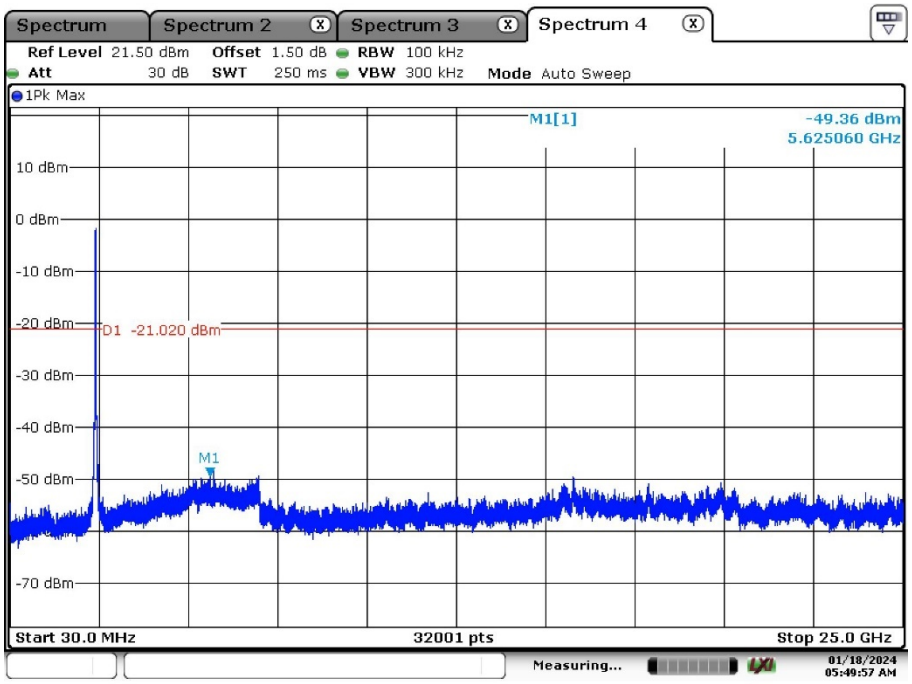
Date: 18.JAN.2024 05:44:31



Date: 18.JAN.2024 05:43:35

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

Low Channel:



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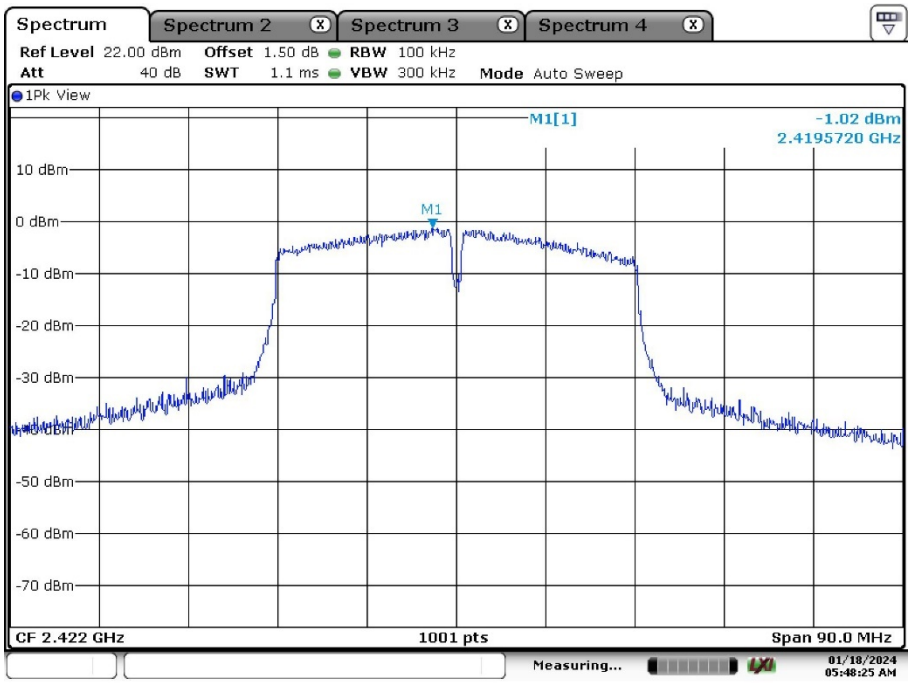
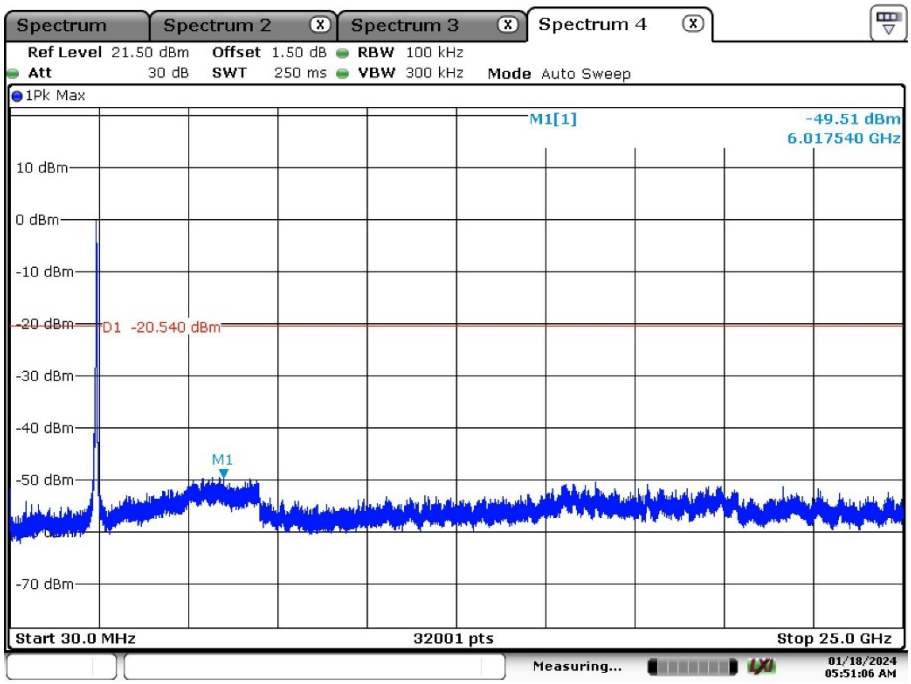
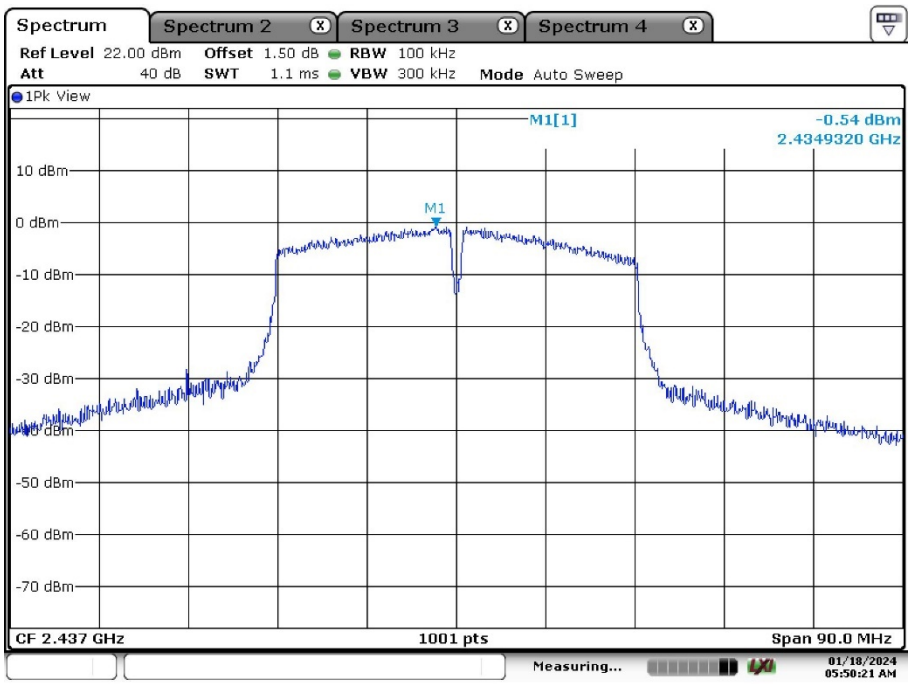


Date: 18.JAN.2024 05:48:25

Middle Channel:

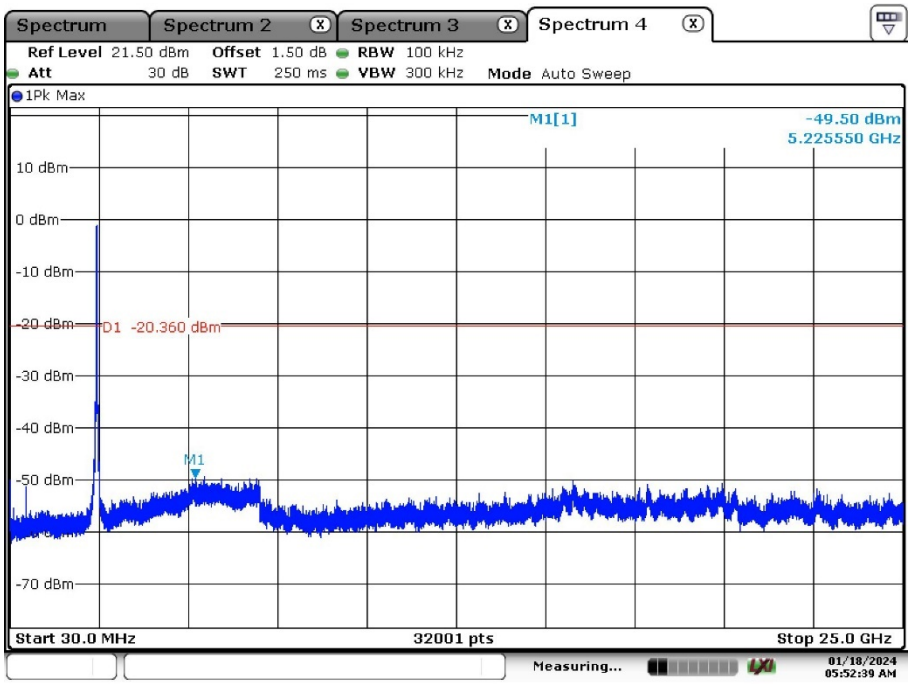


Date: 18.JAN.2024 05:51:07

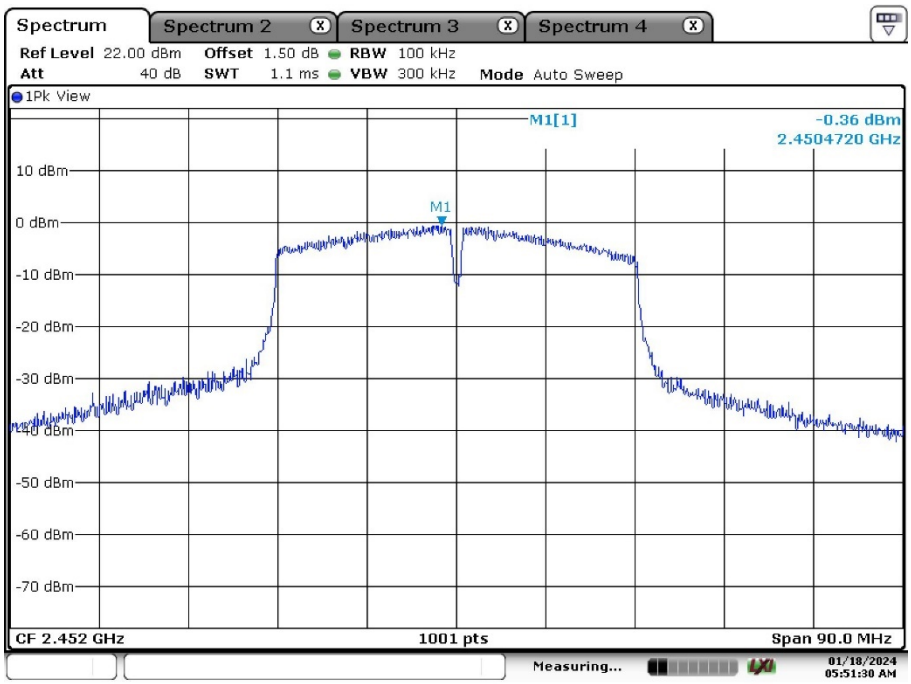


Date: 18.JAN.2024 05:50:21

High Channel:



Date: 18.JAN.2024 05:52:40



Date: 18.JAN.2024 05:51:31

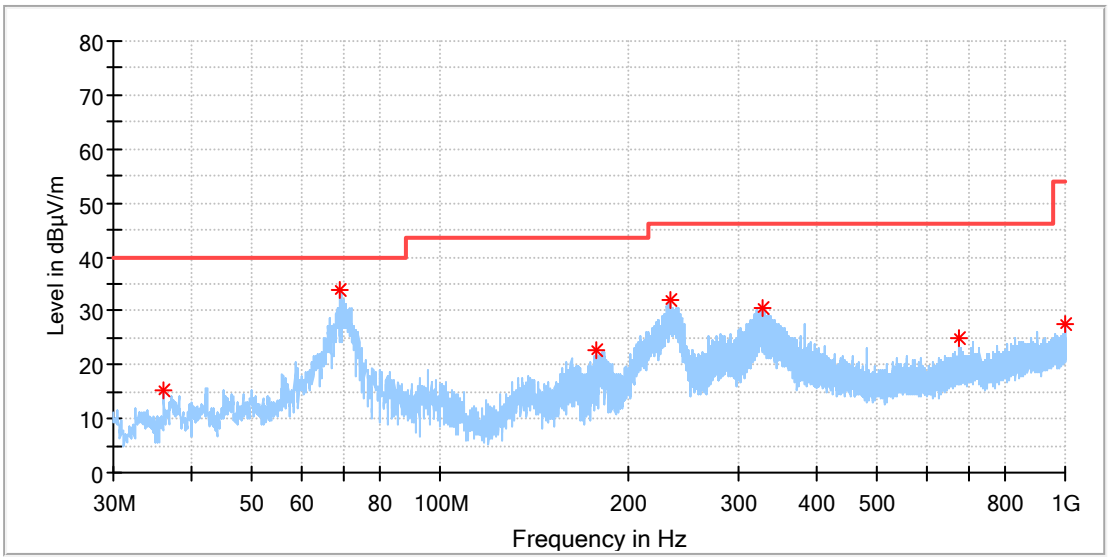
Appendix B.5: Test Results of Radiated Spurious Emissions

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

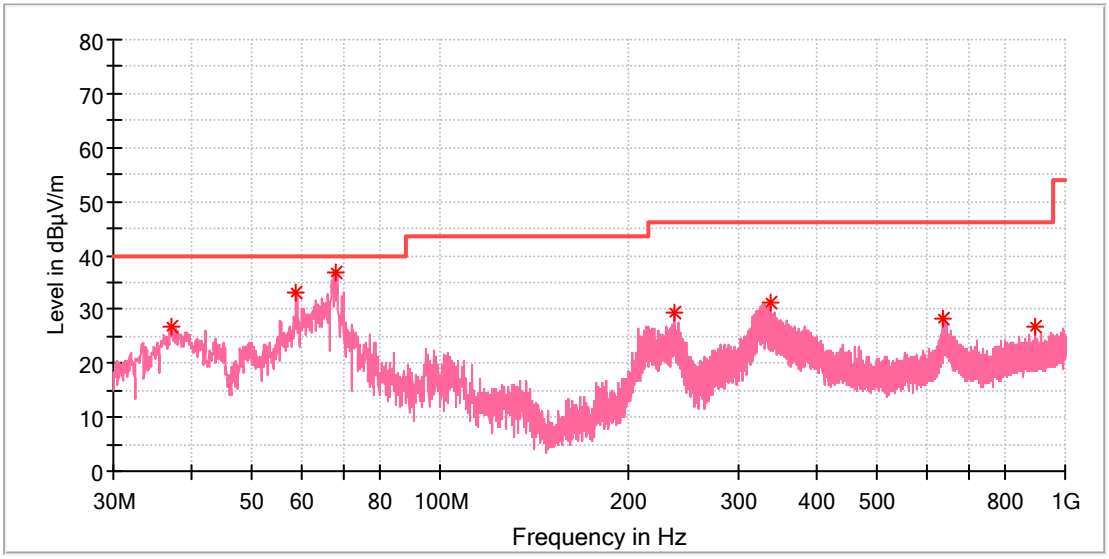
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
36.118462	15.34	40.00	24.66	100.0	H	232.0	-21.8
69.285000	33.81	40.00	6.19	100.0	H	232.0	-21.9
178.223462	22.54	43.50	20.96	100.0	H	7.0	-21.0
233.364231	32.04	46.00	13.96	100.0	H	275.0	-18.3
329.133077	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

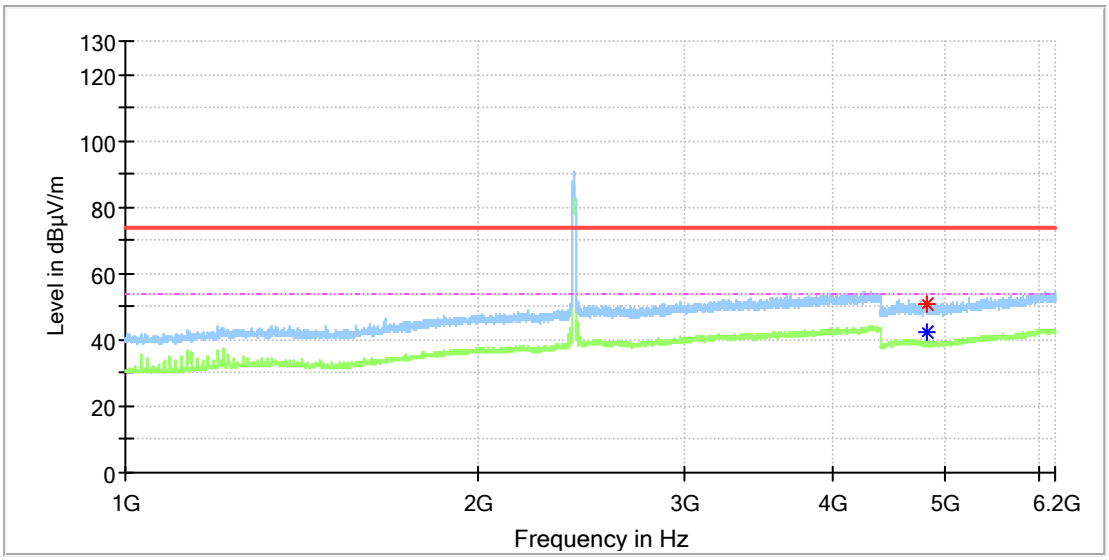
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

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

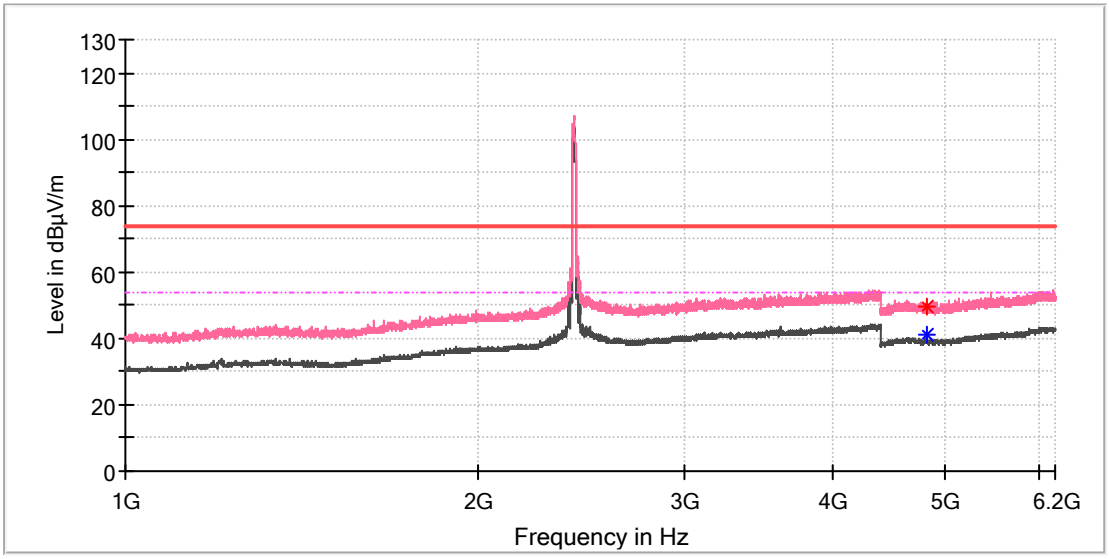
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4818.000000	50.56	---	74.00	23.44	150.0	H	0.0	11.8
4824.000000	---	42.16	54.00	11.84	150.0	H	306.0	11.8

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

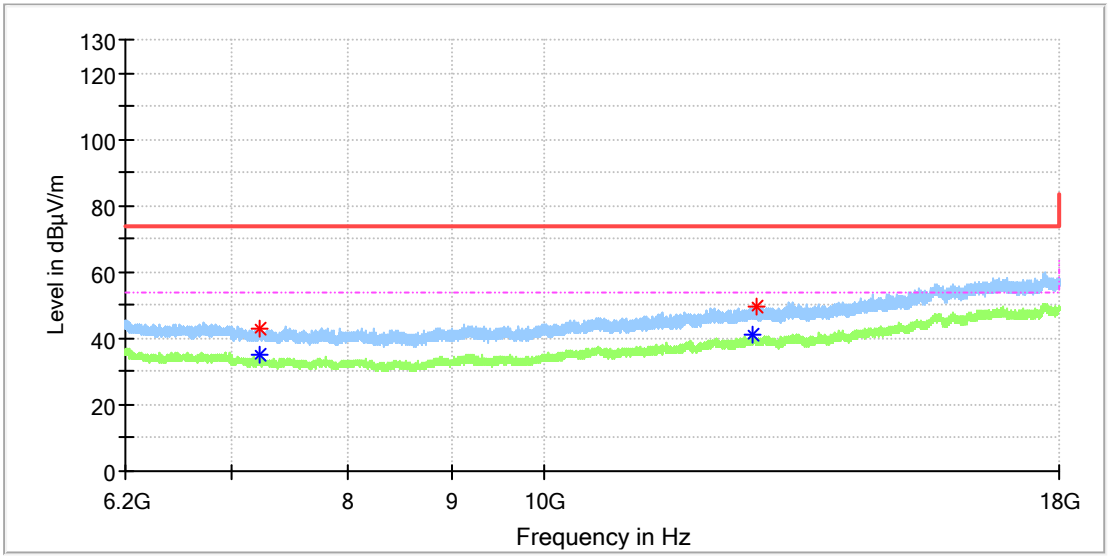
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4824.000000	---	41.28	54.00	12.72	150.0	V	273.0	11.8
4825.000000	49.80	---	74.00	24.20	150.0	V	171.0	11.8

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

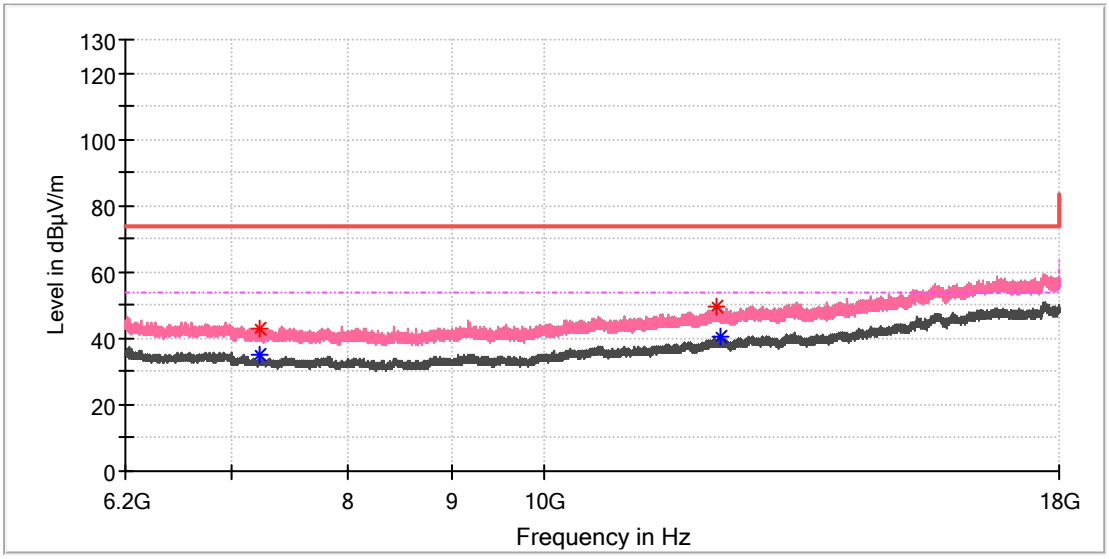
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7221.191667	---	34.92	54.00	19.08	150.0	H	34.0	8.7
7230.533333	42.75	---	74.00	31.25	150.0	H	58.0	8.6
12697.375000	---	40.86	54.00	13.14	150.0	H	58.0	15.1
12734.741667	49.53	---	74.00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

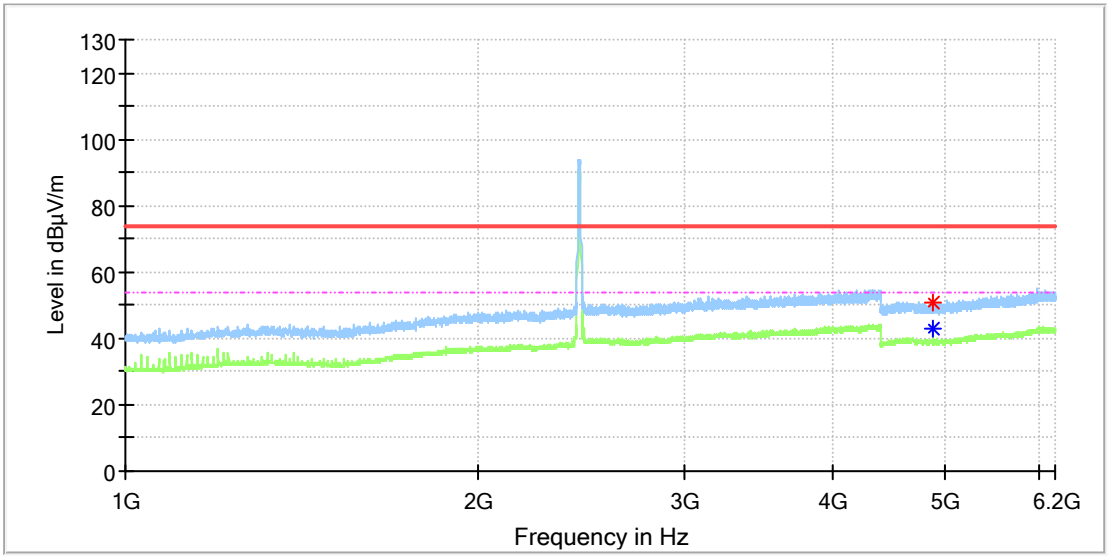
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7223.650000	---	34.87	54.00	19.13	150.0	V	84.0	8.7
7227.583333	43.15	---	74.00	30.85	150.0	V	311.0	8.7
12167.850000	49.55	---	74.00	24.45	150.0	V	0.0	14.5
12218.491667	---	40.39	54.00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

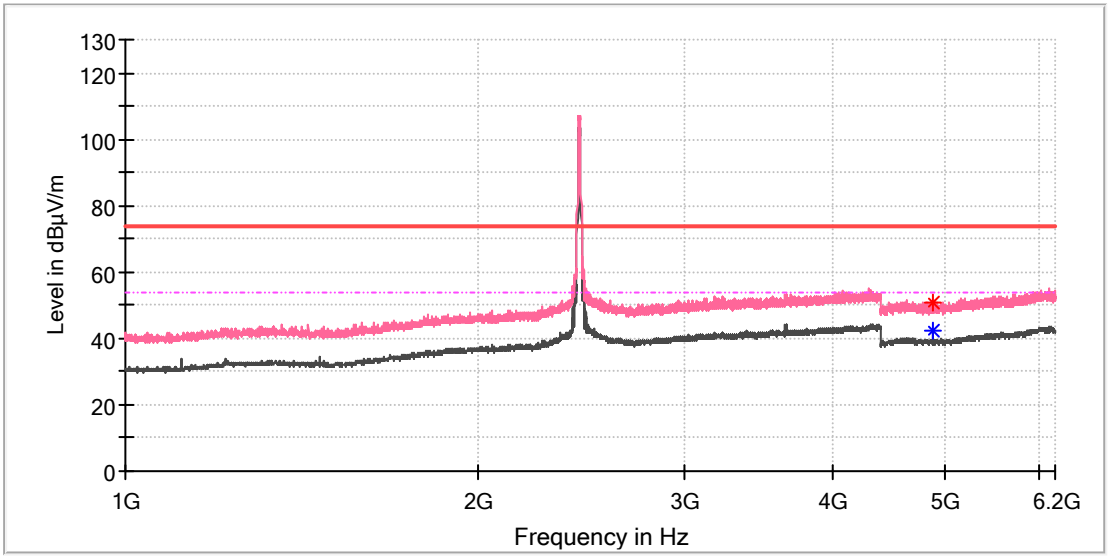
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4874.000000	---	42.94	54.00	11.06	150.0	H	305.0	11.8
4880.500000	50.49	---	74.00	23.51	150.0	H	192.0	11.8

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

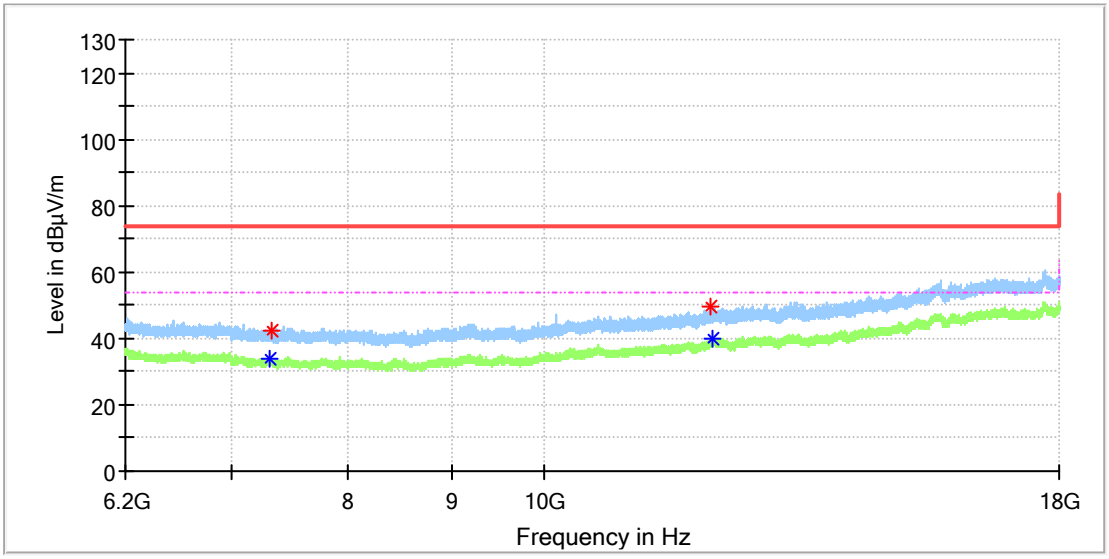
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4874.000000	50.51	---	74.00	23.49	150.0	V	212.0	11.8
4874.000000	---	42.18	54.00	11.82	150.0	V	212.0	11.8

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

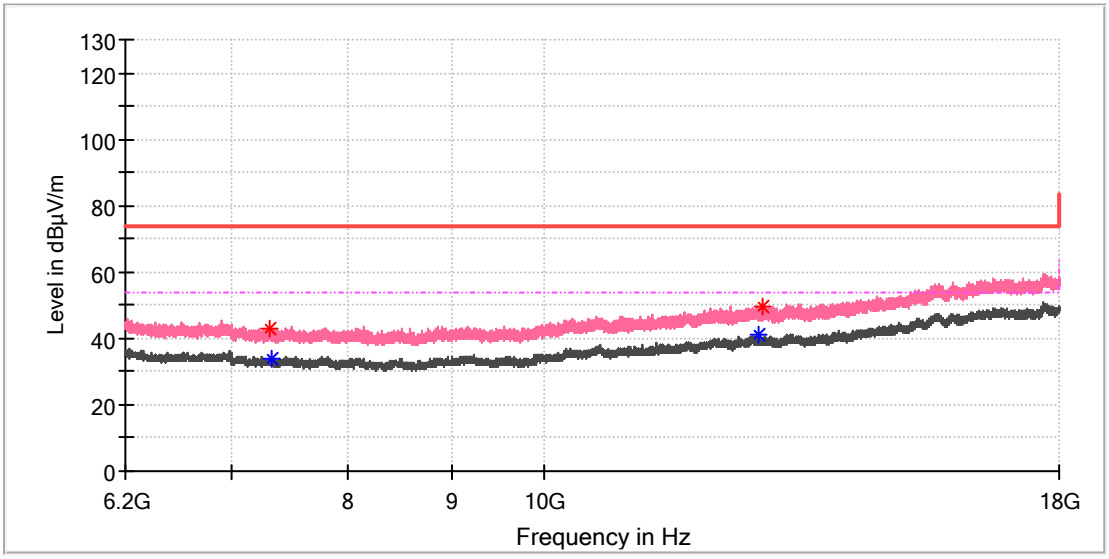
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7312.641667	---	33.86	54.00	20.14	150.0	H	320.0	8.2
7322.475000	42.32	---	74.00	31.68	150.0	H	0.0	8.2
12084.266667	49.34	---	74.00	24.66	150.0	H	293.0	14.1
12128.516667	---	40.05	54.00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

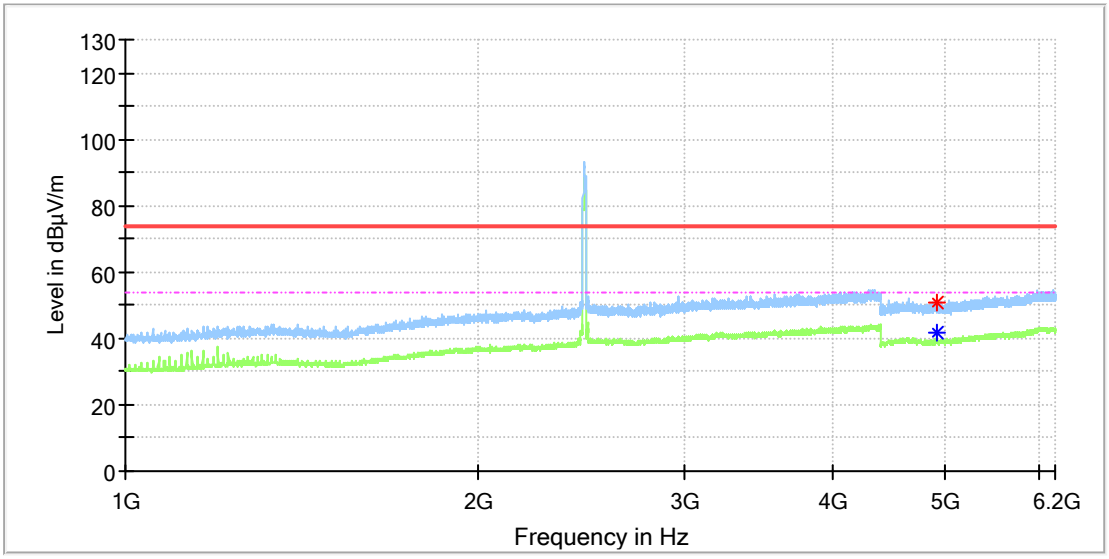
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7309.200000	42.95	---	74.00	31.05	150.0	V	76.0	8.2
7331.325000	---	33.80	54.00	20.20	150.0	V	162.0	8.1
12786.366667	---	40.95	54.00	13.05	150.0	V	162.0	15.3
12834.550000	49.62	---	74.00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

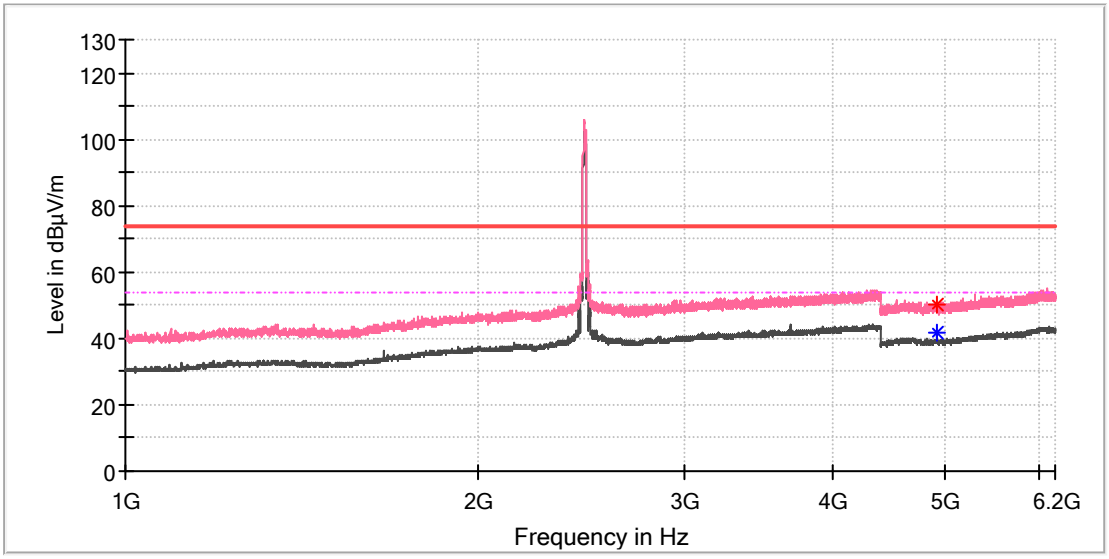
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4909.000000	50.63	---	74.00	23.37	150.0	H	159.0	11.8
4924.000000	---	41.84	54.00	12.16	150.0	H	298.0	11.8

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

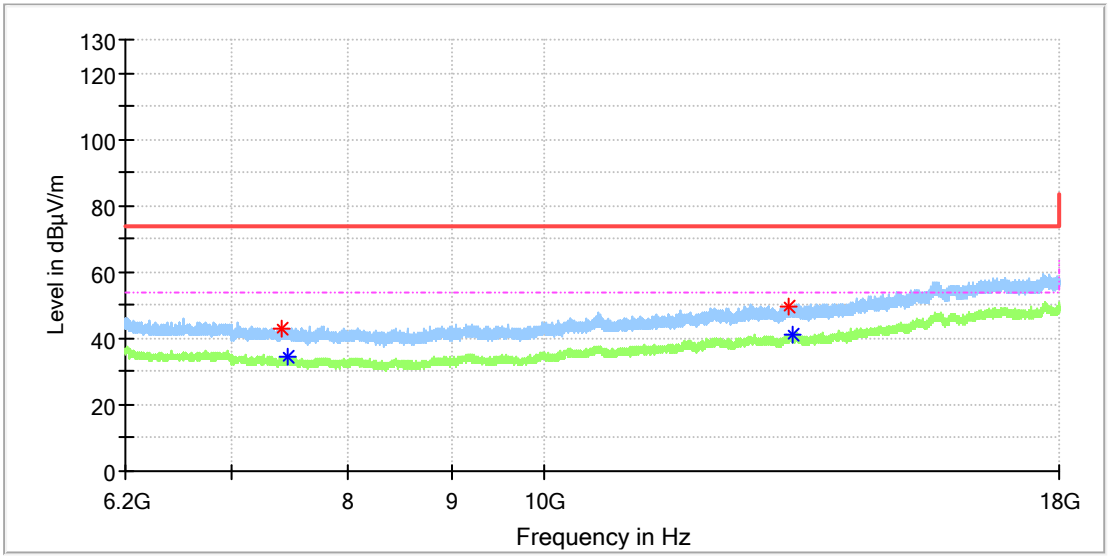
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4923.500000	50.44	---	74.00	23.56	150.0	V	218.0	11.8
4924.000000	---	41.67	54.00	12.33	150.0	V	218.0	11.8

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

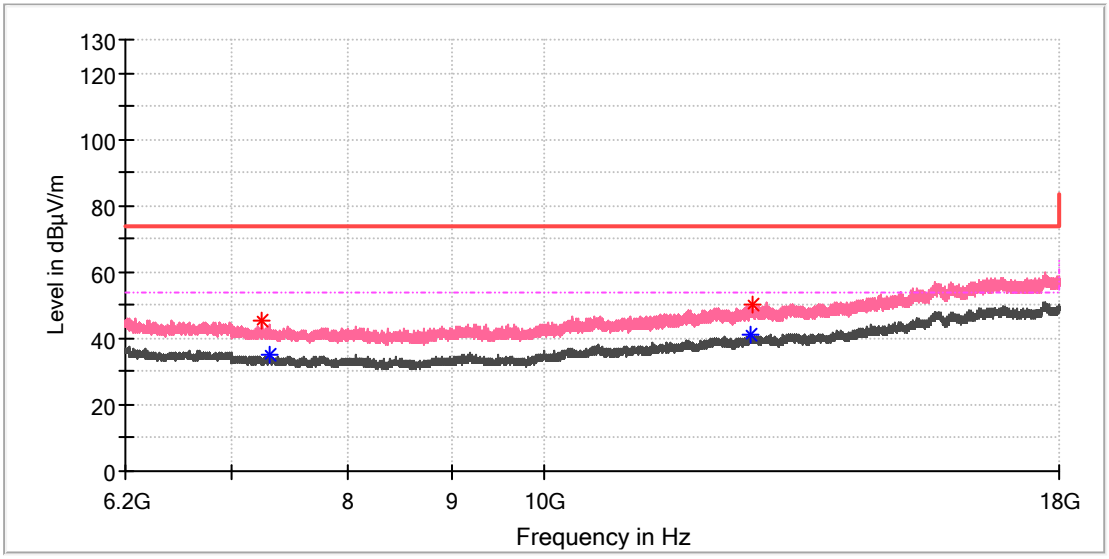
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7416.875000	43.03	---	74.00	30.97	150.0	H	334.0	8.3
7464.075000	---	34.25	54.00	19.75	150.0	H	356.0	8.6
13212.641667	49.81	---	74.00	24.19	150.0	H	95.0	15.5
13279.508333	---	41.32	54.00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

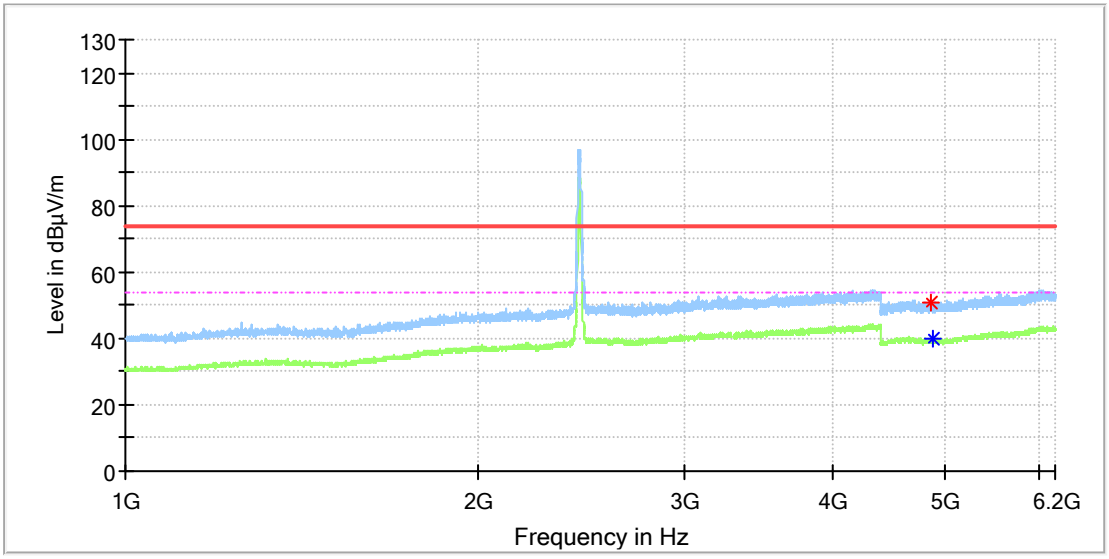
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7251.183333	45.26	---	74.00	28.74	150.0	V	169.0	8.5
7303.300000	---	35.17	54.00	18.83	150.0	V	145.0	8.3
12669.350000	---	40.98	54.00	13.02	150.0	V	62.0	15.1
12694.425000	50.05	---	74.00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

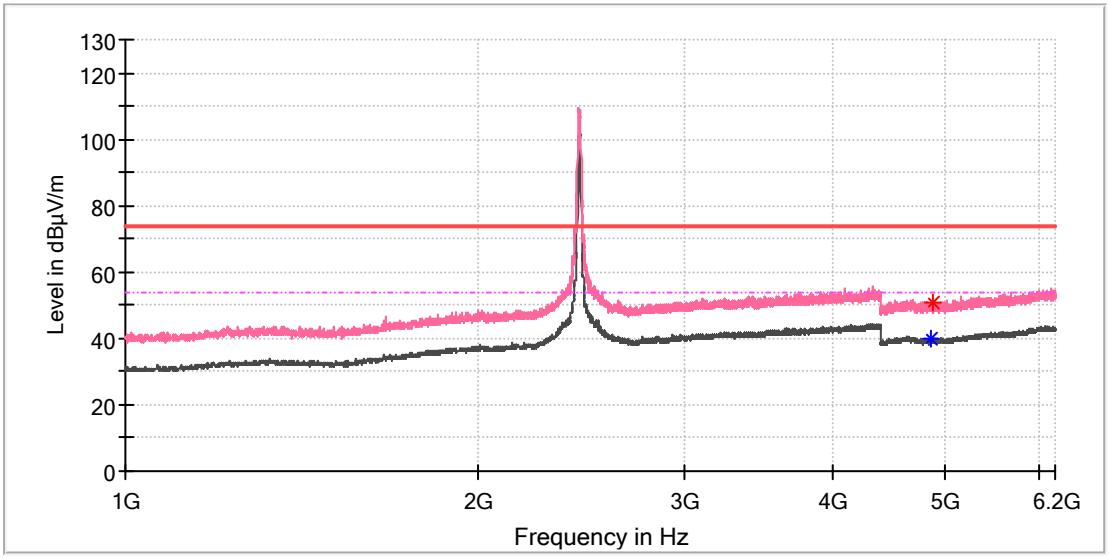
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4866.500000	50.99	---	74.00	23.01	150.0	H	34.0	11.8
4870.000000	---	40.12	54.00	13.88	150.0	H	201.0	11.8

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

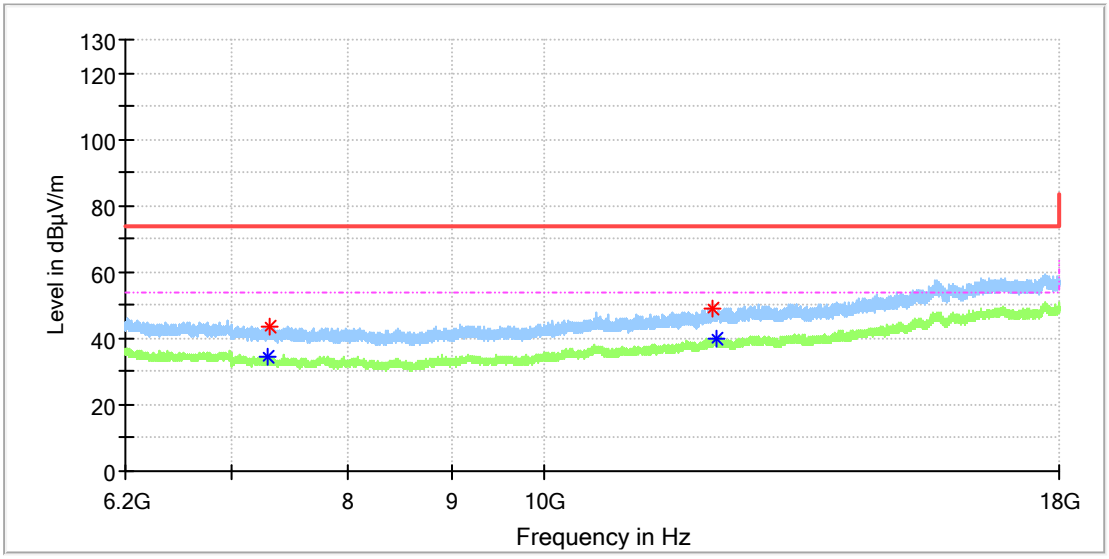
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4856.500000	---	39.79	54.00	14.21	150.0	V	230.0	11.8
4876.000000	51.01	---	74.00	22.99	150.0	V	218.0	11.8

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)
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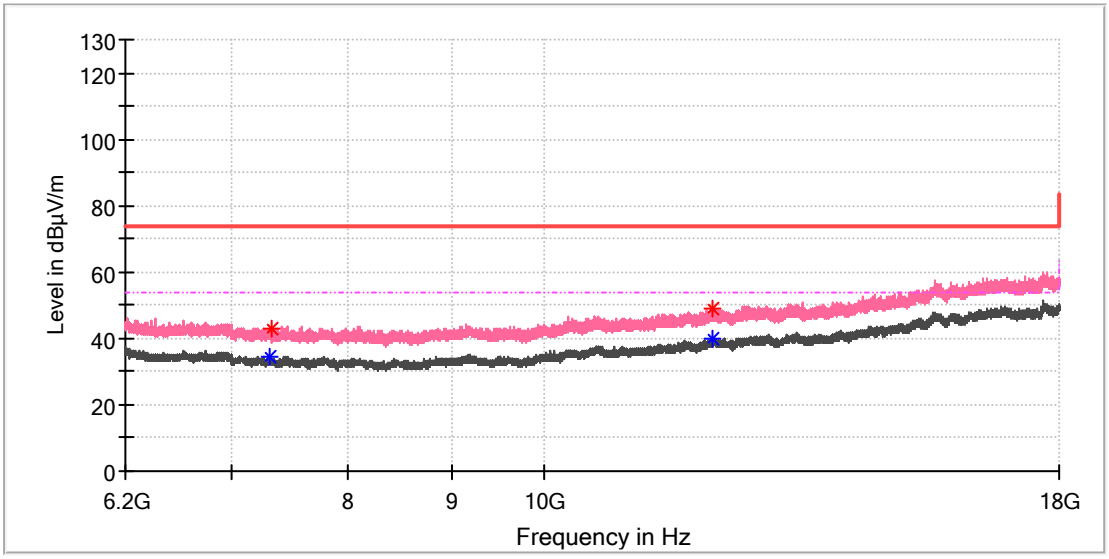
EUT Information

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)
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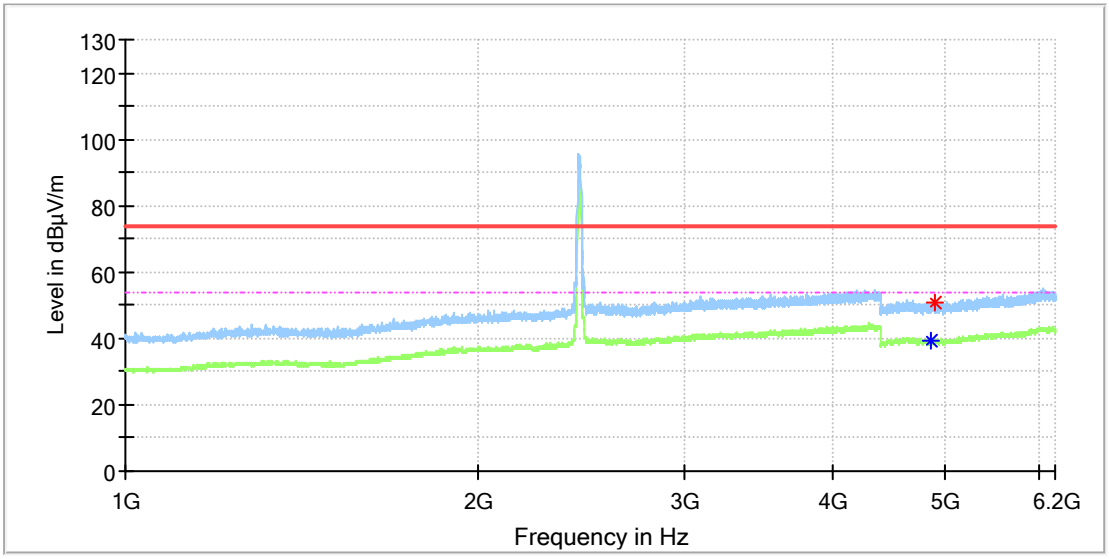
EUT Information

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

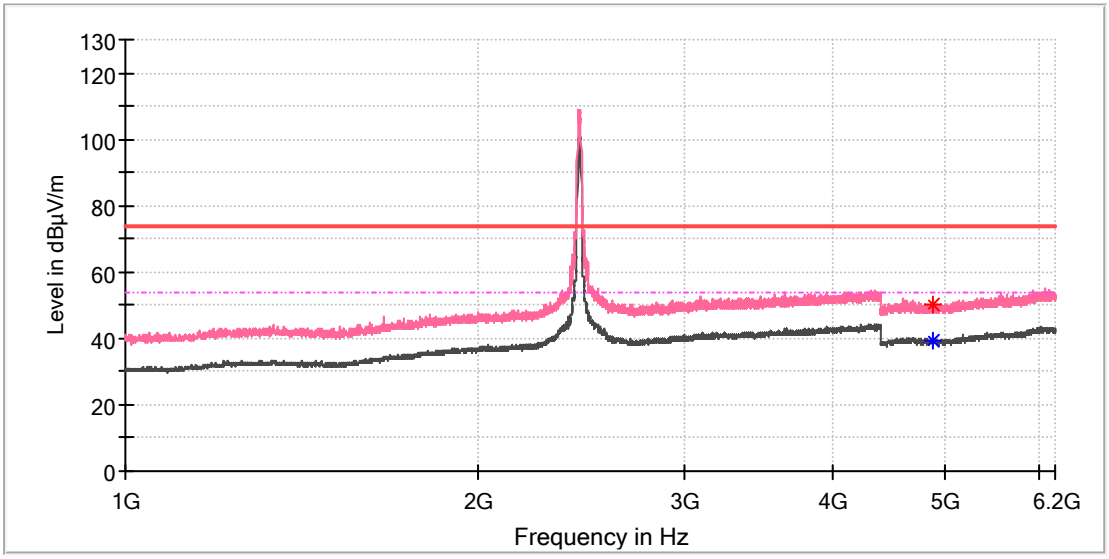
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4863.500000	---	39.48	54.00	14.52	150.0	H	94.0	11.8
4905.000000	51.07	---	74.00	22.93	150.0	H	321.0	11.8

Final_Result

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

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

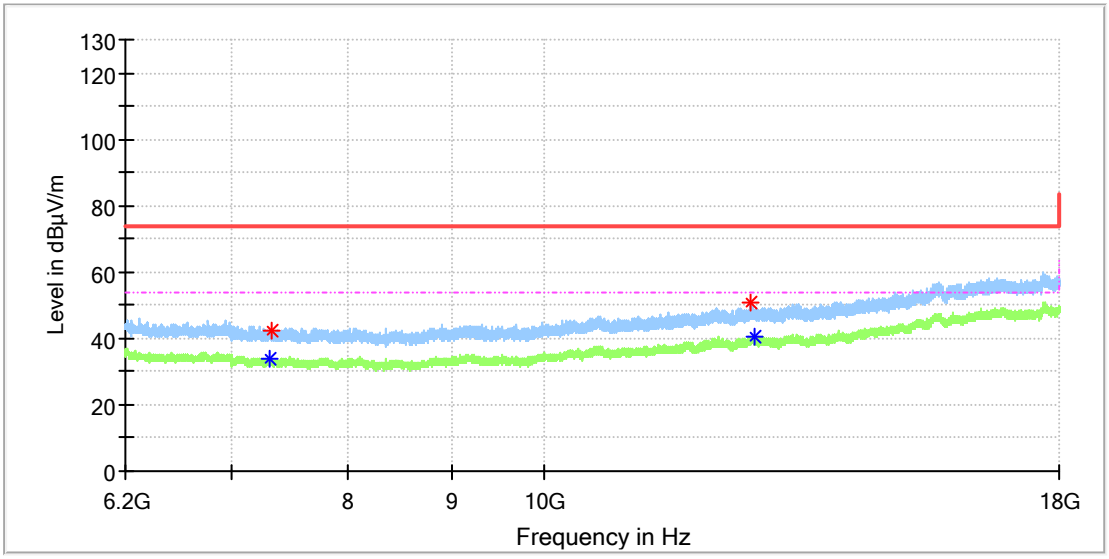
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4869.500000	---	39.45	54.00	14.55	150.0	V	348.0	11.8
4871.500000	50.19	---	74.00	23.81	150.0	V	249.0	11.8

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

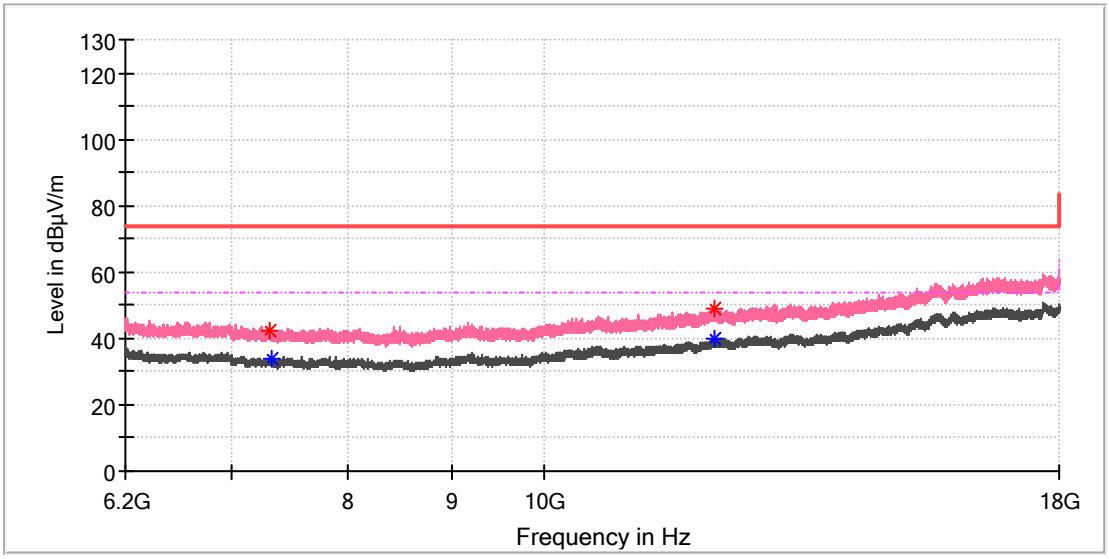
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7303.300000	---	33.99	54.00	20.01	150.0	H	262.0	8.3
7329.850000	42.29	---	74.00	31.71	150.0	H	248.0	8.1
12652.633333	50.51	---	74.00	23.49	150.0	H	0.0	15.0
12710.650000	---	40.48	54.00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

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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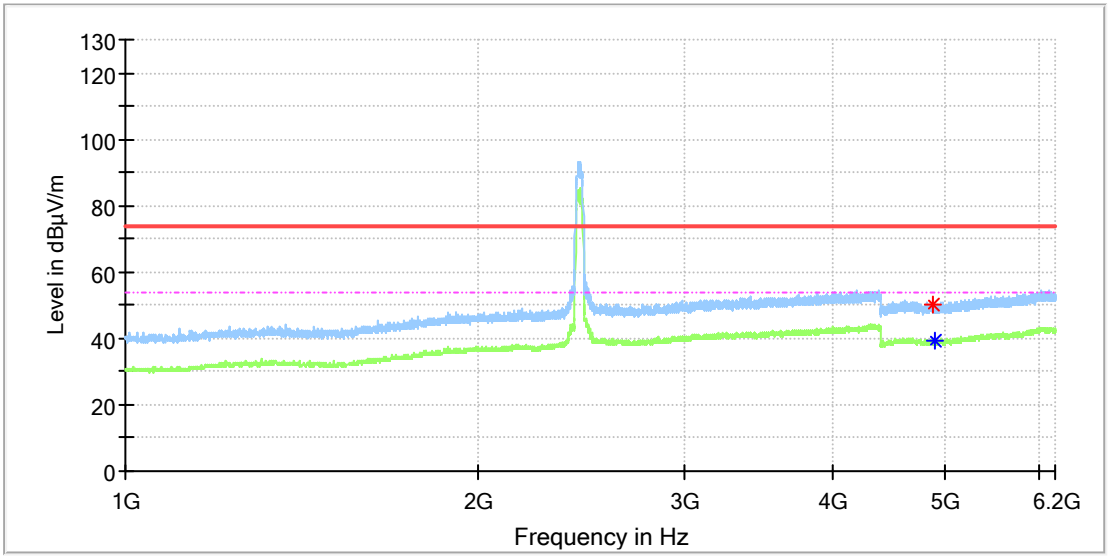
EUT Information

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

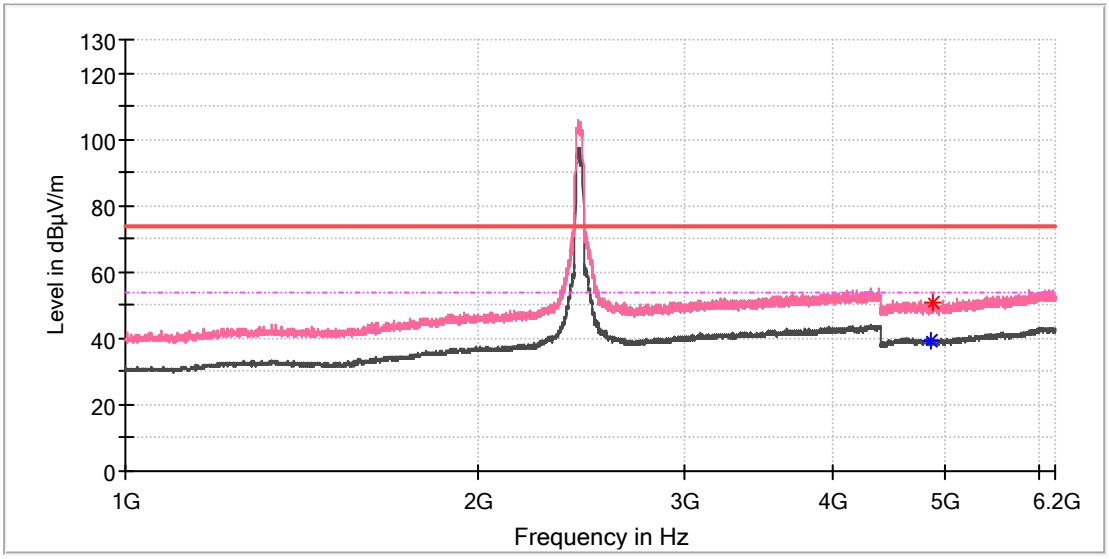
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4881.500000	50.07	---	74.00	23.93	150.0	H	224.0	11.8
4897.500000	---	39.48	54.00	14.52	150.0	H	157.0	11.8

Final_Result

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

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

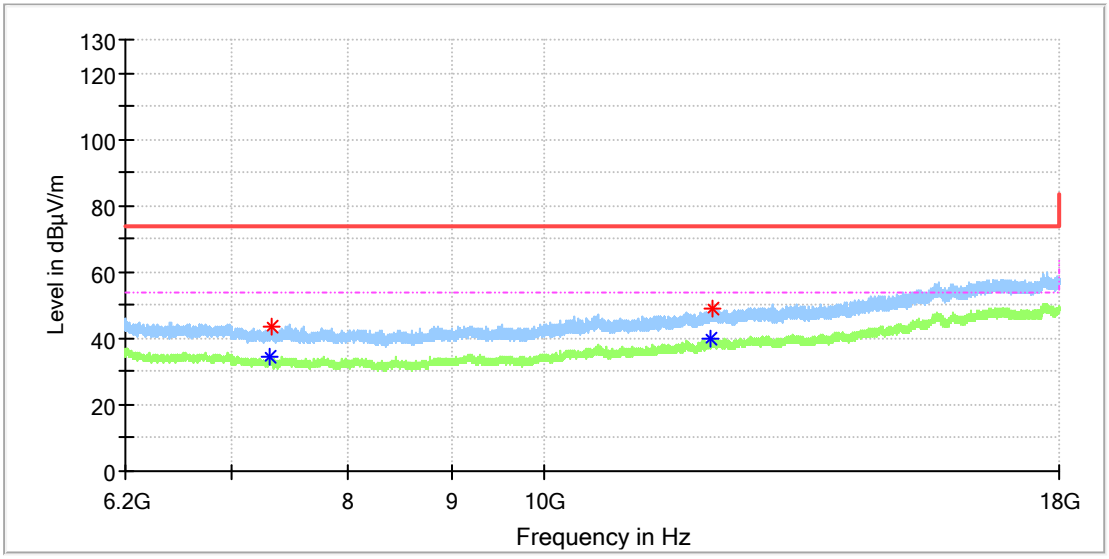
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4860.500000	---	39.47	54.00	14.53	150.0	V	201.0	11.8
4869.000000	50.61	---	74.00	23.39	150.0	V	312.0	11.8

Final_Result

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

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

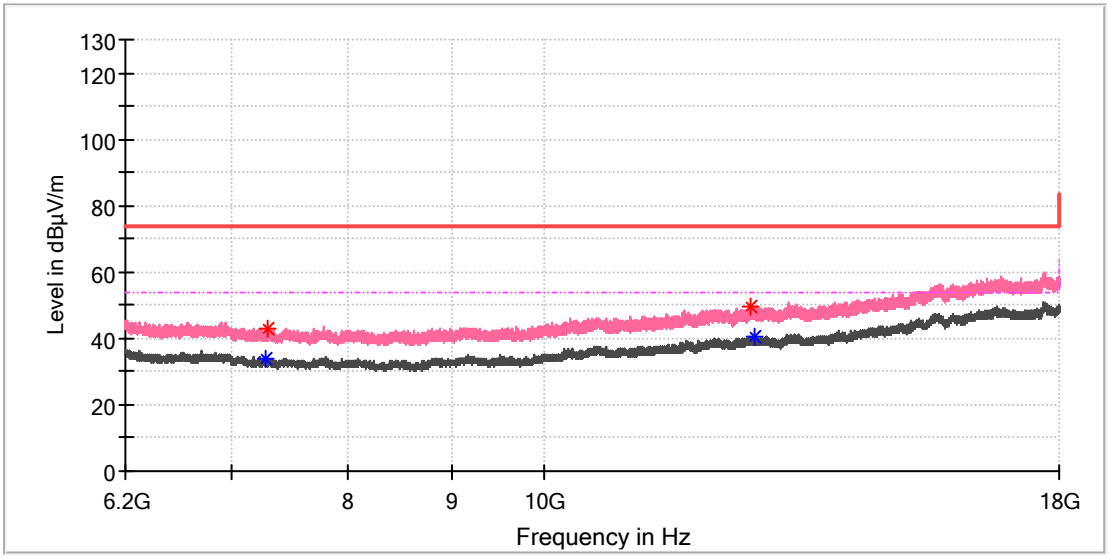
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7310.183333	---	34.23	54.00	19.77	150.0	H	174.0	8.2
7325.916667	43.29	---	74.00	30.71	150.0	H	174.0	8.2
12103.441667	---	39.72	54.00	14.28	150.0	H	68.0	14.2
12122.125000	49.12	---	74.00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

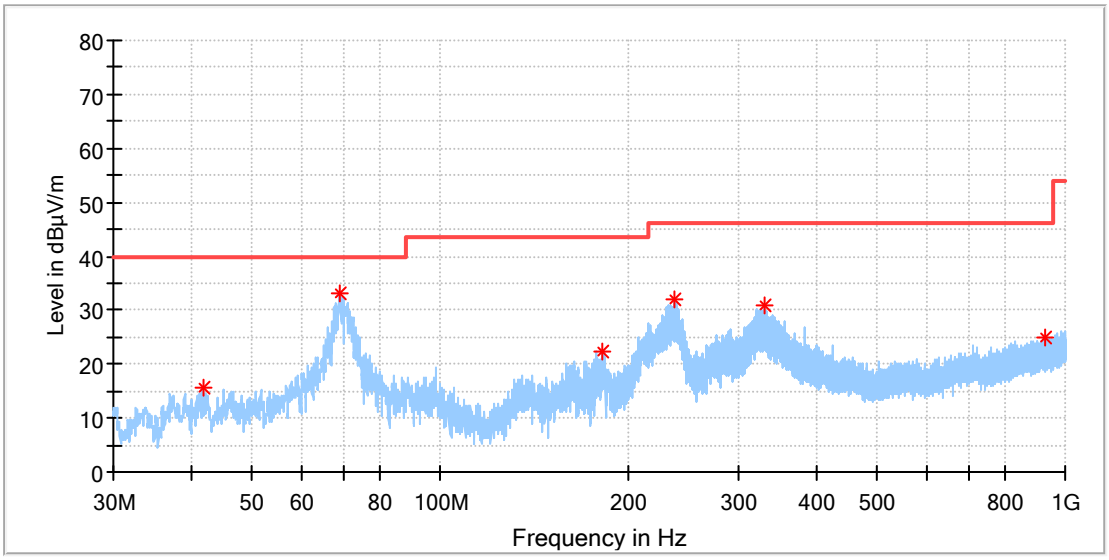
Final_Result

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

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

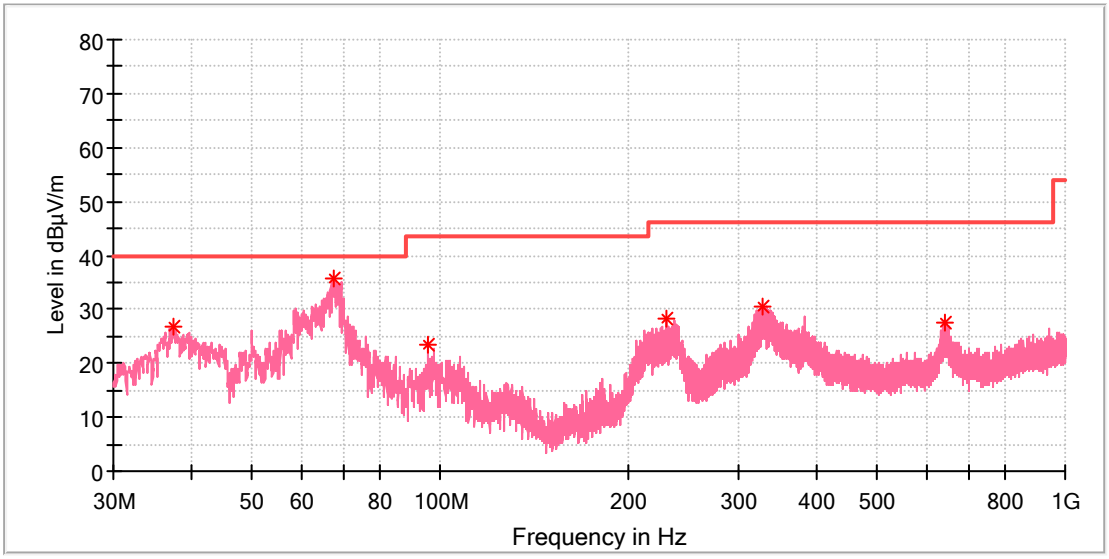
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
41.677308	15.80	40.00	24.20	100.0	H	8.0	-20.0
69.210385	33.09	40.00	6.91	100.0	H	211.0	-21.9
182.066154	22.36	43.50	21.14	100.0	H	2.0	-20.6
236.311539	32.12	46.00	13.88	100.0	H	282.0	-18.2
330.065769	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)
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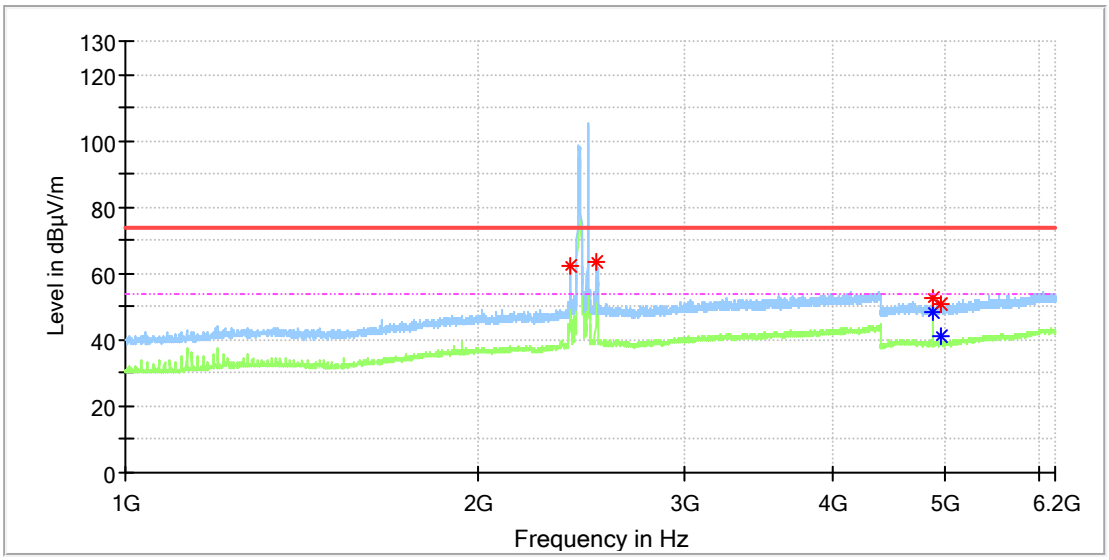
1GHz - 18GHz for co-location

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

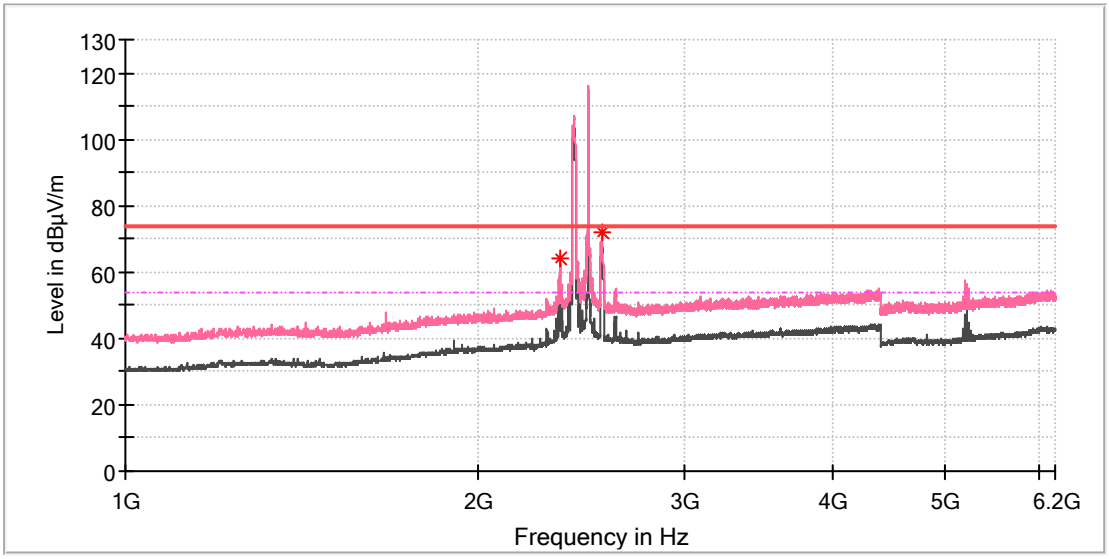
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2394.000000	62.35	---	74.00	11.65	150.0	H	62.0	7.0
2522.000000	63.78	---	74.00	10.22	150.0	H	227.0	7.5
4874.000000	52.85	---	74.00	21.15	150.0	H	304.0	11.8
4874.000000	---	48.34	54.00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

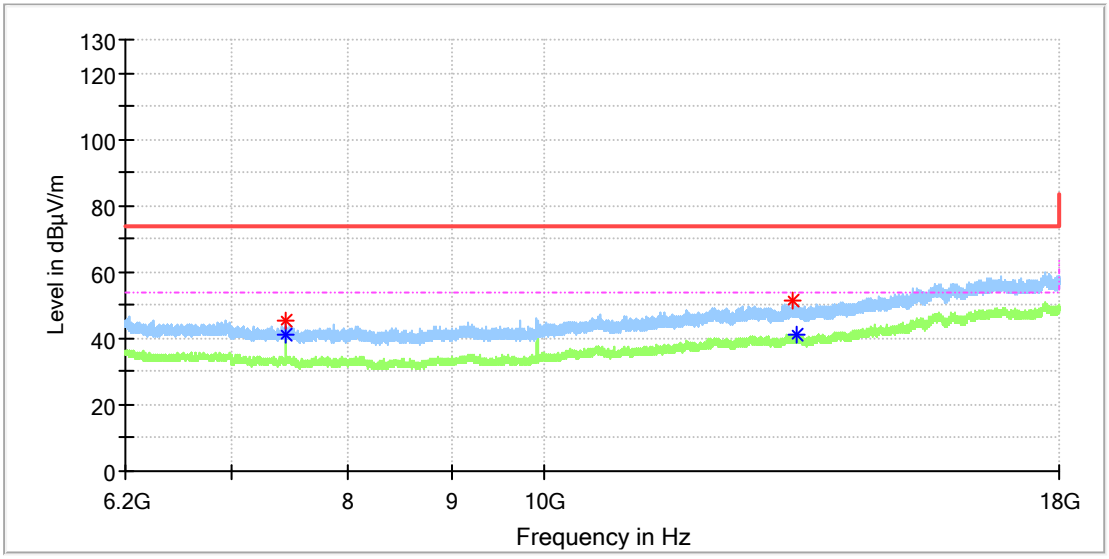
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2343.500000	63.92	---	74.00	10.08	150.0	V	47.0	6.9
2549.000000	70.67	---	74.00	3.33	150.0	V	346.0	7.6

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

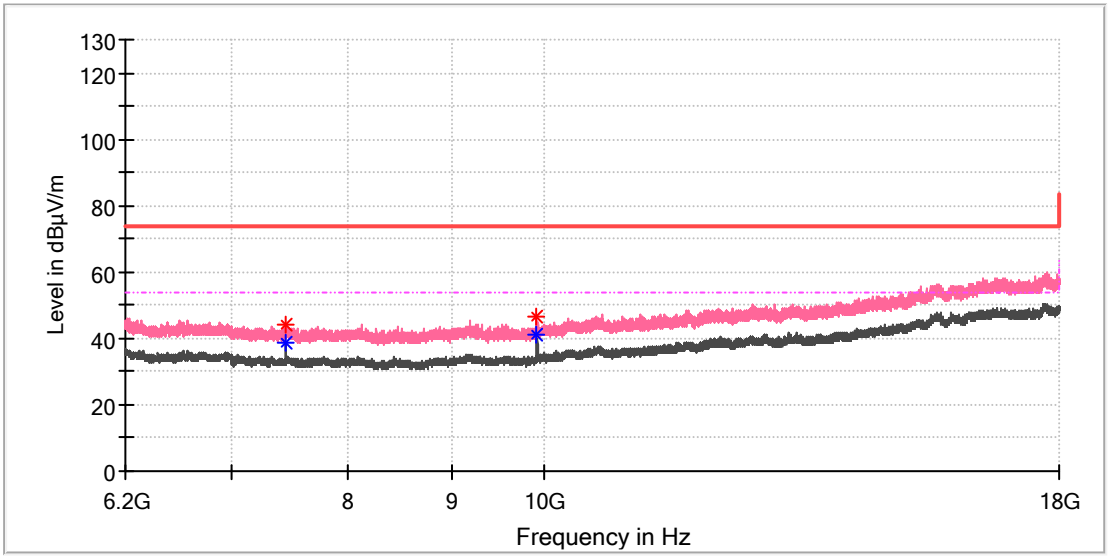
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7439.983333	---	40.98	54.00	13.02	150.0	H	263.0	8.4
7440.475000	45.44	---	74.00	28.56	150.0	H	115.0	8.4
13282.458333	51.30	---	74.00	22.70	150.0	H	151.0	15.5
13344.408333	---	41.34	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)
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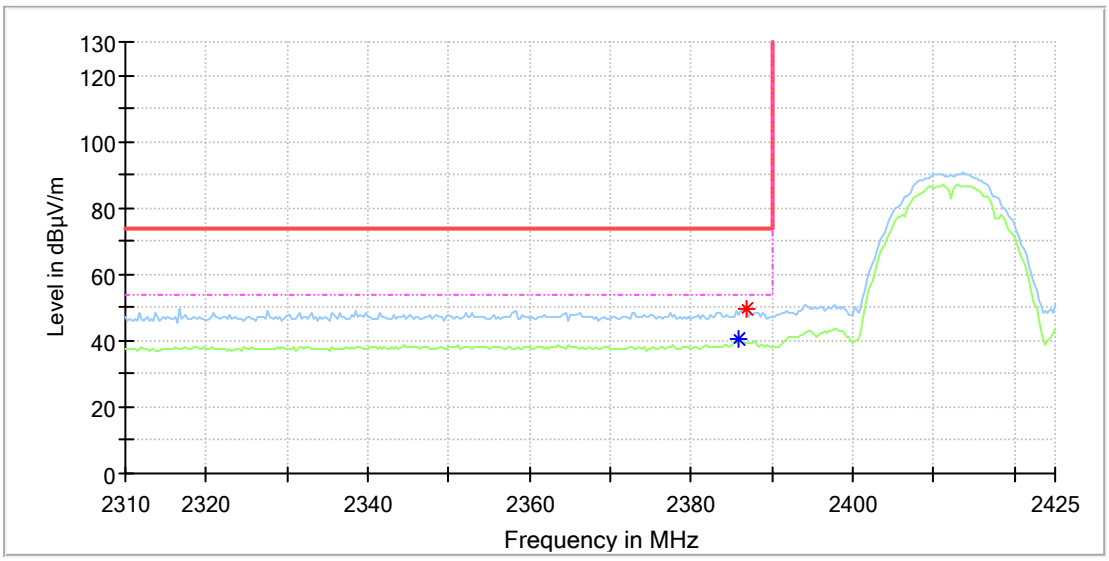
Appendix B.6: Test Results of Radiated Emissions in Restricted Bands

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

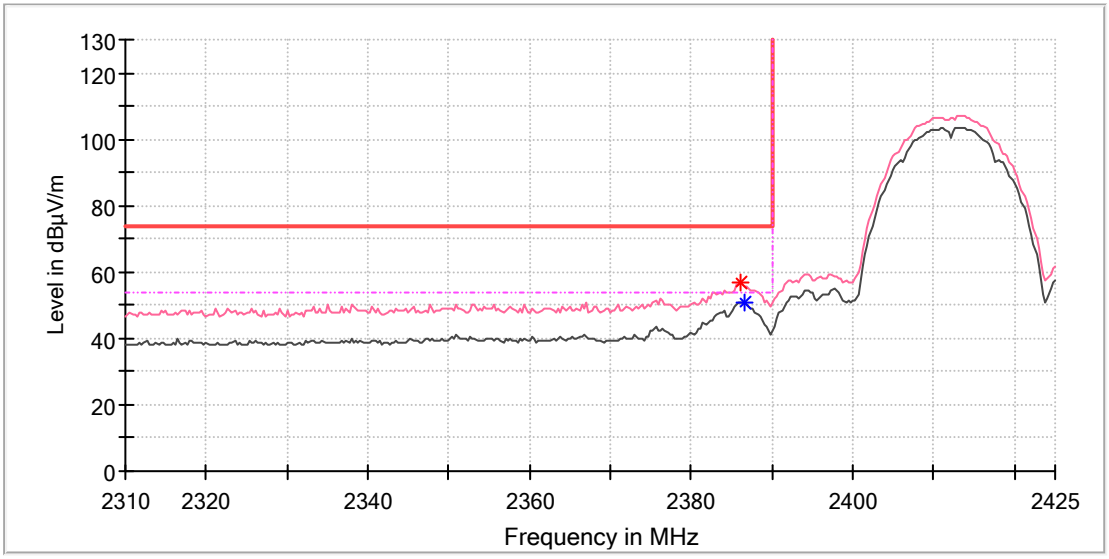
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2385.882353	---	40.48	54.00	13.52	150.0	H	86.0	7.0
2386.764706	49.53	---	74.00	24.47	150.0	H	71.0	7.0

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

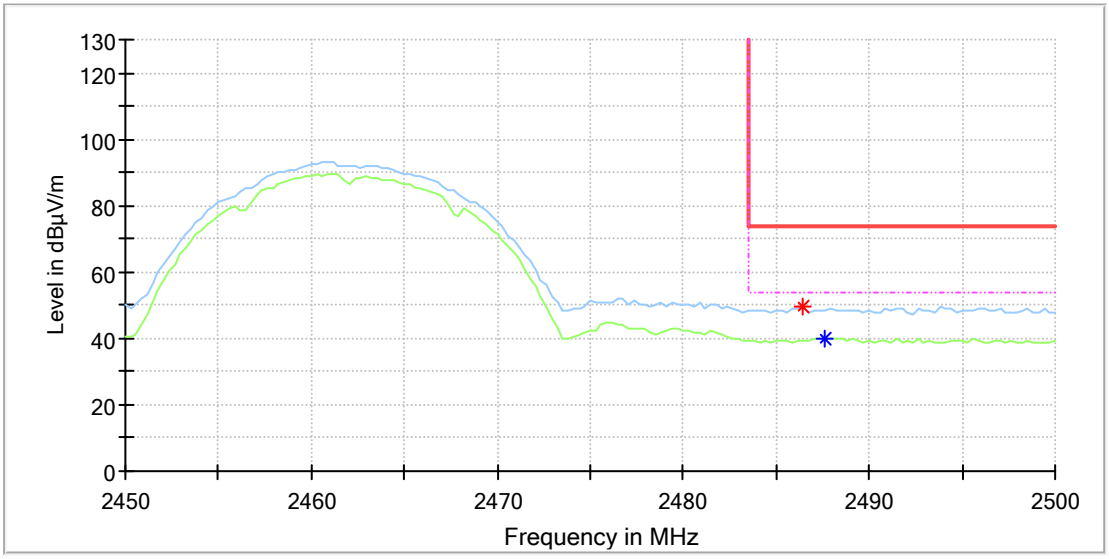
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2386.176471	57.12	---	74.00	16.88	150.0	V	56.0	7.0
2386.470588	---	50.92	54.00	3.08	150.0	V	43.0	7.0

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

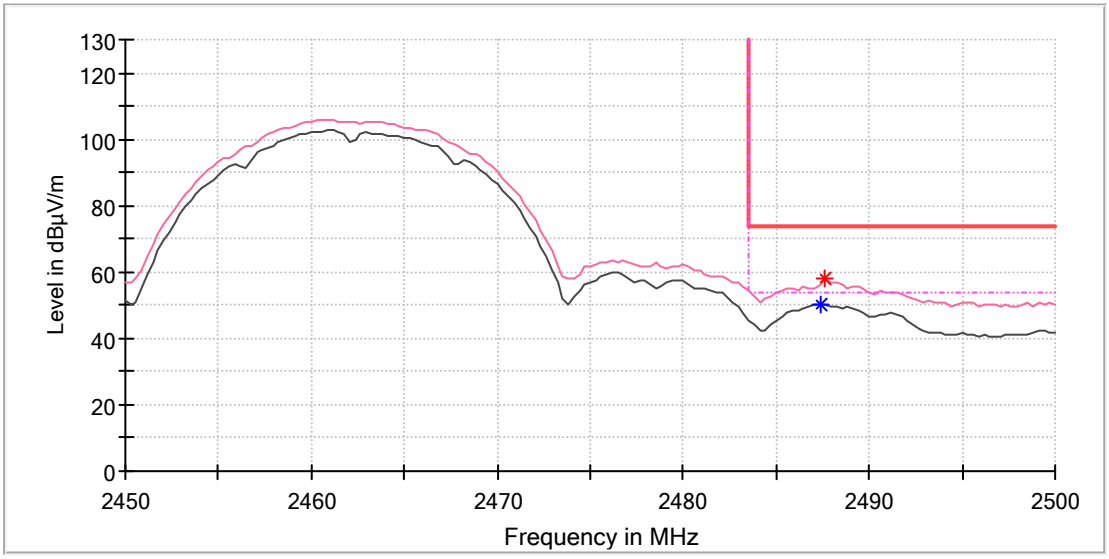
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2486.470588	49.58	---	74.00	24.42	150.0	H	64.0	7.4
2487.647059	---	40.18	54.00	13.82	150.0	H	188.0	7.4

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

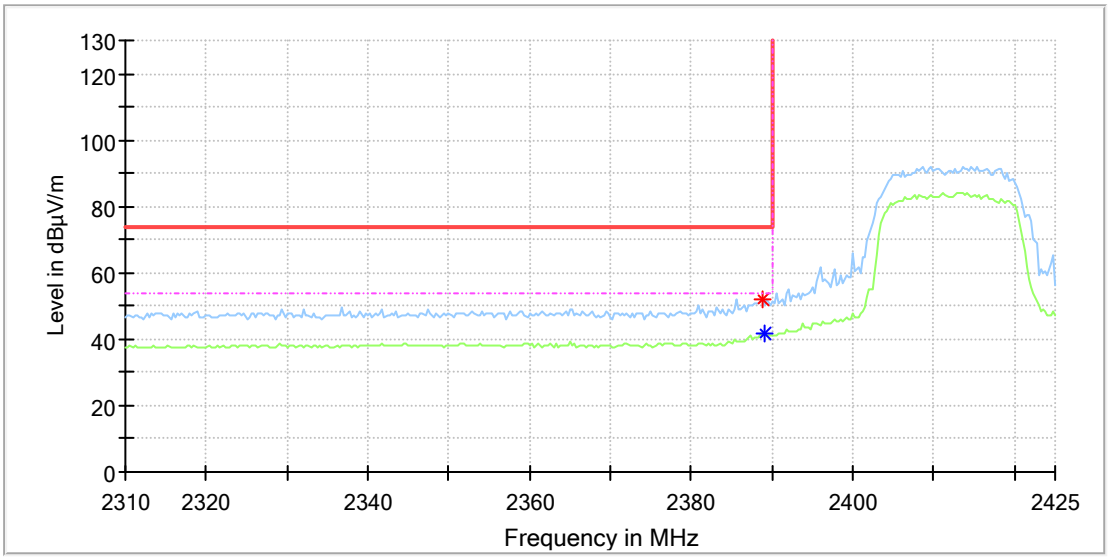
Final_Result

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

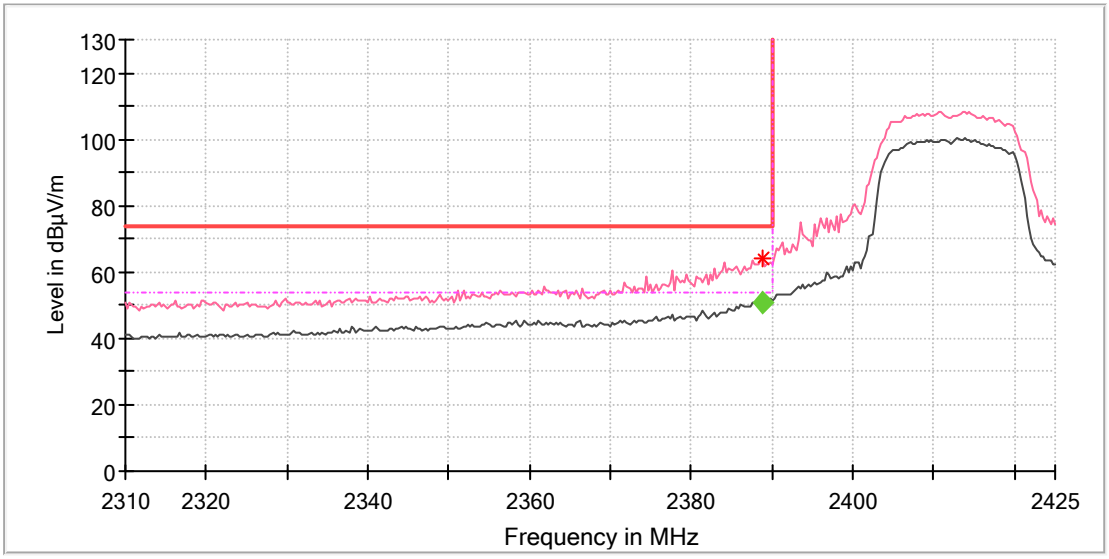
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.823529	51.84	---	74.00	22.16	150.0	H	336.0	7.0
2389.117647	---	41.94	54.00	12.06	150.0	H	336.0	7.0

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

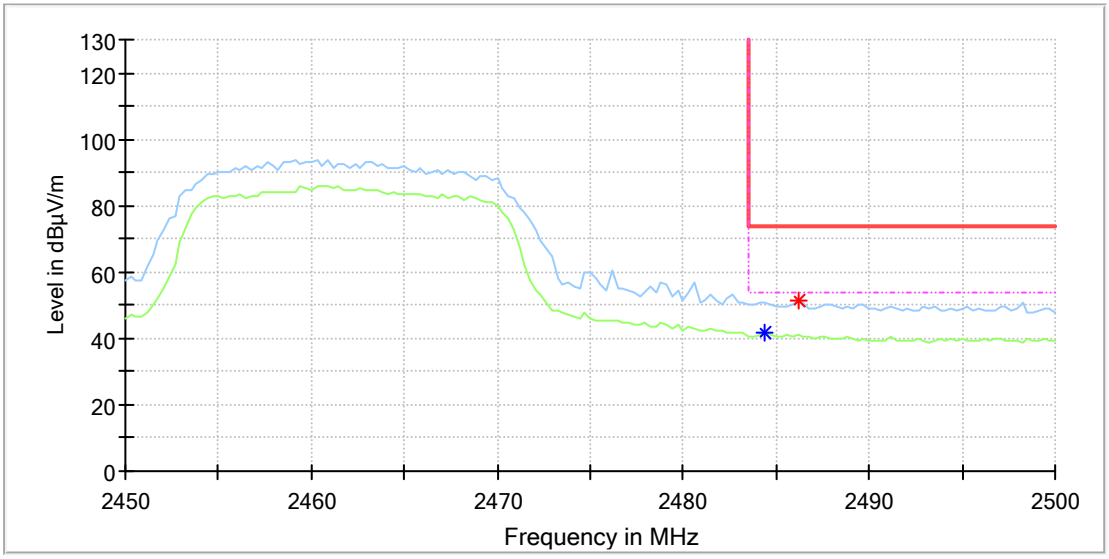
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.823529	64.03	---	74.00	9.97	150.0	V	173.0	7.0

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

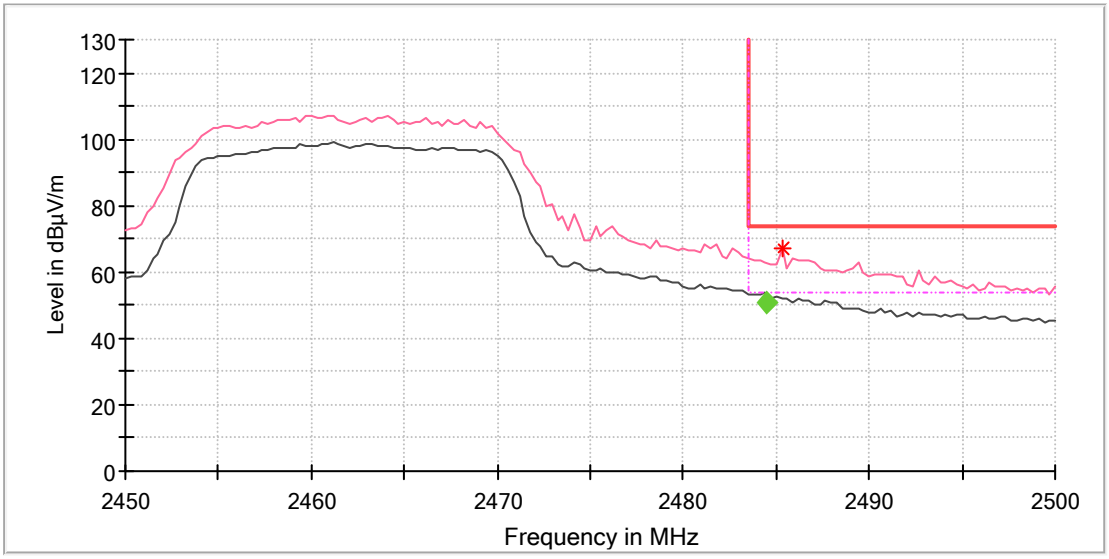
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.411765	---	41.56	54.00	12.44	150.0	H	280.0	7.4
2486.176471	51.49	---	74.00	22.51	150.0	H	54.0	7.4

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

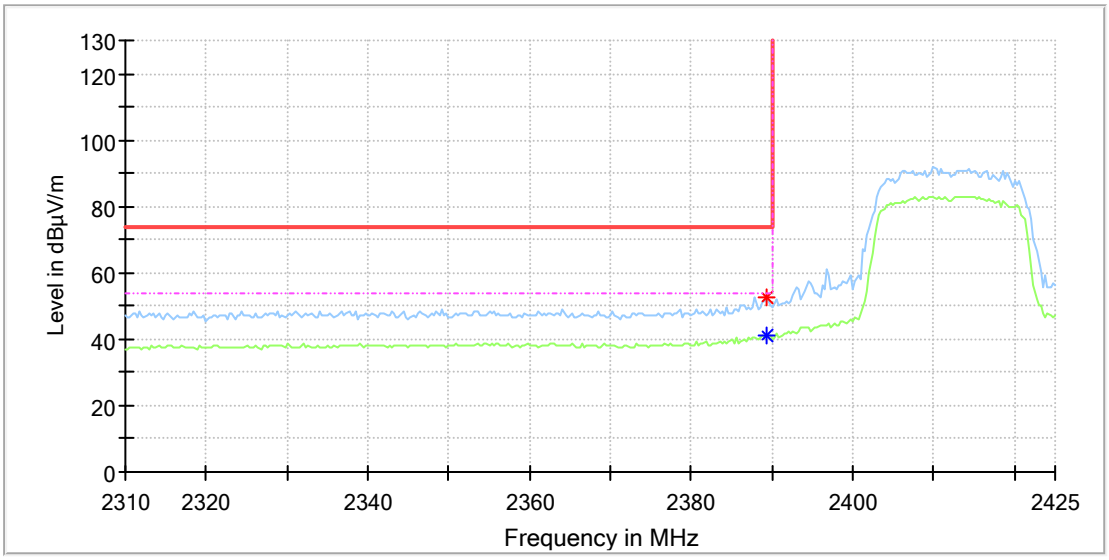
Final_Result

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

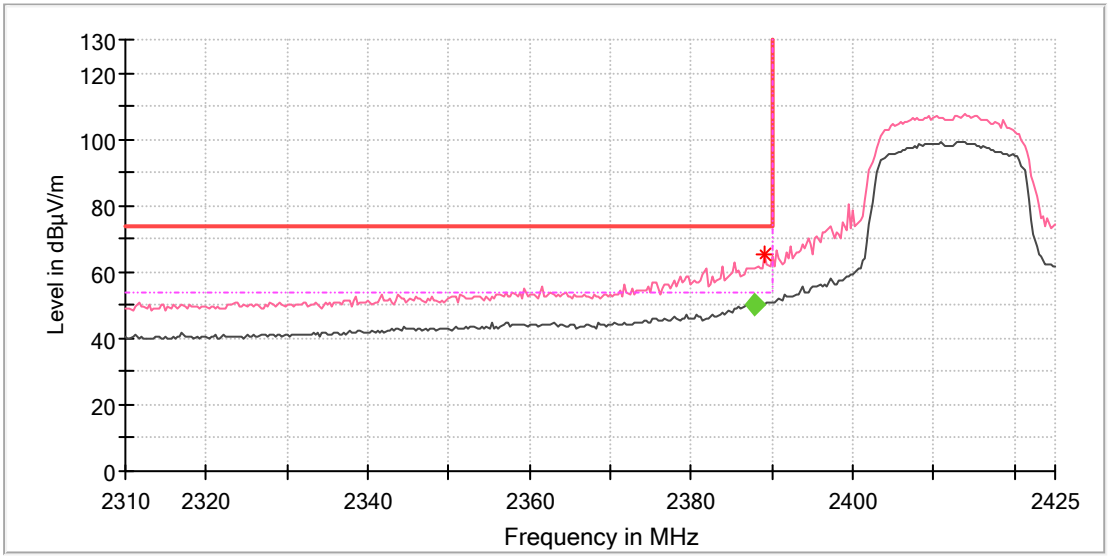
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.411765	52.73	---	74.00	21.27	150.0	H	239.0	7.0
2389.411765	---	41.16	54.00	12.84	150.0	H	239.0	7.0

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

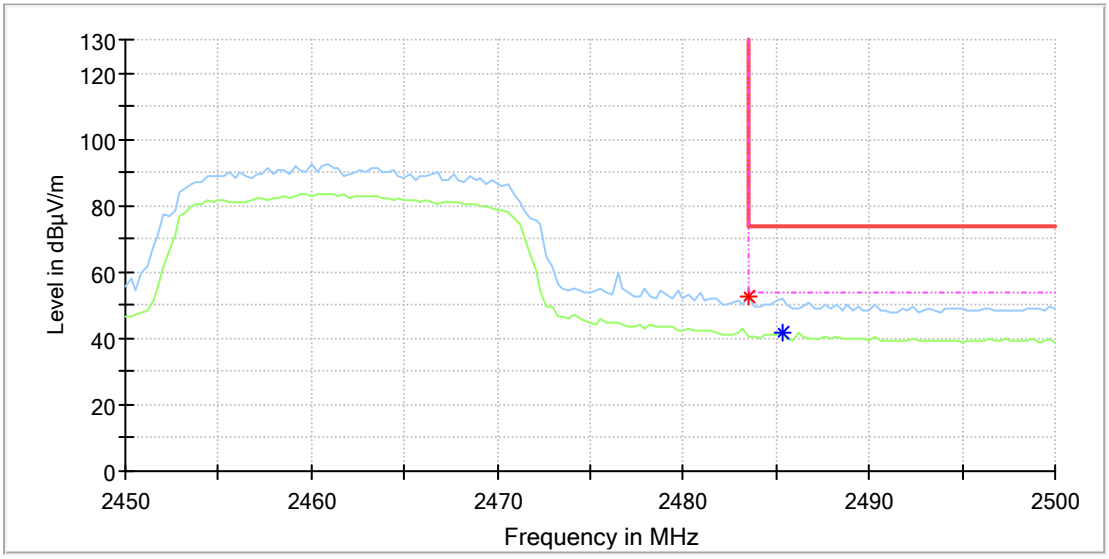
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.117647	65.10	---	74.00	8.90	150.0	V	48.0	7.0

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

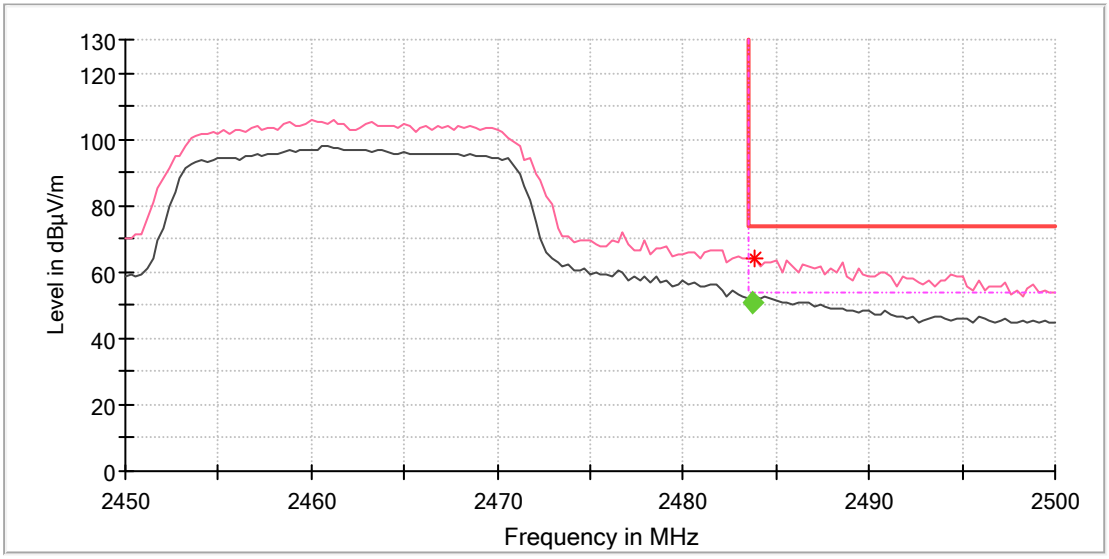
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.529412	52.31	---	74.00	21.69	150.0	H	182.0	7.4
2485.294118	---	41.77	54.00	12.23	150.0	H	336.0	7.4

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

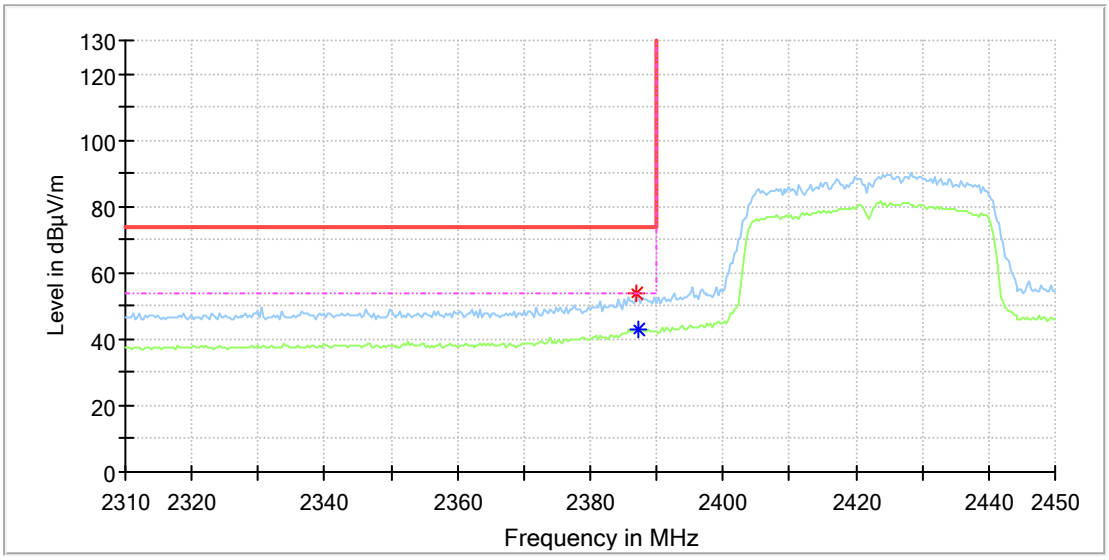
Final_Result

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)
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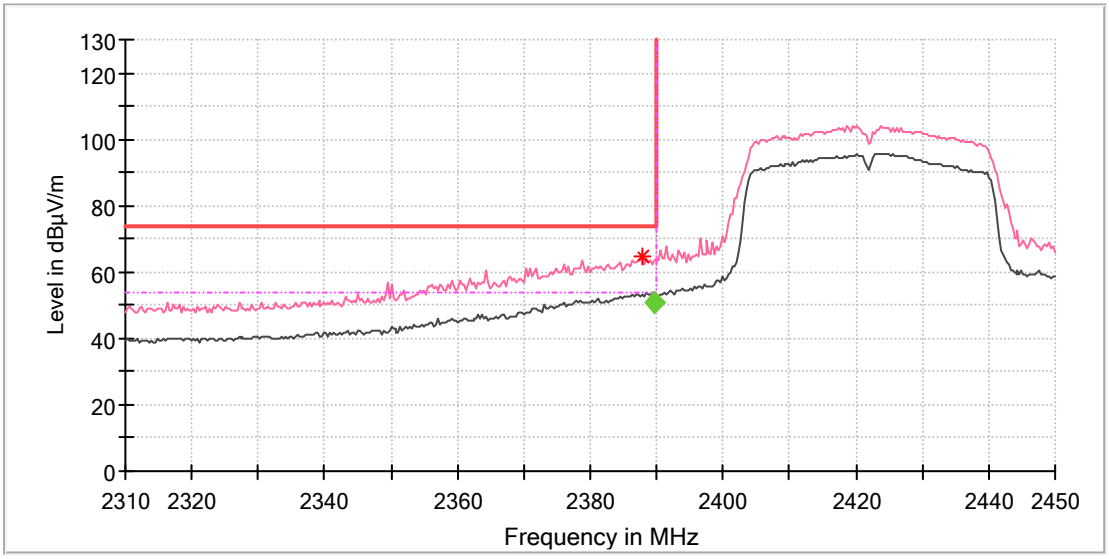
EUT Information

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

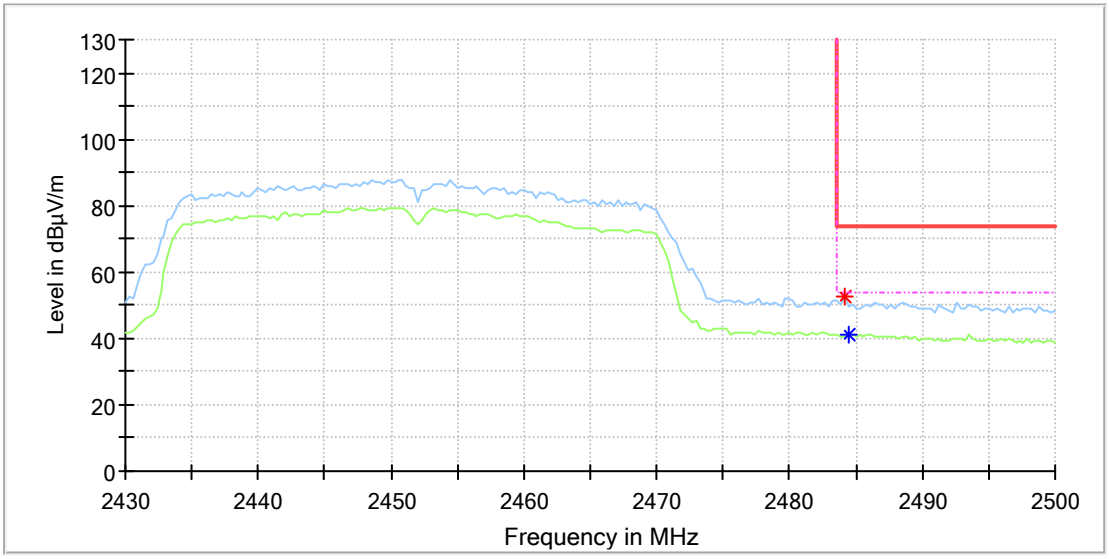
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2387.941177	64.85	---	74.00	9.15	150.0	V	326.0	7.0

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

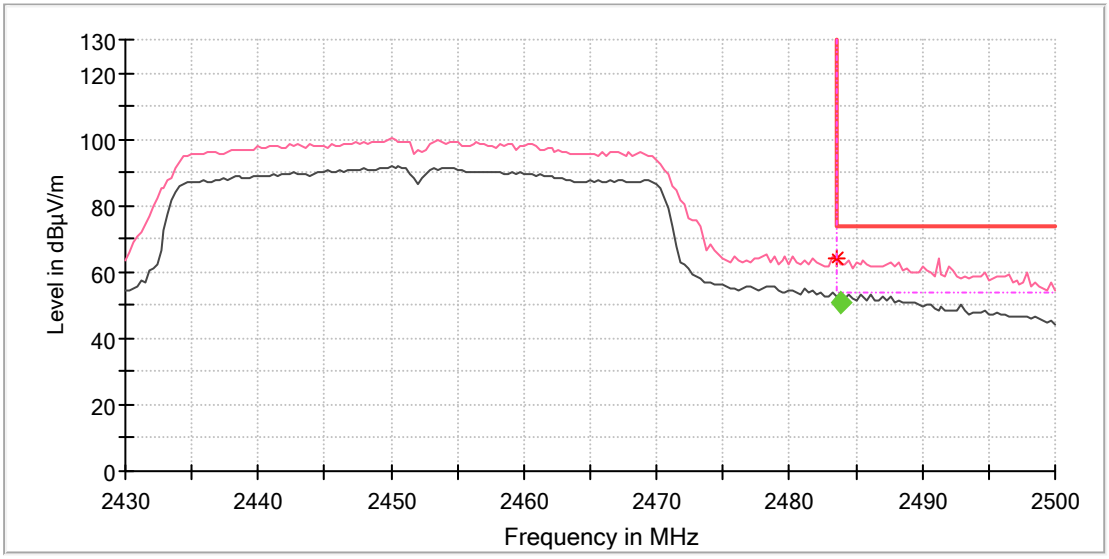
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.117647	52.74	---	74.00	21.26	150.0	H	277.0	7.4
2484.411765	---	41.29	54.00	12.71	150.0	H	198.0	7.4

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

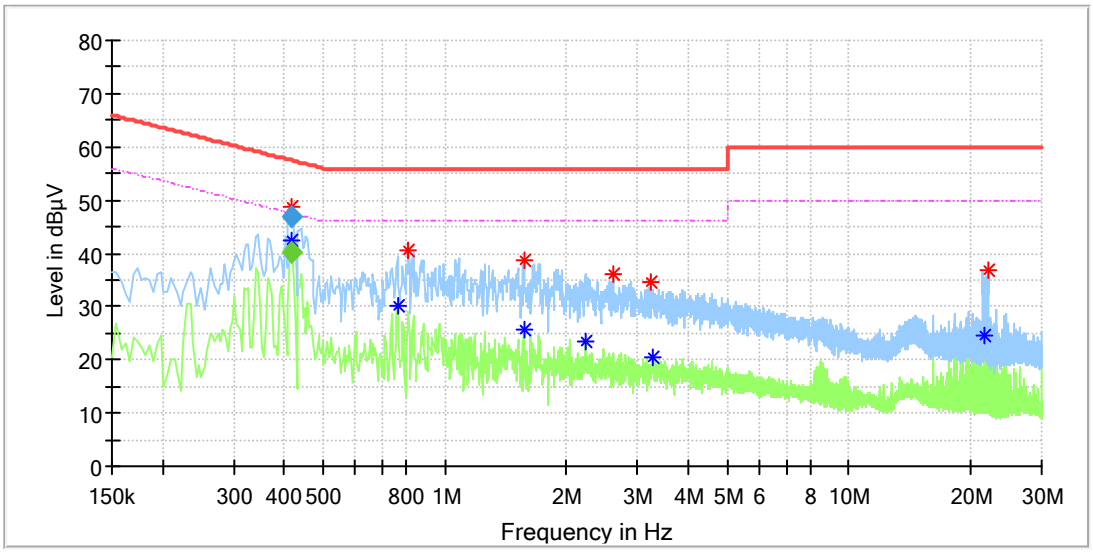
Final_Result

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

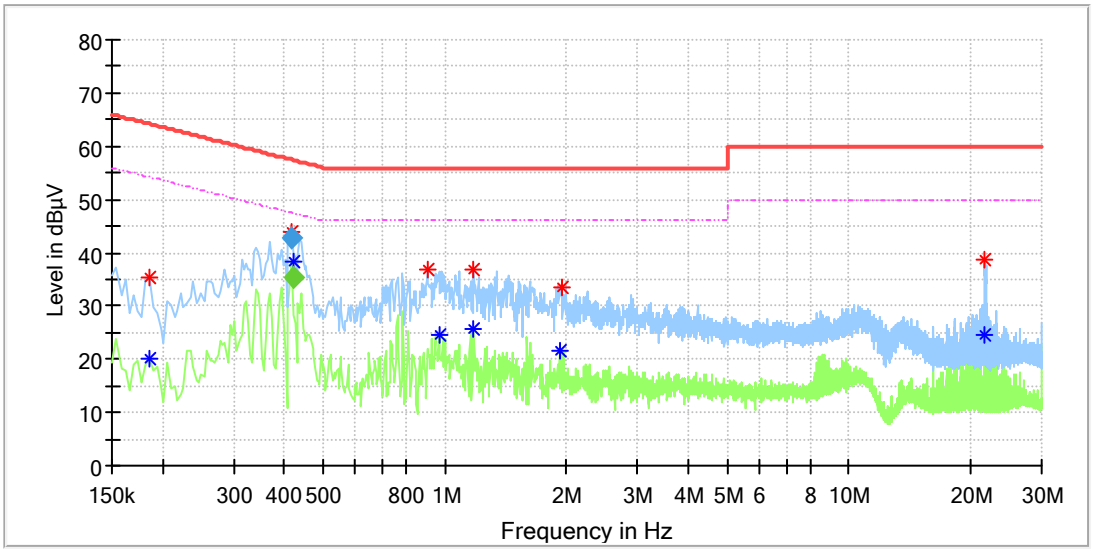
Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.416500	48.83	---	57.49	8.66	L1	9.9
0.416500	---	42.40	47.49	5.09	L1	9.9
0.764000	---	30.01	46.00	15.99	L1	9.8
0.812000	40.65	---	56.00	15.35	L1	9.8
1.568000	---	25.64	46.00	20.36	L1	9.8
1.568000	38.53	---	56.00	17.47	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