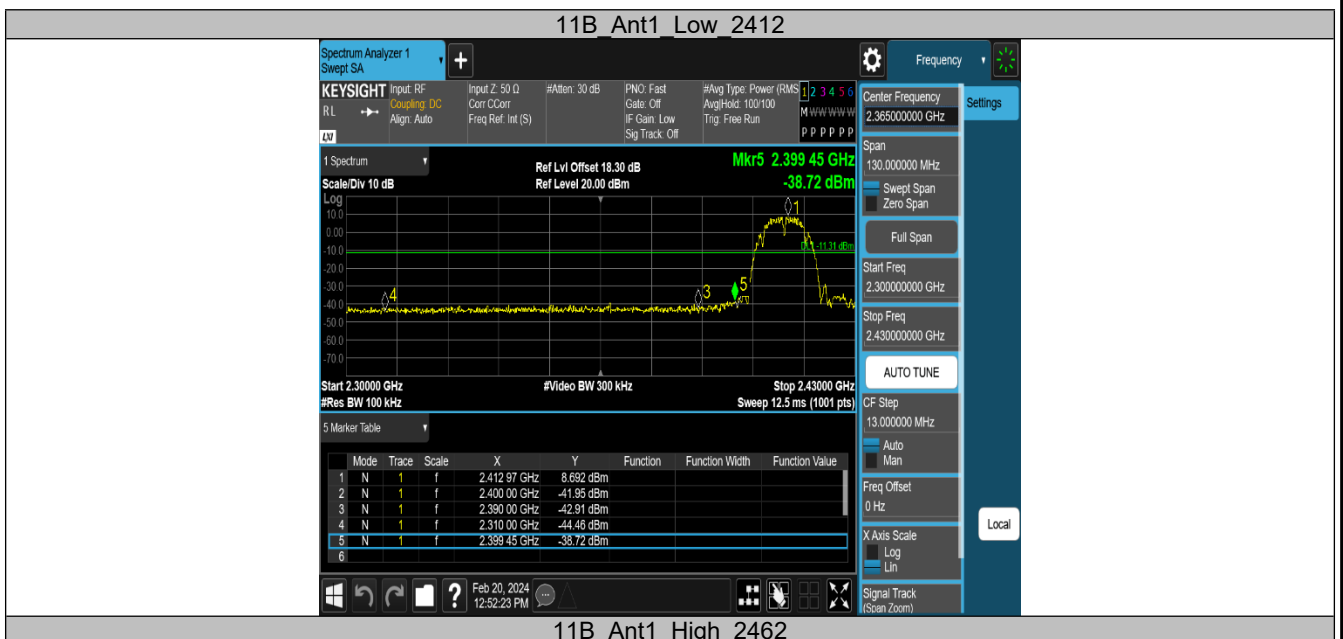


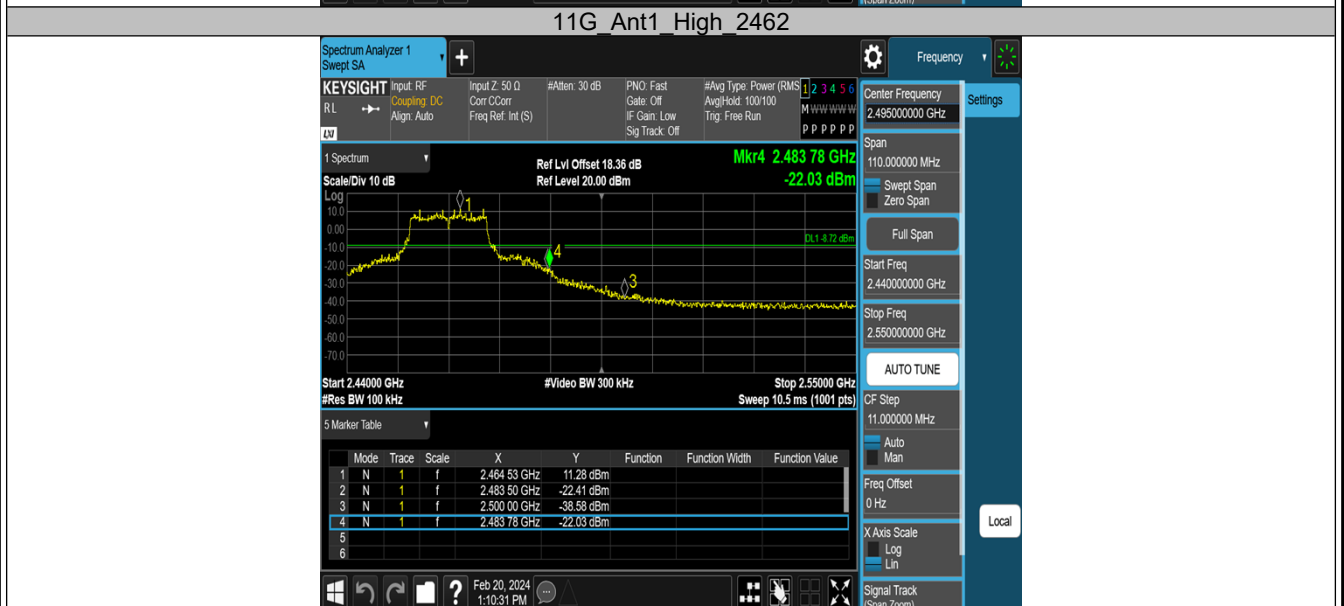


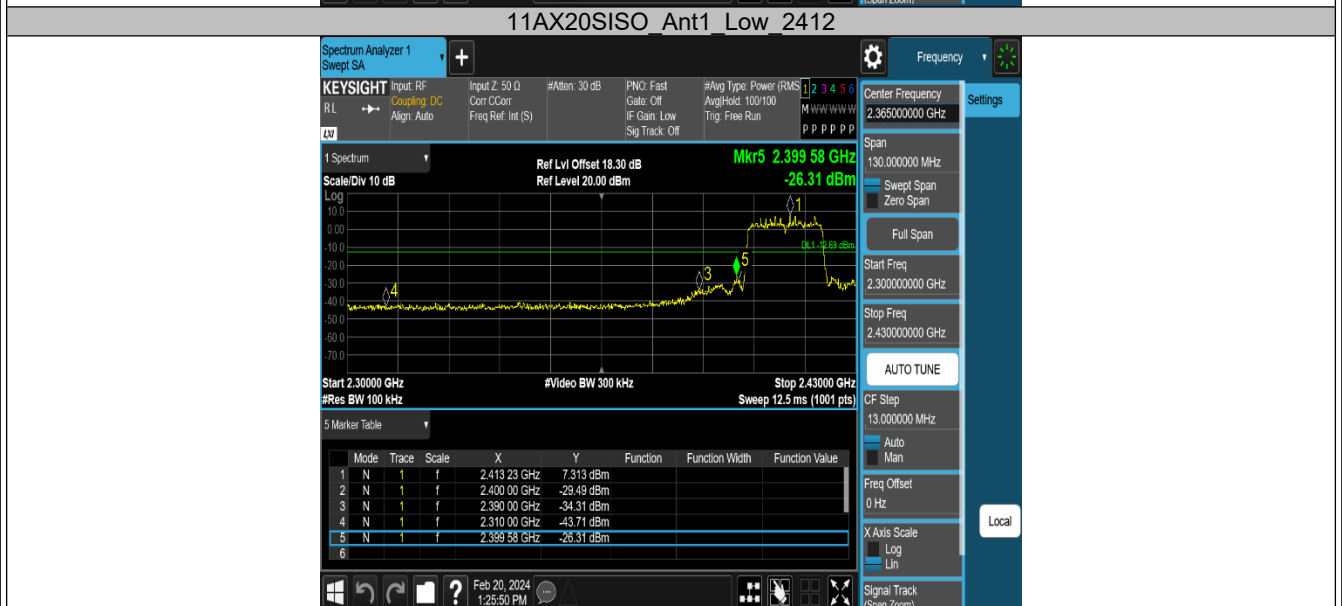
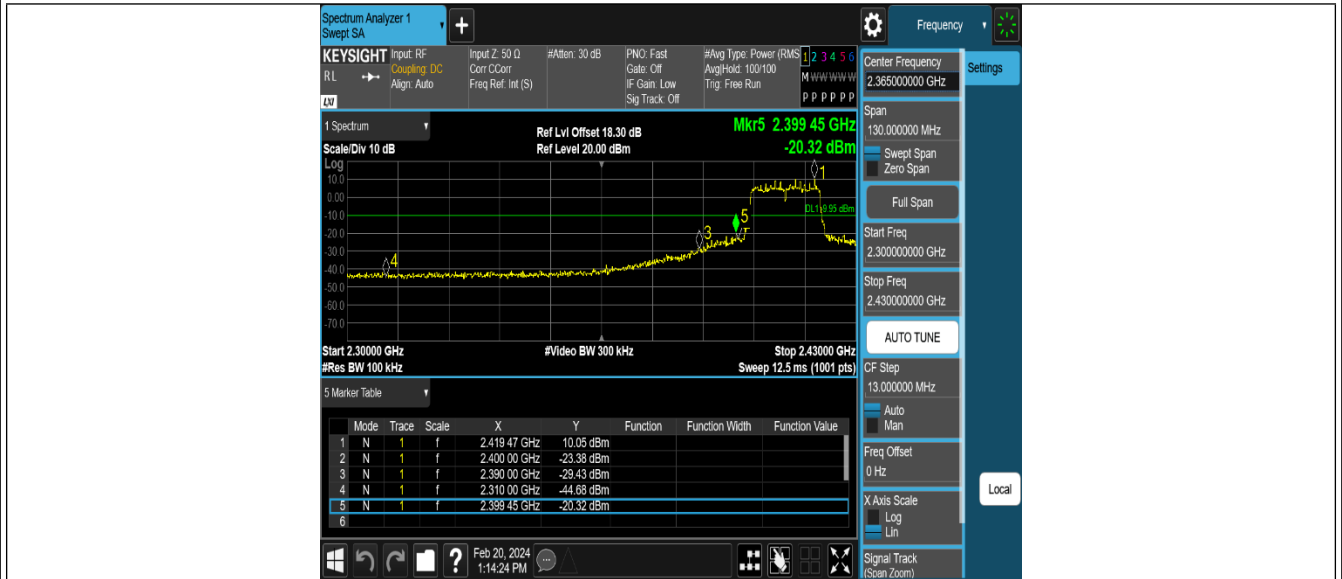
Band Edge
 Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	8.69	-38.72	≤-11.31	PASS
		High	2462	9.34	-38.35	≤-10.66	PASS
11G	Ant1	Low	2412	9.68	-22.41	≤-10.32	PASS
		High	2462	11.28	-22.03	≤-8.72	PASS
11N20SISO	Ant1	Low	2412	10.05	-20.32	≤-9.95	PASS
		High	2462	10.73	-21.09	≤-9.27	PASS
11AX20SISO	Ant1	Low	2412	7.31	-26.31	≤-12.69	PASS
		High	2462	10.13	-24.07	≤-9.87	PASS

Test Graphs







11AX20SISO Ant1 High 2462



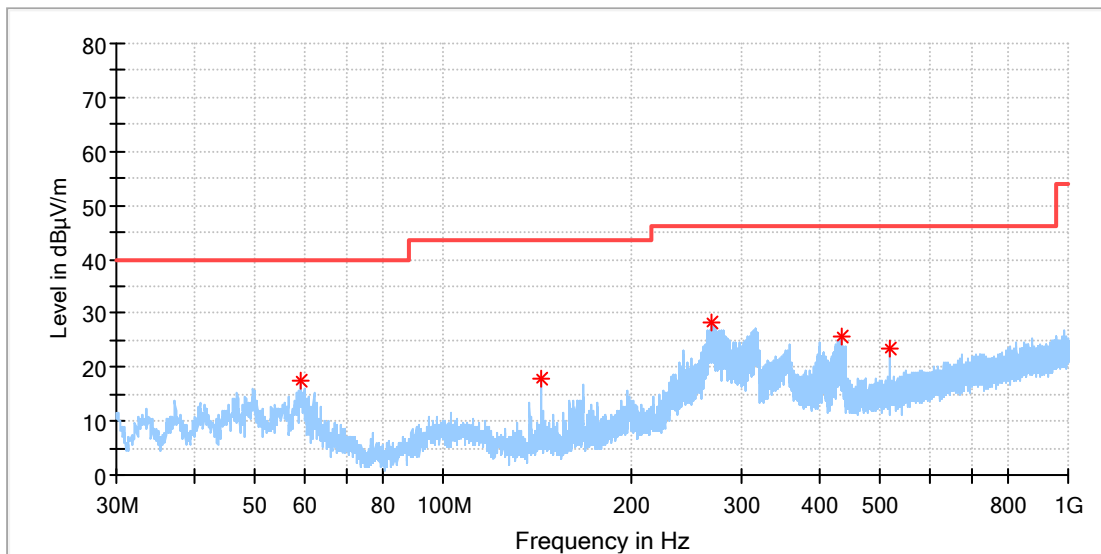
APPENDIX B.5: RADIATED SPURIOUS EMISSIONS

Note: 1. Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.
 2. This testing was carried out on different modulations, but only the worst cases were presented in this report.

30MHz - 1GHz (Worst case)

EUT Information

EUT Name:	Thermostat
Model:	TC320B-G
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168467440/A003646592-002
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

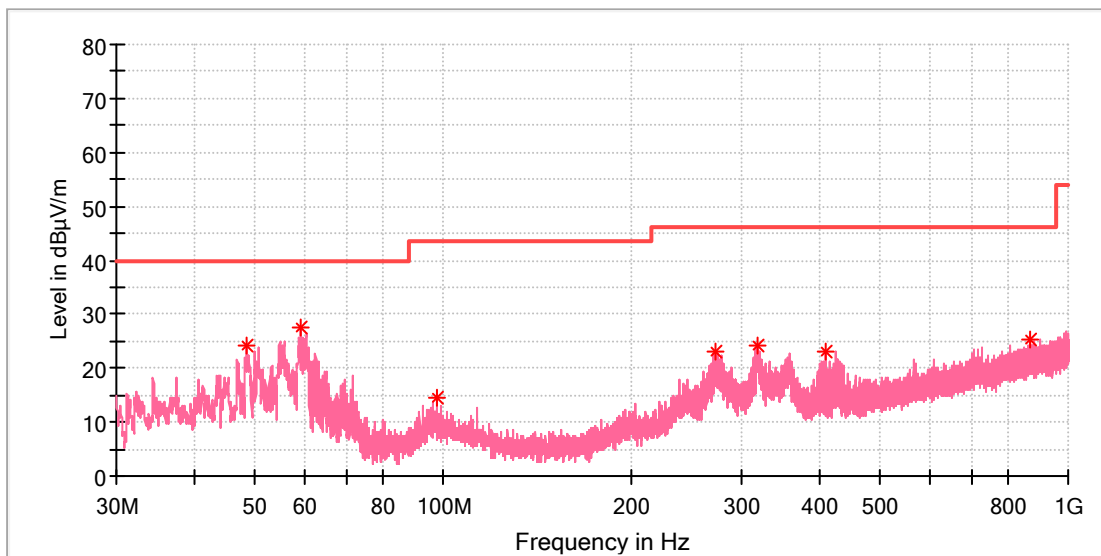


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
59.174615	17.43	40.00	22.57	100.0	H	9.0	-19.2
143.676539	17.70	43.50	25.80	100.0	H	91.0	-22.6
267.948462	28.17	46.00	17.83	100.0	H	311.0	-17.3
434.042308	25.70	46.00	20.30	100.0	H	311.0	-13.5
520.036539	23.28	46.00	22.72	100.0	H	226.0	-11.9

EUT Information

EUT Name: Thermostat
 Model: TC320B-G
 Test Mode: WIFI 2.4G_11b_Ch6
 Order No/Sample No: 168467440/A003646592-002
 Test Voltage:: 120V/60Hz
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



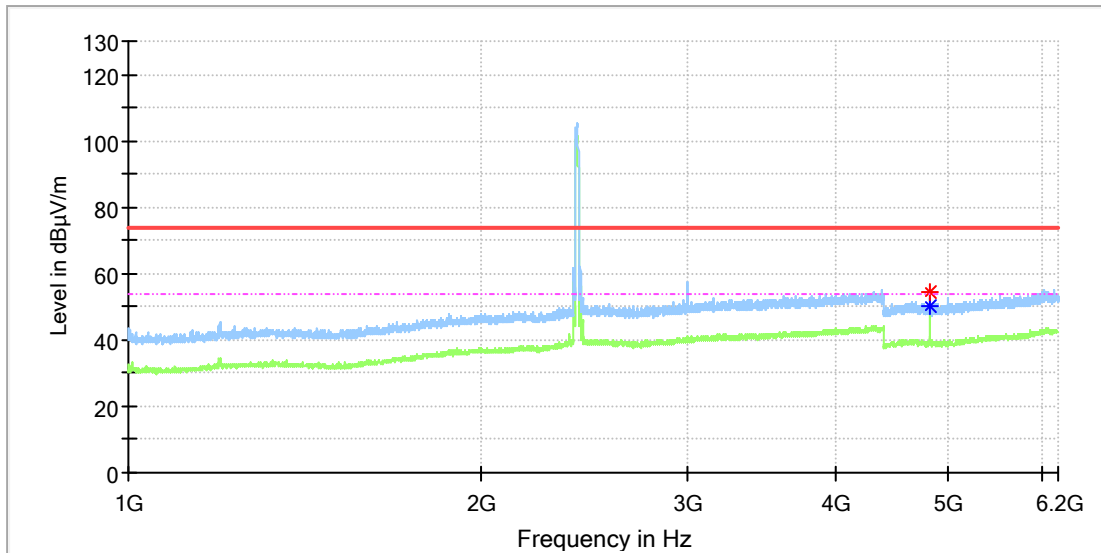
Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
48.579231	24.32	40.00	15.68	100.0	V	189.0	-18.7
59.211923	27.49	40.00	12.52	100.0	V	345.0	-19.2
97.825385	14.41	43.50	29.09	100.0	V	0.0	-19.6
271.977692	23.24	46.00	22.76	100.0	V	0.0	-17.2
318.276539	24.24	46.00	21.76	100.0	V	355.0	-16.1
409.531154	23.08	46.00	22.92	100.0	V	70.0	-13.9
871.101923	25.30	46.00	20.70	100.0	V	133.0	-5.7

1GHz-18GHz

EUT Information

EUT Name:	Thermostat
Model:	TC320B-G
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168467440/A003646592-002
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

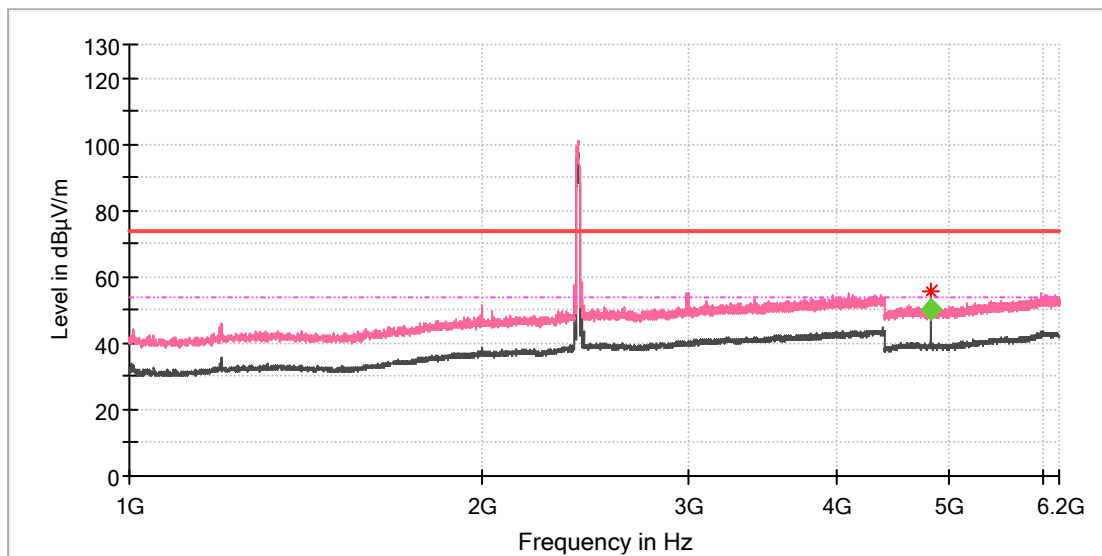


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4824.000000	54.56	---	74.00	19.44	150.0	H	265.0	11.8
4824.000000	---	49.96	54.00	4.04	150.0	H	265.0	11.8

EUT Information

EUT Name: Thermostat
 Model: TC320B-G
 Test Mode: WIFI 2.4G_11b_Ch1
 Order No/Sample No: 168467440/A003646592-002
 Test Voltage:: 120V/60Hz
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

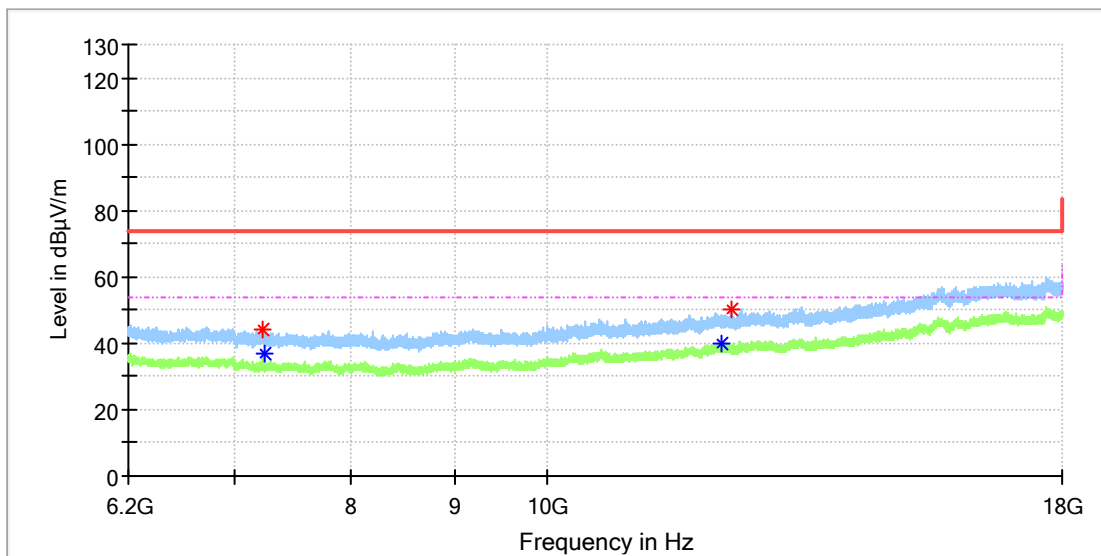
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4824.000000	55.71	---	74.00	18.29	150.0	V	52.0	11.8

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4824.030556	50.36	54.00	3.64	145.0	V	47.0	11.8

EUT Information

EUT Name: Thermostat
 Model: TC320B-G
 Test Mode: WIFI 2.4G_11b_Ch1
 Order No/Sample No: 168467440/A003646592-002
 Test Voltage:: 120V/60Hz
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

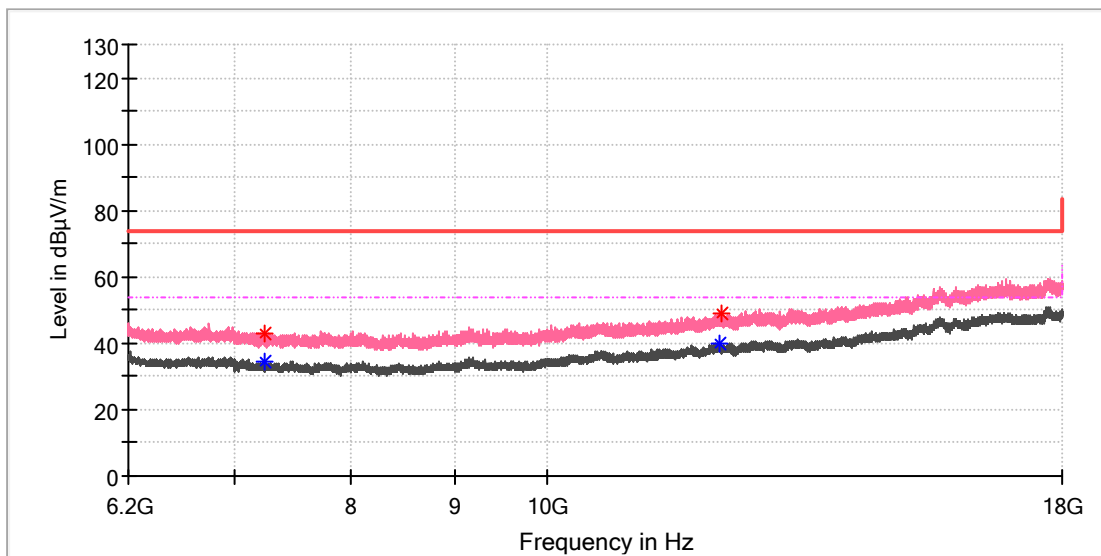


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7234.958333	44.05	---	74.00	29.95	150.0	H	323.0	8.6
7236.925000	---	36.90	54.00	17.10	150.0	H	323.0	8.6
12201.283333	---	40.15	54.00	13.85	150.0	H	323.0	14.7
12328.133333	50.20	---	74.00	23.80	150.0	H	17.0	14.9

EUT Information

EUT Name: Thermostat
 Model: TC320B-G
 Test Mode: WIFI 2.4G_11b_Ch1
 Order No/Sample No: 168467440/A003646592-002
 Test Voltage:: 120V/60Hz
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

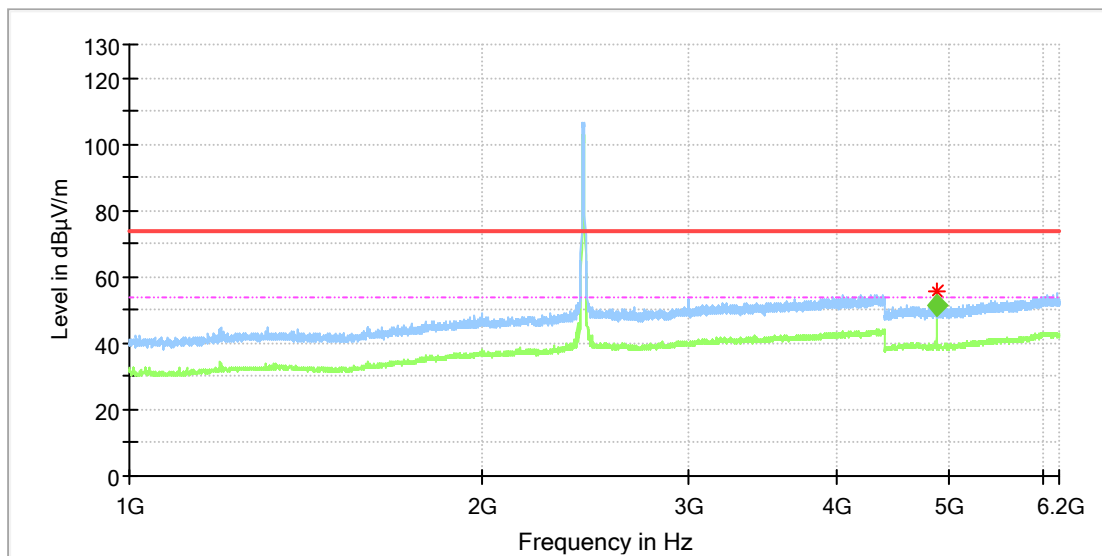


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7235.941667	43.03	---	74.00	30.98	150.0	V	19.0	8.6
7235.941667	---	34.28	54.00	19.72	150.0	V	19.0	8.6
12177.191667	---	40.06	54.00	13.94	150.0	V	177.0	14.6
12198.825000	48.92	---	74.00	25.08	150.0	V	303.0	14.7

EUT Information

EUT Name: Thermostat
 Model: TC320B-G
 Test Mode: WIFI 2.4G_11b_Ch6
 Order No/Sample No: 168467440/A003646592-002
 Test Voltage:: 120V/60Hz
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

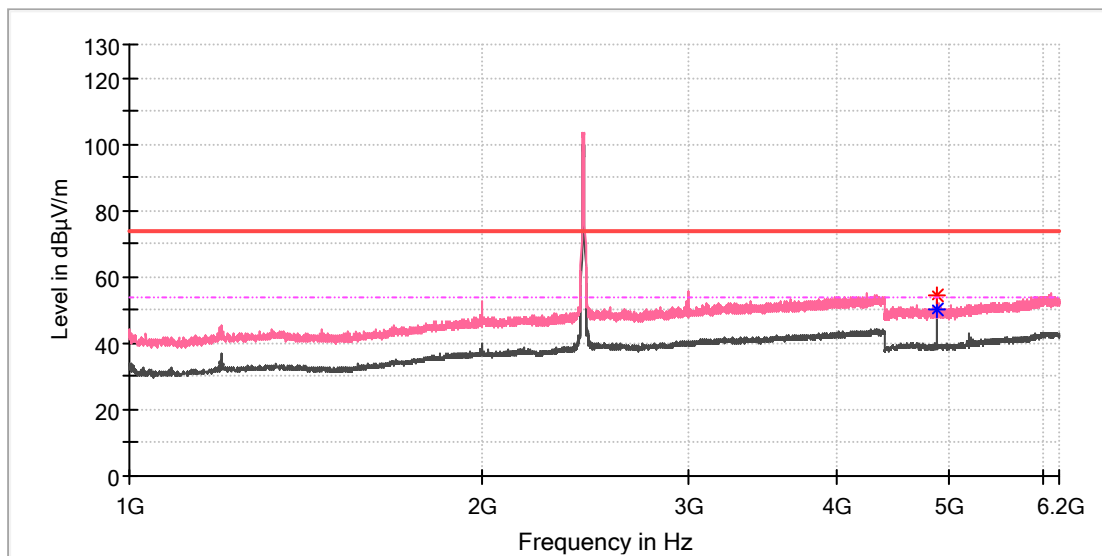
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4873.500000	55.92	---	74.00	18.08	150.0	H	84.0	11.8

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4873.986111	51.25	54.00	2.75	148.0	H	79.0	11.8

EUT Information

EUT Name: Thermostat
 Model: TC320B-G
 Test Mode: WIFI 2.4G_11b_Ch6
 Order No/Sample No: 168467440/A003646592-002
 Test Voltage:: 120V/60Hz
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

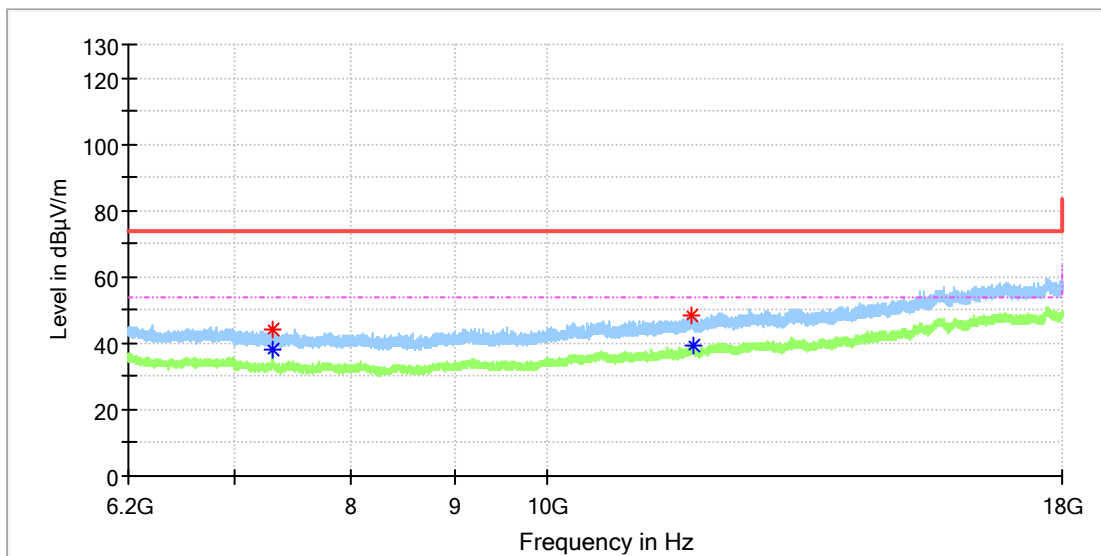


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4873.500000	54.57	---	74.00	19.43	150.0	V	340.0	11.8
4874.000000	---	50.10	54.00	3.90	150.0	V	81.0	11.8

EUT Information

EUT Name: Thermostat
 Model: TC320B-G
 Test Mode: WIFI 2.4G_11b_Ch6
 Order No/Sample No: 168467440/A003646592-002
 Test Voltage:: 120V/60Hz
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

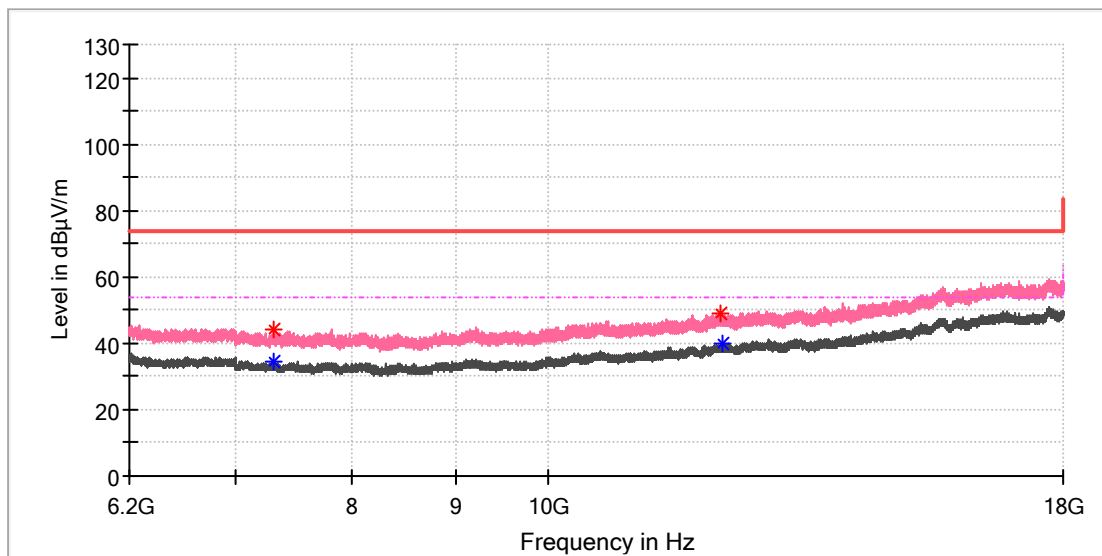


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7311.658333	---	38.02	54.00	15.98	150.0	H	318.0	8.2
7312.150000	44.14	---	74.00	29.86	150.0	H	318.0	8.2
11781.400000	48.55	---	74.00	25.45	150.0	H	235.0	13.4
11805.000000	---	39.19	54.00	14.81	150.0	H	270.0	13.4

EUT Information

EUT Name: Thermostat
 Model: TC320B-G
 Test Mode: WIFI 2.4G_11b_Ch6
 Order No/Sample No: 168467440/A003646592-002
 Test Voltage:: 120V/60Hz
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

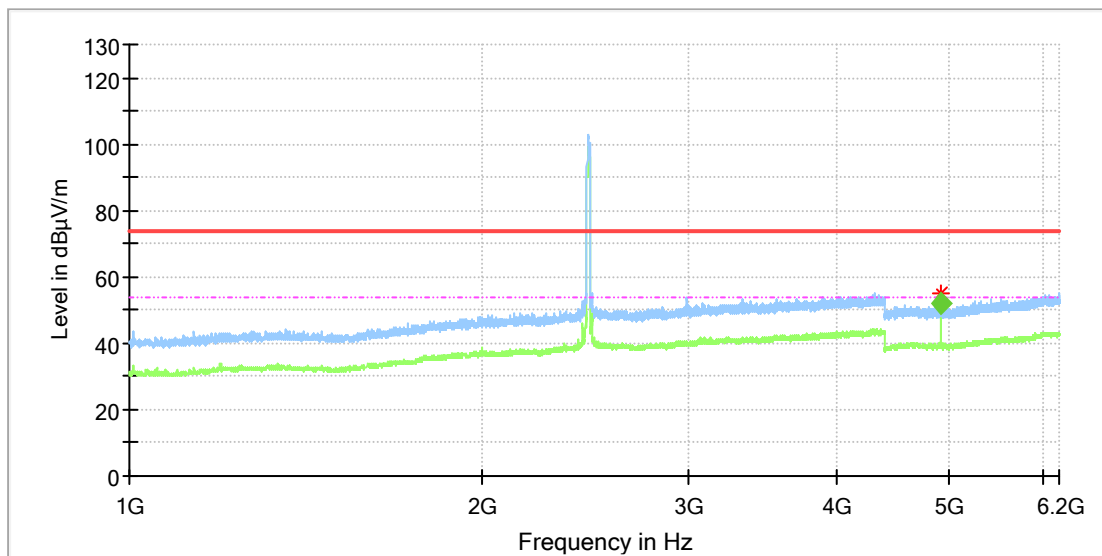


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7312.150000	---	34.37	54.00	19.63	150.0	V	5.0	8.2
7317.066667	43.91	---	74.00	30.09	150.0	V	184.0	8.2
12175.716667	49.24	---	74.00	24.76	150.0	V	122.0	14.5
12205.216667	---	39.70	54.00	14.30	150.0	V	110.0	14.7

EUT Information

EUT Name: Thermostat
 Model: TC320B-G
 Test Mode: WIFI 2.4G_11b_Ch11
 Order No/Sample No: 168467440/A003646592-002
 Test Voltage:: 120V/60Hz
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

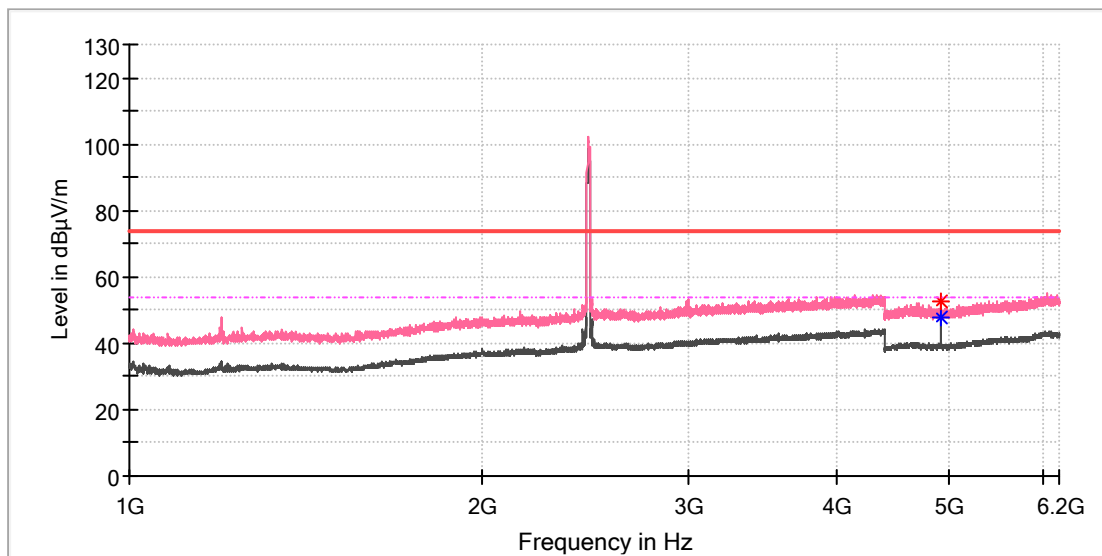
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4924.000000	55.04	---	74.00	18.96	150.0	H	66.0	11.8

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4923.950000	51.96	54.00	2.04	145.0	H	64.0	11.8

EUT Information

EUT Name:	Thermostat
Model:	TC320B-G
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168467440/A003646592-002
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

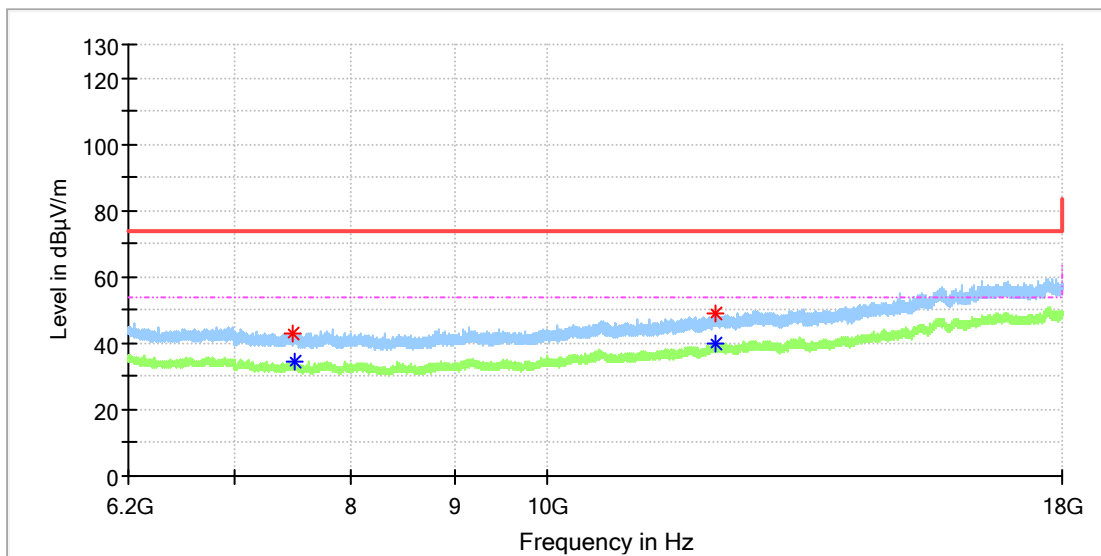


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4923.500000	52.48	---	74.00	21.52	150.0	V	71.0	11.8
4924.000000	---	47.83	54.00	6.17	150.0	V	71.0	11.8

EUT Information

EUT Name: Thermostat
 Model: TC320B-G
 Test Mode: WIFI 2.4G_11b_Ch11
 Order No/Sample No: 168467440/A003646592-002
 Test Voltage:: 120V/60Hz
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

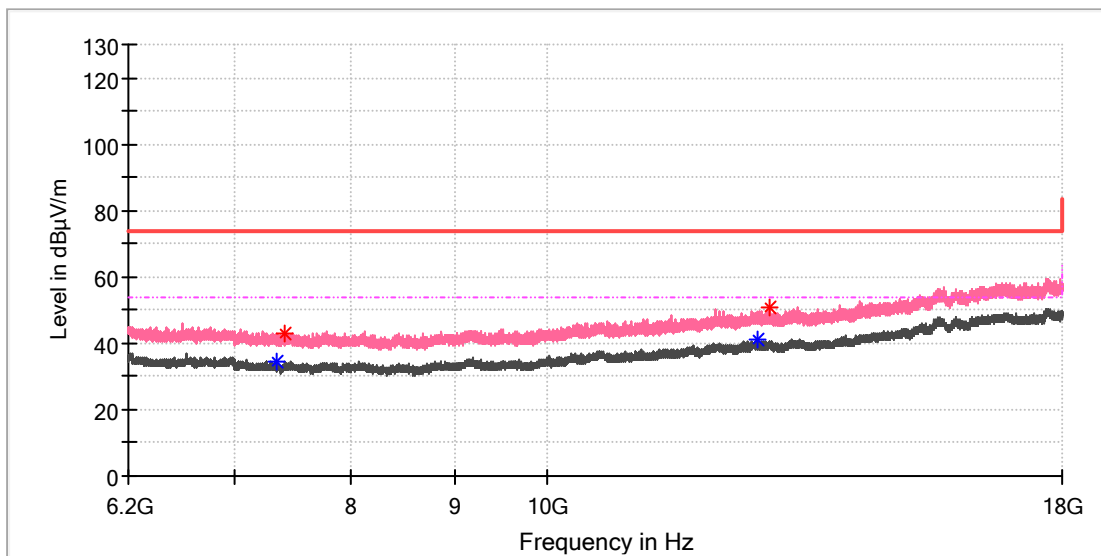


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7472.925000	42.68	---	74.00	31.32	150.0	H	0.0	8.6
7502.916667	---	34.59	54.00	19.41	150.0	H	220.0	8.7
12112.291667	---	40.03	54.00	13.97	150.0	H	148.0	14.2
12113.766667	48.81	---	74.00	25.19	150.0	H	90.0	14.2

EUT Information

EUT Name: Thermostat
 Model: TC320B-G
 Test Mode: WIFI 2.4G_11b_Ch11
 Order No/Sample No: 168467440/A003646592-002
 Test Voltage:: 120V/60Hz
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

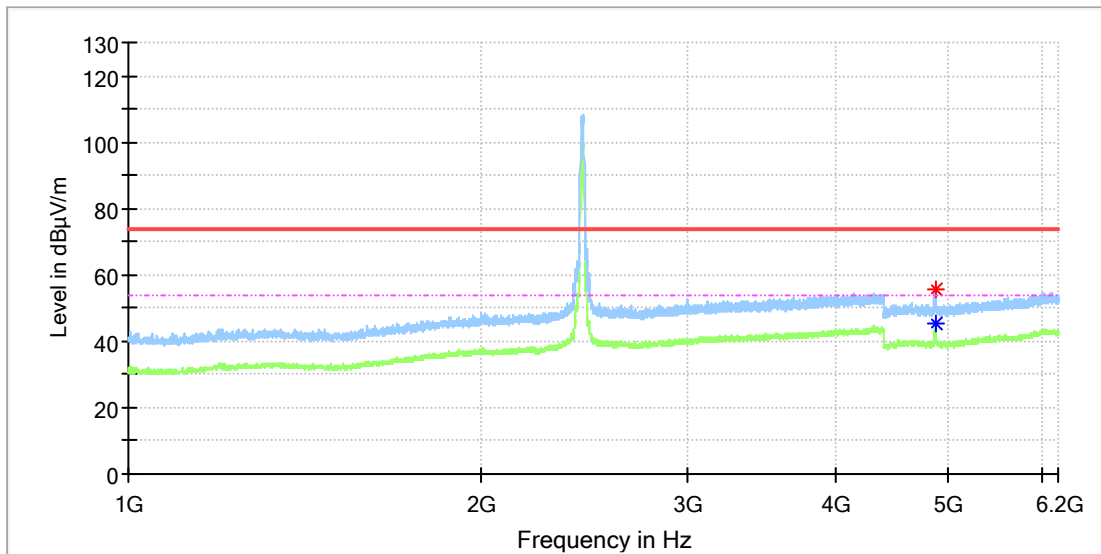


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7342.141667	---	34.22	54.00	19.78	150.0	V	230.0	8.1
7417.366667	43.05	---	74.00	30.95	150.0	V	359.0	8.3
12720.483333	---	40.86	54.00	13.14	150.0	V	314.0	15.1
12890.600000	51.07	---	74.00	22.93	150.0	V	182.0	15.5

EUT Information

EUT Name:	Thermostat
Model:	TC320B-G
Test Mode:	WIFI 2.4G_11g_Ch6
Order No/Sample No:	168467440/A003646592-002
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

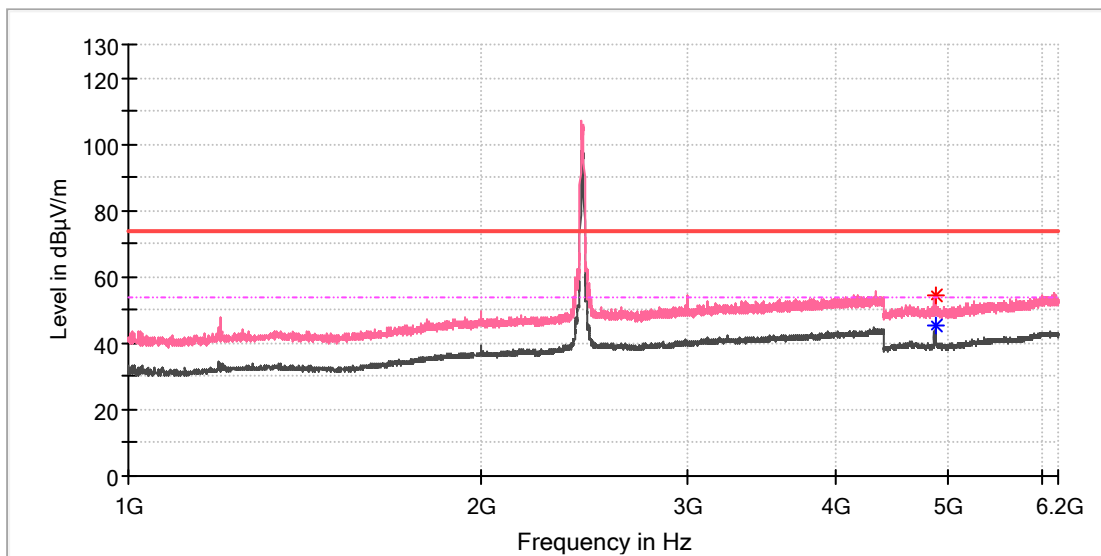


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4869.000000	55.35	---	74.00	18.65	150.0	H	320.0	11.8
4874.000000	---	45.59	54.00	8.41	150.0	H	283.0	11.8

EUT Information

EUT Name: Thermostat
 Model: TC320B-G
 Test Mode: WIFI 2.4G_11g_Ch6
 Order No/Sample No: 168467440/A003646592-002
 Test Voltage:: 120V/60Hz
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

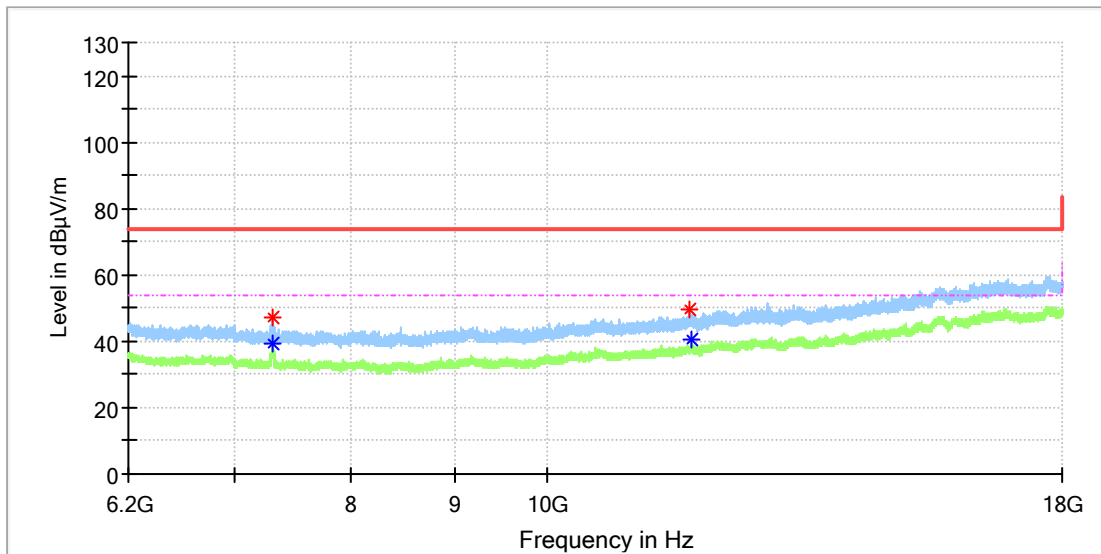


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4873.500000	54.15	---	74.00	19.85	150.0	V	4.0	11.8
4874.500000	---	45.08	54.00	8.92	150.0	V	8.0	11.8

EUT Information

EUT Name: Thermostat
 Model: TC320B-G
 Test Mode: WIFI 2.4G_11g_Ch6
 Order No/Sample No: 168467440/A003646592-002
 Test Voltage:: 120V/60Hz
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

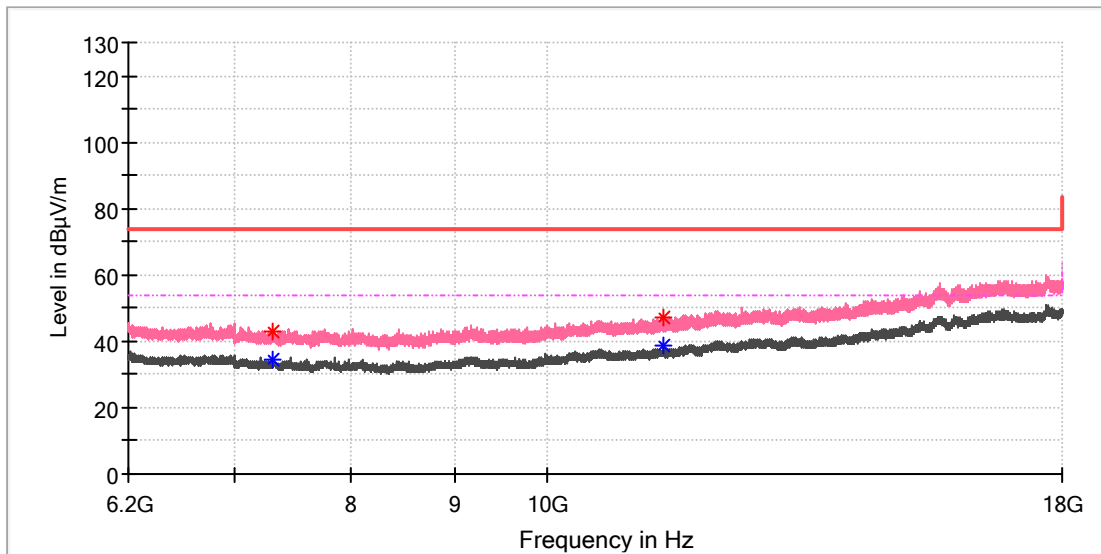


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7310.675000	---	39.51	54.00	14.49	150.0	H	311.0	8.2
7317.066667	46.93	---	74.00	27.07	150.0	H	311.0	8.2
11753.375000	49.54	---	74.00	24.46	150.0	H	203.0	13.3
11802.050000	---	40.47	54.00	13.53	150.0	H	55.0	13.4

EUT Information

EUT Name: Thermostat
 Model: TC320B-G
 Test Mode: WIFI 2.4G_11g_Ch6
 Order No/Sample No: 168467440/A003646592-002
 Test Voltage:: 120V/60Hz
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

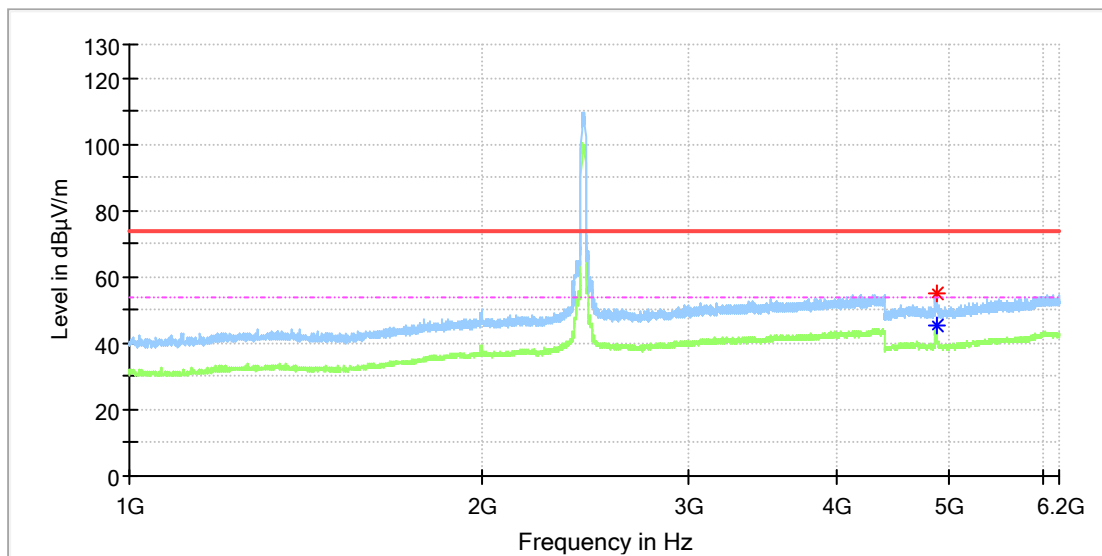


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7308.708333	43.15	---	74.00	30.85	150.0	V	240.0	8.2
7311.166667	---	34.20	54.00	19.80	150.0	V	302.0	8.2
11412.650000	47.30	---	74.00	26.70	150.0	V	35.0	12.9
11413.633333	---	38.51	54.00	15.49	150.0	V	154.0	12.9

EUT Information

EUT Name:	Thermostat
Model:	TC320B-G
Test Mode:	WIFI 2.4G_11ax_Ch6
Order No/Sample No:	168467440/A003646592-002
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

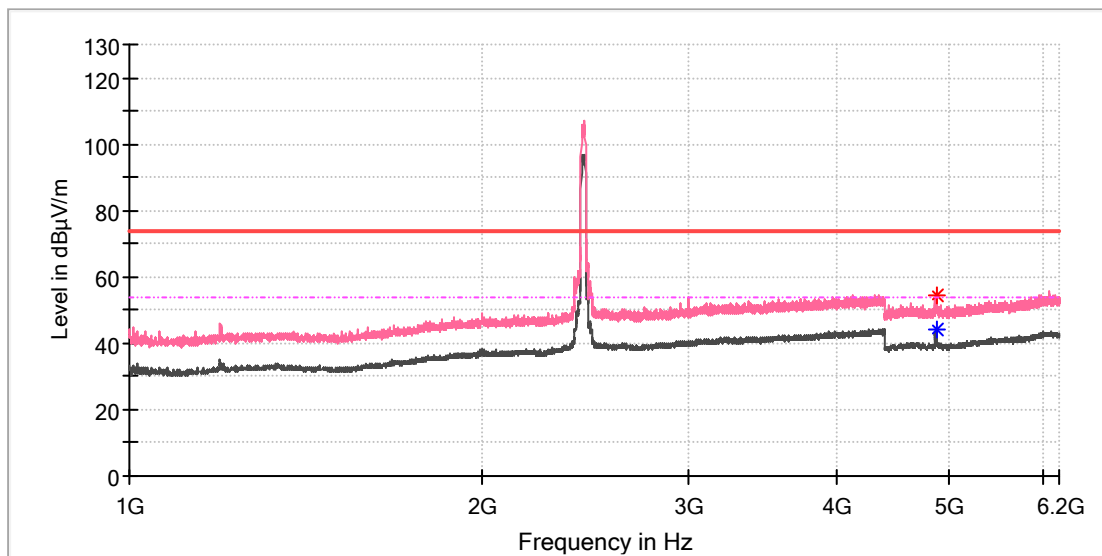


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4874.500000	---	45.16	54.00	8.84	150.0	H	347.0	11.8
4876.000000	55.22	---	74.00	18.78	150.0	H	328.0	11.8

EUT Information

EUT Name: Thermostat
 Model: TC320B-G
 Test Mode: WIFI 2.4G_11ax_Ch6
 Order No/Sample No: 168467440/A003646592-002
 Test Voltage:: 120V/60Hz
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

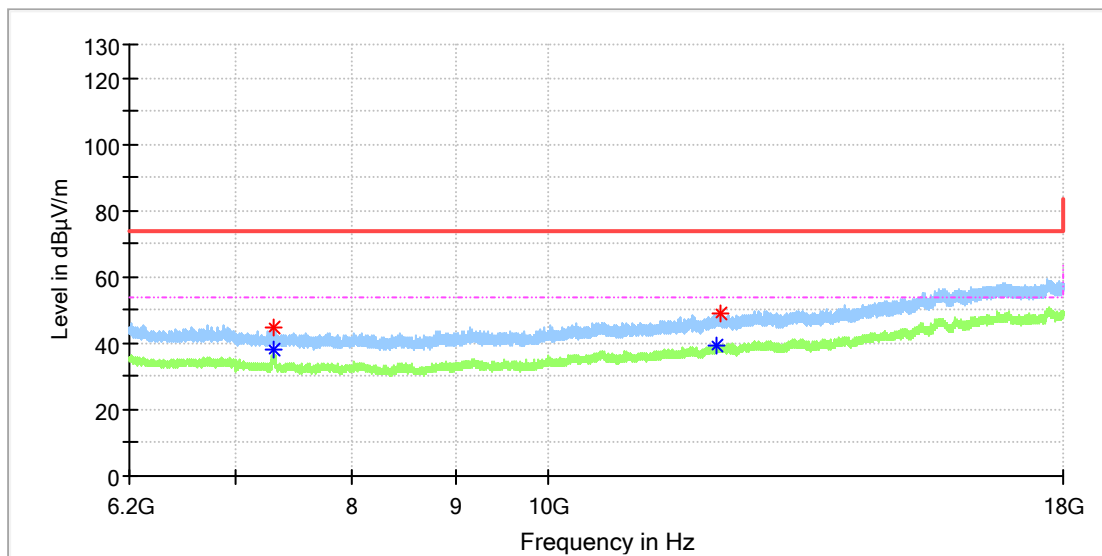


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4872.500000	---	44.38	54.00	9.62	150.0	V	5.0	11.8
4875.000000	54.14	---	74.00	19.86	150.0	V	5.0	11.8

EUT Information

EUT Name: Thermostat
 Model: TC320B-G
 Test Mode: WIFI 2.4G_11ax_Ch6
 Order No/Sample No: 168467440/A003646592-002
 Test Voltage:: 120V/60Hz
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

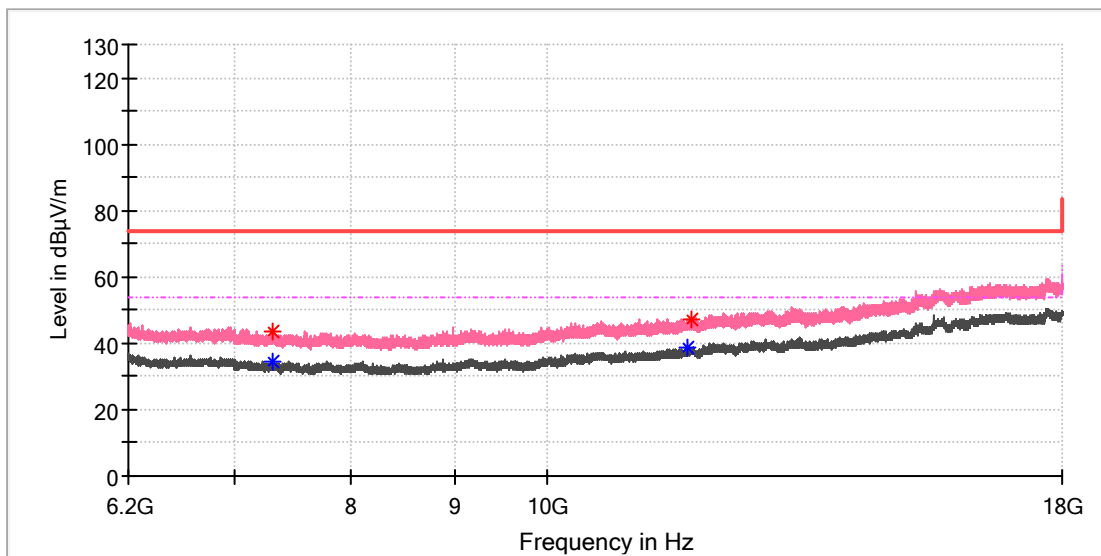


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7306.250000	---	38.18	54.00	15.82	150.0	H	318.0	8.3
7307.233333	44.78	---	74.00	29.22	150.0	H	318.0	8.3
12126.550000	---	39.57	54.00	14.43	150.0	H	65.0	14.3
12180.633333	48.95	---	74.00	25.05	150.0	H	112.0	14.6

EUT Information

EUT Name: Thermostat
 Model: TC320B-G
 Test Mode: WIFI 2.4G_11ax_Ch6
 Order No/Sample No: 168467440/A003646592-002
 Test Voltage:: 120V/60Hz
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



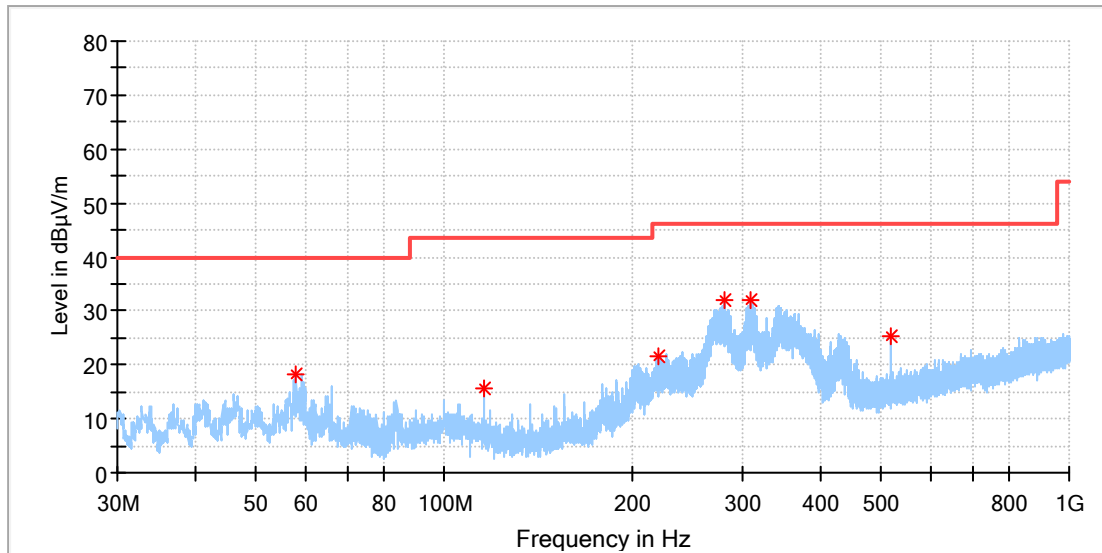
Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7303.300000	43.53	---	74.00	30.47	150.0	V	88.0	8.3
7303.300000	---	34.35	54.00	19.65	150.0	V	88.0	8.3
11730.266667	---	38.87	54.00	15.13	150.0	V	0.0	13.3
11782.383333	47.34	---	74.00	26.66	150.0	V	332.0	13.4

Co-Location

EUT Information

EUT Name:	Thermostat
Model:	TC320B-G
Test Mode:	BLE+WIFI 2.4G
Order No/Sample No:	168467440/A003646592-002
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

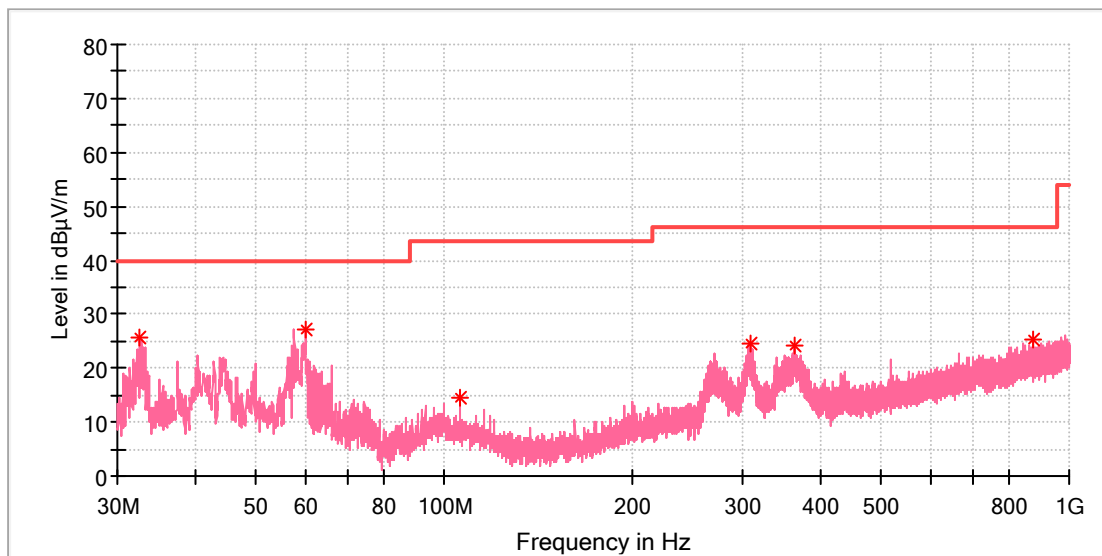


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
58.018077	18.28	40.00	21.72	100.0	H	18.0	-19.1
115.658462	15.79	43.50	27.71	100.0	H	195.0	-20.2
220.903462	21.65	46.00	24.35	100.0	H	75.0	-18.9
281.416539	31.90	46.00	14.10	100.0	H	314.0	-17.0
309.210769	32.13	46.00	13.87	100.0	H	147.0	-16.4
519.999231	25.22	46.00	20.78	100.0	H	262.0	-11.9

EUT Information

EUT Name:	Thermostat
Model:	TC320B-G
Test Mode:	BLE+WIFI 2.4G
Order No/Sample No:	168467440/A003646592-002
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

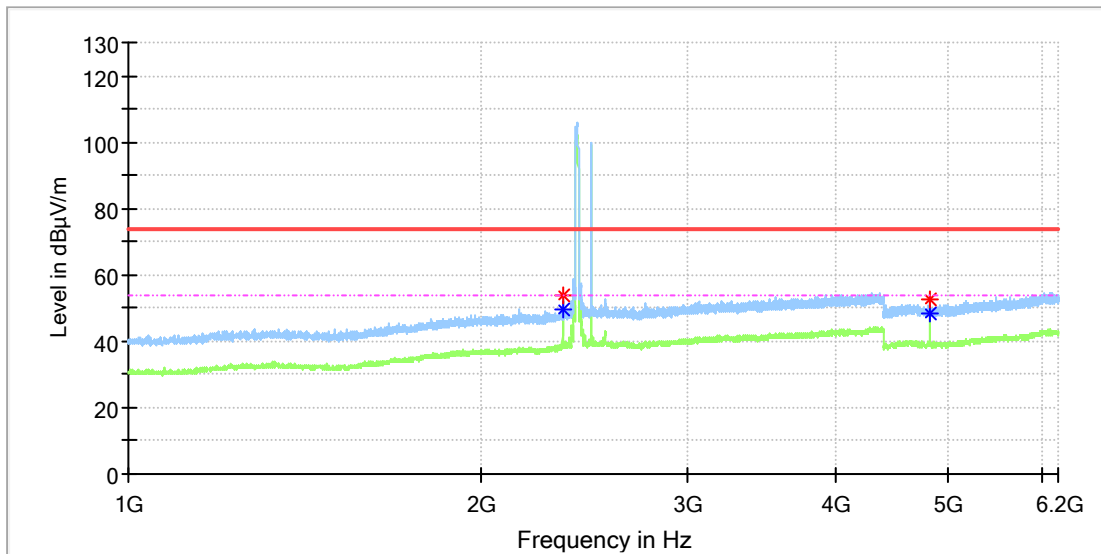


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
32.611539	25.52	40.00	14.48	100.0	V	73.0	-22.9
60.032692	27.20	40.00	12.80	100.0	V	153.0	-19.3
106.256923	14.67	43.50	28.83	100.0	V	121.0	-19.2
308.986923	24.57	46.00	21.43	100.0	V	26.0	-16.4
363.941154	24.35	46.00	21.65	100.0	V	216.0	-14.9
874.273077	25.34	46.00	20.66	100.0	V	255.0	-5.6

EUT Information

EUT Name: Thermostat
 Model: TC320B-G
 Test Mode: BLE+WIFI 2.4G
 Order No/Sample No: 168467440/A003646592-002
 Test Voltage:: 120V/60Hz
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

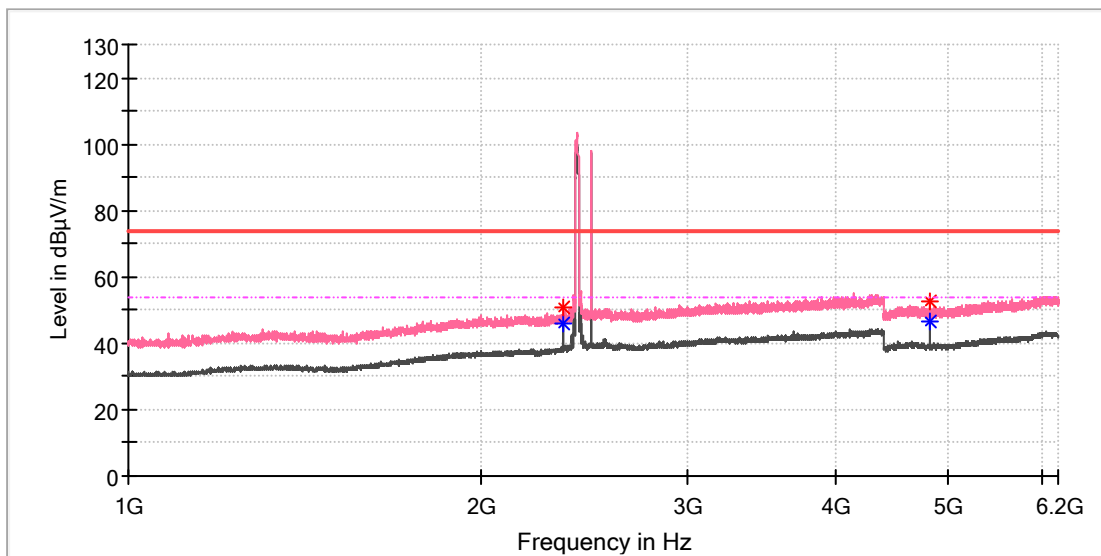


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2344.000000	53.64	---	74.00	20.36	150.0	H	158.0	6.9
2344.000000	---	49.66	54.00	4.34	150.0	H	158.0	6.9
4824.000000	52.71	---	74.00	21.29	150.0	H	283.0	11.8
4824.000000	---	48.41	54.00	5.59	150.0	H	283.0	11.8

EUT Information

EUT Name: Thermostat
 Model: TC320B-G
 Test Mode: BLE+WIFI 2.4G
 Order No/Sample No: 168467440/A003646592-002
 Test Voltage:: 120V/60Hz
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

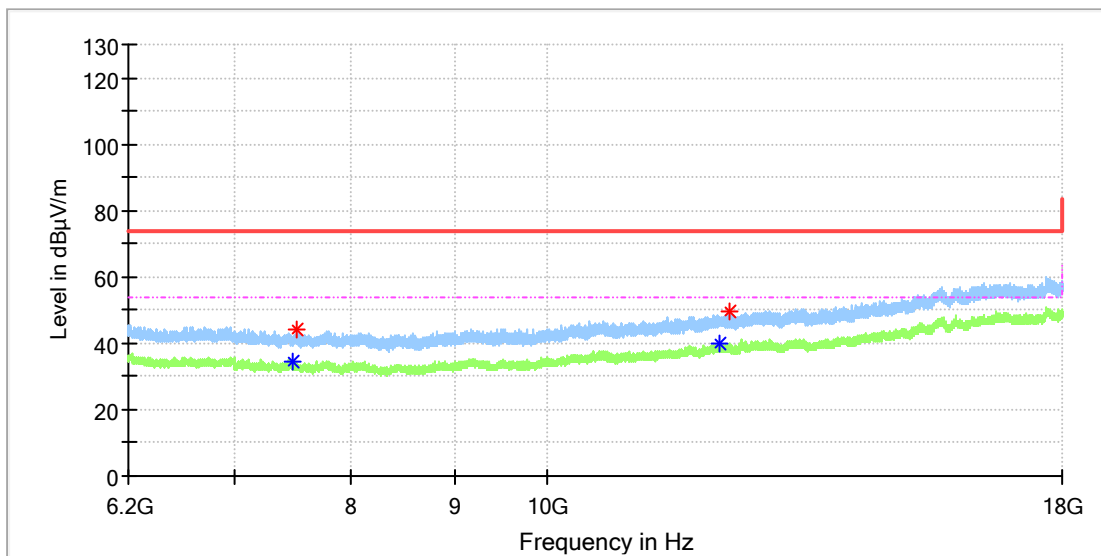


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2344.000000	50.69	---	74.00	23.31	150.0	V	280.0	6.9
2344.000000	---	46.04	54.00	7.96	150.0	V	280.0	6.9
4824.000000	52.50	---	74.00	21.50	150.0	V	17.0	11.8
4824.000000	---	46.75	54.00	7.25	150.0	V	17.0	11.8

EUT Information

EUT Name: Thermostat
 Model: TC320B-G
 Test Mode: BLE+WIFI 2.4G
 Order No/Sample No: 168467440/A003646592-002
 Test Voltage:: 120V/60Hz
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

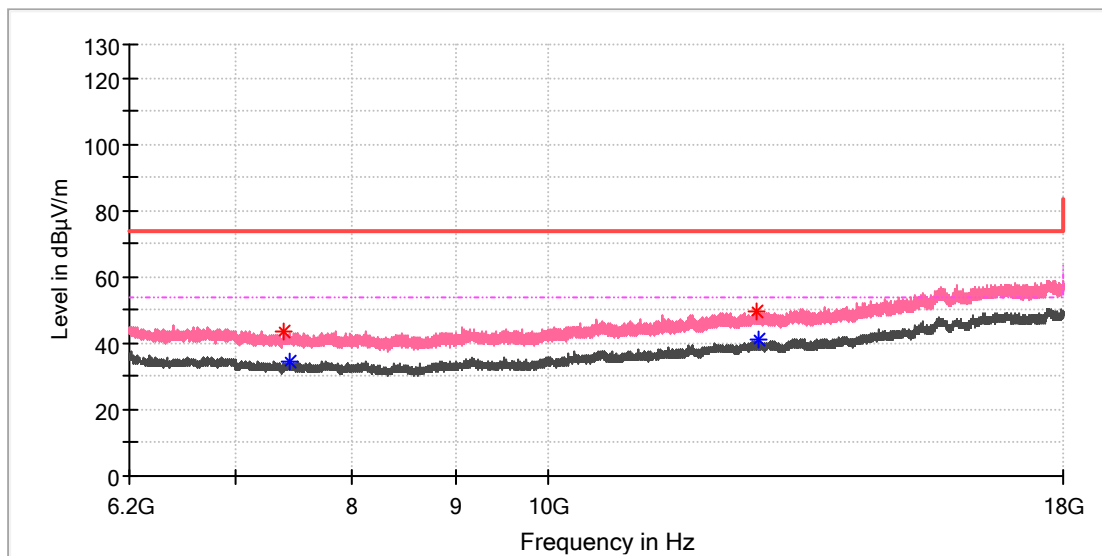


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7478.333333	---	34.26	54.00	19.74	150.0	H	336.0	8.7
7507.341667	43.97	---	74.00	30.03	150.0	H	206.0	8.7
12170.308333	---	39.88	54.00	14.12	150.0	H	0.0	14.5
12310.433333	49.59	---	74.00	24.41	150.0	H	110.0	14.9

EUT Information

EUT Name: Thermostat
 Model: TC320B-G
 Test Mode: BLE+WIFI 2.4G
 Order No/Sample No: 168467440/A003646592-002
 Test Voltage:: 120V/60Hz
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



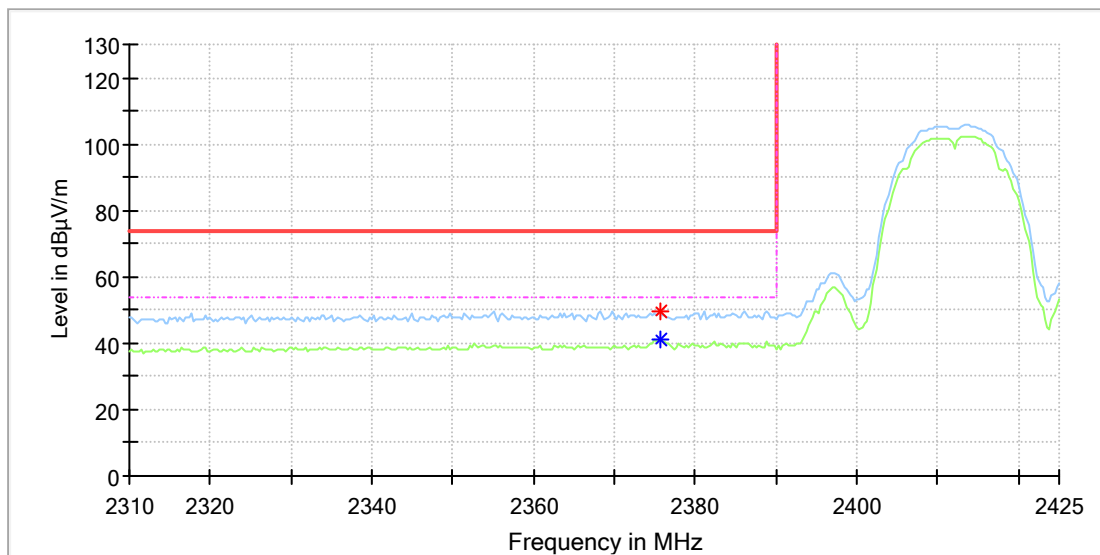
Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7397.208333	43.24	---	74.00	30.76	150.0	V	161.0	8.3
7438.508333	---	34.52	54.00	19.48	150.0	V	104.0	8.4
12684.591667	49.49	---	74.00	24.51	150.0	V	279.0	15.1
12707.208333	---	41.03	54.00	12.97	150.0	V	0.0	15.1

APPENDIX B.6: RADIATED EMISSIONS IN RESTRICTED BANDS

EUT Information

EUT Name:	Thermostat
Model:	TC320B-G
Test Mode:	WIFI 2.4G_11b_Ch1
Order No./Sample No.:	168467440/A003646592-002
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

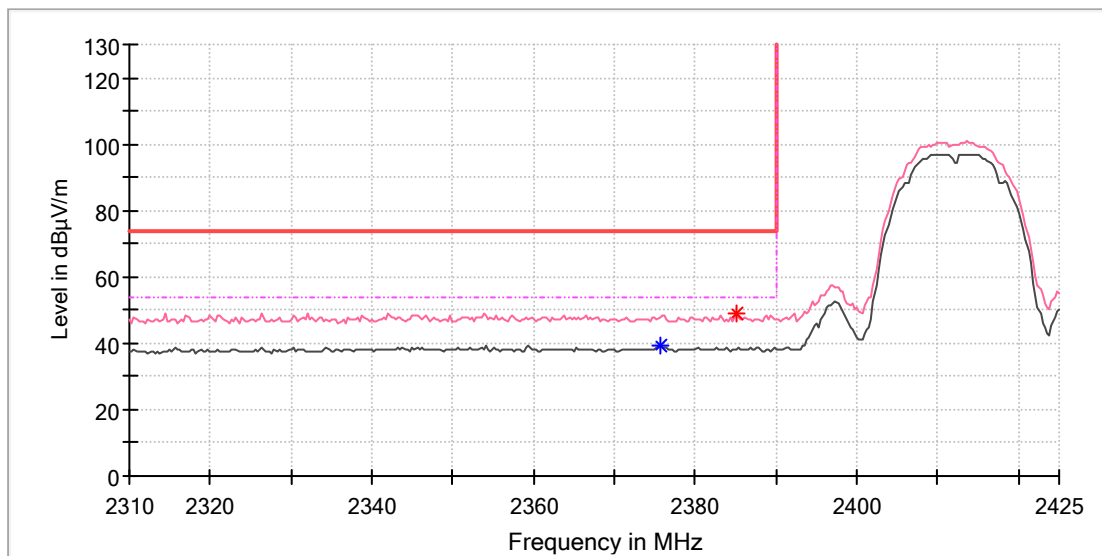


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2375.588235	---	40.94	54.00	13.06	150.0	H	209.0	6.9
2375.588235	49.87	---	74.00	24.13	150.0	H	209.0	6.9

EUT Information

EUT Name: Thermostat
 Model: TC320B-G
 Test Mode: WIFI 2.4G_11b_Ch1
 Order No/Sample No: 168467440/A003646592-002
 Test Voltage:: 120V/60Hz
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

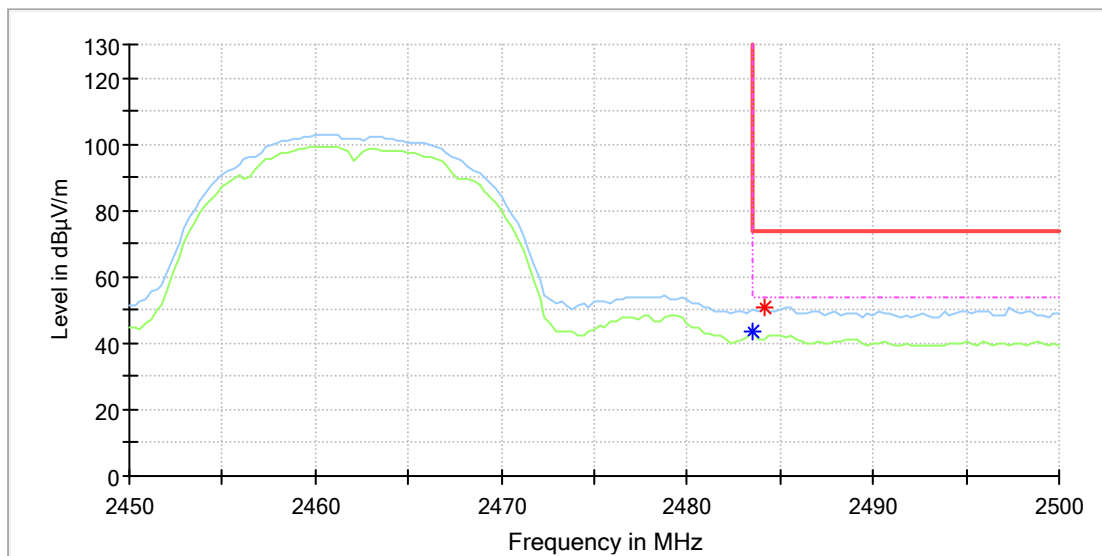


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2375.588235	---	39.11	54.00	14.89	150.0	V	220.0	6.9
2385.000000	48.91	---	74.00	25.09	150.0	V	212.0	7.0

EUT Information

EUT Name:	Thermostat
Model:	TC320B-G
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168467440/A003646592-002
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

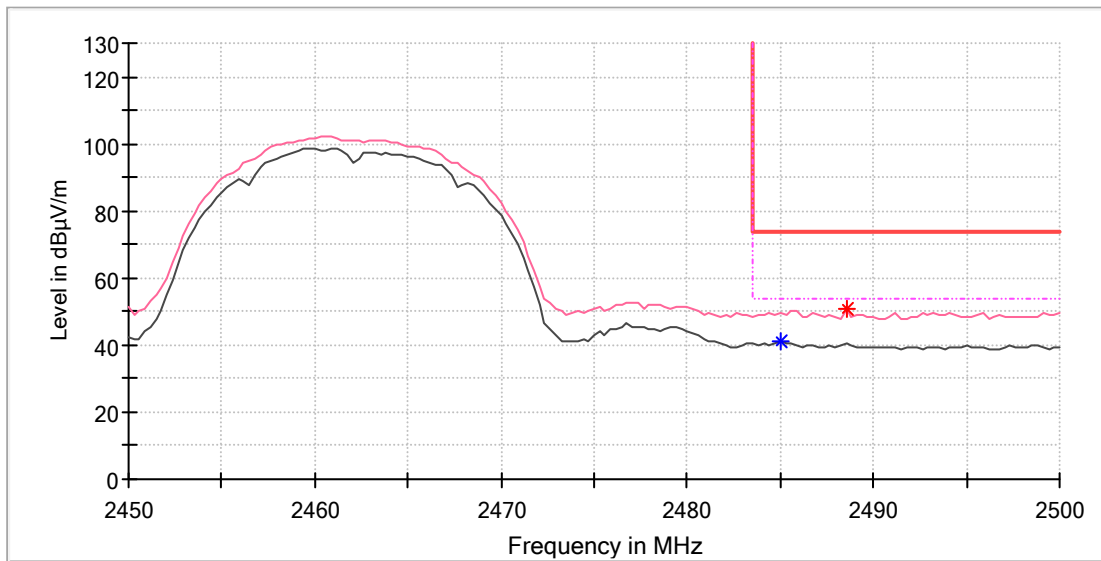


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.529412	---	43.50	54.00	10.50	150.0	H	217.0	7.4
2484.117647	50.84	---	74.00	23.16	150.0	H	217.0	7.4

EUT Information

EUT Name:	Thermostat
Model:	TC320B-G
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168467440/A003646592-002
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

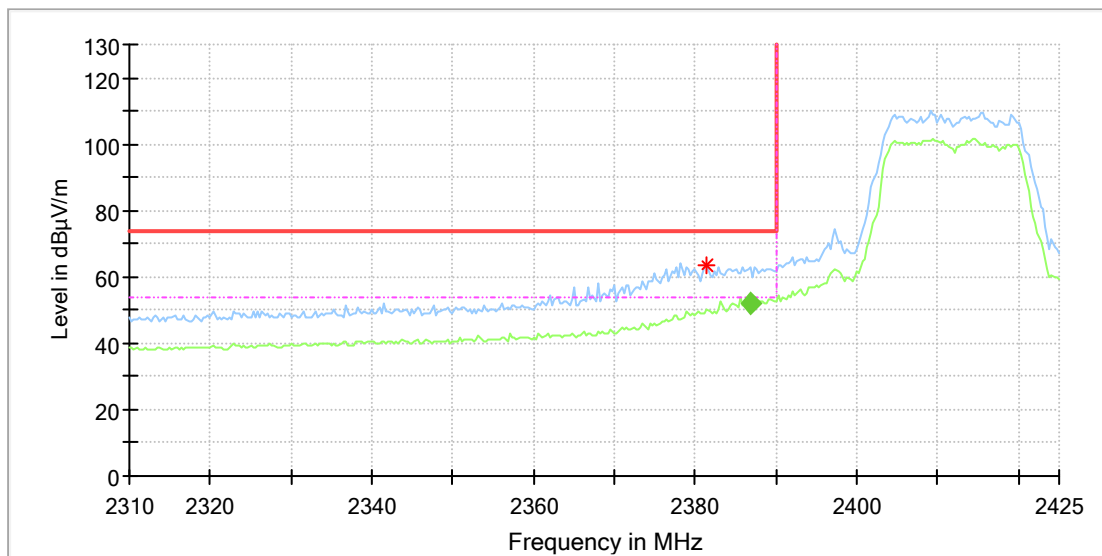


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2485.000000	---	41.24	54.00	12.76	150.0	V	64.0	7.4
2488.529412	50.51	---	74.00	23.49	150.0	V	64.0	7.4

EUT Information

EUT Name: Thermostat
 Model: TC320B-G
 Test Mode: WIFI 2.4G_11g_Ch1
 Order No/Sample No: 168467440/A003646592-002
 Test Voltage:: 120V/60Hz
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

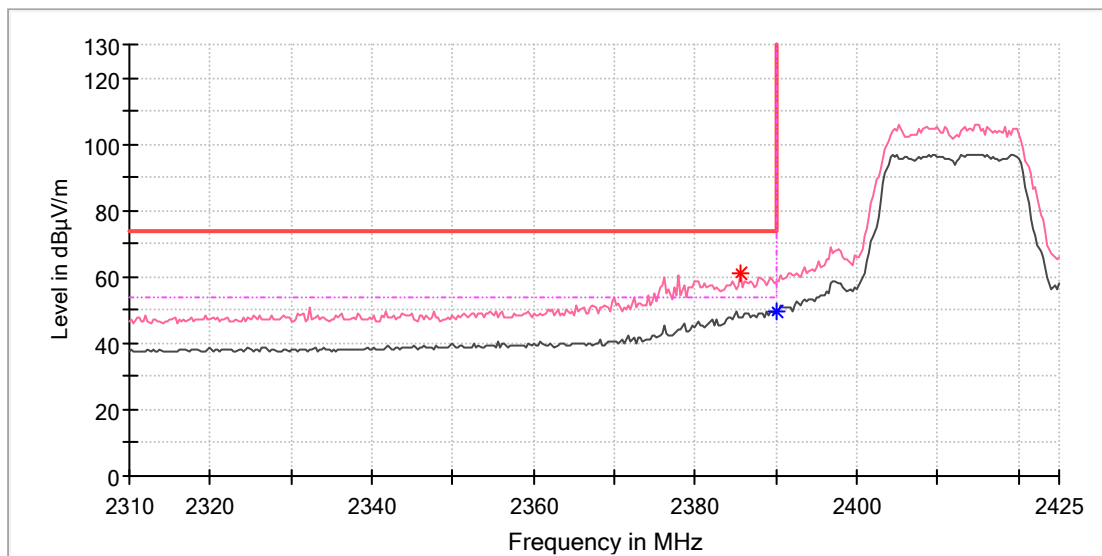
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2381.470588	63.52	---	74.00	10.48	150.0	H	143.0	7.0

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2386.764853	51.94	54.00	2.06	145.0	H	251.0	7.0

EUT Information

EUT Name: Thermostat
 Model: TC320B-G
 Test Mode: WIFI 2.4G_11g_Ch1
 Order No/Sample No: 168467440/A003646592-002
 Test Voltage:: 120V/60Hz
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

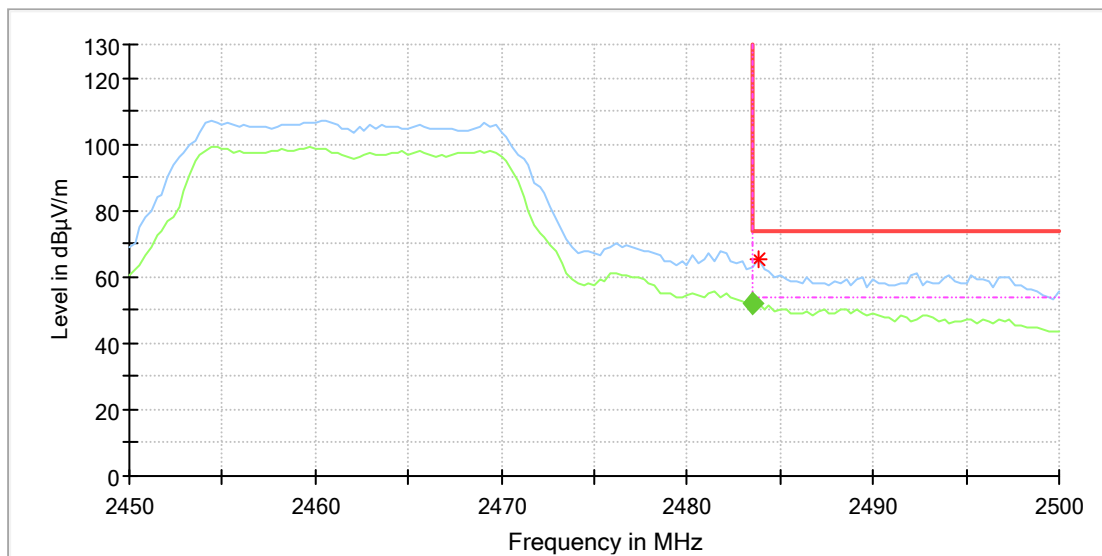


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2385.588235	61.01	---	74.00	12.99	150.0	V	92.0	7.0
2390.000000	---	49.76	54.00	4.24	150.0	V	92.0	7.0

EUT Information

EUT Name: Thermostat
 Model: TC320B-G
 Test Mode: WIFI 2.4G_11g_Ch11
 Order No/Sample No: 168467440/A003646592-002
 Test Voltage:: 120V/60Hz
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

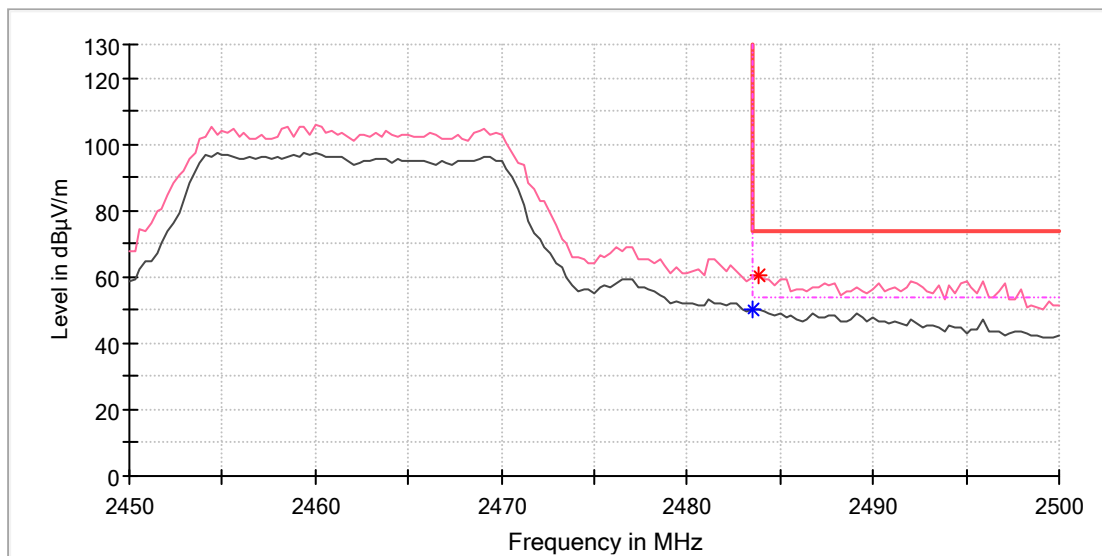
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.823529	65.59	---	74.00	8.41	150.0	H	132.0	7.4

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.529412	51.71	54.00	2.29	149.0	H	216.0	7.4

EUT Information

EUT Name:	Thermostat
Model:	TC320B-G
Test Mode:	WIFI 2.4G_11g_Ch11
Order No/Sample No:	168467440/A003646592-002
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

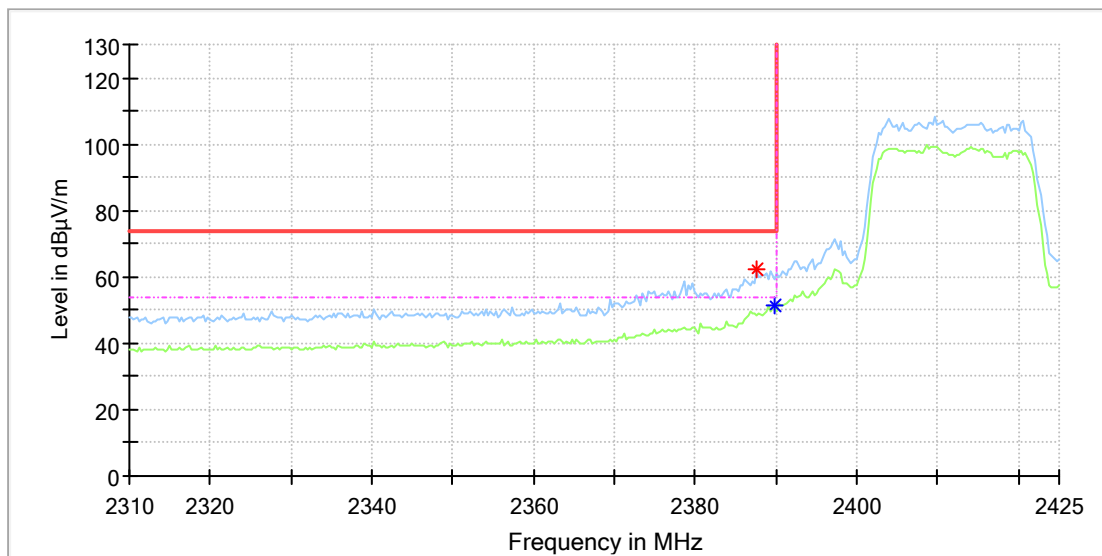


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.529412	---	50.01	54.00	3.99	150.0	V	62.0	7.4
2483.823529	60.57	---	74.00	13.43	150.0	V	62.0	7.4

EUT Information

EUT Name: Thermostat
 Model: TC320B-G
 Test Mode: WIFI 2.4G_11ax_Ch1
 Order No/Sample No: 168467440/A003646592-002
 Test Voltage:: 120V/60Hz
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

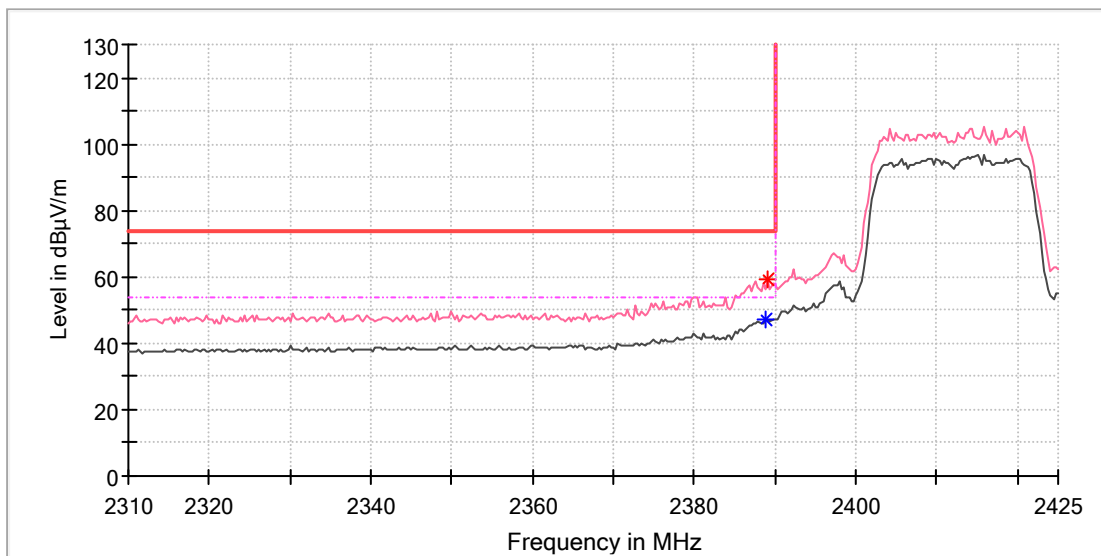


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2387.647059	61.99	---	74.00	12.01	150.0	H	122.0	7.0
2389.705882	---	51.27	54.00	2.73	150.0	H	199.0	7.0

EUT Information

EUT Name: Thermostat
 Model: TC320B-G
 Test Mode: WIFI 2.4G_11ax_Ch1
 Order No/Sample No: 168467440/A003646592-002
 Test Voltage:: 120V/60Hz
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

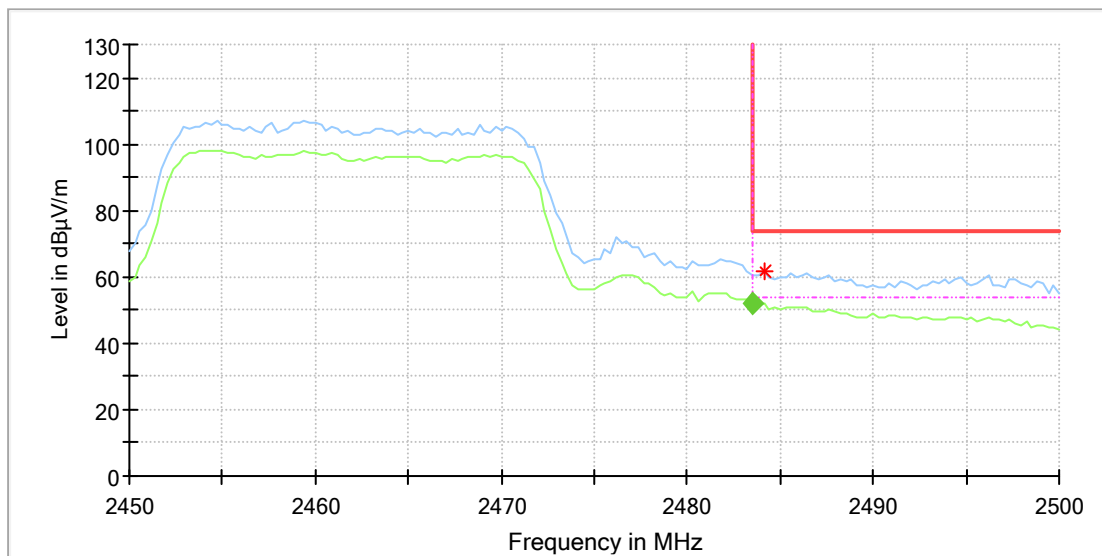


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.823529	---	47.40	54.00	6.60	150.0	V	215.0	7.0
2389.117647	59.01	---	74.00	14.99	150.0	V	82.0	7.0

EUT Information

EUT Name: Thermostat
 Model: TC320B-G
 Test Mode: WIFI 2.4G_11ax_Ch11
 Order No/Sample No: 168467440/A003646592-002
 Test Voltage:: 120V/60Hz
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

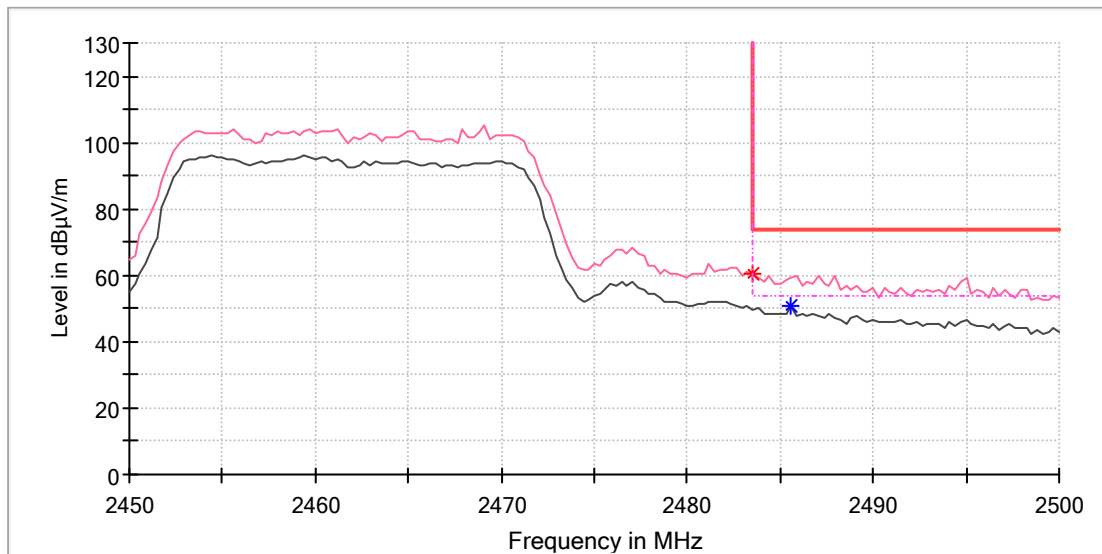
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.117647	61.49	---	74.00	12.51	150.0	H	220.0	7.4

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.529412	51.81	54.00	2.19	149.0	H	132.0	7.4

EUT Information

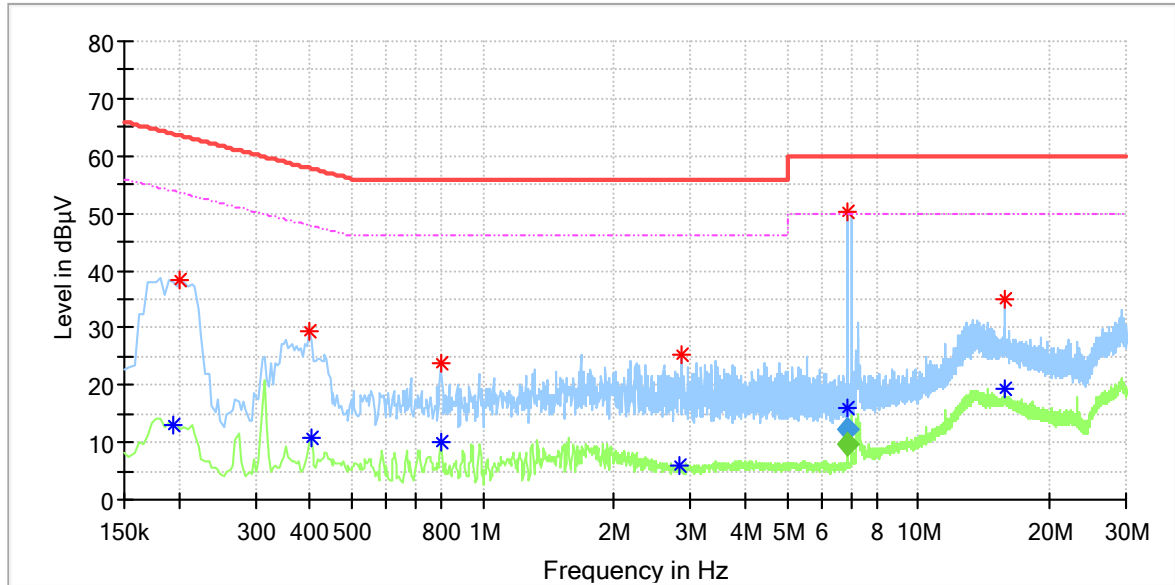
EUT Name:	Thermostat
Model:	TC320B-G
Test Mode:	WIFI 2.4G_11ax_Ch11
Order No/Sample No:	168467440/A003646592-002
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



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	60.19	---	74.00	13.81	150.0	V	303.0	7.4
2485.588235	---	50.53	54.00	3.47	150.0	V	54.0	7.4

APPENDIX B.7: CONDUCTED EMISSION ON AC MAINS

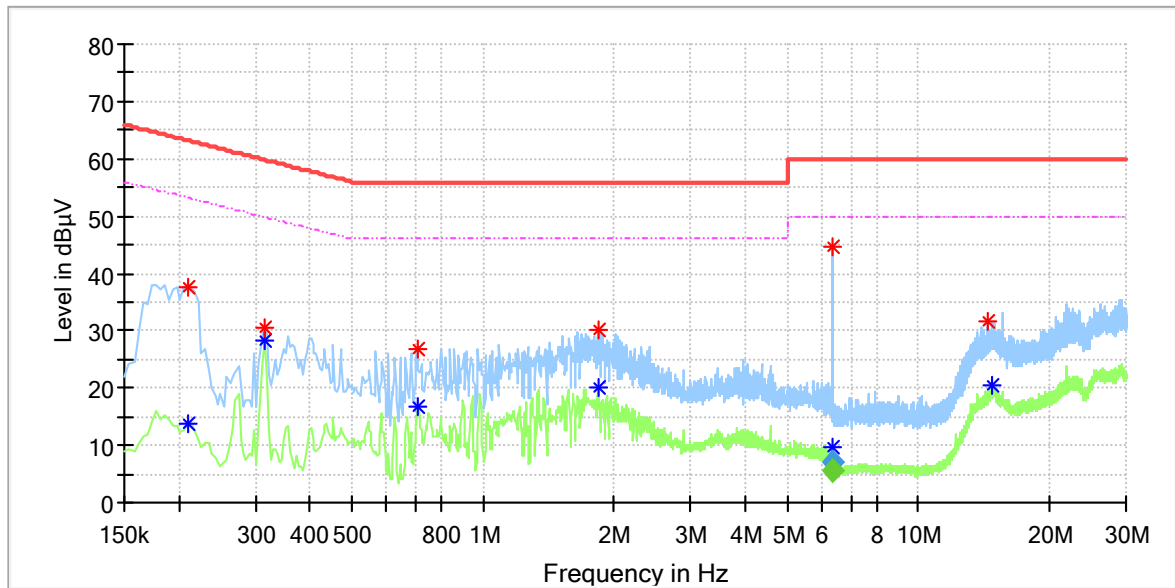


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.194000	---	13.20	53.86	40.67	L1	9.8
0.202000	38.31	---	63.53	25.22	L1	9.8
0.398000	29.34	---	57.90	28.55	L1	9.9
0.402000	---	10.61	47.81	37.20	L1	9.9
0.800000	---	9.87	46.00	36.13	L1	9.8
0.800000	23.70	---	56.00	32.30	L1	9.8
2.840000	---	6.06	46.00	39.94	L1	9.9
2.864000	25.21	---	56.00	30.79	L1	9.9
6.894500	---	15.99	50.00	34.01	L1	9.9
6.906500	50.25	---	60.00	9.75	L1	9.9
15.844000	---	19.36	50.00	30.64	L1	10.2
15.844000	34.97	---	60.00	25.03	L1	10.2

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
6.894500	---	9.74	50.00	40.26	1000.0	9.000	L1	9.9
6.906500	12.42	---	60.00	47.58	1000.0	9.000	L1	9.9



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.210000	---	13.94	53.21	39.27	N	9.7
0.210000	37.67	---	63.21	25.54	N	9.7
0.314000	---	28.41	49.86	21.45	N	9.7
0.314000	30.63	---	59.86	29.24	N	9.7
0.708000	26.78	---	56.00	29.22	N	9.8
0.712000	---	16.75	46.00	29.25	N	9.8
1.836000	---	20.20	46.00	25.80	N	9.9
1.836000	30.10	---	56.00	25.90	N	9.9
6.362500	44.64	---	60.00	15.36	N	9.9
6.374500	---	9.75	50.00	40.25	N	9.9
14.476000	31.48	---	60.00	28.52	N	10.1
14.748000	---	20.39	50.00	29.61	N	10.1

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
6.362500	6.95	---	60.00	53.05	1000.0	9.000	N	9.9
6.374500	---	5.49	50.00	44.51	1000.0	9.000	N	9.9