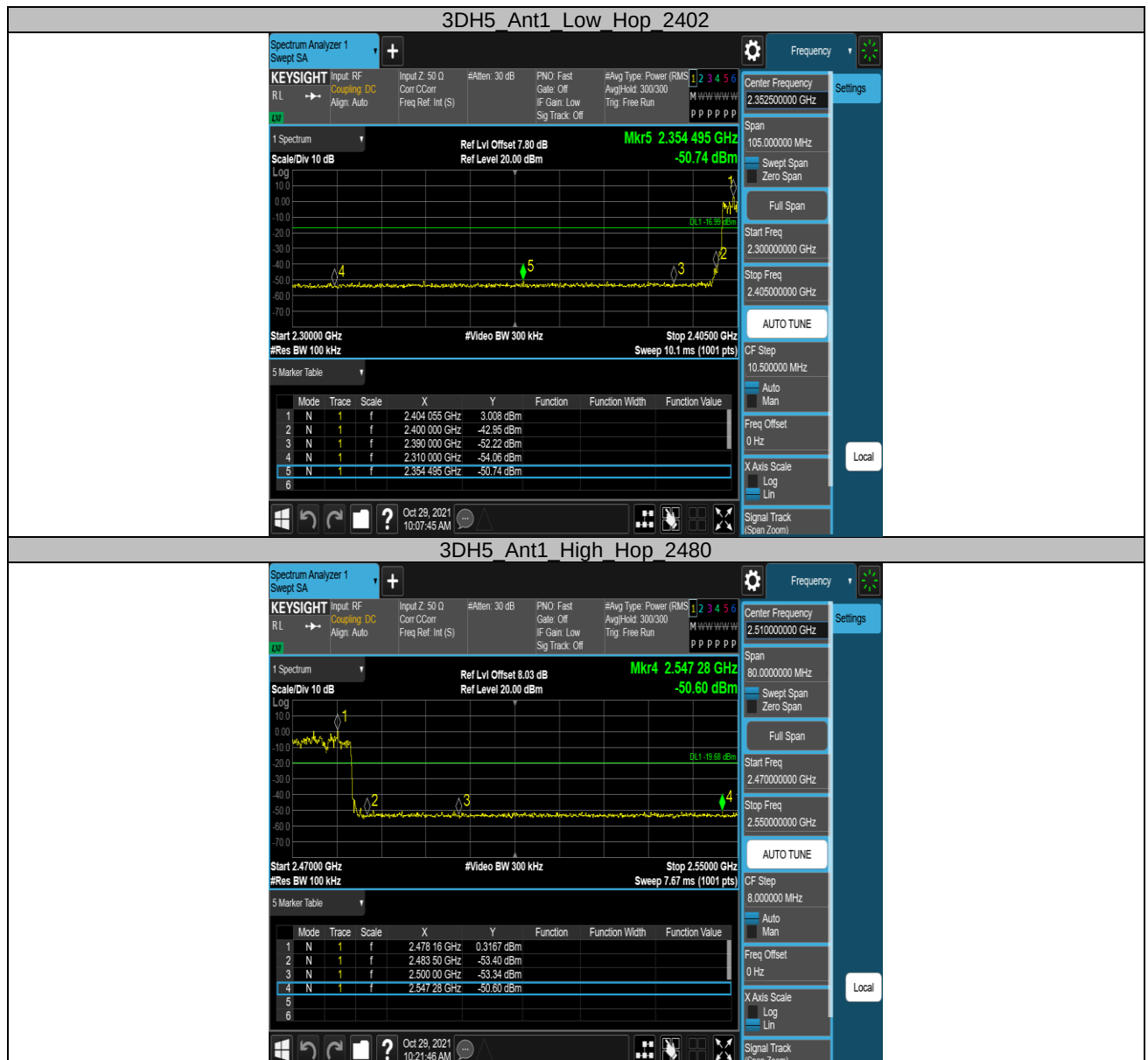






Note: Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

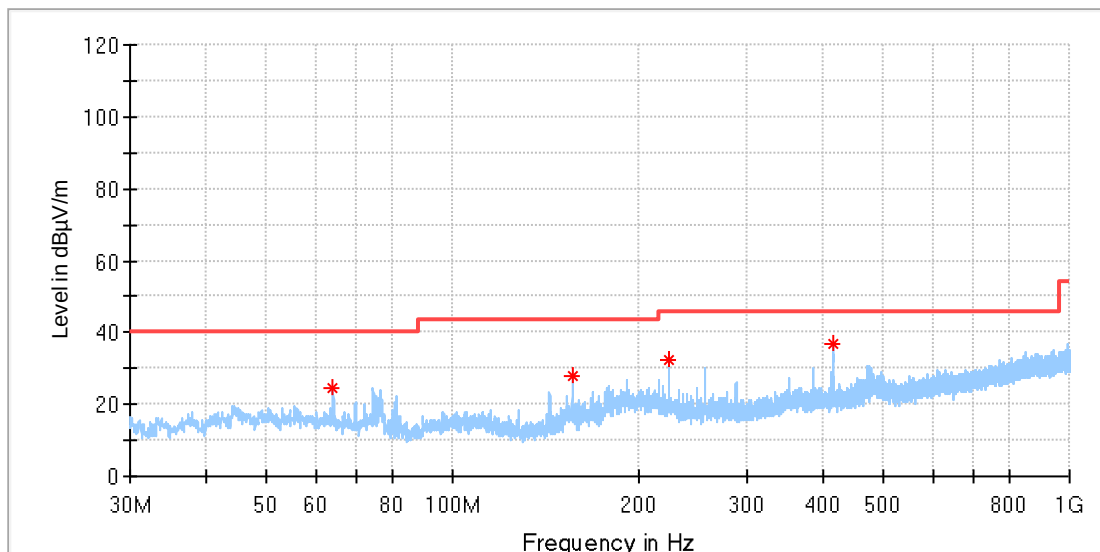
Appendix B.7: Test Results of Radiated Spurious Emissions

Note: This testing was carried out on different modulations, but only the worst case was presented in this report.

30MHz - 1GHz

EUT Information

EUT Name:	Loop100
Model:	CL101A
Test Mode:	BR_DH5_Low channel
Test Voltage::	DC 5V by USB port(PC input AC 120V/60Hz)
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

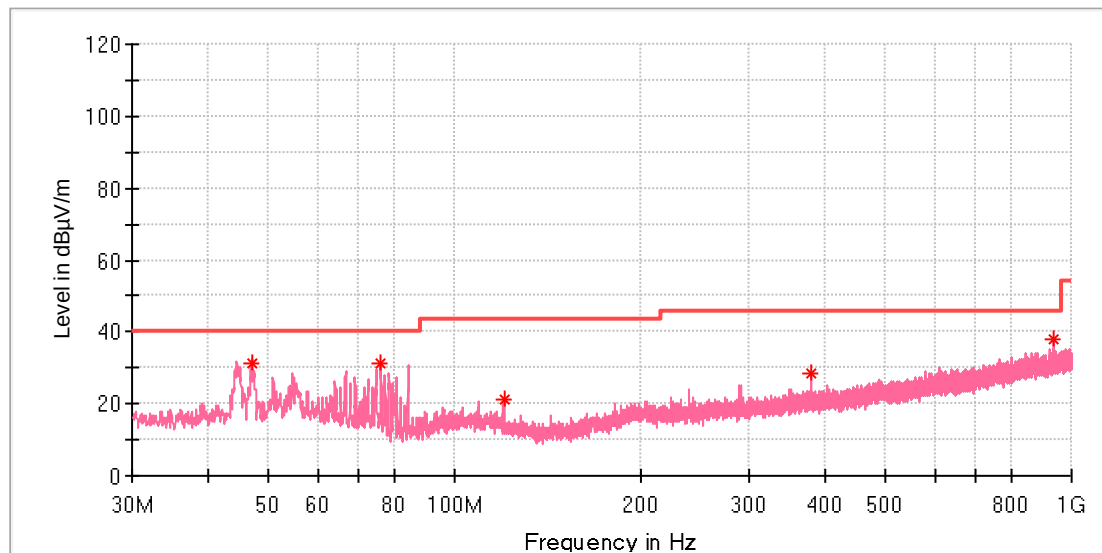


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
63.998500	24.58	40.00	15.42	100.0	H	0.0	-19.8
156.148500	27.99	43.50	15.51	100.0	H	240.0	-22.0
224.048500	32.24	46.00	13.76	100.0	H	222.0	-18.3
412.859000	36.69	46.00	9.31	100.0	H	0.0	-13.5

EUT Information

EUT Name: Loop100
Model: CL101A
Test Mode: BR_DH5_Low channel
Test Voltage:: DC 5V by USB port(PC input AC 120V/60Hz)
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

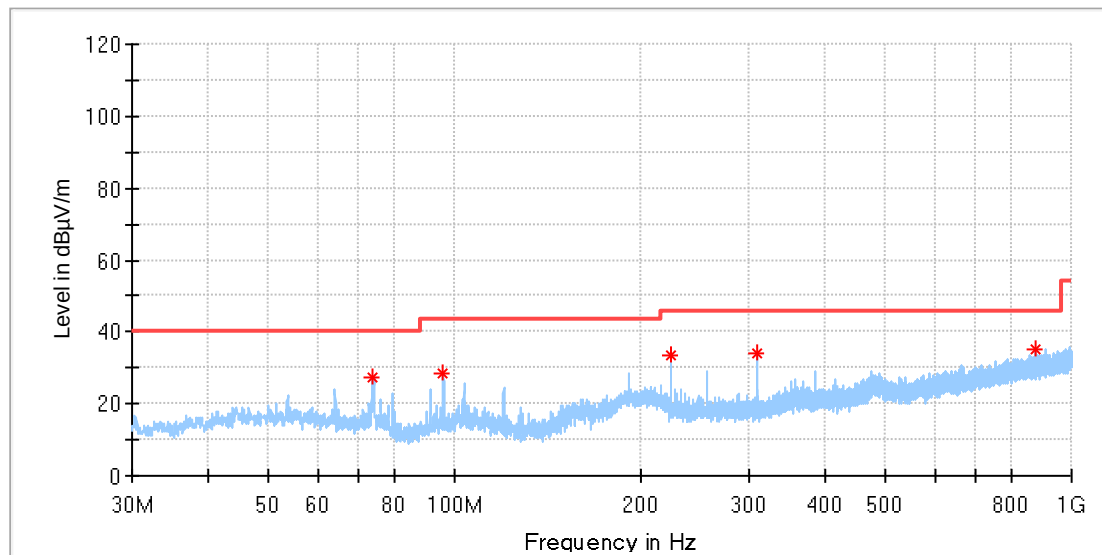


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
46.829500	31.25	40.00	8.75	100.0	V	160.0	-18.5
75.978000	31.46	40.00	8.54	100.0	V	87.0	-23.4
120.113000	21.04	43.50	22.46	100.0	V	42.0	-20.8
377.745000	28.27	46.00	17.73	100.0	V	347.0	-14.3
937.532000	37.82	46.00	8.18	100.0	V	311.0	-4.6

EUT Information

EUT Name:	Loop100
Model:	CL101A
Test Mode:	BR_DH5_High channel
Test Voltage::	DC 5V by USB port(PC input AC 120V/60Hz)
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

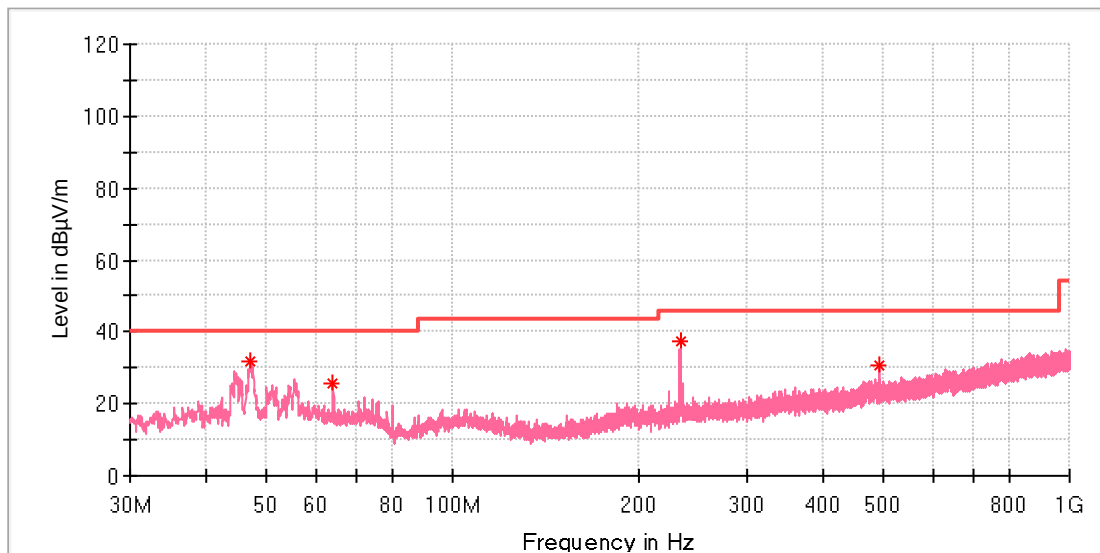


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
73.407500	27.33	40.00	12.67	100.0	H	341.0	-22.9
95.814500	28.59	43.50	14.91	100.0	H	75.0	-19.6
224.048500	33.58	46.00	12.42	100.0	H	256.0	-18.3
308.341500	34.26	46.00	11.74	100.0	H	272.0	-16.0
876.131000	35.01	46.00	10.99	100.0	H	143.0	-5.2

EUT Information

EUT Name:	Loop100
Model:	CL101A
Test Mode:	BR_DH5_High channel
Test Voltage::	DC 5V by USB port(PC input AC 120V/60Hz)
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

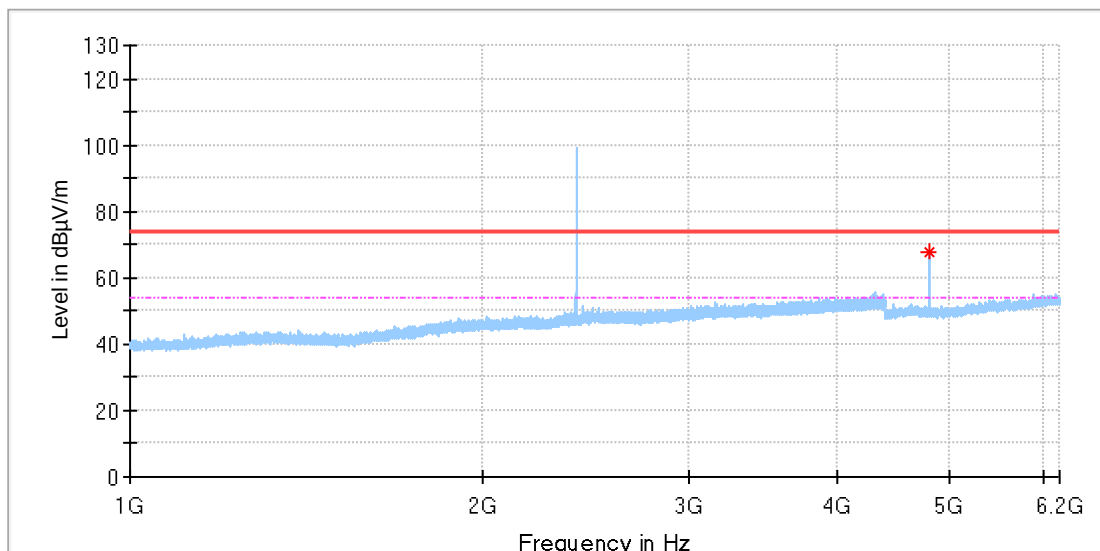
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
46.926500	31.66	40.00	8.34	100.0	V	301.0	-18.5
63.998500	25.41	40.00	14.59	100.0	V	266.0	-19.8
234.621500	37.55	46.00	8.45	100.0	V	1.0	-17.9
491.768500	30.58	46.00	15.42	100.0	V	329.0	-11.9

1GHz - 18GHz

Note: The highest waveform in the figure is Bluetooth Fundamental.

EUT Information

EUT Name:	Loop100
Model:	CL101A
Test Mode:	BR_DH5_Low channel
Test Voltage::	DC 5V by USB port(PC input AC 120V/60Hz)
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

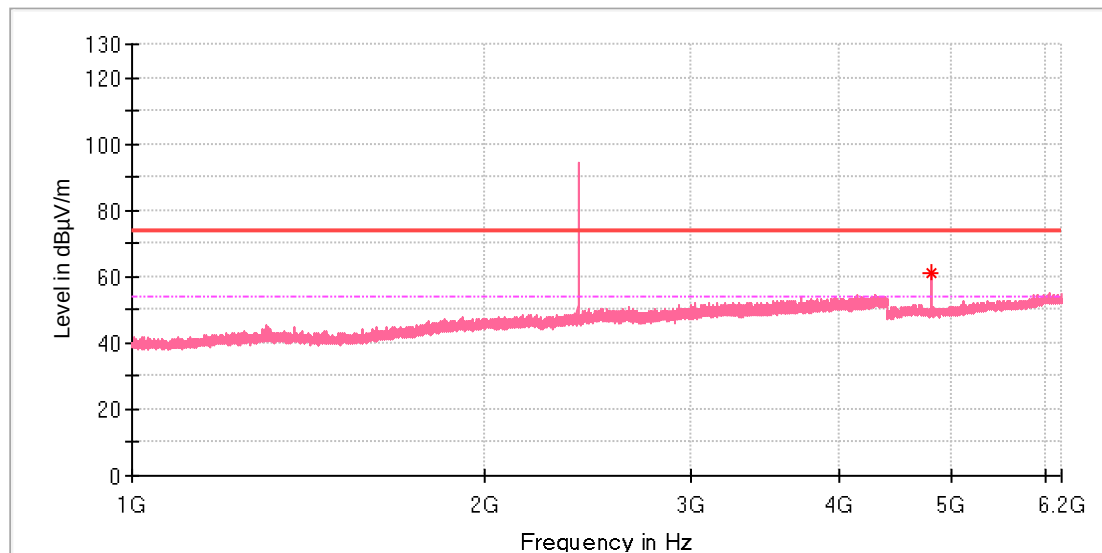
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4803.500000	67.84	---	74.00	6.16	100.0	H	167.0	11.8

Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4803.500000	37.04	54.00	16.96	100.0	H	167.0	11.8

EUT Information

EUT Name: Loop100
Model: CL101A
Test Mode: BR_DH5_Low channel
Test Voltage:: DC 5V by USB port(PC input AC 120V/60Hz)
Remark: Temp 23 Humi:45%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

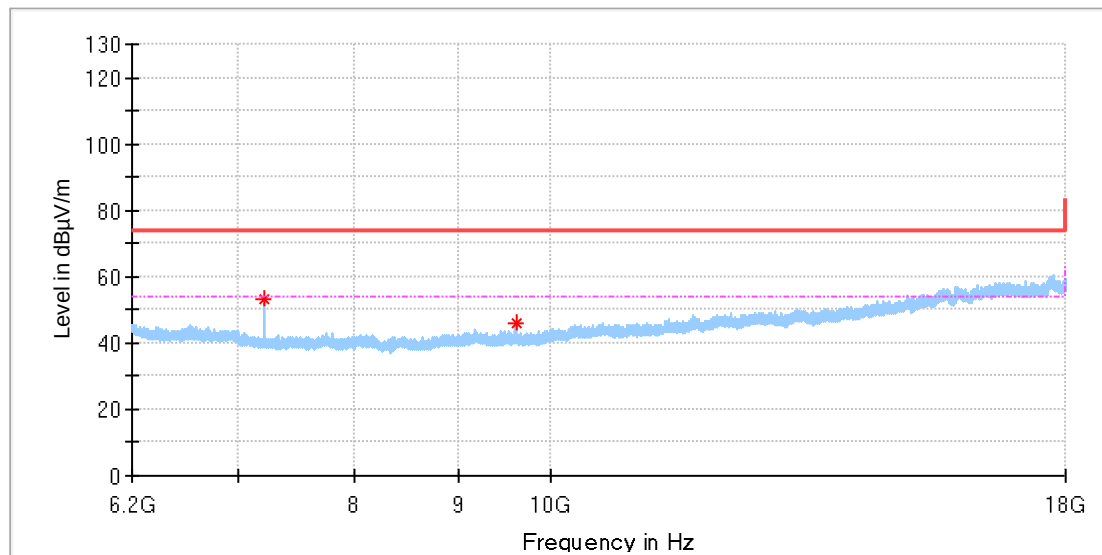
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4804.500000	61.16	---	74.00	12.84	100.0	V	348.0	11.8

Final_Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4804.500000	30.36	54.00	23.64	100.0	V	348.0	11.8

EUT Information

EUT Name:	Loop100
Model:	CL101A
Test Mode:	BR_DH5_Low channel
Test Voltage::	DC 5V by USB port(PC input AC 120V/60Hz)
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

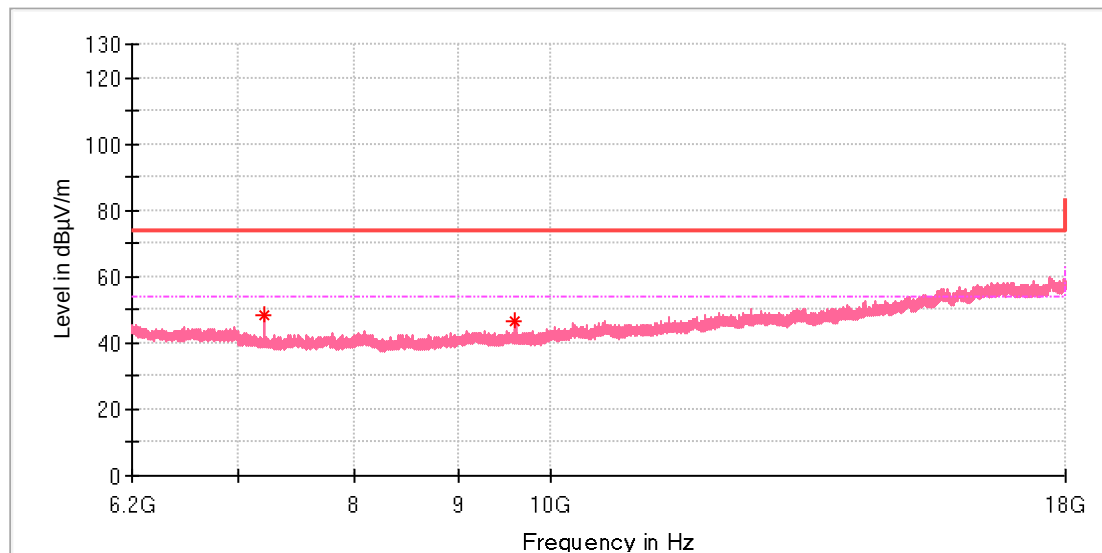


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7205.950000	53.38	---	74.00	20.62	100.0	H	52.0	8.8
9608.233333	46.05	---	74.00	27.95	100.0	H	202.0	10.4

EUT Information

EUT Name: Loop100
Model: CL101A
Test Mode: BR_DH5_Low channel
Test Voltage:: DC 5V by USB port(PC input AC 120V/60Hz)
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

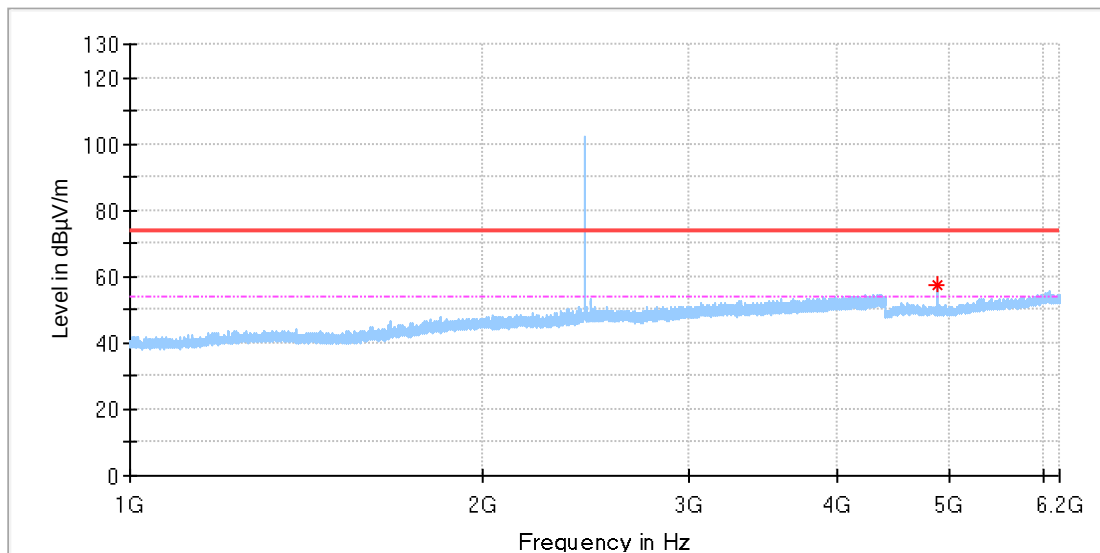


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7205.950000	48.46	---	74.00	25.54	100.0	V	261.0	8.8
9607.250000	46.28	---	74.00	27.72	100.0	V	285.0	10.4

EUT Information

EUT Name: Loop100
Model: CL101A
Test Mode: BR_DH5_Mid channel
Test Voltage:: DC 5V by USB port(PC input AC 120V/60Hz)
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

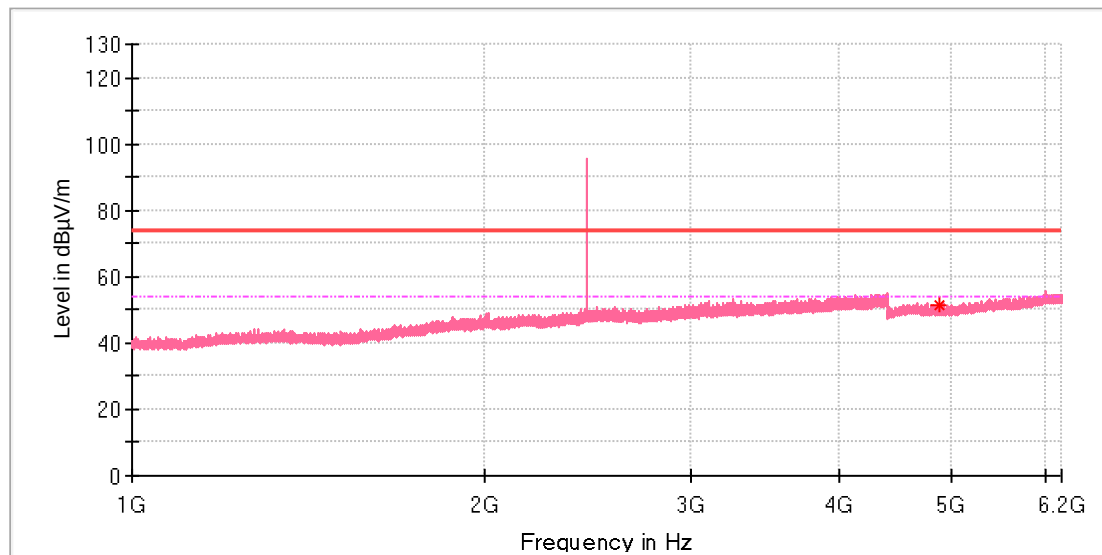
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4882.000000	57.37	---	74.00	16.63	100.0	H	263.0	11.8

Final_Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4882.000000	26.57	54.00	27.43	100.0	H	263.0	11.8

EUT Information

EUT Name: Loop100
Model: CL101A
Test Mode: BR_DH5_Mid channel
Test Voltage:: DC 5V by USB port(PC input AC 120V/60Hz)
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

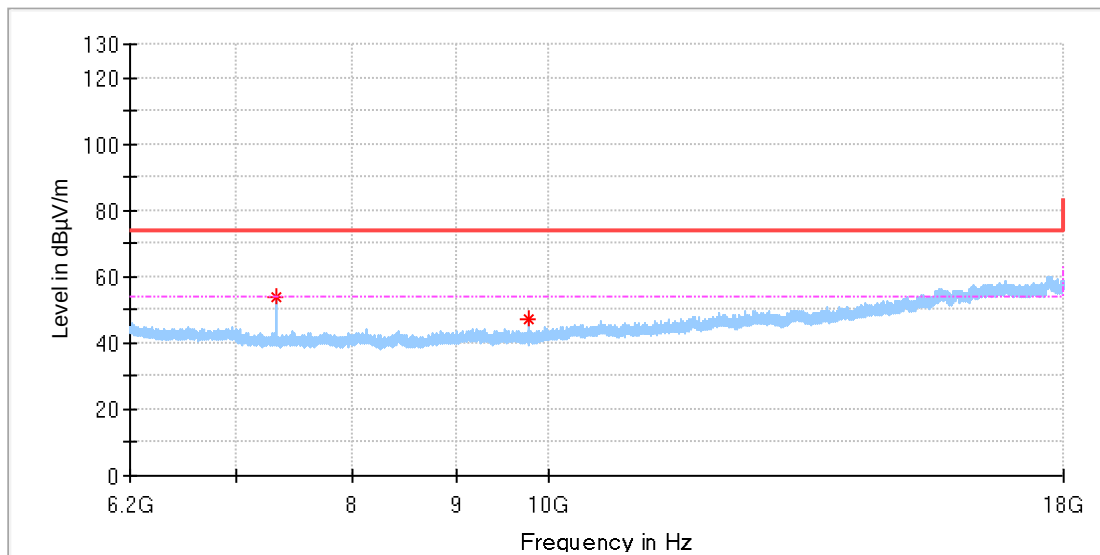


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4881.000000	51.14	---	74.00	22.86	100.0	V	124.0	11.8

EUT Information

EUT Name:	Loop100
Model:	CL101A
Test Mode:	BR_DH5_Mid channel
Test Voltage::	DC 5V by USB port(PC input AC 120V/60Hz)
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

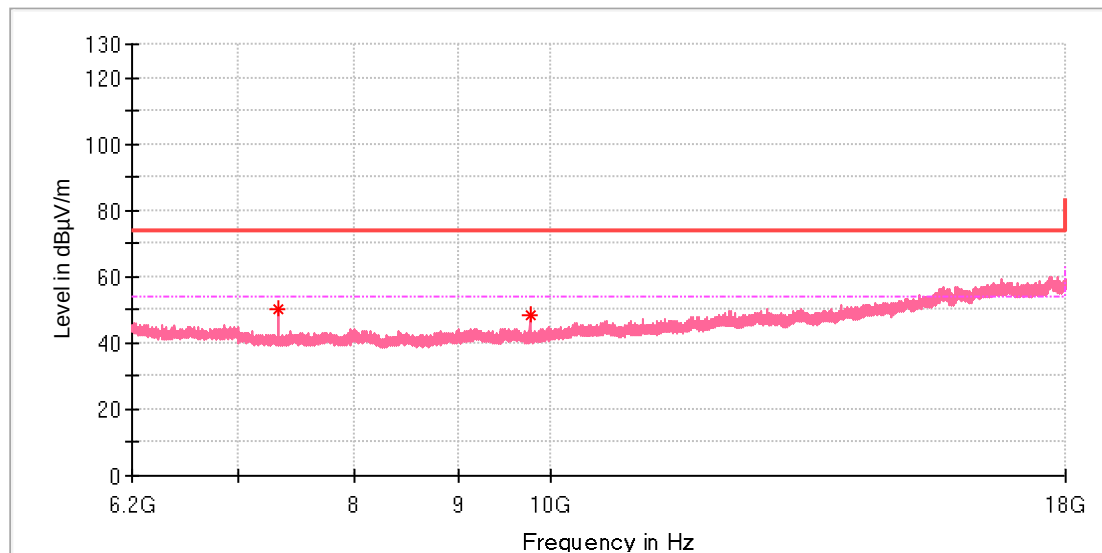


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7322.475000	53.63	---	74.00	20.37	100.0	H	59.0	8.2
9763.600000	47.07	---	74.00	26.93	100.0	H	82.0	10.4

EUT Information

EUT Name:	Loop100
Model:	CL101A
Test Mode:	BR_DH5_Mid channel
Test Voltage::	DC 5V by USB port(PC input AC 120V/60Hz)
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

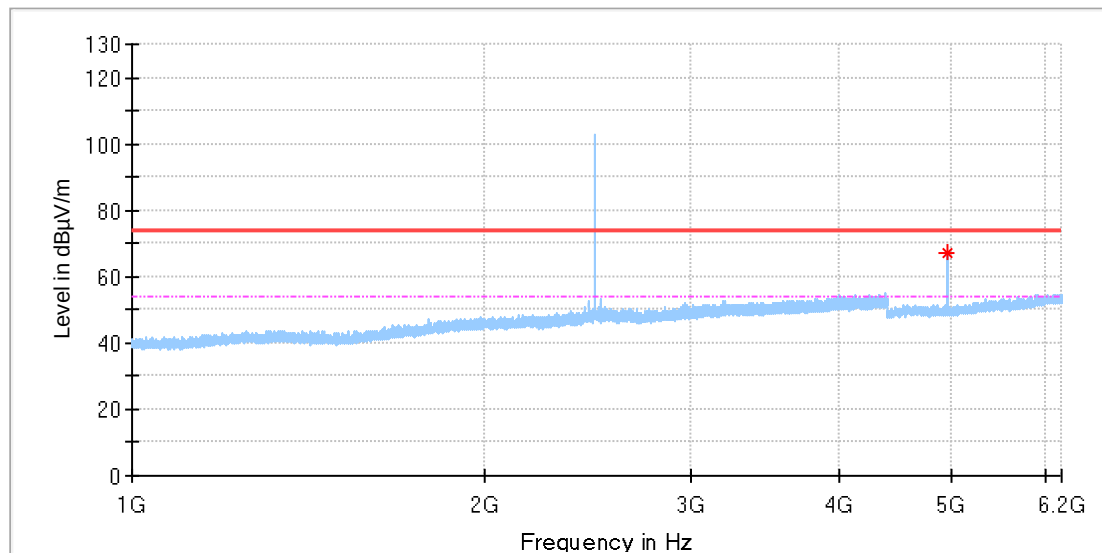


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7322.475000	50.29	---	74.00	23.71	100.0	V	255.0	8.2
9763.108333	48.49	---	74.00	25.51	100.0	V	288.0	10.4

EUT Information

EUT Name: Loop100
Model: CL101A
Test Mode: BR_DH5_High channel
Test Voltage:: DC 5V by USB port(PC input AC 120V/60Hz)
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

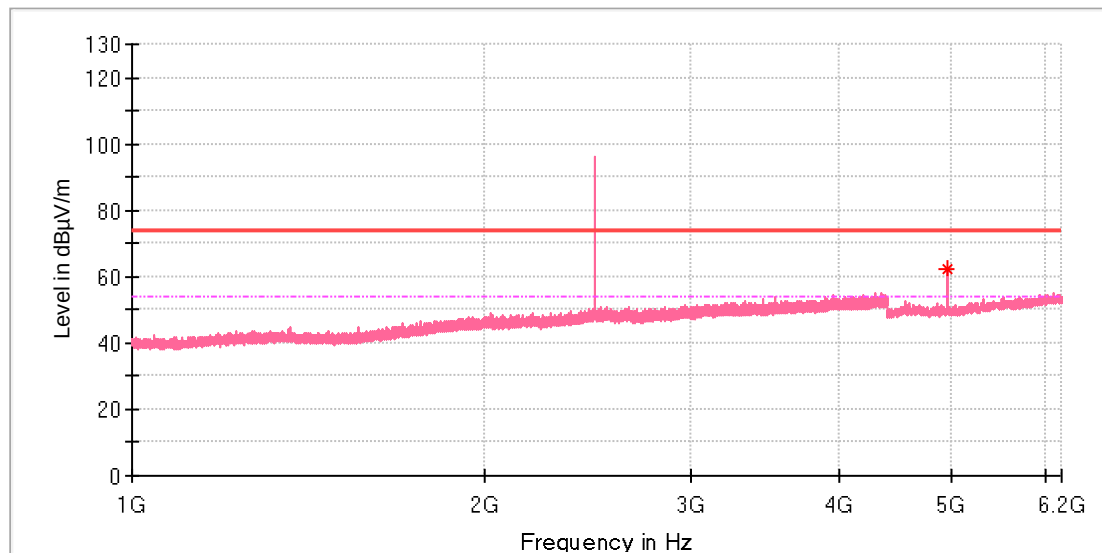
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4960.000000	66.97	---	74.00	7.03	100.0	H	61.0	11.8

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4960.000000	36.17	54.00	17.83	100.0	H	61.0	11.8

EUT Information

EUT Name: Loop100
Model: CL101A
Test Mode: BR_DH5_High channel
Test Voltage:: DC 5V by USB port(PC input AC 120V/60Hz)
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

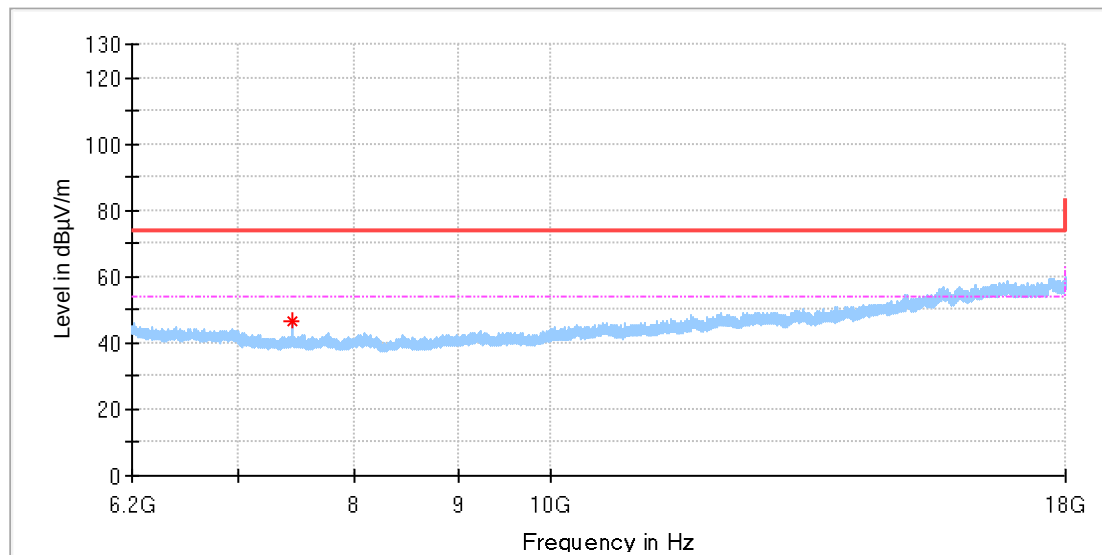
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4959.500000	62.27	---	74.00	11.73	100.0	V	129.0	11.8

Final_Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4959.500000	31.47	54.00	22.53	100.0	V	129.0	11.8

EUT Information

EUT Name:	Loop100
Model:	CL101A
Test Mode:	BR_DH5_High channel
Test Voltage::	DC 5V by USB port(PC input AC 120V/60Hz)
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

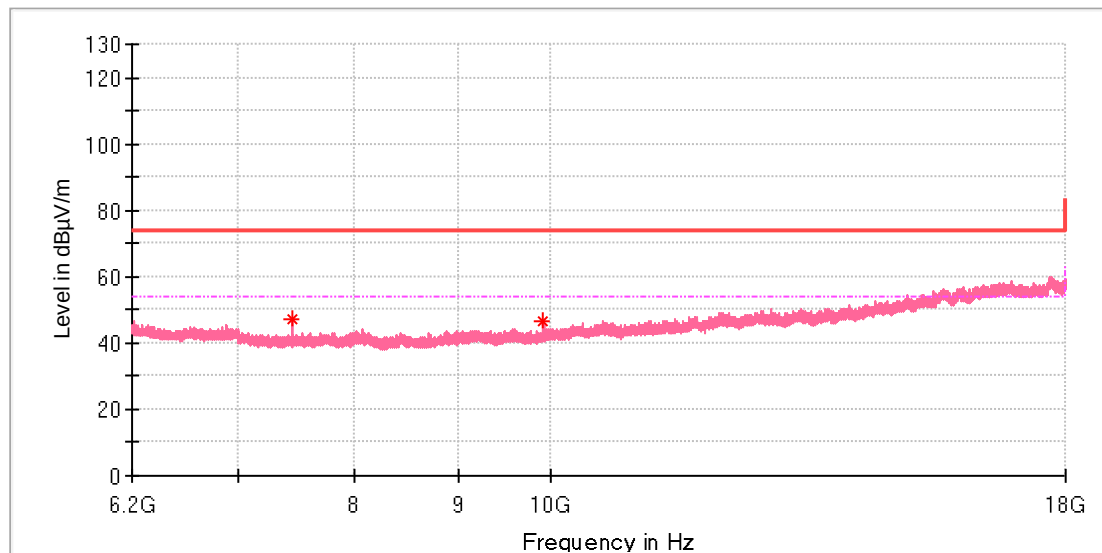


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7439.000000	46.29	---	74.00	27.71	100.0	H	147.0	8.4

EUT Information

EUT Name:	Loop100
Model:	CL101A
Test Mode:	BR_DH5_High channel
Test Voltage::	DC 5V by USB port(PC input AC 120V/60Hz)
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



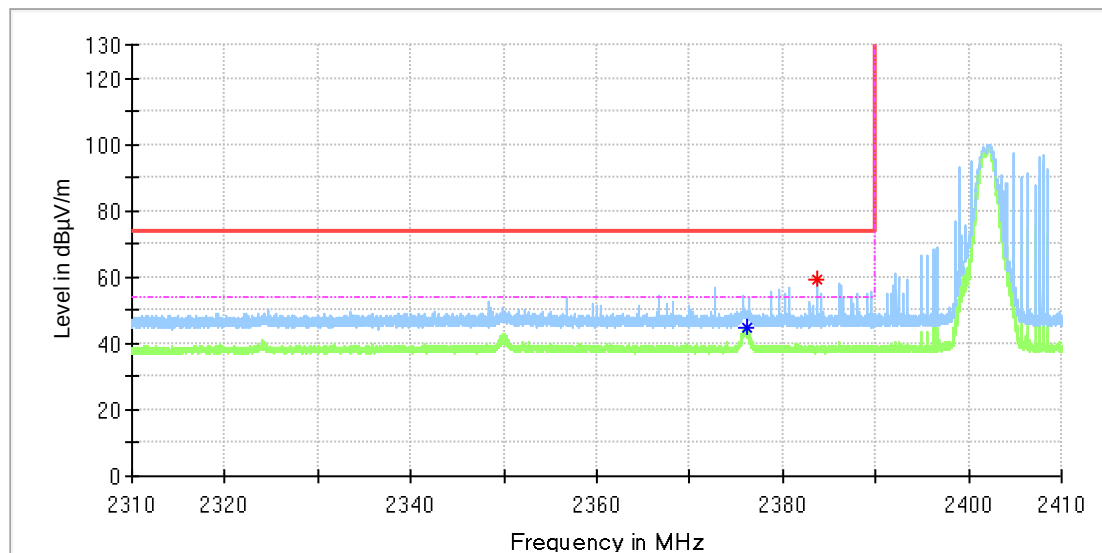
Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7439.491667	47.39	---	74.00	26.61	100.0	V	270.0	8.4
9918.966667	46.56	---	74.00	27.44	100.0	V	91.0	10.8

Appendix B.8: Test Results of Radiated Emissions in Restricted Bands

EUT Information

EUT Name:	Loop100
Model:	CL101A
Test Mode:	BR_DH5_Low channel
Test Voltage::	DC 5V by USB port(PC input AC 120V/60Hz)
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

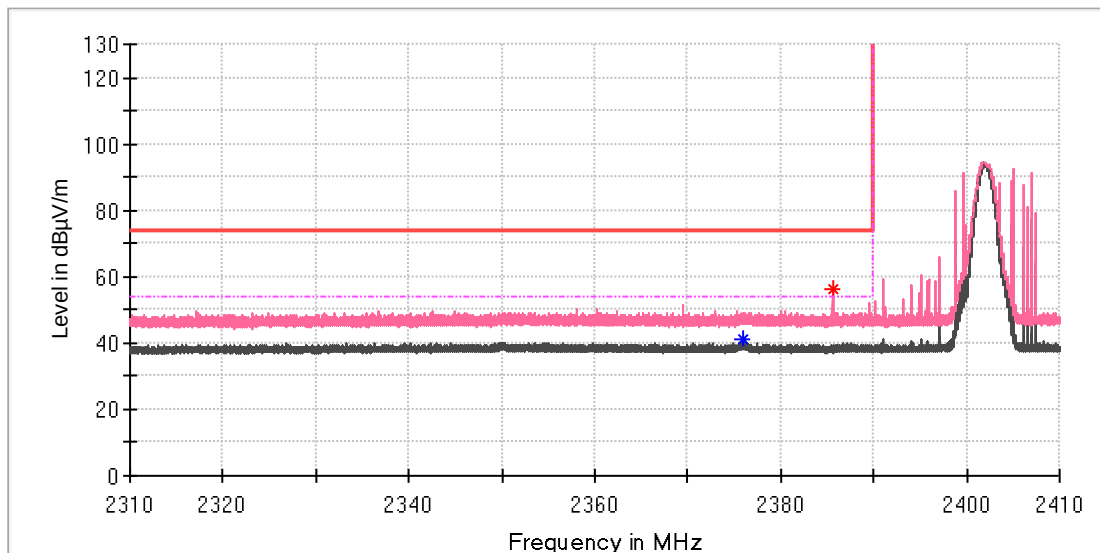


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2376.135000	---	44.47	54.00	9.53	100.0	H	136.0	6.9
2383.625000	59.10	---	74.00	14.90	100.0	H	290.0	7.0

EUT Information

EUT Name:	Loop100
Model:	CL101A
Test Mode:	BR_DH5_Low channel
Test Voltage::	DC 5V by USB port(PC input AC 120V/60Hz)
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

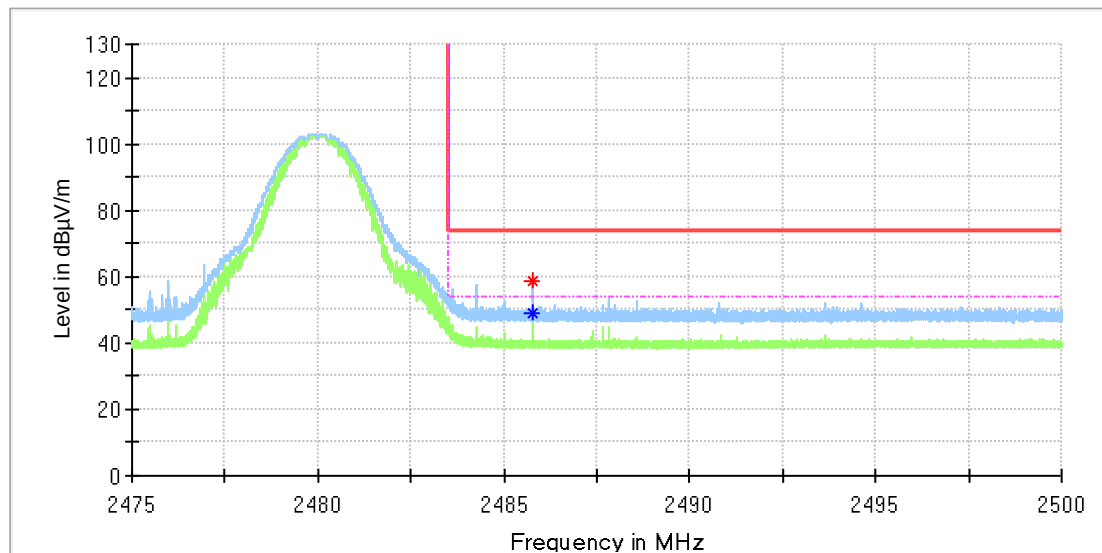


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2376.035000	---	41.10	54.00	12.90	100.0	V	233.0	6.9
2385.540000	56.37	---	74.00	17.63	100.0	V	166.0	7.0

EUT Information

EUT Name:	Loop100
Model:	CL101A
Test Mode:	BR_DH5_High channel
Test Voltage::	DC 5V by USB port(PC input AC 120V/60Hz)
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

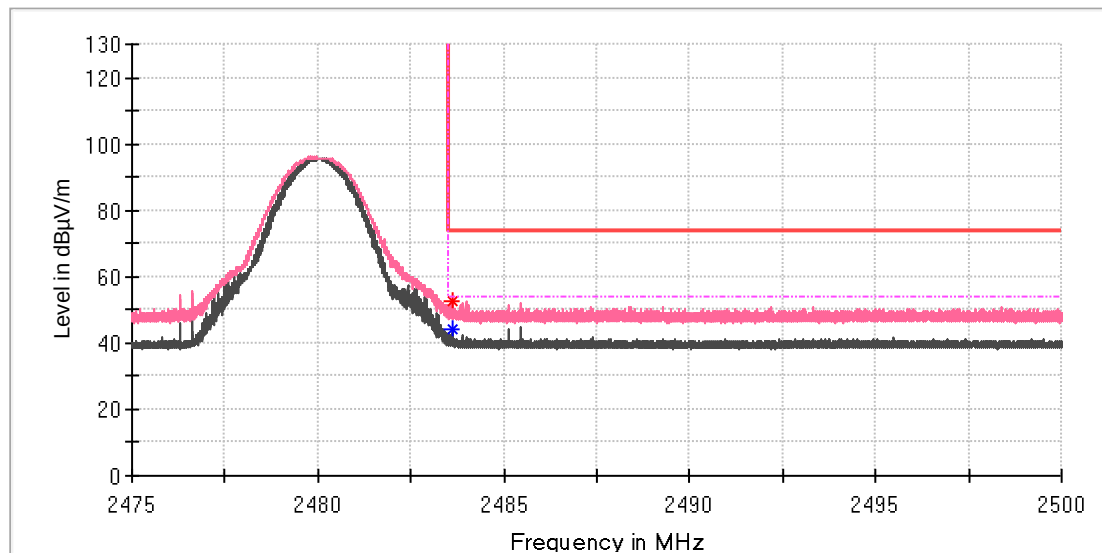


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2485.785000	58.63	---	74.00	15.37	100.0	H	216.0	7.4
2485.788750	---	49.10	54.00	4.90	100.0	H	216.0	7.4

EUT Information

EUT Name:	Loop100
Model:	CL101A
Test Mode:	BR_DH5_High channel
Test Voltage::	DC 5V by USB port(PC input AC 120V/60Hz)
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



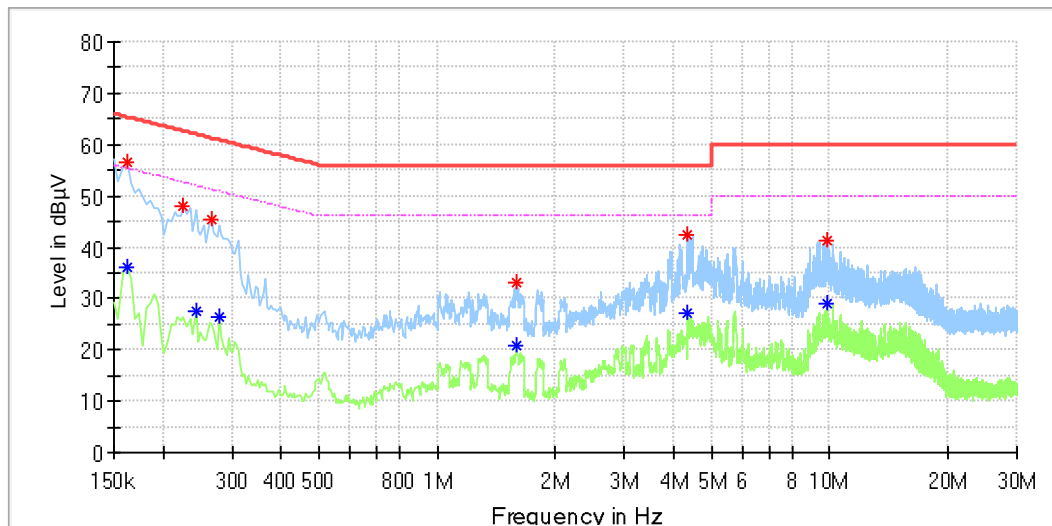
Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.635000	---	43.93	54.00	10.07	100.0	V	174.0	7.4
2483.638750	52.86	---	74.00	21.14	100.0	V	174.0	7.4

Appendix B.9: Test Results of Conducted Emission

EUT Information

EUT Name: Loop100
Order No: 168333585 200
Model: CL101A
Test mode: Normal Operation(BT Link)
Test Voltage: DC 5V by USB port(PC input AC 120V/60Hz)
Test By: Shower Dai
Review By: Gary Chen
Remark: SR2

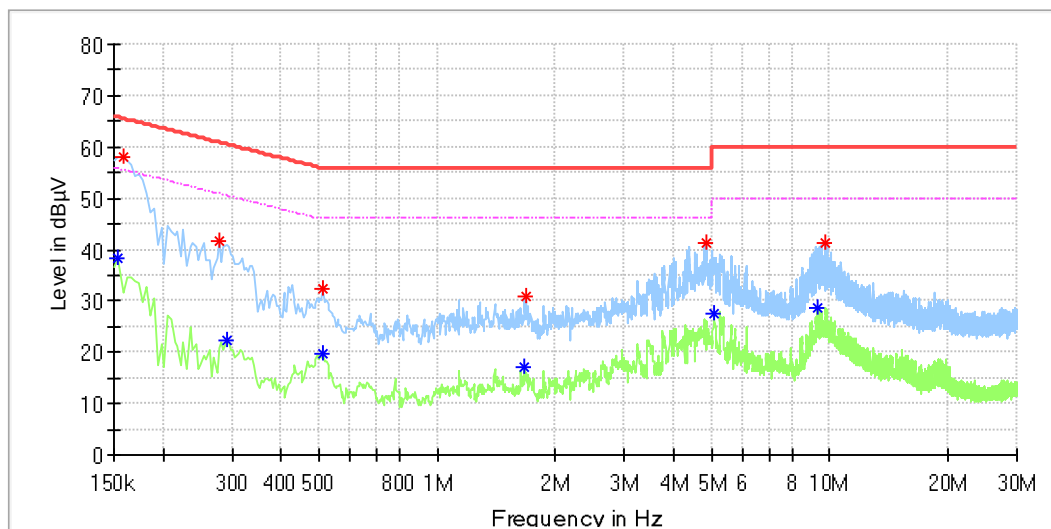


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.162000	56.66	---	65.36	8.71	L1	9.9
0.162000	---	36.20	55.36	19.16	L1	9.9
0.226000	47.92	---	62.60	14.68	L1	9.9
0.242000	---	27.67	52.03	24.36	L1	9.9
0.266000	45.50	---	61.24	15.74	L1	9.9
0.278000	---	26.50	50.88	24.38	L1	9.9
1.594000	---	20.68	46.00	25.32	L1	10.1
1.594000	33.02	---	56.00	22.98	L1	10.1
4.354000	42.33	---	56.00	13.67	L1	10.2
4.354000	---	27.23	46.00	18.77	L1	10.2
9.818000	---	29.00	50.00	21.00	L1	10.3
9.886000	41.38	---	60.00	18.62	L1	10.3

EUT Information

EUT Name: Loop100
Order No: 168333585 200
Model: CL101A
Test mode: Normal Operation(BT Link)
Test Voltage: DC 5V by USB port(PC input AC 120V/60Hz)
Test By: Shower Dai
Review By: Gary Chen
Remark: SR2



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.154000	---	38.29	55.78	17.50	N	9.8
0.158000	58.20	---	65.57	7.37	N	9.8
0.278000	41.67	---	60.88	19.20	N	9.8
0.290000	---	22.30	50.52	28.22	N	9.8
0.510000	32.35	---	56.00	23.65	N	9.8
0.514000	---	19.60	46.00	26.40	N	9.8
1.674000	---	17.12	46.00	28.88	N	9.8
1.682000	30.87	---	56.00	25.13	N	9.8
4.858000	41.20	---	56.00	14.80	N	9.9
5.058000	---	27.42	50.00	22.58	N	9.9
9.334000	---	28.73	50.00	21.27	N	10.0
9.778000	41.28	---	60.00	18.72	N	10.0