

Appendix B: Test Results of FCC 15B & ICES-003

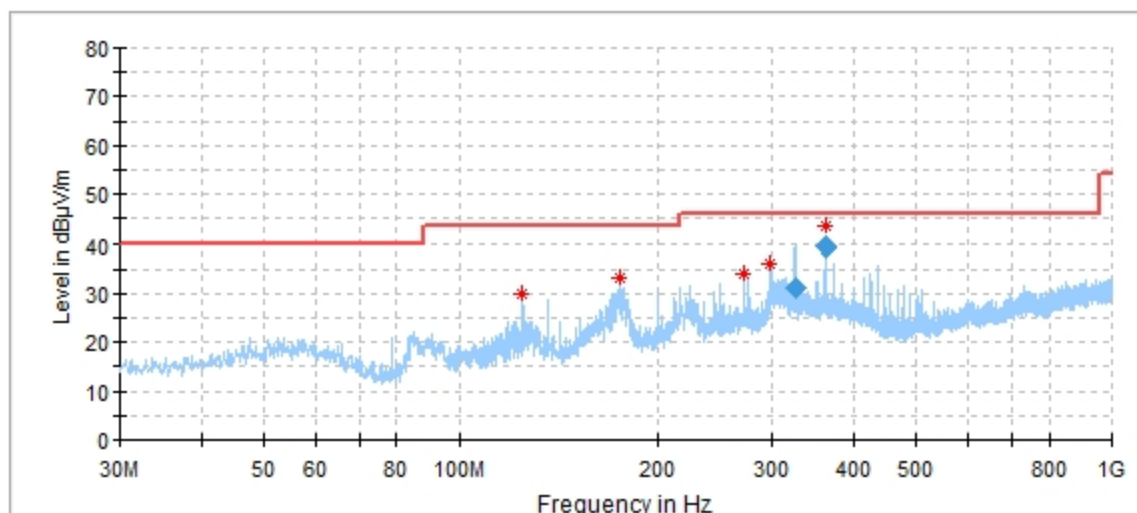
APPENDIX B: TEST RESULTS OF FCC 15B & ICES-003	1
APPENDIX B.1: TEST PLOTS OF RADIATED EMISSION, BELOW 1GHz	2
<i>Print by USB +Print by RJ45 + NFC mode.....</i>	<i>2</i>
APPENDIX B.2: TEST PLOTS OF RADIATED EMISSION, ABOVE 1GHz.....	4
<i>Print by USB +Print by RJ45 + NFC mode.....</i>	<i>4</i>
APPENDIX B.3: TEST PLOTS OF CONDUCTED EMISSIONS ON AC MAINS	6

Appendix B.1: Test Plots of Radiated Emission, Below 1GHz

Print by USB +Print by RJ45 + NFC mode

EUT Information

EUT Name:	Label maker
Model	LabelWriter 5XL
Order No:	168292741 Item
Test Mode:	ON
Test Voltage:	AC 120V/60Hz
Test By:	Ouyang Wang
Review By:	Gary Chen
Remark:	3m Chamber



Critical_Freqs

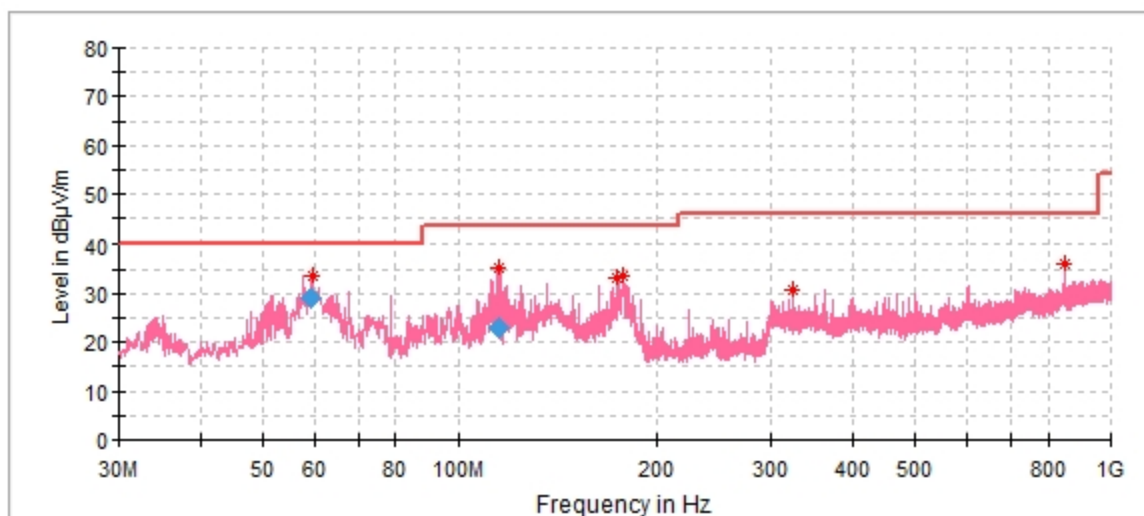
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
124.963000	30.07	43.50	13.43	100.0	H	189.0	19
174.918000	33.29	43.50	10.21	100.0	H	189.0	21
271.142000	33.87	46.00	12.13	100.0	H	104.0	20
298.302000	36.23	46.00	9.77	100.0	H	150.0	20
325.402000	31.77	46.00	14.23	105.0	H	244.0	22
362.302000	43.42	46.00	2.58	100.0	H	123.0	23

Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
325.402000	31.37	46.00	14.63	1000.0	120.000	105.0	H	244.0	22
362.302000	39.55	46.00	6.45	1000.0	120.000	100.0	H	123.0	23

EUT Information

EUT Name:	Label maker
Model	LabelWriter 5XL
Order No:	168292741 Item
Test Mode:	ON
Test Voltage:	AC 120V/60Hz
Test By:	Ouyang Wang
Review By:	Gary Chen
Remark:	3m Chamber



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
59.488000	33.76	40.00	6.24	100.0	V	86.0	21
115.146000	35.20	43.50	8.30	153.0	V	274.0	19
174.239000	33.34	43.50	10.16	100.0	V	323.0	21
177.731000	33.62	43.50	9.88	100.0	V	292.0	20
324.977000	30.71	46.00	15.29	100.0	V	279.0	22
851.590000	36.18	46.00	9.82	100.0	V	0.0	31

Final Result

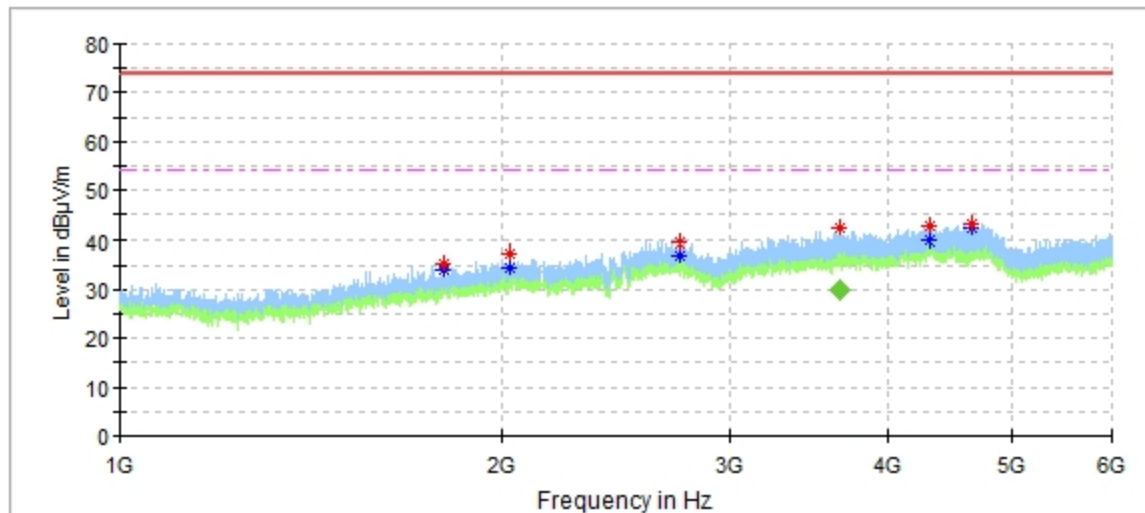
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
59.428000	29.09	40.00	10.91	1000.0	120.000	105.0	V	292.0	21
115.146000	23.00	43.50	20.50	1000.0	120.000	153.0	V	274.0	19

Appendix B.2: Test Plots of Radiated Emission, Above 1GHz

Print by USB +Print by RJ45 + NFC mode

EUT Information

EUT Name:	Label maker
Model	LabelWriter 5XL
Order No:	168292741 Item
Test Mode:	ON
Test Voltage:	AC 120V/60Hz
Test By:	Ouyang Wang
Review By:	Gary Chen
Remark:	3m Chamber



Critical_Freqs

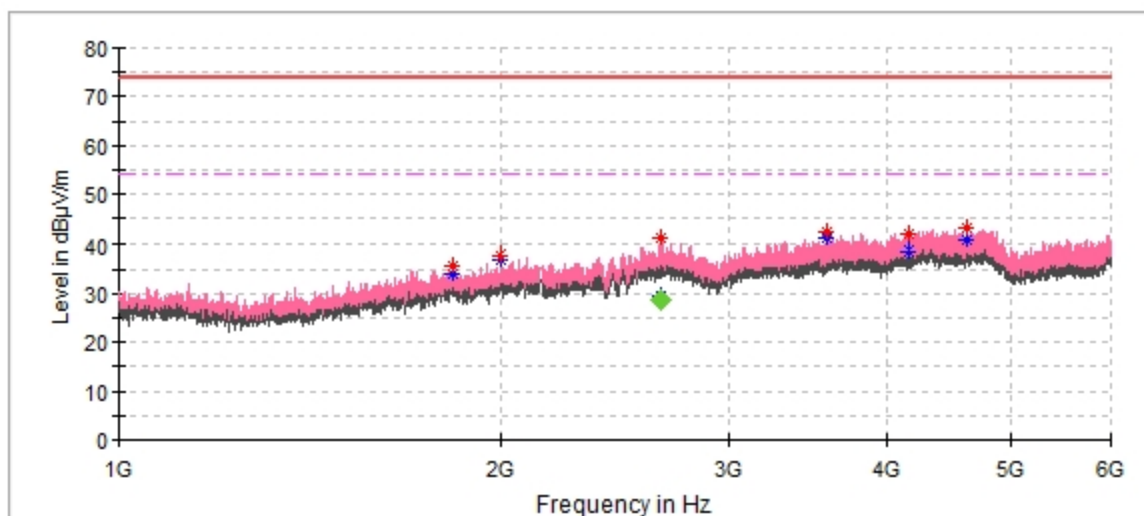
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1795.000000	---	34.15	54.00	19.85	100.0	H	247.0	-9
1795.000000	35.43	---	74.00	38.57	100.0	H	247.0	-9
2028.500000	37.23	---	74.00	36.77	100.0	H	139.0	-7
2028.500000	---	34.57	54.00	19.43	100.0	H	139.0	-7
2747.500000	39.21	---	74.00	34.79	100.0	H	348.0	-4
2748.000000	---	37.06	54.00	16.94	100.0	H	348.0	-4
3662.000000	42.32	---	74.00	31.68	100.0	H	18.0	0
3662.800000	---	29.97	54.00	24.03	100.0	H	234.0	0
4318.500000	---	39.97	54.00	14.03	100.0	H	83.0	2
4319.500000	42.80	---	74.00	31.20	100.0	H	308.0	2
4658.500000	---	42.41	54.00	11.59	100.0	H	284.0	2
4658.500000	43.04	---	74.00	30.96	100.0	H	284.0	2

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3662.800000	---	29.91	54.00	24.09	100.0	H	234.0	0

EUT Information

EUT Name:	Label maker
Model	LabelWriter 5XL
Order No:	168292741 Item
Test Mode:	ON
Test Voltage:	AC 120V/60Hz
Test By:	Ouyang Wang
Review By:	Gary Chen
Remark:	3m Chamber



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1830.500000	---	34.24	54.00	19.76	100.0	V	191.0	-9
1830.500000	35.51	---	74.00	38.49	100.0	V	191.0	-9
1998.000000	37.94	---	74.00	36.06	100.0	V	154.0	-7
1998.000000	---	36.85	54.00	17.15	100.0	V	154.0	-7
2655.500000	40.88	---	74.00	33.12	100.0	V	159.0	-3
2659.500000	---	29.33	54.00	24.67	100.0	V	155.0	-3
3592.500000	---	41.12	54.00	12.88	100.0	V	291.0	-1
3592.500000	42.10	---	74.00	31.90	100.0	V	291.0	-1
4161.500000	42.02	---	74.00	31.98	100.0	V	54.0	1
4161.500000	---	38.51	54.00	15.49	100.0	V	54.0	1
4616.500000	---	40.66	54.00	13.34	100.0	V	332.0	2
4616.500000	42.93	---	74.00	31.07	100.0	V	332.0	2

Final Result

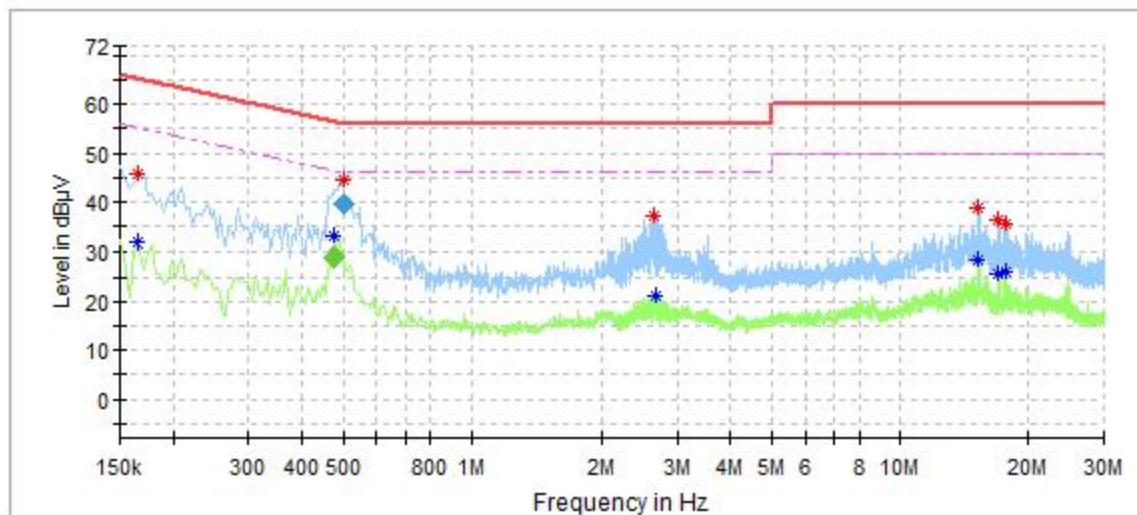
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2659.500000	---	28.72	54.00	25.28	100.0	V	155.0	-3

Appendix B.3: Test Plots of Conducted Emissions on AC Mains

Print by RJ45 + NFC mode

EUT Information

EUT Name:	Label maker
Order No.:	168292741 Item
Model:	LabelWriter 5XL
Test Mode:	ON
Test Voltage:	AC 110V/60Hz
Test By:	Ouyang Wang
Review By:	Gary Chen
Remark:	SR1



Critical Freqs

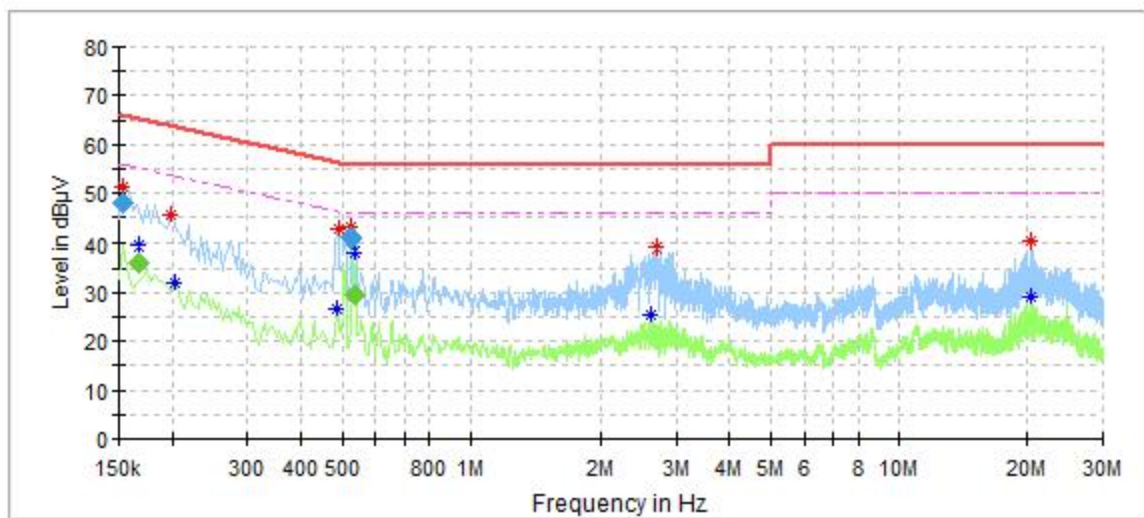
Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.166000	---	31.66	55.16	23.50	L1	9.6
0.166000	45.90	---	65.16	19.26	L1	9.6
0.476500	---	32.95	46.17	13.22	L1	9.7
0.500000	44.31	---	56.17	11.86	L1	9.7
2.652000	37.22	---	56.00	18.78	L1	9.8
2.664000	---	21.31	46.00	24.69	L1	9.8
15.228000	38.61	---	60.00	21.39	L1	10.3
15.232000	---	28.32	50.00	21.68	L1	10.3
17.004000	---	25.69	50.00	24.31	L1	10.3
17.004000	36.12	---	60.00	23.88	L1	10.3
17.596000	---	25.85	50.00	24.15	L1	10.4
17.608000	35.63	---	60.00	24.37	L1	10.4

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.476500	---	29.05	46.40	17.34	200.0	9.000	L1	9.7
0.500000	39.57	---	56.00	16.43	200.0	9.000	L1	9.7

EUT Information

EUT Name:	Label maker
Order No.:	168292741 Item
Model:	LabelWriter 5XL
Test Mode:	ON
Test Voltage:	AC 120V/60Hz
Test By:	Ouyang Wang
Review By:	Gary Chen
Remark:	SR1



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.154000	51.43	---	65.78	14.36	N	9.6
0.167500	---	39.19	55.78	16.59	N	9.6
0.198000	45.39	---	63.69	18.31	N	9.6
0.202000	---	31.87	53.53	21.66	N	9.6
0.486000	---	26.66	46.24	19.57	N	9.7
0.490000	42.54	---	56.17	13.63	N	9.7
0.522500	43.13	---	56.00	12.87	N	9.7
0.534500	---	37.96	46.00	8.04	N	9.7
2.628000	---	25.58	46.00	20.42	N	9.8
2.704000	38.81	---	56.00	17.19	N	9.8
20.304000	---	28.98	50.00	21.02	N	10.5
20.340000	40.33	---	60.00	19.67	N	10.5

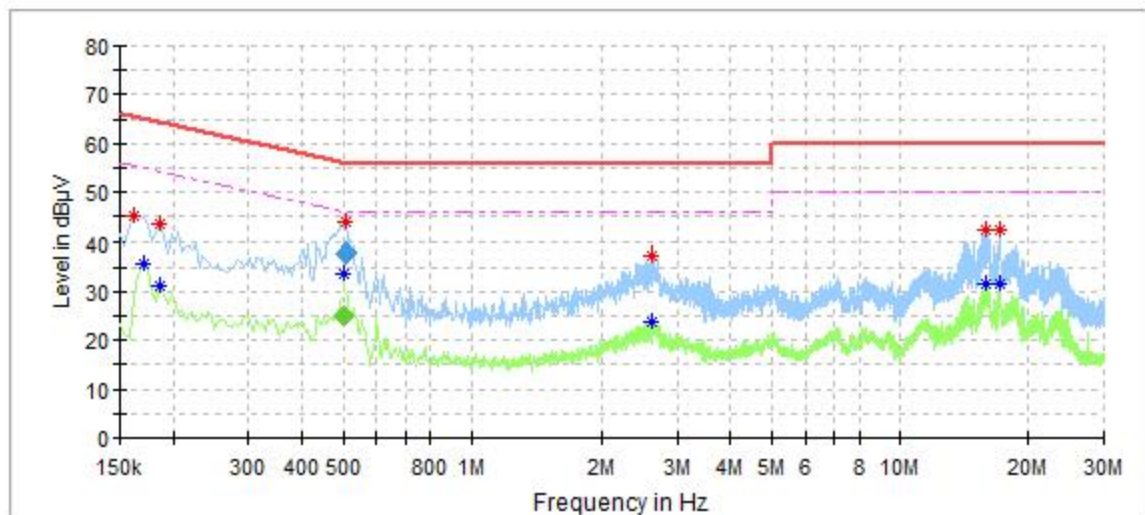
Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.154000	47.93	---	65.78	17.85	200.0	9.000	N	9.6
0.167500	---	36.22	55.08	18.86	200.0	9.000	N	9.6
0.522500	41.00	---	56.00	15.00	200.0	9.000	N	9.7
0.534500	---	29.64	46.00	16.36	200.0	9.000	N	9.7

Print by USB + NFC mode

EUT Information

EUT Name:	Label maker
Order No.:	168292741 Item
Model:	LabelWriter 5XL
Test Mode:	ON
Test Voltage:	AC 120V/60Hz
Test By:	Ouyang Wang
Review By:	Gary Chen
Remark:	SR1



Critical_Freqs

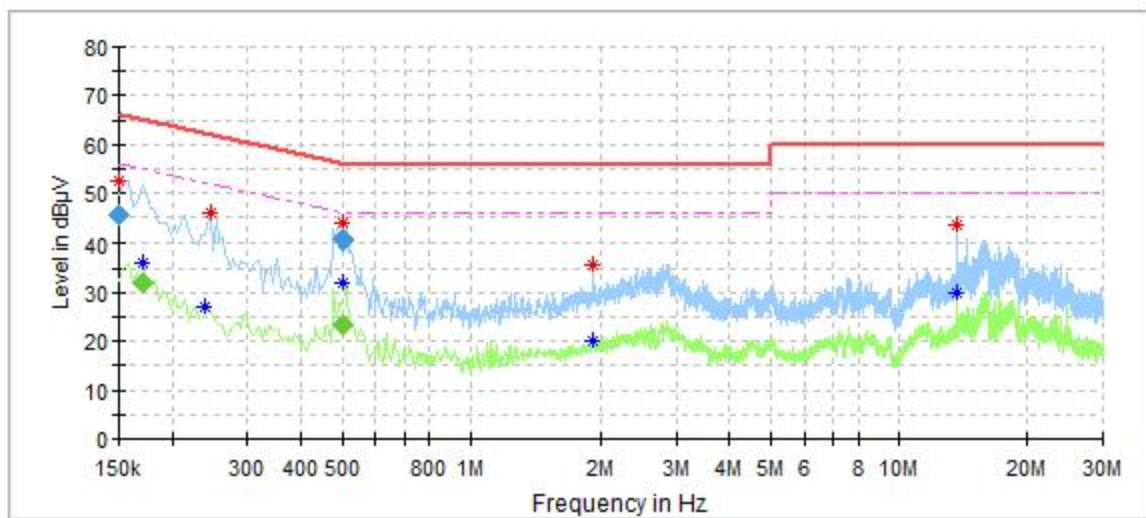
Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.162000	45.12	---	65.36	20.24	L1	9.6
0.170000	---	35.54	54.96	19.42	L1	9.6
0.186000	43.43	---	64.21	20.78	L1	9.6
0.186000	---	31.14	54.21	23.07	L1	9.6
0.500000	---	33.73	46.00	12.27	L1	9.7
0.508000	44.00	---	56.00	12.00	L1	9.7
2.608000	---	23.84	46.00	22.16	L1	9.8
2.612000	37.26	---	56.00	18.74	L1	9.8
15.880000	42.39	---	60.00	17.61	L1	10.3
15.892000	---	31.69	50.00	18.31	L1	10.3
17.040000	---	31.70	50.00	18.30	L1	10.3
17.048000	42.05	---	60.00	17.95	L1	10.3

Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.500000	---	25.12	46.00	20.88	200.0	9.000	L1	9.7
0.508000	37.83	---	56.00	18.17	200.0	9.000	L1	9.7

EUT Information

EUT Name: Label maker
Order No.: 168292741 Item
Model: LabelWriter 5XL
Test Mode: ON
Test Voltage: AC 120V/60Hz
Test By: Ouyang Wang
Review By: Gary Chen
Remark: SR1



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.150000	52.62	---	65.57	12.95	N	9.6
0.171500	---	36.06	55.57	19.50	N	9.6
0.238000	---	27.25	52.17	24.92	N	9.6
0.246000	46.15	---	61.89	15.74	N	9.6
0.500000	---	31.99	46.00	14.01	N	9.7
0.504000	43.81	---	56.00	12.19	N	9.7
1.920000	---	19.96	46.00	26.04	N	9.7
1.920000	35.74	---	56.00	20.26	N	9.7
13.624000	---	30.02	50.00	19.98	N	10.3
13.624000	43.39	---	60.00	16.61	N	10.3

Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.150000	45.36	---	66.00	20.64	200.0	9.000	N	9.6
0.171500	---	32.17	54.89	22.72	200.0	9.000	N	9.6
0.500000	---	23.41	46.00	22.59	200.0	9.000	N	9.7
0.504000	40.72	---	56.00	15.28	200.0	9.000	N	9.7