

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

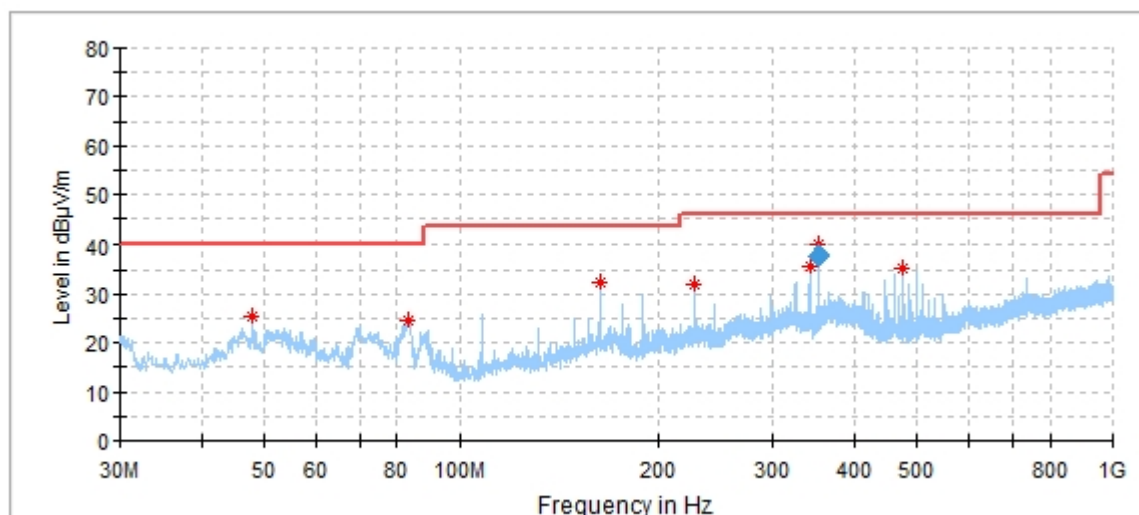
APPENDIX B: TEST RESULTS OF FCC 15B & ICES-003	1
APPENDIX B.1: TEST PLOTS OF RADIATED EMISSION, BELOW 1GHz	2
<i>Print by USB + NFC mode</i>	<i>2</i>
APPENDIX B.2: TEST PLOTS OF RADIATED EMISSION, ABOVE 1GHz.....	4
<i>Print by USB + NFC mode</i>	<i>4</i>
APPENDIX B.3: TEST PLOTS OF CONDUCTED EMISSIONS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

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

Print by USB + NFC mode

EUT Information

EUT Name:	Label maker
Model:	LabelWriter 550
Order No:	168293350 Item90
Test Mode:	ON
Test Voltage:	AC 120V/60Hz
Test By:	Ouyang Wang
Review By:	Gary Chen
Remark:	3m Chamber



Critical_Freqs

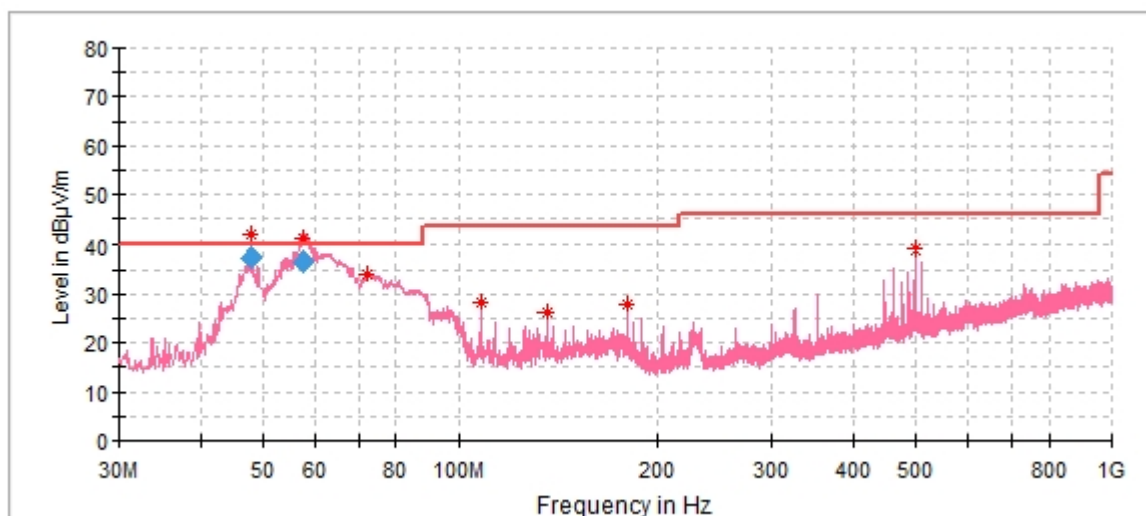
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
47.945000	25.51	40.00	14.49	100.0	H	207.0	21
83.156000	24.61	40.00	15.39	100.0	H	348.0	15
162.696000	32.44	43.50	11.06	100.0	H	117.0	21
227.977000	32.14	46.00	13.86	100.0	H	172.0	19
342.049000	35.73	46.00	10.27	100.0	H	109.0	22
354.000000	39.66	46.00	6.34	105.0	H	121.0	22
473.969000	35.15	46.00	10.85	100.0	H	214.0	25

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)
354.000000	37.92	46.00	8.08	1000.0	120.000	105.0	H	121.0	22

EUT Information

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Model	LabelWriter 550
Order No:	168293350 Item90
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)
47.982000	42.04	40.00	-2.04	120.0	V	351.0	21
57.705000	41.10	40.00	-1.10	174.0	V	230.0	21
72.001000	34.17	40.00	5.83	100.0	V	336.0	18
107.988000	28.18	43.50	15.32	100.0	V	151.0	18
135.536000	26.43	43.50	17.07	100.0	V	312.0	20
179.962000	27.72	43.50	15.78	100.0	V	312.0	19
498.025000	38.78	46.00	7.22	100.0	V	312.0	25

Final Result

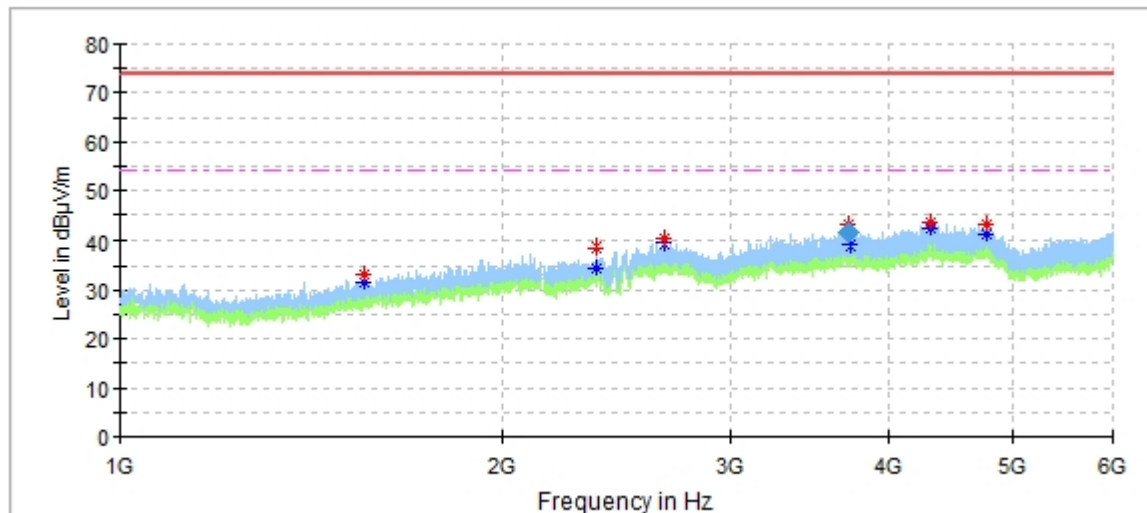
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
47.982000	37.52	40.00	2.48	1000.0	120.000	120.0	V	351.0	21
57.705000	36.32	40.00	3.68	1000.0	120.000	174.0	V	230.0	21

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

Print by USB + NFC mode

EUT Information

EUT Name:	Label maker
Model	LabelWriter 550
Order No:	168293350 Item90
Test Mode:	ON
Test Voltage:	AC 120V/60Hz
Test By:	Ouyang Wang
Review By:	Gary Chen
Remark:	3m Chamber



Critical_Freqs

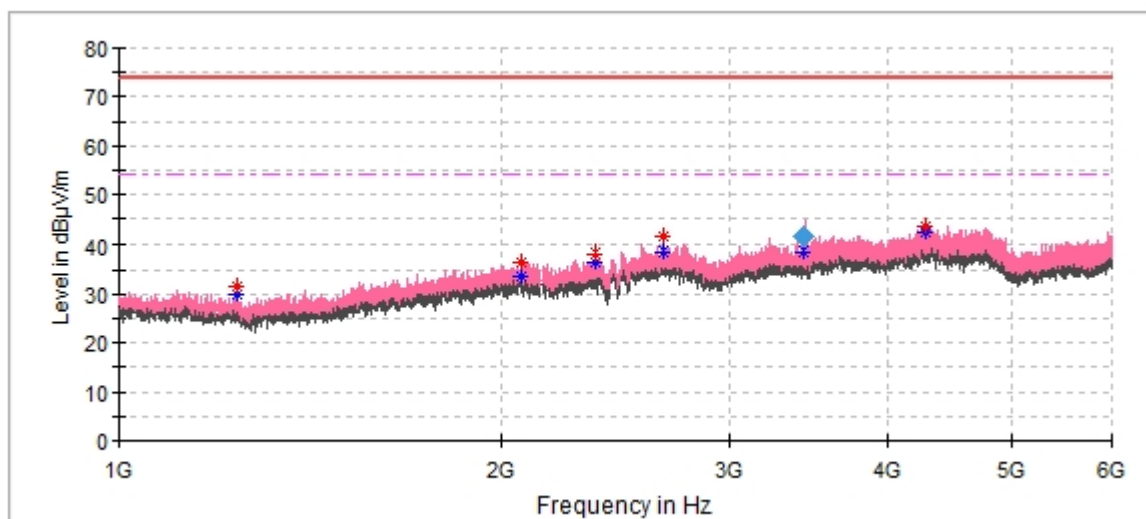
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1554.000000	33.31	---	74.00	40.69	100.0	H	282.0	-11
1554.000000	---	31.42	54.00	22.58	100.0	H	282.0	-11
2360.500000	---	34.35	54.00	19.65	100.0	H	185.0	-6
2360.500000	38.72	---	74.00	35.28	100.0	H	185.0	-6
2666.000000	40.33	---	74.00	33.67	100.0	H	78.0	-3
2666.000000	---	39.20	54.00	14.80	100.0	H	78.0	-3
3726.800000	43.26	---	74.00	30.74	100.0	H	183.0	0
3728.000000	---	38.86	54.00	15.14	100.0	H	305.0	0
4318.500000	43.29	---	74.00	30.71	100.0	H	78.0	2
4318.500000	---	42.07	54.00	11.93	100.0	H	78.0	2
4783.500000	---	41.14	54.00	12.86	100.0	H	146.0	3
4783.500000	43.11	---	74.00	30.89	100.0	H	146.0	3

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3726.800000	41.44	---	74.00	32.56	100.0	H	183.0	0

EUT Information

EUT Name:	Label maker
Model	LabelWriter 550
Order No:	168293350 Item90
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)
1238.500000	---	30.10	54.00	23.90	100.0	V	240.0	-14
1238.500000	31.76	---	74.00	42.24	100.0	V	240.0	-14
2070.500000	36.70	---	74.00	37.30	100.0	V	197.0	-7
2070.500000	---	33.70	54.00	20.30	100.0	V	197.0	-7
2358.500000	---	36.31	54.00	17.69	100.0	V	5.0	-6
2358.500000	38.20	---	74.00	35.80	100.0	V	5.0	-6
2665.500000	41.26	---	74.00	32.74	100.0	V	149.0	-3
2665.500000	---	38.56	54.00	15.44	100.0	V	149.0	-3
3440.000000	---	38.67	54.00	15.33	100.0	V	212.0	-1
3440.200000	41.98	---	74.00	32.02	100.0	V	150.0	-1
4290.500000	---	42.12	54.00	11.88	100.0	V	227.0	2
4290.500000	43.39	---	74.00	30.61	100.0	V	227.0	2

Final Result

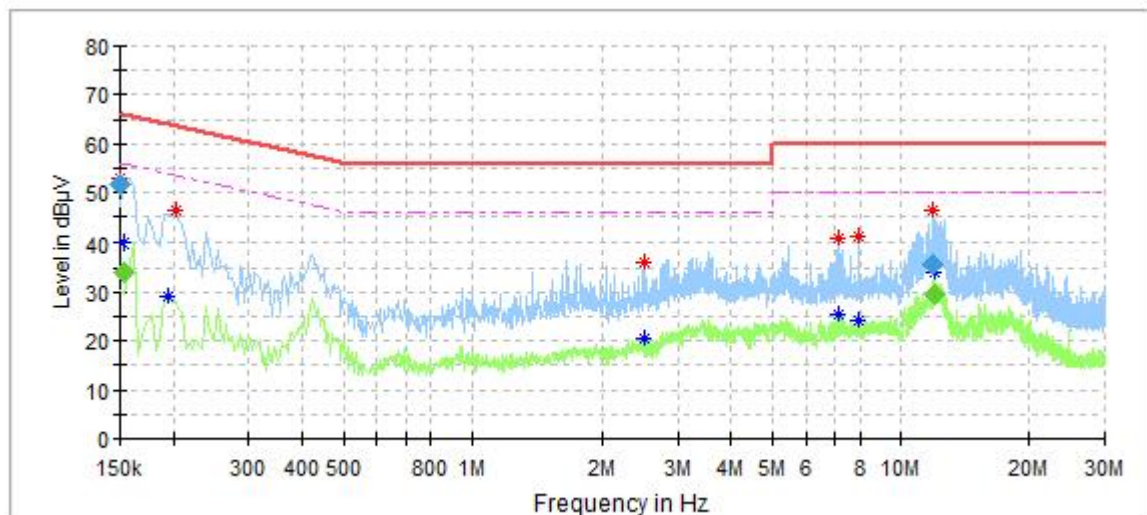
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3440.200000	41.59	---	74.00	32.41	100.0	V	150.0	-1

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

Print by USB + NFC mode

EUT Information

EUT Name:	Label maker
Order No.:	168293350 Item90
Model:	LabelWriter 550
Test Mode:	ON
Test Voltage:	AC 120V/60Hz
Test By:	Ouyang Wang
Review By:	Gary Chen
Remark:	SR1



Critical Freqs

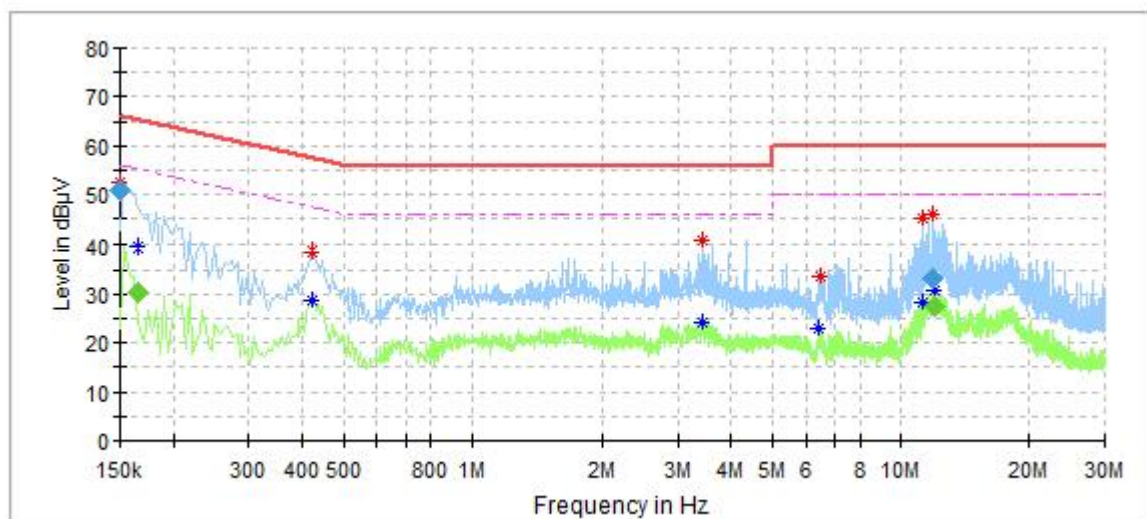
Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.150000	52.78	---	65.57	12.78	L1	9.6
0.154000	---	39.77	55.36	15.59	L1	9.6
0.194000	---	29.19	53.86	24.67	L1	9.6
0.202000	46.21	---	63.53	17.31	L1	9.6
2.496000	---	20.68	46.00	25.32	L1	9.8
2.496000	36.25	---	56.00	19.75	L1	9.8
7.136000	40.58	---	60.00	19.42	L1	10.0
7.136000	---	25.39	50.00	24.61	L1	10.0
7.980000	---	24.28	50.00	25.72	L1	10.0
7.980000	41.22	---	60.00	18.78	L1	10.0
11.906500	46.53	---	60.00	13.47	L1	10.2
12.002500	---	34.17	50.00	15.83	L1	10.2

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.150000	51.59	---	66.00	14.41	200.0	9.000	L1	9.6
0.154000	---	34.03	55.78	21.75	200.0	9.000	L1	9.6
11.906500	35.59	---	60.00	24.41	200.0	9.000	L1	10.2
12.002500	---	29.74	50.00	20.26	200.0	9.000	L1	10.2

EUT Information

EUT Name:	Label maker
Order No.:	168293350 Item90
Model:	LabelWriter 550
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	52.32	---	65.78	13.46	N	9.6
0.166000	---	39.27	55.78	16.51	N	9.6
0.422000	---	28.84	47.41	18.57	N	9.7
0.422000	38.60	---	57.41	18.81	N	9.7
3.424000	---	24.01	46.00	21.99	N	9.8
3.444000	40.56	---	56.00	15.44	N	9.8
6.412000	---	22.81	50.00	27.19	N	10.0
6.464000	33.46	---	60.00	26.54	N	10.0
11.232000	---	28.46	50.00	21.54	N	10.2
11.232000	45.26	---	60.00	14.74	N	10.2
11.878500	46.06	---	60.00	13.94	N	10.2
11.962500	---	30.93	50.00	19.07	N	10.2

Final_Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.150000	50.88	---	66.00	15.12	200.0	9.000	N	9.6
0.166000	---	30.31	55.16	24.85	200.0	9.000	N	9.6
11.878500	33.32	---	60.00	26.68	200.0	9.000	N	10.2
11.962500	---	27.35	50.00	22.65	200.0	9.000	N	10.2