

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

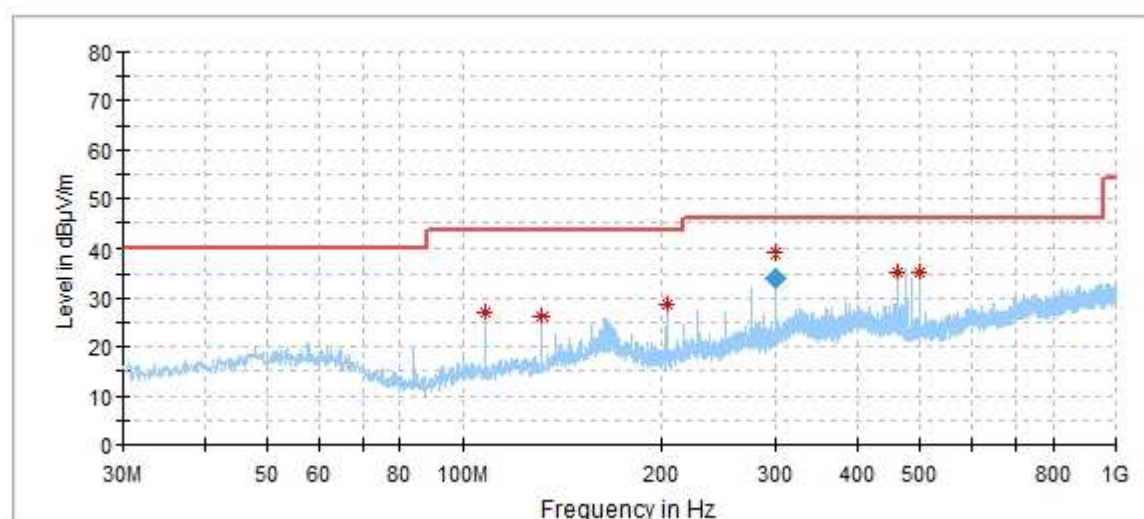
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Appendix B.1: Test Plots of Radiated Emission, Below 1GHz

For FCC

EUT Information

EUT Name:	Label maker
Model	LabelWriter 550
Order No:	168328031 Item
Test Mode:	Print by USB + NFC mode
Test Voltage:	AC 120V/60Hz
Test By:	Steve Ian
Review By:	Gary Chen
Remark:	3m Chamber



Critical_Freqs

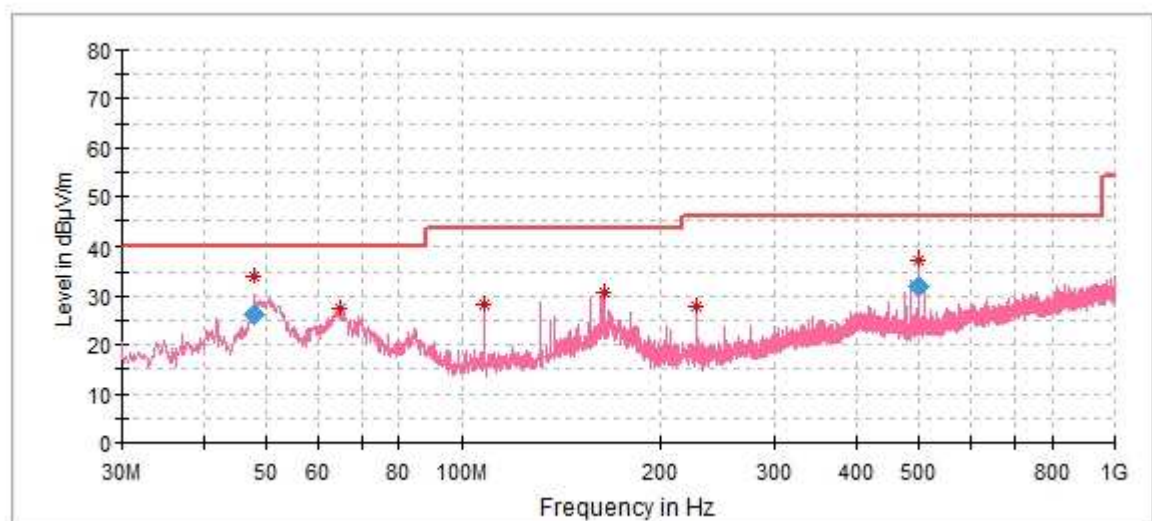
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
107.988000	27.23	43.50	16.27	200.0	H	141.0	17.7
131.947000	26.06	43.50	17.44	200.0	H	252.0	19.3
203.921000	28.69	43.50	14.81	200.0	H	322.0	17.3
299.971000	38.82	46.00	7.18	100.0	H	123.0	20.6
461.941000	35.28	46.00	10.72	100.0	H	32.0	24.8
498.025000	35.17	46.00	10.83	200.0	H	16.0	25.5

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)
299.971000	34.03	46.00	11.98	1000.0	120.000	100.0	H	123.0	20.6

EUT Information

EUT Name:	Label maker
Model	LabelWriter 550
Order No:	168328031 Item
Test Mode:	Print by USB + NFC mode
Test Voltage:	AC 120V/60Hz
Test By:	Steve Ian
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)
48.005000	34.06	40.00	5.94	100.0	V	20.0	21.4
64.726000	27.53	40.00	12.47	100.0	V	340.0	20.2
107.988000	28.18	43.50	15.32	100.0	V	289.0	17.7
163.860000	30.69	43.50	12.81	100.0	V	250.0	21.3
227.977000	27.80	46.00	18.20	100.0	V	20.0	18.8
498.045000	37.21	46.00	8.79	100.0	V	31.0	25.5

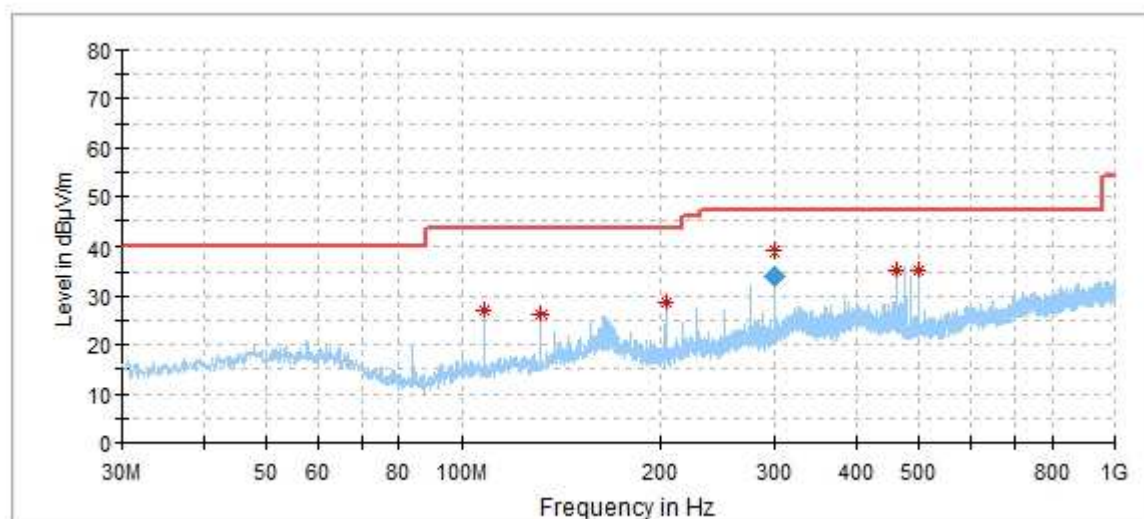
Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
48.005000	26.23	40.00	13.77	1000.0	120.000	100.0	V	20.0	21.4
498.045000	31.98	46.00	14.02	1000.0	120.000	100.0	V	31.0	25.5

For IC

EUT Information

EUT Name:	Label maker
Model	LabelWriter 550
Order No:	168328031 Item
Test Mode:	Print by USB + NFC mode
Test Voltage:	AC 120V/60Hz
Test By:	Steve Ian
Review By:	Gary Chen
Remark:	3m Chamber



Critical_Freqs

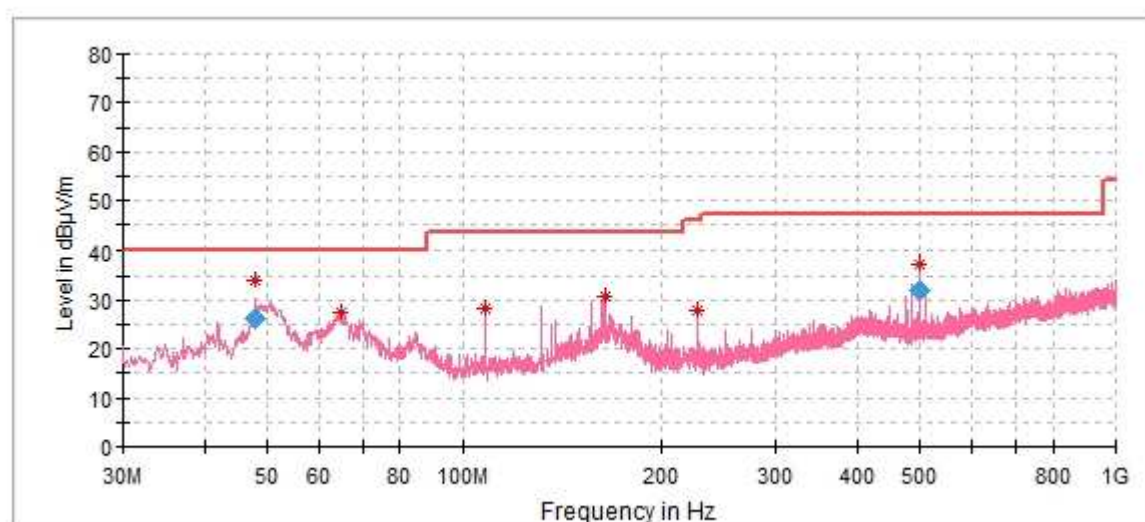
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
107.988000	27.23	43.50	16.27	200.0	H	141.0	17.7
131.947000	26.06	43.50	17.44	200.0	H	252.0	19.3
203.921000	28.69	43.50	14.81	200.0	H	322.0	17.3
299.971000	38.82	47.00	8.18	100.0	H	123.0	20.6
461.941000	35.28	47.00	11.72	100.0	H	32.0	24.8
498.025000	35.17	47.00	11.83	200.0	H	16.0	25.5

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)
299.971000	34.03	47.00	12.98	1000.0	120.000	100.0	H	123.0	20.6

EUT Information

EUT Name:	Label maker
Model	LabelWriter 550
Order No:	168328031 Item
Test Mode:	Print by USB + NFC mode
Test Voltage:	AC 120V/60Hz
Test By:	Steve Ian
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)
48.005000	34.06	40.00	5.94	100.0	V	20.0	21.4
64.726000	27.53	40.00	12.47	100.0	V	340.0	20.2
107.988000	28.18	43.50	15.32	100.0	V	289.0	17.7
163.860000	30.69	43.50	12.81	100.0	V	250.0	21.3
227.977000	27.80	46.00	18.20	100.0	V	20.0	18.8
498.045000	37.21	47.00	9.79	100.0	V	31.0	25.5

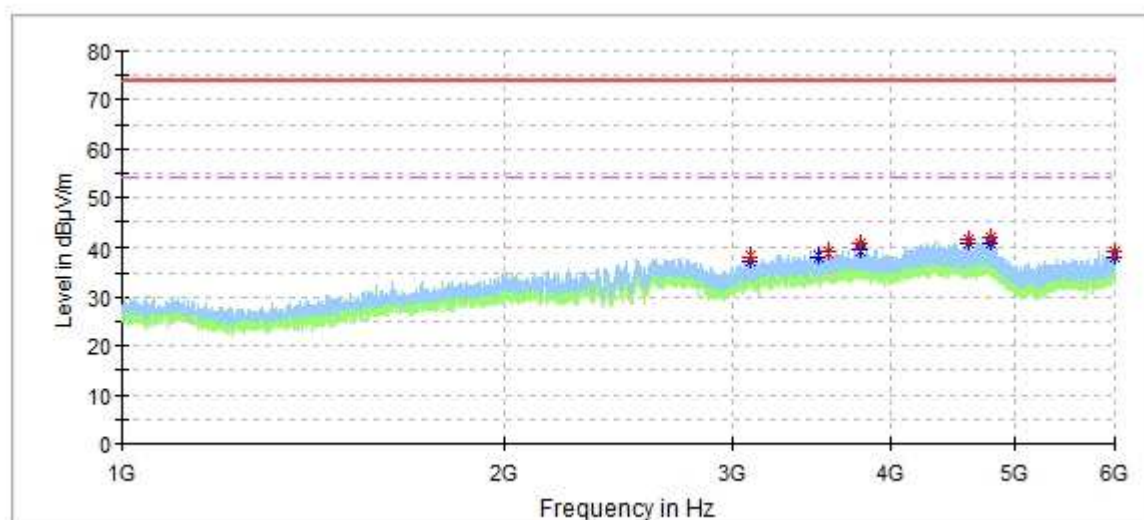
Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
48.005000	26.23	40.00	13.77	1000.0	120.000	100.0	V	20.0	21.4
498.045000	31.98	47.00	15.02	1000.0	120.000	100.0	V	31.0	25.5

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

EUT Information

EUT Name:	Label maker
Model	LabelWriter 550
Order No:	168328031 Item
Test Mode:	Print by USB + NFC mode
Test Voltage:	AC 120V/60Hz
Test By:	Steve Ian
Review By:	Gary Chen
Remark:	3m Chamber

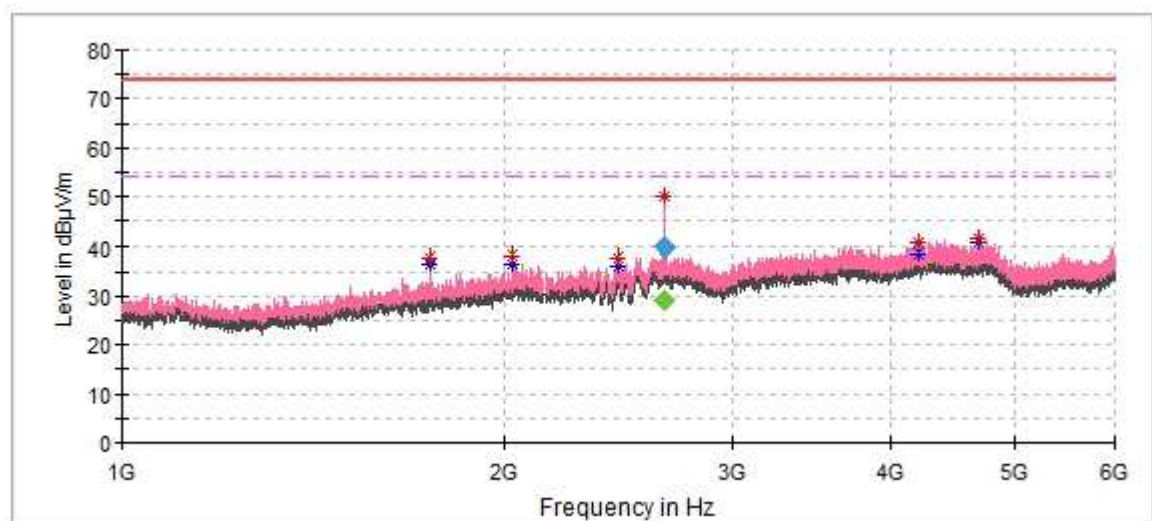


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4607.000000	41.24	---	74.00	32.76	100.0	H	0.0	2.0
4607.000000	---	40.51	54.00	13.49	100.0	H	0.0	2.0
3102.500000	38.08	---	74.00	35.92	100.0	H	251.0	-2.9
3100.500000	---	37.51	54.00	16.49	200.0	H	69.0	-2.9
3569.500000	39.18	---	74.00	34.82	200.0	H	114.0	-0.7
3512.500000	---	37.99	54.00	16.01	200.0	H	159.0	-1.0
5991.500000	39.15	---	74.00	34.85	200.0	H	199.0	2.4
5991.500000	---	38.32	54.00	15.68	200.0	H	199.0	2.4
3782.000000	---	39.46	54.00	14.54	200.0	H	238.0	0.1
3782.000000	40.50	---	74.00	33.50	200.0	H	238.0	0.1
4793.000000	41.86	---	74.00	32.14	200.0	H	337.0	2.5
4793.000000	---	40.70	54.00	13.30	200.0	H	337.0	2.5

EUT Information

EUT Name:	Label maker
Model	LabelWriter 550
Order No:	168328031 Item
Test Mode:	Print by USB + NFC mode
Test Voltage:	AC 120V/60Hz
Test By:	Steve Ian
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)
1747.500000	---	36.49	54.00	17.51	100.0	V	17.0	-9.6
1747.500000	37.71	---	74.00	36.29	100.0	V	17.0	-9.6
2024.500000	---	36.31	54.00	17.69	200.0	V	89.0	-7.5
2024.500000	38.02	---	74.00	35.98	200.0	V	89.0	-7.5
2441.500000	---	36.27	54.00	17.73	100.0	V	344.0	-5.2
2441.500000	37.57	---	74.00	36.43	100.0	V	344.0	-5.2
2654.400000	49.94	---	74.00	24.06	200.0	V	181.0	-3.2
2658.400000	---	29.54	54.00	24.46	200.0	V	179.0	-3.2
4206.500000	---	38.66	54.00	15.34	200.0	V	66.0	1.4
4207.000000	40.70	---	74.00	33.30	200.0	V	66.0	1.4
4691.500000	---	40.80	54.00	13.20	100.0	V	82.0	2.6
4691.500000	41.63	---	74.00	32.37	100.0	V	82.0	2.6

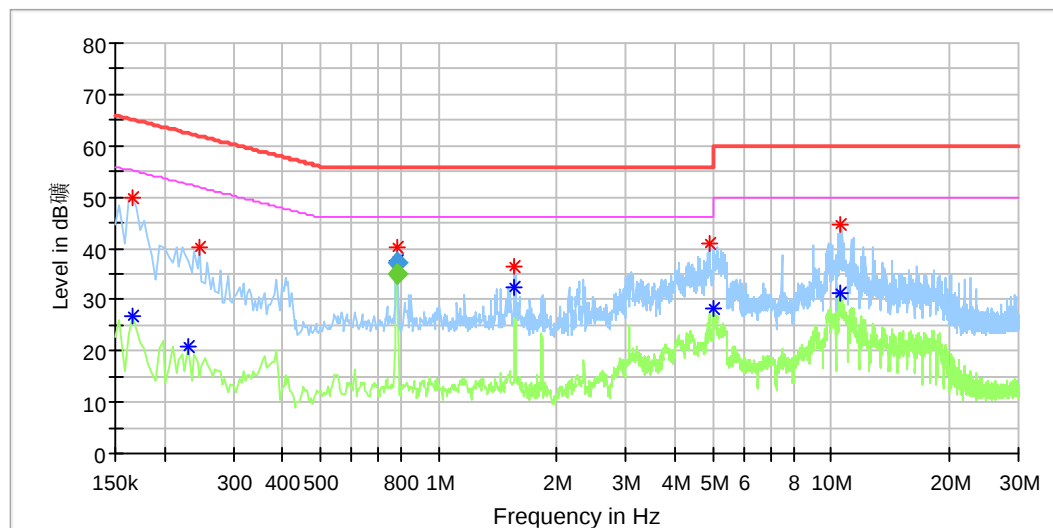
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2654.400000	39.90	---	74.00	34.10	200.0	V	181.0	-3.2
2658.400000	---	29.28	54.00	24.72	200.0	V	179.0	-3.2

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

EUT Information

EUT Name:	Label maker
Order No:	168328031 Item
Model:	LabelWriter 550
Test mode:	Print by USB + NFC mode
Test Voltage:	AC 120V/60Hz
Test By:	Steve Lan
Review By:	Gary Chen
Remark:	SR2



Critical Freqs

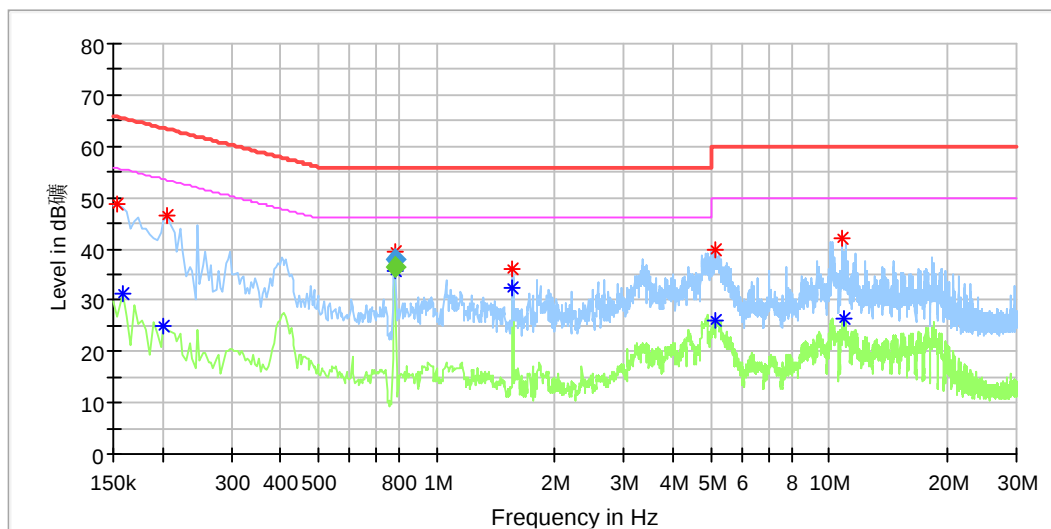
Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.166000	---	26.94	55.16	28.21	L1	9.9
0.166000	49.68	---	65.16	15.48	L1	9.9
0.230000	---	20.76	52.45	31.69	L1	9.9
0.246000	40.28	---	61.89	21.62	L1	9.9
0.781500	40.23	---	56.00	15.77	L1	10.0
0.781500	---	37.63	46.00	8.37	L1	10.0
1.562000	---	32.47	46.00	13.53	L1	10.1
1.562000	36.60	---	56.00	19.40	L1	10.1
4.898000	40.84	---	56.00	15.16	L1	10.2
5.018000	---	28.21	50.00	21.79	L1	10.3
10.562000	---	31.26	50.00	18.74	L1	10.3
10.570000	44.78	---	60.00	15.22	L1	10.3

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.781500	---	34.98	46.00	11.02	200.0	9.000	L1	10.0
0.781500	37.24	---	56.00	18.76	200.0	9.000	L1	10.0

EUT Information

EUT Name:	Label maker
Order No:	168328031 Item
Model:	LabelWriter 550
Test mode:	Print by USB + NFC mode
Test Voltage:	AC 120V/60Hz
Test By:	Steve Lan
Review By:	Gary Chen
Remark:	SR2



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.154000	48.57	---	65.78	17.21	N	9.8
0.158000	---	31.08	55.57	24.48	N	9.8
0.202000	---	25.03	53.53	28.49	N	9.8
0.206000	46.53	---	63.37	16.83	N	9.8
0.781500	---	35.69	46.00	10.31	N	9.8
0.781500	39.47	---	56.00	16.53	N	9.8
1.562000	---	32.42	46.00	13.58	N	9.8
1.562000	36.28	---	56.00	19.72	N	9.8
5.114000	---	26.15	50.00	23.85	N	9.9
5.114000	39.71	---	60.00	20.29	N	9.9
10.818000	42.01	---	60.00	17.99	N	10.0
10.878000	---	26.32	50.00	23.68	N	10.0

Final_Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.781500	---	36.36	46.00	9.64	200.0	9.000	N	9.8
0.781500	38.08	---	56.00	17.92	200.0	9.000	N	9.8