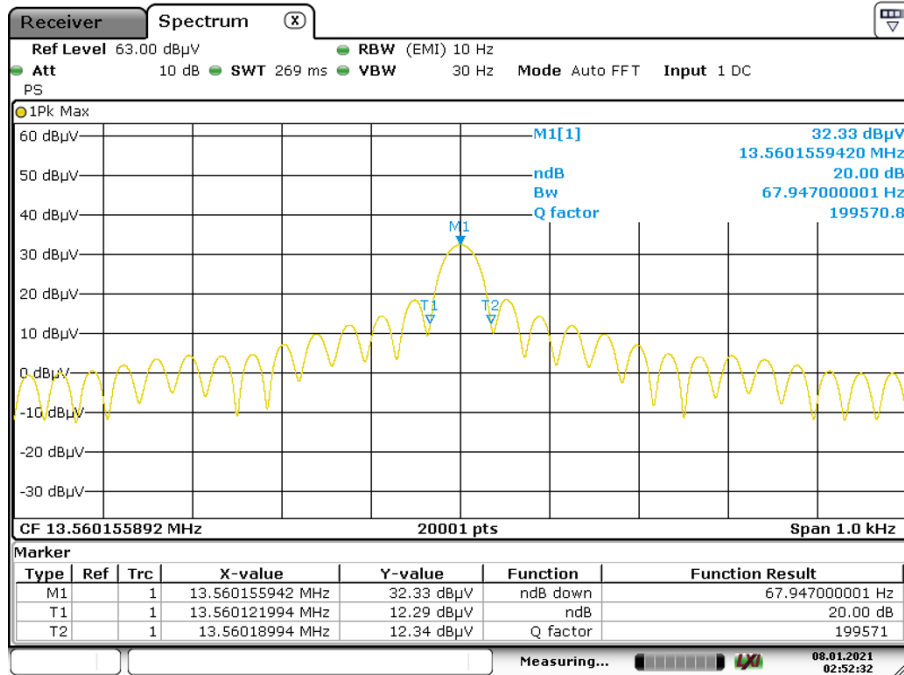


Appendix B: Test Results of NFC

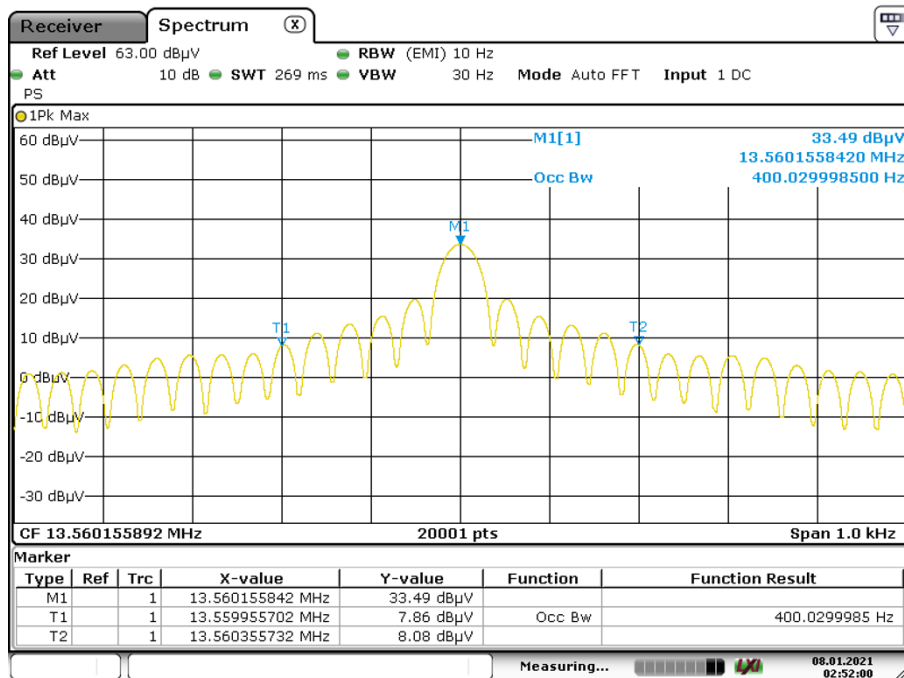
APPENDIX B: TEST RESULTS OF NFC	1
APPENDIX B.1: TEST RESULTS OF 99% & 20dB BANDWIDTH	2
APPENDIX B.2: TEST RESULTS OF FREQUENCY STABILITY	3
APPENDIX B.3: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS	4
9 KHz to 30 MHz	4
30 MHz to 1GHz	8
APPENDIX B.4: TEST RESULTS OF CONDUCTED EMISSIONS ON AC MAINS	10

Appendix B.1: Test Results of 99% & 20dB Bandwidth

Test Frequency (MHz)	20dB Bandwidth (Hz)	99% Bandwidth (Hz)
13.56	67.947	400.030



Date: 8.JAN.2021 02:52:32



Date: 8.JAN.2021 02:52:01

Appendix B.2: Test Results of Frequency Stability

Test Frequency (MHz)	Test Conditions		Test Results (KHz)	Deviation (Hz)	Limit (%)	Result
	Temp(°C)	Volt(V AC)				
13.56	-20	120	13560.107	107	±0.01 (1356Hz)	Pass
	-10	120	13560.131	131		Pass
	0	120	13560.159	159		Pass
	10	120	13560.172	172		Pass
	20	120	13560.148	148		Pass
	30	120	13560.176	176		Pass
	40	120	13560.284	284		Pass
	50	120	13560.263	263		Pass
	20	102	13560.209	209		Pass
		138	13560.128	128		Pass

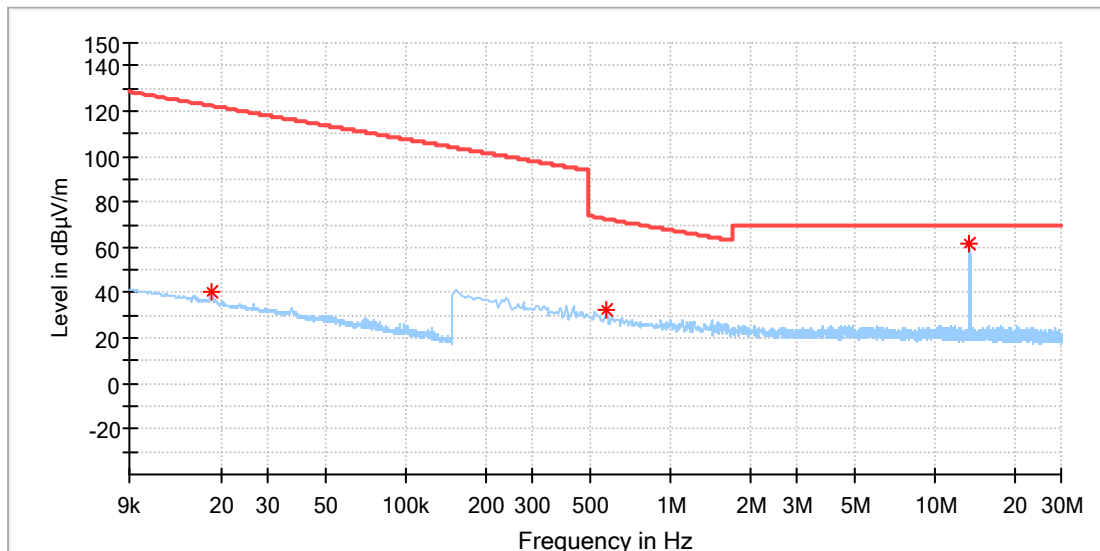
Note: Deviation (kHz) = (Test Result-13.56MHz)*1000

Appendix B.3: Test Results of Radiated Spurious Emissions

9 KHz to 30 MHz

EUT Information

EUT Name:	Label maker
Model:	LabelWriter 550
Test Mode:	TX
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 15C
Tested By:	Alano Qu
Reviewed By:	Terry Yin



Critical_Freqs

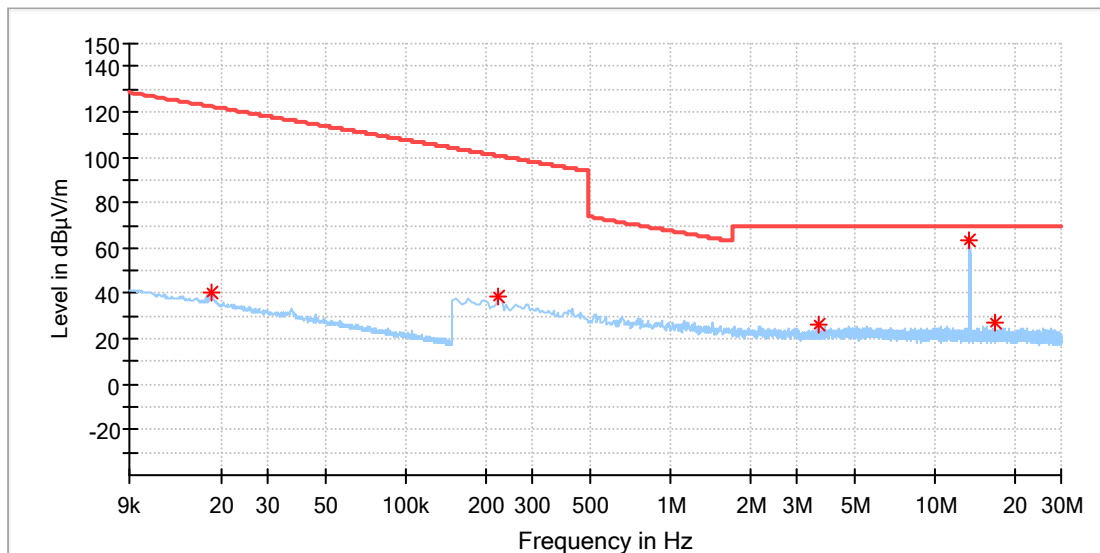
Frequency (MHz)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Preamp (dB)	Trd Corr. (dB/m)
0.018366	40.78	122.31	81.53	100.0	X	301.0	20.0	0.0	20.0
0.575802	32.29	72.40	40.11	100.0	X	268.0	20.0	0.0	20.0
13.560552	61.38			100.0	X	37.0	20.0	0.0	20.0

(continuation of the "Critical_Freqs" table from column 19 ...)

Frequency (MHz)	Raw Rec (dBµV)	Comment
0.018366	20.8	5:14:05 PM - 10/12/2020
0.575802	12.3	5:14:03 PM - 10/12/2020
13.560552	41.4	5:14:02 PM - 10/12/2020

EUT Information

EUT Name:	Label maker
Model:	LabelWriter 550
Test Mode:	TX
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 15C
Tested By:	Alano Qu
Reviewed By:	Terry Yin



Critical_Freqs

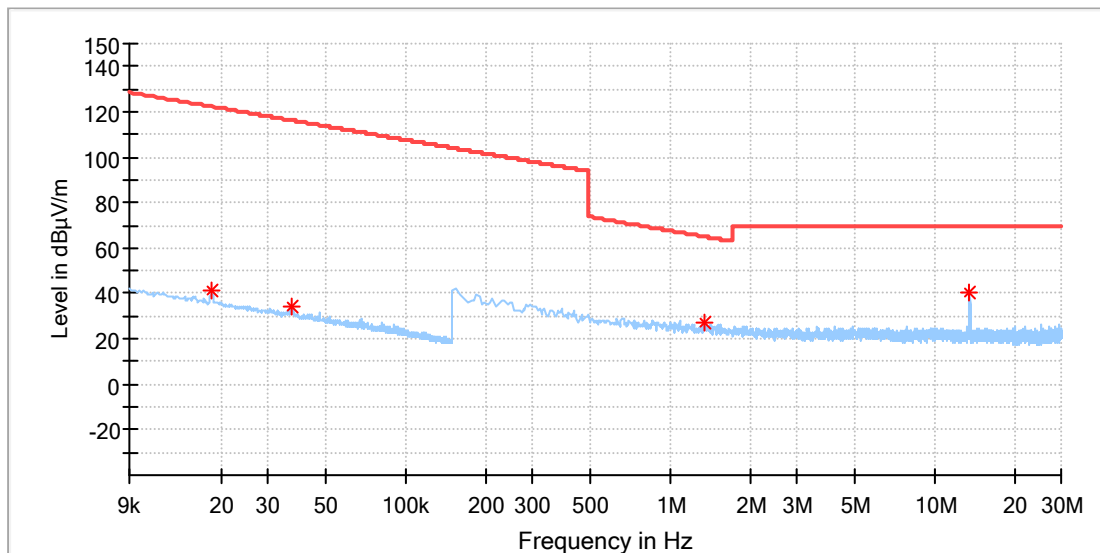
Frequency (MHz)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Preamp (dB)	Trd Corr. (dB/m)
0.018366	40.66	122.31	81.65	100.0	Y	353.0	20.0	0.0	20.0
0.224625	38.98	100.57	61.59	100.0	Y	263.0	20.0	0.0	20.0
3.639816	26.06	69.50	43.44	100.0	Y	263.0	20.0	0.0	20.0
13.560552	63.04			100.0	Y	160.0	20.0	0.0	20.0
16.962574	26.90	69.50	42.60	100.0	Y	148.0	20.0	0.0	20.0

(continuation of the "Critical_Freqs" table from column 19 ...)

Frequency (MHz)	Raw Rec (dBµV)	Comment
0.018366	20.7	5:46:11 PM - 10/12/2020
0.224625	19.0	5:46:10 PM - 10/12/2020
3.639816	6.1	5:46:08 PM - 10/12/2020
13.560552	43.0	5:46:04 PM - 10/12/2020
16.962574	6.9	5:46:06 PM - 10/12/2020

EUT Information

EUT Name:	Label maker
Model:	LabelWriter 550
Test Mode:	TX
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 15C
Tested By:	Alano Qu
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Preamp (dB)	Trd Corr. (dB/m)
0.018366	41.18	122.31	81.13	100.0	Z	238.0	20.0	0.0	20.0
0.036696	34.34	116.30	81.96	100.0	Z	270.0	20.0	0.0	20.0
1.344000	27.19	65.06	37.87	100.0	Z	35.0	20.0	0.0	20.0
13.560552	40.68			100.0	Z	0.0	20.0	0.0	20.0

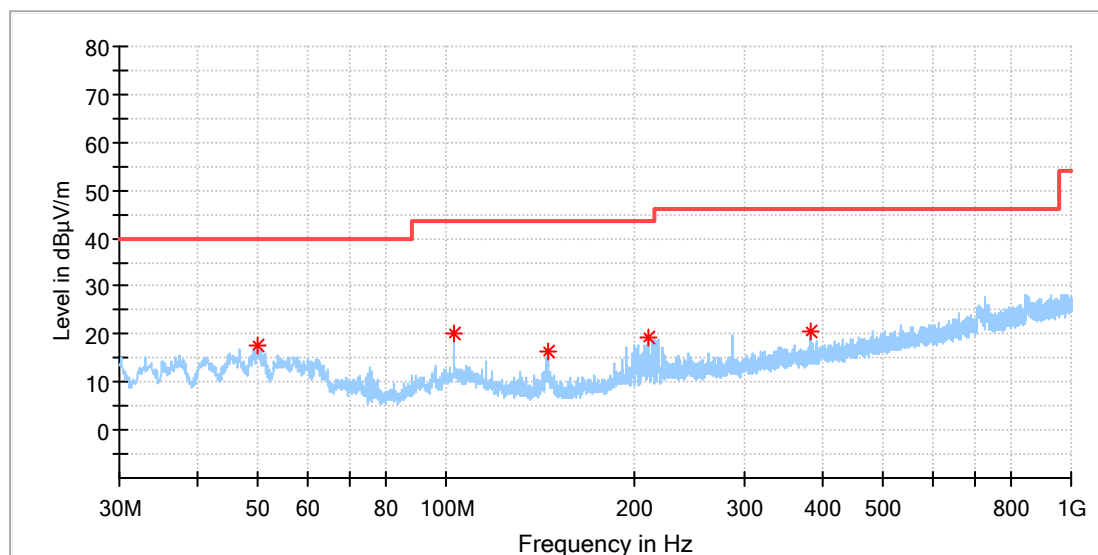
(continuation of the "Critical_Freqs" table from column 19 ...)

Frequency (MHz)	Raw Rec (dBµV)	Comment
0.018366	21.2	4:59:36 PM - 10/12/2020
0.036696	14.3	4:59:37 PM - 10/12/2020
1.344000	7.2	4:59:40 PM - 10/12/2020
13.560552	20.7	4:59:47 PM - 10/12/2020

30 MHz to 1GHz

EUT Information

EUT Name:	Label maker
Model:	LabelWriter 550
Test Mode:	TX
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 15C
Tested By:	Alano Qu
Reviewed By:	Terry Yin

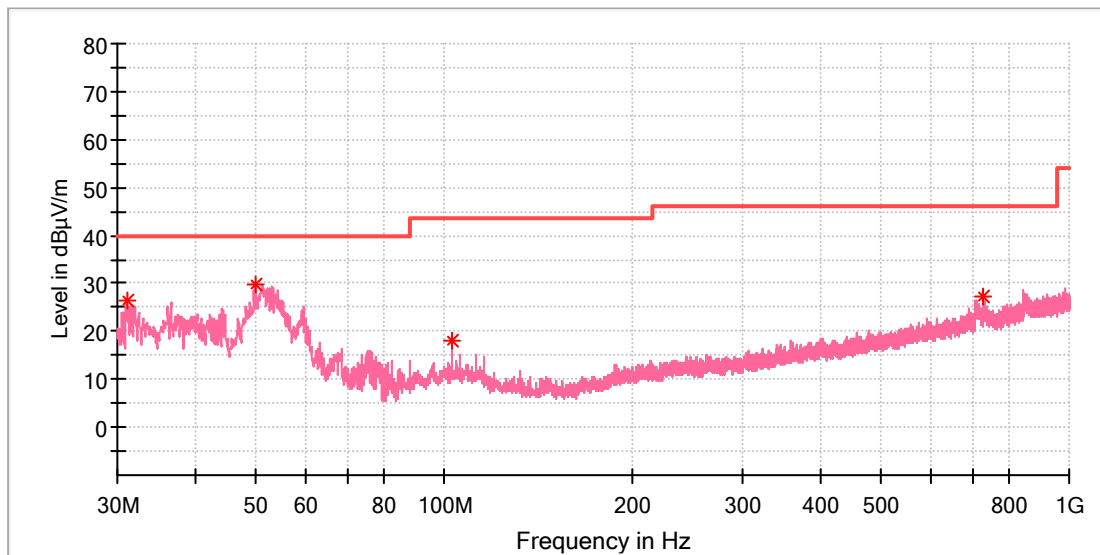


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.982000	17.49	---	40.00	22.51	100.0	H	288.0	-18.3
103.138000	20.32	---	43.50	23.18	100.0	H	222.0	-18.8
145.478500	16.47	---	43.50	27.03	100.0	H	268.0	-22.2
210.856500	19.41	---	43.50	24.09	100.0	H	338.0	-18.9
384.001500	20.55	---	46.00	25.45	100.0	H	85.0	-14.1

EUT Information

EUT Name:	Label maker
Model:	LabelWriter 550
Test Mode:	TX
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 15C
Tested By:	Alano Qu
Reviewed By:	Terry Yin



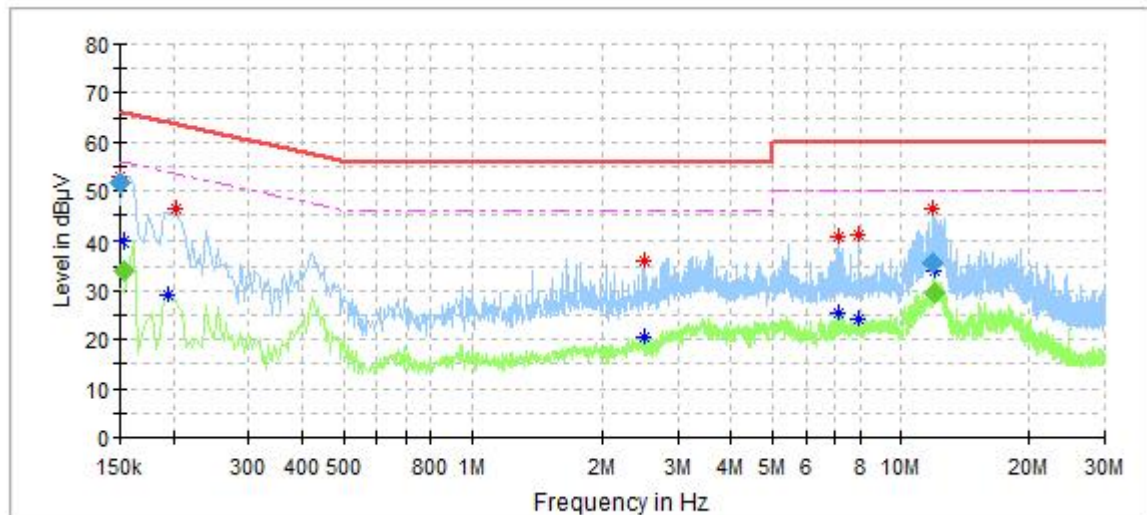
Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
31.018500	26.29	---	40.00	13.71	100.0	V	337.0	-22.8
49.982000	29.93	---	40.00	10.07	100.0	V	327.0	-18.3
103.138000	17.90	---	43.50	25.61	100.0	V	265.0	-18.8
728.739500	27.38	---	46.00	18.62	100.0	V	241.0	-7.5

Appendix B.4: Test Results of Conducted Emissions on AC Mains

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

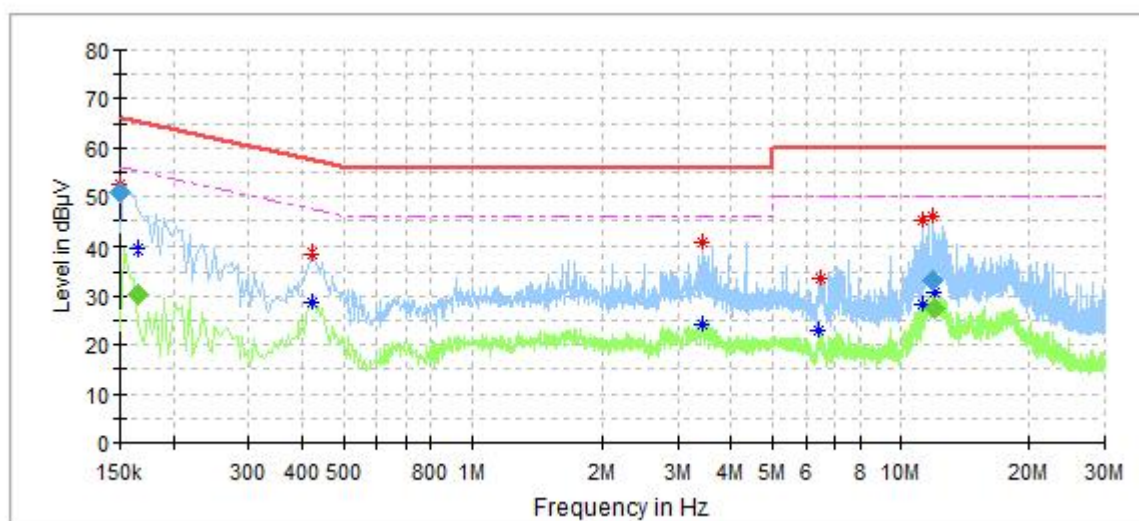
Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.150000	52.78	---	65.57	12.78	L1	9.6
0.154000	---	39.77	55.36	15.59	L1	9.6
0.194000	---	29.19	53.86	24.67	L1	9.6
0.202000	46.21	---	63.53	17.31	L1	9.6
2.496000	---	20.68	46.00	25.32	L1	9.8
2.496000	36.25	---	56.00	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