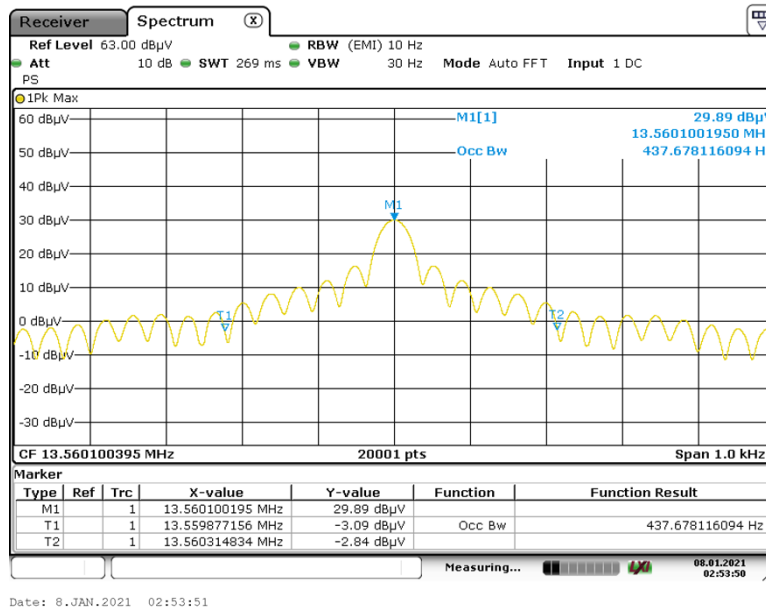
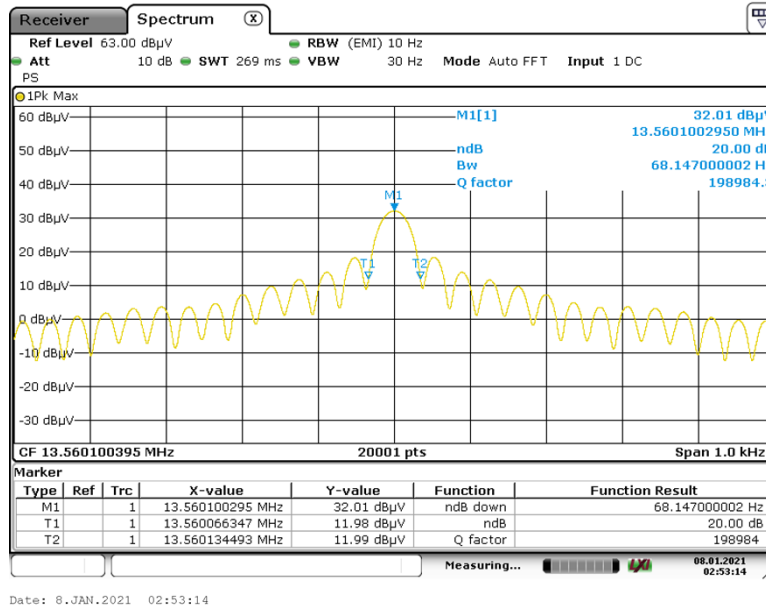


Appendix B: Test Results of NFC

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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	68.147	437.678



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	13560.102	102	±0.01 (1356Hz)	Pass
	-10	120	13560.093	93		Pass
	0	120	13560.098	98		Pass
	10	120	13560.124	124		Pass
	20	120	13560.163	163		Pass
	30	120	13560.148	148		Pass
	40	120	13560.181	181		Pass
	50	120	13560.213	213		Pass
	20	102	13560.205	205		Pass
		138	13560.276	276		Pass

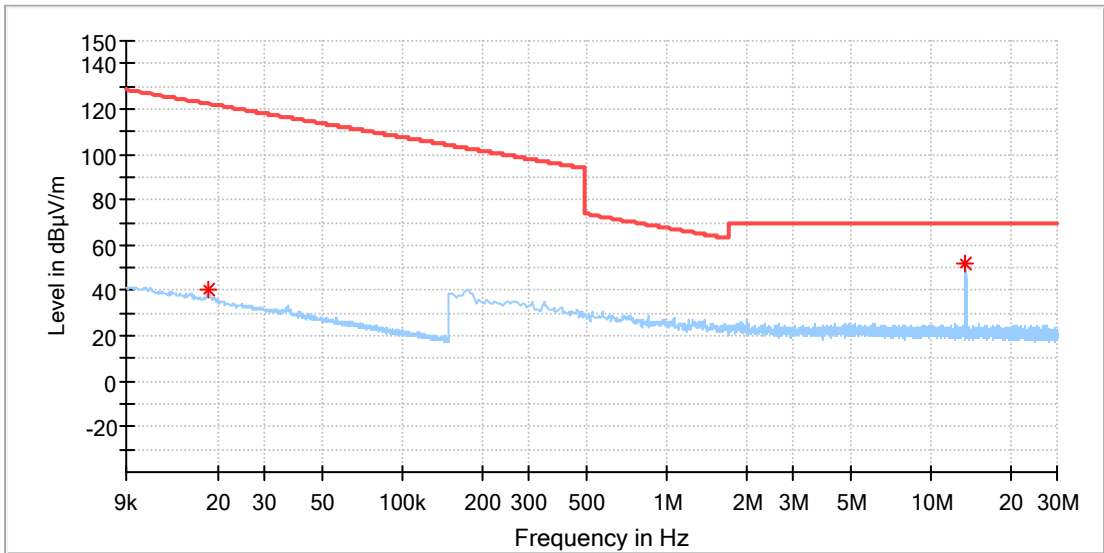
Note: Deviation (kHz) = (Test Result-13.56MHz)*1000

Appendix B.3: Test Results of Radiated Spurious Emissions

9 KHz to 30 MHz

EUT Information

EUT Name:	Label maker
Model:	LabelWriter 5XL
Test Mode:	13.56MHz
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC Part 15C
Tested By:	Alano Qu
Reviewed By:	Terry Yin

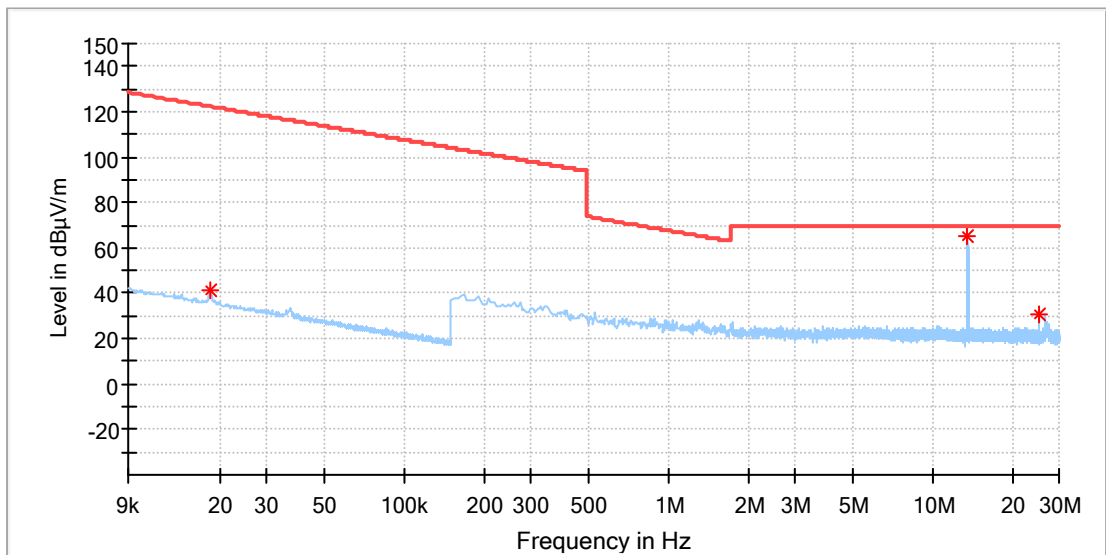


Critical Freqs

Frequency (MHz)	Max Peak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
0.018266	40.07	122.36	82.29	100.0	X	35.0	20.0
13.560552	51.47			100.0	X	189.0	20.0

EUT Information

EUT Name:	Label maker
Model:	LabelWriter 5XL
Test Mode:	13.56MHz
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC Part 15C
Tested By:	Alano Qu
Reviewed By:	Terry Yin

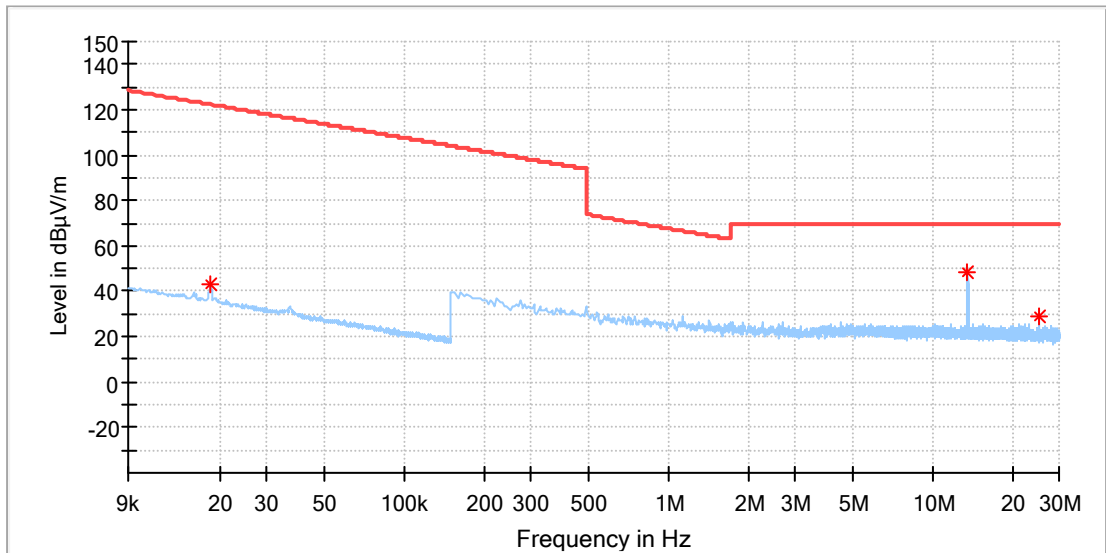


Critical Freqs

Frequency (MHz)	Max Peak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
0.018366	41.10	122.31	81.21	100.0	Y	331.0	20.0
13.560552	65.35			100.0	Y	148.0	20.0
25.004515	30.47	69.50	39.03	100.0	Y	225.0	20.0

EUT Information

EUT Name:	Label maker
Model:	LabelWriter 5XL
Test Mode:	13.56MHz
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC Part 15C
Tested By:	Alano Qu
Reviewed By:	Terry Yin



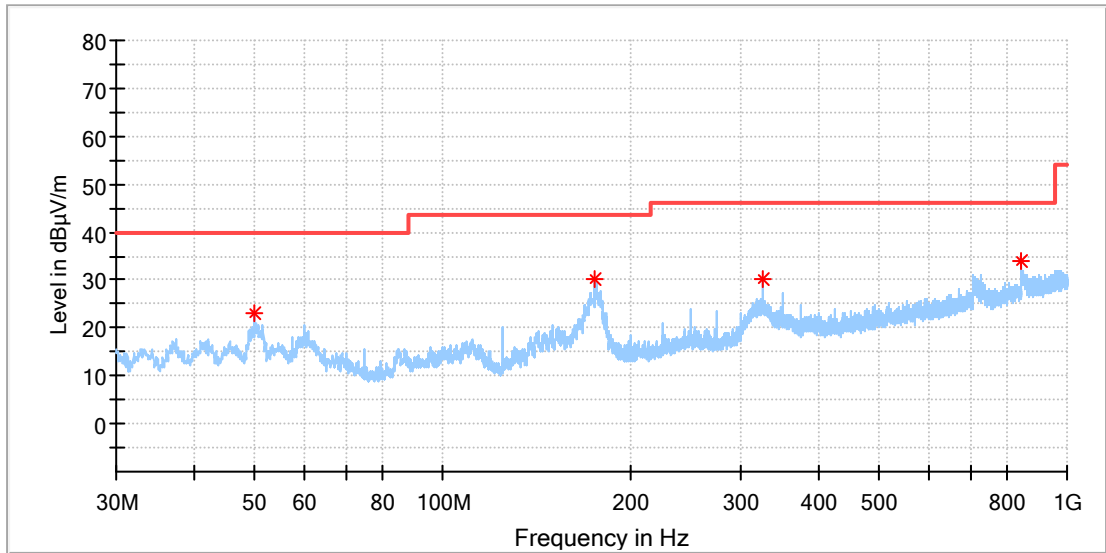
Critical Freqs

Frequency (MHz)	Max Peak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
0.018366	42.86	122.31	79.44	100.0	Z	63.0	20.0
13.560552	48.45			100.0	Z	211.0	20.0
25.000125	29.26	69.50	40.24	100.0	Z	106.0	20.0

30 MHz to 1GHz

EUT Information

EUT Name:	Label maker
Model:	LabelWriter 5XL
Test Mode:	13.56MHz
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC Part 15C
Tested By:	Alano Qu
Reviewed By:	Terry Yin

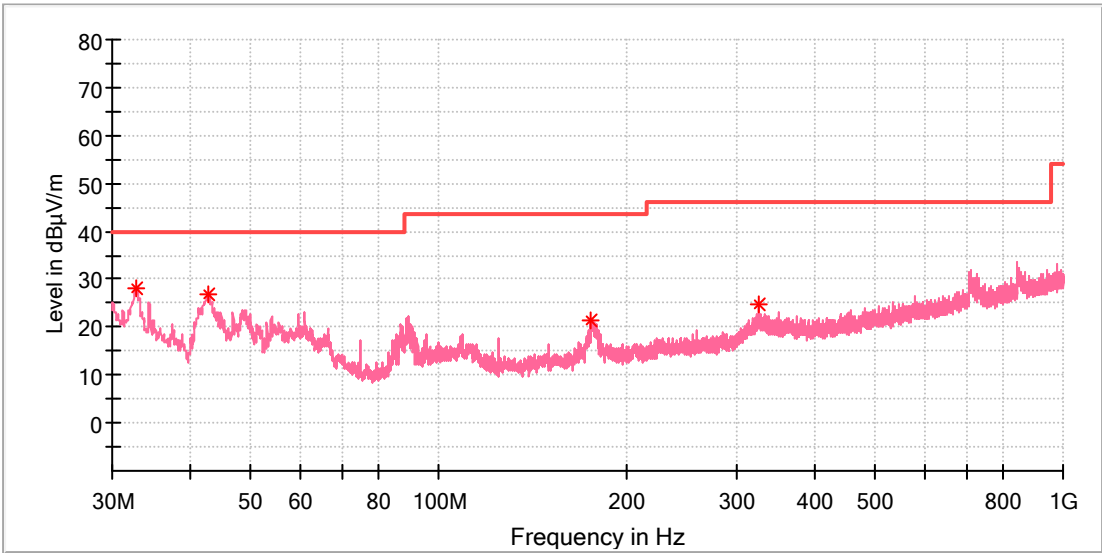


Critical Freqs

Frequency (MHz)	Max Peak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.982000	23.21	40.00	16.79	100.0	H	132.0	-18.3
174.966500	30.16	43.50	13.34	100.0	H	46.0	-20.9
324.977000	30.13	46.00	15.87	100.0	H	46.0	-15.6
845.333500	34.05	46.00	11.95	100.0	H	54.0	-5.6

EUT Information

EUT Name:	Label maker
Model:	LabelWriter 5XL
Test Mode:	13.56MHz
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC Part 15C
Tested By:	Alano Qu
Reviewed By:	Terry Yin



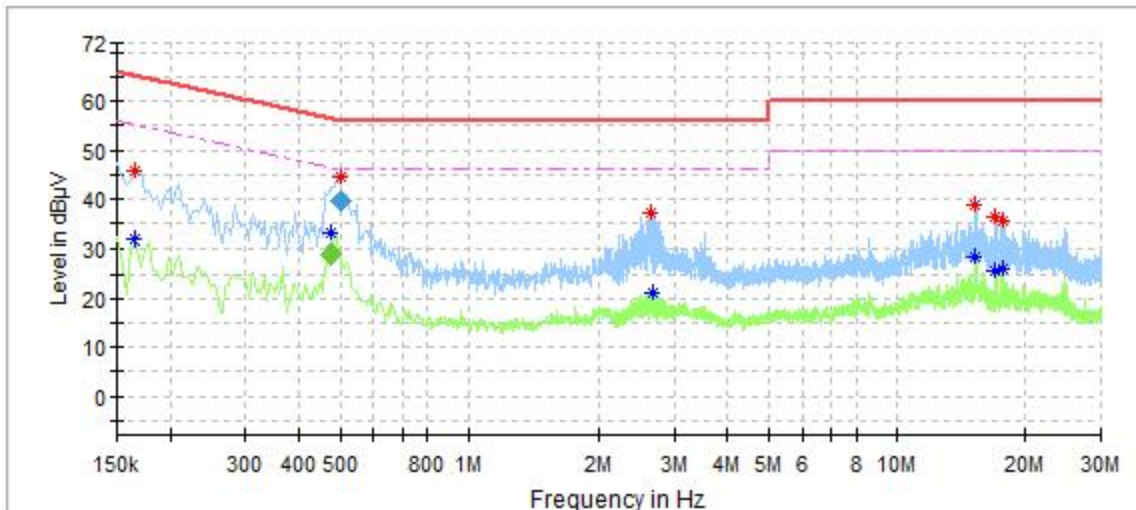
Critical Freqs

Frequency (MHz)	Max Peak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
32.861500	28.29	40.00	11.71	100.0	V	183.0	-22.5
42.901000	26.66	40.00	13.35	100.0	V	6.0	-19.3
175.015000	21.52	43.50	21.98	100.0	V	355.0	-20.9
324.977000	24.92	46.00	21.08	100.0	V	6.0	-15.6

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

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

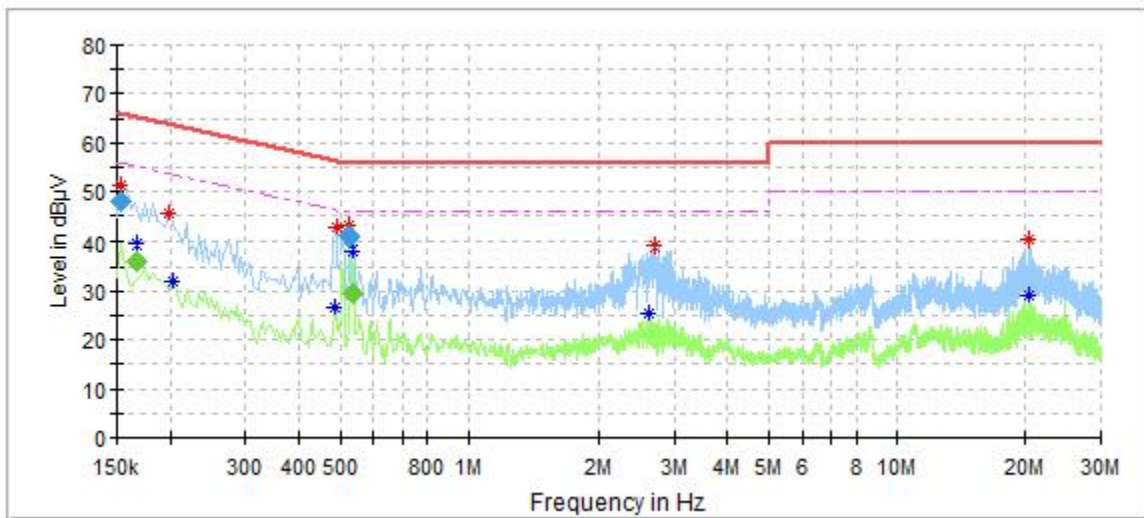
Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.166000	---	31.66	55.16	23.50	L1	9.6
0.166000	45.90	---	65.16	19.26	L1	9.6
0.476500	---	32.95	46.17	13.22	L1	9.7
0.500000	44.31	---	56.17	11.86	L1	9.7
2.652000	37.22	---	56.00	18.78	L1	9.8
2.664000	---	21.31	46.00	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