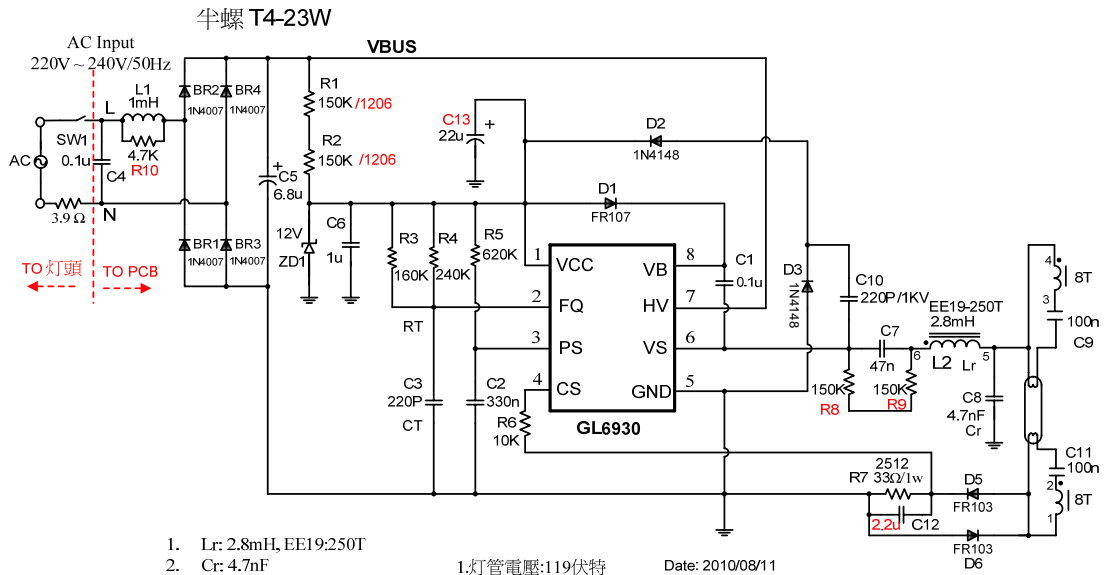


# 测试报告

客户: 照明电子股份有限公司

规格:						
• 输入: AC 230V/60Hz • 瓦特:T4-23W • 灯管色温:6000K						
输出表现: <b>GL6930</b> 四段调光 (Lr:2.8mH, Cr:4.7nF)						
测试项目	规格	1	2	3	4	单位
管压	<b>120</b>	119	144	177	199	伏特
管流	<b>165</b>	159	87.7	40.1	15.1	毫安
输出功率	<b>19.8</b>	18.92	12.62	7.09	3	瓦特
频率		44.39	55.02	56.83	56.63	KHz
预热灯管管压	<b>&lt; 100</b>	61.25	61.25	61.25	61.25	伏特
预热灯丝电压-峰对峰		19.4	19.4	19.4	19.4	伏特
预热灯丝电流-峰对峰		583	583	583	583	毫安
预热时间	<b>&lt; 1.0</b>	1.64	0.72	0.72	0.72	秒
热阻/冷阻比值(Rc=8)	<b>4~6</b>	4	4	4	4	
导入阴极电流		91	147	184	201	毫安
灯丝电流		192	223	218	213	毫安
灯丝电压		3.02	6.02	7.82	9.05	伏特
光通量 (Lm)		1520.7	1107.2	619.1	239.7	流明
输入特性: 输入电压: <b>220Vac 60Hz</b>						
输入电流	<b>&lt; 170</b>	186.1	151.8	123.4	98.68	毫安
输入瓦数	<b>&gt;20.6</b>	21.4	17.2	12.5	9.26	瓦特
电气效率	<b>&gt;82</b>	88.41	77	56.78	32.45	%
发光效率	<b>&gt;65</b>	71	64.4	49.5	25.7	Lm/W
发光百分比	<b>100, 66, 33, 16</b>	100	72.8	40.7	15.8	%

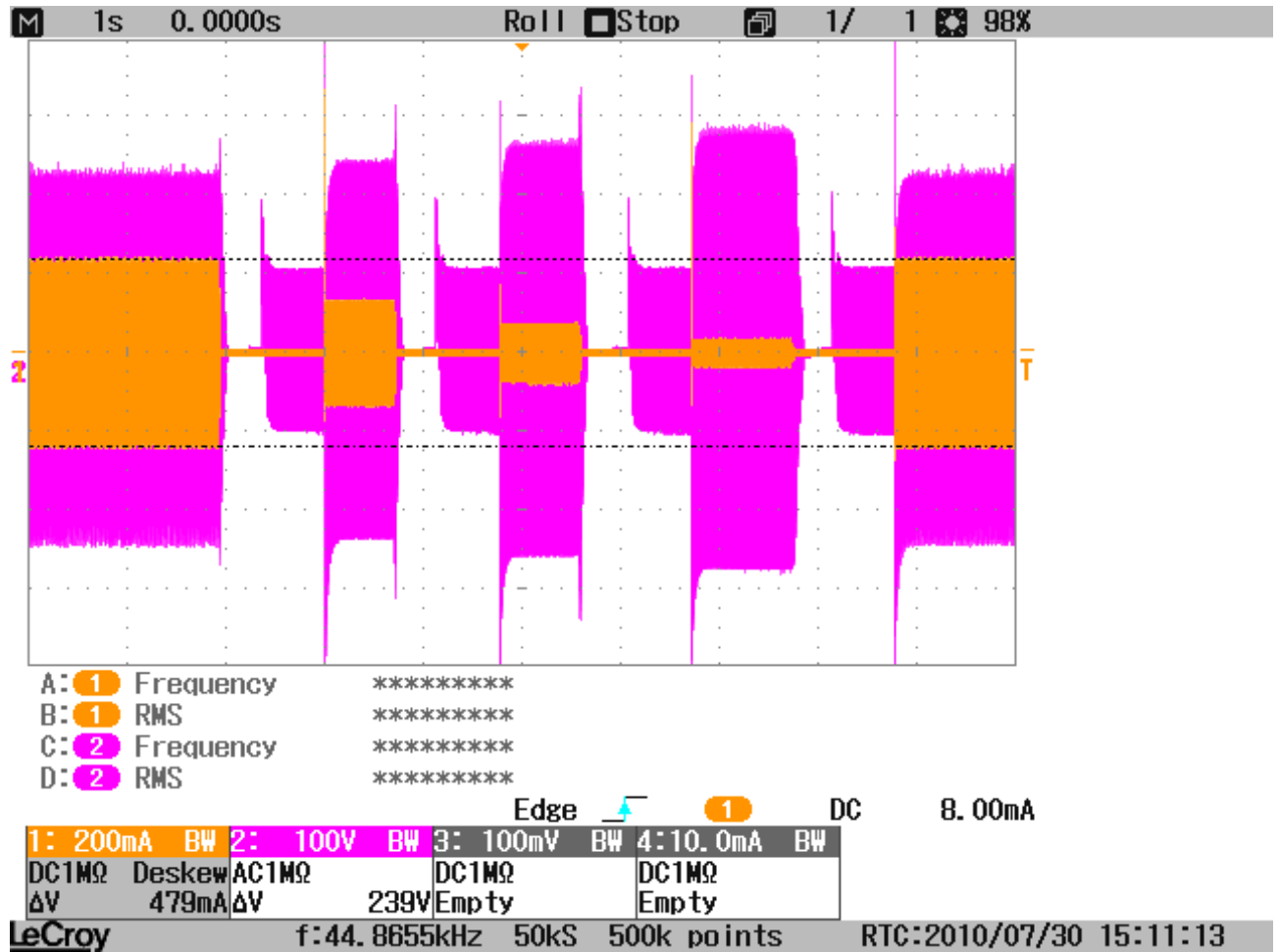
# GL6930 四段调光应用线路:



# T4-23W:

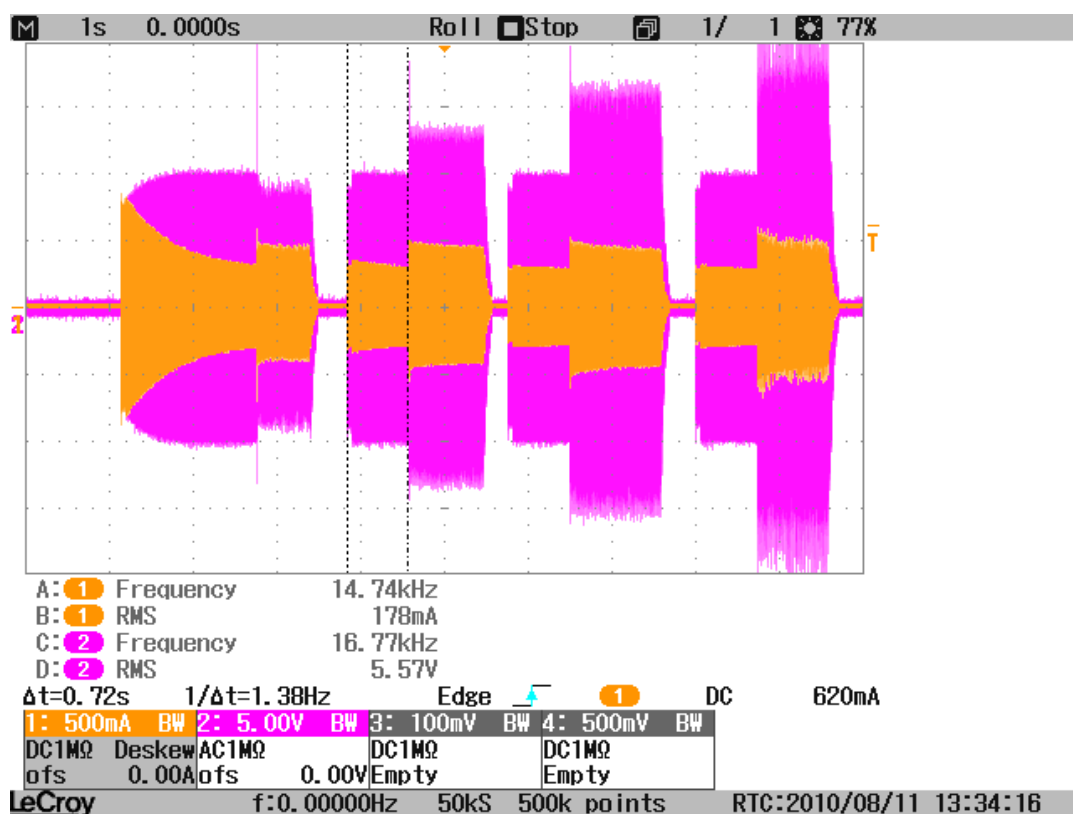
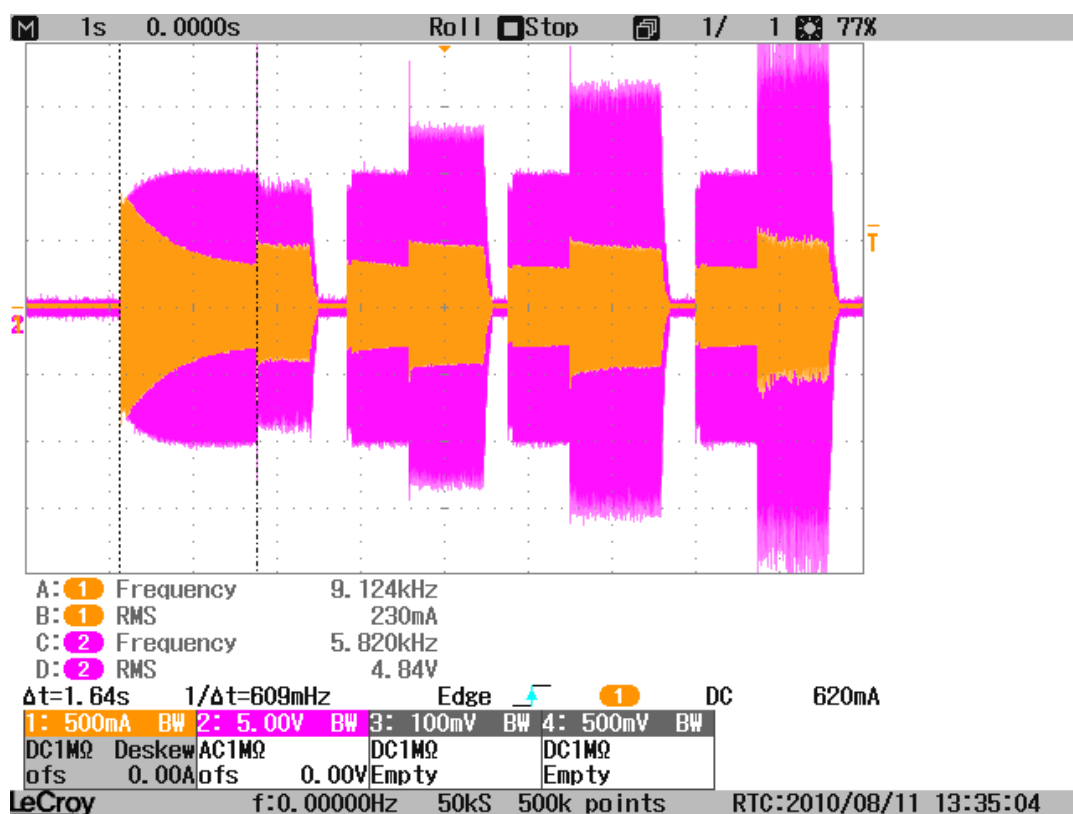
第一段至第四段管电流切换情况:

159mA, 87mA, 40mA, 15mA



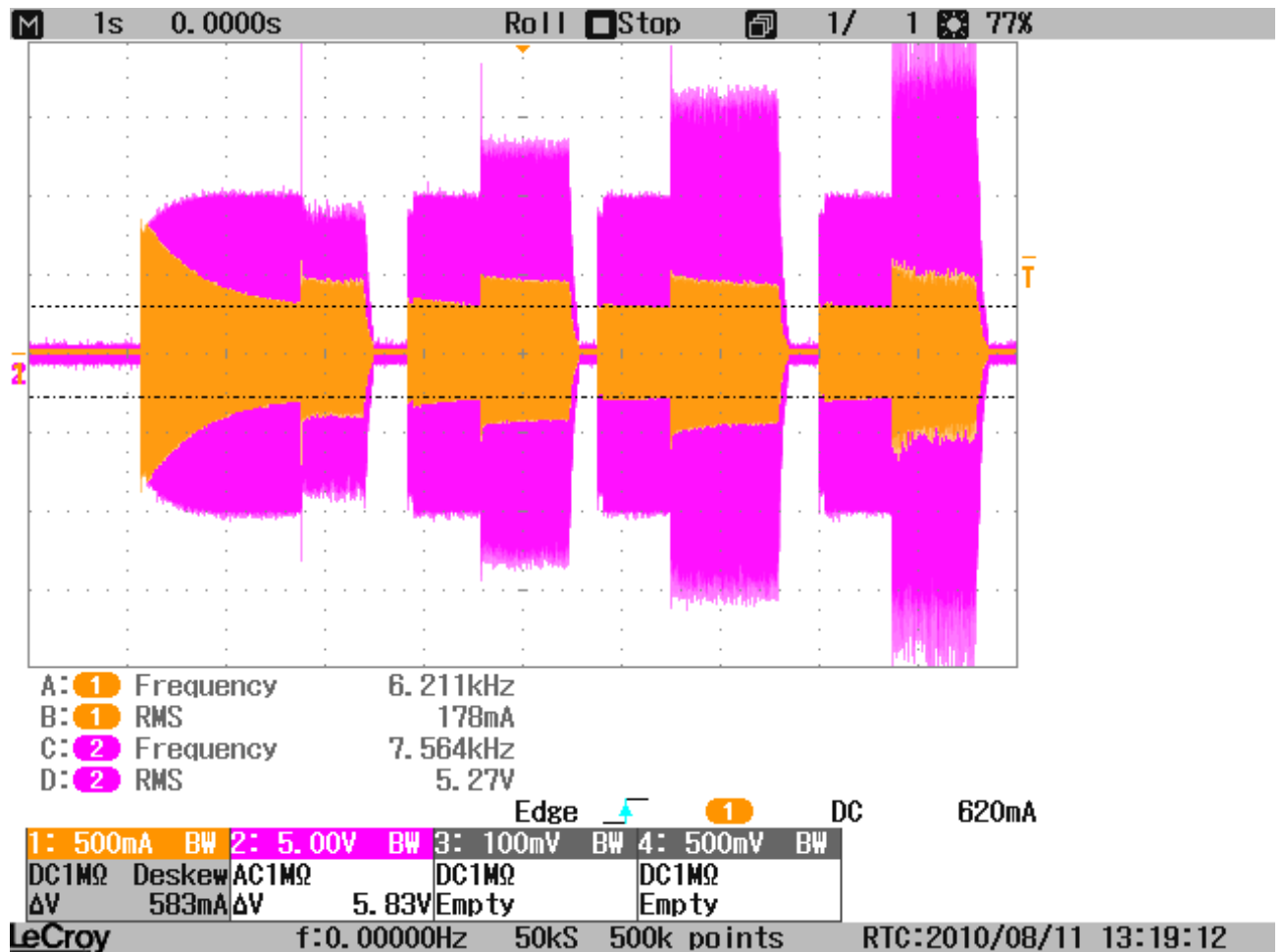
第一段至第四段灯丝电流预热时间切换情况:

1.64 秒, 0.72 秒, 0.72 秒, 0.72 秒



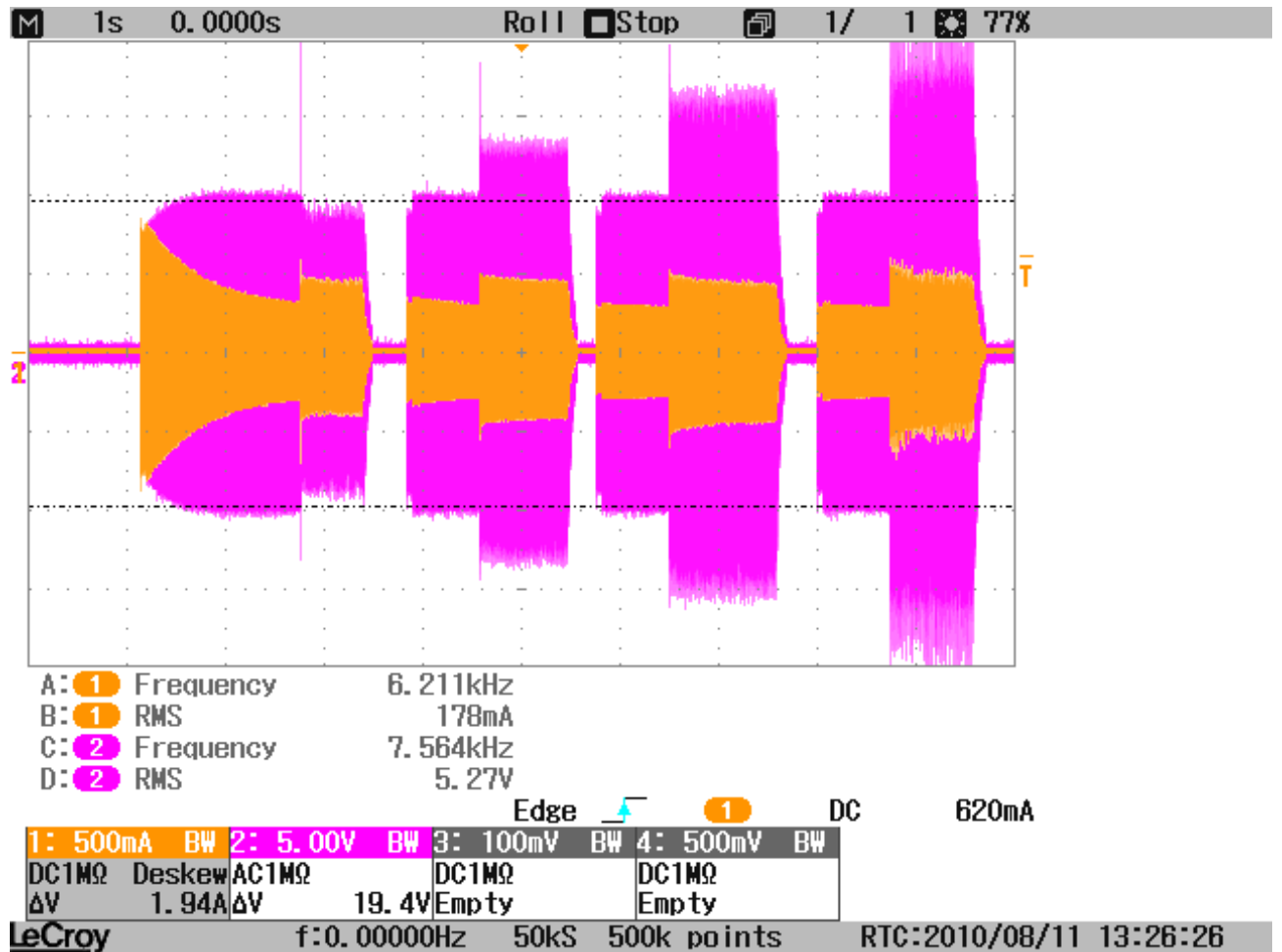
第一段至第四段灯丝电流预热切换情况:

灯丝预热电流峰对峰:583 毫安



第一段至第四段灯丝电压预热切换情况:

灯丝预热电压峰对峰:19.4 伏特



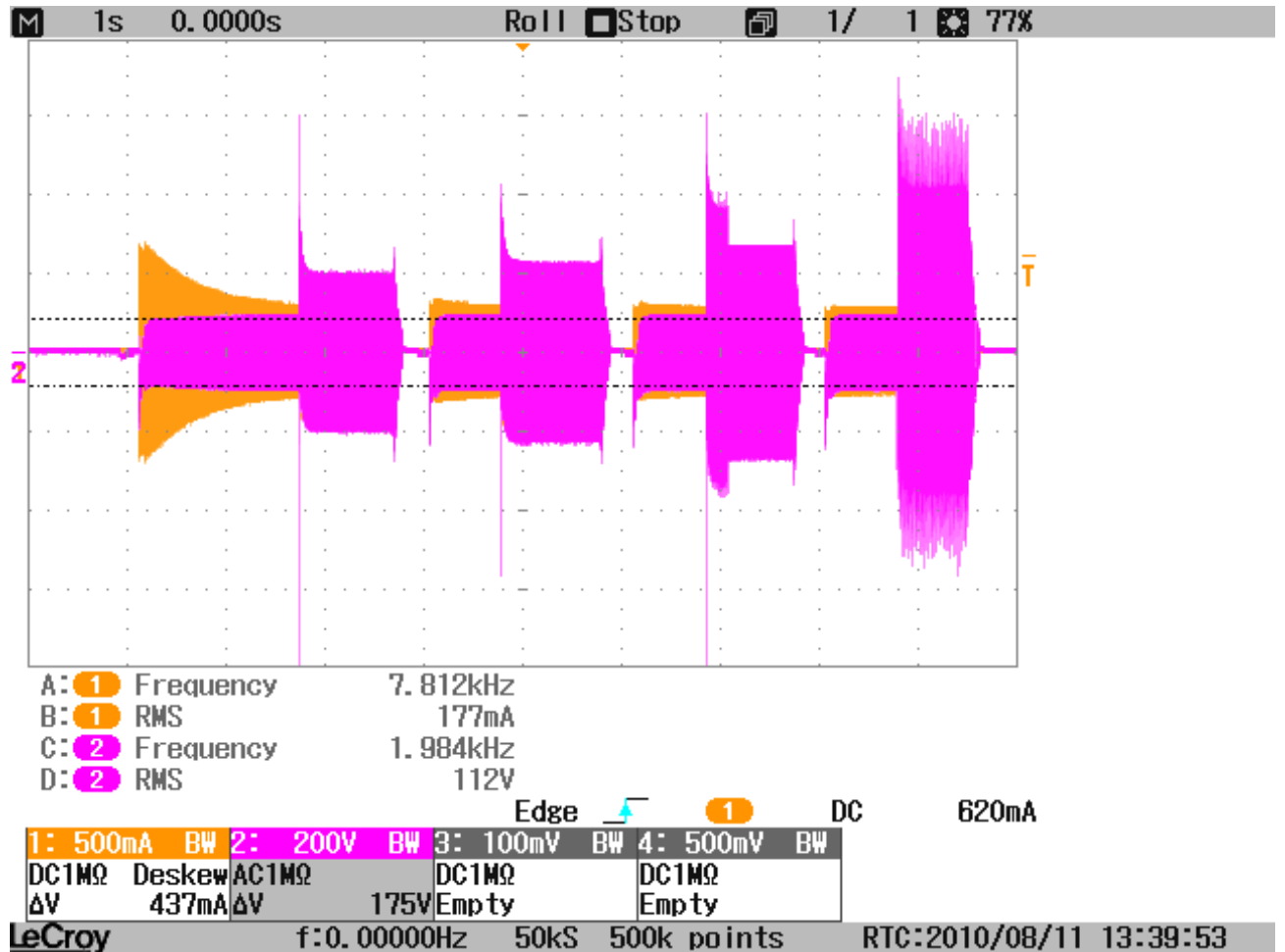
$$R_h = 19.4 / 0.583 = 33.27 \Omega$$

$$R_c = 8.3 \Omega$$

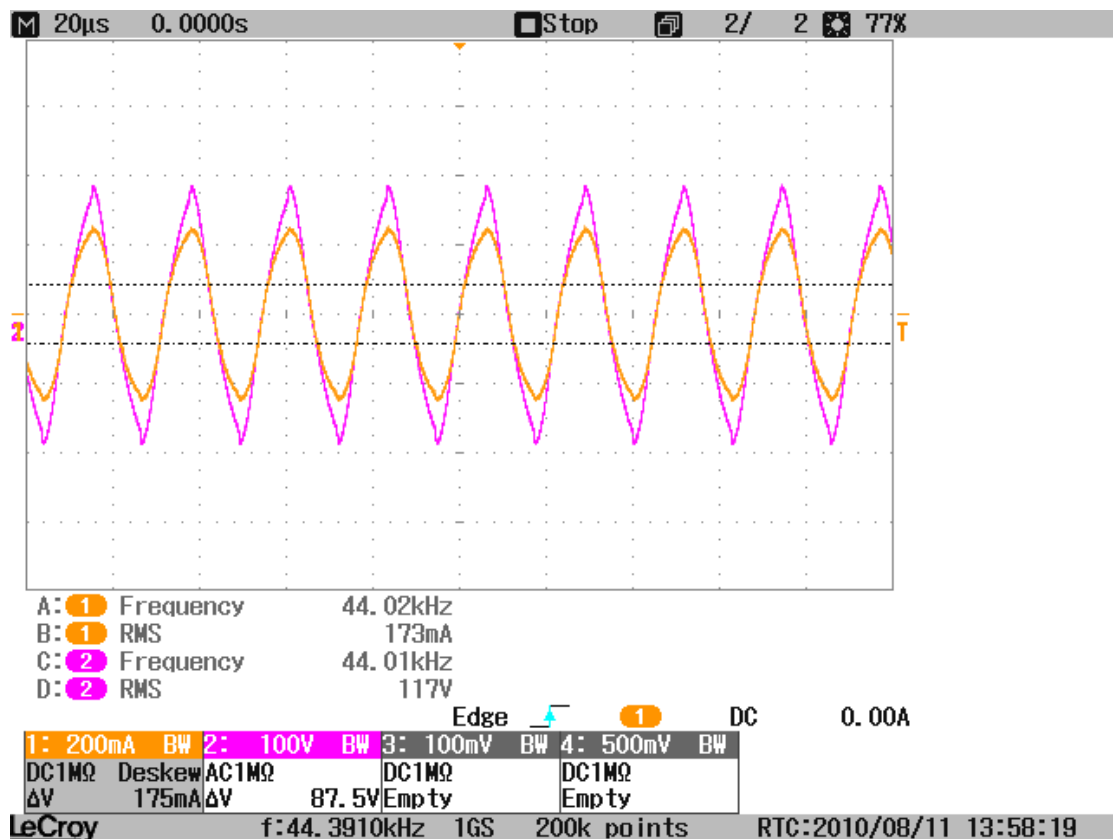
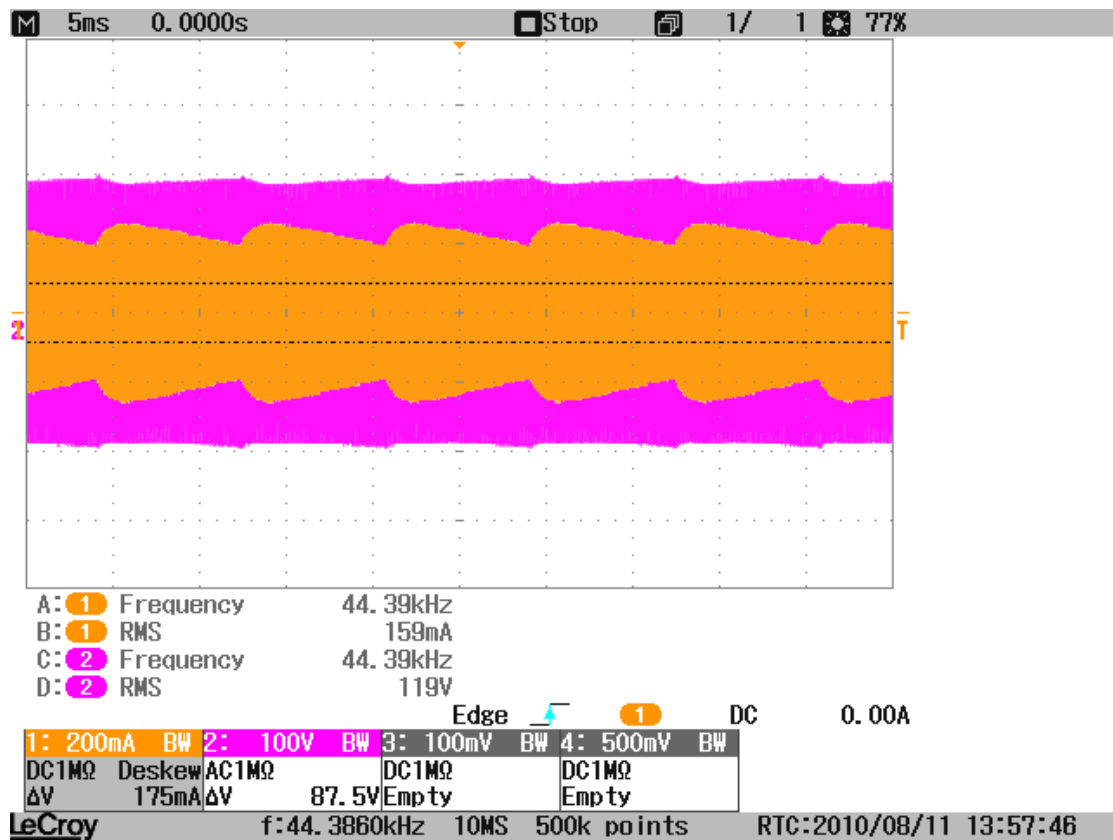
$$R_h / R_c = 33.27 / 8.3 = 4$$

第一段至第四段灯丝预热管电压切换情况:

灯丝预热管压峰对峰:175 伏特(61.25Vrms)

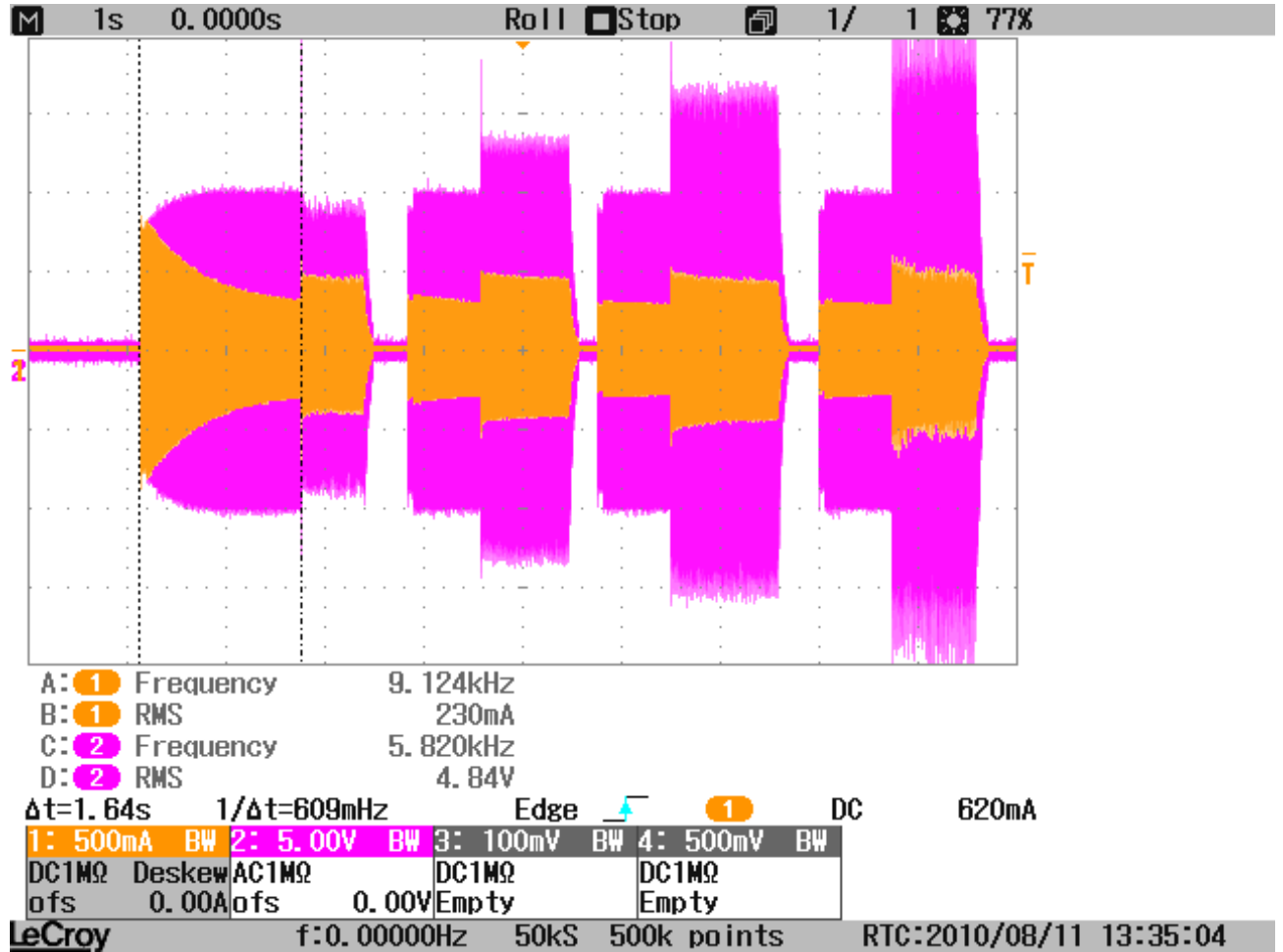


第一段:正常工作管压:119 伏特, 管流: 159mA,  
工作频率:44.39kHz

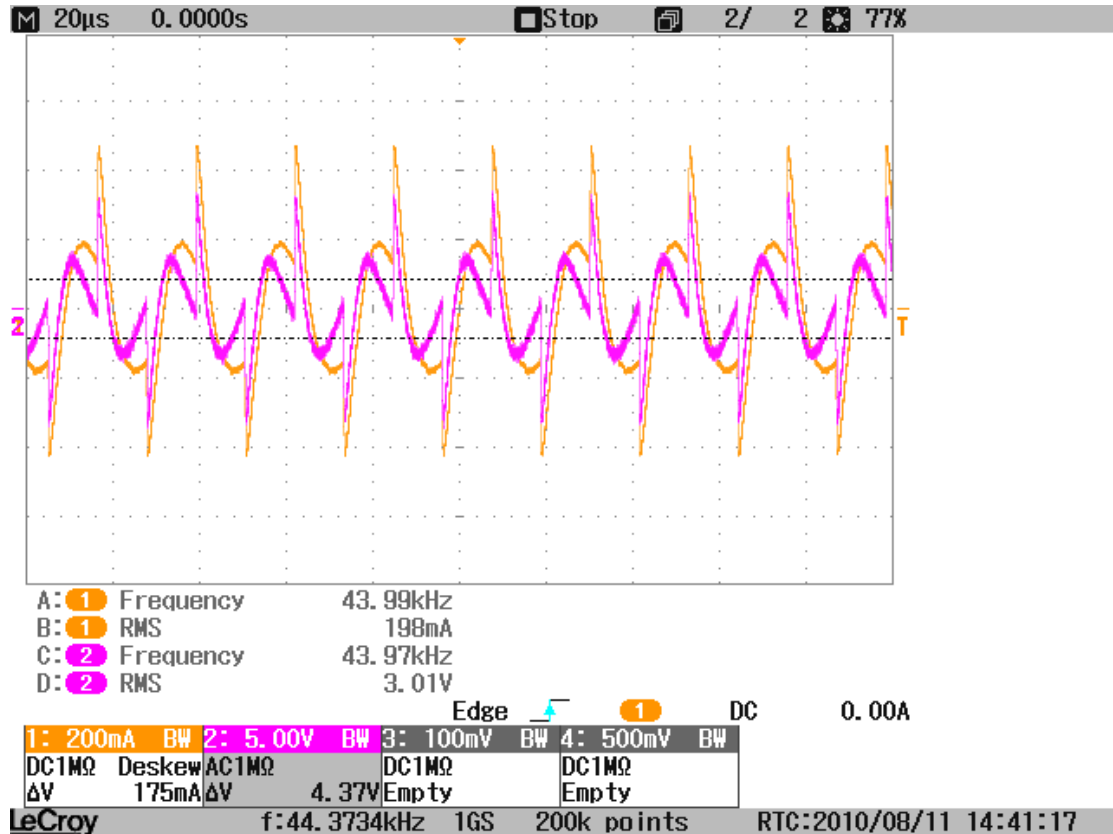
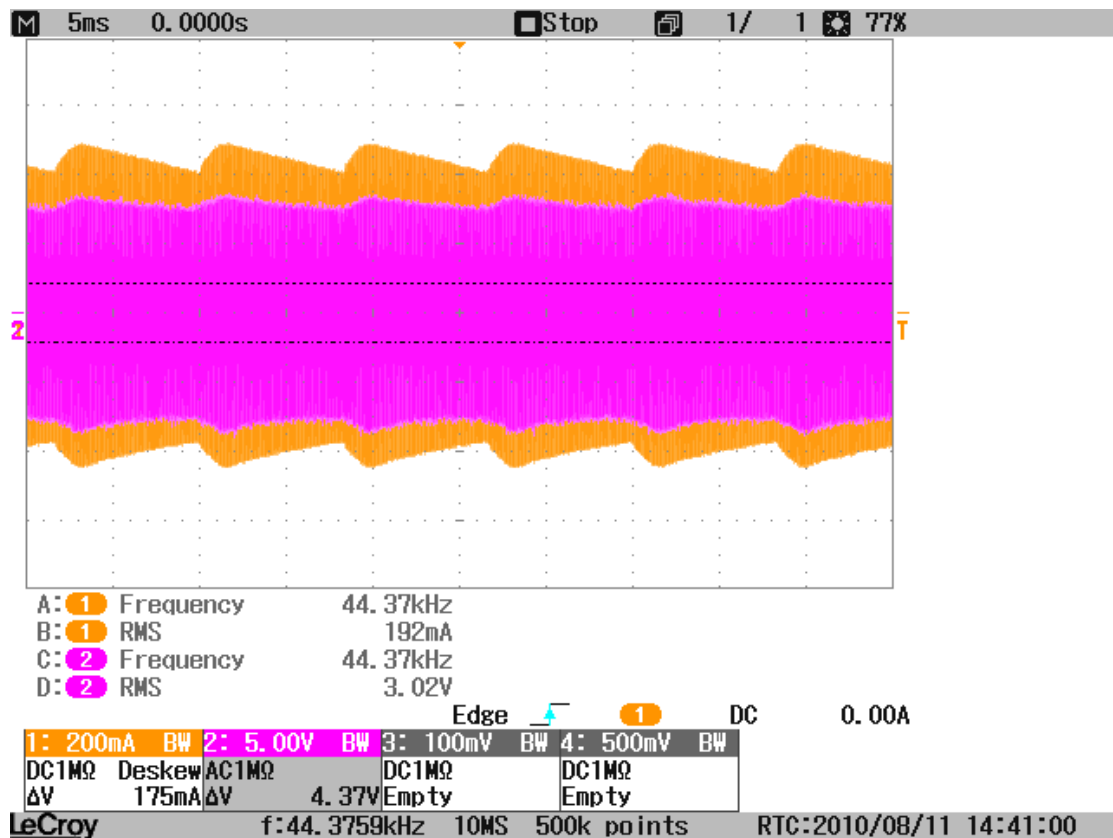




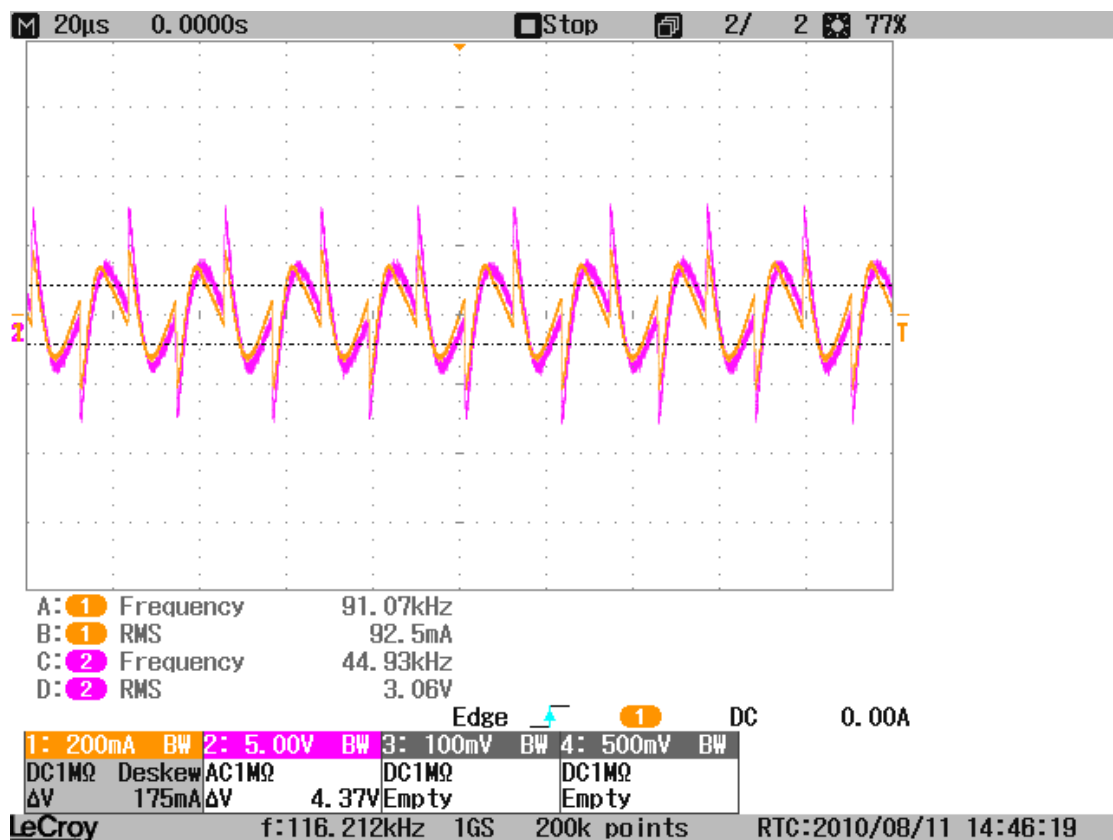
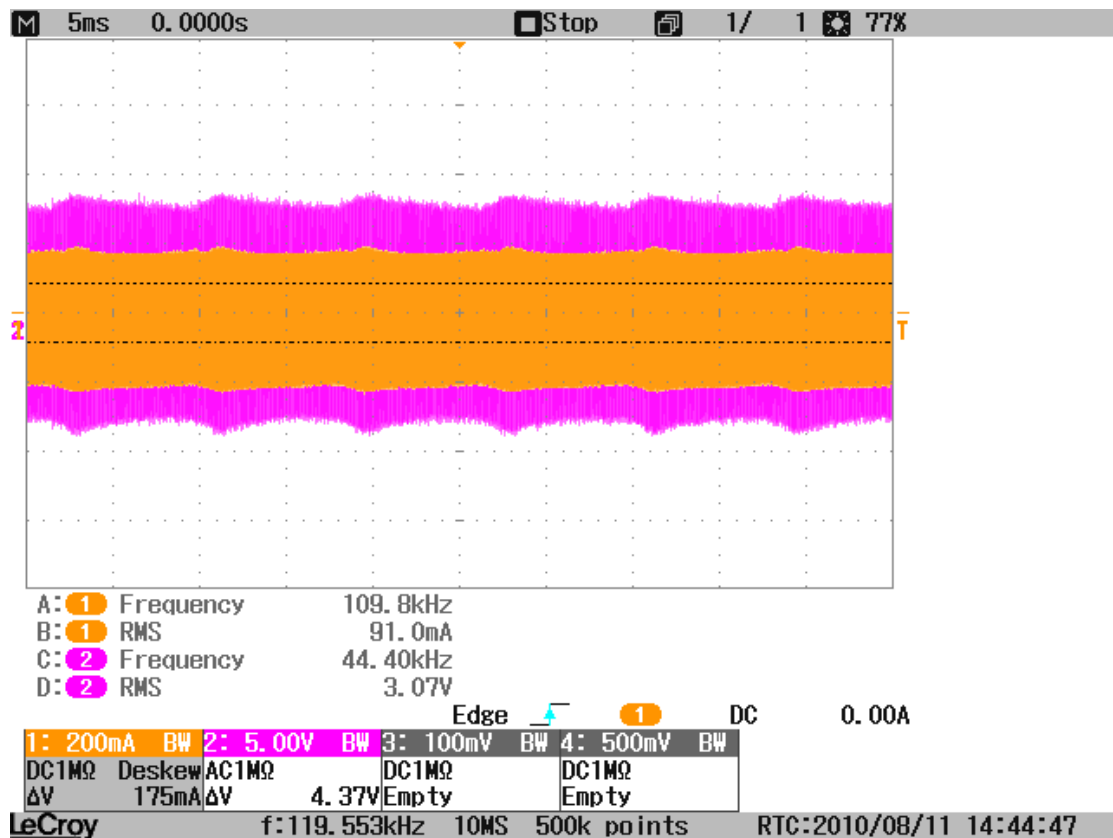
# 第一段:灯丝预热时间:1.64 秒



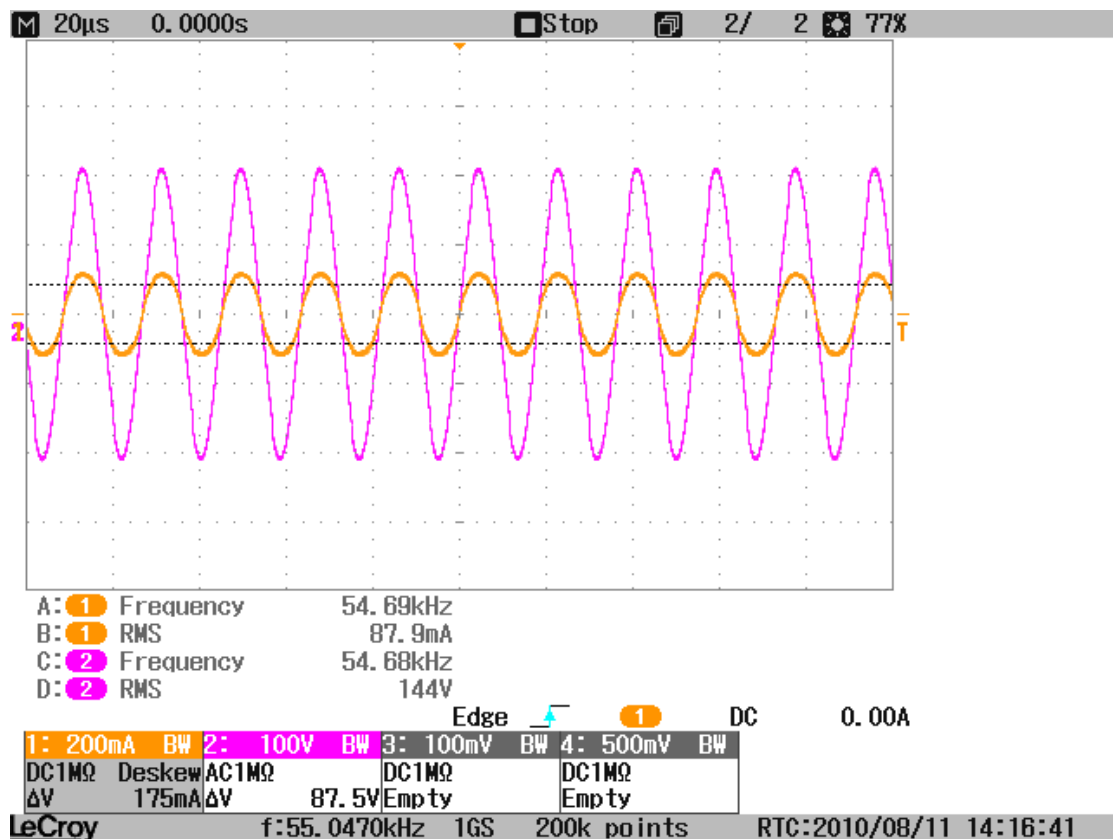
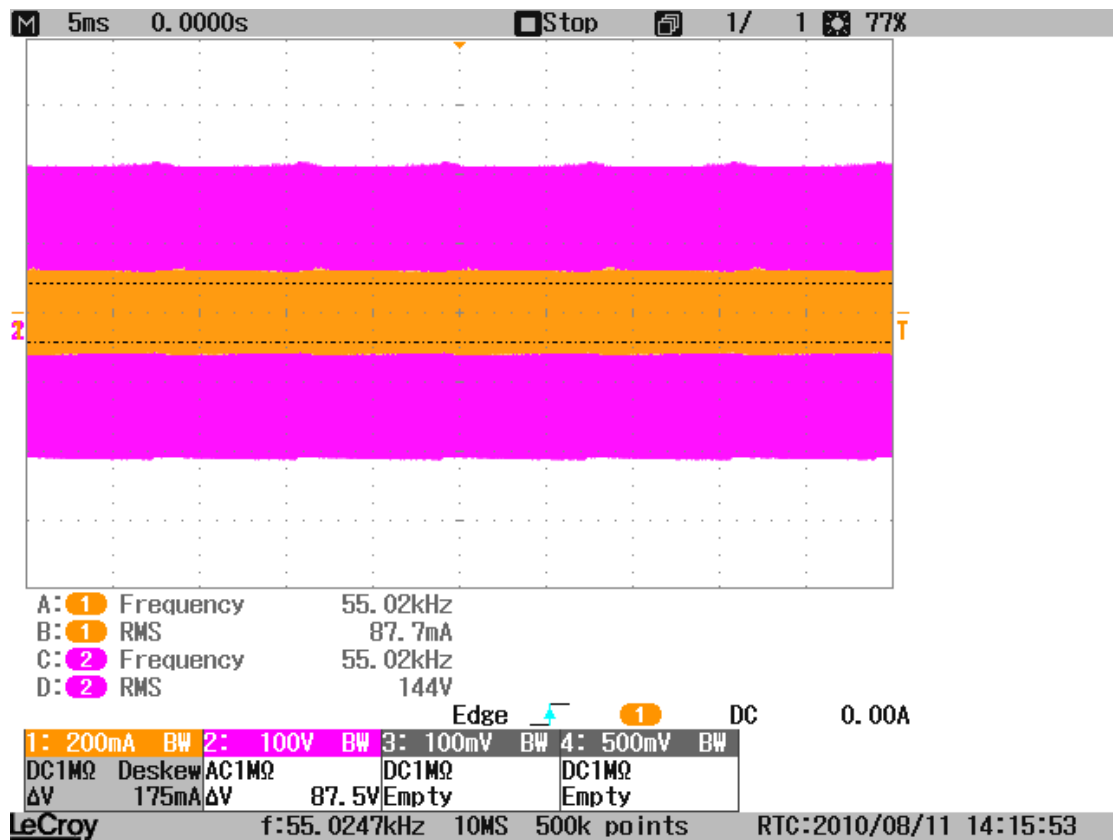
# 第一段:灯丝电流:192 毫安 灯丝电压:3.02Vrms



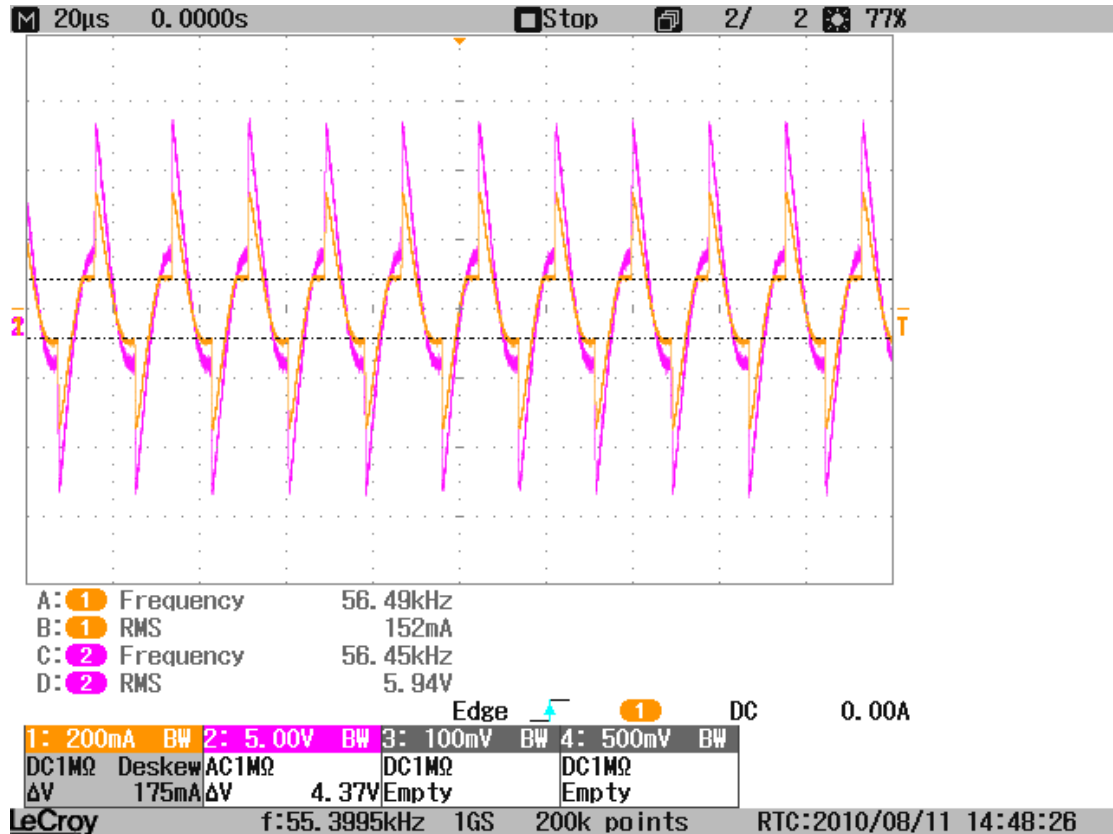
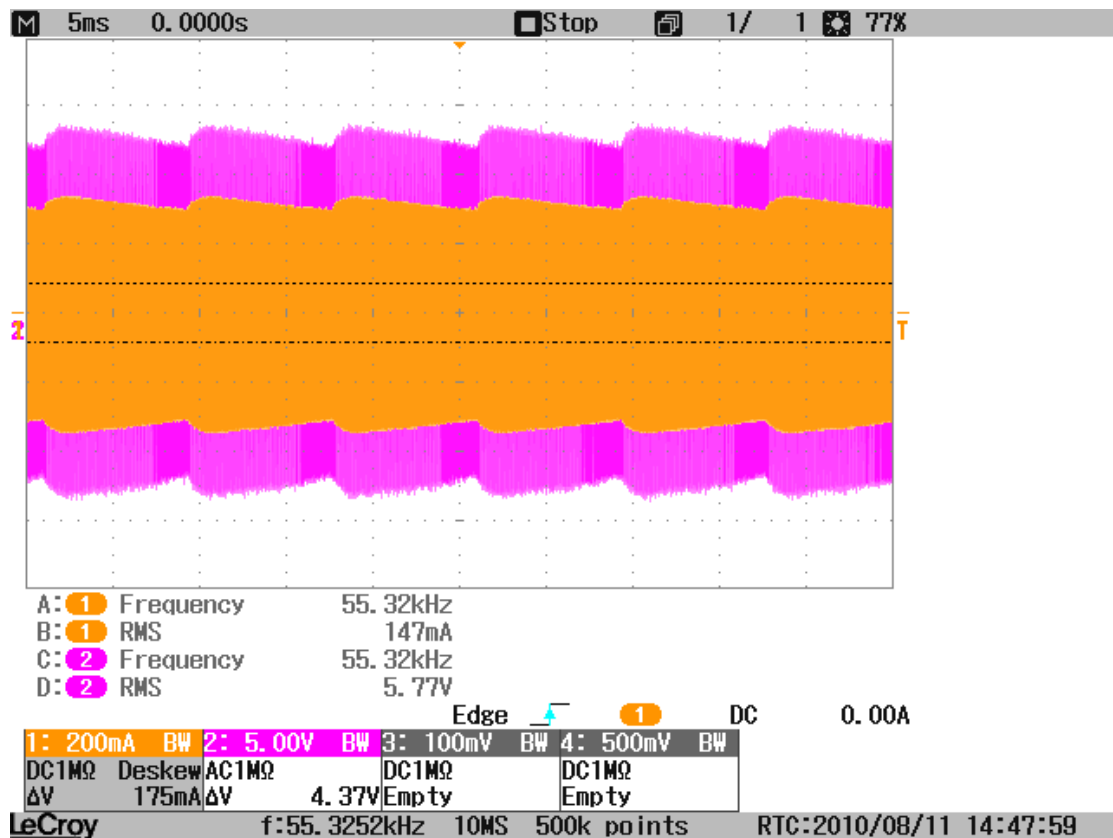
# 第一段:导入阴极电流:91 毫安



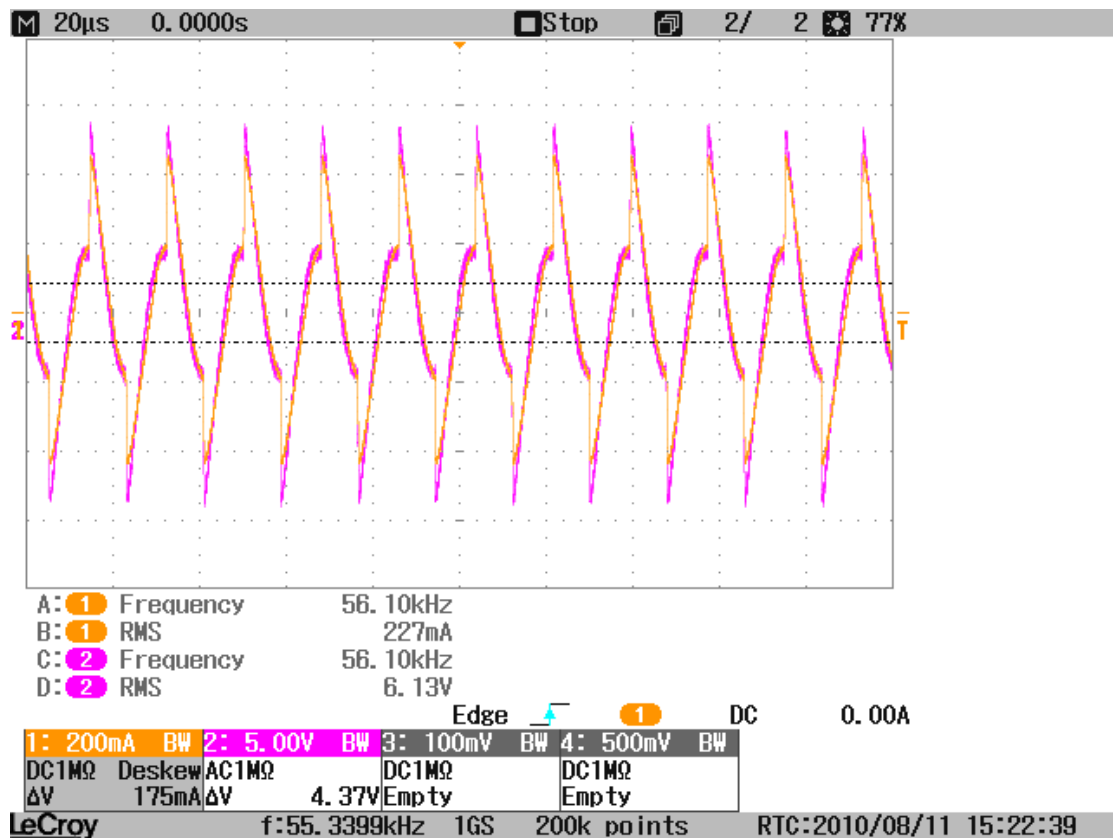
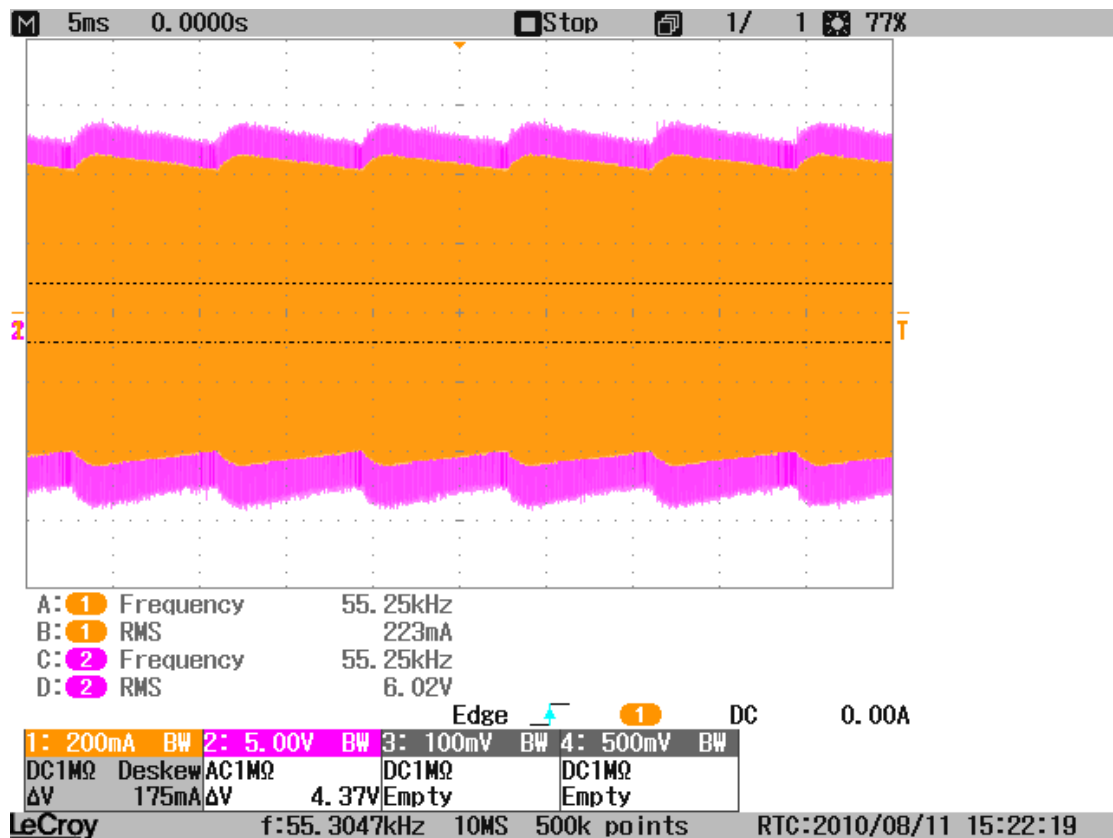
第二段:正常工作管压:144 伏特, 管流: 87.7mA,  
工作频率:55.02kHz



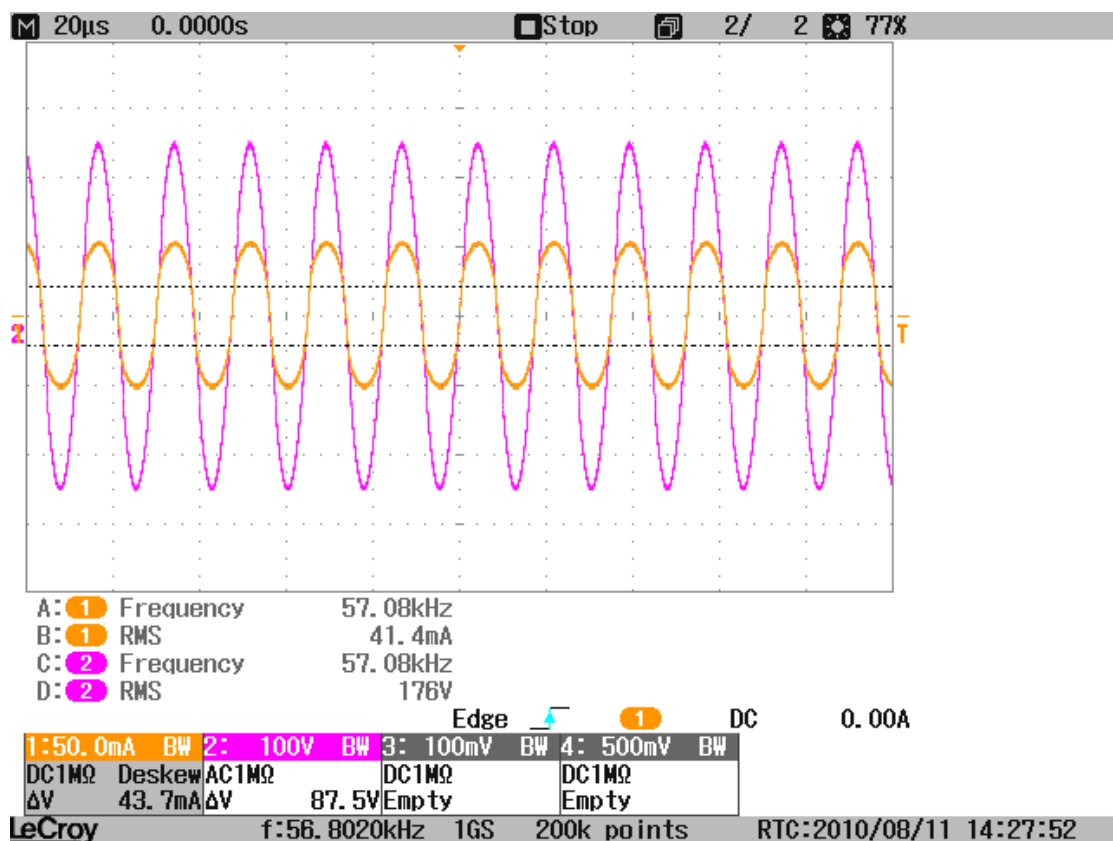
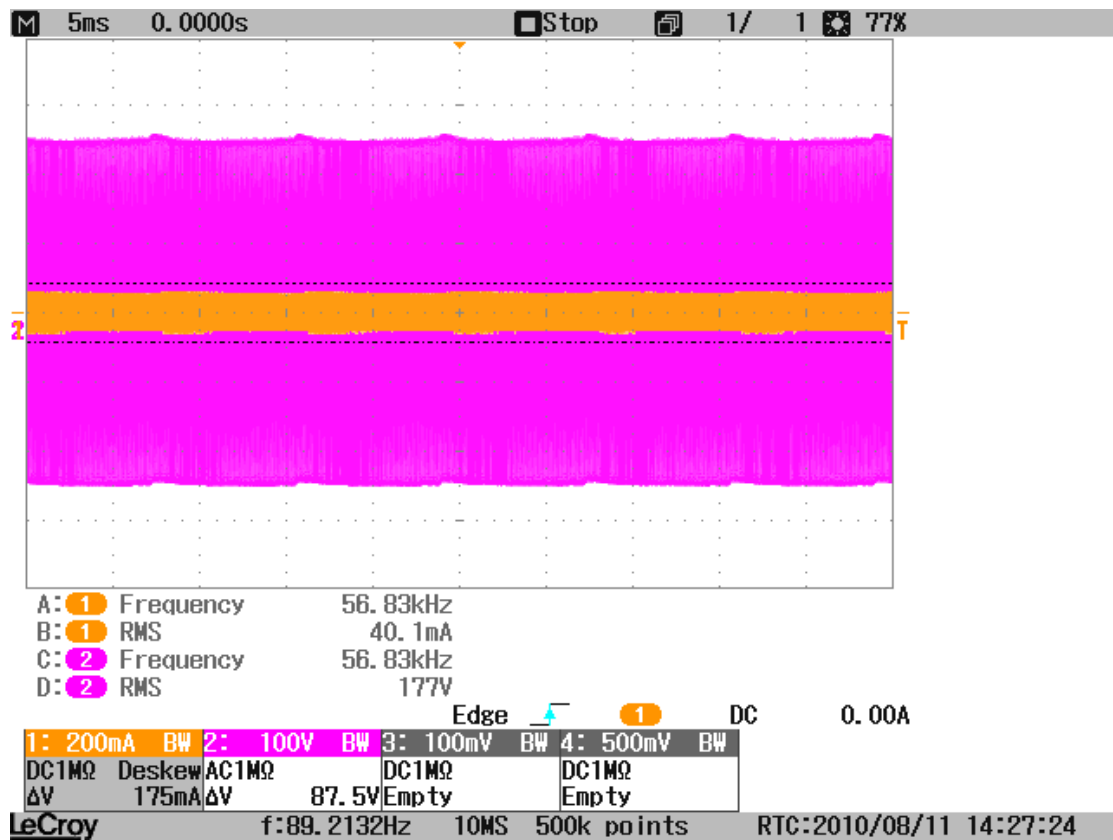
## 第二段：导入阴极电流:147 毫安



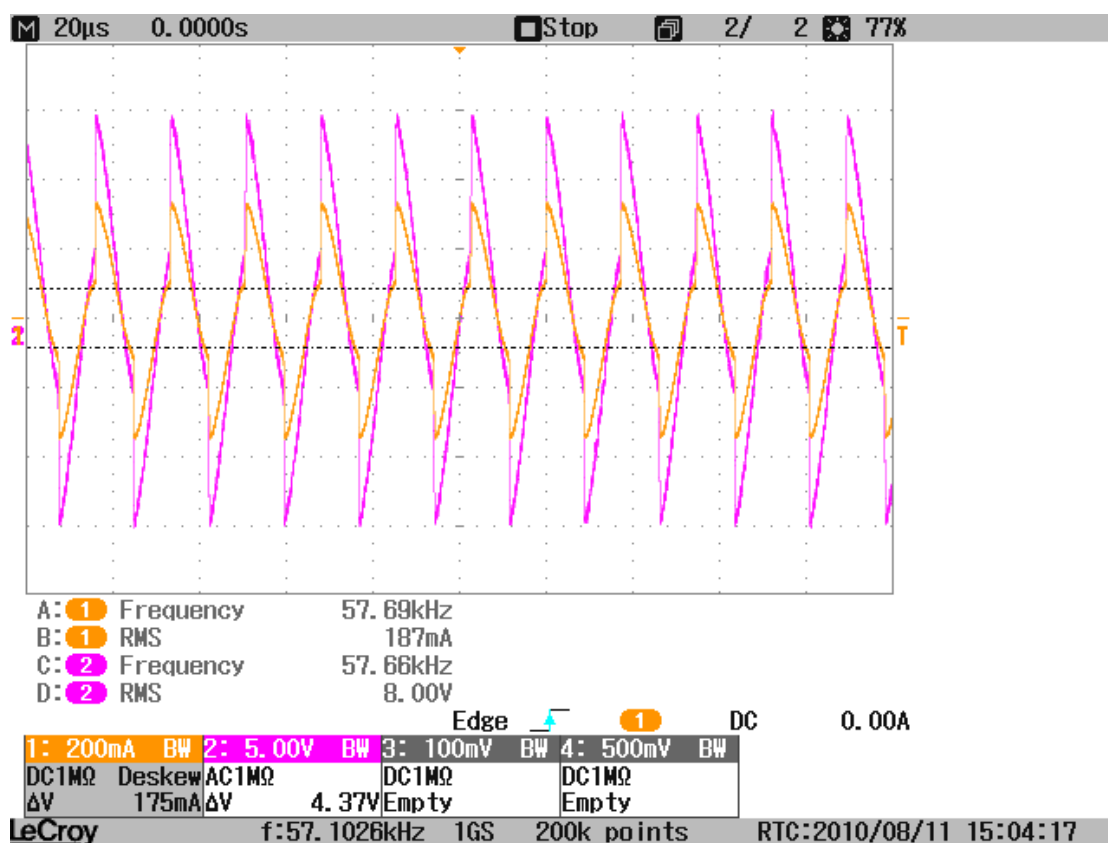
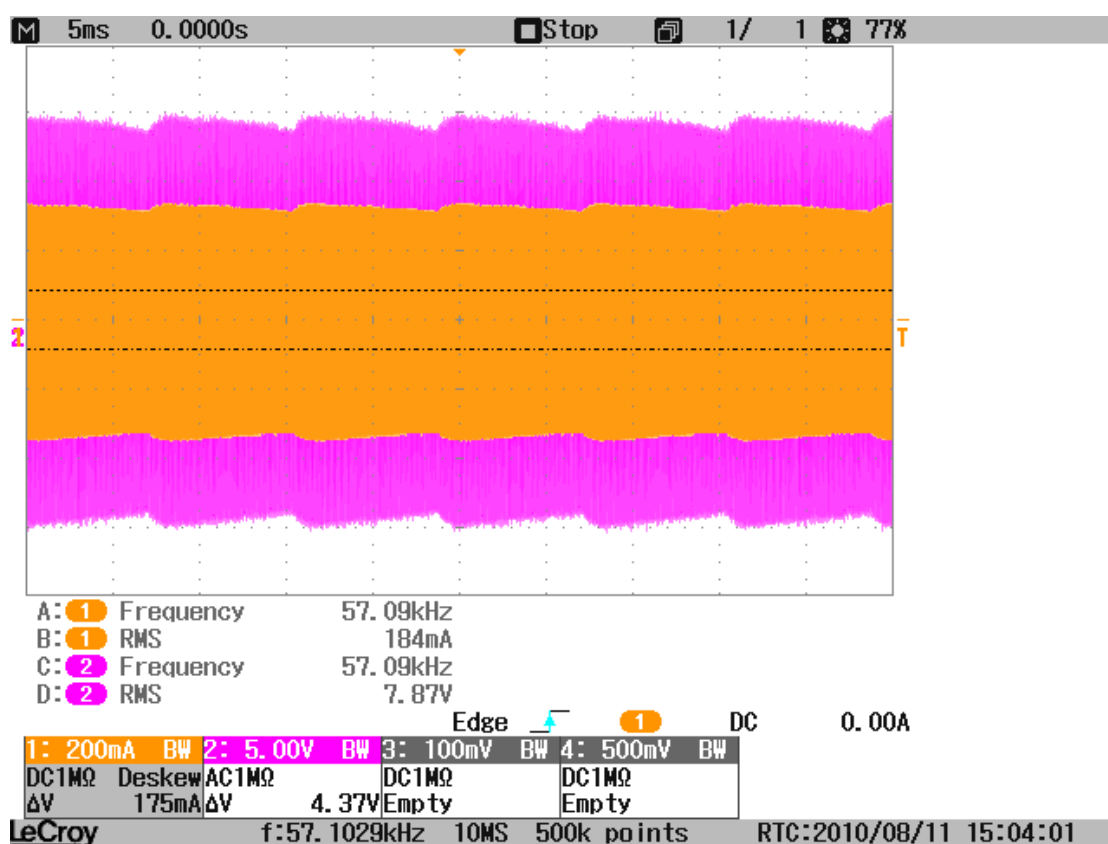
## 第二段: 灯丝电流:223 毫安 灯丝电压:6.02Vrms



第三段:正常工作管压:177 伏特, 管流: 40.1mA,  
工作频率:56.83kHz

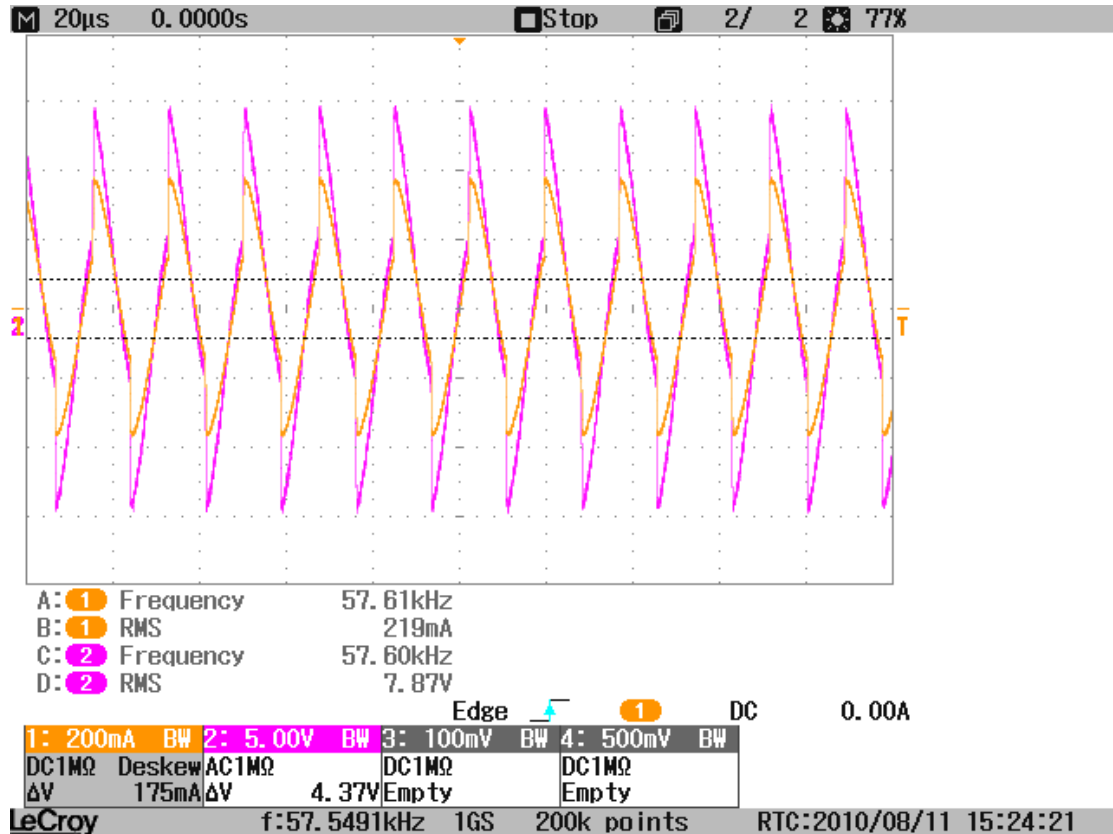
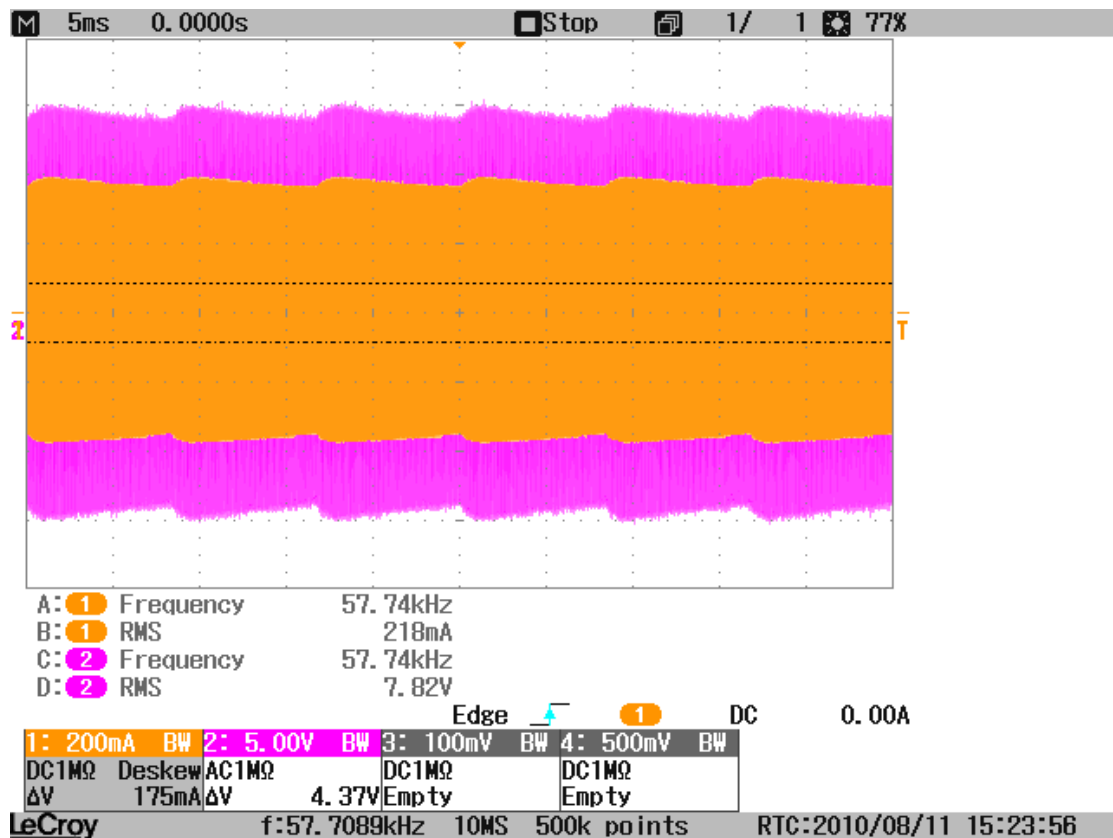


### 第三段：导入阴极电流:184 毫安



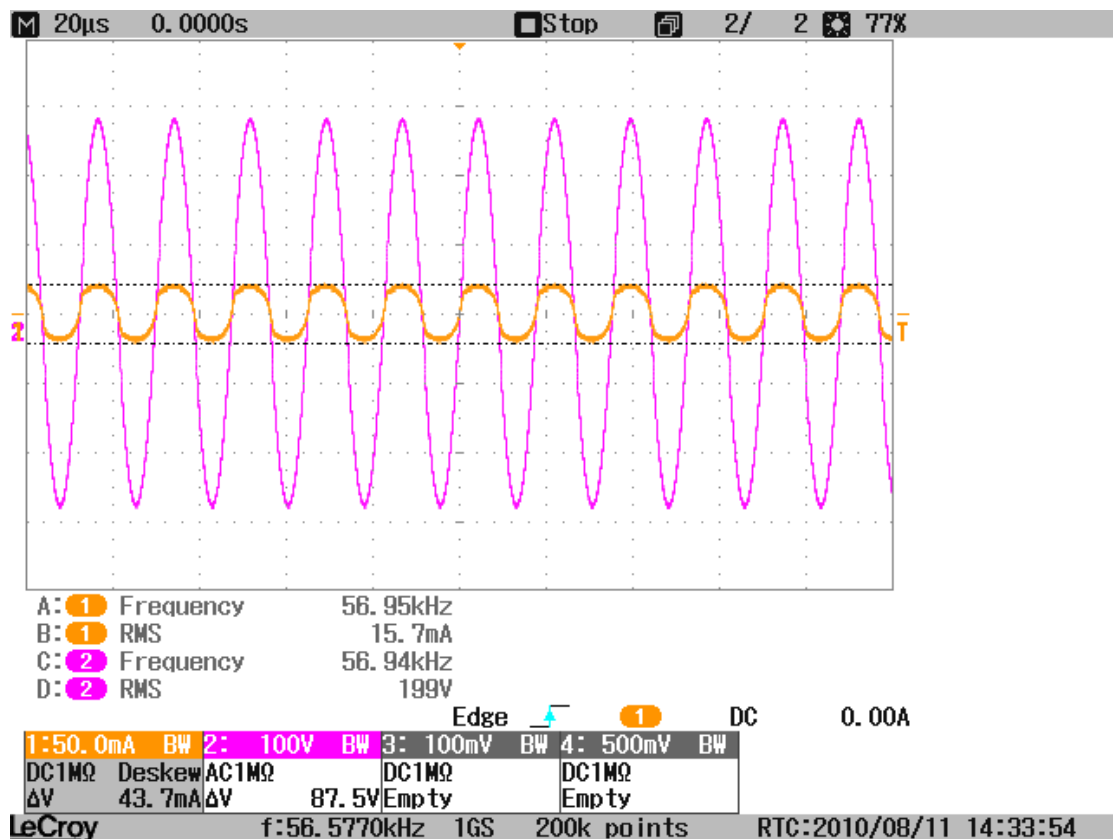
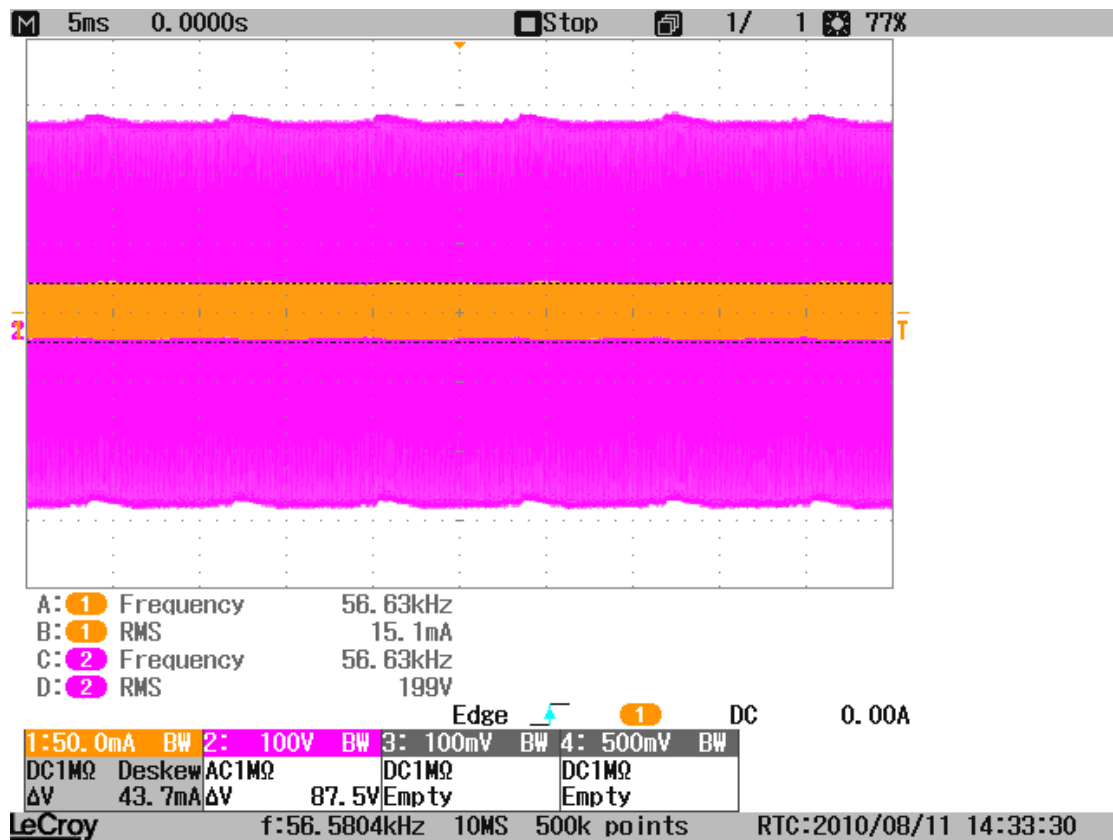


### 第三段: 灯丝电流:218 灯丝电压:7.82ms

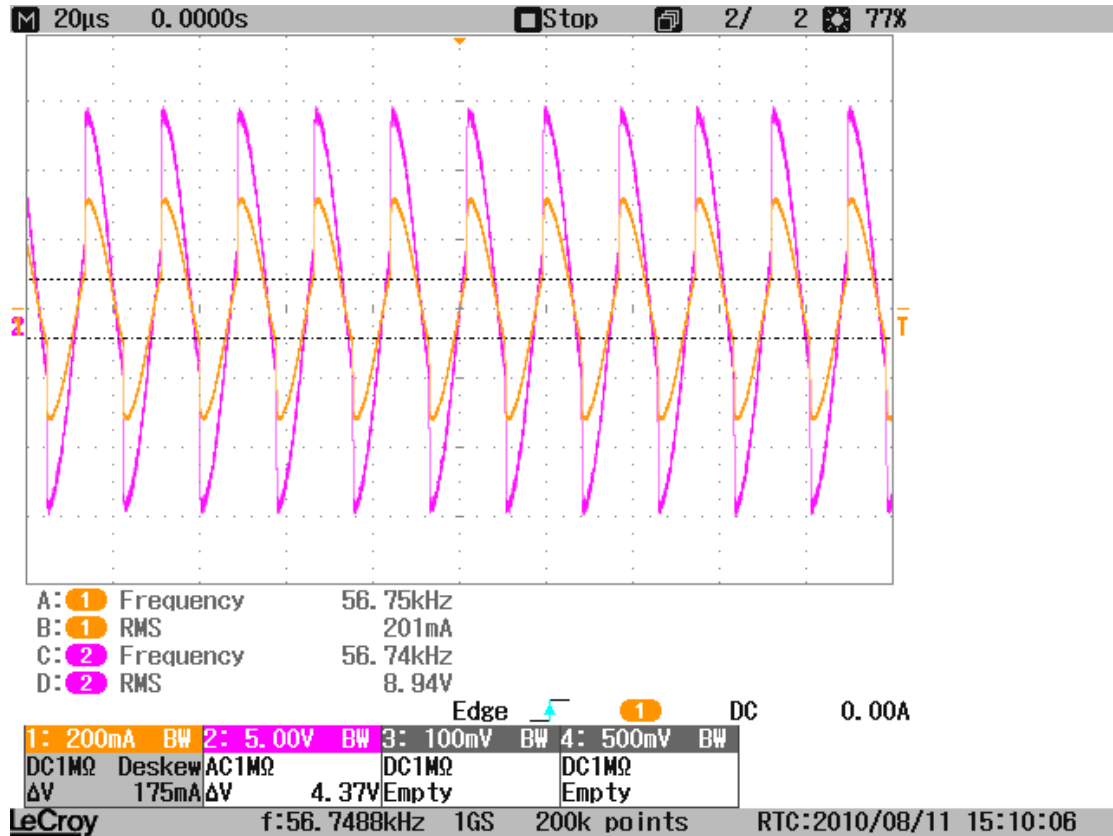
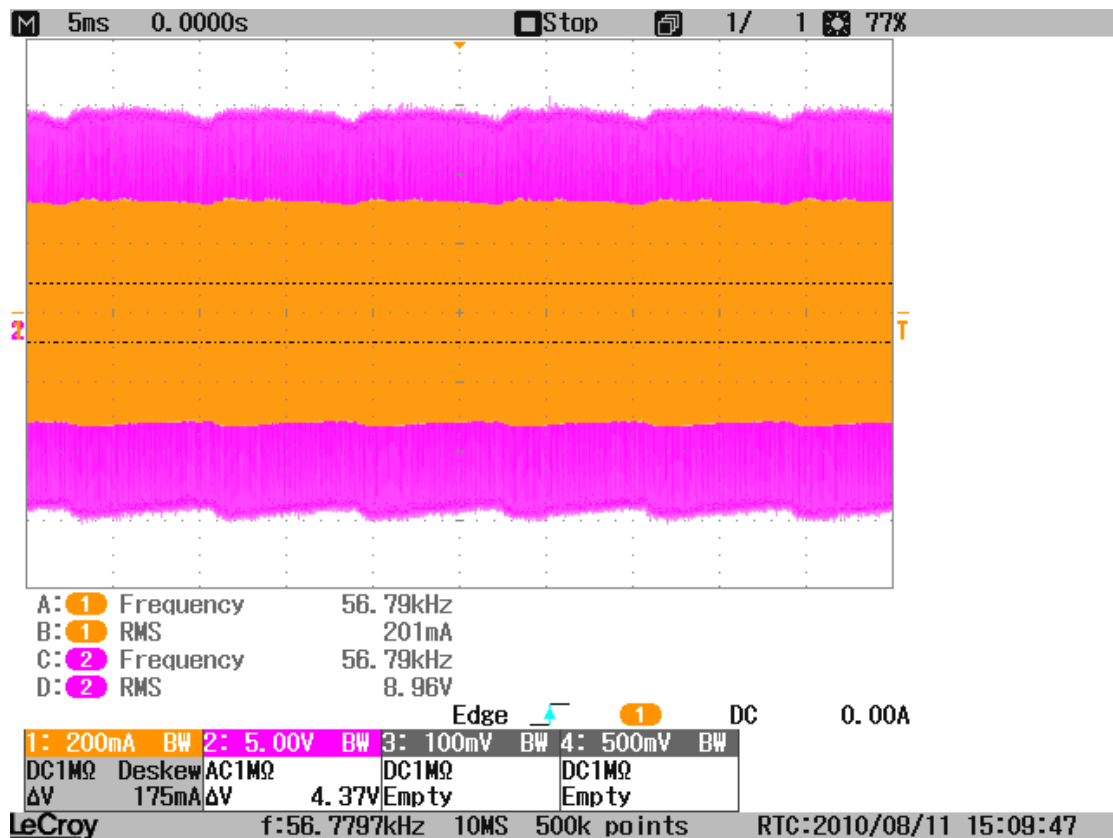


第四段: 正常工作管压:199 管流: 19mA,

工作频率:56.63kHz



## 第四段：导入阴极电流:201 毫安



# 第四段: 灯丝电流:213 毫安 灯丝电压:9.05Vrms

