

Eight Discipline Report (8D Report)

To:	8D report No.:
From: : Chicony Power Technology	RMA claim No.:
CC :	Chicony Power P/N: A200A016P
	Customer P/N:
Submit date: 4/19	Product description: 200W
Receive date: 4/19	Defect D/C or Lot No.:
Subject : 客戶端電氣測試時, 發現 OCP 時輸出電流會彈跳數次後才會關閉 (OCP)	

D1.) 問題解決成員: Use Team Approach

主持者 (Team Leader) :

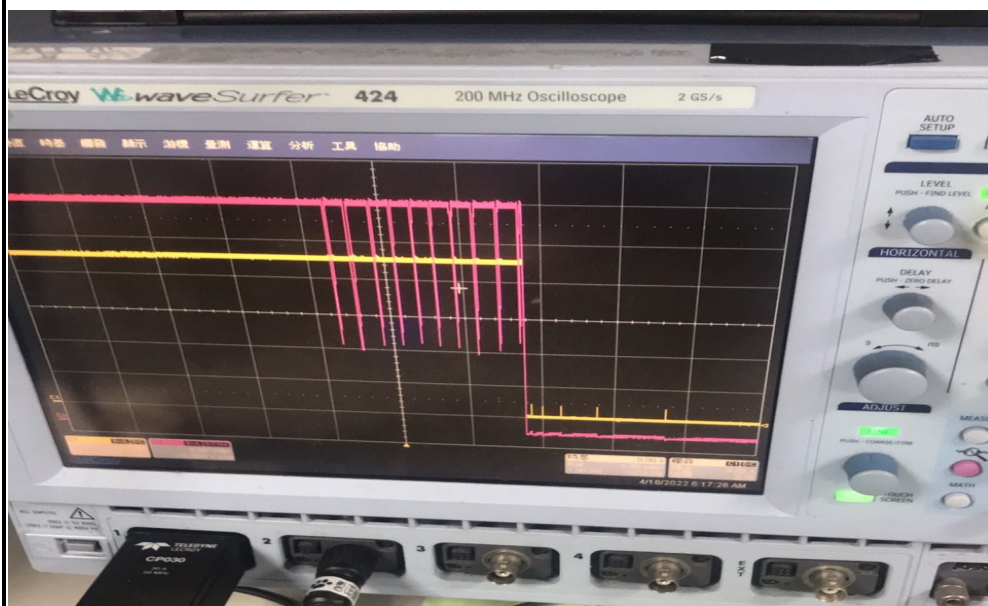
內部成員 (Internal Team Members):

外部成員 (External Team Member):

D2.) 問題說明: Problem Description:

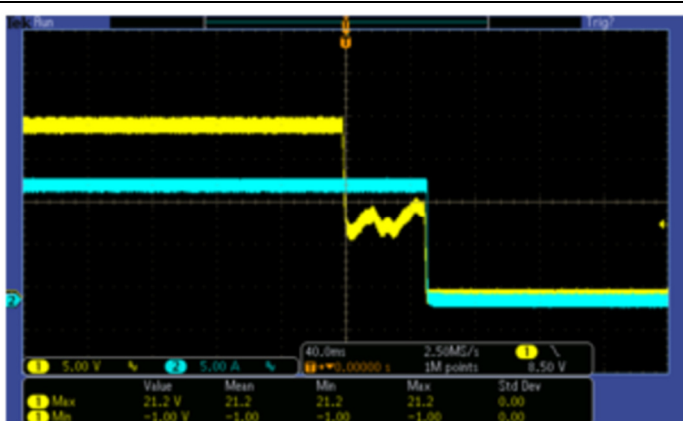
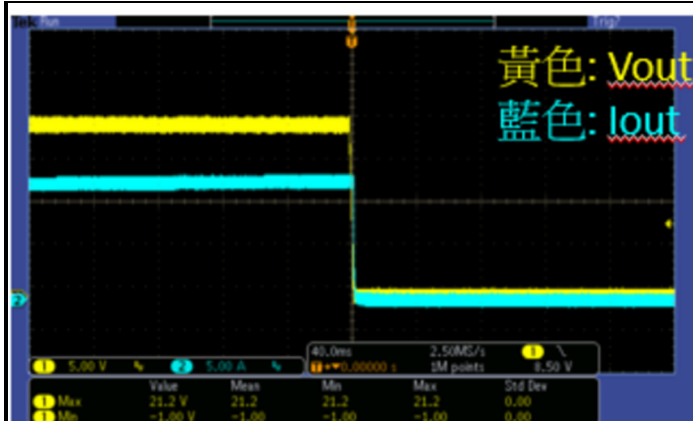
(Note: Use **who, what, when, where, why, how, how many** to specify the Customer's problem.)

客戶端電氣測試時, 發現 OCP 時輸出電流會彈跳數次後才會關閉



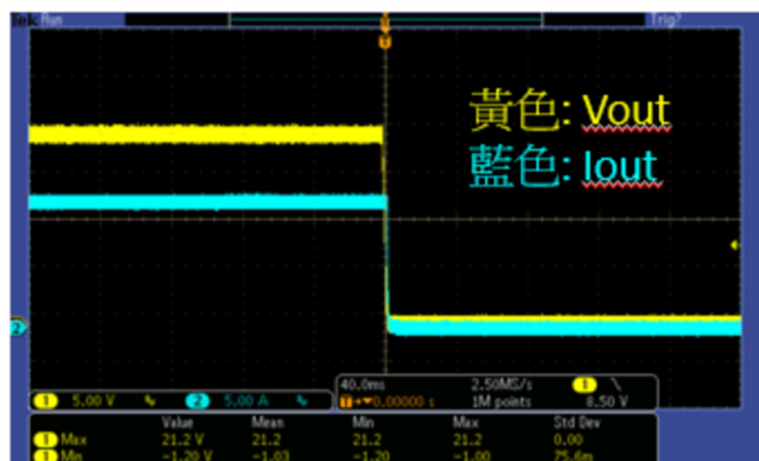
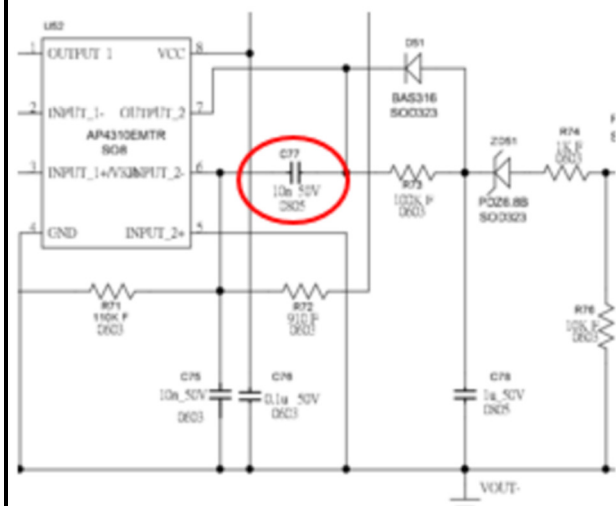
確認手邊的樣品

1. 輸出電流上升速度快時, OCP 保護正常(下圖左)
2. 輸出電流慢慢上升時, 可觀察到 OCP 時輸出電壓關閉不完全(下圖右)
3. 分析為 OCP delay time 較長, 導致輸出來不及拉掉

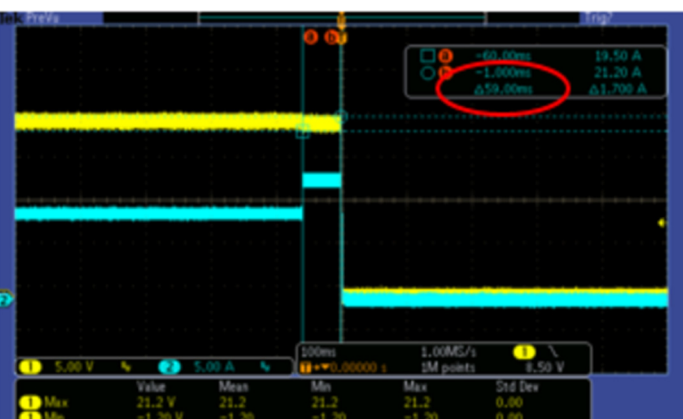
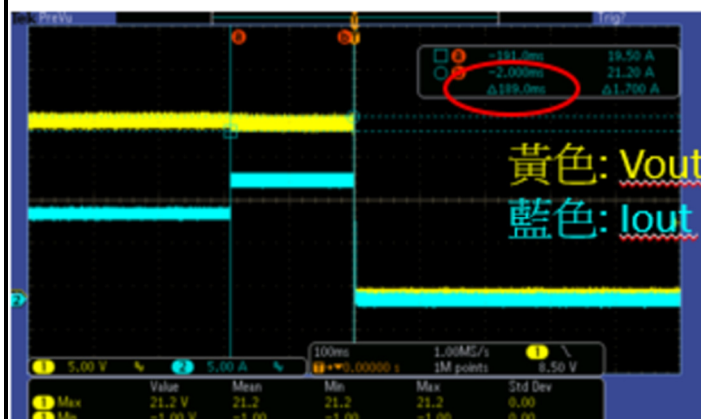


對策

1. 將 C77 改為 330pF，減少 delay time，驗證輸出電流緩慢上升，OCP 時輸出電壓可正常關閉



2. OCP delay time 由 189ms 降為 59ms，仍可滿足 peak load 不觸發誤動作的需求



D3.)內部或客戶的暫時解決辦法及實施日期:Implement and Verify Containment Action:

(Note: Internal / external containment action effectiveness and date.)

安排工廠端作對策驗證,驗證數量 10 台

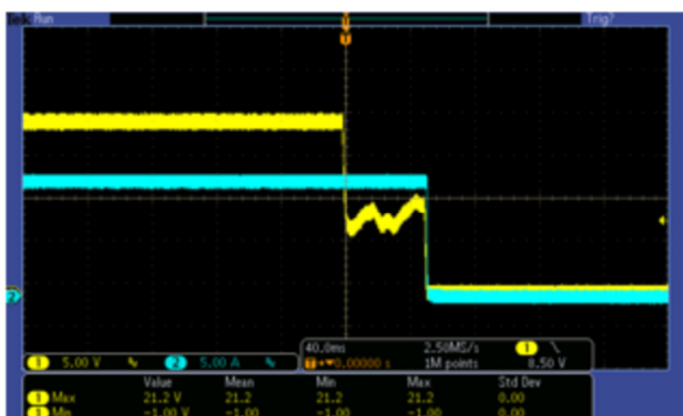
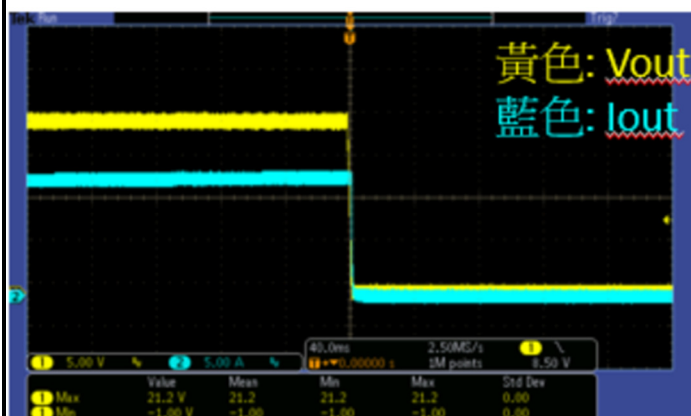
Date:2022/4/19

D4.)不良原因確認: Define and Verify Root Causes:

(Note: Identify and verify all suspect causes, which needs explain why the problem occurred.)

確認手邊的樣品

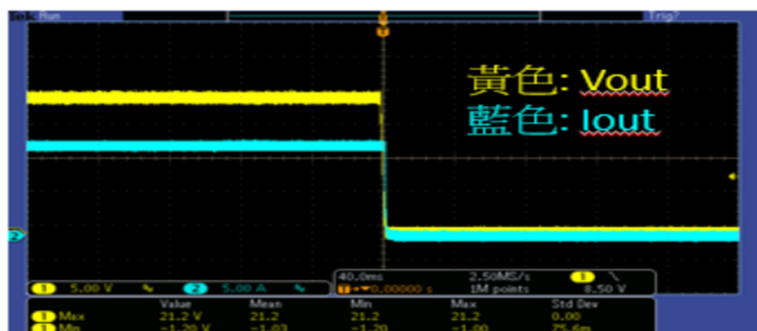
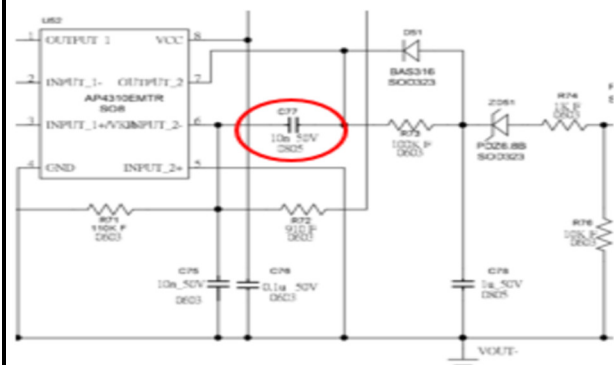
1. 輸出電流上升速度快時，OCF 保護正常(下圖左)
2. 輸出電流慢慢上升時，可觀察到 OCF 時輸出電壓關閉不完全(下圖右)
3. 分析為 OCF delay time 較長，導致輸出來不及拉掉



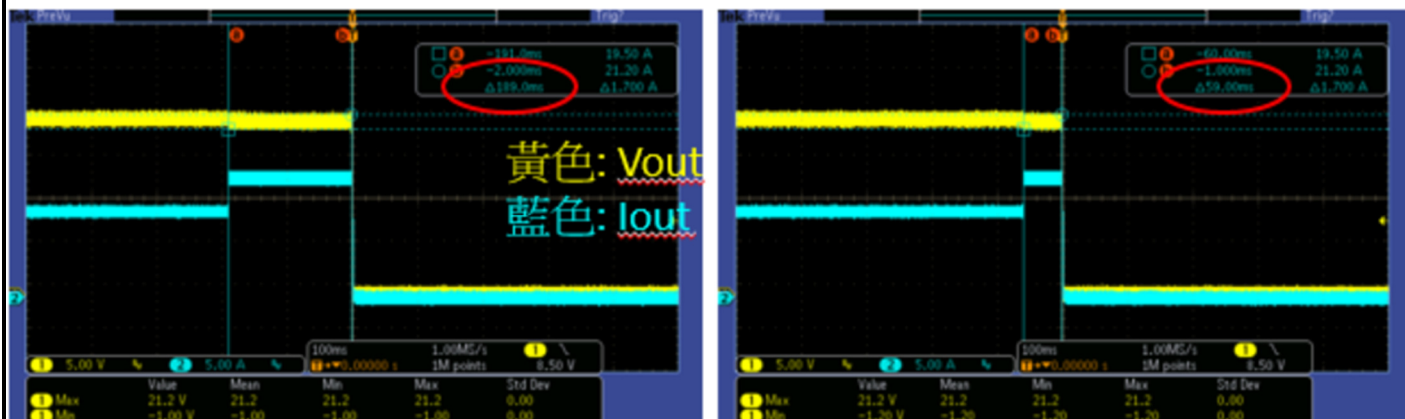
D5.)改善措施:Corrective Action Verification:

(Note: Be make sure the corrective actions is effective in process as well as able to fix the customer complaint problem)

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Date:2022/4/19

D6.)改善措施實施日期:Implement Permanent Corrective Actions:

(Note: Be provide the phase-in date or lot# of corrective actions **implementation** in process)

Immediately

D7.)預防再發生措施:Prevent Recurrence:

(Note: Modified the management, operating systems, practices, and procedures to prevent recurrence for the problems as well as lessons learned cases.)

Same as D5

D8.)確認並感謝問題解決成員:Check and Congratulate the Team:

(Note: Recognize the collective efforts of the team.)

Thanks to you all ! ! !

Signature	Arthur Wu
Team Leader:	
	Name – Title
Signature by Approver:	Mark Meng
	Name-Title