



Eight Discipline Report (8D Report)

To: 8D report No.:
 From: : Chicony power Technology RMA claim No.: N/A
 CC : N/A Chicony P/N: A090A098P
 Customer P/N:
 Submit date: 2017/09/22 Product description: 90W adapter
 Receive date: 2017/09/29 Defect D/C or Lot No.:
 Subject : EMI Fail

D1.) 問題解決成員: Use Team Approach

主持者 (Team Leader) : Brian Chen, Cf Liu

內部成員 (Internal Team Members):

CQS	Cecilia Sun
MFG	Alan Zhu
IPQC/QE	Nono Chen
PE	Qing_Ye
IE	Aimee_Li
RD	Brian_Chen

外部成員 (External Team Member):

N/A

D2.) 問題說明: Problem Description:

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

We got feedback from customer on Sep. 29th 2017 that there are 2pcs defect adapter.

The adapter which test radiation is fail on vertical condition.

HP P/N:

CPT P/N: A090A098P-HW01

Defect S/N: WGRGKX1HH8808V, WGRGKX1HH8803X

Defect D/C: 1707

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.)


1. Take two adapters to replace defect sample and co-test in customer Company on Sep. 29th 2017.
2. Bring the defect adapter back for TPE RD engineer's analysis.

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.)

1. DQA test report of radiation check : (with dummy load; in chiconypower lab Taipei)

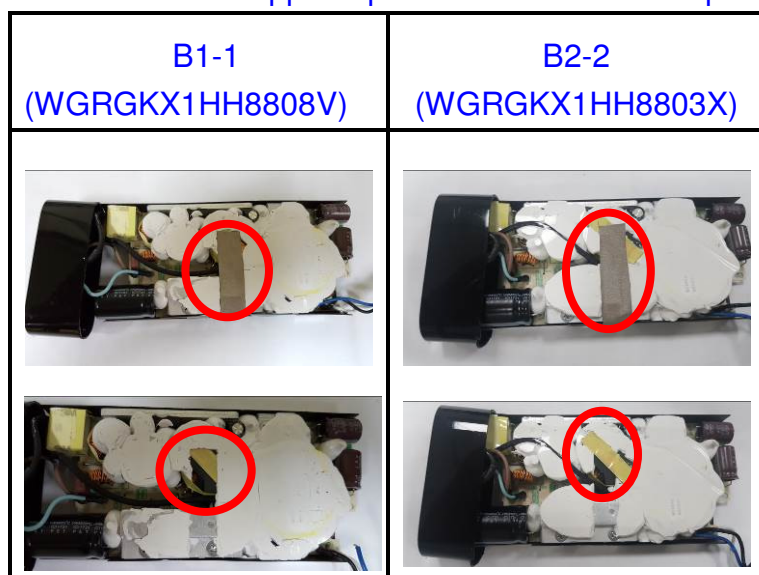
According to the DQA test report, the results can meet specification but margin is not enough.

Input voltage	Vertical			Data
	Value		Frequency	
	PK	QP		
110VAC	NA	-3.01 dB	116.4 MHz	 DQA_radiation.pdf
230VAC	-3.16 dB	NA	117.75 MHz	

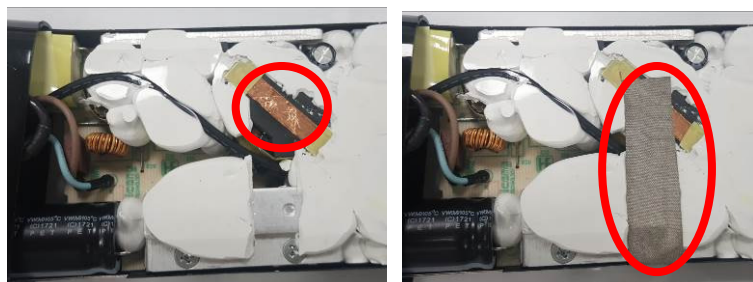
2. Analysis and Improve



2.1 There is one conductive tape which connects HS2 and T2 (PFC choke).

T2's vertical copper tape has cover insulate tape in the original design.



2.2 We remove the insulate tape above T2 top side, and then assemble conductive tape.



Before				
No.	Input voltage	Vertical		Data
		Value (Pk)	Frequency	
B1-1	110VAC	5.89 dB	121.53 MHz	 A090A098P_Quanta _before.pdf
	230VAC	5.41 dB	120.72 MHz	
B2-2	110VAC	1.43 dB	122.07 MHz	
	230VAC	0.99 dB	119.37 MHz	
After				
No.	Input voltage	Vertical		Data
		Value (Pk)	Frequency	
B1-1	110VAC	-4.68 dB	159.87 MHz	 A090A098P_Quanta _after.pdf
	230VAC	-7.37 dB	160.14 MHz	
B2-2	110VAC	-5.05 dB	127.2 MHz	
	230VAC	-8.2 dB	30.27 MHz	

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

Due date :2017.10.18



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.)

QIT members and IPQC will continue trace this issue day by day.

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 all QIT members.

Signature Team Leader:

Name – Title

Signature by Approver:

Name-Title