



商品電磁相容型式試驗報告

產品名稱 ：筆記型電腦
型 號 ：K72D, X72D, A72D, PRO7AD

申請者 ：華碩電腦股份有限公司
地址 ：台北市北投區立德路 150 號 4 樓

樣品日期 ：99 年 04 月 09 日
報告發行日期 ：99 年 04 月 23 日
報告編號 ：104223R-ITTWP01V04
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電磁相容量測報告證明書

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申請者	:	華碩電腦股份有限公司
地址	:	台北市北投區立德路 150 號 4 樓
製造廠商	:	1. 和碩聯合科技股份有限公司桃園廠 2. 昌碩科技(上海)有限公司 3. 富臨電子科技(常熟)有限公司 4. 富翔精密工業(昆山)有限公司
地址	:	1. 桃園縣龜山鄉山頂村興業街五號 2. 中國上海市浦東新區康橋鎮秀沿路 3768 號 3. 中國江蘇省常熟市東南經濟開發區黃埔江路金江園 B1、B3 棟 4. 中國江蘇省昆山市玉山鎮南淞路 299 號
待測物額定電壓	:	AC 100-240V, 50-60Hz
待測物測試電壓	:	AC 110 V / 60 Hz
商標或廠牌	:	ASUS
形式號	:	K72D, X72D, A72D, PRO7AD
該產品樣品試驗 依據之試驗標準	:	CNS 13438: 95 乙類
試驗結果	:	符合
測試實驗室	:	快特電波股份有限公司 (林口實驗室) 台北縣 244 林口鄉瑞平村瑞樹坑 5-22 號 TEL:+866-2-8601-3788 / FAX:+886-2-8601-3789

報告製作者

:

陳惠君

(行政專員 / 陳惠君)

測試工程師

:

何宗庭

(助理工程師 / 何宗庭)

實驗室簽署人

:

林介書

(經理 / 林介書)

實驗室基本資料

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<http://tw.quietek.com/tw/emc/accreditations/accreditations.htm>

實驗室之詳細地址、位置與聯絡方式，可由快特電波股份有限公司的網站查詢，網址：

<http://www.quietek.com/>

新竹實驗室 新竹縣芎林鄉永興村王爺坑 3 鄰 75-1 號
TEL : 886-3-592-8858 / FAX : 886-3-592-8859
E-Mail : service@quietek.com

中華民國實驗室認證體系 認證

認證編號 1313

特定服務計劃 商品檢驗指定試驗適認證服務計劃

BSMI 認可代號 SL2-IS/IN/R1/R2/A1/L1-E-0020

認證有效期限 民國九十九年十二月二十七日

林口實驗室 台北縣林口鄉瑞平村瑞樹坑 5-22 號
TEL : 886-2-8601-3788 / FAX : 886-2-8601-3789
E-Mail : service@quietek.com

中華民國實驗室認證體系 認證

認證編號 0914

特定服務計劃 商品檢驗指定試驗適認證服務計劃

林口實驗室 蘇州工業園區婁葑高新技術開發區宏業路 99 號

延伸測試場地
TEL:+86-512-6251-5088 / FAX:+86-512-6251-5098

BSMI 認可代號 SL2-IS/IN/R1/R2/A1/L1-E-0043

認證有效期限 民國一十年十二月十二日

蘇州實驗室 蘇州工業園區婁葑高新技術開發區宏業路 99 號
TEL:+86-512-6251-5088 / FAX:+86-512-6251-5098
E-Mail : service@quietek.com

中華民國實驗室認證體系 認證

認證編號 1596

特定服務計劃 商品檢驗指定試驗適認證服務計劃

BSMI 認可代號 SL2-IS/IN/R1/R2/A1/L1-E-0043

認證有效期限 民國一百零一年七月二十五日



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1. 基本資料

1.1. 待測裝置描述

產品名稱	筆記型電腦
商標或廠牌	ASUS
形式號	K72D, X72D, A72D, PRO7AD

詳細如下	
Power Adapter (1)	MFR : LITEON, M/N : PA-1900-36 Input : 100-240V, 50-60Hz, 1.5A Output : 19VDC, 4.74A Cable : Non-shielded, 1.8M, with one ferrite core bonded.
Power Adapter (2)	MFR : Enertronix, M/N : EXA0904YH Input : 100-240V, 50-60Hz, 1.5A Output : 19VDC, 4.74A Cable : Non-shielded, 1.8M, with one ferrite core bonded.
Power Adapter (3)	MFR : DELTA, M/N : ADP-90CD DB Input : 100-240V, 50-60Hz, 1.5A Output : 19VDC, 4.74A Cable : Non-shielded, 1.8M, with one ferrite core bonded.

Keyparts List		
DEVICE	MODEL	SPEC
Motherboard	ASUS, K72DR	--
CPU (Socket: uOL638)	AMD N530 2.5GHZ/2M (2 cores)	CPU HMN530DCR23GM 35W (2 cores)
	AMD N330 2.3GHZ/1M (2 cores)	CPU HMN330DCR22GM 35W (2 cores)
	AMD N620 2.8GHZ/2M (2 cores)	CPU HMN620DCR23GM 35W (2 cores)
	AMD N830 2.1GHZ/1.5M (3 cores)	CPU HMN830DCR32GM 35W (3 cores)
	AMD N930 2.0GHZ/2M (4 cores)	CPU HMN930DCR42GM 35W (4 cores)
	AMD P520 2.3GHZ/2M (2 cores)	CPU TMP520SGR23GM 25W (2 cores)
	AMD P320 2.1GHZ/1M (2 cores)	CPU AMP320SGR22GM 25W (2 cores)
	AMD P820 1.8GHZ/1.5M (3 cores)	CPU HMP820SGR32GM 25W (3 cores)
	AMD P920 1.6GHZ/2M (4cores)	CPU HMP920SGR42GM 25W (4cores)
	AMD V120 2.2GHZ/2M DVT (1cores)	CPU VMV120SGR12GM 25W (1cores)
LCD	LGD/LP173WD1-TLC1	LCD TFT 17.3' HD+ GLARE (LED)無 Inverter 裝置
	CMO/N173O6-L02	LCD TFT 17.3' HD+ GLARE (LED)無 Inverter 裝置
Camera	AZUREWAVE/AM-VS011	CMOS CAMERA MODULE 0.3M FIX
	CHICONY/CNF9085	CMOS CAMERA MODULE 0.3M FIX
HDD (9.5mm)	SEAGATE/ST9500420AS	SATA HOLIDAY 500G 7200R 2.5'
	SEAGATE/ST9320423AS	SATA HOLIDAY 320G 7200R 2.5'
	SEAGATE/ST9640320AS	SATA CAMERON 640G 5400R 2.5'
	SEAGATE/ST9500325AS	SATA WYATT HDD 500G 5400R 2.5'
	SEAGATE/ST9320325AS	SATA WYATT HDD 320G 5400R 2.5'
	SEAGATE/ST9250315AS	SATA WYATT HDD 250G 5400R 2.5'
	WD/6400BEVT	SATA SCORPIO ML320 640G 5400R
	WD/5000BEVT	SATA SCORPIO ML320 500G 5400R
	WD3200BEVT	SATA SCORPIO ML320S 320G 5400R
	WD/WD2500BEVT	SATA SCORPIO ML320S 250G 5400R
	SAMSUNG/HM501II	SATA M7E 500G 5400R 2.5'
	SAMSUNG/HM321HI	SATA M7E 320G 5400R 2.5'
	SAMSUNG/HM251HI	SATA M7E 250G 5400R 2.5'
	SAMSUNG/HM641JI	SATA M7E 640G 5400R 2.5'
	TOSHIBA/MK6465GSX	SATA 640G 5400RPM 2.5'
	HGST/HTS725050A9A364	SATA 500G
	HGST/HTS725032A9A364	SATA 320G
	HGST/HTS545050B9A300	SATA 500G

ODD (12.7mm)	PANASONIC/UJ890A	DVD S-MULTI DL 8X/6X/5X/6X/6X
	PLDS/DS-8A4S	SATA DVD SM DL 8X/6X/5X/6X/6X
	OPTIARC/AD-7580S	DVD S-MULTI DL 8X/6X/5X/6X/6X
	PANASONIC/UJ130A	K72JR-1A BLUE RAY READ 4X
	HLDS/CT21N	BLU-RAY BD 0X/6X/0X/5X/4X/4X
	PANASONIC/UJ141A	BD COMBO 0X/6X0X/0X/5X/4X/4X
	TSST/TS-L633C	SATA DVD SM DL 8X/6X/5X/6X/6X
Battery	ASUS, A32-K72	(10.8V, 4400mAh)
KB	R2.0/DARFON	KEYBOARD 348mm ISOLATION
	R1.0/CHICONY	KEYBOARD 348mm ISOLATION
	R1.0/ SUNREX	KEYBOARD 348mm ISOLATION
TouchPad	ELAN/C8048D-7300	TOUCHPAD FOR K SERIES
WLAN	INTEL/ 112BNHMW	WLAN WIFI LINK 1000 HMC
	Atheros/ AR5B95 (AW-NE785H)	802.11B/G/N 1*1 WLAN HMC
WLAN+BT	Atheros/ AR5B195 (AW-NB037H)	802.11B/G/N WLAN+BT3.0+HS
Bluetooth	Broadcom/ BCM92070MD_REF (AW-BT270)	BLUETOOTH 2.1 BCM2070 MODULE / BT-270
Adapter	DELTA/ ADP-90CD DB	3pin, 90w
	LITEON/ PA-1900-36	3pin, 90w
	ENERTRONIX/ EXA0904YH	3pin, 90w
DDR 規格: 型式 DDR3, 速度: 1333, 容量: 1G, 2G, 4G		

1.2. 型號差異說明

此待測物包含四組型號，型號差異為市場需求不同。

1.3. 待測裝置驗證說明

待測裝置規格說明:

待測裝置帶有多個輸出/入介面,其介面規格如下說明:

	介面名稱		數量	介面內容說明
(1)	輸出	D-SUB Port	1	接至 Monitor
(2)	輸出	HDMI Port	1	接至 Monitor
(3)	輸出/入	Audio Port	2	接至 Microphone & Earphone
(4)	輸出	USB Port	1	接至 Printer
(5)	輸入	USB Port	1	接至 USB Mouse
(6)	輸出/入	USB Port	2	接至 iPod nano
(7)	輸出/入	LAN Port	1	接至 Notebook PC
(8)	輸出/入	Card Reader Port	1	接至 SD Card

1.4. 待測裝置之試驗條件

待測裝置依功能特性,驗證其各種功能組合並執行下列電磁干擾驗證測試。

(1) 依功能特性, 經與原案最差模式組合測試, 選擇下列試驗模式為較差初測之模式, 如下所示		
Mode 1 Mode 2 Mode 3 Mode 4	Mode 5 Mode 6 Mode 7 Mode 8	Mode 9 Mode 10
(2) 依上列初測模式選擇下列最差模式為最終測試並記錄於後		
Emission	Mode 1 Mode 2 Mode 3	

※ 最終模式是以輻射干擾量測做為評估之依據

	Mode 1 LCD+D-SUB (1600*900/60Hz)	Mode 2 LCD+HDMI (1600*900/60Hz)
Motherboard	ASUS, K72DR	ASUS, K72DR
CPU	AMD N930 2.0GHZ/2M DVT (4 cores)	AMD P920 1.6GHZ/2M DVT (4cores)
LCD	LGD/LP173WD1-TLC1	CMO/N173O6-L02
Camera	AZUREWAVE/AM-VS011	AZUREWAVE/AM-VS011
Memory	KINGSTON/ASU1333D3S9DR8G	KINGSTON/ASU1333D3S9DR8G/4G
HDD	SEAGATE/ST9500420AS 500G	SEAGATE/ST9320423AS 320G
	HGST/HTS725050A9A364 500G	HGST/HTS725032A9A364 320G
ODD	HLDS/CT21N	TSST/TS-L633C
WLAN	INTEL/ 112BNHWMW	Atheros/ AR5B95 (AW-NE785H)
Bluetooth	Broadcom/ BCM92070MD_REF (AW-BT270)	Broadcom/ BCM92070MD_REF (AW-BT270)
Adapter	DELTA/ ADP-90CD DB	ENERTRONIX/ EXA0904YH

	Mode 3 LCD+D-SUB (1600*900/60Hz)	Mode 4 LCD+HDMI (1600*900/60Hz)
Motherboard	ASUS, K72DR	ASUS, K72DR
CPU	AMD N620 2.8GHZ/2M DVT	AMD N530 2.5GHZ/2M (2 cores)
LCD	CMO/N173O6-L02 (2C)	LGD/LP173WD1-TLC1
Camera	CHICONY/CNF9085	AZUREWAVE/AM-VS011
Memory	HYNIX/HMT125S6TFR8C-H9	KINGSTON/ASU1333D3S9DR8G
HDD	SEAGATE/ST9500325AS 500G	SEAGATE/ST9640320AS
	HGST/HTS545050B9A300 500G	SEAGATE/ST9320325AS
ODD	PANASONIC/UJ890A	PLDS/DS-8A4S
WLAN	Atheros/ AR5B195 (AW-NB037H)	NTEL/ 112BNHWMW
Bluetooth		Broadcom/ BCM92070MD_REF (AW-BT270)
Adapter	LITEON/ PA-1900-36	DELTA/ ADP-90CD DB

	Mode 5 LCD+D-SUB (1600*900/60Hz)	Mode 6 LCD+HDMI (1600*900/60Hz)
Motherboard	ASUS, K72DR	ASUS, K72DR
CPU	AMD N330 2.3GHZ/1M (2 cores)	AMD N830 2.1GHZ/1.5M (3 cores)
LCD	CMO/N173O6-L02	CMO/N173O6-L02 (2C)
Camera	AZUREWAVE/AM-VS011	CHICONY/CNF9085
Memory	KINGSTON/ASU1333D3S9DR8G/4G	HYNIX/HMT125S6TFR8C-H9
HDD	SAMSUNG/HM501II	SEAGATE/ST9250315AS
	WD/6400BEVT	SAMSUNG/HM321HI
ODD	OPTIARC/AD-7580S	PANASONIC/UJ130A
WLAN	Atheros/ AR5B95 (AW-NE785H)	Atheros/ AR5B195 (AW-NB037H)
Bluetooth	Broadcom/ BCM92070MD_REF (AW-BT270)	
Adapter	ENERTRONIX/ EXA0904YH	LITEON/ PA-1900-36

	Mode 7 LCD+D-SUB (1600*900/60Hz)	Mode 8 LCD+HDMI (1600*900/60Hz)
Motherboard	ASUS, K72DR	ASUS, K72DR
CPU	AMD P520 2.3GHZ/2M (2 cores)	AMD P320 2.1GHZ/1M (2 cores)
LCD	LGD/LP173WD1-TLC1	CMO/N173O6-L02
Camera	AZUREWAVE/AM-VS011	AZUREWAVE/AM-VS011
Memory	KINGSTON/ASU1333D3S9DR8G	KINGSTON/ASU1333D3S9DR8G/4G
HDD	WD/5000BEVT	WD3200BEVT
	SAMSUNG/HM251HI	SAMSUNG/HM641JI
ODD	PANASONIC/UJ141A	TSST/TS-L633C
WLAN	NTEL/ 112BNHWMW	Atheros/ AR5B95 (AW-NE785H)
Bluetooth	Broadcom/ BCM92070MD_REF (AW-BT270)	Broadcom/ BCM92070MD_REF (AW-BT270)
Adapter	DELTA/ ADP-90CD DB	ENERTRONIX/ EXA0904YH

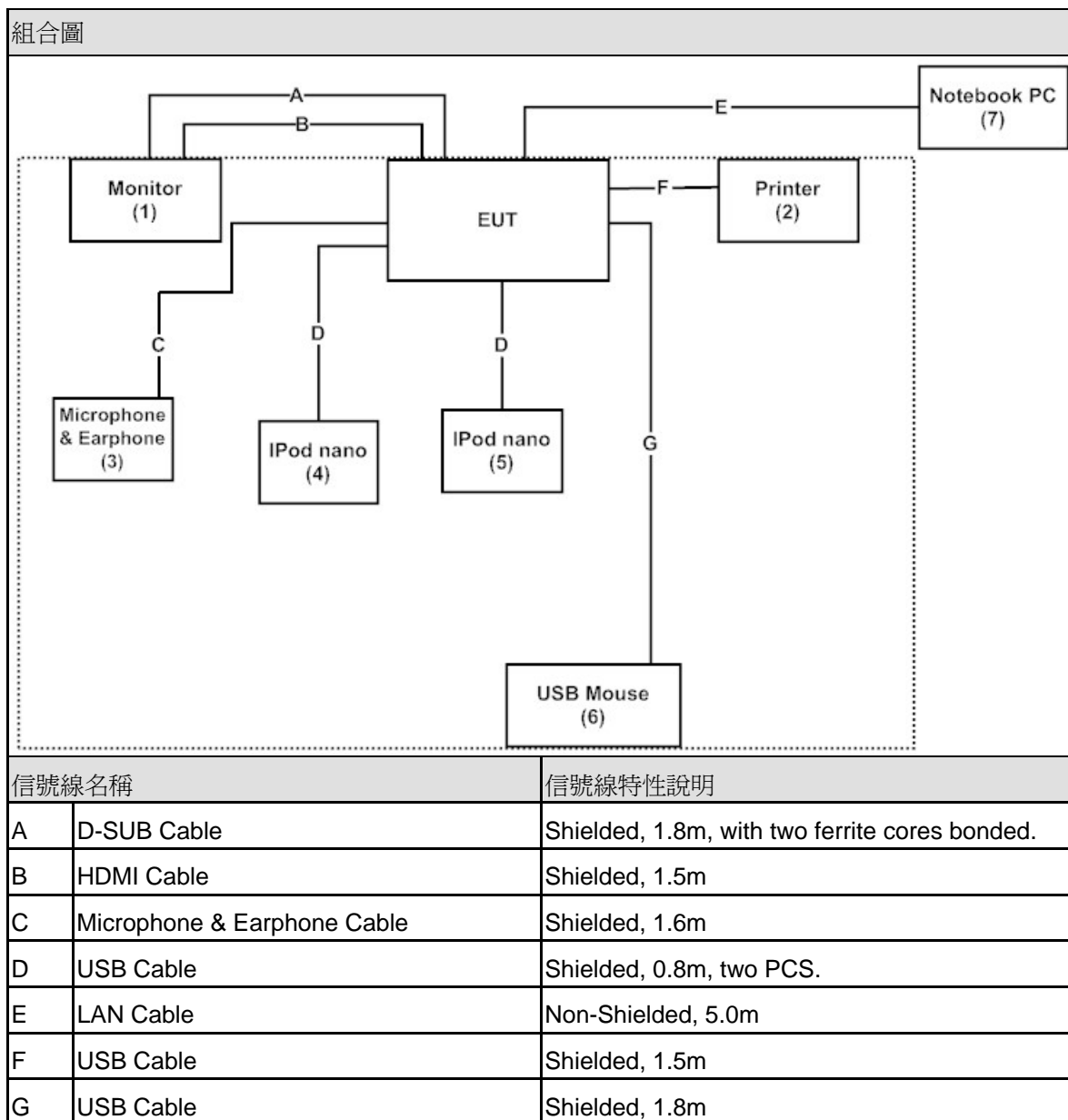
	Mode 9 LCD+D-SUB (1600*900/60Hz)	Mode 10 LCD+HDMI (1600*900/60Hz)
Motherboard	ASUS, K72DR	ASUS, K72DR
CPU	AMD P820 1.8GHZ/1.5M (3 cores)	AMD V120 2.2GHZ/2M DVT (1cores)
LCD	CMO/N173O6-L02 (2C)	LGD/LP173WD1-TLC1
Camera	CHICONY/CNF9085	AZUREWAVE/AM-VS011
Memory	HYNIX/HMT125S6TFR8C-H9	KINGSTON/ASU1333D3S9DR8G
HDD	WD/WD2500BEVT	SEAGATE/ST9500420AS 500G
	TOSHIBA/MK6465GSX	HGST/HTS725050A9A364 500G
ODD	PANASONIC/UJ890A	HLDS/CT21N
WLAN	Atheros/ AR5B195 (AW-NB037H)	NTEL/ 112BNHWMW
Bluetooth		Broadcom/ BCM92070MD_REF (AW-BT270)
Adapter	LITEON/ PA-1900-36	DELTA/ ADP-90CD DB

1.5. 系統測試時之週邊裝置

待測裝置測試時，其搭配系統測試時之週邊裝置包括如下：

週邊裝置名稱		製造商	產品型號	序號	檢磁	電源線
1	Monitor	DELL	U2410	CN-0J257M-728-01I-04ML	R43002	Non-Shielded, 1.8m
2	Printer	EPSON	StyLus C63	FAPY094331	R33126	Non-Shielded, 1.9m
3	Microphone & Earphone	Lobos	LB-EW020	N/A	N/A	N/A
4	iPod nano	Apple	A1236	7K818WQRY0P	R33057	N/A
5	iPod nano	Apple	A1236	7K818WX3Y0P	R33057	N/A
6	USB Mouse	DELL	M056U0A	F0Y01YEK	R41108	N/A
7	Notebook PC	DELL	D630	00144-023-351-375	R33002	Non-Shielded, 0.8m

1.6. 系統測試時之組合圖



1.7. 測試結果待測裝置測試時之典型操作程序

1	將 EUT 及所有週邊放置測試桌上，並依據接線圖接線
2	打開 EUT 及週邊所有電源，進入 Windows 系統之後，調整其至所需模式
3	待 EUT 進入 Windows 作業系統後，先調整顯示解析度至測試模式
4	執行測試程式，使 EUT 與 HDD 及網路功能與 Notebook PC 作資料互傳動作(寫入/刪除)
5	啟動無線網卡(Wireless & Bluetooth)功能，與另一台 Notebook 作無線對傳動作(寫入/刪除)
6	執行 Windows Media Player 程式，播放 Color Bar 光碟
7	執行 EMC 程式，Run “H” 字型
8	開始測試

2. 量測條件

2.1. 量測結論

測試項目	引用標準	是否測試	結論
電源端點傳導干擾	CNS 13438: 95	是	符合
輻射干擾	CNS 13438: 95 (1GHz 以上測試暫不實施)	是	符合
電信埠之傳導干擾	CNS 13438: 95 (暫不實施)	否	不適用

2.2. 測試設備

電源端點傳導干擾 / SR1

儀器名稱	製造廠商	型號	序號	上次校正日期
EMI Test Receiver	R&S	ESCS 30	100366	2009/10/29
LISN	R&S	ENV4200	833209/007	2009/08/14
LISN	R&S	ENV216	100085	2010/02/17
Pulse Limiter	R&S	ESH3-Z2	357.88.10.52	2009/09/10
Coaxial Cable	Huber+Suhner	RG 400	LC001-RG400	2009/11/12

輻射干擾 / Site3

儀器名稱	製造廠商	型號	序號	上次校正日期
Bilog Antenna	Schaffner Chase	CBL6112B	2704	2009/08/01
EMI Test Receiver	R&S	ESCS 30	100149	2010/01/14
Coaxial Cable	Huber+Suhner	RG 214	LC003-RG	2009/11/12
同軸信號切換器	Arnist	MP59B	6200436228	2009/11/12

2.3. 量測不確定性

電源端點傳導干擾
此項測試之量測不確定度等於 ± 2.26 dB.
輻射干擾
此項測試之量測不確定度等於 ± 3.19 dB.

2.4. 試驗環境

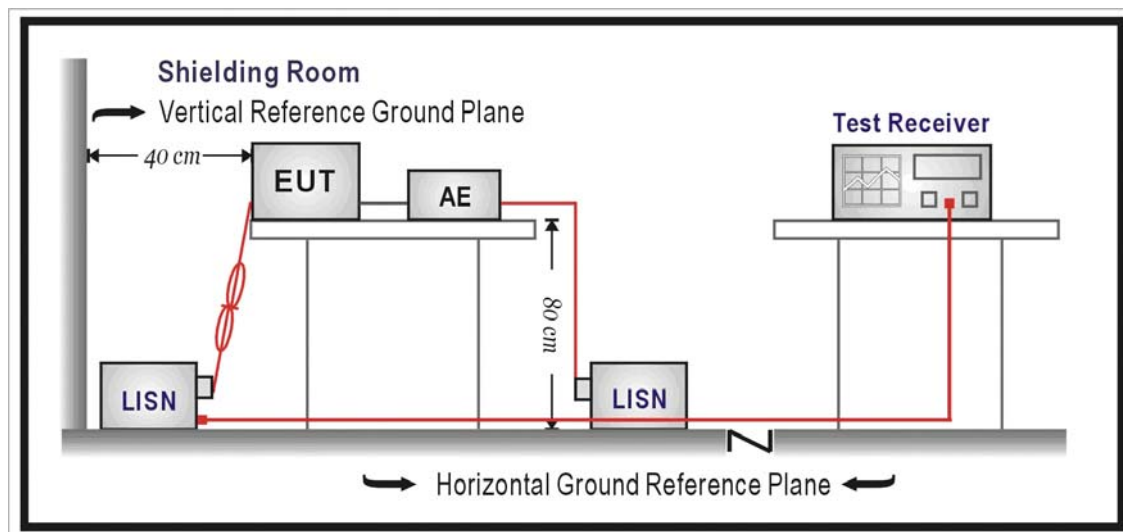
測試項目	項目	需求值	實際值
電源端點傳導干擾	溫度 Temperature (°C)	15-35	25
	濕度 Humidity (%RH)	25-75	50
	大氣壓力 Barometric pressure (mbar)	860-1060	950-1000
輻射干擾	溫度 Temperature (°C)	15-35	25
	濕度 Humidity (%RH)	25-75	50
	大氣壓力 Barometric pressure (mbar)	860-1060	950-1000

3. 電源端點干擾測試

3.1. 引用標準

量測時引用標準依據：CNS13438

3.2. 電源端點干擾測試架構圖



3.3. 電源端點干擾限制值

電源端點干擾限制值		
頻率範圍 (MHz)	準峰值 (dBuV)	平均值 (dBuV)
0.15 - 0.50	66 – 56	56 - 46
0.50-5.0	56	46
5.0 - 30	60	50

備註：上表中，在頻帶交接處以較低之限制值為準。

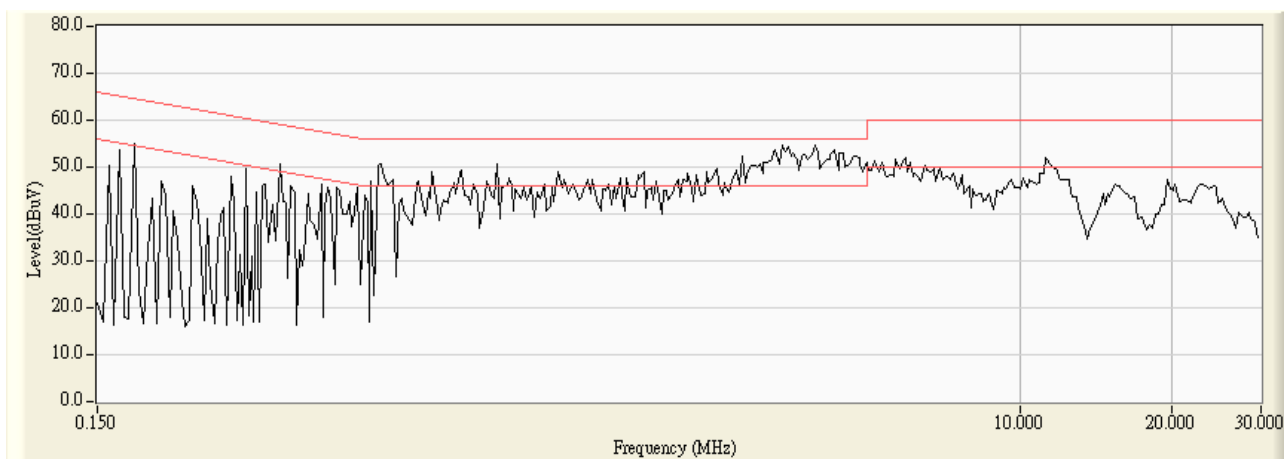
3.4. 電源端點干擾量測程序

待測物置於高 80 公分之非導體桌面（落地型產品置於地上），將待測物之電源線接至電源阻抗網路器（LISN），同時保持待測物至 LISN 距 80 公分，並將電源線多餘部份以 30 至 40 公分之八字形捆綁於電源線中央，於在正常工作狀態下，執行待測物之火線與參考大地之間，以及中性線與參考大地之間各一次量測。

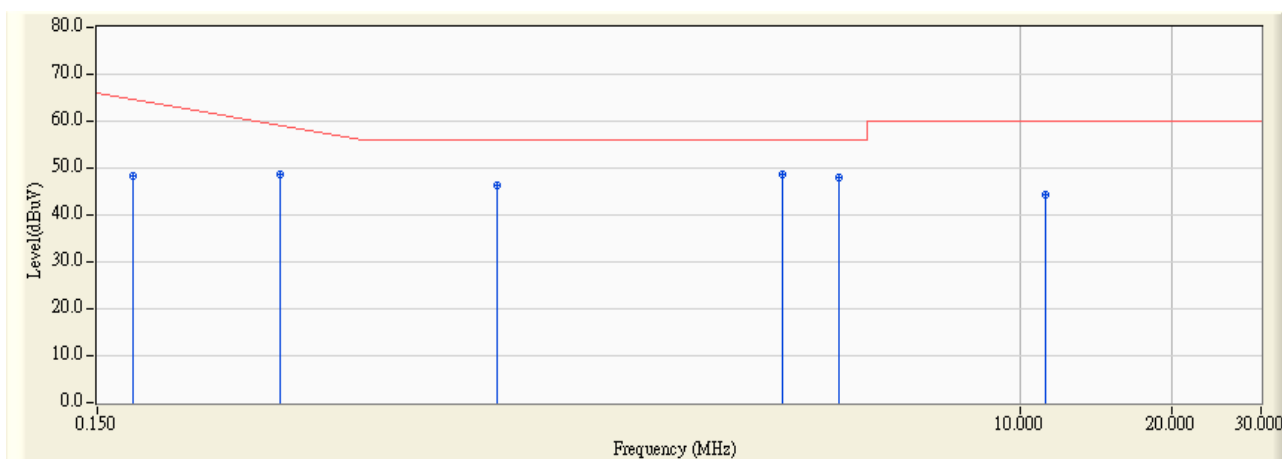
電源端點場強之測量範圍由 0.15MHz – 30MHz，所量測之讀值皆為準尖峰值（Quasi-Peak Value）及平均值（Average Value）。場強接收機之解析頻寬為 9kHz。

3.5. 測試結果

Site : SR1	Time : 2010/04/14 - 00:48
Limit : CISPR_B_00M_QP	Margin : 10
EUT : Notebook PC	Probe : ENV_216_L1 - Line1
Power : AC 110V/60Hz	Note : Mode 1



Site : SR1	Time : 2010/04/14 - 00:49
Limit : CISPR_B_00M_QP	Margin : 0
EUT : Notebook PC	Probe : ENV_216_L1 - Line1
Power : AC 110V/60Hz	Note : Mode 1

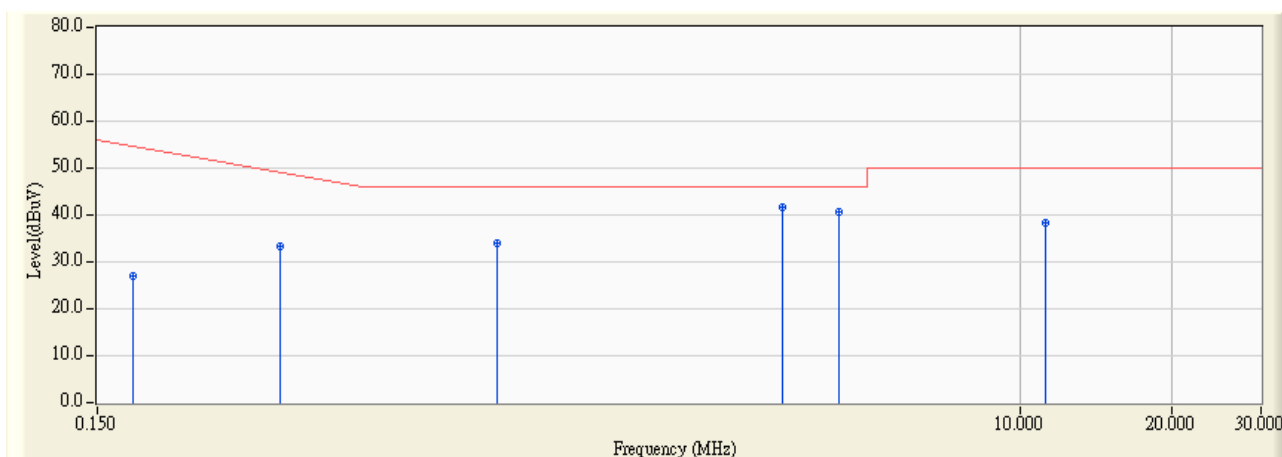


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.177	9.790	38.540	48.330	-16.899	65.229	QUASIPeAK
2		0.345	9.790	38.770	48.560	-11.869	60.429	QUASIPeAK
3		0.927	9.800	36.370	46.170	-9.830	56.000	QUASIPeAK
4	*	3.396	9.820	38.820	48.640	-7.360	56.000	QUASIPeAK
5		4.400	9.820	38.260	48.080	-7.920	56.000	QUASIPeAK
6		11.259	9.900	34.560	44.460	-15.540	60.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2010/04/14 - 00:49
Limit : CISPR_B_00M_AV	Margin : 0
EUT : Notebook PC	Probe : ENV_216_L1 - Line1
Power : AC 110V/60Hz	Note : Mode 1

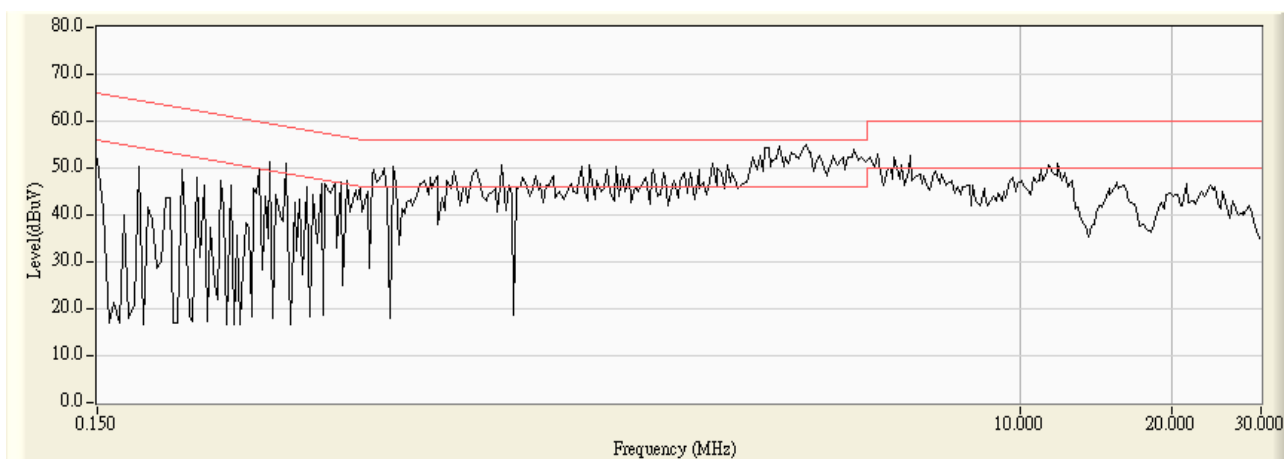


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.177	9.790	17.080	26.870	-28.359	55.229	AVERAGE
2		0.345	9.790	23.400	33.190	-17.239	50.429	AVERAGE
3		0.927	9.800	24.210	34.010	-11.990	46.000	AVERAGE
4	*	3.396	9.820	31.710	41.530	-4.470	46.000	AVERAGE
5		4.400	9.820	30.860	40.680	-5.320	46.000	AVERAGE
6		11.259	9.900	28.540	38.440	-11.560	50.000	AVERAGE

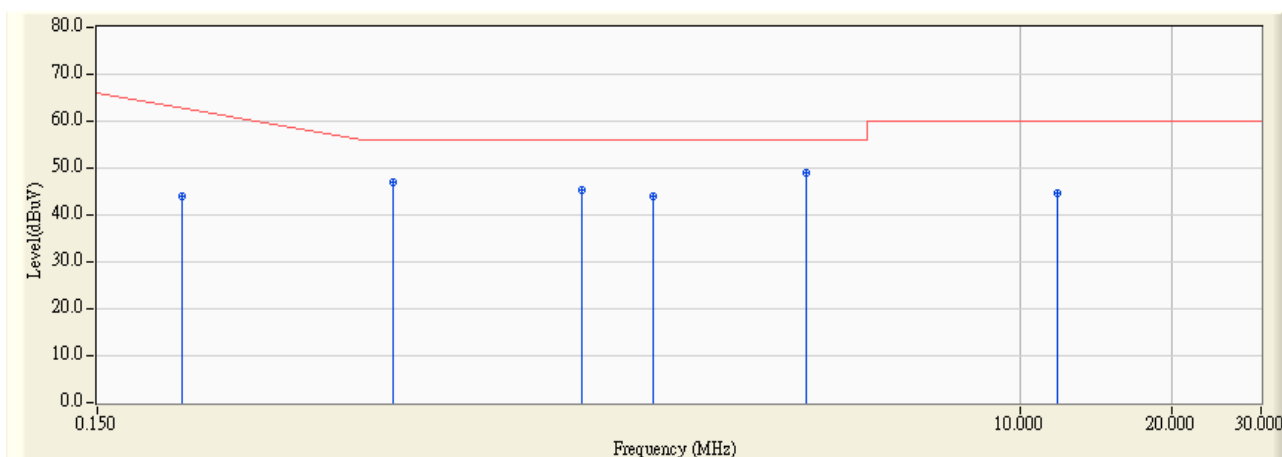
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2010/04/14 - 00:49
Limit : CISPR_B_00M_QP	Margin : 10
EUT : Notebook PC	Probe : ENV_216_N - Line2
Power : AC 110V/60Hz	Note : Mode 1



Site : SR1	Time : 2010/04/14 - 00:50
Limit : CISPR_B_00M_QP	Margin : 0
EUT : Notebook PC	Probe : ENV_216_N - Line2
Power : AC 110V/60Hz	Note : Mode 1

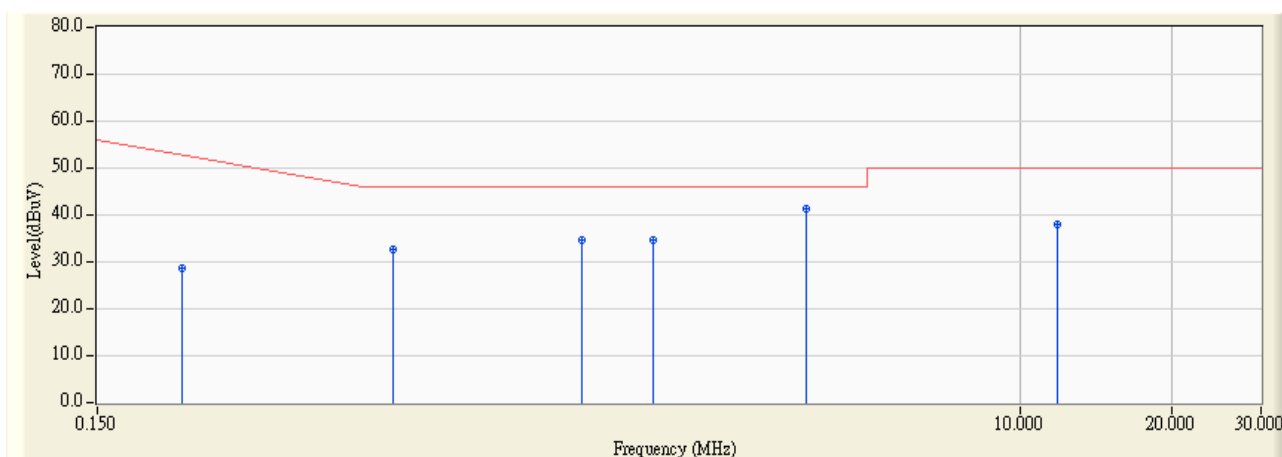


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.220	9.780	34.360	44.140	-19.860	64.000	QUASIPeAK
2		0.576	9.790	37.080	46.870	-9.130	56.000	QUASIPeAK
3		1.365	9.790	35.650	45.440	-10.560	56.000	QUASIPeAK
4		1.884	9.800	34.210	44.010	-11.990	56.000	QUASIPeAK
5	*	3.795	9.820	39.310	49.130	-6.870	56.000	QUASIPeAK
6		11.877	9.996	34.590	44.586	-15.414	60.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2010/04/14 - 00:50
Limit : CISPR_B_00M_AV	Margin : 0
EUT : Notebook PC	Probe : ENV_216_N - Line2
Power : AC 110V/60Hz	Note : Mode 1

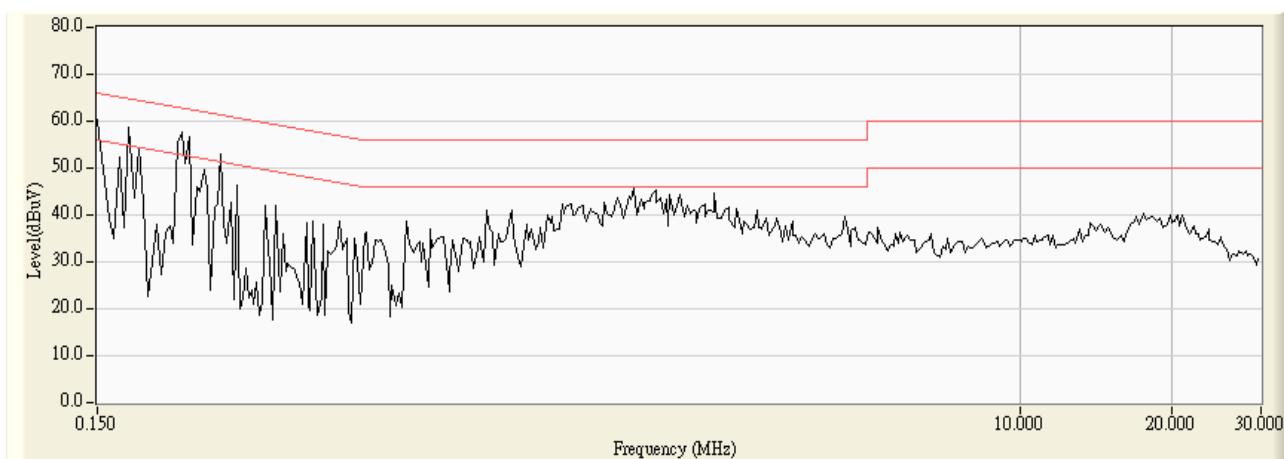


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.220	9.780	18.880	28.660	-25.340	54.000	AVERAGE
2		0.576	9.790	22.780	32.570	-13.430	46.000	AVERAGE
3		1.365	9.790	24.930	34.720	-11.280	46.000	AVERAGE
4		1.884	9.800	24.920	34.720	-11.280	46.000	AVERAGE
5	*	3.795	9.820	31.590	41.410	-4.590	46.000	AVERAGE
6		11.877	9.996	27.870	37.866	-12.134	50.000	AVERAGE

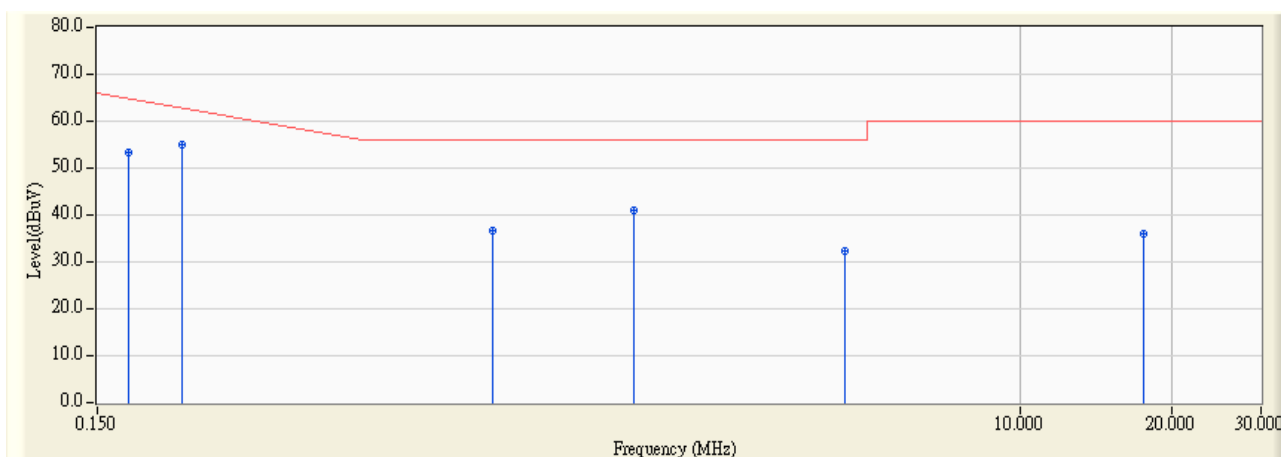
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2010/04/14 - 00:05
Limit : CISPR_B_00M_QP	Margin : 10
EUT : Notebook PC	Probe : ENV_216_L1 - Line1
Power : AC 110V/60Hz	Note : Mode 2



Site : SR1	Time : 2010/04/14 - 00:07
Limit : CISPR_B_00M_QP	Margin : 0
EUT : Notebook PC	Probe : ENV_216_L1 - Line1
Power : AC 110V/60Hz	Note : Mode 2

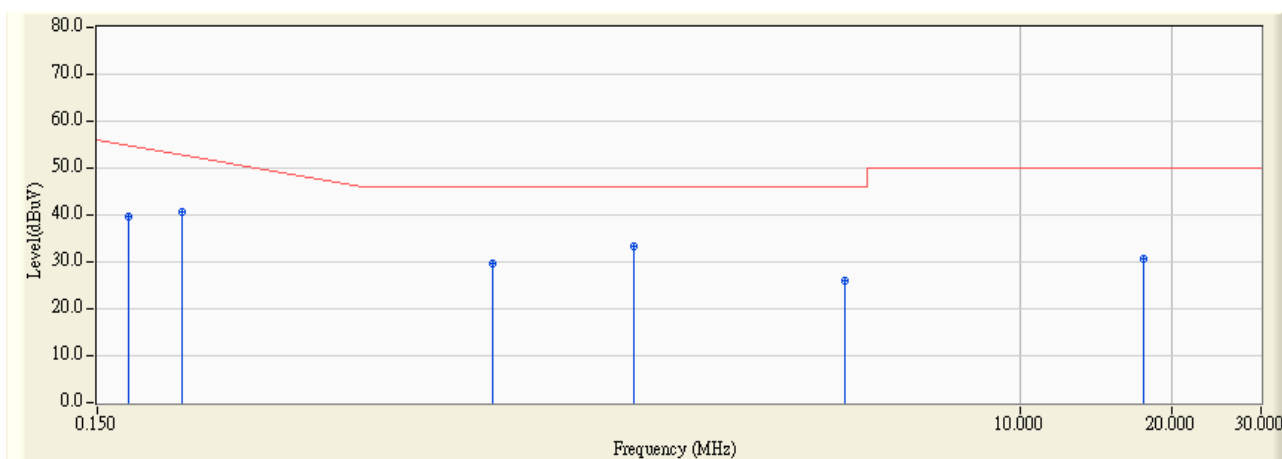


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.173	9.790	43.490	53.280	-12.063	65.343	QUASIPeAK
2	*	0.220	9.790	45.340	55.130	-8.870	64.000	QUASIPeAK
3		0.908	9.800	26.770	36.570	-19.430	56.000	QUASIPeAK
4		1.728	9.810	31.260	41.070	-14.930	56.000	QUASIPeAK
5		4.505	9.829	22.580	32.409	-23.591	56.000	QUASIPeAK
6		17.634	10.110	25.840	35.950	-24.050	60.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2010/04/14 - 00:07
Limit : CISPR_B_00M_AV	Margin : 0
EUT : Notebook PC	Probe : ENV_216_L1 - Line1
Power : AC 110V/60Hz	Note : Mode 2

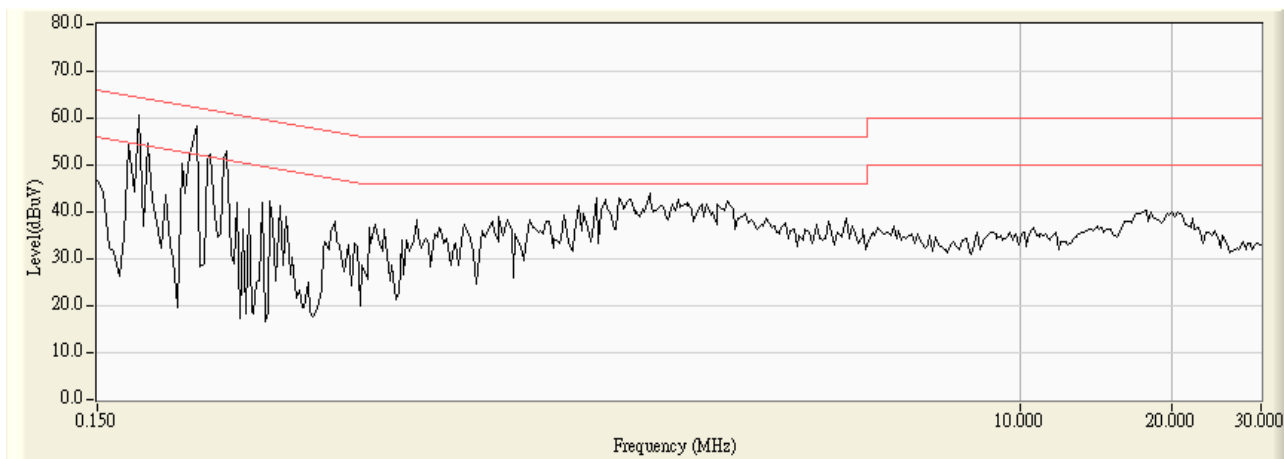


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.173	9.790	29.710	39.500	-15.843	55.343	AVERAGE
2		0.220	9.790	30.770	40.560	-13.440	54.000	AVERAGE
3		0.908	9.800	19.950	29.750	-16.250	46.000	AVERAGE
4	*	1.728	9.810	23.600	33.410	-12.590	46.000	AVERAGE
5		4.505	9.829	16.110	25.939	-20.061	46.000	AVERAGE
6		17.634	10.110	20.530	30.640	-19.360	50.000	AVERAGE

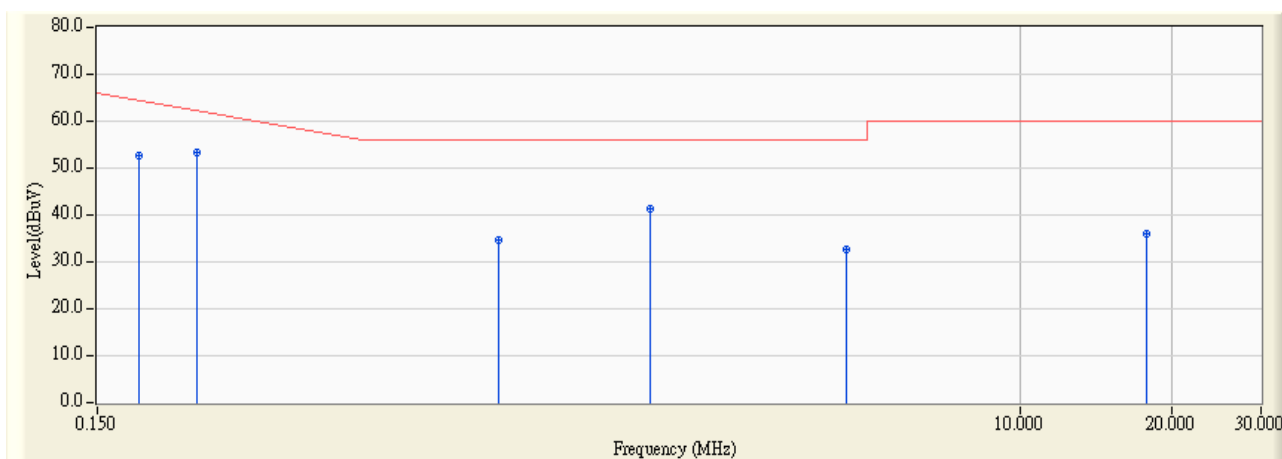
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2010/04/14 - 00:07
Limit : CISPR_B_00M_QP	Margin : 10
EUT : Notebook PC	Probe : ENV_216_N - Line2
Power : AC 110V/60Hz	Note : Mode 2



Site : SR1	Time : 2010/04/14 - 00:08
Limit : CISPR_B_00M_QP	Margin : 0
EUT : Notebook PC	Probe : ENV_216_N - Line2
Power : AC 110V/60Hz	Note : Mode 2

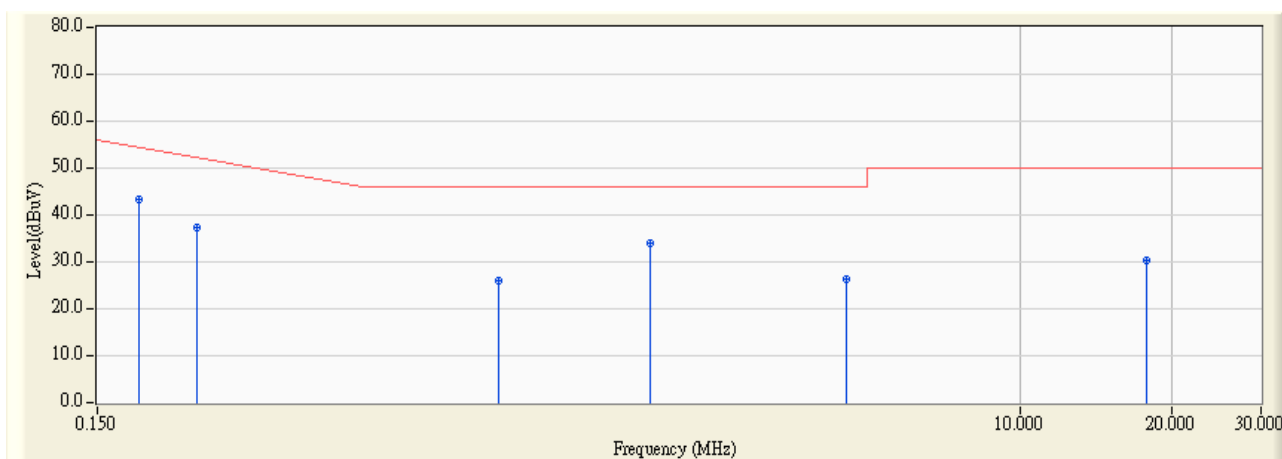


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.181	9.780	42.880	52.660	-12.454	65.114	QUASIPeAK
2	*	0.236	9.780	43.510	53.290	-10.253	63.543	QUASIPeAK
3		0.935	9.790	24.980	34.770	-21.230	56.000	QUASIPeAK
4		1.857	9.800	31.600	41.400	-14.600	56.000	QUASIPeAK
5		4.533	9.830	22.850	32.680	-23.320	56.000	QUASIPeAK
6		17.834	10.200	25.640	35.840	-24.160	60.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2010/04/14 - 00:08
Limit : CISPR_B_00M_AV	Margin : 0
EUT : Notebook PC	Probe : ENV_216_N - Line2
Power : AC 110V/60Hz	Note : Mode 2

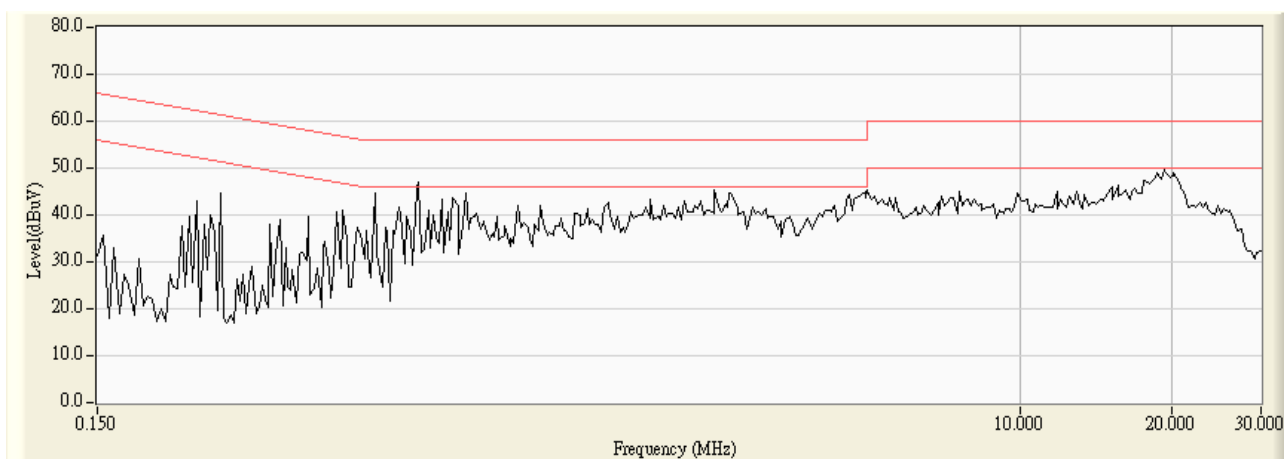


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.181	9.780	33.700	43.480	-11.634	55.114	AVERAGE
2		0.236	9.780	27.430	37.210	-16.333	53.543	AVERAGE
3		0.935	9.790	16.150	25.940	-20.060	46.000	AVERAGE
4		1.857	9.800	24.230	34.030	-11.970	46.000	AVERAGE
5		4.533	9.830	16.390	26.220	-19.780	46.000	AVERAGE
6		17.834	10.200	20.230	30.430	-19.570	50.000	AVERAGE

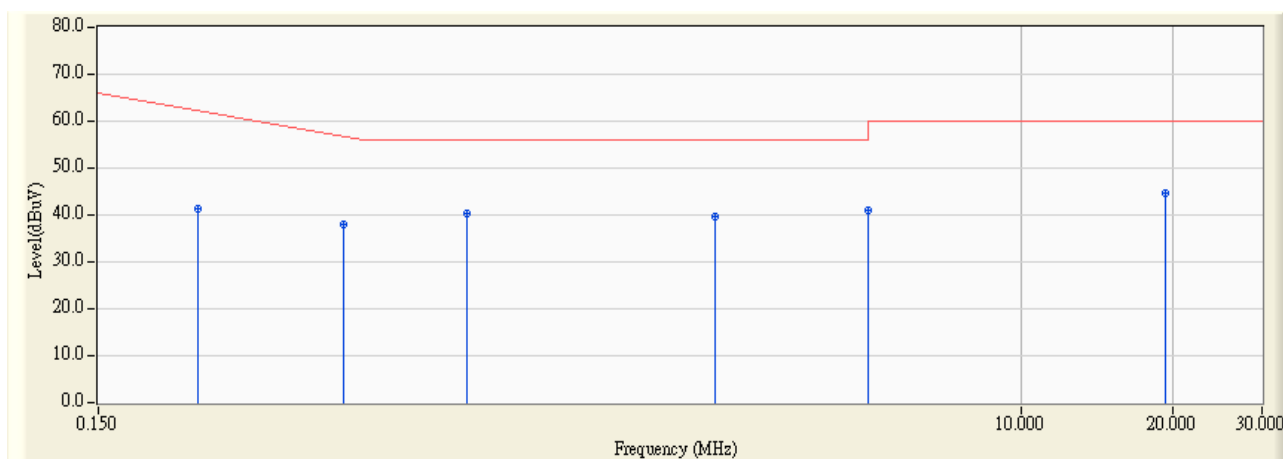
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2010/04/14 - 01:06
Limit : CISPR_B_00M_QP	Margin : 10
EUT : Notebook PC	Probe : ENV_216_L1 - Line1
Power : AC 110V/60Hz	Note : Mode 3



Site : SR1	Time : 2010/04/14 - 01:06
Limit : CISPR_B_00M_QP	Margin : 0
EUT : Notebook PC	Probe : ENV_216_L1 - Line1
Power : AC 110V/60Hz	Note : Mode 3

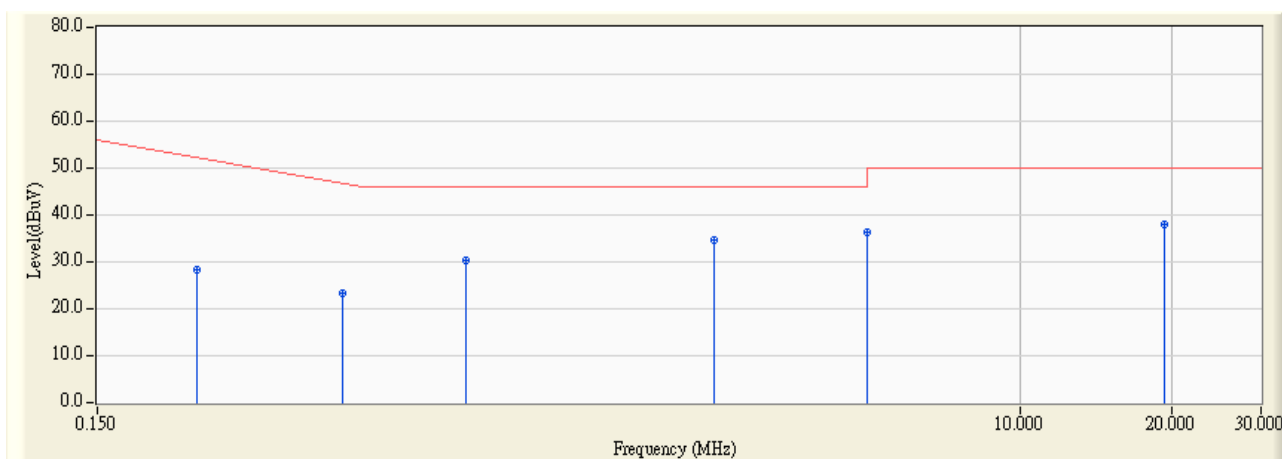


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.236	9.790	31.530	41.320	-22.223	63.543	QUASIPeAK
2		0.459	9.790	28.240	38.030	-19.141	57.171	QUASIPeAK
3		0.802	9.800	30.580	40.380	-15.620	56.000	QUASIPeAK
4		2.494	9.810	30.000	39.810	-16.190	56.000	QUASIPeAK
5		5.002	9.830	31.330	41.160	-18.840	60.000	QUASIPeAK
6	*	19.287	10.110	34.720	44.830	-15.170	60.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2010/04/14 - 01:06
Limit : CISPR_B_00M_AV	Margin : 0
EUT : Notebook PC	Probe : ENV_216_L1 - Line1
Power : AC 110V/60Hz	Note : Mode 3

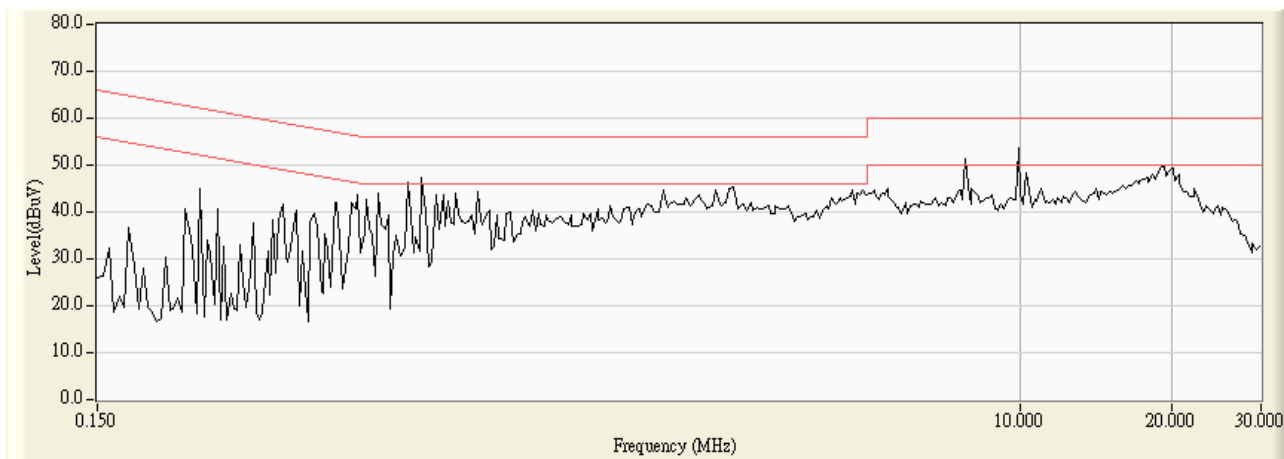


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.236	9.790	18.630	28.420	-25.123	53.543	AVERAGE
2		0.459	9.790	13.430	23.220	-23.951	47.171	AVERAGE
3		0.802	9.800	20.400	30.200	-15.800	46.000	AVERAGE
4	*	2.494	9.810	24.930	34.740	-11.260	46.000	AVERAGE
5		5.002	9.830	26.360	36.190	-13.810	50.000	AVERAGE
6		19.287	10.110	27.900	38.010	-11.990	50.000	AVERAGE

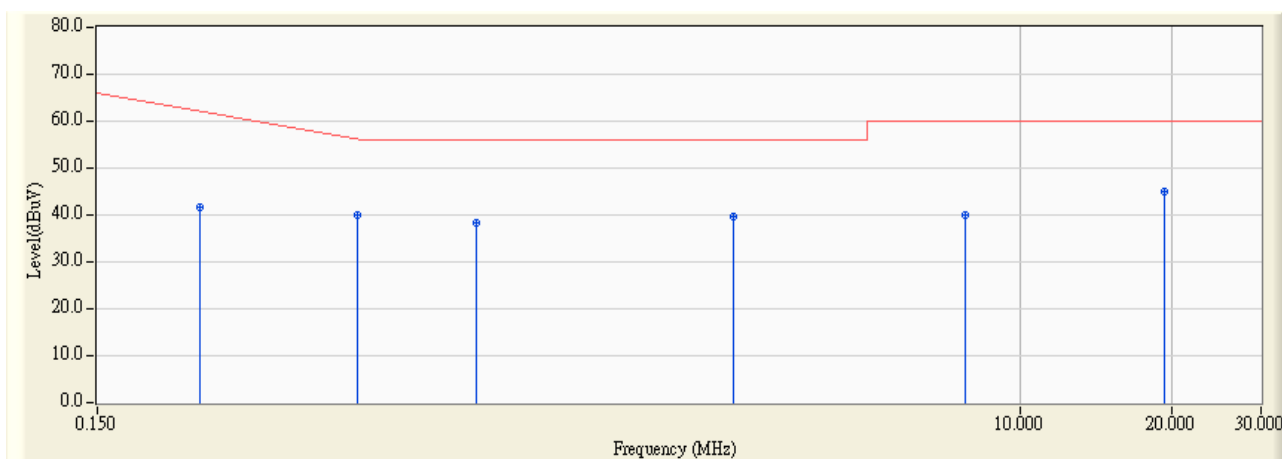
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2010/04/14 - 01:07
Limit : CISPR_B_00M_QP	Margin : 10
EUT : Notebook PC	Probe : ENV_216_N - Line2
Power : AC 110V/60Hz	Note : Mode 3



Site : SR1	Time : 2010/04/14 - 01:07
Limit : CISPR_B_00M_QP	Margin : 0
EUT : Notebook PC	Probe : ENV_216_N - Line2
Power : AC 110V/60Hz	Note : Mode 3

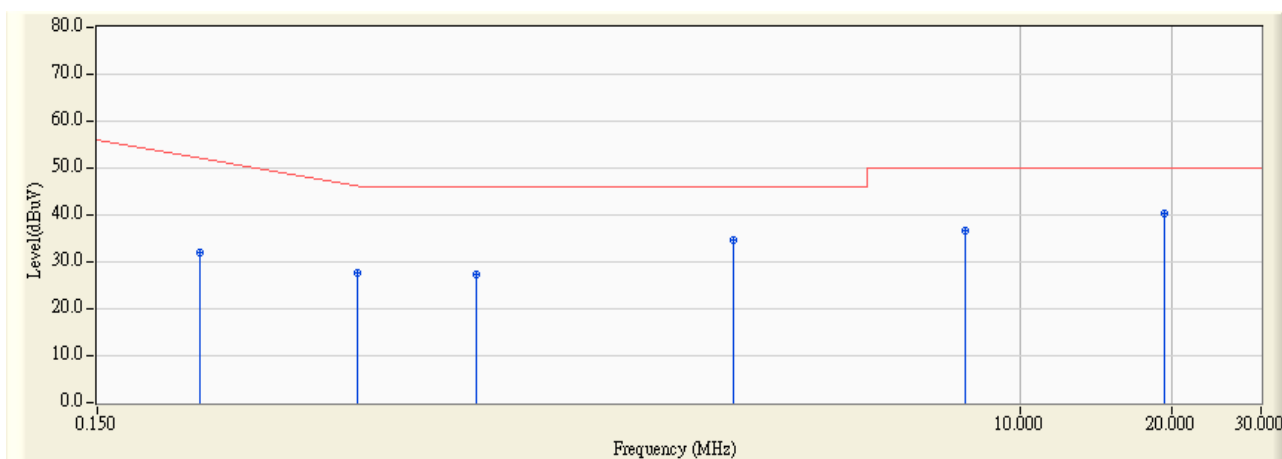


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.240	9.780	31.980	41.760	-21.669	63.429	QUASIPeAK
2		0.490	9.790	30.070	39.860	-16.426	56.286	QUASIPeAK
3		0.845	9.790	28.390	38.180	-17.820	56.000	QUASIPeAK
4		2.724	9.810	29.880	39.690	-16.310	56.000	QUASIPeAK
5		7.779	9.870	30.130	40.000	-20.000	60.000	QUASIPeAK
6	*	19.310	10.220	34.910	45.130	-14.870	60.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2010/04/14 - 01:07
Limit : CISPR_B_00M_AV	Margin : 0
EUT : Notebook PC	Probe : ENV_216_N - Line2
Power : AC 110V/60Hz	Note : Mode 3



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.240	9.780	22.290	32.070	-21.359	53.429	AVERAGE
2		0.490	9.790	17.880	27.670	-18.616	46.286	AVERAGE
3		0.845	9.790	17.590	27.380	-18.620	46.000	AVERAGE
4		2.724	9.810	24.710	34.520	-11.480	46.000	AVERAGE
5		7.779	9.870	26.770	36.640	-13.360	50.000	AVERAGE
6	*	19.310	10.220	30.180	40.400	-9.600	50.000	AVERAGE

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

3.6. 測試相片

測試模式： Mode 1

敘述： 電源端點干擾測試 正面相片



測試模式： Mode 1

敘述： 電源端點干擾測試 背面相片



測試模式： Mode 2

敘述： 電源端點干擾測試 正面相片



測試模式： Mode 2

敘述： 電源端點干擾測試 背面相片



測試模式： Mode 3

敘述： 電源端點干擾測試 正面相片



測試模式： Mode 3

敘述： 電源端點干擾測試 背面相片

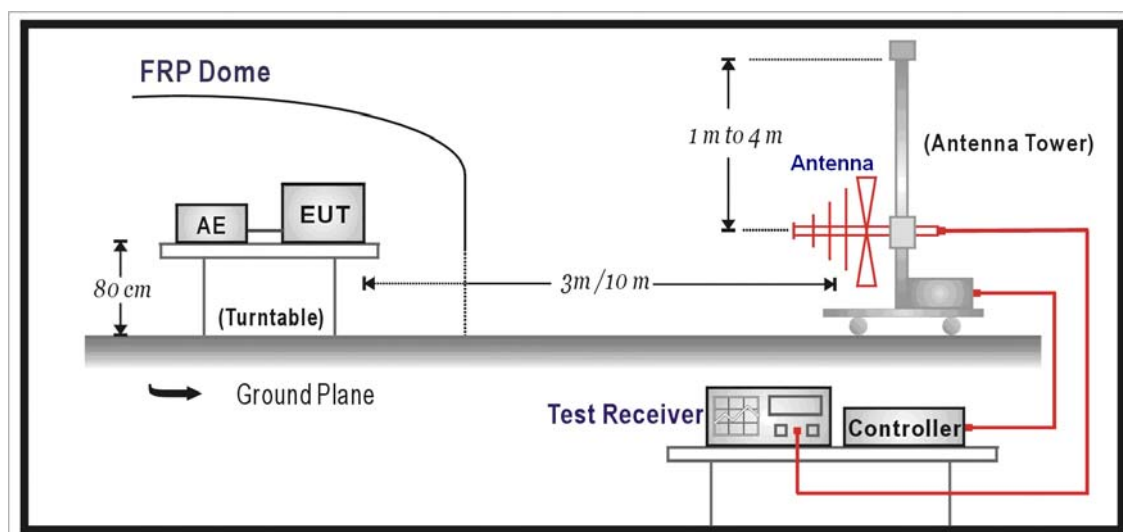


4. 輻射干擾測試

4.1. 引用標準

量測時引用標準依據：CNS13438

4.2. 輻射干擾測試架構圖



4.3. 輻射干擾測試限制值

輻射干擾測試限制值		
頻率範圍 (MHz)	測試距離 (公尺)	限制值 (dBuV/m)
30 – 230	10	30
230 – 1000	10	37

備註：

1. 測試距離 10m 是以從天線中心端至待測體間距。
2. 上表中，在頻率點交接處以較低之限制值為準。

4.4. 輻射干擾量測程序

待測物置於高 80 公分之非導體桌面,經信號線連至標準信號產生器, 放置待測物的桌面可 360 度旋轉, 接收天線置於距待測物 10 公尺距離, 高度可在 1 至 4 公尺間變動, 以量測待測物之最大輻射電場強度。接收天線並應於水平及垂直極化方向各量測一次。

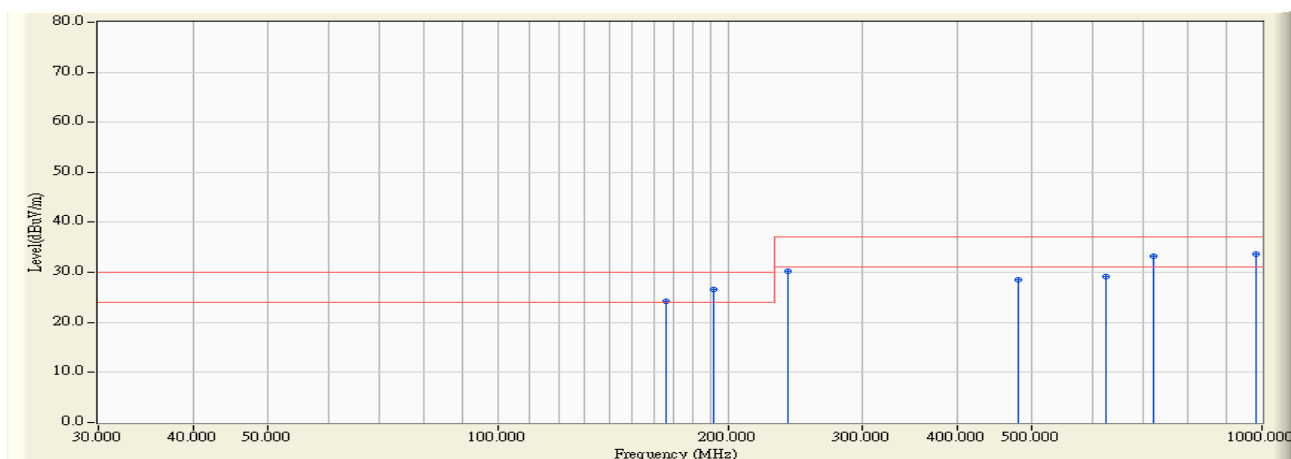
待測物應在正常工作狀態下量測。

輻射場強之測量範圍由 30MHz to 1000MHz。所有之讀值皆為準尖峰值 (Quasi-Peak value)。

場強接收機之解析頻寬為 120kHz。輻射場強之量測距離為 10 公尺。.

4.5. 測試結果

Site : OATS-3	Time : 2010/04/12 - 12:00
Limit : CISPR_B_10M_QP	Margin : 6
EUT : Notebook PC	Probe : Site3_CBL6112_10M_0811 - HORIZONTAL
Power : AC 110V/60Hz	Note : Mode 1

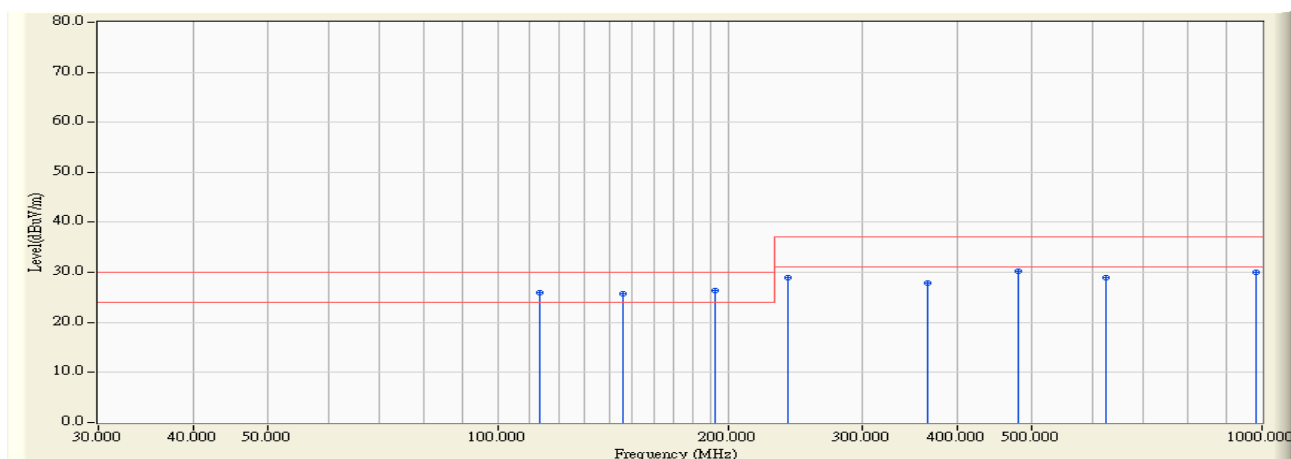


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		165.920	12.975	11.300	24.275	-5.725	30.000	QUASIPeak
2		191.600	12.596	13.900	26.496	-3.504	30.000	QUASIPeak
3		240.000	15.590	14.700	30.290	-6.710	37.000	QUASIPeak
4		480.024	21.668	6.900	28.569	-8.431	37.000	QUASIPeak
5		625.037	24.054	5.100	29.154	-7.846	37.000	QUASIPeak
6		720.000	25.170	8.000	33.170	-3.830	37.000	QUASIPeak
7	*	984.055	28.812	4.800	33.611	-3.389	37.000	QUASIPeak

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : OATS-3	Time : 2010/04/12 - 11:54
Limit : CISPR_B_10M_QP	Margin : 6
EUT : Notebook PC	Probe : Site3_CBL6112_10M_0811 - VERTICAL
Power : AC 110V/60Hz	Note : Mode 1

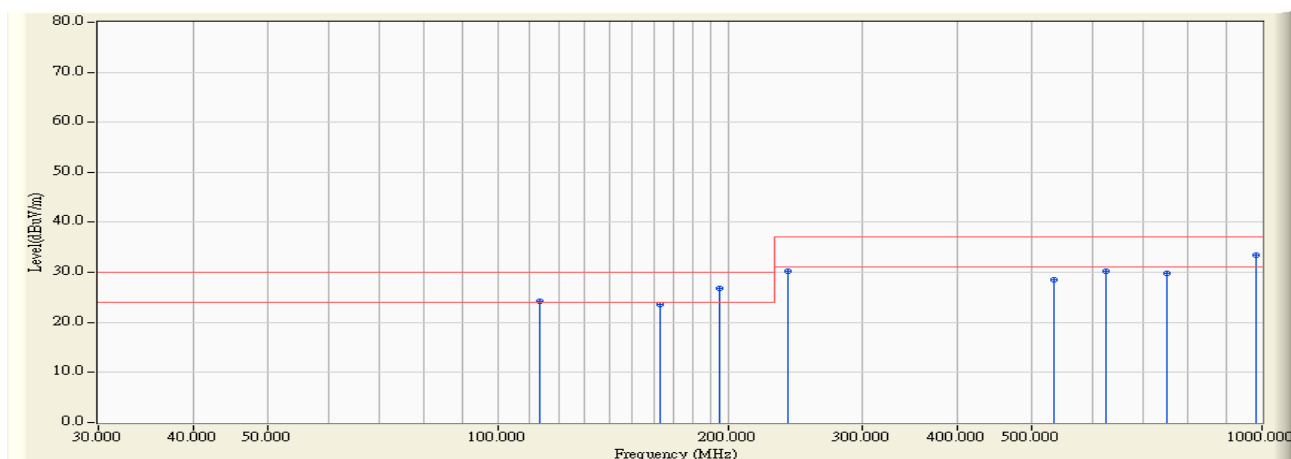


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		113.400	14.990	11.000	25.989	-4.011	30.000	QUASIPeAK
2		145.800	14.071	11.600	25.671	-4.329	30.000	QUASIPeAK
3	*	192.120	12.601	13.700	26.301	-3.699	30.000	QUASIPeAK
4		240.000	15.590	13.400	28.990	-8.010	37.000	QUASIPeAK
5		364.600	19.138	8.700	27.838	-9.162	37.000	QUASIPeAK
6		480.003	21.668	8.500	30.168	-6.832	37.000	QUASIPeAK
7		625.040	24.054	4.900	28.954	-8.046	37.000	QUASIPeAK
8		984.056	28.812	1.200	30.011	-6.989	37.000	QUASIPeAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : OATS-3	Time : 2010/04/12 - 13:49
Limit : CISPR_B_10M_QP	Margin : 6
EUT : Notebook PC	Probe : Site3_CBL6112_10M_0811 - HORIZONTAL
Power : AC 110V/60Hz	Note : Mode 2

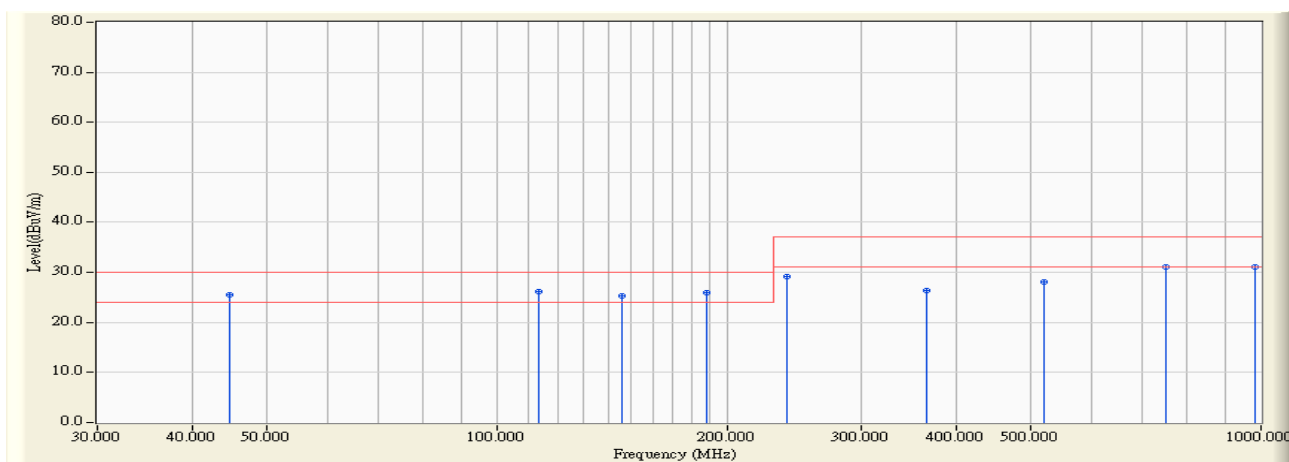


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		113.400	14.990	9.200	24.189	-5.811	30.000	QUASIPeAK
2		162.750	13.105	10.500	23.604	-6.396	30.000	QUASIPeAK
3	*	195.200	12.646	14.200	26.846	-3.154	30.000	QUASIPeAK
4		240.000	15.590	14.600	30.190	-6.810	37.000	QUASIPeAK
5		533.155	22.634	5.900	28.534	-8.466	37.000	QUASIPeAK
6		625.038	24.054	6.200	30.254	-6.746	37.000	QUASIPeAK
7		750.046	25.603	4.300	29.903	-7.097	37.000	QUASIPeAK
8		984.052	28.812	4.600	33.411	-3.589	37.000	QUASIPeAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : OATS-3	Time : 2010/04/12 - 13:37
Limit : CISPR_B_10M_QP	Margin : 6
EUT : Notebook PC	Probe : Site3_CBL6112_10M_0811 - VERTICAL
Power : AC 110V/60Hz	Note : Mode 2

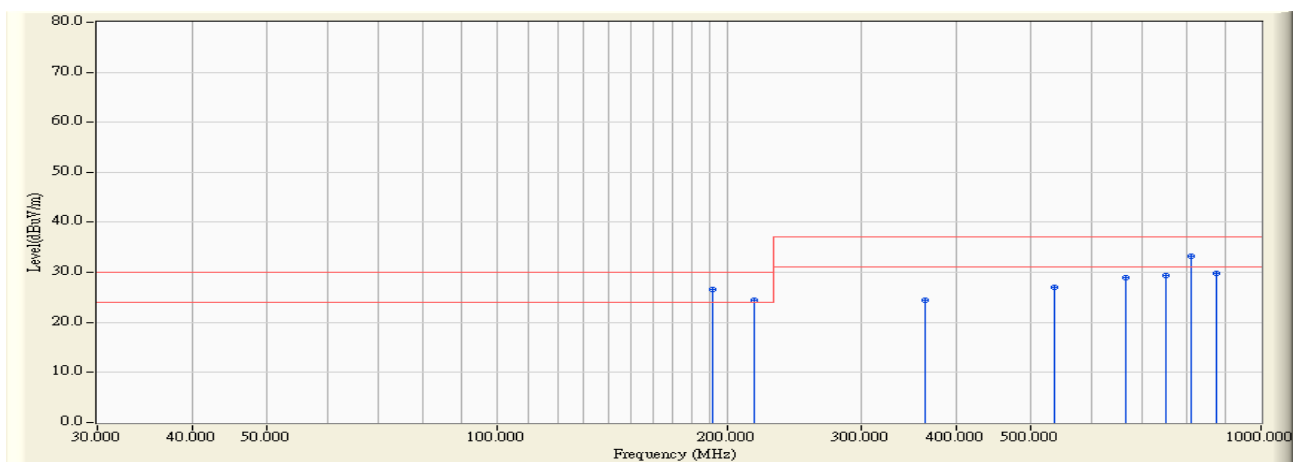


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		44.630	14.358	11.200	25.558	-4.442	30.000	QUASIPeak
2	*	113.398	14.990	11.100	26.089	-3.911	30.000	QUASIPeak
3		145.800	14.071	11.200	25.271	-4.729	30.000	QUASIPeak
4		188.440	12.546	13.400	25.947	-4.053	30.000	QUASIPeak
5		240.000	15.590	13.600	29.190	-7.810	37.000	QUASIPeak
6		365.000	19.144	7.200	26.344	-10.656	37.000	QUASIPeak
7		519.940	22.411	5.600	28.011	-8.989	37.000	QUASIPeak
8		750.050	25.603	5.600	31.203	-5.797	37.000	QUASIPeak
9		984.058	28.812	2.200	31.011	-5.989	37.000	QUASIPeak

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : OATS-3	Time : 2010/04/07 - 11:53
Limit : CISPR_B_10M_QP	Margin : 6
EUT : Notebook PC	Probe : Site3_CBL6112_10M_0811 - HORIZONTAL
Power : AC 110V/60Hz	Note : Mode 3

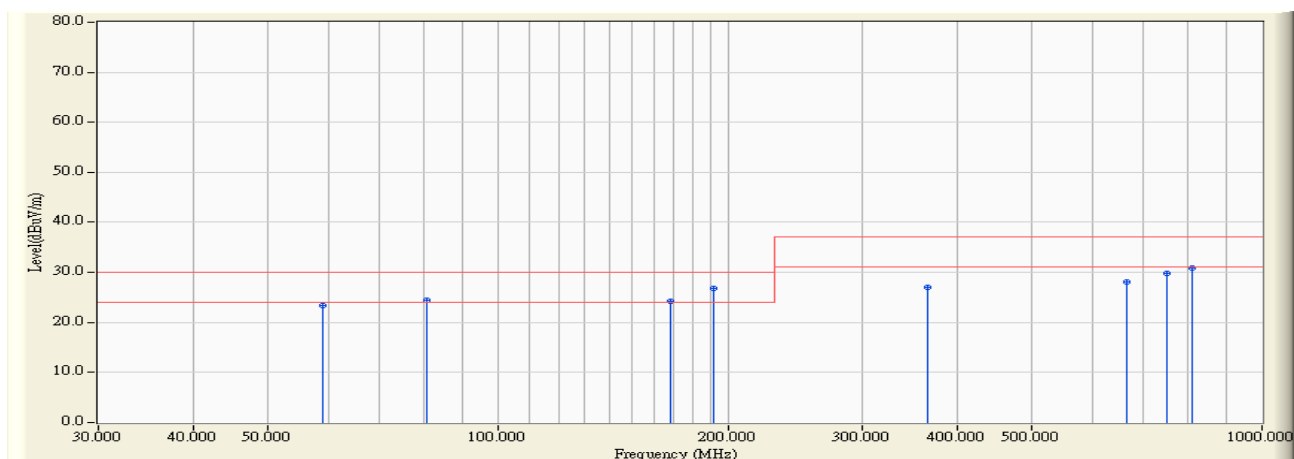


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	191.994	12.600	14.100	26.700	-3.300	30.000	QUASIPeak
2		216.830	13.922	10.500	24.423	-5.577	30.000	QUASIPeak
3		363.300	19.098	5.300	24.398	-12.602	37.000	QUASIPeak
4		535.580	22.674	4.400	27.074	-9.926	37.000	QUASIPeak
5		666.445	24.511	4.500	29.011	-7.989	37.000	QUASIPeak
6		749.990	25.603	3.700	29.303	-7.697	37.000	QUASIPeak
7		809.988	26.451	6.700	33.151	-3.849	37.000	QUASIPeak
8		874.990	27.322	2.400	29.722	-7.278	37.000	QUASIPeak

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : OATS-3	Time : 2010/04/07 - 11:55
Limit : CISPR_B_10M_QP	Margin : 6
EUT : Notebook PC	Probe : Site3_CBL6112_10M_0811 - VERTICAL
Power : AC 110V/60Hz	Note : Mode 3



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		58.915	7.959	15.500	23.459	-6.541	30.000	QUASIPeAK
2		80.540	11.011	13.500	24.511	-5.489	30.000	QUASIPeAK
3		167.998	12.890	11.400	24.289	-5.711	30.000	QUASIPeAK
4	*	191.996	12.600	14.300	26.900	-3.100	30.000	QUASIPeAK
5		365.700	19.153	7.800	26.952	-10.048	37.000	QUASIPeAK
6		666.463	24.511	3.500	28.011	-8.989	37.000	QUASIPeAK
7		749.991	25.603	4.300	29.903	-7.097	37.000	QUASIPeAK
8		809.988	26.451	4.500	30.951	-6.049	37.000	QUASIPeAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

4.6. 測試相片

測試模式： Mode 1

敘述： 輻射干擾測試 正面相片



測試模式： Mode 1

敘述： 輻射干擾測試 背面相片



測試模式： Mode 2

敘述： 輻射干擾測試 正面相片



測試模式： Mode 2

敘述： 輻射干擾測試 背面相片



測試模式： Mode 3

敘述： 輻射干擾測試 正面相片



測試模式： Mode 3

敘述： 輻射干擾測試 背面相片



5. 附錄

➤ 待測裝置相片

附件 2: 待測物內部相片

(1) EUT Photo



(2) EUT Photo



(3) EUT Photo



(4) EUT Photo



(5) EUT Photo



(6) EUT Photo



(7) EUT Photo



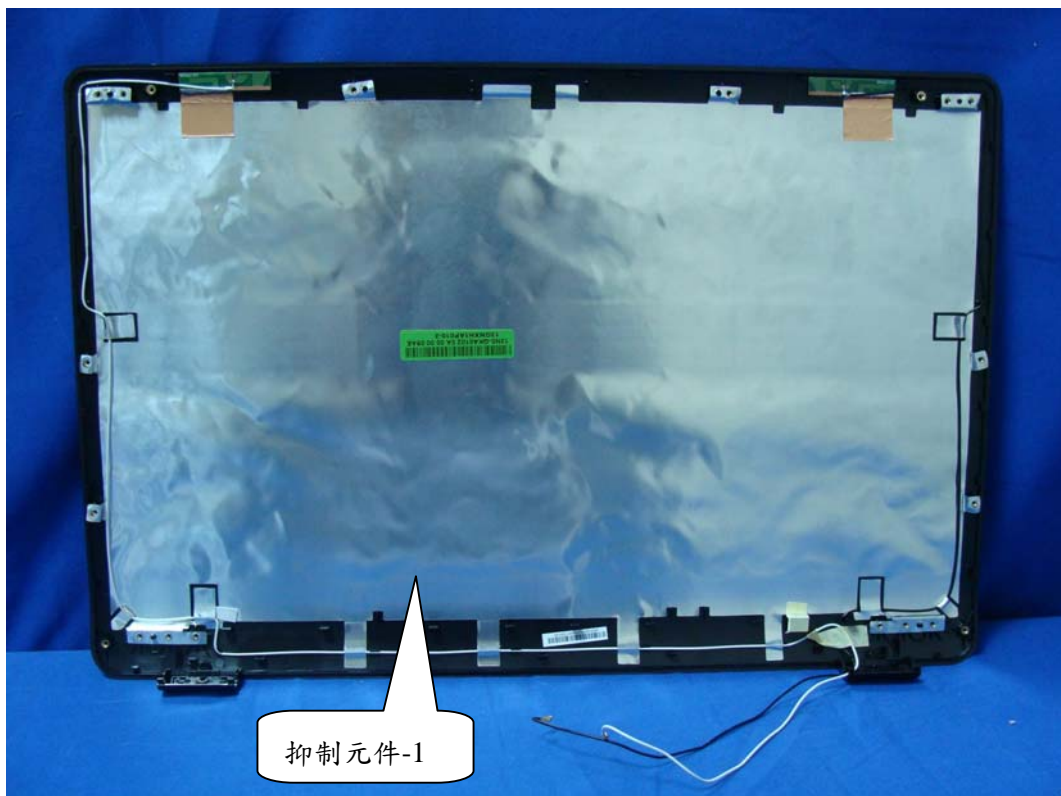
(8) EUT Photo



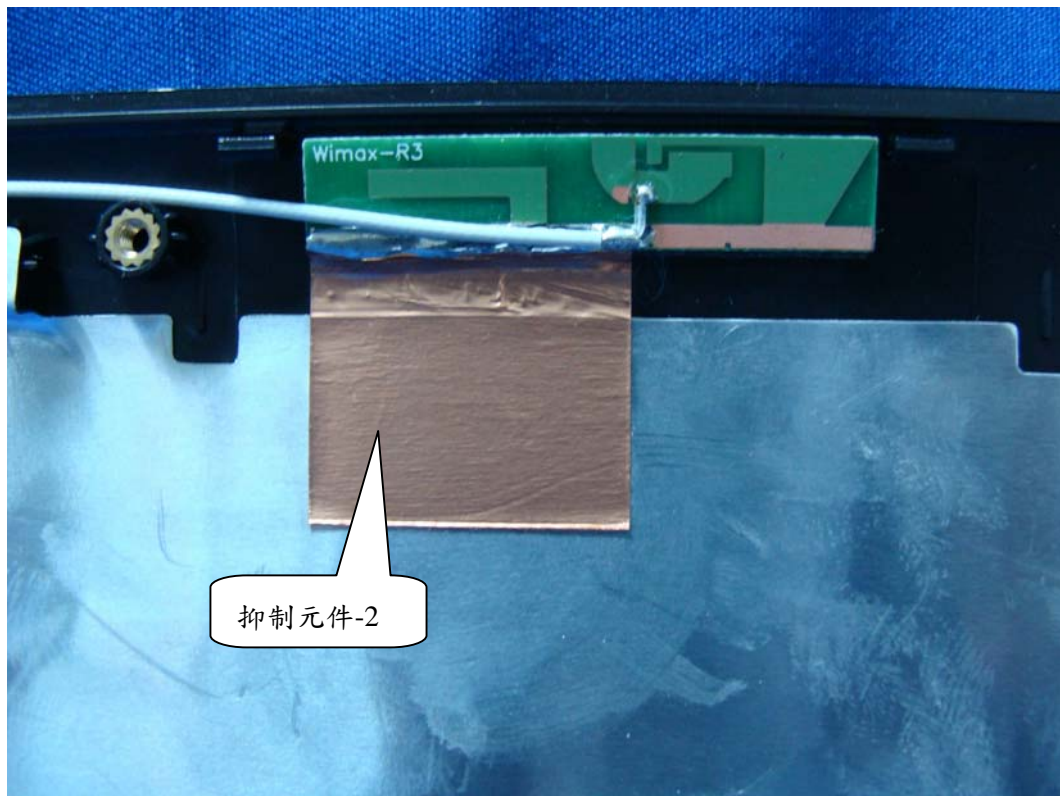
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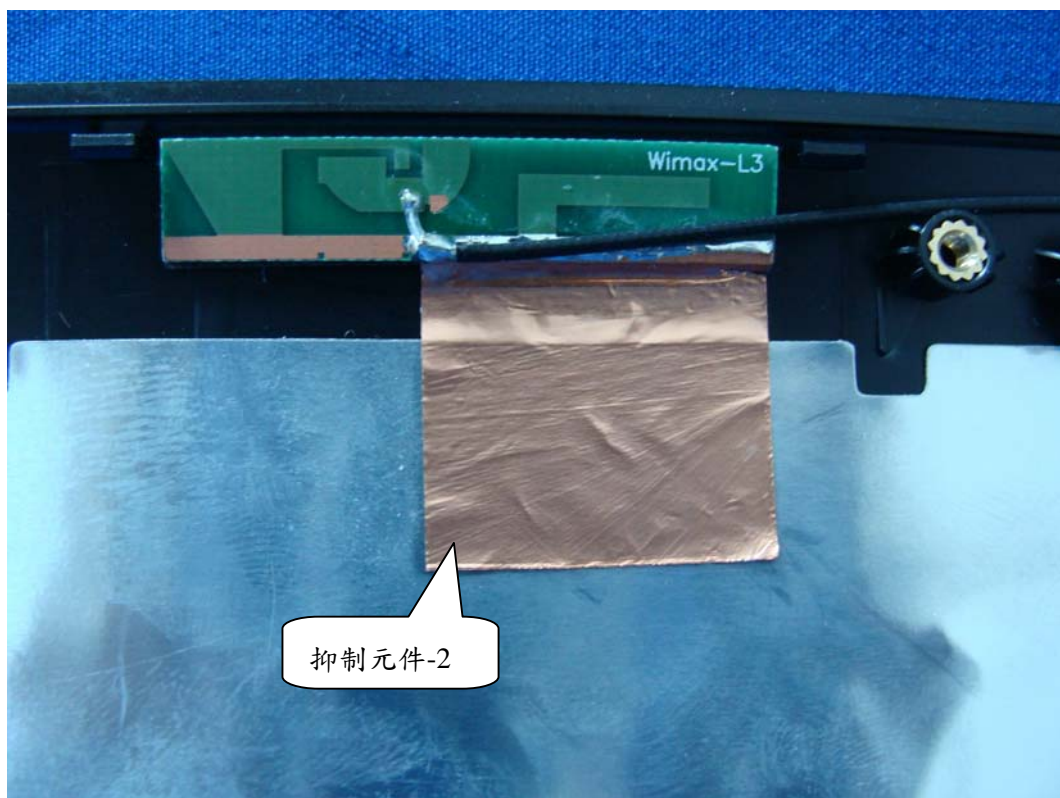
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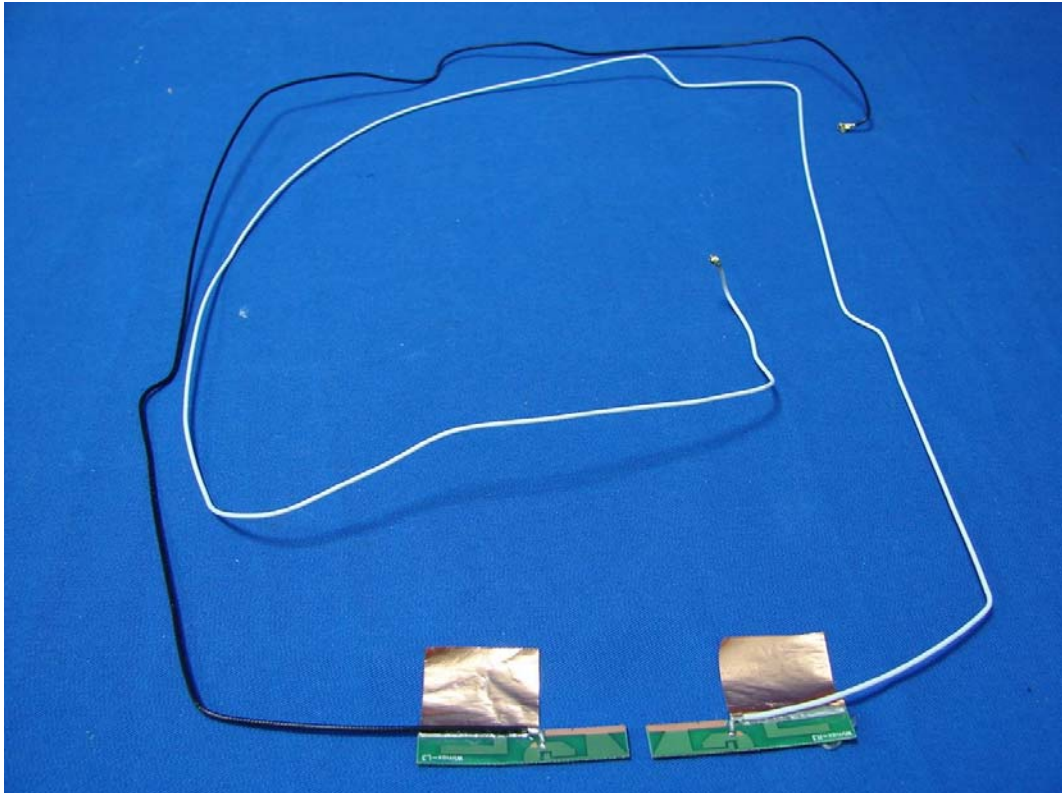
(11) EUT Photo



(12) EUT Photo



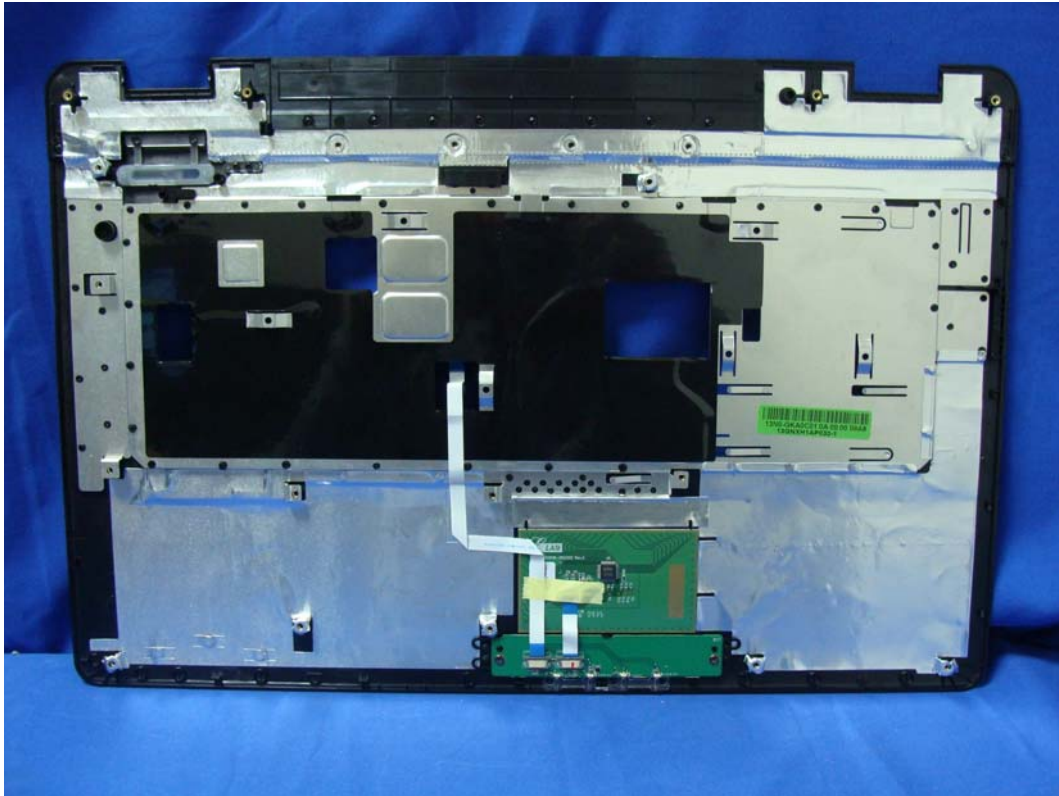
(13) EUT Photo



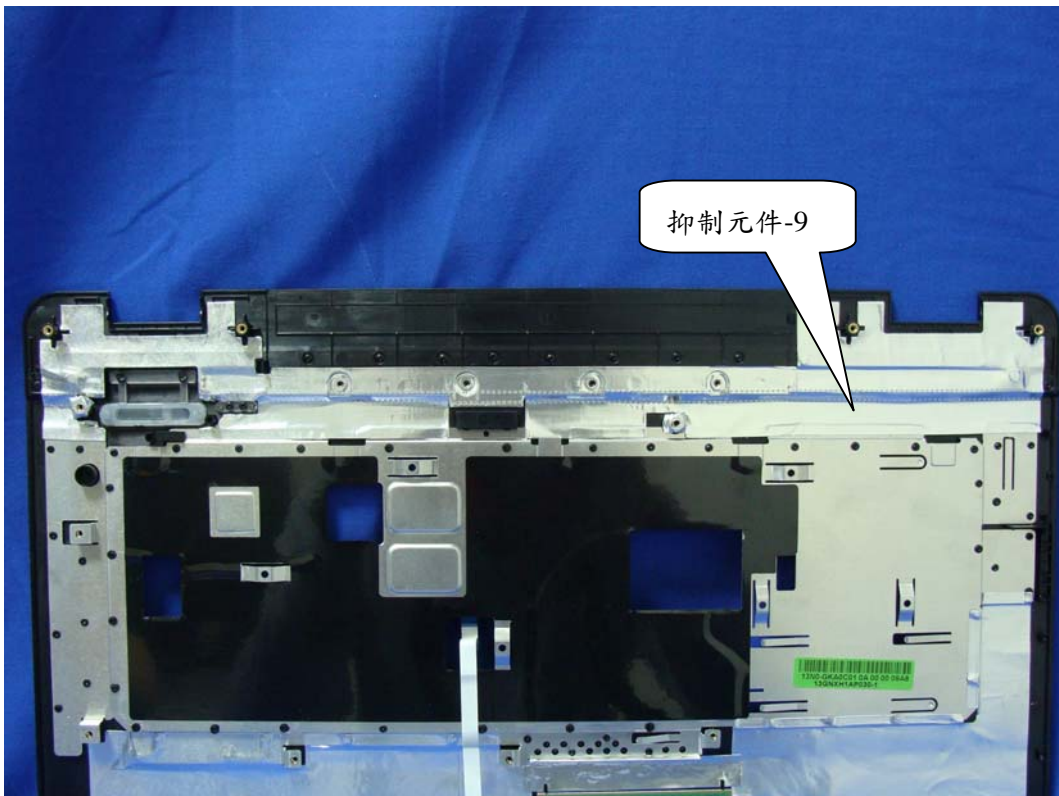
(14) EUT Photo



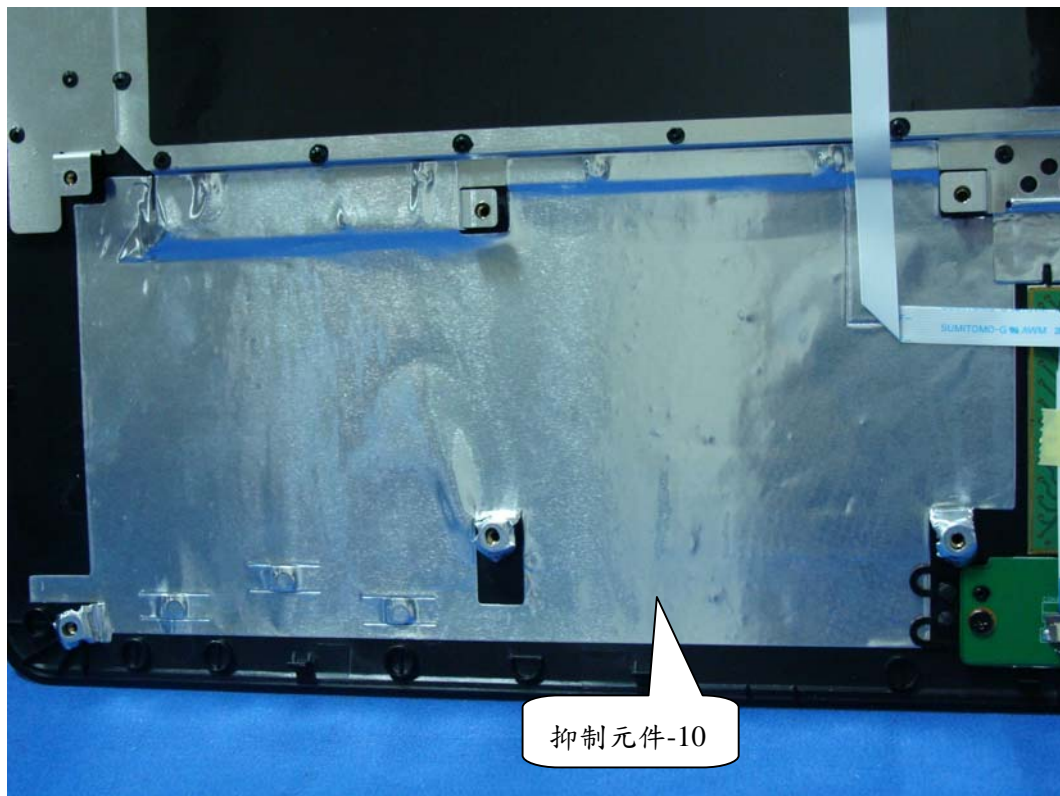
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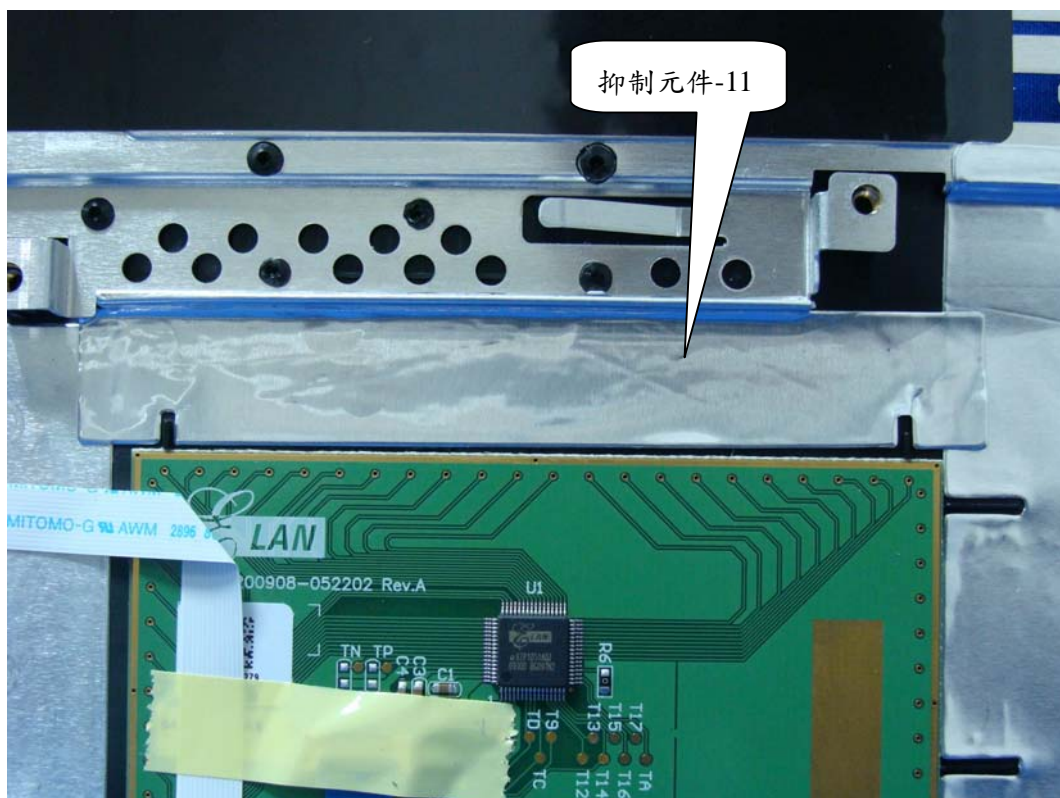
(16) EUT Photo



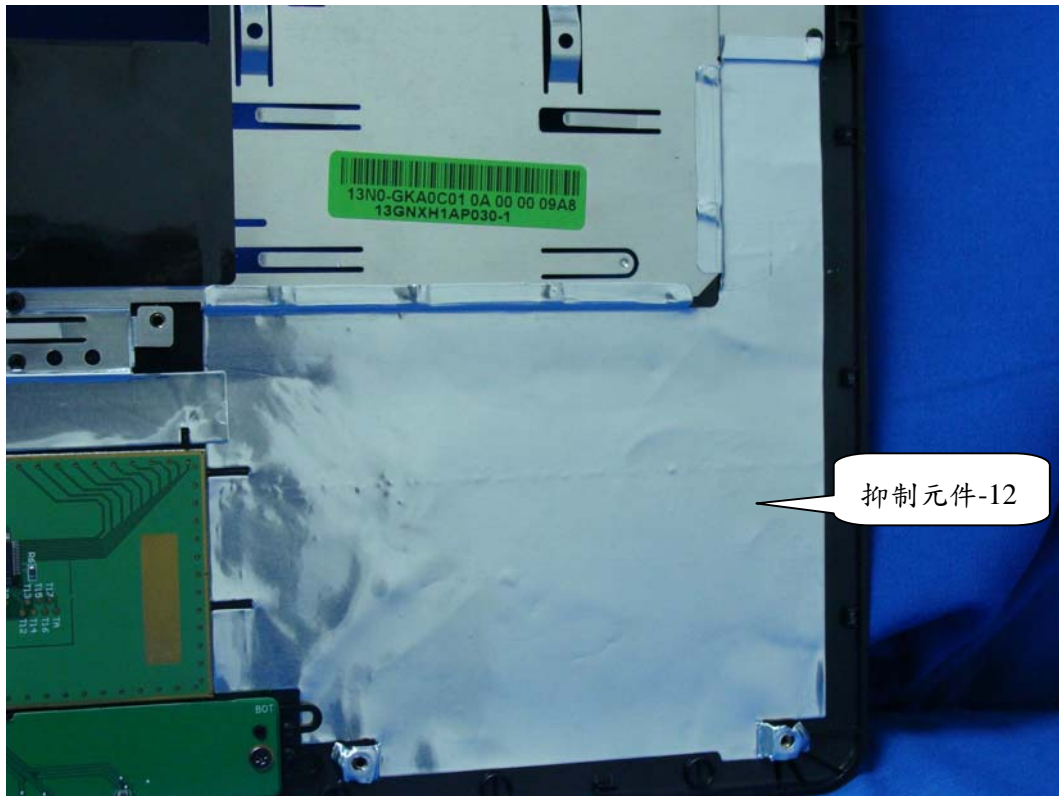
(17) EUT Photo



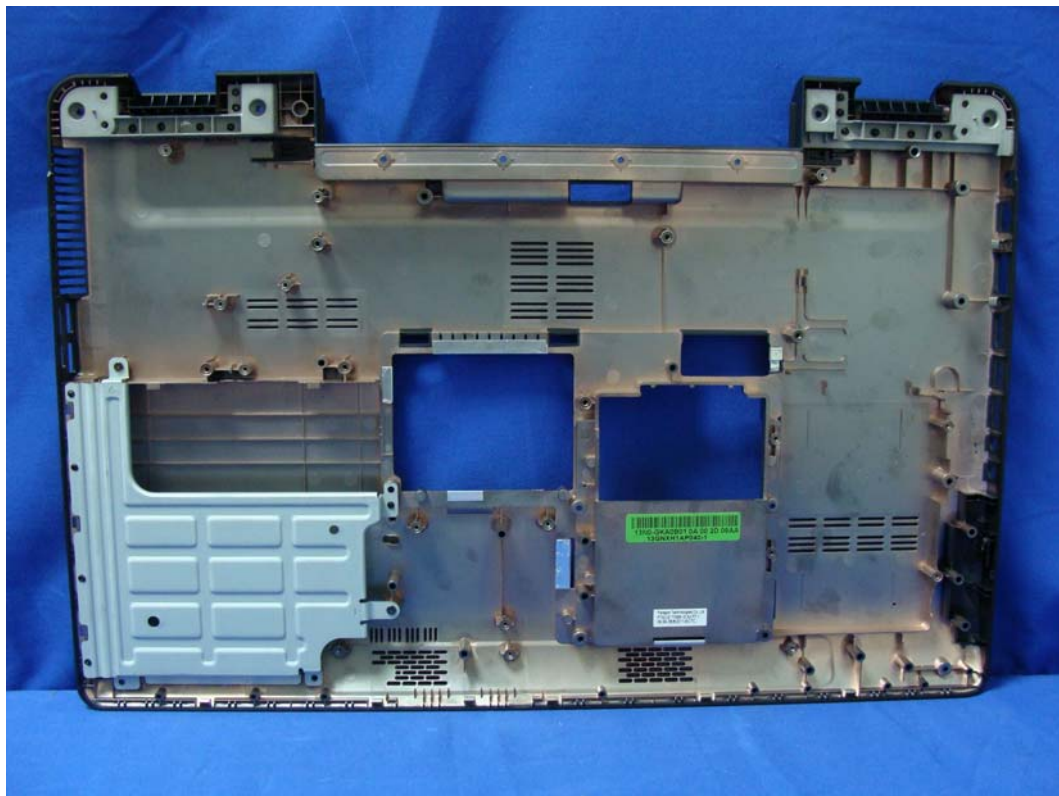
(18) EUT Photo



(19) EUT Photo



(20) EUT Photo



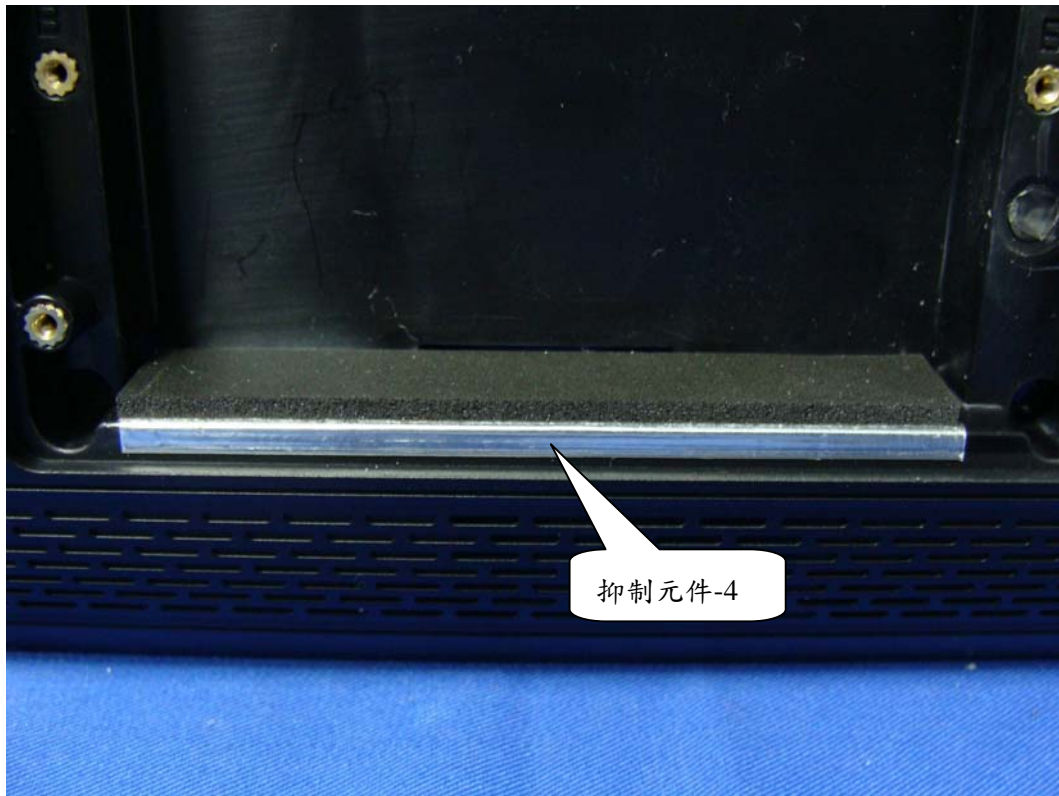
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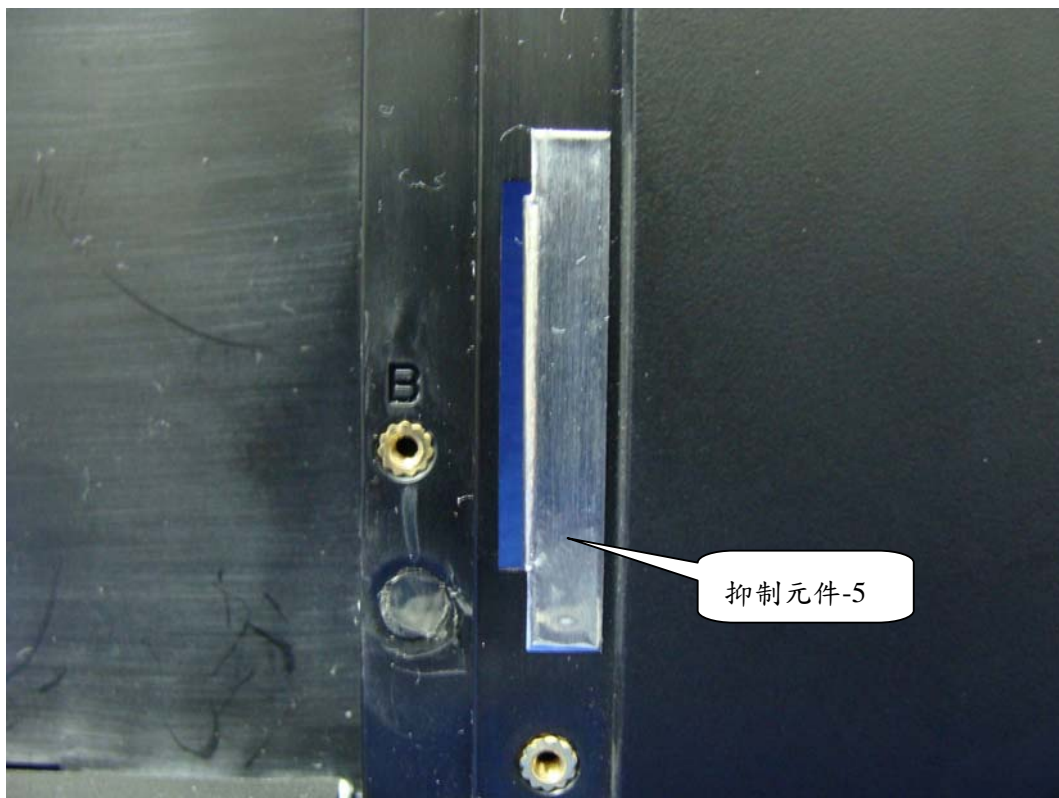
(22) EUT Photo



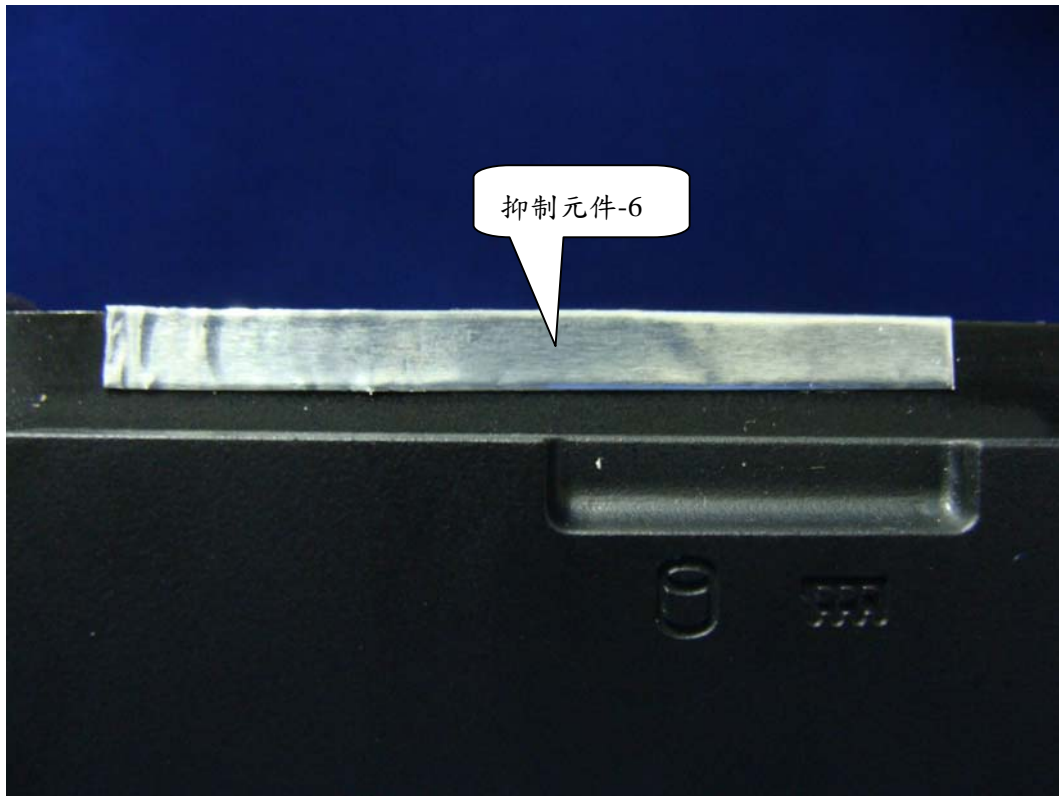
(23) EUT Photo



(24) EUT Photo



(25) EUT Photo



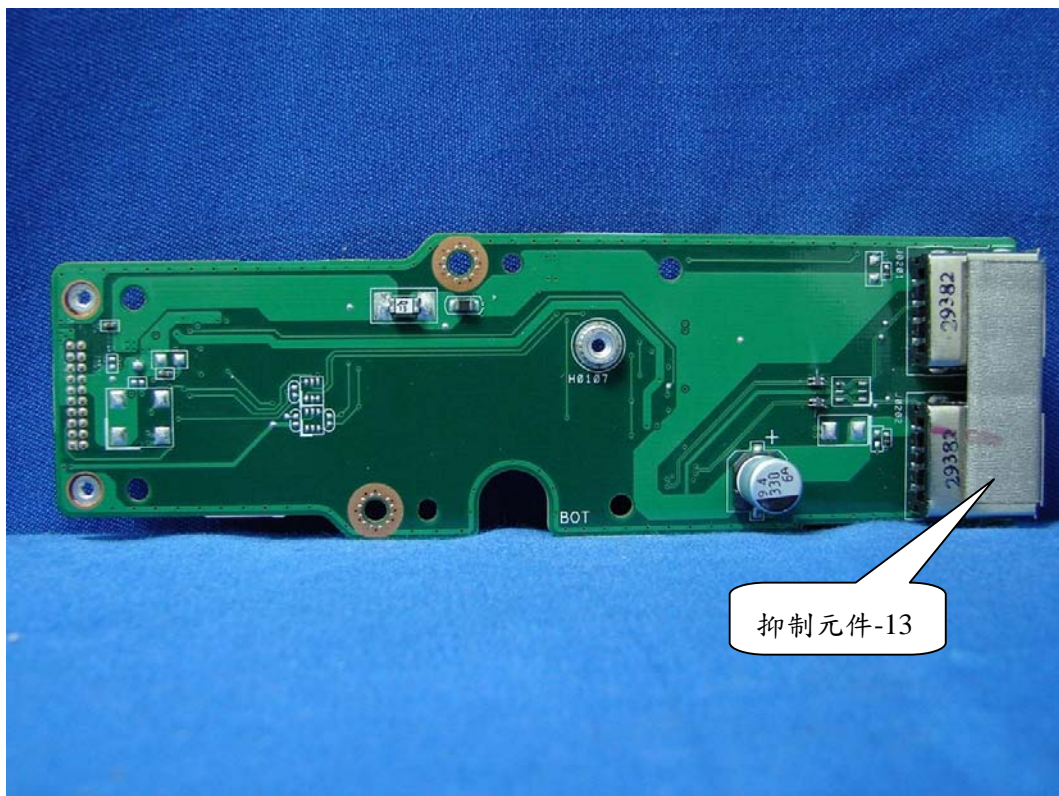
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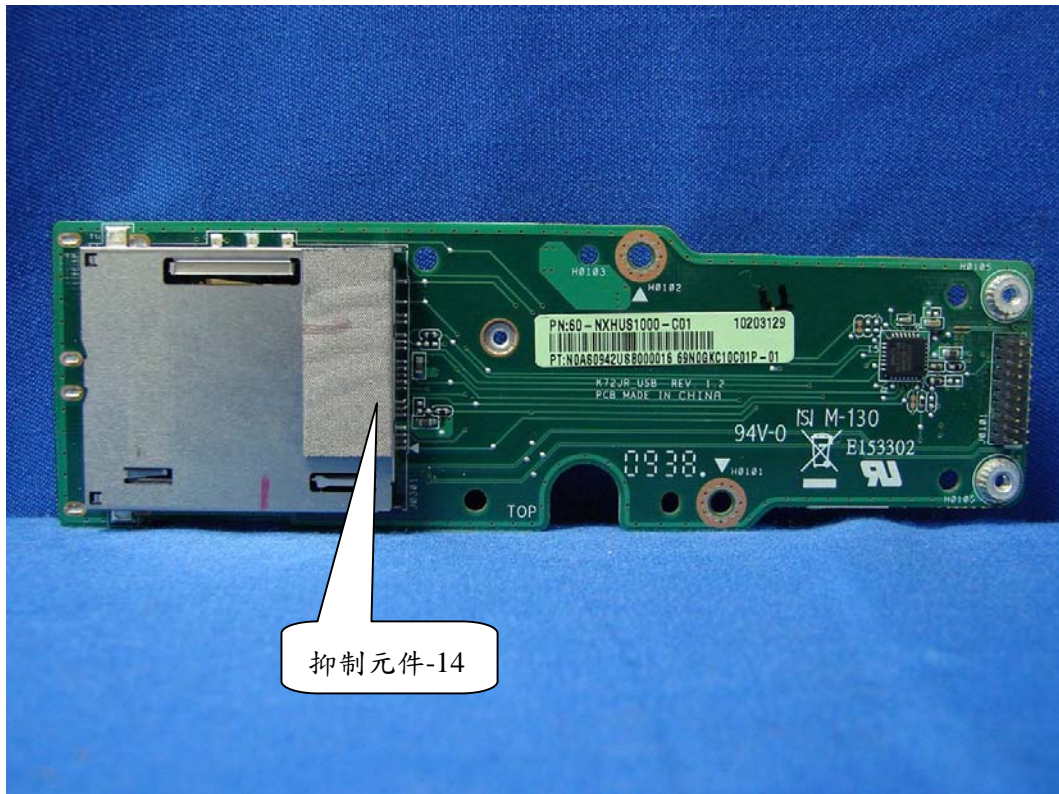
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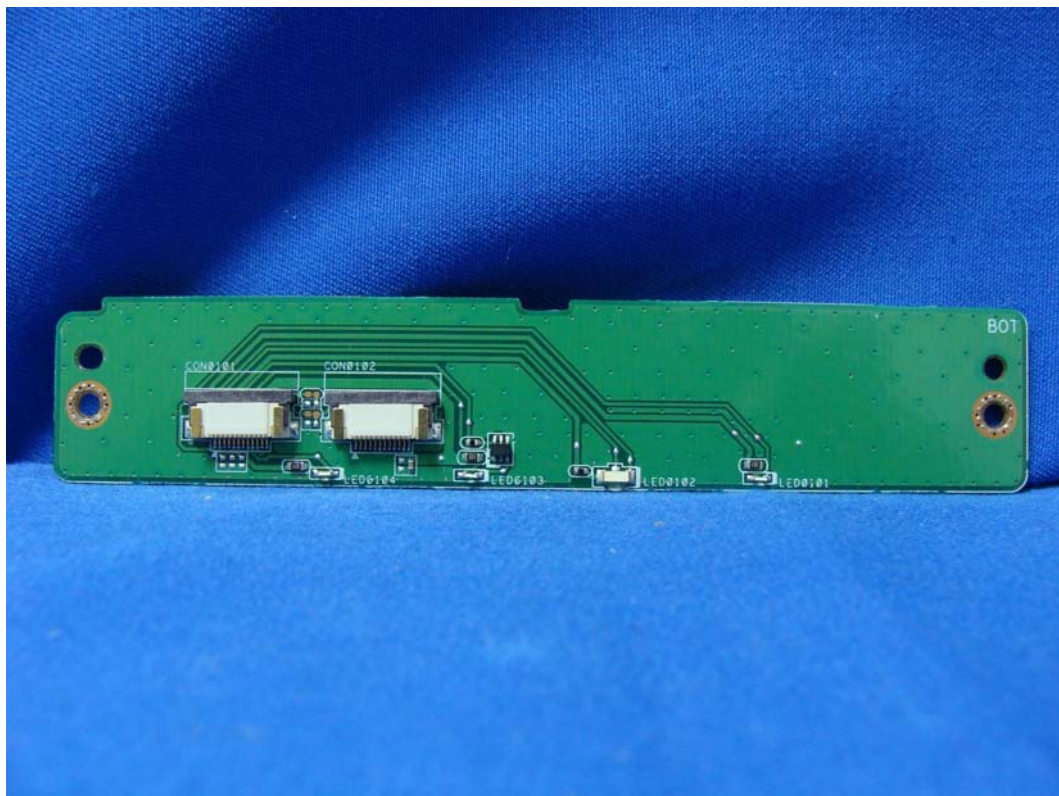
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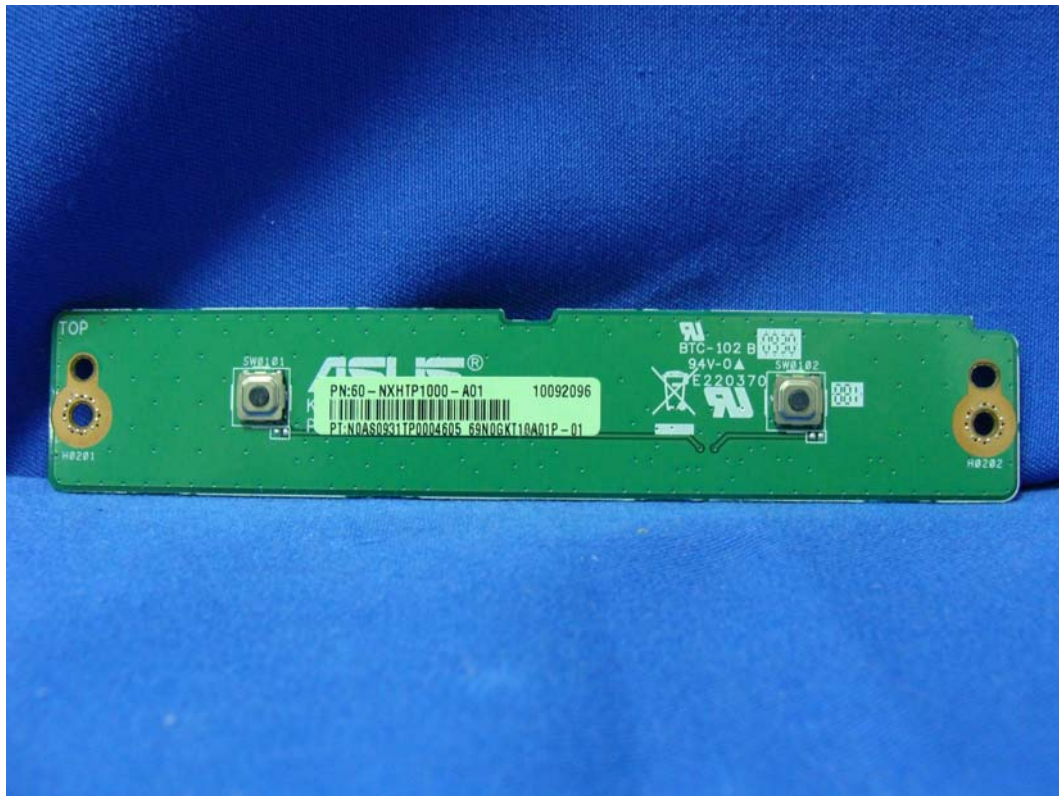
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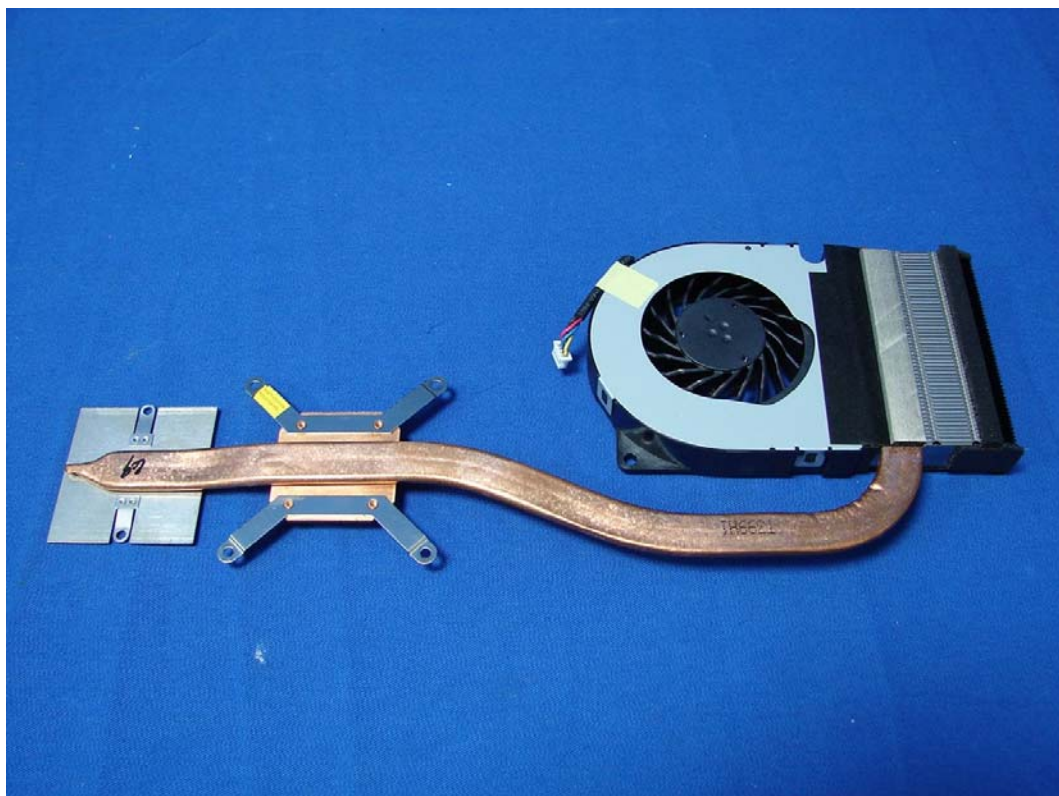
(30) EUT Photo



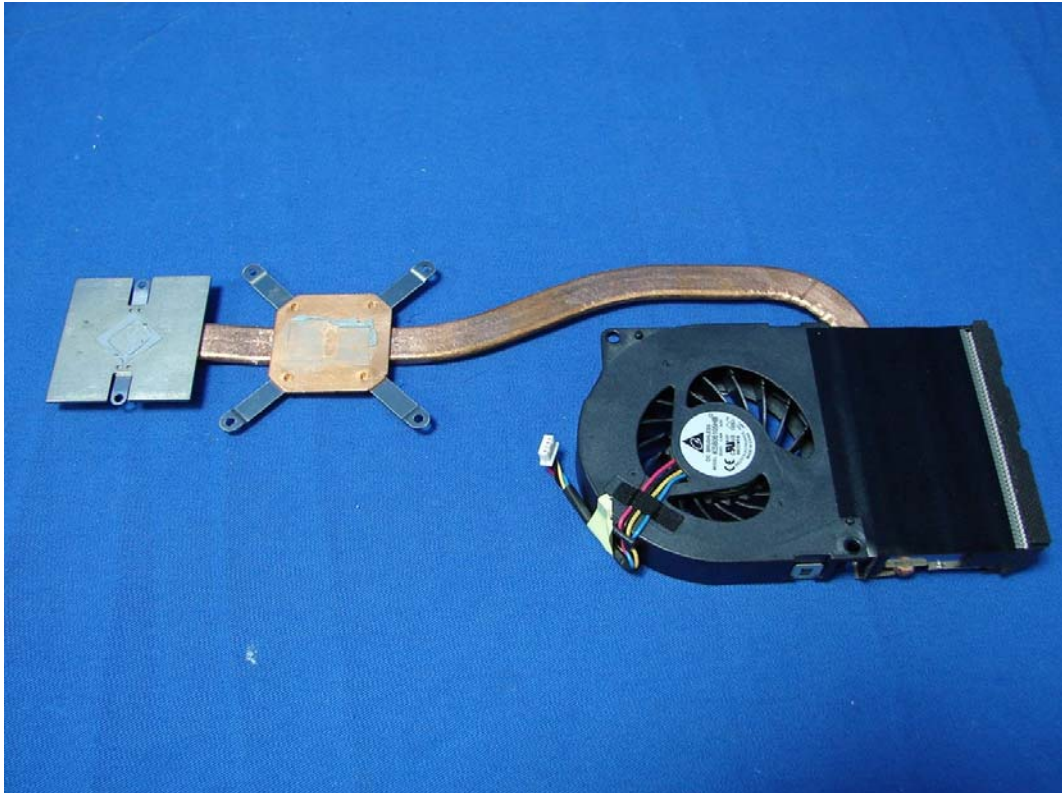
(31) EUT Photo



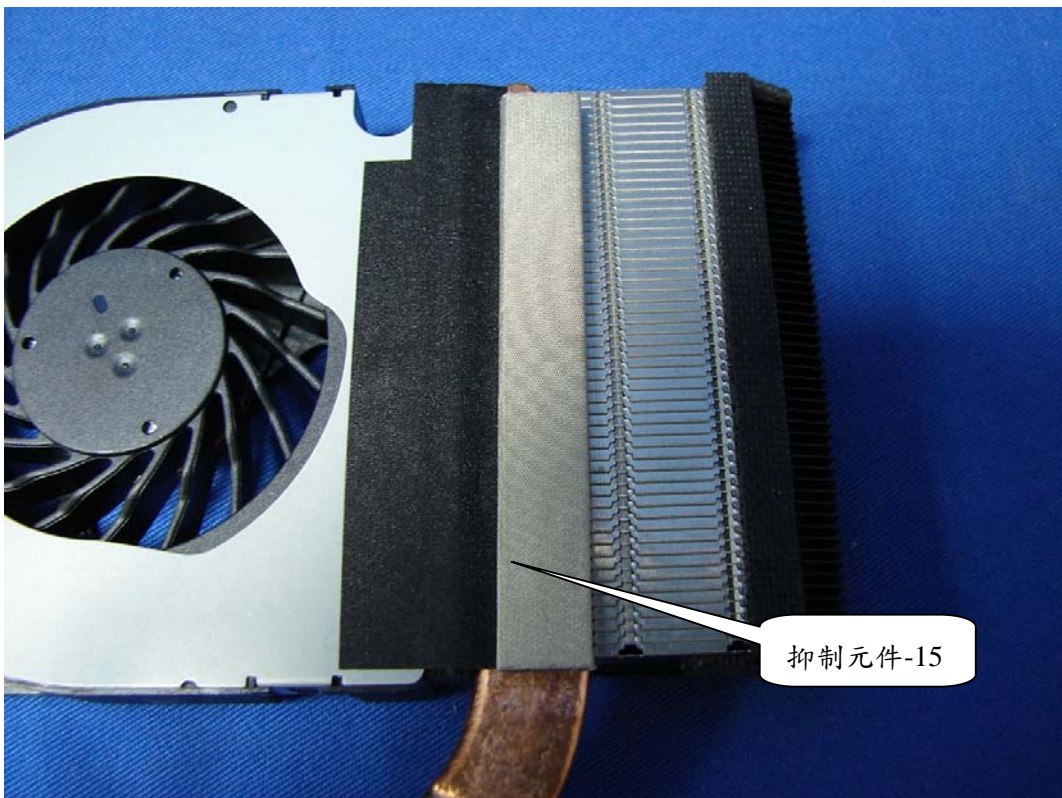
(32) EUT Photo



(33) EUT Photo



(34) EUT Photo



(35) EUT Photo



(36) EUT Photo



(37) EUT Photo



(38) EUT Photo



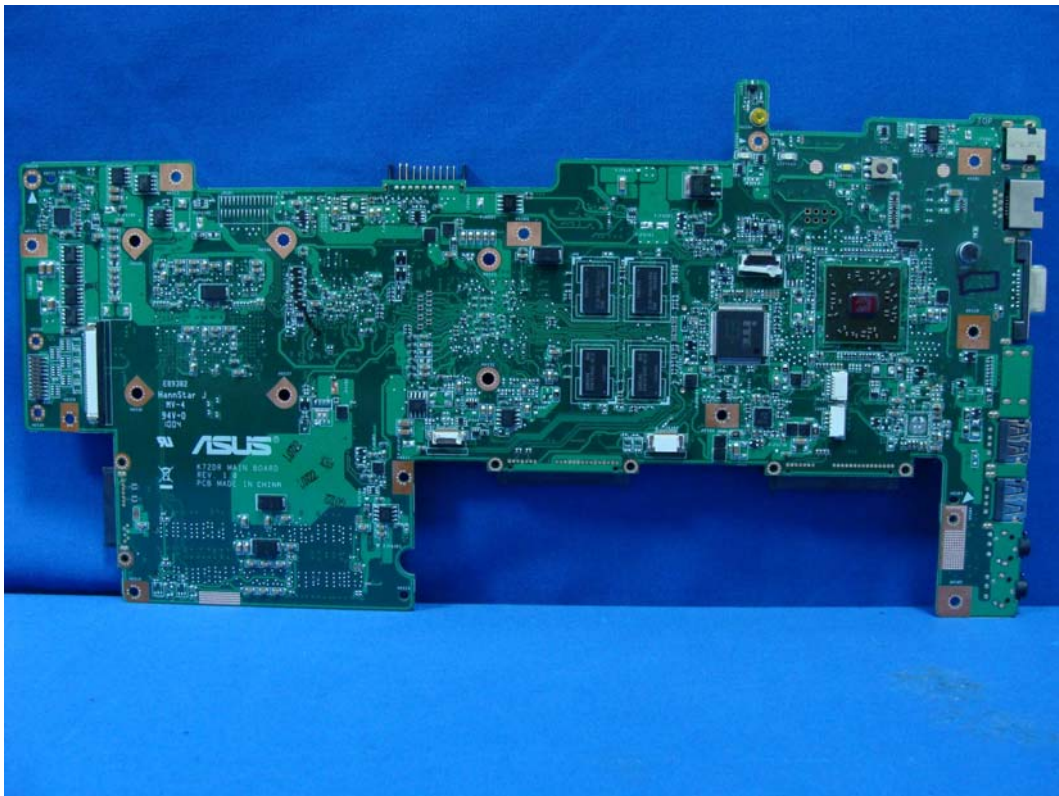
(39) EUT Photo



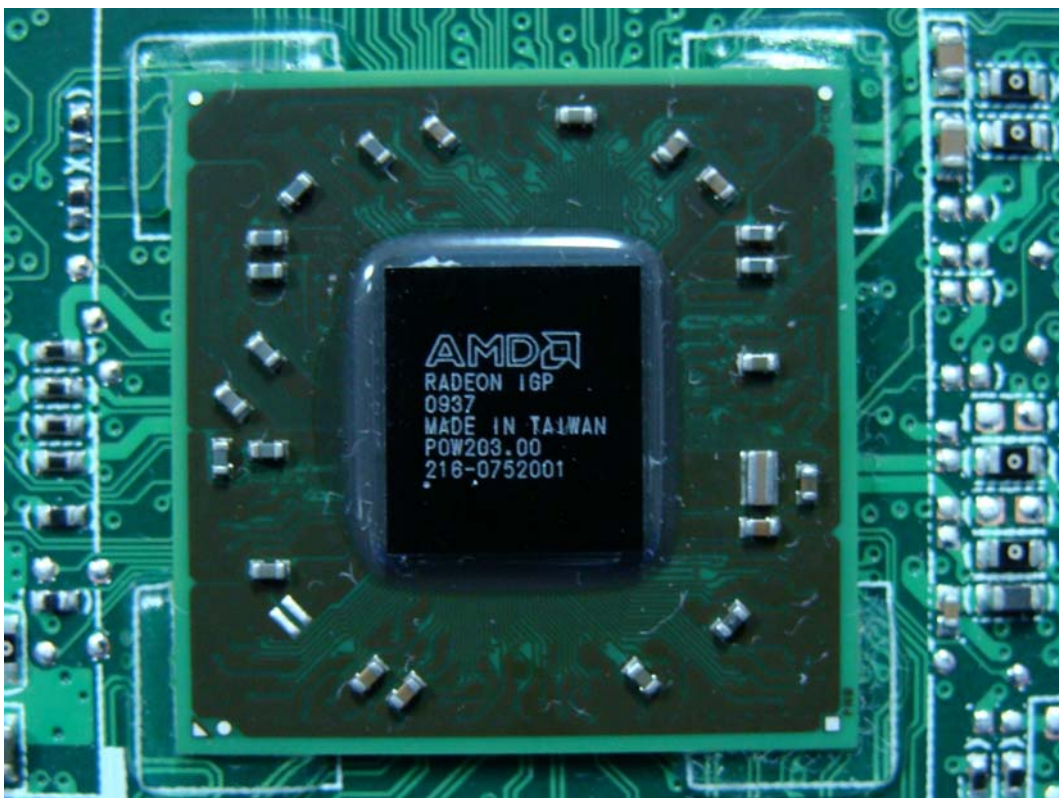
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(41) EUT Photo



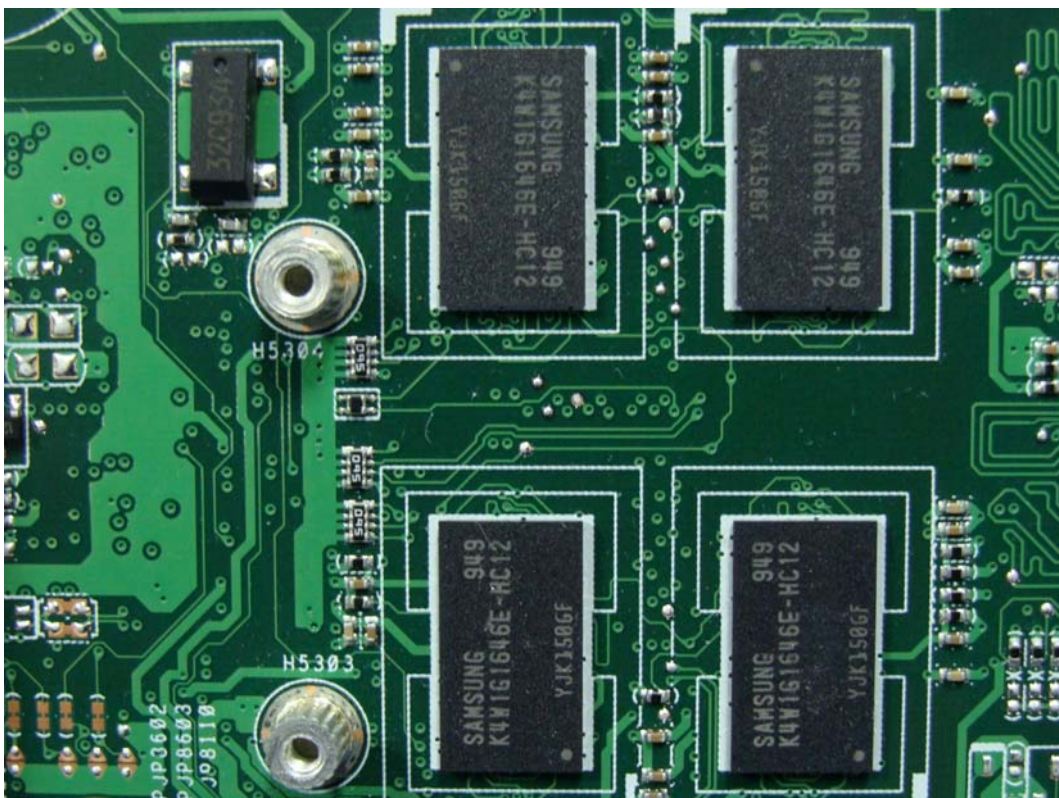
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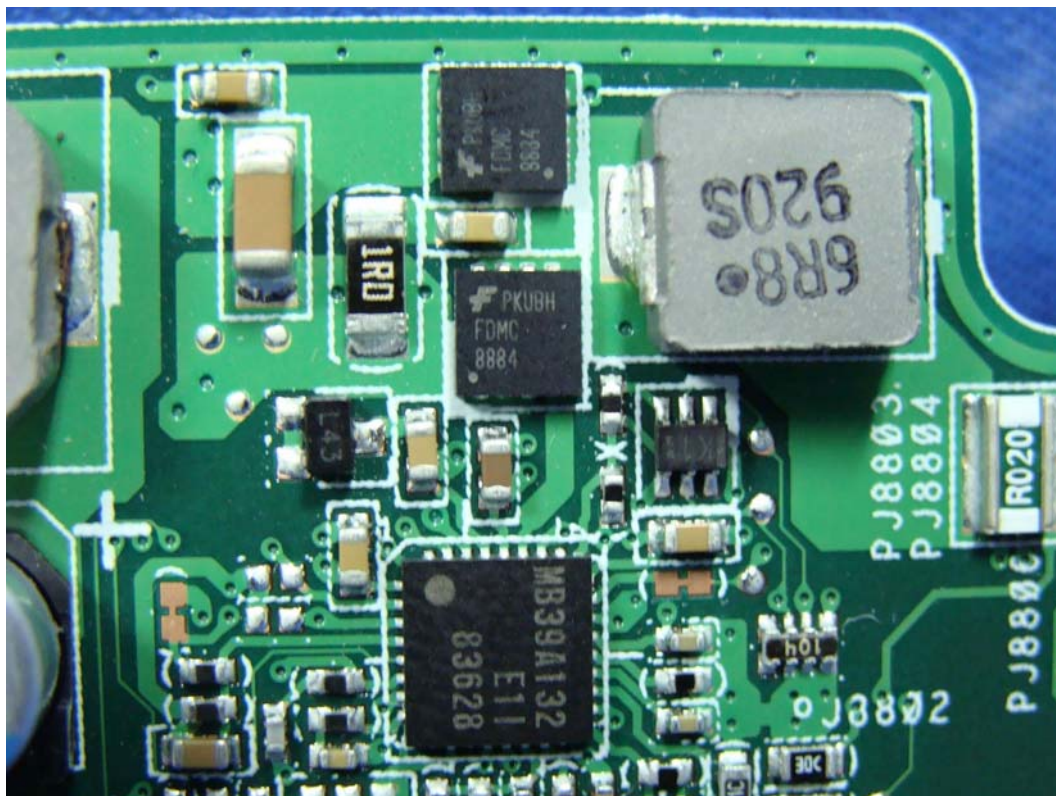
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(44) EUT Photo



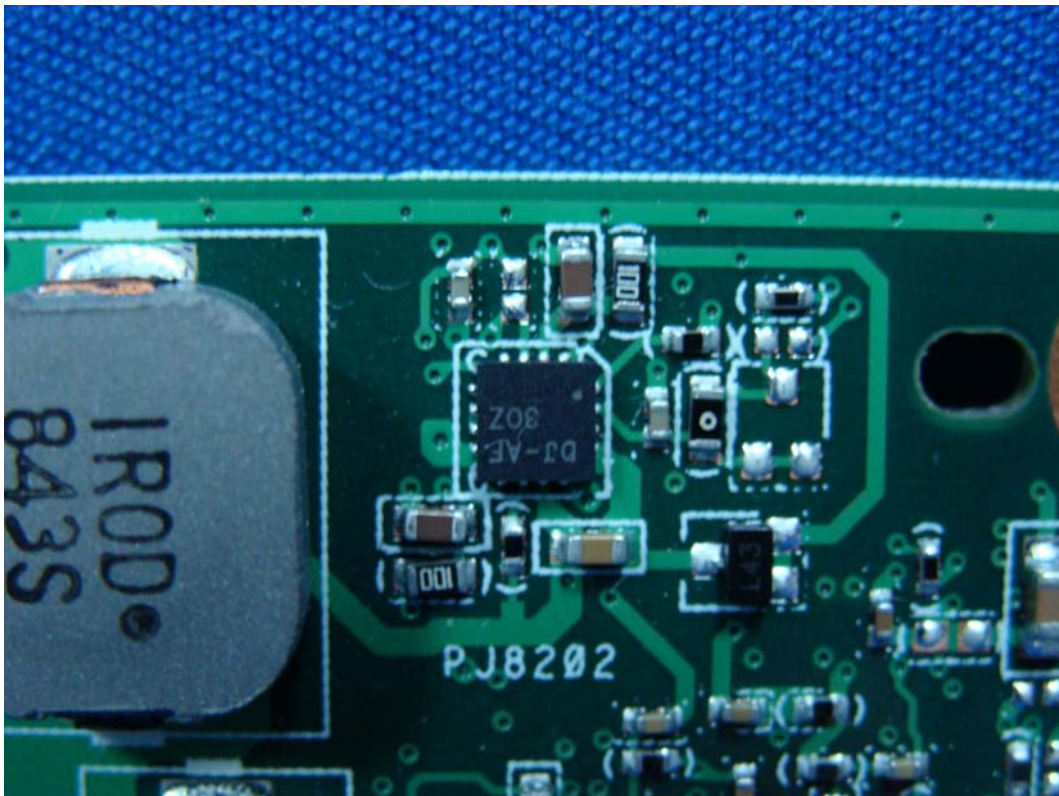
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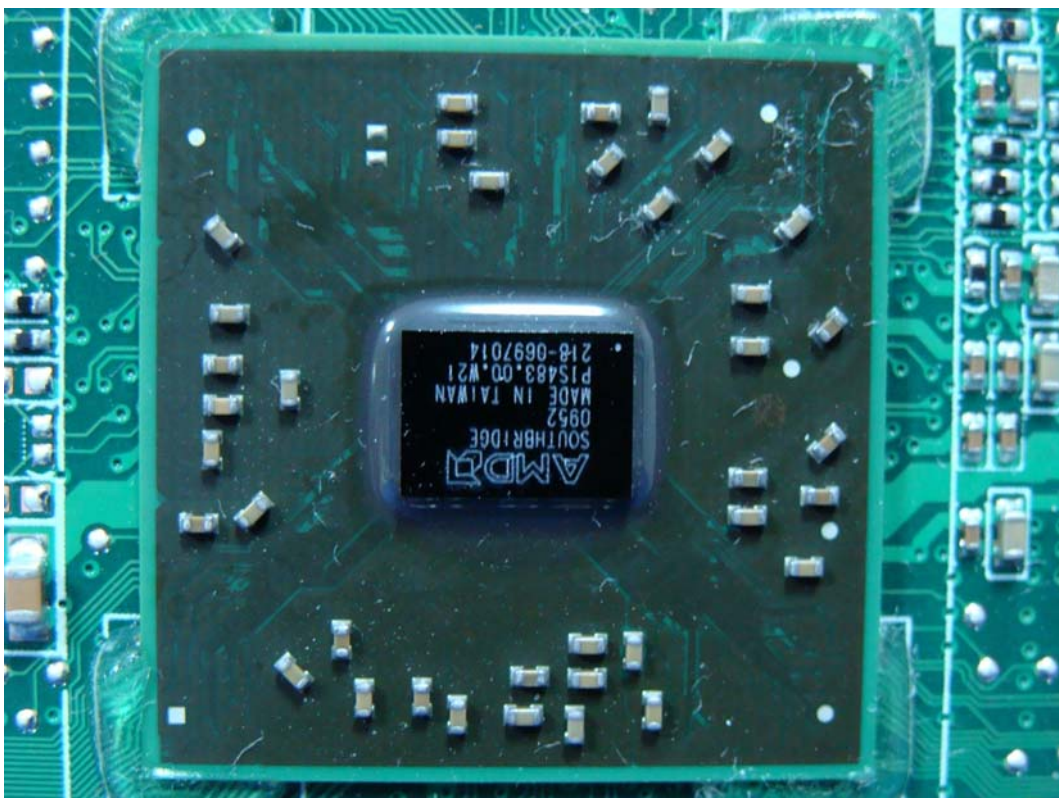
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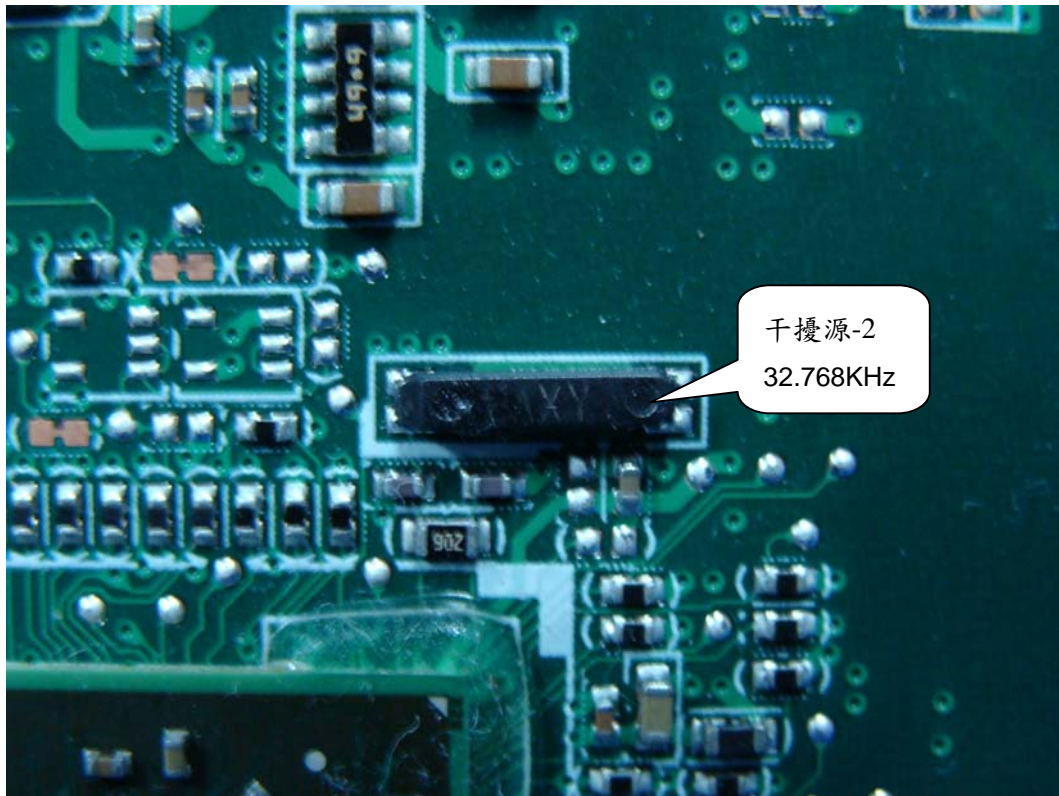
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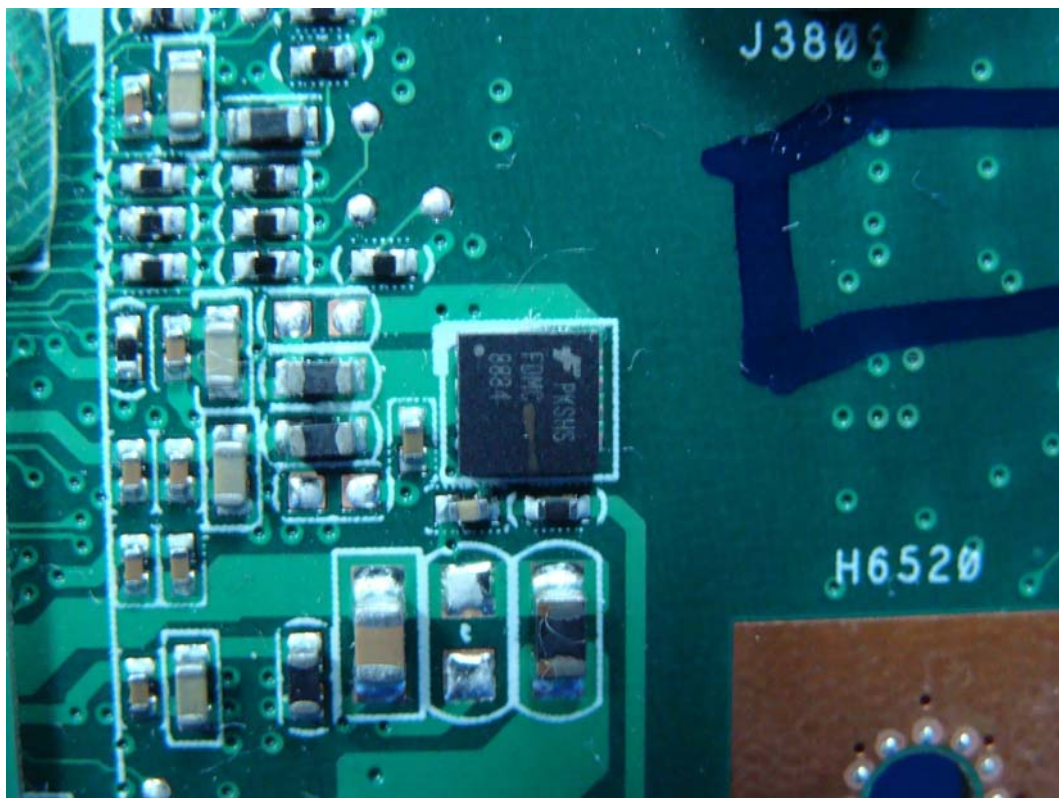
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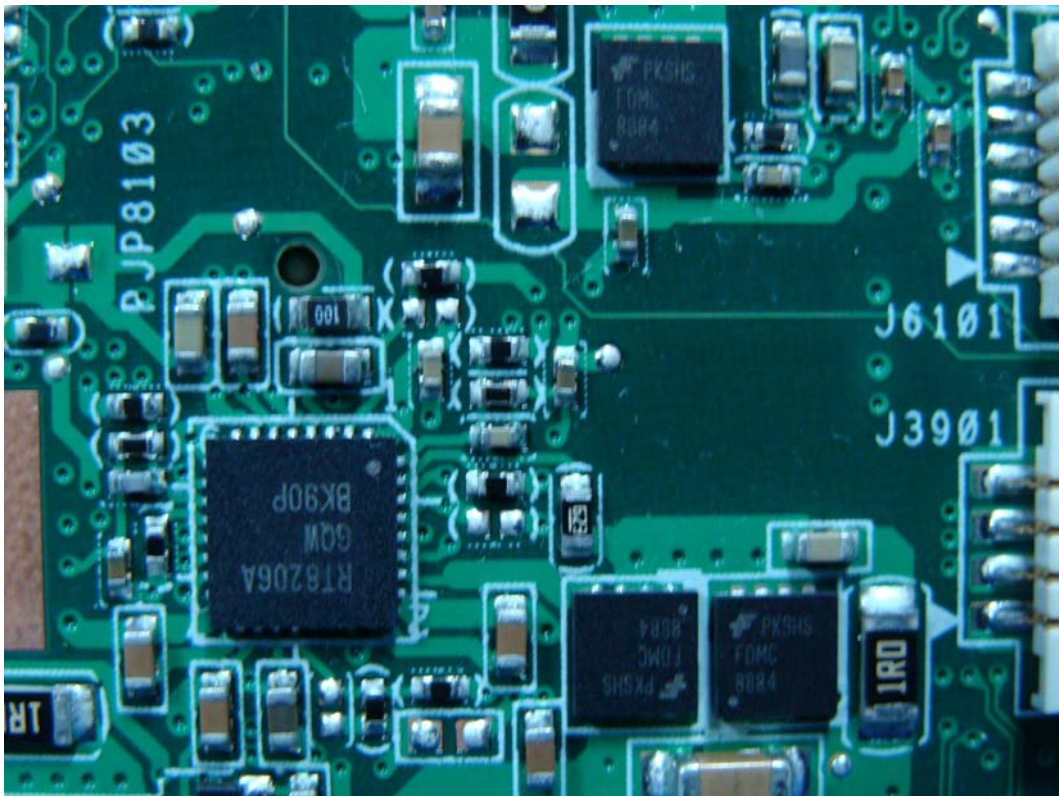
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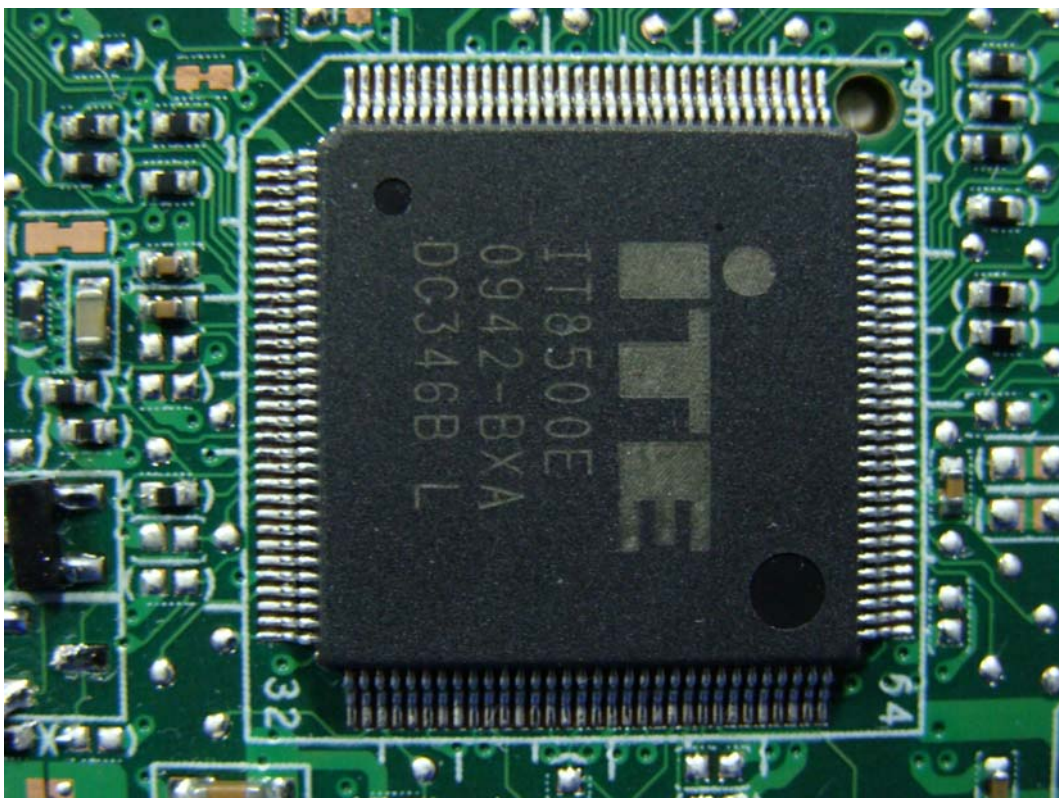
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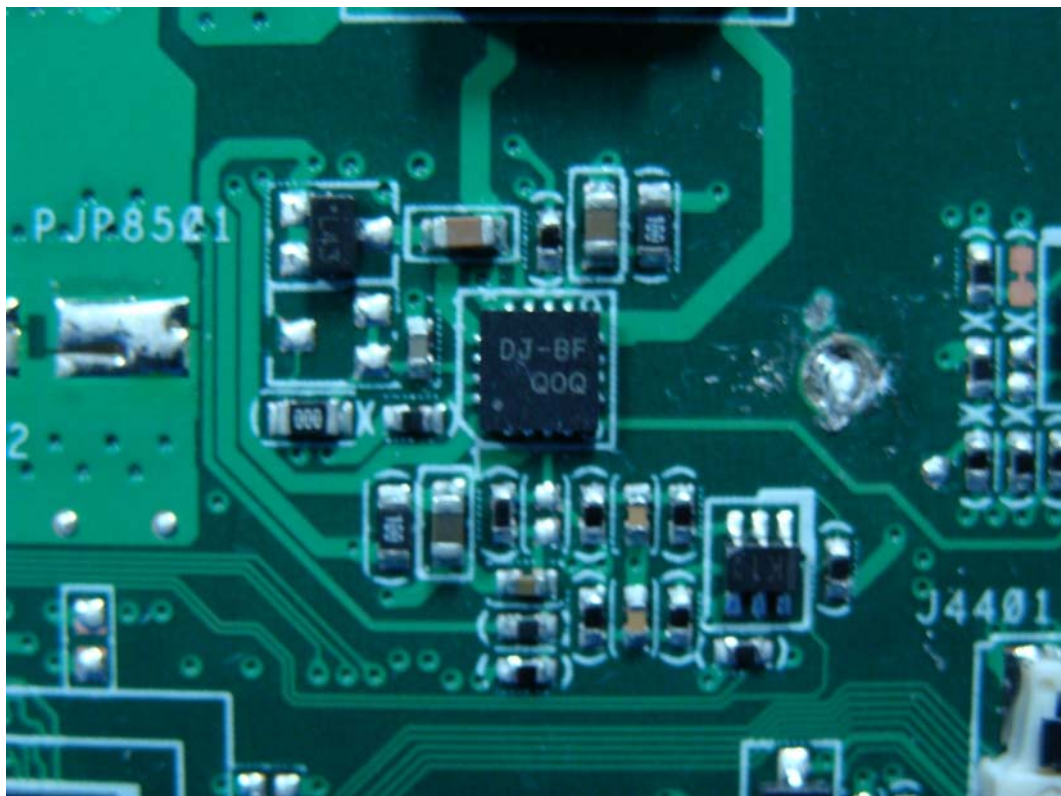
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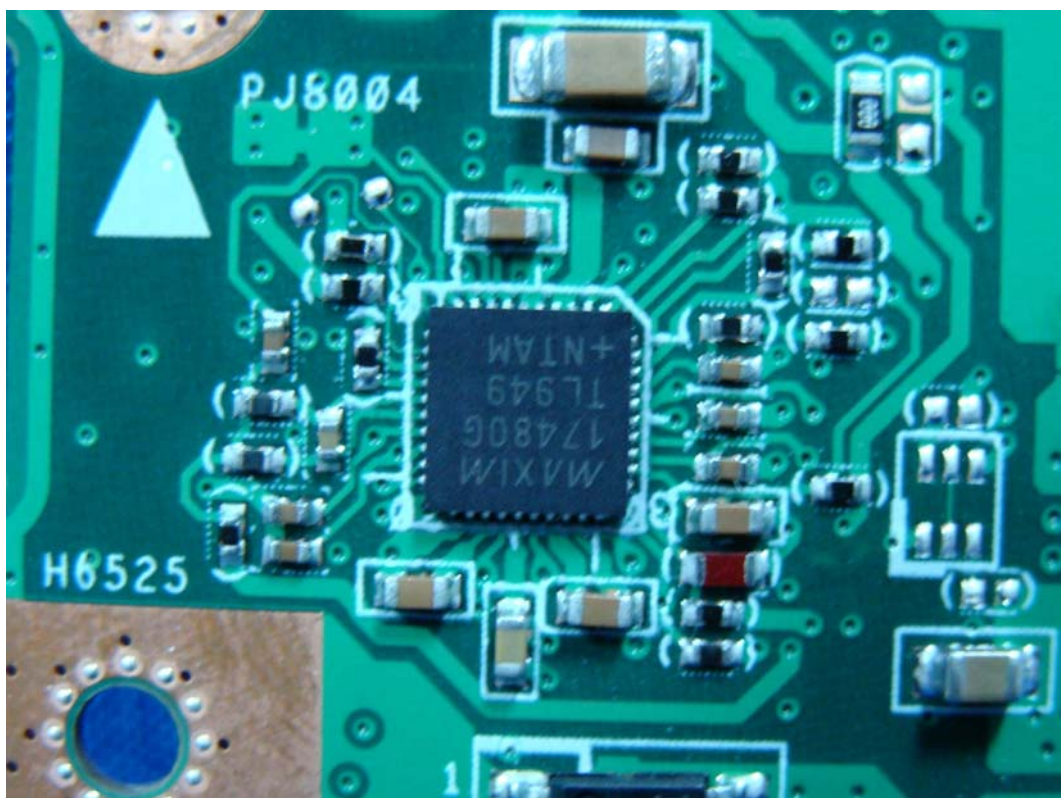
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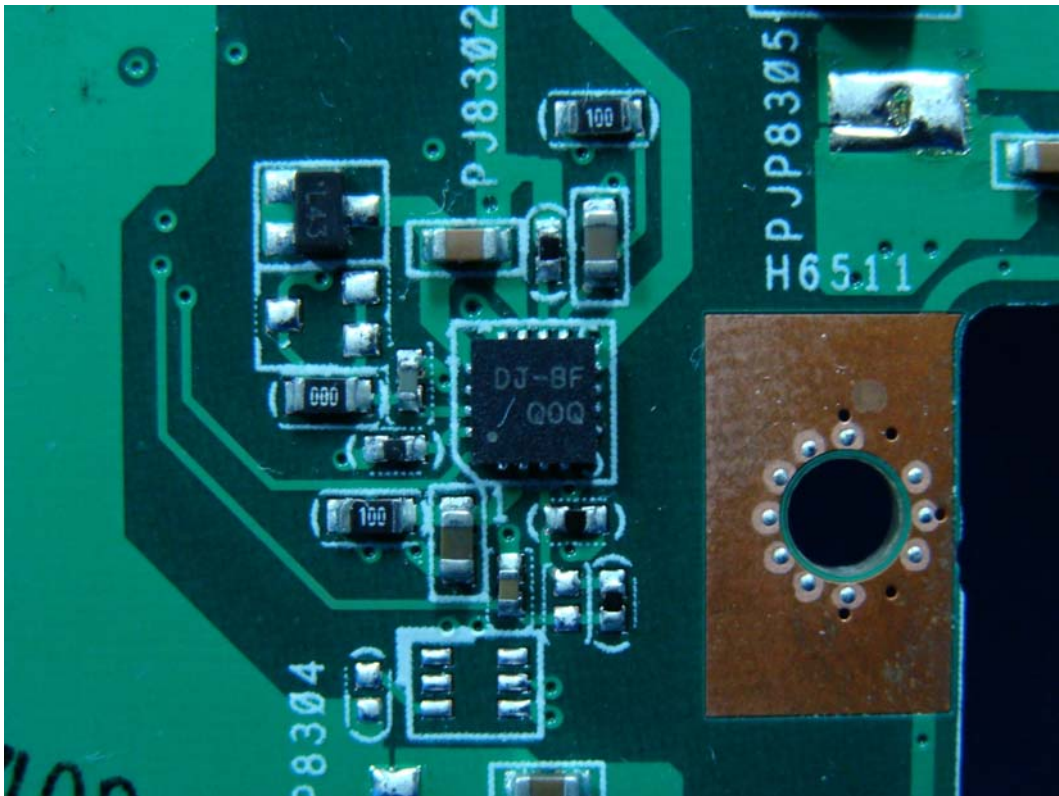
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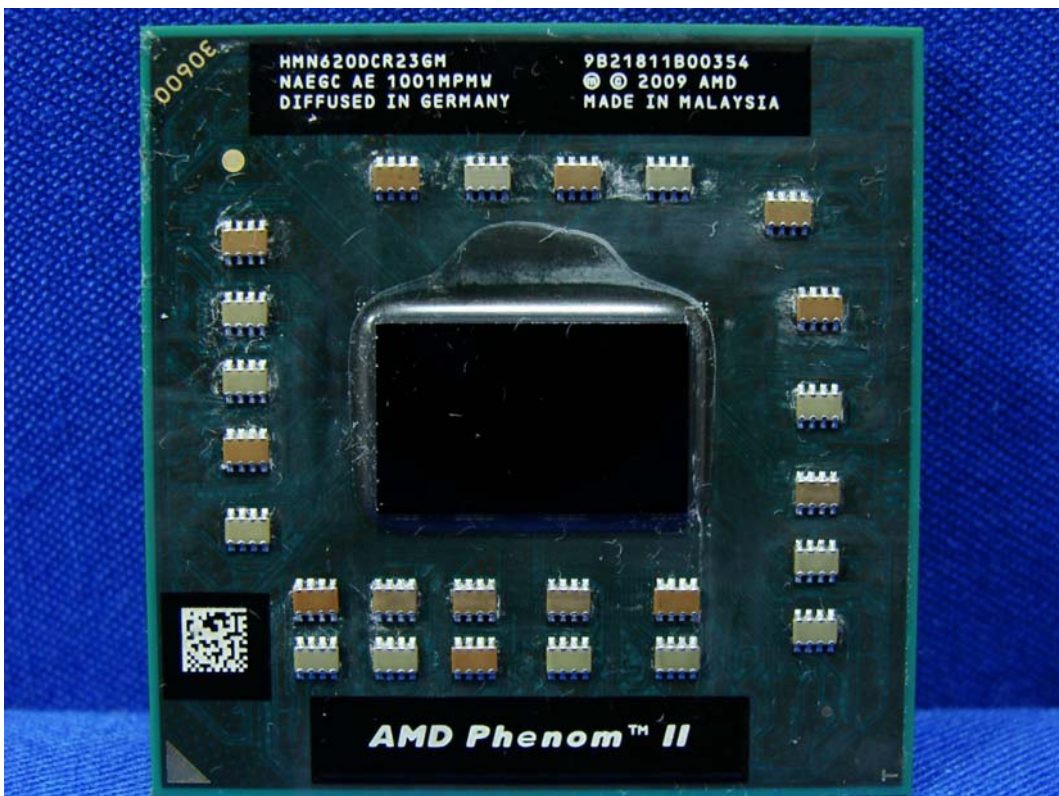
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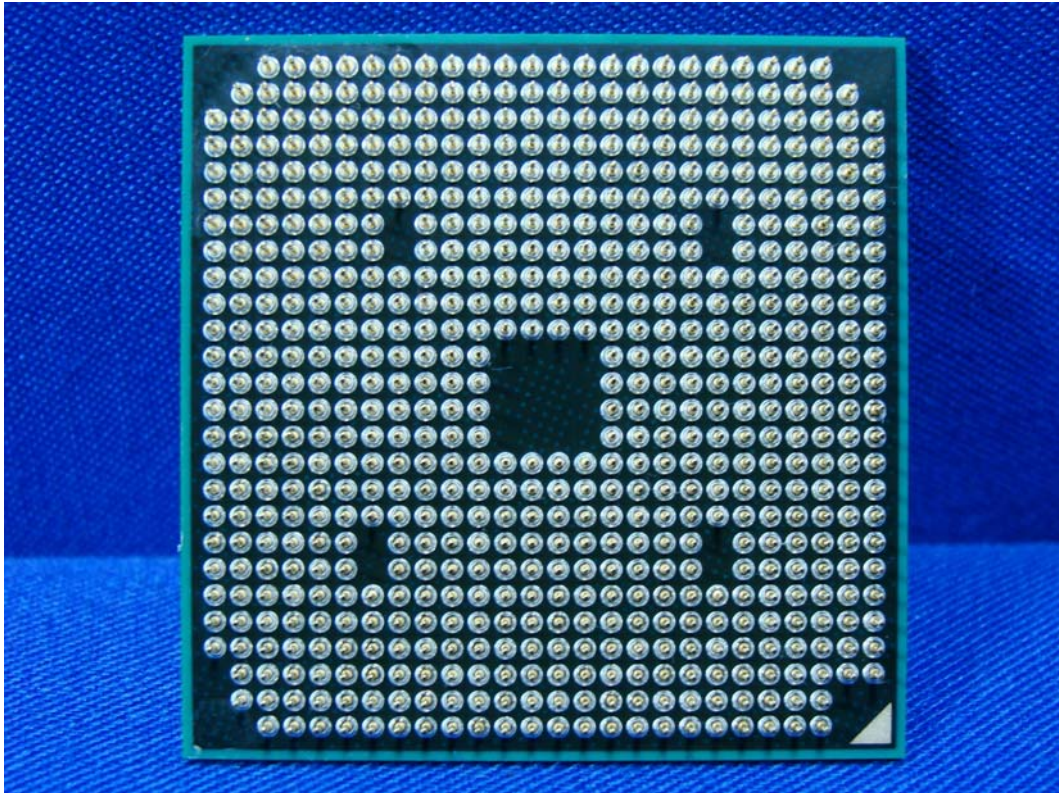
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(56) EUT Photo



(57) EUT Photo



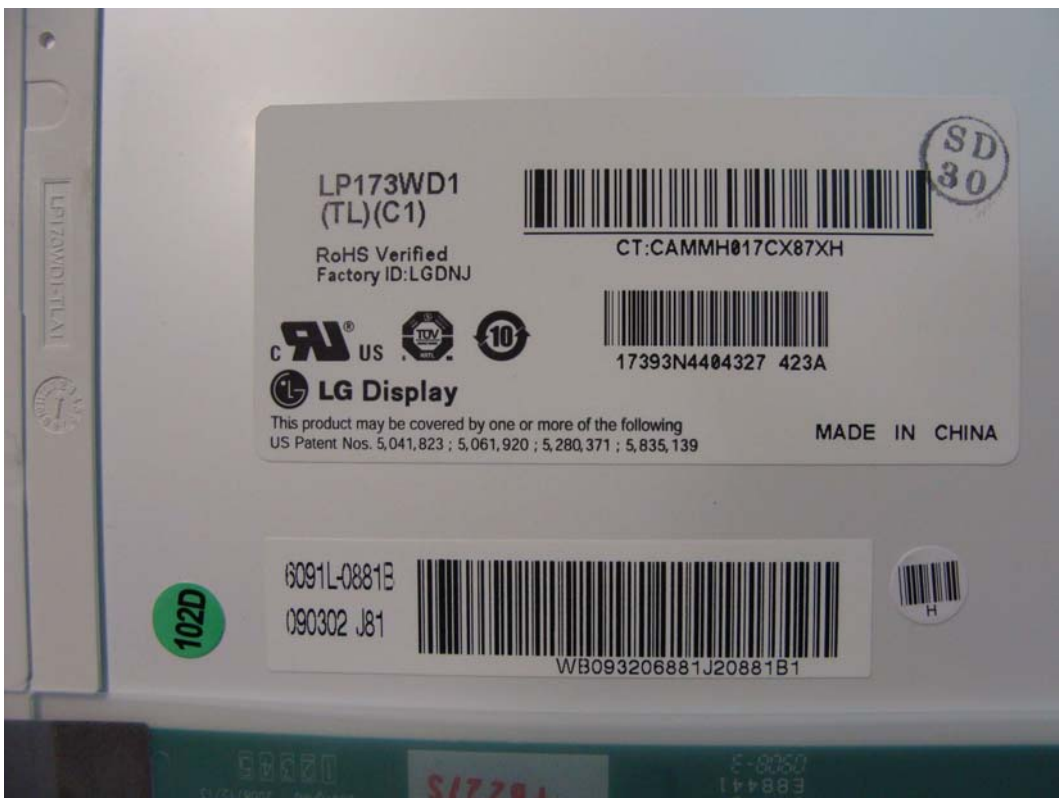
(58) EUT Photo



(59) EUT Photo



(60) EUT Photo



(61) EUT Photo



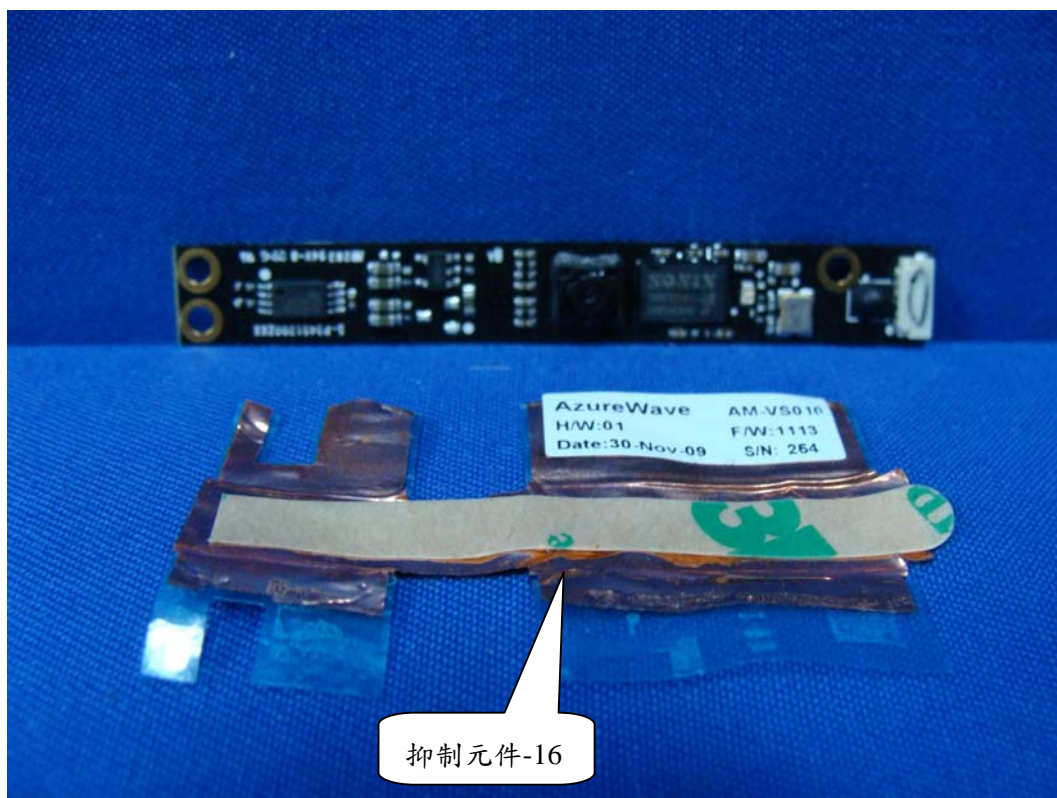
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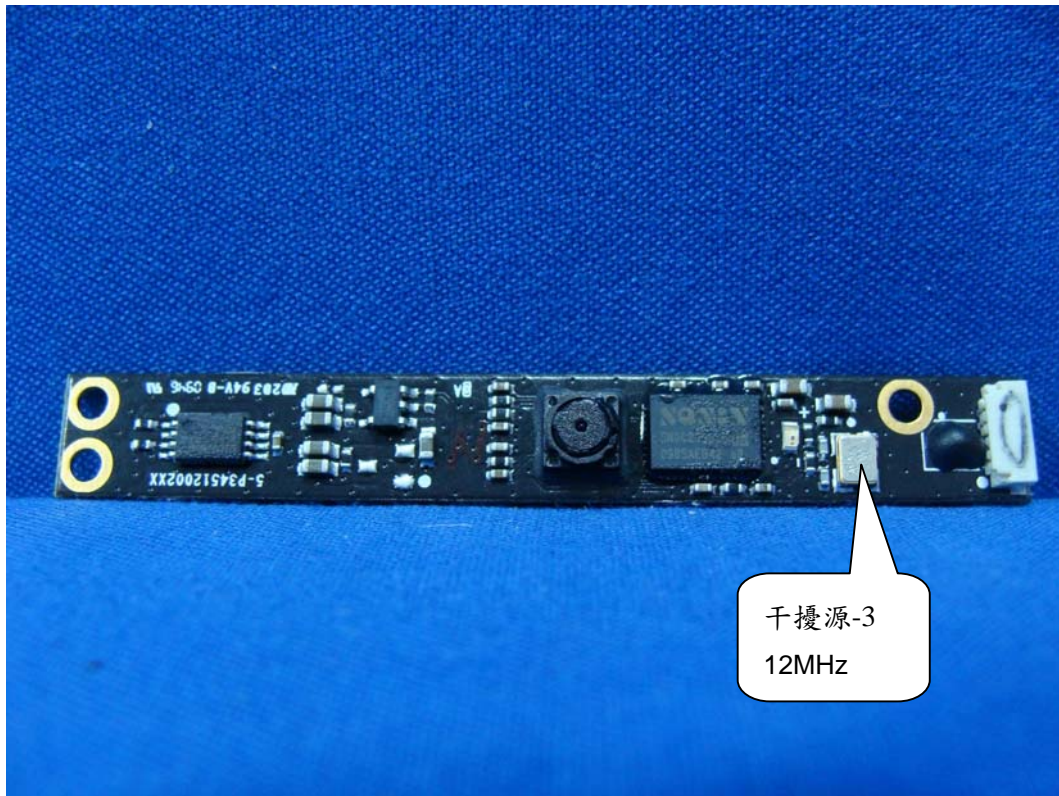
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(64) EUT Photo



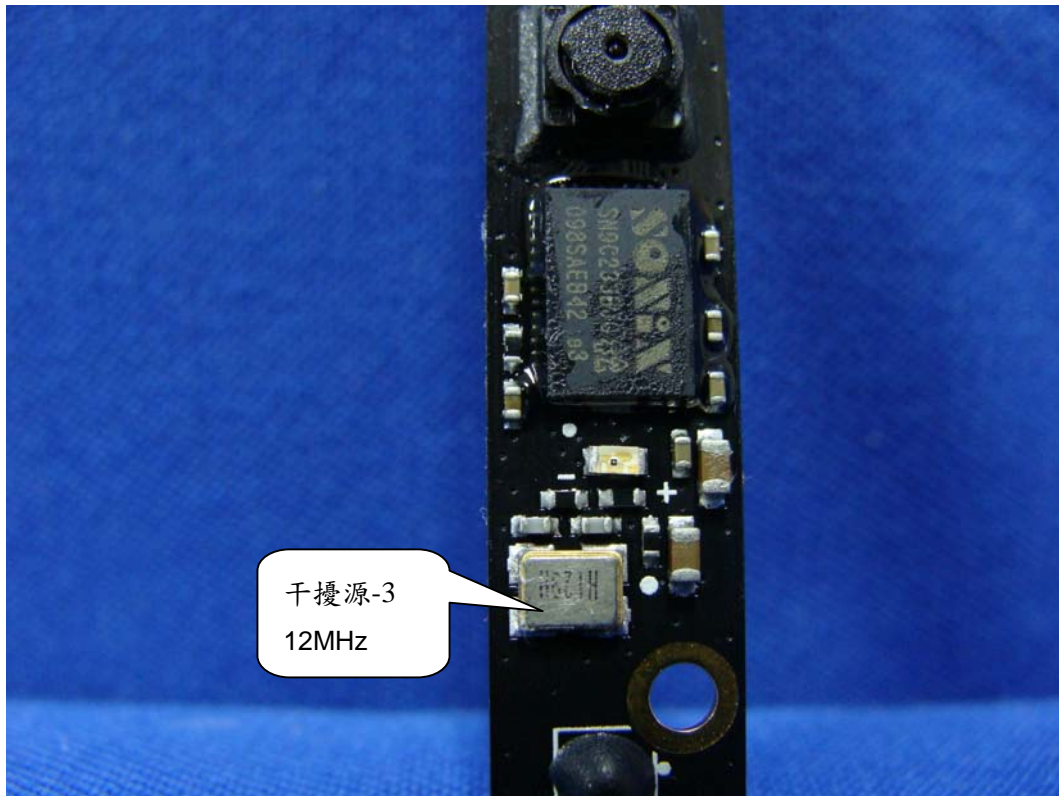
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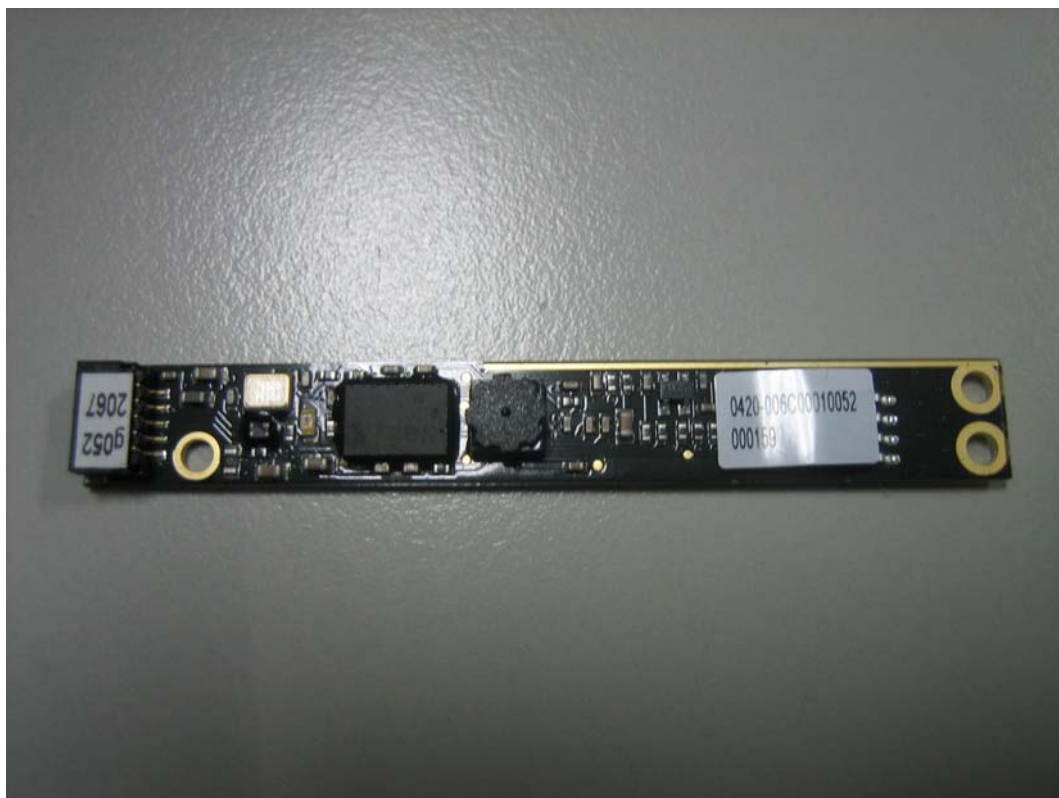
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(67) EUT Photo



(68) EUT Photo



(69) EUT Photo



(70) EUT Photo



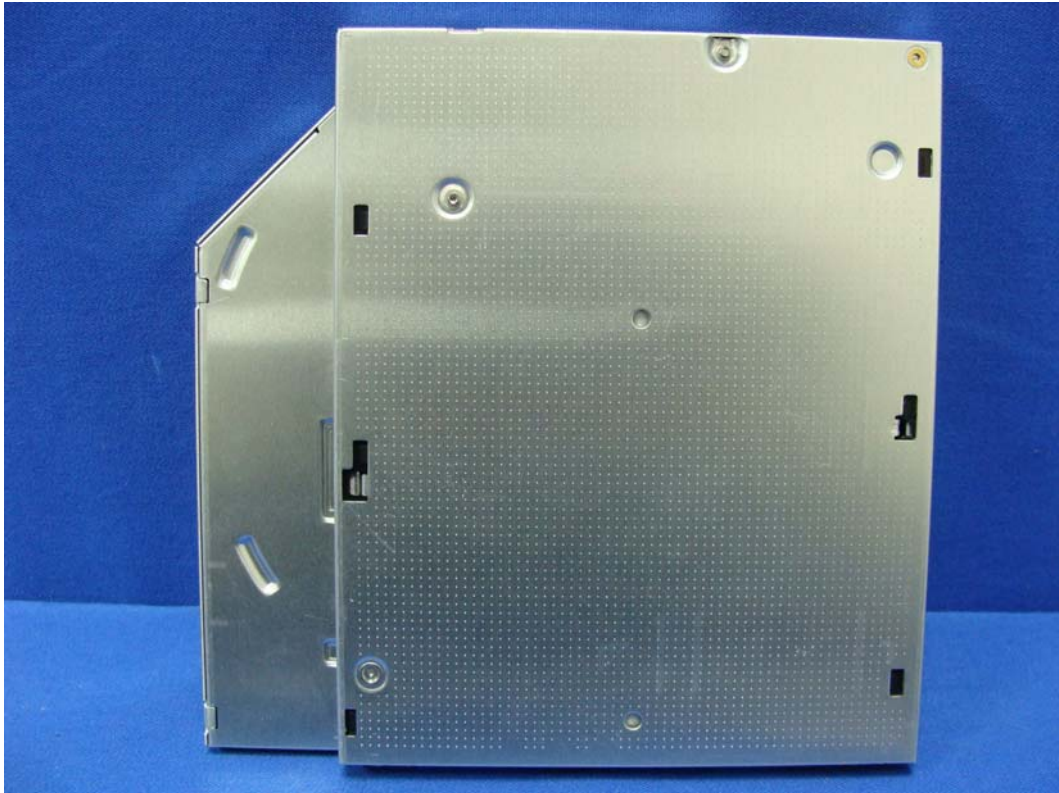
(71) EUT Photo



(72) EUT Photo



(73) EUT Photo



(74) EUT Photo



(75) EUT Photo



(76) EUT Photo



(77) EUT Photo



(78) EUT Photo



(79) EUT Photo



(80) EUT Photo



(81) EUT Photo



(82) EUT Photo



(83) EUT Photo



(84) EUT Photo



(85) EUT Photo



(86) EUT Photo



(87) EUT Photo



(88) EUT Photo



(89) EUT Photo



(90) EUT Photo



(91) EUT Photo



EMI 干擾源抑制元件一覽表

干擾源一覽表

編碼	位置	零件名稱	製造廠商	規格/型號	數量	頁碼
1	主板(K72DR)	振盪器	TXC	25MHz	1	P23 圖 46
2	主板(K72DR)	振盪器	TXC	32.768KHz	1	P25 圖 49
3	CAMERA	振盪器	TXC	12MHz	2	P 33 圖 65 P 34 圖 67

抑制元件一覽表

編碼	位置	零件名稱	製造廠商	規格/型號(mm)	數量	頁碼
1	A 件	鋁箔	萊爾德	400*240	1	P 5 圖 10
2	A 件	銅箔	萊爾德	23*20	2	P 6 圖 11 P 6 圖 12
3	D 件	鋁箔	萊爾德	32*10	1	P 11 圖 22
4	D 件	鋁箔	萊爾德	71*20	1	P 12 圖 23
5	D 件	鋁箔	萊爾德	32*15	1	P 12 圖 24
6	D 件	鋁箔	萊爾德	43*10	1	P 13 圖 25
7	D 件	鋁箔	萊爾德	45*10	1	P 13 圖 26
8	D 件	鋁箔	萊爾德	100*13	1	P 14 圖 27
9	C 件	鋁箔	萊爾德	405*55	1	P 8 圖 16
10	C 件	鋁箔	萊爾德	180*90	1	P 9 圖 17
11	C 件	鋁箔	萊爾德	90*13	1	P 9 圖 18
12	C 件	鋁箔	萊爾德	148*126	1	P 10 圖 19
13	小板 USB PORT	導電泡綿	萊爾德	28*10*2	1	P 14 圖 28
14	小板 USB PORT	導電泡綿	萊爾德	23*10*1	1	P 15 圖 29
15	散熱片	導電泡綿	萊爾德	60*8*3	1	P 17 圖 34
16	AZUREWAV CAMERA	銅箔	萊爾德	45*22	1	P 32 圖 64
17	ADAPTOR Delta, ADP-90CD CB	CORE	聯磁	23*15*7	1	P 42 圖 84
18	ADAPTOR Liteon, PA-1900-36	CORE	聯磁	27*13*8	1	P 44 圖 87
19	ADAPTOR ENERTRONIX/ EXA0904YH	CORE	聯磁	23*15*7	1	P 45 圖 89

登 錄 號 碼 的 樣 式 及 位 置

型 號: K72D, X72D, A72D, PRO7AD



1. 登錄號碼擺放位置如上圖照片 Label here 所示，標籤樣式如下方所示。
2. Label 之標籤樣式為直徑 10mm。



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