

TESTING CERTIFICATE

EMC Compliance Ltd.

65, Sinwon-ro, Yeongtong-gu, Suwon-si,
Gyeonggi-do, 443-390, Korea
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Certificate No.: EMC-CE-4710

Page(1) / (44) Pages

**1. Applicant**

Name: Samsung Techwin Co., Ltd.
Address: 84, Jeongdong-ro, Seongsan-gu, Changwon-si,
Gyeongsangnam-do, Korea
Date of Receipt: March 04, 2014

2. Manufacturer

Name#1: Samsung Techwin Co., Ltd.
Name#2: TIANJIN SAMSUNG TECHWIN
OPTO-ELECTRONIC CO., LTD

3. Use of Report:

Completed report

4. Test Sample:

Digital Video Recorder, SRD-876DP

5. Date of Test:

March 13 ~ 17, 2014

6. Test method used:

AS/NZS CISPR 22:2009+A1:2010, Class A

7. Testing Environment:

Temperature: $(20.15 \pm 0.15) ^\circ\text{C}$,
Relative Humidity: $(28.75 \pm 1.05) \% \text{ R.H.}$

8. Test Results:

Refer to page 13 ~ page 24
(Measurement uncertainty: Refer to page 6)

This result shown in this report refer only to the sample(s) tested unless otherwise stated.

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EMC Compliance Laboratory.

Affirmation	Tested by	Technical Manager
	 Name: PARK, GUN-SU	 Name: YEOM, HAN-SEOK

The above test certificate is the accredited test results by Korea Laboratory Accreditation Scheme, which signed the ILAC-MRA.

2014. 03. 21

EMC Compliance Ltd.

Accredited by KOLAS, Republic of KOREA

[EMC- TI-T004-001/3]

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1. Applicant information

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Contact name: **Kang Jei Soon**

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Manufacturer#2: TIANJIN SAMSUNG TECHWIN OPTO-ELECTRONIC CO., LTD
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2. Laboratory information

Address

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Telephone Number: 82 31 336 9919

Facsimile Number: 82 505 299 8311

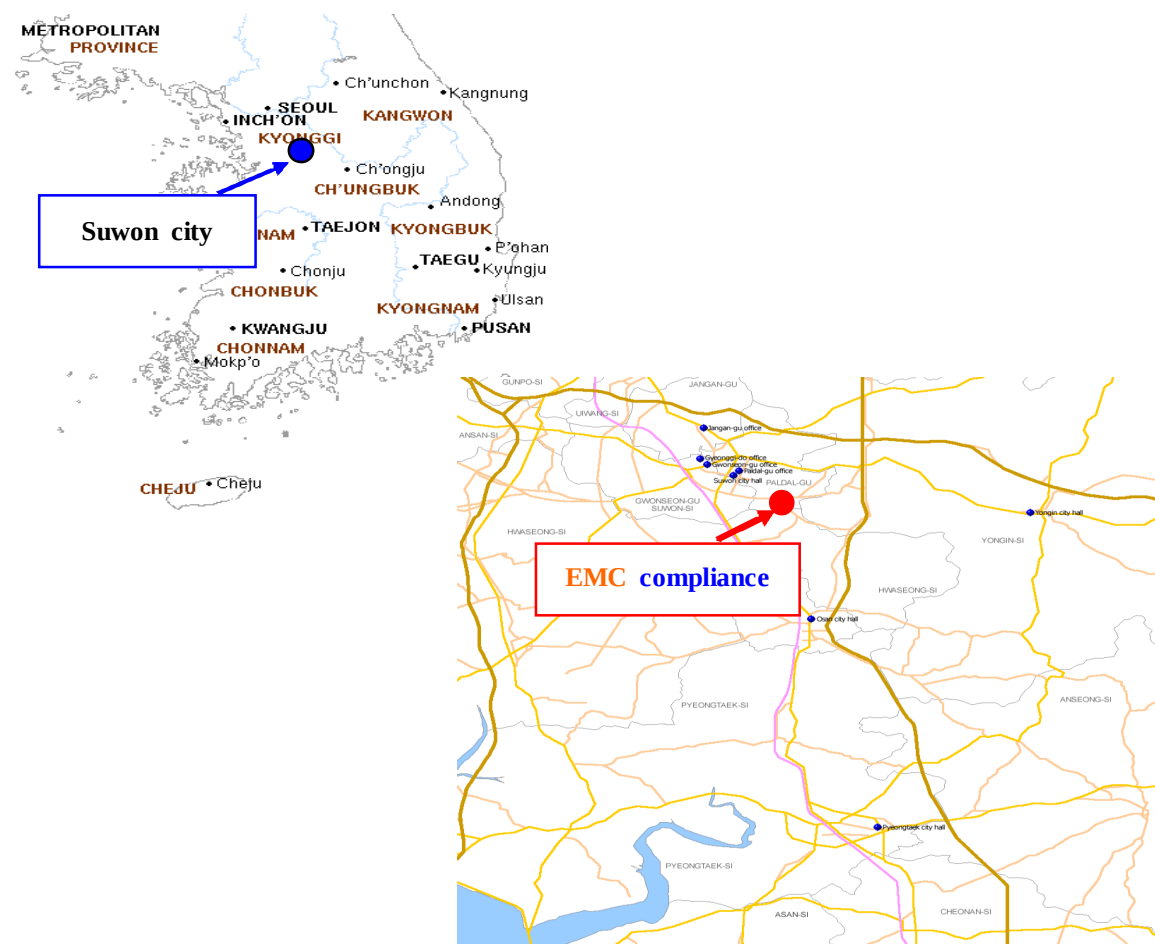
FCC CAB.: KR0040

VCCI Registration No. : R-3327, G-198, C-3706, T-1849

Industry Canada Registration No.: 8035A

KOLAS NO.: 231

SITE MAP



3. Test system configuration

3.1 Operation environment

	Temperature	Humidity	Pressure
Chamber(10 m)	: 20.3 °C	29.8 % R.H.	-
Shielded room(CE)	: 20.0 °C	27.7 % R.H.	-

Test site

These testing items were performed following locations;

Test item	Test site
Conducted Emission	Shielded Room
Radiated Emission	10 m Chamber

3.2 Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC.

The factors contributing to uncertainties are test receiver, cable loss, antenna factor calibration, Antenna directivity, antenna factor variation with height, antenna phase center variation, antenna frequency interpolation, measurement distance variation, site imperfection, mismatch, and system repeatability. Based on CISPR 16-4-2, the measurement uncertainty level with a 95 % confidence level was applied.

Conducted emission measurement (C.L: Approx 95 %, k = 2)		
Shielded Room (CE#1)	9 kHz ~ 150 kHz: ± 3.82 dB	
	150 kHz ~ 30 MHz: ± 3.43 dB	
Shielded Room (CE#2)	9 kHz ~ 150 kHz: ± 3.82 dB	
	150 kHz ~ 30 MHz: ± 3.43 dB	
Shielded Room (CE#3)	9 kHz ~ 150 kHz: ± 4.00 dB	
	150 kHz ~ 30 MHz: ± 3.63 dB	
Radiated Emission measurement (C.L: Approx 95 %, k = 2)		
10 m Chamber (#F4)	30 MHz ~ 300 MHz	3 m: + 4.56 dB, - 4.58 dB 10 m: + 4.56 dB, - 4.56 dB
	300 MHz ~ 1 000 MHz	3 m: + 4.84 dB, - 4.85 dB 10 m: + 4.71 dB, - 4.72 dB
	1 GHz ~ 6 GHz	3 m: + 6.19 dB, - 6.20 dB
10 m Chamber (#F2)	30 MHz ~ 300 MHz	3 m: + 4.86 dB, - 4.88 dB 10 m: + 4.86 dB, - 4.86 dB
	300 MHz ~ 1 000 MHz	3 m: + 4.98 dB, - 4.99 dB 10 m: + 4.85 dB, - 4.87 dB
	1 GHz ~ 6 GHz	3 m: + 6.19 dB, - 6.20 dB

4. Description of E.U.T.

4.1 General information

SRD-876DP		
Video	Inputs	8 composite video 0.5~1 Vpp, 75 ohm automatic termination
	Resolution	1280x480 NTSC, 1280x576 PAL / 720x480 NTSC, 720x576 PAL
Live	Frame rate	240fps NTSC, 200fps PAL
	Resolution	1280x480 NTSC, 1280x576 PAL, 704x480 NTSC, 704x576 PAL
	Multi Screen display	1/4/6/8/SEQUENCE/PIP
Performance		
Operating System	Embedded	Linux
Recording	Compression	H.264
	Record Rate	NTSC: Up to 240fps @ 1280x480 / PAL: Up to 200fps @ 1280x576
		NTSC: Up to 240fps @ 704x480 / PAL: Up to 200fps @ 704x576
		NTSC: Up to 240fps @ 704x240 / PAL: Up to 200fps @ 704x288
		NTSC: Up to 240fps @ 352x240 / PAL: Up to 200fps @ 352x288
	Mode	NTSC: Manual, Schedule (Continuous/Event), Event(Pre/Post), Time lapse (1~30 fps)
	Event	PAL: Manual, Schedule (Continuous/Event), Event(Pre/Post), Time lapse (1~25 fps)
	Overwrite modes	Video Loss, Motion(Level 1~10), Alarm, Tampering(Level 1~3)
	Pre-alarm	Continuous
	Post-Alarm	Up to 30 sec (5,10,20,30 Sec)
	Search mode	Up to 6 hour (5,10,20,30 sec,1.3,5,10,20 min,1.2,3,4,5,6 hour)
Search & Playback	Search mode	Date/time, Event, Back up, Pos, Motion (* All Search Included Preview Function)
	Playback function	Fast Forward/Backward (x2,x4,x8,x16,x32,x64) * Backward Play with I-frame Only, Slow Forward/Backward (x1/2,x1/4,x1/8) * Backward Play with I-frame Only, Step Forward/Backward
Network (IPv4)	Transmission speed	Option 1) 1280H/4CIF/2CIF/CIF(240fps NTSC, 200fps PAL)
	Bandwidth	Option 2) 4CIF/2CIF/CIF(120/240/240fps NTSC, 100/200/200fps PAL)
	Bandwidth control	Up to 32Mbps
	Stream	Selectable
	Remote users Maximum	H.264(4CIF/2CIF/CIF Selectable)
	Protocol support	Search(3)/Live Unicast(10)/Live Multicast(20)
Smart phone	Monitoring	TCP/IP,DHCP,PPPoE,SMTP,NTP,HTTP,DDNS,RTP,RTSP,SNMP
	Platform	Smart viewer,Web viewer, SSM(CMS)
	Protocol support	Android, iOS
	Remote users Maximum	RTP,RTSP,HTTP,CGI,HTTPS
Storage	Internal HDD	Live(4), Search(1)
	External (e-SATA Interface)	Up to 4 SATA HDDs
	DVD Writer (Back-up)	Up to 2 expansion bay (* Model: SVS-5R/5E)
	USB (Back-up)	YES
	File Format (Back-up)	2 USB Ports
Security	Password Protection	BU(DVR Player), EXE(Include Player), AVI
	Data Authentication	1 Admin, 10 Group, 10 User per 1 Group
Interface		
Monitors	VGA	Watermark
	HDMI	1 VGA (1280x720, 1280x1024, 1920x1080)
	Main Composite	1 HDMI (1280x720, 1280x1024, 1920x1080)
	Spot(Composite)	N/A
	Loop Outputs	Digital Spot (2CH) * Included OSD On Screen, Multi mode Support(1CH)
Audio	Inputs/Output	8CH
	Compression	8CH line in (Built in 4CH, Option : Audio Extension Cable)/ 1CH line out
	Sampling rate	G.711
Alarm	Inputs/Outputs	8KHz
	Remote notification	Terminal 8 Inputs (NO/NC) / Terminal 4 relay Outputs (NO/NC), Rating : 30V DC/2A, 250V AC/0.25A
Connections	Ethernet	Notification via e-mail
	Serial interface	1 RJ45 10/100/1000 Base-T
	USB	RS-232/RS-485(Full Duplex) for PTZ, Samsung System Keyboard
	e-SATA	USB 2.0, 2 ports
	Application Support	2 External SATA ports
	Protocol support	Mouse, Remote Controller
General		
Electrical	Input Voltage/Current	Samsung-F/Samsung-T/Pelco-D/Pelco-p/Panasonic/ Phillips/ AD/ DIAMOND/ ERNA/ KALATEL/ VCI
	Power consumption	PTZ Control via Coaxial Cable (Samsung CCVC, Pelco-C (Coaxitron))
Environmental	Operating Temperature/Humidity	100 to 240 VAC +10%; 50/60 Hz, Autoranging
Mechanical	Dimension (W x H x D)	Max. 60 W (with 1x HDD)
	Weight (With hard disks)	+0°C to +40°C (+32°F to +104°F) / 20% to 85% RH
	Rack mount kit	W440 x H88 x D384.8(17.32" x 3.46" x 15.15")
Language		6.81 kg (15.01 lb)
		2 FA
English, French, German, Spanish, Italian, Russian, Polish, Czech, Turkish, Netherlands Portuguese, Swedish, Danish, Rumania, Serbia, Croatia, Hungary, Greek, Finnish, Norwegian, Korean, Japanese, Chinese(Traditional), Thai, Taiwanese(25 Language)		

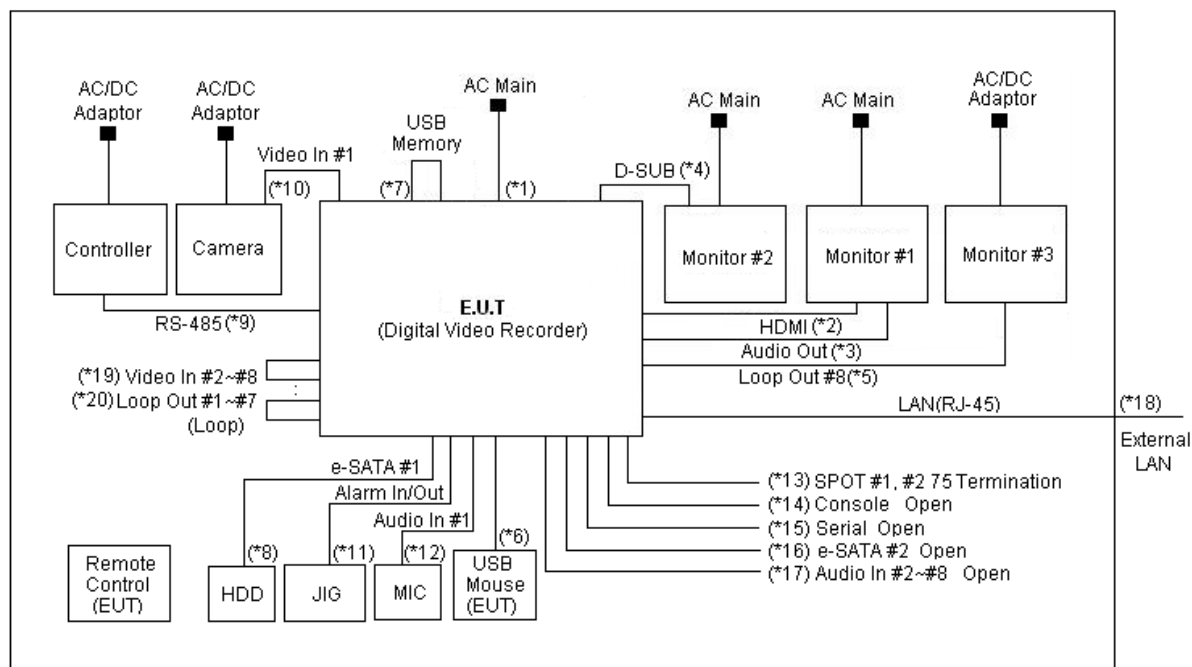
4.2 Product description

Type of product	Digital Video Recorder
Model name (Basic)	SRD-876DP
Model name (Variant)	SRD-876P, SRD-856P
Difference	-
Trade name	-
Serial no	Engineering Sample
Testing voltage	240 V, 50 Hz
Product rating	100-240 V, 50/60 Hz
Internal clock frequency	Above 108 MHz
Note	-

4.3 Auxiliary equipments

Type	Model / Part #	Serial number	Manufacturer
Monitor #1	PM24KO	ZQ9XH1HBA01776V	SAMSUNG
Monitor #2	LT24B350	ZWP0HMCD10771M	SAMSUNG
Monitor #3	SMT-2231P	YDQ03VDBB02500H	SAMSUNG
Camera	SCB-6000	C6PW6V3B80115Y	SAMSUNG
USB Memory(8GB)	JFV33	-	TRANSCEND
HDD	SP10	-	-
Controller	SCC-1000	EW089028913	SAMSUNG
JIG	-	-	-
MIC	-	-	-

4.4 Test configuration



Note *	Start		End		Cable	
	Name	I/O port	Name	I/O port	Length (m)	Spec.
1	EUT (Digital Video Recorder)	Power	AC Main	Power	1.2	Non-Shield
2		HDMI	Monitor #1	HDMI	1.0	Shield
3		Audio Out	Monitor #1	Audio In	3.0	Shield
4		D-SUB	Monitor #2	D-SUB	1.5	Shield
5		Loop Out #8	Monitor #3	Loop In	3.0	Shield
6		USB	USB Mouse(EU T)	USB	1.0	Shield
7		USB	USB Memory	USB	Direct	-
8		e-SATA #1	HDD	e-SATA #1	1.0	Non-Shield
9		RS-485	Controller	RS-485	3.0	Non-Shield
10		Video In #1	Camera	Video Out	3.0	Shield
11		Alarm In/Out	JIG	Alarm In/Out	3.0	Non-Shield
12		Audio In #1	MIC	Audio Out	3.0	Shield
13		SPOT #1, #2	75 Ω Termination	-	3.0	Shield
14		Console	Open	-	1.0	Non-Shield
15		Serial	Open	-	1.0	Shield
16		e-SATA #2	Open	-	0.5	Non-Shield
17		Audio In #2~#8	Open	-	3.0	Shield
18		LAN(RJ-45)	External LAN	LAN(RJ-45)	3.0	Non-Shield
19		Video In #2~#8	Loop	Loop Out #1~#7	1.0	Shield
20		Power	AC Main	Power	1.2	Non-Shield

4.5 Operating conditions

The EUT was configured as normal intended use.

Test mode	Normal operating
1	Monitoring Test.
	Audio In/Out Test.
	Alarm In/Out Test.
	Controller Test.
	Ping Test.

5. Summary of test results

5.1 Summary of EMI emission test results

Applied	Test items	Test method	Result
☒	Conducted Emission	AS/NZS CISPR 22:2009+A1:2010, Class A	12 Page ~ 18 Page
☒	Radiated Emission	AS/NZS CISPR 22:2009+A1:2010, Class A	19 Page ~ 24 Page

6. Test results

6.1 Conducted Emission

Test specification	AS/NZS CISPR 22:2009+A1:2010, Class A		
Testing voltage	240 V, 50 Hz		
Test facility	Shielded room (CE#1)		
Date	2014. 03. 13		
Temperature (°C)	20.0 °C	Humidity (% R.H.)	27.7 % R.H.
Remarks	Complied		

6.1.1 Limits of conducted emission measurement

☒ AC main

Frequency MHz	Class A $\text{dB}\mu\text{V}$		Class B $\text{dB}\mu\text{V}$	
	Quasi-peak	Average	Quasi-peak	Average
0.15 ~ 0.5	79	66	66 ~ 56 *	56 ~ 46*
0.5 ~ 5	73	60	56	46
5 ~ 30	73	60	60	50

*The limit decreases linearly with the logarithm of frequency.

☒ Telecommunication

Frequency MHz	Class A Voltage Limits $\text{dB}\mu\text{V}$		Current Limits $\text{dB}\mu\text{A}$	
	Quasi-Peak	Average	Quasi-Peak	Average
0.15 ~ 0.5	97 to 87	84 to 74	53 to 43	40 to 30
0.5 ~ 30	87	74	43	30
Frequency MHz	Class B Limits $\text{dB}\mu\text{V}$		Current Limits $\text{dB}\mu\text{A}$	
	Quasi-Peak	Average	Quasi-Peak	Average
0.15 ~ 0.5	84 to 74	74 to 64	40 to 30	30 to 20
0.5 ~ 30	74	64	30	20

* The limits decrease linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz

* The current and voltage disturbance limits are derived for use with an impedance stabilization Network (ISN) which presents a common mode (asymmetric mode) impedance of 150 Ω to the telecommunication port under test (conversion factor is $20 \log_{10} 150/I = 44 \text{ dB}$).

6.1.2 Measurement procedure

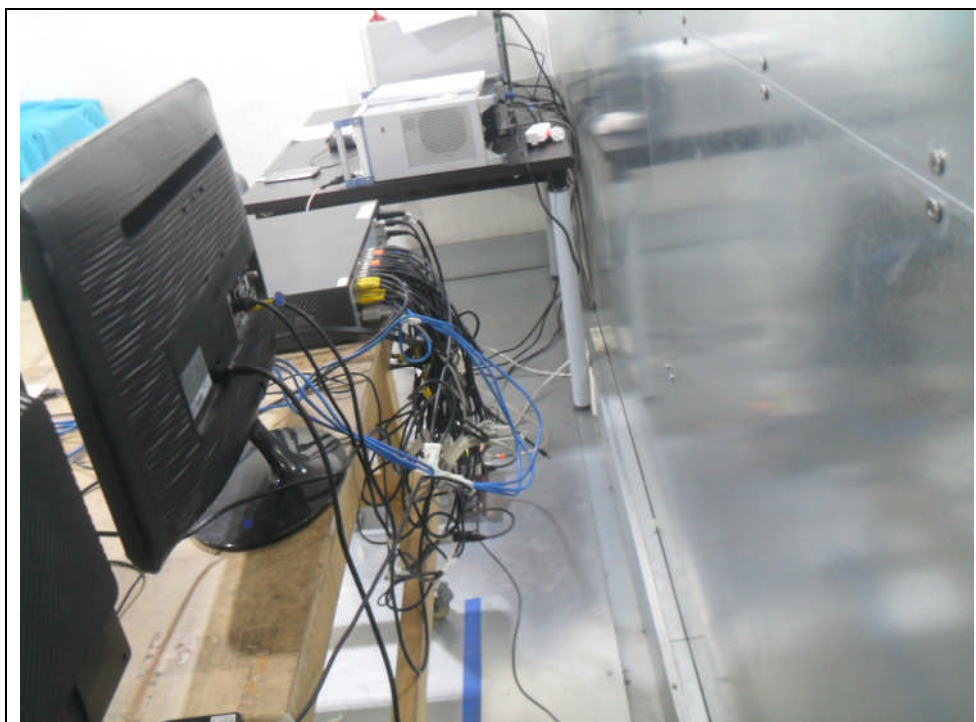
The measurements were performed in a shielded room. EUT was setup as shown in photograph and placed on a non-metallic table height of 0.8 m above the reference ground plane. The rear of table was located 0.4 m to the vertical conducted plane. EUT was power through the LISN, which was bonded to the ground plane. The LISN power was filtered. Each EUT power lead, except ground (safety) lead was individually connected through a LISN to input power source. EUT signal cables that hung closer than 0.4 m to the Horizontal metal ground 0.3 m ~ 0.4 m long. The power cord was bundles in the center. All peripheral equipment was powered from a sub LISN. The LISN and ISN were positioned 0.8 m from the EUT. Peak and Average detection were used in preliminary testing and Quasi-peak and Average detections were used at final measurement. Both lines of power cord, hot and neutral, were measured.

6.1.3 Used equipments

Equipment	Model	Serial No.	Makers	Next Cal. Date	Used
Test Receiver	ESCI7	100732	R&S	2015.01.27	☐
Test Receiver	ESCI	100001	R&S	2014.07.25	☒
Test Receiver	ESCI	100710	R&S	2014.10.28	☐
LISN	ENV216	101358	R&S	2014.10.04	☒
LISN	ESH3-Z5	100267	R&S	2014.07.08	☒
8-WIRE ISN	NTFM 8158 CAT5	CAT5-8158-0028	SCHWARZBECK	2014.04.13	☒
8-WIRE ISN	NTFM 8158 CAT3	CAT3-8158-0020	SCHWARZBECK	2014.04.13	☐
ISN	ST08	24342	TESEQ	2014.06.21	☐
ISN	ENY81	101545	R&S	2014.08.29	☐

6.1.4 Photographs of test setup

* AC Main

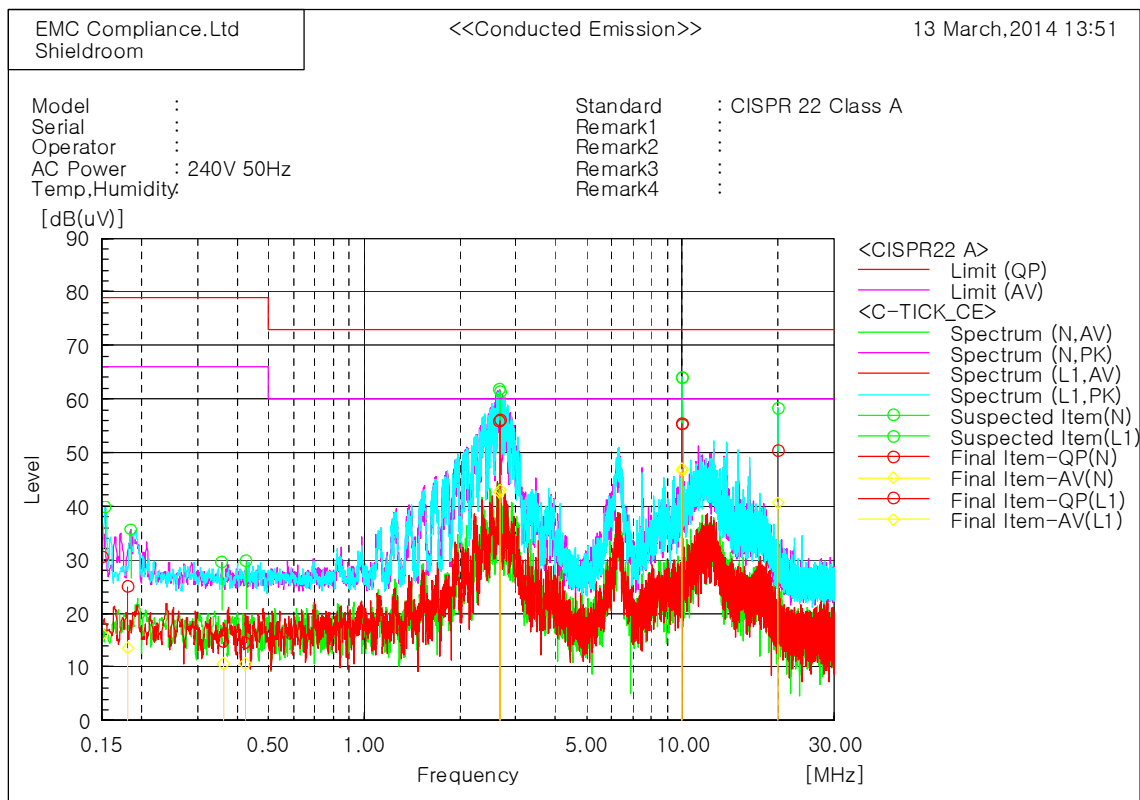


* Telecommunication



6.1.5 Conducted emission measurement result

* AC Main (SRD-876DP)



Final Result

--- N Phase ---

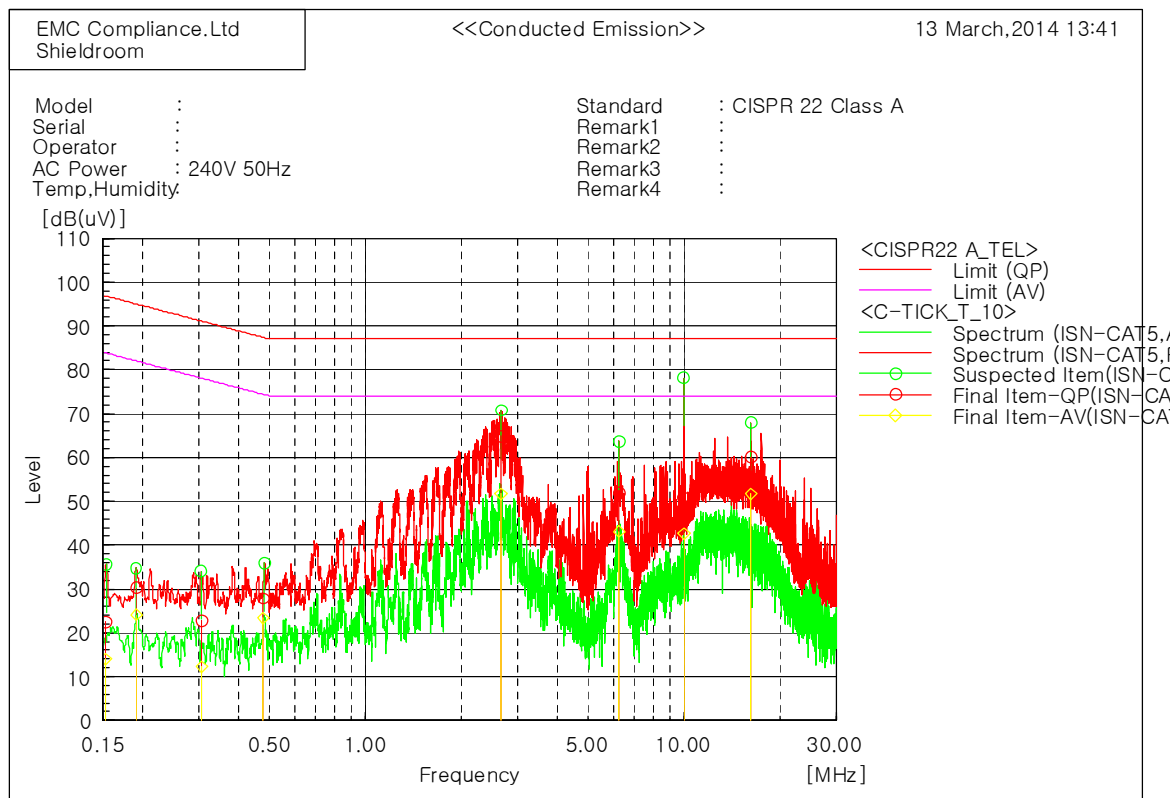
No.	Frequency [MHz]	Reading QP [dB(uV)]	Reading CAV [dB(uV)]	c. f [dB]	Result QP [dB(uV)]	Result CAV [dB(uV)]	Limit QP [dB(uV)]	Limit AV [dB(uV)]	Margin QP [dB]	Margin CAV [dB]
1	0.18125	15.0	3.5	10.0	25.0	13.5	79.0	66.0	54.0	52.5
2	0.36187	4.7	0.6	10.0	14.7	10.6	79.0	66.0	64.3	55.4
3	2.66809	46.1	32.8	9.7	55.8	42.5	73.0	60.0	17.2	17.5
4	9.9992	45.5	36.9	9.7	55.2	46.6	73.0	60.0	17.8	13.4

--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(uV)]	Reading CAV [dB(uV)]	c. f [dB]	Result QP [dB(uV)]	Result CAV [dB(uV)]	Limit QP [dB(uV)]	Limit AV [dB(uV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15069	20.5	6.1	10.0	30.5	16.1	79.0	66.0	48.5	49.9
2	0.42338	4.5	0.5	10.1	14.6	10.6	79.0	66.0	64.4	55.4
3	2.68157	46.4	33.3	9.7	56.1	43.0	73.0	60.0	16.9	17.0
4	9.99979	45.7	37.3	9.7	55.4	47.0	73.0	60.0	17.6	13.0
5	20.00034	40.4	30.7	9.9	50.3	40.6	73.0	60.0	22.7	19.4

* Telecommunication port

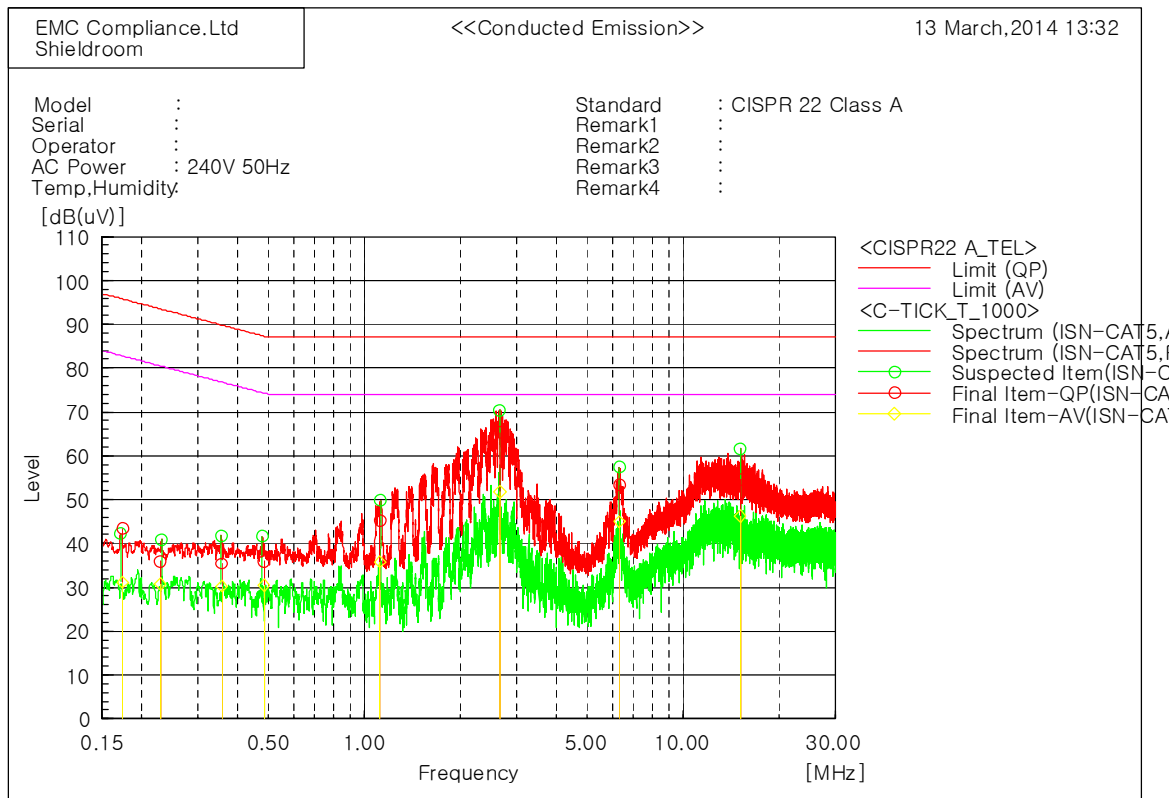
LAN Port (LCL 65 dB)_10 Mbps (SRD-876DP)



Final Result

--- CAT5 Phase ---										
No.	Frequency [MHz]	Reading QP [dB(uV)]	Reading CAV [dB(uV)]	c.f [dB]	Result QP [dB(uV)]	Result CAV [dB(uV)]	Limit QP [dB(uV)]	Limit AV [dB(uV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15335	12.1	3.6	10.4	22.5	14.0	96.8	83.8	74.3	69.8
2	0.19109	20.0	13.8	10.3	30.3	24.1	95.0	82.0	64.7	57.9
3	0.30694	12.7	2.2	10.1	22.8	12.3	91.1	78.1	68.3	65.8
4	0.47845	17.8	13.3	10.0	27.8	23.3	87.4	74.4	59.6	51.1
5	2.66596	55.2	42.0	9.7	64.9	51.7	87.0	74.0	22.1	22.3
6	6.25413	42.2	33.5	9.6	51.8	43.1	87.0	74.0	35.2	30.9
7	9.99948	41.2	33.0	9.6	50.8	42.6	87.0	74.0	36.2	31.4
8	16.24858	50.5	42.1	9.6	60.1	51.7	87.0	74.0	26.9	22.3

LAN Port (LCL 65 dB)_1000 Mbps (SRD-876DP)



Final Result

--- CAT5 Phase ---										
No.	Frequency	Reading QP	Reading CAV	c.f	Result QP	Result CAV	Limit QP	Limit AV	Margin QP	Margin CAV
	[MHz]	[dB(uV)]	[dB(uV)]	[dB]	[dB(uV)]	[dB(uV)]	[dB(uV)]	[dB(uV)]	[dB]	[dB]
1	0.17456	33.0	20.8	10.3	43.3	31.1	95.7	82.7	52.4	51.6
2	0.22912	25.8	20.5	10.2	36.0	30.7	93.5	80.5	57.5	49.8
3	0.35729	25.4	20.2	10.0	35.4	30.2	89.8	76.8	54.4	46.6
4	0.48333	26.0	20.5	10.0	36.0	30.5	87.3	74.3	51.3	43.8
5	1.121	35.5	26.0	9.8	45.3	35.8	87.0	74.0	41.7	38.2
6	2.6658	55.5	42.1	9.7	65.2	51.8	87.0	74.0	21.8	22.2
7	6.31796	43.7	35.4	9.6	53.3	45.0	87.0	74.0	33.7	29.0
8	15.1211	45.0	36.6	9.6	54.6	46.2	87.0	74.0	32.4	27.8

6.2 Radiated Emission

Test specification	AS/NZS CISPR 22:2009+A1:2010, Class A		
Testing voltage	240 V, 50 Hz		
Test facility	10 m Chamber (#F2)		
Test distance	10 m, 3 m		
Date	2014. 03. 17		
Temperature (°C)	20.3 °C	Humidity (% R.H.)	29.8 % R.H.
Remarks	Complied		

6.2.1 Limits of radiated emission measurement

☒ Limits below 1 GHz

Frequency MHz	Class A dB μ V/m @ 10 m	Class B dB μ V/m @ 10 m
30 ~ 230	40	30
230 ~ 1 000	47	37

☒ Limits above 1 GHz

Frequency MHz	Class A @ 3 m		Class B @ 3 m	
	Average limit dB μ V/m	Peak limit dB μ V/m	Average limit dB μ V/m	Peak limit dB μ V/m
1 ~ 3	56	76	50	70
3 ~ 6	60	80	54	74

Note - The lower limit applies at the transition frequency.

6.2.2 Measurement procedure

The test was done at a 10 m chamber with a quasi-peak detector. EUT was placed on a non-metallic table height of 0.8 m above the reference ground plane. Cables were folded back and forth forming a bundle 0.3 m to 0.4 m long and were hanged at a 0.4 m height to the ground plane. Cables connected to EUT were fixed to cause maximum emission. Test was made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna was varied in height above the conducting ground plane to obtain the maximum signal strength.

6.2.3 Used equipments

Equipment	Model no.	Serial no.	Makers	Next Cal. Date	Used
Test Receiver	ESCI7	100732	R&S	2015.01.27	☒
Test Receiver	ESCI	100001	R&S	2014.07.25	☐
Test Receiver	ESCI	100710	R&S	2014.10.28	☐
Bi-Log Antenna	VULB 9168	440	SCHWARZBECK	2015.10.16	☒
Amplifier	310N	293004	SONOMA INSTRUMENT	2014.10.31	☒
3 dB Attenuator	8491B	22981	HP	2014.03.19	☒
Antenna Mast	MA4000-EP	303	Innco Systems	-	☒
Turn Table	DT2000S-1t	079	Innco Systems	-	☒
Amplifier	8449B	3008A02343	AGILENT	2014.10.31	☒
Horn ANT	3115	00086706	ETS	2014.09.05	☒
Spectrum Analyzer	FSP7	100289	R&S	2014.11.25	☐

6.2.4 Sample calculation

The field strength is calculated adding the antenna Factor, cable loss and, Antenna pad adding, subtracting the amplifier gain from the measured reading.

The sample calculation is as follow:

$$\text{Result} = \text{M.R} + \text{C.F}(\text{A.F} + \text{C.L} + 3 \text{ dB Att} - \text{A.G})$$

M.R = Meter Reading

C.F = Correction Factor

A.F = Antenna Factor

C.L = Cable Loss

A.G= Amplifier Gain

3 dB Att = 3 dB Attenuator

If M.R is 30 dB, A.F 12 dB, C.L 5 dB, 3 dB, A.G 35 dB

The result is

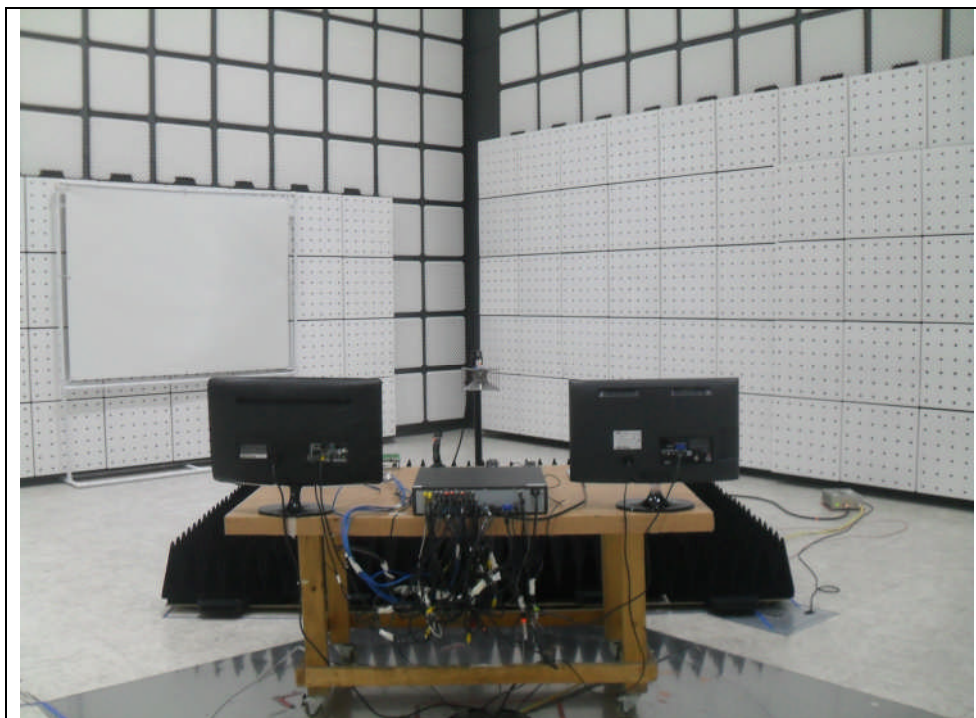
$$30 + 12 + 5 + 3 - 35 = 15 \text{ dB}\mu\text{V/m}$$

6.2.5 Photographs of test setup

* 30 MHz ~ 1 GHz



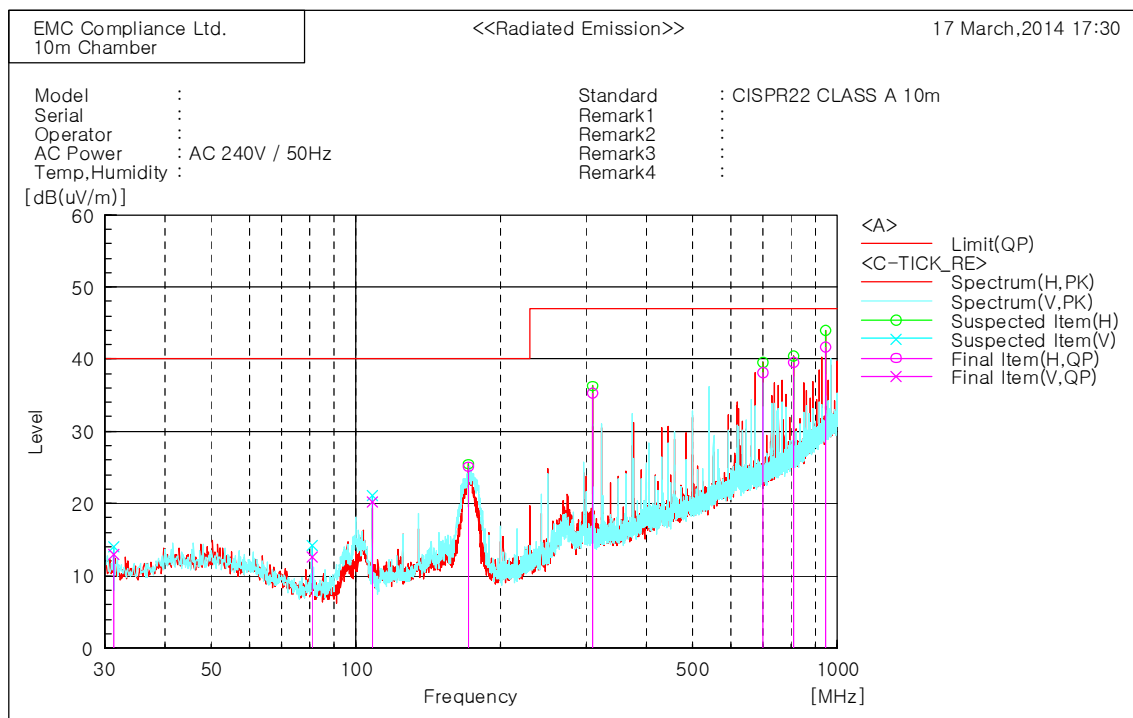
* 1 GHz ~ 6 GHz



6.2.6 Radiated emission measurement result

* Graph and Data

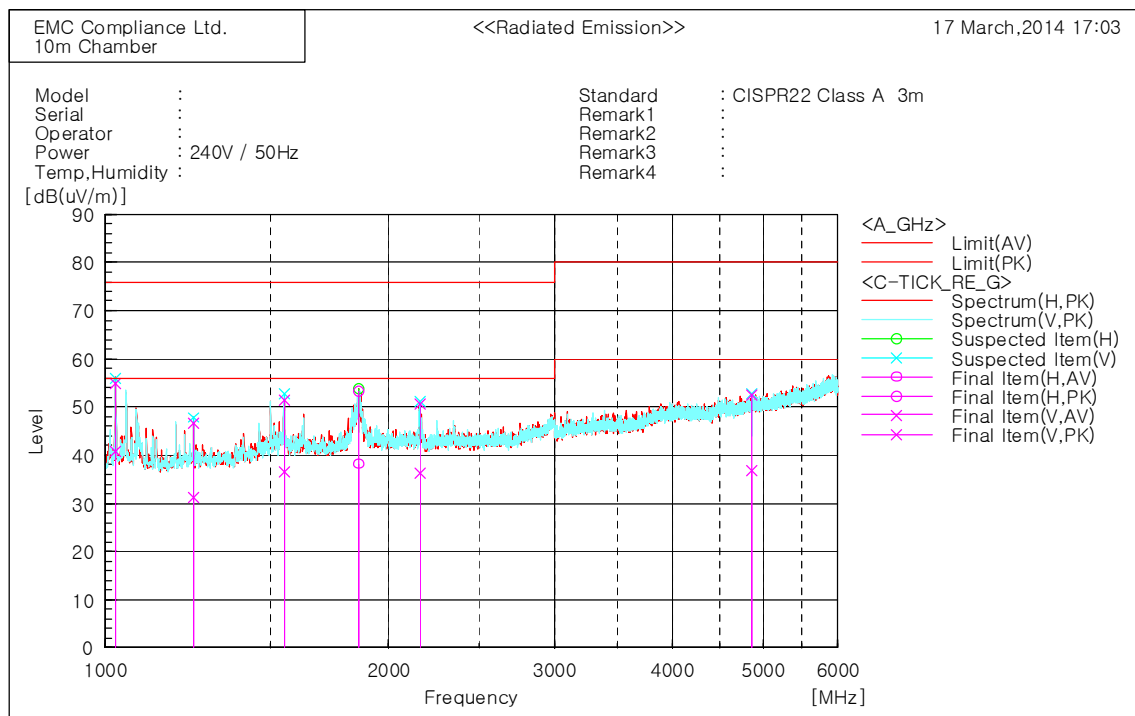
* 30 MHz ~ 1 GHz (SRD-876DP)



Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB(μV)]	c.f [dB(1/m)]	Result QP [dB(μV/m)]	Limit QP [dB(μV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]
1	31.334	V	27.9	-15.0	12.9	40.0	27.1	400.0	327.7
2	80.925	V	30.1	-17.5	12.6	40.0	27.4	299.0	76.7
3	107.964	V	36.7	-16.5	20.2	40.0	19.8	299.0	54.1
4	171.256	H	38.2	-13.1	25.1	40.0	14.9	400.0	284.2
5	309.966	H	45.4	-10.1	35.3	47.0	11.7	201.0	324.4
6	701.968	H	38.6	-0.4	38.2	47.0	8.8	100.0	222.5
7	810.123	H	37.4	2.1	39.5	47.0	7.5	100.0	93.9
8	945.074	H	36.2	5.5	41.7	47.0	5.3	100.0	177.1

* 1 GHz ~ 6 GHz(SRD-876DP)



Final Result

No.	Frequency [MHz]	(P)	Reading AV [dB(μV)]	Reading PK [dB(μV)]	c.f [dB(1/m)]	Result AV [dB(μV/m)]	Result PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin AV [dB]	Margin PK [dB]	Height [cm]	Angle [deg]
1	1025.625	V	46.6	60.8	-5.8	40.8	55.0	56.0	76.0	15.2	21.0	100.0	102.4
2	1241.875	V	35.5	50.9	-4.2	31.3	46.7	56.0	76.0	24.7	29.3	100.0	287.5
3	1550.000	V	38.1	53.0	-1.6	36.5	51.4	56.0	76.0	19.5	24.6	100.0	295.0
4	1859.375	H	38.0	53.0	0.2	38.2	53.2	56.0	76.0	17.8	22.8	100.0	126.9
5	2161.250	V	35.5	49.8	0.8	36.3	50.6	56.0	76.0	19.7	25.4	100.0	3.1
6	4860.625	V	26.2	41.8	10.7	36.9	52.5	60.0	80.0	23.1	27.5	100.0	147.6

7. E.U.T. photographs

Front View



Rear View



Left View



Right View



Top View



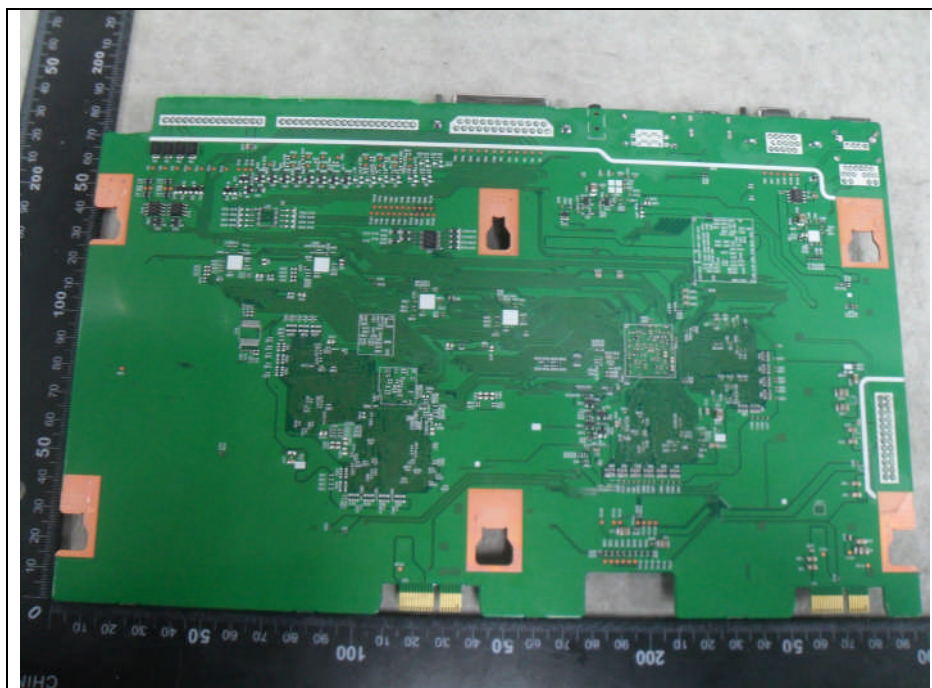
Bottom View



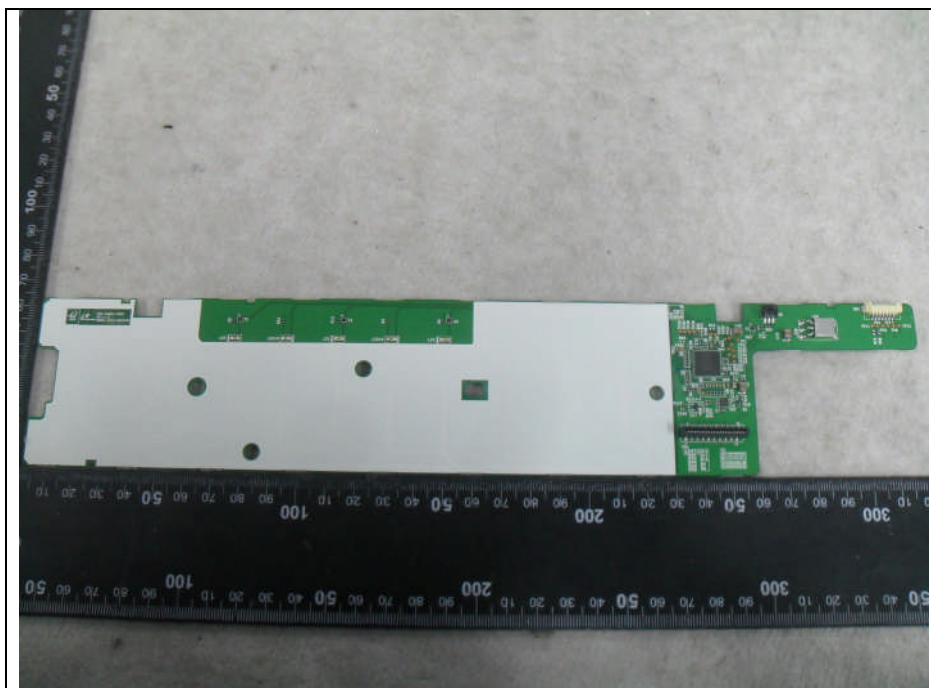
Inside



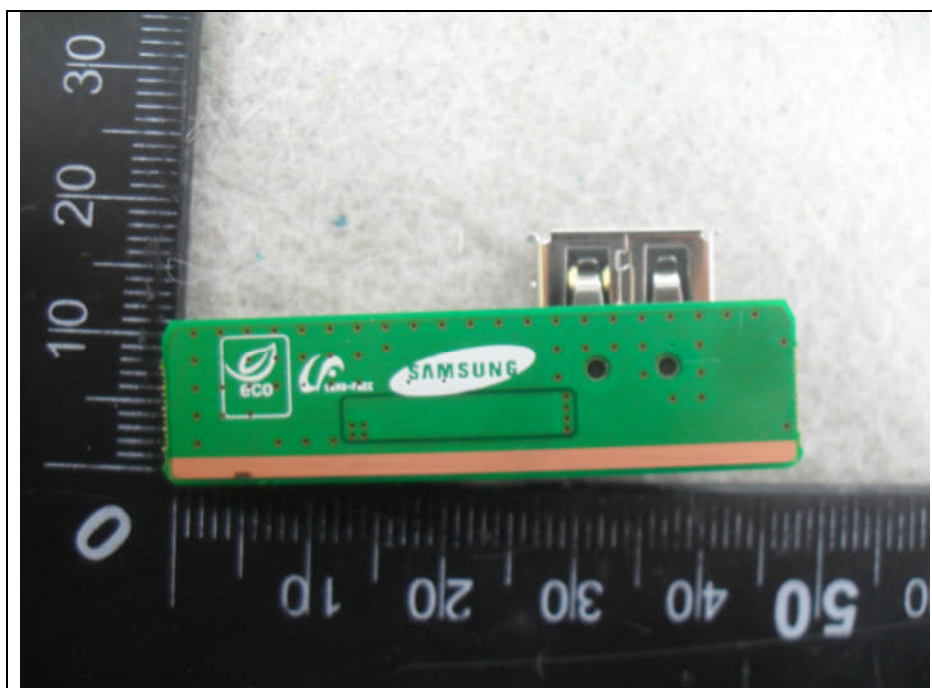
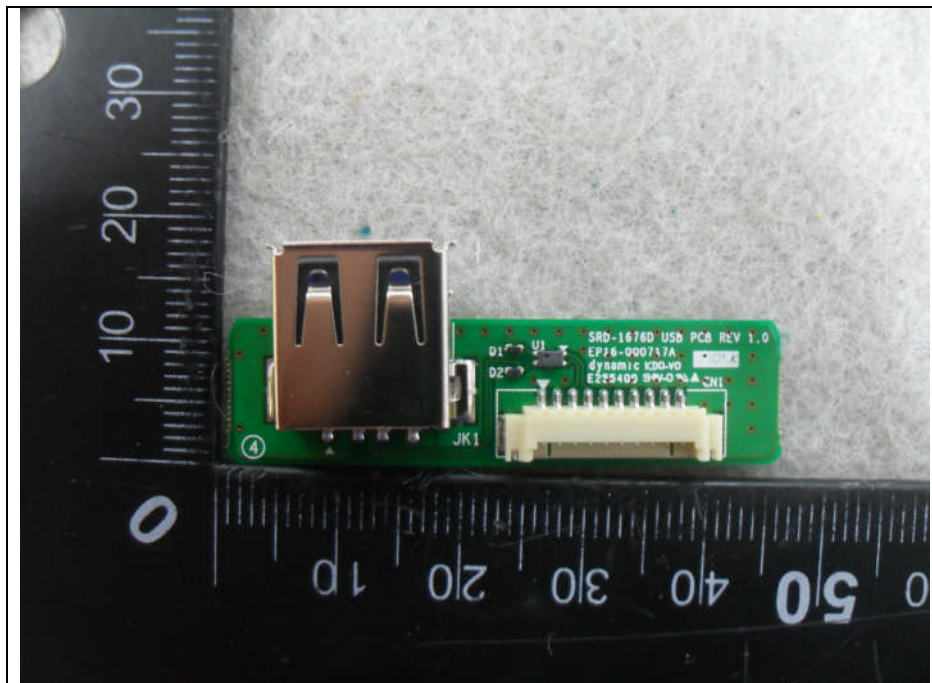
Main Board



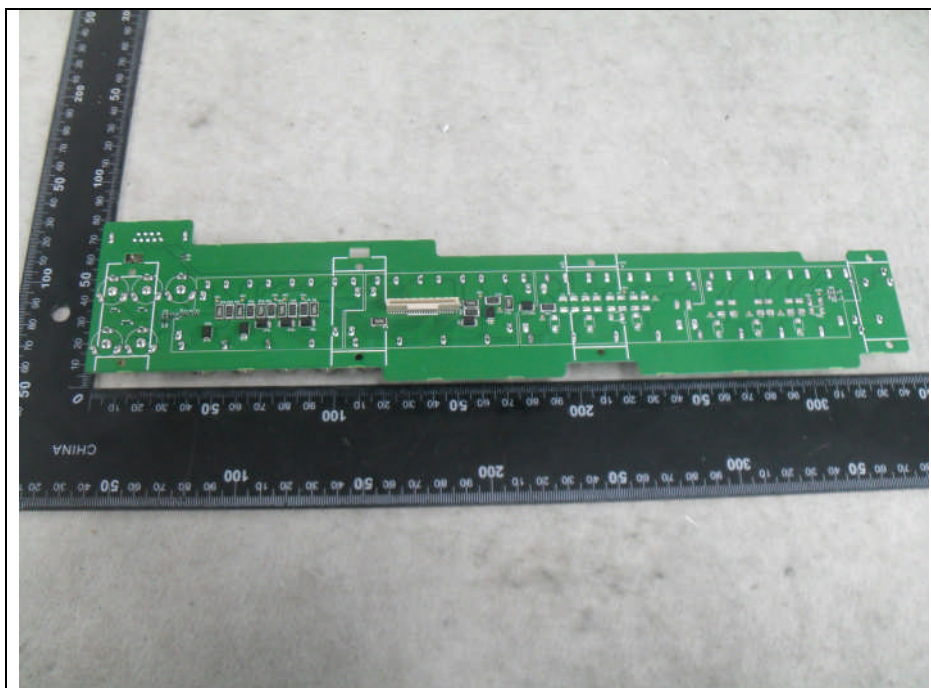
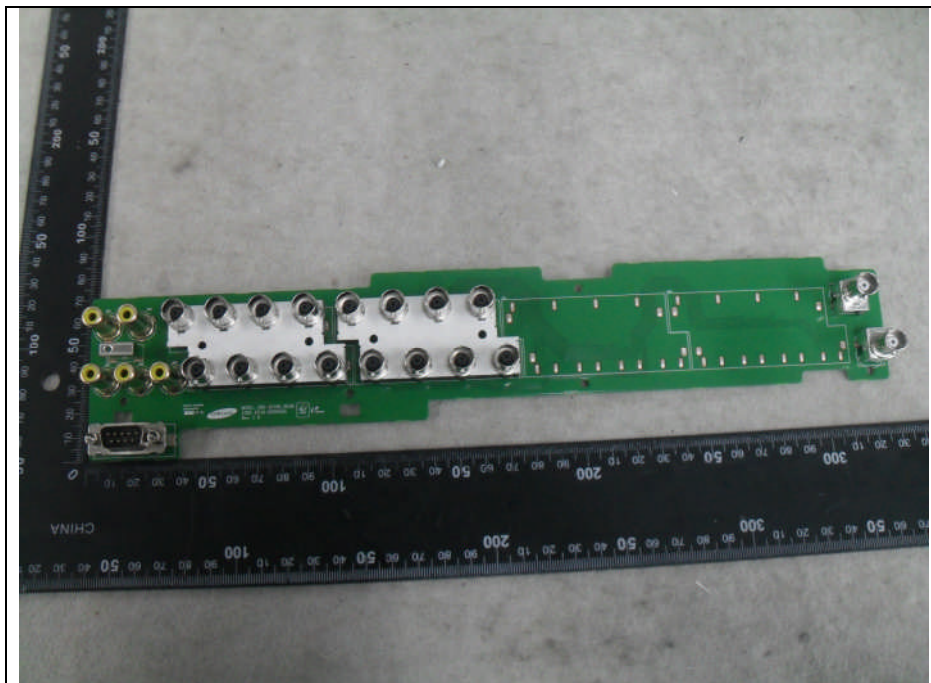
SUB Board



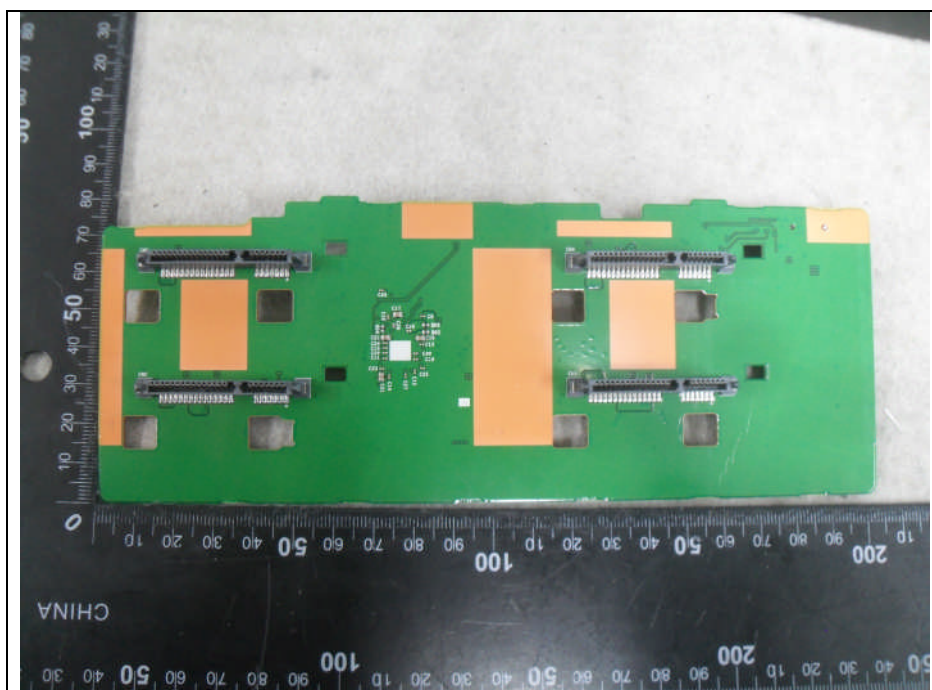
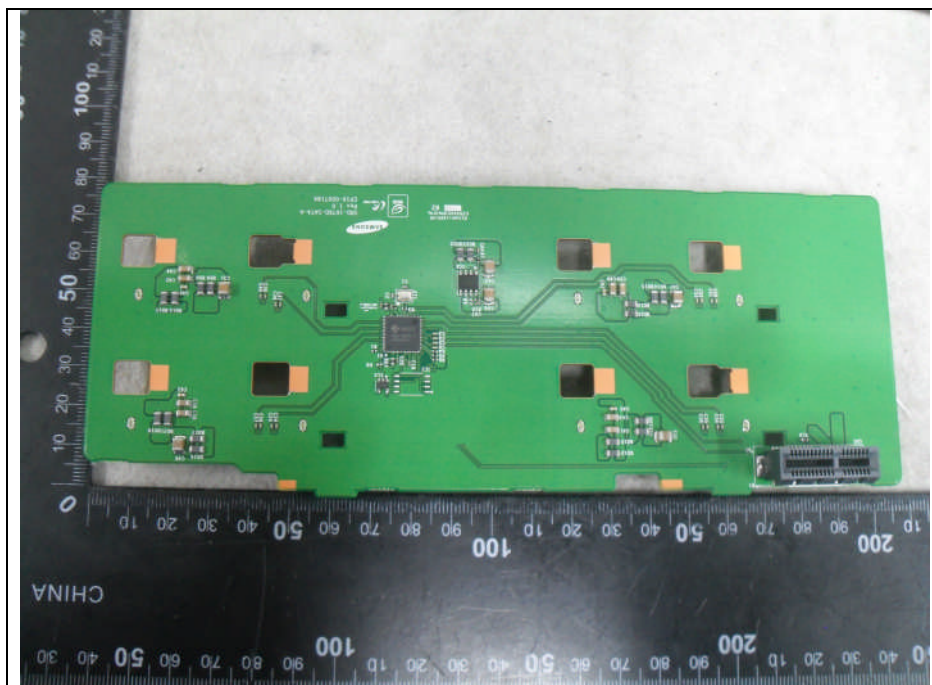
USB Board



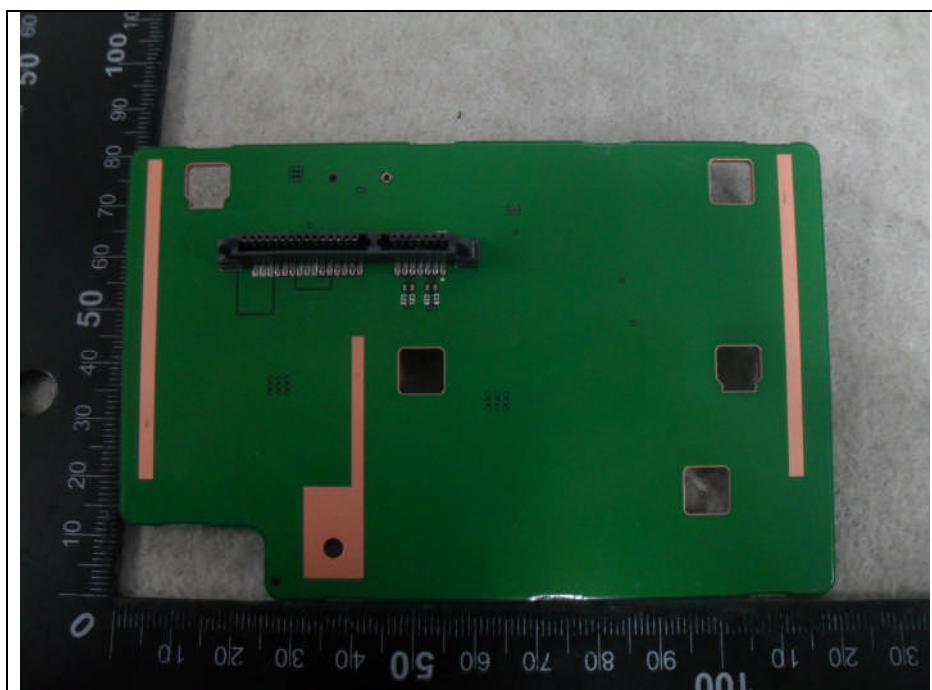
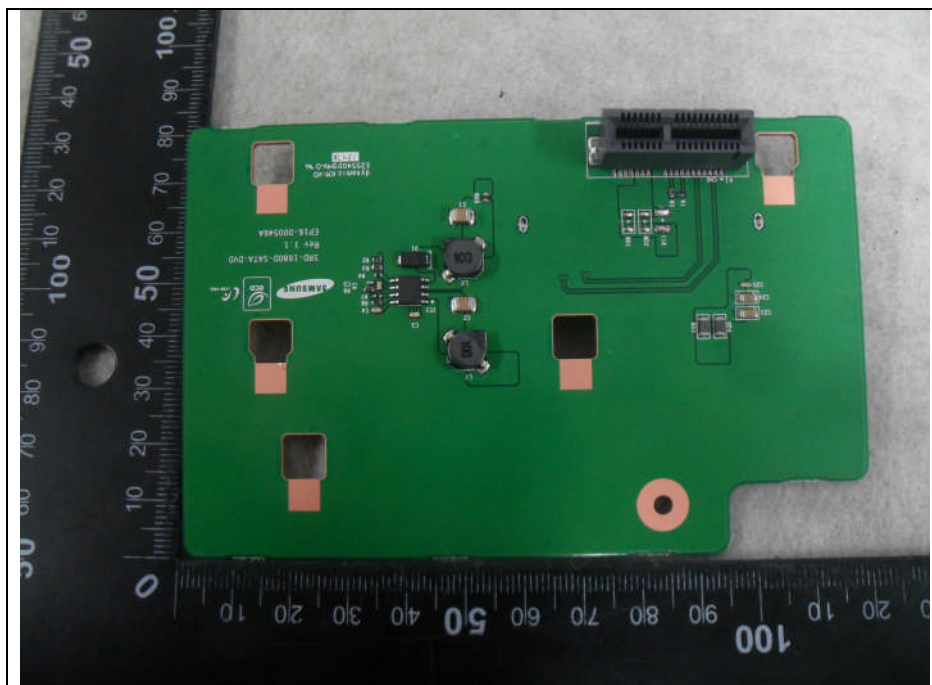
Port Board



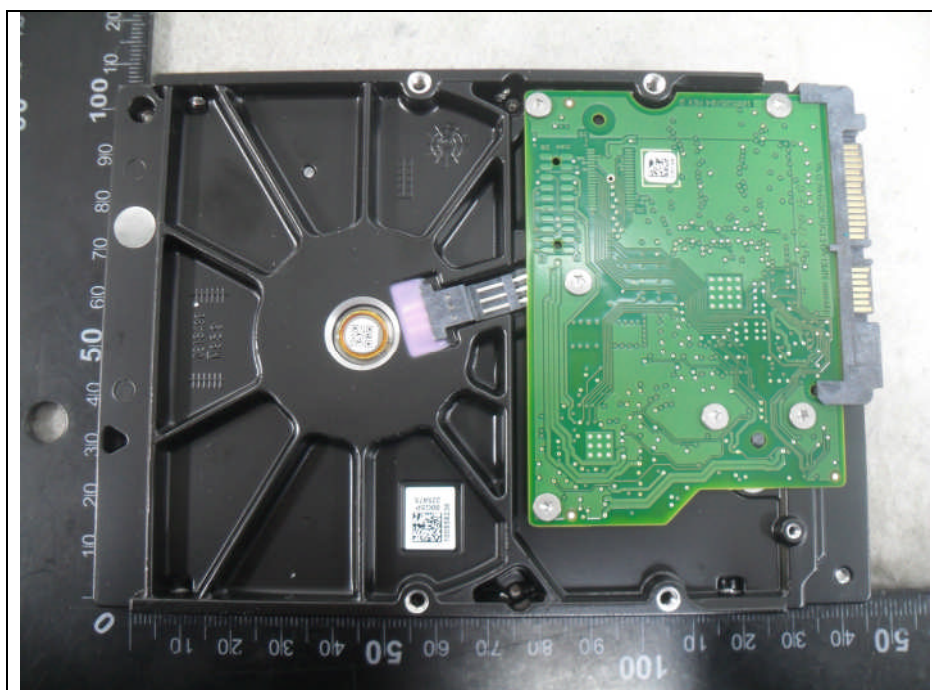
SATA Board



SATA DVD Board



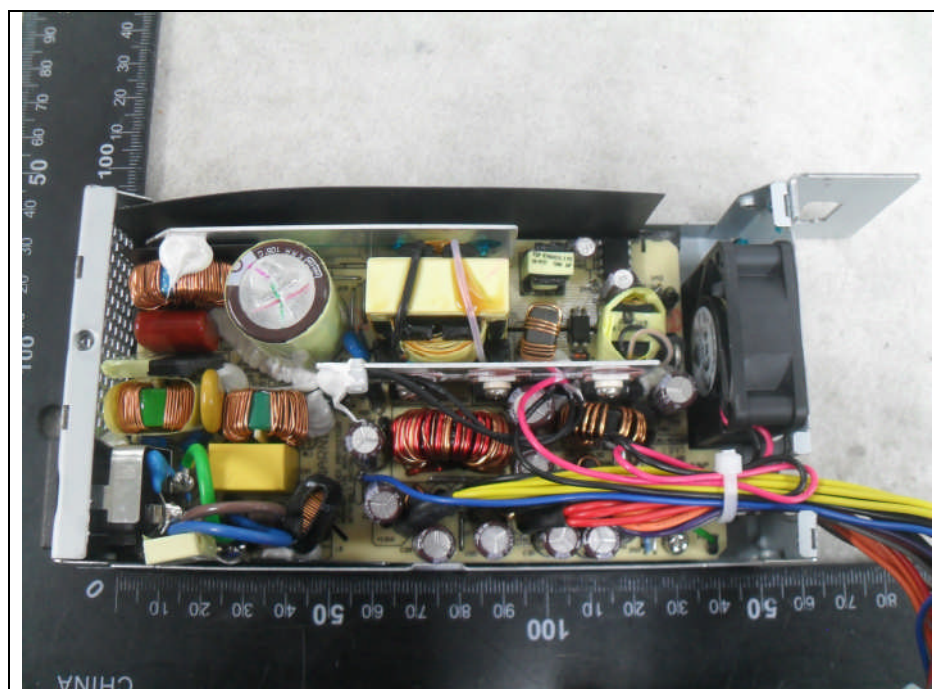
HDD (500GB)

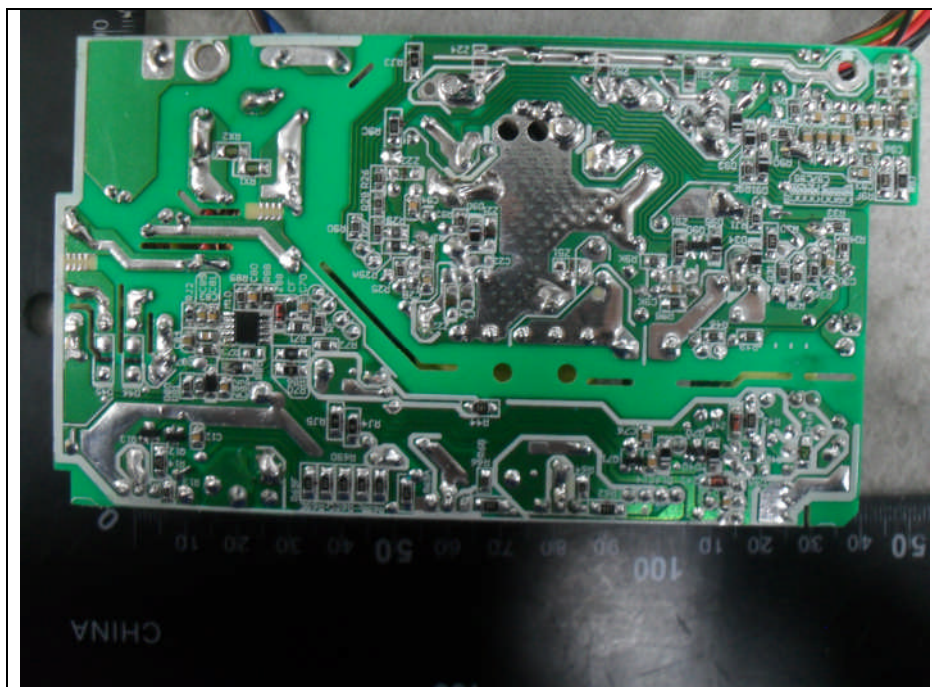
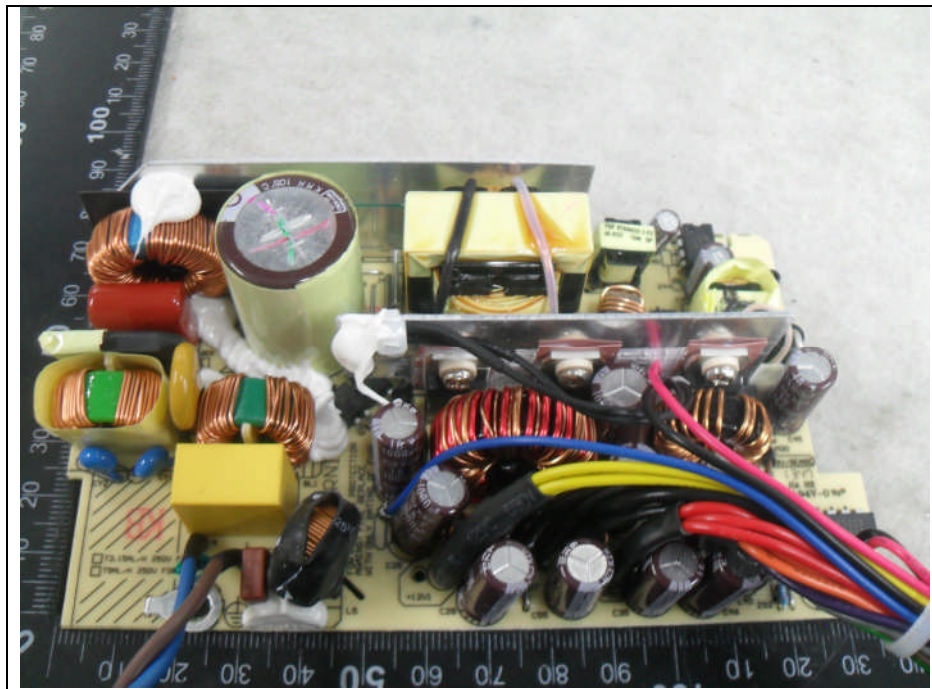




Power







USB Mouse



Remote Control





