Declaration of Conformity

SAMSUNG TECHWIN

CE

Type of equipment:	**VARI FOCAL LENS**
Brand Name /Trade Mark:	**SAMSUNG**
Type designation /model:	**SLA-3180DN**
Applicant:	**SAMSUNG TECHWIN CO., LTD.**

In accordance with the following Directives:

2004/108/EC	The Electromagnetic Compatibility Directive

Including amendments by the CE Marking Directive 93/68/EEC

The following harmonized European standards or technical specifications have been applied:

EN 55022:2006	Limits and methods of measurement of radio disturbance characteristics of information technology equipment
EN 50130-4:1995 +A1:1998 +A2:2003	Product family standard: Immunity requirements for components of fire, intruder and social alarm systems
EN 61000-4-2:2009	Electrostatic discharge immunity test
EN 61000-4-3:2006	Radiated, radio-frequency, electromagnetic field immunity test
EN 61000-4-4:2004	Electrical fast transient/burst immunity test
EN 61000-4-5:2006	Surge immunity test
EN 61000-4-6:2007	Immunity to conducted disturbances, induced by radio-frequency fields

The CE Marking on the products and/or their packaging signifies that SAMSUNG TECHWIN CO., LTD. holds the reference technical file available to the European Union authorities.

Place and date of issue: #42 Seongju-Dong, Changwon-Shi, Kyungsangnam-Do, Korea / March 22, 2011

Authorized Signatory: Name : Jei Soon, Kang

Title : Principal Research Engineer

Signature :

Chang Suk Oh

SAMSUNG TECHWIN CO., LTD

EMC TEST REPORT

Test report No:	**EMC-CE-2514**
Type of Equipment:	**VARI FOCAL LENS**
Model Name:	**SLA-3180DN**
Applicant:	**SAMSUNG TECHWIN CO., LTD.** **#42 Seongju-Dong, Changwon-Si,** **Kyungsangnam-Do, Korea**
Manufacturer#1:	**SAMSUNG TECHWIN CO., LTD.** **#42 Seongju-Dong, Changwon-Si,** **Kyungsangnam-Do, Korea**
Manufacturer#2:	**TIANJIN SAMSUNG TECHWIN** **OPTO-ELECTRONIC CO., LTD** **No.11 Weiliu Road. Micro-Electronic Industrial** **Park Jingang Road Tianjin 300385, China**
Test standards:	**EN 55022:2006, Class A** **EN 50130-4:1995+A1:1998+A2:2003**
Testing Laboratory:	**EMC Compliance Ltd.**
Test result:	**Complied**

This product complies with the requirements of the EMC Directive 2004/108/EC.
The results in this report apply only to the sample tested.
This test report shall not be reproduced, except in full, without the written approval of EMC compliance Laboratory.

Date of receipt: 2011. 03. 14

Date of testing: 2011. 03. 15 ~ 03. 18

Issued date: 2011. 03. 22

Tested by: SUNG, KI-MUN

Approved by: YEOM, HAN-SEOK

Contents

1. Applicant information

Applicant:	SAMSUNG TECHWIN CO., LTD.
Address:	#42 Seongju-Dong, Changwon-Si,
	Kyungsangnam-Do, Korea
Telephone:	+82-31-277-3695
Fax:	+82-31-277-2784
E-mail:	js2002.kang@samsung.com
Contact name:	**Kang Jei Soon**

Manufacturer#1:	SAMSUNG TECHWIN CO., LTD.
Address:	#42 Seongju-Dong, Changwon-Si,
	Kyungsangnam-Do, Korea
Telephone:	+82-31-277-3695
Fax:	+82-31-277-2784
E-mail:	js2002.kang@samsung.com
Contact name:	**Kang Jei Soon**

Manufacturer#2:	TIANJIN SAMSUNG TECHWIN OPTO-ELECTRONIC CO., LTD
Address:	No.11 Weiliu Road. Micro-Electronic Industrial Park
	Jingang Road Tianjin 300385, China

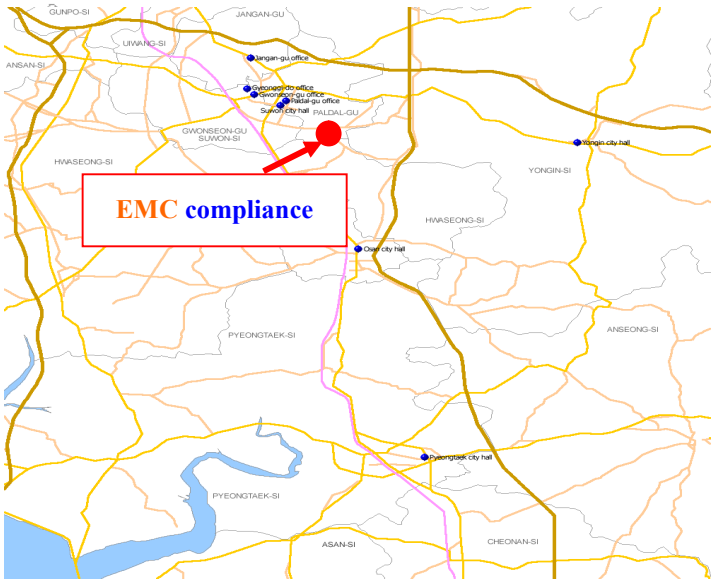
2. Laboratory information

Address

EMC compliance Ltd.
480-5 Sin-dong, Yeongtong-gu, Suwon-city, Gyeonggi-do, 443-390, Korea
Telephone Number: 82 31 336 9919
Facsimile Number: 82 31 336 4767

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)	:	21 °C	20 % R.H.	-
Shielded room(ESD)	:	20 °C	34 % R.H.	102.1 kPa

Test site

These testing items were performed following locations;

Chamber (10 m) : Radiated Emission
Shielded Room : ESD, EFT/Burst, Surge, CS
Fully anechoic chamber (3 m) : RS

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.

Radiated Emission measurement :(k = 2, 95 %)

30 ㎒ ~ 300 ㎒: 3 m: ± 4.3 [dB]
10 m: ± 4.3 [dB]
300 ㎒ ~ 1 000 ㎒: 3 m: ± 4.4 [dB]
10 m: ± 4.3 [dB]

Radio Frequency Electromagnetic Fields :(k = 2, 95 %)

± 1.82 [dB]

4. Description of E.U.T.

4.1 General information

Optical Specifications

1	Focal Length		3.1 mm ~ 8 mm				
2	Max. Aperture Ratio		1:1.2				
3	Iris Range	Wide	F1.2 ~ F360C				
4	Max. Image Format		5.8mm x 3.2mm (ϕ 6.6mm)				
5	Angle of View	Diagonal	1/2.7type (16:9)	123.1° ~ 48.3°	1/2.7 type (4:3)	123.1° ~ 48.3°
		Horizontal		105.4° ~ 42.2°		95.9° ~ 38.7°
		Vertical		57.9° ~ 23.8°		71.0° ~ 29.1°
		Diagonal	******	**********	1/3 type (4:3)	110.3° ~ 43.9°
		Horizontal		**********		86.7° ~ 35.2°
		Vertical		**********		64.4° ~ 26.5°
6	Min. Objective Distance		30cm from front of Lens				
7	Back Focal Length		7.8mm				
8	Flange Back Length		12.5mm				
9	Effective Lens Aperture		Front ϕ 20.9mm Rear ϕ 10.5mm				
10	Optical compensation design		2.0mm				
11	Mount		CS				
12	Dimension		As per the attached drawing				
13	Weight		59.0 g				

Mechanical

1	Focus	Control	Manual Control
		Indication	∞ ⟷ N (Far : Near)
		Torque	Lock screw Torque : MAX 4cN·m
2	Zoom	Control	Manual Control
		Indication	W ⟷ T (Wide : Tele)
		Torque	Lock screw Torque : MAX 4cN·m
3	Iris	Control	Auto-Iris by Galvanometer

Electrical Specification of Iris

1	Galvanometer	Driving Coil	190 Ω ± 10% at 20 ℃
		Control Coil	855 Ω ± 10% at 20 ℃
2	Operating Voltage	close → open	Less than 3.5V at 20 ℃
		open → close	More than 0.5V at 20 ℃

Power Consumption

1	Power Consumption	Max.	Approx. 20mA at 190 Ω at 20 ℃ (Driving Coil 190 Ω at -10% / Driving Voltage 3.5V)
		Normal	Approx. 11mA
		Coefficient of Temperature	+0.0039 %/℃

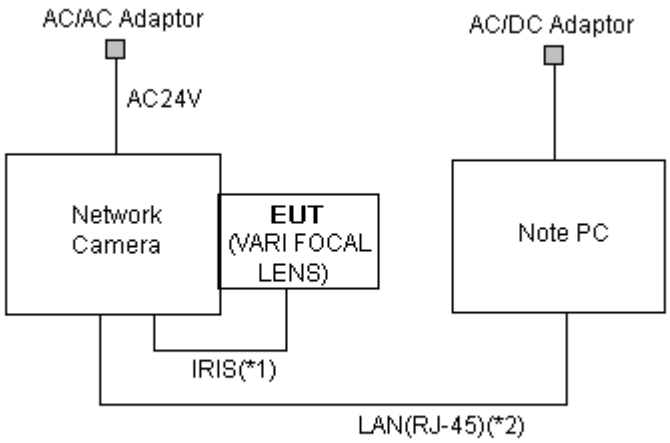
4.2 Product description

Type of product	VARI FOCAL LENS
Model name (Basic)	SLA-3180DN
Model name (Variant)	N/A
Difference	-
Trade name	-
Serial no	Engineering Sample
Testing voltage	AC 24 Ⅴ
Product rating	AC 24 Ⅴ (Power supplied from Network Camera)
Note	-

4.3 Auxiliary equipments

Type	Model / Part #	Serial number	Manufacturer
Note PC	C1410	463680121002	FUJITSU
Network Camera	SNB-7000N	C6916V2B100037A	SAMSUNG TECHWIN

4.4 Test configuration



Note *	Start		End		Cable		
	Name	I/O port	Name	I/O port	Length (m)	Spec.	Cable
1	**EUT** (VARI FOCAL LENS)	IRIS	Network Camera	IRIS	0.2	Non-Shield	-
2	Network Camera	LAN(RJ-45)	Note PC	LAN(RJ-45)	2.0	Non-Shield	-

4.5 Operating conditions

The EUT was configured as normal intended use.

Test mode	Normal operation
1	Camera operating mode.

5. Summary of test results

5.1 Modification to the E.U.T.

None

5.2 Summary of EMI emission test results

Application	Test method	Test result
Conducted emission	EN 55022:2006, Class A	N/A
Radiated emission AC 24 V	EN 55022:2006, Class A	Complied
Harmonics current	EN 61000-3-2:2006+A2:2009	N/A
Voltage fluctuations and flickers	EN 61000-3-3:2008	N/A

5.3 Summary of immunity test results

Items	Application	Test method	Test result
Electrostatic discharge	Enclosure	EN 61000-4-2:2009	Complied
Radiated RF immunity	Enclosure	EN 61000-4-3:2006	Complied
Electric Fast Transient/BURST	AC 24 V	EN 61000-4-4:2004	Complied
Surge	AC 24 V	EN 61000-4-5:2006	Complied
Conducted RF immunity	AC 24 V	EN 61000-4-6:2007	Complied
Magnetic field immunity	Enclosure	EN 61000-4-8:2010	N/A
Voltage dip/interruption	AC 24 V	EN 61000-4-11:2004	N/A
Voltage variation	AC 24 V	EN 50130-4:2003	N/A

5.4 Performance criteria

The variety and the diversity of the apparatus within the scope of this document makes it difficult to define precise criteria for the evaluation of the immunity test results.
If as a result of the application of the tests defined in this standard, the apparatus becomes dangerous or unsafe then the apparatus shall be deemed to have failed the test. A functional description and a definition of performance by the manufacture and noted in the test report, based on the following criteria:

Electrostatic discharge

There shall be no damage, malfunction or change of status due to the conditioning.
Flickering of an indicator during the application of discharge is permissible, providing which could be interpreted by associated equipment as a change,

Radiated electromagnetic fields

There shall be no damage, malfunction or change of status due to the conditioning.
Flickering of an indicator during the application of discharge is permissible, providing which could be interpreted by associated equipment as a change, and no such Flickering of indicators occurs at a field strength of 3 V/m. For components of CCTV systems, where the picture is allowed at 10 V/m, providing.

(a) there is no permanent damage or change to EUT (e.g. no corruption of memory or changes to programmable setting etc.)
(b) at 3 V/m, any deterioration of the picture is so minor that the system could still be used; and
(c) there is no observable deterioration of the picture at 1 V/m.

Fast transient burst / slow high energy voltage surge

There shall be no damage, malfunction or change of status due to the conditioning.
Flickering of an indicator during the application of discharge is permissible, providing That there is no residual is permissible, providing that there is no residual change in the EUT or any change in outputs, which could be interpreted by associated equipment as

Conducted RF immunity

There shall be no damage, malfunction or change of status due to the conditioning.
Flickering of an indicator during the application of discharge is permissible, providing
That there is no residual is permissible, providing that there is no residual change in the EUT or any change in outputs, which could be interpreted by associated equipment as
a change, and no such flickering of indicators oeuvres at U = 130 dB(μV).
For component of CCTV systems, where the status is monitored by observing the TV picture, then deterioration of the picture is allowed at U = 140 dB(μV), providing:

(a) there is no permanent damage or change to the EUT (e.g. no corruption of memory or changes to programmable settings etc.):
(b) at U = 130 dB(μV), any deterioration of the picture is so minor that the system could still be used; and
(c) there in no observable deterioration of the picture at U = 120 dB(μV).

Voltage dip/interruption / Voltage variation

There shall be no damage, malfunction or change of status due to the conditioning.
Flickering of an indicator during the conditioning is permissible, providing that there is no residual change in the EUT or any change in outputs, which could be interpreted by associated equipment as a change. The EUT shall meet the acceptance criteria for the functional test, after the conditioning.

6. Test results

6.1 Radiated Emission

Test specification	EN 55022:2006 Sections 6, Class A		
Test mode	Operating mode		
Date	2011. 03. 15		
Testing voltage	AC 24 V		
Test facility	10 m Chamber		
Temperature (°C)	21 °C	Humidity (% R.H.)	20 % R.H.
Remarks	Complied Minimum limit margin is 3.1 dB at 482.626 ㎒.		

6.1.1 Limits of radiated emission measurement

Frequency [㎒]	Class A (dB(㎶/m)) @ 10 m	Class B (dB(㎶/m)) @ 10 m
30-230	40	30
230-1 000	47	37

6.1.2 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.

6.1.3 Used equipments

Equipment	Model no.	Serial no.	Makers	Next cal. date	Used
Test Receiver	ESCI	100710	R&S	11.12.01	☒
Bi-Log Antenna	VULB 9160	3228	SCHWARZBECK	12.09.13	☒
Amplifier	310N	293004	SONOMA INSTRUMENT	11.12.01	☒
3 dB Attenuator	8491A	27444	HP	11.11.30	☒
Antenna Mast	MA4000-EP	303	Innco Systems	-	☒
Turn Table	DT2000S-1t	079	Innco Systems	-	☒

6.1.4 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:

Result = M.R + C.F(A.F + C.L +3 dB Att – A.G)

M.R = Meter Reading

C.F = Correction Factor

A.F = Antenna Factor

C.L = Cable Loss

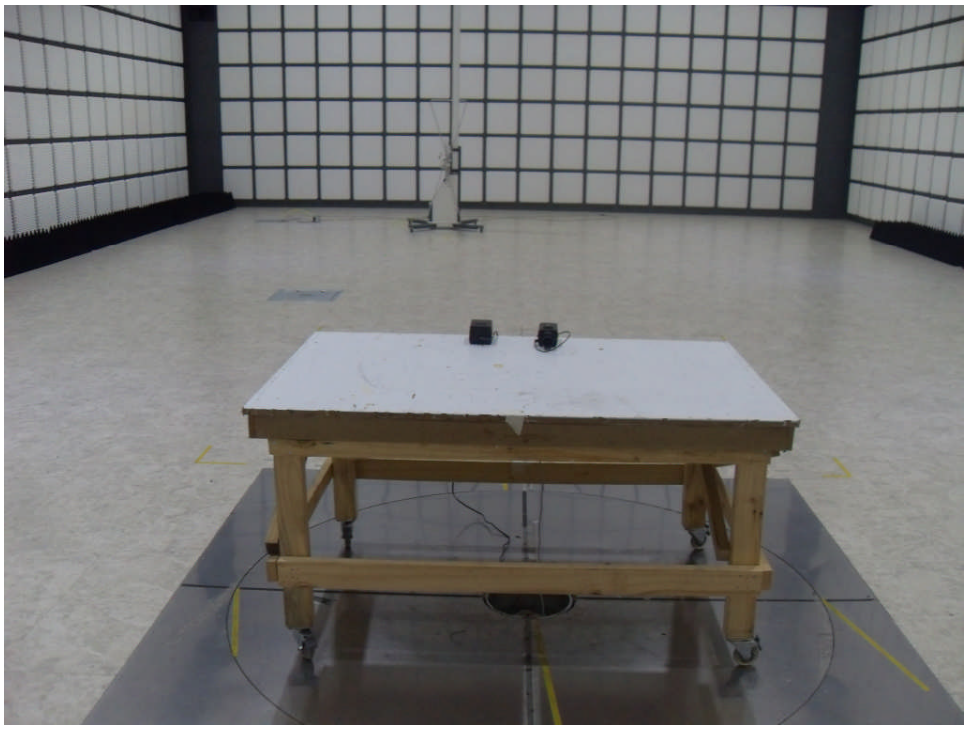
A.G= Amplifier Gain

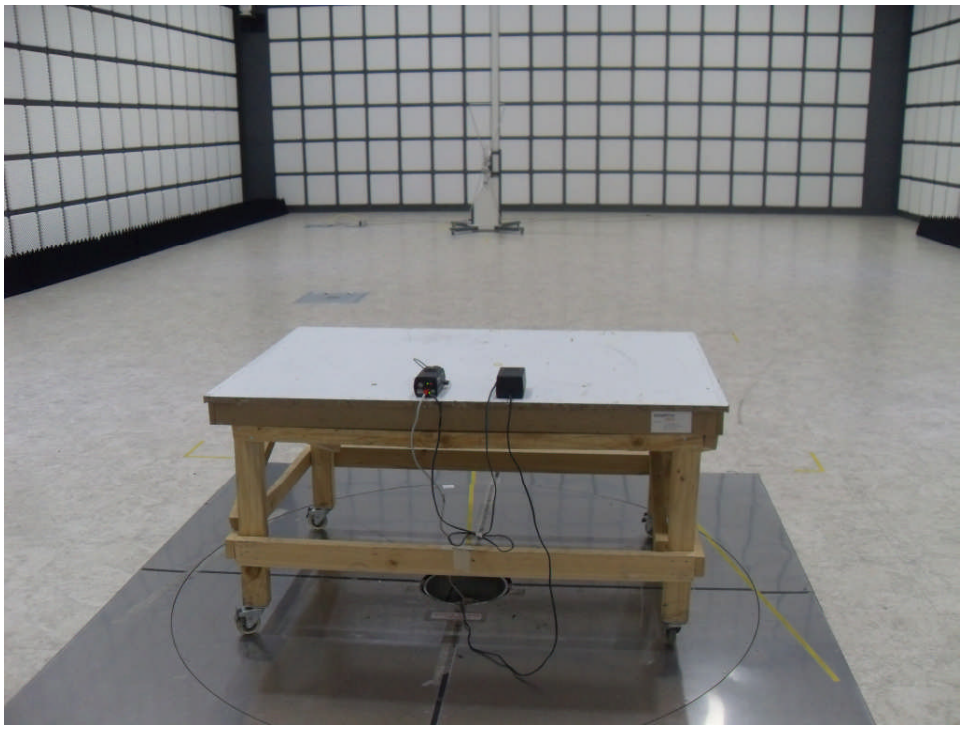
3 dB Att = 3 dB Attenuator

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 dB(μV/m)

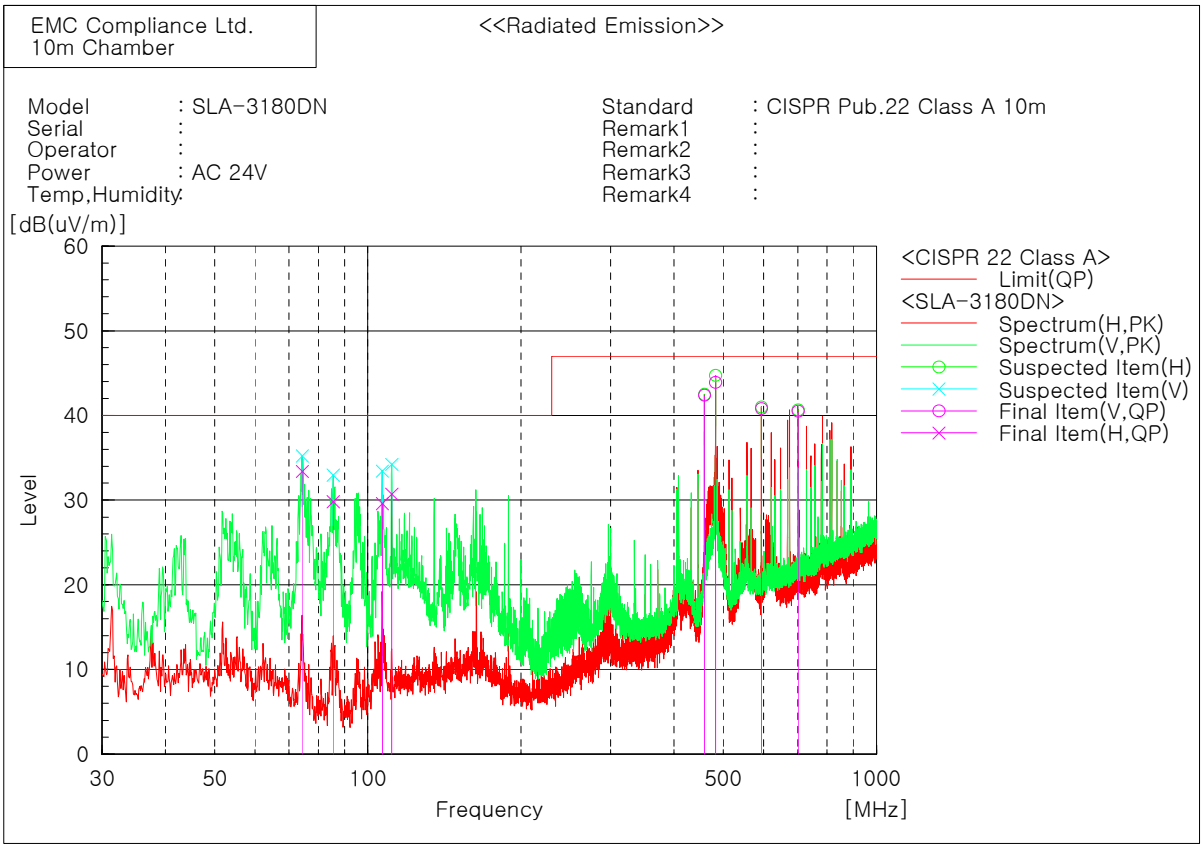
6.1.5 Photographs of test setup





6.1.6 Radiated emission measurement result

*** Graph and Data**



Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB(uV)]	c.f [dB(1/m)]	Result QP [dB(uV/m)]	Limit QP [dB(uV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]
1	74.242	V	51.9	-18.5	33.4	40.0	6.6	101.0	228.4
2	85.496	V	49.6	-19.8	29.8	40.0	10.2	201.0	243.7
3	106.692	V	46.6	-17.0	29.6	40.0	10.4	101.0	137.4
4	111.374	V	47.1	-16.4	30.7	40.0	9.3	301.0	156.1
5	458.993	H	52.0	-9.6	42.4	47.0	4.6	101.0	83.3
6	482.626	H	52.3	-8.4	43.9	47.0	3.1	300.0	61.0
7	594.054	H	46.6	-5.8	40.8	47.0	6.2	400.0	259.0
8	701.968	H	44.6	-4.1	40.5	47.0	6.5	101.0	168.0

6.2 Electrostatic Discharge

Test specification	EN 61000-4-2:2009				
Test level	Air: ± 2, 4, 8 kV VCP: ± 2, 4, 6 kV				
Discharge impedance	330 Ω / 150 pF				
Date	2011. 03. 16				
Testing voltage	AC 24 V				
Number of discharge (Each polarity)	10				
Interval between discharges	1 s				
Temperature(°C)	20 °C	Humidity (% R.H.)	34 % R.H.	Pressure (kPa)	102.1 kPa
Remarks	Complied - There was no change of operation status during above testing.				

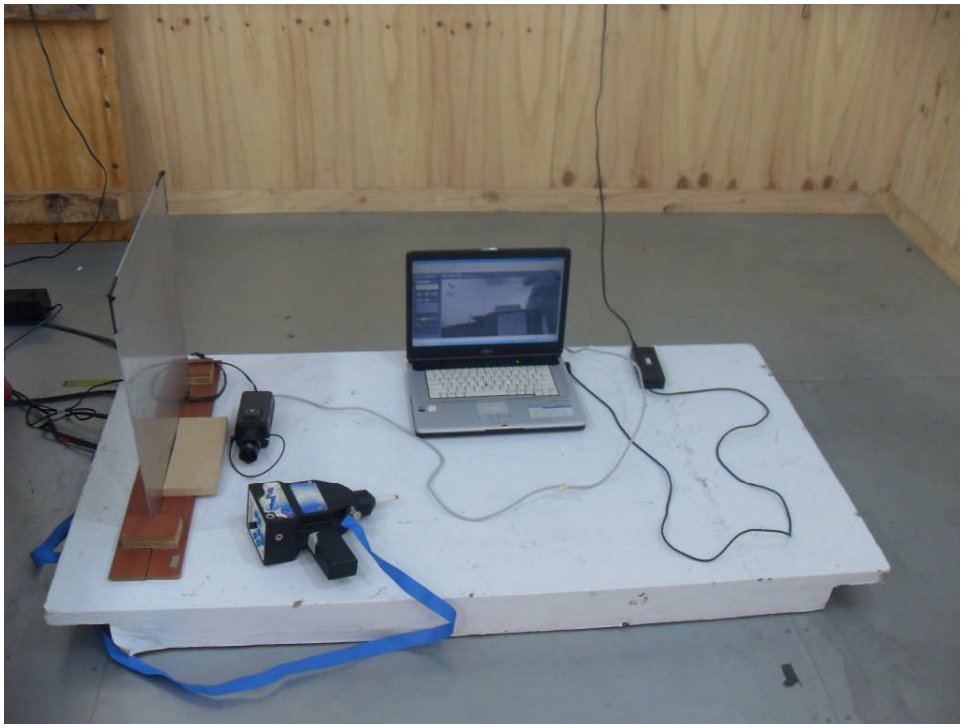
6.2.1 Measurement procedure

A ground reference plane was located on the floor, and connected to earth via a low Impedance connection. The return cable of the ESD generator was connected to the reference plane. In case of floor standing equipment, EUT was placed on the reference plane on 0.1 m of insulating Support. In case of table top equipment, EUT was placed on a wooden table 0.8 m above the reference grounded floor. A horizontal coupling plane (HCP) was placed on the table, and Connected to the reference plane via a 470 kΩ resistor located in each end (0.5 ㎜ insulating support between EUT and HCP). In both cases a vertical coupling plane(VCP) OF 0.5 X 0.5 m was located 0.1 m from the EUT's sides. The VCP was connected to the reference plane in the same matter as the HCP.

6.2.2 Used equipments

Equipment	Model No.	Serial No.	Makers	Next Cal. Date	Used
ESD Tester	PESD 1600	H011 309	HAEFELY	11.07.20	☒
HCP	-	-	-	-	☐
VCP	-	-	-	-	☒

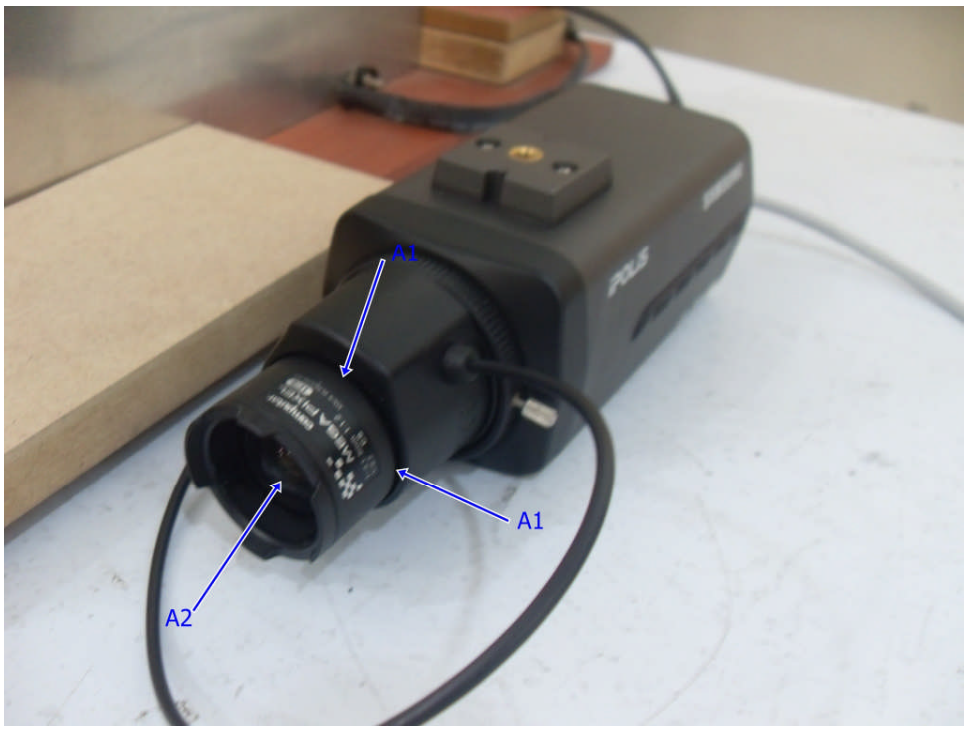
6.2.3 Photographs of test setup



6.2.4 Measurement result

Electrostatic Discharge (Test Point)

Air discharge	→
Contact discharge	→



Contact discharge

Location(EUT)		Applied level (±)	Result
	VCP (All 4 sides)	± 2, 4, 6 kV	Complied

Air discharge

Location(EUT)		Applied level (±)	Result
A1	Enclosure(Case)	± 2, 4, 8 kV	Complied
A2	Lens	± 2, 4, 8 kV	Complied
A3	IRIS Port	± 2, 4, 8 kV	Complied

6.3 Radio Frequency Electromagnetic Fields

Test specification	EN 61000-4-3:2006				
Tested frequency	80 ㎒ ~ 1 ㎓, 1 ㎓ ~ 2 ㎓ log 1 % step				
Test level & Modulation	1, 3, 10 V/m, 80 % Amplitude Modulation (1 ㎑) 1, 3, 10 V/m, Pulse Modulation (1 ㎐ (0.5 s ON: 0.5 s OFF))				
Distance	3 m from EUT to tip of antenna				
Dwell time	3 s				
Step size	log 1 % step				
Testing voltage	AC 24 V				
Date	2011. 03. 17				
Temperature(°C)	20 °C	Humidity (% R.H.)	22 % R.H.	Pressure (㎪)	102.0 ㎪
Remarks	Complied - There was no change of operation status during above testing.				

6.3.1 Measurement procedure

The test was performed at 3 m full anechoic chamber.

For floor standing equipment, the EUT was standing on the floor.

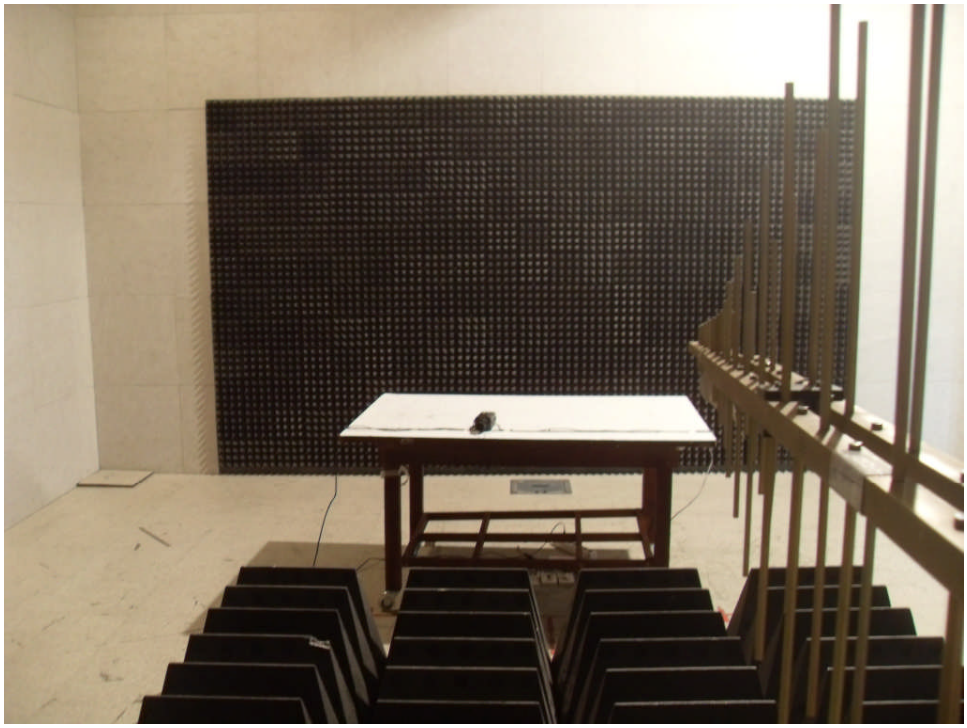
For tabletop equipment, the EUT was located on a wooden table 0.8 above the floor.

The EUT was tested all sides, horizontal and vertical polarization.

6.3.2 Used equipments

Equipment	Model no.	Serial no.	Makers	Next Cal. date	Used
Power meter	PM2002	302852	AR	11.04.19	☒
Power sensor	PH2000	303224	AR	11.04.16	☒
Power sensor	PH2000	303222	AR	11.04.16	☒
Directional coupler	DC6180	303976	AR	11.04.16	☒
Directional coupler	DC7144M1	320279	AR	12.02.23	☒
Signal generator	E4421B	GB40052295	AGILENT	11.10.25	☒
Amplifier	150W1000M2	303843	AR	11.04.19	☒
Amplifier	60S1G3M2	320444	AR	11.04.19	☒
Broadband Ant.	LPDA-0803	130269	ETS	-	☒
Field monitor	SI-300	-	TDK	-	☒
Antenna master	-	-	ETS	-	☒

6.3.3 Photographs of test setup



6.3.4 Measurement result

Location(EUT)	Antenna polarization	Result
Front side	Horizontal	Complied
	Vertical	Complied
Rear side	Horizontal	Complied
	Vertical	Complied
Left side	Horizontal	Complied
	Vertical	Complied
Right side	Horizontal	Complied
	Vertical	Complied

6.4 Electric Fast Transient/BURST

Test specification	EN 61000-4-4:2004				
Coupling	AC 24 V : Clamp				
Test level	AC 24 V : ± 1 kV				
Repetition frequency	5 kHz, Tr/Th = 5 / 50 ns				
Coupling time	60 s				
Testing voltage	AC 24 V				
Date	2011. 03. 18				
Temperature(°C)	21 °C	Humidity (% R.H.)	20 % R.H.	Pressure (kPa)	102.1 kPa
Remarks	Complied - There was no change of operation status during above testing.				

6.4.1 Measurement procedure

A ground reference plane was located on the floor.
EFT generator was connected to reference ground plane via low impedance connection.
For floor standing equipment, EUT was placed on a 0.1 m wooden table.
For tabletop equipment, EUT was placed on a 0.1 m above the ground reference plane.
Test generator and coupling/decoupling network was placed on, and bounded to, the ground reference plane. When using the coupling clamp, the minimum distance between the coupling plates and all other conductive surfaces, except the ground reference plane beneath the coupling clamp, Shall be 0.5 m.

6.4.2 Used equipments

Equipment	Model No.	Serial No.	Makers	Next Cal. date	Used
Generator	UCS 500 M6	0701-03	EM TEST	11.06.16	☒
Capacitive Coupling Clamp	-	-	EM TEST	-	☒

6.4.3 Photographs of test setup

6.4.4 Measurement result

* AC Line

EFT coupling point	(+)	(-)	Result
AC 24 V	+ 1 kV	- 1 kV	Complied

6.5 Surge

Test specification	EN 61000-4-5:2006				
Coupling	AC 24 V : CDN				
Test level	AC 24 V : ± 0.5, 1 kV				
Surge pulse shape	Tr/Th = 1.2 / 50 μs				
Coupling Impedance	AC 24 V : 40 Ω				
Number of surge / Coupling time	5 / 1 min				
Testing voltage	AC 24 V				
Date	2011. 03. 18				
Temperature(°C)	20 °C	Humidity (% R.H)	21 % R.H	Pressure(kPa)	102.0 kPa
Remarks	Complied - There was no change of operation status during above testing.				

6.5.1 Measurement procedure

A ground reference plane was located on the floor. SURGE generator was connected to reference ground plane via low impedance connection. For floor standing equipment & table top equipment, EUT was placed on a wooden table.

6.5.2 Used equipments

Equipment	Model No.	Serial No.	Makers	Next Cal. Date	Used
Generator	UCS 500 M6	0701-03	EM TEST	11.06.16	☒
CDN	CNV 508	1001-10	EM TEST	-	☐

6.5.3 Photographs of test setup

6.5.4 Measurement result

* AC Line

Coupling point	(+)	(-)	Result
AC 24 V	+ 0.5, 1 kV	- 0.5, 1 kV	Complied

6.6 Conducted Immunity

Test specification	EN 61000-4-6:2007				
Tested frequency	0.15 ㎒ ~ 100 ㎒ log 1 % step				
Test level & Modulation	1, 3, 10 Ⅴ, 80 % Amplitude Modulation (1 ㎑) 1, 3, 10 Ⅴ, Pulse Modulation (1 ㎐ (0.5 s ON: 0.5 s OFF))				
Coupling method	AC 24 Ⅴ: CDN(M2)				
Testing voltage	AC 24 Ⅴ				
Date	2011. 03. 16				
Temperature(°C)	20 °C	Humidity (% R.H)	23 % R.H	Pressure(㎪)	101.9 ㎪
Remarks	Complied - There was no change of operation status during above testing.				

6.6.1 Measurement procedure

A ground reference plane was located on the floor.

The test was performed on a ground reference plane on a 0.1 m wooden table.

This test were performed using CDN for mains, clamp for signal and injection probe.

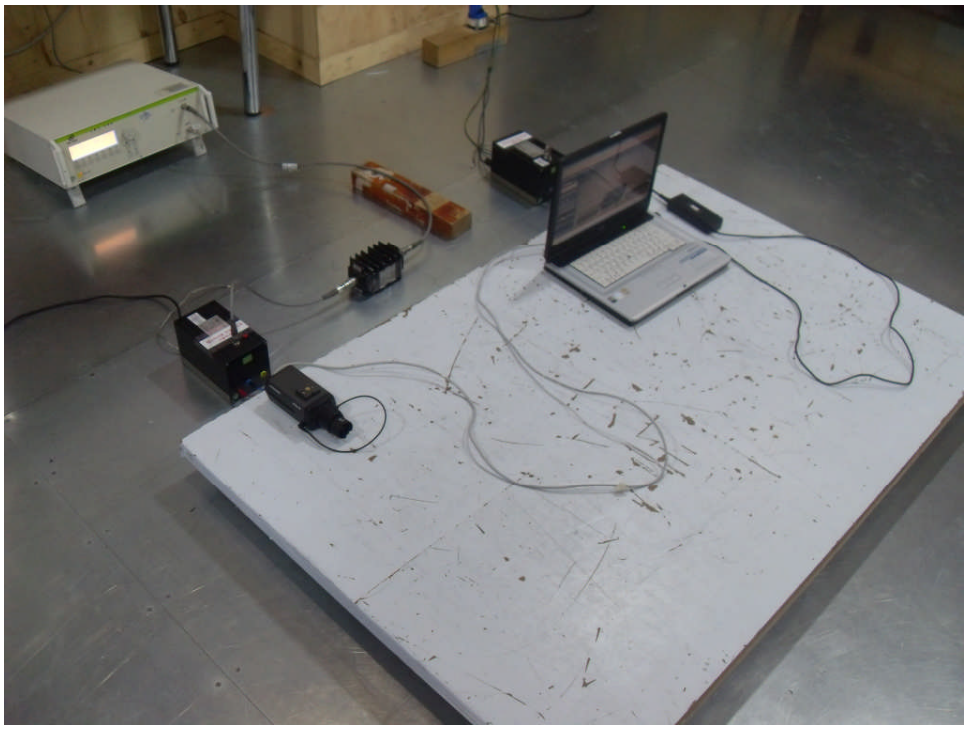
The frequency range was swept from 0.15 ㎒ to 100 ㎒. This frequency range was modulated with 1 ㎑ sine wave at 80 %.The signal generators provided the modulated frequency at a 1 % step size.

The power and all network cable, I/O cables longer than 3 m length were tested.

6.6.2 Used equipments

Equipment	Model no.	Serial no.	Makers	Next Cal. date	Used
CS generator	CWS 500 C S1	V0635101750	EM TEST	11.10.13	☒
CDN	CDN M2/M3	0906-12	EM TEST	11.10.13	☒
CDN	CDN M3-32A	0506-29	EM TEST	12.02.11	☒
Attenuator	73-6-34	MU918	MCE/WEINSCHEL	11.10.13	☒
EM Clamp	KEMZ 801	17643	Schaffner	11.04.19	☐
Current probe	MD720	W1345167/M6/ 0068	Schaffner	-	☐

6.6.3 Photographs of test setup



6.6.4 Measurement result

* AC Line

Coupling point	Coupling method	Result
AC 24 V	CDN (M2)	Complied

7. E.U.T. photographs

Front View

Rear View

Left View

Right View

Top View

Bottom View