

DECLARATION OF CONFORMITY

**We; Hanwha Techwin Company Limited
DECLARE UNDER OUR SOLE RESPONSIBILITY THAT THE PRODUCT;**

Report No: KES-E1-15T0301

**Type of
equipment:** NETWORK CAMERA

Model Name: SNV-6085RP

Applicant: Hanwha Techwin Company Limited

Address: 1204,Changwon-daero, Seongsan-gu, Chang-
won-si, Gyeongsangnam-do,Korea

Manufacturer : Tianjin Samsung Electronics Co.,Ltd.

Address: No.11 Weiliu Rd, Micro-Electronic
Industrial
Park, TEDA, Tianjin, 300385, People's
Republic of China

Test standards : AS/NZS CISPR22:2009+A1:2010

Classification: C-Tick

**The above equipment was tested by EMC compliance Testing
Laboratory for with the requirements of C-tick Rules and
Regulations. The results of testing in this report apply to the
product / system which was tested only.**

November. 16. 2015

(Date of issue)

(Name and signature of authorized person)



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AS/NZS EMI Test Report

Test Report No. : KES-E1-15T0301
Date of Issue : 11. 16. 2015
Description of Product : NETWORK CAMERA
Model No. : SNV-6085RP
Variant Model : -
Applicant : Hanwha Techwin Company Limited
Address : 1204, Changwon-daero, Seongsan-gu, Chang-won-si, Gyeongsangnam-do, Korea
Manufacturer : Tianjin Samsung Electronics Co., Ltd.
Address : No.11 Weiliu Rd, Micro-Electronic Industrial Park, TEDA, Tianjin, 300385, People's Republic of China
Applicable Regulation : AS/NZS CISPR22:2009 + A1:2010

Date of Receipt : 10. 22. 2015
Test Date : 11. 09. 2015 ~ 11. 10. 2015

Tested by:

Dae Hyun, Kim
Test Engineer

Reviewed by:

Dong Hun, Jang
Technical Manager



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Revision history

Revision	Date of issue	Test report No.	Description
-	11. 16. 2015	KES-E1-15T0301	Initial

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1. General Information

1.1 Introduction

The EMI Test Report for CE Declaration of Conformity is prepared on behalf of named applicant in accordance with the EMC Directive(2004/108/EC) of the European Economic Community. The test results reported in this document relate only to the item that was tested.

All radiated emission, conducted emission measurements required by the EMC Directive were performed manually at KES Co., Ltd. (here in after called KES), 473-29, Gayeo-ro, Yeoju-si, Gyeonggi-do, 12658, Korea

The radiated emission measurements performed on 10 meter, Open Area Test Site, test range maintained by KES. Complete ANSI63.4;2009 description and site attenuation measurement data records are maintained at the test facility and have been placed on file with the Federal Communications Commission.

The KES EMC test facilities in and Yeoju-si are designated testing laboratory according to ISO/IEC 17025 by Radio Research Agency(RRA), Korea Communication Commission.



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1.2 Product Description for Equipment Under Test (EUT)

Hanwha Techwin Company Limited, NETWORK CAMERA, Model No: SNV-6085R or the "E.U.T". as referred to in this report is base model.

Main Specifications of EUT are:

	SNV-6085R(N/P)
Video	
Imaging Device	1/2.8" PS Exmor 2.38M CMOS (IMX136)
Total Pixels	1952(H) x 1116(V)
Effective Pixels	1944(H) x 1104(V)
Scanning System	Progressive
Min. Illumination	Color : 0.25 Lux (F1.6, 50IRE), B/W : 0 Lux (F1.6, 50IRE) Color : 0.09 Lux (F1.6, 30IRE), B/W : 0 Lux (F1.6, 30IRE)
S / N Ratio	50dB
Video Out	CVBS : 1.0 Vp-p / 75Ω composite, 720x480(N), 720x576(P), for installation - DIP connector type
Lens	
Focal Length (Zoom Ratio)	10 ~ 23mm(2.3x) V/F
Max. Aperture Ratio	F1.6
Angular Field of View	H : 31.3°(Wide) ~ 13.9°(Tele), V : 17.1°(Wide) ~ 7.8°(Tele) ※ 1/2.8" Sensor
Min. Object Distance	0.8m
Focus Control	Simple Focus (Motorized V/F) / Manual - Remote control via network (Manual, Simple Focus)
Lens Type	P-Iris
Mount Type	Board-in type
Pan / Tilt / Rotate	
Pan Range	0° ~ +354°
Tilt Range	0° ~ +67°
Rotate Range	0° ~ +355°
Operational	
IR LED	14 ea
Viewable Length	20m
Camera Title	Off / On (Displayed up to 45 characters)
Day & Night	Auto (ICR) / Color / B/W / External / Schedule
Backlight Compensation	Off / BLC
Wide Dynamic Range	120dB
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)
Digital Noise Reduction	SSNR III (2D+3D Noise Filter) (Off / On)
Defog	Auto/Manual/Off
Digital Image Stabilization	Off / On
Motion Detection	Off / On (4ea 4 Points Polygonal zones)
Privacy Masking	Off / On (32 Zones with 4 Points of Polygonal)
Gain Control	Off / Low / Middle / High
White Balance	ATW / AVC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Minimum / Maximum / Anti flicker
Digital PTZ	-
Flip / Mirror	Off / On
Intelligent Video Analytics	Tampering, Virtual Line, Enter/Exit, Appear / Disappear, Audio Detection, Face Detection
Alarm I/O	Input 1ea / Output 1ea
Audio In	Selectable (Mic IN/Line IN), Max output level: 1 Vrms Supply voltage: 2.5VDC (4mA), Input impedance: approx. 2K Ohm
Audio out	Line out (3.5mm stereo mini jack)
Alarm Triggers	Motion detection, Tampering, Audio Detection, Face Detection, Video Analytics, Network Disconnection, Alarm Input
Alarm events	File upload via FTP and E-Mail Notification via E-Mail local storage(SD/SDHC/SDXC) or NAS recording at Event (Alarm Triggers) External output
Network	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264(MPEG-4 Part 10/AVC), Motion JPEG
Resolution	1920x1080 / 1280x1024 / 1280x960 / 1280x720 / 1024x768 / 800x600 / 800x450 / 640x480 / 640x360 / 320x240 / 320x180
Max. Frame rate	H.264 : Max 60fps at all resolutions Motion JPEG : 1920x1080 / 1280x1024 / 1280x960 / 1280x720 / 1024x768 : Max. 15 fps 800x600 / 800x450 / 640x480 / 640x360 / 320x240 / 320x180 : Max.
Smart Codec	30fps
Video Quality Adjustment	Manual mode(Area-based : 5ea), Face detection mode H.264 : Compression Level, Target Bitrate Level Control MJPEG : Quality Level Control
Bitrate Control Method	H.264 : CBR or VBR M-JPEG : VBR
Streaming Capability	Multiple Streaming (Up to 10 Profiles)
Audio Compression Format	G.711 u-law / G.726 Selectable G.726 (ADPCM) 8KHz, G.711 8KHz G.726 : 16Kbps, 24Kbps, 32Kbps, 40Kbps
Audio Communication	Bi-directional
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour
Security	HTTPS(SSL) Login Authentication Digest Login Authentication IP Address Filtering User access Log 802.1X Authentication
Streaming Method	Unicast / Multicast
Max. User Access	15 users at Unicast Mode
Edge Storage	Micro SD/SDHC Max 64G, NAS - Motion images recorded in the SD memory card can be downloaded - Manual recording at Local PC
Application Programming Interface	ONVIF Profile S, G SUNAPI(HTTP API), SVNPI
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatia, Hungary, Greek, Finnish, Norwegian
Web Viewer	Supported OS : Windows XP / VISTA / 7 / 8 / 8.1, MAC OS X 10.7 ~ 10.10 Supported Browser : Microsoft Internet Explorer (Ver. 8~11), Mozilla Firefox (Ver. 9~35), Google Chrome (Ver. 15~44), Apple Safari (Ver. 8.0.2(Mac OS X 10.10), 7.0.6(Mac OS X 10.9), 6.0.2 (Mac OS X 10.8, 10.7 only), 5.1.7) * Mac OS X only
Central Management Software	SmartViewer
Environmental	
Operating Temperature / Humidity	PoE, AC24, DC12V : -40°C ~ +55°C (-40°F ~ +131°F) / Less than 90% RH * Start up should be done at above -35°C
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
Ingress Protection	IP66
Vandal Resistance	IK10
Electrical	
Input Voltage / Current	AC24, DC12V, PoE(IEEE802.3af)
Power Consumption	Max. 11.0W(Heater Off) Max. 12.95W(Heater On)
Mechanical	
Color / Material	Ivory / Aluminum
Dimension (WxHxD)	Ø160 x H118.5mm
Weight	985g

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1.3 Equipment Under Test

Description	Model Number	Serial Number	Manufacturer	Remarks
NETWORK CAMERA	SNV-6085RP	-	Hanwha Techwin Company Limited	EUT

1.4 Support Equipments

Description	Model Number	Serial Number	Manufacturer	Remarks
Notebook	ProBook4430s	-	HP	-
Notebook Adapter	SeriesPPP0009H	-	CHICONY POWER TECHNOLOGY (SUZHOU) CO.,LTD,	-
alarm	-	-	-	-
PoE Adapter	PD3001GC/AC	RD9356082016964200	Power Dsine	-
Headset	RHS-2000	-	Royche	-

1.5 External I/O Cabling

Start		END		Cable Spec.	
Description	I/O Port	Description	I/O Port	Length	Shield
NETWORK CAMERA (E.U.T)	LAN(RJ-45)	Notebook	LAN(RJ-45)	3.0	Unshielded
	alarm 2 pin	Alarm Zig	alarm 2 pin	3.0	Unshielded
	LAN(RJ-45)	PoE Adapter	LAN(RJ-45)	3.0	Unshielded
PoE Adapter	RJ-45	Notebook	RJ-45	1.0	Unshielded

1.6 Special Accessories

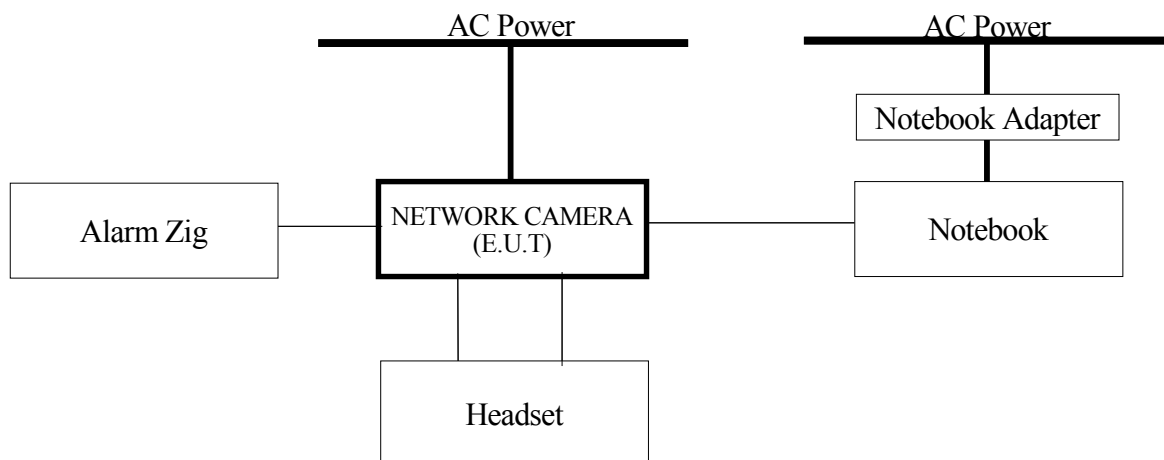
As shown in section 1.8, all interface cables used for compliance testing are shielded as normally supplied or by use respective component manufacturers.

1.7 EUT Modifications

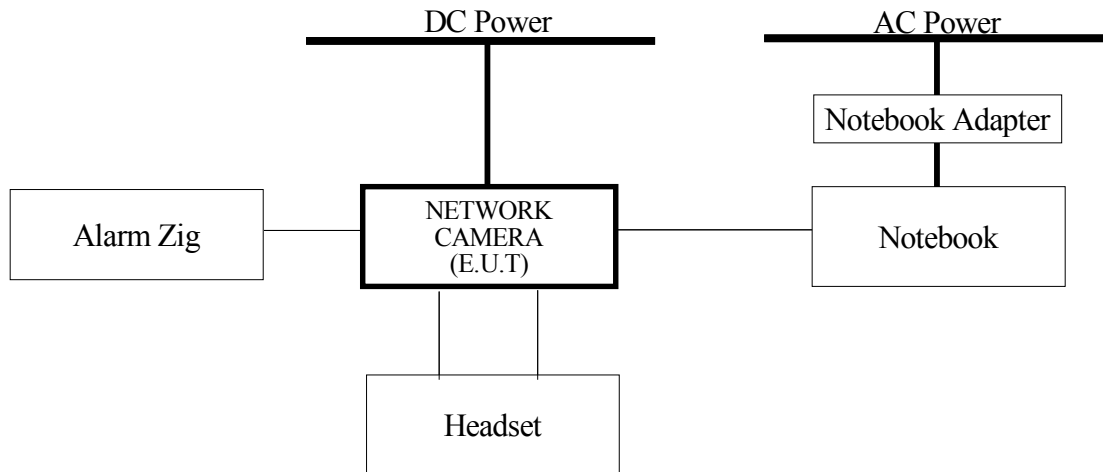
No modifications were made to the EUT in order to achieve and maintain compliance to the standards described in this report.

1.8 Configuration of Test System

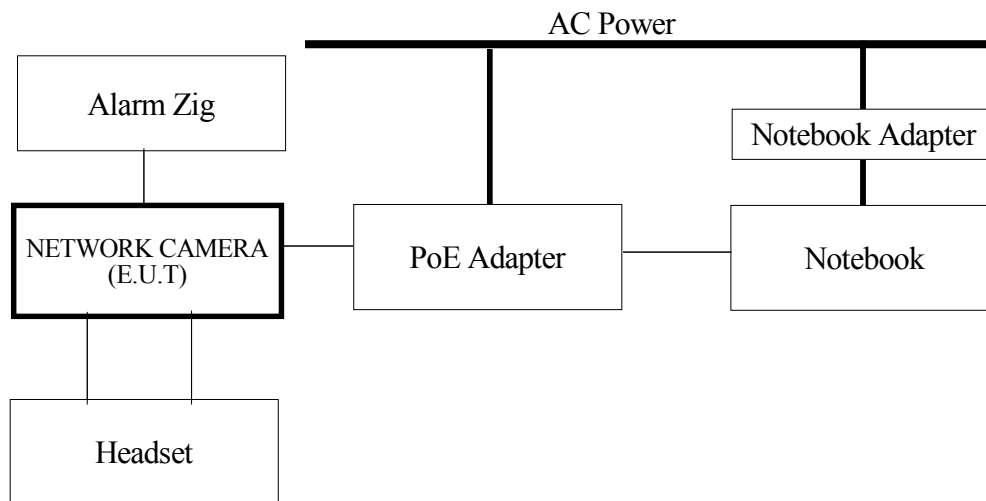
■ AC Mode



■ DC Mode



■ PoE Mode



1.9 Operating condition

- Normal operating Mode
- WebView Monitoring
- Pingtest

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2. Test standards and results

Specifications	Description	Test Point	Remark
CISPR22, Class A	Conducted Emission	AC Input Port	C
CISPR22, Class A	Radiated Emission	Enclosure	C

Note : C=Complies N/C=Not Complies N/T=Not Tested N/A=Not Applicable

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3. Test Performed

3.1 Conducted Emission Measurements

3.1.1 Test Description

The power line conducted emission measurements were performed in a shielded enclosure. The EUT was placed on a wooden table, 80 centimeters height above the floor. Power was fed to the EUT through a 50 ohm/ 50 micro henry Line Impedance Stabilization Network (LISN). The ground plane that was electrically bonded to the shield room ground system and all power lines entering the shield room were filtered.

3.1.2 Test Equipments

Description	Manufacturer	Model Number	Serial Number	Cal. Due
EMI Test Receiver	R&S	ESR3	101783	05. 06. 2016
LISN	R&S	ENV216	101137	02. 10. 2016
LISN	R&S	ENV216	101786	05. 06. 2016
8-Wire ISN CAT3	Schwarzbeck Mess	CAT3 8158	8158-0019	04. 02. 2016
8-Wire ISN CAT5	Schwarzbeck Mess	NTFM 8158	8158-0030	04. 02. 2016
Electro wave Shieldroom	SEMITEC	-	-	-

3.1.3 Test Environments

Ambient Temperatures : see the data
Relative Humidity : see the data

3.1.4 Test Limits

Frequency (MHz)	CISPR Publication 22			
	Class B		Class A	
	QP	AV	QP	AV
0.15 to 0.50	66 to 56	56 to 46	79	66
0.50 to 5.00	56	46	73	60
5.00 to 30.00	60	50	73	60

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- Telecommunication

Frequency (MHz)	CISPR 22(Voltage)			
	Class B (dB μ V)		Class A (dB μ V)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 to 0.50	84.0 to 74.0	74.0 to 64.0	97.0 to 87.0	84.0 to 74.0
0.50 to 30.00	74.0	64.0	87.0	74.0

Frequency (MHz)	CISPR 22(Current)			
	Class B (dB μ A)		Class A (dB μ A)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 to 0.50	40.0 to 30.0	30.0 to 20.0	53.0 to 43.0	40.0 to 30.0
0.50 to 30.00	30.0	20.0	43.0	30.0

3.1.5 Test Procedure

The conducted emission levels were measured on each current-carrying line with the spectrum analyzer operating in the CISPR quasi-peak mode (or peak mode if applicable). The analyzer's 6 dB bandwidth was set to 9 kHz. The initial step in collecting conducted data is a spectrum analyzer peak scan of the measurement range. If the conducted emission exceed the average limit with the instrument set to the quasi-peak mode, the measurements are made in the average mode. The emission spectrum was scanned from 150 kHz to 30 MHz. The highest emission amplitudes relative to the appropriate limits were measured and have been recorded. Quasi-peak readings are distinguished with a "QP".

The conducted emission test was performed with the EUT exercise program loaded, and the emissions were scanned between 150 kHz to 30 MHz on the HOT side and NEUTRAL side, herein referred to as H and N, respectively.

3.1.6 Test Results

According to the data in section 2.1.7, the EUT complied with the CISPR22 standards.



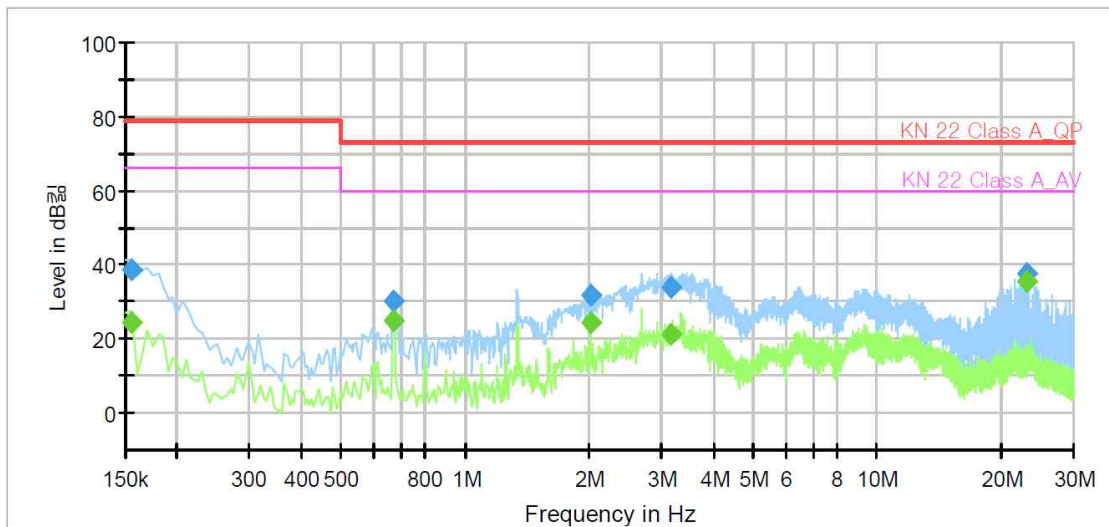
3.1.7 Test Data

Temperature: 18.6 °C Humidity: 53.9 % R.H. Test Date: 11. 10. 2015 Tested by: Dae Hyun, Kim

■ AC Mode

Polarization: HOT

Test Description: Conducted Emission
Model No.: SNV-6085RP
Mode AC Mode
Operator Name: KES



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.155000	---	24.32	66.00	41.68	1000.0	9.000	L1	9.7
0.155000	38.40	---	79.00	40.60	1000.0	9.000	L1	9.7
0.670000	---	24.92	60.00	35.08	1000.0	9.000	L1	9.7
0.670000	29.93	---	73.00	43.07	1000.0	9.000	L1	9.7
2.015000	---	24.50	60.00	35.50	1000.0	9.000	L1	9.7
2.015000	31.74	---	73.00	41.26	1000.0	9.000	L1	9.7
3.150000	---	21.12	60.00	38.88	1000.0	9.000	L1	9.8
3.150000	33.67	---	73.00	39.33	1000.0	9.000	L1	9.8
23.130000	---	35.53	60.00	24.47	1000.0	9.000	L1	10.2
23.130000	37.71	---	73.00	35.29	1000.0	9.000	L1	10.2



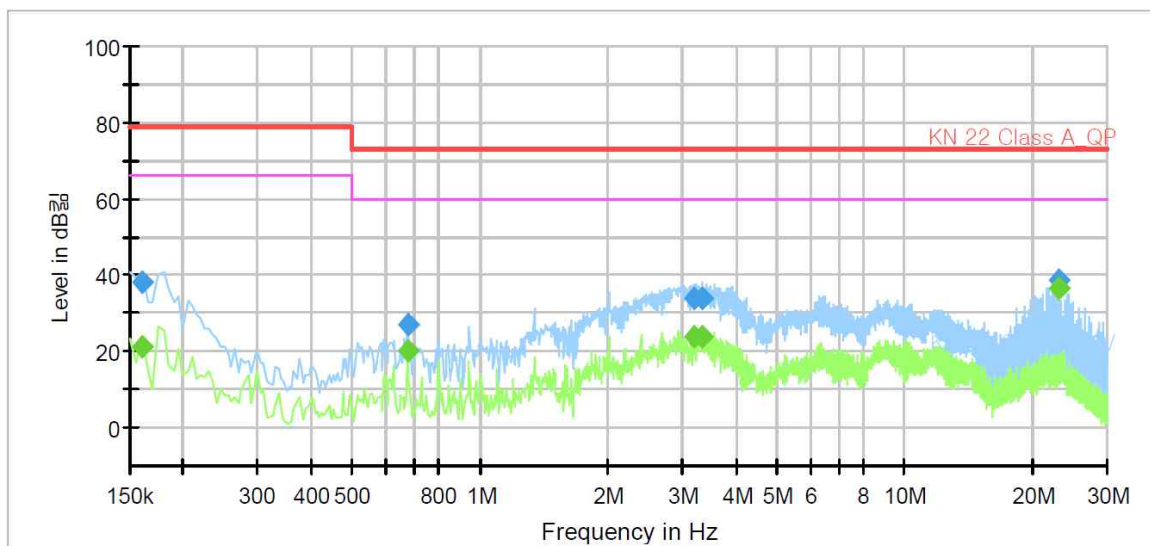
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Polarization: NEUTRAL

Test Description: Conducted Emission
Model No.: SNV-6085RP
Mode AC Mode
Operator Name: KES



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.160000	---	21.29	66.00	44.71	1000.0	9.000	N	9.6
0.160000	38.31	---	79.00	40.69	1000.0	9.000	N	9.6
0.675000	---	20.09	60.00	39.91	1000.0	9.000	N	9.7
0.675000	27.11	---	73.00	45.89	1000.0	9.000	N	9.7
3.195000	---	23.91	60.00	36.09	1000.0	9.000	N	9.8
3.195000	34.02	---	73.00	38.98	1000.0	9.000	N	9.8
3.345000	---	23.92	60.00	36.08	1000.0	9.000	N	9.8
3.345000	33.96	---	73.00	39.04	1000.0	9.000	N	9.8
23.130000	---	36.48	60.00	23.52	1000.0	9.000	N	10.0
23.130000	38.64	---	73.00	34.36	1000.0	9.000	N	10.0

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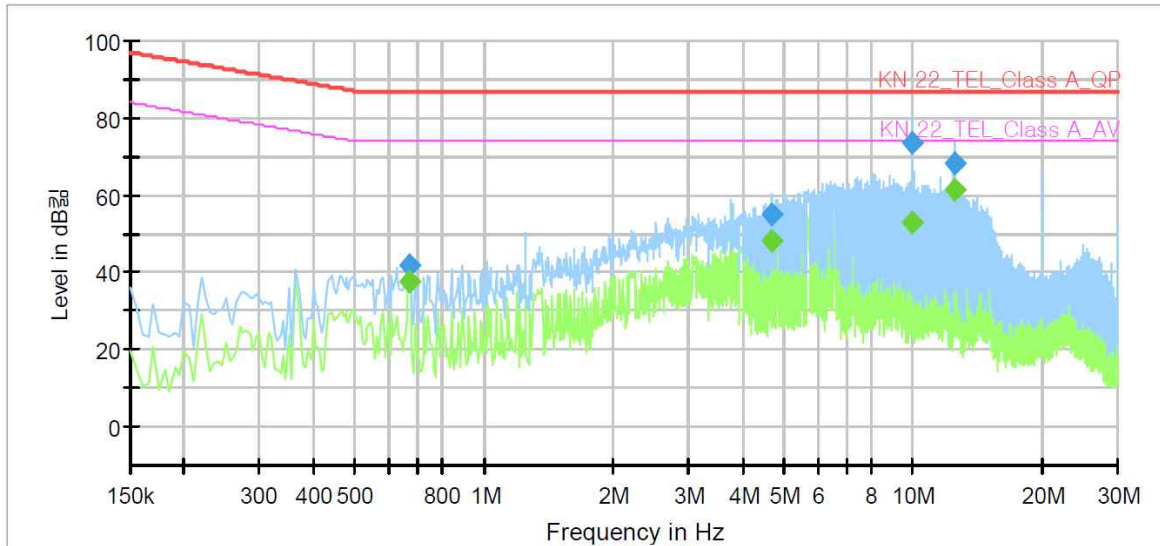
- Telecommunication

Temperature: 18.6 °C Humidity: 53.9 % R.H. Test Date: 11. 10. 2015 Tested by: Dae Hyun, Kim

■ AC Mode

[10 Mbps]

Test Description: Telecommunication Emission
 Model No.: SNV-6085RP
 Mode: AC Mode_10 Mbps
 Operator Name: KES



Final_Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.670000	---	37.80	74.00	36.20	1000.0	9.000	Single Line	10.0
0.670000	41.76	---	87.00	45.24	1000.0	9.000	Single Line	10.0
4.675000	---	48.09	74.00	25.91	1000.0	9.000	Single Line	10.0
4.675000	54.82	---	87.00	32.18	1000.0	9.000	Single Line	10.0
9.995000	---	52.73	74.00	21.27	1000.0	9.000	Single Line	10.1
9.995000	73.36	---	87.00	13.64	1000.0	9.000	Single Line	10.1
12.500000	---	61.31	74.00	12.69	1000.0	9.000	Single Line	10.1
12.500000	68.14	---	87.00	18.86	1000.0	9.000	Single Line	10.1



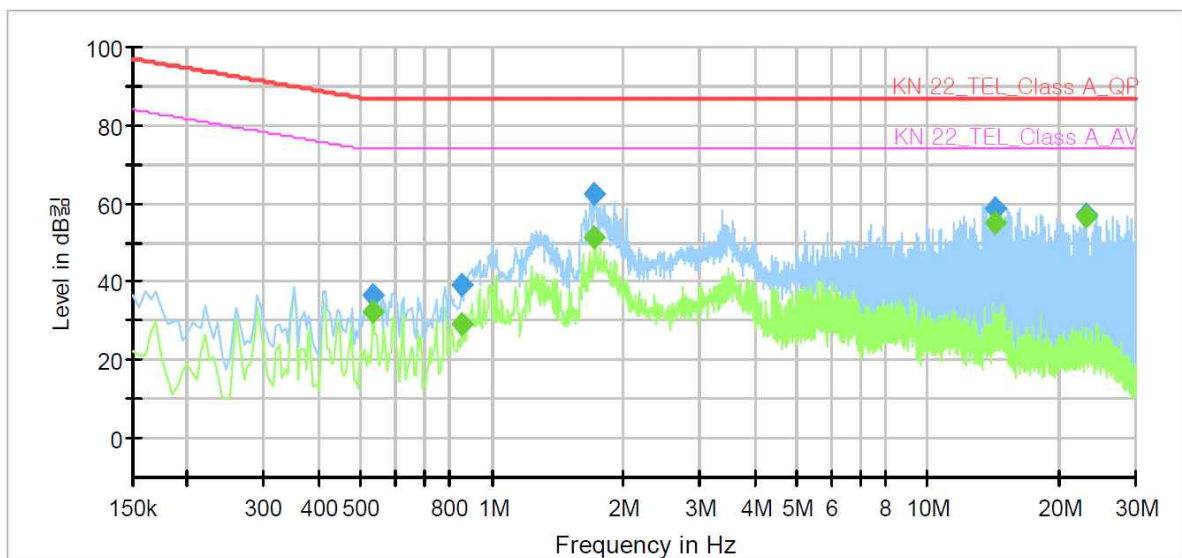
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[100 Mbps]

Test Description: Telecommunication Emission
Model No.: SNV-6085RP
Mode: AC Mode_100 Mbps
Operator Name: KES



Final_Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.535000	---	32.57	74.00	41.43	1000.0	9.000	Single Line	9.6
0.535000	36.48	---	87.00	50.52	1000.0	9.000	Single Line	9.6
0.855000	---	28.91	74.00	45.09	1000.0	9.000	Single Line	9.5
0.855000	39.01	---	87.00	47.99	1000.0	9.000	Single Line	9.5
1.720000	---	51.27	74.00	22.73	1000.0	9.000	Single Line	9.4
1.720000	62.62	---	87.00	24.38	1000.0	9.000	Single Line	9.4
14.335000	---	55.26	74.00	18.74	1000.0	9.000	Single Line	9.6
14.335000	58.83	---	87.00	28.17	1000.0	9.000	Single Line	9.6
23.130000	---	56.41	74.00	17.59	1000.0	9.000	Single Line	9.6
23.130000	57.41	---	87.00	29.59	1000.0	9.000	Single Line	9.6

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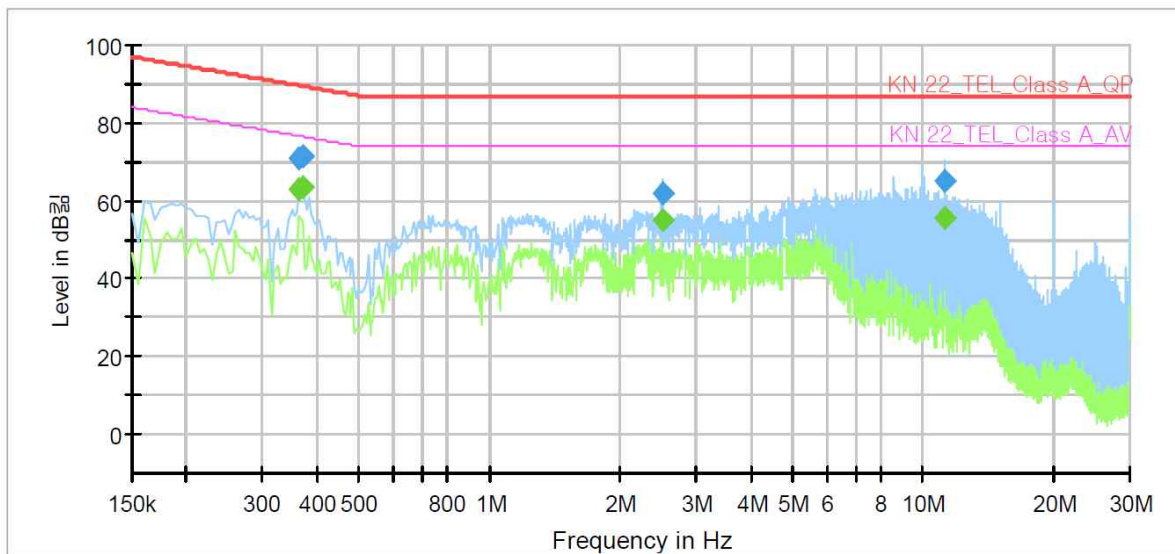
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■ DC Mode

[10 Mbps]

Test Description: Telecommunication Emission
Model No.: SNV-6085RP
Mode: DC Mode_10 Mbps
Operator Name: KES



Final_Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.365000	---	63.18	76.61	13.43	1000.0	9.000	Single Line	10.1
0.365000	70.98	---	89.61	18.63	1000.0	9.000	Single Line	10.1
0.370000	---	63.63	76.50	12.87	1000.0	9.000	Single Line	10.1
0.370000	71.64	---	89.50	17.86	1000.0	9.000	Single Line	10.1
2.500000	---	54.84	74.00	19.16	1000.0	9.000	Single Line	9.9
2.500000	62.05	---	87.00	24.95	1000.0	9.000	Single Line	9.9
11.250000	---	55.40	74.00	18.60	1000.0	9.000	Single Line	10.1
11.250000	64.91	---	87.00	22.09	1000.0	9.000	Single Line	10.1

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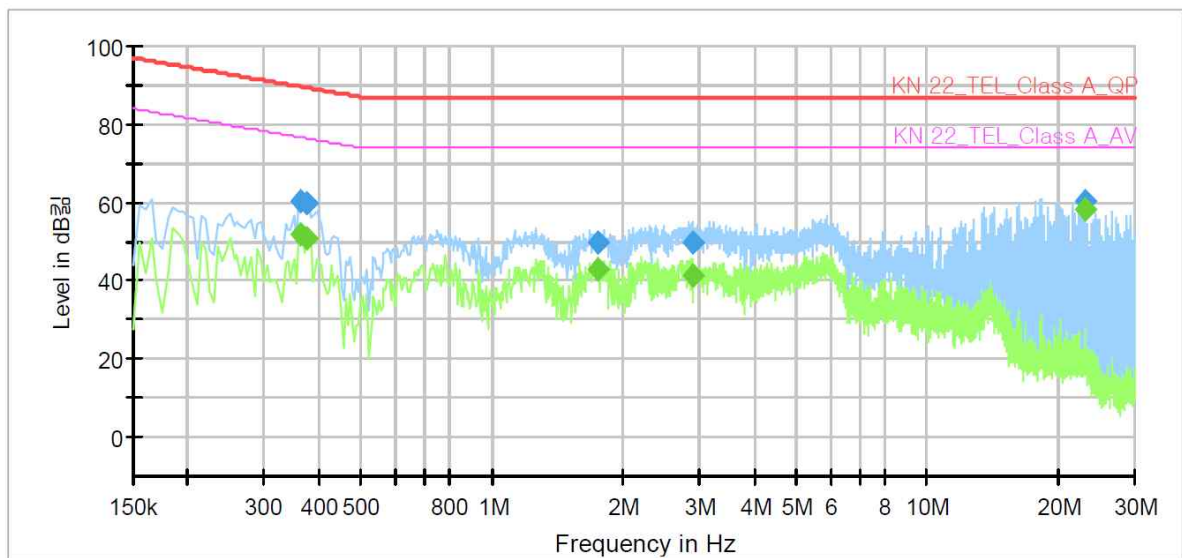
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[100 Mbps]

Test Description: Telecommunication Emission
Model No.: SNV-6085RP
Mode: DC Mode_100 Mbps
Operator Name: KES



Final_Result

Frequency (MHz)	QuasiPeak (dBm)	CAverage (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.365000	---	51.94	76.61	24.67	1000.0	9.000	Single Line	9.6
0.365000	60.11	---	89.61	29.50	1000.0	9.000	Single Line	9.6
0.375000	---	50.80	76.39	25.59	1000.0	9.000	Single Line	9.6
0.375000	60.07	---	89.39	29.32	1000.0	9.000	Single Line	9.6
1.760000	---	42.72	74.00	31.28	1000.0	9.000	Single Line	9.4
1.760000	49.56	---	87.00	37.44	1000.0	9.000	Single Line	9.4
2.895000	---	41.52	74.00	32.48	1000.0	9.000	Single Line	9.4
2.895000	49.96	---	87.00	37.04	1000.0	9.000	Single Line	9.4
23.130000	---	58.07	74.00	15.93	1000.0	9.000	Single Line	9.6
23.130000	60.31	---	87.00	26.69	1000.0	9.000	Single Line	9.6

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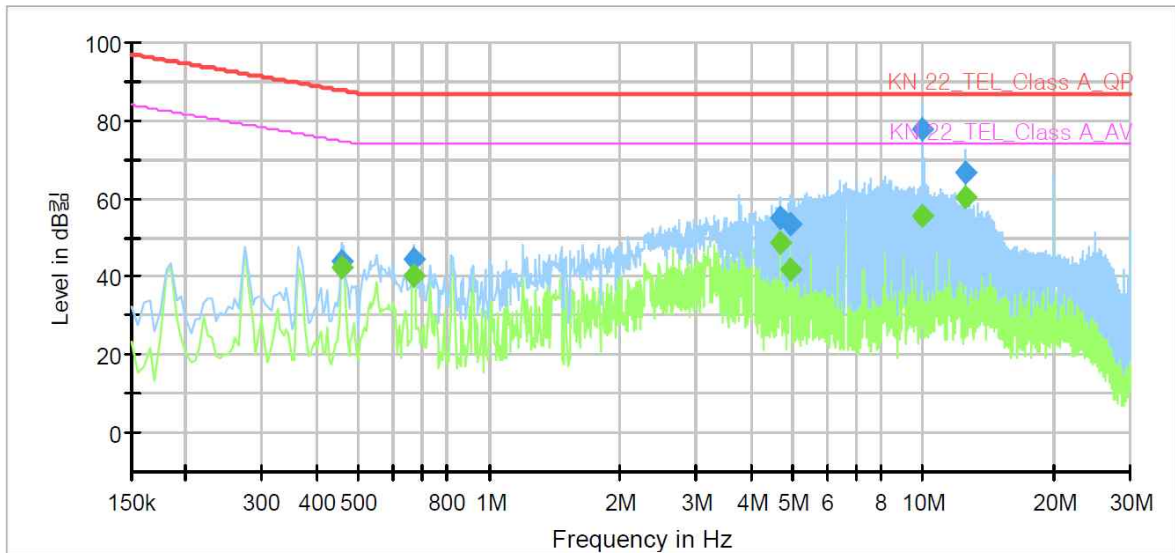
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■ PoE Mode

[10 Mbps]

Test Description: Telecommunication Emission
Model No.: SNV-6085RPS
Mode: PoE Mode_10 Mbps
Operator Name: KES



Final_Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.455000	---	42.51	74.78	32.27	1000.0	9.000	Single Line	10.1
0.455000	44.10	---	87.78	43.68	1000.0	9.000	Single Line	10.1
0.670000	---	40.13	74.00	33.87	1000.0	9.000	Single Line	10.0
0.670000	44.27	---	87.00	42.73	1000.0	9.000	Single Line	10.0
4.675000	---	48.84	74.00	25.16	1000.0	9.000	Single Line	10.0
4.675000	55.03	---	87.00	31.97	1000.0	9.000	Single Line	10.0
4.960000	---	41.91	74.00	32.09	1000.0	9.000	Single Line	10.0
4.960000	53.61	---	87.00	33.39	1000.0	9.000	Single Line	10.0
10.000000	---	55.74	74.00	18.26	1000.0	9.000	Single Line	10.1
10.000000	77.86	---	87.00	9.14	1000.0	9.000	Single Line	10.1
12.500000	---	60.22	74.00	13.78	1000.0	9.000	Single Line	10.1
12.500000	66.63	---	87.00	20.37	1000.0	9.000	Single Line	10.1

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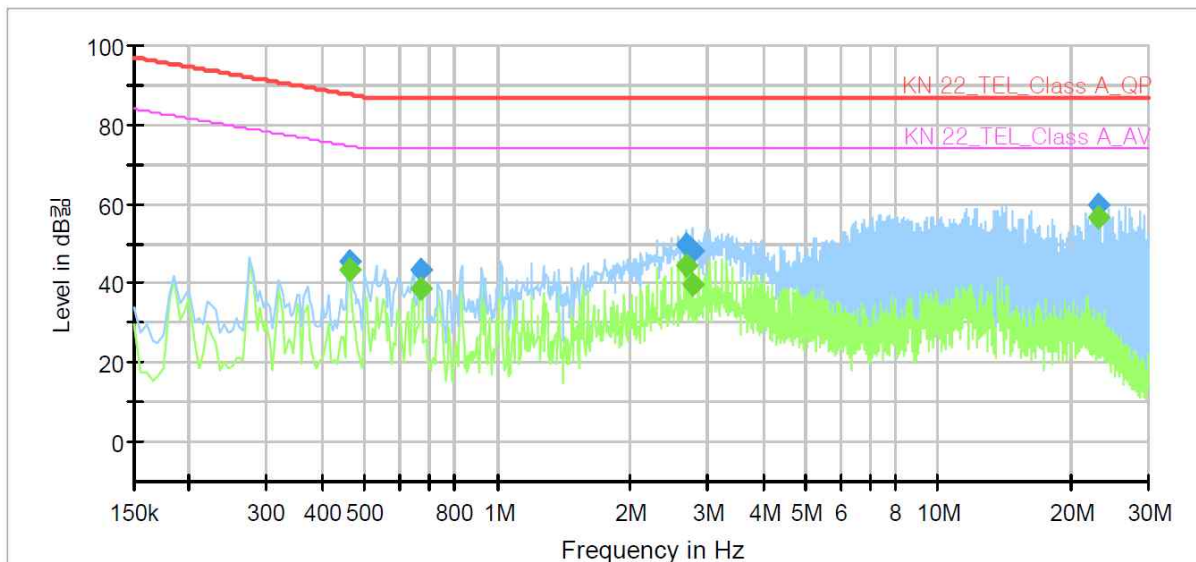
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[100 Mbps]

Test Description: Telecommunication Emission
Model No.: SNV-6085RP
Mode: PoE Mode_100 Mbps
Operator Name: KES



Final Result

Frequency (MHz)	QuasiPeak (dBm)	CAverage (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.460000	---	43.65	74.69	31.04	1000.0	9.000	Single Line	9.6
0.460000	45.43	---	87.69	42.26	1000.0	9.000	Single Line	9.6
0.670000	---	38.67	74.00	35.33	1000.0	9.000	Single Line	9.5
0.670000	43.53	---	87.00	43.47	1000.0	9.000	Single Line	9.5
2.670000	---	44.63	74.00	29.37	1000.0	9.000	Single Line	9.4
2.670000	50.00	---	87.00	37.00	1000.0	9.000	Single Line	9.4
2.760000	---	39.82	74.00	34.18	1000.0	9.000	Single Line	9.4
2.760000	48.13	---	87.00	38.87	1000.0	9.000	Single Line	9.4
23.130000	---	56.51	74.00	17.49	1000.0	9.000	Single Line	9.6
23.130000	60.07	---	87.00	26.93	1000.0	9.000	Single Line	9.6

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3.2 Radiated Emission Measurements

3.2.1 Test Description

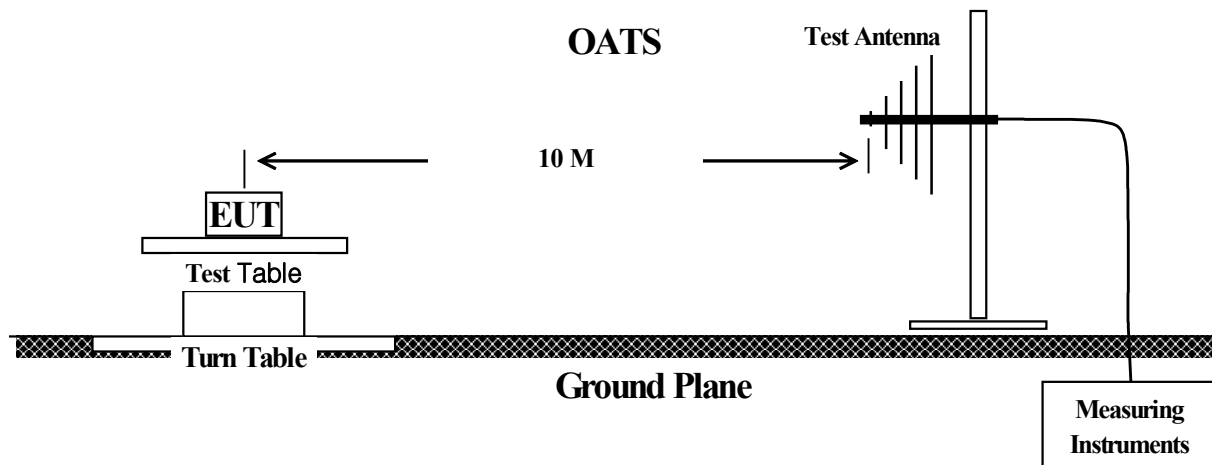
The radiated emissions measurements were performed on the ten-meter, open-field test site. The EUT was placed on a nonconductive turntable approximately 0.8 meters above the ground plane.

The frequency spectrum from 30 MHz to 1 000 MHz and 1 000 MHz to 6 000 MHz was scanned and maximum emission levels at each frequency recorded.

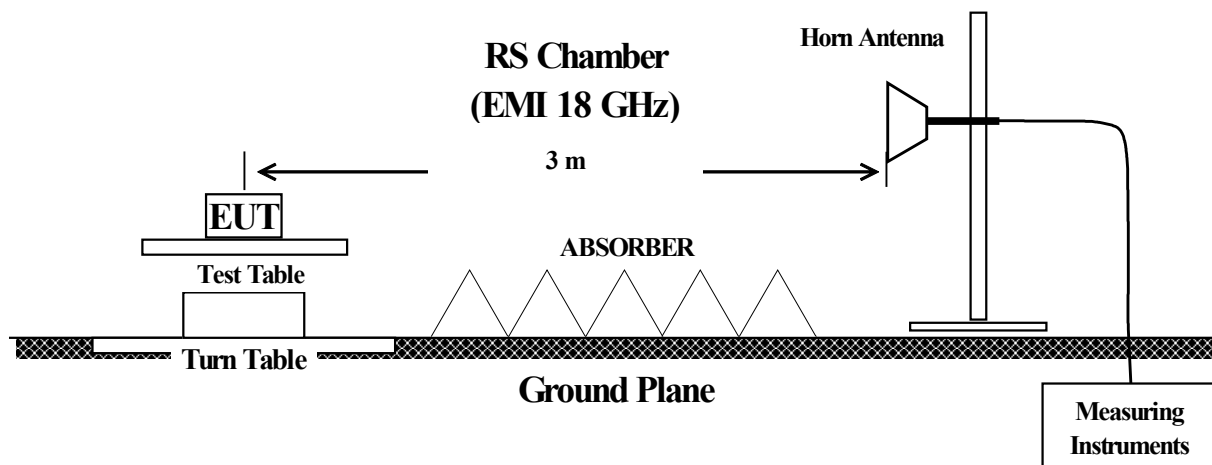
The system was rotated 360°, and the antenna was varied in the height between 1.0 and 4.0 meters in order to determine the maximum emission levels. This procedure was performed for horizontal and vertical polarization of the receiving antenna.

- above 1 GHz : Antenna height is fixed to 1.0 m

* Below 1 GHz



* Above 1 GHz



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3.2.2 Test Equipments

Description	Manufacturer	Model Number	Serial Number	Cal. Due
EMI TEST Receiver	R & S	ESR3	101781	05. 06. 2016
Trilog-Broadband Antenna	SCHWARZBECK	VULB 9163	9163-713	05. 15. 2017
OATS	KES	-	-	-
Antenna Mast	DAEIL EMC	-	-	-
Turn Table	DAEIL EMC	-	-	-
EMI TEST Receiver	R & S	ESU26	100552	05. 06. 2016
BroadbandCoaxial Preamplifier	A-H-SYSTEM,INC	SAS-571	871	05. 07. 2017
Double Ridged Horn Antenna	Schwarzbeck Mess - Elektronik	BBV 9718	9718-246	10. 23. 2016
Semi Anachoic Chamber #2	SEMITEC	-	-	-
Antenna Mast	AUDIX	-	-	-
Turn Table	AUDIX	-	-	-

3.2.3 Test Environments

Temperatures : see the data
Humidity : see the data

3.2.4 Test Limits*** Below 1 GHz**

Frequency (MHz)	CISPR Publication 22	
	Class B	Class A
	Quasi-peak dB(uV/m)	Quasi-peak dB(uV/m)
0,15 to 30	Under consideration	Under consideration
30 to 230	30	40
230 to 1 000	37	47

*** Above 1 GHz**

Frequency (MHz)	CISPR Publication 22			
	Class B @ 3 m (dBµV/m)		Class A @ 3 m (dBµV/m)	
	PK	AV	PK	AV
1 000 to 3 000	70	50	76	56
3 000 to 6 000	74	54	80	60

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3.2.5 Test Procedure

Before final measurements of radiated emission were made on the OATS, the EUT was scanned in semi-anechoic chamber in order to determine its emission spectrum signature. The physical arrangement of the test system and associated cabling was varied in order to determine the effect on the EUT's emission in amplitude, direction and frequency. This process was repeated during final radiated emission measurements on the OATS range, at each frequency, in order to ensure that maximum emissions amplitudes were attained.

The radiated emission test was performed with EUT exercise program loaded, and the emissions were scanned between 30 MHz to 1 000 MHz and 1 000 MHz to 6 000 MHz using the spectrum analyzer. The spectrum analyzer's 6 dB bandwidth was set to 120 kHz(1 MHz), and the analyzer was operated in the CISPR quasi-peak (Peak) detection mode.

Measurements were taken using both HORIZONTAL and VERTICAL antenna polarization, herein referred to as H and V, respectively.

Field Strength Calculation

The Field Strength (FS) is calculated by adding the Antenna Factor (AF) and Cable Factor (CF) and Amplifier Gain(AG) from the Measured Reading (MR). The basic equation with a sample calculation is as follows:

$$* \text{ Below 1 GHz : FS(dB}\mu\text{V/m)} = \text{MR(dB}\mu\text{V)} + [\text{AF(dB/m)} + \text{CF(dB)}]$$

$$* \text{ Above 1 GHz : FS(dB}\mu\text{V/m)} = \text{MR(dB}\mu\text{V)} + [\text{AF(dB/m)} + \text{CF(dB)}] - \text{AG}$$



3.2.6 Test Results

According to the data in section 3.2.7, the EUT complied with the CISPR22 standards.

3.2.7 Test Data

* Below 1 GHz

Temperature: 12.7 °C Humidity: 76.0 % R.H. Test Date: 11. 10. 2016 Tested by: Dae Hyun, Kim

■ AC Mode

Frequency (MHz)	Amplitude (dB μ V/m)	Antenna		Correction Factor		Corrected Amplitude (dB μ V/m)	Applicable Limit (dB μ V/m)	Margin (dB)
		Polar. (H/V)	Height (m)	Ant. (dB)	Cable (dB)			
50.18	16.44	V	1.00	13.93	1.75	32.12	40.00	7.88
56.42	11.86	V	1.00	13.14	1.86	26.86	40.00	13.14
74.51	18.14	V	1.00	8.50	2.19	28.83	40.00	11.17
183.05	19.22	H	4.00	9.70	3.65	32.57	40.00	7.43
225.75	17.76	H	4.00	11.87	4.10	33.73	40.00	6.27
666.18	13.59	H	3.80	19.56	7.80	40.95	47.00	6.05
668.26	15.09	V	1.20	19.57	7.81	42.47	47.00	4.53

■ DC Mode

Frequency (MHz)	Amplitude (dB μ V/m)	Antenna		Correction Factor		Corrected Amplitude (dB μ V/m)	Applicable Limit (dB μ V/m)	Margin (dB)
		Polar. (H/V)	Height (m)	Ant. (dB)	Cable (dB)			
53.14	8.42	V	1.00	13.55	1.80	23.77	40.00	16.23
225.76	9.88	H	4.00	11.87	4.10	25.85	40.00	14.15
225.76	12.73	V	1.00	11.87	4.10	28.70	40.00	11.30
525.47	10.04	H	4.00	17.66	6.79	34.49	47.00	12.51
587.69	7.40	V	1.00	19.03	7.29	33.72	47.00	13.28
668.32	14.60	V	1.00	19.57	7.81	41.98	47.00	5.02

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■ PoE Mode

Frequency (MHz)	Amplitude (dB μ V/m)	Antenna		Correction Factor		Corrected Amplitude (dB μ V/m)	Applicable Limit (dB μ V/m)	Margin (dB)
		Polar. (H/V)	Height (m)	Ant. (dB)	Cable (dB)			
81.18	21.34	V	1.00	7.37	2.29	31.00	40.00	9.00
225.71	13.02	V	1.00	11.87	4.10	28.99	40.00	11.01
225.71	17.52	H	4.00	11.87	4.10	33.49	40.00	6.51
400.19	13.66	V	2.00	15.70	5.78	35.14	47.00	11.86
556.24	12.81	V	1.70	18.34	7.04	38.19	47.00	8.81
666.25	11.19	H	3.84	19.57	7.80	38.56	47.00	8.44
668.32	15.52	V	2.00	19.57	7.81	42.90	47.00	4.10

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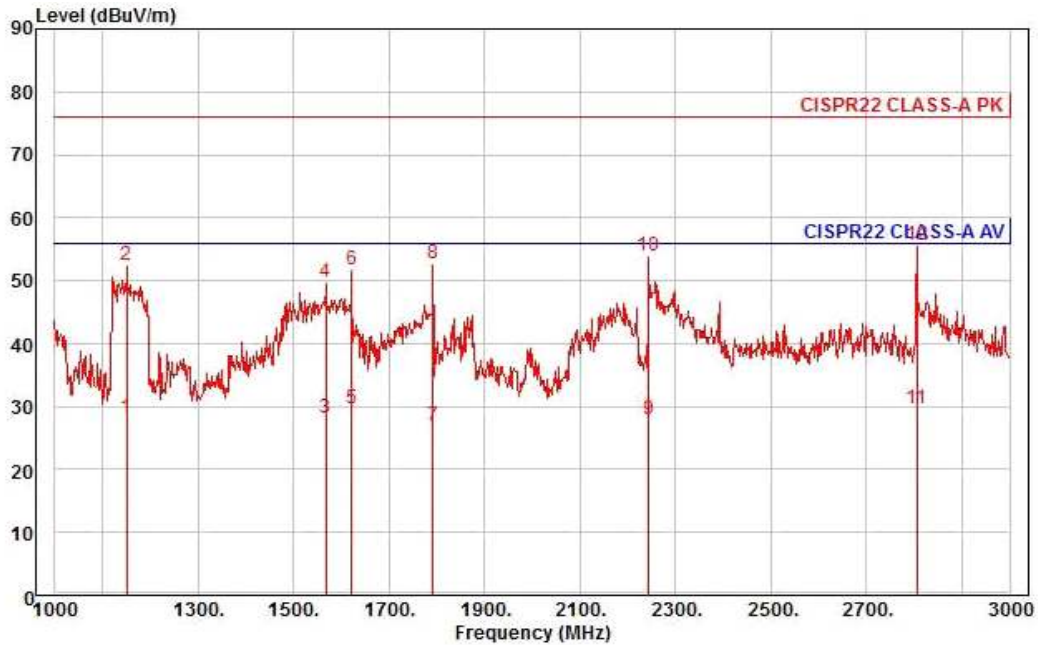
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* Above 1 GHz

Temperature: 19.9 °C Humidity: 58.0 % R.H. Test Date: 11. 09. 2015 Tested by: Dae Hyun, Kim

■ AC Mode



Site : chamber
Condition: CISPR22 CLASS-A PK 3m HORN781(2015.05.07) horizontal
: RBW:1000.000kHz VBW:1000.000kHz SWT:Auto
Project : NETWORK CAMERA
Model : SNV-6085RP
Mode : AC
Memo : 1 ~ 3 GHz

		Read	Ant	Cable	Preamp	TPos	Limit	Over		
	Freq	Level	Factor	Loss	Factor		Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	deg	dBuV/m	dB		
1	1150.00	37.33	24.51	6.48	40.05	40	56.00	-27.73	horizontal	Average
2	1150.00	61.51	24.51	6.48	40.05	40	76.00	-23.55	horizontal	Peak
3	1568.00	34.09	26.16	7.68	39.84	49	56.00	-27.91	horizontal	Average
4	1568.00	55.81	26.16	7.68	39.84	49	76.00	-26.19	horizontal	Peak
5	1622.00	35.26	26.38	7.84	39.82	23	56.00	-26.34	horizontal	Average
6	1622.00	57.37	26.38	7.84	39.82	23	76.00	-24.23	horizontal	Peak
7	1792.00	31.45	27.05	8.32	39.73	64	56.00	-28.91	horizontal	Average
8	1792.00	57.06	27.05	8.32	39.73	64	76.00	-23.30	horizontal	Peak
9	2244.00	29.66	28.48	9.60	39.77	59	56.00	-28.03	horizontal	Average
10	2244.00	55.54	28.48	9.60	39.77	59	76.00	-22.15	horizontal	Peak
11 av	2806.00	28.87	29.85	11.16	40.10	59	56.00	-26.22	horizontal	Average
12 pp	2806.00	54.72	29.85	11.16	40.10	59	76.00	-20.37	horizontal	Peak

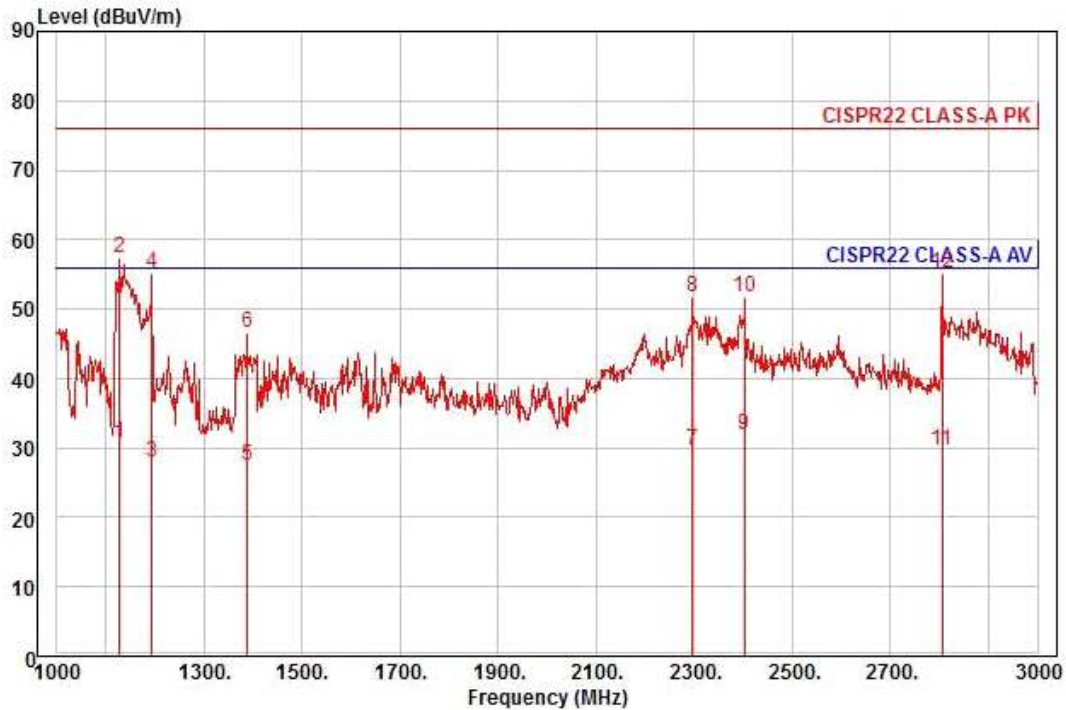
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Site : chamber
Condition: CISPR22 CLASS-A PK 3m HORN781(2015.05.07) vertical
: RBW:1000.000kHz VBW:1000.000kHz SWT:Auto
Project : NETWORK CAMERA
Model : SNV-6085RP
Mode : AC
Memo : 1 ~ 3 GHz

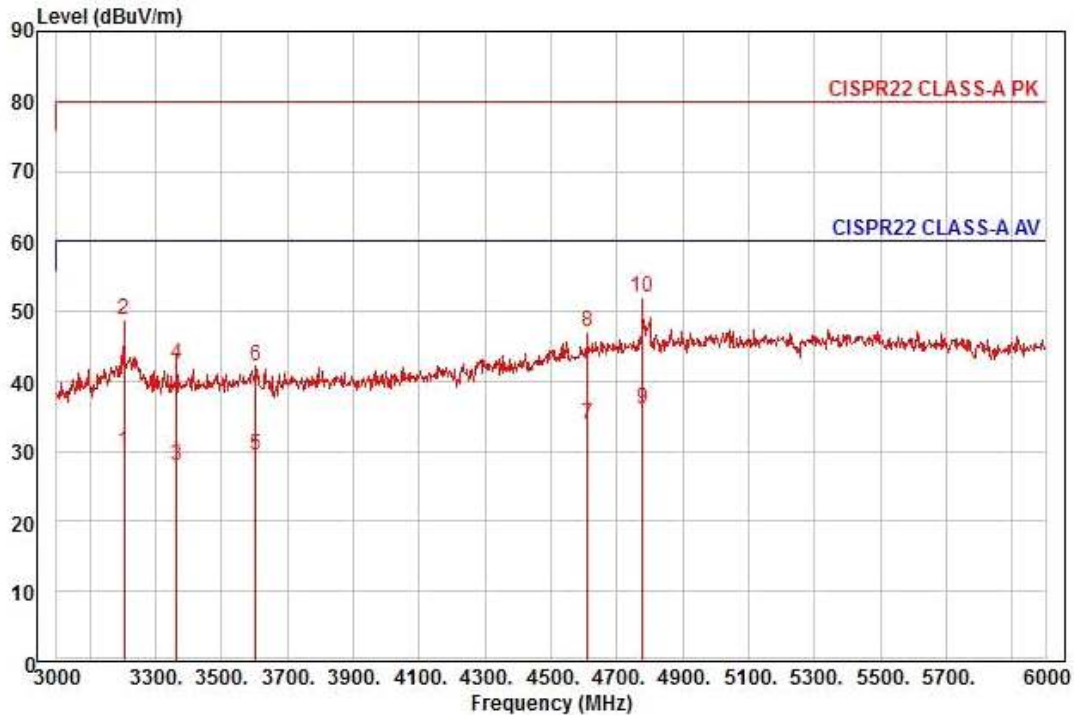
	Freq	Read Level	Ant Factor	Cable Loss	Preamplifier Factor	TPos	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	deg	dBuV/m	dB		
1	1128.00	39.81	24.42	6.42	40.06	13	56.00	-25.41	vertical	Average
2 pp	1128.00	66.67	24.42	6.42	40.06	13	76.00	-18.55	vertical	Peak
3	1194.00	36.72	24.68	6.61	40.02	19	56.00	-28.01	vertical	Average
4	1194.00	63.99	24.68	6.61	40.02	19	76.00	-20.74	vertical	Peak
5	1388.00	34.84	25.45	7.16	39.93	33	56.00	-28.48	vertical	Average
6	1388.00	54.03	25.45	7.16	39.93	33	76.00	-29.29	vertical	Peak
7	2296.00	31.06	28.61	9.74	39.80	19	56.00	-26.39	vertical	Average
8	2296.00	53.21	28.61	9.74	39.80	19	76.00	-24.24	vertical	Peak
9 av	2402.00	32.93	28.86	10.04	39.86	140	56.00	-24.03	vertical	Average
10	2402.00	52.65	28.86	10.04	39.86	140	76.00	-24.31	vertical	Peak
11	2806.00	28.81	29.85	11.16	40.10	30	56.00	-26.28	vertical	Average
12	2806.00	54.31	29.85	11.16	40.10	30	76.00	-20.78	vertical	Peak



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Site : chamber
Condition: CISPR22 CLASS-A PK 3m HORN781(2015.05.07) horizontal
: RBW:1000.000kHz VBW:1000.000kHz SWT:Auto
Project : NETWORK CAMERA
Model : SNV-6085RP
Mode : AC
Memo : 3 ~ 6 GHz

	Freq	Read Level	Ant Factor	Cable Loss	Preamp Factor	TPos	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	deg	dBuV/m	dB		
1	3204.00	27.44	30.67	11.97	40.25	65	60.00	-30.17	horizontal	Average
2	3204.00	46.50	30.67	11.97	40.25	65	80.00	-31.11	horizontal	Peak
3	3363.00	25.02	30.94	12.18	40.28	65	60.00	-32.14	horizontal	Average
4	3363.00	39.62	30.94	12.18	40.28	65	80.00	-37.54	horizontal	Peak
5	3603.00	25.82	31.34	12.50	40.33	50	60.00	-30.67	horizontal	Average
6	3603.00	38.63	31.34	12.50	40.33	50	80.00	-37.86	horizontal	Peak
7	4611.00	24.62	35.50	14.15	40.41	119	60.00	-26.14	horizontal	Average
8	4611.00	37.85	35.50	14.15	40.41	119	80.00	-32.91	horizontal	Peak
9 pp	4779.00	25.48	36.46	14.46	40.41	250	60.00	-24.01	horizontal	Average
10 pk	4779.00	41.59	36.46	14.46	40.41	250	80.00	-27.90	horizontal	Peak

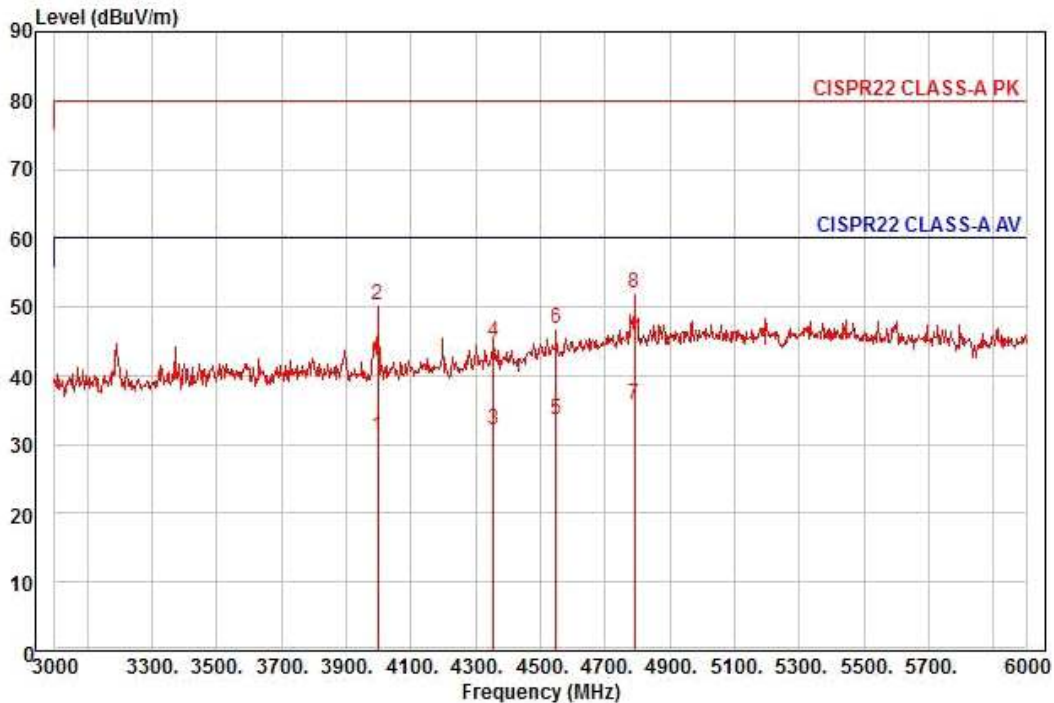
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Site : chamber
Condition: CISPR22 CLASS-A PK 3m HORN781(2015.05.07) vertical
: RBW:1000.000kHz VBW:1000.000kHz SWT:Auto
Project : NETWORK CAMERA
Model : SNV-6085RP
Mode : AC
Memo : 3 ~ 6 GHz

		Read	Ant	Cable	Preamp	TPos	Limit	Over		
	Freq	Level	Factor	Loss	Factor		Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	deg	dBuV/m	dB		
1	3999.00	26.59	32.01	13.03	40.41	205	60.00	-28.78	vertical	Average
2	3999.00	45.68	32.01	13.03	40.41	205	80.00	-29.69	vertical	Peak
3	4356.00	24.74	34.04	13.69	40.41	21	60.00	-27.94	vertical	Average
4	4356.00	37.44	34.04	13.69	40.41	21	80.00	-35.24	vertical	Peak
5	4548.00	24.78	35.14	14.04	40.41	101	60.00	-26.45	vertical	Average
6	4548.00	38.18	35.14	14.04	40.41	101	80.00	-33.05	vertical	Peak
7 pp	4791.00	25.31	36.53	14.49	40.41	205	60.00	-24.08	vertical	Average
8 pk	4791.00	41.41	36.53	14.49	40.41	205	80.00	-27.98	vertical	Peak

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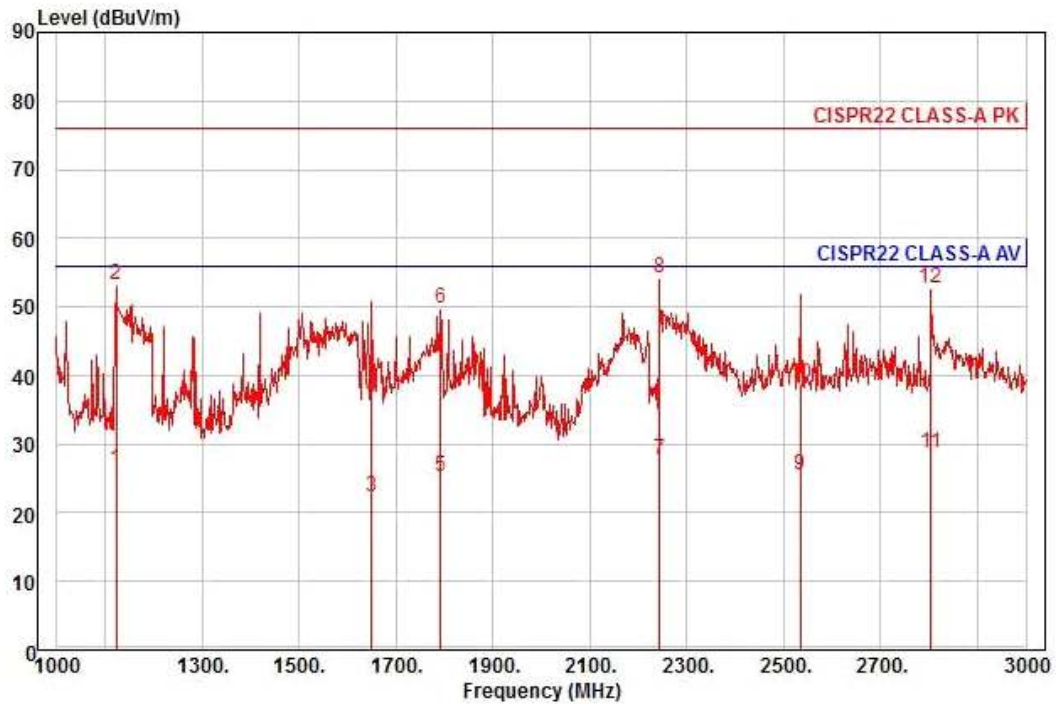


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Test report No.:
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■ DC Mode



Site : chamber
Condition: CISPR22 CLASS-A PK 3m HORN781(2015.05.07) horizontal
: RBW:1000.000kHz VBW:1000.000kHz SWT:Auto
Project : NETWORK CAMERA
Model : SNV-6085RP
Mode : DC
Memo : 1 ~ 3 GHz

	Read	Ant	Cable	Preamp	TPos	Limit	Over		
	Freq	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	deg	dBuV/m	dB	
1	1122.00	35.63	24.39	6.40	40.06	44	56.00	-29.64	horizontal Average
2	1122.00	62.51	24.39	6.40	40.06	44	76.00	-22.76	horizontal Peak
3	1650.00	27.80	26.49	7.92	39.80	228	56.00	-33.59	horizontal Average
4	1650.00	42.10	26.49	7.92	39.80	228	76.00	-39.29	horizontal Peak
5	1792.00	29.61	27.05	8.32	39.73	21	56.00	-30.75	horizontal Average
6	1792.00	54.11	27.05	8.32	39.73	21	76.00	-26.25	horizontal Peak
7	2244.00	29.41	28.48	9.60	39.77	61	56.00	-28.28	horizontal Average
8 pp	2244.00	55.95	28.48	9.60	39.77	61	76.00	-21.74	horizontal Peak
9	2534.00	25.97	29.19	10.40	39.94	208	56.00	-30.38	horizontal Average
10	2534.00	39.00	29.19	10.40	39.94	208	76.00	-37.35	horizontal Peak
11 av	2804.00	27.89	29.85	11.16	40.10	50	56.00	-27.20	horizontal Average
12	2804.00	51.78	29.85	11.16	40.10	50	76.00	-23.31	horizontal Peak

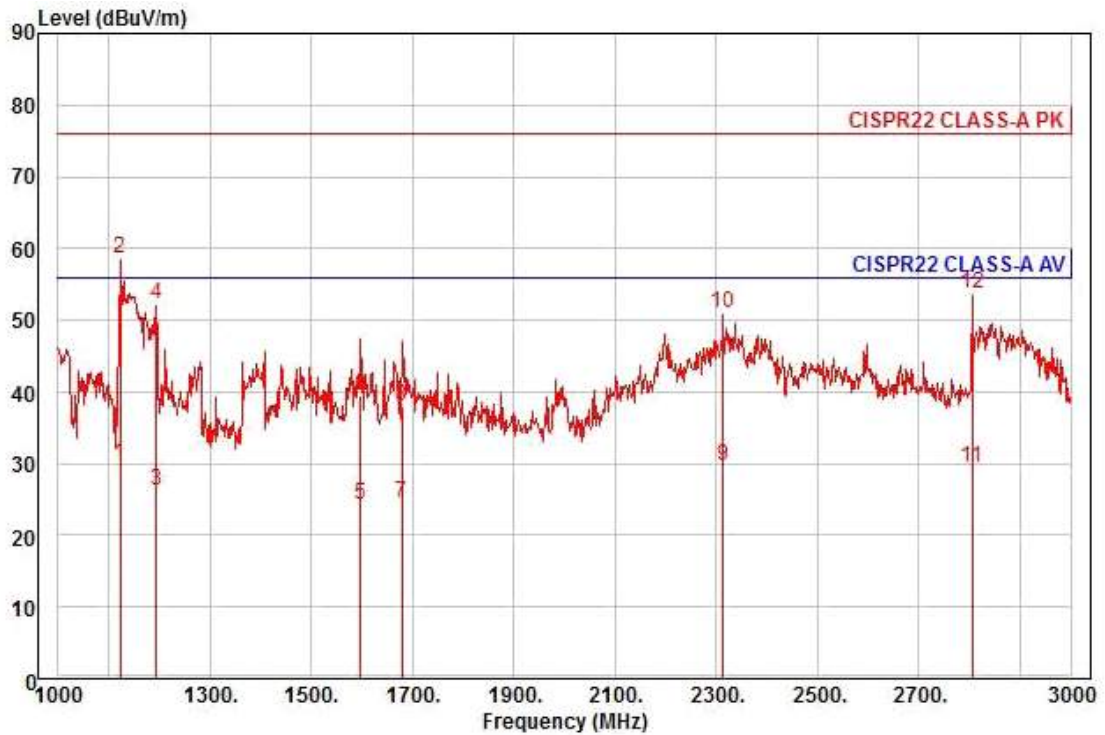
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Test report No.:
KES-E1-15T0301
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Site : chamber
Condition: CISPR22 CLASS-A PK 3m HORN781(2015.05.07) vertical
: RBW:1000.000kHz VBW:1000.000kHz SWT:Auto
Project : NETWORK CAMERA
Model : SNV-6085RP
Mode : DC
Memo : 1 ~ 3 GHz

		Read Freq	Ant Level	Ant Factor	Cable Loss	Preamp Factor	TPos	Limit Line	Over Limit	Pol/Phase	Remark
		MHz	dBuV	dB/m	dB	dB	deg	dBuV/m	dB		
1	av	1122.00	39.13	24.39	6.40	40.06	13	56.00	-26.14	vertical	Average
2	pp	1122.00	67.81	24.39	6.40	40.06	13	76.00	-17.46	vertical	Peak
3		1194.00	35.00	24.68	6.61	40.02	25	56.00	-29.73	vertical	Average
4		1194.00	61.07	24.68	6.61	40.02	25	76.00	-23.66	vertical	Peak
5		1598.00	29.96	26.28	7.77	39.83	140	56.00	-31.82	vertical	Average
6		1598.00	45.27	26.28	7.77	39.83	140	76.00	-36.51	vertical	Peak
7		1680.00	29.73	26.61	8.00	39.79	154	56.00	-31.45	vertical	Average
8		1680.00	43.10	26.61	8.00	39.79	154	76.00	-38.08	vertical	Peak
9		2314.00	31.16	28.65	9.79	39.81	7	56.00	-26.21	vertical	Average
10		2314.00	52.46	28.65	9.79	39.81	7	76.00	-24.91	vertical	Peak
11		2806.00	28.43	29.85	11.16	40.10	19	56.00	-26.66	vertical	Average
12		2806.00	52.80	29.85	11.16	40.10	19	76.00	-22.29	vertical	Peak

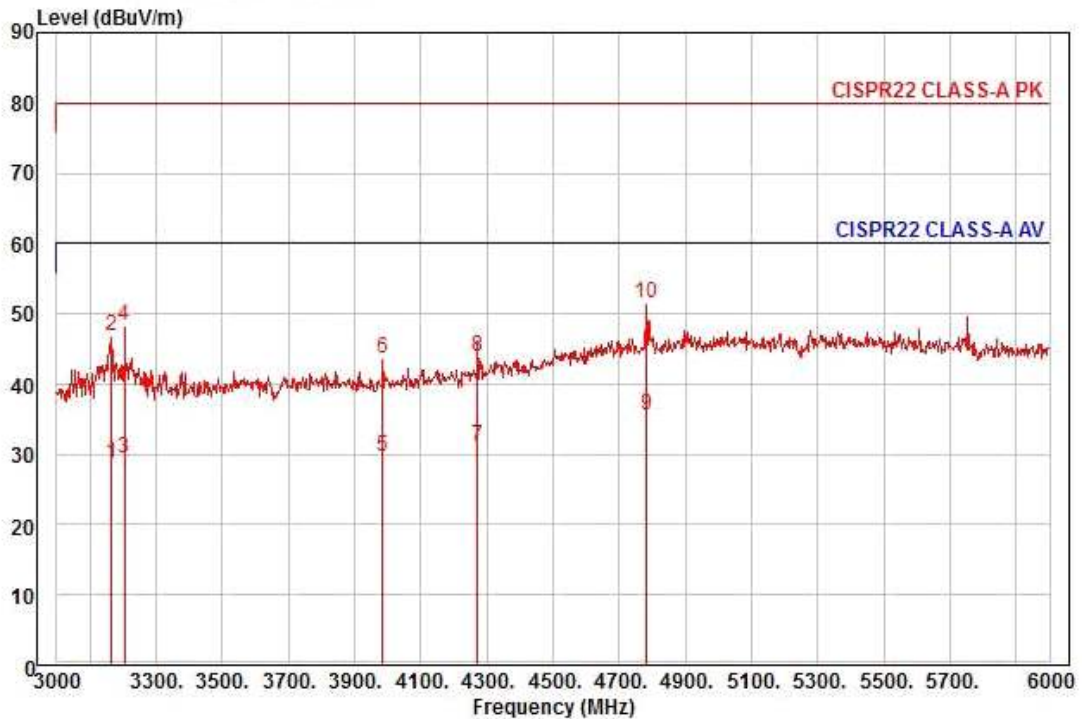
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Site : chamber
Condition: CISPR22 CLASS-A PK 3m HORN781(2015.05.07) horizontal
: RBW:1000.000kHz VBW:1000.000kHz SWT:Auto
Project : NETWORK CAMERA
Model : SNV-6085RP
Mode : DC
Memo : 3 ~ 6 GHz

	Freq	Read Level	Ant Factor	Cable Loss	Preamp Factor	TPos	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	deg	dBuV/m	dB		
1	3165.00	26.31	30.61	11.92	40.24	64	60.00	-31.40	horizontal	Average
2	3165.00	44.66	30.61	11.92	40.24	64	80.00	-33.05	horizontal	Peak
3	3204.00	27.02	30.67	11.97	40.25	73	60.00	-30.59	horizontal	Average
4	3204.00	45.87	30.67	11.97	40.25	73	80.00	-31.74	horizontal	Peak
5	3984.00	24.97	31.98	13.01	40.41	275	60.00	-30.45	horizontal	Average
6	3984.00	39.07	31.98	13.01	40.41	275	80.00	-36.35	horizontal	Peak
7	4272.00	24.57	33.56	13.53	40.41	283	60.00	-28.75	horizontal	Average
8	4272.00	37.18	33.56	13.53	40.41	283	80.00	-36.14	horizontal	Peak
9 pp	4782.00	25.12	36.48	14.47	40.41	251	60.00	-24.34	horizontal	Average
10 pk	4782.00	41.01	36.48	14.47	40.41	251	80.00	-28.45	horizontal	Peak

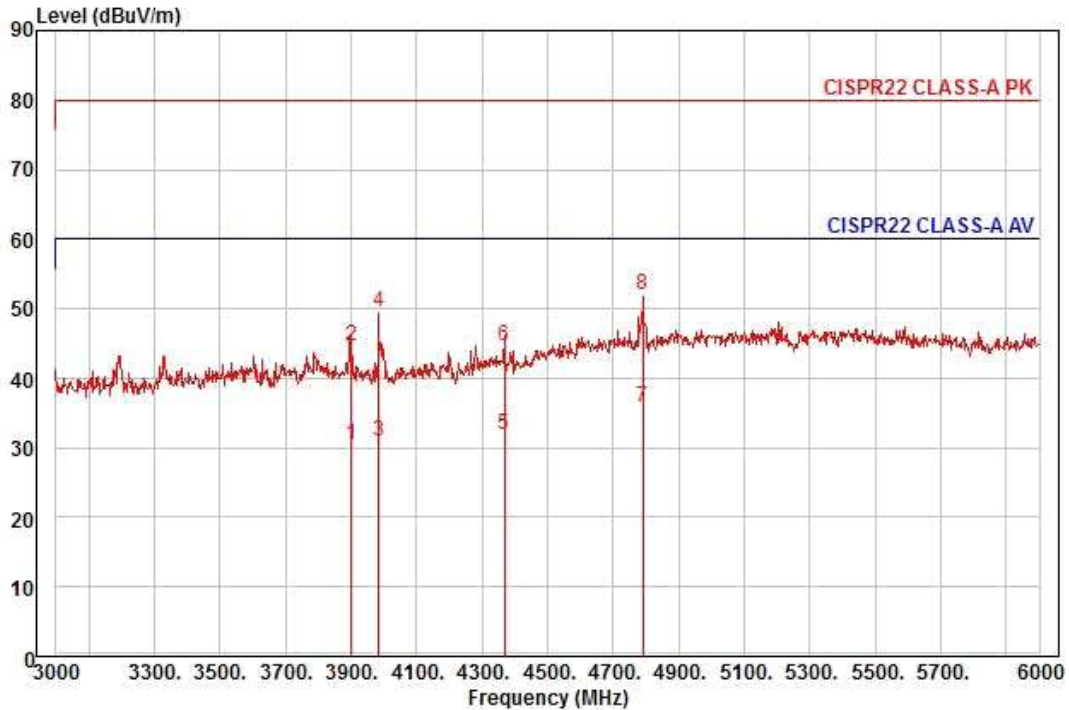
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Test report No.:
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Site : chamber
Condition: CISPR22 CLASS-A PK 3m HORN781(2015.05.07) vertical
: RBW:1000.000kHz VBW:1000.000kHz SWT:Auto
Project : NETWORK CAMERA
Model : SNV-6085RP
Mode : DC
Memo : 3 ~ 6 GHz

	Freq	Read Level	Ant Factor	Cable Loss	Preamp Factor	TPos	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	deg	dBuV/m	dB		
1	3900.00	26.16	31.84	12.90	40.39	339	60.00	-29.49	vertical	Average
2	3900.00	40.37	31.84	12.90	40.39	339	80.00	-35.28	vertical	Peak
3	3984.00	26.40	31.98	13.01	40.41	158	60.00	-29.02	vertical	Average
4	3984.00	45.06	31.98	13.01	40.41	158	80.00	-30.36	vertical	Peak
5	4368.00	24.39	34.11	13.71	40.41	347	60.00	-28.20	vertical	Average
6	4368.00	37.16	34.11	13.71	40.41	347	80.00	-35.43	vertical	Peak
7 pp	4791.00	25.22	36.53	14.49	40.41	199	60.00	-24.17	vertical	Average
8 pk	4791.00	41.39	36.53	14.49	40.41	199	80.00	-28.00	vertical	Peak

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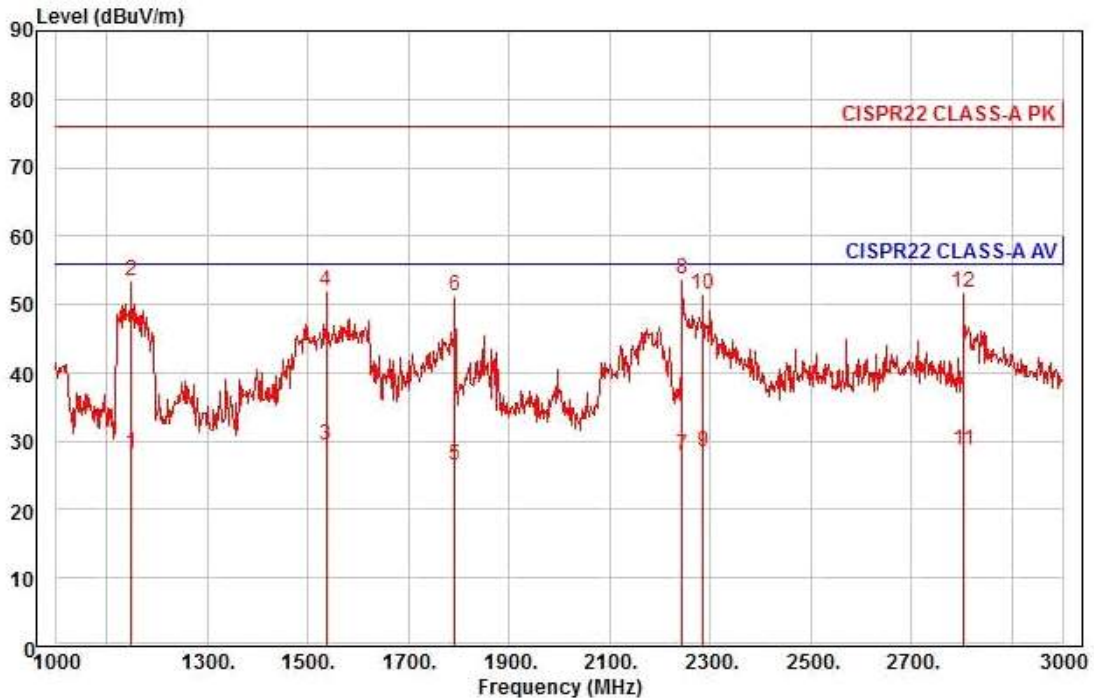


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Test report No.:
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■ PoE Mode



Site : chamber
Condition: CISPR22 CLASS-A PK 3m HORN781(2015.05.07) horizontal
Project : NETWORK CAMERA
Model : SNV-6085RP
Mode : PoE
Memo : 1 ~ 3 GHz

	Freq	Read Level	Ant Factor	Cable Loss	Preamplifier Factor	TPos	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	deg	dBuV/m	dB		
1	1148.00	37.33	24.50	6.47	40.05	42	56.00	-27.75	horizontal	Average
2	1148.00	62.49	24.50	6.47	40.05	42	76.00	-22.59	horizontal	Peak
3 av	1536.00	35.60	26.04	7.59	39.86	54	56.00	-26.63	horizontal	Average
4	1536.00	58.29	26.04	7.59	39.86	54	76.00	-23.94	horizontal	Peak
5	1792.00	30.79	27.05	8.32	39.73	57	56.00	-29.57	horizontal	Average
6	1792.00	55.69	27.05	8.32	39.73	57	76.00	-24.67	horizontal	Peak
7	2244.00	29.63	28.48	9.60	39.77	54	56.00	-28.06	horizontal	Average
8 pp	2244.00	55.34	28.48	9.60	39.77	54	76.00	-22.35	horizontal	Peak
9	2286.00	29.94	28.58	9.72	39.80	54	56.00	-27.56	horizontal	Average
10	2286.00	53.01	28.58	9.72	39.80	54	76.00	-24.49	horizontal	Peak
11	2804.00	27.66	29.85	11.16	40.10	28	56.00	-27.43	horizontal	Average
12	2804.00	50.93	29.85	11.16	40.10	28	76.00	-24.16	horizontal	Peak

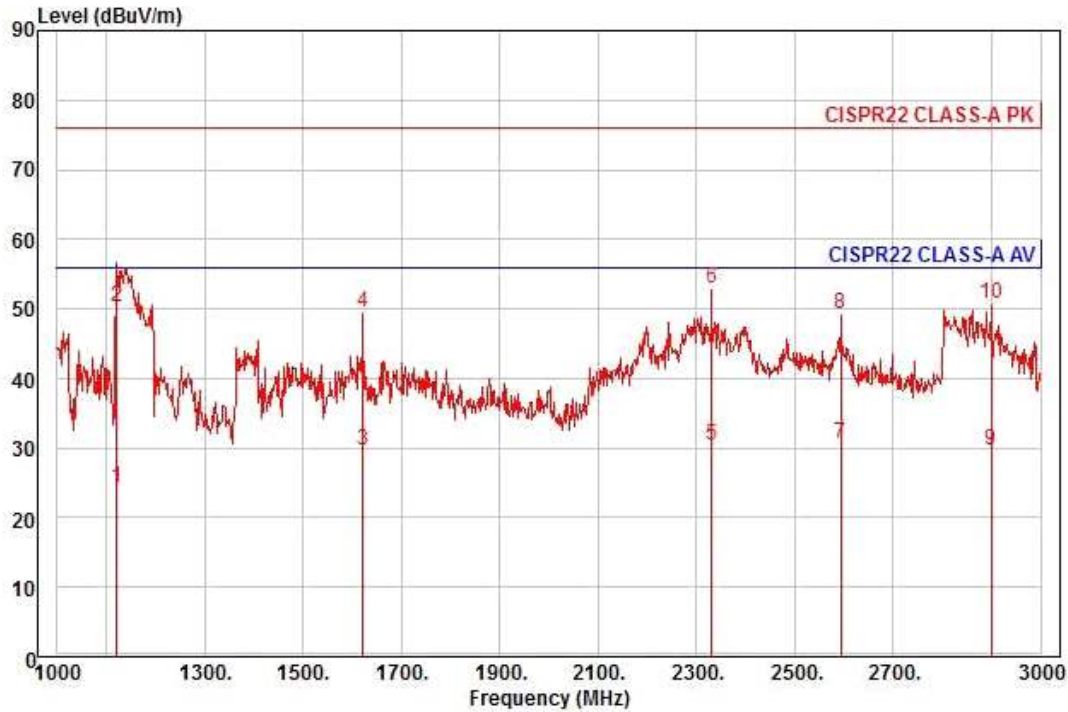
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Site : chamber
Condition: CISPR22 CLASS-A PK 3m HORN781(2015.05.07) vertical
Project : NETWORK CAMERA
Model : SNV-6085RP
Mode : PoE
Memo : 1 ~ 3 GHz

	Read	Ant	Cable	Preamp	TPos	Limit	Over		
Freq	Level	Factor	Loss	Factor		Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	deg	dBuV/m	dB		
1	1120.00	33.58	24.39	6.39	40.06	19	56.00	-31.70	vertical
2	1120.00	59.56	24.39	6.39	40.06	19	76.00	-25.72	vertical
3	1622.00	35.38	26.38	7.84	39.82	348	56.00	-26.22	vertical
4	1622.00	55.23	26.38	7.84	39.82	348	76.00	-26.37	vertical
5	2332.00	31.75	28.69	9.84	39.82	16	56.00	-25.54	vertical
6 pp	2332.00	54.29	28.69	9.84	39.82	16	76.00	-23.00	vertical
7 av	2594.00	30.68	29.34	10.57	39.97	126	56.00	-25.38	vertical
8	2594.00	49.35	29.34	10.57	39.97	126	76.00	-26.71	vertical
9	2900.00	28.23	30.08	11.42	40.15	43	56.00	-26.42	vertical
10	2900.00	49.32	30.08	11.42	40.15	43	76.00	-25.33	vertical

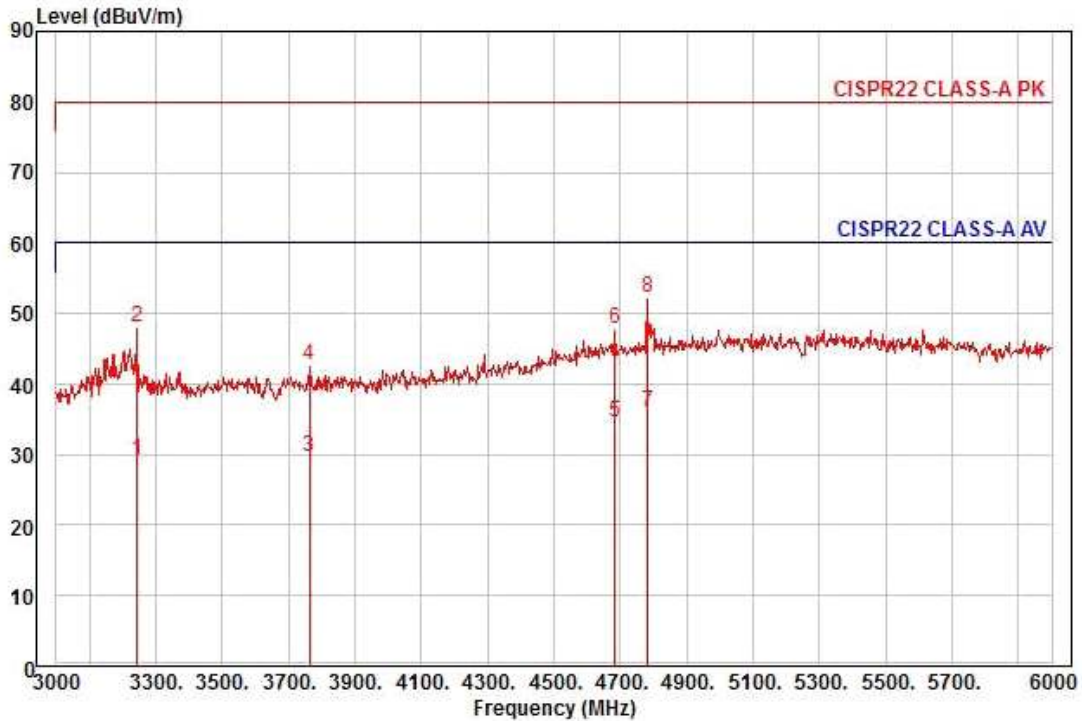
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Test report No.:
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Site : chamber
Condition: CISPR22 CLASS-A PK 3m HORN781(2015.05.07) horizontal
: RBW:1000.000kHz VBW:1000.000kHz SWT:Auto
Project : NETWORK CAMERA
Model : SNV-6085RP
Mode : PoE
Memo : 3 ~ 6 GHz

	Freq	Read Level	Ant Factor	Cable Loss	Preamplifier Factor	TPos	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	deg	dBuV/m	dB		
1	3243.00	26.59	30.74	12.02	40.26	68	60.00	-30.91	horizontal	Average
2	3243.00	45.62	30.74	12.02	40.26	68	80.00	-31.88	horizontal	Peak
3	3762.00	25.63	31.61	12.71	40.36	1	60.00	-30.41	horizontal	Average
4	3762.00	38.75	31.61	12.71	40.36	1	80.00	-37.29	horizontal	Peak
5	4683.00	24.67	35.91	14.29	40.41	12	60.00	-25.54	horizontal	Average
6	4683.00	38.03	35.91	14.29	40.41	12	80.00	-32.18	horizontal	Peak
7 pp	4782.00	25.42	36.48	14.47	40.41	255	60.00	-24.04	horizontal	Average
8 pk	4782.00	41.59	36.48	14.47	40.41	255	80.00	-27.87	horizontal	Peak

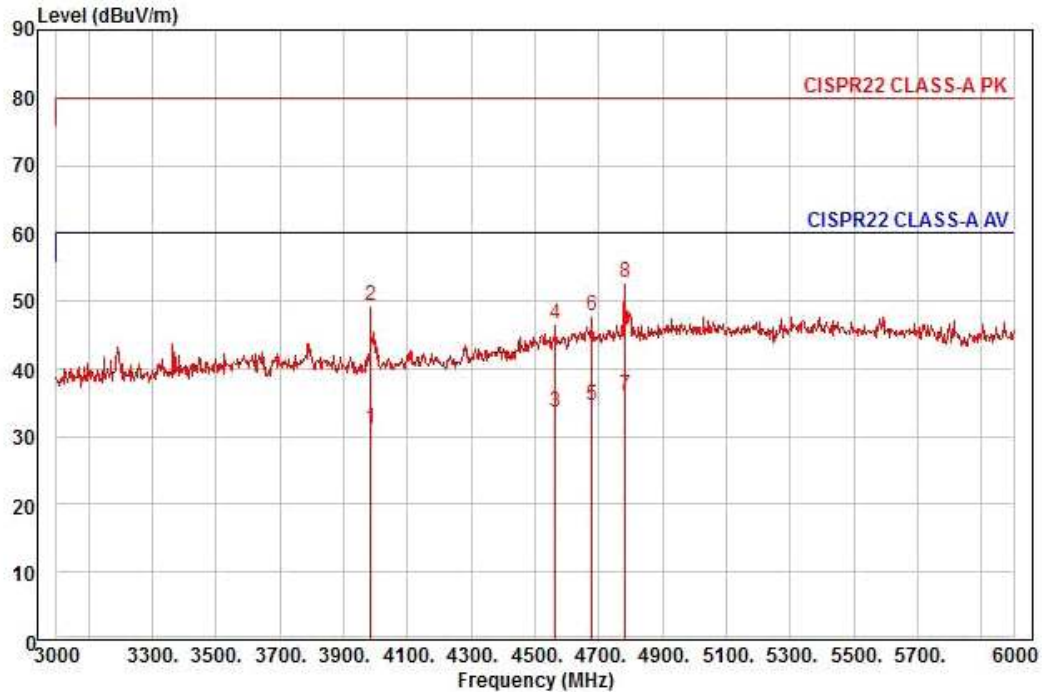
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Site : chamber
Condition: CISPR22 CLASS-A PK 3m HORN781(2015.05.07) vertical
: RBW:1000.000kHz VBW:1000.000kHz SWT:Auto
Project : NETWORK CAMERA
Model : SNV-6085RP
Mode : PoE
Memo : 3 ~ 6 GHz

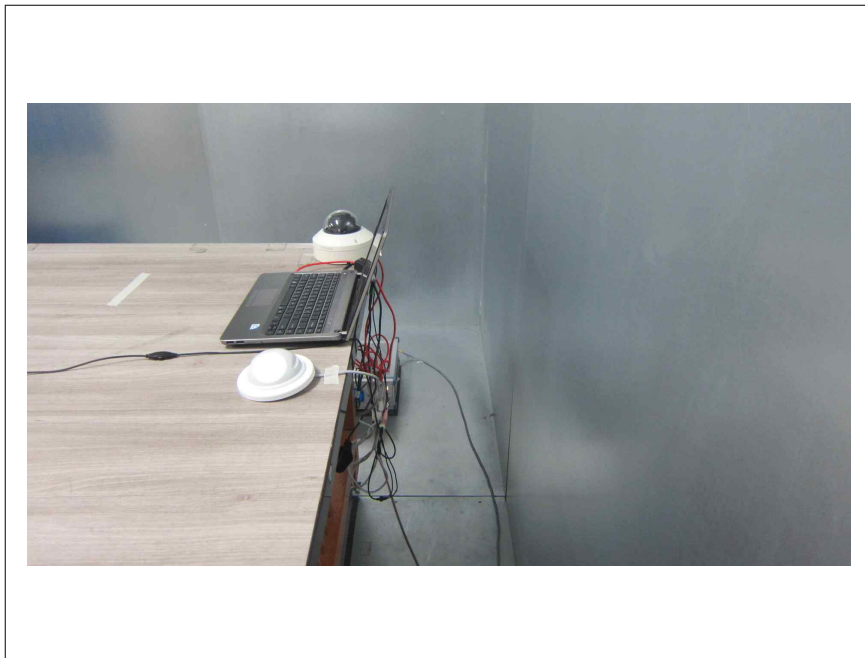
		Read	Ant	Cable	Preamp	TPos	Limit	Over		
	Freq	Level	Factor	Loss	Factor		Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	deg	dBuV/m	dB		
1	3984.00	26.57	31.98	13.01	40.41	152	60.00	-28.85	vertical	Average
2	3984.00	44.76	31.98	13.01	40.41	152	80.00	-30.66	vertical	Peak
3	4563.00	24.74	35.22	14.07	40.41	310	60.00	-26.38	vertical	Average
4	4563.00	37.68	35.22	14.07	40.41	310	80.00	-33.44	vertical	Peak
5	4680.00	24.80	35.89	14.28	40.41	62	60.00	-25.44	vertical	Average
6	4680.00	38.01	35.89	14.28	40.41	62	80.00	-32.23	vertical	Peak
7 pp	4782.00	25.51	36.48	14.47	40.41	200	60.00	-23.95	vertical	Average
8 pk	4782.00	42.23	36.48	14.47	40.41	200	80.00	-27.23	vertical	Peak

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4. Test Setup Photographs

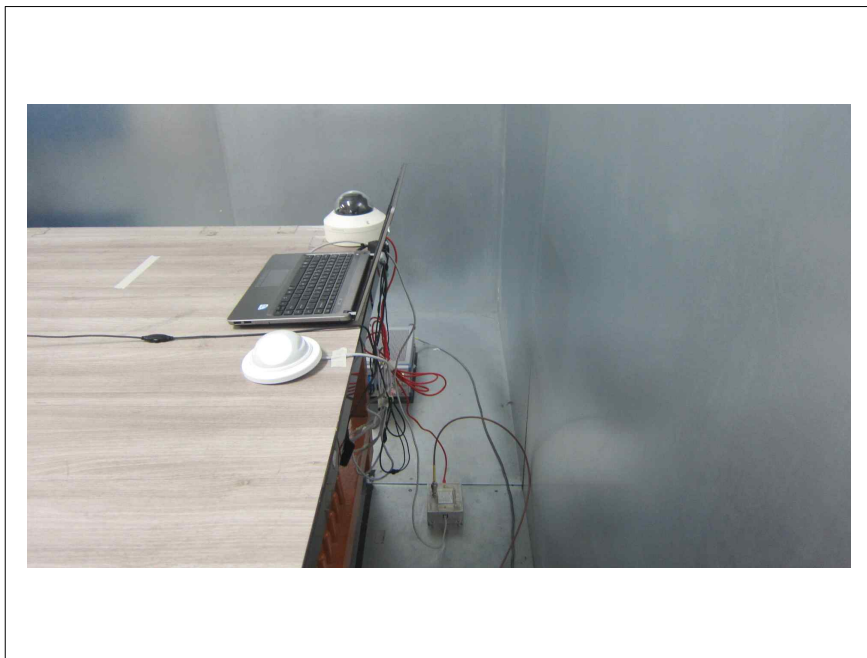
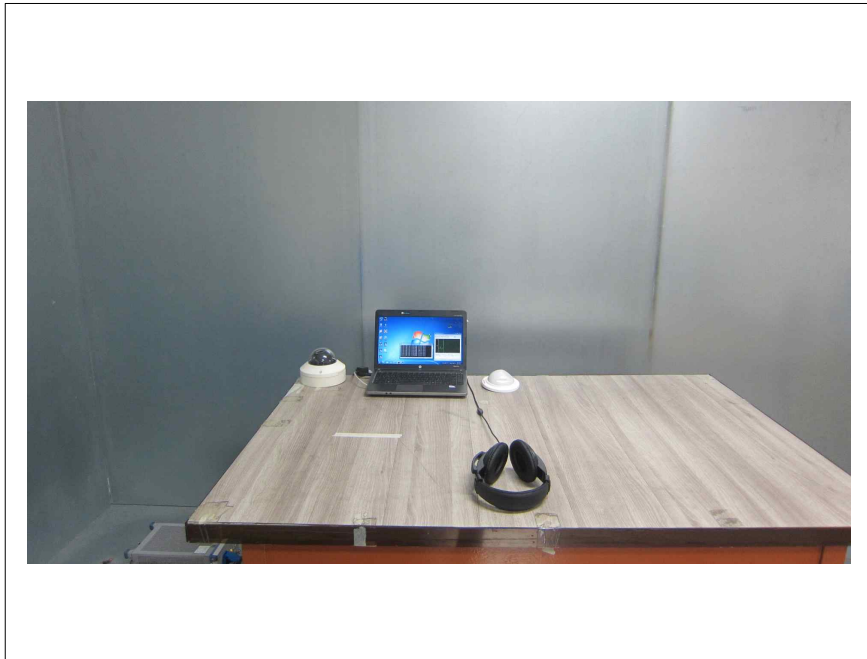
4.1 Conducted Emission

■ AC Mode



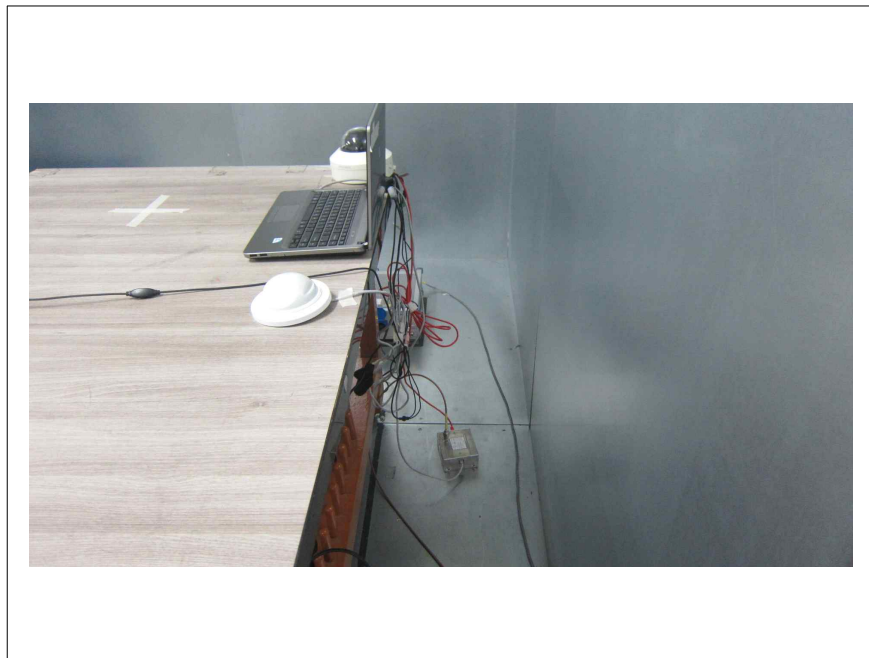
- **Telecommunication Emission**

■ **AC Mode**



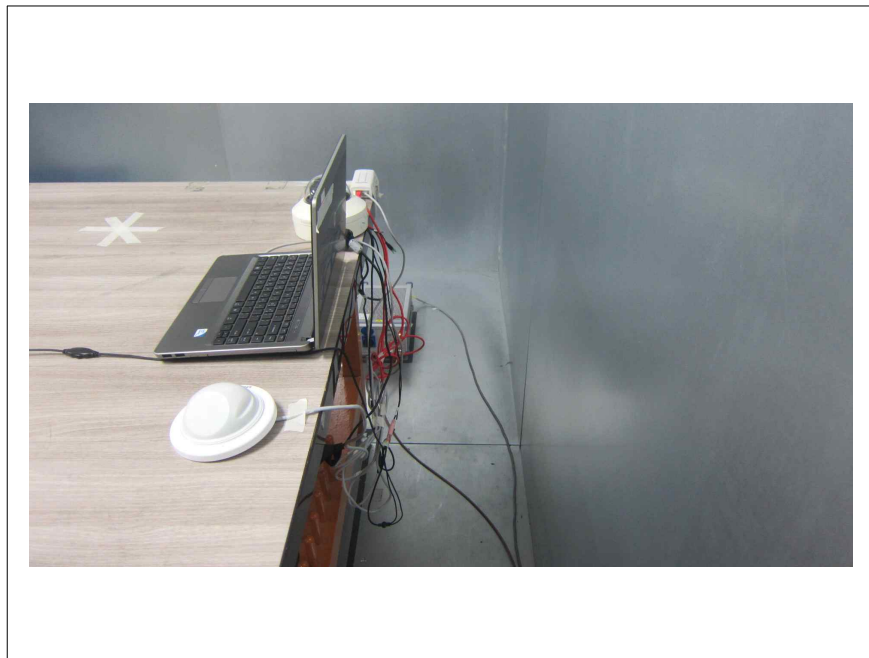
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■ DC Mode



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■ PoE Mode

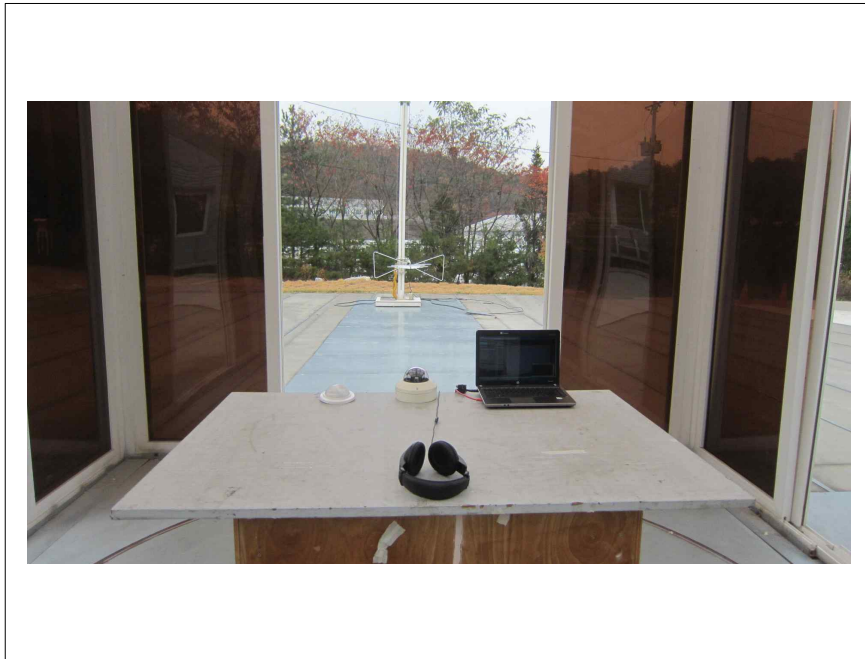


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4.2 Radiated Emission

* **Blow 1 GHz**

■ **AC Mode**



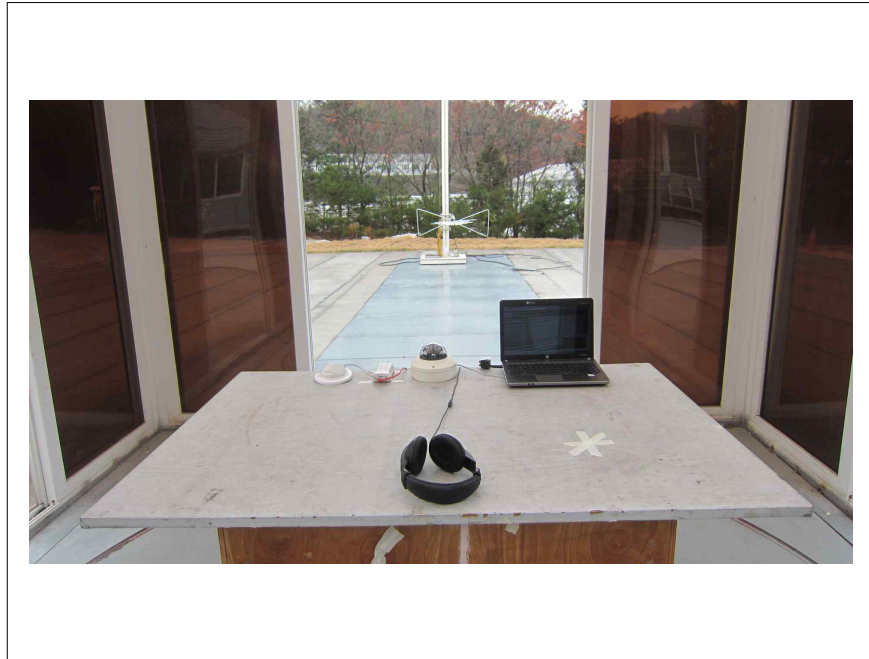
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■ DC Mode



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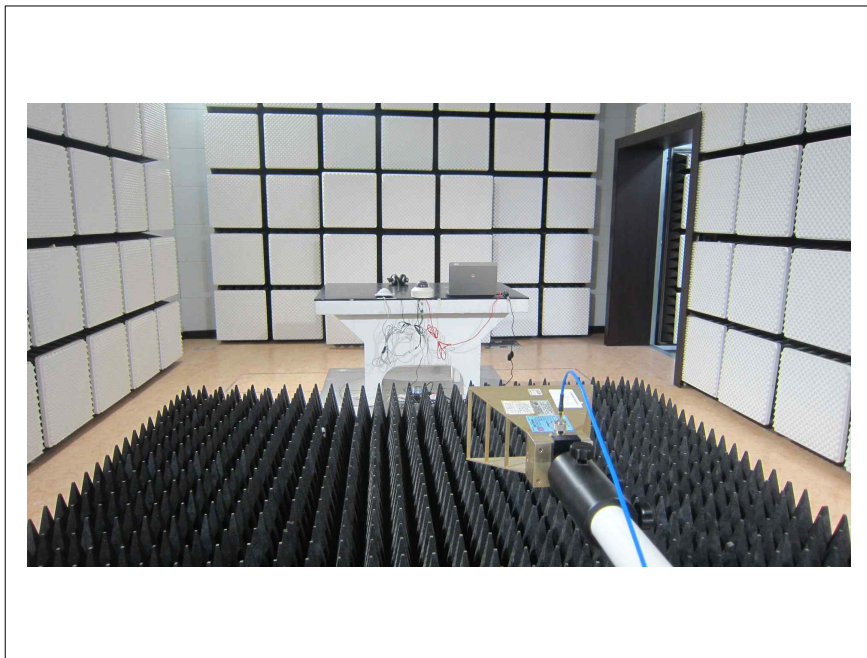
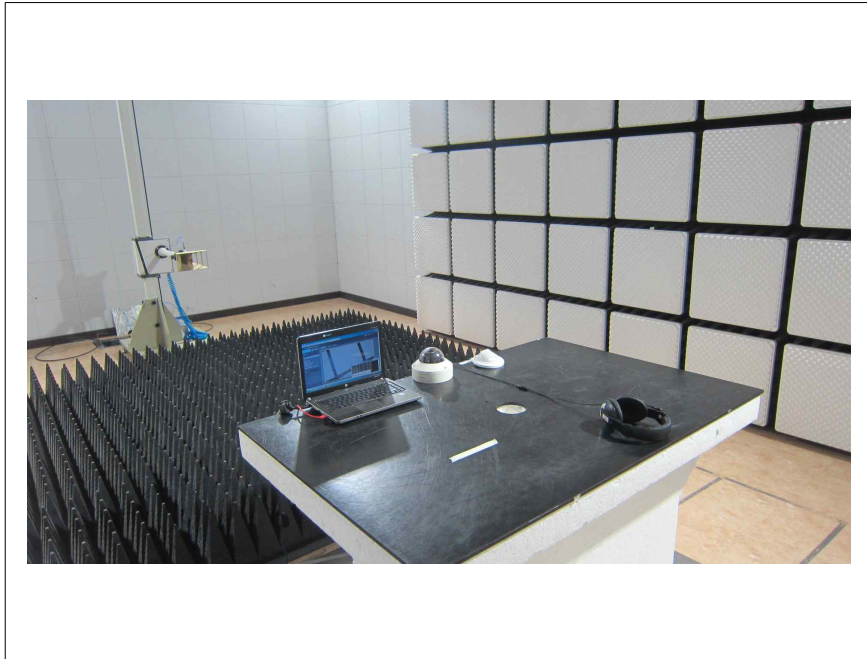
■ PoE Mode



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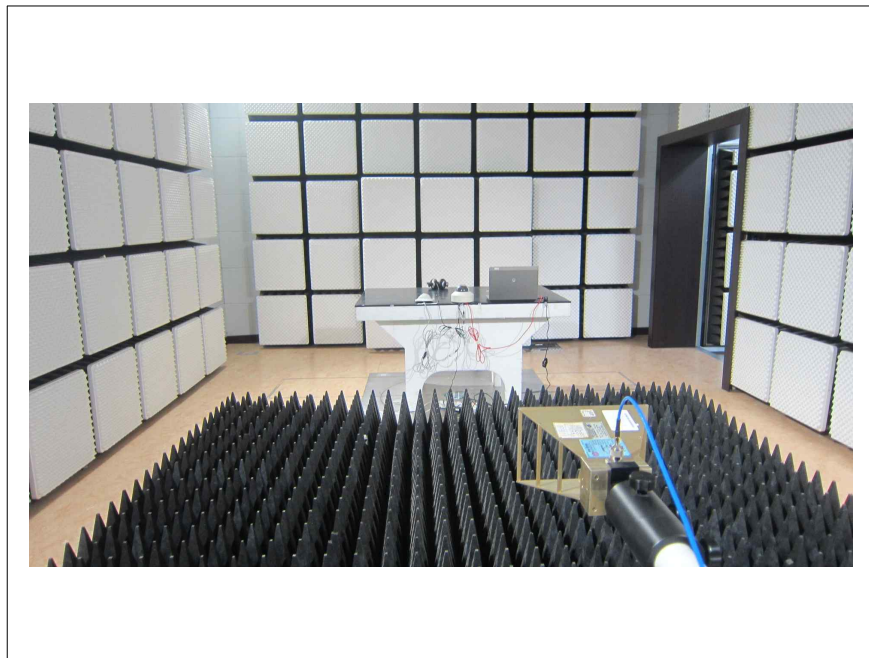
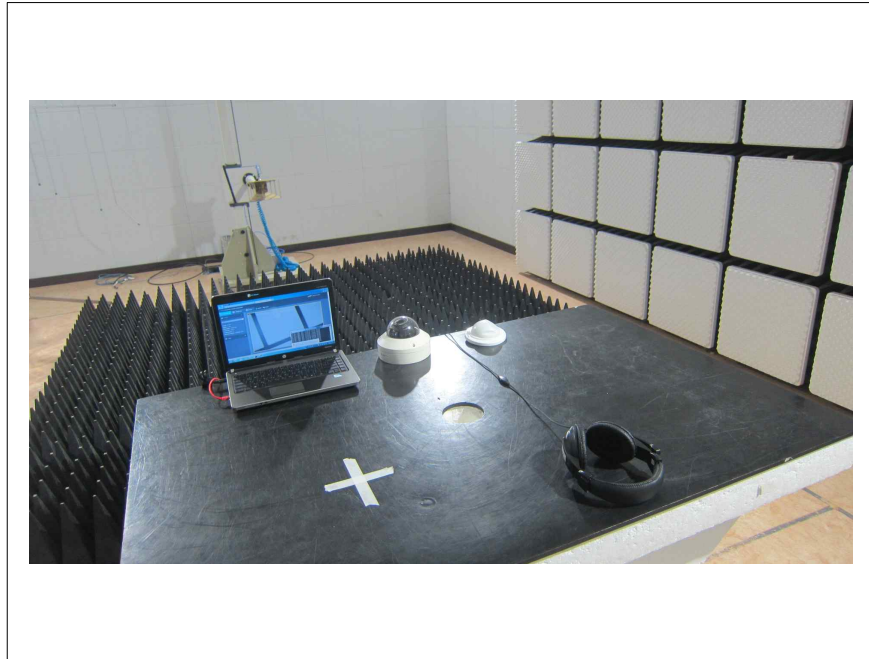
* Above 1 GHz

■ AC Mode



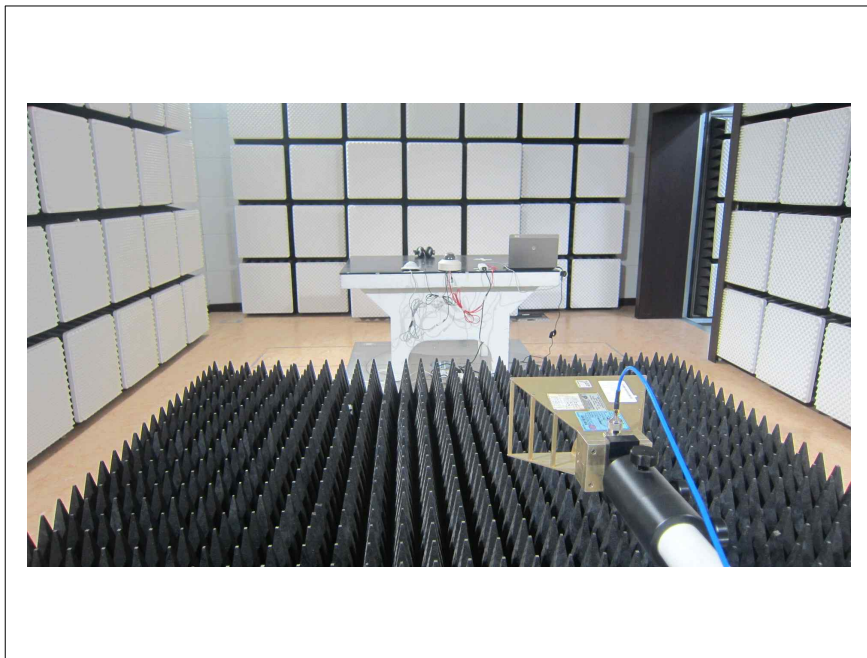
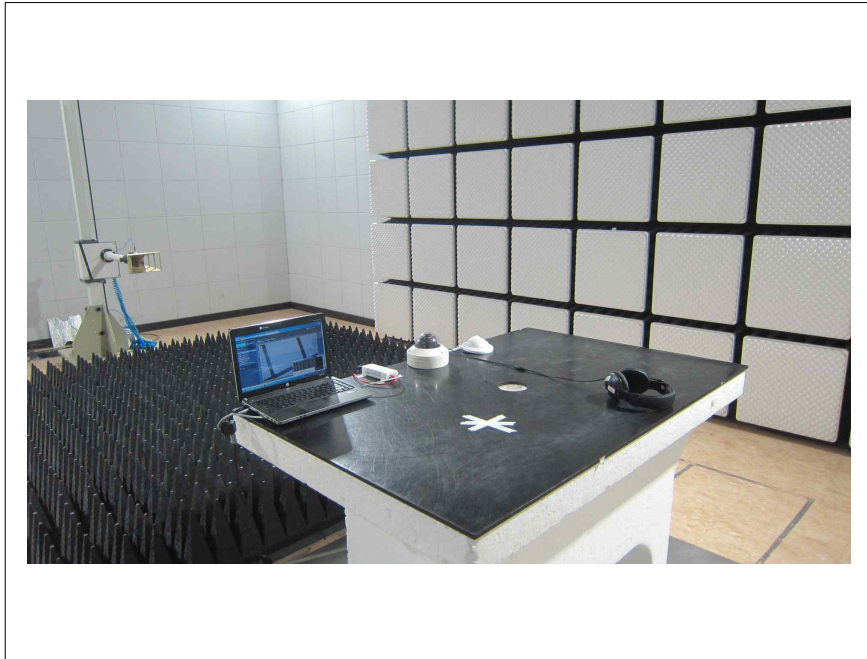
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■ DC Mode



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■ PoE Mode



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5. External Photographs



[FRONT VIEW]



[REAR VIEW]

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6. Internal Photographs

E.U.T: Internal View

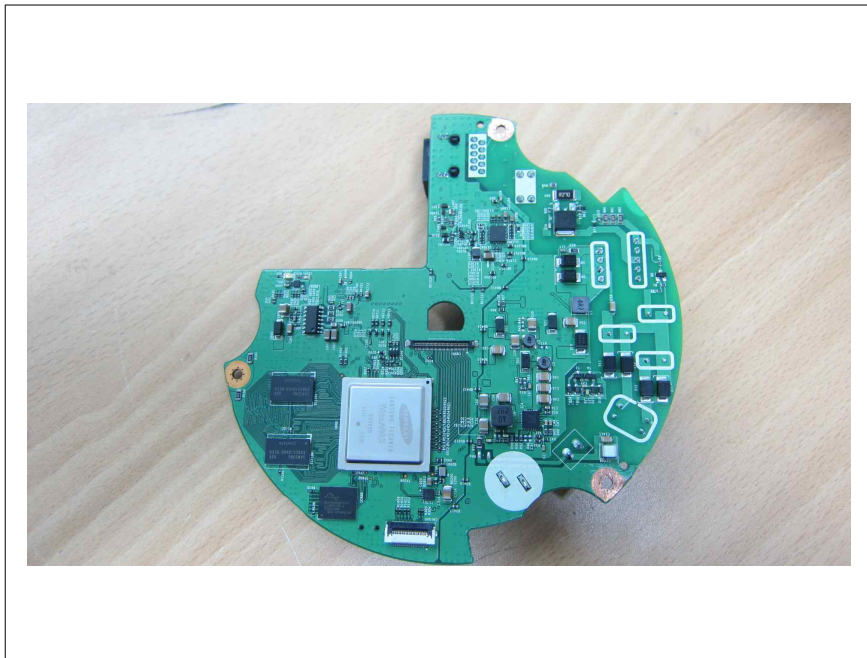


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E.U.T: Internal View(Top) - Main Board



E.U.T: Internal View(Bottom) - Main Board

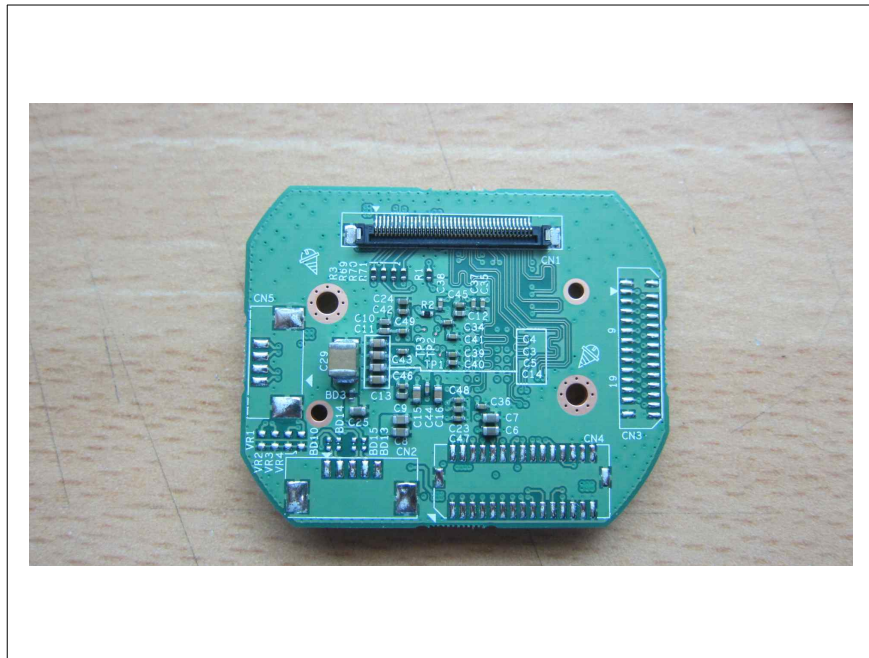


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E.U.T: Internal View(Top) - Board 1



E.U.T: Internal View(Bottom) - Board 1



E.U.T: Internal View(Top) - Board 2



E.U.T: Internal View(Bottom) - Board 2



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