



EMC TEST REPORT

Test Report No. : KES-E1-19T0452
Date of Issue : Aug. 07, 2019
Product name : Pentabrid DVR (Digital Video Recoder)
Model/Type No. : HRX-820N
Variant Mode : -
Applicant : Hanwha Techwin Co., Ltd.
Applicant Address : 6, Pangyo-ro 319 Beon-gil, Bundang-gu, Seongnam-si,
Gyeonggi-do, 13488, KOREA
Manufacturer : 1. HANWHA TECHWIN(TIANJIN) CO., LTD
2. HANWHA TECHWIN SECURITY VIETNAM CO.,LTD.
3. D-TECH CO.,LTD.
Manufacturer Address : 1. No.11 Weiliu Rd, Micro-Electronic Industrial Park, TEDA, Tianjin,
300385, People's Republic of China
2. Lot O-2, Que Vo Industrial Zone extended area,
Nam Son commune, Bac Ninh city, Bac Ninh province, Vietnam
3. 173-25, Saneop-ro, Gwonseon-gu, Suwon-si, Gyeonggi-do,
Korea (Suwon Industrial Complex)
Equipment authorization : **Supply's Declaration of Conformity**
Date of Receipt : Jul. 25, 2019
Test date : Jul. 31, 2019
Test Results : ☒ **In Compliance** ☐ **Not in Compliance**

Tested by

Min Seong, Kim
EMC Test Engineer

Reviewed by

Dong-Hun, Jang
EMC Technical Manager

This test report is not related to KS Q ISO/IEC 17025 and KOLAS.



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REPORT REVISION HISTORY

Date	Test Report No.	Revision History
Aug. 07, 2019	KES-E1-19T0452	Issued

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1.0 General Product Description

Main Specifications of EUT are:

Video			
Video Input	Analog Camera	Input	16CH, 1Vp-p 75ohm, BNC
		Signal Type	AHD(8MP, 5MP, 4MP, 1080p, 720p) HDTVI(8MP, 5MP, 4MP, 1080p, 720p) HDCVI(5MP, 4MP, 1080p, 720p) CVBS (NTSC/PAL)
	Network Camera	Input	2CH (up to 10CH)
		Resolution	CIF ~ 8MP
		Protocols	SUNAPI(Wisenet), ONVIF
Live	Local Display		1x HDMI, 1x VGA dual monitor
Operating System	Embedded		Linux
Recording	Compression		H.265, H.264, MJPEG
	Record Rate(Analog)		- Analog Camera(NTSC/PAL) (Main Stream) 8MP 8/8fps CH, 5M 12/12fps CH, 4M 15/12fps CH, 2M 30/25fps CH, 720p 30/25fps/CH, SD 30/25fps/CH (Sub Stream) HD: 640x360 full fps/CH, SD: upto SD full fps/CH *The maximum recording frame rate depends on the frame rate of the input camera.
	Mode		Manual, Schedule (Continuous/Event), Event(Pre/Post), Dual Track
	Event Trigger		Alarm Input Analog Camera Video Loss, Motion Detection, Tampering Network Camera Camera Event (Sensor, MD, Video analytics), VA event (Tampering, Enter / Exit, Passing, Virtual- line, (Dis)Appear, Face Detection, Audio detection), Defocus camera event
	Event Action		E-mail, PTZ preset, Alarm out, Buzzer, Monitor out
	Overwrite modes		Overwrite On/Off



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Search & Playback	Performance		Max. 4 users (Set 1, Remote 3)
	Resolution		CIF ~ 8MP
	Playback Control		Fast Forward/Backward (x2,x4,x8,x16,x32,x64, x128, x256) Slow Forward/Backward (x1/2,x1/4,x1/8) ※Move one step up/down
	Internal		Up to 2 SATA HDDs Max. 6TB/HDD(TBD)
Storage	External		USB(for Backup)
	File Format		BU(DVR Player), SEC(Set, Include Player), AVI(Webviewer only)
NETWORK			
Protocol support			TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client), PPPoE, SMTP, ICMP, IGMP, ARP, DNS, DDNS, uPnP, HTTPS, SNMP, ONVIF (Profile-S), SUNAPI(Server, Client)
Max. Remote users			Search (3), Live Unicast (10), Multicast (20)
Security			IPv4/v6
Security			IP address filtering, User access log, 802.1x Authentication, Encryption (ID/PW, Recording, Transmission, Backup)
OS			Supported OS : Window XP (Service pack 2 or above), Vista, 7, 8, 10, Mac OS X (10.7 or above)
Web Browser			Google Chrome 47 or above, MS Edge 20 or above, Safari 9 or above *support Plug-in free Web
Viewer Software			SSM, Webviewer, SmartViewer, Wisenet Mobile Viewer
CMS Support			SDK/CGI(SUNAPI)
Function			
Easy Configuration			Setup Wizard (Language Date/Time, Password, Network, Auto Camera Configuration), P2P (QR code)
ARB (Auto Recovery Backup)			support
PTZ	Control/Preset		Via GUI & RS-485, Webviewer, SPC-7000 / 300 presets
Smart phone	OS / Protocol support		Android , iOS, RTP, RTSP, HTTP, CGI(SUNAPI)
	Control		Live(8ch) : Multi-Profile Support Playback(1ch, Max. 2MP) Event push
System Control			Mouse, IR Remocon, Web, SPC-7000

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INDICATOR / INTERFACE		
Front	Indicator	Power status LED 1ea, HDD Action LED 1ea, Alarm Status LED 1ea Record status LED 1ea, Network Action LED 1ea, Backup LED 1ea
Monitors	Mode	
	HDMI	1 HDMI (4K(3840 x 2160), 2K(2560 x 1440), 1920x1080, 1280x1024, 1280x720)
	VGA	1 VGA (1920x1080, 1280x1024, 1280x720)
	Composite(Spot)	BNC(1CH) ※ Included OSD On Screen, Single, Multi, Auto Change mode Support
Audio	Inputs/Output	4CH line in / 1CH line out
	Compression	G.711
	Sampling rate	8KHz
Alarm	Inputs/Outputs	Terminal 8 Inputs (NO/NC) / Terminal 4 relay Outputs (NO/NC) MAX DC18V, 2A, Typical DC12V, 2A
Ethernet		1 RJ45 10/100/1000 Base-T
USB		1 ports(USB 3.0, Rear), 1 ports(USB 2.0, Front) → 2 ports(USB 2.0, Front)
Serial		RS-485(Full Duplex) for PTZ, Samsung System Keyboard
Coaxia Control		Support (CVBS and AHD/CVI/TVI)
Reset		Yes(Factory Reset, Alarm Reset)
General		
Electrical	Input Voltage/Current	DC12V Adaptor(100~250V AC ±10% , 50/60Hz)
	Power consumption	(TBD) Max. W
Environmental	Operating Temperature/Humidity	+0°C to +40°C (+32°F to +104°F) / 20% to 85% RH
Mechanical	Color / Material	Black / Metal
	Dimension (W x H x D)	(TBD) W370.0x H44.0 x D320(14.57" x 1.73" x 12.6")
	Weight (with hard disks)	TBD kg

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1.1 Test Voltage & Frequency

Unless indicated otherwise on the individual data sheet or test results, the test voltage and frequency was as indicated below.

Voltage ☐ 230 Vac ☒ 120 Vac ☐ 24 Vac ☐ 12 Vdc ☐ PoE

Frequency ☐ 50 Hz ☒ 60 Hz ☐ Hz

1.2 Variant Model Differences

Not applicable

1.3 Device Modifications

Not applicable

1.4 Equipment Under Test

Description	Model Number	Serial Number	Manufacturer	Remarks
Pentabrid DVR (Digital Video Recorder)	HRX-820N	-	HANWHA TECHWIN (TIANJIN) CO., LTD	EUT
AC / DC Adapter	FSP060-DIBAN2	-	Zhonghan Electronics (Shenzhen) Co., Ltd.	-
Mouse	MOKJUO	-	Primax Electronics Ltd.	-
HDD	WD40PUEX- 64N96Y0	-	Western Digital	4 TB



1.5 Support Equipments

Description	Model Number	Serial Number	Manufacturer	Remarks
Camera Adapter	FSP-060-DIBAN2	-	Zhonghan Electronics (Shenzhen) Co., Ltd.	-
Camera 1	SDC-79446BF	-	HANWHA TECHWIN (TIANJIN) CO., LTD	-
Camera 2	SDC-79446BF	-	HANWHA TECHWIN (TIANJIN) CO., LTD	-
Camera 3	SDC-79446BF	-	HANWHA TECHWIN (TIANJIN) CO., LTD	-
Camera 4	SDC-89440BFN	-	HANWHA TECHWIN (TIANJIN) CO., LTD	-
Camera 5	SDC-89440BFN	-	HANWHA TECHWIN (TIANJIN) CO., LTD	-
Camera 6	SDC-89440BFN	-	HANWHA TECHWIN (TIANJIN) CO., LTD	-
Camera 7	RS-CA282NC-36W-ST	-	-	-
Camera 8	RS-CA282NC-36W-ST	-	-	-
Monitor 1	SMT-2233	ZC6U67VH500194D	Weihai Daewoo Electronics Co., Ltd.	-
Monitor 2	SMT-2232	C95V67VF900038B	Weihai Daewoo Electronics Co., Ltd.	-
Monitor 3	SMT-2232	C95V67VF900015Y	Weihai Daewoo Electronics Co., Ltd.	-
Notebook	NT730U3E	JJRE91CF200065A	Samsung Electronics	-
Notebook Adapter	PA-1600-66	AD-6019P	LITEON	-
Speaker	BR10000A CUVE	-	BEIJING EDIFIER HI-TECH GROUP.	-
MIC	CMK-303	-	CAMAC	-
Controller	SPC-1010	C50E67WG10100F	SamSung Techwin Co.,Ltd.	-
Controller Adapter	RS-AB1000	-	Dongguan Jinhua Sheng Power Technology Co.,Ltd.	-
Alarm	-	-	-	-
Button Alarm	-	-	-	-
USB Memory	-	-	SONY	16 GB

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1.6 External I/O Cabling

Start		END		Cable Spec.	
Description	I/O Port	Description	I/O Port	Length	Shield
Pentabrid DVR (Digital Video Recorder) (EUT)	VIDEO IN	Camera 1	BNC	10.0	U
	VIDEO IN	Camera 2	BNC	10.0	U
	VIDEO IN	Camera 3	BNC	10.0	U
	VIDEO IN	Camera 4	BNC	10.0	U
	VIDEO IN	Camera 5	BNC	10.0	U
	VIDEO IN	Camera 6	BNC	10.0	U
	VIDEO IN	Camera 7	BNC	10.0	U
	VIDEO IN	Camera 8	BNC	10.0	U
	HDMI	Monitor 1	HDMI	1.5	S
	VGA OUT	Monitor 2	D-SUB	1.5	S
	SPOT	Monitor 3	BNC	3.0	S
	NETWORK	Notebook	RJ-45	3.0	U
	AUDIO OUT	Speaker	RCA	1.6	U
	AUDIO IN	MIC	RCA	1.6	U
	RS-485	Controller	RS-485	10.0	U
	Alarm Out	Alarm	Alarm In	10.0	U
	Alarm In	Button Alarm	Alarm Out	10.0	U
	USB 2.0	Mouse	USB	1.3	U
	USB 3.0	USB Memory	USB	-	-

* Unshielded=U, Shielded=S



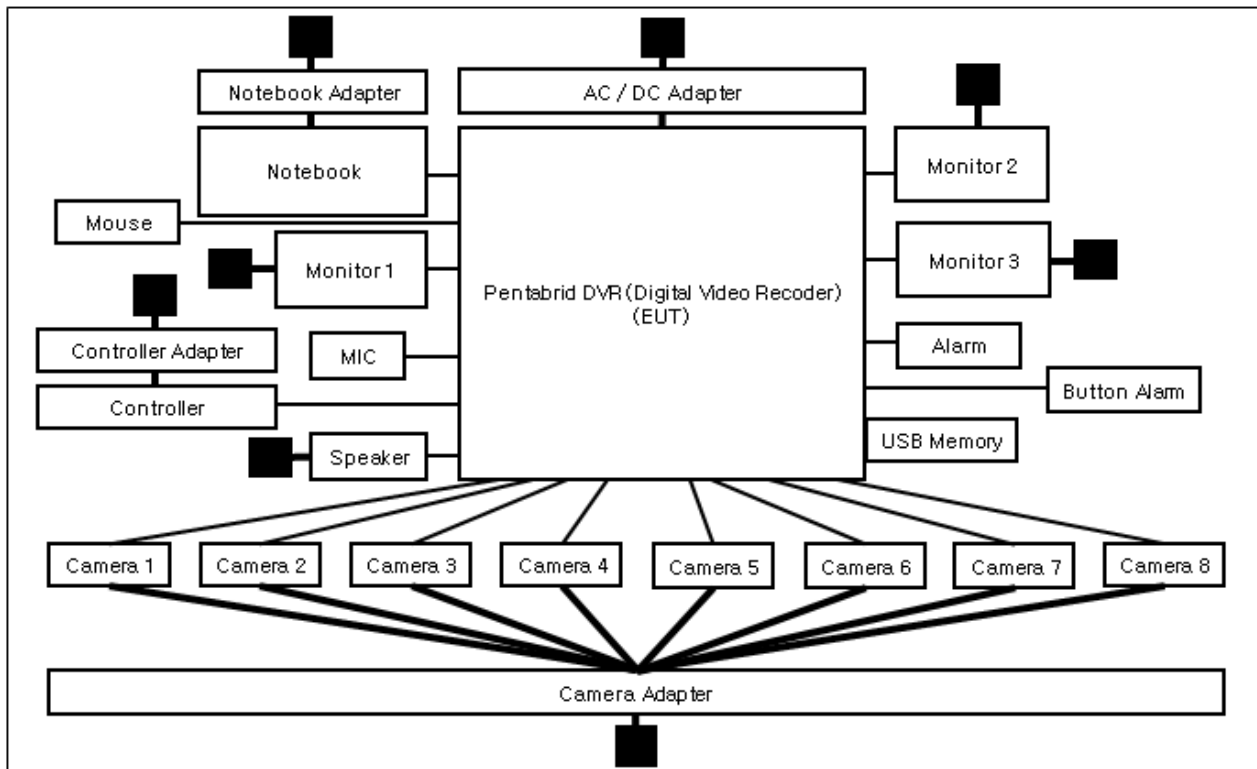
1.7 EUT Operating Mode(s)

Test mode	operating
OP	EUT Monitoring, Ping Test

EUT Test operating S/W		
Name	Version	Manufacture Company
WebViewer	-	Hanwha Techwin Co., Ltd.

1.8 Configuration

■ AC Main
 □ DC Main



1.9 Remarks when standards applied

N/A

1.10 Calibration Details of Equipment Used for Measurement

Test equipment and test accessories are calibrated on regular basis. The maximum time between calibrations is one year or what is recommended by the manufacturer, whichever is less.

1.11 Test Facility

The measurement facility is located at 473-21 Gayeo-ro, Yeoju-si, Gyeonggi-do, 12658, Korea. The sites are constructed in conformance with the requirements of ANSI C63.4:2014 and CISPR 16-1-4:2012

1.12 Laboratory Accreditations and Listings

Country	Agency	Scope of Accreditation	Logo
KOREA	RRA	EMI (3 m & 10 m Semi-Anechoic Chamber , 10 m Open Area and conducted test site) EMS (ESD, RS, EFT/Burst, Surge, CS, Magnetic, Dips and interruptions)	 KR0100
International	KOLAS	EMI (3 m & 10 m Semi-Anechoic Chamber , and conducted test site) EMS (ESD, RS, EFT/Burst, Surge, CS, Magnetic, Dips and interruptions)	 KT489
USA	FCC	3 m & 10 m Semi-Anechoic Chamber, 10 m Open Area and Conducted test site to perform FCC Part 15/18 measurements.	 KR0100
Canada	ISED	3 m & 10 m Semi-Anechoic Chamber and Conducted test site	 23298-1
JAPAN	VCCI	Mains Ports Conducted Interference Measurement, Telecommunication Ports Conducted Disturbance Measurement and Radiation 10 meter site, Facility for measuring radiated disturbance above 1 GHz	 R-20056, C-20036, T-20040, G-20057
Europe	TÜV SÜD	EMI (3 m & 10 m Semi-Anechoic Chamber , 10 m Open Area and conducted test site) EMS (ESD, RS, EFT/Burst, Surge, CS, Magnetic, Dips and interruptions)	 CARAT 001633 0003

2.0 Test Regulations

The emissions tests were performed according to following regulations:

☐ **EMC – Directive 2014/30/EU**

☐ EN 61000-6-3:2011

☐ EN 61000-6-1:2007

☐ EN 61000-6-4:2007 +A1:2011

☐ EN 61000-6-2:2005

☐ EN 55011:2007 +A1:2010

☐ Group 1
☐ Class A

☐ Group 2
☐ Class B

☐ EN 55014-1:2006 +A2:2011

☐ EN 55014-2:1997 +A2:2008

☐ EN 55015:2013

☐ EN 55032:2015

☐ Class A

☐ Class B

☐ EN 55024:2010

☐ EN 50130-4:2011 +A1:2014

☐ EN 61000-3-2:2014

☐ EN 61000-3-3:2013

☐ EN 61326-1:2013



- | | | |
|--|---|----------------------------------|
| ☐ VCCI-CISPR 32:2016 | ☐ Class A | ☐ Class B |
| ☐ AS/NZS CISPR32:2015 | ☐ Class A | ☐ Class B |
| ☒ 47 CFR Part 15, Subpart B | | |
| ☐ CISPR 22:2009 +A1:2010 | ☐ Class A | ☐ Class B |
| ☒ ANSI C63.4-2014 | ☒ Class A | ☐ Class B |
| ☒ IC Regulation ICES-003 : 2016 | | |
| ☐ CAN/CSA CISPR 22-10 | ☐ Class A | ☐ Class B |
| ☒ ANSI C63.4-2014 | ☒ Class A | ☐ Class B |
| ☐ RE- Directive 2014/53/EU | | |
| ☐ EN 301 489-1 V1.9.2 | | |
| ☐ Equipment for fixed use | | |
| ☐ Equipment for vehicular use | | |
| ☐ Equipment for portable use | | |
| ☐ EN 301 489-3 V1.6.1 | | |
| ☐ EN 301 489-17 V2.2.1 | | |
| ☐ EN 60945:2002 | | |

2.1 Conducted Emissions at Mains Power Ports

Test Date

Jul. 31, 2019

Test Location

Electro wave Shieldroom #6

Test Equipment

Used	Description	Model Number	Manufacturer	Serial Number	Cal. Due
☒	EMI Test S/W	EMC32	R & S	9.12.00	-
☒	EMI TEST RECEIVER	ESR3	R & S	101781	04, 22, 2020
☒	LISN	ENV216	R & S	101787	01, 04, 2020
☒	LISN	ESH2-Z5	R & S	100450	04, 22, 2020
☒	PULSE LIMITER	ESH3-Z2	R & S	101915	11, 26, 2019

Test ConditionsTemperature: 23,8 °C
Relative Humidity: 53,4 % R.H.**Frequency Range of Measurement**

150 kHz to 30 MHz

Instrument Settings

IF Band Width: 9 kHz

Test Results

The requirements are:

- ☒ PASS
☐ NOT PASS
☐ NOT APPLICABLE

RemarksSee Appendix A for test data.



2.2 Radiated Electric Field Emissions(Below 1 GHz)

Test Date

Jul. 31, 2019

Test Location

☐ OPEN AREA TEST SITE #2 ☒ SEMI ANECHOIC CHAMBER #4(10 m)

Test Equipment

Used	Description	Model Number	Manufacturer	Serial Number	Cal. Due
☒	EMI Test S/W	EP5/RE	TOYO Corporation	6.0.0	-
☒	EMI TEST RECEIVER	ESU26	R & S	100551	04, 09, 2020
☒	AMPLIFIER	SCU 01	R & S	100603	11, 26, 2019
☒	TRILOG-BROADBAND ANTENNA	VULB9163	Schwarzbeck	715	11, 29, 2020
☒	ATTENUATOR	8491A	HP	32173	03, 11, 2020

Test Conditions

Temperature: 23,8 °C
Relative Humidity: 54,1 % R.H.

Frequency Range of Measurement

30 MHz to 1 GHz

Instrument Settings

IF Band Width: 120 kHz

Test Results

The requirements are:

☒ PASS
☐ NOT PASS
☐ NOT APPLICABLE

Remarks

See Appendix A for test data.

2.3 Radiated Electric Field Emissions(Above 1 GHz)

Test Date

Jul. 31, 2019

Test Location

SEMI ANECHOIC CHAMBER #4(10 m)

Test Equipment

Used	Description	Model Number	Manufacturer	Serial Number	Cal. Due
☒	EMI Test S/W	EP5/RE	TOYO Corporation	6.0.0	-
☒	EMI TEST RECEIVER	ESU26	R & S	100551	04, 09, 2020
☒	PREAMPLIFIER	8449B	AGILENT	3008A01742	01, 08, 2020
☐	ATTENUATOR	8491A	HP	35496	03, 11, 2020
☒	HORN ANTENNA	BBHA 9120D	SCHWARZBECK	9120D-1802	03, 12, 2020

Test ConditionsTemperature: 23,8 °C
Relative Humidity: 54,1 % R.H.**Frequency Range of Measurement**

1 GHz to 5 GHz

Instrument Settings

IF Band Width: 1 MHz

Test Results

The requirements are:

- ☒ PASS
☐ NOT PASS
☐ NOT APPLICABLE

RemarksSee Appendix A for test data.

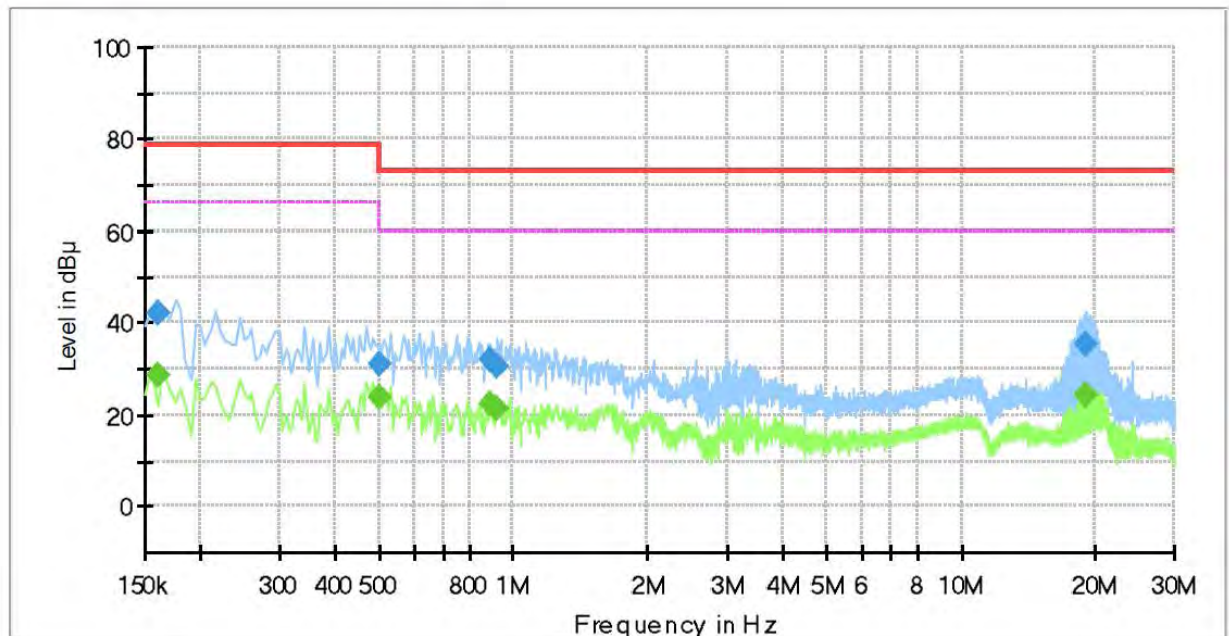
APPENDIX A – TEST DATA

Conducted Emissions at Mains Power Ports

HOT LINE

Common Information

Test Description:	Conducted Emission
Model No.:	HRX-820N
Phase:	
Mode:	H
Operator Name:	KES



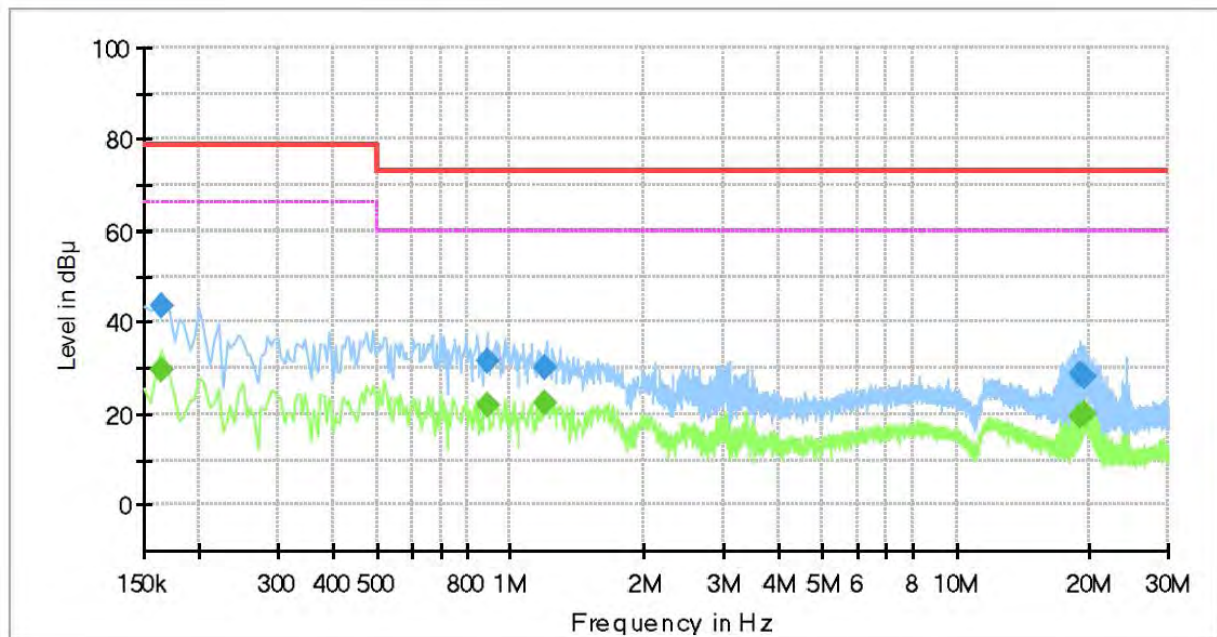
Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.160000	---	28.52	66.00	37.48	1000.0	9.000	L1	19.5
0.160000	42.29	---	79.00	36.71	1000.0	9.000	L1	19.5
0.500000	---	24.01	66.00	41.99	1000.0	9.000	L1	19.9
0.500000	31.15	---	73.00	41.85	1000.0	9.000	L1	19.9
0.885000	---	22.18	60.00	37.82	1000.0	9.000	L1	20.3
0.885000	31.79	---	73.00	41.21	1000.0	9.000	L1	20.3
0.920000	---	21.60	60.00	38.40	1000.0	9.000	L1	20.3
0.920000	30.61	---	73.00	42.39	1000.0	9.000	L1	20.3
19.030000	---	24.20	60.00	35.80	1000.0	9.000	L1	20.3
19.030000	35.49	---	73.00	37.51	1000.0	9.000	L1	20.3

NEUTRAL LINE

Common Information

Test Description:	Conducted Emission
Model No.:	HRX-820N
Phase:	
Mode:	N
Operator Name:	KES



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.165000	---	29.62	66.00	36.38	1000.0	9.000	N	19.5
0.165000	43.69	---	79.00	35.31	1000.0	9.000	N	19.5
0.885000	---	21.84	60.00	38.16	1000.0	9.000	N	20.3
0.885000	31.64	---	73.00	41.36	1000.0	9.000	N	20.3
1.195000	---	22.44	60.00	37.56	1000.0	9.000	N	20.4
1.195000	30.23	---	73.00	42.77	1000.0	9.000	N	20.4
19.085000	---	19.63	60.00	40.37	1000.0	9.000	N	20.3
19.085000	28.51	---	73.00	44.49	1000.0	9.000	N	20.3
19.465000	---	20.13	60.00	39.87	1000.0	9.000	N	20.4
19.465000	28.20	---	73.00	44.80	1000.0	9.000	N	20.4

◆ Calculation

QuasiPeak[dBuV] / CAverage [dBuV] = Reading Value[dBuV] + Corr. [dB]

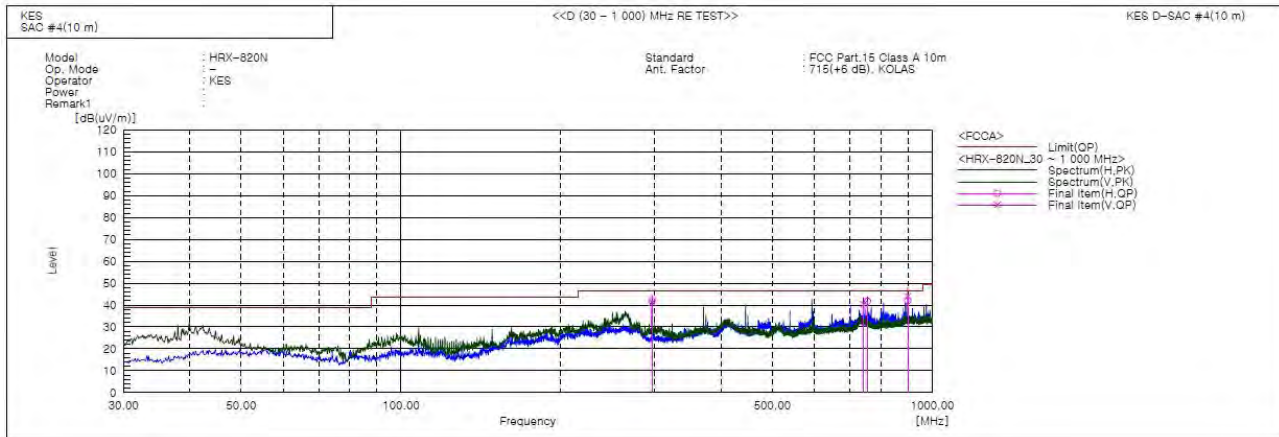
QuasiPeak / CAverage : The Final Value

Reading Value : Not shown in the table.

Corr. : Correction values (LISN FACTOR + (Cable Loss + Pulse Limiter FACTOR))



Radiated Electric Field Emissions(Below 1 GHz)



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]	Remark
1	296.976	V	59.9	-18.7	41.2	46.5	5.3	100.0	167.0	
2	296.993	H	60.6	-18.7	41.9	46.5	4.6	296.0	182.0	
3	742.465	V	47.8	-7.4	40.4	46.5	6.1	100.0	171.0	
4	756.045	H	49.2	-7.4	41.8	46.5	4.7	217.0	203.0	
5	899.961	V	49.7	-5.7	44.0	46.5	2.5	175.0	181.0	
6	899.969	H	47.7	-5.7	42.0	46.5	4.5	268.0	194.0	

◆ Calculation – SAC #4(10 m)

Result(QP) [dB(μV/m)] = (Reading(QP)[dB(μV)] + c.f[dB(1/m)])

Margin(QP)[dB] = Limit[dB(μV/m)] - Result(QP) [dB(μV/m)]

Reading(QP) : Reading value, Result(QP) : Reading value + Factor value

Limit(QP) : Limit value, c.f : (ANT Factor + Cable Loss - Preamp Factor), Margin: Margin value

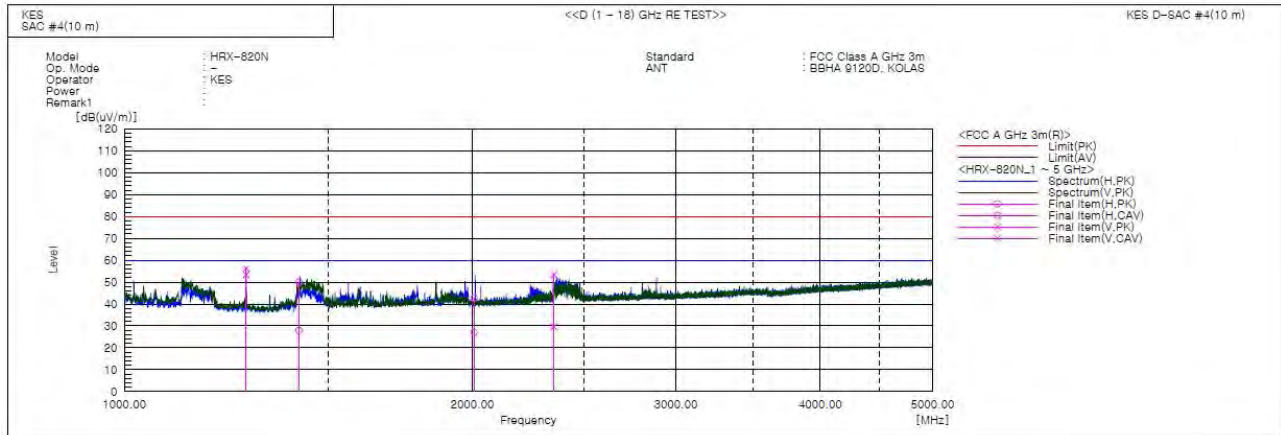


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Radiated Electric Field Emissions(Above 1 GHz)



Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(uV)]	Reading CAV [dB(uV)]	c.f [dB(1/m)]	Result PK [dB(uV/m)]	Result CAV [dB(uV/m)]	Margin PK [dB]	Margin CAV [dB]	Height [cm]	Angle [deg]	Remark
1	1274.935	V	60.6	57.7	-4.3	56.3	53.4	23.7	6.6	100.0	332.0	
2	1415.920	H	53.4	31.3	-3.4	50.0	27.9	30.0	32.1	100.0	179.0	
3	2007.185	H	43.3	27.6	-0.5	42.8	27.1	37.2	32.9	100.0	174.0	
4	2352.510	V	52.3	28.5	1.1	53.4	29.6	26.6	30.4	100.0	146.0	

◆ Calculation

Result(PK/CAV) [dB(μV/m)] = (Reading(PK/CAV)[dB(μV)] + c.f[dB(1/m)])

Margin(PK/CAV)[dB] = Limit[dB(μV/m)] - Result(PK/CAV) [dB(μV/m)]

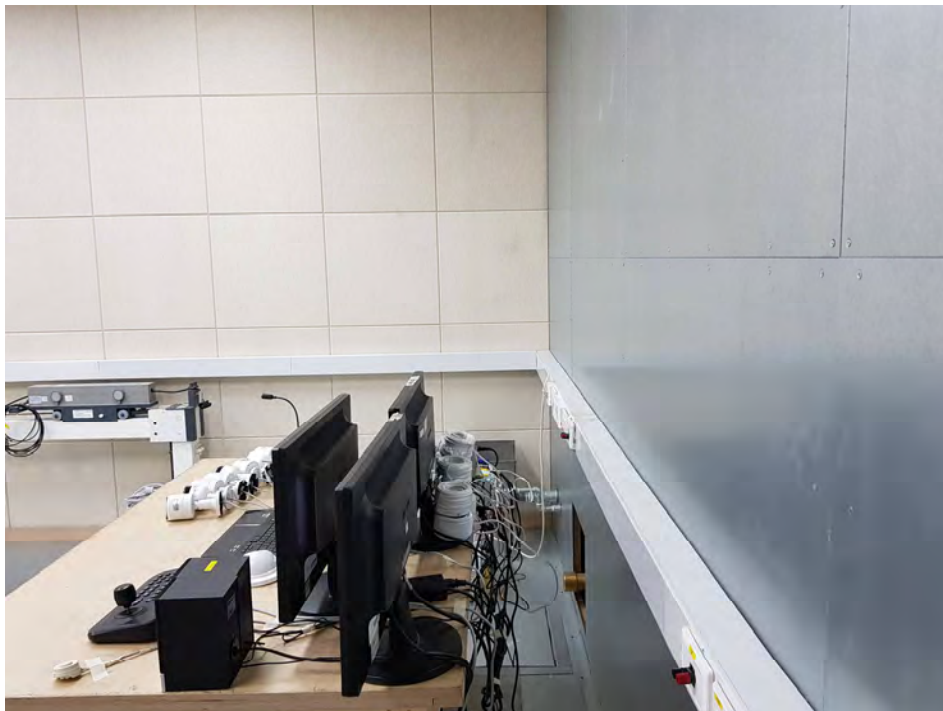
Reading(PK/CAV) : Reading value, Result(PK/CAV) : Reading value + Factor value

Limit(QP) : Limit value, c.f : (ANT Factor + Cable Loss - Preamp Factor), Margin: Margin value

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Test Setup Photos and Configuration

Conducted Voltage Emissions



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Radiated Electric Field Emissions(Below 1 GHz)



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Radiated Electric Field Emissions(Above 1 GHz)



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EUT External Photographs

(Top)



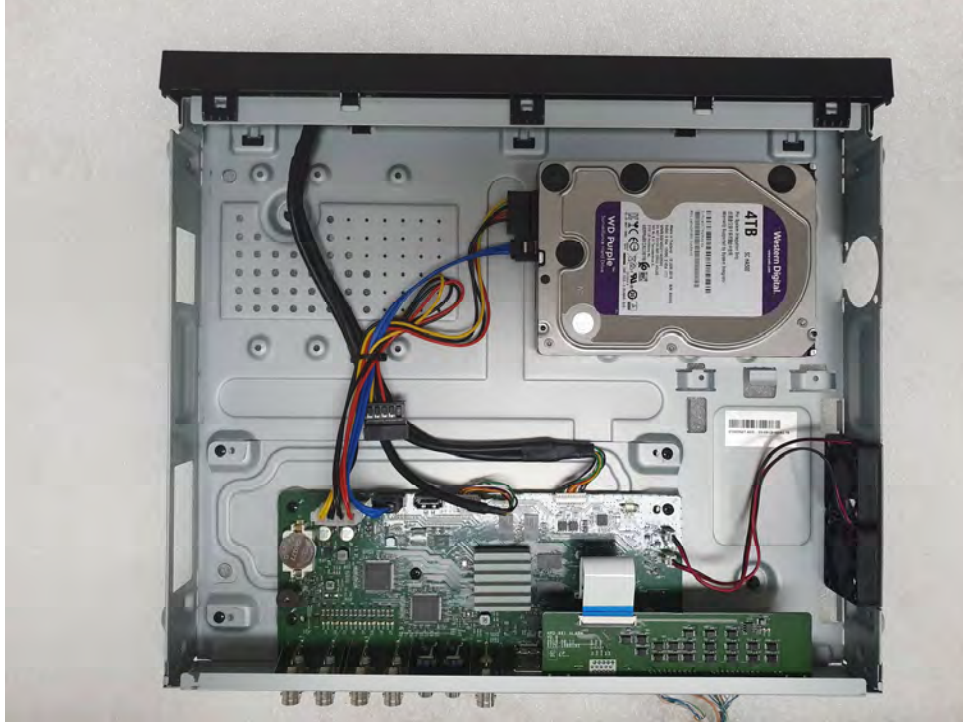
(Bottom)



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EUT Internal Photographs

(Internal View)



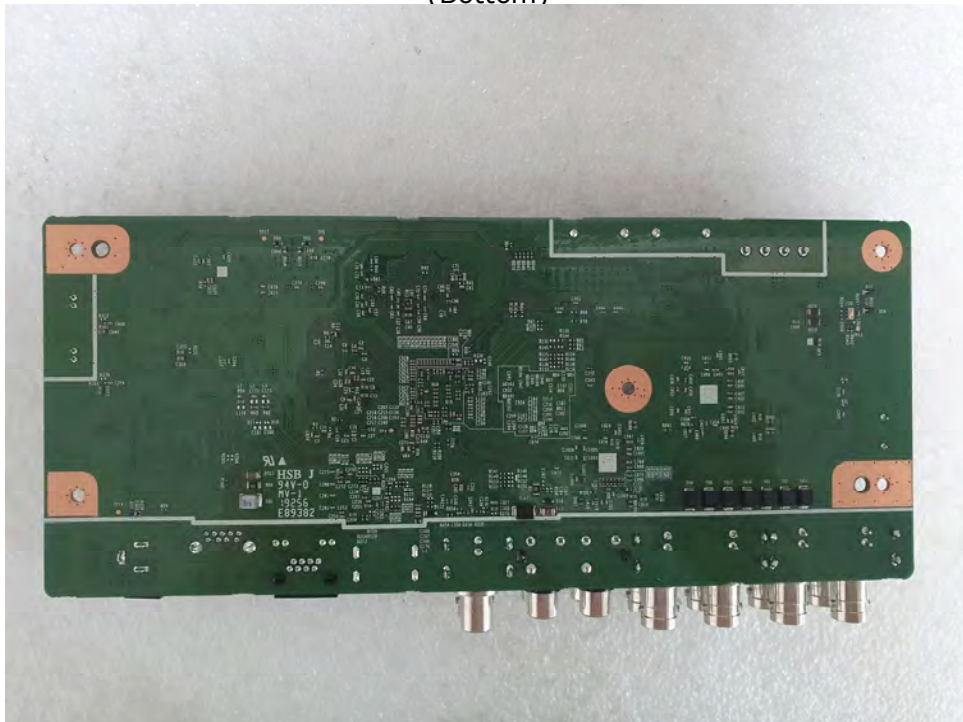
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EUT Internal View – Main Board

(Top)



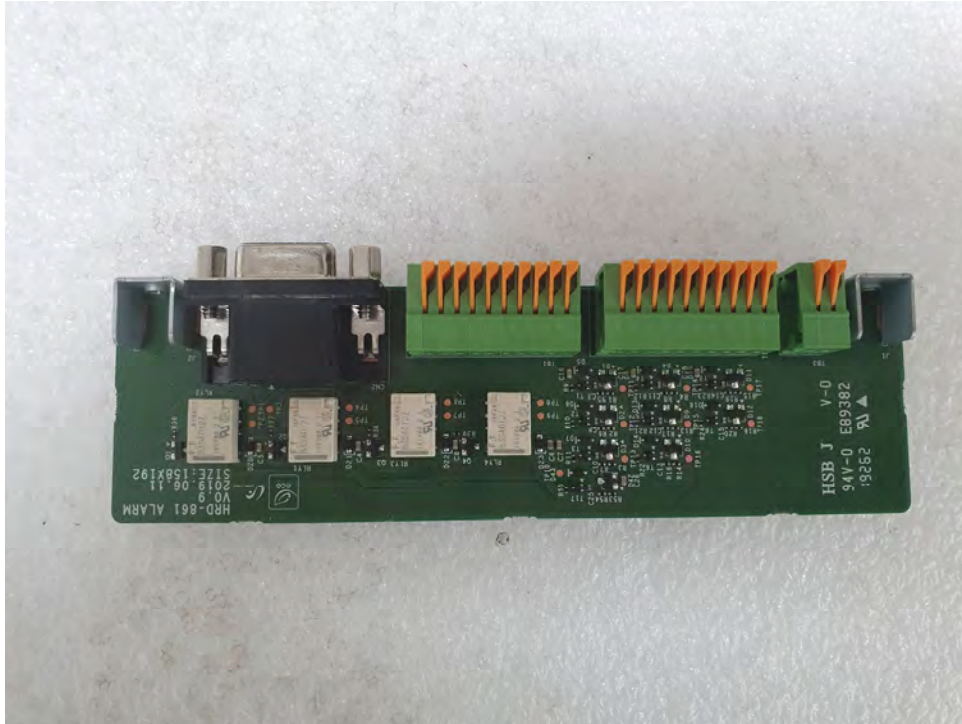
(Bottom)



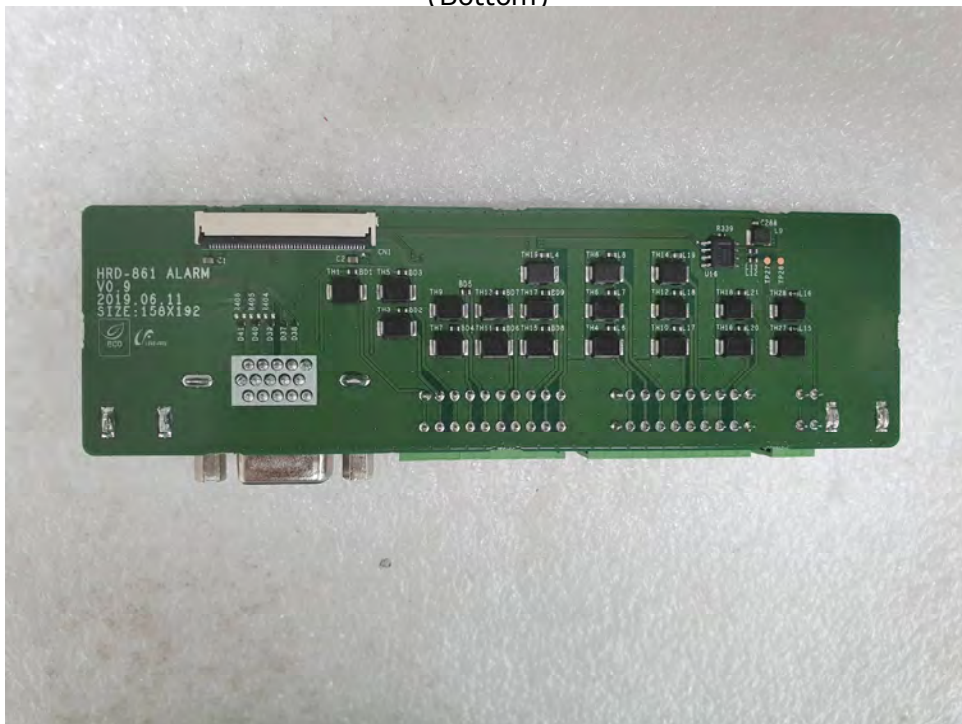
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EUT Internal View – Sub Board 1

(Top)



(Bottom)



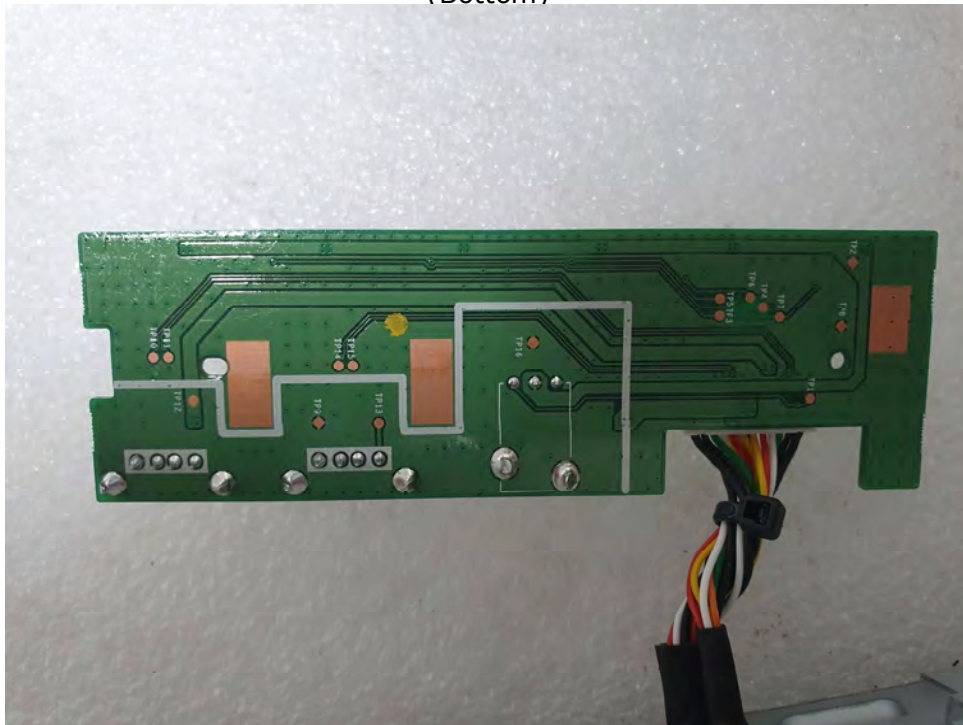
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EUT Internal View – Sub Board 2

(Top)

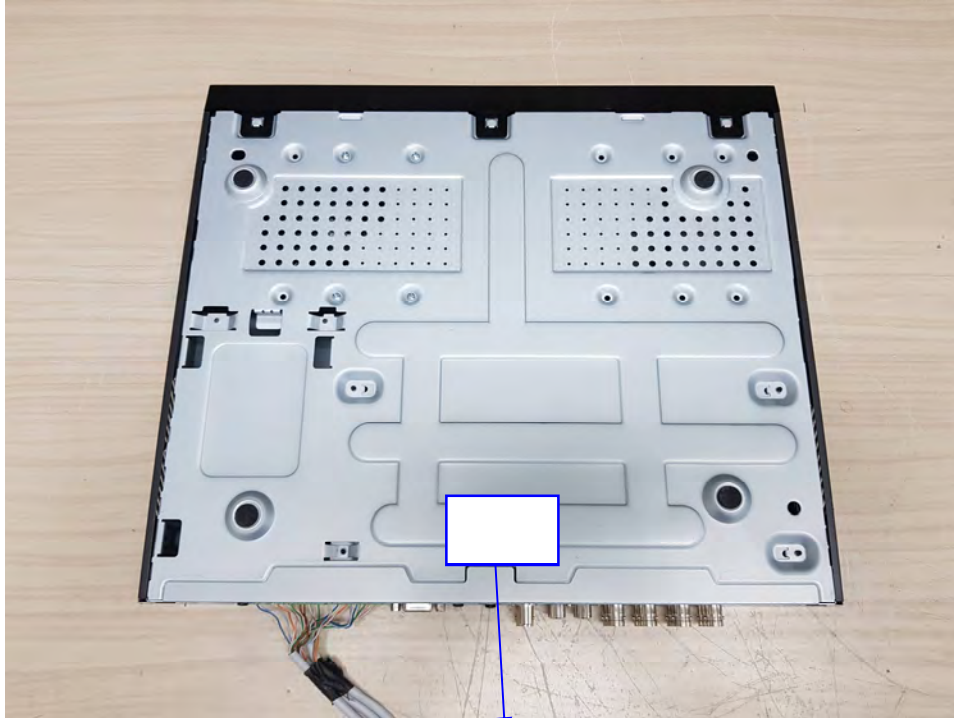


(Bottom)



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Label Photographs



CAN ICES-3(A) / NMB-3(A)

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

(1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.