EMC TEST REPORT

Test Report No.	:	KES-EM-20T0854-R1
Date of Issue	:	Jan. 18, 2021
Product name	:	NETWORK CAMERA
Model/Type No.	:	XNP-9250
Variant Model	:	XNP-8250
Applicant	:	Hanwha Techwin Co., Ltd.
Applicant Address	:	6, Pangyo-ro 319Beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea
Manufacturer	:	1. HANWHA TECHWIN SECURITY VIETNAM CO.,LTD. 2. D-TECH CO.,LTD.
Manufacturer Address	:	1. Lot O-2, Que Vo Industrial Zone extended area, Nam Son commune, Bac Ninh city, Bac Ninh province, Vietnam 2. 173-25, Saneop-ro, Gwonseon-gu, Suwon-si, Gyeonggi- do, Korea (Suwon Industrial Complex)
Equipment authorization	:	Supplier's Declaration of Conformity
Date of Receipt	:	Nov. 04, 2020
Test date	:	Nov. 15, 2020
Test Results	:	☒ In Compliance ☐ Not in Compliance

Tested by



Jun Soo, Jung
EMC Test Engineer

Reviewed by



Tae Yeon, Kim
EMC Assistant 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
Nov. 27, 2020	KES-EM-20T0854	Issued
Jan. 18, 2021	KES-EM-20T0854-R1	Changed model name, variant model name and specification due to customer request.

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TABLE OF CONTENTS

1.0 General Product Description 4
1.1 Test Voltage & Frequency 7
1.2 Variant Model Differences 7
1.3 Device Modifications 7
1.4 Equipment Under Test 7
1.5 Support Equipments 7
1.6 External I/O Cabling 8
1.7 EUT Operating Mode(s) 8
1.8 Configuration 9
1.9 Remarks when standards applied 10
1.10 Calibration Details of Equipment Used for Measurement 10
1.11 Test Facility 10
1.12 Laboratory Accreditations and Listings 10
2.0 Test Regulations 11
2.1 Conducted Emissions at Mains Power Ports 13
2.2 Radiated Electric Field Emissions(Below 1 ㎓) 14
2.3 Radiated Electric Field Emissions(Above 1 ㎓) 15
APPENDIX A – TEST DATA 16
Conducted Emissions at Mains Power Ports 16
Radiated Electric Field Emissions(Below 1 ㎓) 18
Radiated Electric Field Emissions(Above 1 ㎓) 19
Test Setup Photos and Configuration 20
Conducted Emissions at Mains Power Ports 20
Radiated Electric Field Emissions(Below 1 ㎓) 21
Radiated Electric Field Emissions(Above 1 ㎓) 22
EUT External Photographs 23
EUT Internal Photographs 24

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1.0 General Product Description

Main Specifications of EUT are:

Video	
Imaging Device	1/2.8" 8MP CMOS
Effective Pixels	3864(H)x2192(V)
Min. Illumination	Color: 0.1Lux(F1.6, 1/30sec) BW: 0.01Lux(F1.6, 1/30sec)
Video Out	None
Lens	
Focal Length (Zoom Ratio) TBD	5~125mm(25x) zoom
Max. Aperture Ratio	F1.6(Wide)~F3.73(Tele)
Angular Field of View	H: 57.42°(Wide)~2.71°(Tele) / V: 33.54°(Wide)~1.55°(Tele)
Min. Object Distance	5m(16.4ft)
Focus Control	Oneshot AF, Focus save
Lens Type	DC auto iris
Pan / Tilt / Rotate	
Pan Range	360° Endless
Pan Speed	Max. 700°/sec, Manual: 0.024°/sec~250°/sec
Tilt Range	110°(-20°~90°)
Tilt Speed	Max. 500°/sec, Manual: 0.024°/sec~250°/sec
Sequence	Preset(300ea), Swing, Group(6ea), Trace, Tour, Auto Run, Schedule, Preset trace recording
Preset Accuracy	±0.1°(±°20°C by temperature at preset setting) / ±0.2°(other temperature)
Azimuth	Support
Auto Tracking	Object auto tracking(Person/Vehicle)
Operational	
IR Viewable Length	None
Camera Title	Displayed up to 85 characters, Direction Indicator
Day & Night	Auto(ICR)/Color/BW/Schedule
Backlight Compensation	BLC, HLC, WDR
Wide Dynamic Range	120 dB
Digital Noise Reduction	SSNRV
Digital Image Stabilization	Support(built-in gyro sensor)
Defog	Support
Motion Detection	8ea, 8point polygonal zones
Privacy Masking	32ea, polygonal Support - Color: Grey/Green/Red/Blue/Black/White - Mosaic
Gain Control	Manual / Max
White Balance	ATW, NARROW ATW, Manual, AWC, OUTDOOR, INDOOR, MERCURY, SODIUM
LDC	None
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (2~1/12,000sec)
Video Rotation	Flip&Mirror
Analytics	Directional detection, Fog detection, Face detection, Motion detection, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Shock detection * Audio detection, Sound classification(with NW I/O Box)

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Business Intelligence	None
Serial Interface	None
Alarm I/O	None
Alarm Triggers	Analytics, Network disconnect * Alarm input(with NW I/O Box)
Alarm Events	File upload via FTP and e-mail Notification via e-mail SD/SDHC/SDXC or NAS recording at event triggers PTZ Preset * Alarm output(with NW I/O Box)
Audio In	None
Audio Out	None
Wiper / Waterdrop removal	Spinning Dry, Heat film
Network	
Ethernet	RJ-45(10/100BASE-T)
Video Compression	H.265/H.264,MJPEG
Resolution	3840x2160, 2592x1944, 2592x1464, 1920x1080, 1600x1200, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
Max. Framerate	H.265/H.264: Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max. 30fps/25fps(60Hz/50Hz)
Smart Codec	Manual(5ea area), WiseStream Ⅱ
Video Quality Adjustment	H.264/H.265: Target bitrate level control MJPEG: Target bitrate level control
Bitrate Control	H.264/H.265: CBR or VBR MJPEG: VBR
Streaming	Unicast(20 users) / Multicast (128 user) Multiple streaming(Up to 10 profiles)
Audio Compression	None
Protocol	IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP,RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour,LLDP, SRTP
Security	HTTPS(SSL) Login Authentication Digest Login Authentication IP Address Filtering User access log 802.1X Authentication(EAP-TLS, EAP-LEAP) Device certificate(Hanwha Techwin Root CA)

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Edge Storage	Micro SD/SDHC/SDXC 2slot 1TB
Application Programming Interface	ONVIF Profile S/G/T SUNAPI(HTTP API) Wisenet open platform
Webpage Language	English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Swedish, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek
Web Viewer	Supported OS: Windows 7, 8.1, 10, Mac OS X 10.10, 10.11, 10.12 Recommended Browser: Google Chrome Supported Browser: MS Explore11, MS Edge, Mozilla Firefox(Window 64bit only), Apple Safari(Mac OS X only)
Memory	4GB RAM, 512MB Flash
Environmental	
Operating Temperature / Humidity	-40°C~+55°C (-40°F ~ +131°F) / Less than 95% RH(Non-condensing) Start up should be done at above -30°C Maximum Temperature : +60°C(+140°F), intermittent Absolute maximum(According to NEMA TS2, 2.2.7) : +74℃
Storage Temperature / Humidity	-50°C~+60°C (-58°F~+140°F) / Less than 95% RH(Non-condensing)
Certification	IP66, IK10(Body only), NEMA4X, NEMA TS 2.2.9
Electrical	
Input Voltage	PoE+(IEEE802.3at, Class4, Type 2)
Power Consumption	HPoE Max. 25W, Typ. 20W
Mechanical	
Color / Material	White / body(Aluminum),dome(PC)
RAL Code	None
Product dimensions / weight	Ø158x293mm, 3.1Kg
Conduit hole	None
Hanging mount(Dome)	None
Skin cover(Dome)	None
Weather cap(Dome)	None
Power module	None
Backbox	None

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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

Addition of derivative models for place of sale management

1.3 Device Modifications

Not applicable

1.4 Equipment Under Test

Description	Model Number	Serial Number	Manufacturer	Remarks
NETWORK CAMERA	XNP-9250	-	HANWHA TECHWIN SECURITY VIETNAM CO.,LTD.	EUT
PoE Adapter	PT-PSE106GBR-AH-S	-	Dongguan PROCET Network Technology Co.,Ltd	-

1.5 Support Equipments

Description	Model Number	Serial Number	Manufacturer	Remarks
PoE Switch	GS728TPP	-	NETGEAR	-
Notebook 1	HSN-Q07C	5CD8367KND	HP	-
Notebook 1 Adapter	HSTNN-CA40	WFTKU0ERLB4QCH	HP	-
Notebook 2	P95G001	9JM8HT2	Wistron Infocom (Chengdu) Company Limited	-
Notebook 2 Adapter	LA65NS2-01	-	LITE-ON TECHNOLOGY (CHANGZHOU)CO.,LTD.	-
Micro SD Card	-	-	SanDisk	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
NETWORK CAMERA (EUT)	RJ-45	PoE Adapter (EUT)	PoE	1.8	U
	SLOT	Micro SD Card	SLOT	-	-
PoE Adapter (EUT)	SFP	PoE Switch	Optical	2.2	U
	LAN	Notebook 1	RJ-45	3.0	U
	Ground	Ground	Ground	2.0	U
PoE Switch	RJ-45	Notebook 2	RJ-45	3.0	U

* Unshielded=U, Shielded=S

1.7 EUT Operating Mode(s)

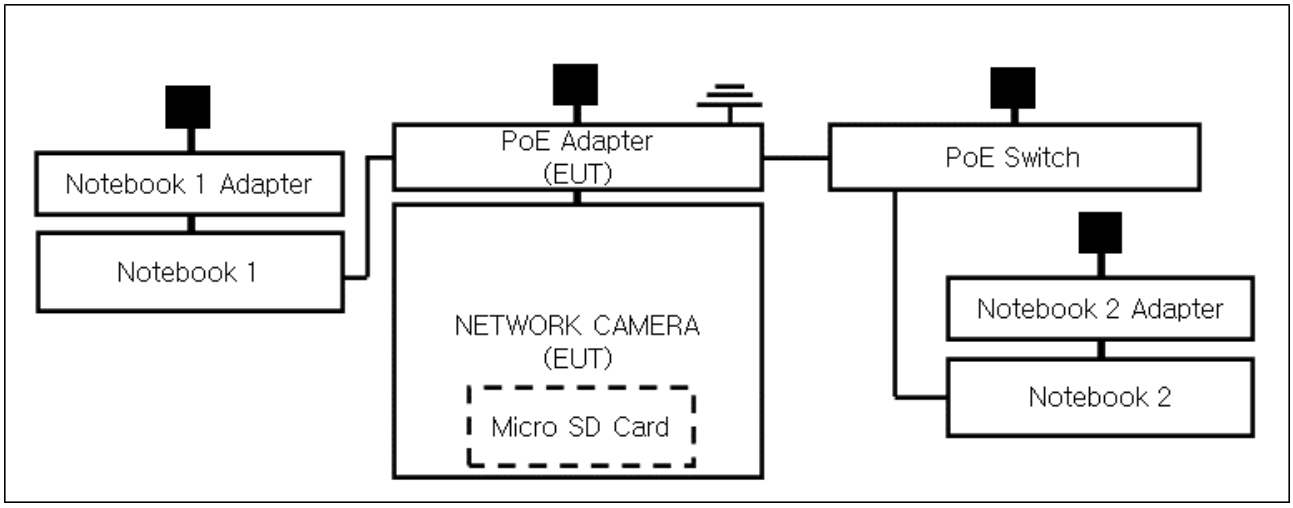
Test Mode	operating
Operating	Monitoring EUT Using Web Viewer, Ping Test

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

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1.8 Configuration

■ AC Main
□ DC Main



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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	TÜ V SÜ D	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 0004

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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

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☐ 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

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2.1 Conducted Emissions at Mains Power Ports

Test Date
Nov. 15, 2020

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	101783	01, 20, 2021
☒	LISN	ENV216	R & S	101787	01, 02, 2021
☒	LISN	ESH2-Z5	R & S	100450	01, 02, 2021
☒	PULSE LIMITER	ESH3-Z2	R & S	101915	01, 02, 2021

Test Conditions
Temperature: 23,0 ℃
Relative Humidity: 44,4 % R.H.

Frequency Range of Measurement
150 ㎑ to 30 ㎒

Instrument Settings
IF Band Width: 9 ㎑

Test Results
The requirements are:

☒ PASS
☐ NOT PASS
☐ NOT APPLICABLE

Remarks
See Appendix A for test data.

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2.2 Radiated Electric Field Emissions(Below 1 ㎓)

Test Date
Nov. 15, 2020

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

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, 01, 2021
☒	AMPLIFIER	SCU 01	R & S	100603	11, 25, 2021
☒	TRILOG-BROADBAND ANTENNA	VULB9163	Schwarzbeck	715	11, 29, 2020
☒	ATTENUATOR	8491A	HP	32173	03, 10, 2021

Test Conditions
Temperature: 23,0 ℃
Relative Humidity: 44,3 % R.H.

Frequency Range of Measurement
30 ㎒ to 1 ㎓

Instrument Settings
IF Band Width: 120 ㎑

Test Results
The requirements are:

☒ PASS
☐ NOT PASS
☐ NOT APPLICABLE

Remarks
See Appendix A for test data.

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2.3 Radiated Electric Field Emissions(Above 1 ㎓)

Test Date
Nov. 15, 2020

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, 01, 2021
☒	PREAMPLIFIER	8449B	AGILENT	3008A01742	01, 02, 2021
☐	ATTENUATOR	8491A	HP	35496	03, 10, 2021
☒	HORN ANTENNA	BBHA 9120D	SCHWARZBECK	9120D-1802	12, 13, 2020

Test Conditions
Temperature: 21,2 ℃
Relative Humidity: 44,0 % R.H.

Frequency Range of Measurement
1 ㎓ to 5 ㎓

Instrument Settings
IF Band Width: 1 ㎒

Test Results
The requirements are:
☒ PASS
☐ NOT PASS
☐ NOT APPLICABLE

Remarks
See Appendix A for test data.

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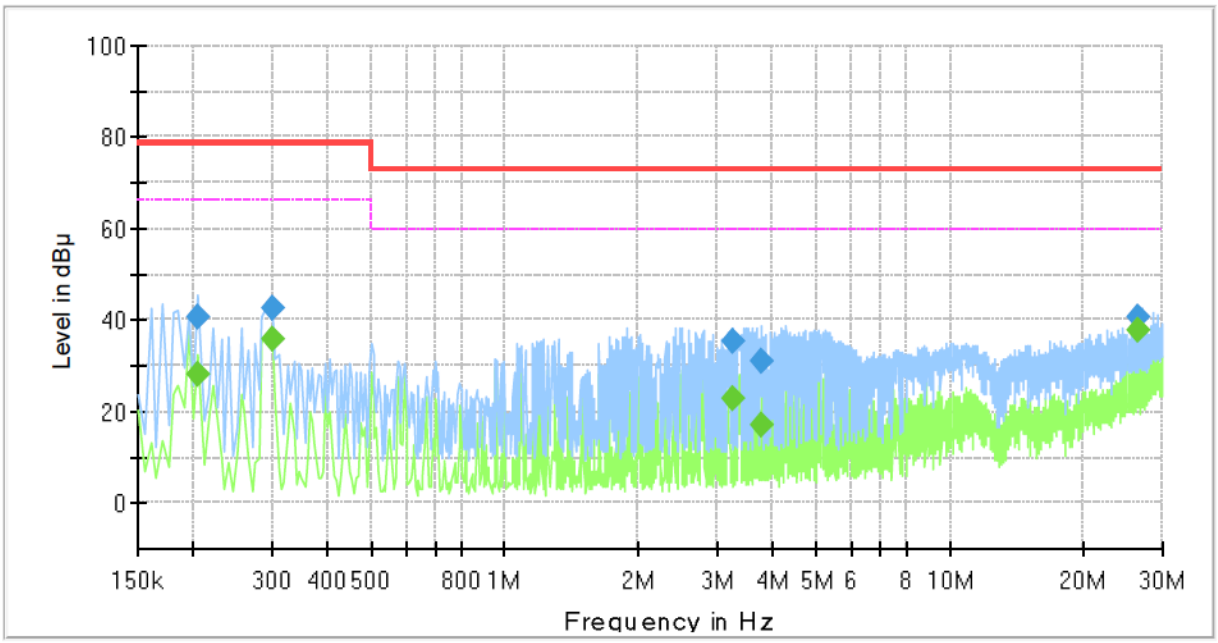
APPENDIX A – TEST DATA

Conducted Emissions at Mains Power Ports

HOT LINE

Common Information

Test Description:	Conducted Emission
Model No.:	XNP-9250
Phase:	L1
Mode:	
Operator Name:	KES



Final_Result

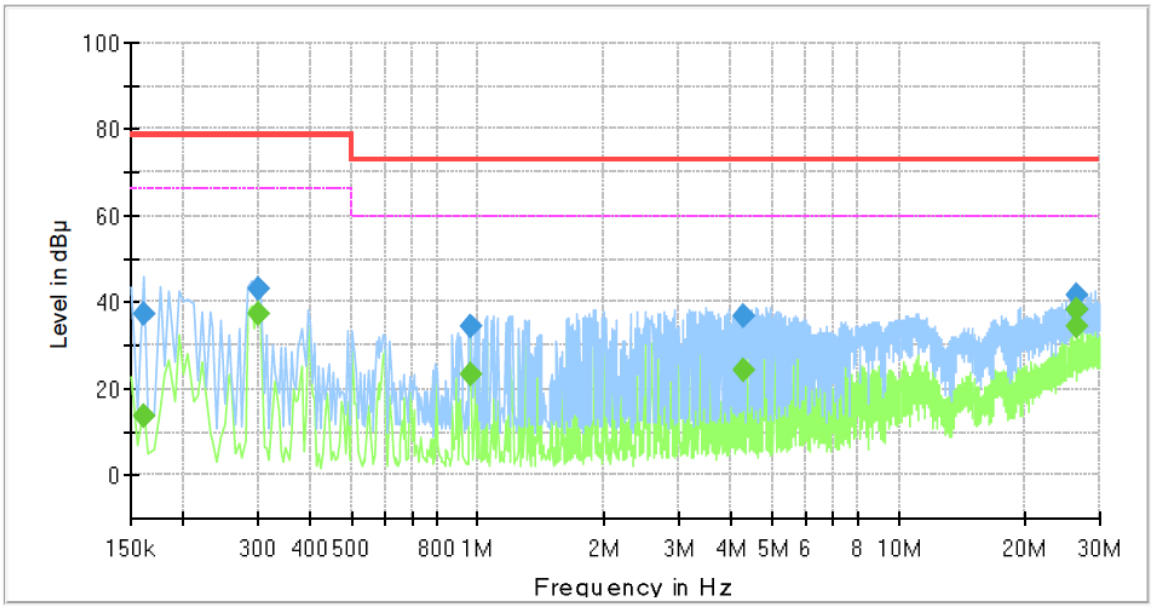
Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.205000	---	28.18	66.00	37.82	1000.0	9.000	L1	19.5
0.205000	40.59	---	79.00	38.41	1000.0	9.000	L1	19.5
0.300000	---	35.99	66.00	30.01	1000.0	9.000	L1	19.6
0.300000	42.51	---	79.00	36.49	1000.0	9.000	L1	19.6
3.260000	---	22.61	60.00	37.39	1000.0	9.000	L1	20.0
3.260000	35.25	---	73.00	37.75	1000.0	9.000	L1	20.0
3.775000	---	17.06	60.00	42.94	1000.0	9.000	L1	19.8
3.775000	30.88	---	73.00	42.12	1000.0	9.000	L1	19.8
26.610000	---	37.65	60.00	22.35	1000.0	9.000	L1	20.4
26.610000	40.57	---	73.00	32.43	1000.0	9.000	L1	20.4

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NEUTRAL LINE

Common Information

Test Description:	Conducted Emission
Model No.:	XNP-9250
Phase:	N
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	---	13.70	66.00	52.30	1000.0	9.000	N	19.4
0.160000	37.50	---	79.00	41.50	1000.0	9.000	N	19.4
0.300000	---	37.47	66.00	28.53	1000.0	9.000	N	19.6
0.300000	42.97	---	79.00	36.03	1000.0	9.000	N	19.6
0.960000	---	23.24	60.00	36.76	1000.0	9.000	N	20.1
0.960000	34.55	---	73.00	38.45	1000.0	9.000	N	20.1
4.280000	---	24.46	60.00	35.54	1000.0	9.000	N	19.7
4.280000	36.67	---	73.00	36.33	1000.0	9.000	N	19.7
26.545000	---	34.59	60.00	25.41	1000.0	9.000	N	20.5
26.545000	38.21	---	73.00	34.79	1000.0	9.000	N	20.5
26.610000	---	38.03	60.00	21.97	1000.0	9.000	N	20.5
26.610000	41.47	---	73.00	31.53	1000.0	9.000	N	20.5

◆ Calculation

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

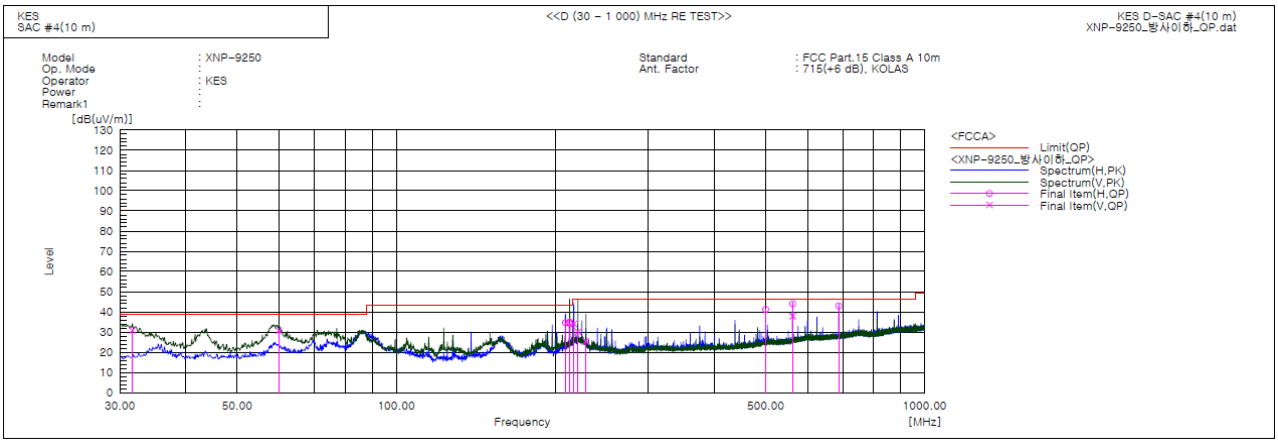
QuasiPeak / CAverage : The Final Value

Reading Value : Not shown in the table.

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

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Radiated Electric Field Emissions(Below 1 GHz)



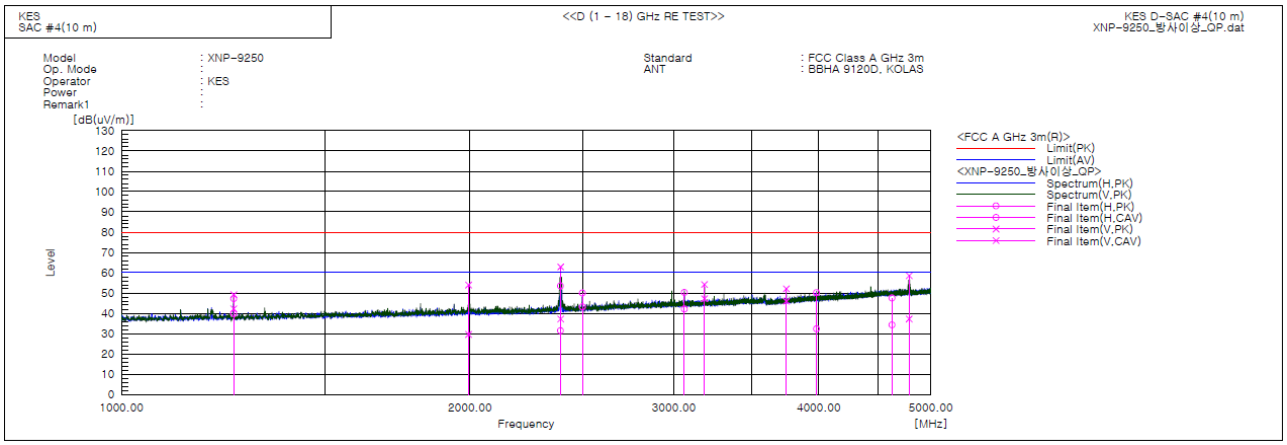
Final Result

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	31.698	V	55.9	-25.0	30.9	39.0	8.1	218.0	80.0	
2	59.949	V	53.2	-22.5	30.7	39.0	8.3	110.0	51.0	
3	208.965	H	55.9	-21.2	34.7	43.5	8.8	317.0	291.0	
4	212.845	H	55.3	-21.0	34.3	43.5	9.2	290.0	258.0	
5	212.845	H	55.9	-21.0	34.9	43.5	8.6	326.0	258.0	
6	216.725	V	54.9	-20.8	34.1	46.5	12.4	101.0	231.0	
7	220.726	V	50.8	-20.6	30.2	46.5	16.3	119.0	267.0	
8	228.486	V	45.9	-20.4	25.5	46.5	21.0	101.0	267.0	
9	499.965	H	54.1	-12.8	41.3	46.5	5.2	213.0	57.0	
10	562.530	H	55.3	-11.3	44.0	46.5	2.5	186.0	201.0	
11	562.530	V	49.2	-11.3	37.9	46.5	8.6	100.0	215.0	
12	687.660	H	51.6	-8.7	42.9	46.5	3.6	119.0	199.0	

♦ Calculation – SAC #4(10 m)
Result(QP) [dB(㎶/m)] = (Reading(QP)[dB(㎶)] + c.f[dB(1/m)]
Margin(QP)[dB] = Limit[dB(㎶/m)] - Result(QP) [dB(㎶/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)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin CAV [dB]	Height [cm]	Angle [deg]	Remark
1	1249.930	V	53.1	46.2	-3.9	49.2	42.3	80.0	60.0	30.8	17.7	172.0	243.0	
2	1250.135	H	51.2	43.8	-3.9	47.3	39.9	80.0	60.0	32.7	20.1	310.0	104.0	
3	1993.395	V	54.4	30.0	-0.4	54.0	29.6	80.0	60.0	26.0	30.4	100.0	279.0	
4	2393.650	H	52.0	29.9	1.5	53.5	31.4	80.0	60.0	26.5	28.6	249.0	185.0	
5	2394.495	V	61.4	35.7	1.5	62.9	37.2	80.0	60.0	17.1	22.8	110.0	240.0	
6	2500.065	H	47.9	41.1	2.1	50.0	43.2	80.0	60.0	30.0	16.8	277.0	323.0	
7	3062.575	H	45.7	37.5	4.6	50.3	42.1	80.0	60.0	29.7	17.9	337.0	347.0	
8	3187.575	V	49.2	42.3	5.0	54.2	47.3	80.0	60.0	25.8	12.7	112.0	287.0	
9	3750.150	V	45.2	39.1	6.9	52.1	46.0	80.0	60.0	27.9	14.0	141.0	316.0	
10	3982.385	H	42.0	24.2	8.2	50.2	32.4	80.0	60.0	29.8	27.6	397.0	185.0	
11	4627.580	H	36.5	23.3	11.0	47.5	34.3	80.0	60.0	32.5	25.7	400.0	28.0	
12	4787.705	V	47.3	25.9	11.3	58.6	37.2	80.0	60.0	21.4	22.8	109.0	262.0	

♦ 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)]

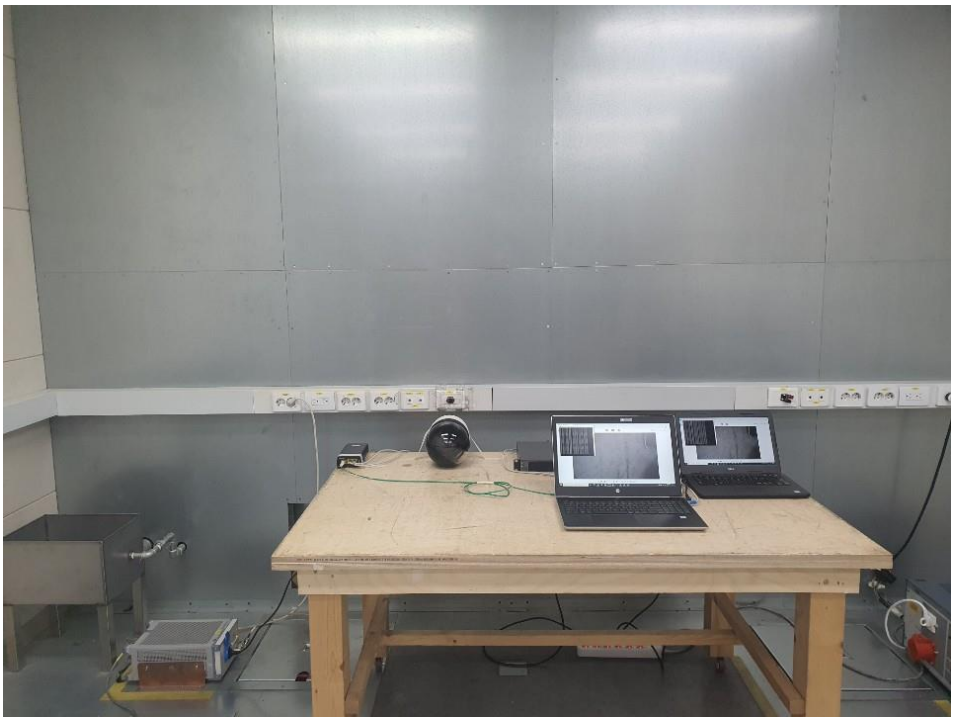
Reading(PK/CAV) : Reading value, Result(PK/CAV) : Reading value + Factor value

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

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Test Setup Photos and Configuration

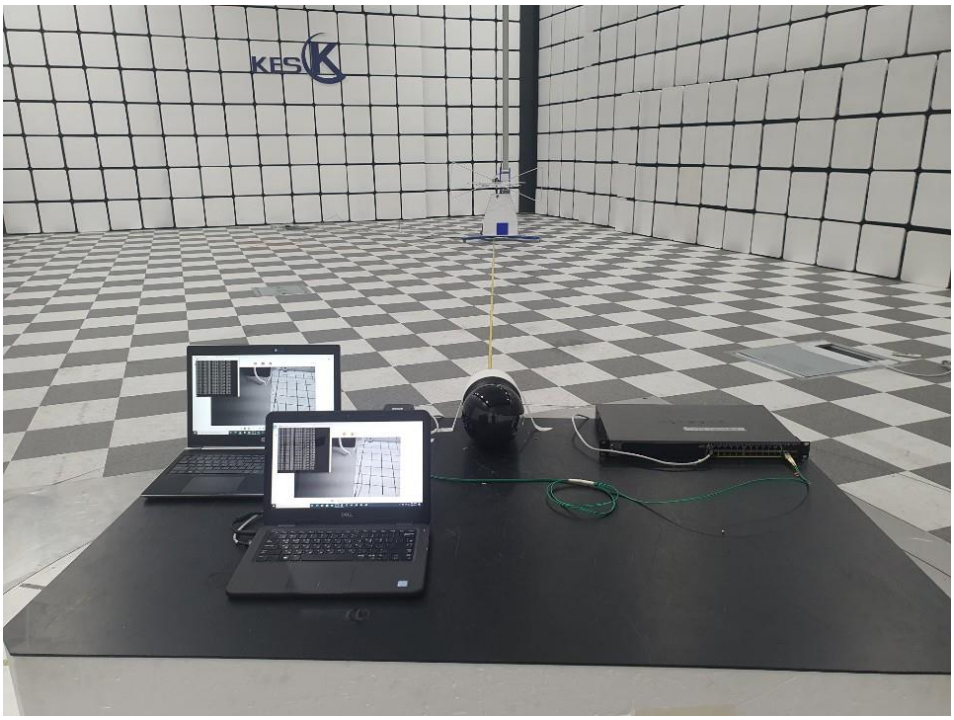
Conducted Emissions at Mains Power Ports





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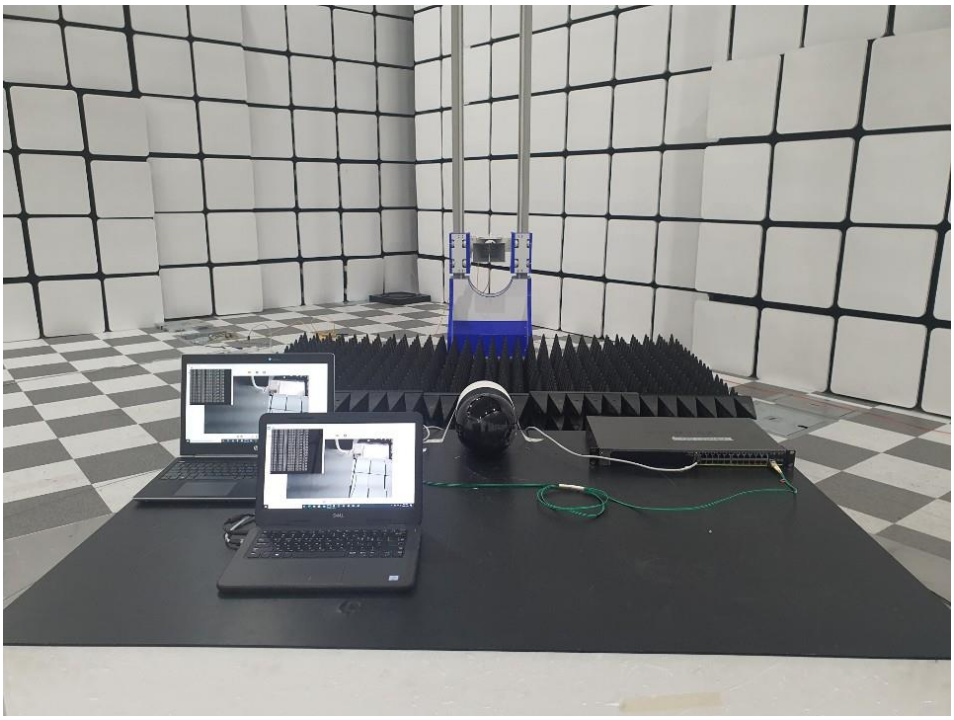
Radiated Electric Field Emissions(Below 1 GHz)

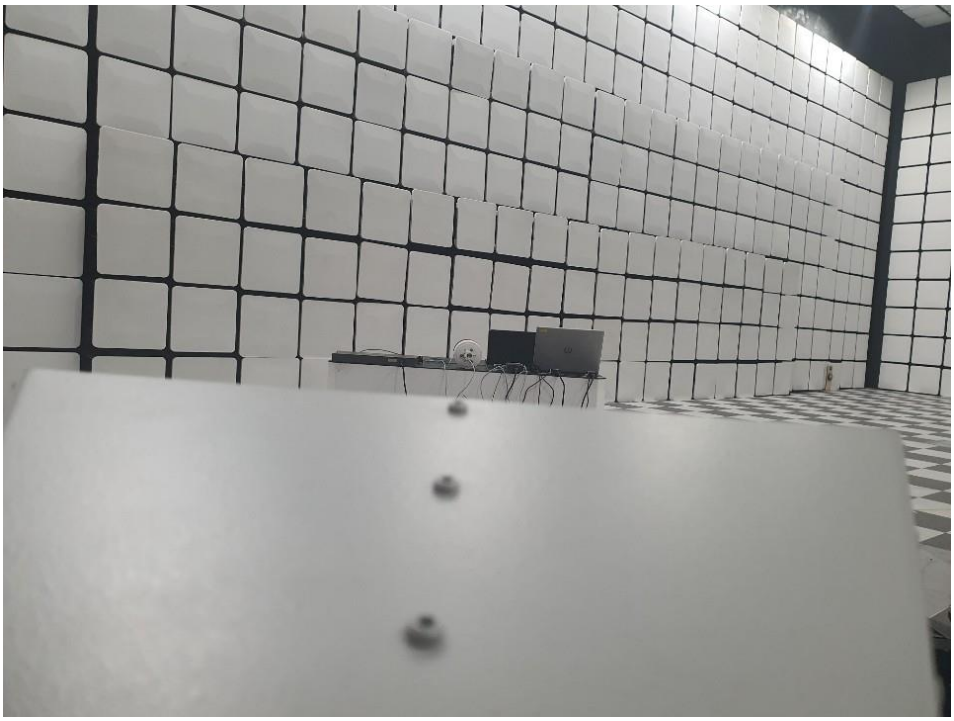




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Radiated Electric Field Emissions(Above 1 GHz)





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EUT External Photographs

(Top)



(Bottom)



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EUT Internal Photographs

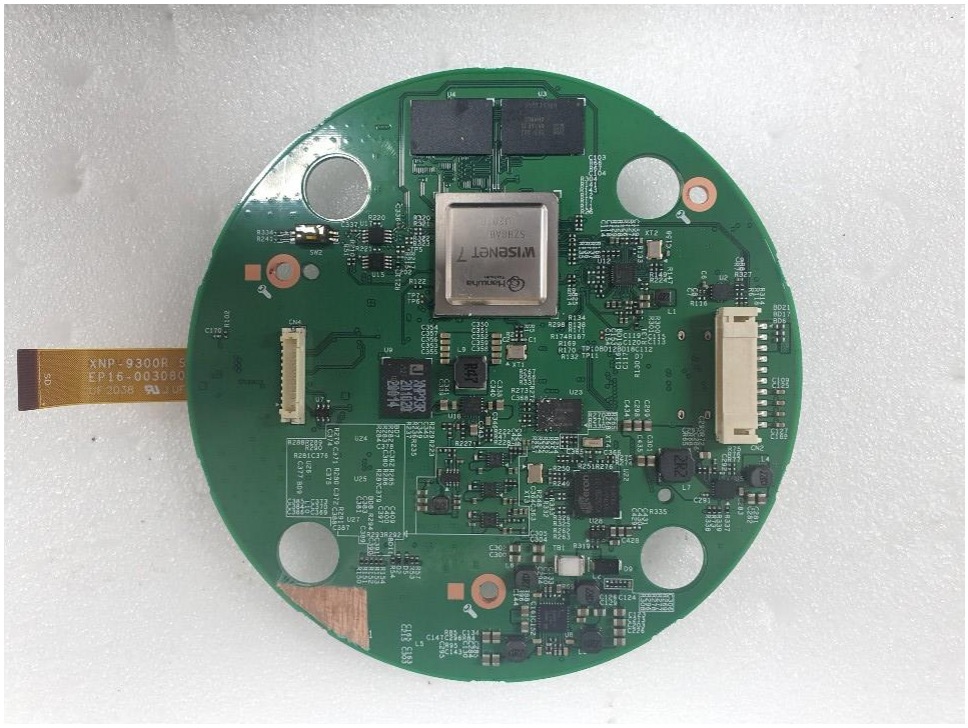
(Internal View)



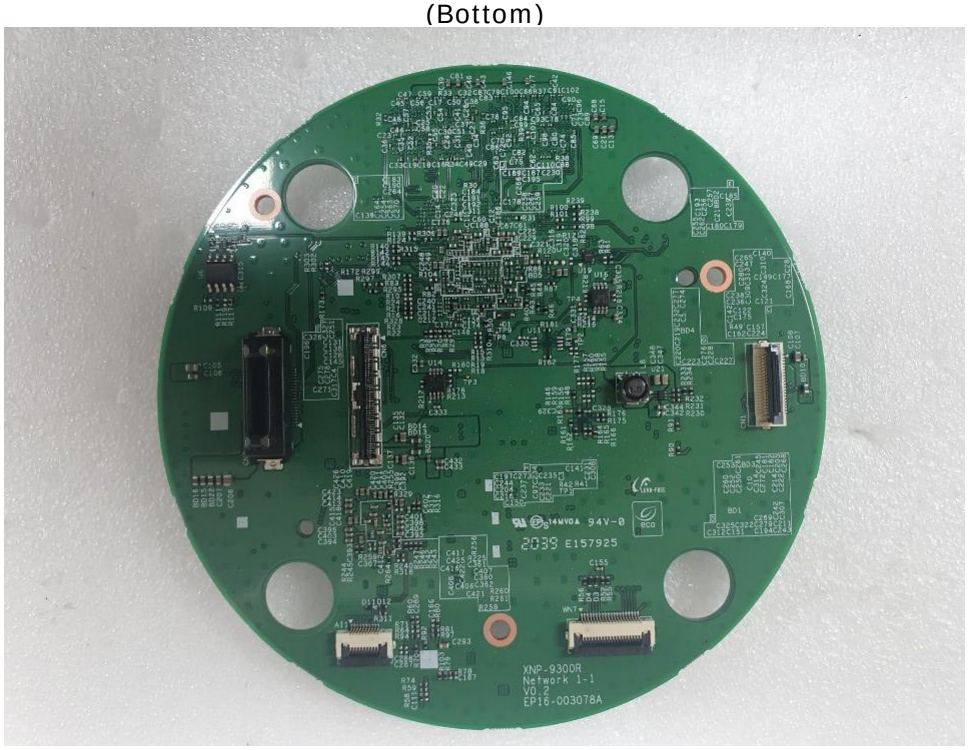
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EUT Internal View – Main Board

(Top)



(Bottom)



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EUT Internal View – SUB Board 1

(Top)



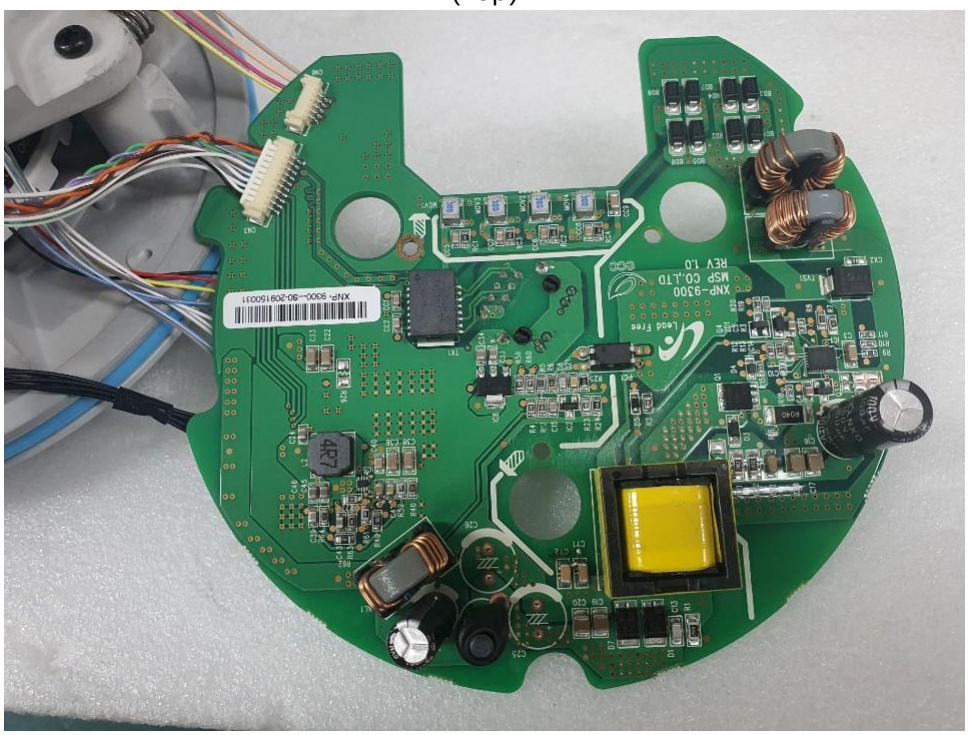
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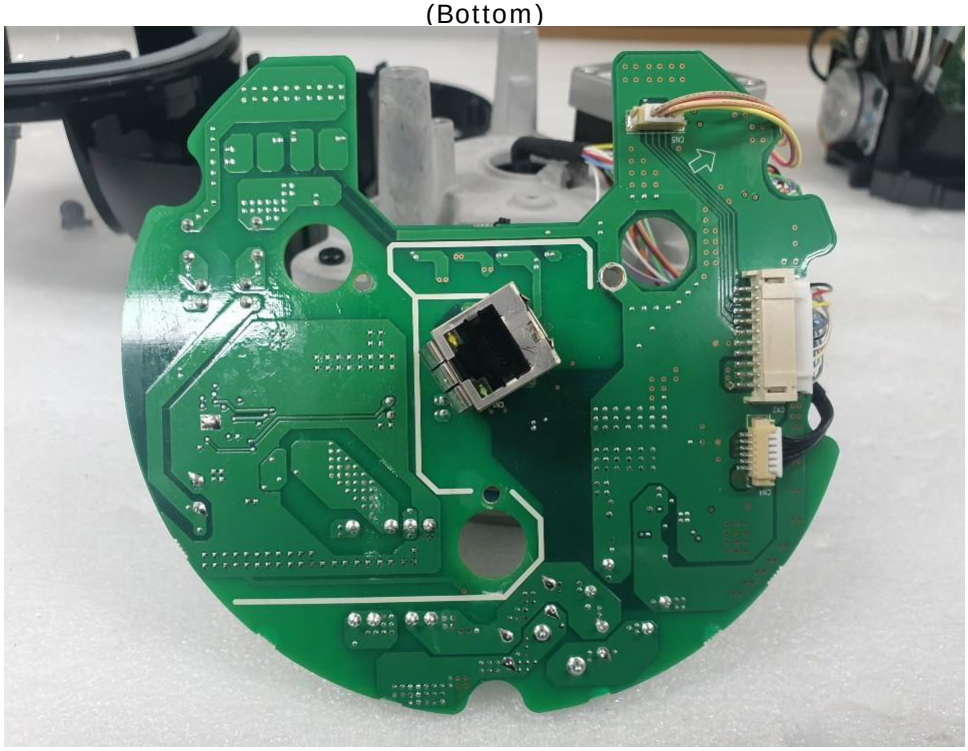
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EUT Internal View – SUB Board 2

(Top)



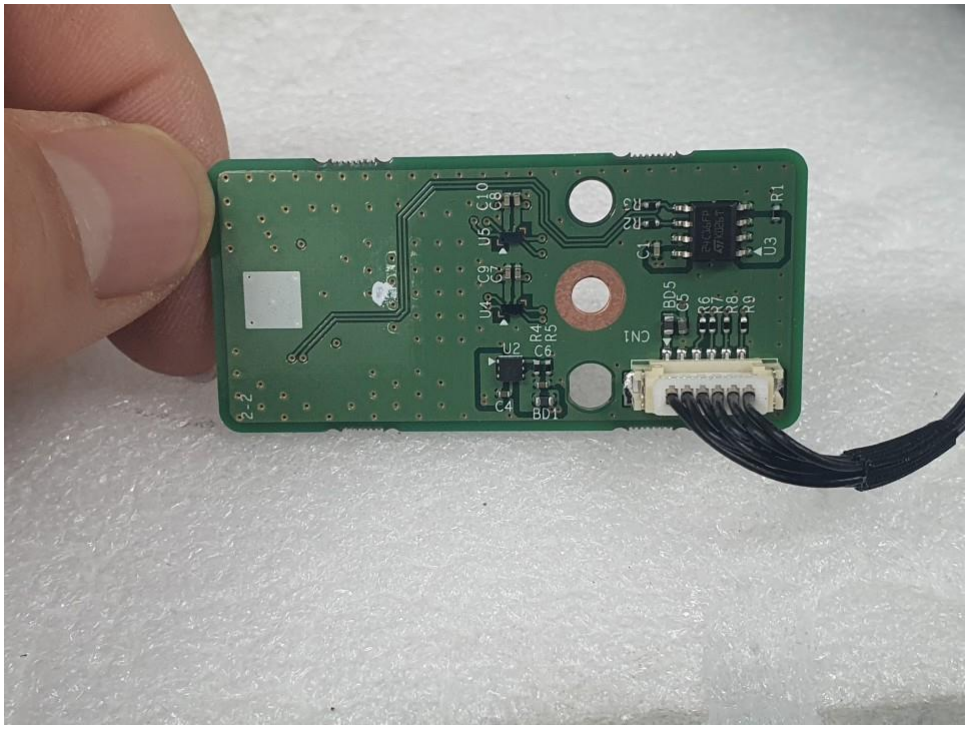
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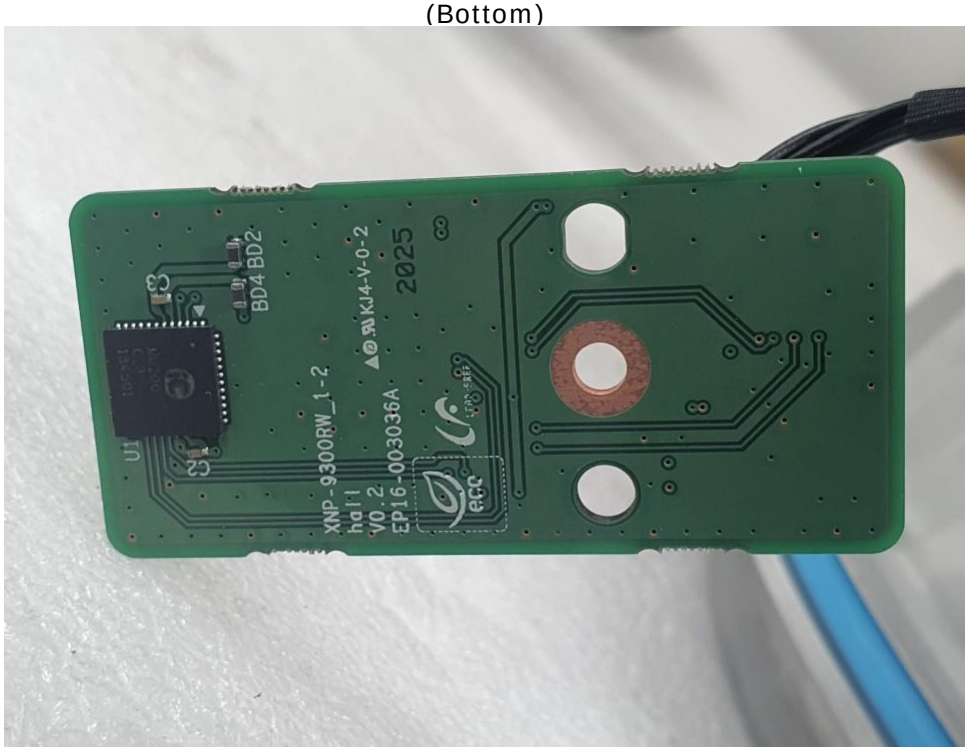
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EUT Internal View – SUB Board 3

(Top)



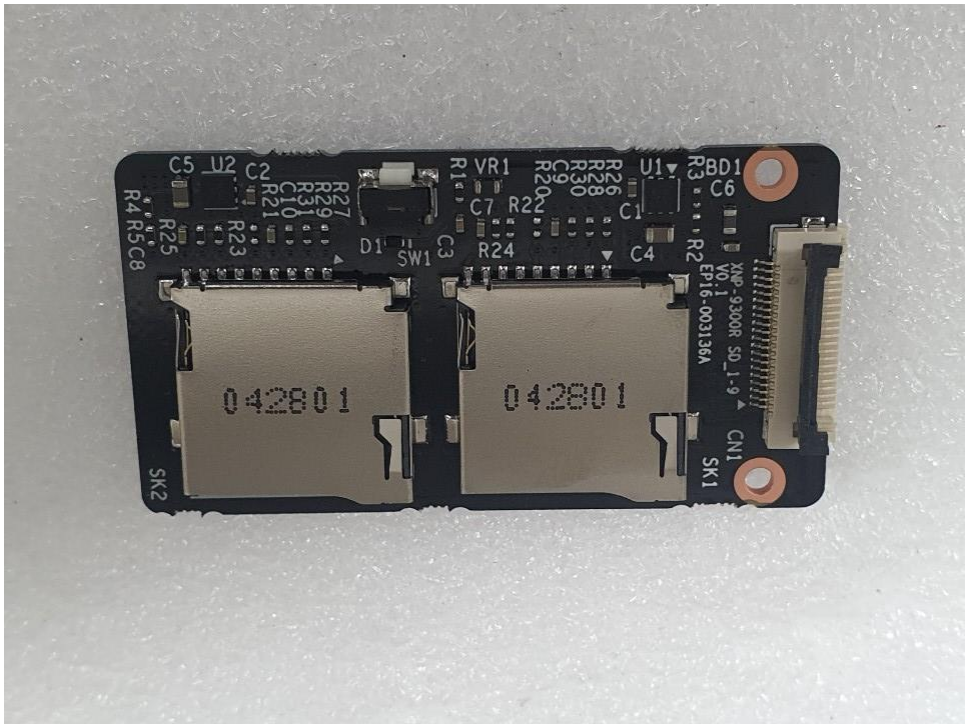
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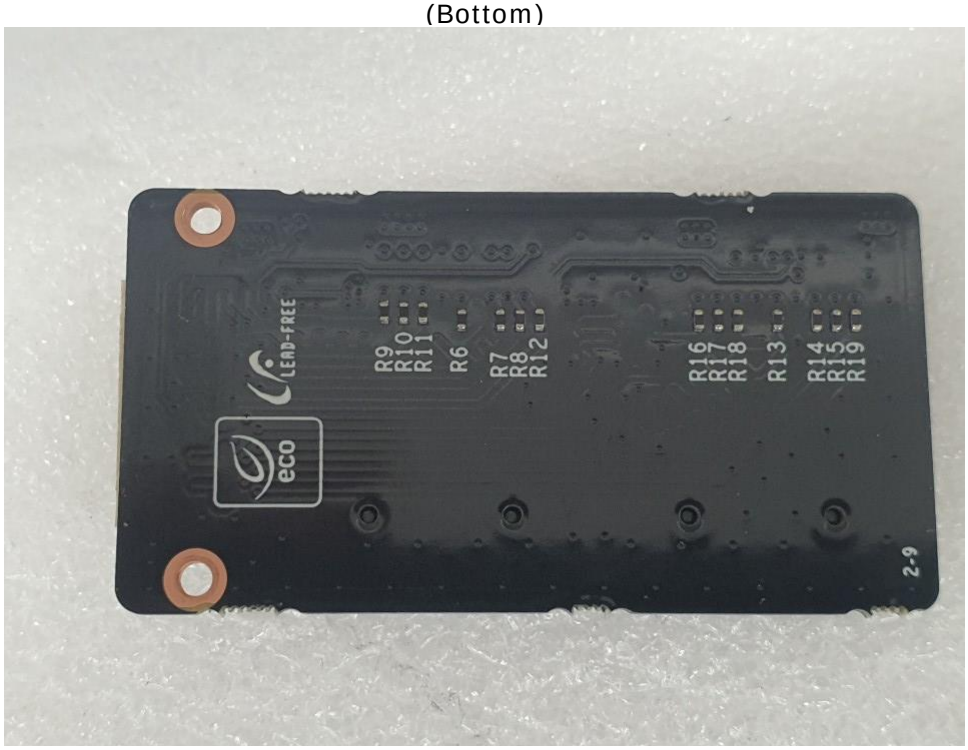
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EUT Internal View – SUB Board 4

(Top)



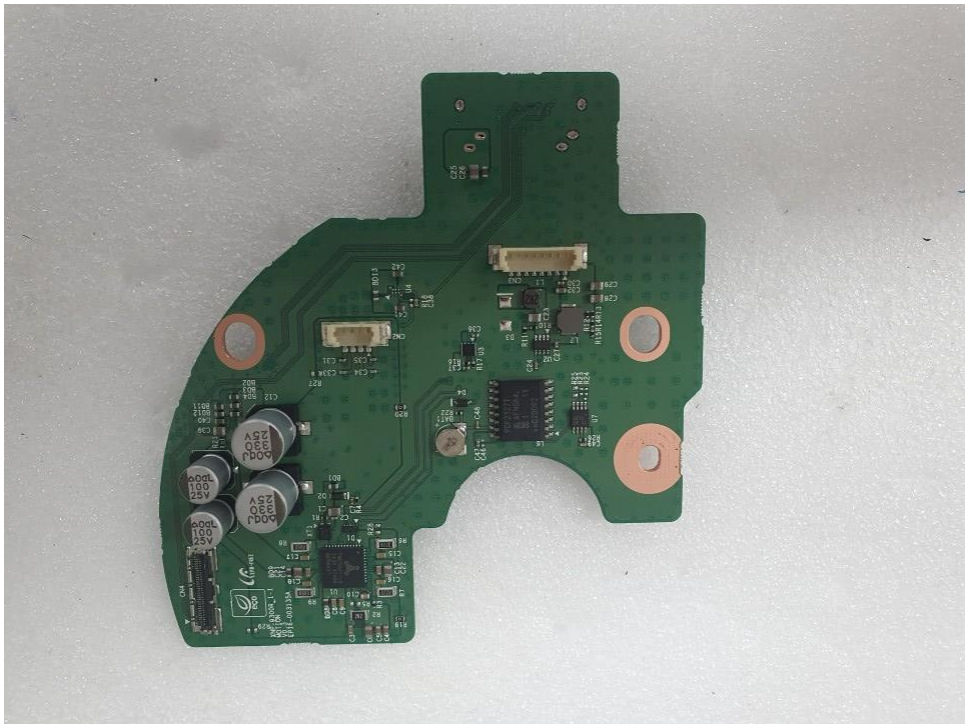
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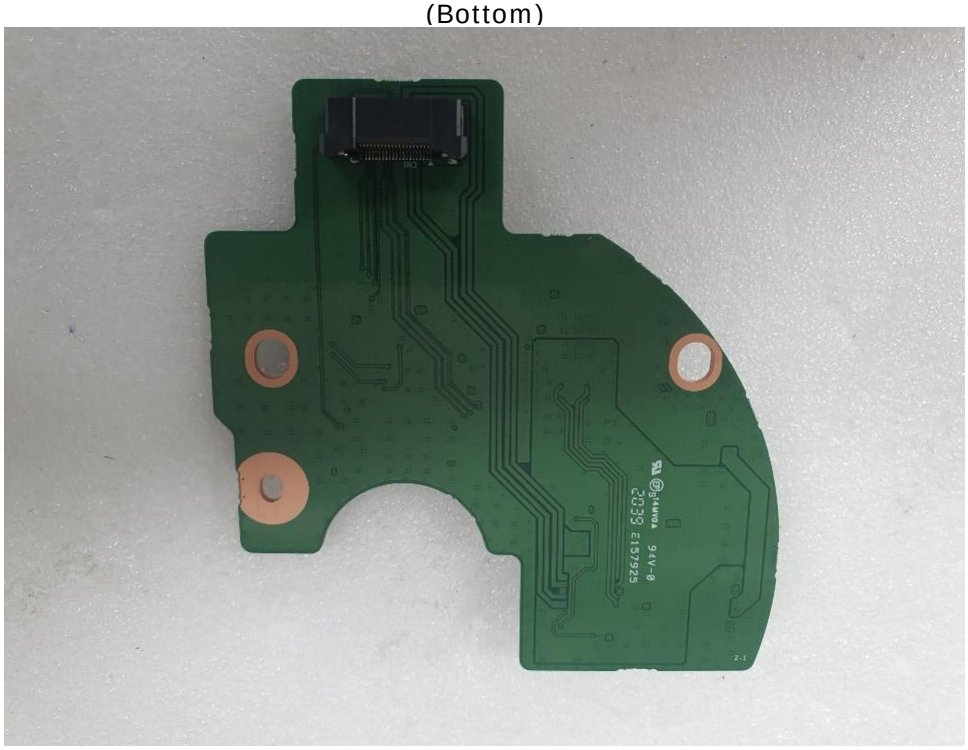
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EUT Internal View – SUB Board 5

(Top)



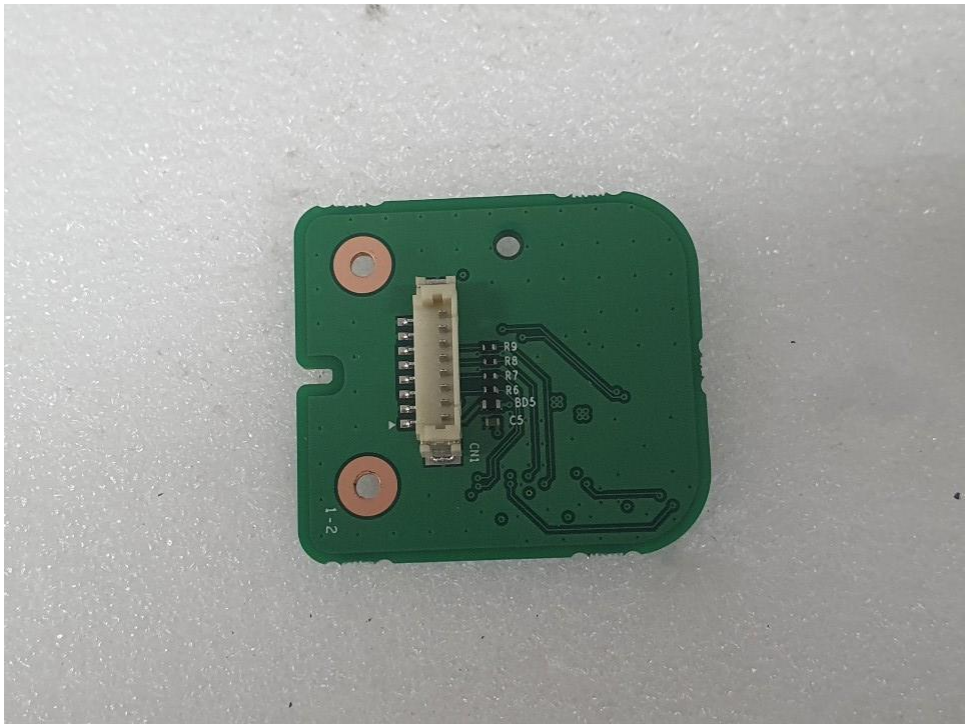
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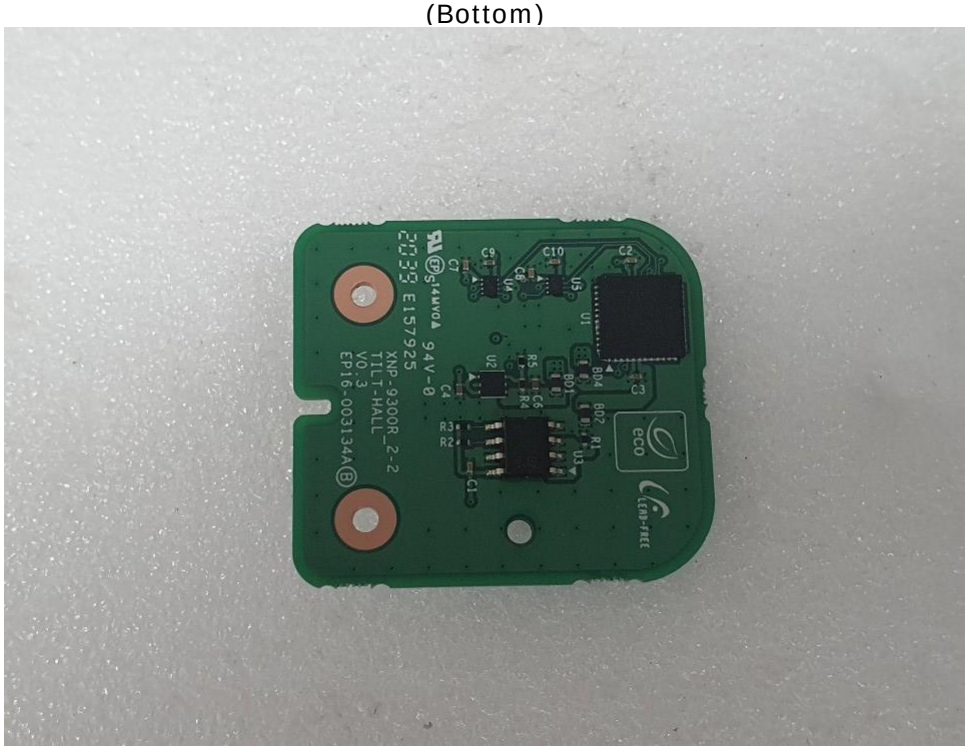
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EUT Internal View – SUB Board 6

(Top)



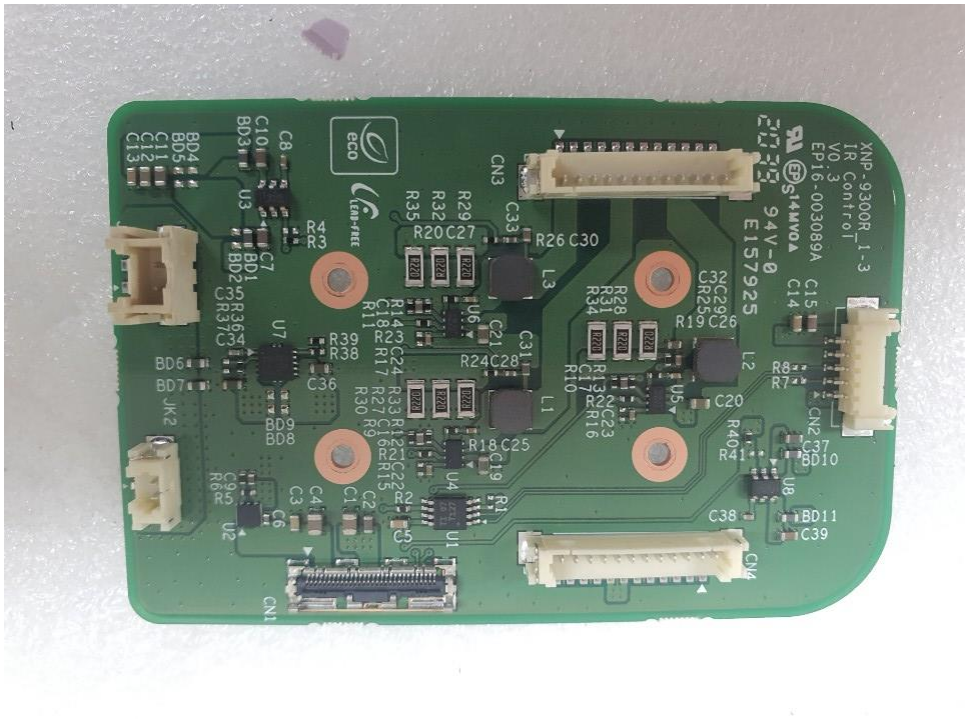
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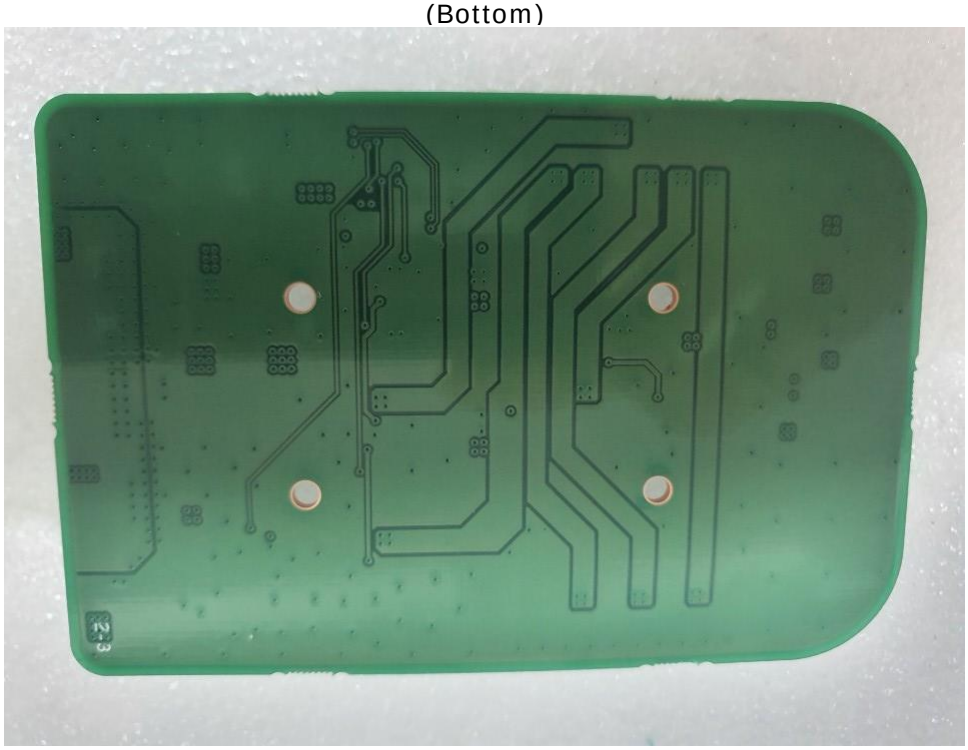
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EUT Internal View – SUB Board 7

(Top)



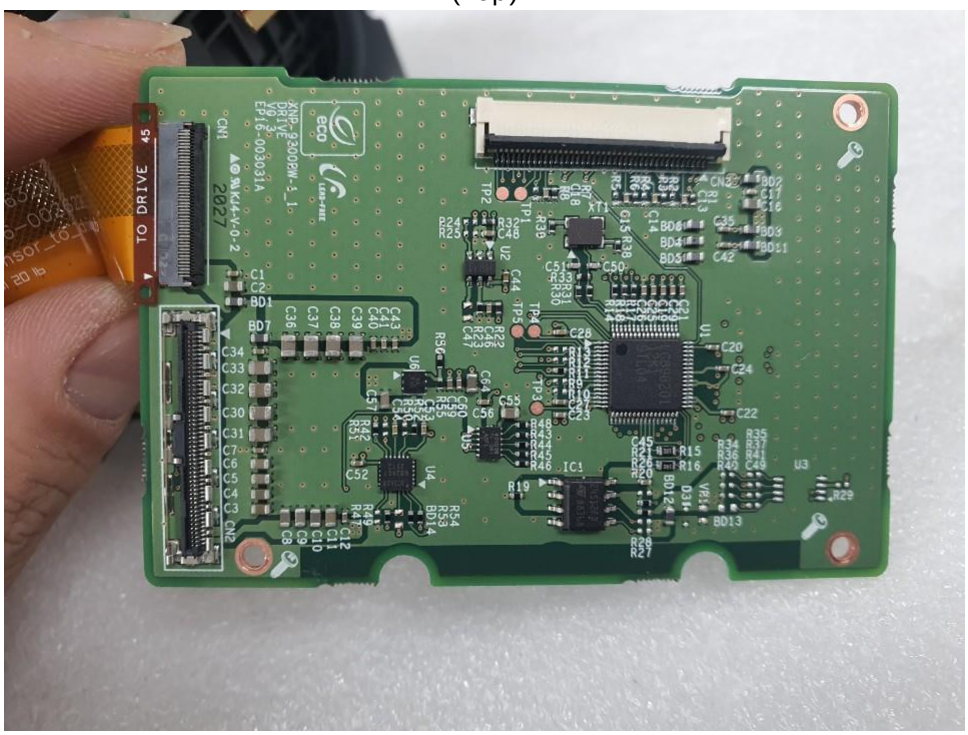
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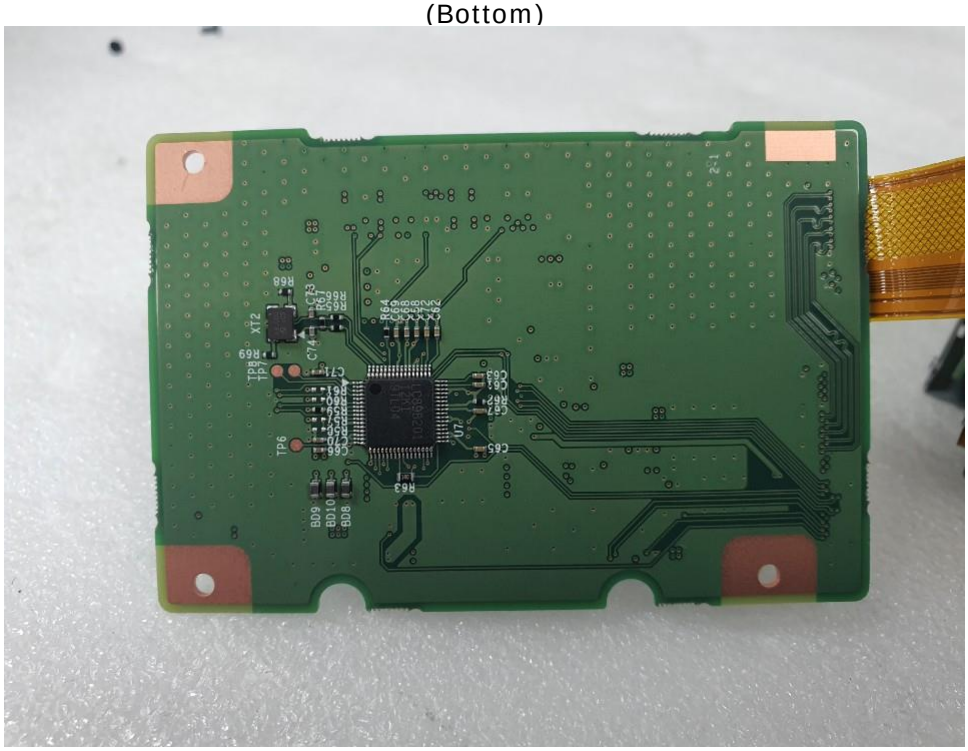
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EUT Internal View – SUB Board 8

(Top)



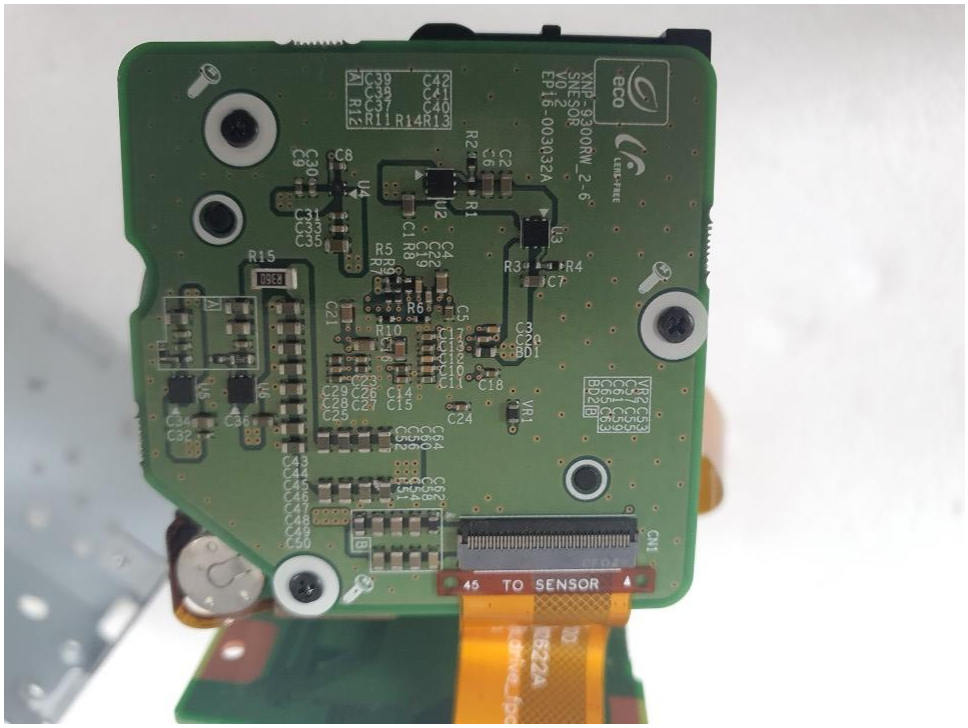
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EUT Internal View – SUB Board 9

(Top)



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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.

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