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Tel: +82-31-323-6008 Fax: +82-31-323-6010

http://www.ltalab.com

EMC TEST REPORT

Dates of Tests: December 23 - 28, 2020 Test Report S/N: LR500122101C

Test Site: LTA Co., Ltd.

Model No.

APPLICANT

XRN-6410RB2

Hanwha Techwin Co., Ltd.

Equipment Name : NVR

Manufacturer : HANWHA TECHWIN SECURITY VIETNAM CO.,LTD.

Model name : XRN-6410RB2

Model name : XRN-3210RB2

Test Device Serial No. : Identification

Rule Part(s) : AS/NZS CISPR 32:2015

CISPR 32 Ed2.0

Date of issue : January 05, 2021

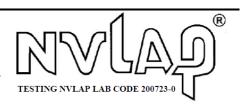
This test report is issued under the authority of:

The test was supervised by:

Young Kyu Shin, Technical Manager

Chan Bum Kim, Test Engineer

This test result only responds to the tested sample. It is not allowed to copy this report even partly without the allowance of the test laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.



Revision history

Revision	Date of issue	Test report No.	Description
0	05.01.2021	LR500122101C	Initial

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1. General information's

1-1 Test Performed

Facsimile

Company name : LTA Co., Ltd

Address 4, Songju-ro 236beon-gil, Yangji-myeon, Cheoin-gu, Yongin-si, Gyeonggi-do,

17159, Korea

+82-31-323-6010

Web site : http://www.ltalab.com
E-mail : chahn@ltalab.com
Telephone : +82-31-323-6008

Quality control in the testing laboratory is implemented as per ISO/IEC 17025 which is the "General requirements for the competents of calibration and testing laboratory".

1-2 Accredited agencies

LTA Co., Ltd. is approved to perform EMC testing by the following agencies:

Agency	Country	Accreditation No.	Validity	Reference
NVLAP	U.S.A	200723-0	2021-09-30	ECT accredited Lab.
	KOREA		-	
RRA	U.S.A	KR0049	2021-04-11	RRA accredited Lab.
KKA	CANADA		2021-06-16	KKA accredited Lab.
	VIETNAM		2021-04-12	
	JAPAN	C-14948	2023-09-10	
VCCI		T-12416	2023-09-10	WCCI maintain
VCCI		R-14483	2023-10-15	VCCI registration
		G-10847	2021-12-13	
KOLAS	KOREA	KT551	2021-08-20	KOLAS accredited Lab.

2. Information's about test item

2-1 Client / Manufacturer

Company name : Hanwha Techwin Co., Ltd.

Address : 6, Pangyo-ro 319 Beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, 13488, KOREA

Telephone /Facsimile : +82-70-7147-8753(http://hanhwa-security.com)

Factory #1

Company name : HANWHA TECHWIN SECURITY VIETNAM CO.,LTD.

Address : Lot O-2, Que Vo Industrial Zone extended area ,Nam Son commune,

Bac Ninh city, Bac Ninh province, Vietnam

Factory #2

Company name : D-TECH CO.,LTD.

Address : 173-25, Saneop-ro, Gwonseon-gu, Suwon-si, Gyeonggi-do, Korea

(Suwon Industrial Complex)

2-2 Equipment Under Test (EUT)

Class : A

Category : NVR

Model name : XRN-6410RB2

Additional Model name : XRN-3210RB2

Additional Model is different number of channels.

Serial number : Identification

Date of receipt : December 21, 2020

EUT condition : Pre-production, not damaged

Interface Ports : AC IN, LAN #1 ~ #3, USB #1 ~ #4, HDMI #1 ~ #2, Audio OUT, Alarm IN / OUT

Power rating : AC 240 V, 50 Hz

2-3 Modification

-NONE

2-4 Test conditions

Temp. / Humid. / Pressure : (21) °C / (35 - 38) % R.H.

Tested Model : XRN-6410RB2

Test mode : Operating mode

Test Voltage : AC 240 V, 50 Hz

2-5 List of EUT and ACCESSORY

EUT					
Equipment Name	Model Name	Serial No.	Manufacturer	Remarks	
NVR	XRN-6410RB2	N/A	HANWHA TECHWIN SECURITY VIETNAM CO.,LTD. D-TECH CO.,LTD.	-	
Mouse	MOKJUO	N/A	N/A	-	
ACCESSORY					
Equipment Name	Model Name	Serial No.	Manufacturer	Remarks	
Keyboard	KUB-1407	N/A	SHANGHAI RONGTENG ELECTRON TECHNOLOGICAL CO.,LTD	-	
Network Camera	QNV-6083R	N/A	Hanwha Techwin Co., Ltd.	-	
PoE Injector	SFC501G	N/A	N/A	-	
Monitor	24BK550Y	N/A	LG Electronics Nanjing New Technology Co.,Ltd	2 EA	
Smart Phone	G4	N/A	LG	-	
Notebook	P56	NKW650RB 0006B02606	HANSUNG	-	
HUB	SW1600-mini	N/A	IpTIME	-	
Earphone	N/A	N/A	N/A	-	
Alarm	N/A	N/A	N/A	-	
USB Memory Stick	N/A	N/A	N/A	2 EA	
HDD #1	WD40PURX-64NN96Y0	N/A	Western Digital	3 EA	
HDD #2	WD20PURX-64P6ZY0	N/A	Western Digital	-	

2-6 Cable List

Cable List						
I	From	То		Length	Shielding	
Type	I/O Port	Туре	I/O Port	(m)	Cable	backshell
	AC IN	AC Power Source	3 Pin AC Line	1.6	NO	Plastic
	LAN #1	PoE Injector	LAN	3.0	NO	Plastic
	LAN #2	HUB	LAN	3.0	NO	Plastic
	LAN #3	HUB	LAN	3.0	NO	Plastic
	USB #1	Mouse	USB	1.5	NO	Plastic
	USB #2	Keyboard	USB	1.5	NO	Plastic
	USB #3	USB Memory Stick #1	USB	-	-	-
	USB #4	USB Memory Stick #2	USB	-	-	-
EUT	HDMI #1	Monitor #1	HDMI	1.4	NO	Plastic
	HDMI #2	Monitor #2	HDMI	1.4	NO	Plastic
	Audio OUT	Earphone	-	1.5	NO	Plastic
	Alarm IN / OUT	Alarm	Alarm IN / OUT	1.0	NO	Plastic
	HDD Slot #1	HDD #1	-	-	-	-
	HDD Slot #2	HDD #1	-	-	-	-
	HDD Slot #3	HDD #1	-	-	-	-
	HDD Slot #4	HDD #2	-	-	-	-
D.E.L.S.	LAN	Network Camera	LAN	3.0	NO	Plastic
PoE Injector	AC IN	AC Power Source	3 Pin AC Line	1.2	NO	Plastic
HUB	LAN	Notebook	LAN	1.0	NO	Plastic
Network Camera	Audio IN	Smart Phone	-	1.4	NO	Plastic
Notebook	DC IN	Battery	DC OUT	-	-	-
HUB	AC IN	AC Power Source	3 Pin AC Line	1.6	NO	Plastic
Monitor#1	AC IN	AC Power Source	3 Pin AC Line	1.5	NO	Plastic
Monitor#2	AC IN	AC Power Source	3 Pin AC Line	1.5	NO	Plastic

3. Test Report

3.1 Summary of tests

Parameter	Applied Standard	Status			
I. Emission					
Conducted Emissions	AS/NZS CISPR32:2015	С			
Radiated Emissions	AS/NZS CISPR32:2015	С			

<u>Note 1</u>: C=Complies NC=Not Complies NT=Not Tested NA=Not Applicable

 $[\]underline{\textit{Note 2}}$: The data in this test report are traceable to the national or international standards.

4. Test Items

4-1 Conducted Emissions

Definition:

The test assesses the ability of the EUT to limit its internal noise from being present on the AC mains Power In/Output/Telecommunication ports.

We were performed the test according to LTA procedure LTA-QI-04.

Test method : AS/NZS CISPR32:2015

Measurement Frequency range : 150 kHz - 30 MHz

Measurement RBW : 9 kHz

Test mode : Operating mode

Result : Complies

Measurement Data:

- Refer to the Next page (Maximum emission configuration)

A sample calculation:

COR. F (correction factor)= LISN Insertion loss + Cable loss + Pulse Limiter Factor

Emission Level= meter reading + COR.F

Limits for conducted disturbance at the mains ports of class A ITE

Frequency Range	Quasi-peak	Average
(0.15 - 0.5) MHz	79 dBμV	66 dBμV
(0.5 – 30) MHz	73 dBμV	60 dBμV

Note: The limits will decrease with the frequency logarithmically within 0.15 MHz to 0.5 MHz

Limits for conducted disturbance at the mains ports of class B ITE

Frequency Range	Quasi-peak	Average
(0.15 – 0.5) MHz	(66 – 56) dBµV	(56 - 46) dBµV
(0.5 – 5) MHz	56 dBμV	46 dBμV
(5 – 30) MHz	60 dBμV	50 dBμV

Note: The limits will decrease with the frequency logarithmically within 0.15 MHz to 0.5 MHz

Limits of conducted common mode (asymmetric mode) disturbance at telecommunication ports in the frequency range 0.15 MHz to 30 MHz for class A equipment

Engguenay Dongo	Voltage limits		Current limits	
Frequency Range	Quasi-peak	Average	Quasi-peak	Average
(0.15 - 0.5) MHz	(97 – 87) dBµV	$(84-74)\ dB\mu V$	$(53-43) dB\mu V$	$(40-30) \text{ dB}\mu\text{V}$
(0.5 – 30) MHz	87 dBμV	74 dBμV	43 dBμV	30 dBμV

Note 1: The limits decrease linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

Note 2: The current and voltage disturbance limits are derived for use with an impedance stabilization network (ISN) which presents a common mode (asymmetric mode) impedance of 150 Ω to the telecommunication port under test (conversion factor is $20 \log_{10} 150/I = 44 dB$)

Limits of conducted common mode (asymmetric mode) disturbance at telecommunication ports in the frequency range 0.15 MHz to 30 MHz for class B equipment

Enggyan ay Dan ay	Voltage limits		Current limits	
Frequency Range	Quasi-peak	Average	Quasi-peak	Average
(0.15 - 0.5) MHz	$(84-74) dB\mu V$	(74 – 64) dBµV	$(40-30) dB\mu V$	$(30-20) dB\mu V$
(0.5 – 30) MHz	74 dBμV	64 dBμV	30 dBμV	20 dBμV

Note 1: The limits decrease linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

Note 2: The current and voltage disturbance limits are derived for use with an impedance stabilization network (ISN) which presents a common mode (asymmetric mode) impedance of 150 Ω to the telecommunication port under test (conversion factor is $20 \log_{10} 150/I = 44 dB$)

Conducted Emissions (LINE)



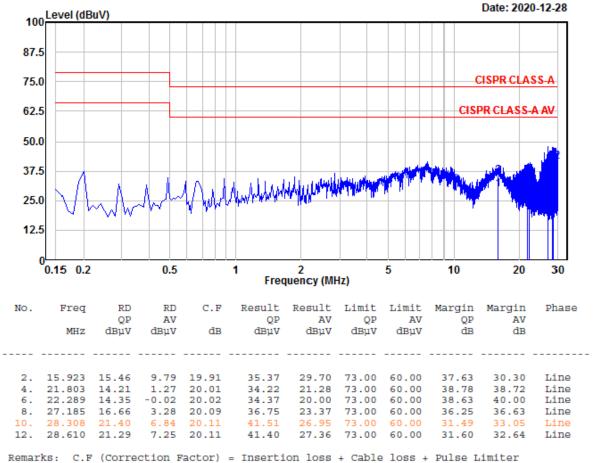
4, Songjuro 236 Beon-gil, Yangji-myeon Cheoin-gu, Youngin-si, Gyeonggi-do 449-822 Korea

Tel:+82-31-3236008,9 Fax:+82-31-3236010

EUT /Model No. : XRN-6410RB2 Phase : Line

Test Mode : Operating mode Test Power : 240 V / 50 Hz

Temp./ Humi. : 21 'C / 38 % R.H. Test Engineer : KIM C B



Conducted Emissions (NEUTRAL)



4, Songjuro 236 Beon-gil, Yangji-myeon Cheoin-gu, Youngin-si, Gyeonggi-do 449-822 Korea

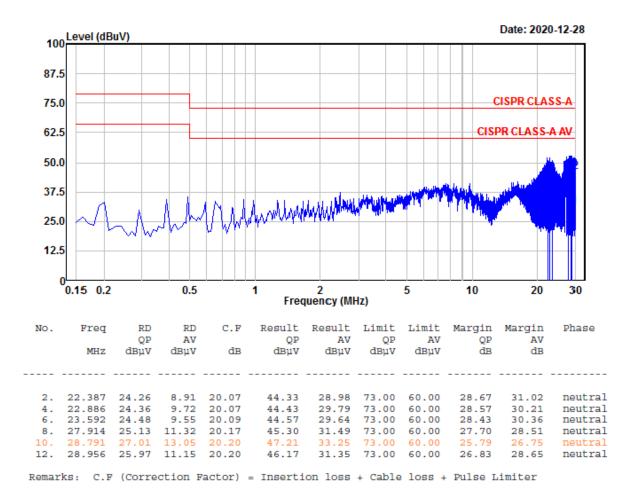
Tel:+82-31-3236008,9 Fax:+82-31-3236010

EUT /Model No.: XRN-6410RB2 Phase
Test Mode : Operating mode Test Po

Temp./ Humi. : 21 'C / 38 % R.H.

Phase : Neutral

Test Power : 240 V / 50 Hz



Conducted Emissions (TEL_10 M) / Operating mode LAN #1



4, Songjuro 236 Beon-gil, Yangji-myeon Cheoin-gu, Youngin-si, Gyeonggi-do 449-822 Korea

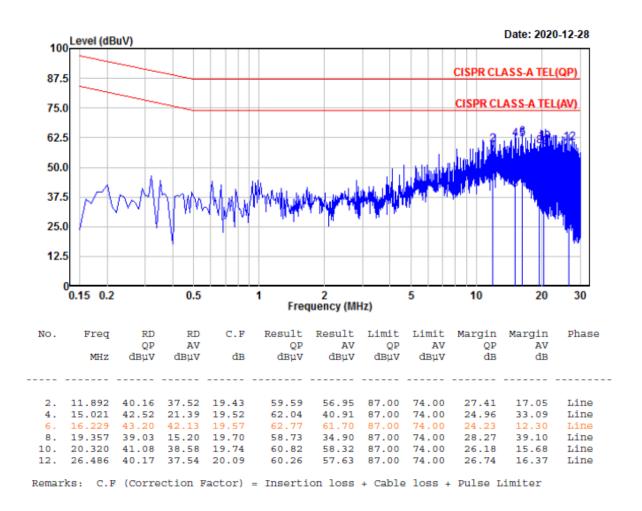
Tel:+82-31-3236008,9 Fax:+82-31-3236010

EUT /Model No.: XRN-6410RB2 P.
Test Mode : Operating mode LAN#1 T.

Temp./ Humi. : 21 'C / 38 % R.H.

Phase : TEL_10M

Test Power : 240 V / 50 Hz



Conducted Emissions (TEL_100 M) / Operating mode LAN #1



4, Songjuro 236 Beon-gil, Yangji-myeon Cheoin-gu, Youngin-si, Gyeonggi-do 449-822 Korea

Tel:+82-31-3236008,9 Fax:+82-31-3236010

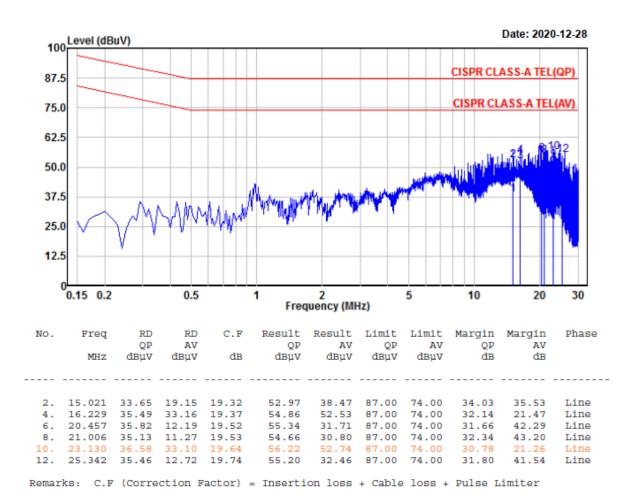
EUT /Model No. : XRN-6410RB2

Test Mode : Operating mode LAN#1

Temp./ Humi. : 21 'C / 38 % R.H.

Phase : TEL_100M

Test Power : 240 V / 50 Hz



Conducted Emissions (TEL_1000 M) / Operating mode LAN #1



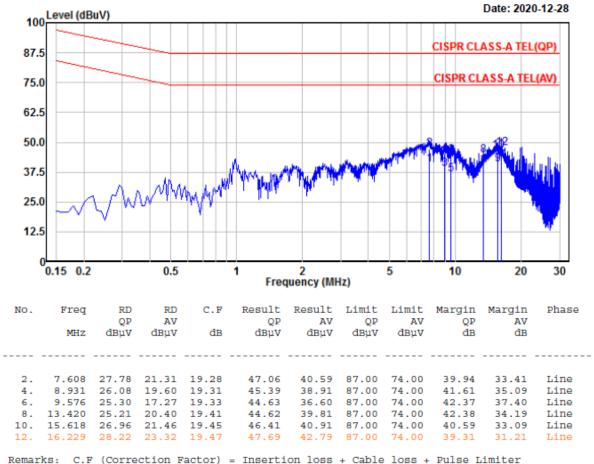
4, Songjuro 236 Beon-gil, Yangji-myeon Cheoin-gu, Youngin-si, Gyeonggi-do 449-822 Korea

Tel:+82-31-3236008,9 Fax:+82-31-3236010

EUT /Model No. : XRN-6410RB2 Phase : TEL_1000M

Test Mode : Operating mode LAN#1 Test Power : 240 V / 50 Hz

Temp./ Humi. : 21 'C / 38 % R.H. Test Engineer : KIM C B



Conducted Emissions (TEL_10 M) / Operating mode LAN #2



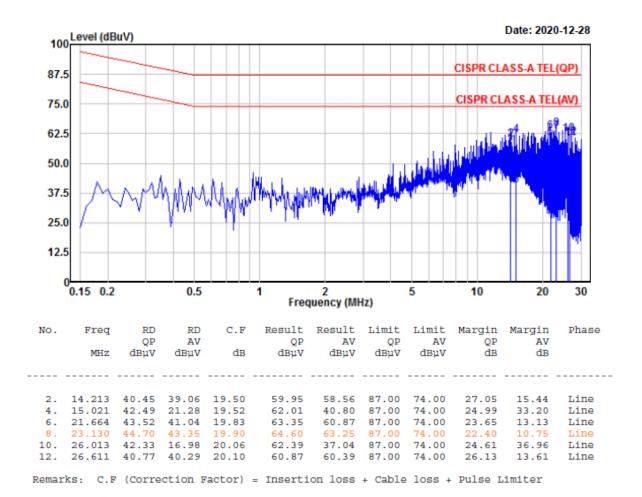
4, Songjuro 236 Beon-gil, Yangji-myeon Cheoin-gu, Youngin-si, Gyeonggi-do 449-822 Korea

Tel:+82-31-3236008,9 Fax:+82-31-3236010

EUT /Model No. : XRN-6410RB2 Phase : TEL_10M

Test Mode : Operating mode LAN#2 Test Power : 240 V / 50 Hz

Temp./ Humi. : 21 'C / 38 % R.H. Test Engineer : KIM C B



Conducted Emissions (TEL_100 M) / Operating mode LAN #2



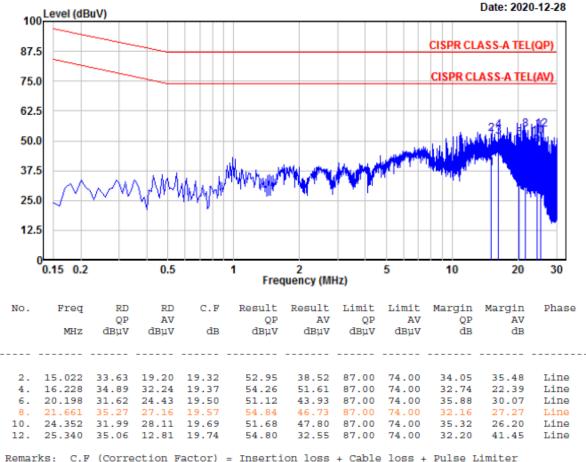
4, Songjuro 236 Beon-gil, Yangji-myeon Cheoin-gu, Youngin-si, Gyeonggi-do 449-822 Korea

Tel:+82-31-3236008,9 Fax:+82-31-3236010

EUT /Model No. : XRN-6410RB2 Phase : TEL_100M

Test Mode : Operating mode LAN#2 Test Power : 240 V / 50 Hz

Temp./ Humi. : 21 'C / 38 % R.H. Test Engineer : KIM C B



Remarks: C.F (Correction Factor) = Insertion loss + Cable loss + Pulse Limited

Conducted Emissions (TEL_1000 M) / Operating mode LAN #2



4, Songjuro 236 Beon-gil, Yangji-myeon Cheoin-gu, Youngin-si, Gyeonggi-do 449-822 Korea

Tel:+82-31-3236008,9 Fax:+82-31-3236010

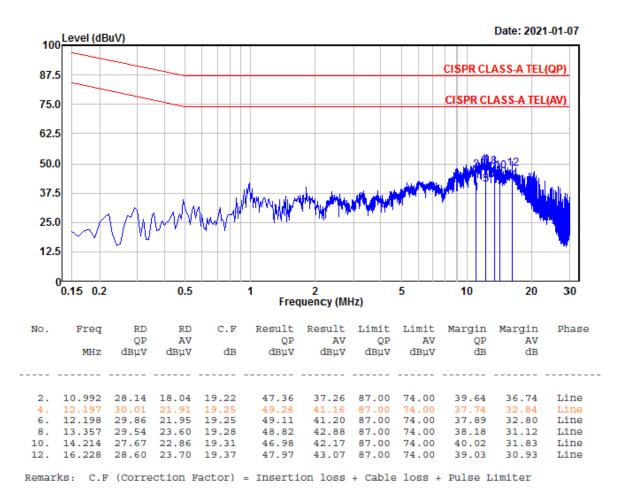
EUT /Model No. : XRN-6410RB2

Test Mode : Operating mode LAN#2

Temp./ Humi. : 21 'C / 38 % R.H.

Phase : TEL_1000M

Test Power : 240 V / 50 Hz



Conducted Emissions (TEL_10 M) / Operating mode LAN #3



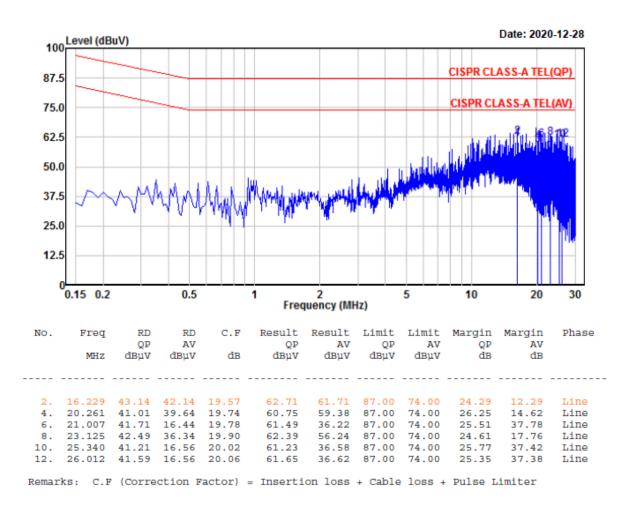
4, Songjuro 236 Beon-gil, Yangji-myeon Cheoin-gu, Youngin-si, Gyeonggi-do 449-822 Korea

Tel:+82-31-3236008,9 Fax:+82-31-3236010

EUT /Model No. : XRN-6410RB2 Test Mode : Operating mode LAN#3

: 21 'C / 38 % R.H. Temp./ Humi.

Phase : TEL_10M : 240 V / 50 Hz Test Power Test Engineer : KIM C B



Conducted Emissions (TEL_100 M) / Operating mode LAN #3



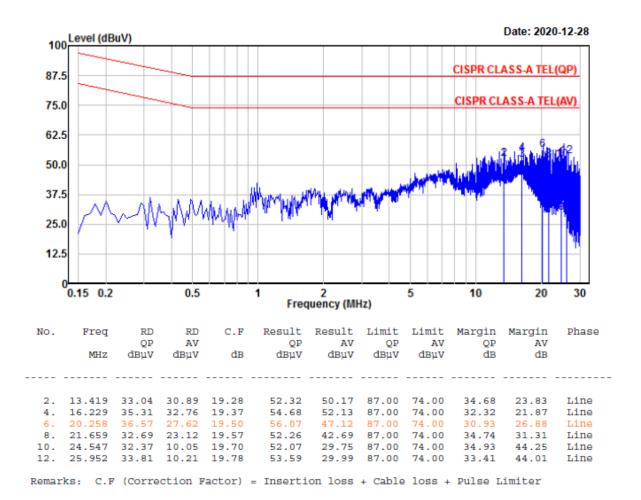
4, Songjuro 236 Beon-gil, Yangji-myeon Cheoin-gu, Youngin-si, Gyeonggi-do 449-822 Korea

Tel:+82-31-3236008,9 Fax:+82-31-3236010

EUT /Model No. : XRN-6410RB2 Phase : TEL_100M

Test Mode : Operating mode LAN#3 Test Power : 240 V / 50 Hz

Temp./ Humi. : 21 'C / 38 % R.H. Test Engineer : KIM C B



Conducted Emissions (TEL_1000 M) / Operating mode LAN #3



4, Songjuro 236 Beon-gil, Yangji-myeon Cheoin-gu, Youngin-si, Gyeonggi-do 449-822 Korea

Tel:+82-31-3236008,9 Fax:+82-31-3236010

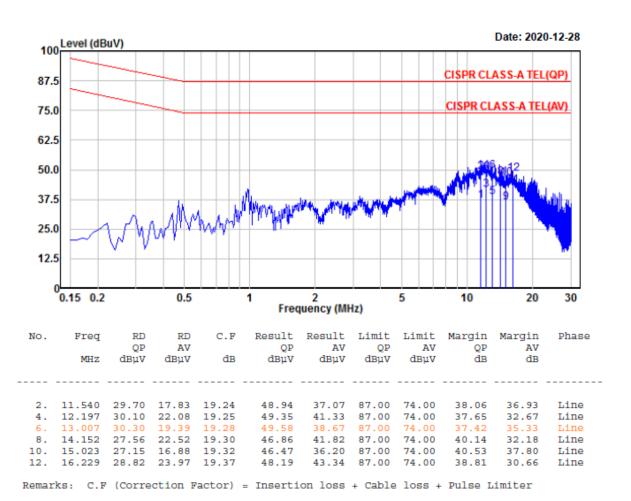
EUT /Model No. : XRN-6410RB2 Phase

Test Mode : Operating mode LAN#3

Temp./ Humi. : 21 'C / 38 % R.H.

Phase : TEL_1000M

Test Power : 240 V / 50 Hz



4-2 Radiated Emissions

Definition:

The test assesses the ability of ancillary equipment to limit their internal noise from being radiated from the enclosure. We were performed the test according to LTA procedure LTA-QI-04.

Test method : AS/NZS CISPR32:2013

Measuring Distance : 10 m below 1 GHz / 3 m above 1 GHz

Measurement Frequency range : 30 MHz – 6 000 MHz

Measurement RBW : 120 kHz @ 10 m / 1 MHz @ 3 m

Test mode : Operating mode

Result : Complies

Measurement Data:

- Refer to the Next page (Maximum emission configuration)

- The highest internal source of an EUT is higher than 108 MHz, the measurement shall only be made up to 6 GHz. (The highest internal source of an EUT : higher than 108 MHz)

A sample calculation:

COR. F (correction factor)= Antenna factor + Cable loss- Amp.gain- Distance correction Emission Level= meter reading + COR.F

Limit of 10 m below 1 GHz

CLASS A

Frequency Range	Quasi-peak		
(30 – 230) MHz	$40~\mathrm{dB}\mu\mathrm{V/m}$		
(230 – 1 000) MHz	$47~\mathrm{dB}\mu\mathrm{V/m}$		
CLASS B			
Frequency Range	Quasi-peak		
(30 – 230) MHz	$30~dB\mu V/m$		
(230 – 1 000) MHz	$37~dB\mu V/m$		

Limit of 3m above 1 GHz

CLASS A

Emaguan ay Dan aa	Average Limit @ 3m	Peak limit @ 3m	
Frequency Range	$(dB\mu V/m)$	$(dB\mu V/m)$	
(1 000 – 3 000) MHz	56	76	
(3 000 – 6 000) MHz	60	80	

NOTE: The lower limit applies at the transition frequency.

CLASS B

Engage on Danas	Average Limit @ 3m	Peak limit @ 3m		
Frequency Range	$(dB\mu V/m)$	$(dB\mu V/m)$		
(1 000 – 3 000) MHz	50	70		
(3 000 – 6 000) MHz	54	74		

NOTE: The lower limit applies at the transition frequency.

Radiated Emissions (Below 1 GHz) / V



4, Songjuro 236Beon-gil, yanggi-myeon,

Yongin-si, Gyeonggi-do, Korea

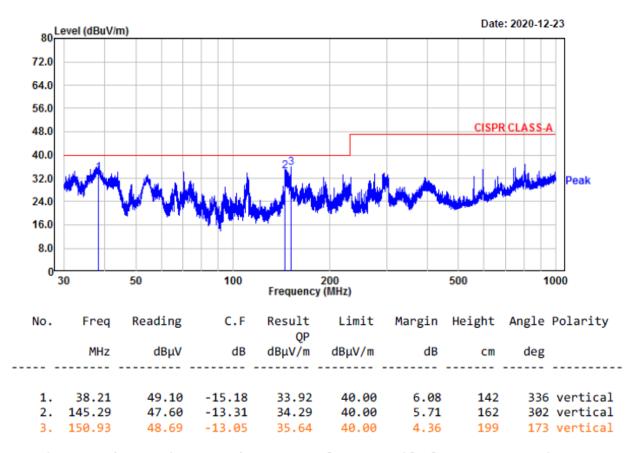
Tel: +82-31-3236008,9 Fax: +82-31-3236010 www.ltalab.com

EUT/Model No.: XRN-6410RB2 Temp/Humi: 21 'C / 35 % R.H.

Test Mode : Operating mode Tested by: KIM C B

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Power : 240 V / 50 Hz



Remarks: C.F (Correction Factor) = Antenna factor + Cable loss - Preamp gain

Radiated Emissions (Below 1 GHz) / H



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Yongin-si, Gyeonggi-do, Korea

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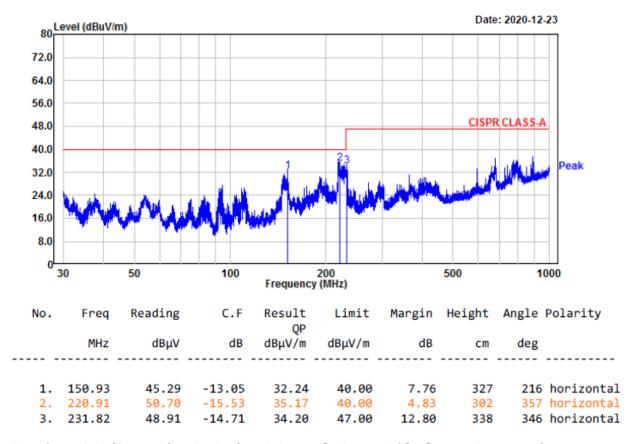
www.ltalab.com

EUT/Model No.: XRN-6410RB2 Temp/Humi: 21 'C / 35 % R.H.

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Test Mode : Operating mode Tested by: KIM C B

Power : 240 V / 50 Hz



Remarks: C.F (Correction Factor) = Antenna factor + Cable loss - Preamp gain

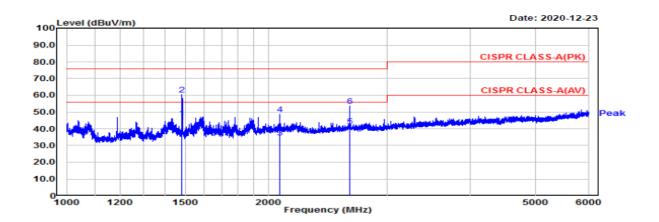
Radiated Emissions

(Above 1 GHz) / V

EUT/Model No.: XRN-6410RB2 Temp/Humi: 21 'C / 35 % R.H.

Test Mode : Operating mode Tested by: KIM C B

Power : 240 V / 50 Hz

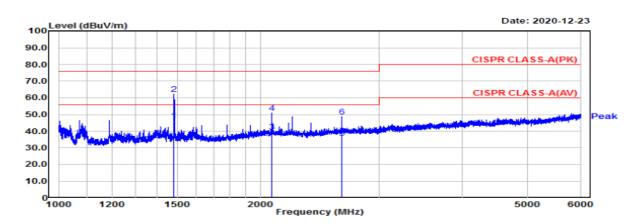


(Above 1 GHz) / H

EUT/Model No.: XRN-6410RB2 Temp/Humi: 21 'C / 35 % R.H.

Test Mode : Operating mode Tested by: KIM C B

Power : 240 V / 50 Hz



 Manufacture : HANWHA TECHWIN SECURITY VIETNAM CO.,LTD.
 Test Date
 Temp.: [v]
 Humidity: [%]
 Distance (m)

 Model : XRN-6410RB2
 2020-12-23
 21
 35
 3.8

TEST mode: Operating mode

Frequency	Reading(PK)	Reading(AV)	C.F	Result(PK)	Result(AV)	Limit(PK)	Limit(AV)	Margin(PK)	Margin(AV)	Height	Angle	Polarity
MHz	dBu∀	dBu∀	dB	dBuV/m	dBuV/m	dBuV/m	dBuV/m	dB	dB	cm	deg	H/V
1484.84	68.24	52.22	-3.77	64.47	48.45	76.00	56.00	11.53	7.55	100	61	Н
2079.10	51.17	39.66	1.93	53.10	41.59	76.00	56.00	22.90	14.41	100	357	Н
2640.35	47.21	34.18	3.60	50.81	37.78	76.00	56.00	25.19	18.22	100	143	Н
1485.17	66.06	52.37	-3.77	62.29	48.60	76.00	56.00	13.71	7.40	100	86	٧
2079.10	48.65	35.00	1.93	50.58	36,93	76.00	56.00	25.42	19.07	100	322	٧
2640.35	51.93	39.84	3.60	55,53	43.44	76.00	56.00	20.47	12.56	100	28	V

APPENDIX A

TEST EQUIPMENT AND ANCILLARIES USED FOR TESTS

To facilitate inclusion on each page of the test equipment used for related tests, each item of test equipment are identified by the Test Laboratory.

Conducted Emissions

	Item	Model Name	Manufacturer	Serial No.	Next Cal.	Interval
\boxtimes	EMI TEST Receiver	ESR	Rohde & Schwarz	101499	2021.07.02	1 year
\square	Pulse Limiter	ESH3-Z2	Rohde & Schwarz	100710	2021.03.16	1 year
	ISN	ISN T800	TESEQ	27109	2021.09.07	1 year
	ISN	ENY81-CA6	Rohde & Schwarz	101565	2021.09.07	1 year
	ISN	ISN S8	Schwarzbeck	79	2021.09.04	1 year
	CURRENT PROBE	EZ-17	Rohde & Schwarz	100508	2021.09.03	1 year
	CDN	TSCDN-C1-BNC- 75	F.C.C	07004	2021.05.08	1 year
	LISN	ESH3-Z6	Rohde & Schwarz	100378	2021.09.03	1 year
	LISN	ESH3-Z6	Rohde & Schwarz	101468	2021.09.03	1 year
\boxtimes	LISN(main)	ENV216	Rohde & Schwarz	100408	2021.09.04	1 year
	LISN(sub)	LT32C/10	AFJ	32031518210	2021.09.03	1 year
\boxtimes	TEST PROGRAM	e3_ce 20181212a (V9)	AUDIX	-	-	-

Radiated Emissions - Below 1 GHz

	Item	Model Name	Manufacturer	Serial No.	Next Cal.	Interval
\boxtimes	EMI TEST Receiver	ESU	Rohde & Schwarz	100092	2021.09.03	1 year
\boxtimes	Amplifier (25 dB)	8447D	HP	2944A07684	2021.11.10	1 year
\boxtimes	BILOG Antenna	VULB 9168	SCHWARZBECK	775	2021.03.26 (KOLAS)	2 year
	BILOG Antenna	VULB 9168	SCHWARZBECK	775	2021.11.12 (RRA)	2 year
\boxtimes	TEST PROGRAM	e3 20181212a (V9)	AUDIX	-	-	-

Radiated Emissions - Above 1 GHz

	Item	Model Name	Manufacturer	Serial No.	Next Cal.	Interval
\boxtimes	EMI TEST Receiver	ESU	Rohde & Schwarz	100092	2021.09.03	1 year
\boxtimes	Amplifier	8449B	Agilent	3008A02126	2021.03.17	1 year
	Amplifier	PAM-840A	COM-POWER	461314	2021.03.16	1 year
	HORN ANTENNA	3116B	ETS	133350	2022.05.12	2 year
	HORN ANTENNA	3116B	ETS	81109	2022.05.12	2 year
\boxtimes	HORN ANTENNA	3115	ETS	114105	2021.09.17 (KOLAS)	2 year
	HORN ANTENNA	3115	ETS	114105	2021.11.11 (RRA)	2 year
\boxtimes	TEST PROGRAM	e3 20181212a (V9)	AUDIX	-	-	-

APPENDIX B

PHOTOGRAPHS

Conducted Emissions



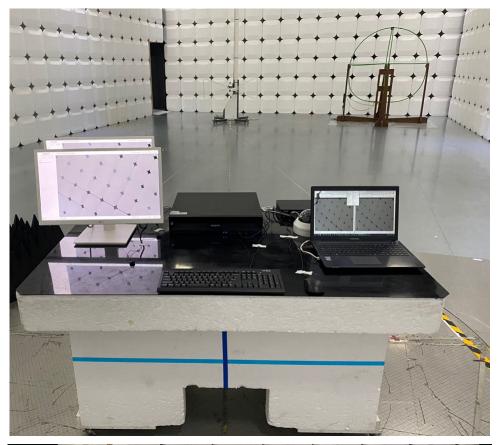


Conducted Emissions (TEL)



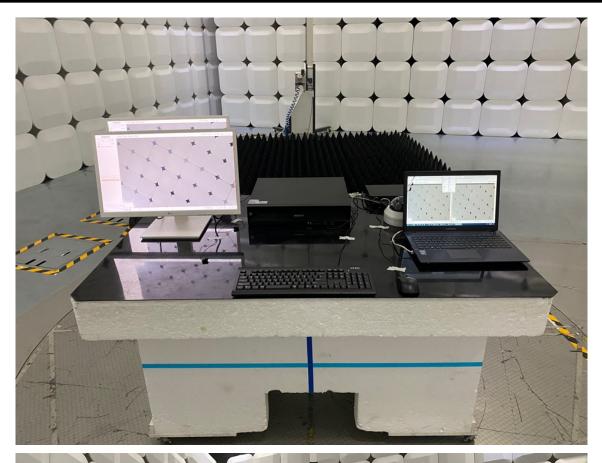


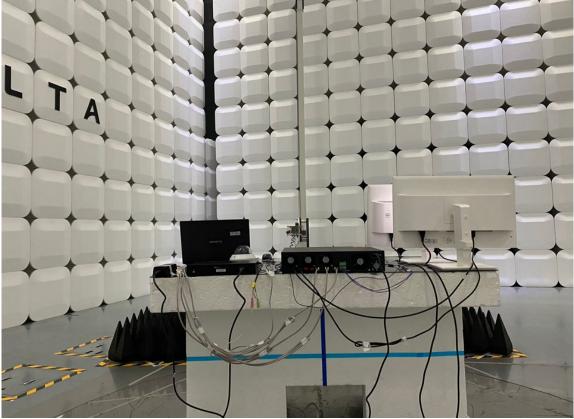
Radiated Emissions - Below 1 GHz





Radiated Emissions - Above 1 GHz





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