

Technical Compliance Statement

FCC Test Report

For the following information Ref. File No.: A1Z1908080

Product : Intelligent Processing Card
Model No. : MLU270-S4K; MLU270-S4; MLU270-V4;
MLU270-D4; MLU270-D4K; MLU270-V4K
Applicant : Cambricon Technologies Corporation Limited
Address : Room 1805, Building 1, Lane 2290, Zuchongzhi Road,
Zhangjiang Hi-Tech Park, Shanghai, China
Rules and Standards : 47 CFR FCC Part 15 Subpart B and
ANSI C63.4: 2014
(Class B Limit)

We hereby certify that the above product has been tested by us and complied with above FCC Standard limits. The test was performed according to the procedures ANSI C63.4: 2014. The equipment might be marketed in US in accordance with the rules of 47 CFR FCC Part 2 and regulations.

The test data and results are issued on the test report **ACS-F19170**.

Test Laboratory:

Audix Technology (Shenzhen) Co., Ltd.

NVLAP Lab. Code: 200372-0

FCC OET Designation: CN5022

Web Site: www.audix.com.cn



(David Jin / Manager)

Date: 2019.10.10

The statement is based on a single evaluation of one sample of the above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab logo.

FCC TEST REPORT

Intelligent Processing Card

Model No. : MLU270-S4K; MLU270-S4; MLU270-V4;
MLU270-D4; MLU270-D4K; MLU270-V4K

Prepared for: Cambricon Technologies Corporation Limited
Room 1805, Building 1, Lane 2290, Zuchongzhi Road,
Zhangjiang Hi-Tech Park, Shanghai, China

Prepared By: Audix Technology (Shenzhen) Co., Ltd.
No. 6, Kefeng Road, Science & Technology Park,
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Tel: (0755) 26639496
Fax: (0755) 26632877



TESTING

NVLAP LAB CODE 200372-0

Report Number : ACS-F19170
Date of Test : Sep.03~18, 2019
Date of Report : Oct.10,2019

The test report is based on a single evaluation of one sample of the above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab logo.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, TAF, or any agency of the U.S. Government.

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TEST REPORT

Applicant : Cambricon Technologies Corporation Limited
Product : Intelligent Processing Card
(A) Model No. : MLU270-S4K; MLU270-S4; MLU270-V4;
MLU270-D4; MLU270-D4K; MLU270-V4K
(B) Power Supply : Power by PC System
(C) Test Voltage : AC 120V/60Hz

Rules of Compliance and Applicable Standards:

47 CFR FCC Part 15 Subpart B Class B Limit
ANSI C63.4: 2014

The device described above was tested by Audix Technology (Shenzhen) Co., Ltd. to determine the maximum emission levels emanating from the device. All of the tests were requested by the applicant and the results thereof based upon the information that the applicant provided to us. We, Audix Technology (Shenzhen) Co., Ltd. assume full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT is compliance with the requirements of above described standards.

No modifications were required during testing to bring this product into compliance.

This report applies to above tested sample only and shall not be reproduced in part without written approval of Audix Technology (Shenzhen) Co., Ltd.

Date of Test : Sep.03~18, 2019 Report of date: Oct.10,2019

Prepared by : Kylin Wu Reviewed by : Bensun Chen
Kylin Wu / Assistant Bensun Chen / Assistant Manager



Approved & Authorized Signer :

Name of the Representative of the Responsible Party: _____

Signature: _____

1. SUMMARY OF STANDARDS AND RESULTS

1.1. Description of Standards and Results

The EUT has been tested according to the applicable standards as referenced below.

EMISSION			
Description of Test Item	Standard	Results	Remarks
Power Line Conducted Emission Test	47 CFR FCC Part 15 Subpart B ANSI C63.4: 2014	PASS	Minimum passing margin is 15.74dB at 16.486MHz
Radiated Emission Test (30-1000MHz)	47 CFR FCC Part 15 Subpart B ANSI C63.4: 2014	PASS	Minimum passing margin is 3.25dB at 33.022MHz
Radiated Emission Test (Above 1GHz)	47 CFR FCC Part 15 Subpart B ANSI C63.4: 2014	PASS	Minimum passing margin is 10.65dB at 4799.998 MHz

2. GENERAL INFORMATION

2.1. Descriptions of Device (EUT)

Product : Intelligent Processing Card

Model No. : MLU270-S4K; MLU270-S4; MLU270-V4;
MLU270-D4; MLU270-D4K; MLU270-V4K

	MLU270-S4	MLU270-S4K	MLU270-V4	MLU270-V4K	MLU270-D4	MLU270-D4K
IPU	C20L Support max 1.0GHz	C20L Support max 1.2GHz	C20L Support max 1.0GHz	C20L Support max 1.2GHz	C20L Support max 1.0GHz	C20L Support max 1.2GHz
Hashrate	INT8 128TOPS	INT8 160TOPS	INT8 128TOPS	INT8 160TOPS	INT8 64TOPS	INT8 64TOPS
Appearance	Sliver and Blue	Sliver and Blue	Sliver	Sliver	Sliver and Blue	Sliver and Blue

Test Model : MLU270-S4K

FCC ID : 2ARVF-MLU270-S

Max.Work Frequency : 1.2GHz

Applicant : Cambricon Technologies Corporation Limited
Room 1805, Building 1, Lane 2290, Zuchongzhi Road,
Zhangjiang Hi - Tech Park, Shanghai, China

Date of Test : Sep.03~18, 2019

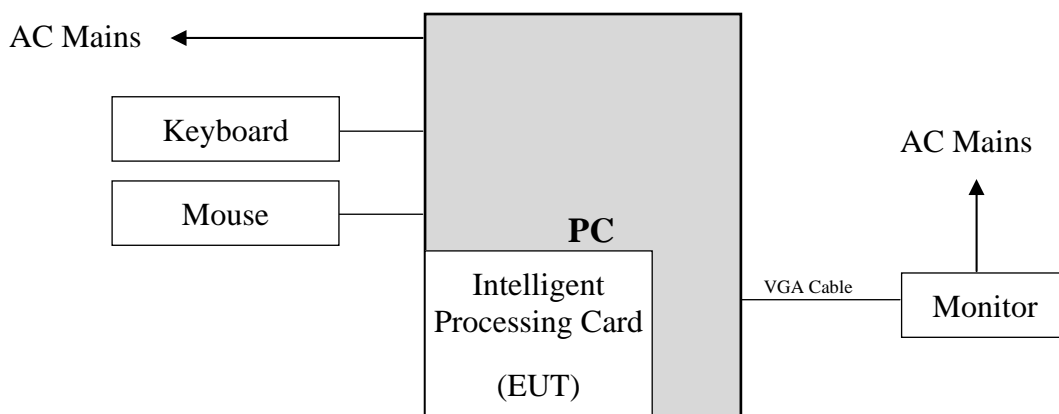
Date of Receipt : Aug.21, 2019

Sample Type : Series production

2.2. Tested Supporting System Details

No.	Description	ACS No.	Manufacturer	Model	Serial Number
1.	Sever	---	DELL	D02T	---
		Power Cord: Unshielded, Detachable, 1.8m			
2.	Monitor	---	DELL	E2216HVf	---
		Power Cord: Unshielded, Detachable, 1.8m			
3.	USB Keyboard	ACS-EMC-K11R	DELL	KB4021	CN-0N291F-71581-395-03Z3-A01
		USB Cable: Shielded, Undetachable, 2.0m			
4.	USB Mouse	ACS-EMC-M09R	DELL	MS111-T	CN-0X9DCG-7616-49B-11HA-A03
		USB Cable: Shielded, Undetachable, 1.8m			

2.3. Block Diagram of Connection Between EUT and Simulator.



(EUT: Intelligent Processing Card)

2.4. Test Facility

Site Description

- Name of Firm : Audix Technology (Shenzhen) Co., Ltd.
No. 6, Kefeng Road, Science & Technology Park,
Nanshan District, Shenzhen, Guangdong, China
- EMC Lab. : Certificated by DAkkS, Germany
Registration Number: D-PL-12151-01-00
Valid Date: Dec.07, 2021
- Certificated by FCC, USA.
: Designation No.: CN5022
Valid Date: Mar.31, 2020
- Accredited by NVLAP, USA
NVLAP Code: 200372-0
Valid Date: Mar.31, 2020
- Certificated by TAF, Taiwan
Registration No: 1418
Valid Date: Nov.08, 2020

2.5. Measurement Uncertainty (95% confidence levels, k=2)

Test Item	Uncertainty
Uncertainty for Conduction emission test in No. 1 Conduction	2.6dB (150kHz to 30MHz)
Uncertainty for Radiation Emission test in 3m chamber (Distance: 3m)	3.6dB (30~200MHz, Polarization: H)
	4.0dB (30~200MHz, Polarization: V)
	3.6dB (200M~1GHz, Polarization: H)
	3.8dB (200M~1GHz, Polarization: V)
Uncertainty for Radiation Emission test in 3m chamber (1GHz-18GHz)	4.6dB (1~6GHz, Distance: 3m)
	4.6dB (6~18GHz, Distance: 3m)
Uncertainty for test site temperature and humidity	0.6°C
	3%

Note: EMI uncertainty is evaluated by CISPR16-4-2.

The value of measurement uncertainty of EMI is less than U_{CISPR} .

The value is not calculated in the test results.

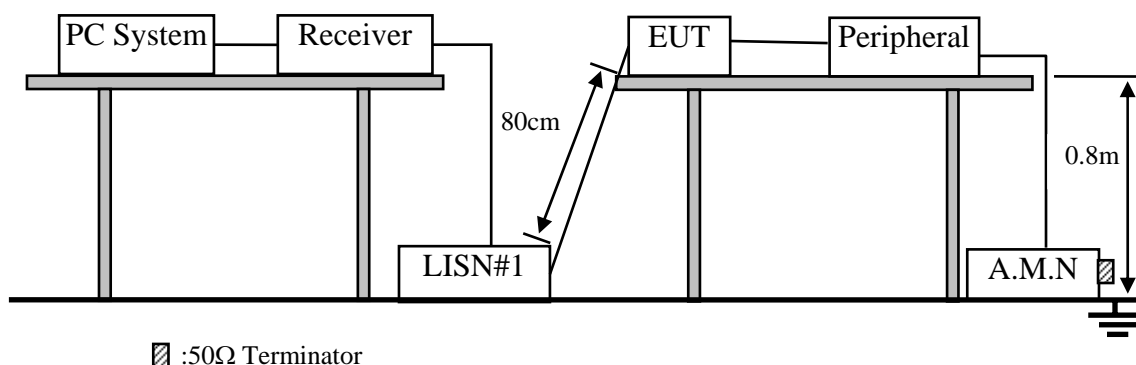
3. CONDUCTED EMISSION AT MAINS TERMINALS TEST

3.1. Test Equipments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	1# Shielding Room	AUDIX	N/A	N/A	May.17,18	3 Year
2.	EMI Test Receiver	Rohde & Schwarz	ESCI	100842	Apr.14,19	1 Year
3.	L.I.S.N.#1	Rohde & Schwarz	ENV216	102160	Dec.01,18	1 Year
4.	A.M.N	Kyoritsu	K NW-403D	8-1750-2	Apr.18,19	1 Year
5.	Terminator	Hubersuhner	50Ω	No.1	Apr.14,19	1 Year
6.	Terminator	Hubersuhner	50Ω	No.2	Apr.14,19	1 Year
7.	RF Cable	Fujikura	RG55/U	No.1	Apr.13,19	1 Year
8.	Test Software	AUDIX	e3	6.100913a	N/A	N/A

Note: N/A means Not applicable.

3.2. Block Diagram of Test Setup



3.3. Power Line Conducted Emission at Mains Terminals Limit (FCC §15.107)

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(μV)	Average Level dB(μV)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Notes: 1. * Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

3.4. EUT Configuration on Test

The following equipment is installed on conducted emission test to meet EN 55032 requirement and operating in a manner which tends to maximize its emission characteristics in a normal application.

3.4.1. Intelligent Processing Card (EUT)

Model No. : MLU270-S4K

3.4.2. Support Equipment : as tested supporting system detail, in section 2.2.

3.5. Operating Condition of EUT

3.5.1. Setup the EUT and simulator as shown as Section 3.2.

3.5.2. Turn on the power of all equipments.

3.5.3. Let the EUT worked in test mode (Running) and tested it.

3.6. Test Procedure

The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power connected to the power mains through a line impedance stabilization network (L.I.S.N. #1). This provided a 50-ohm coupling impedance for the EUT (Please refer to the block diagram of the test setup and photographs). The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (A.M.N). Both sides of power line were checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.4: 2014 on conducted Emission test.

The bandwidth of test receiver (R & S ESCI) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked. These test results of the conducted disturbance are recorded in section 3.7.

3.7. Conducted Emission at Mains Terminals Test Results

PASS. (All emissions not reported below are too low against the prescribed limits.)

EUT: Intelligent Processing Card Model No. : MLU270-S4K

The EUT with the following test modes was tested to read Q.P and Average values, all the test results are listed in next pages.

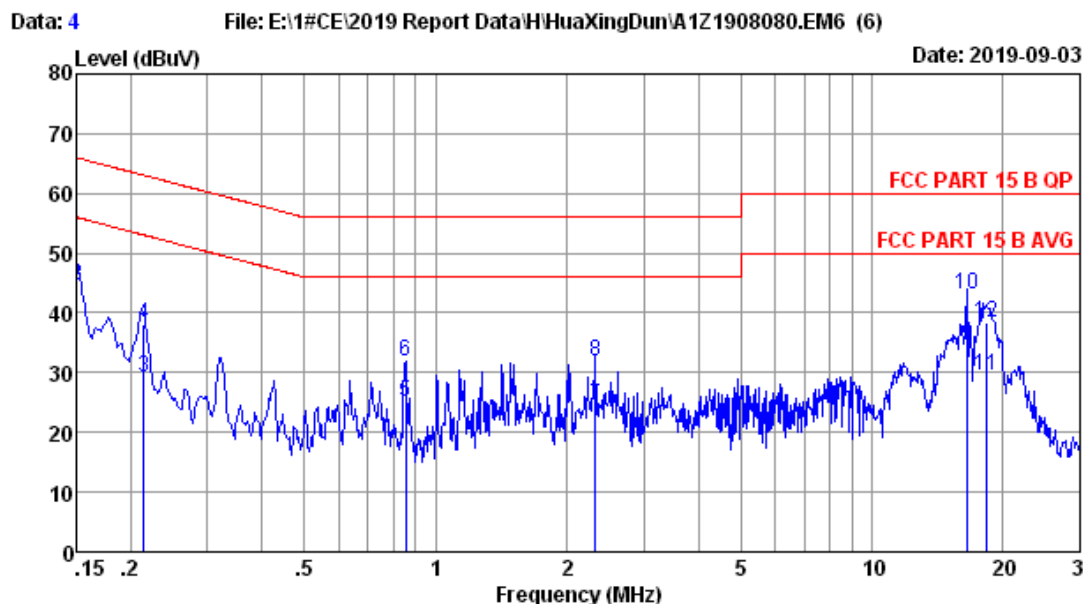
Test Date: Sep.03, 2019

Temperature: 24.1℃

Humidity: 56%

The details of test modes are as follows :

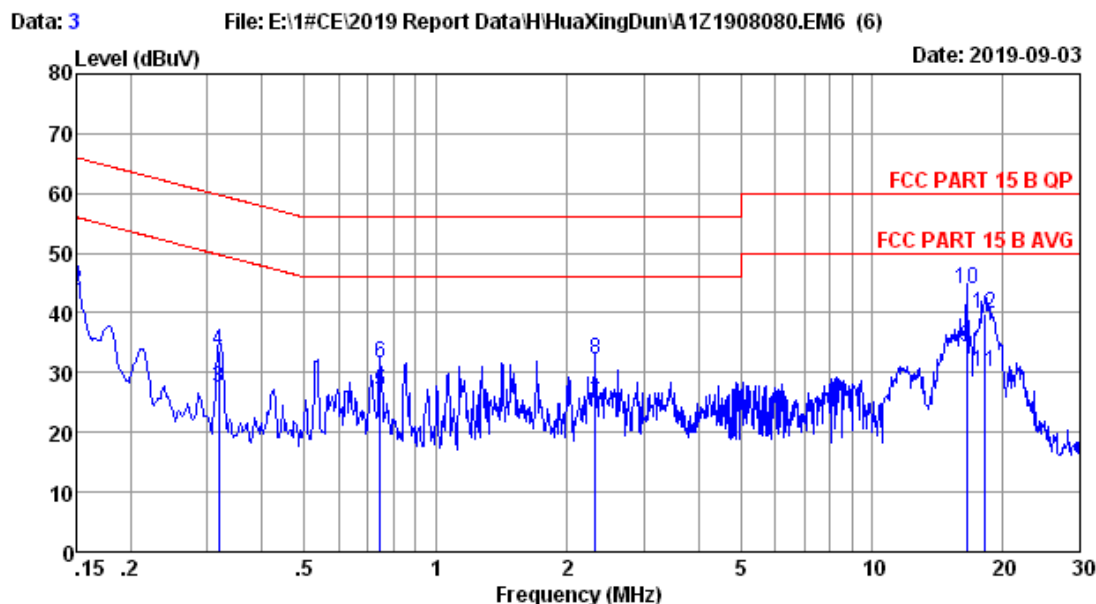
No.	Test Mode	Reference Test Data No.	
		Line	Neutral
1.	Running	#4	#3



Site no :1# Conduction Data No :4
 Dis./Lisn :2018 ENV216-L LISN phase:
 Limit :FCC PART 15 B QP
 Env./Ins. :24.1°C/56% Engineer :Kennan
 EUT :Intelligent Processing Card
 Power Rating :AC 120V/60Hz
 Test Mode :Running
 M/N:MLU270-S4K

No	Freq (MHz)	LISN Factor (dB)	Cable loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.150	9.40	0.03	23.10	32.53	56.00	23.47	Average
2	0.150	9.40	0.03	35.24	44.67	66.00	21.33	QP
3	0.214	9.40	0.03	19.90	29.33	53.05	23.72	Average
4	0.214	9.40	0.03	28.68	38.11	63.05	24.94	QP
5	0.853	9.40	0.03	15.60	25.03	46.00	20.97	Average
6	0.853	9.40	0.03	22.50	31.93	56.00	24.07	QP
7	2.321	9.50	0.04	15.10	24.64	46.00	21.36	Average
8	2.321	9.50	0.04	22.21	31.75	56.00	24.25	QP
9	16.573	9.60	0.13	24.90	34.63	50.00	15.37	Average
10	16.573	9.60	0.13	33.35	43.08	60.00	16.92	QP
11	18.232	9.60	0.14	19.90	29.64	50.00	20.36	Average
12	18.232	9.60	0.14	28.60	38.34	60.00	21.66	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
 2.If the average limit is met when using a quasi-peak detector.
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.



Site no :1# Conduction Data No :3
 Dis./Lisn :2018 ENV216-N LISN phase:
 Limit :FCC PART 15 B QP
 Env./Ins. :24.1°C/56% Engineer :Kennan
 EUT :Intelligent Processing Card
 Power Rating :AC 120V/60Hz
 Test Mode :Running
 M/N:MLU270-S4K

No	Freq (MHz)	LISN Factor (dB)	Cable loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.150	9.40	0.03	23.30	32.73	56.00	23.27	Average
2	0.150	9.40	0.03	34.32	43.75	66.00	22.25	QP
3	0.318	9.40	0.03	17.90	27.33	49.75	22.42	Average
4	0.318	9.40	0.03	24.08	33.51	59.75	26.24	QP
5	0.747	9.40	0.02	17.40	26.82	46.00	19.18	Average
6	0.747	9.40	0.02	22.19	31.61	56.00	24.39	QP
7	2.321	9.42	0.04	15.30	24.76	46.00	21.24	Average
8	2.321	9.42	0.04	22.86	32.32	56.00	23.68	QP
9	16.486	9.63	0.13	24.50	34.26	50.00	15.74	Average
10	16.486	9.63	0.13	34.23	43.99	60.00	16.01	QP
11	18.135	9.66	0.14	20.40	30.20	50.00	19.80	Average
12	18.135	9.66	0.14	30.00	39.80	60.00	20.20	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
 2.If the average limit is met when using a quasi-peak detector.
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.

4. RADIATED EMISSION MEASUREMENT

4.1. Test Equipments

4.1.1. For frequency range 30MHz~1000MHz (In 3m Anechoic Chamber)

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	3#Chamber(NSA)	AUDIX	N/A	N/A	May.10,19	1 Year
2.	3#Chamber(SE)	AUDIX	N/A	N/A	May.17,18	3 Year
3.	Signal Analyzer	Rohde & Schwarz	FSV30	104050	Apr.14,19	1 Year
4.	EMI Test Receiver	Rohde & Schwarz	ESR7	101547	Apr.14,19	1 Year
5.	Amplifier	HP	8447D	2648A04738	Apr.14,19	1 Year
6.	Bi log Antenna	TESEQ	CBL6112D	35375	Nov.21,18	1 Year
7.	NSA Cable	HUBER+SUHNER	CFD400NL-LW	No.3	Dec.01,18	1 Year
8.	Coaxial Switch	Anritsu	MP59B	6201397222	Apr.14,19	1 Year
9.	Test Software	AUDIX	e3	6.2009-5-21a(n)	N/A	N/A

Note: N/A means Not applicable.

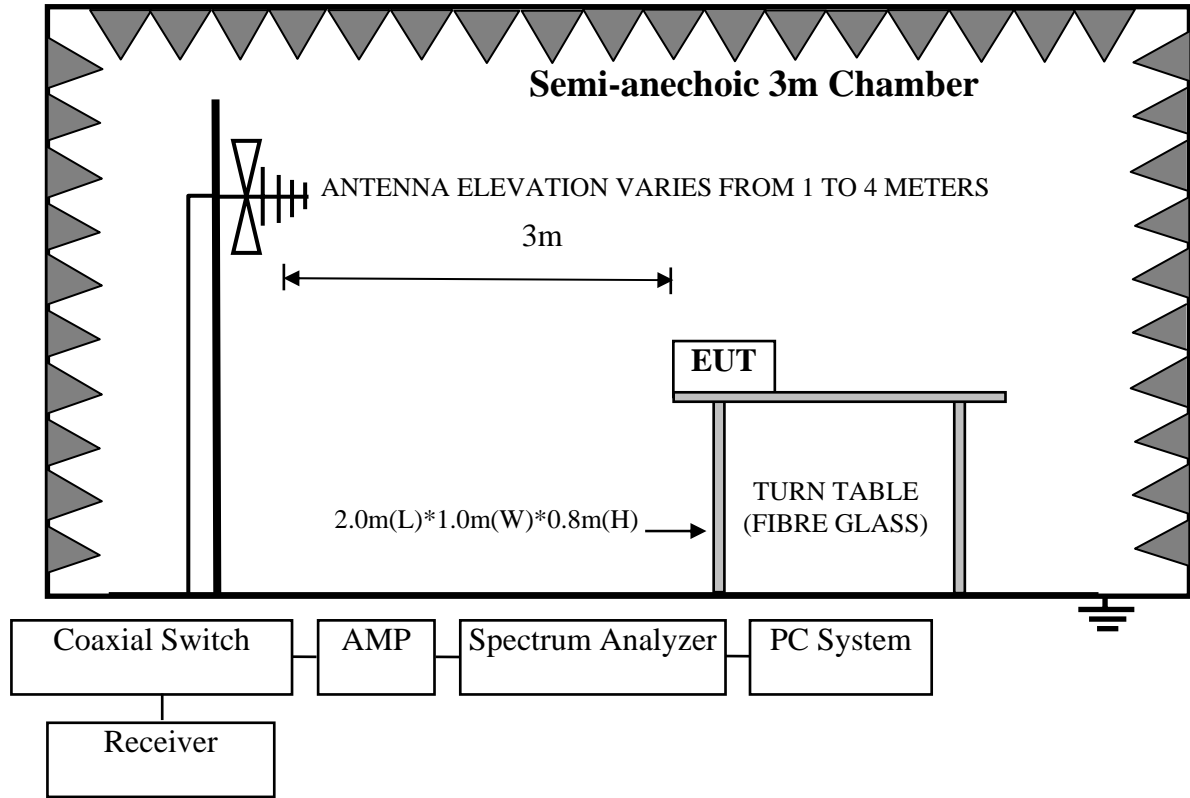
4.1.2. For frequency range 1GHz~12GHz (In 3m Anechoic Chamber)

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	3#Chamber(Svswr)	AUDIX	N/A	N/A	Apr.18,19	1 Year
2.	3#Chamber(SE)	AUDIX	N/A	N/A	May.17,18	3 Year
3.	Signal Analyzer	Rohde & Schwarz	FSV30	104050	Apr.14,19	1 Year
4.	Horn Antenna	ETS	3115	9607-4877	Dec.13,18	1 Year
5.	Amplifier	Agilent	83017A	MY53270084	Oct.14,18	1 Year
6.	RF Cable	Hubersuhner	SUCOFLEX106	505238/6	Apr.13,19	1 Year
7.	Test Software	AUDIX	e3	6.2009-5-21a(n)	N/A	N/A

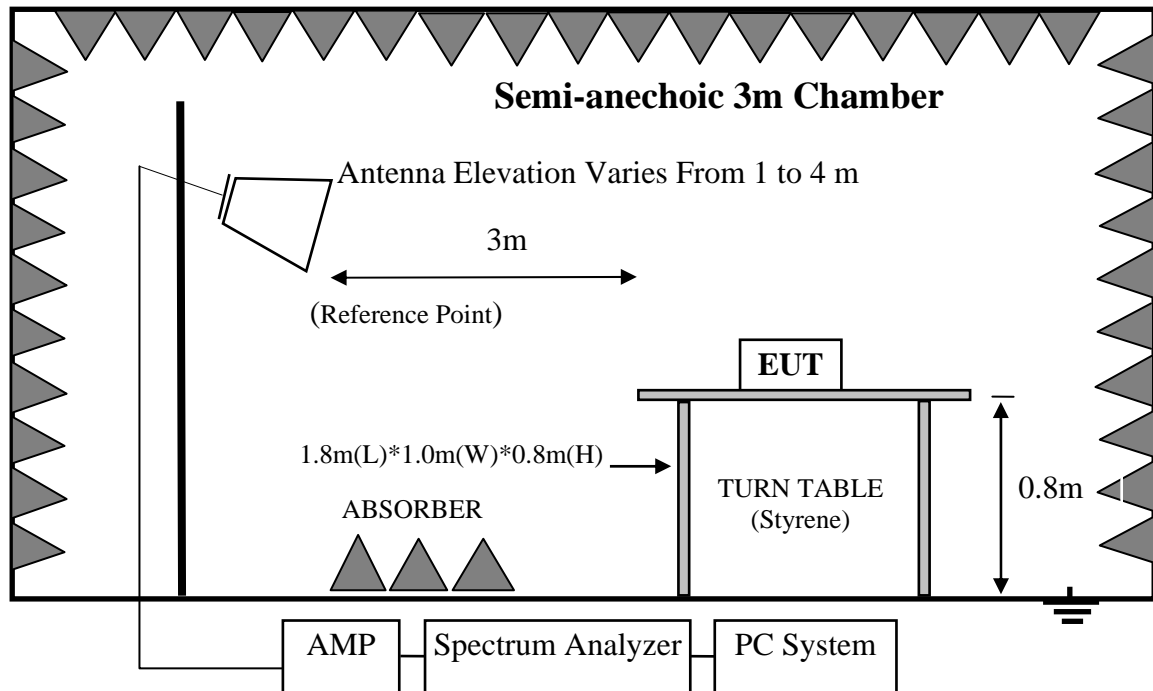
Note: N/A means Not applicable.

4.2. Block Diagram of Test Setup

4.2.1. In 3m Anechoic Chamber Test Setup Diagram for 30-1000MHz



4.2.2. In 3m Anechoic Chamber Test Setup Diagram for 1-12GHz



4.3. Radiated Emission Limit

All emanations from a Class B computing devices or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified below:

FREQUENCY (MHz)	DISTANCE (Meters)	FIELD STRENGTHS LIMITS (dBμV/m)
30 ~ 88	3	40.0
88 ~ 216	3	43.5
216~960	3	46.0
960~1000	3	54.0
Above 1000	3	74.0(Peak), 54.0(Average)

- Notes:
- (1) Emission level = Antenna Factor + Cable Loss + Reading
Emission level = Antenna Factor -Amp Factor +Cable Loss + Reading
(above 1000MHz)
 - (2) The lower limit shall apply at the transition frequencies.
 - (3) Distance refers to the distance in meters between the test antenna and the centre of the EUT.

4.4. EUT Configuration on Test

The configurations of EUT are listed in section 3.5.

4.5. Operating Condition of EUT

- 4.5.1. Setup the EUT and simulator as shown as Section 4.2.
- 4.5.2. Turn on the power of all equipments.
- 4.5.3. Let the EUT worked in test mode (Running) and tested it.

4.6. Test Procedure

The EUT was placed on a non-metallic table, 80cm above the ground plane measurement distance was 10m at a semi-anechoic chamber. An antenna was located 10m from the periphery of test system on an adjustable mast. A pre-scan was first performed in order to find prominent radiated emissions. For final emissions measurements at each frequency of interest, the EUT were rotated and the antenna height was varied between 1m and 4m in order to maximize the emission. measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipments and all the interface cables were changed according to ANSI C63.4: 2014 on Radiated Emission test.

The bandwidth setting on the test receiver (R&S ESR7) is 120 kHz.

The resolution bandwidth of the Agilent Spectrum Analyzer FSV30 was set at 1MHz. (For above 1GHz)

The frequency range from 30MHz to 1000MHz was pre-scanned with a peak detector and all final readings of measurement from Test Receiver are Quasi-Peak values.

The frequency range from 1GHz to 12GHz was checked and all final readings of measurement were with Peak and Average detector, measurement distance was 3m at semi-anechoic chamber. The EUT were rotated and the antenna height was varied between 1m and 4m in order to maximize the emission. The portion of the test volume that was obstructed by absorber placed on the floor (30cm maximum).

Finally, selected operating situations at Anechoic Chamber measurement, all the test results are listed in section 4.7.

4.7. Radiated Emission Test Results

PASS. (All emissions not reported below are too low against the prescribed limits.)

EUT: Intelligent Processing Card

Model No. : MLU270-S4K

For frequency range 30MHz~1GHz

Test Date: Sep.18, 2019

Temperature: 22.8℃

Humidity: 61%

The details of test modes are as follows:

No.	Test Mode	Reference Test Data No.	
		Horizontal	Vertical
1.	Running	#7	#8

For frequency range 1GHz~18GHz

Test Date: Sep.03, 2019

Temperature: 22.8℃

Humidity: 61%

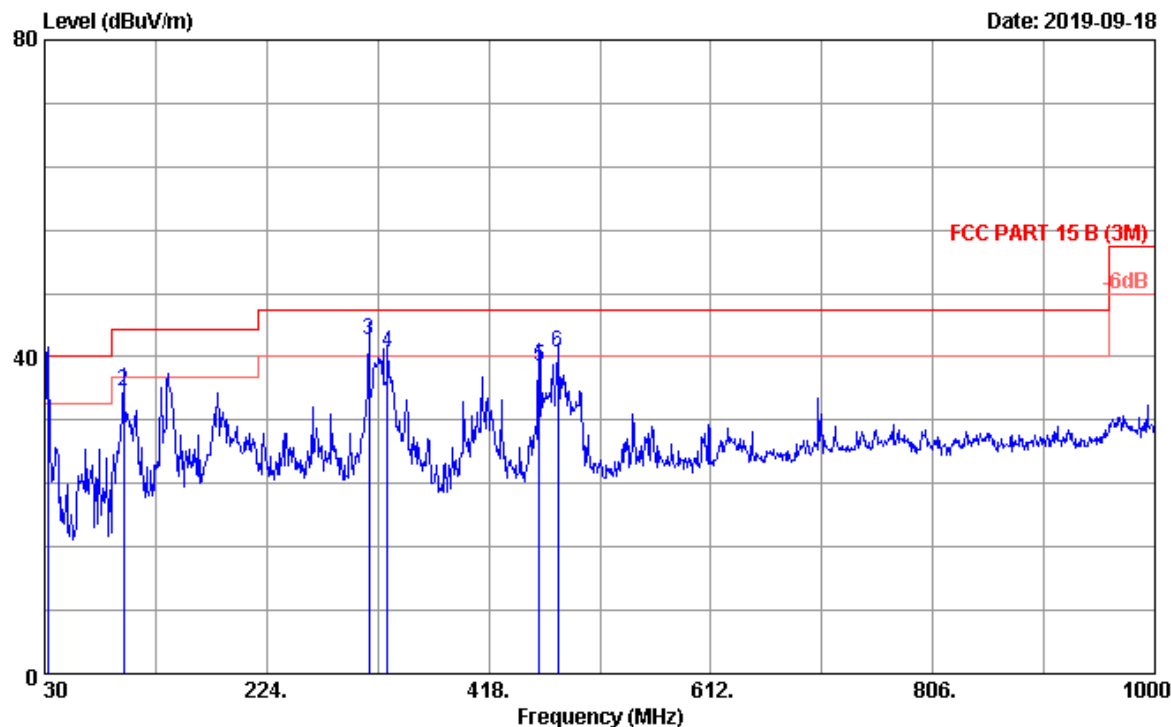
The details of test modes are as follows :

No.	Test Mode	Reference Test Data No.	
		Horizontal	Vertical
1.	Running	#6	#5

Data: 7

File: E:\2019 Report Data\H\HuaXingDun\A1Z1908080.EM6 (12)

Date: 2019-09-18



Site no. : 3m Chamber Data no. : 7
 Dis. / Ant. : 3m 2018 CBL6112D-35375 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B (3M)
 Env. / Ins. : 22.8°C/61% Engineer : Garry
 EUT : Intelligent Processing Card
 Power rating : AC 120V/60Hz
 Test Mode : Running
 M/N:MLU270-S4K

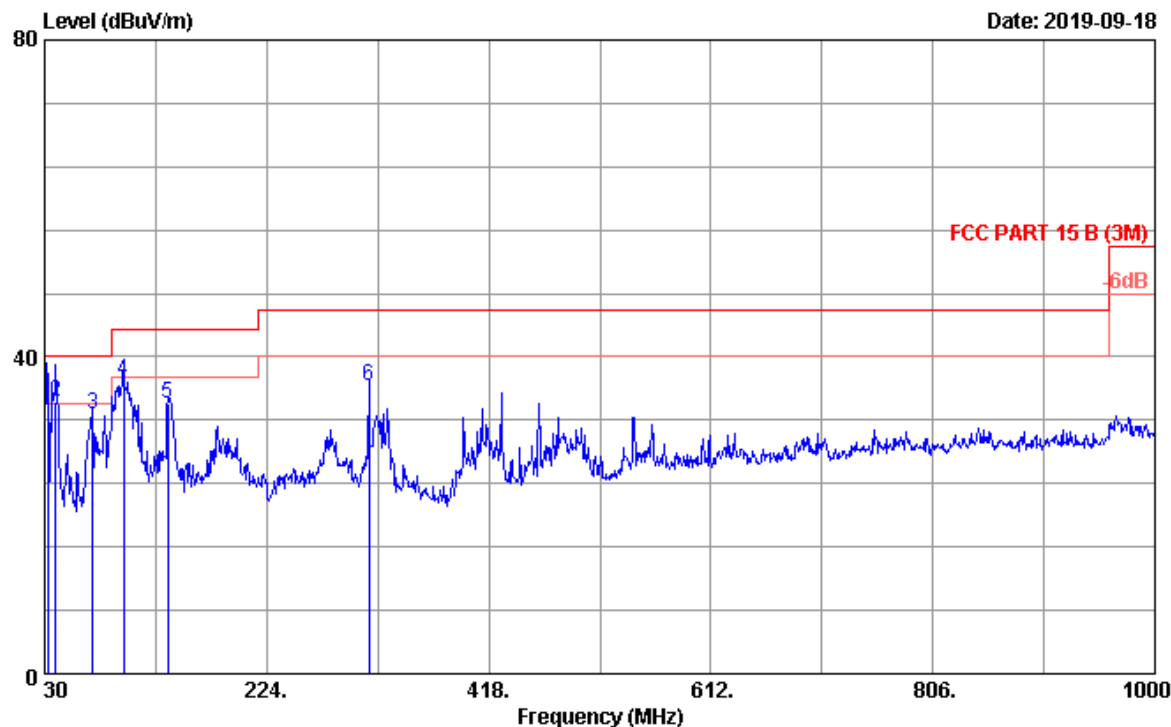
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	33.022	22.90	0.55	13.30	36.75	40.00	3.25	QP*
2	98.870	17.10	0.98	17.50	35.58	43.50	7.92	QP
3	313.450	19.60	1.79	20.80	42.19	46.00	3.81	QP
4	329.730	20.00	1.83	18.64	40.47	46.00	5.53	QP
5	461.969	23.28	2.20	13.20	38.68	46.00	7.32	QP
6	478.140	23.34	2.25	14.98	40.57	46.00	5.43	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.
 3. The worst emission was detected at 33.022MHz with corrected signal level of 36.75dBμV/m. (Antenna height 2.1m; Turntable degree 144°).
 4. 0° was the table front facing the antenna. Degree is calculated from 0°clockwise facing the antenna

Data: 8

File: E:\2019 Report Data\H\HuaXingDun\A1Z1908080.EM6 (12)

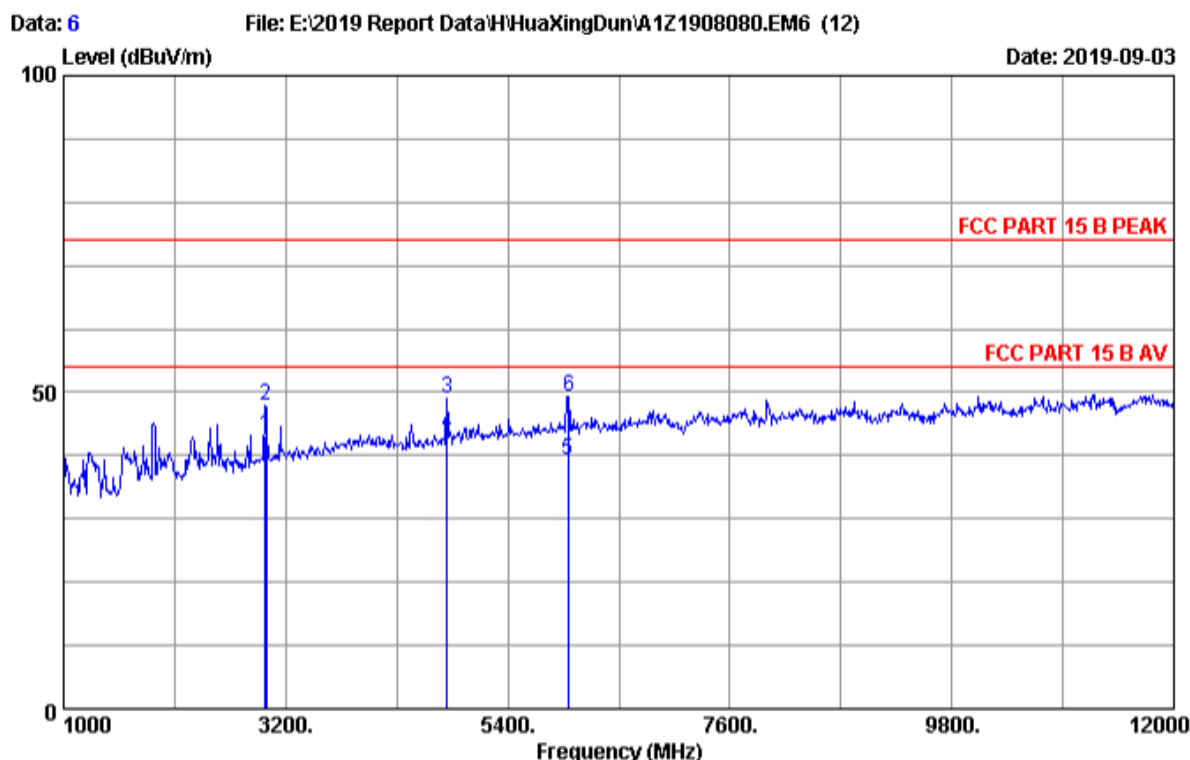
Date: 2019-09-18



Site no. : 3m Chamber Data no. : 8
 Dis. / Ant. : 3m 2018 CBL6112D-35375 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B (3M)
 Env. / Ins. : 22.8°C/61% Engineer : Garry
 EUT : Intelligent Processing Card
 Power rating : AC 120V/60Hz
 Test Mode : Running
 M/N:MLU270-S4K

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	32.910	22.90	0.55	13.20	36.65	40.00	3.35	QP*
2	39.880	19.30	0.60	14.50	34.40	40.00	5.60	QP
3	71.710	13.00	0.82	18.88	32.70	40.00	7.30	QP
4	98.970	17.10	0.98	18.90	36.98	43.50	6.52	QP
5	137.670	17.70	1.14	15.16	34.00	43.50	9.50	QP
6	313.240	19.60	1.79	14.89	36.28	46.00	9.72	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.
 3. The worst emission was detected at 32.910MHz with corrected signal level of 36.65dBμV/m. (Antenna height 2.8m; Turntable degree 210°).
 4. 0° was the table front facing the antenna. Degree is calculated from 0°clockwise facing the antenna



Site no. : 3m Chamber Data no. : 6
 Dis. / Ant. : 2018 3115-4877 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B PEAK
 Env. / Ins. : 22.8°C/61% Engineer : Garry
 EUT : Intelligent Processing Card
 Power rating : AC 120V/60Hz
 Test Mode : Running
 M/N:MLU270-S4K

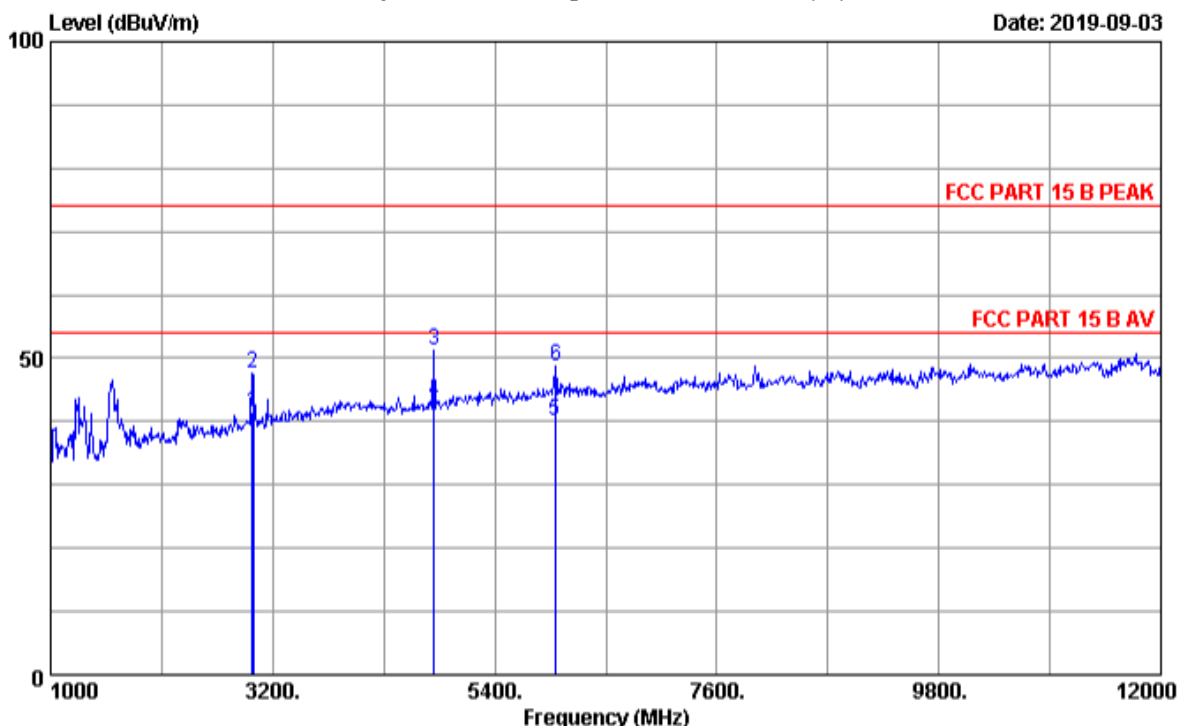
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	3000.000	29.43	3.54	31.59	41.85	43.23	54.00	10.77	Average
2	3002.638	29.43	3.54	31.59	46.64	48.02	74.00	25.98	Peak
3	4795.839	32.05	5.10	30.84	42.63	48.94	74.00	25.06	Peak
4	4799.998	32.10	5.11	30.84	36.98	43.35	54.00	10.65	Average
5	6000.225	33.37	5.28	30.76	31.26	39.15	54.00	14.85	Average
6	6005.834	33.37	5.28	30.76	41.50	49.39	74.00	24.61	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.

Data: 5

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Date: 2019-09-03



Site no. : 3m Chamber Data no. : 5
 Dis. / Ant. : 2018 3115-4877 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B PEAK
 Env. / Ins. : 22.8°C/61% Engineer : Garry
 EUT : Intelligent Processing Card
 Power rating : AC 120V/60Hz
 Test Mode : Running
 M/N:MLU270-S4K

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	3000.012	29.43	3.54	31.59	40.12	41.50	54.00	12.50	Average
2	3002.634	29.43	3.54	31.59	46.17	47.55	74.00	26.45	Peak
3	4795.524	32.05	5.10	30.84	44.98	51.29	74.00	22.71	Peak
4	4799.527	32.10	5.11	30.84	36.88	43.25	54.00	10.75	Average
5	6001.227	33.37	5.28	30.76	32.11	40.00	54.00	14.00	Average
6	6005.534	33.37	5.28	30.76	40.85	48.74	74.00	25.26	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.

5. DEVIATION TO TEST SPECIFICATIONS

[NONE]

6. PHOTOGRAPHS

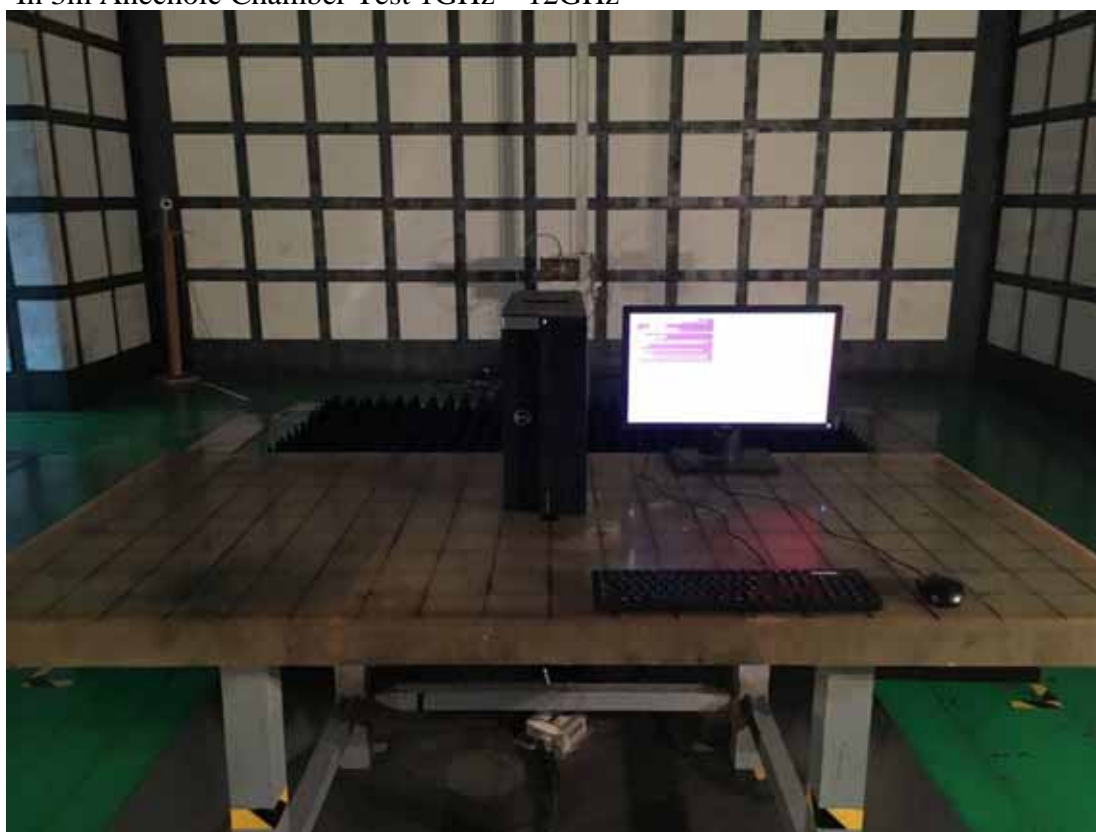
6.1. Photos of Power Line Conducted Emission Test



6.2. Photos of Radiated Emission Test (In 3m Anechoic Chamber)



In 3m Anechoic Chamber Test 1GHz – 12GHz



7. PHOTOS OF THE EUT

Figure 1
General appearance of the EUT



Figure 2
General appearance of the EUT



Figure 3
General appearance of the EUT



Figure 4
General appearance of the EUT

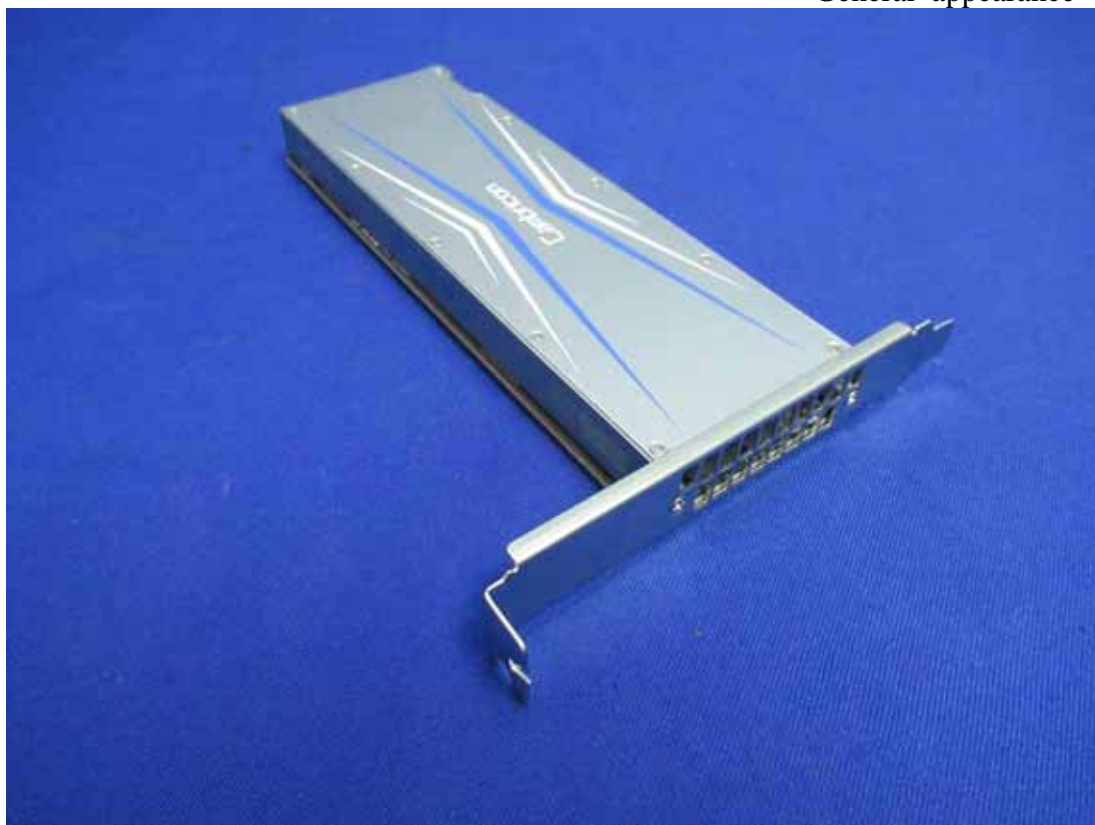


Figure 5
General appearance of the EUT



Figure 6
General appearance of the EUT



Figure 7
General appearance of the EUT

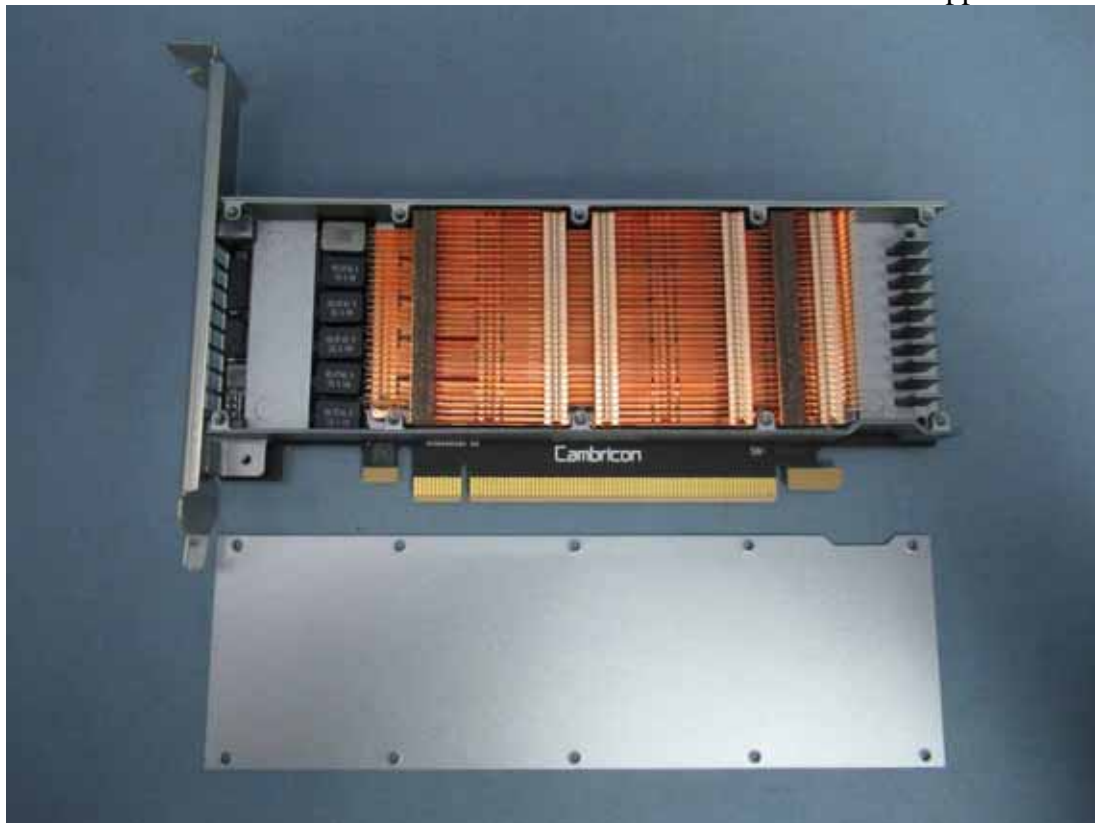


Figure 8
General appearance of the EUT



Figure 9
General appearance of the EUT



Figure 10
General appearance of the EUT



Figure 11
General appearance of the EUT

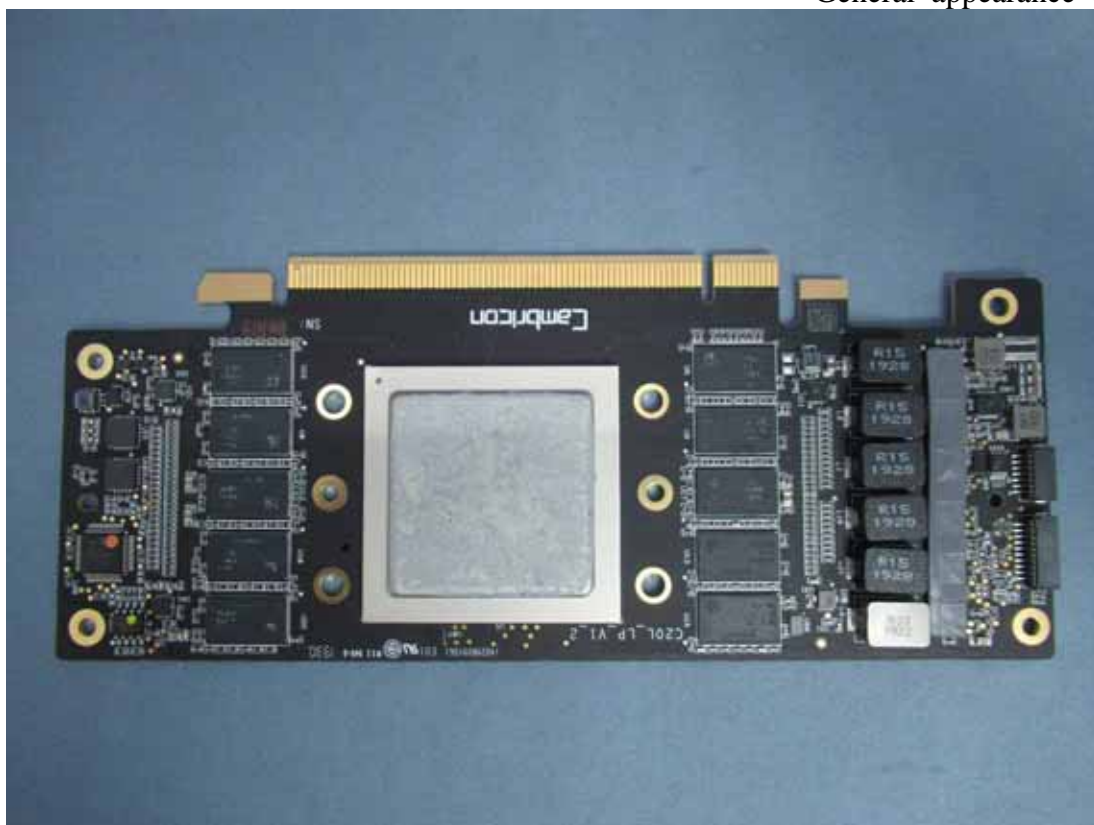
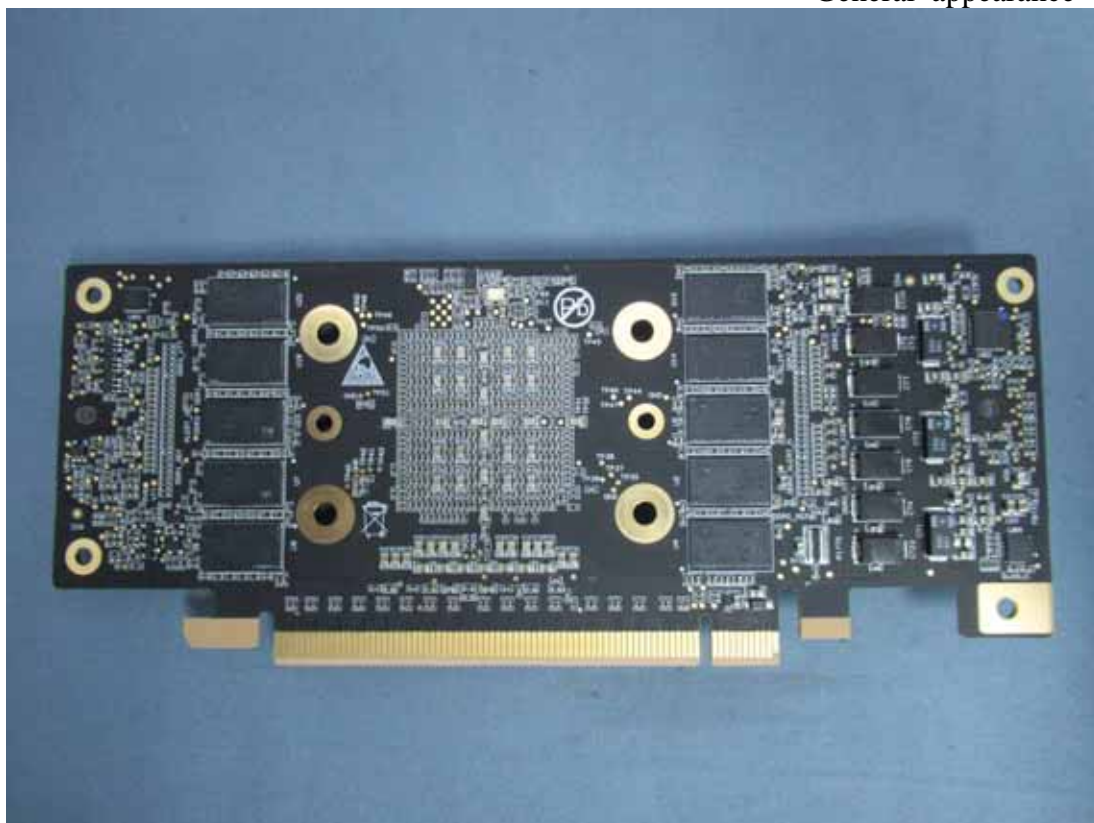


Figure 12
General appearance of the EUT



THE END