

Technical Compliance Statement

FCC Test Report

For the following information Ref. File No.: A1Z1908081

Product : Intelligent Processing Card
Model No. : MLU270-F5K; MLU270-F5; MLU270-F4; MLU270-F4K
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 or Canada in accordance with the rules of 47 CFR FCC Part 2 regulations.

The test data and results are issued on the test report **ACS-F19169**.

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-F5K; MLU270-F5; MLU270-F4; MLU270-F4K

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,
Nanshan District, Shenzhen, Guangdong, China
Tel: (0755) 26639496
Fax: (0755) 26632877



TESTING
NVLAP LAB CODE 200372-0

Report Number : ACS-F19169
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-F5K; MLU270-F5; MLU270-F4; MLU270-F4K
 (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

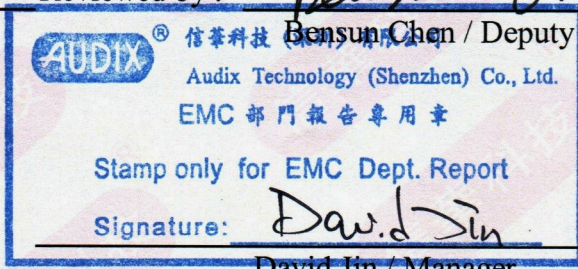
The device described above was tested by Audix Technology (Shenzhen) Co., Ltd. to determine the maximum emission levels emanating from the device. All of the tests were requested by the applicant and the results thereof based upon the information that the applicant provided to us. We, Audix Technology (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 47 CFR FCC Part 2 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 : Yena Xu Reviewed by : Bensun Chen
 Yena Xu / Assistant Bensun Chen / Deputy 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 ICES-003 Issue 6: 2017(Updated)	PASS	Minimum passing margin is 15.04dB at 16.486MHz
Radiated Emission Test (30-1000MHz)	47 CFR FCC Part 15 Subpart B ANSI C63.4:2014 ICES-003 Issue 6: 2017(Updated)	PASS	Minimum passing margin is 4.62dB at 313.228 MHz
Radiated Emission Test (Above 1GHz)	47 CFR FCC Part 15 Subpart B ANSI C63.4:2014 ICES-003 Issue 6: 2017(Updated)	PASS	Minimum passing margin is 8.93dB at 3000.214MHz

2. GENERAL INFORMATION

2.1. Descriptions of Device (EUT)

Product : Intelligent Processing Card

Model No. : MLU270-F5K; MLU270-F5; MLU270-F4; MLU270-F4K
models, and the differences are as follows:

	MLU270-F4	MLU270-F4K	MLU270-F5	MLU270-F5K
IPU	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
Memory	16GB	16GB	32GB	32GB

Test Model : MLU270-F5K

FCC ID : 2ARVF-MLU270-F

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

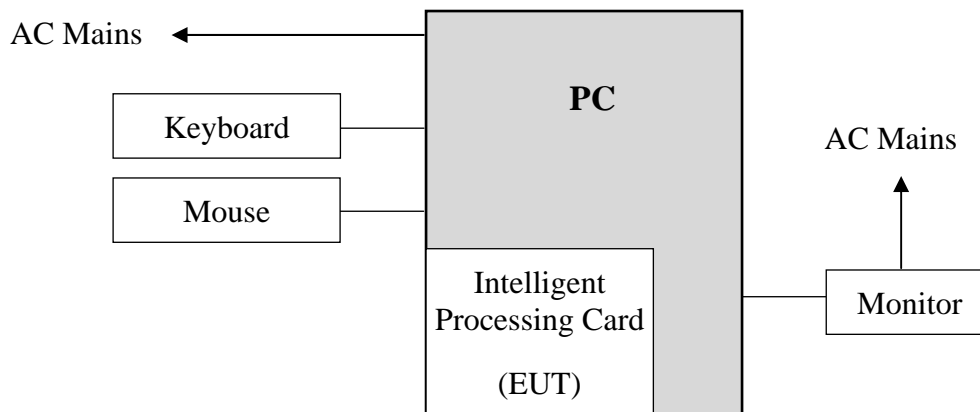
Date of Receipt : Aug.21, 2019

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.

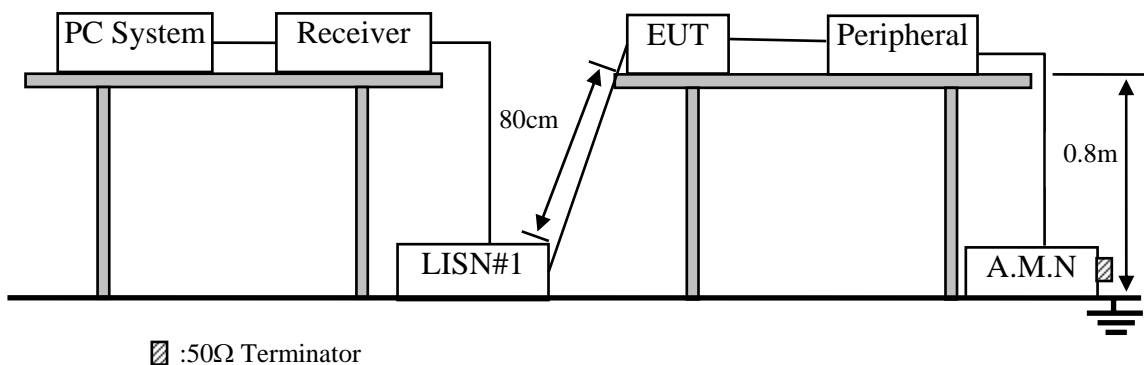
3. CONDUCTED EMISSION AT MAINS TERMINALS TEST

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)

3.4.2. Model No. : MLU270-F5K

3.4.3. 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-F5K

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

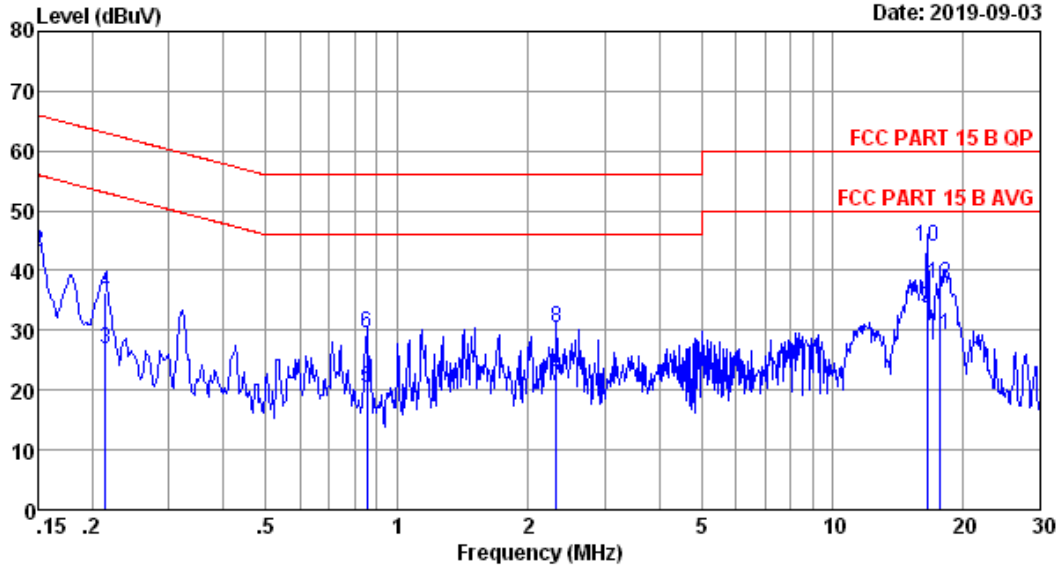
Temperature: 24.1 °C

Humidity: 56%

The details of test modes are as follows :

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

Data: 3 File: E:\1#CE\2019 Report Data\H\HuaXingDun\A1Z1908081.EM6 (6) Date: 2019-09-03

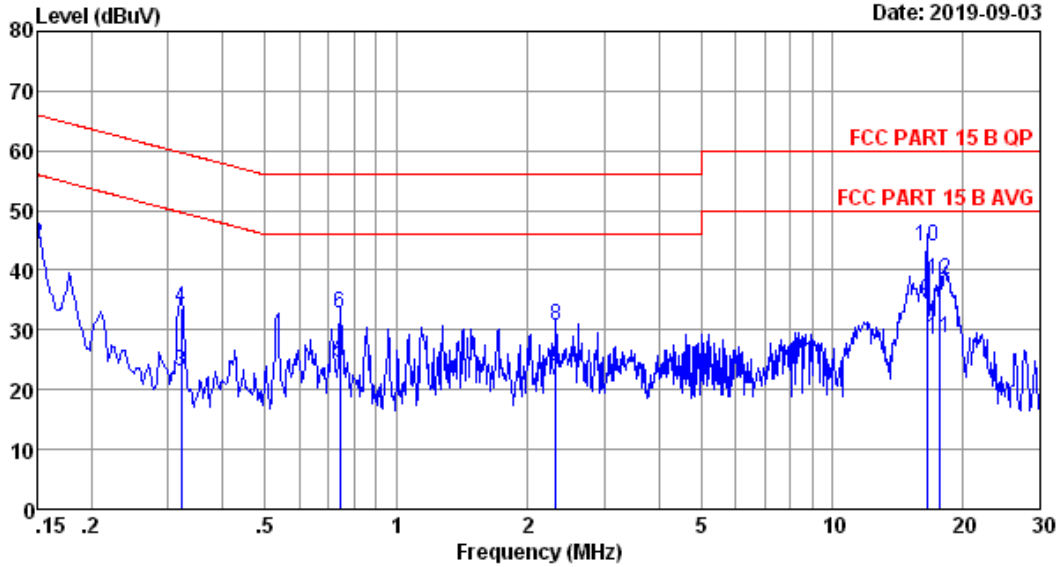


Site no :1# Conduction Data No :3
 Dis./Lisn :2018 ENV216-L LISN phase:
 Limit :FCC PART 15 B QP
 Env./Ins. :24.1°C/56% Engineer :Kennen
 EUT :Intelligent Processing Card
 Power Rating :AC 120V/60Hz
 Test Mode :Running
 M/N:MLU270-F5K

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	24.00	33.43	56.00	22.57	Average
2	0.150	9.40	0.03	33.54	42.97	66.00	23.03	QP
3	0.214	9.40	0.03	17.50	26.93	53.05	26.12	Average
4	0.214	9.40	0.03	26.94	36.37	63.05	26.68	QP
5	0.853	9.40	0.03	10.90	20.33	46.00	25.67	Average
6	0.853	9.40	0.03	20.04	29.47	56.00	26.53	QP
7	2.321	9.50	0.04	11.00	20.54	46.00	25.46	Average
8	2.321	9.50	0.04	20.81	30.35	56.00	25.65	QP
9	16.486	9.60	0.13	23.90	33.63	50.00	16.37	Average
10	16.486	9.60	0.13	34.32	44.05	60.00	15.95	QP
11	17.661	9.60	0.14	19.60	29.34	50.00	20.66	Average
12	17.661	9.60	0.14	28.13	37.87	60.00	22.13	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.

Data: 4 File: E:\1#CE\2019 Report Data\H\HuaXingDun\A1Z1908081.EM6 (6) Date: 2019-09-03



Site no :1# Conduction Data No :4
 Dis./Lisn :2018 ENV216-N LISN phase:
 Limit :FCC PART 15 B QP
 Env./Ins. :24.1°C/56% Engineer :Kennen
 EUT :Intelligent Processing Card
 Power Rating :AC 120V/60Hz
 Test Mode :Running
 M/N:MLU270-F5K

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	25.30	34.73	56.00	21.27	Average
2	0.150	9.40	0.03	34.71	44.14	66.00	21.86	QP
3	0.322	9.40	0.03	13.70	23.13	49.66	26.53	Average
4	0.322	9.40	0.03	24.28	33.71	59.66	25.95	QP
5	0.743	9.40	0.02	15.20	24.62	46.00	21.38	Average
6	0.743	9.40	0.02	23.33	32.75	56.00	23.25	QP
7	2.321	9.42	0.04	12.00	21.46	46.00	24.54	Average
8	2.321	9.42	0.04	21.12	30.58	56.00	25.42	QP
9	16.486	9.63	0.13	25.20	34.96	50.00	15.04	Average
10	16.486	9.63	0.13	34.17	43.93	60.00	16.07	QP
11	17.661	9.65	0.14	18.80	28.59	50.00	21.41	Average
12	17.661	9.65	0.14	28.46	38.25	60.00	21.75	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.

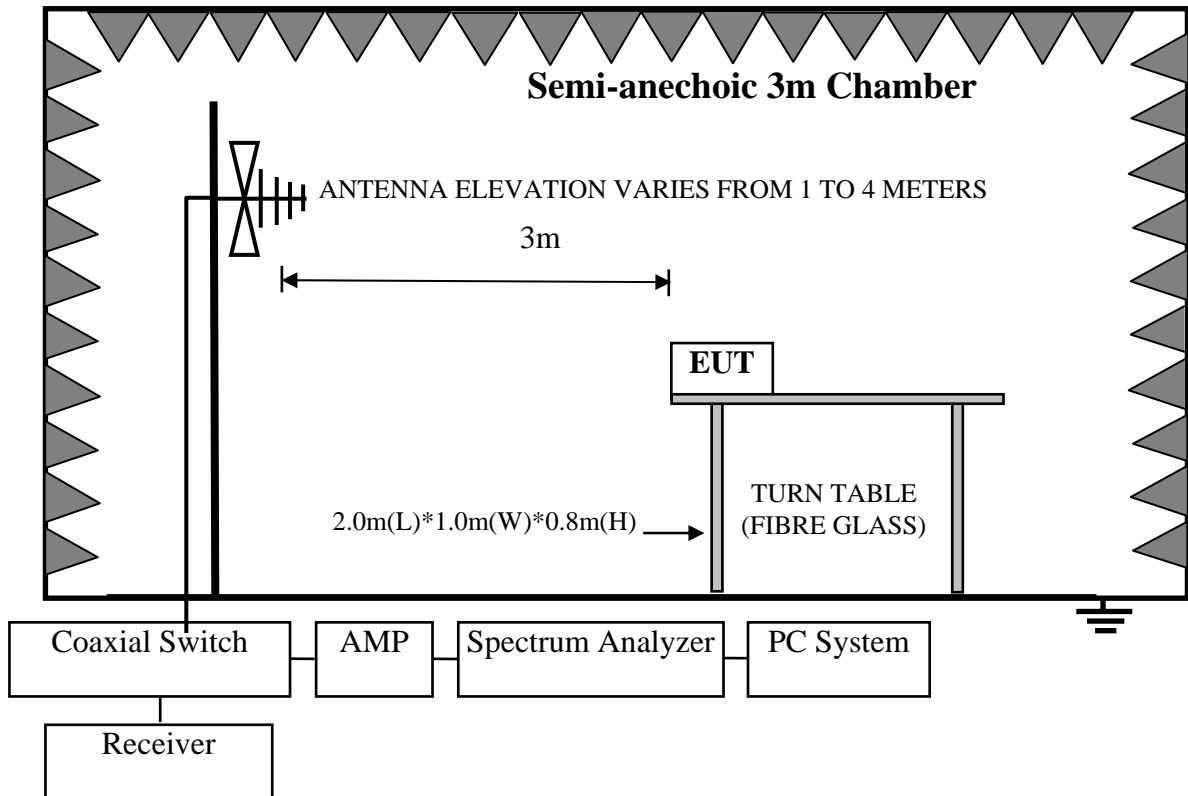
4.1.2. For frequency range 1GHz~12GHz (In 3m Anechoic Chamber)

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

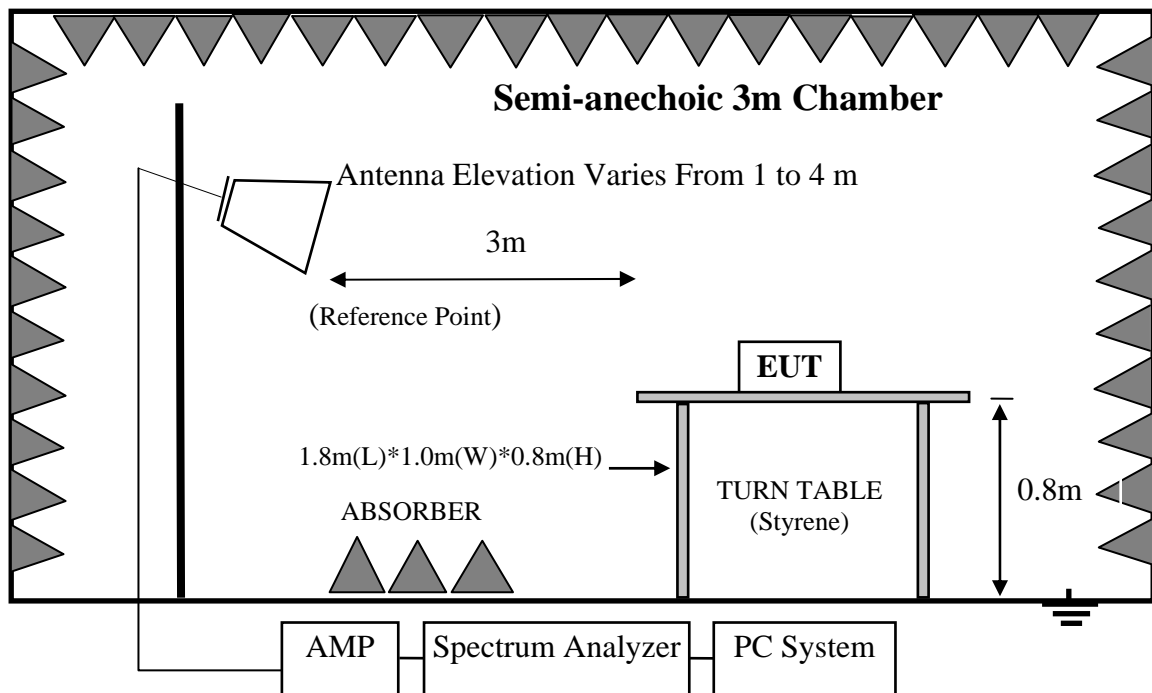
Note: N/A means Not applicable.

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.

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. : GeForce RTX 2060

For frequency range 30MHz~1GHz

Test Date: Sep.18, 2019

Temperature: 22.8°C

Humidity: 61%

The details of test modes are as follows:

No.	Test Mode	Reference Test Data No.	
		Horizontal	Vertical
1.	Running	#10	#9

For frequency range 1GHz~12GHz

Test Date: Sep.03, 2019

Temperature: 22.8°C

Humidity: 61%

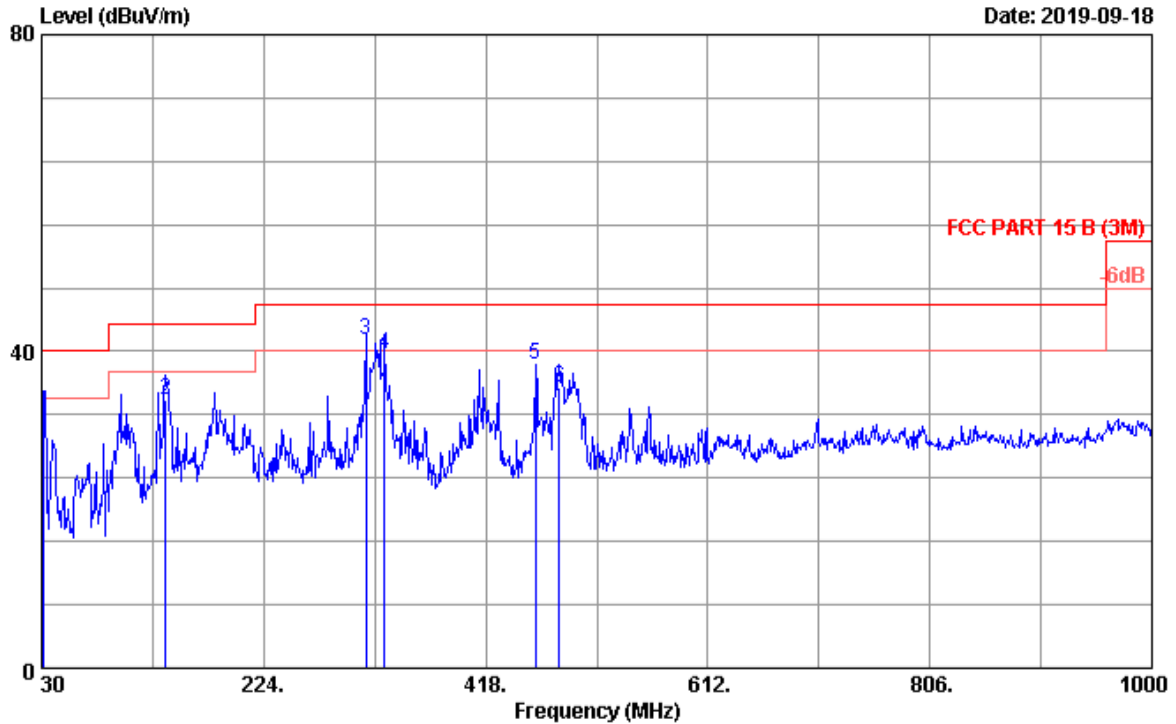
The details of test modes are as follows :

No.	Test Mode	Reference Test Data No.	
		Horizontal	Vertical
1.	Running	#3	#4

Data: 10

File: E:\2019 Report Data\H\HuaXingDun\A1Z1908081.EM6 (12)

Date: 2019-09-18



Site no. : 3m Chamber Data no. : 10
 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-F5K

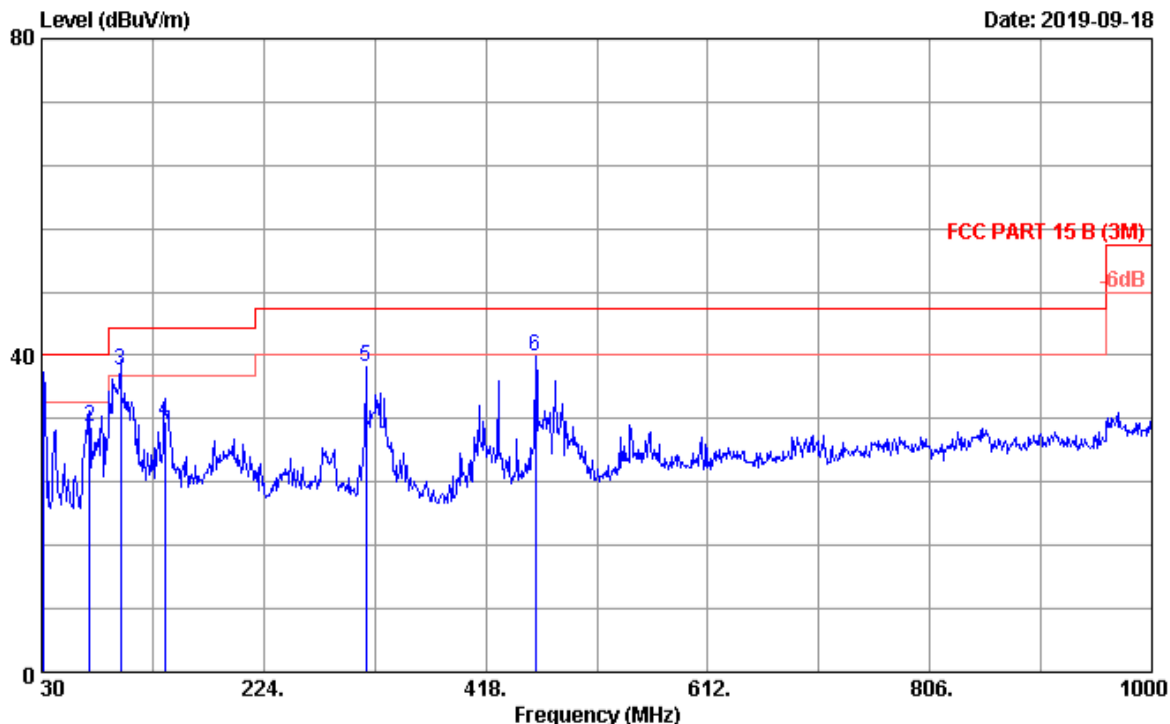
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	31.520	23.50	0.54	10.19	34.23	40.00	5.77	QP
2	138.633	17.60	1.14	15.16	33.90	43.50	9.60	QP
3	313.228	19.60	1.79	19.99	41.38	46.00	4.62	QP*
4	329.730	20.00	1.83	17.74	39.57	46.00	6.43	QP
5	461.638	23.28	2.20	12.86	38.34	46.00	7.66	QP
6	482.020	23.38	2.26	9.69	35.33	46.00	10.67	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 313.228MHz with corrected signal level of 41.38dBuV/m. (Antenna height 1.9m; Turntable degree 233°).
 4. 0° was the table front facing the antenna. Degree is calculated from 0°clockwise facing the antenna

Data: 9

File: E:\2019 Report Data\H\HuaXingDun\A1Z1908081.EM6 (12)

Date: 2019-09-18



Site no. : 3m Chamber
 Dis. / Ant. : 3m 2018 CBL6112D-35375
 Limit : FCC PART 15 B (3M)
 Env. / Ins. : 22.8°C/61%
 EUT : Intelligent Processing Card
 Power rating : AC 120V/60Hz
 Test Mode : Running
 M/N:MLU270-F5K
 Data no. : 9
 Ant. pol. : VERTICAL
 Engineer : Garry

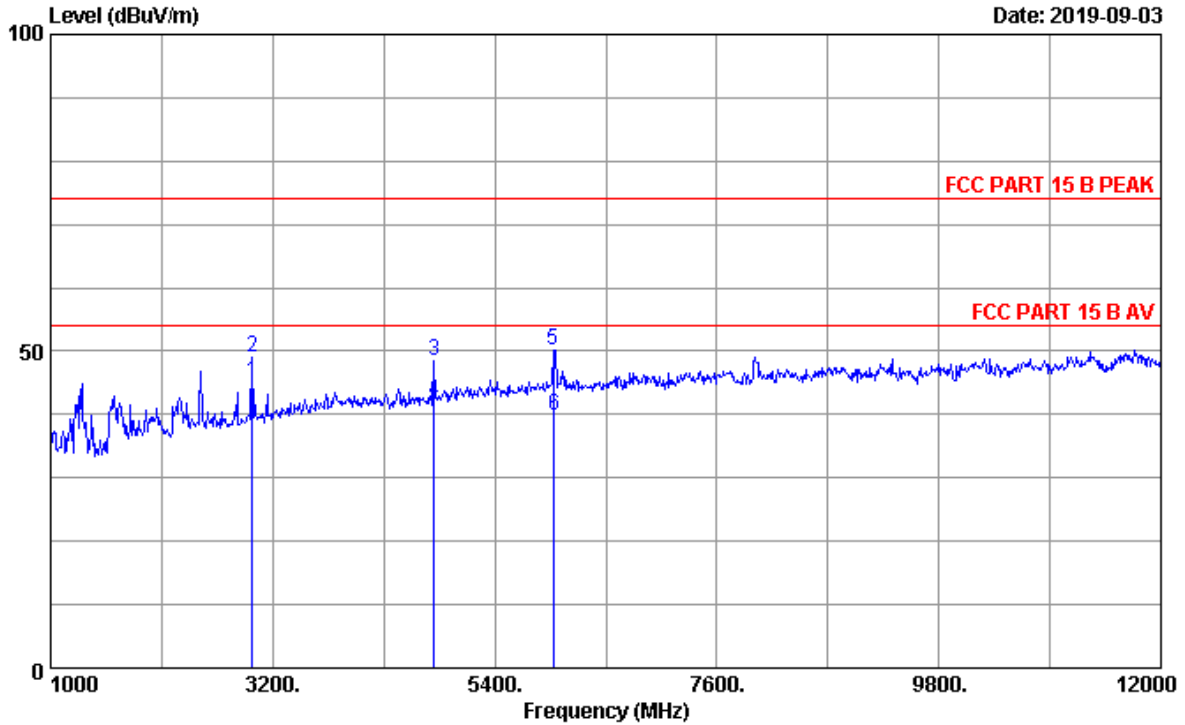
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	31.940	23.50	0.54	11.20	35.24	40.00	4.76	QP*
2	71.710	13.00	0.82	17.05	30.87	40.00	9.13	QP
3	98.855	17.10	0.98	20.00	38.08	43.50	5.42	QP
4	137.670	17.70	1.14	12.71	31.55	43.50	11.95	QP
5	313.232	19.60	1.79	17.11	38.50	46.00	7.50	QP
6	461.599	23.28	2.20	14.41	39.89	46.00	6.11	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 31.940MHz with corrected signal level of 35.24dBuV/m. (Antenna height 1.9m; Turntable degree 233°).
 4. 0° was the table front facing the antenna. Degree is calculated from 0°clockwise facing the antenna

Data: 3

File: E:\2019 Report Data\H\HuaXingDun\A1Z1908081.EM6 (12)

Date: 2019-09-03



Site no. : 3m Chamber
 Dis. / Ant. : 2018 3115-4877
 Limit : FCC PART 15 B PEAK
 Env. / Ins. : 22.8°C/61%
 EUT : Intelligent Processing Card
 Power rating : AC 120V/60Hz
 Test Mode : Running
 M/N:MLU270-F5K

Data no. : 3
 Ant. pol. : HORIZONTAL
 Engineer : Garry

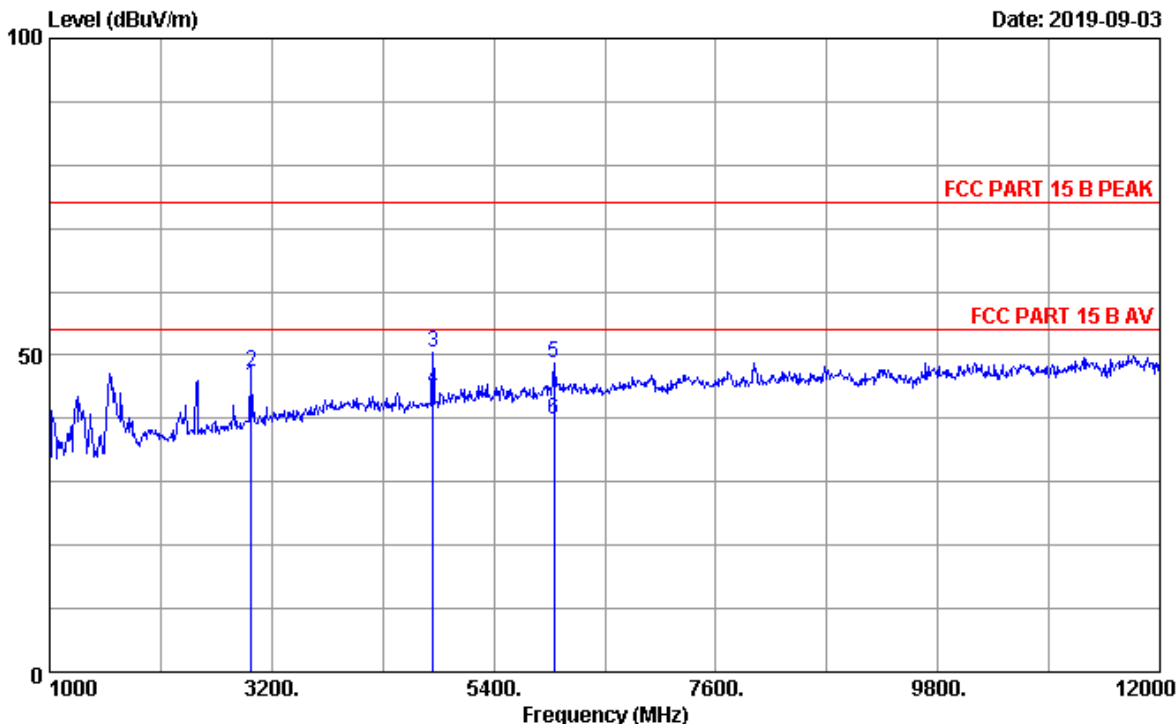
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	3000.142	29.43	3.54	31.59	43.63	45.01	54.00	8.99	Average
2	3002.224	29.43	3.54	31.59	47.59	48.97	74.00	25.03	Peak
3	4795.325	32.05	5.10	30.84	42.08	48.39	74.00	25.61	Peak
4	4798.902	32.05	5.10	30.84	35.67	41.98	54.00	12.02	Average
5	5983.527	33.34	5.28	30.76	42.34	50.20	74.00	23.80	Peak
6	5988.824	33.34	5.28	30.76	32.02	39.88	54.00	14.12	Average

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: 4

File: E:\2019 Report Data\H\HuaXingDun\A1Z1908081.EM6 (12)

Date: 2019-09-03



Site no. : 3m Chamber Data no. : 4
 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-F5K

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	3000.214	29.43	3.54	31.59	43.69	45.07	54.00	8.93	Average
2	3002.020	29.43	3.54	31.59	45.98	47.36	74.00	26.64	Peak
3	4795.324	32.05	5.10	30.84	44.20	50.51	74.00	23.49	Peak
4	4799.025	32.05	5.10	30.84	38.28	44.59	54.00	9.41	Average
5	5994.634	33.37	5.28	30.76	40.87	48.76	74.00	25.24	Peak
6	5999.824	33.37	5.28	30.76	32.05	39.94	54.00	14.06	Average

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

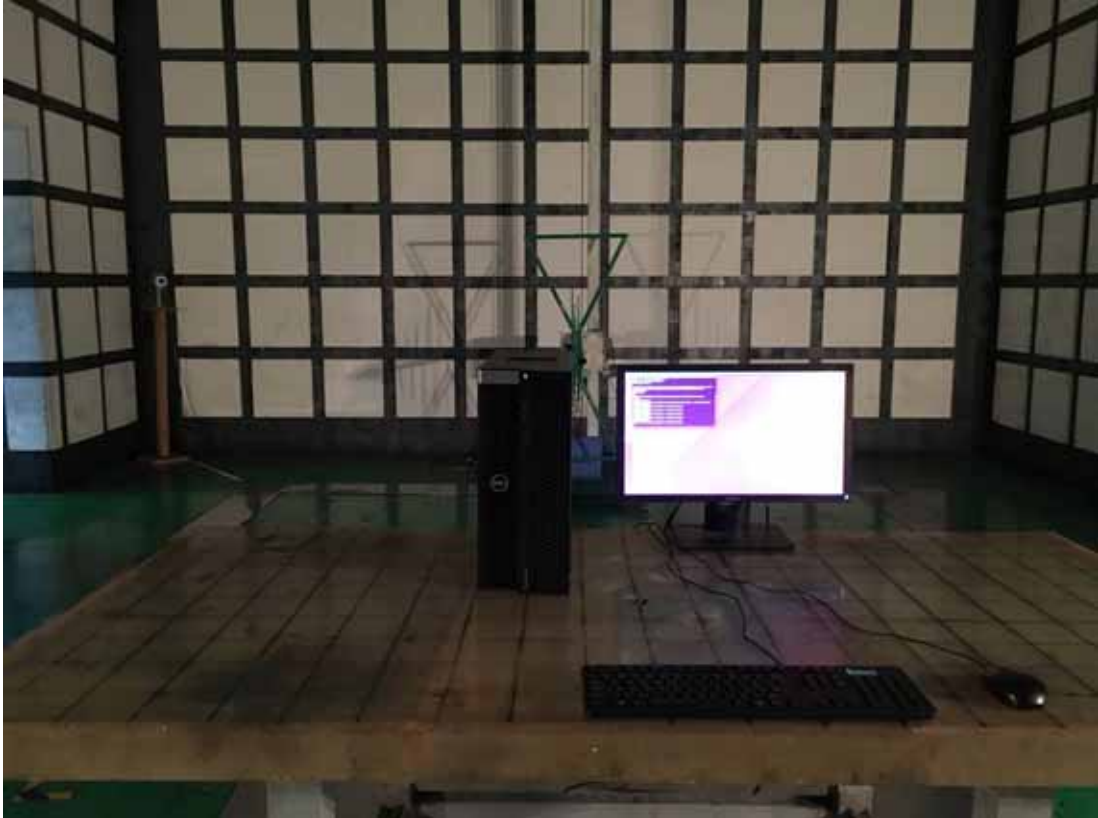
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6. PHOTOGRAPHS

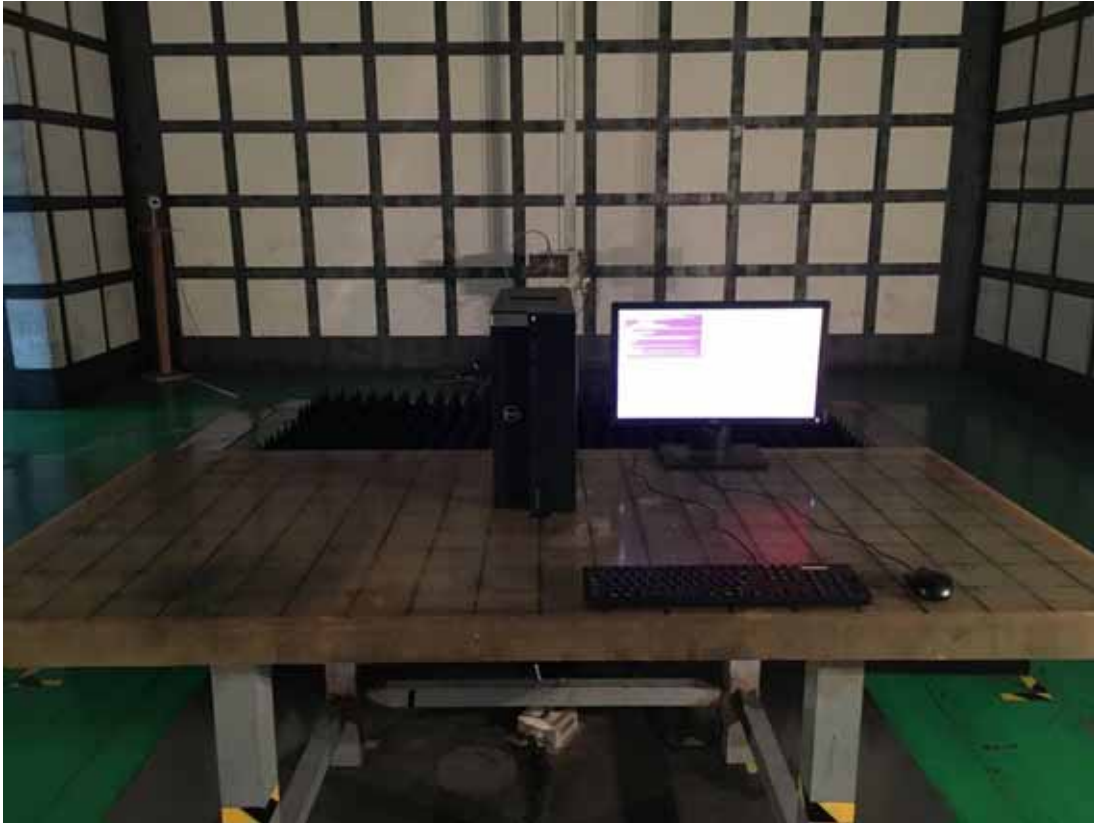
6.1. Photos of Power Line Conducted Emission Test



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



Figure 13
General appearance of the EUT



..... **THE END**