

Test Report



(Supplier's Declaration of conformity)

for

SHENZHEN HOPELAND TECHNOLOGIES CO., LTD.

RFID Reader module

Model No.: CL7206A5

Prepared for : SHENZHEN HOPELAND TECHNOLOGIES CO., LTD.
Address : 17/F, Block A, Clou Bldg, Baoshen Road, Hitech Industrial
Park North, Nanshan District, 518007, Shenzhen, China

Prepared by : EMTEK (SHENZHEN) CO., LTD.
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Report Number : ES180728004E
Date of Test : July 29, 2018 to October 22, 2018
Date of Report : October 22, 2018

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TEST REPORT DESCRIPTION

Applicant : SHENZHEN HOPELAND TECHNOLOGIES CO., LTD.
17/F, Block A, Clou Bldg, Baoshen Road, Hitech Industrial Park North,
Nanshan District, 518007, Shenzhen, China

Manufacturer : SHENZHEN HOPELAND TECHNOLOGIES CO., LTD.
17/F, Block A, Clou Bldg, Baoshen Road, Hitech Industrial Park North,
Nanshan District, 518007, Shenzhen, China

Trade Mark : Hopeland

EUT : RFID Reader module

Model No. : CL7206A5

Power Supply : DC 24V Via Adapter

Measurement Procedure Used:

CFR 47, FCC Part 15 Subpart B
ANSI C63.4-2014

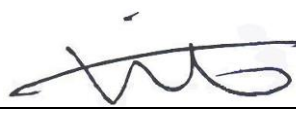
The device described above is tested by EMTEK (SHENZHEN) CO., LTD. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and EMTEK (SHENZHEN) CO., LTD. is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with the FCC requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of EMTEK (SHENZHEN) CO., LTD.

Date of Test : July 29, 2018 to October 22, 2018

Prepared by : 
Sevin Li/Editor

Reviewer : 
Joe Xia/Supervisor

Approve & Authorized Signer : 
Lisa Wang/Manager



Modified Information

Version	Report No.	Revision Data	Summary
Ver.1.0	ES180728004E	/	Original Version

1. SUMMARY OF TEST RESULTS

EMISSION		
Description of Test Item	Standard & Limits	Results
Conducted Emission	FCC Part 15, Subpart B- Section 15.107, Class B ANSI C63.4-2014	Pass
Radiated Emission	FCC Part 15, Subpart B- Section 15.109, Class B ANSI C63.4-2014	Pass
Note: N/A is an abbreviation for Not Applicable.		

2. GENERAL INFORMATION

2.1. Description of Device (EUT)

EUT : RFID Reader module

Model Number : CL7206A5

Power Supply : DC 24V via adapter
Model: FSP060-DAAN2
Input: 100-240V~, 1.5A, 50-60Hz
Output: DC 24V, 2.5 Max

Applicant : SHENZHEN HOPELAND TECHNOLOGIES CO., LTD.

Address : 17/F, Block A, Clou Bldg, Baoshen Road, Hitech Industrial Park North,
Nanshan District, 518007, Shenzhen, China

Manufacturer : SHENZHEN HOPELAND TECHNOLOGIES CO., LTD.

Address : 17/F, Block A, Clou Bldg, Baoshen Road, Hitech Industrial Park North,
Nanshan District, 518007, Shenzhen, China

Date of Received : July 29, 2018

Date of Test : July 29, 2018 to October 22, 2018

2.2. Input / Output Ports

Port #	Name	Type*	Cable	Cable Shielded	Comments
0	Enclosure	N/E	--	--	None
1	DC Port	DC	--	--	None
2	RS232	I/O	--	--	None
3	ethernet network	I/O	--	--	None
4	USB	I/O	--	--	None
* Note: For the purposes of the present document, the following symbols apply: AC AC Power Port DC DC Power Port N/E Non-Electrical I/O Signal Input or Output Port (Not Involved in Process Control) TP Telecommunication Ports					

2.3. Independent Operation Modes

- A ON
 - 1. PC Data Transfer with RJ45 Port
 - 2. PC Data Transfer with R232 Port
 - 3. PC Data Transfer with USB Port
- B All Mode with Ping operation
- C Stand-By
- Off

2.4. Test Manner

Test Items	Test Voltage	Operation Modes	Worst case
Conducted Emission	AC 120V, 60Hz	Mod A	Mod A.1
Radiated Emission Up to 1GHz	AC 120V, 60Hz,	Mod A	Mod A.1
Radiated Emission Above 1GHz	AC 120V, 60Hz,	Mod A	Mod A.1

2.5. Description of Test Facility

Site Description

EMC Lab. : Accredited by CNAS, 2016.10.24
 The certificate is valid until 2022.10.28
 The Laboratory has been assessed and proved to be in compliance with
 CNAS-CL01:2006 (identical to ISO/IEC 17025:2005)
 The Certificate Registration Number is L2291.

Accredited by TUV Rheinland Shenzhen 2016.5.19
 The Laboratory has been assessed according to the requirements
 ISO/IEC 17025.

Accredited by FCC, August 06, 2018
 The certificate is valid until August 07, 2020
 Designation Number: CN1204
 Test Firm Registration Number: 882943

Accredited by Industry Canada, November 24, 2015
 The Certificate Registration Number is 4480A.

Name of Firm : EMTEK (SHENZHEN) CO., LTD.

Site Location : Bldg 69, Majialong Industry Zone, Nanshan District, Shenzhen,
 Guangdong, China

2.6. Test Software

Item Software
 Conducted Emission : EMTEK(Ver.CON-03A1)-Shenzhen
 Radiated Emission : EMTEK(Ver.RA-03A1)-Shenzhen

2.7. Description of Support Device

Notebook : Manufacturer: HP
M/N: Compaq 6515b
S/N: SS05538914
CE, FCC

2.8. Measurement Uncertainty

Test Item	Uncertainty
Conducted Emission Uncertainty	3.16dB(9k~150kHz Conduction 2#) 2.90dB(150k-30MHz Conduction 2#)
Radiated Emission Uncertainty (3m Chamber)	3.78dB (30M~1GHz Polarize: H) 4.27dB (30M~1GHz Polarize: V) 4.46dB (1~6GHz)

3. MEASURING DEVICE AND TEST EQUIPMENT

3.1. For Power Line Conducted Emission Measurement

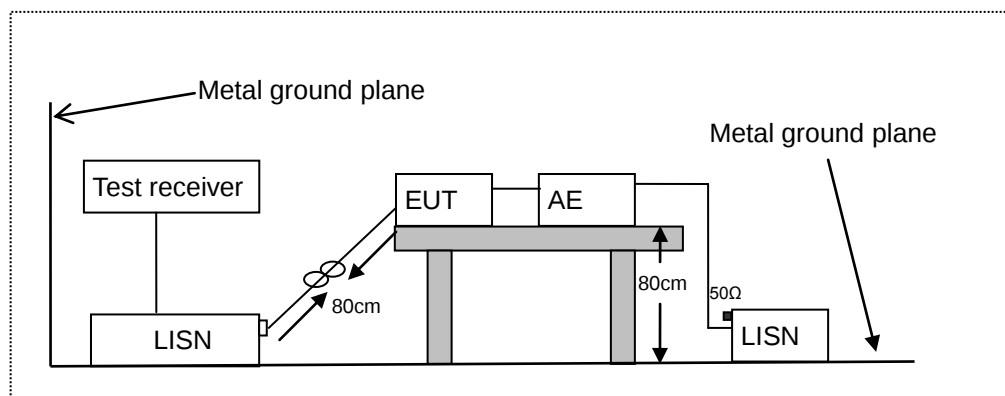
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
☒	Test Receiver	Rohde & Schwarz	ESCS30	828985/018	May 20, 2018	1 Year
☒	L.I.S.N.	Rohde & Schwarz	ESH3-Z5	100191	May 19, 2018	1 Year
☒	50Ω Coaxial Switch	Anritsu	MP59B	M20531	May 20, 2018	1 Year
☒	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100006	May 19, 2018	1 Year

3.2. For Radiated Emission Measurement

Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
☒	EMI Test Receiver	Rohde & Schwarz	ESU	1302.6005.26	May 20, 2018	1 Year
☒	Pre-Amplifier	HP	8447F	2944A07999	May 19, 2018	1 Year
☒	Bilog Antenna	Schwarzbeck	VULB9163	142	May 19, 2018	1 Year
☒	Cable	Schwarzbeck	AK9513	ACRX1	May 20, 2018	1 Year
☒	Cable	Rosenberger	N/A	FP2RX2	May 20, 2018	1 Year
☒	Cable	Schwarzbeck	AK9513	CRPX1	May 20, 2018	1 Year
☒	Cable	Schwarzbeck	AK9513	CRRX2	May 20, 2018	1 Year
☒	EMI Test Receiver	Rohde & Schwarz	ESU	1302.6005.26	May 20, 2018	1 Year
☒	Pre-Amplifier	A.H.	PAM-0126	1415261	May 19, 2018	1 Year
☒	Horn Antenna	Schwarzbeck	BBHA 9120	707	May 19, 2018	1 Year
☒	Cable	H+B	0.5M SF104-26.5	289147/4	May 20, 2018	1 Year
☒	Cable	H+B	3M SF104-26.5	295838/4	May 20, 2018	1 Year
☒	Cable	H+B	6M SF104-26.5	295840/4	May 20, 2018	1 Year

4. POWER LINE CONDUCTED EMISSION MEASUREMENT

4.1. Block Diagram of Test Setup



LISN: Line Impedance Stabilization Network

AE: Associated equipment

EUT: Equipment under test

4.2. Limits

FCC Part 15, Subpart B, Class B

Frequency (MHz)	Limit (dB μ V)	
	Quasi-peak Level	Average Level
0.15 ~ 0.50	66.0 ~ 56.0 *	56.0 ~ 46.0 *
0.50 ~ 5.00	56.0	46.0
5.00 ~ 30.00	60.0	50.0

NOTE1-The lower limit shall apply at the transition frequencies.
NOTE2-The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.

4.3. Test Procedure

The EUT was placed on a desk 0.8 m height from the metal ground plane and 0.4 m from the conducting wall of the shielding room and it was kept at least 0.8 m from any other grounded conducting surface. The size of the table will nominally be 1.5 m x1.0 m.

The rear of the arrangement shall be flush with the back of the supporting tabletop unless that would not be possible or typical of normal use.

All units of equipment forming the system under test (includes the EUT as well as connected peripherals and associated equipment or devices) shall be arranged such that a nominal 0.1 m separation is achieved between the neighboring units.

Connect EUT to the power mains through a line impedance stabilization network (LISN). Where the mains cable supplied by the manufacturer is longer than 1 m, the excess should be folded at the centre into a bundle no longer than 0.4 m, so that its length is shortened to 1 m.

All the support units are connecting to the other LISN.

The LISN provides 50 ohm coupling impedance for the measuring instrument.

Both sides of AC line were checked for maximum conducted interference.

The frequency range from 150 kHz to 30 MHz was sweep.

Set the test-receiver system to quasi peak detect function and average detect function, and to measure the conducted emissions values.

Test results were obtained from the following equation:

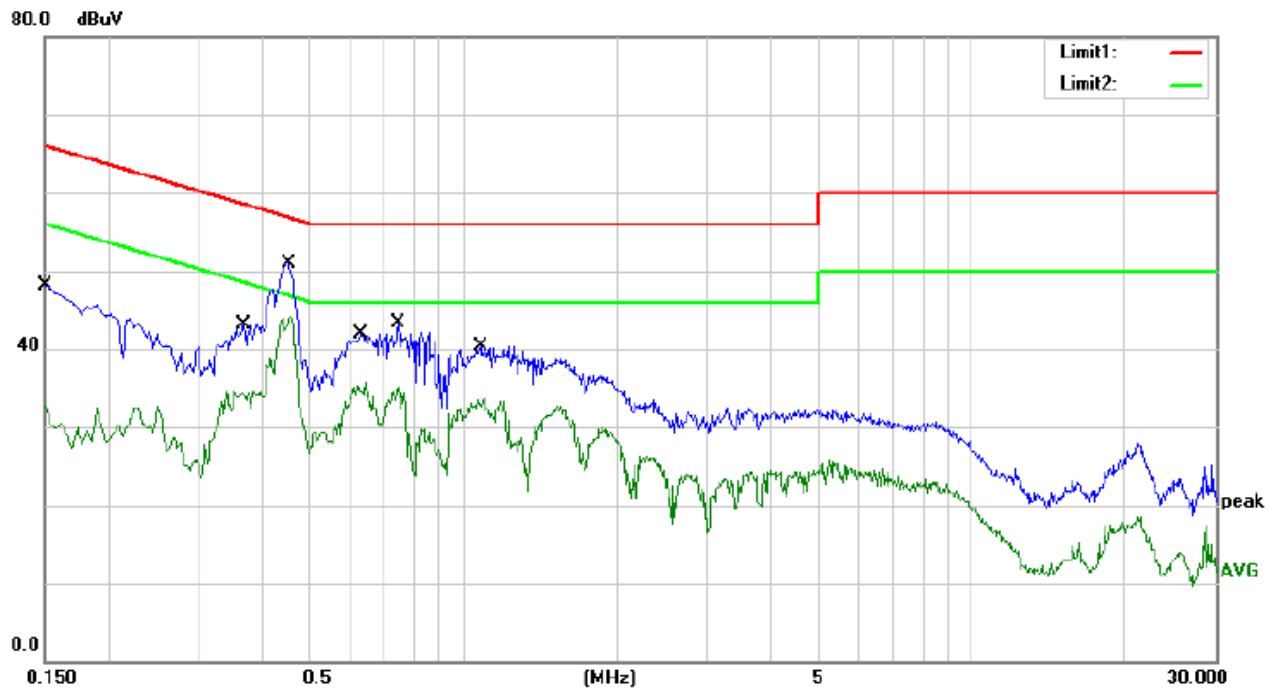
Emission Level (dB μ V) = LISN Factor (dB) + Cable Loss (dB) + Reading (dB μ V)

Margin (dB) = Emission Level (dB μ V) - Limit (dB μ V)

4.4.Measuring Results

PASS.

Please refer to following pages.



Site Conduction #2

Phase: **N**

Temperature: 24.9

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

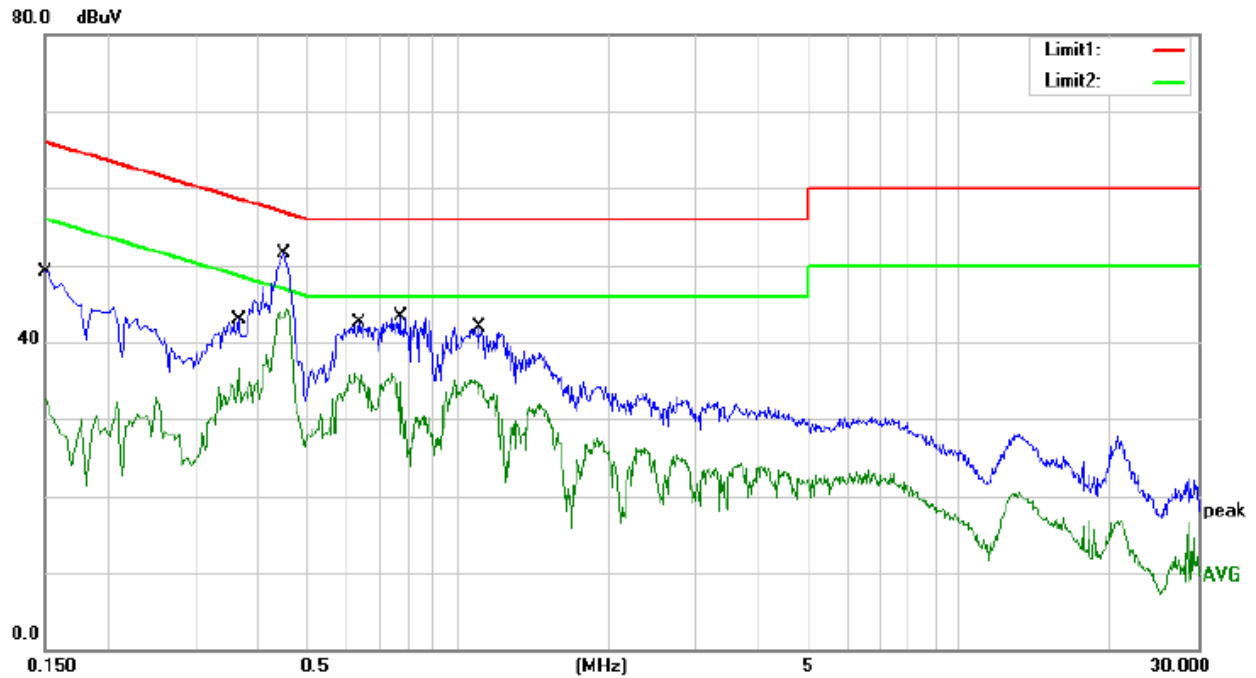
Humidity: 54 %

Mode: PC Data Transfer With RJ45 port

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	38.29	9.89	48.18	66.00	-17.82	QP	
2		0.1500	23.25	9.89	33.14	56.00	-22.86	AVG	
3		0.3700	33.13	9.91	43.04	58.50	-15.46	QP	
4		0.3700	24.71	9.91	34.62	48.50	-13.88	AVG	
5		0.4580	41.09	9.92	51.01	56.73	-5.72	QP	
6	*	0.4580	34.10	9.92	44.02	46.73	-2.71	AVG	
7		0.6300	32.01	9.92	41.93	56.00	-14.07	QP	
8		0.6300	25.77	9.92	35.69	46.00	-10.31	AVG	
9		0.7460	33.42	9.92	43.34	56.00	-12.66	QP	
10		0.7460	25.27	9.92	35.19	46.00	-10.81	AVG	
11		1.0780	30.28	9.93	40.21	56.00	-15.79	QP	
12		1.0780	23.70	9.93	33.63	46.00	-12.37	AVG	

*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: Jason



Site Conduction #2

Phase: **L1**

Temperature: 24.9

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

Humidity: 54 %

Mode: PC Data Transfer With RJ45 port

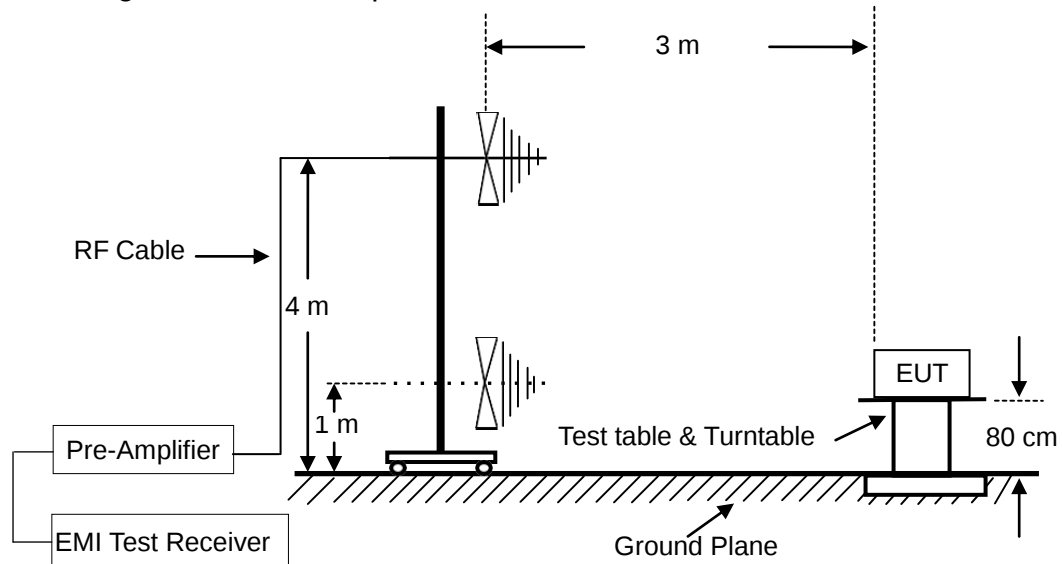
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	39.19	9.89	49.08	66.00	-16.92	QP	
2		0.1500	23.19	9.89	33.08	56.00	-22.92	AVG	
3		0.3660	33.04	9.91	42.95	58.59	-15.64	QP	
4		0.3660	26.72	9.91	36.63	48.59	-11.96	AVG	
5		0.4500	41.58	9.92	51.50	56.88	-5.38	QP	
6	*	0.4500	34.44	9.92	44.36	46.88	-2.52	AVG	
7		0.6340	32.59	9.92	42.51	56.00	-13.49	QP	
8		0.6340	25.93	9.92	35.85	46.00	-10.15	AVG	
9		0.7700	33.34	9.92	43.26	56.00	-12.74	QP	
10		0.7700	25.98	9.92	35.90	46.00	-10.10	AVG	
11		1.1060	32.01	9.93	41.94	56.00	-14.06	QP	
12		1.1060	25.22	9.93	35.15	46.00	-10.85	AVG	

*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: Jason

5. RADIATED EMISSION MEASUREMENT (UP TO 1GHz)

5.1. Block Diagram of Test Setup



5.2. Radiated Limit

FCC Part 15, Subpart B, Class B

Frequency MHz	Distance Meters	Field Strengths Limit	
		$\mu\text{V}/\text{m}$	$\text{dB}(\mu\text{V})/\text{m}$
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0

5.3. Test Procedure

The EUT was placed on a non-conductive table whose total height equaled 80cm. All units of equipment forming the system under test (includes the EUT as well as connected peripherals and associated equipment or devices) shall be arranged such that a nominal 0.1 m separation is achieved between the neighboring units. Where the mains cable supplied by the manufacturer is longer than 1 m, the excess should be folded at the centre into a bundle no longer than 0.4 m, so that its length is shortened to 1 m.

The EUT was set 3 meters away from the receiving antenna that was mounted on a non-conductive mast. The antenna can move up and down between 1 to 4 meters to find out the maximum emission level.

The turntable can rotate 360 degree to determine the position of the maximum emission level.

The initial testing identified the frequency that has the highest disturbance relative to the limit while operating the EUT in typical modes of operation and cable positions in a test setup representative of typical system configuration.

The identification of the frequency of highest emission with respect to the limit was found by investigating emissions at a number of significant frequencies. The probable frequency of maximum emission had been found and that the associated cable and EUT configuration and mode of operation had been identified.

The bandwidth of the Receiver is set at 120 kHz.

Test results were obtained from the following equation:

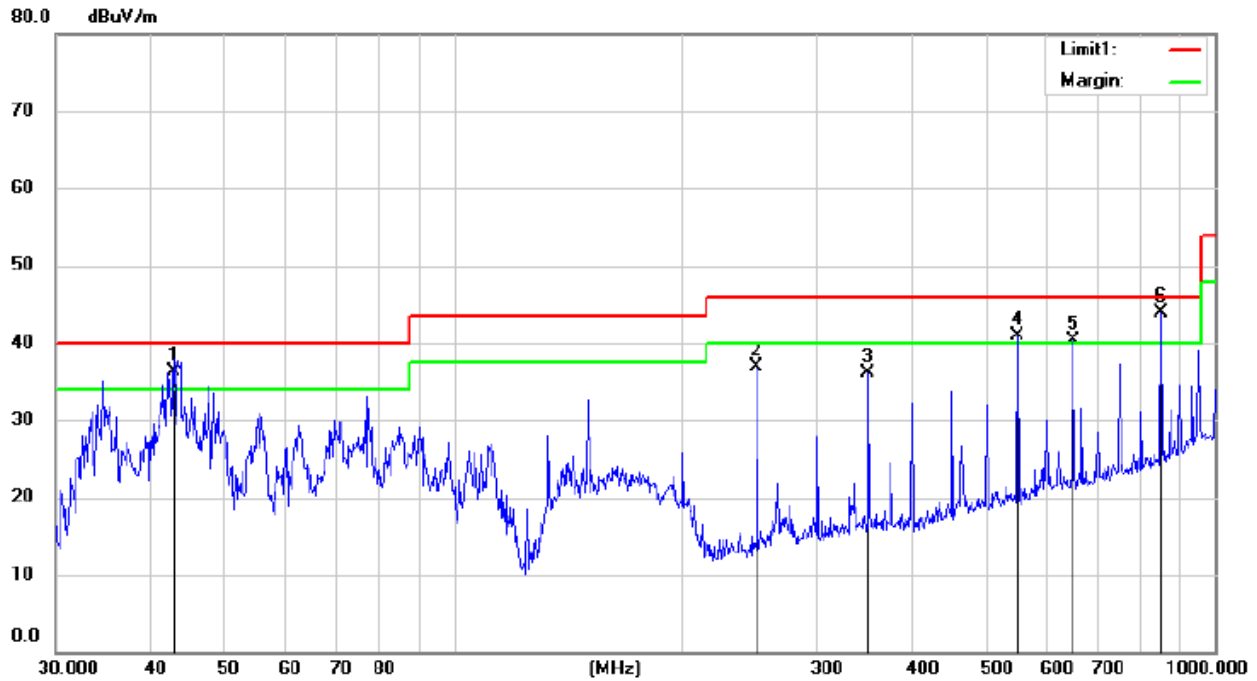
Emission level (dB μ V/m) = Antenna Factor - Amp Factor + Cable Loss + Reading

Margin (dB) = Emission Level (dB μ V/m) - Limit (dB μ V/m)

5.4.Measuring Results

PASS.

Please refer to following pages.



Site 10m Chamber

Polarization: **Vertical**

Temperature: 19 C

Limit: (RE)FCC PART 15 CLASS B

Power: AC 230V/50Hz

Humidity: 51 %

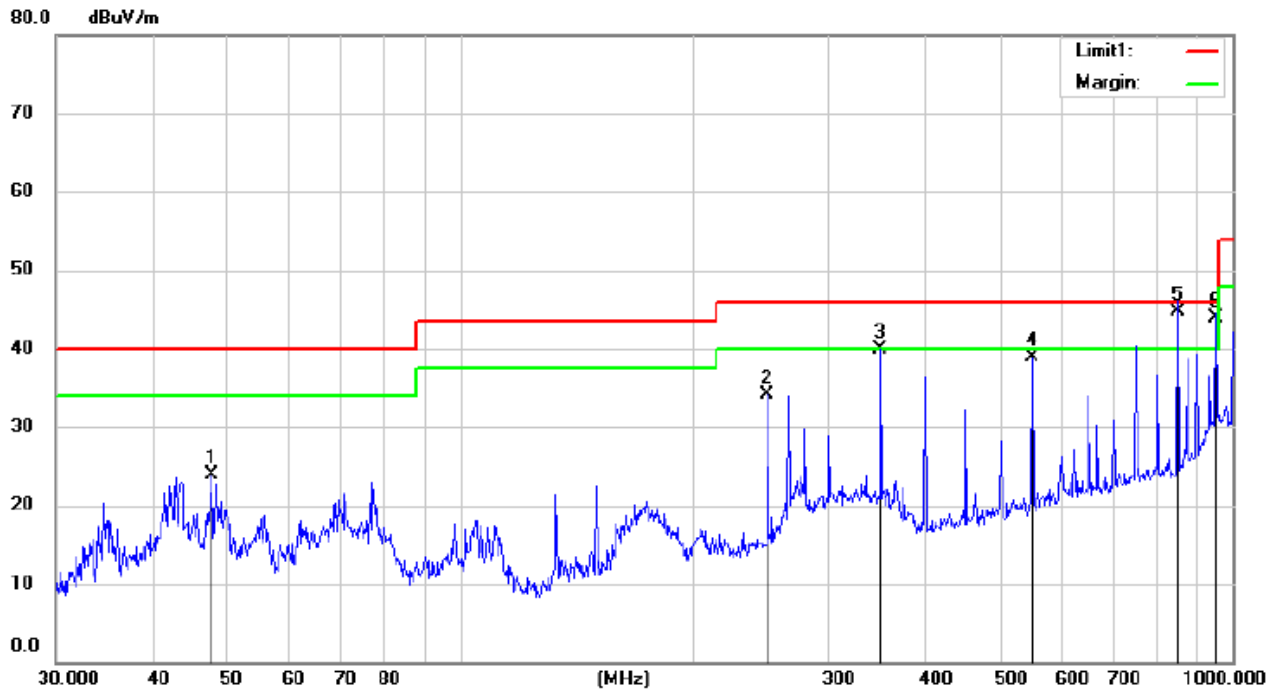
Mode: PC Data Transfer With RJ45 port

Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	!	42.8998	51.02	-14.62	36.40	40.00	-3.60	QP		
2		250.3012	51.25	-14.33	36.92	46.00	-9.08	QP		
3		350.4768	47.45	-11.43	36.02	46.00	-9.98	QP		
4	!	550.9480	48.77	-7.80	40.97	46.00	-5.03	QP		
5	!	651.9417	46.02	-5.65	40.37	46.00	-5.63	QP		
6	*	851.0353	46.76	-2.78	43.98	46.00	-2.02	QP		

*:Maximum data x:Over limit !:over margin

Operator: KK



Site 10m Chamber

Polarization: **Horizontal**

Temperature: 19 C

Limit: (RE)FCC PART 15 CLASS B

Power: AC 120V/60Hz

Humidity: 51 %

Mode:PC Data Transfer With RJ45 port

Note:

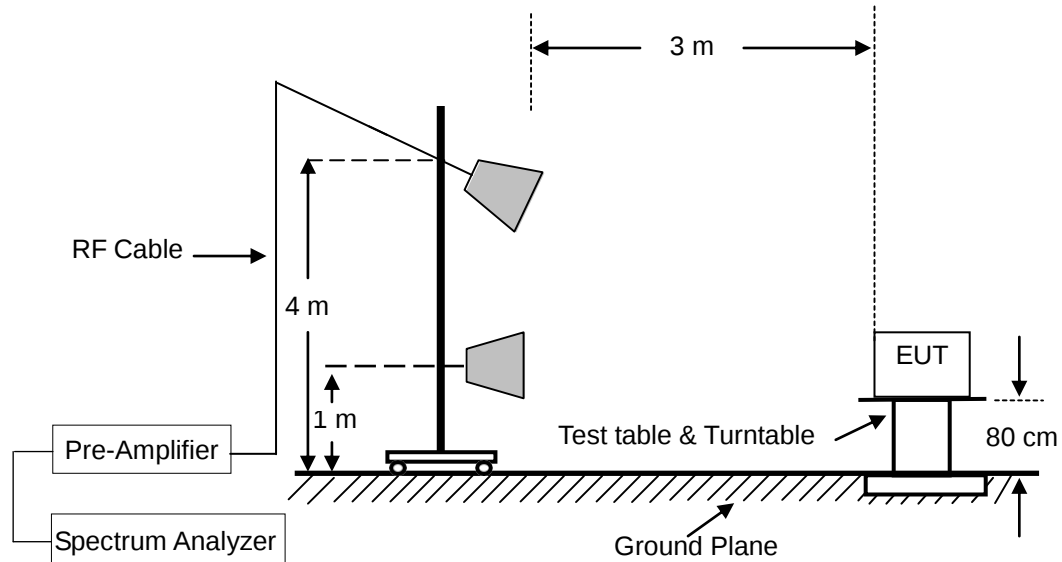
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		47.8260	38.06	-14.19	23.87	40.00	-16.13	QP		
2		250.3012	48.52	-14.33	34.19	46.00	-11.81	QP		
3		350.4768	51.42	-11.43	39.99	46.00	-6.01	QP		
4		550.9480	46.69	-7.80	38.89	46.00	-7.11	QP		
5	*	851.0353	47.58	-2.78	44.80	46.00	-1.20	QP		
6	!	952.0937	44.85	-0.95	43.90	46.00	-2.10	QP		

*:Maximum data x:Over limit !:over margin

Operator: KK

6. RADIATED EMISSION MEASUREMENT (ABOVE 1GHz)

6.1. Block Diagram of Test Setup



6.2. Radiated Limit

FCC Part 15, Subpart B, Class B

Frequency range GHz	Average limit dB(μ V/m)	Peak limit dB(μ V/m)
Above 1000	54	74

Note: The highest internal source of an EUT is defined as the highest frequency generated or used in the device or on which the EUT operates or tunes. If the highest frequency of the internal sources of the EUT is less than 1.705 MHz, the measurement shall only be made up to 30 MHz. If the highest frequency of the internal sources of the EUT is between 1.705 MHz and 108 MHz, the measurement shall only be made up to 1 GHz. If the highest frequency of the internal sources of the EUT is between 108 MHz and 500 MHz the measurement shall only be made up to 2 GHz. If the highest frequency of the internal sources of the EUT is between 500 MHz and 1 GHz, the measurement shall only be made up to 5 GHz. If the highest frequency of the internal sources of the EUT is above 1 GHz, the measurement shall be made up to 5 times the highest frequency or 40 GHz, whichever is less.

6.3. Test Procedure

The EUT was placed on a non-conductive table whose total height equaled 80cm. All units of equipment forming the system under test (includes the EUT as well as connected peripherals and associated equipment or devices) shall be arranged such that a nominal 0.1 m separation is achieved between the neighboring units. Where the mains cable supplied by the manufacturer is longer than 1 m, the excess should be folded at the centre into a bundle no longer than 0.4 m, so that its length is shortened to 1 m.

The EUT was set 3 meters away from the receiving antenna that was mounted on a non-conductive mast. The antenna can move up and down between 1 to 4 meters to find out the maximum emission level.

The turntable can rotate 360 degree to determine the position of the maximum emission level.

The initial testing identified the frequency that has the highest disturbance relative to the limit while operating the EUT in typical modes of operation and cable positions in a test setup representative of typical system configuration.

The identification of the frequency of highest emission with respect to the limit was found by investigating emissions at a number of significant frequencies. The probable frequency of maximum emission had been found and that the associated cable and EUT configuration and mode of operation had been identified.

The frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with peak detector for peak values, and use RBW=1 MHz and VBW=10 Hz with peak detector for Average Values.

Test results were obtained from the following equation:

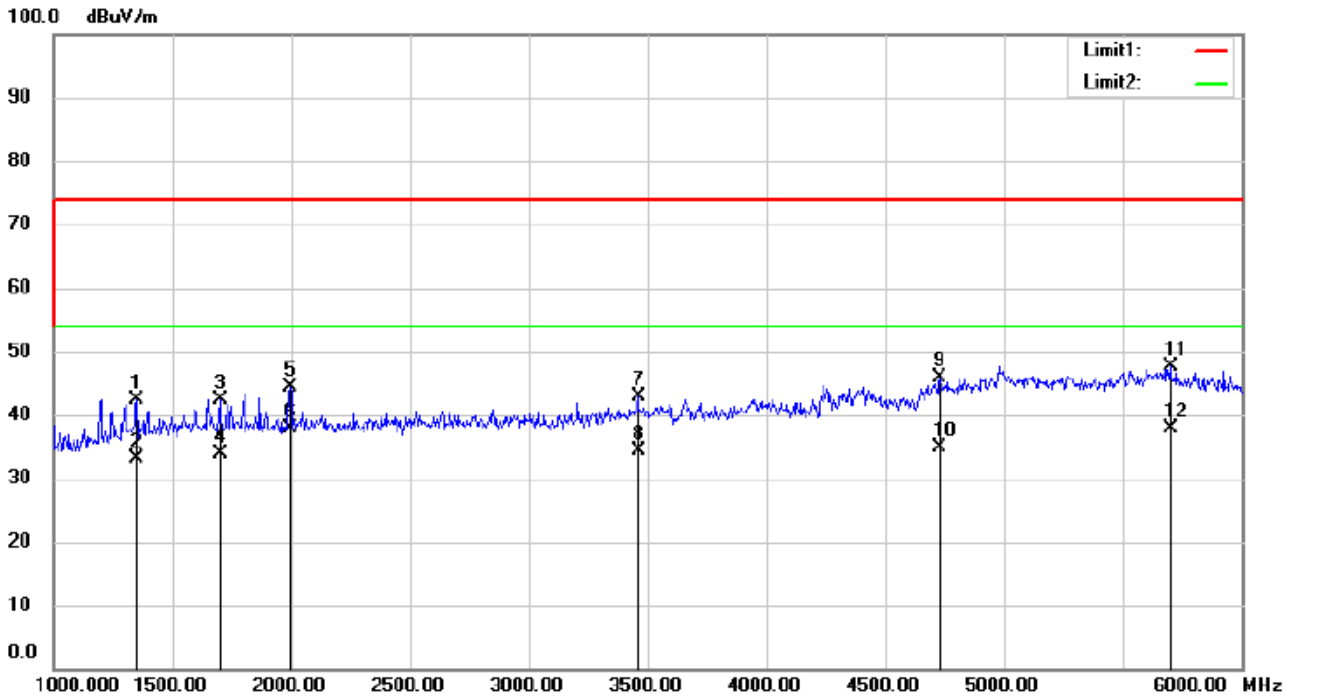
Emission level (dB μ V/m) = Antenna Factor - Amp Factor + Cable Loss + Reading

Margin (dB) = Emission Level (dB μ V/m) - Limit (dB μ V/m)

6.4. Measuring Results

PASS.

Please refer to following pages.

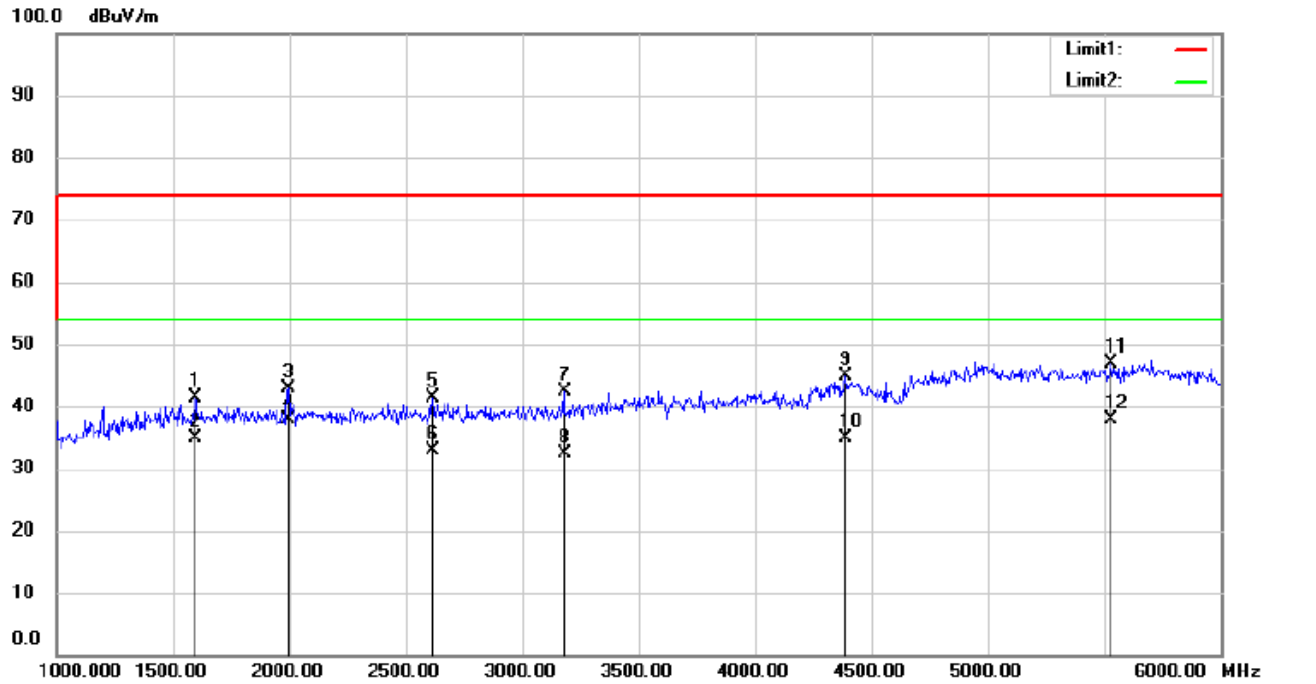


Site 3m Chamber #3 Polarization: **Vertical** Temperature: 23 C
 Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 51 %
 Mode: PC Data Transfer With RJ45 port
 Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree	Comment
1		1350.000	55.48	-13.20	42.28	74.00	-31.72			peak
2		1350.000	46.30	-13.20	33.10	54.00	-20.90			AVG
3		1700.000	54.92	-12.48	42.44	74.00	-31.56			peak
4		1700.000	46.38	-12.48	33.90	54.00	-20.10			AVG
5		1995.000	56.24	-11.90	44.34	74.00	-29.66			peak
6	*	1995.000	49.80	-11.90	37.90	54.00	-16.10			AVG
7		3464.375	50.92	-8.16	42.76	74.00	-31.24			peak
8		3464.375	42.56	-8.16	34.40	54.00	-19.60			AVG
9		4731.250	50.26	-4.43	45.83	74.00	-28.17			peak
10		4731.250	39.23	-4.43	34.80	54.00	-19.20			AVG
11		5702.500	50.82	-3.30	47.52	74.00	-26.48			peak
12		5702.500	41.10	-3.30	37.80	54.00	-16.20			AVG

*:Maximum data x:Over limit !:over margin

Operator: KK



Site 3m Chamber #3 Polarization: **Horizontal** Temperature: 23 C
 Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 51 %
 Mode:PC Data Transfer With RJ45 port
 Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree degree	Comment
1		1599.375	54.05	-12.68	41.37	74.00	-32.63	peak		
2		1599.375	47.48	-12.68	34.80	54.00	-19.20	AVG		
3		1995.000	54.89	-11.90	42.99	74.00	-31.01	peak		
4	*	1995.000	49.70	-11.90	37.80	54.00	-16.20	AVG		
5		2616.250	51.58	-10.25	41.33	74.00	-32.67	peak		
6		2616.250	43.05	-10.25	32.80	54.00	-21.20	AVG		
7		3181.250	51.20	-8.89	42.31	74.00	-31.69	peak		
8		3181.250	41.29	-8.89	32.40	54.00	-21.60	AVG		
9		4390.000	50.05	-5.21	44.84	74.00	-29.16	peak		
10		4390.000	40.11	-5.21	34.90	54.00	-19.10	AVG		
11		5531.250	50.81	-3.87	46.94	74.00	-27.06	peak		
12		5531.250	41.67	-3.87	37.80	54.00	-16.20	AVG		

*:Maximum data x:Over limit !:over margin

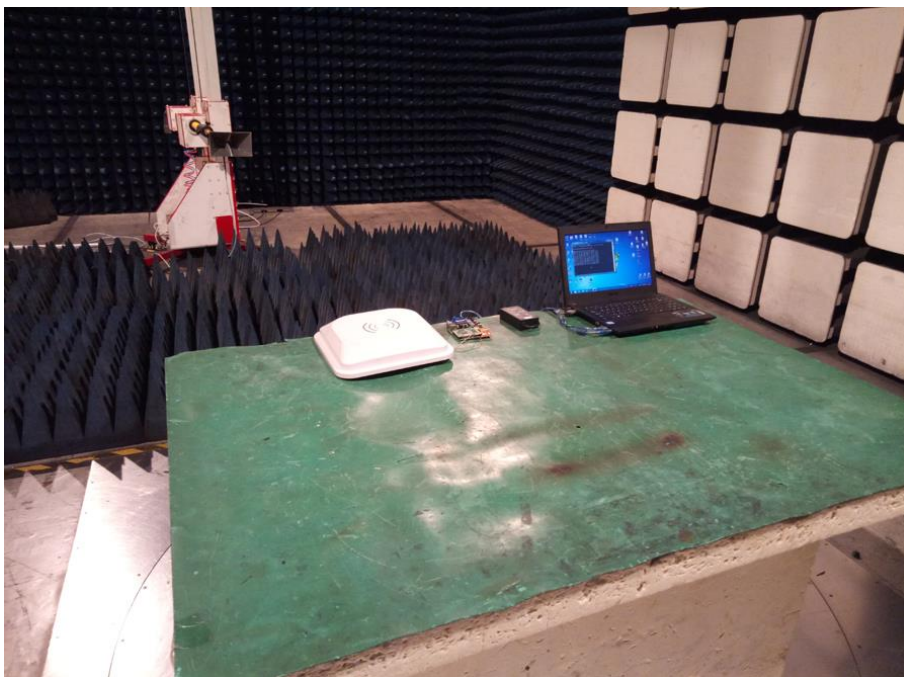
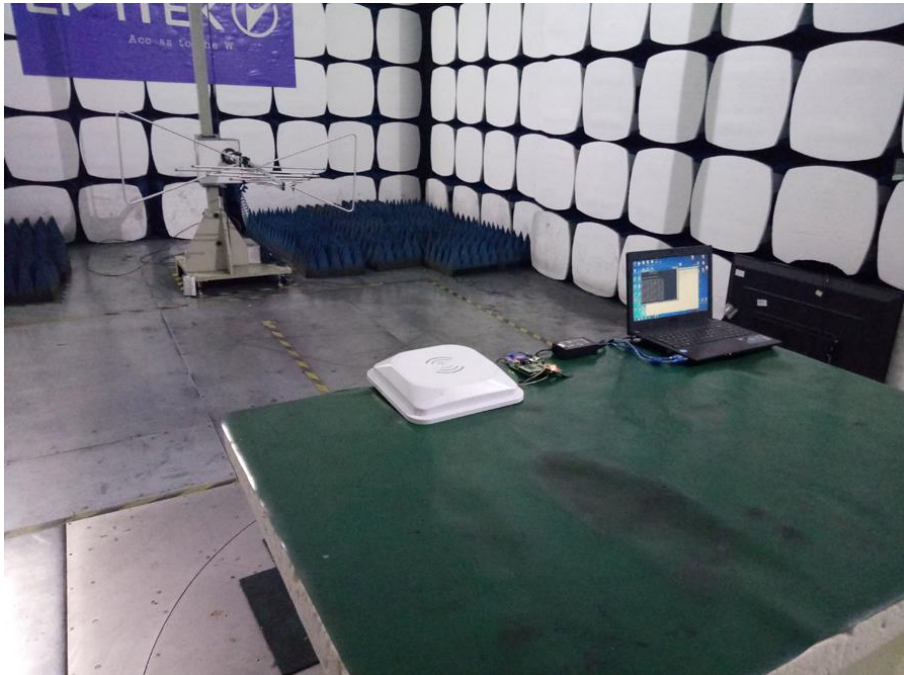
Operator: KK

7. PHOTOGRAPHS

7.1.Photos of Power Line Conducted Emission Measurement



7.2.Photos of Radiation Emission Measurement



APPENDIX A: Label Requirements

(1) Receivers associated with the operation of a licensed radio service, e.g., FM broadcast under part 73 of this chapter, land mobile operation under part 90 of this chapter, etc., shall bear the following statement in a conspicuous location on the device:

This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.

(2) A stand-alone cable input selector switch, shall bear the following statement in a conspicuous location on the device:

This device complies with part 15 of the FCC Rules for use with cable television service.

(3) All other devices shall bear the following statement in a conspicuous location on the device:

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.

APPENDIX B: Warning Statement

(a) For a Class A digital device or peripheral, the instructions furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

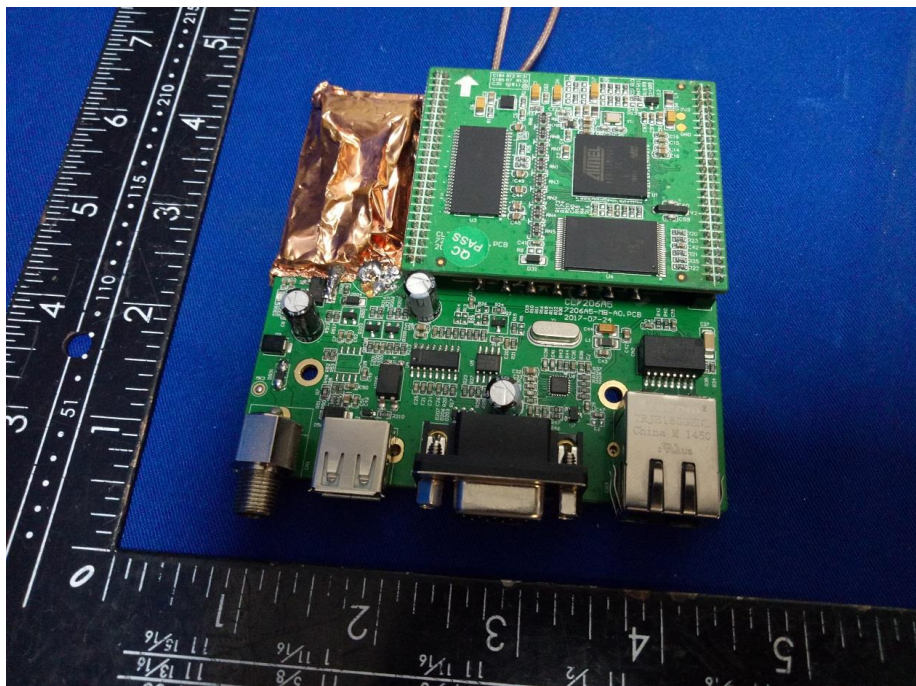
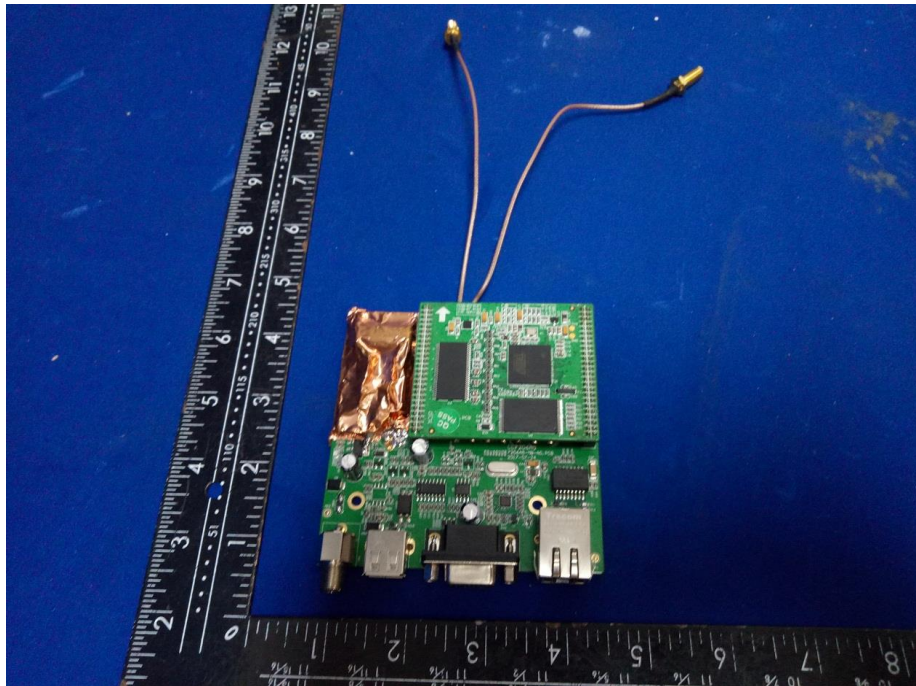
NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

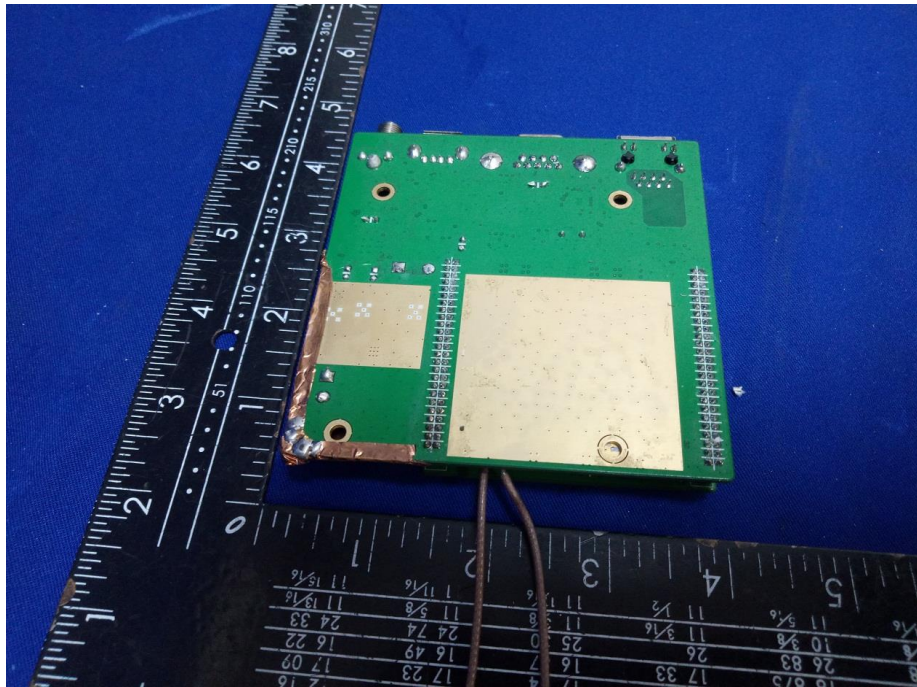
(b) For a Class B digital device or peripheral, the instructions furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

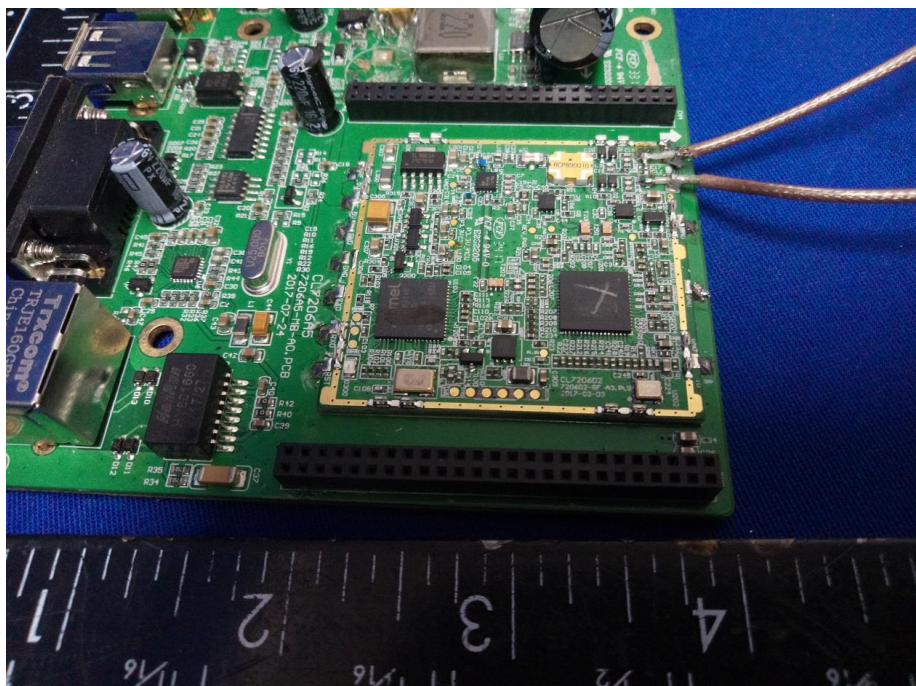
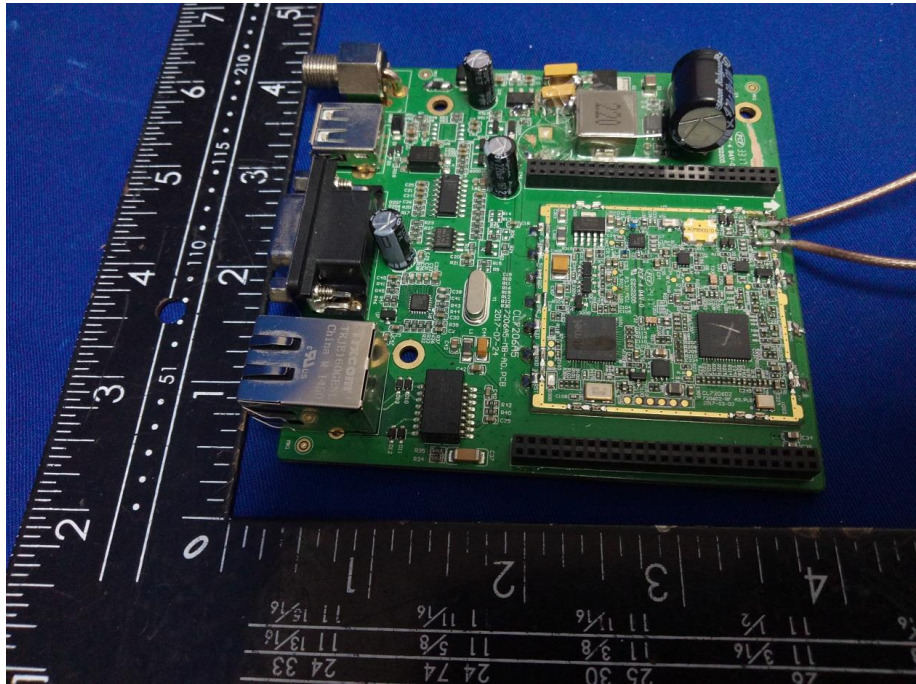
NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

APPENDIX C: Photos of EUT







-----The end-----