# Verification of Compliance

Product Name : Fanless Multi-Touch PPC

Brand Name : AAEON

Model Number : ACP-1103xxx-Ax-xxxx, ACP-1073xxx-Ax-xxxx

(x is 0-9, A-Z," - "or blank)

Applicant : AAEON Technology Inc.

Address 5F, No. 135, Lane 235, Pao Chiao Rd., Hsin-Tien Dist.,

New Taipei City 23145, Taiwan, R.O.C

Report Number : S1F-A600-1307-006

Issue Date : October 21, 2013

Applicable Standards: FCC Part 15, Subpart B Class A ITE

ANSI C63.4:2009

Industry Canada ICES-003 Issue 5 CSA-IEC CISPR22-10 Class A ITE

One sample of the designated product has been tested in our laboratory and found to be in compliance with the FCC rules cited above.





NVLAP LAB CODE 200575-0

TAF 0905
FCC CAB Code TW1053
IC Code 4699A
VCCI Accep. No. R-1527, C-1609, T-1441, G-10,
C-4400, T-1334, G-614



Central Research Technology Co.

EMC Test Laboratory 11, Lane41, Fushuen St., Jungshan Chiu, Taipei, Taiwan, 104, R.O.C.

Tel: 886-2-25984568 Fax: 886-2-25984546

J. Y. Elf

(Tsun-Yu Shih/ General Manager)

Date: October 21, 2013

# **FCC Test Report**

for

#### **Fanless Multi-Touch PPC**

Trade Name : AAEON

Model Number : ACP-1103xxx-Ax-xxxx,

ACP-1073xxx-Ax-xxxx

(x is 0-9,A-Z," - "or blank)

Report Number: S1F-A600-1307-006

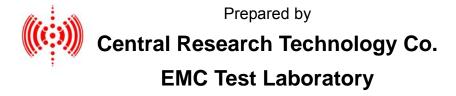
Date of Receipt: July 18, 2013

Date of Report : October 21, 2013

Prepared for

### **AAEON Technology Inc.**

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11, Lane 41, Fushuen St., Jungshan Chiu, Taipei, Taiwan, 104, R.O.C.



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# Verification of Compliance

**Equipment Under Test** : Fanless Multi-Touch PPC

Model No. : ACP-1103xxx-Ax-xxxx, ACP-1073xxx-Ax-xxxx

(x is 0-9,A-Z," - "or blank)

**Applicant** : AAEON Technology Inc.

**Address** : 5F, No. 135, Lane 235, Pao Chiao Rd., Hsin-Tien Dist.,

New Taipei City 23145, Taiwan, R.O.C

Applicable Standards : FCC Part 15, Subpart B Class A ITE

ANSI C63.4:2009

**Industry Canada ICES-003 Issue 5** 

**CSA-IEC CISPR22-10 Class A ITE** 



Report No.: S1F-A600-1307-006

Date of Testing : October 12~17, 2013(For Sample 2)

July 19~30, 2013(For Sample 1)

Deviation : N/A

**Condition of Test Sample**: Engineering Sample

We, Central Research Technology Co., hereby certify that one sample of the designated product was tested in our facility during the period mentioned above. The test records, data evaluation and Equipment Under Test (EUT) configurations shown in the present report are true and accurate representation of the measurements of the sample's EMC characteristics under the conditions herein specified.

The test results show that the EUT as described in the present report is in compliance with the requirements set forth in the standards mentioned above and apply to the tested sample identified in the present report only. The test report shall not be reproduced, except in its entirety, without the written approval of Central Research Technology Co.

: Rosa Hsieh/System Executive), DATE: Otober 1, 2013 PREPARED BY

: J. Y. Ell. DATE: Oct. >1, 2013 APPROVED BY

TEL.: 886-2-25984542 FAX.: 886-2-25984546 Page: 2 / 45

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## 1. General Description

#### 1.1 General Description of EUT

Equipment Under Test : Fanless Multi-Touch PPC

Model No. : ACP-1103xxx-Ax-xxxx, ACP-1073xxx-Ax-xxxx

(x is 0-9,A-Z," - "or blank)

Power in : Supplied by the power adapter

Power Adapter Specification : Trade Name : FSP

Model No. : FSP060-DBAE1

Input : 100-240V~ 1.5A, 50-60Hz

Output: 12Vdc, 5A Max

Highest Operating Frequency : 1.6GHz from the test specification

Manufacturer : AAEON Technology Inc.

Function Description :

The EUT are engineering samples of the Fanless Multi-Touch PPC. Please refer to the user's manual for the details.

The I/O ports of EUT are listed below:

No.	I/O Port Type	Quantity
1	RS232 / RS422 / RS485 port	3
2	USB port	4
3	LAN port	1
4	MINI HDMI port	1

#### **Test Mode** 1.2

There are two test samples shown as below.

Test Sample	Panel Size	Display Resolution	Test Item
Sample 1	10" Panel	1280*800@75Hz	All tests
Sample 2	7" Panel	1024*600@75Hz	Radiated Emission (30MHz~1GHz)

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## 1.3 Applied standards

According to the specifications of the manufacturer and the requirements set in 47CFR Part 15, the applied standards to evaluate the compliance of the EUT are as following, and the measurement procedures specified in ANSI C63.4: 2009 are performed.

According to 47CFR Part 15 Section 15.33(b), the test frequency range of radiated emission measurements are listed below and the EUT herein shall be tested as:

Type of EUT	Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
	Below 1.705	30
	1.705 - 108	1000
	108 - 500	2000
	500 - 1000	5000
		5 <sup>th</sup> harmonic of the highest
	Above 1000	frequency or 40GHz,
		whichever is lower

All the test items are as following:

Applied Standards	Test Items	Results
FCC Part 15, Subpart B	☑ Conducted Emission Measurement	<u>PASS</u>
Class A ITE	☑ Radiated Emission Measurement	<u>PASS</u>

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## 1.4 Test Setup for the EUT

The EUT is an unique unit connected with other necessary accessories and support units listed in the next section. It has been tested against each standard after the following steps:

- a. Connect the EUT and all the support units to the appropriate power source.
- b. Turn on the EUT and all the accessories and support units.
- c. The EUT load an EMC test software and execute it under the Windows environment.
- d. The EUT sends "H" patterns to the monitor, which fills the whole screen of it.
- e. The EUT reads/writes messages from/to USB Flash Disk continuously.
- f. The EUT sends message to modem.
- g. Another PC sends/receives messages to/from the EUT through a Hub by executing the command of "PING".
- h. Repeat and keep the setup steps listed above before and during all tests.

EUT I/O ports / Peripherals	Exerciser Program (software)	Version of Program
EUT		
Monitor	BurnIn Test.exe	V 7.0
USB Flash Disk	Barriiri reedlexe	
Modem		

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# 1.5 The Support Units

#### **Conducted Emission Test**

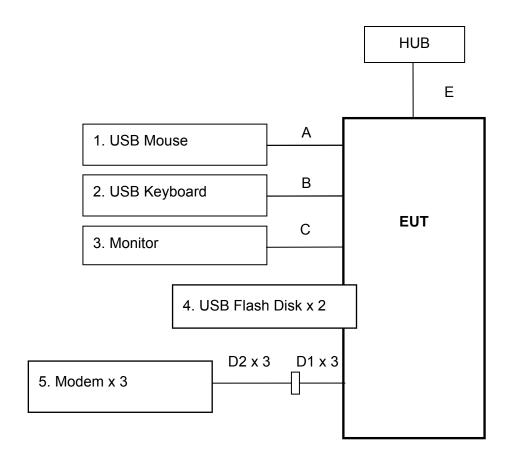
No.	Unit	Model No.	FCC ID	Trade Name	Power Cord	Supported by lab.
1	USB Mouse	MO56UC	DoC	DELL	N/A	✓
2	USB Keyboard	SK-8115	DoC	DELL	N/A	✓
3	Monitor	U2410	DoC	DELL	1.8m	✓
4	USB Flash Disk	U172	DoC	PQI	N/A	✓
5	Modem	DM-1414	IFAXDM1414	ACEEX	1.8m	✓

#### **Radiated Emission Test**

No.	Unit	Model No.	FCC ID	Trade	Power	Supported
NO.			FCCID	Name	Cord	by lab.
1	USB Mouse	MS111-P	N/A	DELL	N/A	✓
2	USB Keyboard	SK-8115	DoC	DELL	N/A	✓
3	Monitor	U2410	DoC	DELL	1.8m	✓
4	USB Flash Disk	U172	DoC	PQI	N/A	✓
5	Modem	DM-1414	IFAXDM1414	ACEEX	1.8m	✓

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# 1.6 Layout of the Setup



# **Connecting Cables:**

No.	Cable	Length	Shielded	Core	Shielded Backshell	Supported by lab.	Note
Α	USB Mouse Cable	1.8m	<b>✓</b>			✓	
В	USB Keyboard Cable	1.8m	✓			✓	
С	Mini HDMI to HDMI Cable	2.0m	<b>✓</b>			✓	
D1	DC222 Cable	0.16m	<b>✓</b>				
D2	RS232 Cable	1.8m	✓	✓		✓	2 cores
Е	LAN Cable	1.8m				✓	

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# 1.7 Test Capability

## **Test Facility**

The test facility used for evaluating the conformance of the EUT with each standard in the present report meets what required in CISPR16-1-4, CISPR16-2-3 and ANSI C63.4: 2009.

Test Room	Type of Test Room	Descriptions
TR1	10m semi-anechoic chamber (23m $\times$ 14m $\times$ 9m)	Complying with the NSA and the site VSWR requirements in documents
TR1	3m fullly-anechoic chamber (23m $\times$ 14m $\times$ 9m)	CISPR 22 and ANSI C63.4: 2009. for the radiated emission measurement.
TR11	3m semi-anechoic chamber $(9m \times 6m \times 6m)$	Complying with the NSA requirements in documents CISPR 22 for the radiated emission measurement.
TR5	Shielding Room $(8m \times 5m \times 4m)$	For the conducted emission
TR4	Shielding Room (5m×3m×3m)	measurement.

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## **Test Laboratory Competence Information**

Central Research Technology Co. has been accredited / filed / authorized by the agencies listed in the following table.

Certificate	Nation	Agency	Code	Mark
	USA	NVLAP	200575-0	ISO/IEC 17025
	R.O.C. (Taiwan)	TAF	0905	ISO/IEC 17025
Accreditation Certificate	R.O.C. (Taiwan)	BSMI	SL2-IN-E-0033, SL2-IS-E-0033, SL2-R1/R2-E-0033, SL2-A1-E-0033 SL2-L1-E-0033	ISO/IEC 17025
	USA	FCC	474046,TW1053	Test facility list & NSA Data
Site Filing Document	Canada	IC	4699A-1,-3	Test facility list & NSA Data
	Japan	VCCI	R-1527,C-1609, C-4400, T-1441, T-1334, G-10, G-614	Test facility list & NSA Data
Authorization	Germany	TUV	10021687	ISO/IEC 17025
Certificate	Norway	Nemko	ELA 212	ISO/IEC 17025

The copy of each certificate can be downloaded from our web site: www.crc-lab.com

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#### 2. Conducted Emission Measurement

Test Result : PASS

#### 2.1 Limits for Emission Measurement

### ☑ Limits for conducted disturbances at the power mains

Frequency	Class A E	quipment	Class B Equipment		
(MHz)	Quasi-peak	Average	Quasi-peak	Average	
(IVII IZ)	(dBµV)	(dBµV)	(dBµV)	(dBµV)	
0.15 to 0.5	79	66	66 – 56	56 – 46	
0.5 to 5	73	60	56	46	
5 to 30	73	60	60	50	

Note 1- The lower limit shall apply at the transition frequency.

Note 2- The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5MHz for Class B equipment.

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#### 2.2 Test Instruments

Test Site and	Manufacturer	Model No./	Last	Calibration	
Equipment	Manufacturer	Serial No.	<b>Calibration Date</b>	Due Date	
Test Receiver	R&S	ESCS 30/	Jan. 14, 2013	Jan. 14, 2014	
rest Receiver	Καδ	836858/021	Jan. 14, 2013		
LISN	R&S	ESH2-Z5/	March 15, 2013	March 15, 2014	
LION	Κασ	880669/039	Watch 15, 2015	Maicii 15, 2014	
2 <sup>nd</sup> LISN	R&S	ENV4200/	March 29, 2013	March 20, 2014	
Z LISIN	Καδ	833209/010	Watch 29, 2013	March 29, 2014	
50Ω terminator	N/A	N/A/	Aug. 20, 2012	Aug. 20, 2013	
5012 terminator		001	Aug. 20, 2012		
RF Switch	R&S	RSU28/	Feb. 19, 2013	Aug. 19, 2013	
KF SWILCH		338965/002	Feb. 19, 2013		
RF Cable	le N/A	N/A/	Feb. 19, 2013	Aug. 10, 2012	
IXI Cable	IN/A	C0052 ~ 56	1 60. 19, 2013	Aug. 19, 2013	
Test Software	Audix	e3/	NCR	NCD	
iest Soltwale	Audix	Ver. 5.2004-2-19k	INCIX	NCR	
TR5	ETS	TR5/	NCR	NCP	
shielded room	LINDGREN	15353-F	INOIN	NCR	

#### Note:

1. The calibrations are traceable to NML/ROC.

2. NCR: No Calibration Required.

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# **Measurement Uncertainty**

The assessed measurement uncertainty with a suitable coverage factor K to ensure 95% confidence level for the normal distribution are shown as below, the values are less than  $U_{cispr}$  in table 1 of CISPR 16-4-2.

Equipment	Model Number	Uncertainty Value
LISN	ESH2-Z5	3.1dB
LIOIN	ENV 4200	2.7dB

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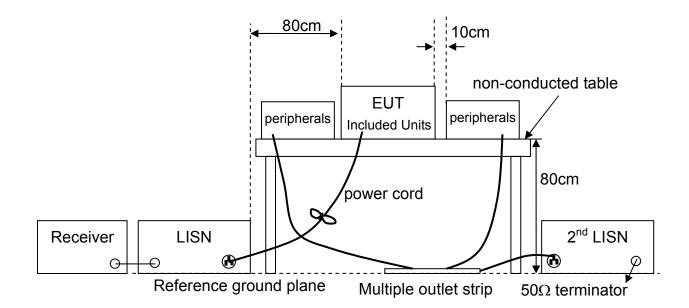
#### **Test Procedures** 2.3

- a. The EUT was set up per the test configuration figured in the next section of this chapter to simulate the typical usage per the user's manual.
- b. If the EUT is tabletop equipment, it was placed on a non-conducted table with a height of 0.8 meters above the reference ground plane and 0.4 meters from the conducting wall of the shielded room. Also if the EUT is floor-standing equipment, it was placed on a non-conducted support with a height of 12 millimeters above the reference ground plane.
- c. Connect the EUT's power source to the appropriate power mains through the LISN.
- d. All the other peripherals are connected to the 2<sup>nd</sup> LISN, if any.
- e. The LISN was placed 0.8 meters from the EUT and at least 0.8 meters from other units and other metal planes.
- f. Measure the conducted emissions on each power line (Neutral Line and Line 1 Hot side) of the EUT's power source by using the test receiver connected to the coupling RF output port of LISN.
- g. Rapidly scan the signal from 150kHz to 30MHz by using the receiver through the Maximum-Peak detector to determine those frequencies associated with higher emission levels for each measured line.
- h. Then measure the maximum level of conducted disturbance for each frequency found from step g. by using the receiver through the Quasi-Peak and Average detectors per CISPR 16-1.
- Record the level for each frequency and compare with the required limit.

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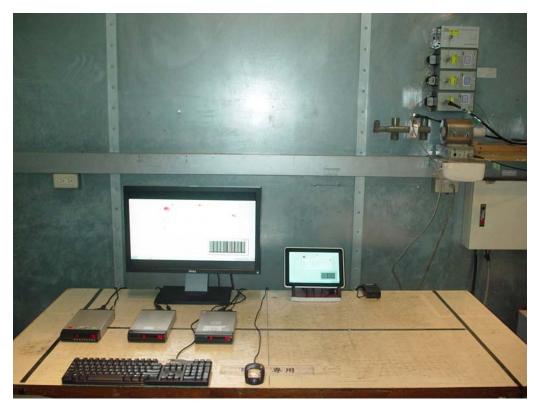
11, Lane 41, Fushuen St., Jungshan Chiu, Taipei, Taiwan, 104, R.O.C.

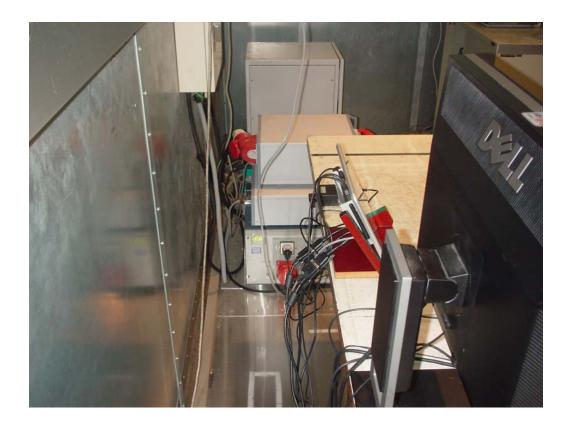
# 2.4 Test Configurations



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#### **Photographs of the Test Configurations** 2.5 Sample 1





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#### 2.6 Test Results

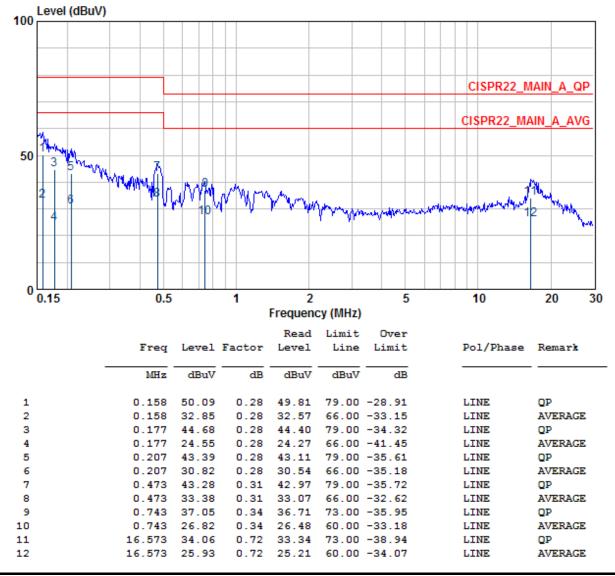
Test Sample : Sample 1

**Test Voltage**: 120V/60Hz to the power adapter

Tester : Kent Temperature : 26°C

Humidity: 68%RH Frequency Range: 150kHz~30MHz

IF Bandwidth: 9kHz Phase : Line



#### Note:

- 1. Emission Level = reading value + correction factor.
- Correction factor = cable loss + insertion loss of LISN.
- 3. Q.P. is abbreviation of quasi-peak.

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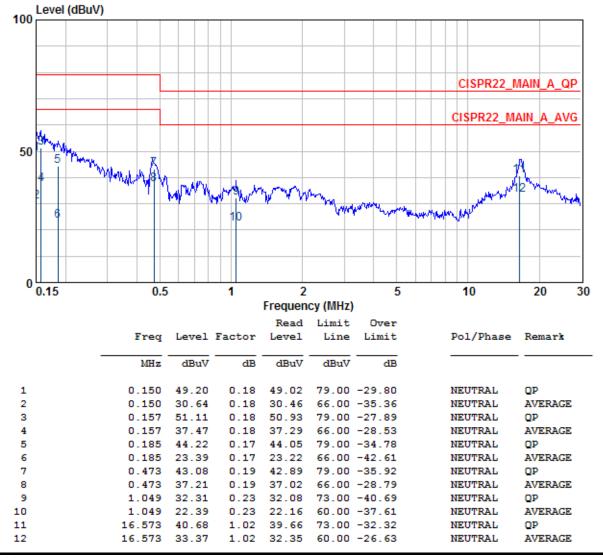
Test Sample : Sample 1

**Test Voltage**: 120V/60Hz to the power adapter

**Tester**: Kent **Temperature**: 26°C

Humidity: 68%RH Frequency Range: 150kHz~30MHz

IF Bandwidth: 9kHz Phase: Neutral



#### Note:

- 1. Emission Level = reading value + correction factor.
- Correction factor = cable loss + insertion loss of LISN.
- 3. Q.P. is abbreviation of quasi-peak.

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#### 3. Radiated Emission Measurement

Test Result : PASS

#### 3.1 Limits for Emission Measurement

#### ☑ Limits for radiated disturbances below 1000MHz

Frequency	Class A Equipment (10m distance)	Class B Equipment (3m distance)	
(MHz)	Quasi-peak	Quasi-peak	
	(dBµV/m)	(dBµV/m)	
30 to 88	39.1	40	
88 to 216	43.5	43.5	
216 to 960	46.4	46	
960 to 1000	49.5	54	

Note 1- The lower limit shall apply at the transition frequency.

Note 3- According to 15.109(g), as an alternative to the radiated emission limits shown above, digital devices may be shown to comply with the standards (CISPR), Pub. 22 shown as below.

actions may b	actions may be shown to dempty than the standards (e.e. 17), 1 as: 22 shown as below.							
30 to 230	40	30						
230 to 1000	47	37						

# ☑ Limits for radiated disturbances above 1000MHz at a measuring distance of 3m

Frequency (GHz)	Class A Ed	uipment	Class B Equipment		
	Peak	Average	Peak	Average	
	(dBµV/m)	(dBµV/m)	(dBµV/m)	(dBµV/m)	
1 to 40	80	60	74	54	

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Note 2- Additional provisions may be required for cases where interference occurs.

#### 3.2 Test Instruments

#### **☑** For Measurement below 1000MHz

Test Site and	Manufacturer	Model No./	Model No./ Last		
Equipment	Manufacturer	Serial No.	<b>Calibration Date</b>	Due Date	
EMI Test	R&S	ESCS 30/	Sept. 9, 2013	Sept. 9, 2014	
Receiver	Νάδ	836858/020	3ept. 9, 2013	ο <del>ε</del> μι. 9, 2014	
Broadband	R&S	HL-562/	March 27, 2013	March 27, 2014	
Antenna	1100	360543/007	Waren 27, 2010	Widi Gii 27, 2014	
Broadband	R&S	HL-562/	April 30, 2013	April 30, 2014	
Antenna	NOO	830547/010	April 50, 2015	April 50, 2014	
Pre-Amplifier	Mini Circuit	ZKL-2/	July 15, 2013	Jan. 15, 2014	
1 To 7 arriplinion	Will Official	001	outy 10, 2010	Jan. 13, 2014	
Dec Amerilian	Mini Cinavit	ZKL-2/	July 15, 2013	Jan. 15, 2014	
Pre-Amplifier	Mini Circuit	002	July 13, 2013	Jan. 13, 2014	
Spectrum		FSP40/	1 1 15 0010		
Analyzer	R&S	100031	July 15, 2013	July 15, 2014	
Spectrum		FSP7/			
Analyzer	R&S	100384	Jan. 3, 2013	Jan. 3, 2014	
Analyzei		0214/			
RF Cable	JYEBAO	C0049	July 15, 2013	Jan. 15, 2014	
		0214/			
RF Cable	JYEBAO	C0050	July 15, 2013	Jan. 15, 2014	
		e3/			
Test Software	Audix	Ver. 4.3.714.e	NCR	NCR	
		VOI. 7.0.7 17.C			
TR1 Semi -	ETS.	TR1/ 17627-B	May 4, 2013	May 4, 2014	
anechoic Chamber	LINDGREN	11(1/ 1/02/-0	Iviay 4, 2013	IVIAY 4, 2014	

#### Note:

- 1. The calibrations are traceable to NML/ROC.
- 2. NCR: No Calibration Required.
- 3. The calibration date of the semi-anechoic chamber listed above is the date of NSA measurement.

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#### ☑ For Measurement above 1000MHz

Test Site and Equipment	Manufacturer	Model No./ Serial No.		Last Calibration Date	Calibration Due Date
Horn Antenna	EMCO	3117/ 00082847		March 5, 2013	March 5, 2014
Bore-sight Antenna Mast	Sunol		TLT2/ 051110-5	NCR	NCR
	KMIC		KMA010180A01/ 99056	Oct. 19, 2012	Oct. 19, 2013
Pre-Amplifier	MITEQ	V	JS4-00101800- 28-10P/1498979	Dec. 21, 2012	Dec.21, 2013
			JS4-00101800- 28-5A/742309	Dec. 19, 2012	Dec. 19, 2013
Spectrum Analyzer	R&S	FSP40/ 100031		July 15, 2013	July 15, 2014
RF Cable	Suhner	Sucoflex 106P / C0091 + C0092		April 17, 2013	Oct. 17, 2013
Test Software	Audix	e3/ Ver. 4.3.714.e		NCR	NCR
TR1 Fully - anechoic Chamber	ETS. LINDGREN	TR1/ 17627-B		Feb. 23, 2013	Feb. 23, 2014

#### Note:

- 1. The calibrations are traceable to NML/ROC.
- 2. NCR: No Calibration Required.
- 3. The calibration date of the chamber TR1 listed above is the date of site VSWR measurement.

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## **Measurement Uncertainty**

The assessed measurement uncertainty with a suitable coverage factor K to ensure 95% confidence level for the normal distribution are shown as below, the values are less than  $U_{cispr}$  in table 1 of CISPR 16-4-2.

Test Site	Polarization	Frequency Range		
(Measuring distance)	1 Olarization	30MHz ~200MHz	200MHz ~1000MHz	
TR1(10m)	Horizontal	3.7dB	3.7dB	
Trent tolling	Vertical	3.5dB	3.9dB	
TR11(3m)	Horizontal	3.3dB	3.8dB	
Tixti(oiii)	Vertical	4.1dB	5.1dB	

Test Site	Polarization	Frequency Range		
(Measuring distance)	1 Glarization	1GHz ~6GHz	6GHz ~18GHz	
TR1(3m)	Horizontal	4.8dB	4.9dB	
(611)	Vertical	4.8dB	4.8dB	

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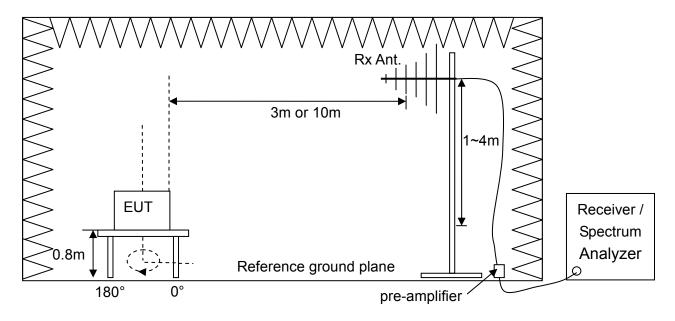
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#### 3.3 Test Procedures

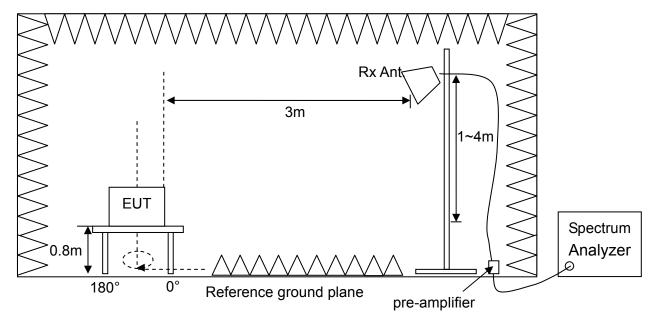
- a. The EUT was set up per the test configuration figured in the next section of this chapter to simulate the typical usage per the user's manual.
- b. If the EUT is tabletop equipment, it was placed on a non-conducted table with a height of 0.8 meters above the reference ground plane in the semi-anechoic chamber. If the EUT is floor-standing equipment, it was placed on a nonconducted support with a height of 12 millimeters above the reference ground plane in the semi-anechoic chamber.
- c. For the measurement of frequency below 1000MHz, the EUT was set 10m away from the interference receiving antenna for the limit of Class A equipment or CISPR 22. For Class B equipment and the measurement of frequency above 1000MHz, the EUT was set 3m away from the interference receiving antenna.
- d. Rapidly sweep the signal in the test frequency range by using the spectrum through the Maximum-peak detector.
- e. Rotate the EUT from 0° to 360° and position the receiving antenna at heights from 1 to 4 meters above the reference ground plane continuously to determine at least six frequencies associated with higher emission levels and record them.
- f. For measurement of frequency above 1000MHz, the beamwidth of receiving horn antenna should keep covering EUT when the receiving horn antenna height varied.
- g. Then measure each frequency found from step e. by using the spectrum with rotating the EUT and positioning the receiving antenna height to determine the maximum level.
- h. Finely tune the antenna and turntable around the recorded position of each frequency found from step f.
- For measurement of frequency below 1000MHz, set the receiver detector to be Quasi-Peak per CISPR 16-1 to find out the maximum level occurred.
- For measurement of frequency above 1000MHz, set the spectrum detector to be Peak or Average to find out the maximum level occurred, if any.
- k. Record frequency, azimuth angle of the turntable, height, and polarization of the receiving antenna and compare the maximum level with the required limit.
- I. Change the receiving antenna to another polarization to measure radiated emission by following step d. to k. again.
- m. If the peak emission level measured from step e. is 4dB lower than the limit specified, then the emission values presented will be the peak value only. Otherwise, accurate Q.P. value will be measured and presented.

# 3.4 Test Configurations

#### Radiated Emission Measurement below 1000MHz

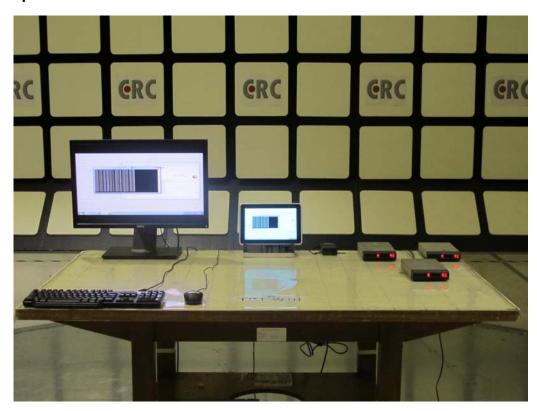


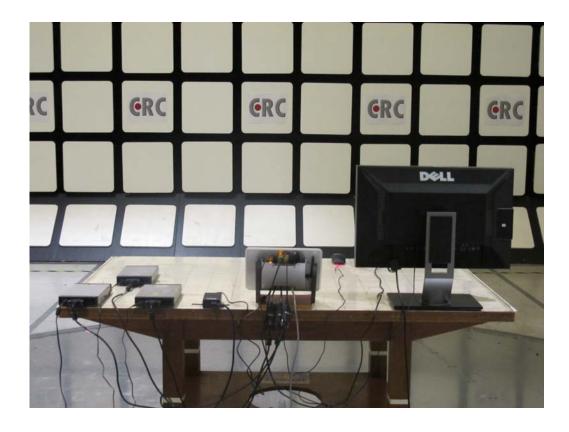
#### Radiated Emission Measurement above 1000MHz



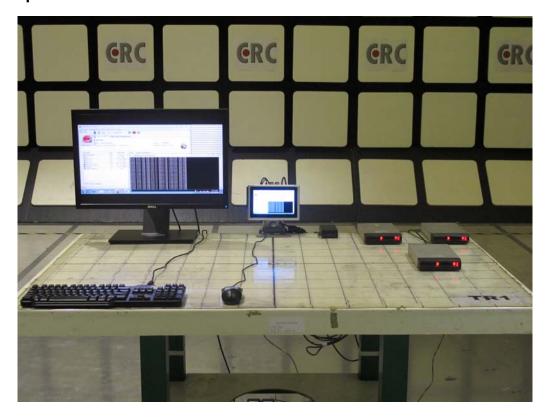
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# 3.5 Photographs of the Test Configurations Sample 1





Sample 2





#### 3.6 Test Results

#### Radiated Emission Measurement below 1000MHz

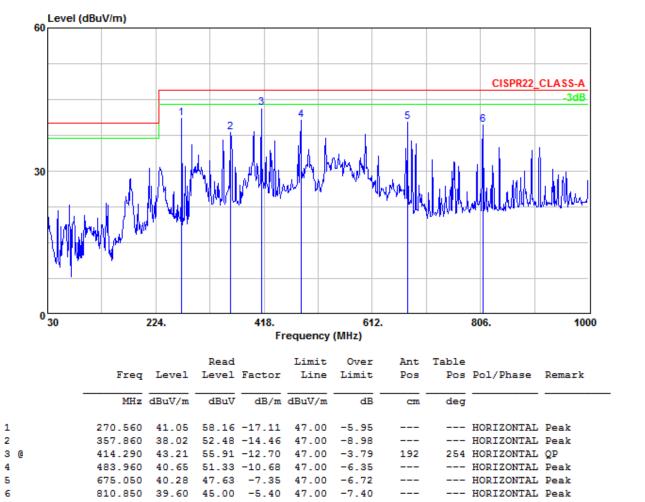
Test Sample: Sample 1

**Test Voltage**: 120V/60Hz to the power adapter

**Tester**: Meng **Temperature**: 26°C

Humidity: 71%RH Frequency Range: 30MHz~1GHz

IF Bandwidth: 120kHz Polarization: Horizontal



#### Note:

- 1. Emission Level = reading value + correction factor.
- 2. Correction factor = cable loss + antenna factor gain of pre-amplifier.
- 3. Q.P is abbreviation of quasi-peak.

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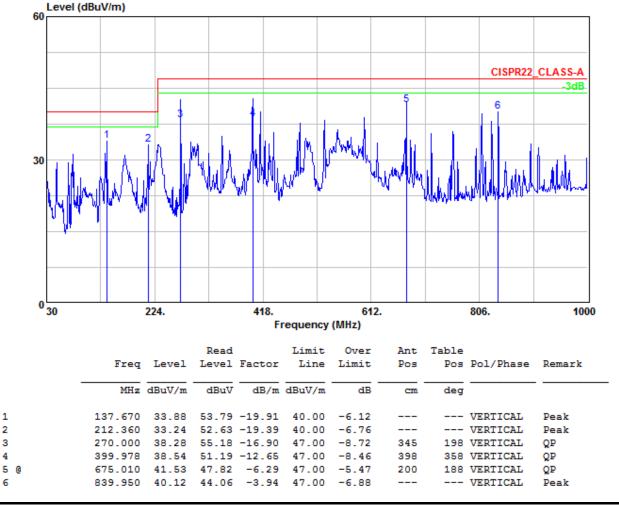
**Test Sample** Sample 1

**Test Voltage** 120V/60Hz to the power adapter

**Tester Temperature** 26°C Meng

**Humidity** 71%RH **Frequency Range** 30MHz~1GHz

IF Bandwidth: 120kHz **Polarization Vertical** 



#### Note:

3

6

- 1. Emission Level = reading value + correction factor.
- Correction factor = cable loss + antenna factor gain of pre-amplifier. 2.
- Q.P is abbreviation of quasi-peak.

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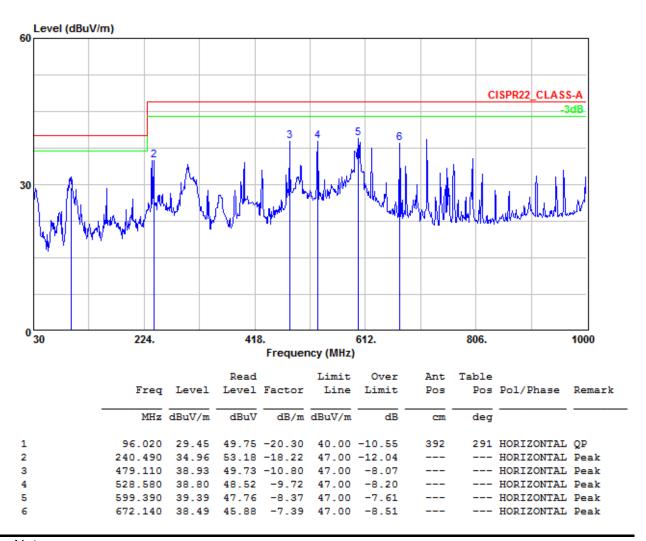
Test Sample : Sample 2

**Test Voltage**: 120V/60Hz to the power adapter

**Tester**: Meng **Temperature**: 26°C

Humidity: 71%RH Frequency Range: 30MHz~1GHz

IF Bandwidth: 120kHz Polarization: Horizontal



#### Note:

- 1. Emission Level = reading value + correction factor.
- 2. Correction factor = cable loss + antenna factor gain of pre-amplifier.
- 3. Q.P is abbreviation of quasi-peak.

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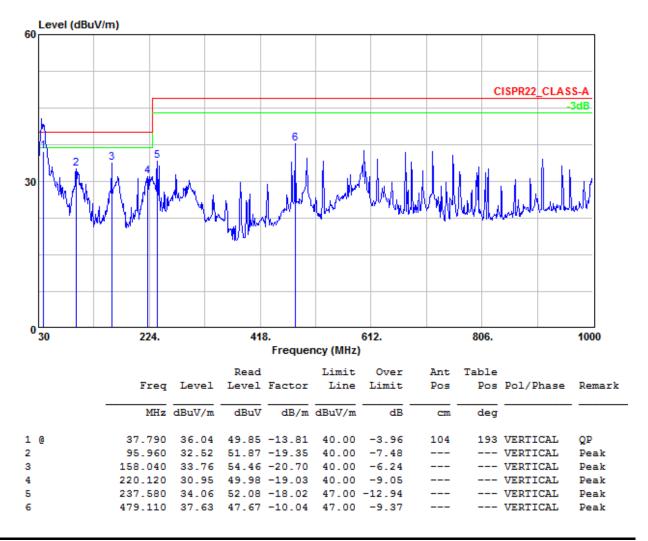
**Test Sample**: Sample 2

**Test Voltage**: 120V/60Hz to the power adapter

**Tester**: Meng **Temperature**: 26°C

Humidity: 71%RH Frequency Range: 30MHz~1GHz

IF Bandwidth: 120kHz Polarization: Vertical



#### Note:

- 1. Emission Level = reading value + correction factor.
- 2. Correction factor = cable loss + antenna factor gain of pre-amplifier.
- 3. Q.P is abbreviation of quasi-peak.

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#### Radiated Emission Measurement above 1000MHz

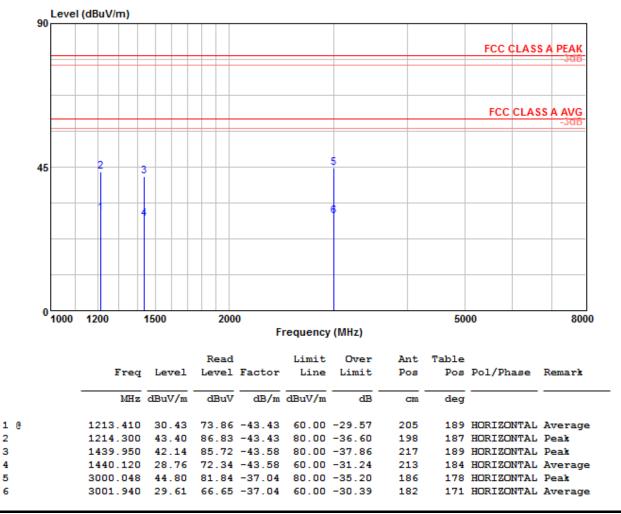
Test Sample : Sample 1

**Test Voltage**: 120V/60Hz to the power adapter

**Tester**: Meng **Temperature**: 27°C

Humidity: 66%RH Frequency Range: 1GHz~8GHz

IF Bandwidth: 1MHz Polarization: Horizontal



#### Note:

- Emission Level = reading value + correction factor.
- 2. Correction factor = cable loss + antenna factor gain of pre-amplifier.

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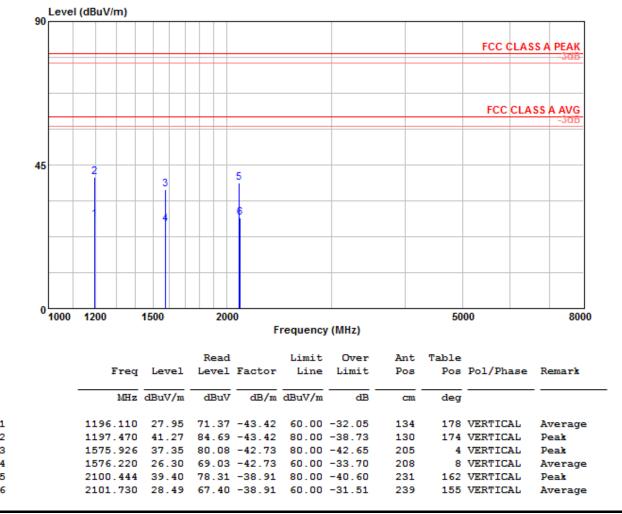
Test Sample : Sample 1

**Test Voltage**: 120V/60Hz to the power adapter

**Tester**: Meng **Temperature**: 27°C

Humidity: 66%RH Frequency Range: 1GHz~8GHz

IF Bandwidth: 1MHz Polarization: Vertical



#### Note:

- Emission Level = reading value + correction factor.
- 2. Correction factor = cable loss + antenna factor gain of pre-amplifier.

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# Attachment 1

**Photographs of EUT** 

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Sample 1





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FAX.: 886-2-25984546

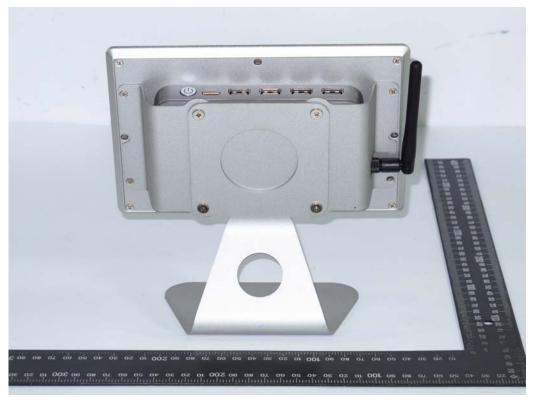


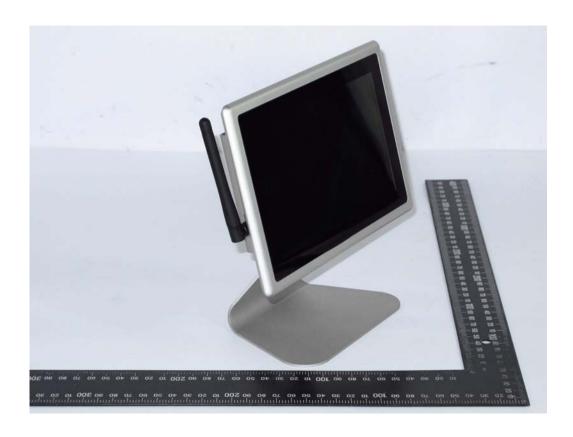


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Sample 2









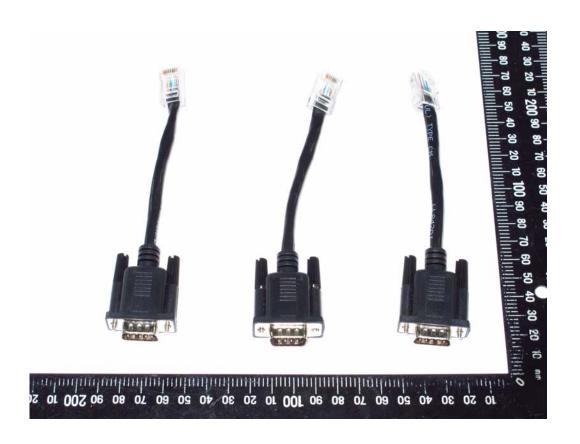




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# Attachment 2 Modifications of EUT

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# **Statement of the EUT Modifications**

Report No.: S1F-A600-1307-006

According to the rules of ANSI C63.4-2009 clause 10.2.13, the following equipment (EUT):

Product	:	Fanless Multi-Touch PPC
Model No.	:	ACP-1103xxx-Ax-xxxx, ACP-1073xxx-Ax-xxxx
		(x is 0-9,A-Z ," - "or blank)
Manufacturer	:	AAEON Technology Inc.
Address	:	5F, No. 135, Lane 235, Pao Chiao Rd., Hsin-Tien Dist.,
		New Taipei City 23145, Taiwan, R.O.C
□ should be <u>wit</u>	<u>hout</u>	any modifications made
□ should be wit	<u>h</u> son	ne modifications made
Subpart B). If an	y, the	compliance with the appropriate specifications (47CFR Part 15, details of the modifications including the complete descriptions, e described in next page of this report.
		<b>Technology Inc.</b> hereby ensure that the product specified have all of the modifications incorporated in the product when ced on the market.
The following im	porte	r or manufacturer is responsible for this statement:
Company Name	:	
Company Addres	ss :	
Telephone	:	E-mail :
Legal Signature	of the	e responsible personal:
Title /	' Nam	ne (full name) Date

CENTRAL RESEARCH TECHNOLOGY CO.

FAX.: 886-2-25984546

The details of the modifications:

Item	Solution Component	Specifications	Manufacturer	Quantity	Reasons
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					

If needed, some modification items are shown in the photographs in the following.