FCC 47 CFR PART 15 SUBPART B TEST REPORT

for

15" Fanless Touch Panel

MODEL: xAHP-1125x (x - Where x may be any combination of alphanumeric characters or "-" or blank)

Test Report Number: T160407D13-F

Issued to:

AAEON Technology Inc.

5F, No.135, Lane 235, Pao Chiao Rd, Hsin-Tien Dist., New Taipei City, Taiwan, R.O.C.

Issued by:

Compliance Certification Services Inc.

Xindian Lab. No.163-1, Jhongsheng Rd., Xindian Dist., New Taipei City, 23151 Taiwan. TEL: 886-2-22170894

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Issued Date: April 20, 2016



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Revision History

Rev.	lssue Date	Revisions	Effect Page	Revised By
00	April 20, 2016	Initial Issue	ALL	Eva Fan

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1 TEST RESULT CERTIFICATION

Product:	15" Fanless Touch Panel
Model:	xAHP-1125x (x - Where x may be any combination of alphanumeric characters or "-" or blank)
Brand:	AAEON
Applicant:	AAEON Technology Inc. 5F, No.135, Lane 235, Pao Chiao Rd, Hsin-Tien Dist., New Taipei City, Taiwan, R.O.C.
Manufacturer:	AAEON Technology Inc. 5F, No.135, Lane 235, Pao Chiao Rd, Hsin-Tien Dist., New Taipei City, Taiwan, R.O.C.
Tested:	April 8, 2016 & April 11, 2016

EMISSION					
Standard	ltem	Result	Remarks		
FCC 47 CFR Part 15 Subpart B, ICES-003 Issue 6-2016	Conducted (Power Port)	PASS	Meet Class A limit		
ANSI C63.4-2014	Radiated	PASS	Meet Class A limit		

Note: 1. The statements of test result on the above are decided by the request of test standard only; the measurement uncertainties are not factored into this compliance determination.

2. The information of measurement uncertainty is available upon the customer's request.

Deviation from Applicable Standard	
None	

The above equipment has been tested by Compliance Certification Services Inc., and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Approved by:

Sam the

Sam Hu Assistant Manager

Reviewed by:

Eva Fan / Supervisor of report document dept.

2 EUT DESCRIPTION

Product	15" Fanless Touch Panel			
Brand Name	AAEON			
Model	xAHP-1125x (x - Where x may be any combination of alphanumeric characters or "-" or blank)			
Applicant	AAEON Technology Inc.			
Housing material	Metal case			
Identify Number	T16407D13			
Received Date	April 7, 2016			
EUT Power Rating	100-240VAC~, 1.3A, 50-60Hz			
AC Power During Test	120VAC / 60Hz to AC Adaptor			
AC Adaptor Manufacturer	FSP			
AC Adaptor Model	FSP084-DMAA1			
AC Adaptor Power Rating	I/P: 100-240VAC~, 1.3A, 50-60Hz, O/P: 12VDC, 7A			
DC Power Cable Type	Unshielded, 1.2m (Non-detachable, with two cores)			

Model Differences

Model	Difference	Tested (Check)
AHP-1125-A1-1010	Original	\boxtimes
	1. For marketing purpose only	
xAHP-1125x	2. x - Where x may be any combination of	
	alphanumeric characters or "-" or blank	

I/O PORT

I/O PORT TYPES	Q'TY	TESTED WITH
1. COM Port	4	4
2. VGA Port	1	1
3. USB Port	4	4
4. LAN Port	2	2

Note: Client consigns only one model sample to test (Model Number: AHP-1125-A1-1010).

3 TEST METHODOLOGY

3.1. DECISION OF FINAL TEST MODE

The EUT was tested together with the below additional components, and a configuration, which produced the worst emission levels, was selected and recorded in this report.

The test configuration/ mode is as the following:

Conduction Mode:

1 Normal Mode

Radiation Mode:

1	Normal Mode
•	Normal Mode / 1-8GHz

Worst: Conduction: Mode 1 Radiation: Mode 1

3.2. EUT SYSTEM OPERATION

- 1. Windows 8.1 boots system.
- 2. Run Emctest.exe to activate all peripherals and display "H" pattern on monitor screen.
- 3. Run Winemc.exe and choose "E:/ & F:/" to test EUT.
- 4. Press the start menu, select executive and type ping 192.168.0.2 –t (EUT), ping 192.168.0.4 –t (EUT), ping 192.168.0.1 –t (Server PC), ping 192.168.0.3 –t (Server PC).

Note: Test program is self-repeating throughout the test.

4 SETUP OF EQUIPMENT UNDER TEST

4.1. DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

EUT Devices:

No.	Equipment	Model No.	Brand Name
1	CPU (1.6GHz)	Pentium N3700	Intel
2	Memory (2GB)	TS256MSK64W6N-I	Transcend
3	Power Adapter	FSP084-DMAA1	FSP
4	HDD (100GB)	MQ01AAD01C	TOSHIBA
5	Panel (12.1")	G121XN01	AUO

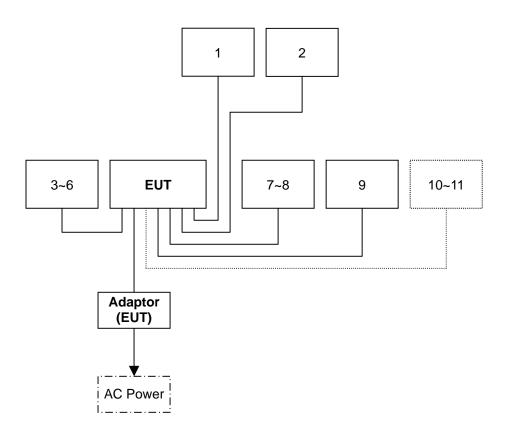
Peripherals Devices:

No.	Equipment	Model No.	Serial No.	FCC ID / BSMI ID	Brand Name	Data Cable	Power Cord
1	USB Mouse	M-U0026	810-002181	DOC BSMI: T41126	Logitech	Shielded, 1.8m	N/A
2	USB Keyboard	SK-8115	N/A	DOC BSMI: T3A002	DELL	Shielded, 1.8m	N/A
3~6	Modem	AL-56ERM	N/A	DOC	GALILEO	Shielded, 1.8m	Unshielded, 1.8m
7~8	USB HDD	HD-EG5	N/A	N/A	SONY	Shielded, 0.5m	N/A
9	Monitor	U2412MD	N/A	DOC BSMI: R33002	DELL	Shielded, 1.8m with two cores	Unshielded, 1.8m
10~11	Server PC	T3610	47TT032	DOC BSMI: R33002	DELL	Unshielded, 20m	Unshielded, 1.8m

Note:

- 1) All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2) Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

4.2. CONFIGURATION OF SYSTEM UNDER TEST



5 FACILITIES AND ACCREDITATIONS

5.1. FACILITIES

All measurement facilities used to collect the measurement data are located at CCSrf Taiwan Xindian Lab. at No.163-1, Jhongsheng Rd., Xindian Dist., New Taipei City, 23151 Taiwan.

The sites are constructed in conformance with the requirements of ANSI C63.4 and CISPR Publication 22. All receiving equipment conforms to CISPR 16-1-1, CISPR 16-1-2, CISPR 16-1-3, CISPR 16-1-4 and CISPR 16-1-5.

5.2. ACCREDITATIONS

Our laboratories are accredited and approved by the following accreditation body according to ISO/IEC 17025.

Taiwan	TAF
USA	A2LA

The measuring facility of laboratories has been authorized or registered by the following approval agencies.

Canada	Industry Canada
Norway	Nemko
Japan	VCCI
Taiwan	BSMI
USA	FCC

Copies of granted accreditation certificates are available for downloading from our web site, <u>http://www.ccsrf.com</u>

5.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Measurement	Frequency	Uncertainty
Conducted emissions	0.15MHz ~ 30MHz	± 1.59
	30MHz ~ 1000MHz	± 4.02
Radiated emissions	1000MHz ~ 18000MHz	± 4.74
Radialed emissions	18000MHz ~ 26000MHz	± 3.03
	26000MHz ~ 40000MHz	± 3.38

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Consistent with industry standard (e.g. CISPR 22: 2005, clause 11, Measurement Uncertainty) determining compliance with the limits shall be base on the results of the compliance measurement. Consequently the measure emissions being less than the maximum allowed emission result in this be a compliant test or passing test.

The acceptable measurement uncertainty value without requiring revision of the compliance statement is base on conducted and radiated emissions being less than U_{CISPR} which is 3.6dB and 5.2dB respectively. CCS values (called U_{Lab} in CISPR 16-4-2) is less than U_{CISPR} as shown in the table above. Therefore, MU need not be considered for compliance.

6 CONDUCTED EMISSION MEASUREMENT

6.1. LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY (MHz)	Class A (dBuV)		Class B	(dBuV)
FREQUENCI (MHZ)	Quasi-peak	Average	Quasi-peak	Average
0.15 - 0.5	79	66	66 - 56	56 - 46
0.50 - 5.0	73	60	56	46
5.0 - 30.0	73	60	60	50

NOTE:

(1) The lower limit shall apply at the transition frequencies.

(2) The limit decreases in line with the logarithm of the frequency in the range 0.15 to 0.50 MHz.

(3) All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

6.2. TEST INSTRUMENTS

	Conducted Emission room # A							
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due				
TEST RECEIVER	R&S	ESCI	101201	08/21/2016				
LISN (EUT)	SCHWARZBECK	NSLK 8127	8127527	08/23/2016				
LISN	SCHWARZBECK	NNLK 8129	8129-286	10/27/2016				
BNC CABLE	EMCI	CFD300-NL	BNC#A8	05/19/2016				
Pulse Limiter	R&S	ESH3Z2	C3010026-2	08/23/2016				
THERMO- HYGRO METER	WISEWIND	201A	No. 02	05/10/2016				
Test S/W	EZ-EMC							

NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

2. N.C.R = No Calibration Request.

6.3. TEST PROCEDURES (please refer to measurement standard or CCS SOP PA-031)

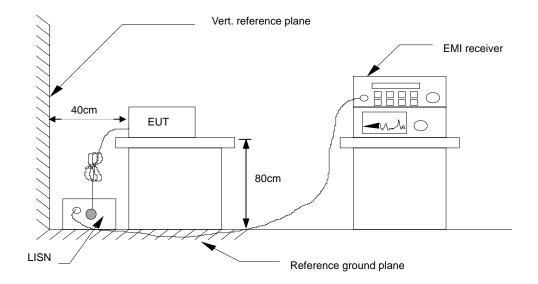
Procedure of Preliminary Test

- The EUT and support equipment, if needed, were set up as per the test configuration to simulate typical usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.4 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor standing equipment, it is placed on the ground plane, which has a 12 mm non-conductive covering to insulate the EUT from the ground plane.
- All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.
- The test equipment EUT installed by AC 120VAC/60Hz main power, through a Line Impedance Stabilization Network (LISN), which was supplied power source and was grounded to the ground plane.
- All support equipment power by from a second LISN.
- The test program of the EUT was started. Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.
- The Receiver scanned from 150kHz to 30MHz for emissions in each of the test modes.
- During the above scans, the emissions were maximized by cable manipulation.
- The test mode(s) described in Item 3.1 were scanned during the preliminary test.
- After the preliminary scan, we found the test mode described in Item 3.1 producing the highest emission level.
- The worst configuration of EUT and cable of the above highest emission level were recorded for reference of the final test.

Procedure of Final Test

- EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.
- A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.
- The test data of the worst-case condition(s) was recorded.

6.4. TEST SETUP



 For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

6.5. DATA SAMPLE

Freq.	Reading	Factor	Result	Limit	Margin	Detector	Line
(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	(P/Q/A)	(L1/L2)
X.XX	42.95	0.55	43.50	73	-29.50	Q	L1

Freq.	= Emission frequency in MHz
Reading	= Uncorrected Analyzer/Receiver reading
Factor	= Insertion loss of LISN + Cable Loss + Pulse Limit
Result	= Reading + Factor
Limit	= Limit stated in standard
Margin	= Reading in reference to limit
P	= Peak Reading
Q	= Quasi-peak Reading
А	= Average Reading
L1	= Hot side
L2	= Neutral side

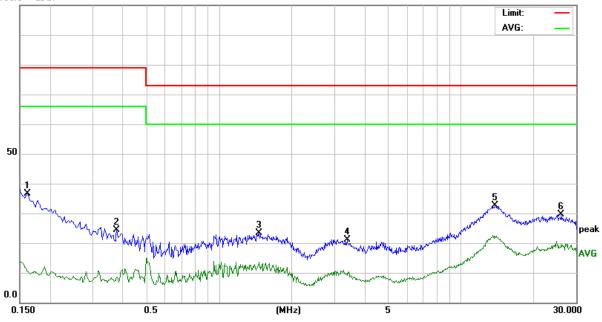
Calculation Formula

Margin (dB) = Result (dBuV) – Limit (dBuV)

6.6. TEST RESULTS

Model No.	AHP-1125-A1-1010	6dB Bandwidth	9 kHz
Environmental Conditions	20°C, 58% RH	Test Mode	Mode 1
Tested by	Pipo Hou	Phase	L1
Standard	FCC CLASS A		

100.0 dBuV



	Conducted Emission Readings						
Frequ	uency Rang	je Investig	gated		150 kHz to	30 MHz	
Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector (P/Q/A)	Line (L1/L2)
0.1620	26.70	10.05	36.75	79.00	-42.25	Р	L1
0.3780	14.31	10.09	24.40	79.00	-54.60	Р	L1
1.4660	13.29	10.16	23.45	73.00	-49.55	Р	L1
3.3820	10.76	10.26	21.02	73.00	-51.98	Р	L1
13.8700	21.91	10.75	32.66	73.00	-40.34	Р	L1
26.1180	17.68	11.87	29.55	73.00	-43.45	Р	L1

Note: L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

Model No.	AHP-1125-A1-1010	6dB Bandwidth	9 kHz
Environmental Conditions	20°C, 58% RH	Test Mode	Mode 1
Tested by	Pipo Hou	Phase	L2
Standard	FCC CLASS A		

100.0 dBuV Limit: AVG: 50 ₩ M War with Marting 25 <u>6</u> peak **4** X white the AVG 0.0 0.5 (MHz) 30.000 0.150 5

Conducted Emission Readings							
Frequ	uency Rang	je Investig	gated		150 kHz to	30 MHz	
Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector (P/Q/A)	Line (L1/L2)
0.1700	27.27	10.05	37.32	79.00	-41.68	Р	L2
0.3940	15.59	10.08	25.67	79.00	-53.33	Р	L2
1.0100	12.09	10.12	22.21	73.00	-50.79	Р	L2
3.3060	10.88	10.24	21.12	73.00	-51.88	Р	L2
14.0700	20.40	10.75	31.15	73.00	-41.85	Р	L2
21.2060	17.91	11.22	29.13	73.00	-43.87	Р	L2

Note: L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

7 RADIATED EMISSION MEASUREMENT

7.1. LIMITS OF RADIATED EMISSION MEASUREMENT

Below 1GHz (for digital device)

FREQUENCY (MHz)	dBuV/m (At 10m)			
	Class A	Class B		
30 ~ 230	40	30		
230 ~ 1000	47	37		

Limit tables for non-digital device:

Class A Radiated Emission limit at 10m (for others)

Frequency (MHZ)	Field Strength Limit (uV/m)Q.P.	Field Strength Limit (dBuV/m)Q.P.
30 - 88	90	39
88 - 216	150	43.5
216 - 960	210	46.4
Above 960	300	49.5

Class B Radiated Emission limit at 3m (for others)

Frequency (MHZ)	Field Strength Limit (uV/m)Q.P.	Field Strength Limit (dBuV/m)Q.P.
30 - 88	100	40
88 - 216	150	43.5
216 – 960	200	46
Above 960	500	54

Above 1GHz(for all device)

Frequency	Class A (dBu)	V/m) (At 10m)	Class B (dBuV/m) (At 3m)		
(MHZ)	Average	Peak	Average	Peak	
Above 1000	49.5	69.5	54	74	

NOTE: (1) The lower limit shall apply at the transition frequencies.

(2) Emission level (dBuV/m) = 20 log Emission level (uV/m).

(3) The measurement above 1GHz is at close-in distances 3m,and determine the limit L2 corresponding to the close-in distance d2 by applying the following relation: L2 = L1 (d1/d2), where L1 is the specified limit in microvolts per metre (uV/m) at the distance d1 (10m), L2 is the new limit for distance d2 (3m).

So the new Class A limit above 1GHz at 3m is as following table:

Frequency	Class A (dBuV/m) (At 3m)					
(MHZ)	Average	Peak				
Above 1000	60	80				

According to FCC Part 15.33 (b), for an unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a radiated emission limit is specified, up to the frequency shown in the following table:

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
Above 1000	5 th harmonic of the highest frequency or 40GHz, whichever is lower

7.2. TEST INSTRUMENTS

Open Area Test Site # E										
Name of Equipment	Serial Number	Calibration Due								
EMI Test Receiver	R&S	ESCI	101299	11/24/2016						
Bilog Antenna	ETC	MCTD 2756	BL11M01007	08/03/2016						
Pre-Amplifier	HP	8447D	2944A08282	03/28/2017						
CABLE	EMCI	8Dr	N-Type#E1/2	03/28/2017						
Thermo-Hygro Meter	Wisewind	N/A	812	07/13/2016						
Test S/W EZ-EMC										
•	Above 1GHz Used									
Signal Analyzer (9k – 44GHz)	Agilent	N9010A	MY53440125	12/13/2016						
Horn Antenna (1 – 18GHz)	EMCO	EMCO 3117 00139062		10/21/2016						
Pre-Amplifier (1 – 26.5GHz)	HP	8449B	3008A01266	12/13/2016						
CABLE (1 – 18GHz) Rosnol		A1K50-EW0630	151126-1	12/16/2016						
THERMO- HYGRO METER	WISEWIND	201A No. 02 05		05/10/2016						
Test S/W		EZ-E	EMC							

NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

2. N.C.R = No Calibration Request.

7.3. TEST PROCEDURES (please refer to measurement standard or CCS SOP PA-031)

Procedure of Preliminary Test

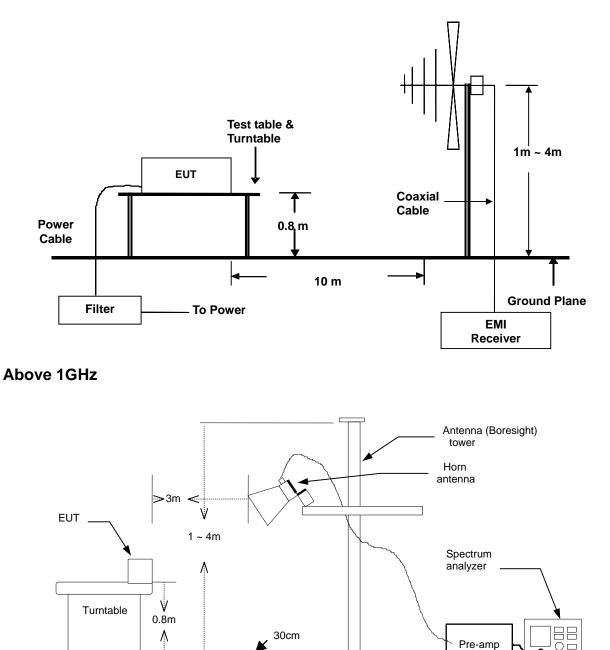
- The equipment was set up as per the test configuration to simulate typical usage per the user's manual. When the EUT is a tabletop system, a wooden turntable with a height of 0.8 meters is used which is placed on the ground plane. When the EUT is a floor standing equipment, it is placed on the ground plane which has a 12 mm non-conductive covering to insulate the EUT from the ground plane.
- Support equipment, if needed, was placed as per ANSI C63.4.
- All I/O cables were positioned to simulate typical usage as per ANSI C63.4.
- The EUT received AC 120VAC/60Hz power source from the outlet socket under the turntable. All support equipment power received from another socket under the turntable.
- The antenna was placed at 3 or 10 meter away from the EUT as stated in ANSI C63.4. The antenna connected to the Spectrum Analyzer via a cable and at times a pre-amplifier would be used.
- The Analyzer / Receiver quickly scanned from 30MHz to 40GHz. The EUT test program was started. Emissions were scanned and measured rotating the EUT to 360 degrees and positioning the antenna 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.
- The test mode(s) described in Item 3.1 were scanned during the preliminary test:
- After the preliminary scan, we found the test mode described in Item 3.1 producing the highest emission level.
- The worst configuration of EUT and cable of the above highest emission level were recorded for reference of the final test.

Procedure of Final Test

- EUT and support equipment were set up on the turntable as per the configuration with highest emission level in the preliminary test.
- The Analyzer / Receiver scanned from 30MHz to 40GHz. Emissions were scanned and measured rotating the EUT to 360 degrees, varying cable placement and positioning the antenna 1 or 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.
- Recording at least the six highest emissions. Emission frequency, amplitude, antenna position, polarization and turntable position were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. Below 1GHz the Q.P. reading and above 1GHz the Peak and Average reading are presented.
- The test data of the worst-case condition(s) was recorded.

7.4. TEST SETUP

Below 1GHz



For the actual test configuration, please refer to the related item - Photographs of • the Test Configuration.

Pre-amp

30cm

Λ

7.5. DATA SAMPLE

Below 1GHz

Freq.	Reading	Factor	Result	Limit	Margin	Detector	Pol.
(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(P/Q)	(H/V)
X.XX	14.0	12.2	26.2	40	-13.8	Q	

Above 1GHz

Freq.	Reading	Factor	Result	Limit	Margin	Detector	Pol.
(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(P/A)	(H/V)
x.xx	42.95	0.55	43.50	60	-16.50	А	

Freq. = Emission frequency in MHz

Reading = Uncorrected Analyzer/Receiver reading

- Factor = Antenna Factor + Cable Loss Amplifier Gain
- Result = Reading + Factor
- Limit = Limit stated in standard
- Margin = Reading in reference to limit
- P = Peak Reading
- Q = Quasi-peak Reading
- A = Average Reading
- H = Antenna Polarization: Horizontal

V = Antenna Polarization: Vertical

Calculation Formula

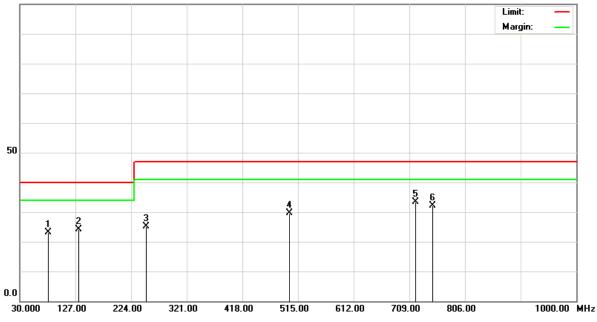
Margin (dB) = Result (dBuV/m) – Limit (dBuV/m)

7.6. TEST RESULTS

Below 1GHz

Model No.	AHP-1125-A1-1010	Test Mode	Mode 1					
Environmental Conditions	26°C, 60% RH	6dB Bandwidth	120 kHz					
Antenna Pole	Vertical	Antenna Distance	10m					
Detector Function	Quasi-peak.	Quasi-peak. Tested by Kevin Chang						
Standard	FCC CLASS A W/ CISPR 22	CC CLASS A W/ CISPR 22 CLASS A LIMIT						

100.0 dBuV/m



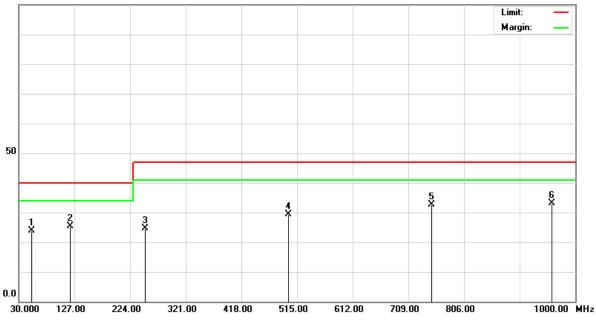
	Radiated Emission Readings											
Frequency Range Investigated						30 N	/IHz to 10	00 MHz a	t 10m			
Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)		Margin (dB)	Height (cm)	Degree (°)	Detector (P/Q)	Pol. (H/V)		
80.0240	42.30	-19.19	23.11	40.00		-16.89	100	66	Q	V		
132.8100	36.80	-12.67	24.13	40.	00	-15.87	100	300	Q	V		
250.0100	38.40	-13.38	25.02	47.	00	-21.98	100	22	Q	V		
500.0210	37.40	-7.72	29.68	47.00		-17.32	400	102	Q	V		
720.0100	37.90	-4.53	33.37	47.00		-13.63	400	199	Q	V		
750.0100	36.40	-4.24	32.16	47.	00	-14.84	400	42	Q	V		

Note: 1. 30MHz to 1000MHz test is Applicable CISPR 22 standard.

2. P= Peak Reading; Q= Quasi-peak Reading.

Model No.	AHP-1125-A1-1010	Test Mode	Mode 1					
Environmental Conditions	26°C, 60% RH	6dB Bandwidth	120 kHz					
Antenna Pole	Horizontal	Antenna Distance	10m					
Detector Function	Quasi-peak.	Quasi-peak. Tested by Kevin Chang						
Standard	FCC CLASS A W/ CISPR 22 CL	CC CLASS A W/ CISPR 22 CLASS A LIMIT						

100.0 dBuV/m



	Radiated Emission Readings										
Frequency Range Investigated						30 N	/IHz to 10	00 MHz a	t 10m		
Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)		Margin (dB)	Height (cm)	Degree (°)	Detector (P/Q)	Pol. (H/V)	
53.2700	43.60	-19.63	23.97	40.00		-16.03	400	102	Q	Н	
120.0100	38.20	-12.77	25.43	40.	00	-14.57	400	183	Q	Н	
250.0000	38.10	-13.38	24.72	47.	00	-22.28	400	224	Q	Н	
500.0100	37.20	-7.72	29.48	47.	00	-17.52	100	63	Q	Н	
750.0300	36.80	-4.24	32.56	47.00		-14.44	100	341	Q	Н	
959.6400	34.20	-1.05	33.15	47.	00	-13.85	100	223	Q	Н	

Note: 1. 30MHz to 1000MHz test is Applicable CISPR 22 standard. 2. P= Peak Reading; Q= Quasi-peak Reading.

Above 1GHz

Model No.	AHP-1125-A1-1010	Test Mode	Mode 1
Environmental Conditions	26°C, 60% RH	6dB Bandwidth	1 MHz
Antenna Pole	Vertical / Horizontal	Antenna Distance	3m
Highest frequency generated or used	1600MHz	Upper frequency	8000MHz
Detector Function	Peak and average.	Tested by	Pipo Hou
Standard	FCC CLASS A		

Radiated Emission Readings												
Frequency Range Investigated					Above 1GHz at 3m							
Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Detector (P/A)	Pol. (H/V)				
1108.333	51.76	-8.69	43.07		80.00	-36.93	Р	V				
1333.333	50.59	-8.22	42.37	,	80.00	-37.63	Р	V				
1600.000	50.33	-6.98	43.35	5	80.00	-36.65	Р	V				
2433.333	52.47	-2.75	49.72	2	80.00	-30.28	Р	V				
2675.000	48.71	-2.48	46.23	3	80.00	-33.77	Р	V				
4791.667	47.04	-0.05	46.99)	80.00	-33.01	Р	V				

Radiated Emission Readings												
Frequency Range Investigated				Above 1GHz at 3m								
Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Detector (P/A)	Pol. (H/V)				
1200.000	50.36	-8.49	41.87		80.00	-38.13	Р	Н				
1600.000	49.83	-6.98	42.85	5	80.00	-37.15	Р	Н				
1741.667	48.21	-5.71	42.50)	80.00	-37.50	Р	Н				
2433.333	50.33	-2.75	47.58	3	80.00	-32.42	Р	Н				
2666.667	48.27	-2.49	45.78	3	80.00	-34.22	Р	Н				
3791.667	47.38	-1.14	46.24	ŀ	80.00	-33.76	Р	Н				

Note: P= Peak Reading; A= Average Reading.

8 PHOTOGRAPHS OF THE TEST CONFIGURATION CONDUCTED EMISSION TEST







RADIATED EMISSION TEST

