

FCC Test Report

Issued Date : Dec. 09, 2010 **Project No.** : E1010020

Equipment: Fanless Touch Panel

Model Name: xxxxxAHP-1070xTy-xxxxxxxx (Where y

is T or blank; x is 0-9, A-Z, -or blank) for

marketing purpose

Applicant: AAEON Technology Inc.

Address : 5F, No. 135, Lane 235, Pao Chiao Rd.

Hsin-Tien City, Taipei, Taiwan, R.O.C.

Tested by: Neutron Engineering Inc. EMC Laboratory

Date of Receipt: Oct. 11, 2010

Date of Test: Oct. 11, 2010 ~ Dec. 08, 2010

Testing Engineer:

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Declaration

Neutron represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with the standards traceable to National Measurement Laboratory (**NML**) of **R.O.C.**, or National Institute of Standards and Technology (**NIST**) of **U.S.A.**

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For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

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1. CERTIFICATION

Equipment: Fanless Touch Panel

Brand Name: AAEON

Model Name: xxxxxAHP-1070xTy-xxxxxxxx (Where y is T or blank; x is 0-9, A-Z, -or blank)

for marketing purpose

Applicant: AAEON Technology Inc.

Date of Test: Oct. 11, 2010 ~ Dec. 08, 2010 Standards: FCC Part 15, Subpart B Class A

CISPR 22: 2005 +A1: 2005 Class A

ICES-003: 2004 Class A ANSI C63.4 (2003)

The above equipment has been tested and found compliance with the requirement of the relative standards by Neutron Engineering Inc. EMC Laboratory.

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. NEI-FCCE-1-E1010020) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of NVLAP and TAF according to the ISO-17025 quality assessment standard and technical standard(s).

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2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

Emission						
Standard	Test Item	Limit	Judgment	Remark		
FCC Part 15, Subpart B CISPR 22: 2005 +A1: 2005	Conducted Emission	Class A	PASS			
ICES-003: 2004	Radiated Emission	Class A	PASS			

NOTE:

- (1) " N/A" denotes test is not applicable in this Test Report.
- (2) For client's request and manual description, the test will not be executed.

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2.1 TEST FACILITY

The test facilities used to collect the test data in this report:

C01: (VCCI RN: C-2918; T-1666)

No.132-1, Lane 329, Sec. 2, Palian Road, Shijr City, Taipei, Taiwan.

OS02: (VCCI RN: R-2669)

No.132-1, Lane 329, Sec. 2, Palian Road, Shijr City, Taipei, Taiwan.

CB08: (VCCI RN: G-91; FCC RN: 614388; IC Assigned Code: 4428C)

1F., No. 61, Ln. 77, Sing-ai Rd., Neihu Dist., Taipei City 114, Taiwan (R.O.C.)

2.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $\mathbf{y} \pm \mathbf{U}$, where expended uncertainty \mathbf{U} is based on a standard uncertainty multiplied by a coverage factor of $\mathbf{k=2}$, providing a level of confidence of approximately 95%.

The measurement instrumentation uncertainty considerations contained in CISPR 16-4-2.

A. Conducted Measurement:

Test Site	Method	Measurement Frequency Range	U, (dB)	NOTE
C01	ANSI	150 kHz ~ 30 MHz	1.94	

B. Radiated Measurement:

Test Site Method		Measurement Frequency Range	Ant. H / V	U,(dB)	NOTE
		30 MHz ~ 200 MHz	V	2.86	
OS-01	ANSI	30 MHz ~ 200 MHz	Н	2.56	
03-01		200 MHz ~ 1, 000 MHz	V	2.88	
		200 MHz ~ 1, 000 MHz	Н	2.98	
		30 MHz ~ 200 MHz	V	2.48	
OS-02	ANSI	30 MHz ~ 200 MHz	Н	2.16	
		200 MHz ~ 1, 000 MHz	V	2.50	
		200 MHz ~ 1, 000 MHz	Н	2.66	

Our calculated Measurement Instrumentation Uncertainty is shown in the tables above. These are our U_{lab} values in CISPR 16-4-2 terminology.

Since Table 1 of CISPR 16-4-2 has values of measurement instrumentation uncertainty, called U_{CISPR} , as follows:

Conducted Disturbance (mains port) – 150 kHz – 30 MHz : 3.6 dB

Radiated Disturbance (electric field strength on an open area test site or alternative test site) – 30 MHz – 1000 MHz : 5.2 dB

It can be seen that our U_{lab} values are smaller than U_{CISPR} .

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3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Fanless Touch Panel	
Brand Name	AAEON	
Model Name	xxxxxAHP-1070xTy-xxxxxxxx (Where y is T or blank; x is 0-9, A-Z, -or blank) for marketing purpose	
OEM Brand/Model Name	N/A	
Model xxxxxAHP-1070xTy-xxxxxxxx, y may be blank, x may be 0 to 9, A to Z or blank. Models' differences between each other only the chang model name which do not affect the EMI perfor		
Product Description	The EUT is a Fanless Touch Panel. Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.	
Power Source	DC Voltage supplied from AC/DC Adapter.	
Power Rating	I/P: AC 100-240V, 1.3A, 50-60Hz / O/P: DC 12.0V, 3.33A MAX (40W MAX)	
Connecting I/O Port(s)	Please refer to the User's Manual	
Products Covered	CPU Board: GENE-1350-xxxxxx (Where x is 0-9, A-Z, -or blank) for marketing purpose CPU: TI OMAP 600MHz onboard On Board Memory: ELPIDA 128MB On Board NAND: Micron 256MB AC/DC Adapter: FSP / FSP040-DGAA1	
EUT Modification(s)	N/A	

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

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3.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Test Mode	Description			
Mode 1	FULL SYSTEM 800*600/60Hz			

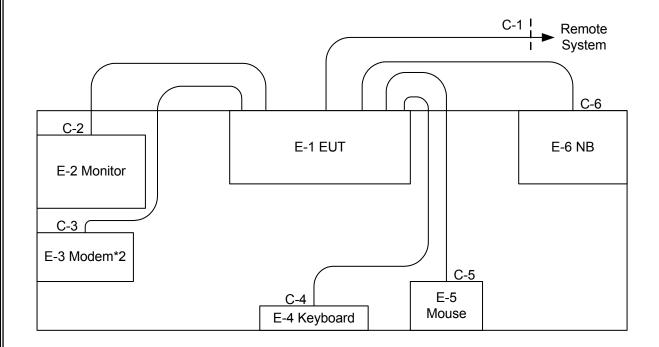
For Conducted Test					
Final Test Mode Description					
Mode 1 FULL SYSTEM 800*600/60Hz					

For Radiated Test				
Final Test Mode Description				
Mode 1 FULL SYSTEM 800*600/60Hz				

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3.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



C-1 RJ-45 Cable

C-2 D-Sub Cable

C-3 RS232 Cable*2

C-4 USB Cable

C-5 USB Cable

C-6 USB Cable

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3.4 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.

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.	Note
E-1	Fanless Touch Panel	AAEON	xxxxxAHP-1070xTy-xxxxxxxx	N/A	N/A	EUT
E-2	24" LCD Monitor	DELL	2408WFPb	DOC	071863-11	
E-3	Modem	ACEEX	DM-1414V	DOC	8041708	
E-4	USB K/B	Logitech	Y-UR83	DOC	868017-0121	
E-5	USB Mouse	Logitech	M-BT83	DOC	810-000361	
E-6	Notebook PC	DELL	D600	DOC	7T390 A03	

Item	Shielded Type	Ferrite Core	Length	Note
C-1	NO	NO	10M	
C-2	YES	YES	1.8M	
C-3	YES	NO	1.7M	
C-4	YES	NO	1.7M	
C-5	YES	NO	1.8M	
C-6	YES	NO	1.7M	

Note:

- (1) The support equipment was authorized by Declaration of Conformity.
- (2) For detachable type I/O cable should be specified the length in cm in <code>[Length]</code> column.

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4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 POWER LINE CONDUCTED EMISSION (FREQUENCY RANGE 150 KHZ-30MHZ)

FREQUENCY (MHz)	Class A	Class A (dBuV)		(dBuV)
TINEQUENCT (IVITIZ)	Quasi-peak	Average	Quasi-peak	Average
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *
0.50 -5.0	73.00	60.00	56.00	46.00
5.0 -30.0	73.00	60.00	60.00	50.00

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.
- (3) The test result calculated as following:

 Measurement Value = Reading Level + Correct Factor

 Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor(if use)

 Margin Level = Measurement Value Limit Value

4.1.2 MEASUREMENT INSTRUMENTS LIST

Iten	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	LISN	EMCO	3816/2	00042991	Feb. 07, 2011
2	Test Cable	TIMES	LMR-400	SR03_C_01& 02	Aug. 20, 2011
3	Pulse Limiter	Electro-Metrics	EM-7600	112644	Dec. 27, 2010
4	EMI Test Receiver	R&S	ESCI	100082	Mar. 16, 2011
5	50Ω BNC TYPE Terminator	N/A	N/A	01	May 25, 2011
6	50Ω BNC TYPE Terminator	N/A	N/A	03	May 25, 2011
7	LISN	EMCO	4825/2	00028234	Jul. 22, 2011

Remark: "N/A" denotes No Model Name, Serial No. or No Calibration specified.

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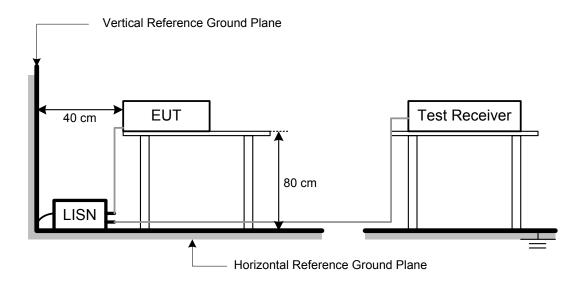
4.1.3 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item -EUT Test Photos.

4.1.4 DEVIATION FROM TEST STANDARD

No deviation

4.1.5 TEST SETUP



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4.1.6 EUT OPERATING CONDITIONS

The EUT exercise program (EMC.exe) used during radiated and/or conducted emission measurement was designed to exercise the various system components in a manner similar to a typical use. The sequence used is:

- 1. Read (write) from (to) mass storage device (Disk).
- 2. Send "H" pattern to video port device (Monitor).
- 3. Send/Receive data to/from remote system.
- 4. Send "H" pattern to serial port device (Modem).
- 5. Repeated from 2 to 4 continuously.

As the keyboard and mouse are strictly input devices, no data is transmitted to (from) them during test. They are, however, continuously scanned for data input activity.

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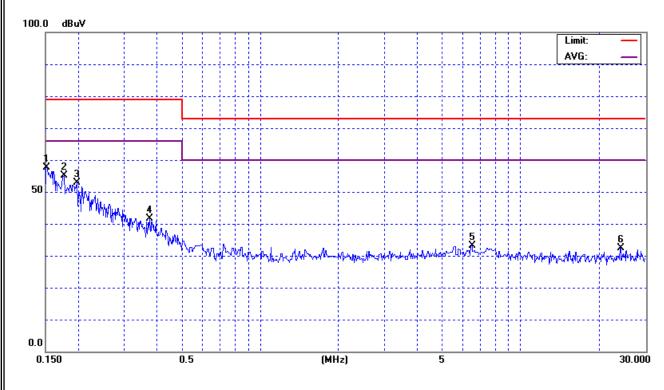
4.1.7 TEST RESULTS

E.U.T:	Fanless Touch Panel	Model Name :	xxxxxAHP-1070xTy-xxxxxxxx
Temperature :	24 ° C	Relative Humidity:	42%
Test Voltage :	AC 120V/60Hz		
Test Mode :	FULL SYSTEM 800*600/60Hz		

Freq.	Terminal	Reading Le	evel(dBuV)	Correct	Measurem	ent(dBuV)	Limit(dBuV)	Margin	Note
(MHz)	L/N	QP-Mode	AV-Mode	Factor(dB)	QP-Mode	AV-Mode	QP-Mode	AV-Mode	(dB)	NOIC
0.1514	Line	47.91	*	9.72	57.63	*	79.00	66.00	-21.37	(QP)
0.1766	Line	45.42	*	9.71	55.13	*	79.00	66.00	-23.87	(QP)
0.1976	Line	43.23	*	9.71	52.94	*	79.00	66.00	-26.06	(QP)
0.3768	Line	31.90	*	9.68	41.58	*	79.00	66.00	-37.42	(QP)
6.5000	Line	23.40	*	9.78	33.18	*	73.00	60.00	-39.82	(QP)
24.1500	Line	22.20	*	10.26	32.46	*	73.00	60.00	-40.54	(QP)

Remark:

- (1) Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9 kHz; SPA setting in RBW=10 kHz, VBW =10 kHz, Swp. Time = 0.2 sec./ MHz. Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=10 kHz, VBW=10 kHz, Swp. Time =0.2 sec./ MHz.
- (2) All readings are QP Mode value unless otherwise stated AVG in column of Note. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a " * " marked in AVG Mode column of Interference Voltage Measured.
- (3) In the "Note" column, QP means the margin value of QP is higher than Average and the "Margin" column shows the margin value of QP; AV means the margin value of Average is higher than QP and the "Margin" column shows the margin value of Average.



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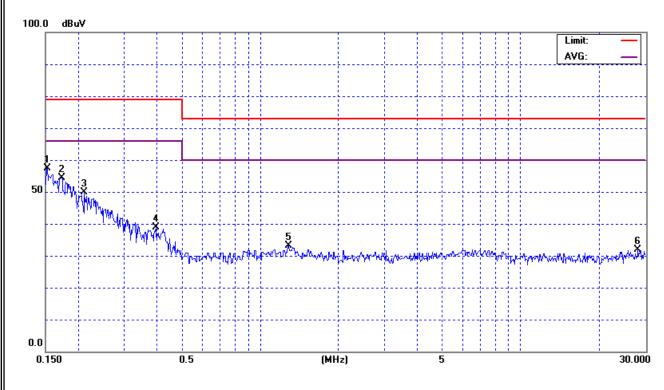


E.U.T:	Fanless Touch Panel	Model Name :	xxxxxAHP-1070xTy-xxxxxxxx
Temperature :	24 ° C	Relative Humidity:	42%
Test Voltage :	AC 120V/60Hz		
Test Mode :	FULL SYSTEM 800*600/60Hz		

Freq.	Terminal	Reading Le	evel(dBuV)	Correct	Measurem	ent(dBuV)	Limit(dBuV)	Margin	Note
(MHz)	L/N	QP-Mode	AV-Mode	Factor(dB)	QP-Mode	AV-Mode	QP-Mode	AV-Mode	(dB)	NOTE
0.1521	Neutral	47.65	*	9.74	57.39	*	79.00	66.00	-21.61	(QP)
0.1724	Neutral	44.71	*	9.74	54.45	*	79.00	66.00	-24.55	(QP)
0.2116	Neutral	40.22	*	9.75	49.97	*	79.00	66.00	-29.03	(QP)
0.3971	Neutral	29.14	*	9.72	38.86	*	79.00	66.00	-40.14	(QP)
1.2830	Neutral	23.56	*	9.67	33.23	*	73.00	60.00	-39.77	(QP)
28.3000	Neutral	21.29	*	10.65	31.94	*	73.00	60.00	-41.06	(QP)

Remark:

- (1) Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9 kHz; SPA setting in RBW=10 kHz, VBW =10 kHz, Swp. Time = 0.2 sec./ MHz. Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=10 kHz, VBW=10 kHz, Swp. Time =0.2 sec./ MHz.
- (2) All readings are QP Mode value unless otherwise stated AVG in column of Note. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a " * " marked in AVG Mode column of Interference Voltage Measured.
- (3) In the "Note" column, QP means the margin value of QP is higher than Average and the "Margin" column shows the margin value of QP; AV means the margin value of Average is higher than QP and the "Margin" column shows the margin value of Average.



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4.2 RADIATED EMISSION MEASUREMENT

4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT (BELOW 1000 MHZ)

FREQUENCY (MHz)	Class A (at 10m)	Class B (at 10m)	
TINEQUENCT (WITZ)	dBuV/m	dBuV/m	
30 – 230	40	30	
230 – 1000	47	37	

Notes:

- (1) The limit for radiated test was performed according to as following: CISPR 22/ FCC PART 15B /ICES-003.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).
- (4) The test result calculated as following: Measurement Value = Reading Level + Correct Factor Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain(if use) Margin Level = Measurement Value – Limit Value

LIMITS OF RADIATED EMISSION MEASUREMENT (ABOVE 1000MHZ)

FREQUENCY (MHz)	Class A (dBu	ass A (dBuV/m) (at 3m) Class B (dBuV/m) (at 3r		
	PEAK	AVERAGE	PEAK	AVERAGE
Above 1000	80	60	74	54

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15B.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).
- (4) The test result calculated as following: Measurement Value = Reading Level + Correct Factor Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain(if use) Margin Level = Measurement Value – Limit Value

FREQUENCY RANGE OF RADIATED MEASUREMENT (FOR UNINTENTIONAL RADIATORS)

Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz)	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 40 GHz, whichever is lower

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4.2.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Pre-Amplifier	Anritsu	MH648A	M98457	Jan. 18, 2011
2	Test Cable	TIMES	LMR-400	10M-OS01	Jun. 17, 2011
3	Test Cable	TIMES	LMR-400	OS02	Jun. 17, 2011
4	EMI Test Receiver	R&S	ESCI	100082	Mar. 16, 2011
5	System Controller (OS02)	СТ	SC100	N/A	N/A
6	Turn Table	Chance Most	CMTB-1.5	N/A	N/A
7	Horn Antenna	Schwarzbeck	BBHA 9120 D	9120D-546	Jun. 26, 2011
8	Microwave Pre_amplifier	Agilent	8449B	3008A01714	Apr. 19, 2011
9	Microflex Cable	HARBOUR INDUSTRIES	27478 LL142	1m	May. 19, 2011
10	Microflex Cable	AISI	S104-SMAP-1	10m	Aug. 22, 2011
11	Microflex Cable	HARBOUR INDUSTRIES	27478 LL142	3m	Aug. 22, 2011
12	Spectrum Analyzer	R&S	FSP-40	100129	Aug. 31, 2011

Remark: "N/A" denotes No Model Name / Serial No. and No Calibration specified.

4.2.3 TEST PROCEDURE

- a. The measuring distance of at 10 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3m or 10 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. The initial step in collecting radiated emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

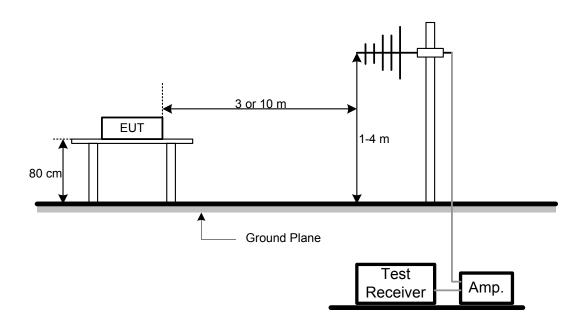
4.2.4 DEVIATION FROM TEST STANDARD

No deviation

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4.2.5 TEST SETUP



4.2.6 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **4.1.6** Unless otherwise a special operating condition is specified in the follows during the testing.

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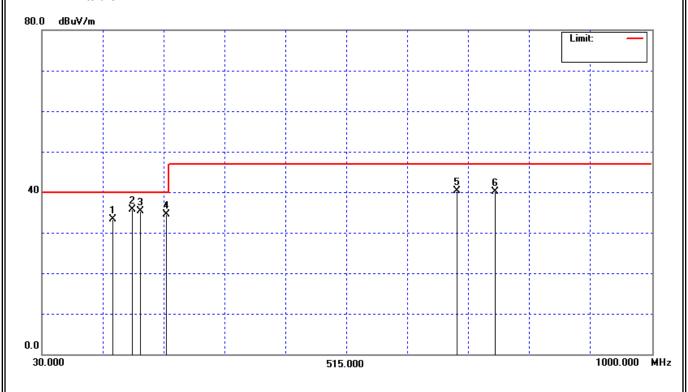
4.2.7 TEST RESULTS-BETWEEN 30MHZ AND 1000MHZ

E.U.T:	Fanless Touch Panel	Model Name :	xxxxxAHP-1070xTy-xxxxxxxx
Temperature :	23°C	Relative Humidity:	82%
Test Voltage :	AC 120V/60Hz		
Test Mode :	FULL SYSTEM 800*600/60Hz		

Freq.	Polarization	Reading Level	Correct	Measurement	Limit(Quasi-Peak)	Margin	Note
(MHz)	H/V	(dBuV)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	Note
141.2880	V	37.97	-4.58	33.39	40.00	- 6.61	
172.8160	V	40.52	-4.77	35.75	40.00	- 4.25	
186.0880	V	41.61	-6.23	35.38	40.00	- 4.62	
225.9840	V	40.97	-6.43	34.54	40.00	- 5.46	
691.1900	V	35.93	4.35	40.28	47.00	- 6.72	
750.0400	V	34.55	5.52	40.07	47.00	- 6.93	

Remark:

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120 kHz; SPA setting in RBW=120 kHz, VBW =120 kHz, Swp. Time = 0.3 sec./ MHz.
- (2) All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (3) Measuring frequency range from 30 MHz to 1000 MHz.
- (4) If the peak scan value is under the limit for more than 20dB, the signal will not show in table.



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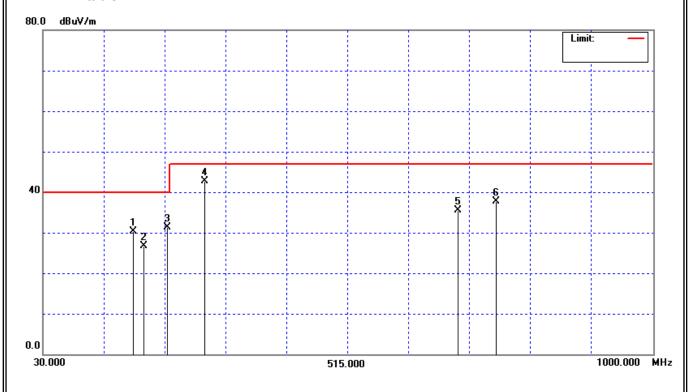


E.U.T:	Fanless Touch Panel	Model Name :	xxxxxAHP-1070xTy-xxxxxxxx
Temperature :	23°C	Relative Humidity:	82%
Test Voltage :	AC 120V/60Hz		
Test Mode :	FULL SYSTEM 800*600/60Hz		

Freq.	Polarization	Reading Level	Correct	Measurement	Limit(Quasi-Peak)	Margin	Note
(MHz)	H/V	(dBuV)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	Note
172.8000	Н	35.09	-4.77	30.32	40.00	- 9.68	
190.5400	Н	33.37	-6.75	26.62	40.00	- 13.38	
225.9800	Н	37.77	-6.43	31.34	40.00	- 8.66	
287.9800	Н	47.04	-4.27	42.77	47.00	- 4.23	
691.2100	Н	31.07	4.35	35.42	47.00	- 11.58	
750.0400	Н	32.20	5.52	37.72	47.00	- 9.28	

Remark:

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120 kHz; SPA setting in RBW=120 kHz, VBW =120 kHz, Swp. Time = 0.3 sec./ MHz.
- (2) All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (3) Measuring frequency range from 30 MHz to 1000 MHz.
- (4) If the peak scan value is under the limit for more than 20dB, the signal will not show in table.



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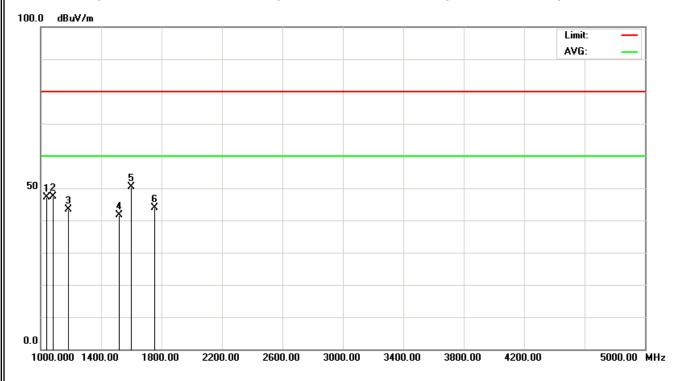
4.2.8 TEST RESULTS-ABOVE 1000MHZ

E.U.T:	Fanless Touch Panel	Model Name :	xxxxxAHP-1070xTy-xxxxxxxx				
Temperature :	25°C	Relative Humidity:	31%				
Test Voltage :	AC 120V/60Hz						
Test Mode :	FULL SYSTEM 800*600/60Hz						

Freq.	Polarization	Reading L	evel(dBuV)	Correct	Measureme	nt(dBuV/m)	Limit(d	BuV/m)	Margin	Note
(MHz)	H/V	Peak	AV	Factor(dB)	Peak	AV	Peak	AV	(dB)	NOLE
1040.000	V	54.82	*	-7.66	47.16	*	80.00	60.00	- 32.84	Peak
1080.000	V	54.81	*	-7.53	47.28	*	80.00	60.00	- 32.72	Peak
1180.000	V	50.67	*	-7.20	43.47	*	80.00	60.00	- 36.53	Peak
1520.000	V	47.78	*	-6.09	41.69	*	80.00	60.00	- 38.31	Peak
1600.000	V	56.29	*	-5.88	50.41	*	80.00	60.00	- 29.59	Peak
1750.000	V	49.35	*	-5.50	43.85	*	80.00	60.00	- 36.15	Peak

Remark:

- (1) Reading in which marked as PK means measurements by using are Peak Mode with instrument setting in RBW= 1 MHz, VBW= 1 MHz, Swp. Time = Auto. Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW= 1 MHz, VBW= 10 Hz, Swp. Time = Auto.
- (2) All readings are PK Mode value unless otherwise stated AVG in column of Note. If the PK Mode Measured value compliance with the PK Limits and lower than AVG Limits, the EUT shall be deemed to meet both PK & AVG Limits and then only PK Mode was measured, but AVG Mode didn't perform. In this case, a " * " marked in AVG Mode column of Interference Voltage Measured.
- (3) In the "Note" column, Peak means the margin value of Peak is higher than Average and the "Margin" column shows the margin value of Peak; AV means the margin value of Average is higher than Peak and the "Margin" column shows the margin value of Average.



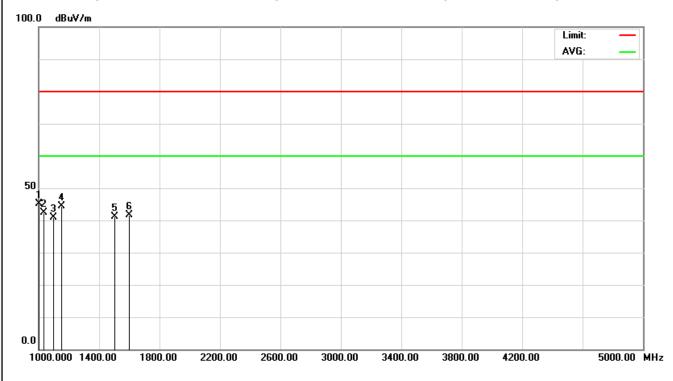
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E.U.T:	Fanless Touch Panel	Model Name :	xxxxxAHP-1070xTy-xxxxxxxx					
Temperature :	25°C	Relative Humidity:	31%					
Test Voltage :	AC 120V/60Hz							
Test Mode :	FULL SYSTEM 800*600/60Hz							

Freq.	Polarization	Reading Level(dBuV)		Correct	Measurement(dBuV/m)		Limit(dBuV/m)		Margin	Note
(MHz)	H/V	Peak	AV	Factor(dB)	Peak	AV	Peak	AV	(dB)	NOLE
1000.000	Н	52.84	*	-7.79	45.05	*	80.00	60.00	- 34.95	Peak
1030.000	Н	50.08	*	-7.69	42.39	*	80.00	60.00	- 37.61	Peak
1090.000	Н	48.27	*	-7.49	40.78	*	80.00	60.00	- 39.22	Peak
1150.000	Н	51.64	*	-7.30	44.34	*	80.00	60.00	- 35.66	Peak
1500.000	Н	47.38	*	-6.14	41.24	*	80.00	60.00	- 38.76	Peak
1600.000	Н	47.42	*	-5.88	41.54	*	80.00	60.00	- 38.46	Peak

Remark:

- (1) Reading in which marked as PK means measurements by using are Peak Mode with instrument setting in RBW= 1 MHz, VBW= 1 MHz, Swp. Time = Auto. Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW= 1 MHz, VBW= 10 Hz, Swp. Time = Auto.
- (2) All readings are PK Mode value unless otherwise stated AVG in column of Note. If the PK Mode Measured value compliance with the PK Limits and lower than AVG Limits, the EUT shall be deemed to meet both PK & AVG Limits and then only PK Mode was measured, but AVG Mode didn't perform. In this case, a " * " marked in AVG Mode column of Interference Voltage Measured.
- (3) In the "Note" column, Peak means the margin value of Peak is higher than Average and the "Margin" column shows the margin value of Peak; AV means the margin value of Average is higher than Peak and the "Margin" column shows the margin value of Average.



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5. EUT TEST PHOTO

Conducted Measurement Photos



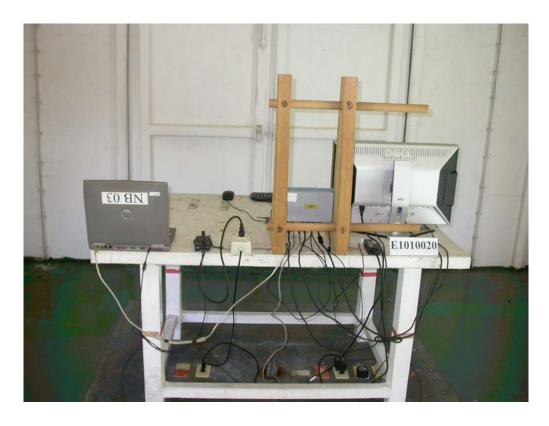


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Radiated Measurement Photos BETWEEN 30MHZ AND 1000MHZ

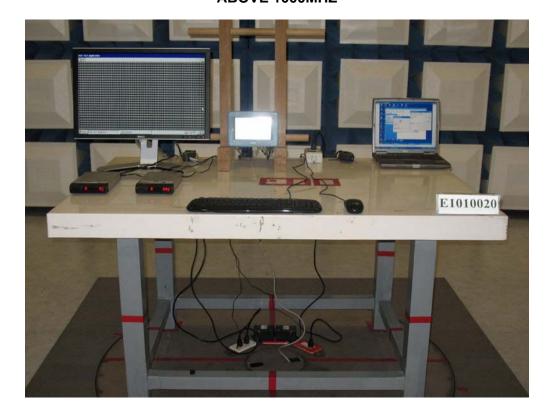


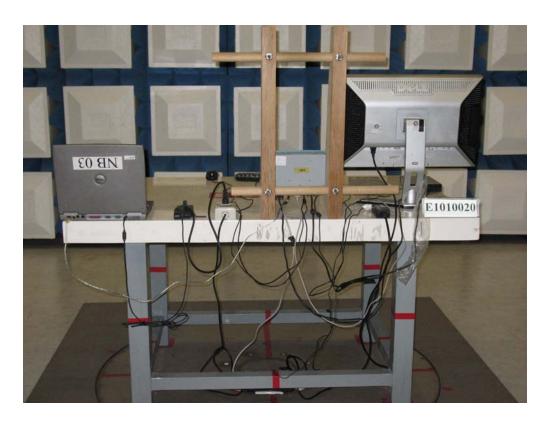


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Radiated Measurement Photos ABOVE 1000MHZ





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