

# FCC Verification TEST REPORT

for

### **Green Embedded System Controller**

### MODEL: xxxxGES-1100Fxx-xxx-xxxxxxx

Test Report Number: T100122211-F

Issued to:

### AAEON Technology Inc.

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

Issued by:

### **Compliance Certification Services Inc.**

Sindian BU. No.163-1, Jhongsheng Rd., Sindian City, Taipei County 23151, Taiwan TEL: 886-2-22170894

FAX: 886-2-22171029

Issued Date: February 02, 2010



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#### **Revision History**

Rev.	lssue Date	Revisions	Effect Page	Revised By
00	August 21, 2009	Initial Issue	ALL	Andrea Chen
01	February 02, 2010	Update EUT	ALL	Andrea Chen



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# **1 TEST RESULT CERTIFICATION**

Product:	Green Embedded System Controller
Brand:	AAEON
Model:	xxxxGES-1100Fxx-xxx-xxxxxxx (Where x is 0-9, A-Z, -or blank)
Applicant:	<b>AAEON Technology Inc.</b> 5F, No. 135, Lane 235, Pao Chiao Rd., Hsin-Tien City, Taipei, Taiwan, R.O.C.
Manufacturer:	<b>AAEON Technology Inc.</b> 5F, No. 135, Lane 235, Pao Chiao Rd., Hsin-Tien City, Taipei, Taiwan, R.O.C.
Tested:	August 11, 2009 ~ January 26, 2010

EMISSION					
Standard	ltem	Result	Remarks		
FCC 47 CFR Part 15 Subpart B, ICES-003 Issue 4	Conducted (Power Port)	PASS	Meet Class A limit		
	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:

Vince Chiang Assistant Manager Reviewed by:

esta Hsu

Vesta Hsu Supervisor of report document dept.

# 2 EUT DESCRIPTION

Product	Green Embedded System Controller		
Brand Name	AAEON		
Model	xxxxGES-1100Fxx-xxx-xxxxxxx		
Model	(Where x is 0-9, A-Z, -or blank)		
Applicant	AAEON Technology Inc.		
Housing material	Metal case		
Received Date	January 22, 2010		
EUT Power Rating	12VDC from AC Adaptor		
AC Power During Test	120VAC / 60 Hz to AC Adaptor		
AC Adaptor Manufacturer	FSP		
AC Adaptor Model Number	FSP060-DBAB1		
Power Adaptor Power Rating	I/P: 100-240VAC, 50-60Hz, 1.5A; O/P: 12VDC, 5A		
DC Power Cable Type	Unshielded, 1.2m (Non-detachable, with a core) to AC Adaptor		
OSC/Clock Frequencies	14.31818MHz; 25MHz		

#### I/O PORT

I/O PORT TYPES	Q'TY	TESTED WITH
1) SIO Port	4	4
2) PS/2 Mouse Port	1	1
3) PS/2 Keyboard Port	1	1
4) VGA Port	1	1
5) DVI Port	1	1
6) Earphone Port	1	1
7) Microphone Port	1	1
8) USB Port	6	6
9) LAN Port	2	2
10) Digital Port	2	2

Note: Client consigns only one model sample to test (Model Number: TF-GES-1100F-A10-C00).



# **3 TEST METHODOLOGY**

### 3.1. DECISION OF FINAL TEST MODE

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

The test configuration/ modes are as the following:

#### **Conduction Modes:**

1.	Job No: 90812202	NORMAL MODE
2.	Job No: T100122211	NORMAL MODE

#### **Radiation Modes:**

1.	Job No: 90812202	NORMAL MODE	
2	Job No: T100122211	NORMAL MODE	
2.		NORMAL MODE / 1-8GHz	

Conduction: Mode 2

Radiation: Mode 2

### **3.2. EUT SYSTEM OPERATION**

- 1. Windows XP boots system.
- 2. Run Emctest.exe to activate all peripherals and display "H" pattern on monitor screen.
- 3. Run Winemc.exe and choose media player to play music.
- 4. Run Winemc.exe and choose "E:/& F:/ & G:/ & H:/ & I:/ & J:/" to test EUT.
- 5. Press the start menu, select executive and type ping 192.168.0.2/4 –t (EUT), ping 192.168.0.1/3–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.	Trade Name		
1	CPU	Intel Atom N270 1.6GHz	Intel		
2	Motherboard	EMB-9459T-xxxxxx (Where x is 0-9,A-Z,-or blank)	AAEON		
3	Hard Disk (80GB)	MHZ2080BH	Fujitsu		
4	Memory	DDR2-800 2GB/K4T1G084QE	DSL		
Note: Client consigns only one model sample to test (Motherboard Model Number: EMB-9459T).					

#### **Peripherals Devices:**

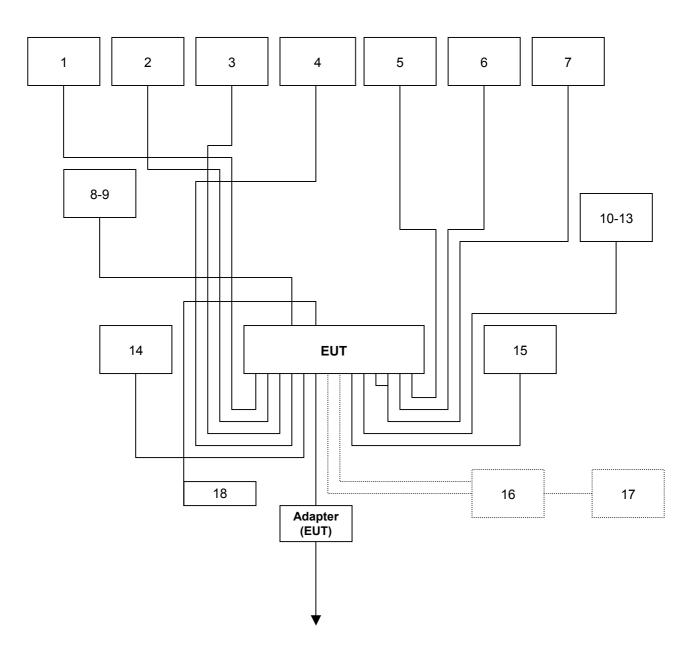
No.	Equipment	Model No.	Serial No.	FCC ID / BSMI ID	Trade Name	Data Cable	Power Cord
1-4	USB 2.0 HDD	F12-U	N/A	BSMI ID: 4912A002	TeraSys	Shielded, 1.8m	N/A
5	PS/2 Mouse	M071KC	443029438	DoC BSMI: R41108	DELL	Shielded, 1.8m	N/A
6	PS/2 Keyboard	SK-8110	N/A	DoC BSMI: T3A002	DELL	Shielded, 1.8m	N/A
7	Earphone & Microphone	MSB301	N/A	N/A	e-Sense	Unshielded, 2.0m	N/A
8-9	USB 2.0 HDD	F12-U	N/A	BSMI ID: 4912A002	TeraSys	Shielded, 1.8m	N/A
10-13	Modem	5JEG4033MKO	N/A	5RJTAI-35500-M5-E	TOP- SOLUTION	Shielded, 1.8m	Unshielded, 1.8m
14	Monitor 1	710V	GS17H9NXA16497S	DOC BSMI: R33475	SAMSUNG	Shielded, 1.8m with two cores	Unshielded, 1.8m
15	Monitor 2	2408WFP	N/A	N/A	DELL	Shielded, 1.8m with two cores	Unshielded, 1.8m
16	HUB	DGS-1008D	N/A	N/A	D-Link	Unshielded, 20m X2	N/A
17	Server Notebook	PP05L	2464936188	DoC BSMI: R33002	DELL	Unshielded, 1.0m	Unshielded, 1.8m
18	Digital Cable	N/A	N/A	N/A	N/A	Unshielded, 1.0m X2	N/A

#### 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 (except above 1GHz measurement frequency of Radiated) used to collect the measurement data are located at CCS Taiwan Sindian BU. at No.163-1, Jhongsheng Rd., Sindian City, Taipei County 23151, Taiwan.

The measurement facilities of Radiated frequency rang above 1GHz are located at CCS Taiwan Linkou Lab. at No.81-1, Lane 210, Bade 2nd Rd., Lujhu Township, Taoyuan County 33841, 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
Germany	TUV Rheinland
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	± 1.7366
Radiated emissions	30MHz ~ 200MHz	$\pm$ 3.8792
	200MHz ~1000MHz	± 3.8914

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)		
	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 of 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 # B				
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
TEST RECEIVER	R&S	ESHS10	843743/015	03/29/2010
LISN (EUT)	FCC	FCC-LISN-50-32-2	08009	03/29/2010
LISN	EMCO	3825/2	1382	01/11/2011
BNC CABLE	Huber+Suhner	RG 223/U	BNC B2	01/12/2011
Pulse Limiter	R&S	ESH3-Z2	100374	08/23/2010
THERMO- HYGRO METER	ТОР	HA-202	9303-3	02/04/2010
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)

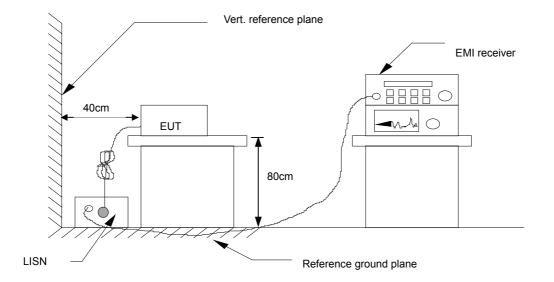
#### Procedure of Preliminary Test

- The EUT and Support equipment, if needed, 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 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 received AC main power, through a Line Impedance Stabilization Network (LISN), which supplied power source and was grounded to the ground plane.
- All support equipment power received from a second LISN.
- The EUT test program 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 EUT configuration and cable configuration of the above highest emission levels 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	

Freq. = Emission frequency in MHz

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

#### **Calculation Formula**

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

### 6.6. TEST RESULTS

Model No.	TF-GES-1100F-A10-C00	6dB Bandwidth	10 KHz
Environmental Conditions	20°C, 62% RH, 1010mbar	Test Mode	Mode 2
Tested by	STANLEY CHENG		

(The chart below shows the highest readings taken from the final data.)

Six Highest Conducted Emission Readings							
Frequ	uency Rang	ge Investig	gated		150 KHz to	o 30 MHz	
Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector (P/Q/A)	Line (L1/L2)
0.1580	39.08	9.80	48.88	79.00	-30.12	Р	L1
0.1660	37.10	9.80	46.90	79.00	-32.10	Р	L1
0.2020	42.38	9.81	52.19	79.00	-26.81	Р	L1
0.1539	37.86	9.80	47.66	79.00	-31.34	Р	L2
0.1700	37.56	9.80	47.36	79.00	-31.64	Р	L2
0.2020	42.20	9.81	52.01	79.00	-26.99	Р	L2

NOTE: 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

2. The emission level was or more than 2dB below the Average limit, so no re-check anymore.

# 7 RADIATED EMISSION MEASUREMENT

### 7.1. LIMITS OF RADIATED EMISSION MEASUREMENT

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

Frequency (MHz)	Class A (dBu	ıV/m) (At 3m)	Class B (dBuV/m) (At 3m)		
Trequency (MITZ)	Average	Peak	Average	Peak	
Above 1000	60	80	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) 10m to 3m: 20 log (3/10)=-10.4576dB.

### 7.2. TEST INSTRUMENTS

Open Area Test Site # I						
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due		
MEASURE RECEIVER	SCHAFFNER	SCR3501	338	07/07/2010		
SPECTRUM ANALYZER	ADVANTEST	R3132	120900008	No Calibration Required		
ANTENNA	SCHAFFNER	CBL 6112B	2809	09/06/2010		
AMPLIFIER	SCHAFFNER	CPA9231A	3626	10/11/2010		
CABLE	BELDEN	9913	N-TYPE #I2	02/22/2010		
THERMO- HYGRO METER	TECPEL	DTM-303	090639	05/24/2010		
Test S/W	Test S/W Lab VIEW 7.1					
	Abo	ove 1GHz Used				
Spectrum Analyzer	Agilnet	E4407B	MY44212679	12/28/2009		
Pre-Amplifier	HP	8449B	3008A00965	12/31/2009		
Pre-Amplifier	MITEQ	AMF-6F-260400-40-8P	985646	05/24/2010		
Horn Antenna	EMCO	3115	9602-4659	04/16/2010		
Horn Antenna	EMCO	3116	00026370	10/15/2009		
Site VSWR	SIDT EUROPE	9x6x6	N/A	02/27/2010		
Turn Table	CCS	CC-T-1F	N/A	N.C.R		
Antenna Tower	CCS	CC-A-1F	N/A	N.C.R		
Controller	CCS	CC-C-1F	N/A	N.C.R		
Test S/W		CCS-3A1	RE			

**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.

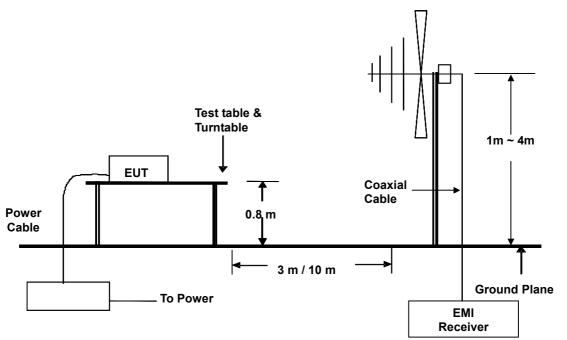
#### **7.3. TEST PROCEDURES** (please refer to measurement standard or CCS SOP PA-031)

#### 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 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 10/3 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 8000MHz. 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 EUT and cable configuration, antenna position, polarization and turntable position of the above highest emission level were recorded for 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 8000MHz. Emissions were scanned and measured rotating the EUT to 360 degrees, varying cable placement 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.
- Recorded 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 and only Q.P. reading is presented.
- The test data of the worst-case condition(s) was recorded.



## 7.4. TEST SETUP

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

### 7.5. DATA SAMPLE

#### **Below 1GHz**

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

Freq.	= Emission frequency in MHz
Reading	= Uncorrected Analyzer/Receiver reading
Factor	= Antenna Factor + Cable Loss + Attenuator (3/6/10dB) – Amplifier Gain
Result	= Uncorrected Analyzer/Receiver reading + Factor
Limit	= Limit stated in standard
Margin	= Reading in reference to limit
P	= Peak Reading
Q	= Quasi-peak Reading
Н	= Antenna Polarization: Horizontal
V	= Antenna Polarization: Vertical

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

#### Above 1GHz

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

Frea = Emission frequency in MHz

TIEY.	
Read Level	= Uncorrected Analyzer/Receiver reading
Factor	= Antenna Factor + Cable Loss - Amplifier Gain
Level	= Read Level + Factor
Limit Line	= Limit stated in standard
Over Limit	= Level – Limit Line
Р	= Peak Reading
А	= Average Reading
Н	= Antenna Polarization: Horizontal
V	= Antenna Polarization: Vertical

### 7.6. TEST RESULTS

#### **Below 1GHz**

Model No.	TF-GES-1100F-A10-C00	Test Mode	Mode 2
Environmental Conditions	25°C, 80% RH, 1010mbar	6dB Bandwidth	120 KHz
Antenna Pole	Vertical / Horizontal	Antenna Distance	10m
Detector Function	Quasi-peak.	Tested by	JOHN YEN

(The chart below shows the highest readings taken from the final data.)

Six Highest Radiated Emission Readings									
Freq	uency Ran	30 MHz to 1000 MHz at 10m							
Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector (P/Q)	Pol. (H/V)		
112.810	53.60	-16.28	37.32	40.00	-2.68	Q	V		
135.970	54.10	-16.74	37.36	40.00	-2.64	Q	V		
196.599	53.00	-17.96	35.04	40.00	-4.96	Q	V		
215.980	51.10	-17.95	33.15	40.00	-6.85	Q	V		
500.001	47.40	-7.97	39.43	47.00	-7.57	Q	V		
755.940	42.20	-4.59	37.61	47.00	-9.39	Q	V		

(The chart below shows the highest readings taken from the final data.)

Six Highest Radiated Emission Readings									
Frec	juency Rang	30 MHz to 1000 MHz at 10m							
Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector (P/Q)	Pol. (H/V)		
115.470	52.40	-16.15	36.25	40.00	-3.75	Q	Н		
133.480	53.30	-16.61	36.69	40.00	-3.31	Q	Н		
137.210	52.40	-16.80	35.60	40.00	-4.40	Q	Н		
157.210	53.00	-17.50	35.50	40.00	-4.50	Q	Н		
166.690	53.80	-17.81	35.99	40.00	-4.01	Q	Н		
221.170	54.70	-17.84	36.86	40.00	-3.14	Q	Н		

**REMARKS:** 1. 30MHz to 1000MHz test is Applicable CISPR 22 / EN 55022 standard.

2. The other emission levels were very low against the limit.

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

#### Above 1GHz

Model No.	TF-GES-1100F-A10-C00	Test Mode	Mode 2
Environmental Conditions	18°C, 60% RH, 1010mbar	6dB Bandwidth	1000 KHz
Antenna Pole	Vertical / Horizontal	Antenna Distance	3m
Detector Function	Quasi-peak.	Tested by	JOHNNY CHEN

(The chart below shows the highest readings taken from the final data.)

Radiated Emission Readings									
Frequ	1000 MHz to 8000 MHz at 3m								
Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector (P/A)	Pol. (H/V)		
1300.000	52.84	-7.90	44.94	80.00	-35.06	Р	V		
1390.000	54.40	-7.38	47.02	80.00	-32.98	Р	V		
1415.000	54.40	-7.23	47.17	80.00	-32.83	Р	V		
1620.000	53.35	-6.00	47.35	80.00	-32.65	Р	V		
1730.000	52.73	-5.33	47.40	80.00	-32.60	Р	V		
2135.000	50.21	-3.19	47.02	80.00	-32.98	Р	V		

(The chart below shows the highest readings taken from the final data.)

Radiated Emission Readings									
Freq	1000 MHz to 8000 MHz at 3m								
Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector (P/A)	Pol. (H/V)		
1390.000	53.24	-7.38	45.86	80.00	-34.14	Р	Н		
1410.000	53.38	-7.27	46.11	80.00	-33.89	Р	Н		
1515.000	53.66	-6.66	47.00	80.00	-33.00	Р	Н		
1620.000	52.13	-6.00	46.13	80.00	-33.87	Р	Н		
1730.000	51.91	-5.33	46.58	80.00	-33.42	Р	Н		
1815.000	49.99	-4.80	45.19	80.00	-34.81	Р	Н		
2595.000	48.91	-1.47	47.44	80.00	-32.56	Р	Н		

**REMARKS:** 1. The other emission levels were very low against the limit.

2. P= Peak Reading; A= Average Reading.

# 8 PHOTOGRAPHS OF THE TEST CONFIGURATION CONDUCTED EMISSION TEST







**RADIATED EMISSION TEST**