### FCC DoC TEST REPORT

for

#### **Digital Signage System**

MODEL: xxxxDSS-5300xx-xxx-xxxxxxx

Test Report Number: 90812202-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: August 21, 2009







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### **Revision History**

Rev.	Issue Date	Revisions	Effect Page	Revised By
00		Initial Issue	ALL	

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#### 1 TEST RESULT CERTIFICATION

**Product:** Digital Signage System

**Brand:** AAEON

xxxxDSS-5300xx-xxx-xxxxxxx
Model:

(Where y is T or blank and x is 0-9,A-Z,-or blank)

**Applicant: AAEON Technology Inc.** 

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

Taipei, Taiwan, R.O.C.

Manufacturer: AAEON Technology Inc.

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

Taipei, Taiwan, R.O.C.

**Tested:** August 11, 2009 ~ August 18, 2009

	EMISSION		
Standard	Item	Result	Remarks
FCC 47 CFR Part 15 Subpart B, ICES-003 Issue 4	Conducted (Main Port)	PASS	Meet Class A limit
ANSI C63.4-2003	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 of Sindian BU.

Reviewed by:

Vesta Hsu

Supervisor of report document dept. of Sindian BU.

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### 2 EUT DESCRIPTION

Product	Digital Signage System
Brand Name	AAEON
Model	xxxxDSS-5300xx-xxx-xxxxxxx
Model	(Where y is T or blank and x is 0-9,A-Z,-or blank)
Applicant	AAEON Technology Inc.
Housing material	Metal case
Identify Number	90812202
Received Date	August 12, 2009
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
AC Power Cord Type	Unshielded, 1.8m (Detachable) to AC Adaptor
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	2	2
2) PS/2 Keyboard Port	1	1
3) PS/2 Mouse 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	4	4
9) LAN Port	2	2
10) CF Slot	1	1

Note: Client consigns only one model sample to test (Model Number: DSS-5300).

#### 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.

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The test configuration/ mode is as the following:

#### **Conduction Mode:**

1. NORMAL MODE

#### **Radiation Mode:**

1. NORMAL MODE / 1-8GHz

**Conduction:** Mode 1 **Radiation:** Mode 1

#### 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 "F:/& G:/ & H:/ & I:/ & C:/" to test EUT.
- 5. Press the start menu, select executive and type ping 192.168.0.2 –t (EUT), ping 192.168.0.1–t (Server PC 1).
- 6. Press the start menu, select executive and type ping 192.168.0.3 –t (EUT), ping 192.168.0.4–t (Server PC 2).

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

### 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.

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#### **EUT Devices:**

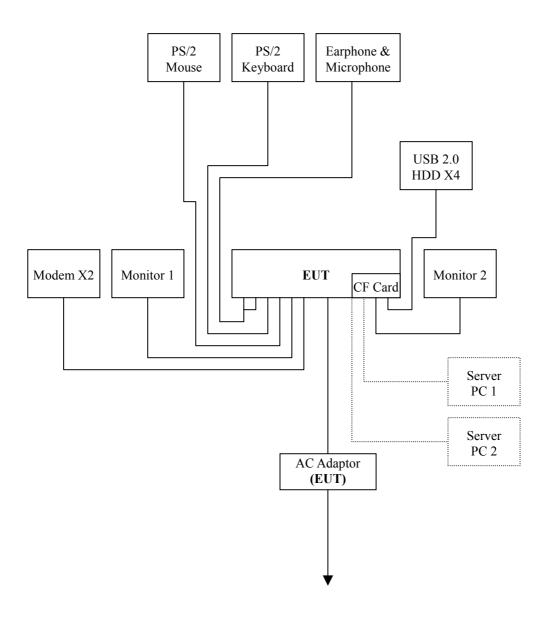
No.	Equipment	Model No.	Trade Name				
1	CPU	Intel Atom N270 1.6GHz Intel					
2	Motherboard	EMB-9459T-xxxxxx (Where y is T or blank and x is 0-9, A-Z, -or blank)	AAEON				
3	Hard Disk (80GB)	MHZ2080BH	Fujitsu				
4	Memory	DDR2-800 1GB/D6408TR7CGL25U	Kingston				
Note:	Note: Client consigns only one 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	PS/2 Mouse	M-S34	LZA81205785	BSMI 4862A011	LOGITECH	Shielded, 1.8m	N/A
2	PS/2 Keyboard	Y-SJ17	867134-1121	SYU23194383	LOGITECH	Shielded, 1.8m with a core	N/A
3	Earphone & Microphone	MSB301	N/A	N/A	e-Sense	Unshielded, 1.7m	N/A
4	USB 2.0 HDD	HD-234	N/A	N/A	A-Tec	Shielded, 1.0m with a core	N/A
5	USB 2.0 HDD	HD-234	N/A	N/A	A-Tec	Shielded, 1.0m with a core	N/A
6	USB 2.0 HDD	HD-234	N/A	N/A	A-Tec	Shielded, 1.0m with a core	N/A
7	USB 2.0 HDD	HD-234	N/A	N/A	A-Tec	Shielded, 1.0m with a core	N/A
8-9	Modem X2	5JEG4033MKO	N/A	5RJTAI-35500-M5-E	TOP- SOLUTION	Shielded, 1.8m	Unshielded, 1.8m
10	Monitor 1	710V	GS17H9NXA16497S	DOC BSMI: R33475	SAMSUNG	Shielded, 1.8m with two cores	Unshielded, 1.8m
11	Monitor 2	2408WFP	N/A	N/A	DELL	Shielded, 1.8m with two cores	Unshielded, 1.8m
12	Server PC 1	DCSM	79QTY1S	BSMI: R33002	DELL	Unshielded, 20m	Unshielded, 1.8m
13	Server PC 2	DCSM	HBQHY1S	BSMI: R33002	DELL	Unshielded, 20m	Unshielded, 1.8m
14	CF Card	N/A	N/A	N/A	N/A	N/A	N/A

- All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 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.

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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, <a href="http://www.ccsemc.com">http://www.ccsemc.com</a>

#### **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	± 3.8792	
Radiated emissions	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)		
FREQUENCT (MIIIZ)	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	

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#### 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	01/05/2010							
BNC CABLE	Huber+Suhner	RG 223/U	BNC B2	01/12/2010							
Pulse Limiter	R&S	ESH3-Z2	100374	08/22/2009							
THERMO- HYGRO METER	ТОР	HA-202	9303-3	02/04/2010							
Test S/W	EMI 32.exe										

**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.

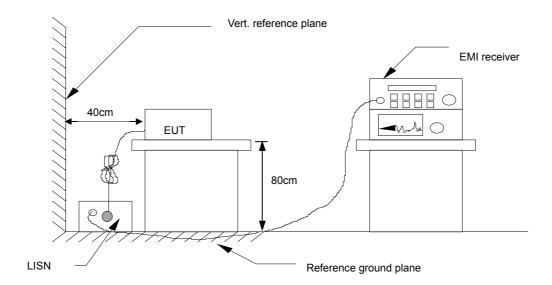
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- All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.
- The test equipment EUT installed received AC main power, through a Line Impedance Stabilization Network (LISN), which supplied power source and was grounded to the 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. (MHz)	Read Level (dBuV)	Factor (dB)	Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark (P/Q/A)	Line (L1/L2)
x.xx	42.95	0.55	43.50	73	-29.50	Q	L1

Freq. = Emission frequency in MHz

Read Level = Uncorrected Analyzer/Receiver reading Factor = Insertion loss of LISN + Cable Loss

Level = Read Level + Factor Limit Line = Limit stated in standard Over Limit = Reading in reference to limit

P = Peak Reading Q = Quasi-peak Reading A = Average Reading

L1 = Hot side L2 = Neutral side

#### **Calculation Formula**

Over Limit (dB) = Level (dBuV) – Limit Line (dBuV)

#### **6.6. TEST RESULTS**

Model No.	DSS-5300	6dB Bandwidth	10 KHz
Environmental Conditions	25°C, 60% RH, 1010mbar	Test Mode	Mode 1
Tested by	JOHN YEN		

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

	Six Highest Conducted Emission Readings											
Frequency Range Investigated					150 KHz to	30 MHz						
Freq. (MHz)	Read Level (dBuV)	Factor (dB)	Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark (P/Q/A)	Line (L1/L2)					
0.150	42.80	11.35	54.15	79.00	-24.85	P	L1					
0.204	41.77	10.94	52.71	79.00	-26.29	P	L1					
0.270	37.81	10.79	48.60	79.00	-30.40	P	L1					
0.152	42.17	10.98	53.15	79.00	-25.85	P	L2					
0.203	40.40	10.61	51.01	79.00	-27.99	P	L2					
0.270	36.32	10.47	46.78	79.00	-32.22	P	L2					

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

<sup>2.</sup> 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)				
FREQUENCY (MHZ)	Class A	Class B			
30 ~ 230	40	30			
230 ~ 1000	47	37			

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Evaguanay (MUz)	Class A (dBu	V/m) (At 3m)	Class B (dBuV/m) (At 3m)		
Frequency (MHz)	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	09/08/2009							
AMPLIFIER	SCHAFFNER	CPA9231A	3626	10/12/2009							
CABLE	BELDEN	9913	N-TYPE #I2	02/22/2010							
THERMO- HYGRO METER	TECPEL	DTM-303	090639	05/24/2010							
Test S/W		Lab VIEW	7.1								
	Ab	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.

<sup>2.</sup> 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.

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- 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.

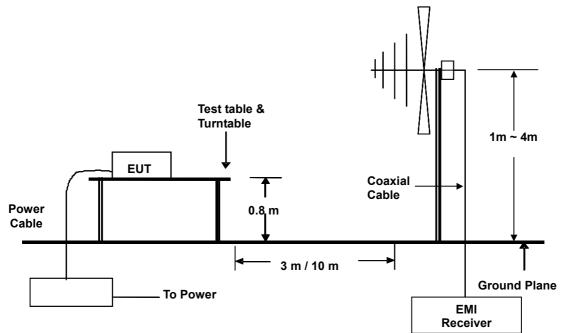
#### **Procedure of Final Test**

• EUT and support equipment were set up on the turntable as per the configuration with highest emission level in the preliminary test.

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

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= Emission frequency in MHz Freq.

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 = Reading in reference to limit Margin

= Peak Reading P = Quasi-peak Reading Q

= Antenna Polarization: Horizontal Η = Antenna Polarization: Vertical

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

#### **Above 1GHz**

A

Freq. (MHz)	Read Level (dBuV)	Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Remark (P/A)	Pol. (H/V)
X.XX	42.95	0.55	43.50	60	-16.50	A	Н

Freq. = Emission frequency in MHz

Read Level = Uncorrected Analyzer/Receiver reading Factor = Antenna Factor + Cable Loss - Amplifier Gain

Level = Read Level + Factor Limit Line = Limit stated in standard = Level – Limit Line Over Limit P = Peak Reading

= Average Reading Η = Antenna Polarization: Horizontal = Antenna Polarization: Vertical V

#### 7.6. TEST RESULTS

#### **Below 1GHz**

Model No.	DSS-5300	Test Mode	Mode 1
Environmental Conditions	175°C X0% RH 1010mhar	6dB Bandwidth	120 KHz
Antenna Pole	Vertical / Horizontal	Antenna Distance	10m
<b>Detector Function</b>	Quasi-peak.	Tested by	JOHN YEN

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

	Six Highest Radiated Emission Readings										
Fre	equency Ran	ge Investigat	ted	30 N	1Hz to 1000	MHz at 10	m				
Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark (P/Q)	Pol. (H/V)				
44.490	49.00	-16.46	32.54	40.00	-7.46	Q	V				
161.310	47.00	-17.46	29.54	40.00	-10.46	Q	V				
323.991	48.40	-12.35	36.05	47.00	-10.95	Q	V				
422.700	43.40	-9.70	33.70	47.00	-13.30	Q	V				
453.591	45.00	-9.05	35.95	47.00	-11.05	Q	V				
500.004	43.80	-7.82	35.98	47.00	-11.02	Q	V				

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

	Six Highest Radiated Emission Readings										
Frequency Range Investigated				30 N	1Hz to 1000	MHz at 10	m				
Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark (P/Q)	Pol. (H/V)				
160.841	44.99	-17.44	27.55	40.00	-12.45	Q	Н				
323.972	54.00	-12.35	41.65	47.00	-5.35	Q	Н				
352.787	46.96	-11.81	35.15	47.00	-11.85	Q	Н				
453.598	44.00	-9.05	34.95	47.00	-12.05	Q	Н				
499.997	44.62	-7.82	36.80	47.00	-10.20	Q	Н				
971.996	36.50	-1.76	34.74	47.00	-12.26	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.	DSS-5300	Test Mode	Mode 1
Environmental Conditions	118°C' 60% RH 1010mbar	6dB Bandwidth	1000 KHz
Antenna Pole	Vertical / Horizontal	Antenna Distance	3m
<b>Detector Function</b>	Quasi-peak.	Tested by	JOHNNY CHEN

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

Radiated Emission Readings							
Frequency Range Investigated			1000 MHz to 8000 MHz at 3m				
Freq. (MHz)	Read Level (dBuV)	Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Remark (P/A)	Pol. (H/V)
1300.000	52.84	-7.90	44.94	80.00	-35.06	P	V
1390.000	54.40	-7.38	47.02	80.00	-32.98	P	V
1415.000	54.40	-7.23	47.17	80.00	-32.83	P	V
1620.000	53.35	-6.00	47.35	80.00	-32.65	P	V
1730.000	52.73	-5.33	47.40	80.00	-32.60	P	V
2135.000	50.21	-3.19	47.02	80.00	-32.98	P	V

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

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

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

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



### PHOTOGRAPHS OF THE TEST CONFIGURATION **CONDUCTED EMISSION TEST**

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### RADIATED EMISSION TEST



