### FCC DoC TEST REPORT

for

**EPIC Express Board** 

**MODEL: EPIC-9457-xxxxxx** 

Test Report Number: 90327207-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.** 

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Issued Date: April 22, 2009







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### **Revision History**

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

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#### 1 TEST RESULT CERTIFICATION

**Product:** EPIC Express Board

**Brand:** AAEON

**Model:** EPIC-9457-xxxxxxx (Where x is 0-9, A-Z, - or blank) for marketing purpose

**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:** March 27, 2009 & March 31, 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	EPIC Express Board		
Brand Name	AAEON		
Model	EPIC-9457-xxxxxxx (Where x is 0-9, A-Z, - or blank) for marketing purpose		
Applicant	AAEON Technology Inc.		
Housing material	N/A		
Identify Number	90327207		
Received Date	March 27, 2009		
EUT Power Rating	12VDC from AC Adaptor		
AC Power During Test	120VAC / 60 Hz		
AC Adaptor Manufacturer	EDAC		
AC Adaptor Model	EA1050A-120		
AC Adaptor Power Rating	I/P: 100-240VAC, 50-60Hz O/P: 12VDC		
AC Power Cord Type	Unshielded, 1.8m (Detachable)		
DC Power Cord Type	Unshielded, 1.1m (Non-detachable, with a core)		
EUT I/O Cable	Shielded, 0.2m (Detachable)		
OSC/Clock Frequencies	14.31818MHz; 25MHz; 32.768kHz		

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#### I/O PORT

I/O PORT TYPES	Q'TY	TESTED WITH
1) PIO Port	1	1
2) SIO Port	4	4
3) VGA Port	1	1
4) DVI Port	1	1
5) Audio In Port	1	1
6) Microphone Port	1	1
7) Earphone Port	1	1
8) USB Port	6	6
9) LAN Port	2	2
10) S-Video Port	1	1
11) PS/2 one to two adaptor Port	1	1
12) DIO Port	1	1

Note: Client consigns only one model sample to test (Model Number: EPIC-9457).

#### 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 Modes:**

1.	DVI + D-SUB Mode
2.	S-Video Mode

#### **Radiation Modes:**

1	DVI + D-SUB Mode
1.	DVI + D-SUB Mode / 1-8GHz
2.	S-Video Mode

**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 "C:/& E:/& F:/& G:/ & H:/ & I:/& J:/" 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 Notebook).
- 6. Press the start menu, select executive and type ping 192.168.0.3 –t (EUT), ping 192.168.0.1–t (Server Notebook).

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.

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#### **Host PC Devices:**

No.	Equipment	Model No.	Trade Name
1	CPU (1.6GHz)	Atom	Intel
2	Memory (256MB DDR2-5333)	HY5PS121621B	Hynix
3	CF Card (2GB)	N/A	TRANSCEND

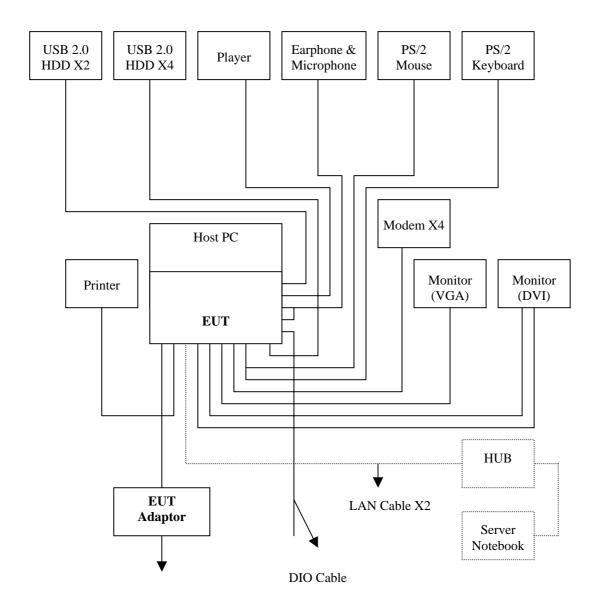
#### **Peripherals Devices:**

No.	Equipment	Model No.	Serial No.	FCC ID / BSMI ID	Trade Name	Data Cable	Power Cord
1-6	USB 2.0 HDD X6	F12-U	N/A	BSMI ID: 4912A002	TeraSys	Shielded, 1.8m	N/A
7	Player	RQ-L317	N/A	N/A	PANASONIC	Unshielded, 1.4m	N/A
8	Earphone & Microphone	MSB301	N/A	N/A	e-Sense	Unshielded, 2.0m	N/A
9	PS/2 Mouse	M071KC	443029438	DOC BSMI: R41108	DELL	Shielded, 1.8m	N/A
10	PS/2 Keyboard	SK-8110	N/A	DOC BSMI: T3A002	DELL	Shielded, 1.8m	N/A
11-14	Modem X4	5JEG4033MKO	N/A	5RJTAI-35500-M5-E	TOP- SOLUTION	Shielded, 1.4m	Unshielded, 1.8m
15	Printer	C60	DR3K039402	BSMI ID:3902E006	EPSON	Shielded, 1.8 m	Unshielded, 1.8m
16	Monitor (D-SUB)	710V	GS17H9NXA164 97S	DOC BSMI: R33475	SAMSUNG	Shielded, 1.8m with two cores	Unshielded, 1.8m
17	Monitor (DVI)	2408WFP	N/A	N/A	DELL	DVI: Shielded, 1.8m with two cores S-Video: Unshielded, 1.4m	Unshielded, 1.8m
18	HUB	DGS-1008D	N/A	N/A	D-Link	Unshielded, 20m x2	Unshielded, 1.8m
19	Server Notebook	2210B	CNV7472KG5	DoC BSMI: R33001	НР	Unshielded, 1.0m	Unshielded, 1.8m
20	DIO Cable	N/A	N/A	N/A	N/A	Shielded, 1.1m	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 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 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
TICA	FCC

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

#### **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	± 1.7376	
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: 2006, 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 (MIIZ)	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 # A							
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due			
TEST RECEIVER	R&S	ESHS20	840455/006	02/12/2010			
LISN (EUT)	SCHWARZBECK	NSLK 8127	8127382	12/09/2009			
LISN	SOLAR	8012-50-R-24-BNC	8305114	12/09/2009			
BNC CABLE	MIYAZAKI	5D-FB	BNC A4	05/12/2009			
THERMO- HYGRO METER	TECPEL	DTM-303	No.7	11/24/2009			
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.

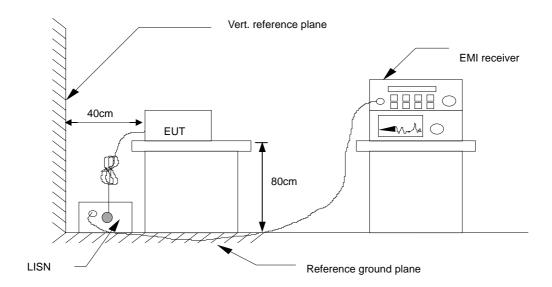
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- All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.
- The test equipment EUT installed received AC main power, through a Line Impedance Stabilization Network (LISN), which supplied power source and was grounded to the 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.	EPIC-9457	6dB Bandwidth	10 KHz
Environmental Conditions	22°C, 60% RH, 1010mbar	Test Mode	Mode 1
Tested by	Jason Lee		

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

	Six Highest Conducted Emission Readings						
Free	quency Ran	ge Investiga	ated	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	56.08	0.07	56.15	79.00	-22.85	P	L1
0.186	59.48	0.07	59.55	79.00	-19.45	P	L1
0.247	53.06	0.07	53.13	79.00	-25.87	P	L1
0.150	52.54	0.08	52.62	79.00	-26.38	P	L2
0.184	61.60	0.08	61.68	79.00	-17.32	P	L2
0.247	53.22	0.08	53.30	79.00	-25.70	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)			
FREQUENCT (WIIIZ)	Class A	Class B		
30 ~ 230	40	30		
230 ~ 1000	47	37		

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Frequency (MHz)	Class A (dBu	V/m) (At 3m)	Class B (dBuV/m) (At 3m)		
Frequency (WIIIZ)	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:  $20 \log (3/10) = -10.4576 dB$ .

#### 7.2. TEST INSTRUMENTS

	Open Area Test Site # I							
Name of Equipment	Manufacturer	Model	Serial Number	<b>Calibration Due</b>				
MEASURE RECEIVER	SCHAFFNER	SCR3501	338	06/09/2009				
SPECTRUM ANALYZER	ADVANTEST	R3132	120900008	No Calibration Required				
ANTENNA	SCHAFFNER	CBL 6112B	2809	09/09/2009				
AMPLIFIER	SCHAFFNER	CPA9231A	3626	10/12/2009				
CABLE	BELDEN	9913	N-TYPE #I2	01/22/2010				
THERMO- HYGRO METER	TECPEL	DTM-303	080268	11/24/2009				
Test S/W		Lab VIE	W 7.1					
	Abo	ve 1GHz Used						
SPECTRUM ANALYZER (3Hz-44GHz)	Agilent	E4446A	MY48250064	10/28/2009				
ANTENNA (1-18GHz)	EMCO	3115	00022256	01/22/2010				
AMPLIFIER (1-18GHz)	НР	8449B	3008A01266	01/19/2010				
CABLE (1-18GHz)	JYEBAO	LL142	SMA#RS1	01/19/2010				
CABLE (1-18GHz)			SMA#RS3	01/19/2010				
CABLE (1-18GHz)	IVERAC		SMA#C1	01/19/2010				
Test S/W		EZ-E	MC					

**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 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.

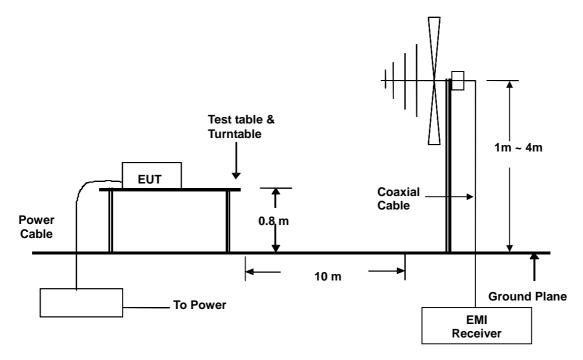
#### **Procedure of Final Test**

• 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/A)	Pol. (H/V)
x.xx	14.0	12.2	26.2	40	-13.8	Q	Н

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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 A = Average Reading

H = Antenna Polarization: Horizontal V = Antenna Polarization: Vertical

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

#### **Above 1GHz**

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

Over Limit = Level - Limit Line

P = Peak Reading

A = Average Reading

H = Antenna Polarization: Horizontal V = Antenna Polarization: Vertical

#### 7.6. TEST RESULTS

#### **Below 1GHz**

Model No.	EPIC-9457	Test Mode	Mode 1
Environmental Conditions	125°C 80% RH 1010mbar	6dB Bandwidth	120 KHz
Antenna Pole	Vertical & Horizontal	Antenna Distance	10m
<b>Detector Function</b>	Quasi-peak.	Tested by	David Cheng

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

Six Highest Radiated Emission Readings							
Frequency Range Investigated			30 MHz to 1000 MHz at 10m				
Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark (P/Q/A)	Pol. (H/V)
37.240	45.90	-13.98	31.92	40.00	-8.09	Q	V
74.590	53.70	-21.53	32.17	40.00	-7.84	Q	V
150.170	45.10	-16.89	28.21	40.00	-11.79	Q	V
166.500	53.90	-17.68	36.22	40.00	-3.78	Q	V
199.240	55.10	-18.19	36.91	40.00	-3.09	Q	V
250.010	49.60	-14.25	35.35	47.00	-11.65	Q	$\mathbf{V}$

	Six Highest Radiated Emission Readings							
Frequency Range Investigated			30 MHz to 1000 MHz at 10m					
Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark (P/Q/A)	Pol. (H/V)	
86.730	49.30	-19.34	29.96	40.00	-10.04	Q	H	
166.500	54.20	-17.68	36.52	40.00	-3.48	Q	Н	
249.970	49.50	-14.26	35.24	47.00	-11.76	Q	Н	
480.040	44.10	-8.35	35.75	47.00	-11.25	Q	Н	
690.040	46.80	-4.83	41.97	47.00	-5.03	Q	Н	
904.680	37.30	-1.86	35.44	47.00	-11.56	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 A= Average Reading.

#### **Above 1GHz**

Model No.	EPIC-9457	Test Mode	Mode 1
Environmental Conditions	126°C 60% RH 1010mhar	6dB Bandwidth	1000 KHz
Antenna Pole	Vertical & Horizontal	Antenna Distance	3m
Detector Function	Quasi-peak.	Tested by	Jason Lee

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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)	Reading (dBuV)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark (P/A)	Pol. (H/V)
1748.000	47.31	-7.46	39.85	80.00	-40.15	P	V
2462.000	60.83	-4.42	56.41	80.00	-23.59	P	${f V}$
3550.000	54.67	-0.63	54.04	80.00	-25.96	P	$\mathbf{V}$
5726.000	55.05	4.36	59.41	80.00	-20.59	P	V
7494.000	50.56	6.88	57.44	80.00	-22.56	P	V

Radiated Emission Readings							
Frequency Range Investigated			1000 MHz to 8000 MHz at 3m				
Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark (P/A)	Pol. (H/V)
2054.000	47.02	-5.73	41.29	80.00	-38.71	P	H
2462.000	57.83	-4.42	53.41	80.00	-26.59	P	Н
3890.000	54.74	0.53	55.27	80.00	-24.73	P	Н
5964.000	53.31	4.22	57.53	80.00	-22.47	P	Н
7222.000	49.99	6.07	56.06	80.00	-23.94	P	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



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#### RADIATED EMISSION TEST



