



CERTIFICATE

Issued Date: Mar. 07, 2012

Report No.: 122430R-ITCEP07V04

This is to certify that the following designated product

Product : Vehicle Mount Display

Trade name : NEXCOM

Model Number : VMD2000XXXXXXXXXXXXXXXXXX

(where X may be any alphanumeric character or blank)

Company Name : NEXCOM International Co., LTD

This product, which has been issued the test report listed as above in Quietek Laboratory, is based on a single evaluation of one sample and confirmed to comply with the requirements of the following EMC standard.

EN 55022: 2010

EN 55024: 2010

IEC 61000-4-2: 2008

IEC 61000-4-3: 2010

IEC 61000-4-8: 2009

TEST LABORATORY

Vincent Lin / Manager



Test Report

Product Name : Vehicle Mount Display
Model No. : VMD2000XXXXXXXXXXXXXXXXXX
(where X may be any alphanumeric character or blank)

Applicant : NEXCOM International Co., LTD
Address : 15F, No.920, Chung-Cheng Rd., Zhonghe Dist.,
New Taipei City 235, Taiwan.

Date of Receipt : 2012/02/17
Issued Date : 2012/03/07
Report No. : 122430R-ITCEP07V04
Report Version : V0.3-Draft



The test results relate only to the samples tested.
The test results shown in the test report are traceable to the national/international standard through the calibration of the equipment and evaluated measurement uncertainty herein.
This report must not be used to claim product endorsement by TAF, NVLAP or any agency of the Government.
The test report shall not be reproduced except in full without the written approval of Quietek Corporation.



Declaration of Conformity

We herewith confirm the following designated products to comply with the requirements set out in the Council Directive on the approximation of the laws of the Member States relating to Electromagnetic Compatibility Directive (2004/108/EC) with applicable standards listed below.

Product : Vehicle Mount Display
Trade name : NEXCOM
Model Number : VMD2000XXXXXXXXXXXXXXXXXX
(where X may be any alphanumeric character or blank)
Applicable Harmonized : EN 55022: 2010, Class B
Standards under Directive EN 55024: 2010
2004/108/EC

Company Name : _____
Company Address : _____
Telephone : _____ Facsimile : _____

Person in responsible for marking this declaration:

_____ Name (Full Name)	_____ Title/ Department
_____ Date	_____ Legal Signature



Quietek Corporation

Date: Mar. 07, 2012
QTK No.: 122430R-ITCEP07V04



Statement of Conformity

This statement is to certify that the designated product below.

Product : Vehicle Mount Display
Trade name : NEXCOM
Model Number : VMD2000XXXXXXXXXXXXXXXXXX
(where X may be any alphanumeric character or blank)
Company Name : NEXCOM International Co., LTD
Applicable Standards : EN 55022: 2010, Class B
EN 55024: 2010

One sample of the designated product has been tested and evaluated in our laboratory to find in compliance with the applicable standards above. The issued test report(s) show(s) it in detail.

Report Number : 122430R-ITCEP07V04

TEST LABORATORY

Vincent Lin / Manager

The verification is based on a single evaluation of one sample of above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab. Logo.

Test Report Certification

Issued Date : 2012/03/07
Report No. : 122430R-ITCEP07V04



Product Name : Vehicle Mount Display

Applicant : NEXCOM International Co., LTD

Address : 15F, No.920, Chung-Cheng Rd., Zhonghe Dist., New Taipei
City 235, Taiwan.

Manufacturer : NEXCOM International Co., LTD

Model No. : VMD2000XXXXXXXXXXXXXXXXXX
(where X may be any alphanumeric character or blank)

EUT Rated Voltage : AC 100-240V, 50-60Hz

EUT Test Voltage : AC 230 V / 50 Hz

Trade Name : NEXCOM

Applicable Standard : EN 55022: 2010, Class B
EN 55024: 2010

Test Result : Complied

Performed Location : Quietek Corporation (Linkou Laboratory)
No.5-22, Ruishukeng, Linkou Dist., New Taipei City 24451,
Taiwan, R.O.C
TEL:+866-2-8601-3788 / FAX:+886-2-8601-3789

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Approved By : Vincent Lin
(Manager / Vincent Lin)

Laboratory Information

We, **Quietek Corporation**, are an independent EMC and safety consultancy that was established the whole facility in our laboratories. The test facility has been accredited/accepted (audited or listed) by the following related bodies in compliance with ISO 17025, EN 45001 and specified testing scopes:

Taiwan R.O.C.	:	BSMI, NCC, TAF
Germany	:	TUV Rheinland
Norway	:	Nemko, DNV
USA	:	FCC, NVLAP
Japan	:	VCCI

The related certificate for our laboratories about the test site and management system can be downloaded from Quietek Corporation's Web Site : <http://www.quietek.com/tw/ctg/cts/accreditations.htm>
 The address and introduction of Quietek Corporation's laboratories can be founded in our Web site : <http://www.quietek.com/>

If you have any comments, Please don't hesitate to contact us. Our contact information is as below:

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TEL : 886-2-8601-3788 / FAX : 886-2-8601-3789 E-Mail : service@quietek.com



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1. General Information

1.1. EUT Description

Product Name	Vehicle Mount Display
Trade Name	NEXCOM
Model No.	VMD2000XXXXXXXXXXXXXXXXXX (where X may be any alphanumeric character or blank)

1.2. Mode of Operation

QuieTek has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

Pre-Test Mode	
Mode 1: DVI (800*600/60Hz)	
Final Test Mode	
Emission	Mode 1: DVI (800*600/60Hz)
Immunity	Mode 1: DVI (800*600/60Hz)

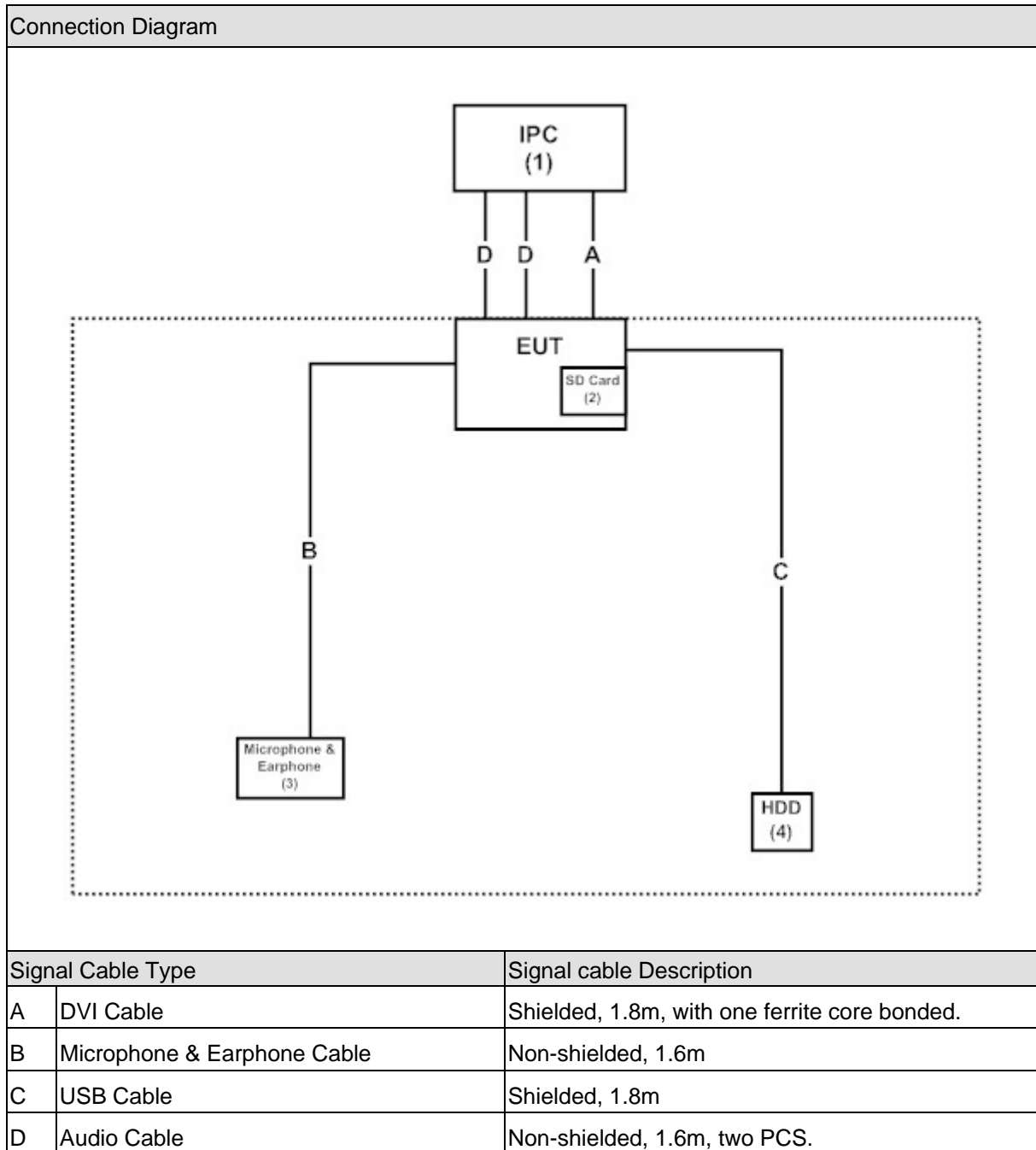
1.3. Tested System Details

The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product	Manufacturer	Model No.	Serial No.	Power Cord
1 Vehicle Mount Display	NEXCOM	VTC6110	N/A	Non-Shielded, 1.8m
2 SD Card 128MB	Transcend	TS128MSD80	142003-0827	N/A
3 Microphone & Earphone	Ergotech	ET-E201	N/A	N/A
4 HDD(1T) (EMI)	ADATA	ASH02-1TU-CBK	1B3320071830	Non-Shielded, 1.8m
IPod nano (EMS)	Apple	A1199	5U705F9HVQ5	N/A

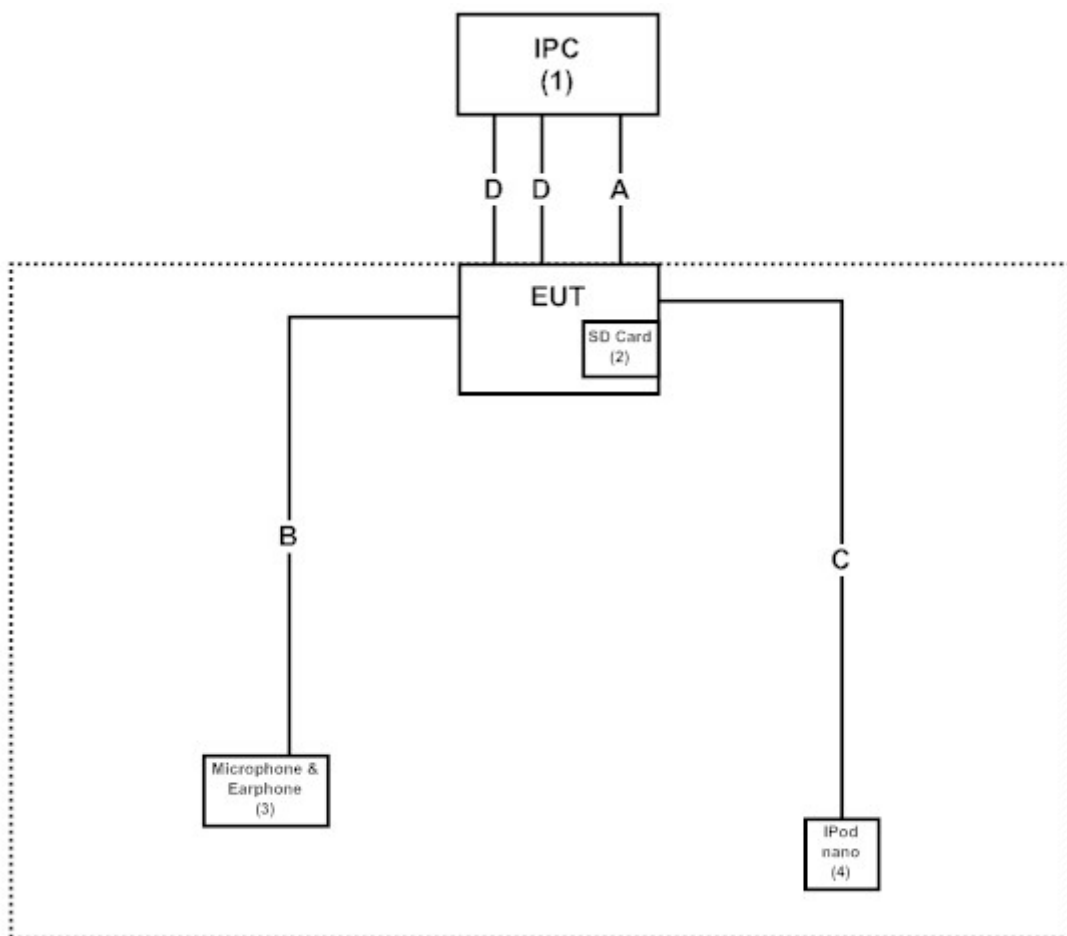
1.4. Configuration of Tested System

For EMI



For EMS

Connection Diagram



Signal Cable Type		Signal cable Description
A	DVI Cable	Shielded, 1.8m, with one ferrite core bonded.
B	Microphone & Earphone Cable	Non-shielded, 1.6m
C	USB Cable	Shielded, 1.2m
D	Audio Cable	Non-shielded, 1.6m, two PCS.

1.5. EUT Exercise Software

1	Setup the EUT and simulators as shown on 1.4.
2	Turn on the power of all equipment.
3	The EUT will start to operate and display the video figure from the signal source.
4	The EUT will display "video figure" on monitor.
5	Repeat the above procedure (3) to (4).

2. Technical Test

2.1. Summary of Test Result

- No deviations from the test standards
 Deviations from the test standards as below description:

Emission			
Performed Item	Normative References	Test Performed	Deviation
Conducted Emission	EN 55022: 2006+A1: 2007	No	No
Impedance Stabilization Network	EN 55022: 2006+A1: 2007	No	No
Radiated Emission	EN 55022: 2006+A1: 2007	Yes	No
Power Harmonics	EN 61000-3-2:2006+A2: 2009	No	No
Voltage Fluctuation and Flicker	EN 61000-3-3:2008	No	No

Immunity			
Performed Item	Normative References	Test Performed	Deviation
Electrostatic Discharge	IEC 61000-4-2: 2008	Yes	No
Radiated susceptibility	IEC 61000-4-3: 2010	Yes	No
Electrical fast transient/burst	IEC 61000-4-4: 2011	No	No
Surge	IEC 61000-4-5: 2005	No	No
Conducted susceptibility	IEC 61000-4-6: 2008	No	No
Power frequency magnetic field	IEC 61000-4-8: 2009	Yes	No
Voltage dips and interruption	IEC 61000-4-11: 2004	No	No

2.2. List of Test Equipment

Radiated Emission / Site6

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
Bilog Antenna	Schaffner Chase	CBL6112B	2909	2011/07/22
EMI Test Receiver	R&S	ESCS 30	100368	2011/10/26
Pre-Amplifier	QTK	AP-025C	0506002	2011/06/29
Spectrum Analyzer	Agilent	E4411B	MY45119690	2011/12/19
Site6 NSA	QTK	N/A	N/A	2011/06/29

Radiated Emission / CB7

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
EMI Test Receiver	Agilent	E4440A	MY46185846	2011/12/12
Horn Antenna	ETS-Lindgren	3117	00135205	2011/03/25
Horn Antenna	SCHWARZBECK	9120D	576	2011/11/14
Pre-Amplifier	Quietek	AP-180C	CHM/071920	2011/07/12
CB7 VSWR	QTK	N/A	N/A	2011/08/25

Electrostatic Discharge / SR6

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
ESD Simulator System	Noiseken	TC-815R	ESS0929097	2011/06/16
Horizontal Coupling Plane(HCP)	Quietek	HCP AL50	N/A	N/A
Vertical Coupling Plane(VCP)	Quietek	VCP AL50	N/A	N/A

Radiated susceptibility / CB5

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
AF-BOX	R&S	AF-BOX ACCUST	100007	N/A
Audio Analyzer	R&S	UPL 16	100137	2011/05/09
Biconilog Antenna	EMCO	3149	00071675	N/A
Directional Coupler	A&R	DC 6180	22735	N/A
Dual Microphone Supply	B&K	5935	2426784	2011/04/21
Mouth Simulator	B&K	4227	2439692	2011/04/21
Power Amplifier	A&R	30S1G3	309453	N/A
Power Amplifier	A&R	100W10000M7	A285000010	N/A
Power Amplifier	SCHAFFNER	CBA9413B	4020	N/A
Power Amplifier	AR	75A250A	0325371	N/A
Power Meter	R&S	NRVD(P.M)	100219	2011/05/09
Pre-Amplifier	A&R	150A220	23067	N/A
Probe Microphone	B&K	4182	2278070	2011/04/21
Signal Generator	R&S	SMT03	100170	2011/05/09
Calibration of field	QTK	N/A	N/A	2011/05/12

Power frequency magnetic field / SR3

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
Induction Coil Interface	Schaffner	INA 2141	6002	N/A
Magnetic Loop Coil	Schaffner	INA 702	160	N/A

2.3. Measurement Uncertainty

Radiated Emission

The measurement uncertainty is evaluated as ± 3.19 dB.

Electrostatic Discharge

As what is concluded in the document from Note2 of clause 5.4.6.2 of ISO/IEC 17025, the requirements for measurement uncertainty in ESD testing are deemed to have been satisfied, and the testing is reported in accordance with the relevant ESD standards. The immunity test signal from the ESD system meet the required specifications in IEC 61000-4-2 through the calibration report with the calibrated uncertainty for the waveform of voltage and timing as being 3.0 % and 3.8%.

Radiated susceptibility

As what is concluded in the document from Note2 of clause 5.4.6.2 of ISO/IEC 17025, the requirements for measurement uncertainty in RS testing are deemed to have been satisfied, and the testing is reported in accordance with the relevant RS standards. The immunity test signal from the RS system meet the required specifications in IEC 61000-4-3 through the calibration for the uniform field strength and monitoring for the test level with the uncertainty evaluation report for the electrical filed strength as being 3.57 dB.

Power frequency magnetic field

As what is concluded in the document from Note2 of clause 5.4.6.2 of ISO/IEC 17025, the requirements for measurement uncertainty in PFM testing are deemed to have been satisfied, and the testing is reported in accordance with the relevant PFM standards. The immunity test signal from the PFM system meet the required specifications in IEC 61000-4-8 through the calibration report with the calibrated uncertainty for the Gauss Meter to verify the output level of magnetic field strength as being 2.0 %.

2.4. Test Environment

Performed Item	Items	Required	Actual
Radiated Emission	Temperature (°C)	15-35	25
	Humidity (%RH)	25-75	52
	Barometric pressure (mbar)	860-1060	950-1000
Electrostatic Discharge	Temperature (°C)	15-35	23
	Humidity (%RH)	30-60	53
	Barometric pressure (mbar)	860-1060	950-1000
Radiated susceptibility	Temperature (°C)	15-35	21
	Humidity (%RH)	25-75	52
	Barometric pressure (mbar)	860-1060	950-1000
Power frequency magnetic field	Temperature (°C)	15-35	21
	Humidity (%RH)	25-75	52
	Barometric pressure (mbar)	860-1060	950-1000

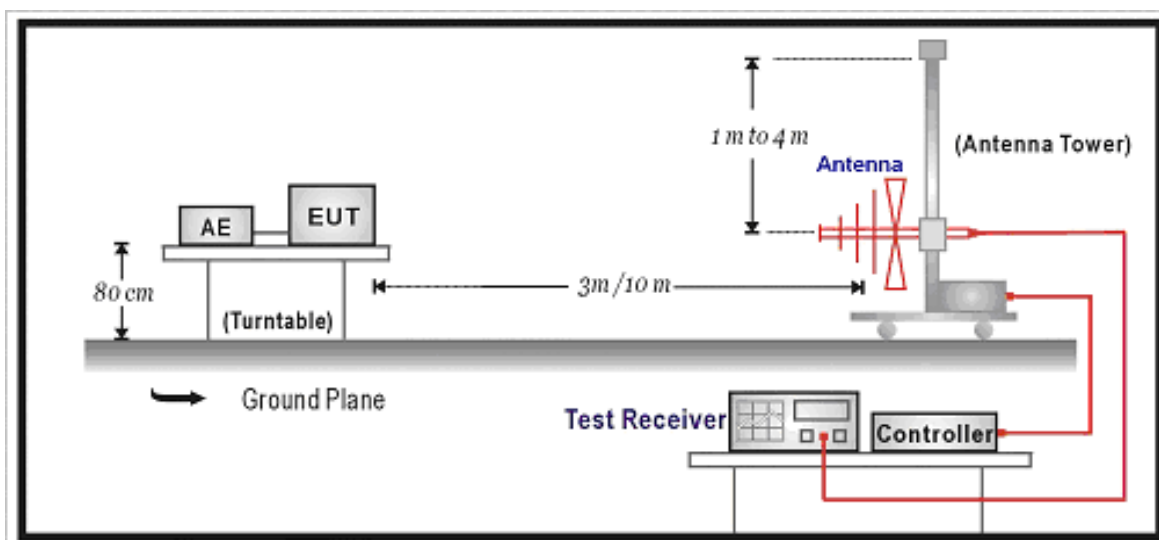
3. Radiated Emission

3.1. Test Specification

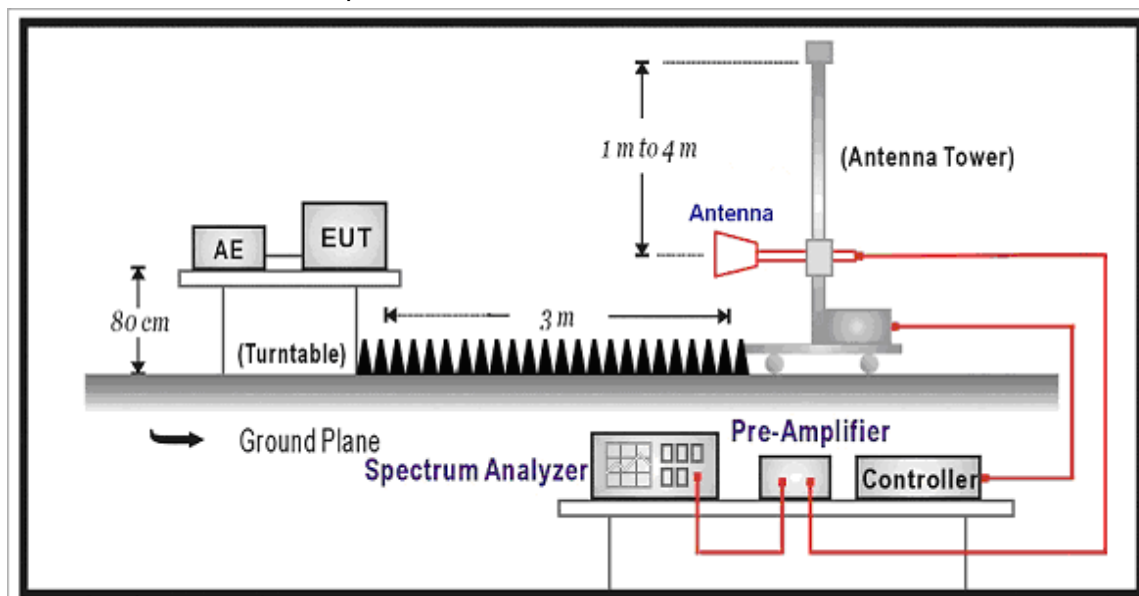
According to EMC Standard : EN 55022

3.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



3.3. Limit

Limits		
Frequency (MHz)	Distance (m)	dBuV/m
30 – 230	10	30
230 – 1000	10	37

Limits			
Frequency (GHz)	Distance (m)	Peak (dBuV/m)	Average (dBuV/m)
1 – 3	3	70	50
3 – 6	3	74	54

Remark:

1. The tighter limit shall apply at the edge between two frequency bands.
2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 108	1000
108 – 500	2000
500 – 1000	5000
Above 1000	5 th harmonic of the highest frequency or 6 GHz, whichever is lower

3.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3/10 meters. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated on radiated measurement.

Radiated emissions were investigated over the frequency range from 30MHz to 1GHz using a receiver bandwidth of 120kHz and above 1GHz using a receiver bandwidth of 1MHz.

30MHz to 1GHz Radiated was performed at an antenna to EUT distance of 10 meters.

Above 1GHz Radiated was performed at an antenna to EUT distance of 3 meters.

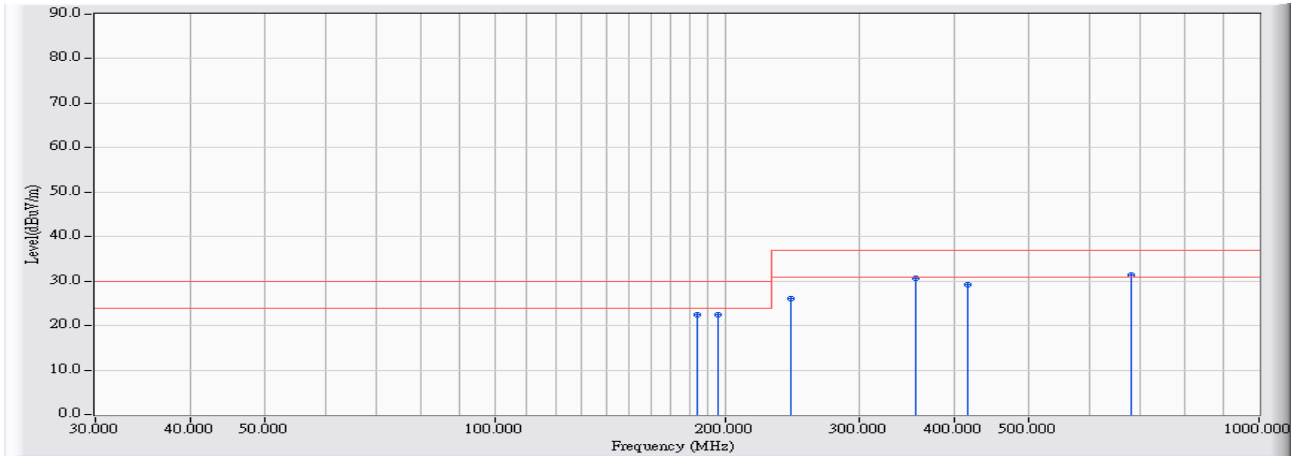
It is placed with absorb on the ground between EUT and Antenna.

3.5. Deviation from Test Standard

No deviation.

3.6. Test Result

Site : Site6	Time : 2012/02/17 - 17:28
Limit : CISPR_B_10M_QP	Margin : 6
EUT : Vehicle Mount Display	Probe : Site6_CBL6112_10M_0726 - HORIZONTAL
Power : AC 230V/50Hz	Note : Mode 1

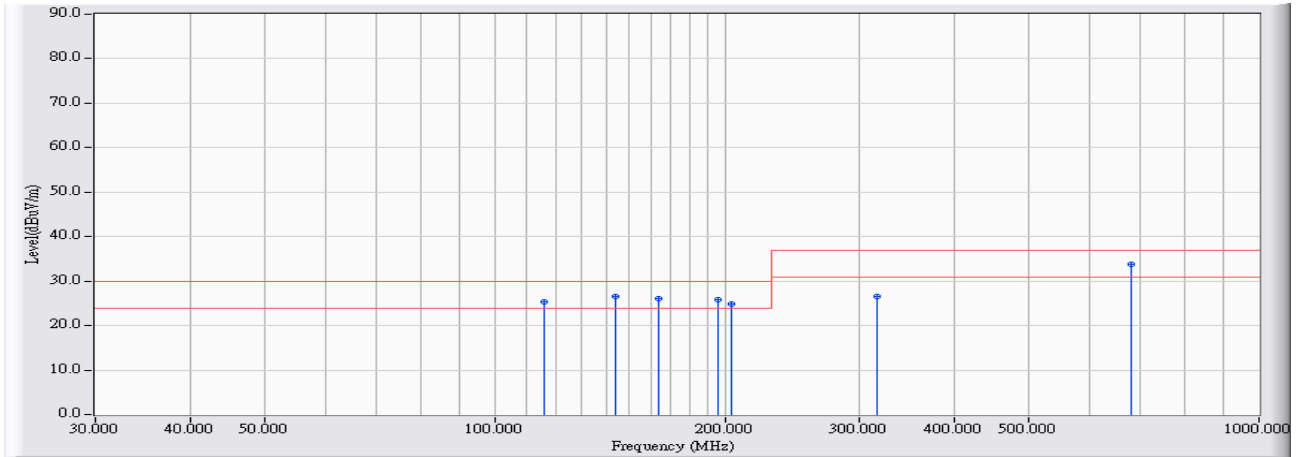


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	183.990	-20.762	43.300	22.538	-7.462	30.000	QUASPEAK
2	196.000	-20.028	42.500	22.473	-7.527	30.000	QUASPEAK
3	244.000	-17.656	43.600	25.944	-11.056	37.000	QUASPEAK
4	356.000	-12.468	43.200	30.732	-6.268	37.000	QUASPEAK
5	415.980	-10.830	40.000	29.170	-7.830	37.000	QUASPEAK
6	* 680.000	-6.337	37.800	31.463	-5.537	37.000	QUASPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : Site6	Time : 2012/02/17 - 16:55
Limit : CISPR_B_10M_QP	Margin : 6
EUT : Vehicle Mount Display	Probe : Site6_CBL6112_10M_0726 - VERTICAL
Power : AC 230V/50Hz	Note : Mode 1

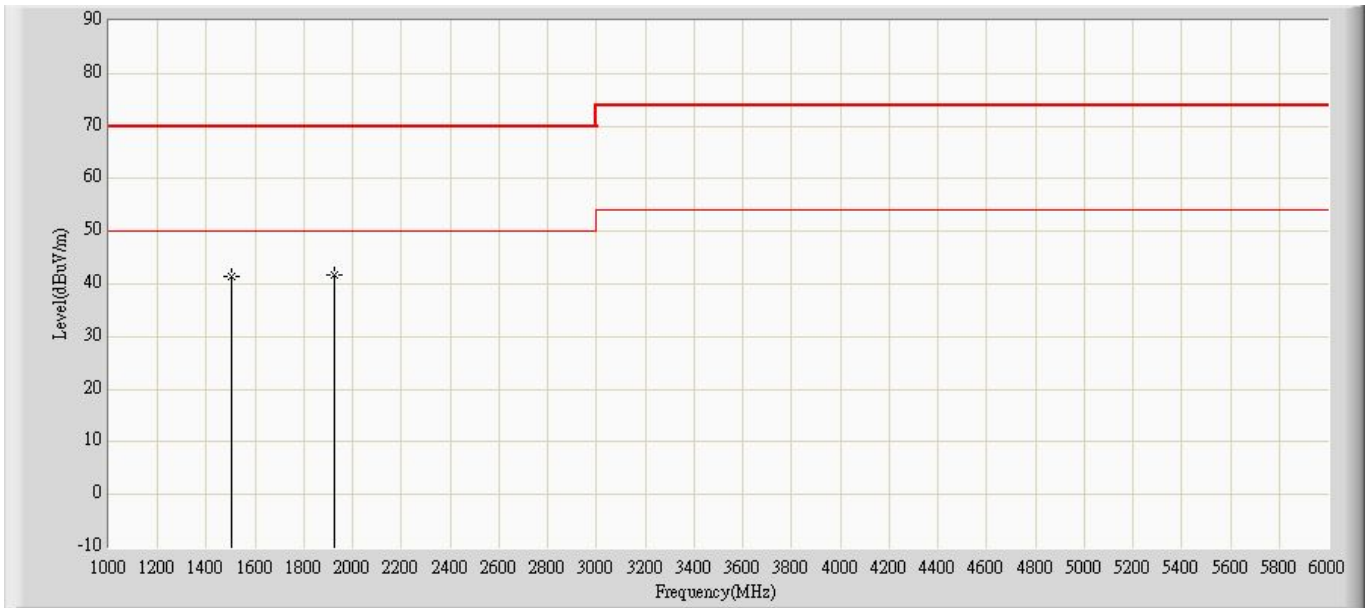


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	116.000	-16.713	42.000	25.286	-4.714	30.000	QUASIPeAK
2	143.980	-17.934	44.400	26.466	-3.534	30.000	QUASIPeAK
3	163.990	-19.796	45.800	26.005	-3.995	30.000	QUASIPeAK
4	196.000	-20.704	46.500	25.796	-4.204	30.000	QUASIPeAK
5	203.990	-19.896	44.800	24.905	-5.095	30.000	QUASIPeAK
6	316.000	-15.409	42.000	26.592	-10.408	37.000	QUASIPeAK
7	* 680.000	-4.250	38.100	33.850	-3.150	37.000	QUASIPeAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site: CB7	Time: 2012/03/01 - 00:32
Limit: EN55022_B_(Above_1G)	Margin: 0
Probe: CB7_Horn_3117_0325	Polarity: Horizontal
EUT : Vehicle Mount Display	Power: AC 230V/50Hz
Note: Mode 1	

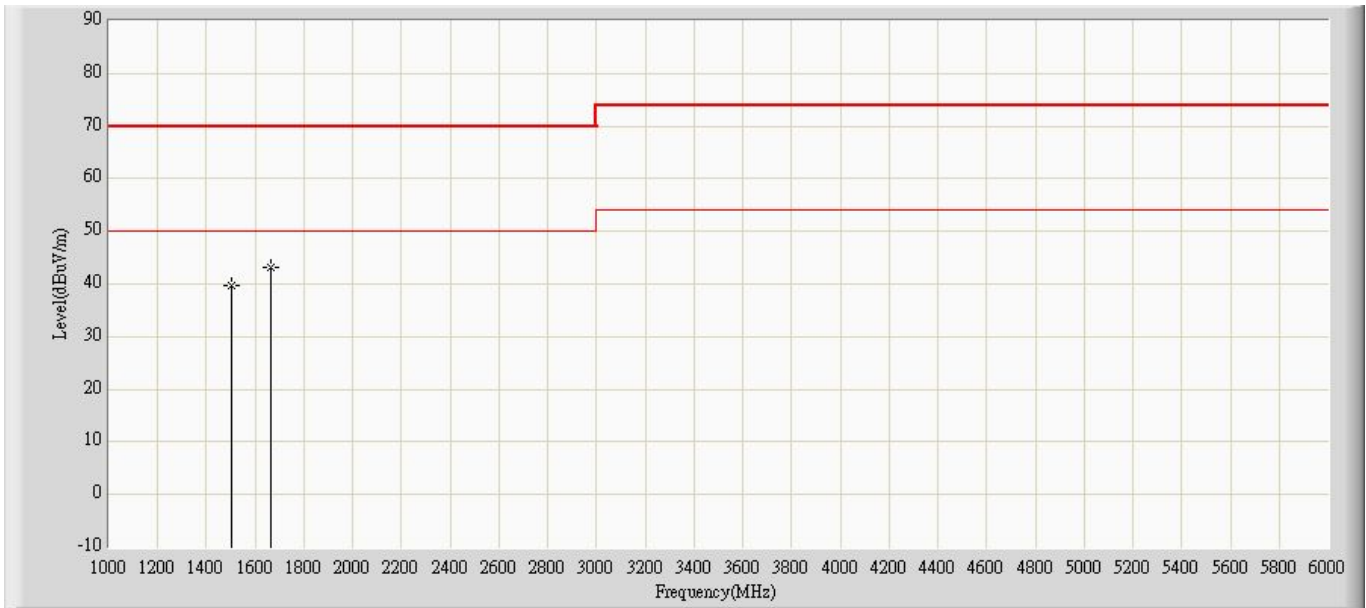


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			1500.000	41.307	46.070	-28.693	70.000	-4.762	PK
2		*	1925.000	41.861	43.550	-28.139	70.000	-1.690	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Site: CB7	Time: 2012/03/01 - 00:37
Limit: EN55022_B_(Above_1G)	Margin: 0
Probe: CB7_Horn_3117_0325	Polarity: Vertical
EUT : Vehicle Mount Display	Power: AC 230V/50Hz
Note: Mode 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			1500.000	39.606	44.580	-30.394	70.000	-4.974	PK
2		*	1662.000	43.280	46.570	-26.720	70.000	-3.289	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

3.7. Test Photograph

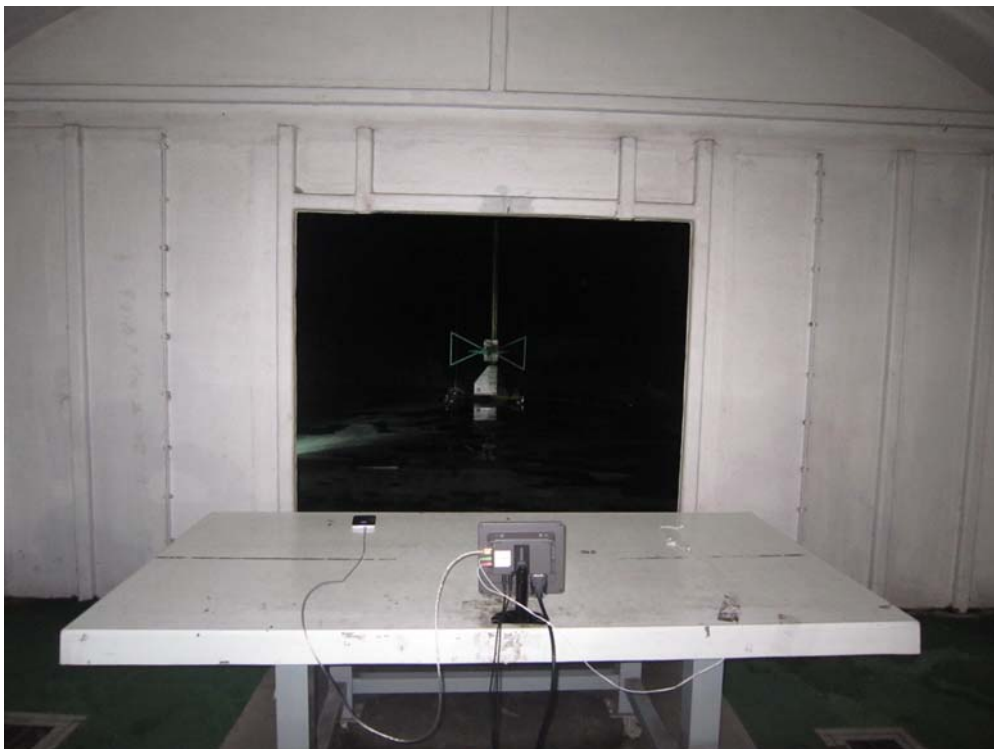
Test Mode : Mode 1: DVI (800*600/60Hz)

Description : Front View of Radiated Test



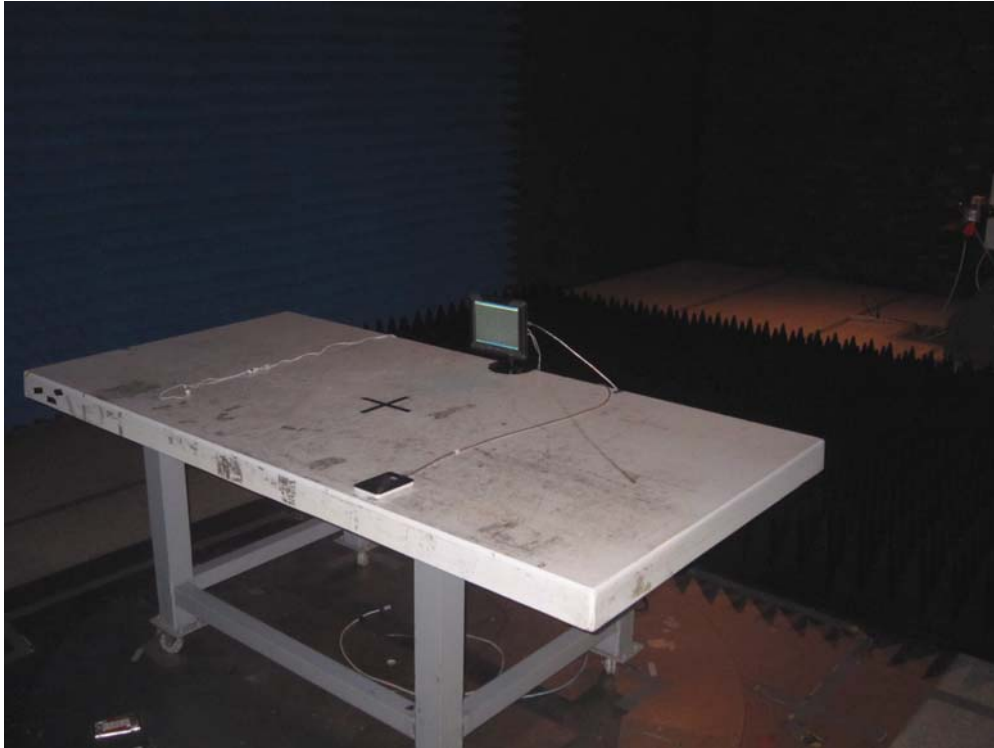
Test Mode : Mode 1: DVI (800*600/60Hz)

Description : Back View of Radiated Test



Test Mode : Mode 1: DVI (800*600/60Hz)

Description : Front View of High Frequency Radiated Test

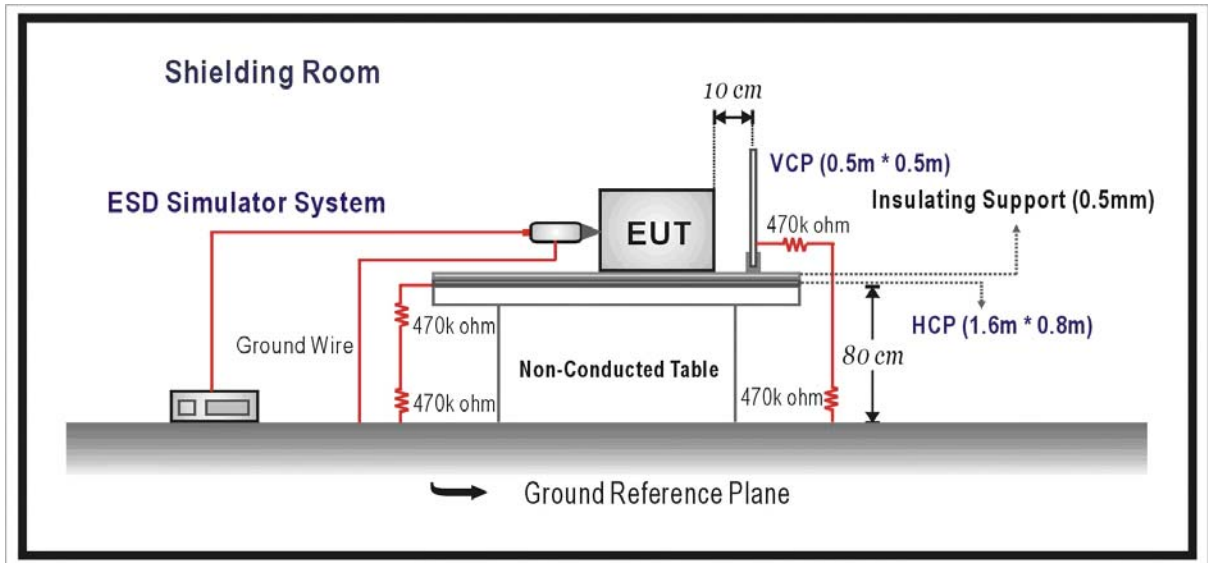


4. Electrostatic Discharge

4.1. Test Specification

According to Standard : IEC 61000-4-2

4.2. Test Setup



4.3. Limit

Item	Environmental Phenomena	Units	Test Specification	Performance Criteria
Enclosure Port				
	Electrostatic Discharge	kV(Charge Voltage)	±8 Air Discharge ±4 Contact Discharge	B

4.4. Test Procedure

Direct application of discharges to the EUT:

Contact discharge was applied only to conductive surfaces of the EUT.

Air discharges were applied only to non-conductive surfaces of the EUT.

During the test, it was performed with single discharges. For the single discharge time between successive single discharges will be keep longer 1 second. It was at least ten single discharges with positive and negative at the same selected point.

The selected point, which was performed with electrostatic discharge, was marked on the red label of the EUT.

Indirect application of discharges to the EUT:

Vertical Coupling Plane (VCP):

The coupling plane, of dimensions 0.5m x 0.5m, is placed parallel to, and positioned at a distance 0.1m from, the EUT, with the Discharge Electrode touching the coupling plane.

The four faces of the EUT will be performed with electrostatic discharge. It was at least ten single discharges with positive and negative at the same selected point.

Horizontal Coupling Plane (HCP):

The coupling plane is placed under to the EUT. The generator shall be positioned vertically at a distance of 0.1m from the EUT, with the Discharge Electrode touching the coupling plane.

The four faces of the EUT will be performed with electrostatic discharge. It was at least ten single discharges with positive and negative at the same selected point.

4.5. Deviation from Test Standard

No deviation.

4.6. Test Result

Product	Vehicle Mount Display		
Test Item	Electrostatic Discharge		
Test Mode	Mode 1: DVI (800*600/60Hz)		
Date of Test	2012/03/02	Test Site	No.6 Shielded Room

Item	Amount of Discharge	Voltage	Required Criteria	Complied To Criteria (A,B,C)	Results
Air Discharge	10	+8kV	B	B	Pass
	10	-8kV	B	B	Pass
Contact Discharge	25	+4kV	B	B	Pass
	25	-4kV	B	B	Pass
Indirect Discharge (HCP)	25	+4kV	B	B	Pass
	25	-4kV	B	B	Pass
Indirect Discharge (VCP)	25	+4kV	B	B	Pass
	25	-4kV	B	B	Pass

Note:

The testing performed is from lowest level up to the highest level as required by standard, but only highest level is shown on the report.

NR: No Requirement

- Meet criteria A: Operate as intended during and after the test
- Meet criteria B: Operate as intended after the test
- Meet criteria C: Loss/Error of function
- Additional Information
 - EUT stopped operation and could / could not be reset by operator at ____ kV.
 - No false alarms or other malfunctions were observed during or after the test.

Remark:

The Contact discharges were applied at least total 200 discharges at a minimum of four test points.

4.7. Test Photograph

Test Mode : Mode 1: DVI (800*600/60Hz)

Description : ESD Test Setup

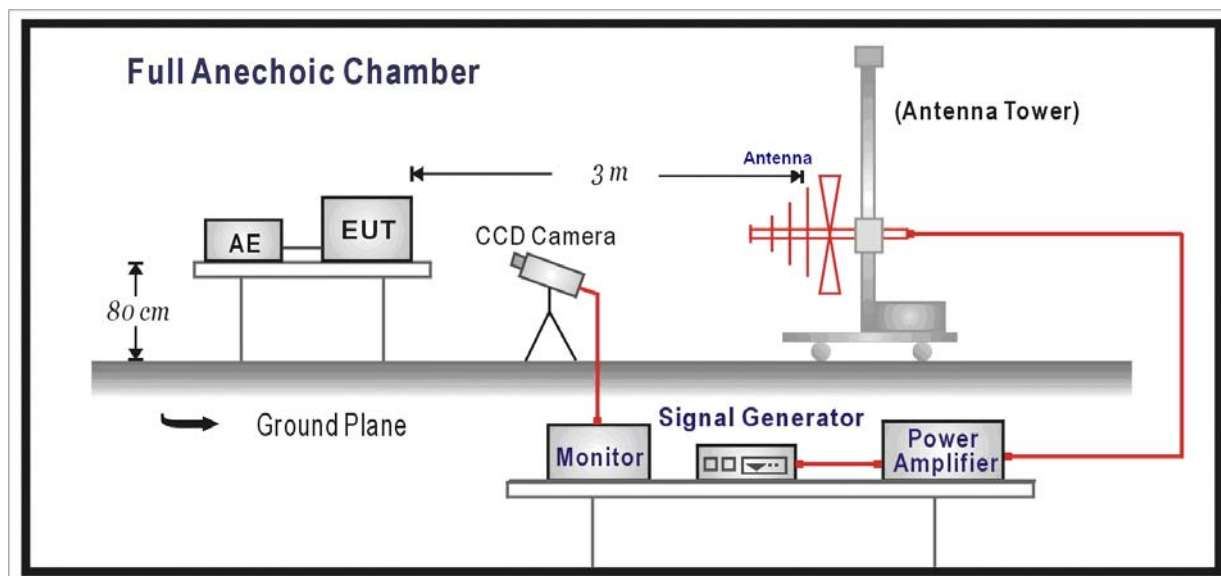


5. Radiated Susceptibility

5.1. Test Specification

According to Standard : IEC 61000-4-3

5.2. Test Setup



5.3. Limit

Item	Environmental Phenomena	Units	Test Specification	Performance Criteria
Enclosure Port				
	Radio-Frequency	MHz	80-1000	A
	Electromagnetic Field	V/m(Un-modulated, rms)	3	
	Amplitude Modulated	% AM (1kHz)	80	

5.4. Test Procedure

The EUT and load, which are placed on a table that is 0.8 meter above ground, are placed with one coincident with the calibration plane such that the distance from antenna to the EUT was 3 meters.

Both horizontal and vertical polarization of the antenna and four sides of the EUT are set on measurement.

In order to judge the EUT performance, a CCD camera is used to monitor EUT screen.

All the scanning conditions are as follows:

Condition of Test	Remarks
1. Field Strength	3 V/m Level 2
2. Radiated Signal	AM 80% Modulated with 1kHz
3. Scanning Frequency	80MHz - 1000MHz
4. Dwell Time	3 Seconds
5. Frequency step size Δf :	1%
6. The rate of Swept of Frequency	1.5×10^{-3} decades/s

5.5. Deviation from Test Standard

No deviation.

5.6. Test Result

Product	Vehicle Mount Display		
Test Item	Radiated susceptibility		
Test Mode	Mode 1: DVI (800*600/60Hz)		
Date of Test	2012/03/02	Test Site	Chamber5

Frequency (MHz)	Position (Angle)	Polarity (H or V)	Field Strength (V/m)	Required Criteria	Complied To Criteria (A,B,C)	Results
80-1000	FRONT	H	3	A	A	PASS
80-1000	FRONT	V	3	A	A	PASS
80-1000	BACK	H	3	A	A	PASS
80-1000	BACK	V	3	A	A	PASS
80-1000	RIGHT	H	3	A	A	PASS
80-1000	RIGHT	V	3	A	A	PASS
80-1000	LEFT	H	3	A	A	PASS
80-1000	LEFT	V	3	A	A	PASS
80-1000	UP	H	3	A	A	PASS
80-1000	UP	V	3	A	A	PASS
80-1000	DOWN	H	3	A	A	PASS
80-1000	DOWN	V	3	A	A	PASS

Note:

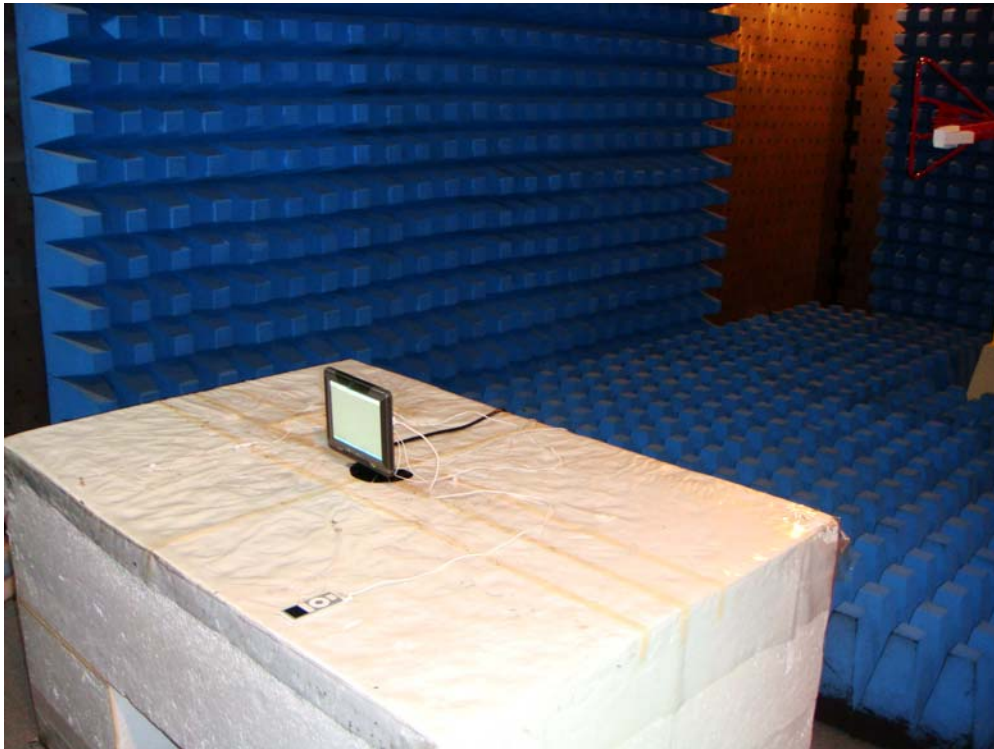
The testing performed is from lowest level up to the highest level as required by standard, but only highest level is shown on the report.

- Meet criteria A: Operate as intended during and after the test
- Meet criteria B: Operate as intended after the test
- Meet criteria C: Loss/Error of function
- Additional Information
 - There was no observable degradation in performance.
 - EUT stopped operation and could / could not be reset by operator at _____ V/m at frequency _____ MHz.
- No false alarms or other malfunctions were observed during or after the test.

5.7. Test Photograph

Test Mode : Mode 1: DVI (800*600/60Hz)

Description : Radiated Susceptibility Test Setup

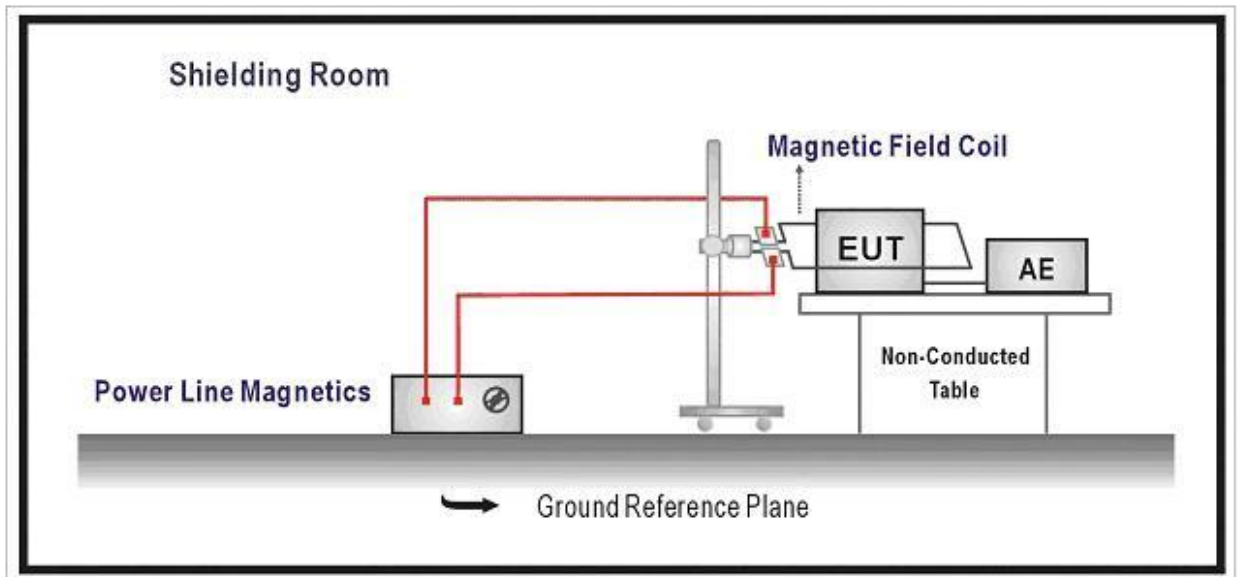


6. Power Frequency Magnetic Field

6.1. Test Specification

According to Standard : IEC 61000-4-8

6.2. Test Setup



6.3. Limit

Item	Environmental Phenomena	Units	Test Specification	Performance Criteria
Enclosure Port				
	Power-Frequency Magnetic Field	Hz A/m (r.m.s.)	50 1	A

6.4. Test Procedure

The EUT and its load are placed on a table which is 0.8 meter above a metal ground plane measured at least 1m*1m min. The test magnetic field shall be placed at central of the induction coil.

The test magnetic Field shall be applied 10 minutes by the immersion method to the EUT. And the induction coil shall be rotated by 90° in order to expose the EUT to the test field with different orientation (X, Y, Z Orientations).

6.5. Deviation from Test Standard

No deviation.

6.6. Test Result

Product	Vehicle Mount Display		
Test Item	Power frequency magnetic field		
Test Mode	Mode 1: DVI (800*600/60Hz)		
Date of Test	2012/03/02	Test Site	No.3 Shielded Room

Polarization	Frequency (Hz)	Magnetic Strength (A/m)	Required Performance Criteria	Performance Criteria Complied To	Test Result
X Orientation	50	1	A	A	PASS
Y Orientation	50	1	A	A	PASS
Z Orientation	50	1	A	A	PASS

- Meet criteria A: Operate as intended during and after the test
- Meet criteria B: Operate as intended after the test
- Meet criteria C: Loss/Error of function
- Additional Information
 - EUT stopped operation and could / could not be reset by operator at _____ kV of Line _____.
- No false alarms or other malfunctions were observed during or after the test. The acceptance criteria were met, and the EUT passed the test.

6.7. Test Photograph

Test Mode : Mode 1: DVI (800*600/60Hz)

Description : Power Frequency Magnetic Field Test Setup



7. Attachment

➤ EUT Photograph

(1) EUT Photo



(2) EUT Photo



(3) EUT Photo



(4) EUT Photo



(5) EUT Photo

