### EMC TEST REPORT For

Magicview Technology Co., Ltd.

#### **USB HUB**

Model No.: U3H342, 162296, 162302

Prepared for : Magicview Technology Co., Ltd.

Address : No. 27-3, Sec. 3, Xinyi Rd. Da-An Dist., Taipei City

10657 Taiwan

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Date of receipt of test sample : May 29, 2015

Number of tested samples : 1

Serial number : Prototype

Date of Test : May 29, 2015 – June 04, 2015

Date of Report : June 04, 2015



#### EMC TEST REPORT

EN 55022: 2010

Information technology equipment-Radio disturbance characteristics-Limits of measurement

EN 55024: 2010

Information technology equipment-Immunity characteristics-Limits and methods of measurement of measurement

Report Reference No. ..... LCS1506010003E

Date of Issue...... June 04, 2015

Testing Laboratory Name.....: Shenzhen LCS Compliance Testing Laboratory Ltd.

Testing Location/ Procedure .....: Full application of Harmonised standards Partial application of Harmonised standards

Other standard testing method  $\Box$ 

Applicant's Name...... Magicview Technology Co., Ltd.

**Test Specification:** 

Standard .....: EN 55022: 2010

EN 55024: 2010

Test Report Form No. .....: LCSEMC-1.0

TRF Originator.....: Shenzhen LCS Compliance Testing Laboratory Ltd.

Master TRF ...... Dated 2011-03

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Test Item Description.....: USB HUB

Trade Mark..... N/A

Model/ Type Reference .....: U3H342

Ratings ...... DC 5V

Result ...... Positive

Compiled by:

Supervised by:

Approved by:

Elan Liu/ File administrators

Danny Huang/ Technique principal

Gavin Liang/ Manager

## **EMC -- TEST REPORT**

Test Report No.: LCS1506010003E June 04, 2015

Date of issue

Type / Model.....: U3H342 EUT.....: USB HUB Applicant.....: : Magicview Technology Co., Ltd. Address.....: No. 27-3, Sec. 3, Xinyi Rd. Da-An Dist., Taipei City 10657 Taiwan Telephone....:: / Fax....:: / Manufacturer.....: : Magicview Technology Co., Ltd. Taiwan Telephone.....: : / Fax....:: : / Factory.....: : Magicview Technology Co., Ltd. Taiwan Telephone.....: : / Fax....:: /

## **Test Result** according to the standards on page 6: **Positive**

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

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SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD.

## 1. SUMMARY OF STANDARDS AND RESULTS

## 1.1.Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below.

·	EMISSION (EN 55022: 2010)		
Description of Test Item	Standard	Limits	Results
Conducted disturbance at mains terminals	EN 55022: 2010	Class B	N/A
Conducted disturbance at telecommunication port	EN 55022: 2010	Class B	N/A
Radiated disturbance	EN 55022: 2010	Class B	PASS
Harmonic current emissions	EN 61000-3-2: 2014	Class A	N/A
Voltage fluctuations & flicker	EN 61000-3-3: 2012	120	N/A
	IMMUNITY(EN 55024: 2010)	<u>.</u>	
Description of Test Item	Basic Standard	Performance Criteria	Results
Electrostatic discharge (ESD)	EN 61000-4-2: 2009	В	PASS
Radio-frequency, Continuous radiated disturbance	EN 61000-4-3: 2006+A1: 2008+A2: 2010	Α	PASS
Electrical fast transient (EFT)	EN 61000-4-4: 2012	В	N/A
Surge (Input a.c. power ports)	EN 04000 4 5: 0044	В	N/A
Surge (Telecommunication ports)	EN 61000-4-5: 2014	В	N/A
Radio-frequency, Continuous conducted disturbance	EN 61000-4-6: 2014	Α 🚫	N/A
Power frequency magnetic field	EN 61000-4-8: 2010	A	PASS
/oltage dips, >95% reduction	55 CB	В	N/A
/oltage dips, 30% reduction	EN 61000-4-11: 2004	В	N/A
/oltage interruptions	2 3 5 3	С	N/A

## 1.2.Description of Performance Criteria

#### **General Performance Criteria**

Examples of functions defined by the manufacturer to be evaluated during testing include, but are not limited to, the following:

- essential operational modes and states;
- tests of all peripheral access (hard disks, floppy disks, printers, keyboard, mouse, etc.);
- quality of software execution;
- quality of data display and transmission;
- quality of speech transmission.

#### 1.2.1.Performance criterion A

The equipment shall continue to operate as intended without operator intervention. No degradation of performance or loss of function is allowed below a performance level specified by the manufacture when the equipment is used as intended. The performance level may be replaced by a permissible loss of performance. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, then either of these may be deriver from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.

#### 1.2.2.Performance criterion B

After the test, the equipment shall continue to operate as intended without operator intervention. No degradation of performance or loss of function is allowed, after the application of the phenomena below a performance level specified by the manufacture, when the equipment is used as intended. The performance level may be replaced by a permissible loss of performance.

During the test, degradation of performance is allowed. However, no change of operation state or stored data is allowed to persist after the test.

If the minimum performance level (or the permissible performance loss) is not specified by the manufacturer, then either of these may be deriver from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.

#### 1.2.3.Performance criterion C

Loss of function is allowed, provided the function is self-recoverable, or can be restored by the operation of the controls by the user in accordance with the manufacture's instructions.

Functions, and/or information stored in non-volatile memory, or protected by a battery backup, shall not be loss.

### 2. GENERAL INFORMATION

2.1.Description of Device (EUT)

EUT : USB HUB

Model Number : U3H342

Power Supply : DC 5V

EUT Clock Frequency: ≤ 108MHz

### 2.2.Description of Test Facility

EMC Lab. : CNAS Registration Number. is L4595.

FCC Registration Number. is 899208.

Industry Canada Registration Number. is 9642A-1. VCCI Registration Number. is C-4260 and R-3804.

ESMD Registration Number. is ARCB0108.

UL Registration Number. is 100571-492.

TUV SUD Registration Number. is SCN1081.

TUV RH Registration Number. is UA 50296516-001

### 2.3. Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. To CISPR 16 – 4 "Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements" and is documented in the LCS quality system acc. To DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

## 2.4. Measurement Uncertainty

Test Item	Frequency Range	Expanded uncertainty (Ulab)	Expanded uncertainty (Ucispr)
C 1 ( 1F : :	(9kHz to 150kHz)	2.63 dB	4.0 dB
Conducted Emission	(150kHz to 30MHz)	2.35 dB	3.6 dB
Power disturbance	(30MHz to 300MHz)	2.90dB	4.5 dB
Electromagnetic Radiated Emission (3-loop)	(9kHz to 30MHz)	3.60 dB	N/A
Radiated Emission	(9kHz to 30MHz)	3.68 dB	N/A
Radiated Emission	(30MHz to 1000MHz)	3.48 dB	5.2 dB
Radiated Emission	(above 1000MHz)	3.90 dB	N/A
Mains Harmonic	Voltage	0.510%	N/A
Voltage Fluctuations & Flicker	Voltage	0.510%	N/A

- (1) Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus.
- (2) The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor of k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

# 3. MEASURING DEVICES AND TEST EQUIPMENT

## 3.1.Conducted Disturbance

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
Ja.	EMI Test Receiver	ROHDE & SCHWARZ	ESCI	101142	2014/06/18
2	10dB Attenuator	SCHWARZBECK	OSPAM236	9729	2014/06/18
3	Artificial Mains	ROHDE & SCHWARZ	ENV216	101288	2014/06/18
4	EMI Test Software	AUDIX	E3	N/A	2014/06/18

## 3.2.Disturbance Power

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	EMI Test Receiver	ROHDE & SCHWARZ	ESCI	101142	2014/06/18
2	Absorbing clamp	ROHDE & SCHWARZ	MDS 21	4033	2014/08/30
3	EMI Test Software	AUDIX	E3	N/A	2014/06/18

## 3.3.Radiated Electromagnetic Disturbance

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	EMI Test Receiver	ROHDE & SCHWARZ	ESCI	1011423	2014/06/18
2	Triple-loop Antenna	EVERFINE	LLA-2	11050003	2014/06/18
3	EMI Test Receiver	ROHDE & SCHWARZ	ESPI	101840	2014/06/18
4	EMI Test Software	AUDIX	E3	N/A	2014/06/18

## 3.4.Radiated Disturbance (Electric Field)

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	2015/02/04
2	EMI Test Receiver	ROHDE & SCHWARZ	ESPI	101840	2014/06/18
3	Log per Antenna	SCHWARZBECK	VULB9163	9163-470	2014/06/18
4	EMI Test Software	AUDIX	E3	N/A	2014/06/18
5	Positioning Controller	MF	MF-7082		2014/06/18

## 3.5. Harmonic Current

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
100	Power Analyzer Test System	Voltech	PM6000	20000670053	2014/06/18

## 3.6. Voltage fluctuation and Flicker

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	Power Analyzer Test System	Voltech	PM6000	20000670053	2014/06/18

## 3.7. Electrostatic Discharge

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	ESD Simulator	KIKUSUI	KC001311	KES4021	2014/09/02

## 3.8.RF Field Strength Susceptibility

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	SIGNAL GENERATOR	HP	8648A	625U00573	2014/06/18
2	Amplifier	AR	500A100	17034	2014/06/18
3	Amplifier	AR	100W/1000M1	17028	2014/06/18
4	Isotropic Field Monitor	AR	FM2000	16829	2014/06/18
5	Isotropic Field Probe	AR	FP2000	16755	2014/06/18
6	Bi-conic Antenna	EMCO	3108	9507-2534	2014/06/18
7	By-log-periodic Antenna	AR	AT1080	16812	2014/06/18
8	EMS Test Software	ROHDE & SCHWARZ	ESK1	N/A	2014/06/18

## 3.9.Electrical Fast Transient/Burst

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	Electrical fast transient(EFT)generator	3CTEST	EFT-4021	EC0461044	2015/01/20
2	Coupling Clamp	3CTEST	EFTC	EC0441098	2014/06/18

## 3.10.Surge

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
23	Surge test system	3CTEST	SG5006G	EC5581070	2014/06/18
2	Coupling/decoupling network	3CTEST	SGN-5010G	CS5591033	2014/06/18

## 3.11.Conducted Susceptibility

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	Simulator	EMTEST	CIT-10	A126A1195	2014/06/18
2	CDN	EMTEST	CDN-M2	A2210177	2014/06/18
3	CDN	EMTEST	CDN-M3	A2210177	2014/06/18
4	Attenuator	EMTEST	ATT6	50FP-006-H3B	2014/06/18

## 3.12. Power Frequency Magnetic Field Susceptibility

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
SP.	Power frequency mag-field generator System	EVERFINE	EMS61000-8K	906003	2014/06/18

# 3.13. Voltage Dips

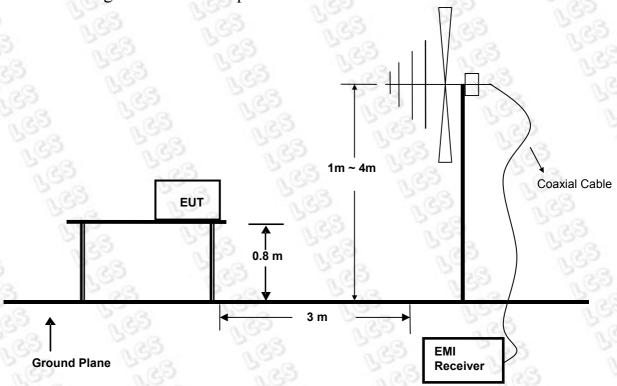
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	Voltage dips and up generator	3CTEST	VDG-1105G	EC0171014	2014/06/18

# 3.14. Voltage Short Interruptions

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	Voltage dips and up generator	3CTEST	VDG-1105G	EC0171014	2014/06/18

### 4. RADIATED EMISSION MEASUREMENT





## 4.2. Measuring Standard

EN 55022: 2010

#### 4.3. Radiated Emission Limits

EN 55022 Limits:

All emanations from a class B device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified below:

	FREQUENCY	DISTANCE	FIELD STRENGTHS LIMIT
	(MHz)	(Meters)	$(dB\mu V/m)$
ĺ	30 ~ 230	3	40
I	230 ~ 1000	3	47

Note: (1) The smaller limit shall apply at the combination point 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 EUT.

### 4.4.EUT Configuration on Test

The EN 55022 regulations test method must be used to find the maximum emission during radiated emission measurement.

### 4.5. Operating Condition of EUT

- 4.5.1 Turn on the power.
- 4.5.2 After that, let the EUT work in test mode (ON) and measure it.

#### 4.6.Test Procedure

The EUT is placed on a turntable, which is 0.8 meter high above the ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down from 1 to 4 meters to find out the maximum emission level. By-log antenna is used as a receiving antenna. Both horizontal and vertical polarization of the antenna is set on test.

The bandwidth of the Receiver is set at 120kHz.

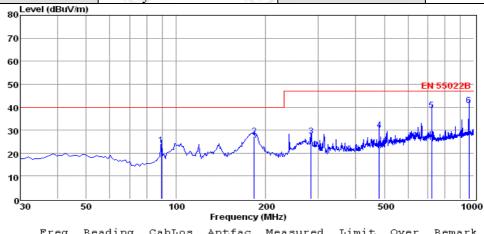
The frequency range from 30MHz to 1000MHz is investigated.

#### 4.7.Test Results

#### PASS.

The test result please refer to the next page.

Model No.	U3H342	<b>Test Mode</b>	ON
<b>Environmental Conditions</b>	24°C/56% RH	<b>Detector Function</b>	Quasi-peak
Pol	Vertical	Distance	3m
Test Engineer	Cherry Chen	. (C)	28



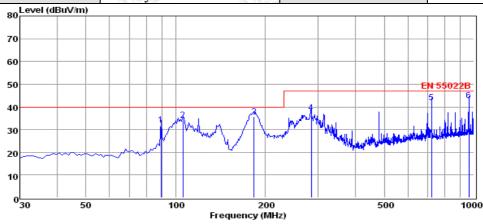
	1104	reduring	Сарнор	Ancrac	Medbarea	HIMI C	OVCI	ROMALK
	MHz	dBuV	dВ	dB/m	dBuV/m	dBuV/m	dВ	
1 2 3 4 5	89.17 183.26 284.14 480.08 720.64	11.21 16.81 13.52 12.69 18.02	0.68 0.70 1.00 1.31 1.63	11.64 9.97 12.75 16.07 19.07	23.53 27.48 27.27 30.07 38.72	40.00 47.00 47.00 47.00	-16.47 -12.52 -19.73 -16.93 -8.28	QP QP QP QP QP
6	961.20	17.34	2.01	21.49	40.84	47.00	-6.16	QP

Note: 1. All readings are Quasi-peak values.

2. Measured= Reading + Antenna Factor + Cable Loss

3. The emission that ate 20db blow the offficial limit are not reported

Model No.	U3H342	Test Mode	ON
<b>Environmental Conditions</b>	24℃/ 56% RH	<b>Detector Function</b>	Quasi-peak
Pol	Horizontal	Distance	3m
Test Engineer	Cherry Chen		533



	Freq	Reading	CabLos	Antiac	Measured	Limit	Over	Remark
	MHz	dBuV	dВ	dB/m	dBuV/m	dBuV/m	dB	
1	89.17	19.76	0.68	11.64	32.08	40.00	-7.92	QP
2	105.66	20.86	0.61	12.64	34.11	40.00	-5.89	QP
3	183.26	25.02	0.70	9.97	35.69	40.00	-4.31	QP
4	285.11	23.60	1.00	12.77	37.37	47.00	-9.63	QP
5	720.64	21.24	1.63	19.07	41.94	47.00	-5.06	QP
6	961.20	19.20	2.01	21.49	42.70	47.00	-4.30	QP

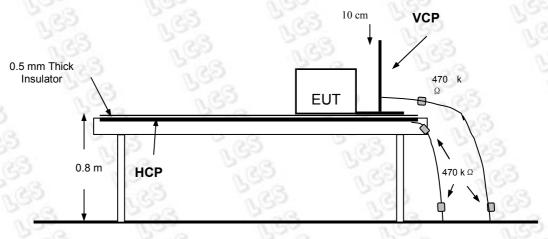
Note: 1. All readings are Quasi-peak values.

2. Measured= Reading + Antenna Factor + Cable Loss

3. The emission that ate 20db blow the offficial limit are not reported

## 5. ELECTROSTATIC DISCHARGE IMMUNITY TEST

### 5.1.Block Diagram of Test Setup



#### Ground

#### 5.2.Test Standard

EN 55024: 2010

Severity Level: 3 / Air Discharge:  $\pm 8$ KV, Level: 2 / Contact Discharge:  $\pm 4$ KV)

## 5.3. Severity Levels and Performance Criterion

### 5.3.1.Severity level

Level	Test Voltage Contact Discharge (KV)	Test Voltage Air Discharge (KV)
<sup>55</sup> 1.	±2 (S)	$\pm 2$
2.	±4	±4
3.	±6	±8
4.	±8	±15
X	Special	Special

#### 5.3.2.Performance Criterion: B

## 5.4.EUT Configuration on Test

The configuration of EUT is listed in Section 2.1.

### 5.5. Operating Condition of EUT

Same as conducted emission measurement, which is listed in Section 4.5, Except the test set up replaced by Section 5.1.

#### 5.6.Test Procedure

#### 5.6.1. Air Discharge

This test is done on a non-conductive surface. The round discharge tip of the discharge electrode shall be approached as fast as possible to touch the EUT.

After each discharge, the discharge electrode shall be removed from the EUT. The generator is then re-triggered for a new single discharge and repeated 10 times for each pre-selected test point. This procedure shall be repeated until all the air discharge completed

#### 5.6.2.Contact Discharge

All the procedure shall be same as Section 5.6.1. Except that the tip of the discharge electrode shall touch the EUT before the discharge switch is operated.

#### 5.6.3.Indirect Discharge For Horizontal Coupling Plane

At least 10 single discharges (in the most sensitive polarity) shall be applied at the front edge of each HCP opposite the center point of each unit (if applicable) of the EUT and 0.1m from the front of the EUT. The long axis of the discharge electrode shall be in the plane of the HCP and perpendicular to its front edge during the discharge.

#### 5.6.4.Indirect Discharge For Vertical Coupling Plane

At least 10 single discharge (in the most sensitive polarity) shall be applied to the center of one vertical edge of the coupling plane. The coupling plane, of dimensions 0.5m X 0.5m, is placed parallel to, and positioned at a distance of 0.1m from the EUT. Discharges shall be applied to the coupling plane, with this plane in sufficient different positions that the four faces of the EUT are completely illuminated.

#### 5.7 Test Results

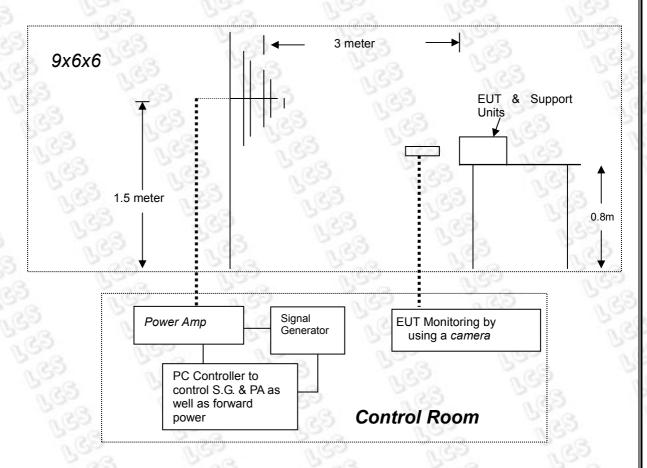
#### PASS.

Please refer to the following pages

El	ectrosta	tic Disch	narger	Test Re	esults		
Standard	☐ IEC 61000-4-2   ☑ EN 61000-4-2						
Applicant	Magicview Technology Co., Ltd.						
EUT	USB HUBUSB HUB			Temperatur	<b>•e</b> 24°C		
M/N	U3H342			Humidity 53%			
Criterion	В			Pressure	1021mbar		
Test Mode	ON	Re	23	Test Engine	er Cherry Chen		
	1100	Air Di	ischarge	11 (5)	A 16/2		
	Test	Levels	I	Results			
<b>Test Points</b>	± 2kV ±	4kV ± 8kV	Passed	нан	Performance Criterion		
Front					$\Box$ A $\boxtimes$ B		
Back					$\Box$ A $\boxtimes$ B		
Left	$\boxtimes$				$\square A  \boxtimes B$		
Right					$\Box A  \overline{\boxtimes} B$		
Тор					$\square A \qquad \boxtimes B$		
Bottom			$\boxtimes$		$\square A \qquad \boxtimes B$		
			Discharge				
	Test Le	vels		Results			
Test Points	± 2 kV	±4 kV	Passed	Hail	Performance Criterion		
Front	$\square$				$\square A \qquad \boxtimes B$		
Back					$\square A  \boxtimes B$		
Left					$\square$ A $\boxtimes$ B		
Right					$\square$ A $\boxtimes$ B		
Тор					$\square$ A $\boxtimes$ B		
Bottom					$\square A  \boxtimes B$		
		Discharge To H		Coupling Pla	ne		
	Test Lev	vels	Results	1			
Side of EUT	± 2 kV	± 4 kV	Passed	Hall	Performance Criterion		
Front					$\square$ A $\boxtimes$ B		
Back					$\square$ A $\boxtimes$ B		
Left				<u> </u>	□A ⊠B		
Right					$\Box$ A $\boxtimes$ B		
		Discharge To V	ertical Co	1 0			
a.,	Test Levels		Results				
Side of EUT	± 2 kV	± 4 kV	Passed	Hall	Performance Criterion		
Front	$\boxtimes$				$\Box$ A $\boxtimes$ B		
Back	$\boxtimes$				$\Box \mathbf{A}  \boxtimes \mathbf{B}$		
Left	$\boxtimes$				$\square A  \boxtimes B$		

# 6. RF FIELD STRENGTH SUSCEPTIBILITY TEST

## 6.1.Block Diagram of Test



### 6.2.Test Standard

EN 55024: 2010

(EN 61000-4-3: 2006+A1: 2008 Severity Level: 2, 3V / m)

## 6.3. Severity Levels and Performance Criterion

### 6.3.1.Severity Levels

300	Level	182	TES.	Field Strength (V/m)	530
300	1.	BES	13.00	163	SS
Re	2.	Res	BC	3	BEE
Bi	3.	Res	3 3	10	PE
3/1	X.	Biza	S	Special	6

6.3.2.Performance Criterion: A

### 6.4.EUT Configuration on Test

The configuration of the EUT is same as Section 2.1.

### 6.5. Operating Condition of EUT

Same as radiated emission measurement, which is listed in Section 4.5, except the test setup replaced as Section 6.1.

### 6.6.Test Procedure

The EUT are placed on a table, which is 0.8 meter high above the ground. The EUT is set 3 meters away from the transmitting antenna, which is mounted on an antenna tower. Both horizontal and vertical polarization of the antenna is set on test. Each of the four sides of the EUT must be faced this transmitting antenna and measured individually. In order to judge the EUT performance, a CCD Recording is used to monitor its screen. All the scanning conditions are as following:

Condition of Test	Remark		
1. Fielded Strength	3V/m (Severity Level 2)		
2. Radiated Signal	Unmodulated		
3. Scanning Frequency	80-1000MHz		
4. Sweep time of radiated	0.0015 Decade/s		
5. Dwell Time	3 Sec.		

### 6.7. Test Results

#### PASS.

Please refer to the following page.

Standard	☐ IEC 61000-4-3   ☑ EN 61000-4-3			
Applicant	Magicview Technology Co., Ltd.	30	30	
EUT	USB HUB	Temperature	24℃	
M/N	U3H342	Humidity	53%	
Field Strength	3 V/m	Criterion	A	
<b>Test Mode</b>	ON	Test Engineer	Cherry Chen	
Frequency Range	80 MHz to 1000 MHz		33	
Modulation	□None □ Pulse ☑AM	M 1KHz 80%	300	
Steps	1%	3	Bog	

	Horizontal	Vertical
Front	PASS	PASS
Right	PASS	PASS
Rear	PASS	PASS
Left	PASS	PASS

Test Equipment:

1. Signal Generator: 2031 (MARCONI)

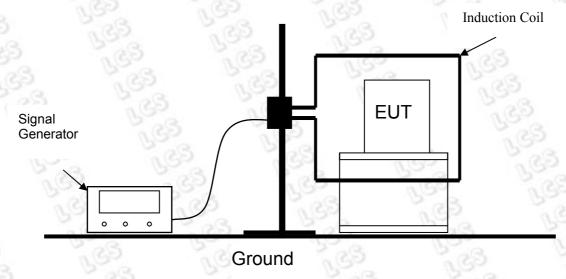
2. Power Amplifier: 500A100 & 100W/1000M1 (A&R) 3. Power Antenna: 3108 (EMCO) & AT1080 (A&R)

4. Field Monitor: FM2000 (A&R)

Note:

## 7. MAGNETIC FIELD SUSCEPTIBILITY TEST

## 7.1.Block Diagram of Test Setup



### 7.2.Test Standard

EN 55024: 2010

(EN 61000-4-8: 2010, Severity Level: Level 1, 1A/m)

## 7.3. Severity Levels and Performance Criterion

7.3.1.Severity Levels

L. Committee of the com	////	
183	Level	Field Strength (A/m)
BCS.	1 1,63	1 63
Bes	2	3 (8)
Be	3	10
3	4	30
1	5	100
3	X	Special

7.3.2.Performance Criterion: A

## 7.4.EUT Configuration on Test

The configuration of the EUT is same as Section 2.1.

### 7.5.Test Procedure

The EUT is placed in the middle of a induction coil (1\*1m), under which is a 1\*1\*0.1m (high) table, this small table is also placed on a larger table, 0.8 m above the ground. Both horizontal and vertical polarization of the induction coil is set on test, so that each side of the EUT is affected by the magnetic field. Also can reach the same aim by change the position of the EUT.

### 7.6.Test Results

PASS.

Please refer to the following page.

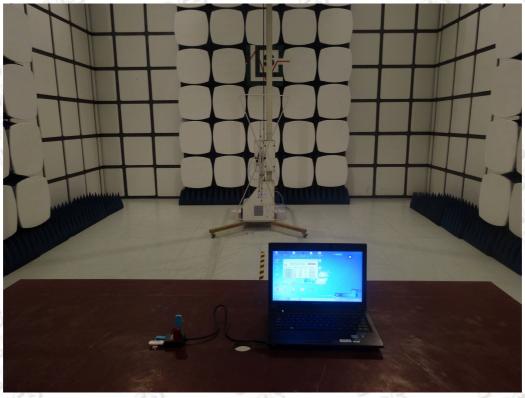
Magnetic Field Immunity Test Result				
Standard	☐ IEC 61000-4-8   ☑ EN 61000-4-8			
Applicant	Magicview Technology Co., Ltd.	Res	355	
EUT	USB HUB	Temperature	<b>24</b> °C	
M/N	U3H342	Humidity	53%	
Test Mode	ON	Criterion	A	
Test Engineer	Cherry Chen		1355 B	

Test Level (A/M)	Testing Duration	Coil Orientation	Criterion	Result
3 1 B	5 mins	X	A	PASS
1 B	5 mins	5 Y	A	PASS
363	5 mins	Z	A	PASS

Note:

# 8. PHOTOGRAPH

# 8.1.Photo of Radiated Measurement



# 8.2.Photo of Electrostatic Discharge Test



# 8.3.Photo of Magnetic Field Immunity Test



## 9. EXTERNAL AND INTERNAL PHOTOS OF THE EUT



Fig



Fig 2

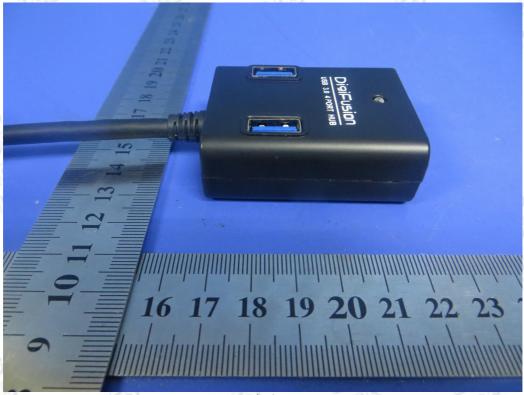


Fig 3



Fig 4



Fig 5



Fig 6

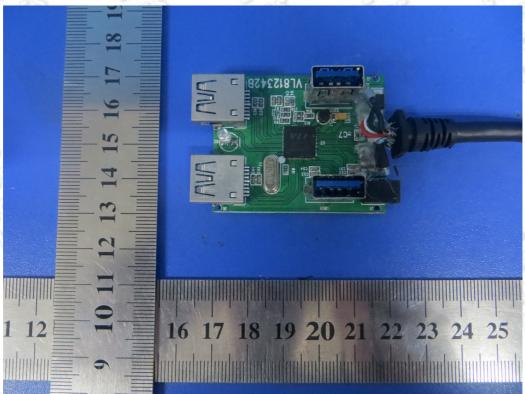


Fig 7



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