

**REVISION**

**REPORT NO. E900840-1**

**INSPECTION, TEST, AND EVALUATION**

**OF THE USB Share Switch**

**RENDERED TO**

**NEOSTAR TECHNOLOGY CO., LTD.**

The following revisions have been made to Report No. E900840 for USB Share Switch

<u>DATE</u>	<u>PAGE</u>	<u>DESCRIPTION</u>
DEC. 07, 2001		The Original Model No. ( USB-401P, USB-401, USB-201, USB-201P )
APR. 17, 2003		Add Model No. ( USB-411, USB-211 )
APR. 17, 2003	3-11	Test Model No. ( USB-411, USB-211 )
APR. 17, 2003	12-13	Photo Model No. ( USB-411, USB-211 )

**PLACE THIS PAGE AT FRONT OF YOUR REPORT.**

Approved By : JASON GONG

**EUT DECLARATION FOR CE-EMC PERMISSIVE CHANGE**

We hereby declare that both of the major electrical design and construction of these requested models: USB-211 and USB-411 are identical to the original models: USB-201, USB-201P, USB-401 and USB-401P listed in PEP Report No. E900840 except their appearances are different. From technical point of view, we verified EUT by radiated emission test in chamber and ESD immunity test. We attached model USB-211 and USB-411 in original report as additional models.

**Applicant** : NEOSTAR TECHNOLOGY CO., LTD.

**Address** : 14F, NO. 150, SEC. 2, SHIN TA WU ROAD, HSICHIH TAIPEI,  
TAIWAN, R. O. C.

**Signature** : \_\_\_\_\_  
PANNY CHEN / ENGINEERING MANAGER

**Date** : / /

## EN 61000-4-2 Electrostatic Discharge Test

Test standard	Model No.	Result
EN 61000-4-2	USB-411, USB-211	B

**The test results shall be classified on the basis of the operating conditions and the functional specifications of the equipment under test , as in the following , unless different specifications are given by product committees or product specifications :**

***Performance Criterion :***

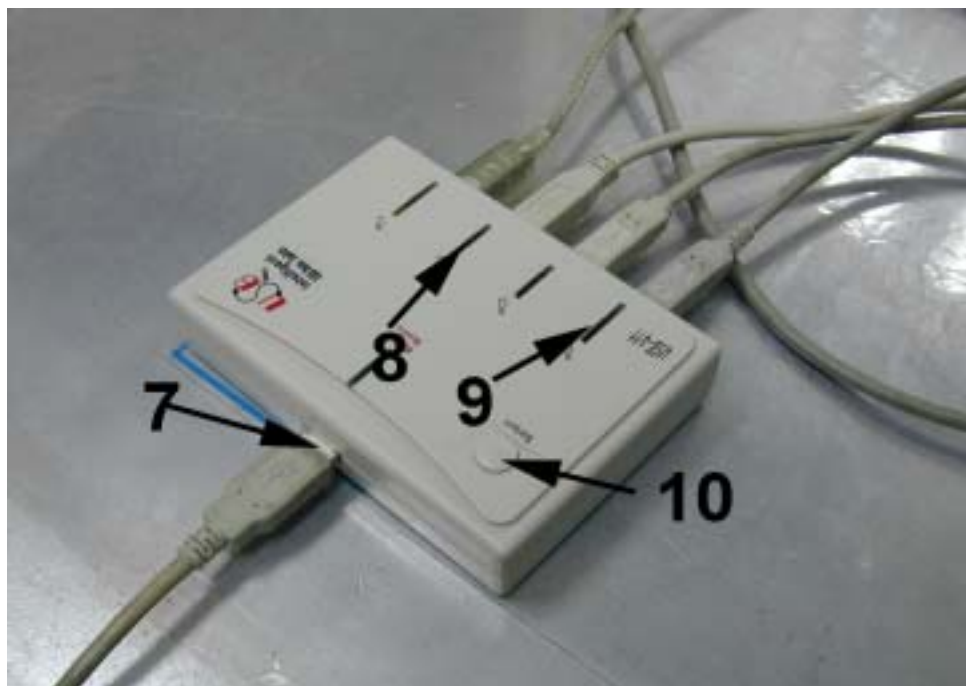
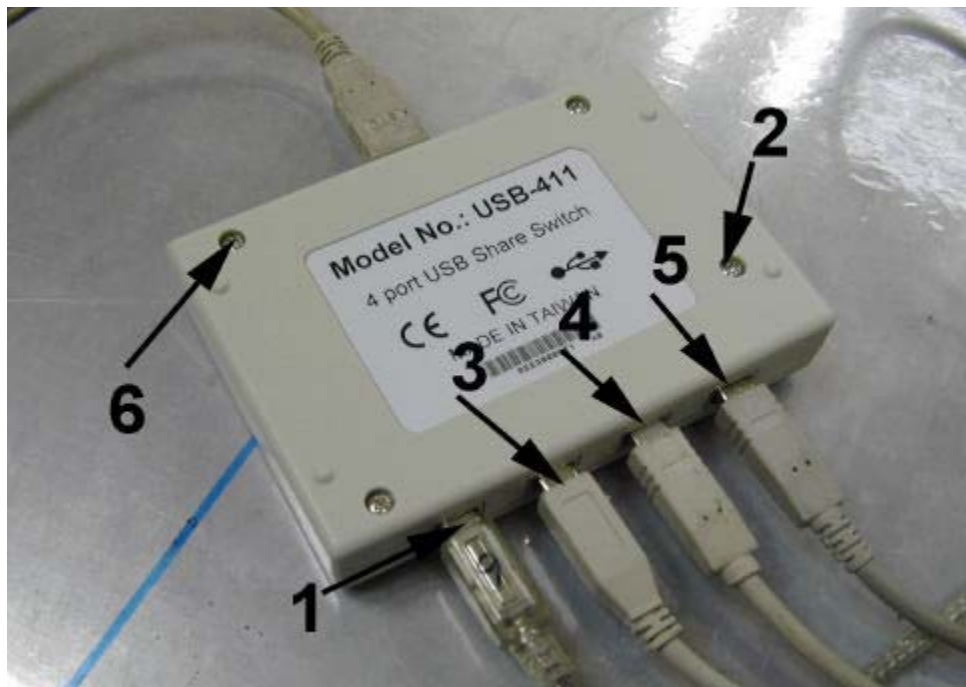
***A) normal performance within the specification limits ;***

***B) temporary degradation or loss of function or performance which is self-recoverable ;***

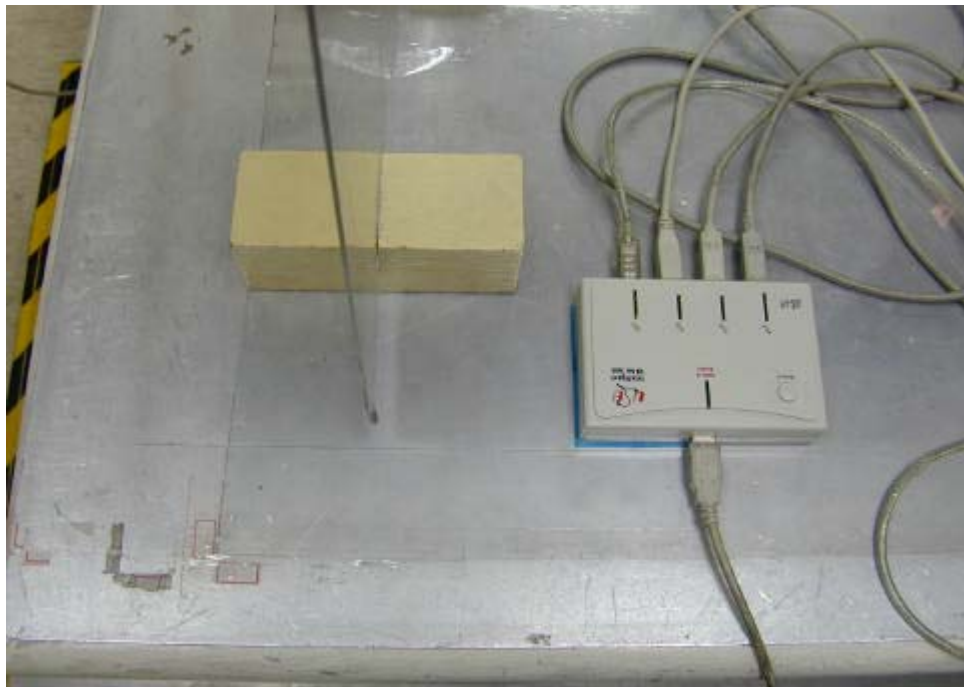
***C) temporary degradation or loss of function or performance which requires operator intervention or system reset ;***

## Direct Discharge Test Drawing

Model No. : USB-411

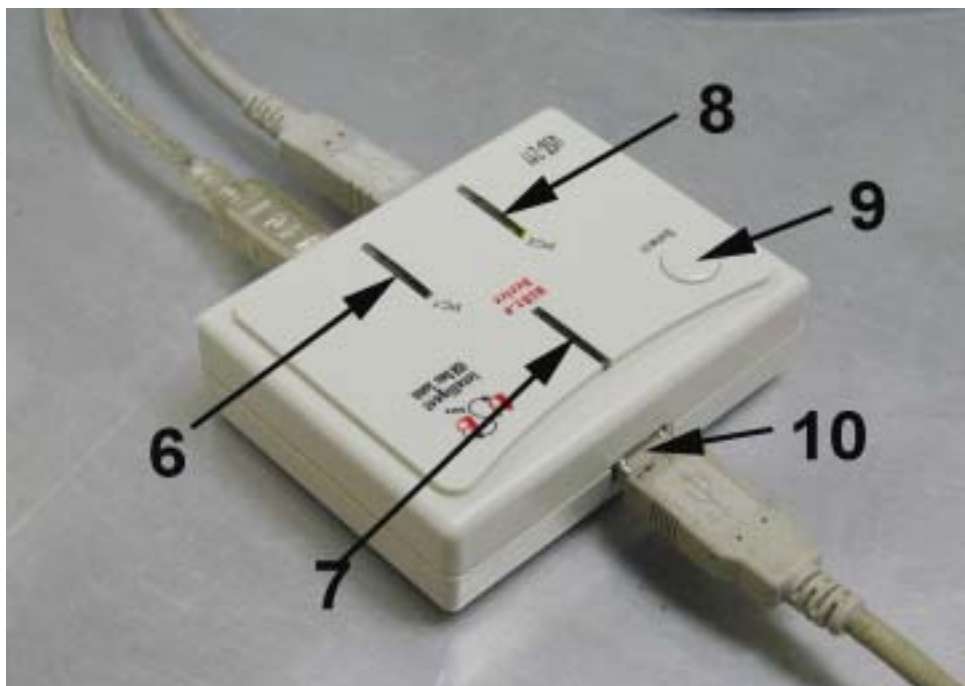
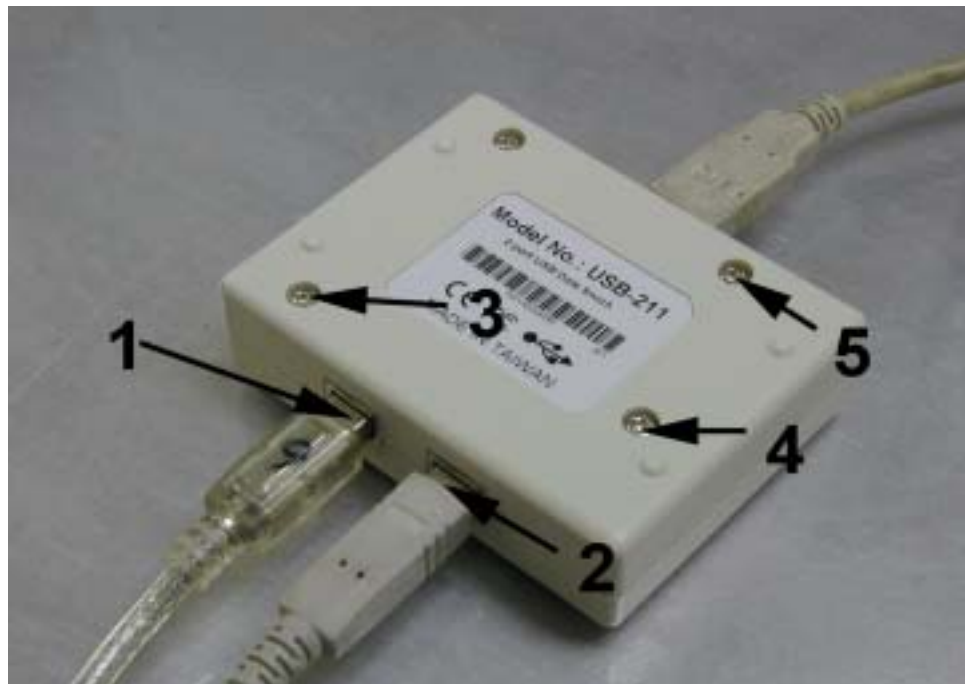


## Indirect Discharge Test Drawing

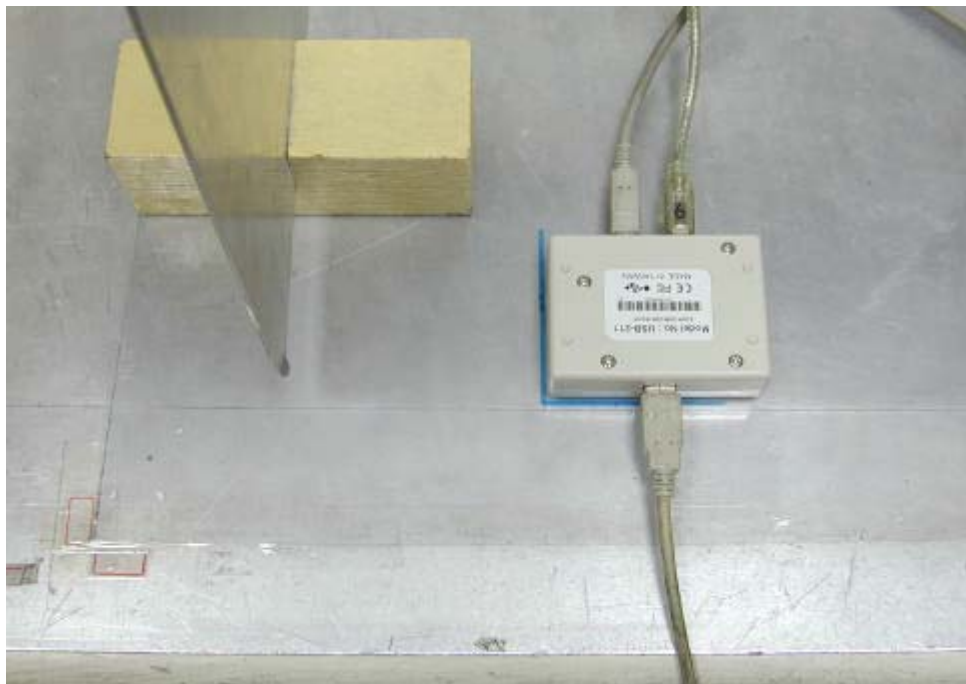


## Direct Discharge Test Drawing

Model No. : USB-211



## Indirect Discharge Test Drawing



## Electrostatic Discharge Test Data (Direct Discharge)

Model No. : USB-411

Test Item : <b>Direct Discharge</b>		Instrument : NoiseKen ESS-100L														
Temperature : <u>26</u> °C		Relative Humidity : <u>48</u> %RH														
Storage Capacitor : 150 pf		Discharge Resistor : 330 Ohm														
Discharge Rate : < 1 / Sec																
	Contact Discharge								Air Discharge							
	2 KV		4 KV		6 KV		8 KV		2 KV		4 KV		6 KV		8 KV	
	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-
1	P	P	P	P	/	/	/	/	P	P	P	P	P	P	P	P
2	P	P	P	P	/	/	/	/	P	P	P	P	P	P	P	P
3	P	P	P	P	/	/	/	/	P	P	P	P	P	P	P	P
4	/	/	/	/	/	/	/	/	P	P	P	P	P	P	P	P
5	/	/	/	/	/	/	/	/	P	P	P	P	P	P	P	P
6	/	/	/	/	/	/	/	/	P	P	P	P	P	P	P	P
7	/	/	/	/	/	/	/	/	P	P	P	P	P	P	P	P
8	/	/	/	/	/	/	/	/	P	P	P	P	P	P	P	P
9	/	/	/	/	/	/	/	/	P	P	P	P	P	P	P	P
10	/	/	/	/	/	/	/	/	P	P	P	P	P	P	P	P

1. " P " - - - - means the EUT function is correct during the test.

2. " / " - - - - no test.



## Electrostatic Discharge Test Data (Indirect Discharge)

Model No. : USB-411

Test Item : <b>Indirect Discharge</b>		Instrument : NoiseKen ESS-100L														
Temperature : <u>26</u> °C		Relative Humidity : <u>48</u> %RH														
Storage Capacitor : 150 pf		Discharge Resistor : 330 Ohm														
Discharge Rate : < 1 / Sec																
	Contact Discharge								Air Discharge							
	2 KV		4 KV		6 KV		8 KV		2 KV		4 KV		6 KV		8 KV	
	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-
1	P	P	P	P	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

1. " P " - - - - means the EUT function is correct during the test.
2. " / " - - - - no test.

## Electrostatic Discharge Test Data (Direct Discharge)

Model No. : \_\_\_\_\_ USB-211 \_\_\_\_\_

Test Item : <b>Direct Discharge</b>		Instrument : NoiseKen ESS-100L														
Temperature : <u>  26  </u> °C		Relative Humidity : <u>  48  </u> %RH														
Storage Capacitor : 150 pf		Discharge Resistor : 330 Ohm														
Discharge Rate : < 1 / Sec																
	<b>Contact Discharge</b>								<b>Air Discharge</b>							
	2 KV		4 KV		6 KV		8 KV		2 KV		4 KV		6 KV		8 KV	
	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-
1	P	P	P	P	/	/	/	/	P	P	P	P	P	P	P	P
2	P	P	P	P	/	/	/	/	P	P	P	P	P	P	P	P
3	P	P	P	P	/	/	/	/	P	P	P	P	P	P	P	P
4	/	/	/	/	/	/	/	/	P	P	P	P	P	P	P	P
5	/	/	/	/	/	/	/	/	P	P	P	P	P	P	P	P
6	/	/	/	/	/	/	/	/	P	P	P	P	P	P	P	P
7	/	/	/	/	/	/	/	/	P	P	P	P	P	P	P	P
8	/	/	/	/	/	/	/	/	P	P	P	P	P	P	P	P
9	/	/	/	/	/	/	/	/	P	P	P	P	P	P	P	P
10	/	/	/	/	/	/	/	/	P	P	P	P	P	P	P	P

1. " P " - - - - means the EUT function is correct during the test. \_\_\_\_\_
2. " / " - - - - no test. \_\_\_\_\_

## Electrostatic Discharge Test Data (Indirect Discharge)

Model No. : USB-211

Test Item : <b>Indirect Discharge</b>		Instrument : NoiseKen ESS-100L														
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	<b>Contact Discharge</b>								<b>Air Discharge</b>							
	2 KV		4 KV		6 KV		8 KV		2 KV		4 KV		6 KV		8 KV	
	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-
1	P	P	P	P	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

1. " P " - - - - means the EUT function is correct during the test.
2. " / " - - - - no test.

# EUT Photos

MODEL NO.: USB-411;



MODEL NO.: USB-211;



# Declaration of Conformity

The following

**Applicant** : **NEOSTAR TECHNOLOGY CO., LTD.**

**Equipment** : **USB Share Switch**

**Model No.** : **USB-401P, USB-401, USB-201, USB-201P  
USB-411, USB-211**

**Report No.** : **E900840-1**

is herewith confirmed 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(89/336/EEC) and the amendments in the Council Directive 92/31/EEC, 93/68/EEC.

For the evaluation of above mentioned Directives, the following standards were applied:

- 1) EN 55022: 1998+A1 : 2000 Class B
- 2) EN 61000-3-2 : 2000
- 3) EN 61000-3-3 : 1995
- 4) EN 55024 : 1998+A1 : 2001
  - EN 61000-4-2 : 1995+A1: 1998
  - EN 61000-4-3 : 1996+A1: 1998
  - EN 61000-4-4 : 1995
  - EN 61000-4-5 : 1995
  - EN 61000-4-6 : 1996
  - EN 61000-4-8 : 1993
  - EN 61000-4-11 : 1994

The following manufacturer is responsible for this declaration:

NEOSTAR TECHNOLOGY CO., LTD.  
14F, NO. 150, SEC. 2, SHIN TA WU ROAD,  
HSICHIH TAIPEI,  
TAIWAN, R. O. C.

Taiwan / APR. 17, 2003

Place and Date

Signature of responsible Person

# VERIFICATION

## of conformity with European EMC Directive

No. E900840-1

*Document holder:* NEOSTAR TECHNOLOGY CO., LTD.

*Type of equipment:* USB Share Switch

*Type designation:* USB-401P, USB-401, USB-201, USB-201P, USB-411, USB-211

A sample of the equipment has been tested for CE-marking according to the EMC Directive, 89/336/EEC. &

92/31/EEC & 93/68/EEC *Standard(s) used for showing compliance with the essential requirements of the directive:*

*EMC Standard(s):*

EN 55022: 1998+A1: 2000

EN 61000-3-2: 2000

EN 61000-3-3: 1995

EN 55024: 1998+A1: 2001

EN 61000-4-2: 1995+A1: 1998

EN 61000-4-3: 1996+A1: 1998

EN 61000-4-4: 1995

EN 61000-4-5: 1995

EN 61000-4-6: 1996

EN 61000-4-8: 1993

EN 61000-4-11: 1994

*Performance Criterion*

Class B

B

The referred test report(s) show that the product fulfills the requirements in the EMC Directive for CE marking. On this basis, together with the manufacturer's own documented production control, the manufacturer (or his European authorized representative) can in his EC Declaration of Conformity verify compliance with the EMC Directive.

Signed for and on behalf of  
**PEP Testing Laboratory**



Date: APR. 17, 2003

*M. Y. Tsui*

M. Y. Tsui / President