



**CTS (GUANGZHOU) TESTING SERVICE TECHNOLOGY  
INTERNATIONAL**

**OPERATE ACCORDING TO ISO/IEC 17025**

# **FCC TEST REPORT**

**TEST REPORT NUMBER : CGZ3111214-01092-E**



**CTS (Guangzhou) Testing Service Technology Co., Ltd.**  
Building F, Dachuang industrial park, No.379, Zhongshan Dadao,  
Guangzhou, China.

TEST REPORT FOR FCC  
47 CFR PART 15 OCT, 2010  
Radio frequency devices

Report Reference No. ....	CGZ3111214-01092-E
Date of issue .....	19 December 2011
Testing Laboratory Name.....	<b>CTS (Guangzhou) Testing Service Technology Co., Ltd.</b>
Address .....	Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China.
Testing location/ procedure.....	Full application of Harmonised standards <input checked="" type="checkbox"/> Partial application of Harmonised standards <input type="checkbox"/> Other standard testing method <input type="checkbox"/>
Applicant's name .....	Del Ko Company
Address .....	Room 1310, Block B, Golden Industrial Building, 16-26 Kwai Tak Street, Kwai Chung, N.T., Hong Kong
<b>Test specification:</b>	
Standard.....	<b>47 CFR PART 15 OCT, 2010</b>
<b>Test Report Form No.</b> .....	CTSEMC-1.0
TRF Originator.....	CTS (Guangzhou) Testing Service Technology Co., Ltd.
Master TRF .....	Dated 2009-01
<b>CTS (Guangzhou) Testing Service Technology Co., Ltd. All rights reserved.</b>	
This publication may be reproduced in whole or in part for non-commercial purposes as long as the CTS (Guangzhou) Testing Service Technology Co., Ltd. is acknowledged as copyright owner and source of the material. CTS (Guangzhou) Testing Service Technology Co., Ltd. takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.	
Test item description.....	Bamboo USB Hub
Trade Mark .....	/
Manufacturer .....	Del Ko Company
Model/Type reference .....	DB1110
Ratings .....	DC 5V By PC
Result .....	<b>Positive</b>

Compiled by:



Violet Lee / File administrators

Supervised by:



Tom Xiao / Technique principal

Approved by:



Vincent Yao / Manager

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

**CTS (Guangzhou) Testing Service Technology Co., Ltd.**  
Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China  
Tel: +86-20-85543113 (32 lines) Fax: +86-20-38780406  
Complaint line: +86-20-85533471 E-mail: cts@cts-lab.com.cn

See Reverse For Terms And Conditions of Service

## FCC -- T E S T R E P O R T

Test Report No. : CGZ3111214-01092-E

19 December 2011  
Date of issue

Type / Model.....	DB1110
EUT.....	Bamboo USB Hub
<b>Applicant</b> .....	Del Ko Company
Address.....	Room 1310, Block B, Golden Industrial Building, 16-26 Kwai Tak Street, Kwai Chung, N.T., Hong Kong
Telephone.....	+852-2127 7370
Fax.....	/
Contact.....	Veronica Lau
<b>Manufacturer</b> .....	Del Ko Company
Address.....	Room 1310, Block B, Golden Industrial Building, 16-26 Kwai Tak Street, Kwai Chung, N.T., Hong Kong
Telephone.....	+852-2127 7370
Fax.....	/
Contact.....	Veronica Lau
<b>Test report holder</b> .....	Del Ko Company
Address.....	Room 1310, Block B, Golden Industrial Building, 16-26 Kwai Tak Street, Kwai Chung, N.T., Hong Kong
Telephone.....	+852-2127 7370
Fax.....	/
Contact.....	Veronica Lau

### Test Result according to the standards on page 3: **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.

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

**CTS (Guangzhou) Testing Service Technology Co., Ltd.**  
Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China  
Tel: +86-20-85543113 (32 lines) Fax: +86-20-38780406  
Complaint line: +86-20-85533471 E-mail: cts@cts-lab.com.cn

See Reverse For Terms And Conditions of Service

## TABLE OF CONTENTS

Description	Page
1 TEST STANDARDS.....	4
2 SUMMARY.....	4
2.1 GENERAL REMARKS .....	4
2.2 FINAL ASSESSMENT.....	4
3 EQUIPMENT UNDER TEST.....	5
3.1 Power supply system utilised .....	5
3.2 Short description of the Equipment under Test (EUT) .....	5
3.3 EUT operation mode.....	5
3.4 EUT configuration.....	6
4 TEST ENVIRONMENT .....	7
4.1 Address of the test laboratory.....	7
4.2 Test facility .....	7
4.3 Environmental conditions.....	7
4.4 Definitions of symbols used in this test report .....	7
4.5 Statement of the measurement uncertainty.....	7
4.6 Measurement Uncertainty.....	8
4.7 Test Description.....	8
5 TEST CONDITIONS AND RESULTS .....	9
5.1 Power Line Conducted Emission Test .....	9
5.2 Radiated disturbance (electric field).....	13
6 USED TEST EQUIPMENT.....	19
7 Deviation to test specifications .....	20
8 Normative references .....	21
9 Manufacturer/ Approval holder Declaration.....	22

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

## 1 TEST STANDARDS

The tests were performed according to following standards:

- 47 CFR PART 15 OCT, 2010
- ANSI C63.4-2009

## 2 SUMMARY

### 2.1 GENERAL REMARKS

Date of receipt of test sample	14 December 2011
Testing commenced on	17 December 2011
Testing concluded on	17 December 2011

### 2.2 FINAL ASSESSMENT

The FCC requirements pertaining to the technical standards and tested operation modes are

- fulfilled.
- **not** fulfilled.

The equipment under test

- fulfils the FCC requirements cited on page 3.
- **does not** fulfil the FCC requirements cited on page 3.

### 3 EQUIPMENT UNDER TEST

#### 3.1 Power supply system utilised

Power supply voltage :  DC 5V By PC  AC 115V/60Hz  
 AC 120V/60 Hz

#### 3.2 Short description of the Equipment under Test (EUT)

Number of tested samples: 1  
Serial number: Prototype

#### 3.3 EUT operation mode

The equipment under test was operated during the measurement under the following conditions:

- Copy data

#### Operation mode 1:Copy data

Emissions tests.....: According to **47 CFR PART 15 OCT, 2010**, searching for the highest disturbance.

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

**CTS (Guangzhou) Testing Service Technology Co., Ltd.**  
Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China  
Tel: +86-20-85543113 (32 lines) Fax: +86-20-38780406  
Complaint line: +86-20-85533471 E-mail: [cts@cts-lab.com.cn](mailto:cts@cts-lab.com.cn)

See Reverse For Terms And Conditions of Service

### 3.4 EUT configuration

#### 3.4.1. Monitor

M/N	:	E7722-f
S/N	:	CN-02W486-64180-3B7-01MP
Manufacturer	:	DELL
Power Cord	:	Unshielded, Detachable, 1.8m , 3Pin
Certificate	:	By DoC

#### 3.4.2. Keyboard

M/N	:	SK-8110
S/N	:	CN-07N244-71616-37T-B293
Manufacturer	:	DELL
Power Cord	:	Shielded, Detachable
Certificate	:	By DoC

#### 3.4.3. Personal Computer

M/N	:	DIMENSION 4600
S/N	:	CN-OTO486-42940-37M-00XB
Manufacturer	:	DELL
Power Cord	:	Unshielded, Detachable, 1.8m , 3Pin
FCC ID	:	By DoC

#### 3.4.4. iPod

M/N	:	A1367
S/N	:	C3WFH3VKDCP7
Manufacturer	:	iPOD
Power Cord	:	N/A
FCC ID	:	By ID

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

## 4 TEST ENVIRONMENT

### 4.1 Address of the test laboratory

Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China

Tel: +86-20-85543113 (32 lines) Fax: +86-20-38780406

### 4.2 Test facility

The test facility is recognized, certified, or accredited by the following organizations:

#### CNAS-Lab Code: L3394

CTS (Guangzhou) Testing Service Technology Co., Ltd. has been assessed and proved to be in compliance with CNAS-CL01: 2006 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC 17025: 2005 General Requirements) for the Competence of Testing and Calibration Laboratories.

#### IC-Registration No.: 8374A

The 3m Alternate Test Site of CTS (Guangzhou) Testing Service Technology Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 8374A on June 06, 2011.

#### FCC-Registration No.: 971995

CTS (Guangzhou) Testing Service Technology Co., Ltd., EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. Registration No.971995, July 21,2009.

### 4.3 Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15-35 ° C
Humidity:	25-75 %
Atmospheric pressure:	86-106 kPa

### 4.4 Definitions of symbols used in this test report

- The black square indicates that the listed condition, standard or equipment is applicable for this report.
- The empty square indicates that the listed condition, standard or equipment is **not** applicable for this report.

### 4.5 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 CTS 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.

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

## 4.6 Measurement Uncertainty

Test Item	Frequency Range	Uncertainty	Note
Conduction disturbance	150kHz~30MHz	±1.22dB	(1)
Power disturbance	30MHz~300MHz	±1.38dB	(1)
Radiation emission (3m)	30MHz~300MHz	±3.14dB	(1)
	300MHz~1000MHz	±3.18dB	(1)

- (1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.
- (2) The actual EUT tested items in this test report, only applies to this "measurement uncertainty" in part / all of the corresponding data.

## 4.7 Test Description

### 4.7.1 Description of Standards and Results

EMISSION		
Description of Test Item	Standard	Results
Conducted Emission Test	<b>47 CFR PART 15 OCT, 2010</b> <b>ANSI C63.4-2009</b>	<b>PASS Class B</b>
Radiated Emission Test	<b>47 CFR PART 15 OCT, 2010</b> <b>ANSI C63.4-2009</b>	<b>PASS Class B</b>

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

**CTS (Guangzhou) Testing Service Technology Co., Ltd.**  
 Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China  
 Tel: +86-20-85543113 (32 lines) Fax: +86-20-38780406  
 Complaint line: +86-20-85533471 E-mail: cts@cts-lab.com.cn

See Reverse For Terms And Conditions of Service

## 5 TEST CONDITIONS AND RESULTS

### 5.1 Power Line Conducted Emission Test

For test instruments and accessories used see section 6 part 6.2.

#### 5.1.1 Description of the test location

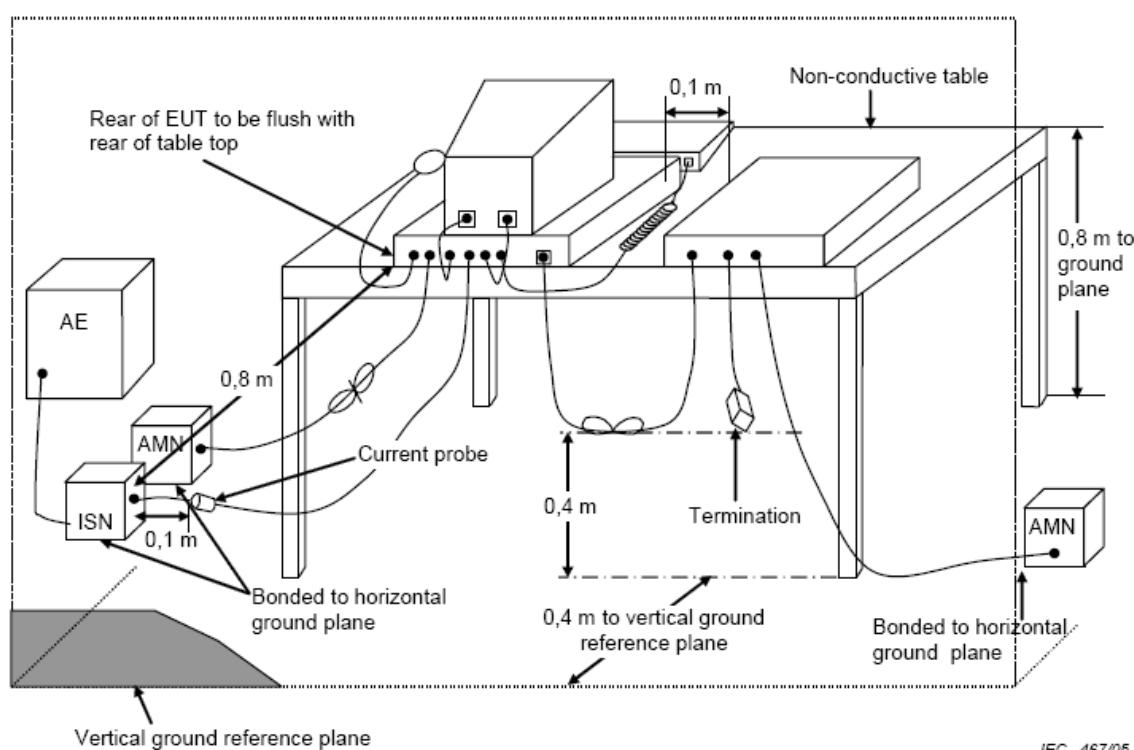
Test location : Shielding Room

#### 5.1.2 Description of the test set-up

##### 5.1.2.1 Operating Condition

The EUT is engraving during the test, and the results of the maximum emanation are recorded

##### 5.1.2.2 Block Diagram of Test Setup



#### 5.1.3 Limits of disturbance (Class B)

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(µV)	Average Level dB(µV)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Note: (1) The tighter limit shall apply at the edge between two frequency bands.

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

#### 5.1.4 Test result

The requirements are	<b>Fulfilled</b>
Band width	9kHz
Frequency range	0.15kHz - 30 MHz
Min. limit margin	>5.04 dB at 0.15MHz - 30 MHz

**Remarks:** The limits are kept. For detailed results, please see the following page(s).

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

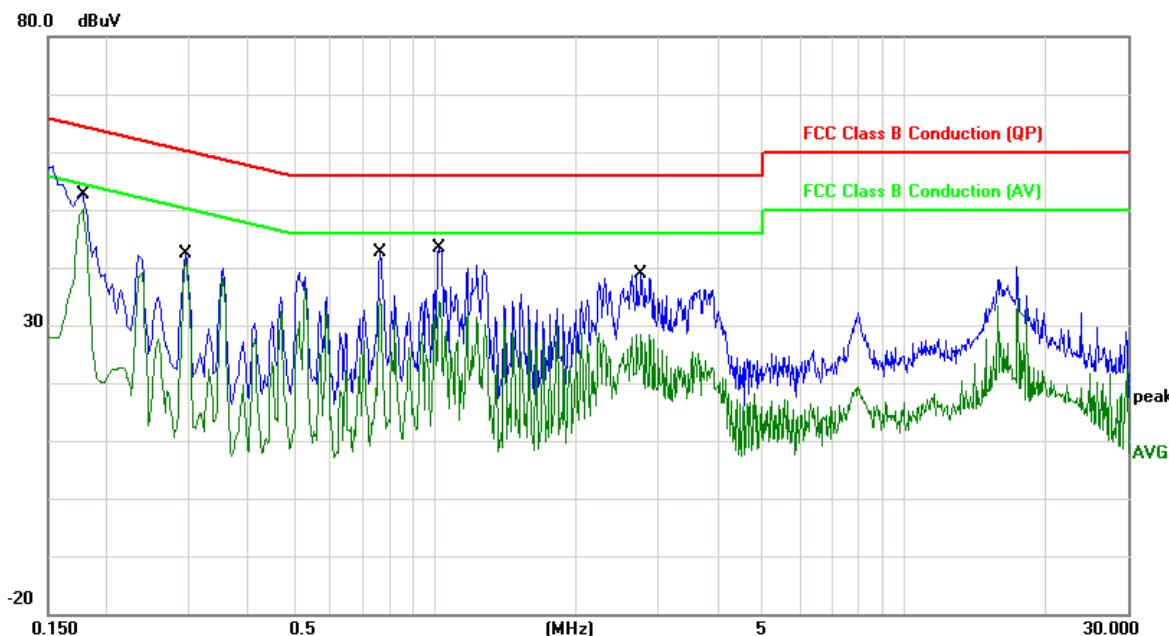
**CTS (Guangzhou) Testing Service Technology Co., Ltd.**  
Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China  
Tel: +86-20-85543113 (32 lines) Fax: +86-20-38780406  
Complaint line: +86-20-85533471 E-mail: [cts@cts-lab.com.cn](mailto:cts@cts-lab.com.cn)

See Reverse For Terms And Conditions of Service

### 5.1.5 Test protocol

Channel:	Copy data	Result:	<input checked="" type="checkbox"/> - passed
Test point:	L		<input type="checkbox"/> - not passed
Frequency range:	0.15~30MHz		

EUT	Bamboo USB Hub
Power Supply	DC 5V By PC
Test Condition	Ambient Temperature: 24°C Humidity: 56%
Operator	Leeon
Test Specification	MODE NO: DB1110



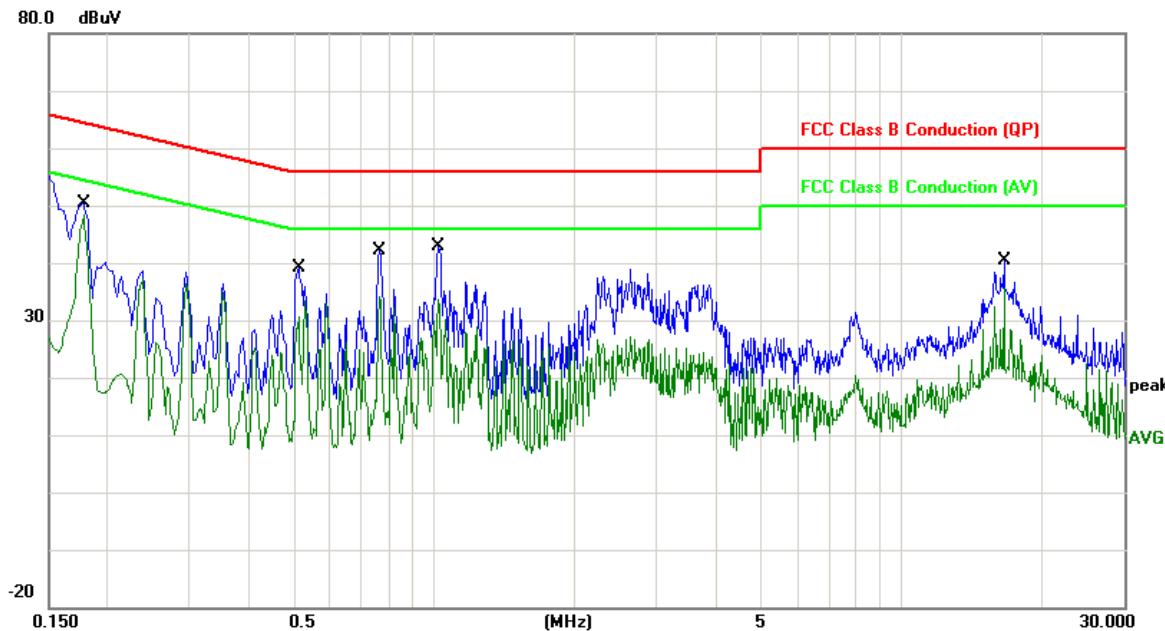
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1780	9.99	40.61	50.60	64.58	-13.98	QP
2	0.1780	9.99	39.55	49.54	54.58	-5.04	AVG
3	0.2940	9.99	31.59	41.58	60.41	-18.83	QP
4	0.2940	9.99	31.06	41.05	50.41	-9.36	AVG
5	0.7660	10.10	30.62	40.72	56.00	-15.28	QP
6	0.7660	10.10	25.00	35.10	46.00	-10.90	AVG
7	1.0260	10.12	31.95	42.07	56.00	-13.93	QP
8	1.0260	10.12	23.92	34.04	46.00	-11.96	AVG
9	2.7620	10.04	25.58	35.62	56.00	-20.38	QP
10	2.7620	10.04	16.62	26.66	46.00	-19.34	AVG

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

**CTS (Guangzhou) Testing Service Technology Co., Ltd.**  
 Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China  
 Tel: +86-20-85543113 (32 lines) Fax: +86-20-38780406  
 Complaint line: +86-20-85533471 E-mail: cts@cts-lab.com.cn

See Reverse For Terms And Conditions of Service

Channel:	Copy data	Result:	■ - passed
Test point:	N		□ - not passed
Frequency range:	0.15~30MHz		



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1780	9.99	38.70	48.69	64.58	-15.89	QP
2	0.1780	9.99	37.03	47.02	54.58	-7.56	AVG
3	0.5140	10.02	27.01	37.03	56.00	-18.97	QP
4	0.5140	10.02	19.87	29.89	46.00	-16.11	AVG
5	0.7660	10.10	30.24	40.34	56.00	-15.66	QP
6	0.7660	10.10	23.61	33.71	46.00	-12.29	AVG
7	1.0220	10.12	31.29	41.41	56.00	-14.59	QP
8	1.0220	10.12	22.57	32.69	46.00	-13.31	AVG
9	16.6460	10.20	25.77	35.97	60.00	-24.03	QP
10	16.6460	10.20	20.16	30.36	50.00	-19.64	AVG

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

## 5.2 Radiated disturbance (electric field)

For test instruments and accessories used see section 6 part 6.1.

### 5.2.1 Description of the test location

Test location : Semi-Anechoic chamber

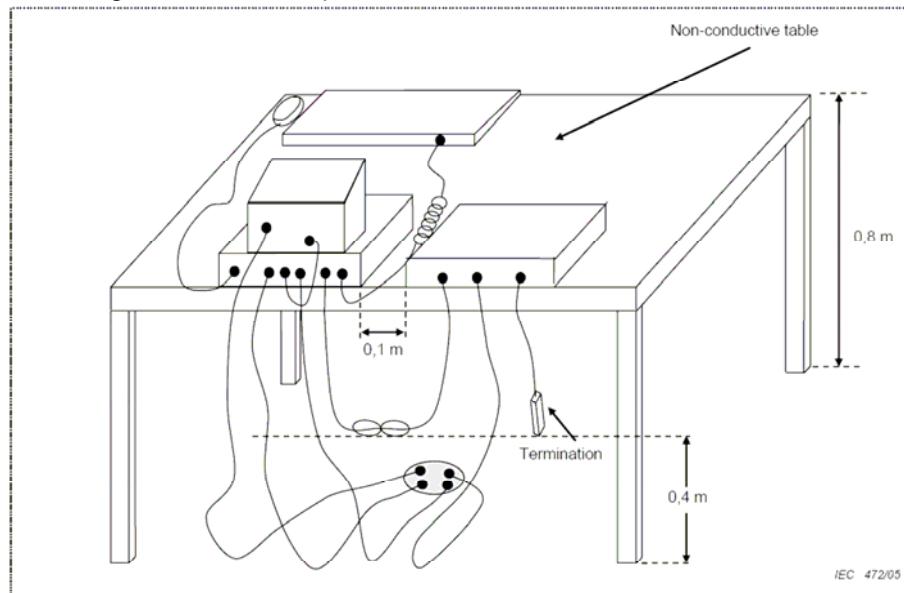
Test disturbance: 3 Meter

### 5.2.2 Description of the test set-up

#### 5.2.2.1 Operating Condition

The EUT is engraving during the test, and the results of the maximum emanation are recorded

#### 5.2.2.2 Block Diagram of Test Setup



### 5.2.3 Limits of disturbance (Class B)

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		µV/m	dB(µV)/m
0.009 ~ 0.490	3	---	63.0
0.490 ~ 1.705	3	---	43.0
1.705	30	----	49.5

Frequency (MHz)	Distance (Meters)	Field Strengths Limits (dB $\mu$ V/m)
30 ~ 88	3	40
88 ~ 216	3	43.5
216 ~ 960	3	46
960 ~ 1000	3	54

Note: (1) The tighter limit shall apply at the edge between two frequency bands.

(2) Distance refers to the distance in meters between the test instrument antenna and the closest point of any part of the E.U.T.

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

#### 5.2.4 Test result

The requirements are	<b>Fulfilled</b>
Band width	120kHz
Frequency range	9KHz - 6GHz
Min. limit margin	>2.79 dB at 30MHz - 1000 MHz

**Remarks:** The limits are kept. For detailed results, please see the following page(s).

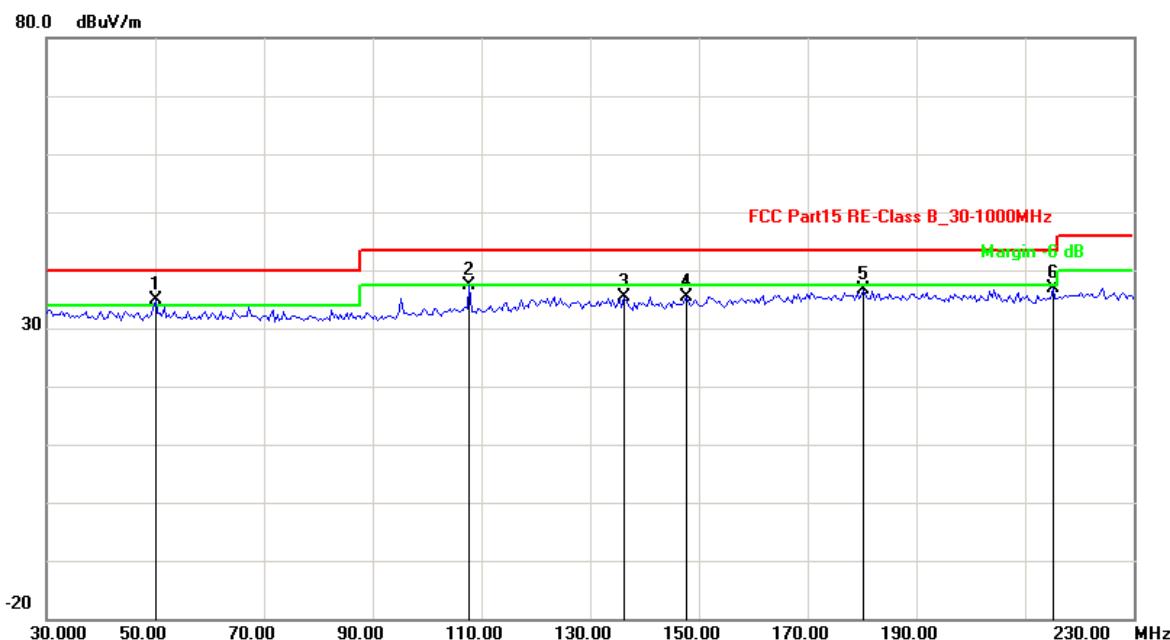
#### 5.2.5 Test protocol

<b>Operation mode 1</b>	Copy data	Result:	<input checked="" type="checkbox"/> - passed
Remarks:	9KHz~30MHz		<input type="checkbox"/> - not passed

No.	Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	16.9578	43.08	49.50	-6.42	QP
2	1.2110	37.28	43.00	-5.72	QP
3	15.1548	42.20	49.50	-7.30	QP
4	3.9156	40.86	49.50	-8.64	QP
5	6.6202	45.85	49.50	-3.65	QP
6	25.9732	43.47	49.50	-6.03	QP

Test point:	Horizontal	Result:	■ - passed
<b>Operation mode 1</b>	Copy data		□ - not passed
Remarks:	N/A		

EUT	Bamboo USB Hub
Power Supply	DC 5V By PC
Test Condition	Ambient Temperature: 24°C Humidity: 56%
Operator	Leeon
MODE NO:	DB1110

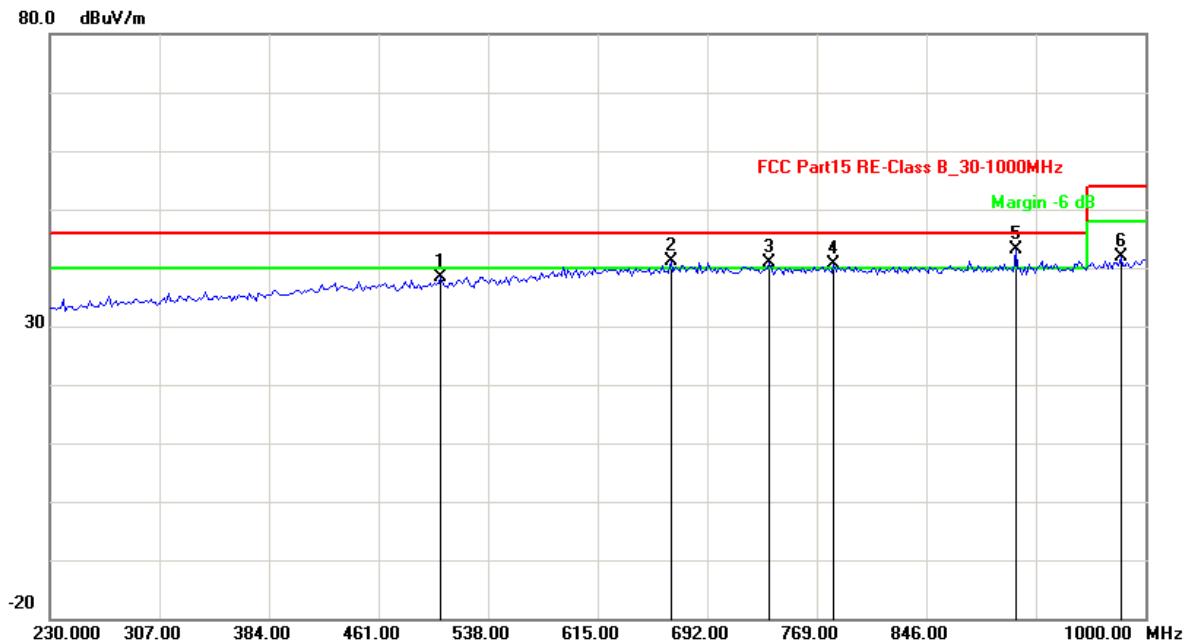


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	50.0401	5.30	29.49	34.79	40.00	-5.21	QP
2	107.7555	5.62	31.66	37.28	43.50	-6.22	QP
3	136.2124	6.48	28.88	35.36	43.50	-8.14	QP
4	147.8357	6.36	29.12	35.48	43.50	-8.02	QP
5	180.3006	7.45	29.29	36.74	43.50	-6.76	QP
6	215.1703	7.64	29.24	36.88	43.50	-6.62	QP

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

**CTS (Guangzhou) Testing Service Technology Co., Ltd.**  
 Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China  
 Tel: +86-20-85543113 (32 lines) Fax: +86-20-38780406  
 Complaint line: +86-20-85533471 E-mail: cts@cts-lab.com.cn

See Reverse For Terms And Conditions of Service



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	504.6693	8.61	29.83	38.44	46.00	-7.56	QP
2	666.6934	10.02	31.15	41.17	46.00	-4.83	QP
3	736.1323	10.25	30.60	40.85	46.00	-5.15	QP
4	780.8818	10.19	30.45	40.64	46.00	-5.36	QP
5	908.9579	10.50	32.71	43.21	46.00	-2.79	QP
6	983.0261	10.50	31.32	41.82	54.00	-12.18	QP

### Above 1G

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	3344.689	25.62	33.35	58.97	74.00	-15.03	peak
2	3344.689	25.62	21.35	46.97	54.00	-7.03	AVG
3	4086.172	28.61	31.81	60.42	74.00	-13.58	peak
4	4086.172	28.61	19.81	48.42	54.00	-5.58	AVG
5	4757.515	30.01	32.27	62.28	74.00	-11.72	peak
6	4757.515	30.01	18.27	48.28	54.00	-5.72	AVG
7	5408.818	32.38	31.41	63.79	74.00	-10.21	peak
8	5408.818	32.38	16.41	48.79	54.00	-5.21	AVG

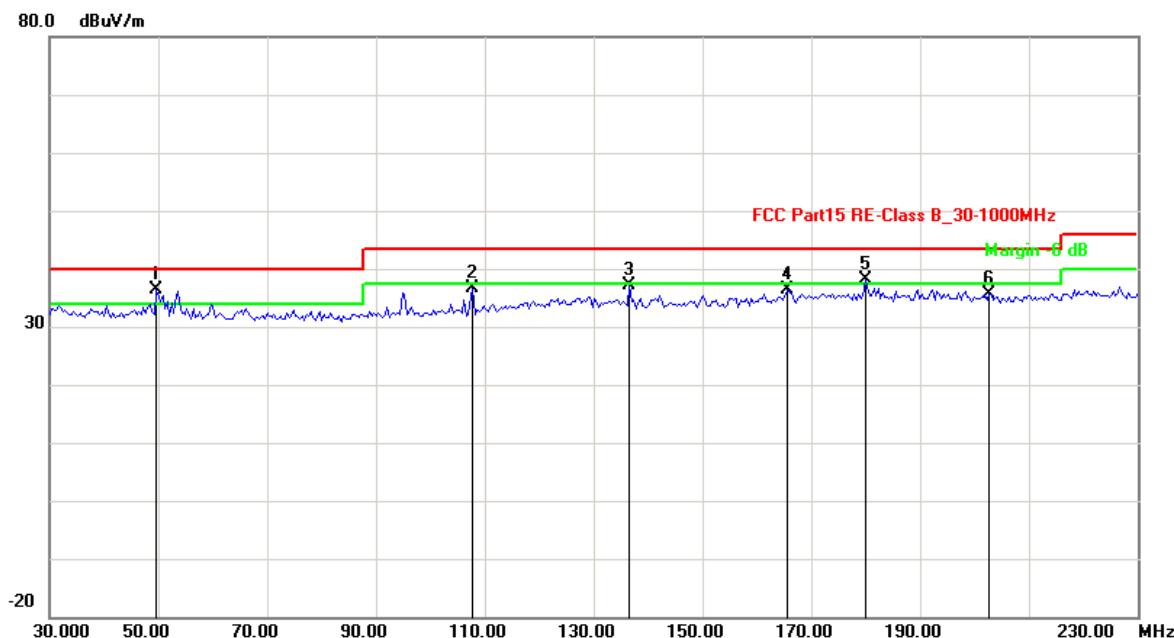
Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

**CTS (Guangzhou) Testing Service Technology Co., Ltd.**  
 Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China  
 Tel: +86-20-85543113 (32 lines) Fax: +86-20-38780406  
 Complaint line: +86-20-85533471 E-mail: cts@cts-lab.com.cn

See Reverse For Terms And Conditions of Service

Test point:	Vertical	Result:	■ - passed
Operation mode 1	Copy data		□ - not passed
Remarks:	N/A		

EUT	Bamboo USB Hub
Power Supply	DC 5V By PC
Test Condition	Ambient Temperature: 24°C Humidity: 56%
Operator	Leeon
MODE NO:	DB1110

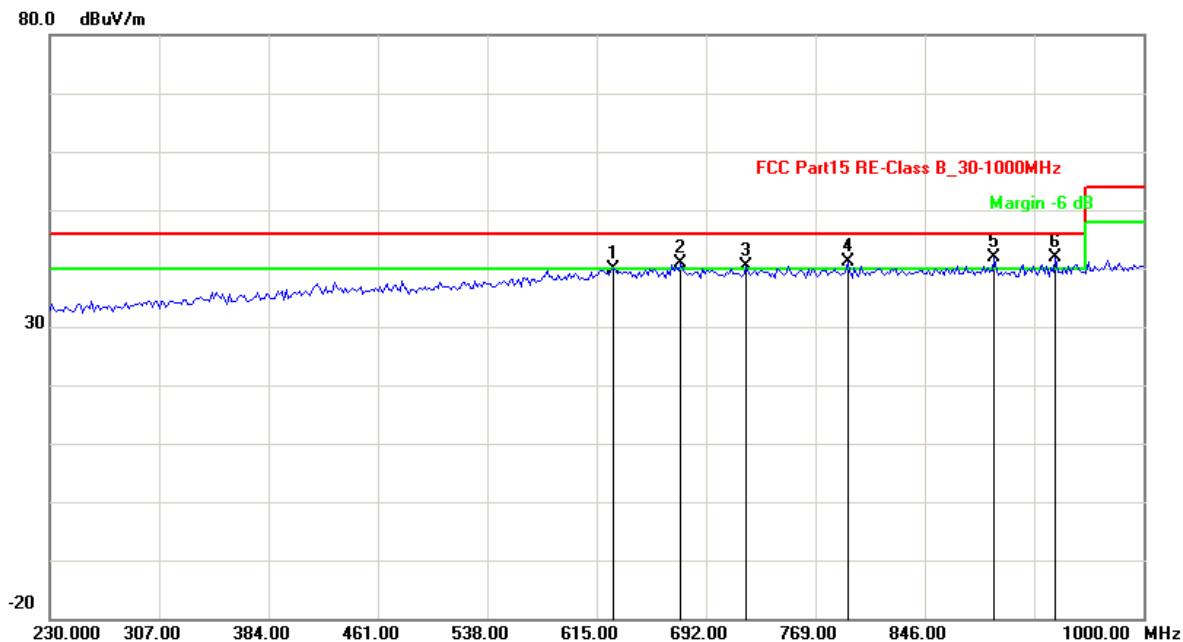


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	49.6393	5.31	31.09	36.40	40.00	-3.60	QP
2	107.7555	5.62	31.05	36.67	43.50	-6.83	QP
3	136.6132	6.47	30.75	37.22	43.50	-6.28	QP
4	165.4709	7.06	29.26	36.32	43.50	-7.18	QP
5	179.8998	7.45	30.64	38.09	43.50	-5.41	QP
6	202.7455	7.34	28.19	35.53	43.50	-7.97	QP

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

**CTS (Guangzhou) Testing Service Technology Co., Ltd.**  
 Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China  
 Tel: +86-20-85543113 (32 lines) Fax: +86-20-38780406  
 Complaint line: +86-20-85533471 E-mail: cts@cts-lab.com.cn

See Reverse For Terms And Conditions of Service



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	626.5731	9.75	30.16	39.91	46.00	-6.09	QP
2	674.4088	10.14	30.71	40.85	46.00	-5.15	QP
3	720.7014	10.27	30.11	40.38	46.00	-5.62	QP
4	791.6834	10.08	31.00	41.08	46.00	-4.92	QP
5	895.0701	10.50	31.38	41.88	46.00	-4.12	QP
6	938.2766	10.50	31.48	41.98	46.00	-4.02	QP

#### Above 1G

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	2873.747	23.56	35.61	59.17	74.00	-14.83	peak
2	2873.747	23.56	23.61	47.17	54.00	-6.83	AVG
3	3725.451	27.16	32.46	59.62	74.00	-14.38	peak
4	3725.451	27.16	20.46	47.62	54.00	-6.38	AVG
5	4577.154	29.88	31.76	61.64	74.00	-12.36	peak
6	4577.154	29.88	18.76	48.64	54.00	-5.36	AVG
7	5829.659	33.71	33.63	67.34	74.00	-6.66	peak
8	5829.659	33.71	14.63	48.34	54.00	-5.66	AVG

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

**CTS (Guangzhou) Testing Service Technology Co., Ltd.**  
 Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China  
 Tel: +86-20-85543113 (32 lines) Fax: +86-20-38780406  
 Complaint line: +86-20-85533471 E-mail: cts@cts-lab.com.cn

See Reverse For Terms And Conditions of Service

## 6 USED TEST EQUIPMENT

### 6.1

Radiated Emission Test					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	EMI Test Receiver	ROHDE & SCHWARZ	ESCI	100868	2011/12
2	Biconical Antenna	ROHDE & SCHWARZ	HK116	100221	2011/12
3	Log per Antenna	ROHDE & SCHWARZ	HL223	100226	2011/12
4	Log per Antenna	ROHDE & SCHWARZ	HL050	100186	2011/12
5	EMI Test Software	ROHDE & SCHWARZ	ESK1	N/A	2011/12
6	Loop Antenna	A.R.A	PLA-1030/B	1030	2011/12

### 6.2

Conducted Disturbance					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	EMI Test Receiver	ROHDE & SCHWARZ	ESHS10	842884/012	2011/12
2	Artificial Mains	ROHDE & SCHWARZ	ESH3-Z5	832479/025	2011/12
3	Pulse Limiter	ROHDE & SCHWARZ	ESHSZ2	100301	2011/12
4	EMI Test Software	ROHDE & SCHWARZ	ESK1	N/A	2011/12

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

**CTS (Guangzhou) Testing Service Technology Co., Ltd.**  
Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China  
Tel: +86-20-85543113 (32 lines) Fax: +86-20-38780406  
Complaint line: +86-20-85533471 E-mail: cts@cts-lab.com.cn

See Reverse For Terms And Conditions of Service

## 7 Deviation to test specifications

[ NONE]

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

**CTS (Guangzhou) Testing Service Technology Co., Ltd.**  
Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China  
Tel: +86-20-85543113 (32 lines) Fax: +86-20-38780406  
Complaint line: +86-20-85533471 E-mail: [cts@cts-lab.com.cn](mailto:cts@cts-lab.com.cn)

See Reverse For Terms And Conditions of Service

## 8 Normative references

- 1 FCC CFR PART 15: OCT, 2010  
Radio Frequency Devices
- 2 ANSI C 63.4 : 2009  
American National Standard for Methods of Measurement of Radio-Noise Emission from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz.

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

**CTS (Guangzhou) Testing Service Technology Co., Ltd.**  
Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China  
Tel: +86-20-85543113 (32 lines) Fax: +86-20-38780406  
Complaint line: +86-20-85533471 E-mail: [cts@cts-lab.com.cn](mailto:cts@cts-lab.com.cn)

See Reverse For Terms And Conditions of Service

## 9 Manufacturer/ Approval holder Declaration

The following identical model(s):

N/A

Belong to the tested device:

Product description: **Bamboo USB Hub**  
Model name: **DB1110**

**No additional models were tested.**

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

**CTS (Guangzhou) Testing Service Technology Co., Ltd.**  
Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China  
Tel: +86-20-85543113 (32 lines) Fax: +86-20-38780406  
Complaint line: +86-20-85533471 E-mail: [cts@cts-lab.com.cn](mailto:cts@cts-lab.com.cn)

See Reverse For Terms And Conditions of Service