

FCC REPORT

Applicant: COBY COMMUNICATIONS LTD.

Address of Applicant: Unit C-E, 8/F , PO Shau Centre, 115 How Ming Stree, Kowloon, Hong Kong

Equipment Under Test (EUT)

Product Name: NETBOOK

Model No.: NBPC1025

FCC ID: S7INBPC1165-1025B

Applicable standards: FCC CFR Title 47 Part 15 Subpart B: 2010

Date of sample receipt: 19 Jun., 2012

Date of Test: 20 Jun., to 20 Aug., 2012

Date of report issued: 06 Sep., 2012

Test Result : Pass *

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Bruce Zhang
Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the CCIS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

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2 Version

Version No.	Date	Description
00	06 Sep., 2012	Original

Prepared By:

Joe. Zhou

Project Engineer

Date:

06 Sep., 2012

Check By:

Bruce Zhang

Reviewer

Date:

06 Sep., 2012

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4 Test Summary

Test Item	Section in CFR 47	Result
Conducted Emission	Part15.107	Pass
Radiated Emissions	Part15.109	Pass

Pass: The EUT complies with the essential requirements in the standard.

Remarks:

1. This report was base on the report No.: CCIS12060009303
The model NBPC1165 and NBPC1025 have same PCB layout, Interior structure and electrical circuits and RF module, the difference is the colour and size of product.

Model No.:	NBPC1165	NBPC1025
Display Type	11.6 " TFT LCD	10" TFT LCD

2. So in this report just test the below items:
Spurious Emission :below 1GHz
Other test items please refer to the report No.: CCIS12060009303

5 General Information

5.1 Client Information

Applicant:	COBY COMMUNICATIONS LTD.
Address of Applicant:	Unit C-E, 8/F , PO Shau Centre, 115 How Ming Stree, Kowloon, Hong Kong
Manufacturer/ Factory:	SHENZHEN COBY COMMUNICATIONS CO., LTD
Address of Manufacturer/ Factory:	Block2-3,2nd Industrial Zone.Taoxia Residents' Committee,DaLang Sub-district,Bao An District, Shenzhen city, China

5.2 General Description of E.U.T.

Product Name:	NETBOOK
Model No.:	NBPC1025
AC adapter 1:	Model:PS36IBFAK2400U Input:AC100-240V~50/60Hz 1.0A Output:DC15.0V/2400mA
AC adapter 2:	Model: PS36IBFAY2400S Input: AC100-240V~50/60Hz 1.0A Output: DC15.0V/2400mA

5.3 Operating Modes

Operating mode	Detail description
HDMI output mode	Keep the EUT in HDMI output mode
Downloading with SD and USB mode	Keep the EUT in exchange data with PC by USB and SD port.
Ping mode :	Keep the EUT in Ping mode.
VGA Output Mode :	Keep the EUT in VGA Output mode.
Remark:	Based on pre-scan, the Downloading with SD and USB mode with adapter 1 was the worst case, so all test items were performed under this mode.

5.4 Description of Support Units

Manufacturer	Description	Model	Serial Number	FCC ID/DoC
HP	MONITOR	CompaqLE1851WL	515682-070	DoC
PNY	Udisk	HOOK	N/A	DoC
Kinston	SD Card	N/A	N/A	DoC

5.5 Deviation from Standards

None

5.6 Abnormalities from Standard Conditions

None.

5.7 Other Information Requested by the Customer

None.

5.8 Test Facility

The test facility is recognized, certified, or accredited by the following organizations: ● FCC —Registration No.: 817957 China Certification & Inspection Services Co., Ltd., Shenzhen 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 817957, February 27, 2012 ● Industry Canada (IC) The 3m Semi-anechoic chamber of China Certification & Inspection Services Co., Ltd. Has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.
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5.9 Test Location

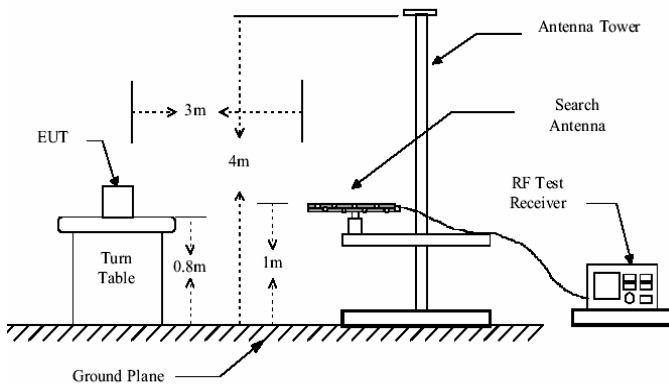
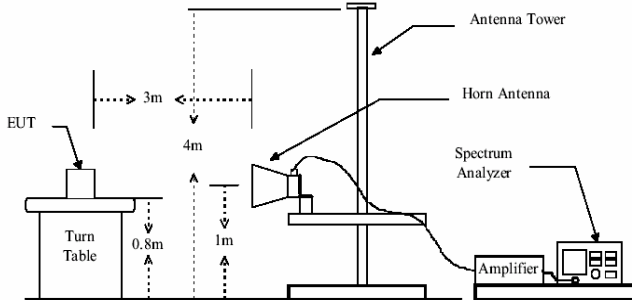
All tests were performed at:
China Certification & Inspection Services Co., Ltd. Address: 1st Floor, Block No.2, Laodong Industrial Zone, Xixiang Road Baoan District, Shenzhen, China Tel: 0755-23118282 Fax: 0755-23116366

6 Test Instruments list

Radiated Emission:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (dd-mm-yy)	Cal.Due date (dd-mm-yy)
1	3m Semi- Anechoic Chamber	SAEMC	9(L)*6(W)* 6(H)	CCIS0001	June 09 2012	June 09 2013
2	Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	GTS202	N/A	N/A
3	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	CCIS0005	June 04 2012	June 04 2013
4	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	CCIS0006	May 30 2012	May 30 2013
5	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
6	Coaxial Cable	CCIS	N/A	CCIS0016	Apr. 01 2012	Apr. 01 2013
7	Coaxial Cable	CCIS	N/A	CCIS0017	Apr. 01 2012	Apr. 01 2013
8	Coaxial cable	CCIS	N/A	CCIS0018	Apr. 01 2012	Apr. 01 2013
9	Coaxial Cable	CCIS	N/A	CCIS0019	Apr. 01 2012	Apr. 01 2013
10	Coaxial Cable	CCIS	N/A	CCIS0087	Apr. 01 2012	Apr. 01 2013
11	Amplifier(10KHz-1.3GHz)	HP	8447D	CCIS0003	Apr. 01 2012	Apr. 01 2013
12	Amplifier(1GHz-18GHz)	Compliance Direction Systems Inc.	PAP-1G18	CCIS0011	June 09 2012	June 09 2013
13	Printer	Hp	HP LaserJet P1007	N/A	N/A	N/A
14	Positioning Controller	UC	UC3000	CCIS0015	N/A	N/A

7 Test results and Measurement Data

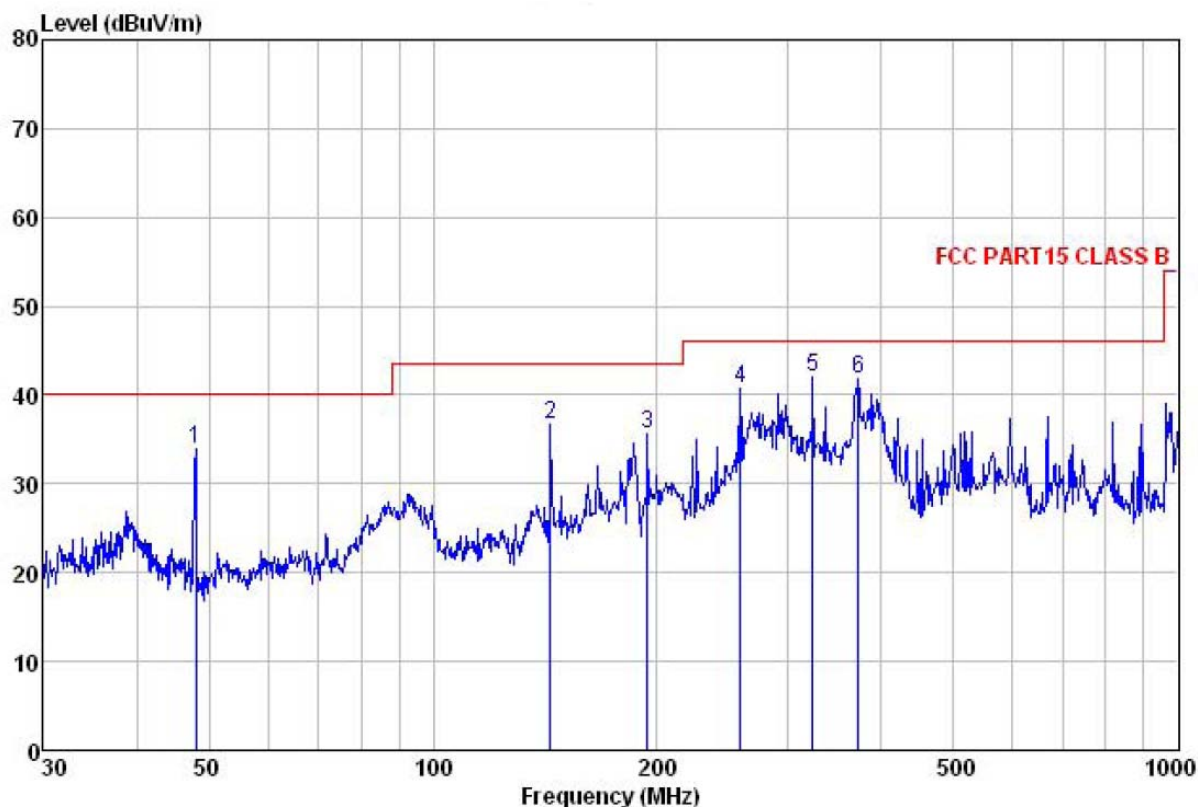
7.1 Radiated Emission

Test Requirement:	FCC Part15 B Section 15.109				
Test Method:	ANSI C63.4:2003				
Test Frequency Range:	30MHz to 6000MHz				
Test site:	Measurement Distance: 3m (Semi-Anechoic Chamber)				
Receiver setup:	Frequency	Detector	RBW	VBW	Remark
	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
		Peak	1MHz	10Hz	Average Value
Limit:	Frequency		Limit (dBuV/m @3m)		Remark
	30MHz-88MHz		40.0		Quasi-peak Value
	88MHz-216MHz		43.5		Quasi-peak Value
	216MHz-960MHz		46.0		Quasi-peak Value
	960MHz-1GHz		54.0		Quasi-peak Value
	Above 1GHz		54.0		Average Value
			74.0		Peak Value
Test setup:	Below 1GHz				
					
	Above 1GHz				
					

Test Procedure:	1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
Test environment:	Temp.: 25 °C Humid.: 52% Press.: 1 012mbar
Measurement Record:	Uncertainty: 4.88dB
Test Instruments:	Refer to section 6 for details
Test mode:	Pre-scan all test mode in the section 5.3, and found the blew mode which it is worse case mode.
Test results:	Passed

Measurement Data

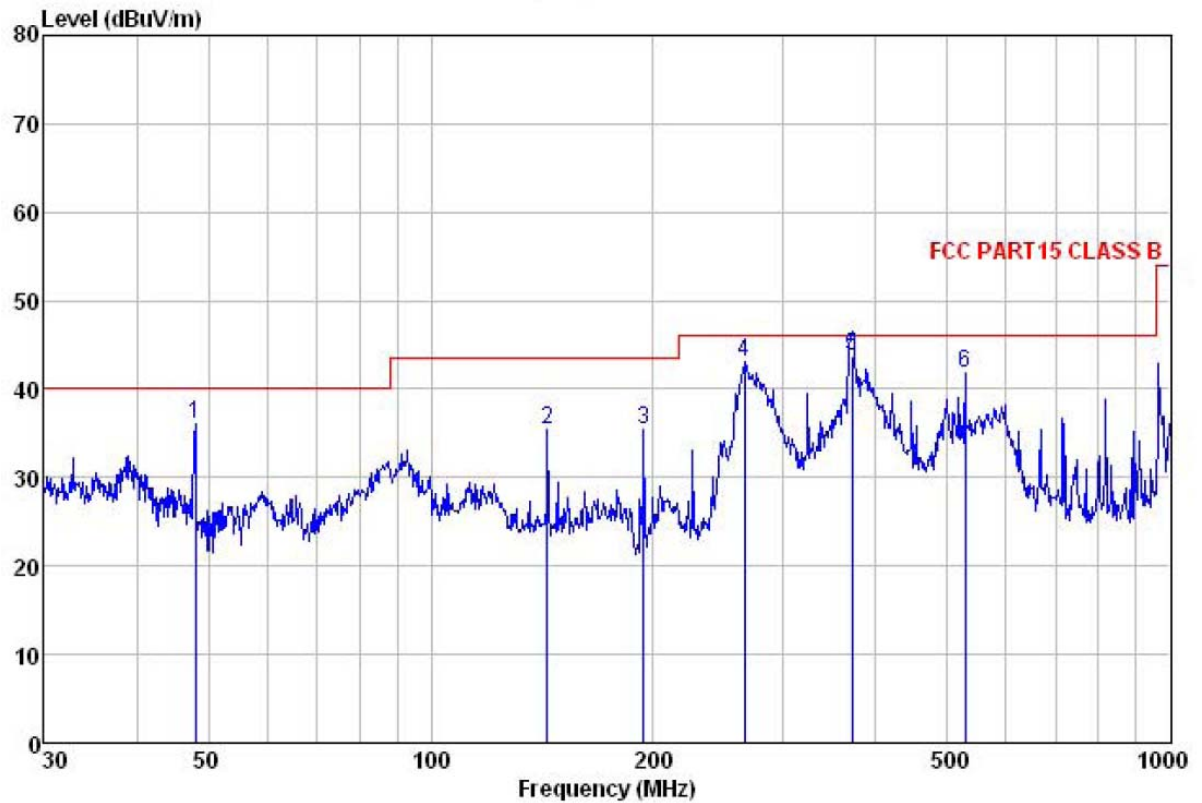
Horizontal:



Site : 3m chamber
 Condition : FCC PART15 CLASS B 3m VULB9163(2012.4.1) HORIZONTAL
 Job NO. : 095RF
 Test mode : downloading mode
 Test Engineer: Joe

	Freq	ReadAntenna	Cable	Preamp	Level	Limit	Over	
	MHz	Level	Factor	Loss	Factor	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	47.994	47.46	13.36	1.27	28.10	33.99	40.00	-6.01 QP
2	143.830	55.28	8.22	2.44	29.32	36.62	43.50	-6.88 QP
3	193.773	52.11	10.56	2.82	29.82	35.67	43.50	-7.83 QP
4	258.326	55.43	12.05	2.83	29.57	40.74	46.00	-5.26 QP
5	323.320	55.03	13.46	3.02	29.55	41.96	46.00	-4.04 QP
6	372.005	53.87	14.53	3.09	29.78	41.71	46.00	-4.29 QP

Vertical:



Site : 3m chamber
 Condition : FCC PART15 CLASS B 3m VULB9163(2012.4.1) VERTICAL
 Job NO. : 095RF
 Test mode : downloading mode
 Test Engineer: Joe

	ReadAntenna	Cable Preamp			Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	47.994	49.54	13.36	1.27	28.10	36.07	40.00
2	143.830	54.13	8.22	2.44	29.32	35.47	43.50
3	193.773	51.79	10.56	2.82	29.82	35.35	43.50
4	265.676	57.59	12.26	2.85	29.54	43.16	46.00
5	370.702	55.98	14.51	3.09	29.77	43.81	46.00
6	528.246	51.51	17.15	3.77	30.53	41.90	46.00