Exhibit C..... Measurement Report

FCC Part 15 Subpart B EMI TEST REPORT

of

E.U.T. : KEYBOARD

MODEL: 5113RF

FCC ID.: E5XKB5113RL0210

for

APPLICANT: BEHAVIOR TECH COMPUTER CORP.

ADDRESS: 2F, 51, TUNG HSING RD., TAIPEI, TAIWAN, R.O.C.

Test Performed by

ELECTRONICS TESTING CENTER, TAIWAN

NO. 8 LANE 29, WENMIMG ROAD, LOSHAN TSUN, KWEISHAN HSIANG, TAOYUAN, TAIWAN, R.O.C.

Tel:(03)3280026-32

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Report Number: ET87R-07-052-02

Issued Date: AUG. 13, 1998

Applicant

Manufacturer

Description of EUT

TEST REPORT CERTIFICATION

: BEHAVIOR TECH COMPUTER CORP.

: BEHAVIOR TECH COMPUTER CORP.

CHUNG LI, TAIWAN, R.O.C.

:

a) Type of EUT

b) Trade Name

c) Model No.

Regulation Applied: FCC Rules and Regulations Part 15 Subpart B (1996)

d) FCC ID.

2F, 51, TUNG HSING RD., TAIPEI, TAIWAN, R.O.C.

: KEYBOARD

: E5XKB5113RL0210

: BTC

Will Yauo, Supervisor
EMI Test Site of ELECTRONICS
TESTING CENTER, TAIWAN

: 5113RF

14, CHI-CHANG FIRST RD., CHUNG LI INDUSTRIAL PARK,

procedures given	in ANSI C63.4 and the ene	own in this report were made in accordance with the rgy emitted by the device was founded to be within the for accuracy and completeness of these data.
2. The tes	ults of the testing report relatesting report shall not be reproval of ETC.	te only to the items tested. Educed except in full, without the written
Test Date :	AUG. 07, 1998	
Test Engineer:	S.S. Lion	

(S. S. Liou)

Approve & Authorized Signer:

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1. GENERAL INFORMATION

1.1 Product Description

a) Type of EUT : KEYBOARD

b) Trade Name : BTC c) Model No. : 5113RF

1.2 Characteristics of Device

The EUT is the receiver portion of wireless keyboard. The EUT has to be connected to a personal computer while working and it can receive RF signal emitted from the transmitter portion of wireless keyboard. The whole wireless keyboard system can perform all functions that a traditional keyboard can do.

1.3 Test Methodology

Both conducted and radiated testing were performed according to the procedures in section 12.1 of ANSI C63.4(1992).

The field strength measurements of the receiver under test which was placed on an wooden turntable 0.8 meter in height. The receiving antenna polarized horizontally was varied from 1 to 4 meters and the wooden turntable was rotated through 360 degrees to obtain the highest reading on the field strength meter or on the display of the spectrum analyzer. And also, each emission was to be maximized by changing the orientation of the RECEIVER under test.

These measurements were repeated with the receiving antenna polarized vertically.

1.4 Test Facility

The open area test site and conducted measurement facility used to collect the radiated data is located on the roof top of Building at No.34, 5 Lirn, Din Fu Tsun, Lin Kou, Taipei, Taiwan, R.O.C.

This site has been fully described in a report submitted to your office, and accepted in a letter dated Feb. 10, 1997.

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2. DEFINITION AND LIMITS

2.1 Definition

Unintentional radiator:

A device that intentionally generates and radio frequency energy for use within the device, or that sends radio frequency signals by conduction to associated equipment via connecting wiring, but which is not intended to emit RF energy by radiation or induction.

2.2 Limitation

(1) Conducted Emission Limits:

According to 15.107, Except for Class A digital devices, for equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 450 kHz to 30 MHz shall not exceed 250 microvolts. Compliance with this provision shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminals.

Class B Line Conducted Emission Limits:

Frequency MHz	Emissions $\mu{ m V}$	Emissions dB μ V	
0.45 - 30.0	250	48.0	

(2) Radiated Emission Limits:

According to 15.109 Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Class B Radiated Emission Limits:

Frequency MHz	Distance Meters	Radiated dB μ V/m	Radiated μV/m
30 - 88	3	40.0	100
88 - 216	3	43.5	150
216 - 960	3_	46.0	200
above 960	3	54.0	500

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2.3 Labeling Requirement

The device shall bear the following statement in a conspicuous location on the device:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

2.4 User Information

The users manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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3. RADIATED EMISSION MEASUREMENT

3.1 Description

The following data lists the significant emission frequencies, measured levels, correction factor (includes cable and antenna corrections), the corrected reading, the limit, and margin. Explanation of the Correction Factor is given in paragraph 5.4.

3.2 Radiated Emission Data

Test Date: JUL. 15, 1998 Temperature : 30 °C Humidity: 60%

Operation Mode : Rx

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result @3m (dBuV/m)	Limit @3m (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (m)
120.064	V	51.9	-11.9	40.0	43.5	-3.5	180	1.0
144.071	>	51.0	-10.8	40.2	43.5	-3.3	0	1.0
156.086	>	49.6	-10.4	39.2	43.5	-4.3	180	1.0
240.129	Н	40.7	-4.9	35.8	46.0	-10.2	180	1.5
288.143	Н	42.5	-3.5	39.0	46.0	-7.0	180	1.6
465.079	Н	45.5	-4.7	40.8	46.0	-5.2	180	1.5

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Explanation of measuring instrument setup in frequency band measured is as following:

Frequency Band	Instrument	Function	Resolution	Video
(MHz)			bandwidth	Bandwidth
30 to 1000	RF Test Receiver	Quasi Peak	120 kHz	N/A
30 to 1000	Spectrum Analyzer	Peak	100 kHz	100 kHz

3.3 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$RESULT = READING + CORR. FACTOR$$

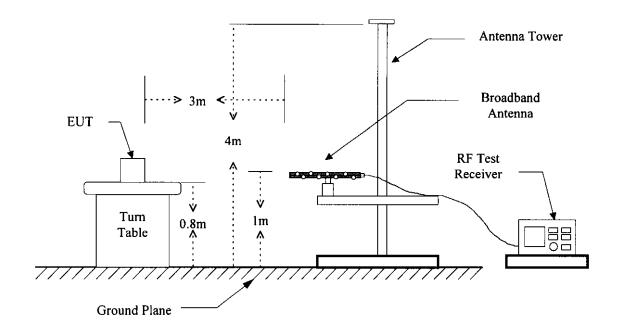
where CORR. FACTOR = Antenna FACTOR + Cable FACTOR - Amplifier Gain

3.4 Measuring Instrument

The following test equipment are used during the radiated test.

Equipment	Manufacturer	Model No.	Next Cal. Date
RF Test Receiver	Rohde and Schwarz	ESVS 30	DEC. 19, 1998
Spectrum Analyzer	Hewlett-Packard	8568B	OCT. 16, 1998
Pre-selector	Hewlett-Packard	85685A	OCT. 16, 1998
Quasi Peak Detector	Hewlett-Packard	85650A	OCT. 07, 1998
Log periodic Antenna	EMCO	3146	DEC. 10, 1999
Preamplifier	Hewlett-Packard	8447D	DEC. 23, 1998
Biconical Antenna	EMCO	3110	AUG. 05, 1999

3.5 Open Field Test Site Setup Diagram



4 CONDUCTED EMISSION MEASUREMENT

4.1 **Description**

The initial setup in collecting conducted data is a spectrum analyzer peak scan of the measurement range. Significant peaks are then marked as shown on following data pages, and these signals are the quasi-peaked.

4.2 **Conducted Emission Data**

Test Date: AUG. 07, 1998 Temperature : 23 ℃ Humidity: 50%

Operation Condition: Rx

Frequency	Reading	(dBuV)	Factor	Result	(dBuV)	Limit	Margin
(MHz)	Va	Vb	(dB)	Va	Vb	(dBuV)	(dB)
0.4967	25.8	26.6	0.2	26.0	26.8	48.0	-21.2
1.8458	22.4	23.8	0.3	22.7	24.1	4 8.0	-23.9
8.7328	28.3	28.9	0.5	28.8	29.4	48.0	-18.6
11.7139	28.1	28.4	0.6	28.7	29.0	48.0	-19.0
14.8373	28.8	30.6	0.8	29.6	31.4	48.0	-16.6
28.6361	41.2	40.4	1.1	42.3	41.5	48.0	-5.7

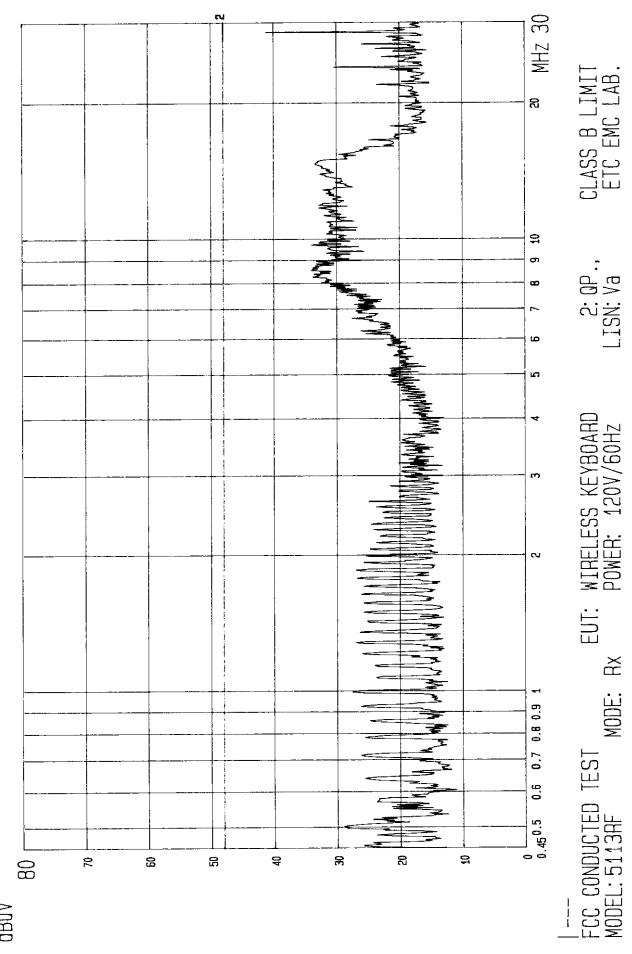
4.3 **Result Data Calculation**

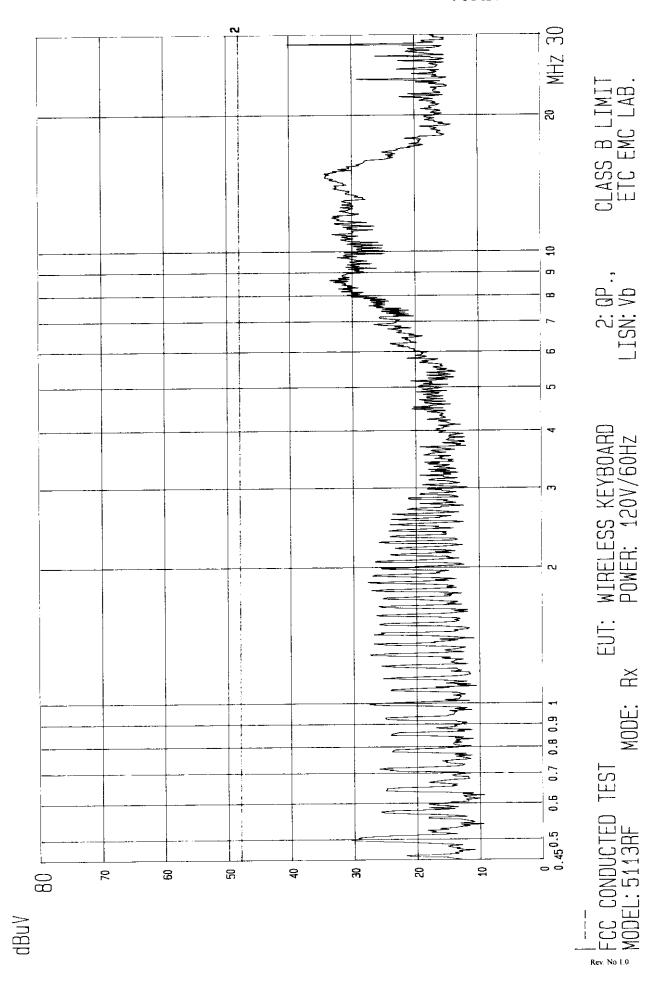
The result data is calculated by adding the LISN Factor to the measured reading. The basic equation with a sample calculation is as follows:

RESULT = READING + LISN FACTOR

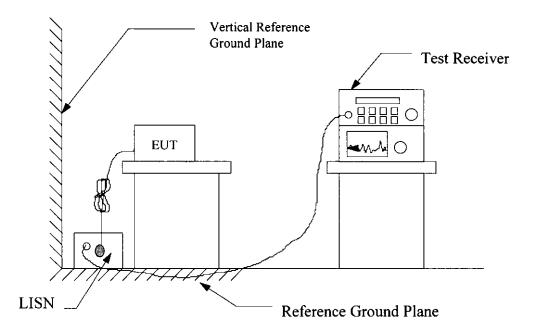
Assume a receiver reading of 22.5 dB μ V is obtained, and LISN Factor is 0.1 dB, then the total of field strength is 22.6 dB μ V.

RESULT = 22.5 + 0.1 = 22.6 dB
$$\mu$$
 V
Level in μ V = Common Antilogarithm[(22.6 dB μ V)/20]
= 13.48 μ V





4.5 Conducted Measuring Setup Diagram



4.6 Conducted Measurement Equipment

The following test equipment are used during the conducted test.

Equipment	Manufacturer	Model No.	Next Cal. Date	
RF Test Receiver	Rohde and Schwarz	ESH3	JAN. 04, 1999	
Spectrum Monitor	Rohde and Schwarz	EZM	N.C.R.	
Line Impedance	Rohde and Schwarz	ESH2-Z5	AUG. 18, 1999	
Stabilization network				
Plotter	Hewlett-Packard	7440A	N/A	
Shielded Room	Riken		N.C.R.	