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F C C - TEST REPORT

REPORT NO.: 38087/4/200F

Address 地址: Unit 602-605, 6/F., 31 Lok Yip Rd., On Lok Tsuen, Fanling, N.T., Hong Kong.

香港新界粉嶺安樂村樂業路 31 號 6 樓 602-605 室

Subsidiary 附屬公司: IECC (Guangzhou) Services Co., Ltd. 廣州時並進諮詢有限公司

Address 地址: Flat B, 7/F., Block 15-1, 100 Xian Lie Zhong Rd., Guangzhou, P.R. of China.

廣州市先烈中路 100 號 15 樓之一 7 樓 B 座

Postcode 郵政編號: 510070

Tel 電話: (852) 2305 2570

Fax 傳真: (852) 2756 4480

E-mail 電子郵件: info@iecc.com.hk

Home Page 網頁: <http://www.iecc.com.hk>

Tel 電話: (86-20) 8776 4838 E-mail 電子郵件: info@iecc.net.cn

Fax 傳真: (86-20) 8776 3918 Home Page 網頁: <http://www.iecc.net.cn>



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FCC – Test Report

Date: 2004-05-14

No. 38087/4/200F

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LABORATORY - REPORT**APPLICANT:** CHP INTERNATIONAL CO. LTD.**ADDRESS:** Unit C, 24/F, Seabright Plaza
9-23 Shell Street
North Point
HONG KONG**DATE OF SAMPLE RECEIVED:** 2004-05-07**DATE OF TESTING:** 2004-05-12**DESCRIPTION OF SAMPLE:**

Product: Portable CD Player
Model number: CD-56
Brand name: DURABRAND, LENOX SOUND, REGENT, CHP PLUS
Additional model number: CD56X, CD-57, CD-565, CD-565X, CD-6, CD-601, CD-602
(X stand for color code. Example, B = Black)
Product class: Class B Digital Devices and Peripherals
Rating: AC/DC Adaptor; Input: AC 120V 60Hz, Output: DC 4.5V or DC 3V ('AA' Size Battery x 2)

INVESTIGATIONS REQUESTED:

Measurements to the relevant clauses of F.C.C. Rules and Regulations Part 15 Subpart B – Unintentional Radiators. The results obtained are to compare with the Class B Digital Device limit.

RESULTS:

See the attached test sheets

CONCLUSIONS

From the measurement data obtained, the tested sample was considered to have COMPLIED with the requirements for the relevant clauses of Federal Communications Commission Rules as specified above.


Authorized Signature

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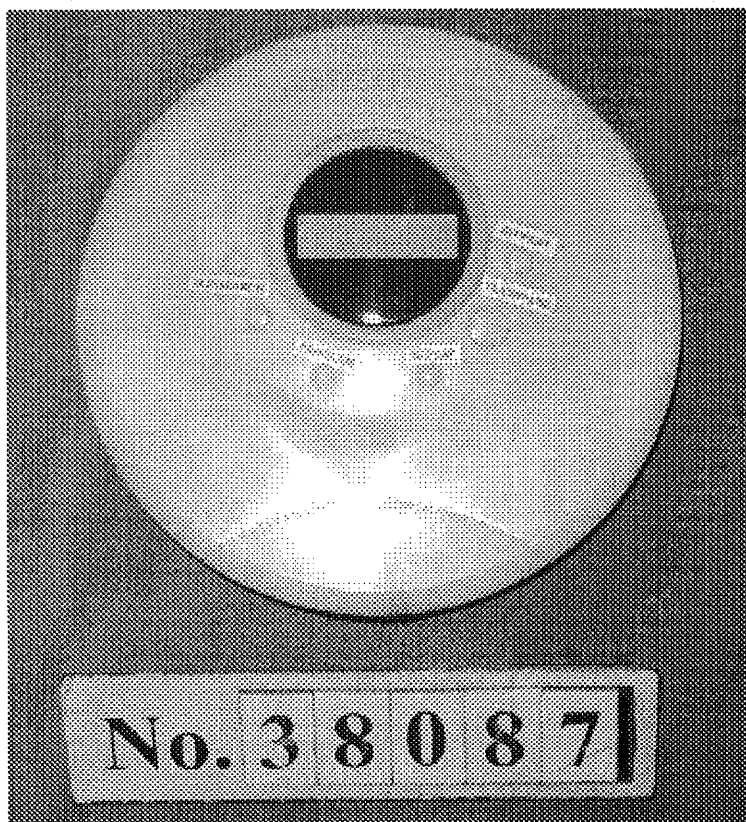
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Summary of Test Results**Interference Radiation:**

Test result: O.K.
Test data: See attached data sheet

Interference Voltage:

Test result: O.K.
Test data: See attached data sheet

PHOTOGRAPH OF THE SAMPLE



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Interference Radiation 30MHz-1000MHz

Acc: FCC Part 15 Subpart B

IECC Ref: 38087/4/200F

Model: CD-56

Applicant: CHP INTERNATIONAL CO. LTD.

Test Equipment

Receiver: ESVP Rohde & Schwarz

Antenna: Schwarzbeck BBA 9106

and UHALP 9107

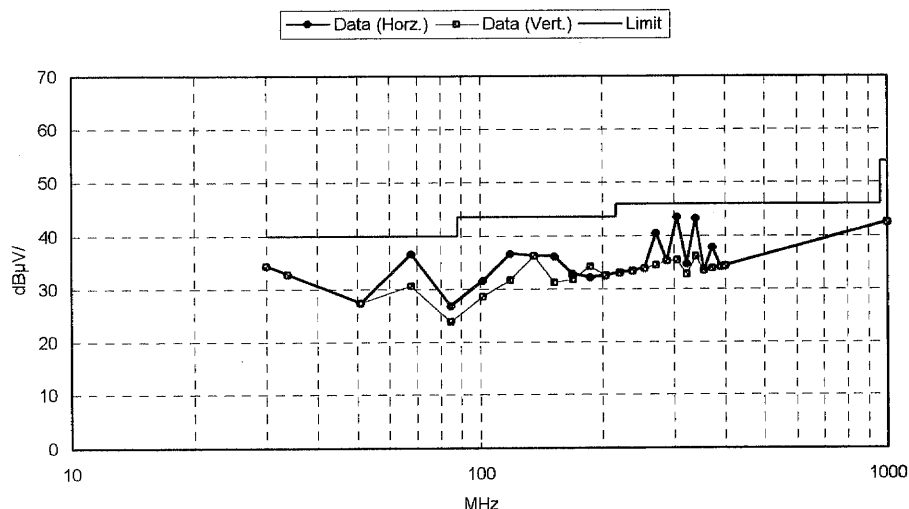
Ser.Nr.: 1

Set under test: Portable CD Player

Connected sets: -

Operating mode: CD Mode

Frequency (MHz)	Horz. Reading dB(μV)	Vert. Reading dB(μV)	Antenna Factor (dB)	Horiz. Test Result dB(μV/m)	Vert. Test Result dB(μV/m)	Limit dB(μV/m)
30	< 16	< 16	18.4	< 34.4	< 34.4	40.0
33.9	< 16	< 16	16.8	< 32.8	< 32.8	40.0
50.9	< 16	< 16	11.4	< 27.4	< 27.4	40.0
67.8	30	24	6.7	36.7	30.7	40.0
84.8	19	< 16	7.8	26.8	< 23.8	40.0
101.7	21	18	10.6	31.6	28.6	43.5
118.7	24	19	12.7	36.7	31.7	43.5
135.6	22	22	14.3	36.3	36.3	43.5
152.5	21	16	15.2	36.2	31.2	43.5
169.5	17	16	15.8	32.8	31.8	43.5
186.4	< 16	18	16.2	< 32.2	34.2	43.5
203.3	< 16	< 16	16.6	< 32.6	< 32.6	43.5
220.3	< 16	< 16	17.0	< 33.0	< 33.0	46.0
237.3	< 16	< 16	17.4	< 33.4	< 33.4	46.0
254.2	16	< 16	17.9	33.9	< 33.9	46.0
271.1	22	< 16	18.5	40.5	< 34.5	46.0
288.1	< 16	< 16	19.3	< 35.3	< 35.3	46.0
305.1	27	19	16.4	43.4	35.4	46.0
322	18	< 16	16.7	34.7	< 32.7	46.0
339	26	19	17.1	43.1	36.1	46.0
355.9	16	< 16	17.5	33.5	< 33.5	46.0
372.9	20	< 16	17.8	37.8	< 33.8	46.0
389.8	< 16	< 16	18.1	< 34.1	< 34.1	46.0
400	< 16	< 16	18.3	< 34.3	< 34.3	46.0
1000	< 16	< 16	26.5	< 42.5	< 42.5	54.0



Test result:

☒ O.K.
☐ Not O.K.

Date:

12 MAY 2004

Operator:

Address 地址: Unit 602-605, 6/F., 31 Lok Yip Rd., On Lok Tsuen, Fanling, N.T., Hong Kong.

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FCC – Test ReportDate: **2004-05-14**No. **38087/4/200F**Page **5** of **7****Notes for Radiation Measurement****1. Measurement facility:**

Measurement facility located at Fanling (Hong Kong), placed on file with the FCC Pursuant to Section 2.948 of the FCC Rules.

2. Distance between the EUT and measuring antenna:

3 meters.

3. Measuring instrumentations:

Rohde & Schwarz ESVP Test Receiver (20 - 1300 MHz) with a CISPR weighting QP detector, 6 dB bandwidth set at 120 KHz.

4. Measuring antenna:

Broad-band antenna for the frequency range 30 - 300 MHz and frequency range 300 - 1000 MHz, connected with 10 meters coaxial cable. Cable loss of the coaxial cable included in the Antenna Factor for measurement data. The antennas are capable of measuring both horizontal and vertical polarizations.

5. Frequency range scanned:

The frequency range 30 - 1000 MHz has been scanned. Readings of the highest emissions relating to the limit were reported as above.

6. Arrangement of EUT:

During the test, the sample was operated at rated supply voltage and arranged for maximum emissions. To find the maximum emission, the antenna was raised from 1 to 4 meters and was stopped at the maximum emission point.

7. Measuring Procedure:

In accordance with the relevant sections of the American National Standards Institute (ANSI) C63.4-1992 'Methods of Measurement of Radio Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9KHz to 40GHz'.



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Interf. Voltage 150 KHz - 30 MHz

Acc: FCC Part 15 Subpart B

IECC Ref: 38087/4/200F
 Model: CD-56
 Applicant: CHP INTERNATIONAL CO. LTD.

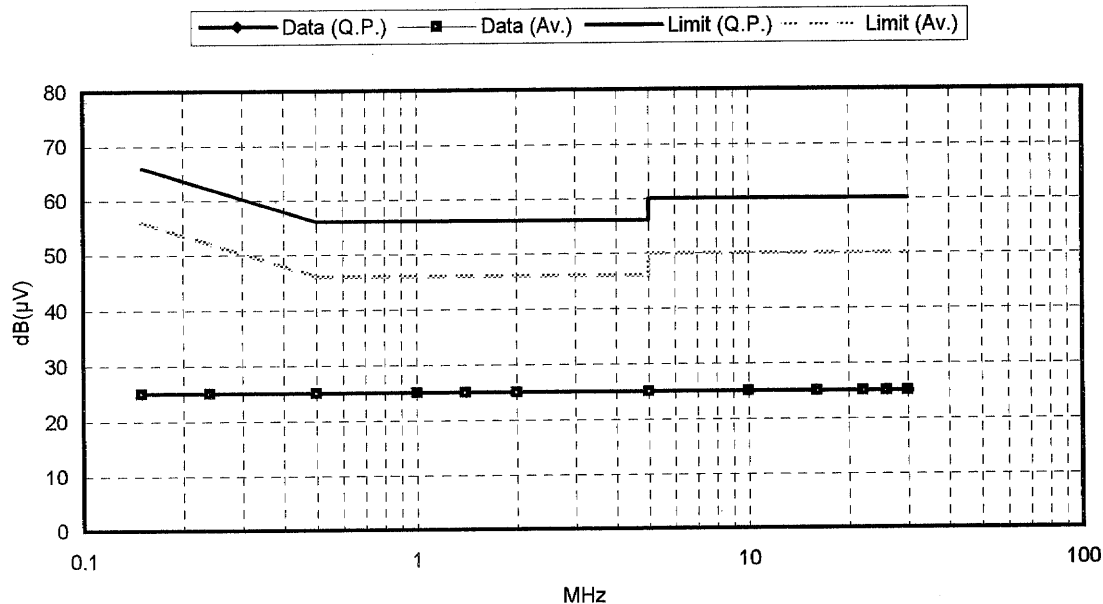
Test Equipment

Receiver: Rohde & Schwarz ESH 3

Schwarzbeck NNLA 8119

Ser.Nr.: 1
 Set under test: Portable CD Player
 Connected sets: -
 Operating mode: CD Mode

Frequency (MHz)	Test Result (Quasi-Peak) dB(μV)	Test Result (Average) dB(μV)	Limit (Quasi-Peak) dB(μV)	Limit (Average) dB(μV)
0.15	< 25	< 25	66	56
0.24	< 25	< 25	63	53
0.5	< 25	< 25	56	46
1	< 25	< 25	56	46
1.4	< 25	< 25	56	46
2	< 25	< 25	56	46
5	< 25	< 25	56	46
10	< 25	< 25	60	50
16	< 25	< 25	60	50
22	< 25	< 25	60	50
26	< 25	< 25	60	50
30	< 25	< 25	60	50



Test result:

☒ O.K.
☐ Not O.K.

Date: 12 MAY 2004

Operator:

Address 地址: Unit 602-605, 6/F., 31 Lok Yip Rd., On Lok Tsuen, Fanling, N.T., Hong Kong.

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Notes for Voltage Measurement

1. LISN (Line Impedance Stabilization Network) used:50 μ H LISN in accordance with Section 4 of ANSI C63.4-1992.**2. Measuring instrumentations:**

Rohde & Schwarz ESH3 Test Receiver (9 KHz - 30 MHz) with a CISPR weighting QP detector, 6 dB bandwidth set at 10 KHz.

3. Frequency range scanned:

The frequency range 150 KHz - 30 MHz has been scanned. Readings of the highest emissions relating to the limit were reported as above.

4. Setup of EUT:

Connection of equipment and operation conditions are the same as those in the Radiation measurement.

5. Measuring Procedure:

In accordance with the relevant sections of the American National Standards Institute (ANSI) C63.4-1992 'Methods of Measurement of Radio Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9KHz to 40GHz'