



The Hong Kong Standards and Testing Centre Ltd.

TEST REPORT

Page 1 of 4

Date: 1998-07-15
No.: WM1253/504

APPLICANT: (CODE : 000474)

GPE INTERNATIONAL LTD.
6/F, GOLD PEAK BLDG., 30-34 KWAI WING ROAD, KWAI CHUNG, N.T., HONG KONG.

DATE OF SAMPLES RECEIVED: 1998.07.08

DATE OF TESTING: 1998.07.14

DESCRIPTION OF SAMPLE(S):

A sample of product said to be:

Product: Car Radio Cassette
Manufacturer: GPE INTERNATIONAL LTD.
Band Combination: AM/FM/WEATHER BAND
Model Number: M9850
Brand Name: MAGNADYNE
Rating: DC 12V
Origin: China
Additional model : M9860, M9800, M9800H

INVESTIGATIONS REQUESTED:

Measurement to the relevant clauses of F.C.C. Rules and Regulations Part 15 Subpart C - Radio Receiver.

RESULT/ REMARK: Please see attached sheet(s).

CONCLUSION:

From the measurement data obtained, the tested sample was considered to have COMPLIED with the requirement for the relevant clauses of Federal Communication Commission Rules for Radio Receivers.

TEST EQUIPMENT AUDIT: Please see Appendix A

Testing Engineer

Verify by

Patrick Wong
for Managing Director

Conditions in issuance of Test Report
1. This Report is issued in confidence to the client and it will be strictly treated as such by the Hong Kong Standards and Testing Centre Ltd. It may not be reproduced either in its entirety or in part and it may not be used for advertising. The client to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Hong Kong Standards and Testing Centre Ltd. to his customer, supplier or other persons directly concerned. The Hong Kong Standards and Testing Centre Ltd. will not, without the consent of the client, enter into any discussion or correspondence with any third party concerning the contents of the Report. 2. The report refers only to the sample tested and does not apply to the bulk, unless the sampling has been carried out by the Hong Kong Standards and Testing Centre Ltd. and is stated as such in the Report. 3. In the event of the improper use of the report, the Hong Kong Standards and Testing Centre Ltd. reserves the rights to withdraw it, and to adopt any other remedies which may be appropriate. 4. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Hong Kong Standards and Testing Centre Ltd. 5. The Hong Kong Standards and Testing Centre Ltd. will not be liable for or accept responsibility for any loss or damage howsoever arising from the use of information contained in any of its Reports or in any communication.



The Hong Kong Standards and Testing Centre Ltd.

TEST REPORT

Page 2 of 4

Date: 1998-07-15

No.: WM1253/504

TEST SUMMARY

- (A) Measurement of Radiated Emissions
(On FM, WEATHER BAND)

Result -- Satisfactory

Data -- See the attached data

- (B) Measurement of Line-Conducted Voltage

Not applicable



The Hong Kong Standards and Testing Centre Ltd.

TEST REPORT

Page 3 of 4

Date: 1998-07-15

No.: WM1253/504

FM BAND RADIO RECEIVER

(A) Measurement of Radiated Interference

TEST REFERENCE: FCC Rules Part 15 Subpart C section 15.63(a)

TEST CONDITION : Normal

TEST DATE : 1998.07.14

Freq. to which tuned	Freq. of the emission	Polarity	Meter Reading (including Antenna Factor) at 3m	Field Strength (at 3m)	FCC Limit @
MHz	MHz		dB(μ V/m)	μ V/m	μ V/m
88.3	99.0	Horizontal	49.7	305	500
98.3	109.0	Horizontal	50.3	327	500
108.3	119.0	Horizontal	47.7	243	500

WEATHER BAND RECEIVER

(A) Measurement of Radiated Interference

TEST REFERENCE: FCC Rules Part 15 Subpart C section 15.63(a)

TEST CONDITION : WEATHER BAND RECEIVER

TEST DATE : 1998.07.14

Freq. to which tuned	Freq. of the emission	Polarity	Meter Reading (including Antenna Factor) at 3m	Field Strength (at 3m)	FCC Limit @
MHz	MHz		dB(μ V/m)	μ V/m	μ V/m
166.1	176.80	Vertical	56.1	638.26	1500

=====SUMMARY=====

All data is within limits

Broad-band Antennas were used

Remark: IF = 10.70 MHz



The Hong Kong Standards and Testing Centre Ltd.

TEST REPORT

Page 4 of 4

Date: 1998-07-15

No.: WM1253/504

NOTES FOR THE RADIATION MEASUREMENT

(1) Test site facility:

Open field test site located at Taipo (Hong Kong) with a metal ground plane on filed with the FCC pursuant to section 15.38 of the FCC rules (old rule).

(2) Distance between the EUT and measuring antenna:

3 meters.

(3) Measuring instrumentations:

CISPR Quasi-peak type field strength meter (25MHz - 1000MHz) 6 dB bandwidth set at 120KHz.

(4) Measuring antenna:

Broad band antenna for the frequency range 25 - 1000 MHz, connected with 10 meters coaxial cable. Cable loss of the coaxial cable, included in the Antenna Factor for measurement data. The antenna are capable of measuring both horizontal and vertical polarization.

(5) Frequency range scanned:

The frequency range from 25 MHz to 1000 MHz had been searched. 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.

(7) Measuring Procedure:

In accordance with the relevant sections of ANSI C63.4:1992.

(8) Measuring Uncertainty:

The calculated uncertainty for measurement performed at 3M test distance are:-
30MHz to 200MHz = $\pm 3.7\text{dB}$, 300MHz to 1000MHz = $3.0\text{dB}/-2.7\text{dB}$.

**** End of Document ****



The Hong Kong Standards and Testing Centre Ltd.

APPENDIX A

Page A1 of A1

Date:1998-07-15

No.: WM1253/504

TEST EQUIPMENT AUDIT

Radiated Emission

EQP NO.	DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	LAST CAL
EM007	SPECTRUM ANALYZER	HP	HP85660B	3144A21192	29/05/98
EM008	SPECTRUM ANALYZER DISPLAY	HP	HP85662A	3144A20514	29/05/98
EM009	QUASI PEAK ADAPTOR	HP	HP85650A	3303A01702	29/05/98
EM010	RF PRESELECTOR	HP	HP85685A	3221A01410	29/05/98
EM011	ATTENUATOR/SWITCH	HP	HP11713A	2508A10595	29/05/98
EM012	PRE-AMPLIFIER	HP	HP8449B	3008A00262	29/05/98
EM013	CONTROLLER (COMPUTER), COLOR MONITOR, KEYBOARD & MOUSE FLOPPY DRIVE	HP HP HP	HP9000 HPA1097C HP9133L	6226A60314 3151J39517 2623A02468	CM
EM017	ANTENNA	ARA INC.	LPB-2513/A	1069	31/12/97
EM072	SIGNAL GENERATOR	HP	8640B	1948A11892	30/03/98
EM083	HKSTC OPEN AREA TEST SITE	HKSTC	N/A	N/A	16/02/98

ABBREVIATIONS:

CM = Corrective Maintenance

N/A= Not Applicable

TBD=To be determine