

**MASER**

**ERTL**

**TEST REPORT**



# TEST REPORT

## ELECTRONICS REGIONAL TEST LABORATORY (WEST)

MINISTRY OF COMMUNICATIONS & INFORMATION TECHNOLOGY, DIT, (STQC Dte.)

### Government of India

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GOVERNMENT OF INDIA  
**Electronics Regional Test Laboratory (west)**  
MINISTRY OF COMMUNICATIONS & INFORMATION TECHNOLOGY,  
DEPT. OF INFORMATION TECHNOLOGY, STQC DTE.

COVER SHEET

**TEST REPORT**

REPORT No.:ERTL(W)2008 EMI 261

TITLE: TESTING OF MASER VHFO MODEL

1.1 Service Request No. and Date: 20081671 dated: 03-NOV-08

1.2 Service Requested By:  
(Name & Address)

M/s. **MASER ELECTRONICS PVT.LTD**

76,VISHAL INDUSTRIAL ESTATE,  
OPP.CEAT TYRES,  
BHANDUP (W),  
MUMBAI-400078



Report Released By  
**JLN MURTY/JAYANT KATHE**  
Customer Service Cell



### TEST REPORT

<b>TITLE: TESTING OF MASER VHFO MODEL</b>	<b>DATE OF ISSUE</b> 18-12-2008
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1.1 Service request no and Date	<b>As per cover sheet</b>
1.2 Name and address of Customer :	<b>As per cover sheet</b>

1.3	Description & Identification of Test item(s)	Nomenclature : Make : Model/Type : Sl. No. : Quantity:	MASER VHFO MODEL MASER ELECTRONICS PVT. Ltd. ----- ERTL-TEST-01 ONE
1.4	Item(s) condition on receipt: OK	Received Date 11-11-2008	Test Completed Date : 12-12-2008
1.5	Testing performed at :	ERTL(W)	
1.6	Test Specification / Test Procedure used	<b>Customer's specification</b>	

1.7	Major Equipments used and Traceability Details:		
Sl. No.	Equipment Used		
1.7.1	Sound pressure level meter Model No. LP814		

1.8	Contents of the report	Test Data	5 pages
		Annexes	Nil





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### 2.0 EQUIPMENT UNDER TEST (EUT)

#### **Brief Description :**

Maser ultrasonic pest repellers-VHFO model is an electronic transmitter of high frequency sound waves ( well above the twenty kHz frequency which is the upper limits of the hearing range of the human ear.) they emit intensive sound at high decibel levels ( sound pressure ) that is audible and painful to pests, but is inaudible and harmless to humans. The pests usually leave the area being protected by ultra sound.

### 2.1 Operating modes during immunity testing

- **Line Voltage**                    230V / 1 Phase / 3" Wire
  - **Line Frequency**                50 Hz
  - **Length of mains**                Less than 1 m
  - **Mains Cable Type**              Unshielded Type
  - **EUT settings**                    Keep EUT in on condition at 1 meter distance
- 
- **Parameters to be observed during the tests**                    Observed sound pressure level to be recorded.



RELEASED BY



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#### 3.0 APPLICABLE TEST AND SUMMARY

NO.	Port / Test Description	Test Conditions / Requirements	Performed	Observations	Results
3.2	<b>POWER SUPPLY AC PORT</b>				
3.2.1	Sound pressure level	Observed sound pressure level at one meter distance	Y	As per Sr. No. 4.1	-----

P : Passed (Meets requirements)  
F : Failed (Does not meet requirement)  
Y : Yes  
NA : Limits of performance not applicable  
UC : Uncontrolled  
----- : No Pass / Fail Decision  
QSF 5.10.02, dated 01/7/2008





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#### 4.1 SOUND PRESURE Test Rationale :

To check the sound pressure level at specified distance.

EUT in normal operating condition as per Sr.No. 2.2.

#### A Test procedure :

Sr. No.	TEST PARAMETER	TEST CONDITION	TEST REQUIREMENT	TEST OBSERVATION	RESULT
01	SOUND PRESSURE LEVEL	Keep EUT in ON condition at a distance of one meter	Observed sound pressure level shall be recorded	Observed sound pressure level =75 dBA ( at one meter distance) Ambient sound pressure level = 43 dBA.	-----

P : Passed (Meets requirements)  
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NA : Limits of performance not applicable  
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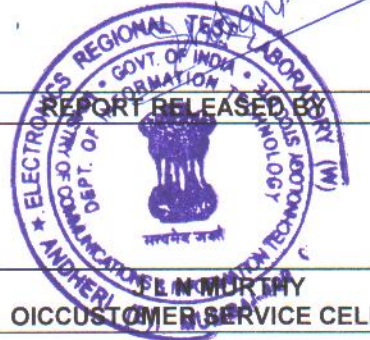
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5.0 General Remarks : NIL

REPORT APPROVED BY

VK DHAR / P.K.DUTTA  
OIC/HEAD, EMC



PL N M M R T M Y  
OIC CUSTOMER SERVICE CELL