

Test Report: 1W03972.1

Applicant: Paradox Security Systems
780 Industrial Blvd.
St-Eustache, Quebec
J7R 5V3

**Equipment Under Test:
(EUT)** OMN-RCV3
Receiver

In Accordance With: **FCC Part 15, Subpart B, 15.109**

Tested By: Nemko Canada Inc.
3325 River Road, R.R. 5
Ottawa, Ontario K1V 1H2

Authorized By:

R. Grant, Wireless Group Manager

Date:

Total Number of Pages: 10

Table Of Contents

Section 1. Summary of Test Results..... 3

Section 2. General Equipment Specification 5

Section 3. Radiated Emissions..... 6

Section 4. Block Diagrams..... 9

Section 5. Test Equipment List 10

EQUIPMENT: OMN-RCV3

Section 1. Summary of Test Results

General

All measurements are traceable to national standards.

These tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with FCC Part 15, Subpart B. Measurement procedure ANSI C63.4-1992 was used for all tests. Radiated Emissions were measured on an open area test site. A description of the test facility is on file with the FCC.

THIS TEST REPORT RELATES ONLY TO THE ITEM(S) TESTED.

THE FOLLOWING DEVIATIONS FROM, ADDITIONS TO, OR EXCLUSIONS FROM THE TEST SPECIFICATIONS HAVE BEEN MADE.

See " Summary of Test Data".



NVLAP LAB CODE: 100351-0

Test Performed By: _____
Wayne Clarke, Wireless Technologist

Date: _____

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This report applies only to the items tested.

EQUIPMENT: OMN-RCV3

Summary Of Test Data

Name Of Test	Para. No.	Results
Antenna Conducted Emissions	15.111	N/A
Radiated Emissions	15.109	Complies
Powerline Conducted Emissions	15.107	N/A

Note: This equipment does not interface the public utility network.

Test Conditions:

Indoor Temperature: 23 °C
 Humidity: 46 %

Outdoor Temperature: 25 °C
 Humidity: 51 %

Section 2. General Equipment Specification

Manufacturer: Paradox Security Systems

Model No.: OMN-RCV3

Date Received In Laboratory: July 6, 2001

Nemko Identification No.: Item #6

Rx 433.92MHz

Superheterodyne

10.7MHz IF

Lo 423.22MHz

EQUIPMENT: OMN-RCV3

Section 3. Radiated Emissions

Para. No.: 15.109(a)

Test Performed By: Wayne Clarke	Date of Test: August 14, 2001
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Minimum Standard:

Frequency(MHz)	Field Strength (dBµV/m @ 3m)
30 - 88	40.0
88 - 216	43.5
216 - 960	46.0
Above 960	54.0

Test Results: Complies.

Measurement Data: See attached table.

EQUIPMENT: OMN-RCV3

Test Data – Radiated Emissions

Test Distance (meters) : 3		Range: A Tower		Receiver: Other		RBW(kHz): 120		Detector: Q-Peak	
Freq. (MHz)	Ant. *	Pol. (V/H)	RCVD Signal (dB μ V/m)	Ant. Factor (dB)**	Amp. Gain (dB)***	Dist. Corr. (dB)	Field Strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
47.999	B/C1	V	16.1	11.6			27.7	40.0	12.3
47.999	B/C1	H	17.0	11.6			28.6	40.0	11.4
564.29	L/P2	V	7.7	23.0			30.7	46.0	15.3
564.29	L/P2	H	7.7	23.0			30.7	46.0	15.3
423.22	L/P2	V	10.3	19.8			30.1	46.0	15.9
423.22	L/P2	H	7.9	19.8			27.7	46.0	18.3
Notes: B/C = Biconical, B/L = Biconilog, L/P = Log-Periodic, H = Horn, D/P = Dipole * Re-measured using dipole antenna. ** Includes cable loss when amplifier is not used. *** Includes cable loss. () Denotes failing emission level. N.D. = Not Detected									

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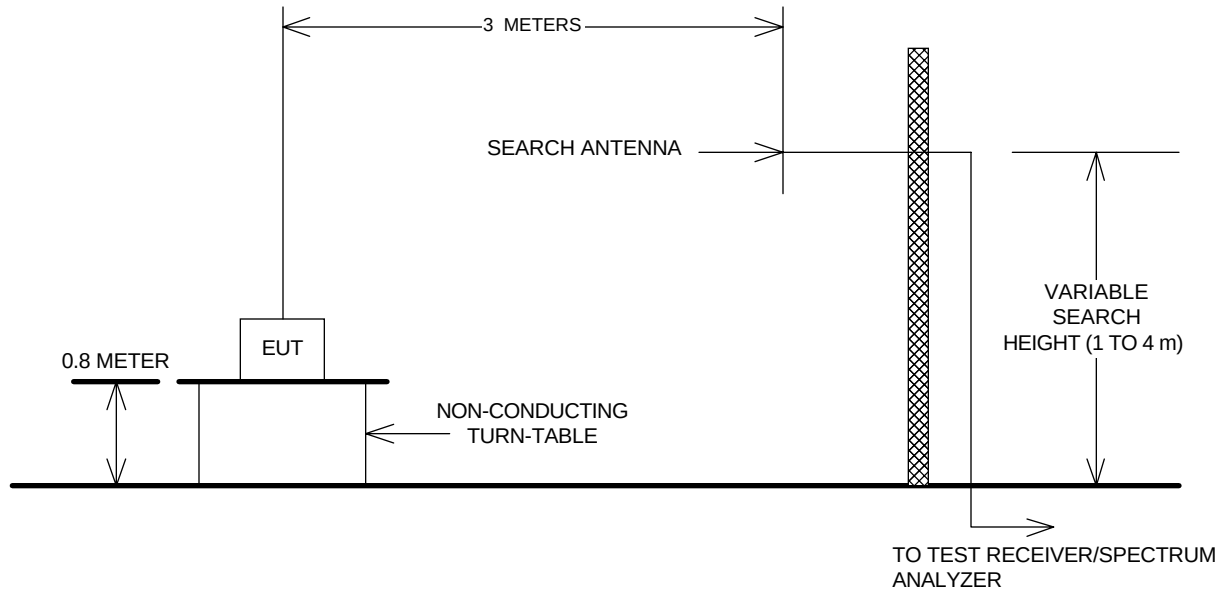
Radiated Emissions Photograph

Front View:



Section 4. Block Diagrams

Outdoor Test Site For Radiated Emissions



EQUIPMENT: OMN-RCV3

Section 5. Test Equipment List

CAL CYCLE	EQUIPMENT	MANUFACTURER	MODEL	SERIAL	LAST CAL.	NEXT CAL.
1 Year	Spectrum Analyzer	Hewlett Packard	8565E	FA000981	June 08/01	June 08/02
1 Year	Receiver	Rohde & Schwarz	ESVP	892661/014	April 5/01	April 5/02
1 Year	Horn Antenna	EMCO #2	3115	4336	Dec. 1/00	Dec. 1/01
1 Year	Log Periodic Antenna 1	EMCO	LPA-25	1141	Aug. 3/00	Aug. 3/01
1 Year	Biconical (1) Antenna	EMCO	3109	9204-2708	Aug. 10/00	Aug. 10/01

NA: Not Applicable

NCR: No Cal Required

COU: CAL On Use