



Nemko

Test Report: 2W06127, Issue II

Applicant: Swissphone Telecom AG
Roosstrasse 53
CH-8832 Wollerau, Switzerland

**Equipment Under Test:
(EUT)** DV500 Hurricane Receiver
146-174MHz, 450-470MHz Bands

FCC ID: L3M866

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

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

Authorized By: 
Kevin Carr, EMC Specialist

Date: 2 December 2002

Total Number of Pages: 9

Table Of Contents

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

Section 2. General Equipment Specification5

Section 3. Radiated Emissions.....6

Section 4. Block Diagrams.....8

Section 5. Test Equipment List9

EQUIPMENT: DV500 Hurricane Receiver

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".



TESTED BY: _____

Glen Westwell, Wireless Technologist

DATE: 2 December 2002

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This report applies only to the items tested.

EQUIPMENT: DV500 Hurricane Receiver

Summary Of Test Data

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

Note.

(1)All receiver units are identical from an RF standpoint. There are two receive frequency bands:
146-174MHz & 450-470MHz.

Test Conditions:**Indoor**

Temperature: 22°C

Humidity: 40%

Outdoor

Temperature: 24°C

Humidity: 42%

EQUIPMENT: DV500 Hurricane Receiver

Section 2. General Equipment Specification

Manufacturer:	Swissphone Telecom AG
Model No.:	DV500
Serial No.:	C200228.05867 (155MHz) C200228.05866 (146MHz) C200229.01421 (470MHz)
Date Received In Laboratory:	1 Aug 2002, & 25 Nov 2002
Nemko Identification No.:	#8, 11 & 12
Receive Frequency:	146.05-174.05MHz & 450.05-470.05MHz
Receive L.O.:	same as receive frequency

EQUIPMENT: DV500 Hurricane Receiver

Section 3. Radiated Emissions**Para. No.: 15.109(a)****Test Performed By:** Glen Westwell**Date of Test:** 6 Aug 2002
2 Dec 2002**Minimum Standard:**

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

Test Results: Complies**Measurement Data:** Top, Mid & Bottom bands were searched.

The EUT(s) were searched on three orthogonal axis with a fresh battery.

The receivers were cohered using a CW source at the receive frequency.

No Emissions were detected.

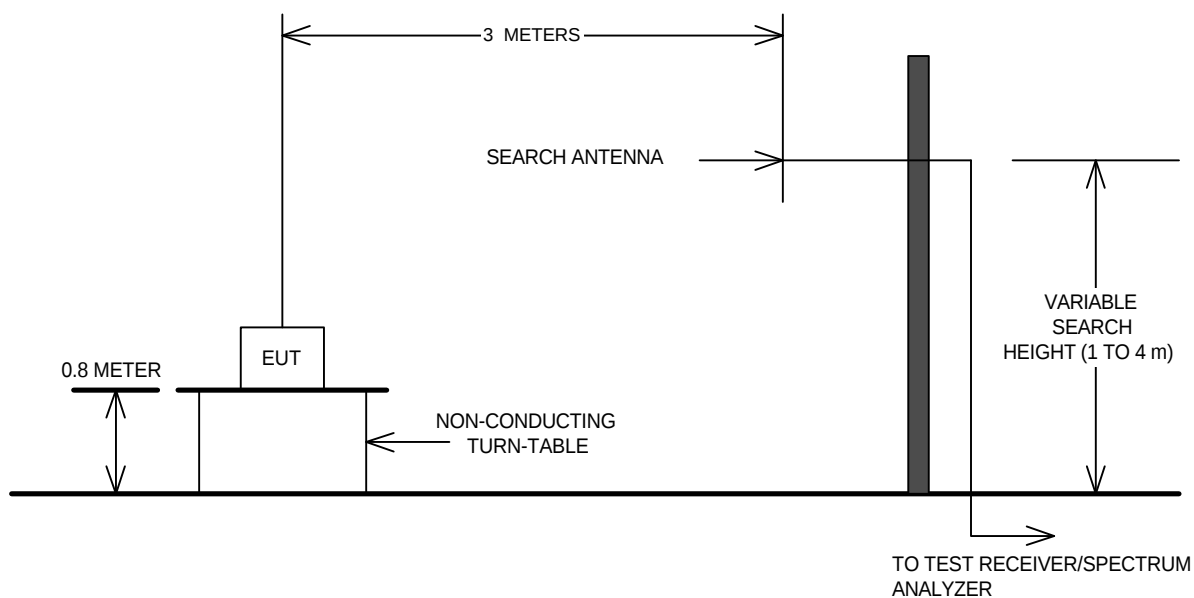
EQUIPMENT: DV500 Hurricane Receiver

DV500 Receiver(s)



Section 4. Block Diagrams

Outdoor Test Site For Radiated Emissions



EQUIPMENT: DV500 Hurricane Receiver

Section 5. Test Equipment List

CAL CYCLE	EQUIPMENT	MANUFACTURER	MODEL	SERIAL	LAST CAL.	NEXT CAL.
1 Year	Spectrum Analyzer-1	Hewlett Packard	8566B	2311A02238	27 Nov 2001	27 Nov 2002
1 Year	Spectrum Analyzer Display-1	Hewlett Packard	8566B	2314A04759	27 Nov 2001	27 Nov 2002
1 Year	Quasi-peak adapter-1	Hewlett-Packard	85650A	2043A00302	27 Nov 2001	27 Nov 2002
1 Year	Receiver	Rohde & Schwarz	ESVP	FA000871	19 Sep 2001	19 Sep 2002
1 Year	Log Periodic Antenna 1	EMCO	LPA-25	1141	Aug. 28/01	Aug. 28/02
1Year	Dipole Antenna Set	EMCO #2	3121C	FA001349	6 May 2002	6 May 2003
1 Year	RF Amplifier	Miteq	100-500MHz	FA001494	COU	COU