



Nemko

Test Report: 2W06126, Issue II

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

**Equipment Under Test:
(EUT)** DE516C & DE506 Receiver(s)
138-174MHz, 430-470MHz Bands

FCC ID: L3M859

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: DE516C & DE506 FS 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

Nemko Canada Inc., a testing laboratory, is accredited by the Standards Council of Canada. The tests included in this report are within the scope of this accreditation. The results apply only to the samples tested.

Nemko Canada Inc. authorizes the above named company to reproduce this report provided it is reproduced in its entirety and for use by the company's employees only.

Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. Nemko Canada Inc. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

This report applies only to the items tested.

EQUIPMENT: DE516C & DE506 FS 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:
138-174MHz & 430-470MHz.

Test Conditions:

Indoor Temperature: 22°C
 Humidity: 40%

Outdoor Temperature: 24°C
 Humidity: 42%

EQUIPMENT: DE516C & DE506 FS Receiver

Section 2. General Equipment Specification

Manufacturer: Swissphone Telecom AG

Model No.: DE516C, DE506

Serial No.:	C200228.05797 (430MHz)
	C200228.05934 (450MHz)
	C200228.05799 (470MHz)
	C200228.05923 (138MHz)
	C200228.05927 (155MHz)
	C200228.05930 (174MHz)

Date Received In Laboratory: 1 Aug 2002

Nemko Identification No.: #24

Receive Frequency: 138.05-174.05MHz & 430.05-470.05MHz

Receive L.O.: same as receive frequency

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

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

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

The receiver(s) were cohered using a CW source at the receive frequency.

No Emissions were detected.

EQUIPMENT: DE516C & DE506 FS Receiver

DE516C Receiver

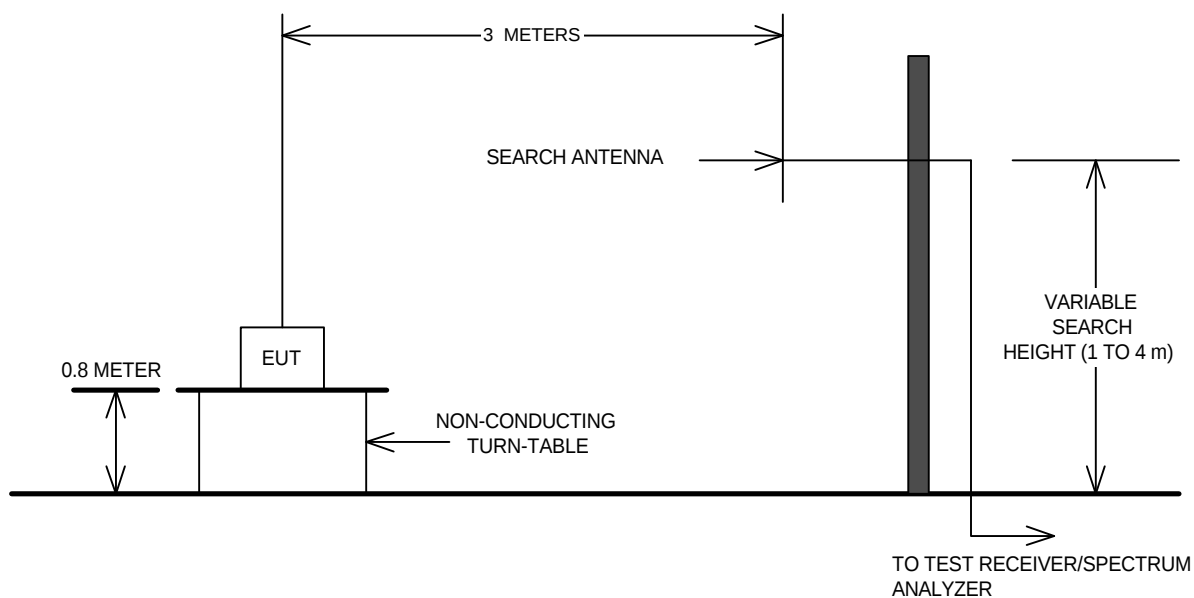


DEC506 Receiver



Section 4. Block Diagrams

Outdoor Test Site For Radiated Emissions



EQUIPMENT: DE516C & DE506 FS 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 May 2003
1 Year	Spectrum Analyzer Display-1	Hewlett Packard	8566B	2314A04759	27 Nov 2001	27 May 2003
1 Year	Quasi-peak adapter-1	Hewlett-Packard	85650A	2043A00302	27 Nov 2001	27 May 2003
1 Year	Receiver	Rohde & Schwarz	ESVP	FA000871	15 Nov 2002	15 Nov 2003
1 Year	Log Periodic Antenna 1	EMCO	LPA-25	1141	23 Aug. 2002	23 Aug 2003
1Year	Dipole Antenna Set	EMCO #2	3121C	FA001349	6 May 2002	6 May 2003
1 Year	RF Amplifier	Miteq	100-500MHz	FA001494	COU	COU