



FCC Test Setup Photographs
for
47CFR15, Subpart B for Unintentional Radiators, per Section 101
Equipment authorization of unintentional radiators,
and
47CFR15, Subpart C for Intentional Radiators, per Section 247
Operation within the bands 902 to 928 MHz

on
Telco Gateway
[FCC ID: OWS - 919]

model
Telco Gateway with Bandpass Filter

report number
20050602-03-F15

manufacturer
Silver Spring Networks, Inc.
13000 West Silver Spring Drive
Butler, WI 53007

judgement
Complies as tested

tests and report by
ITC Engineering Services, Inc. (ITC)
9959 Calaveras Road, P.O. Box 543
Sunol, California 94586
Tel.: (925) 862-2944
Fax: (925) 862-9013
E-Mail: docs@itcemc.com
Web Site: www.itcemc.com



Lab Code: 200172-0

EN45001 Accredited Compliance Laboratory (RES-GmbH)
Registration number: TTI-P-G 159/98-00 (RES-GmbH)

Table of Contents

PART 1 General..... 3
 Section 1.1 Test Information..... 3
 General Information..... 3
PART 2 Test Setup photographs..... 4

List of Figures

Figure 1: Radiated Emissions Test Setup (Below 1 GHz) Front View 4
 Figure 2 Radiated Emissions Test Setup (Below 1 GHz) Rear View..... 4
 Figure 3: Radiated Emissions Test Setup at 10 meters (Above 1 GHz) Front View..... 5
 Figure 4: Radiated Emissions Test Setup at 10 meters (Above 1 GHz) Rear View..... 5
 Figure 5 Test Setup Photo – Front View 6
 Figure 6 Test Setup Photo (Rear View)..... 6
 Figure 7: Power Spectral Density Test Setup (Front view) 7
 Figure 8: Power Spectral density Test Setup (Rear View) 7
 Figure 9: Spurious Emissions Front View (Below 1 GHz) 8
 Figure 10: Spurious Emissions Rear View (Below 1 GHz) 8
 Figure 11: Spurious Emissions Front View (Above 1 GHz) 9
 Figure 12: Spurious Emissions Rear View (Above 1 GHz) 9

PART 1 General

SECTION 1.1 TEST INFORMATION

GENERAL INFORMATION

Product Type Model	Telco Gateway Telco Gateway with Bandpass filter	
Manufacturer's Name	Silver Spring Networks Inc.	
Manufacturer's Address	13000 West Silver Springs Drive Butler, WI 53007 United States	
Contact	Tel: +1 (262) 364-5317 Juan Luglio, PhD	Fax: +1 (262) 783-0200 email : juan.luglio@silverspringnetworks.com
Test Laboratory	ITC Engineering Services, Inc. 9959 Calaveras Road, PO Box 543 Sunol, CA 94586-0543 Email: docs@itcemc.com Web Site: http://www.itcemc.com	Tel: +1(925) 862-2944 Fax: +1(925) 862-9013
Test Number and Report Numbers	20050602-03	20050602-03
Test Date(s) & Issue Date	June 09 –June 22,2005	June 22, 2005
Test Engineer(s)	Femi Ojo and Robert Kershaw	
Chief Engineer	Michael Gbadebo, P.E	
Documentation	George Brown.	
Test Results	<input checked="" type="checkbox"/> Complies as Tested	<input type="checkbox"/> Fail

PART 2 Test Setup photographs

Radiated Emissions Test Setup Photographs



Figure 1: Radiated Emissions Test Setup (Below 1 GHz) Front View



Figure 2 Radiated Emissions Test Setup (Below 1 GHz) Rear View



Figure 3: Radiated Emissions Test Setup at 10 meters (Above 1 GHz) Front View



Figure 4: Radiated Emissions Test Setup at 10 meters (Above 1 GHz) Rear View

RF Conducted Measurements Setup Photographs



Figure 5 Test Setup Photo – Front View

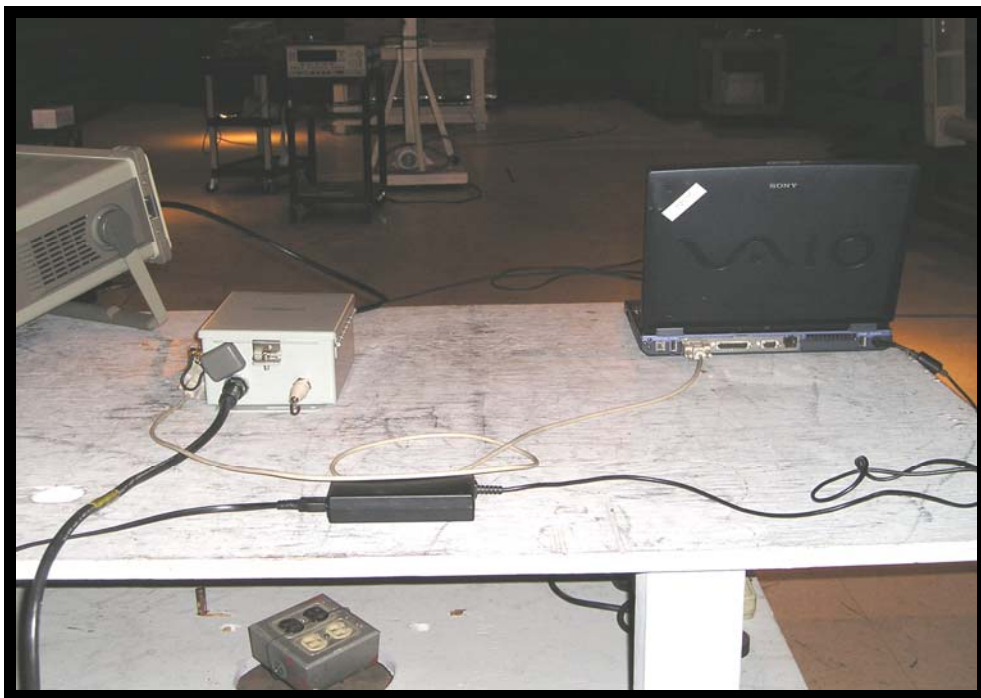


Figure 6 Test Setup Photo (Rear View)

RF Radiated Measurements



Figure 7: Power Spectral Density Test Setup (Front view)



Figure 8: Power Spectral density Test Setup (Rear View)



Figure 9: Spurious Emissions Front View (Below 1 GHz)



Figure 10: Spurious Emissions Rear View (Below 1 GHz)

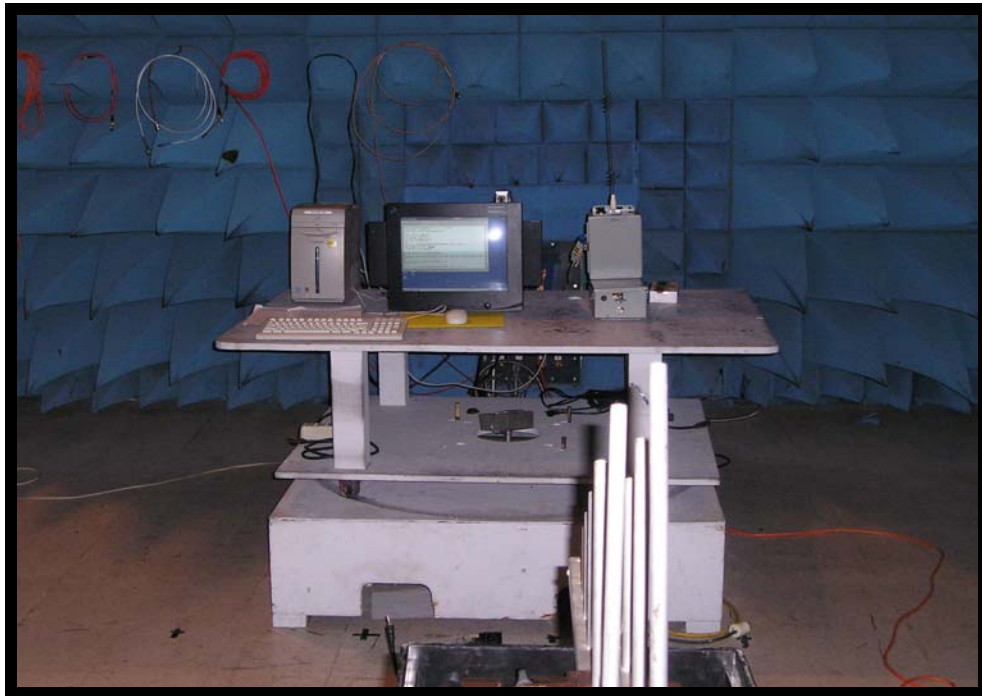


Figure 11: Spurious Emissions Front View (Above 1 GHz)



Figure 12: Spurious Emissions Rear View (Above 1 GHz)