



**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
RELAY
[FCC ID: OWS - 901]

models
**Relay with bandpass filter
Relay without bandpass filter**

report number
20050629-01-F15

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

judgement
Complies

tests and report by
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Lab Code: 200172-0

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

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PART 1 General Information.

Product Type Model	Relay Relay with bandpass filter Relay without bandpass filter	
Manufacturer's Name Manufacturer's Address Contact	Silver Spring Networks Inc. 13000 West Silver Springs Drive Butler, WI 53007 United States Tel: +1 (262) 364-5317 Juan Luglio, PhD	Fax: +1 (262) 783-0200 email : juan.luglio@silverspringnetworks.com
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Test Number and Report Numbers	20050629 – 01	20050629 – 01 – F15
Test Date(s) & Issue Date	July 08 – July 12, 2005	July 19, 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

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Product: Relay
Models: Relay with Bandpass Filter
Relay without Bandpass Filter

PART 2 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

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Product: Relay
Models: Relay with Bandpass Filter
Relay without Bandpass Filter

FCC ID: OWS-901

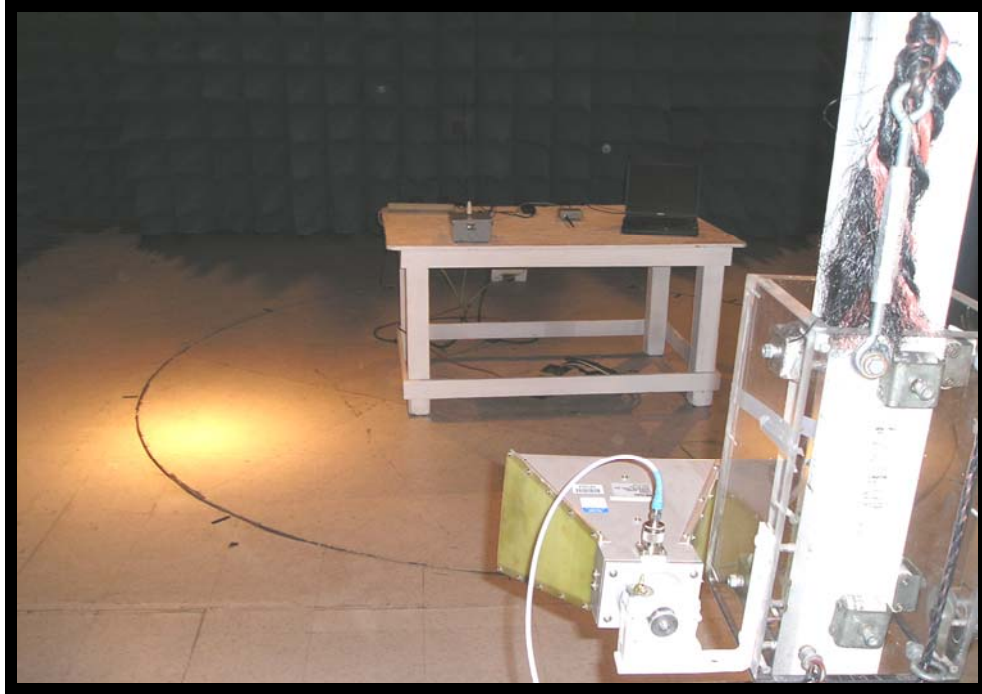


Figure 3: Radiated Emissions Test Setup at 10 meters (Above 1 GHz) Front View



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

RF Conducted Measurements

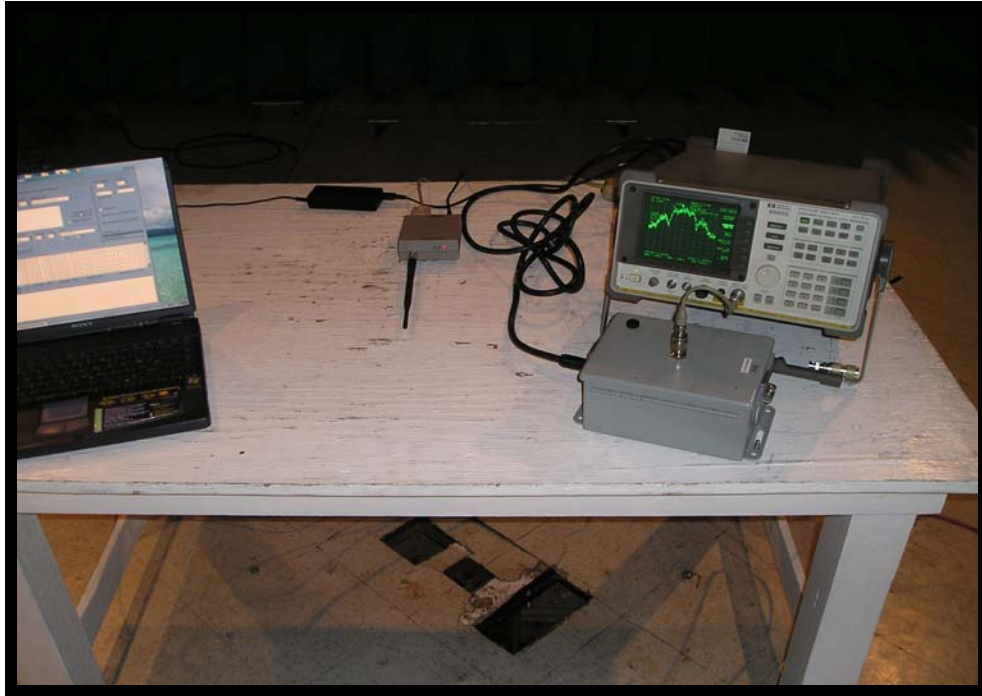


Figure 5 Test Set Up Photo – Front View

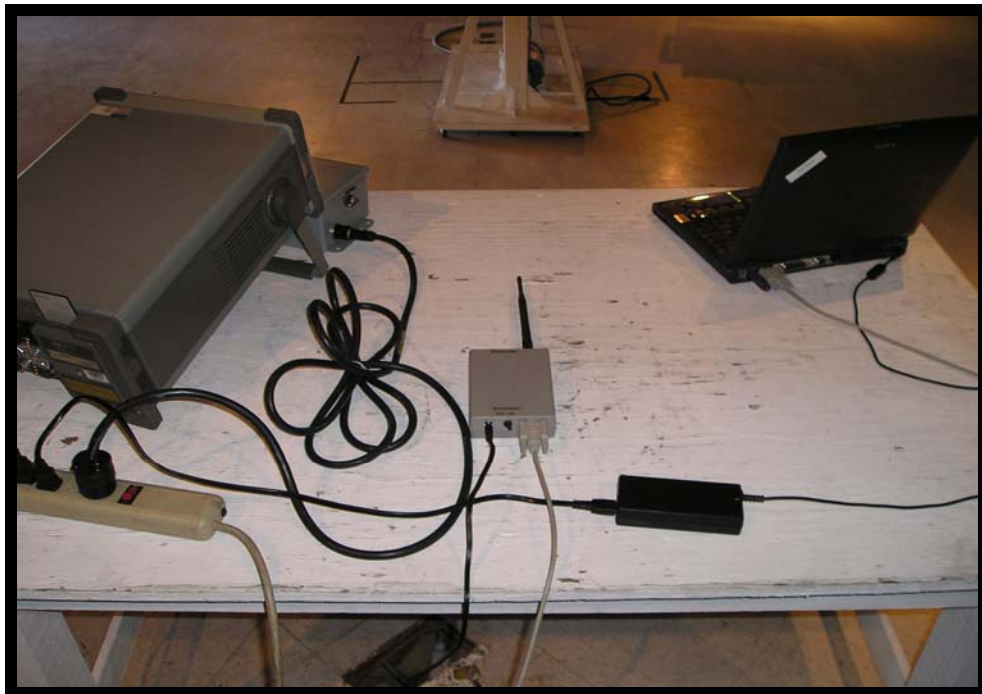


Figure 6 Test Set Up Photo – Rear View.



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

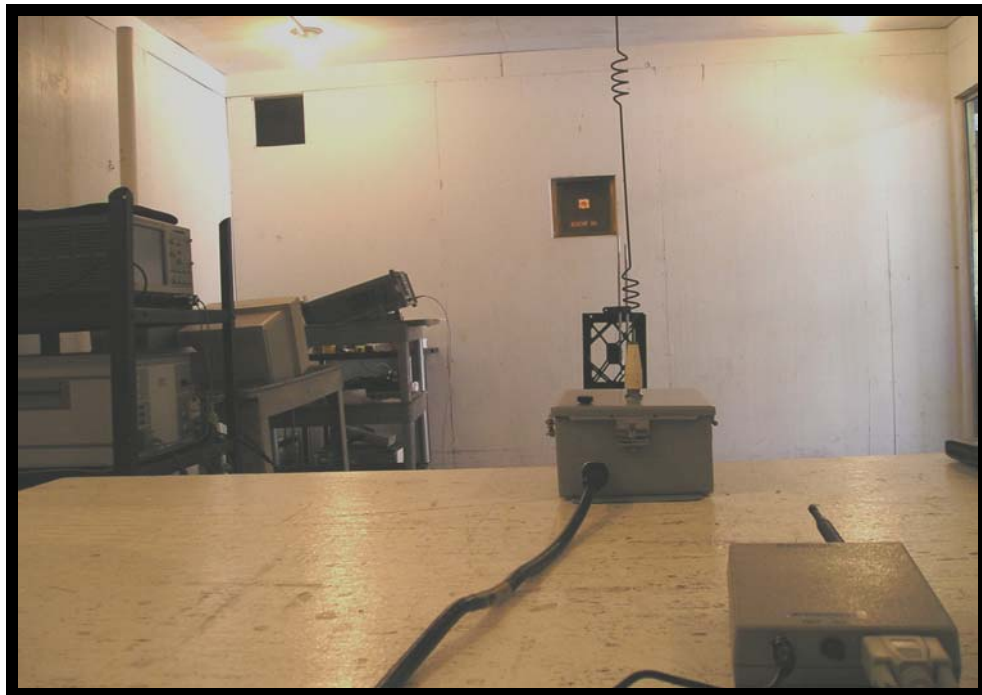


Figure 8: Power Spectral density Test Setup (Rear View)



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



Figure 10 Spurious Emissions Test Setup (Below 1 GHz) Rear View

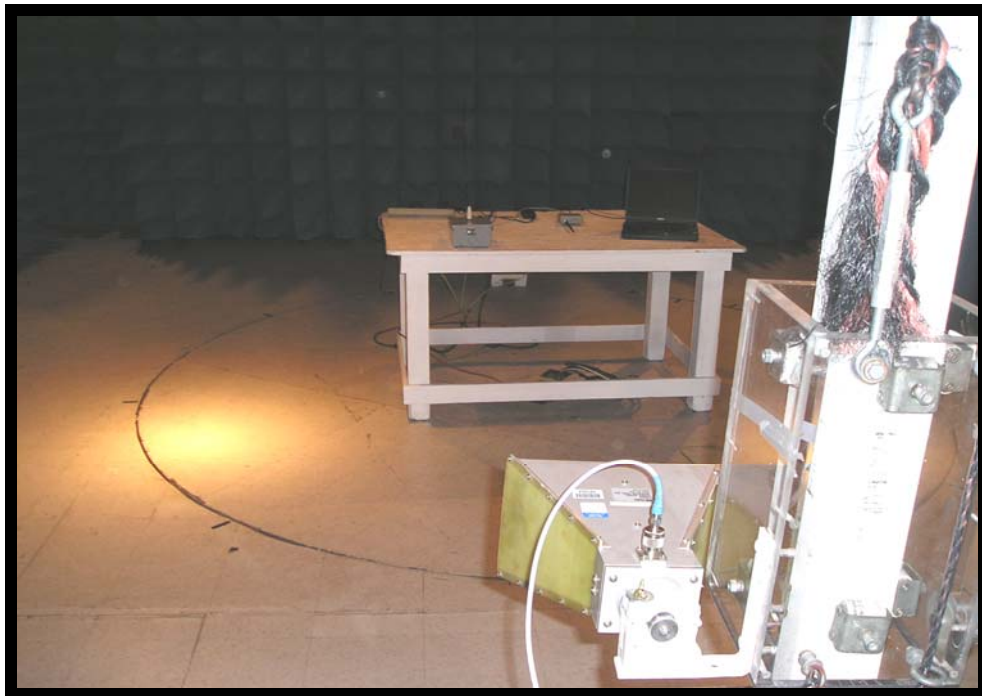


Figure 11: Spurious Emissions Test Setup (Above 1 GHz) Front View



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



Figure 13: Power Line Conducted Maximized Emissions Test Setup (Front View)



Figure 14: Power Line Conducted Maximized Emissions Test Setup (Rear View)