



**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  
**CDMA Gateway**  
[FCC ID: OWS - 918]

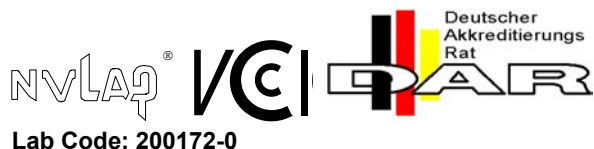
models  
**CDMA Gateway without Bandpass Filter**  
**CDMA Gateway with Bandpass Filter**

report number  
**20050512-02-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

## SECTION 1.1 TEST INFORMATION

### GENERAL INFORMATION

<b>Product Type Model</b>	CDMA Gateway CDMA Gateway without Bandpass filter CDMA Gateway with Bandpass filter	
<b>Manufacturer's Name Manufacturer's Address Contact</b>	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 : <a href="mailto:juan.luglio@silverspringnetworks.com">juan.luglio@silverspringnetworks.com</a>
<b>Test Laboratory</b>	ITC Engineering Services, Inc. 9959 Calaveras Road, PO Box 543 Sunol, CA 94586-0543 Email: <a href="mailto:docs@itcemc.com">docs@itcemc.com</a> Web Site: <a href="http://www.itcemc.com">http://www.itcemc.com</a>	Tel: +1(925) 862-2944 Fax: +1(925) 862-9013
<b>Test Number and Report Numbers</b>	20050512-03	20050512-03-F15
<b>Test Date(s) &amp; Issue Date</b>	June 09 –June 22,2005	June 22, 2005
<b>Test Engineer(s)</b>	Femi Ojo and Robert Kershaw	
<b>Chief Engineer</b>	Michael Gbadebo, P.E	
<b>Documentation</b>	George Brown.	
<b>Test Results</b>	<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

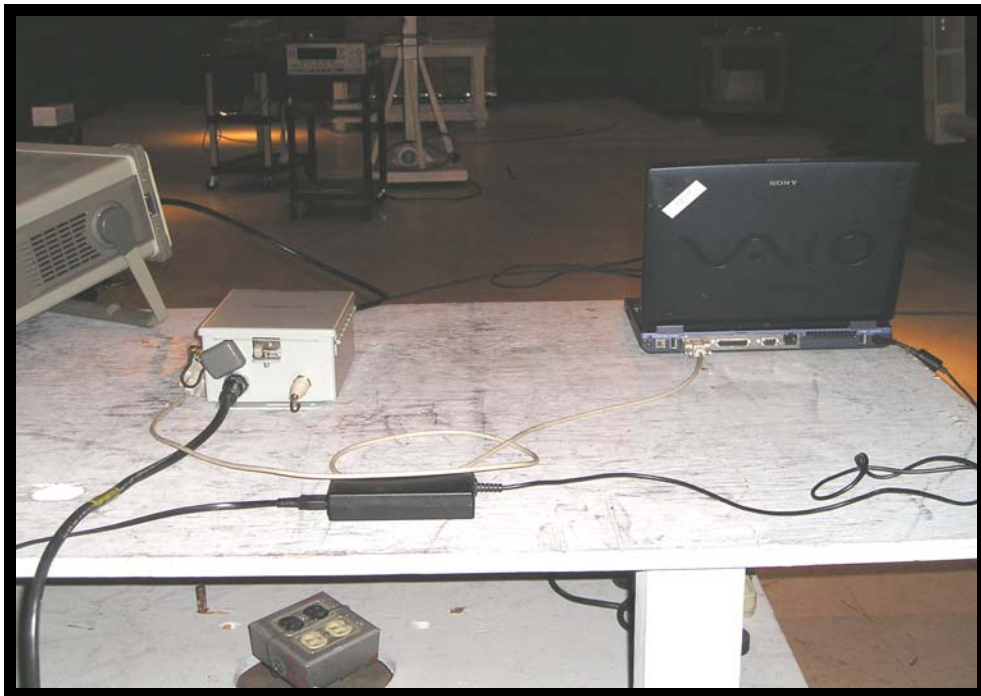


Figure 6 Test Setup Photo (Rear View)

## 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)