Company: Silver Spring Networks

Evaluation of; Milli 5

To: FCC CFR 47 Part 15 RF Exposure requirements

Report No.: SSNT122 MPE

MPE TEST REPORT

MPE TEST REPORT

FROM

Evaluation of: Silver Spring Networks Milli 5

to

To: FCC CFR 47 Part 15 RF Exposure requirements

Test Report Serial No.: SSNT122 MPE

This report supersedes: NONE

Applicant:	Silver Spring Networks 230 W Tasman Dr San Jose, California 95134 USA
Product Function:	900 MHz Radio Device
Issue Date:	20th September 2016

This Test Report is Issued Under the Authority of:

MiCOM Labs, Inc.
575 Boulder Court
Pleasanton California 94566
USA
Phone: +1 (925) 462-0304
Fax: +1 (925) 462-0306
www.micomlabs.com

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TESTING CERT #2381.01

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1. MAXIMUM PERMISSABLE EXPOSURE

Calculations for Maximum Permissible Exposure Levels
Power Density = Pd (mW/cm^2) = $EIRP/(4*\pi*d^2)$
EIRP = P * G
P = Peak output power (mW)
G = Antenna numeric gain (numeric)
d = Separation distance (cm)
Numeric Gain = 10 ^ (G (dBi)/10)

Because the EUT belongs to the General Population/Uncontrolled Exposure the limit of power density is 0.6 mW/cm^2

The calculations in the table below use the highest conducted power values together with the lowest antenna gain specified for the EUT. These calculations represent worst case in terms of the exposure levels.

Freq. Band (MHz)	Ant Gain (dBi)	Numeric Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Calculated Safe Distance @ 0.6 mW/cm^2	Calculated Power Density @ 20cm	Minimum Separation Distance (cm)
902.0 – 928.0	3.0	2.00	23.77	238.23	7.94	0.09	20.0

Note: for mobile or fixed location transmitters the minimum separation distance is 20cm, even if calculations indicate the MPE distance to be less.

Specification
Maximum Permissible Exposure Limits

FCC §1.1310 Limit = 1mW / cm^2 from 1.310 Table 1

575 Boulder Court
Pleasanton, California 94566, USA
Tel: +1 (925) 462 0304
Fax: +1 (925) 462 0306
www.micomlabs.com