DLS ELECTRONIC SYSTEMS, INC.
166 South Carter, Genoa City, WI 53128

Company:	GE Medical Systems, LLC
Model Tested:	5390144 rev3
Report Number:	16995 (RF Exposure)
Project Number:	4678

FCC Code of Federal Regulations 47 Part 1.1307(b) (1)

RF Exposure Statement of Compliance

THE FOLLOWING **MEETS** THE ABOVE TEST SPECIFICATION

Formal Name:	WUSB Host Radio
Kind of Equipment:	UWB Radio
FCC ID Number:	YYJ-5390144
Frequency Range:	3168 - 4752 MHz, 6336 – 7920 MHz
Test Configuration:	Hand-held transceiver tested table-top in worst case configuration of three orthogonal planes.
Model Number(s):	5390144 rev4, 5390144-2 rev 1, 5390144 rev 3
Model(s) Tested:	5390144 rev 3
Serial Number(s):	11V00084
Date of Tests:	May 23 – 27, 2011
Test Conducted For:	GE Medical Systems, LLC 3000 N. Grandview Blvd Mailstop W622 Waukesha, WI 53188

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Maximum EIRP (Peak):

BG1: -32.10 dBm 3.35 GHz
BG3: -33.34 dBm 6.41 GHz

Exposure Limit:

Maximum Permissible Exposure (MPE) limit for General Population / Uncontrolled Exposure in the frequency range 1500 – 100,000 MHz:

S = **1** mW/cm ^{2}

MPE Calculation:

Power Density (mW/cm ^{2}):

$$S = \frac{PG}{4\pi R^2} \quad or \quad S = \frac{EIRP}{4\pi R^2}$$

S = Power Density (mW/cm ^{2})
P = Power Input to the antenna (mW)
G = Numeric Power Gain of the antenna
R = Distance to the center of the radiation of the antenna (cm)
EIRP = Equivalent (effective) isotropically radiated power

Results:

BG1: $S = \frac{0.000616\ mW}{4\pi(20)^2} = 0.000000122\ \frac{mW}{cm^2}$

BG3: $S = \frac{0.000457\ mW}{4\pi(20)^2} = 0.000000091\ \frac{mW}{cm^2}$

Conclusion:

The GE Medical Systems, LLC, WUSB Host Radio operating under FCC Part 15.519 complies with the requirements of FCC Part 1.1307(b)(1) for RF Exposure Evaluation by a large margin.