Engineering Verification
IC RSS-Gen

for the

Guardian 900

December 5, 2010

PERFORMANCE MEASUREMENTS

All Type Acceptance measurements were conducted in accordance with the Rules and Regulations RSS-GEN, Subpart 6 of the IC Rules and Regulations. Equipment performance measurements were made on the IC certified test range at Calamp Wireless Networks Corporation in Waseca, Minnesota. All measurements were made and recorded by myself or under my direction. The performance measurements were made on December 5, 2010.

CONCLUSION

Given the results of the measurements contained herein, the applicant demonstrates compliance with RSS-GEN, Subpart 6 of the FCC Rules and Regulations.

Dale E Jordan 12/5/10

1 Applicable Standards

1.1 Field Strength Intensity Specification

1.1.1 RSS-Gen Section 6

Frequency of Emission	Field Strength (μV/meter)
30-88	100
88-216	150
216-960	200
Above 960	500

1.3 Method of Measurement

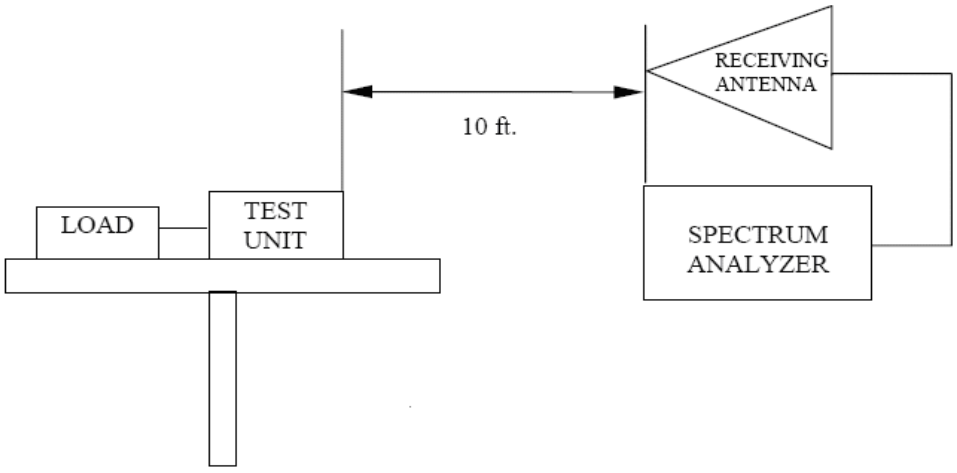
1.3.1 According to IC RSS-Gen, the method of measurement follows the guidelines listed in ANSI C63.4-2003

2 Test Equipment

2.1 Test Site: IC certified Open Area Test Site at Calamp Wireless Networks Corporation in Waseca, Minnesota

2.2 Equipment: Waveguide Horn Antenna, EMCO Model 3115
Bilog Antenna, Chase Model CBL6111B
Power Supply, Model HP 6284A
Spectrum Analyzer, Model HP-8563E
Reference Generator, Agilent Model E82570
50-Ohm Load, S.M. Electronics ST6S20

2.3 Block Diagram of Setup



3 Test Results

3.1 No measurable Spurious Frequencies were found to report. All spurs were at least 20dB below spec.

3.2 The dynamic range of the spectrum analyzer used is better than -105 dBm. With this dynamic Range the following table shows maximum possible field strength levels.

Freq		ACF	**Spectrum**	Conversion	Cable Loss	Field
			Anaylyzer	To		Intensity
(MHz)		(dB)	**(dBm)**	(dBuV)	(dB)	(uV/m)
206.1	H	12.0	**-105.0**	2.00	1.00	6
	V	12.0	**-105.0**	2.00	1.00	6
412.2	H	12.0	**-106.0**	1.00	2.00	6
	V	12.0	**-106.0**	1.00	2.00	6