Engineering Verification
FCC Part 15

for the

900MHz Viper SC

August 4, 2010

PERFORMANCE MEASUREMENTS

All Type Acceptance measurements were conducted in accordance with the Rules and Regulations Part 15, Subpart B of the FCC Rules and Regulations. Equipment performance measurements were made on the FCC 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 August 4, 2010.

CONCLUSION

Given the results of the measurements contained herein, the applicant demonstrates compliance with Part 15, Subpart B of the FCC Rules and Regulations.

Dale E Jordan 8/4/10

1 Applicable Standards

1.1 Field Strength Intensity Specification

1.1.1 Section 15.109(b)

Frequency of Emission	Field Strength (μV/meter)
30-88	90
88-216	150
216-960	210
Above 960	300

1.3 Method of Measurement

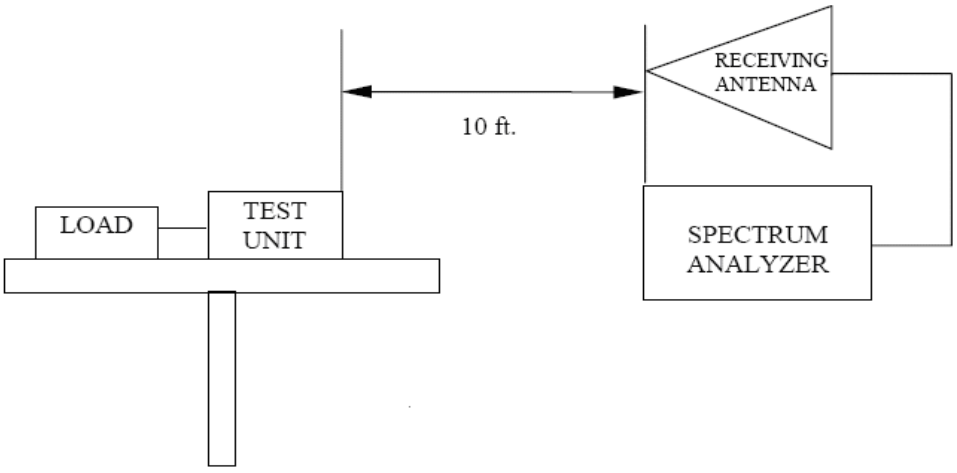
1.3.1 According to FCC Rules and Regulations Section 15.31(6), the method of measurement follows the guidelines listed in ANSI C63.4-2003

2 Test Equipment

2.1 Test Site: FCC certified Open Area Test Site at Dataradio COR Ltd 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	Extrapolate	Field
			Anaylyzer	To		Distance To	Intensity
(MHz)		(dB)	**(dBm)**	(dBuV)	(dB)	(Meters)	(uV/m)
873	H	24.0	**-105.0**	2.00	5.00	10	11
	V	24.0	**-105.0**	2.00	5.00	10	11