

Dataradio COR Ltd  
Waseca, Minnesota

## ENGINEERING STATEMENT OF Matt Schellin

The application consisting of the attached engineering exhibit and associated FCC form 731 has been prepared in support of a request for Certification for ViPR VHF Transceiver. The transceiver will be identified by the FCC number NP4-5018-500. The transceiver operates pursuant to Part(s) 90 of the Rules and Regulations.

### EXISTING CONDITIONS

The Dataradio COR Ltd has completed assembly of a final engineering prototype of the ViPR UHF Transceiver. The units utilized for these type acceptance measurements were obtained from the final engineering prototype. The transceiver is designed to operate on frequencies ranging from 136 to 174 MHz. The frequency tolerance of the transceiver is 1.0 parts per million. A Digitally Controlled Crystal Oscillator (DCXO) operating at 23.04 MHz controls the frequency stability of the transceiver.

### PROPOSED CONDITIONS

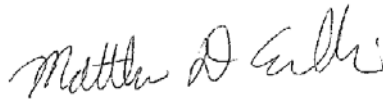
It is proposed to certify the ViPR VHF Transceiver for operation in the band of frequencies previously outlined. The applicant anticipates marketing the device for use in wireless transmission of data.

### PERFORMANCE MEASUREMENTS

All Certification measurements were conducted in accordance with Section 2.1033 of 47 CFR 2004 of the Rules and Regulations. Equipment performance measurements were made in the engineering laboratory and on the FCC certified test range at Dataradio COR Ltd in Waseca, Minnesota. All measurements were made and recorded by myself or under my direction. The performance measurements were made between June 11 2007 and June 29, 2007.

### CONCLUSION

Given the results of the ViPR VHF Transceiver measurements contained herein, the applicant requests that the Certification be granted for the ViPR VHF Transceiver as tested for data communications.



6/29/07

Electrical Engineer, Dataradio COR Ltd