Dataradio COR Ltd
Waseca, Minnesota

ENGINEERING STATEMENT OF Dale Jordan

The application consisting of the attached engineering exhibit and associated FCC form 731 has been prepared in support of a request for Certification for Viper 200 VHF Transceiver. The transceiver will be identified by the FCC number NP4-5028-502. The transceiver operates pursuant to Part(s) 80 and 90 of the Rules and Regulations.

EXISTING CONDITIONS

The Dataradio COR Ltd has completed assembly of a final engineering prototype of the Viper 200 VHF 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 216 to 222 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

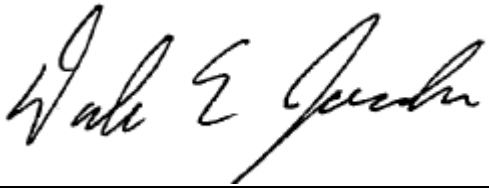
It is proposed to certify the Viper 200 VHF Transceiver for operation in the band of frequencies previously outlined. The applicant anticipates marketing the device for use in wireless transmission of data. The applicant will ensure that the radios comply with the output power requirement for both part 80 and 90 by shipping all units with a disabled transmitter. In order to enable the transmitter, a professional trained and certified installer must complete a setup process for the radio during which the output power of the transmitter is set. It is the responsibility of the professional trained and certified installer to have knowledge of the intended use of the unit and ensure that it complies with the regulations set forth by the FCC for the particular frequency band (e.g. no more than 2 watts for any device operating under part 90 rules in the 217-220 MHz band). The settings are password protected to ensure that only authorized personnel will have access.

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 October 1, 2009 and December 29, 2009.

CONCLUSION

Given the results of the Viper 200 VHF Transceiver measurements contained herein, the applicant requests that the Certification be granted for the Viper 200 VHF Transceiver as tested for data communications.



12/29/2009

Electrical Engineer, Dataradio COR Ltd