

CalAmp Wireless Networks Corporation
Waseca, MN U.S.A.

ENGINEERING STATEMENT
OF Allen T Frederick

The application consisting of the attached engineering test report and associated FCC form 731 has been prepared in support of a request for a Class II Permissive Change for FCC: NP44018450.

The certification NP44018450 has been granted to CalAmp Wireless Networks Corporation for its Integra-TR VHF radio modem. CalAmp Wireless Networks Corporation does the final assembly and markets the Integra-TR VHF radio modem. The NP44018450 certificate has been granted for several bit rates at 2-level FSK type of modulation scheme with a total of 4 emission designators. The change intends to add one emission designator for 25kHz dig modulation (16K3F1D) which meets the data efficiency requirement. This change involves the software, with no change occurring in the hardware of the Integra-TR VHF radio modem's transmitter, frequency stabilization or frequency control circuits so all spurious and radiated measurements from original filing still apply.

EXISTING CONDITIONS

The unit utilized for these occupied bandwidth and mask-compliance measurements was a Pilot unit built from production NP44018450. The transceiver operates on frequencies ranging from 136.000 MHz to 174.000 MHz. The frequency tolerance of the transceiver is 1.5 parts per million as granted in NP44018450.

PROPOSED CONDITIONS

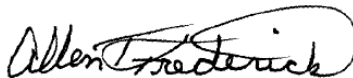
It is proposed to accept the request for the Integra-TR VHF radio modem for operation in the bandwidths previously outlined. The applicant anticipates marketing the device for use in wireless transmission of data and audio.

PERFORMANCE MEASUREMENTS

All measurements for Occupied Bandwidth and mask compliance as per 2.1043 (b)(2) were conducted in accordance with the Rules and Regulations Section 2.1041 and 2.1049 of Title 47 of the Code of Federal Regulations. Equipment performance measurements were made in the engineering laboratory located at 299 Johnson Ave Suite 110, Waseca, MN 56093 USA. All measurements were made and recorded by myself or under my direction. The performance measurements were made between Mar 1st, 2012 and March 30, 2012.

CONCLUSION

Given the results of the measurements contained herein, the applicant requests for a Class II Permissive Change for the Certificate NP44018450 to add the emission designators of 16K3F1D to the existent list.



4/30/2012

Allen T Frederick
Hardware Engineering Lead, CalAmp Wireless Networks Corporation