Dataradio Inc., Montreal, Canada

ENGINEERING STATEMENT
OF CONSTANTIN PINTILEI

The application consisting of the attached engineering exhibit and associated FCC form 731 has been prepared in support of a request for a Class II Permissive Change for EOTBDD4T881S2. All changes involved fall under Class II Permissive Change types and they are entirely detailed within the current report.

The certificate EOTBDD4T881S2 has been granted to Dataradio Inc. for the T881 Exciter module of the T88M-XY (see page 6 for part# description) 800 MHz base station manufactured by Tait Electronics Ltd. Dataradio Inc. buys this base station and uses it to build Paragon/PD, a wireless data base station. Dataradio Inc. modifies the exciter for a new proposed digital modulation scheme, does the final assembly and markets the finished Paragon/PD unit.

One Class II Permissive type of change is demonstrated with this filing. The certificate EOTBDD4T881S2 is granted for the following list of emission designators: 9K50, 11K0, 14K3 and 15K9F1D and 16K0F3E. The change consists in the addition of a new speed capability for another 4-FSK digital modulation source for which the compliance has been demonstrated for mask 90.210G. For this modulation source the occupied bandwidth fell within the current emission designators of 15K9F1D. This Class II permissive change involves the modulation source only and it is completely described in the current report.

EXISTING CONDITIONS

The unit utilized for these occupied bandwidth and mask-compliance measurements was a prototype built from pilot EOTBDD4T881S2 (in itself being a change in ID from production CASTEL0043) with beta-level firmware used to create the modulation scheme. The Exciter operates on frequencies ranging from 800.000 MHz to 870.000 MHz. The frequency tolerance of the exciter is .0001% or 1 parts per million and the output power is 5W as granted in EOTBDD4T881s2.

PROPOSED CONDITIONS

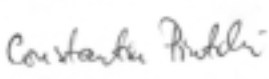
It is proposed to accept the Class II permissive change request for the EOTBDD4T881S2 certificate for operation in the band of frequencies previously outlined. The applicant anticipates marketing the device for use in wireless transmission of data.

PERFORMANCE MEASUREMENTS

All measurements for Occupied Bandwidth and mask compliance as per 2.1043 (b)(2) were conducted in accordance with the Rules and Regulations Section 2.1041and 2.1049 of Rules Service Co rev.2-154, Mar 15,2000. The measurements were made in the engineering laboratory located at 5500 Royalmount ave, Montreal, Canada. All measurements were made and recorded by myself or under my direction. The measurements were made between Nov 5, 2001 and Nov 14, 2001.

CONCLUSION

Given the results of the measurements contained herein, the applicant requests to be accepted the Class II Permissive Change for the Certificate EOTBDD4T881S2.



11/14/01

Constantin Pintilei
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