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November 14, 2001

Federal Communications Commission Laboratory
7435 Oakland Mills Road
Columbia, MD 21036

RE: FCC ID:PZLMC9660G2UM application for certification

Gentlemen:

EADS-Defense and Security Networks herewith submits an application for a base station transmitter to be operated as part of a networked system under Part 90 of the FCC Rules. The system consists of a frequency synthesizer and modulation module coupled to a RF transceiver assembly for each channel. There are two versions of the RF transceiver available, one having a maximum power output of approximately 8 watts and the other having a maximum output power of approximately 20 watts. Preliminary tests indicated the worst case emissions were produced by the 20 watt unit as would normally be expected. The above equipment, support switching, and power supplies are rack mounted in a cabinet with up to 8 channels in one cabinet. Cabinet configurations are denoted as one of the following two models, MC9660G2UM (high power) or MC9660UG2UM (low power). These cabinets can be networked together or installed individually for network purposes to provide secure networked digital communication services to multiple users in the 440 MHz to 490 MHz band. The portable handsets used with the networked base stations have been separately submitted for equipment authorization. Detailed descriptions of the respective systems are contained in the individual filing for the base and portable units.

As part of this filing, EADS through their American liaison, has provided an analysis showing the equipment meets the spectral efficiency requirements of Section 90.203(j)(8). This analysis has been accepted by the FCC as sufficient to show the spectral efficiency requirement is met. Copies of the pertinent documents and FCC confirmation of acceptance are included in this filing. This project is a joint venture of Matra, Nortel, and EADS-DSN with much of the supporting documentation showing the Matra Nortel logo.

Sincerely,

Phillip Inglis
Consultant