

175 Science Parkway, Rochester, New York 14620 USA (585) 242-9600 Phone (585) 242-9620 Fax Nov 20th, 2008

FEDERAL COMMUNICATIONS COMMISSION

7435 Oakland Mills Road Columbia, MD 21046 U.S.A.

Subject: Part 90.203 .J.5 Spectral Efficiency

Product: SD4 digital transceiver

FCC ID: E5MDS-SD4

Dear Sir/Madam,

"Applications for part 90 certification of transmitters designed to operate on frequencies in the 150.8–162.0125 MHz, 173.2–173.4 MHz, and/or 421–512 MHz bands, received on or after January 1, 2005, must include a certification that the equipment meets a spectrum efficiency standard of one voice channel per 6.25 kHz of channel bandwidth.

Additionally, if the equipment is capable of transmitting data, has transmitter output power greater than 500 mW, and has a channel bandwidth of more than 6.25 kHz, the equipment must be capable of supporting a minimum data rate of 4800 bits per second per 6.25 kHz of channel bandwidth."

The SD4 data transceiver operates in 3 bandwidths with modem "over the air" data rates.

6.25KHz channels @ 4800 bps

12.5KHz channels @ 4800 bps or 9600 bps

25KHz channels @ 4800 bps or 9600 bps or 19200 bps

This letter serves as attestation supporting evidence for spectral efficiency.

If you have any queries, please do not hesitate to contact me at 585 242-8440:

Yours truly,

Signed: Memi. M. M. Name: Dennis McCarthy

Dennis McCarthy

Agency Compliance Engineer GE MDS LLC 175 Science Parkway Rochester NY 14620

Phone (585) 242-8440, Email Dennis.McCarthy2@GE.com