

Date: June 19, 2006

To: Authorization & Evaluation Division
Federal Communication Commission Laboratory
7435 Oakland Mills Road
Columbia, MD 21046

Re: Application for Certification, FCC ID# TKY-TMS800
Answers to the Correspondence #31024

Dear Ms. Poole,

Lexycom Technologies, Inc., 1227 Reserve Dr., Longmont, CO 80501, hereby submits the answers to the questions posted in the Correspondence #31024 (dated June 2, 2006).

1. If not in filing already, please provide antenna list per 15.204(c) (3)

Answer. The Exhibit10 uploaded to the FCC's web site on 5/16/06 includes this information.

2. Please explain compliance with 15.204(b), i.e., transmitter will always be marketed including antenna.

Answer. The section 15.204(b) is irrelevant to our submittal as it references the "transmission systems", which includes "intentional radiator, an external radio frequency power amplifier, and an antenna"¹. With this submittal Lexycom Technologies is not seeking for the "transmission system" approval.

The compliance of Tiamis-800 transceiver to the other subparts of the Part 15.204 can be found in the Exhibit7 of our submittal.

3. RF exposure MPE estimation appears to consider only 6dBi antenna - please revise for other antenna gains if other antennas are intended for use under this FCC ID.

Answer. The list of the antennas to be used with the transceiver under this FCC ID is in Exhibit10². However, as stated in the Exhibit9 of Lexycom's submittal³, the MPE distance calculations were done for the worst case scenario. The MPE distance depends on the product of the *OutputPower* of the transceiver and the *AntennaGain* (the EIRP) as given in the equation suggested by the Commission and listed in the Exhibit9⁴. In our case the EIRP will never exceed 36 dBi (4 Watts) as suggested by the Rules and compliance to which Lexycom demonstrated in various parts of its submittal.

¹ See 47 C.F.R. § 15.204(b).

² See FCC ID# TKY-TMS800 submittal, Exhibit 10, "Technical Data and Photos of the Antennas".

³ See FCC ID# TKY-TMS800 submittal, Exhibit 9, "Compliance with the RF Exposure Requirements", page 2.

⁴ See FCC ID# TKY-TMS800 submittal, Exhibit 9, "Compliance with the RF Exposure Requirements", page 2.

In sum, the MPE calculations presented in the Exhibit9 were done considering the worst case scenario and, therefore, cover the rest of the antennas used with the transceiver.

Sincerely,

A handwritten signature in black ink, appearing to read 'Aleksey Pozhidaev', with a long horizontal flourish extending to the right.

Aleksey Pozhidaev
Compliance Engineer
Lexycom Technologies, Inc.