

From: James Olson

To: Doug Young

Date: April 05, 2002

Subject:

Request for Info - STA File # 0144-EX-ST-2002- Reply

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Message:

Boeing is exploring the application of advanced modulation and high frequency applications with the development of hardware to meet a variety of service uses. To better understand the market opportunities, Boeing is planning hardware experiments & application demonstrations. The most recent STA requests the use of 33.4-36 & 37-38.6 GHz bands. These bands were selected on the basis of available hardware. The proposed use is strictly experimental for a limited 6-month period. The choice of hardware selected for the proposed demonstrations has been made for expedience & the most cost effective approach to mechanize the near term studies. These studies are restricted to 3 sites in the greater Los Angeles area using up to 4 antenna sizes with service areas less than a square mile. The planned demonstrations are a follow-up & extension of earlier work carried out under previously approved STAs (WB9XML & WB9XOK). Furthermore, Boeing is aware of the sensitivity with regard to the radiolocation allocation in the 33.4-36 GHz band & is for that reason considering the 37-38.6 GHz band for more extensive study & possibly long term applications as one of its future possibilities