

From: Wayne Pleasant

To: John Kennedy

Date: June 13, 2006

Subject:

FCC File # 0066-EX-PL-2006

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Message:

Hello John:

Per your e-mail;

Some of the necessary bandwidths are 125 MHz while others are 1250 MHz. Are you requesting the use of 125 MHz and 1.25 GHz bandwidths?

Answer: Yes, the 125 MHz is for Fast Ethernet and the 1.25 GHz is for Gig E.

Also, you reported that the intent of this effort is to test, trial, and demonstrate millimeter wave point-to-point radio links that carry data rates from 10 MBs to over 1 GBs and you are requesting the use of 40 Huber and Suhner Sencity Link devices. Please explain how this experiment will be performed. For example, will there be one link or twenty, and is the link being established to study propagation characteristics or the effects of rain attenuation?

Answer: There will be at most two links per location, with multiple locations located around the US. We will measure and demonstrate the following;

Two link per path co-existence

Propagation effects and effect on data rate with environmental conditions

The effect of polarization diversity on link performance

Data error rate vs. link distance and availability

Ability to transport multiple packet data format, IP transport

Packet length vs link performance

Line of sight and NLOS capability

Regards,

Wayne