

 THOMCAST
COMMUNICATIONS Inc.

0228-EX-ST-1999

COMWAVE DIVISION

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June 28, 1999

Federal Communications Commission
Feeable Correspondence
P.O. Box 358305
Pittsburgh, PA 15251-5305

Dear Sirs:

The Comwave Division of Thomcast Communications Inc. requests a Microwave Special Temporary Authorization (STA) for a live over-the-air demonstration of Internet Access via a demonstration MMDS transmission system. This request is made under 47-CFR part 15.120 and 15.122. This demonstration is scheduled during July 10 through 14, 1999 at the Ernest N Morial Convention Center, 900 Convention Center Boulevard, New Orleans, LA 70130. The demonstration is to take place during the Wireless Communications Association International's (WCAI) Twelfth Annual Convention and Exposition. Comwave is the manufacturer of MMDS/ITFS transmitters.

The demo is to be located within the convention center. Comwave would like to transmit a signal within a single 6 MHz channel containing a 64 QAM waveform (emission designator 6M00D7W). A common signal will be transmitted between the Thomcast booth and three cooperating vendors' booths (three point to point paths, at different azimuths). Point to point path A will have a maximum path length of 185 feet in distance. Point to point paths B and C will have a maximum path length of 70 feet in distance. All point to point transmissions will be between a pair of parabolic dish antennas. The parabolic dish antennas will be placed less than 30 feet above floor level within the convention center. Each antenna to be incorporated in this demo will provide a maximum of +18 dBi gain.

The output power of our transmitter will be less than 0.3 microwatt (-25dBm) and the maximum Effective Isotropic Radiated Power (EIRP) of the system will be 200 microwatts (-7dBm). Comwave requests authorization to transmit on channel D3 which has the channel band of 2578 to 2584 MHz of frequency spectrum. The transmitter used for this demonstration will be model # SD1500, FCC Identifier CHP8BUSD1500.

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COMWAVE certifies that no party to the application is subject to a denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, U.S.C. 862.

Enclosed with this letter is FCC Form 159, FCC Remittance Advice including credit card payment information and the appropriate authorized signature. Thank you for your time and consideration with this matter. If you have any questions, please call at 1-800-266-9283.

Sincerely,



Joseph Turbolski
Manager System Engineering

Enclosure: 2

cc: Mr. Doug Young, Experimental Licensing Branch, FCC Washington DC

