

Electronic Systems

13510 North Central Expressway
Dallas, Texas
75243 USA
P.O. Box 660246
Dallas, Texas
75266-0246 USA

January 8, 2001

Federal Communications Commission
Experimental Licensing Branch, MS 1300E1
445 12 Street, S.W.
Washington, D.C. 20554

Subject: Progress Report for the Following Experimental Licenses

1. Call Sign: WA2XYG, File Number: 0026-EX-ML-2000
2. Call Sign: WA2XYH, File Number: 0027-EX-ML-2000
3. Call Sign: WA2XYI, File Number: 0028-EX-ML-2000

To Whom It May Concern:

Experimental Licenses (1) and (2) above were used over the last twelve (12) months in support of an advanced stratospheric commercial communication node experimental test program. Specific dates and locations of the tests were:

April 2000 - July 2000
August 2000

Mojave, CA
Los Angeles, CA

Coordination

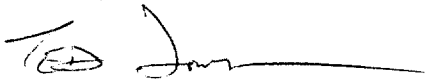
Coordination was performed with the potentially affected Licensee(s) in each location prior to operation (Location Monitor Services for (1) and Part 101 Licensee(s) for (2)). No problems were encountered or reported with any license holders in either frequency band. No experimental use of license (3) was performed over the last 12 months.

Results

The results of the stratospheric communication node experiments went very well. We were able to establish broadband wireless data links, transfer large data files, and conduct video conferences between the ground stations via the stratospheric communications node at rates up to 51 Mbps. The experiment demonstrated that these types of links are viable and can support commercial broadband needs.

It is anticipated that further experiments will continue in 2001. Please direct any questions regarding this progress report or the experimental licenses referenced to the undersigned.

Sincerely,



Ted Jones
Raytheon Company
Raytheon 13510 N. Central Expressway, M/S 255
Dallas, TX 75243
Phone: 972.344.5267
Email: ted-jones@raytheon.com