

02/20/95

National Geographic Society
Television Division
1145 17th Street, N.W.
Washington, D.C. 20036

Federal Communications Commission
Experimental Radio Service
P.O. Box 358320
Pittsburgh, Pa. 15251-5320

Re: Modification/Renewal of Existing License

Dear Sir,

Enclosed you will find a Form 442 requesting modification of our license, call sign KA2XXD, file number 3822-EX-PL-93.

The current Permit expires on July 1, 1995, and so we are requesting a renewal as well as a modification. This letter is to briefly explain the reason for the modification.

The present emission designator is 5M75C3F/250KF3E. We would like to have this changed to 10M5A3F/250KF3E. This has the effect of widening the allowable occupied bandwidth of the video portion of the signal to accommodate a double sideband transmission.

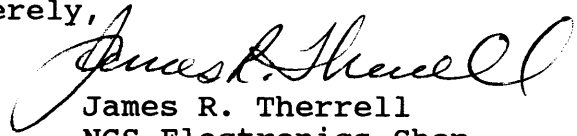
If we are permitted to operate with a double sideband A.M. visual signal, then we can purchase a commercially available transmitter that will meet most of our requirements with only a frequency adjustment.

Also, operating in a DSBAM mode simplifies the design of our own package, currently in development. Size and weight factors are important in our application. We would like to keep our circuit as simple as possible.

We have submitted application for an STA to operate DSB for the duration of our present license term. If there is any problem or question, please call me at (202) 857-7029, 8:00 AM - 5:00 PM.

Thank you for your consideration.

Sincerely,


James R. Therrell
NGS Electronics Shop