

Federal Communications Commission
PO Box 358320
Pittsburgh, PA 15251-5320

Gentlemen:

Hughes Network Systems hereby requests Special Temporary Authorization to operate an experimental station at a temporary location for a limited period of time, to develop and test equipment intended for export. The technical specifications of the operation are listed below, in accordance with Section 5.56. An FCC Remittance Advice form and a fee payment of \$45 are attached.

1. Applicant name and address

Hughes Network Systems, Inc.
11717 Exploration Lane
Germantown, MD 20876
Attn: Kal Ganesan

2. Need for special action

STA is requested because the operation will take place for a limited period of time.

3. Type of operation

Propagation testing and link measurements of prototype equipment.

4. Purpose

To determine whether theoretical propagation calculations are confirmed by field testing

5. Time and date

March 15, 1999 to September 15, 1999

6. Class and nature of service

Fixed and temporarily fixed, experimental

7. Location

Within 50 miles of Germantown, MD

39° 10' 48" N. Lat., 77° 14' 56" W. Long.

8. Equipment

Hughes Network Systems experimental transmitters intended for export

9. Frequencies

10150-10650 MHz

10. Power

+46 dBm EIRP

11. Type of emission

TCM 64 QAM, 4.48Mbit/sec, 1750 kHz bandwidth

12. Height of antenna

Antennas will be mounted on building rooftops attached to existing structures. If any new antenna support structures are erected, they will not exceed the height of any existing structures on the rooftops.

For additional information about this operation, please contact Kal Ganesan at 301-548-1117.

Sincerely,

 3-5-99

Kal Ganesan

Assistant Vice President

Hughes Network Systems