



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. SAT-00461

Friday July 27, 2007

POLICY BRANCH INFORMATION

Satellite Space Applications Accepted for Filing

The applications listed below have been found, upon initial review, to be acceptable for filing. The Commission reserves the right to return any of the applications if, upon further examination, it is determined the application is not in conformance with the Commission's rules or its policies. Consideration of each satellite application in this Public Notice may depend on the Commission's action on another satellite application earlier in the queue. Petitions, oppositions and other pleadings filed in response to this notice should conform to Section 25.154 of the Commission's rules, unless otherwise noted. 47 C.F.R. § 25.154.

SAT-MOD-20070529-00075 E S2633 TerreStar Networks Inc.
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Modification

Networks Inc. requests changes to the reservation of spectrum for its 2 GHz Mobile-Satellite Service system, which will operate using a Canadian-licensed geostationary-orbit satellite. TerreStar identifies a number of changes to the 2 GHz operation of the satellite, including: use of a larger 2 GHz service link antenna; increased EIRP for 2 GHz downlinks; more 2 GHz spot beams; different air interface protocols; and use of 2 GHz frequencies for transmission of calibration signals between the satellite and fixed earth stations in the U.S. and Canada. Terrestrial also seeks a reservation of spectrum for use of 10.7-10.95 GHz, 11.2-11.45 GHz, and 12.75-13.25 GHz for feeder links, telemetry, tracking, and control transmissions, and pilot and beacon signals between the satellite and gateway earth stations in the U.S. and Canada and for use of 13.7505 GHz and 13.7525 GHz for transfer orbit and emergency telecommand transmissions. TerreStar also proposes a change of orbital location from 107.3°W.L. to 111.1°W.L. with fluctuating orbital inclination and increased satellite mass and electrical power. TerreStar is requesting waivers of the following Commission rules: (1) footnote NG104 of the Table of Allocations in Section 2.106 of the Commission's rules (barring GSO-FSS operation in the 10.7-11.7 GHz and 12.75-13.25 GHz bands except for international systems), (2) footnote 2 of Section 25.202(a)(1) of the rules (reiterating the restriction in Footnote NG104), (3) Section 25.202(g) (requiring TT&C to be conducted at the edges of the operator's licensed frequency bands), and, to the extent necessary, (4) Section 25.140(b)(2) (requiring applicants for FSS operating authority to submit an interference analysis with respect to adjacent satellites at two degrees of orbital separation), (5) Section 25.210(j) (GSO station-keeping requirement), (6) Section 25.280(b)(4) (requiring GSO satellites in inclined orbits to maintain the authorized longitudinal position in the geostationary arc), and (7) completion requirements for Schedule S to FCC Form 312.

For more information concerning this Notice, contact the Satellite Division at 202-418-0719; TTY 202-418-2555.