

## DESCRIPTION OF MODIFICATION AND PROPOSED OPERATION

Telesat Network Services, Inc. ("Telesat") proposes to modify the 15 meter antenna associated with the instant earth station in the following respects:

1. Add Telstar 12 ("T12"), FCC Call sign 2462, at 109.2° W.L. as a point of communication in the extended Ku-band uplink frequencies 13750 – 14000 MHz. See Exhibit A (coordination with the Navy Radar stations), Exhibit B (coordination with NRAO), and Exhibit C (Comsearch coordination).
2. Add the following emission designators for the extended Ku band downlink frequencies 10950 – 11200 MHz and 11450 – 11700 MHz: 200KG7W and 54M0G7W. See Exhibit C (Comsearch coordination report).
3. Add the following emission designator for the Ku band uplink frequencies 14000 – 14500 MHz: 600KG7W.

Telesat acknowledges that pursuant footnote NG52 to the United States Table of Frequency Allocations, 47 CFR 2.106, NG52, its use of the 10.95-11.2 GHz and 11.45-11.7 GHz extended Ku band frequencies is limited to: (i) international operations and (ii) in the case of ESV, VMES, and ESAA stations, reception of FSS transmissions from geostationary satellites, subject to the condition that these earth stations shall not claim protection from transmissions of non-Federal stations in the fixed service.

Further, operation in the extended Ku band 13.75-14.0 GHz will comply with footnote US356 to the United States Table of Frequency Allocations, 47 C.F.R. § 2.106, US356, which specifies a mandatory minimum antenna diameter of 4.5 meters and requires that the maximum equivalent isotropic radiated power (EIRP) of any emission be at least 68 dBW and not exceed 85 dBW.

All previously authorized parameters remain the same unless changed herein.