

COMSAT, Inc.

Request for Special Temporary Authority to
Operate Santa Paula Teleport 12.8 Meter Hub Antenna to
Communicate With Inmarsat 3F2 Satellite Using L-band Frequencies to
Support Inmarsat Testing During Westward Drift of Satellite

File Number SES-MOD-20151009-00695

Call Sign KB34

COMSAT, Inc. (“COMSAT”) respectfully requests a grant of Special Temporary Authority (“STA”) effective May 1, 2019 to allow COMSAT to operate its Santa Paula, California Teleport 12.8 Meter Hub Antenna (SAPA 12.8M) to communicate with the Inmarsat 3F2 Satellite (I3F2) using L-band Frequencies to support Inmarsat testing during westward drift of I3F2. Prior to commencement of the drift that is being accomplished by Inmarsat to reposition I3F2 it was located at 15.5 west longitude and was authorized by the Commission for U.S. Market Access and was on the ISAT list. Inmarsat is now in the process of drifting the satellite west and has contracted with COMSAT to support testing of the satellite during part of the drift arc – that part being from 60W to 170E. Inmarsat has advised COMSAT that the final location of 3F2 has not been decided at this time and that Inmarsat does not plan to seek U.S. Market Access in relation to 3F2 at its new position. This STA is therefore only for limited testing purposes during the drift.

The STA that is needed for this purpose is to operate the SAPA12.8M antenna to communicate with I3F2 during its drift utilizing the following Emissions-

#	Frequency (MHz)	Polarization	Emission	Tx/Rx	Max EIRP /Carrier (dBW)	Max EIRP Density (dBW/4kHz)	Modulation
Pilot	1638.900	RHC	N0N	T	33	33	Pilot
Test Carrier 1	1639.180	RHC	10KG1E	T	42	38	PSK
Test Carrier 2	1639.220	RHC	10KG1E	T	42	38	PSK
Test Carrier 3	1537.290	RHC	05KG1E	R			PSK
Test Carrier 4	1537.295	RHC	05KG1E	R			PSK

The SAPA 12.8M antenna is currently authorized per COMSAT’s KB34 license to communicate in the L-band with ISAT list satellites and the power levels and other particulars needed for the testing will be well within authorized levels. Grant of the STA for the testing is in the public interest because Inmarsat services supported by I3 satellites include maritime services used for Safety at Sea as well as services used by various U.S. agencies. It is therefore respectfully requested that STA as described above be granted for a period of 30 days, effective May 1, 2019.

Any questions with respect to this matter may be directed to James G. Lovelace at 571-599-3643.