

## EXHIBIT 1 – APPLICATION NARRATIVE

COMSAT, Inc.

Request for Modification of KA31 License to  
Specify More Accurate Latitude, Longitude and Elevation;  
Add East and West Longitude Specifications for L-band Frequency Coordination;  
Add Missing C-band Coordination Specifications; and  
Add 'Permitted Space Station List' and Certain Inmarsat  
Satellites as Authorized Points of Communications

File Number SES-MOD-20151009-00715  
Call Sign KA31

COMSAT, Inc. (“COMSAT”) respectfully requests that its KA31 license be modified to specify more accurate latitude, longitude and elevation as set forth in the Schedule B for the 12.8 meter antenna authorized on the license. It is also requested that east and west longitude specifications for L-band frequencies and missing C-band coordination specifications be added to the Frequency Coordination Section of the license.

Addition of the east and west longitude specifications for L-band frequencies are needed because those specifications were not included in the past Modification Applications which added L-band authorizations to the license. The missing C-band coordination specifications should have been in the KA31 license in the 1980s but for unknown reasons are not in the license at the present time. The C-band frequency Coordinations contained in the attached Exhibit 3 are therefore hereby submitted in support of COMSAT’s request to add C-band coordination specifications as set forth in the Schedule B.

Exhibit 3 contains what is believed to be the original KA31 C-band Frequency Coordination for the 3700.0 - 4200.0 and 5925.0 – 6425.0 MHz frequencies which was submitted to the Commission in 1986; a C-band Frequency Coordination and Interference Analysis Report for 3600.0 - 3629.0 and 6425.0 - 6454.0 MHz frequencies which was submitted to the Commission for the KA31 license in 2008; and a C-band Frequency Coordination and Interference Analysis Report for the 3700.0 - 4200.0 and 5925.0 - 6425.0 MHz frequencies which was submitted to the Commission in 2002 for COMSAT’s KB34 12.8 meter C-band antenna. That KB34 antenna is electronically identical to the 12.8 meter antenna which is authorized on the KA31 license and the two antennas are less than 80 feet apart. COMSAT therefore respectfully requests that the KB34 Report also be accepted for the Coordination of the KA31 antenna and that the C-band coordination specifications established by the 3 Coordinations contained in Exhibit 3 be added to the Frequency Coordination Section of the KA31 license as set forth in the Schedule B.

A mark-up of the current license showing the changes that are needed to address the above is attached as Exhibit 2 and the missing coordination specifications have been entered as appropriate in the Schedule B being submitted with the Application. Please

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make those corrections to the KB34 license accordingly. Finally, it is also requested that 'Permitted Space Station List' and Inmarsat satellites be added as per the Schedule B to the Point of Communications authorized for the KA31 antenna.

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