

February 22, 2016

BY ELECTRONIC FILING

Marlene H. Dortch, Secretary
Federal Communications Commission
445 Twelfth Street, S.W.
Washington, DC 20554

Re: *Supplemental Data Submission*
IBFS File No. SAT-PPL-20160111-00001

Dear Ms. Dortch:

In the above referenced proceeding, Inmarsat plc (“Inmarsat”) has requested, pursuant to the Commission’s *ISAT List Order*¹ and Section 25.137 of the Commission’s rules, that the Commission modify the “ISAT List” to reflect the replacement of the Inmarsat-3 F4 satellite with the Inmarsat-3 F5 satellite at 54° W.L. In its application, Inmarsat incorporated by reference the technical information previously submitted in connection with its application to place Inmarsat-3 F4 on the ISAT List. Due to revisions in the Commission’s rules since that information was originally filed, however, a few pieces of information currently called for were not included.

Accordingly, Inmarsat provides the data attached hereto as a supplement to the technical data provided with and incorporated by reference in its pending application. Please associate these materials with that application.

If you have any questions, please do not hesitate to contact me.

Sincerely yours,

William M. Wiltshire
Counsel for Inmarsat plc

Attachment

¹ See *Inmarsat, Inc. Request to Streamline Licensing of L-Band Mobile-Satellite Service Terminals Using Inmarsat Satellites as Points of Communication*, 23 FCC Rcd. 15268 (Int’l Bur. 2008) (“*ISAT List Order*”).

**Supplemental Data for Inmarsat-3 F5 Operation
at 54° W.L.**

Description	Uplink (Receive)				Downlink (Transmit)		
	Beam	Frequency Band (MHz)	Minimum saturation flux density at beam peak (dBW/m ²)	Maximum saturation flux density at beam peak (dBW/m ²)	Beam	Frequency Band (MHz)	Maximum EIRP density (dBW/4kHz)
Forward Link (C-L)	Global	6425-6454	-135.4	-111.4	Regional spot	1525-1559	28.8
	Global	6425-6454	-136.6	-112.6	Global	1525-1559	33.7
Return Link (L-C)	Regional spot	1626.5-1660.5	-143.8	-120.8	Global	3600-3629	1.4
	Global	1626.5-1660.5	-144.1	-111.1	Global	3600-3629	1.4
Nav (C-C)	Global	6454.4-6456.6	-112.1	-88.1	Global	3629.4-3631.6	-24.1
C to C Link	Global	6432.3 - 6433.2	-119.1	-99.1	Global	3607.3-3608.2	-11.3
Nav (C-L)	Global	6454.4-6456.6	-136.6	-112.6	Global	1574.4-1576.6	5.6