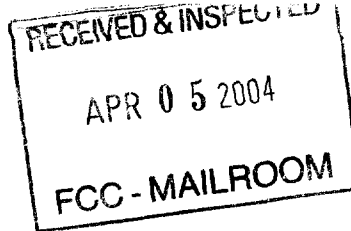


March 30, 2004



APR - 8 2004

Satellite and  
Radiocommunications Division  
International Bureau

Federal Communications Commission  
International Bureau  
445 12<sup>th</sup> Street S.W.  
Washington, D.C. 20554

Attention Jeanett Spriggs

**Re: SES-MOD-20040116-00055**

Attached is the Coordination Letter from Panamsat Corporation, coordinating the use of Prodelin 98 cm and Channel Master 96 cm antennas on Galaxy IIC for the Mainstream Data VSAT network.

Regards,

A handwritten signature in black ink, appearing to read "Robert Chamberlin".

Robert Chamberlin  
VP Eng  
Lightspeed Communications, Inc.

For Mainstream Data, Inc.



January 20, 2004

Federal Communications Commission  
International Bureau  
445 12th Street, S.W.  
Washington, D.C. 20554

Subject: Engineering Certification of PanAmSat Corporation

To whom it may concern:

The purpose of this letter is to certify that PanAmSat Corporation (PAS) is fully aware that Mainstream Data Inc. (MDI) is seeking authorization to communicate with the PAS U.S. domestic satellite Galaxy III-C using Ku-band sub-meter transmit/receive antenna that is not strictly compliant with the FCC 2-degree spacing requirements for off-axis sidelobe gain<sup>1</sup>.

PAS owns Galaxy III-C and PanAmSat's subsidiary is authorized to operate (and is operating) the satellite at 95 degrees West Longitude in the geostationary-satellite orbital arc.

PAS is aware that MDI has filed a modification (File No. SES-MOD-20040116-00055 of its license (E920589) with the Federal Communications Commission to seek authorization, among others, to add up to 7,000 fixed Ku-band terminals of each of two types to operate on Galaxy III-C satellite.

The first type of terminal uses the Channel Master 96-cm antenna. We understand that this antenna generally exhibits non-compliance in the region from 1.25 to 1.73 degrees off axis from maximum gain, due to the width of the main gain lobe; the antenna complies with Part 25.209 at 1.72 degrees and beyond. MDI has represented that they will install these sub-meter antennas with a nominal pointing accuracy of +/-0.32 degrees and operate them at a maximum input power density at the antenna waveguide flange of -14.0 dBW/4 kHz, compliant with the -14.0 dBW/4 kHz FCC maximum for 2-degree compliant systems and routine licensing<sup>2</sup>.

The second type of terminal uses the Prodelin 98-cm antenna. We understand that this antenna generally exhibits non-compliance in the region from 1.25 to 1.58 degrees off axis from maximum gain, due to the width of the main gain lobe; the antenna complies with Part 25.209 at 1.58 degrees and beyond. MDI has represented that they will install these sub-meter antennas with a nominal pointing accuracy of +/-0.43 degrees and operate them at a maximum input power density at the antenna waveguide flange of -14.0 dBW/4 kHz, compliant with the -14.0 dBW/4 kHz FCC maximum for 2-degree compliant systems and routine licensing

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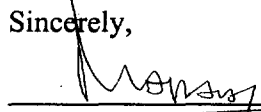
<sup>1</sup> 47 C.F.R. § 25.209

<sup>2</sup> 47 CFR § 25.134

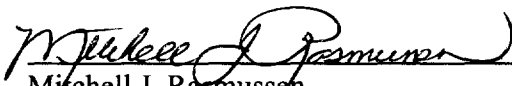
PAS is generally familiar with the performance parameters of these Ku-band sub-meter transmit/receive antennas and MDI has acknowledged that these antennas will be installed by experienced technicians and aligned with the intended satellite to less than or equal to the tolerances as stated in this letter. Further, compliance with the technical, operational and performance requirements of Part 25 of the FCC rules, and any requirements set forth in the modification to be granted by the FCC for MDI's Ku-band sub-meter Channel Master and Prodelin antennas will be met.

PAS and MDI acknowledge that the use of the above Channel Master and Prodelin non-compliant antennas must not cause unacceptable interference into adjacent satellites in accordance with the FCC's 2-degree spacing policy and must accept interference from adjacent satellites to the degree to which harmful interference would not be expected to be caused to an earth station employing an antenna conforming to the reference patterns defined in § 25.209 of the FCC rules.

Sincerely,

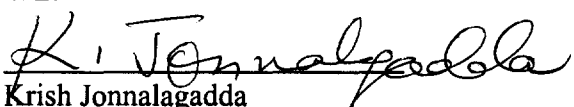
  
\_\_\_\_\_  
Mohammad Marashi  
VP, Customer Support Engineering  
PanAmSat Corp.

Agreement and Acceptance by MDI

  
\_\_\_\_\_  
Mitchell J. Rasmussen  
CFO/COO  
Mainstream Data, Inc.

*Acceptance by Loral Skynet:*

Loral Skynet agrees to the use of the Channel Master 96-cm and Prodelin 98-cm sub-meter transmit/receive antennas, with their respective azimuth angle alignment tolerances towards Telstar 6 at 93 degrees WL and Telstar 5 at 97 degrees WL and the power density level into the antenna flange as stated in this letter, with respect to Telstar satellite transponders that are within +/- 6 degrees orbital spacing from Galaxy III-C at 95 degrees WL.

  
\_\_\_\_\_  
Krish Jonnalagadda  
Technical Project Director  
Spectrum Engineering  
Loral Skynet