

To: Steven Hemple
E-Mail: steven.hemple@viasat.com
From: Leann Nguyen
Date: February 02, 2018

Subject: Request for Info - File # 0015-EX-CM-2018

Message:

Below is International Bureau's statement. Please response for each issue that IB concerns.

IB/SD has reviewed the subject requests and has a number of concerns/comments/questions:

1) Please specify the frequency band and its associated emission designator and power (ERP) that will be operated by 75 cm and 180 cm earth station terminals, and GM40 aeronautical earth stations.

2) According to Radiation Hazard Analysis, the Gain @ 30 GHz for the 180 cm ES Terminal is 52.4 dBi and the EIRP operating at 30 GHz is 65.9 dBW. If the following frequency bands are transmitting by the 180 cm ES Terminal, ViaSat, Inc. (ViaSat) is advised to reduce the power of 3508780 W (ERP) (which is equal to 67.6 dBW) to an EIRP of 65.9 dBW:

28350-30000	MHz	MO	160MG7D	3508780W (ERP)
28350-30000	MHz	MO	320MG7D	3508780W (ERP)
28350-30000	MHz	MO	80M0G7D	3508780W (ERP)

3) ViaSat's operations with power (ERP) levels, exceeding the EPFD limits in Article 22, Section II of the ITU radio Regulations, may cause potential interferences to NGSO and other GSO Ka-band satellite systems. Please verify that ViaSat has included the ViaSat-2 (S2902) located at 69.9° W.L. and its operations (28.35-29.1GHz and 28.35-30 GHz frequency bands with the associated emissions and power (ERP)) in its existing coordination agreements and finally certify that it has successfully coordinated for the following:

a) POINT-OF-COMMUNICATIONS: ViaSat-1, ViaSat-2, WildBlue-1, ANIK-F2, AMC-15, AMC-16 and O3b satellites.

b) Communications between Viasat's earth stations (75 cm and 180 cm earth station terminals, and GM40 aeronautical earth stations) and the AMC-16, AMC-15, ANIK-F2, WB-1, O3b, ViaSat-1 and, ViaSat-2 space stations are in compliance with the terms of coordination agreements between the operators of the AMC-16, AMC-15, ANIK-F2, WB-1, O3b, ViaSat-1 and, ViaSat-2 space stations and operators of other Ka-band geostationary space stations within six angular degrees of those space stations.

c) Communications between Viasat's earth stations (75 cm and 180 cm earth station terminals, and GM40 aeronautical earth stations) and the ANIK-F2 and WB-1 space stations are in compliance with all existing and future space station coordination agreements reached between Canada and other administrations.

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of February 02, 2018 may result in application dismissal pursuant to Section 5.67 and forfeiture of the filing fee pursuant to Section 1.1108.

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Responses to this correspondence must contain the Reference number : 40571