JONES DAY

51 LOUISIANA AVENUE, N.W. • WASHINGTON, D.C. 20001.2113

TELEPHONE: +1.202.879.3939 • FACSIMILE: +1.202.626.1700

DIRECT NUMBER: (202) 879-3630
BOLCOTT@JONESDAY.COM

April 8, 2016

BY ELECTRONIC DELIVERY AND ELECTRONIC FILING

Kathyrn Medley,
Chief, Engineering Branch
International Bureau
Federal Communications Commission
445 12th Street SW, Washington, DC 20554

Re: **Supplemental information in support of ARSAT-2 Permitted List Application File No. SAT-PPL-20160304-00024**

Dear Kathyrn:

As requested by International Bureau staff, Empresa Argentina de Soluciones Satelitales S.A. ("ARSAT") provides the below supplemental information in support of its petition for declaratory ruling to add ARSAT-2 to the Commission's Permitted Space Station List.

Maximum EIRP and maximum EIRP density for each transmitting antenna beam
Per §25.114(c)(4)(ii), ARSAT provides this information for each frequency band in which the transmitting antenna will operate.[1]

Beam	**Maximum EIRP** dBW	**Maximum EIRP Density** dBW/4 KHz	**Ref. Bandwidth**
CDH	41.9	-0.65	4 KHz
CDV	41.9	-0.65	4 KHz
KNDH	51.9	9.35	4 KHz
KNDV	51.9	9.35	4 KHz

[1] 47 C.F.R. § 25.114(c)(4)(ii).

Provide the calculated maximum PFD levels within each coverage area
Per 25.114(c)(8), ARSAT provides the maximum power flux density ("PFD") levels for each beam on ARSAT-2.[2] For the C-band beams, ARSAT notes the limits required for compliance with §25.208. There are no PFD limits in the Commission's rules for GSO satellites using the Ku-band.

Beam: CDH **Frequency Range: 3700 - 4200 MHz**				
Elevation	**PFD dBW/m2/4 KHz**	**PFD Limit dBW/m2/4 KHz**	**Margin dB**	**Ref. Bandwidth**
0°	-166.5	-152.0	14.5	4 KHz
5°	-166.4	-152.0	14.4	4 KHz
10°	-166.1	-149.5	16.6	4 KHz
15°	-165.7	-147.0	18.7	4 KHz
20°	-165.3	-144.5	20.8	4 KHz
25°	-164.8	-142.0	22.8	4 KHz
Peak	-162.9	-142.0	20.9	4 KHz

Beam: CDV **Frequency Range: 3700 - 4200 MHz**				
Elevation	**PFD dBW/m2/4 KHz**	**PFD Limit dBW/m2/4 KHz**	**Margin dB**	**Ref. Bandwidth**
0°	-166.5	-152.0	14.5	4 KHz
5°	-166.4	-152.0	14.4	4 KHz
10°	-166.1	-149.5	16.6	4 KHz
15°	-165.7	-147.0	18.7	4 KHz
20°	-165.3	-144.5	20.8	4 KHz
25°	-164.8	-142.0	22.8	4 KHz
Peak	-162.9	-142.0	20.9	4 KHz

[2] 47 C.F.R. § 25.114(c)(8).

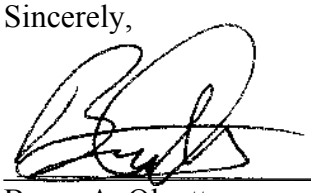
Beam: **KNDH** **Frequency Range: 11.7 -12.2 GHz**				
Elevation	**PFD dBW/m2/4 KHz**	**PFD Limit dBW/m2/4 KHz**	**Margin dB**	**Ref. Bandwidth**
0°	-158.0	N/A	N/A	4 KHz
5°	-157.7	N/A	N/A	4 KHz
10°	-157.3	N/A	N/A	4 KHz
15°	-156.8	N/A	N/A	4 KHz
20°	-156.2	N/A	N/A	4 KHz
25°	-155.6	N/A	N/A	4 KHz
Peak	-153.0	N/A	N/A	4 KHz

Beam: **KNDV** **Frequency Range: 11.7 -12.2 GHz**				
Elevation	**PFD dBW/m2/4 KHz**	**PFD Limit dBW/m2/4 KHz**	**Margin dB**	**Ref. Bandwidth**
0°	-158.0	N/A	N/A	4 KHz
5°	-157.7	N/A	N/A	4 KHz
10°	-157.3	N/A	N/A	4 KHz
15°	-156.8	N/A	N/A	4 KHz
20°	-156.2	N/A	N/A	4 KHz
25°	-155.6	N/A	N/A	4 KHz
Peak	-153.0	N/A	N/A	4 KHz

Schedule S Attachments
International Bureau staff has requested re-transmission of the Schedule S attachments. Therefore, ARSAT has provided via email a .rar file containing the required the .pdf and .gxt files intended to be included in the Schedule S file.

ARSAT will file a copy of this letter in the Arsat-2 petition, File No. SAT-PPL-20160304-00024. Please let me know if you have any questions.

Sincerely,



Bruce A. Olcott