



File # SAT-MPL-20200401-00029

Call Sign 53048 Grant Date August 11, 2020
(or other identifier)

Term Dates
From June 19, 2020 To: See Conditions

Approved: [Signature]
John V. Worthington
Deputy Chief
Satellite Policy Branch

Approved by OMB
3060-0678

Date & Time Filed: Apr 1 2020 3:59:54:556PM
File Number: SAT-MPL-20200401-00029

FCC APPLICATION FOR SPACE AND EARTH STATION: MOD OR AMD - MAIN FORM

FCC 312 MAIN FORM FOR OFFICIAL USE ONLY

FCC Use Only

APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:
NSS-6 modification request to reorient one of the satellite's beams

1-8. Legal Name of Applicant

Name:	New Skies Satellites B.V.	Phone Number:	202-478-7144
DBA Name:		Fax Number:	202-478-7111
Street:	1129 20th St. NW Suite 1000	E-Mail:	petra.vorwig@ses.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20036
Attention:	Petra A. Vorwig		

ATTACHMENT TO GRANT
New Skies Satellites B.V.
IBFS File No. SAT-MPL-20200401-00029

IBFS File No(s):	SAT-MPL-20200401-00029 ¹	GRANTED – With Conditions  International Bureau Satellite Division
Licensee/Grantee:	New Skies Satellites B.V. (SES)	
Call Sign:	S3048	
Satellite Name:	NSS-6 ²	
Orbital Location: (required station-keeping tolerance)	169.5° W.L. (± 0.1 degrees) ³	
Administration:	The Netherlands	
Nature of Service:	Fixed-Satellite Service (FSS)	
Scope of Grant:	Reissue of the market access conditions for NSS-6 to reflect a 0.3 degree change in orientation of one of the satellite's beams.	
Service Area(s):	See Schedule S Tech Report. West Coast of continental United States, West Coast of Canada, Alaska, Hawaii, Japan, Pacific and South Pacific regions	
Frequencies:	Service Bands: 10.95-11.2 GHz (space-to-Earth) 11.45-11.7 GHz (space-to-Earth) 12.5-12.75 GHz (space-to-Earth) 13.75-14.5 GHz band (Earth-to-space) TT&C Center Frequencies: 14.4960 GHz, 14.4990 GHz (Earth-to-space) 11.1980 GHz, 11.1995 GHz (space-to-Earth)	
Unless otherwise specified herein, operations under this grant must comport with the legal and technical specifications set forth by the applicant or petitioner and with Federal Communication Commission's rules not waived herein. This grant is also subject to the following conditions: 1. This grant does not include provision of any Direct-to-Home service, Direct Broadcast Satellite service, or Digital Audio Service to, from, or within the United States.⁴ 2. Communications between U.S.-licensed earth stations and the NSS-6 space station must comply with all existing and future space station coordination agreements reached between the Netherlands and other administrations. In the absence of a coordination agreement, such communications must comply with applicable provisions of the International Telecommunications Union (ITU) Radio Regulations as the		

¹ On September 12, 2019, the Satellite Division granted New Skies Satellites B.V.'s request for U.S. market access for its NSS-6 space station at the 169.5° W.L. orbital location. IBFS File No. SAT-PDR-20190403-00022 (grant stamp dated Sept. 12, 2019), which included: (1) the addition of NSS-6 to the Permitted List in the 13.75-14.5 GHz (Earth-to-space), 10.95-11.2 GHz (space-to-Earth) and 11.45-11.7 GHz (space-to-Earth) bands; and (2) authority to serve the U.S. market using the 12.5-12.75 GHz band for space-to-Earth operations. In the instant modification, New Skies proposes a minor 0.3 degree change in orientation of one of the satellite's beams, and cites Section 25.117(h)(2) of the Commission's rules, 47 C.F.R. § 25.117(h)(2), which states in essence that such a modification will be deemed granted 35 days after public notice if no objection is filed. No objection was filed to this application.

² We decline to address SES' request to waive Sections 25.114(d)(14)(ii) and 25.283(c). Section 25.283(c) requires the discharge of stored energy at end-of-life of the space station. We previously approved the waiver of Section 25.283(c) for NSS-6 in the grant of an earth station license modification for Panasonic Avionics Corporation. See Call Sign E100089, IBFS File No. SES-MFS-20150609-00349 (granted June 30, 2016).

³ SES seeks a waiver of the station-keeping requirement in Section 25.210(j) of the Commission's rules. See Condition 3.

⁴ With respect to DBS and DTH, this condition excludes from the scope of this market access grant those services specified in Section 25.701(a)(1)-(5) of the Commission's rules. 47 CFR § 25.701(a)(1)-(5).

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Commission cannot guarantee the success of the required coordination.

3. SES's request for a waiver of Section 25.210(j) of the Commission's rules, 47 CFR § 25.210(j) IS GRANTED. Section 25.210(j) requires geostationary space stations to be maintained within ± 0.05 degrees of their assigned orbital longitude in the east-west direction, unless specifically authorized by the Commission to operate with a different longitudinal tolerance. SES proposes to save fuel by operating NSS-6 with an east-west station-keeping tolerance of ± 0.1 degrees. SES also states that the proposed station-keeping volume for NSS-6 will not overlap with the station-keeping volume of any other spacecraft. We agree that increasing the station-keeping volume of the NSS-6 spacecraft will not adversely affect the operations of other spacecraft and will conserve fuel. Accordingly, SES is authorized to operate the NSS-6 space station with an east-west station-keeping tolerance of ± 0.1 degrees of 169.5° W.L., provided that no other spacecraft is located within the same station-keeping volume of NSS-6. This waiver and the operations it permits will terminate in the event a spacecraft is launched or relocated into a location such that its station-keeping volume would overlap NSS-6's ± 0.1 degree station-keeping volume, but not overlap NSS-6's ± 0.05 degree station-keeping tolerance, unless SES successfully coordinates NSS-6's physical operations with those of other spacecraft. This waiver is limited to NSS-6 and does not extend to any replacement spacecraft.
4. Communications between U.S.-licensed earth stations and the NSS-6 space station in the 10.95-11.2 GHz (space-to-Earth) and 11.45-11.7 GHz (space-to-Earth) frequency bands are limited to international operations in accordance with footnote NG52 to the United States Table of Frequency Allocations, 47 CFR § 2.106, NG52.
5. Communications between U.S.-licensed earth stations and the NSS-6 space station in the 10.95-11.2 GHz (space-to-Earth) and 11.45-11.7 GHz (space-to-Earth) frequency bands are subject to footnote US211 to the United States Table of Frequency Allocations, 47 CFR § 2.106, US211, which urges applicants for airborne or space station assignments to take all practicable steps to protect radio astronomy observations in the adjacent bands from harmful interference, consistent with footnote US74.
6. The power flux-density at the Earth's surface produced by the emissions from the NSS-6 space station in the 10.95-11.2 GHz (space-to-Earth) and 11.45-11.7 GHz (space-to-Earth) frequency bands must not exceed the applicable power flux-density limits contained in 47 CFR § 25.208(b) of the Commission's rules, and in Article 21 of the ITU Radio Regulations.
7. SES's request for waiver of the United States Table of Frequency Allocations, 47 CFR § 2.106, to provide FSS to the United States and its territories using the 12.5-12.7 GHz (space-to-Earth) frequency band on a non-interference, non-protected basis, is GRANTED. The 12.5-12.7 GHz frequency band is allocated to the Broadcasting-Satellite Service (BSS) in ITU Region 2 and the United States. NSS-6's operations shall be on a non-interference and non-protected basis within the United States and its territories located in ITU Region 2. Additionally, NSS-6 will protect terrestrial station operations by complying with ITU power flux density limits specified in No. 21.16 of the ITU Radio Regulations. As a non-conforming user of the 12.5-12.7 GHz band in ITU Region 2, NSS-6 must not cause harmful interference to existing and future authorized users who are operating in accordance with the Table of Allocations in ITU Region 2 and must accept interference from such authorized users. Waiver is justified because FSS operations in these bands are consistent with No. 5.492 of the ITU Radio Regulations and there are no U.S. BSS satellites transmitting from orbital locations within 50 degrees of NSS-6 at 169.5° W.L.
8. SES's request for a waiver of 47 CFR § 2.106 of the Commission's rules to permit the provision of FSS within Region 2 and the United States in the 12.7-12.75 GHz frequency band (space-to-Earth) IS GRANTED, subject to the following conditions:
 - a. SES shall not cause any harmful interference to existing and future authorized users operating in the United States in accordance with the U.S. Table of Frequency Allocations and shall accept any

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interference in the United States from such authorized users, including CARS operators, BAS operators, Private Operational Fixed Point-to-Point Service (OFS) operators and Common Carrier Local TV Transmission Service (LTTS) operators;

b. In the event of harmful interference to any authorized services operating in accordance with the ITU Table of Frequency Allocations resulting from SES's use of the 12.7-12.75 GHz band in Region 2, SES shall immediately cease operations in that band;

c. SES is required to inform its customers in writing, including end-users receiving service from resellers accessing capacity on NSS-6, that service:

i.) shall be discontinued should a report of harmful interference resulting from this service occur;

ii.) is being provided pursuant to authority subject to a non-harmful interference basis, and that the customers therefore are not protected from harmful interference resulting from services that are allocated to this frequency band;

d. In the event that SES receives any report of harmful interference, SES shall inform the Commission of this and provide details of how it has been resolved;

e. To further protect services in this band, the power flux density limits at the surface of the Earth for transmissions from the satellite in the band 12.7 - 12.75 GHz shall not exceed the limits specified in rule No. 21.16 of the ITU Radio Regulations.⁵

9. Pursuant to footnote US337 of the United States Table of Frequency Allocations, 47 CFR § 2.106, US337, any earth station in the United States and its possessions communicating with the NSS-6 space station in the 13.75-13.8 GHz (Earth-to-space) frequency band is required to coordinate through the National Telecommunications and Information Administration (NTIA) Interdepartment Radio Advisory Committee (IRAC) Frequency Assignment Subcommittee (FAS) to minimize interference to the National Aeronautics and Space Administration (NASA) Tracking and Data Relay Satellite System, including manned space flight.
10. Communications between U.S.-licensed earth stations and the NSS-6 space station in the 13.75-14.0 GHz (Earth-to-space) frequency band must comply with footnote US356 to the United States Table of Frequency Allocations, 47 CFR § 2.106, US356, which specifies a mandatory minimum antenna diameter of 4.5 meters and recommended minimum and maximum equivalent isotropically radiated powers (e.i.r.p.). Operations of any earth station located outside the United States and its possessions communicating with the NSS-6 space station in the 13.75-14.0 GHz (Earth-to-space) frequency band must be consistent with No. 5.502 of the ITU Radio Regulations, which specifies a mandatory minimum antenna diameter of 1.2 meters for earth stations of a geostationary satellite orbit network and specifies mandatory power limits. In the 13.75-14.0 GHz (Earth-to-space) frequency band, receiving space stations in the FSS must not claim protection from radiolocation transmitting stations operating in accordance with footnote US356 to the United States Table of Frequency Allocations, 47 CFR § 2.106, US356.
11. Communications between U.S.-licensed earth stations and the NSS-6 space station in the 13.77-13.78 GHz (Earth-to-space) frequency band must comply with footnote US357 to United States Table of Frequency Allocations, 47 CFR § 2.106, US357, which specifies that the maximum e.i.r.p. density of emissions not exceed 71 dBW in any 6 MHz band within the 13.77-13.78 GHz (Earth-to-space)

⁵ Article 21.16 of the International Radio Regulations imposes power flux density limits on FSS downlink transmissions in the 12.2-12.7 GHz band within Region 3 and 12.5-12.75 GHz band within Region 1 in order to protect terrestrial services. As SES's non-conforming downlink transmissions are also in a terrestrial service band, we impose these same power flux density limits on SES's downlink transmissions in the 12.7-12.75 GHz band in the United States.

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frequency band for communications with a space station in geostationary-satellite orbit. Operations of any earth station located outside the United States and its possessions communicating with the NSS-6 space station in the 13.77-13.78 GHz (Earth-to-space) frequency band must comply with No. 5.503 of the ITU Radio Regulations, which specifies a required maximum e.i.r.p. density of emissions (limit is dependent on antenna diameter) for communications with a space station in geostationary-satellite orbit.

12. Communications between U.S.-licensed earth stations and the NSS-6 space station in the 14.47-14.5 GHz (Earth-to-space) frequency band is subject to the terms of footnotes 5.149 and US342 to the United States Table of Frequency Allocations, 47 CFR §2.106, 5.149, US342, which urge applicants to take all practicable steps to protect the radio astronomy service from harmful interference. For assistance with coordination or information about RAS sites, please contact the NSF Spectrum Management Unit: esm@nsf.gov.
13. *Radio Astronomy*. The transmission of out-of-band signals into allocated radio astronomy bands can cause interference to radio astronomy observations. We also note that radio astronomy as a service frequently makes use of observations (passive) in bands not allocated to the radio astronomy service. This practice is a result of scientifically valuable signals being subject to the Doppler Effect and shifted in frequency outside radio astronomy-allocated bands. Although not a condition to this grant of market access, SES should be aware of these facts and contact the National Science Foundation Spectrum Management Unit (esm@nsf.gov) to assist with coordination and information on radio astronomy sites.
14. The operations of NSS-6 to and from the United States and associated earth stations must comport with the applicable uplink and downlink limits in 47 CFR § 25.140(a)(3) of the Commission's rules, unless SES coordinates any non-conforming operations with the operations of U.S.-licensed geostationary orbit space stations within 6 degrees of the 169.5° W.L. orbital location. SES must also comport with the maximum power limits indicated in its application. Non-conforming operations must also be coordinated with respect to those operations of non-U.S.-licensed space stations within 6 degrees of 169.5° W.L. involving approved communications with U.S.-licensed earth stations.
15. This grant of market access will terminate in the event that the NSS-6 space station is relocated from the 169.5° W.L. orbital location or ceases to operate. In either case, NSS-6 will be removed from the Permitted List and will no longer have market access to the U.S. If SES wishes to provide service to the U.S. using another space station, it must file a new application for market access to the U.S. in order to have that space station placed on the Permitted List.

Licensee/grantee is afforded thirty (30) days from the date of release of this action to decline the grant as conditioned. Failure to respond within this period will constitute formal acceptance of the grant as conditioned.

This action is taken pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 CFR § 0.261, and is effective upon release.

Station licenses are subject to the conditions specified in Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. § 309(h).

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Action Date:	August 11, 2020	
Term Dates	From: June 19, 2020	To: see conditions
Approved:	 John W. Whaley Acting Chief, Satellite Policy Branch	

9-16. Name of Contact Representative

Name:	Karis Hastings	Phone Number:	202-599-0975
Company:	SatCom Law LLC	Fax Number:	
Street:	1317 F Street, N.W. Suite 400	E-Mail:	karis@satcomlaw.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20004-
Attention:		Relationship:	Legal Counsel

CLASSIFICATION OF FILING

17. Choose the button next to the classification that applies to this filing for both questions a. and b. Choose only one for 17a and only one for 17b.

- ☐ a1. Earth Station
☒ a2. Space Station

- (N/A) b1. Application for License of New Station
 (N/A) b2. Application for Registration of New Domestic Receive-Only Station
☒ b3. Amendment to a Pending Application
☒ b4. Modification of License or Registration
 b5. Assignment of License or Registration
 b6. Transfer of Control of License or Registration
☒ b7. Notification of Minor Modification
 (N/A) b8. Application for License of New Receive-Only Station Using Non-U.S. Licensed Satellite
 (N/A) b9. Letter of Intent to Use Non-U.S. Licensed Satellite to Provide Service in the United States
 (N/A) b10. Other (Please specify)
 (N/A) b11. Application for Earth Station to Access a Non-U.S. satellite Not Currently Authorized to Provide the Proposed Service in the Proposed Frequencies in the United States
 (N/A) b12. Application for Database Entry
☒ b13. Amendment to a Pending Database Entry Application
☒ b14. Modification of Database Entry

17c. Is a fee submitted with this application? ☐ If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114). ☐ Governmental Entity ☐ Noncommercial educational licensee ☒ Other (please explain): Modification to Market Access	
17d. Fee Classification BFY – Space Station Modification (Geostationary)	
18. If this filing is in reference to an existing station, enter: (a) Call sign of station: S3048	19. If this filing is an amendment to a pending application enter both fields, if this filing is a modification please enter only the file number: (a) Date pending application was filed: (b) File number: SATPDR2019040300022

TYPE OF SERVICE

20. NATURE OF SERVICE: This filing is for an authorization to provide or use the following type(s) of service(s): Select all that apply:

- ☒ a. Fixed Satellite
- ☐ b. Mobile Satellite
- ☐ c. Radiodetermination Satellite
- ☐ d. Earth Exploration Satellite
- ☐ e. Direct to Home Fixed Satellite
- ☐ f. Digital Audio Radio Service
- ☐ g. Other (please specify)

21. STATUS: Choose the button next to the applicable status. Choose only one.

☒ Common Carrier ☒ Non-Common Carrier

22. If earth station applicant, check all that apply.

- ☐ Using U.S. licensed satellites
- ☐ Using Non-U.S. licensed satellites

23. If applicant is providing INTERNATIONAL COMMON CARRIER service, see instructions regarding Sec. 214 filings. Choose one. Are these facilities:

☒ Connected to a Public Switched Network ☐ Not connected to a Public Switched Network ☒ N/A

24. FREQUENCY BAND(S): Place an 'X' in the box(es) next to all applicable frequency band(s).

☐ a. C-Band (4/6 GHz) ☒ b. Ku-Band (12/14 GHz)

☒ c. Other (Please specify upper and lower frequencies in MHz.)

Frequency Lower: Frequency Upper: (Please specify additional frequencies in an attachment)

TYPE OF STATION

25. CLASS OF STATION: Choose the button next to the class of station that applies. Choose only one.

- ☒ a. Fixed Earth Station
- ☐ b. Temporary-Fixed Earth Station
- ☐ c. 12/14 GHz VSAT Network
- ☐ d. Mobile Earth Station
- ☒ e. Geostationary Space Station
- ☐ f. Non-Geostationary Space Station
- ☐ g. Other (please specify)

26. TYPE OF EARTH STATION FACILITY:

- ☒ Transmit/Receive
- ☐ Transmit-Only
- ☐ Receive-Only
- ☒ N/A

"For Space Station applications, select N/A."

PURPOSE OF MODIFICATION

27. The purpose of this proposed modification is to: (Place an 'X' in the box(es) next to all that apply.)

- ☐ a — authorization to add new emission designator and related service
- ☐ b — authorization to change emission designator and related service
- ☐ c — authorization to increase EIRP and EIRP density
- ☐ d — authorization to replace antenna
- ☐ e — authorization to add antenna
- ☐ f — authorization to relocate fixed station
- ☐ g — authorization to change frequency(ies)
- ☐ h — authorization to add frequency
- ☐ i — authorization to add Points of Communication (satellites & countries)
- ☐ j — authorization to change Points of Communication (satellites & countries)
- ☐ k — authorization for facilities for which environmental assessment and radiation hazard reporting is required
- ☐ l — authorization to change orbit location
- ☐ m — authorization to perform fleet management
- ☐ n — authorization to extend milestones
- ☒ o — Other (Please specify)

ENVIRONMENTAL POLICY

28. Would a Commission grant of any proposal in this application or amendment have a significant environmental impact as defined by 47 CFR 1.1307? If YES, submit the statement as required by Sections 1.1308 and 1.1311 of the Commission's rules, 47 C.F.R. 1.1308 and 1.1311, as an exhibit to this application. A Radiation Hazard Study must accompany all applications for new transmitting facilities, major modifications, or major amendments.

☒ Yes ☐ No

ALIEN OWNERSHIP Earth station applicants not proposing to provide broadcast, common carrier, aeronautical en route or aeronautical fixed radio station services are not required to respond to Items 30–34.

29. Is the applicant a foreign government or the representative of any foreign government?

☐ Yes ☒ No

30. Is the applicant an alien or the representative of an alien?

☐ Yes ☒ No ☐ N/A

31. Is the applicant a corporation organized under the laws of any foreign government?

☒ Yes ☐ No ☐ N/A

32. Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?

☒ Yes ☐ No ☐ N/A

33. Is the applicant a corporation directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	☒ Yes ☐ No ☐ N/A
34. If any answer to questions 29, 30, 31, 32 and/or 33 is Yes, attach as an exhibit an identification of the aliens or foreign entities, their nationality, their relationship to the applicant, and the percentage of stock they own or vote.	

BASIC QUALIFICATIONS

35. Does the Applicant request any waivers or exemptions from any of the Commission's Rules? If Yes, attach as an exhibit, copies of the requests for waivers or exceptions with supporting documents.	☐ Yes ☒ No
36. Has the applicant or any party to this application or amendment had any FCC station authorization or license revoked or had any application for an initial, modification or renewal of FCC station authorization, license, or construction permit denied by the Commission? If Yes, attach as an exhibit, an explanation of circumstances.	☐ Yes ☒ No

☐ Yes ☒ No

37. Has the applicant, or any party to this application or amendment, or any party directly or indirectly controlling the applicant ever been convicted of a felony by any state or federal court? If Yes, attach as an exhibit, an explanation of circumstances.

☐ Yes ☒ No

38. Has any court finally adjudged the applicant, or any person directly or indirectly controlling the applicant, guilty of unlawfully monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement or any other means or unfair methods of competition? If Yes, attach as an exhibit, an explanation of circumstances

☐ Yes ☒ No

39. Is the applicant, or any person directly or indirectly controlling the applicant, currently a party in any pending matter referred to in the preceding two items? If yes, attach as an exhibit, an explanation of the circumstances.

40. If the applicant is a corporation and is applying for a space station license, attach as an exhibit the names, address, and citizenship of those stockholders owning a record and/or voting 10 percent or more of the Filer's voting stock and the percentages so held. In the case of fiduciary control, indicate the beneficiary(ies) or class of beneficiaries. Also list the names and addresses of the officers and directors of the Filer.

Exhibit A

41. By checking Yes, the undersigned certifies, that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application" for these purposes.	Yes ☒ No ☐
42a. Does the applicant intend to use a non-U.S. licensed satellite to provide service in the United States? If Yes, answer 42b and attach an exhibit providing the information specified in 47 C.F.R. 25.137, as appropriate. If No, proceed to question 43.	Yes ☒ No ☐
42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued, what administration has coordinated or is in the process of coordinating the space station? The Netherlands	
43. Description. (Summarize the nature of the application and the services to be provided). (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.) New Skies Satellites B.V. respectfully requests a modification of its authority to use the NSS-6 Ku-band fixed-satellite space station to serve the U.S. market from 169.5 W.L. to reflect a minor 0.3 degree change in orientation of one of the satellite's beams. Narrative	

43a. Geographic Service Rule Certification

By selecting A, the undersigned certifies that the applicant is not subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25.

☒ A

By selecting B, the undersigned certifies that the applicant is subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25 and will comply with such requirements.

☐ B

By selecting C, the undersigned certifies that the applicant is subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25 and will not comply with such requirements because it is not feasible as a technical matter to do so, or that, while technically feasible, such services would require so many compromises in satellite design and operation as to make it economically unreasonable. A narrative description and technical analysis demonstrating this claim are attached.

☐ C

CERTIFICATION

The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. The applicant certifies that grant of this application would not cause the applicant to be in violation of the spectrum aggregation limit in 47 CFR Part 20. All statements made in exhibits are a material part hereof and are incorporated herein as if set out in full in this application. The undersigned, individually and for the applicant, hereby certifies that all statements made in this application and in all attached exhibits are true, complete and correct to the best of his or her knowledge and belief, and are made in good faith.

44. Applicant is a (an): (Choose the button next to applicable response.)

- ☐ Individual
☐ Unincorporated Association
☐ Partnership
☐ Corporation
☐ Governmental Entity
☒ Other (please specify)

45. Name of Person Signing
Petra A. Vorwig
—>

46. Title of Person Signing
Vice President, Legal & Regulatory Affairs

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT
(U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION
(U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to PRA@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

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THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.