



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. SAT-00165

Wednesday September 24, 2003

POLICY BRANCH INFORMATION

Satellite Space Applications Accepted for Filing

The applications listed below have been found, upon initial review, to be acceptable for filing. The Commission reserves the right to return any of the applications if, upon further examination, it is determined the application is not in conformance with the Commission's rules or its policies. Consideration of each satellite application in this Public Notice may depend on the Commission's action on another satellite application earlier in the queue. Petitions, oppositions and other pleadings filed in response to this notice should conform to Section 25.154 of the Commission's rules, unless otherwise noted. 47 C.F.R. § 25.154.

SAT-LOA-20030827-00170 E S2483 EchoStar Satellite Corporation
Date Filed: 08/27/2003 00:00:02:06000
Launch and Operating Authority

EchoStar Satellite Corporation has filed an application to construct, launch and operate a fixed-satellite service satellite using the 10.95-11.2 GHz, 11.45-11.7 GHz, and 13.75-14.0 GHz frequency bands at the 109° WL orbital location. The satellite will use 32 transponders each of 27 MHz usable bandwidth, with full frequency reuse of the 500 MHz downlink frequencies and full and spatial reuse of the 250 MHz uplink frequencies. EchoStar proposes to provide one-way direct-to-home satellite and other fixed satellite services to the 48 contiguous States, Alaska, Hawaii, Puerto Rico and the U.S. Virgin Islands, as well as to other parts of North and Central America and the Caribbean, including Canada and Mexico. Services will be offered on a non-common carrier basis. The TT&C frequencies will be at the edges of the extended Ku-frequency bands.

EchoStar requests a waiver of 47 C.F.R. Sec. 25.210(e) to the extent required to permit operation of the proposed extended Ku-band payloads by way of circular polarization. EchoStar states that it does not need to request a waiver of footnote NG104 to the Table of Frequency Allocations, 47 C.F.R. Sec. 2.106, for extended Ku-band frequencies to provide domestic service since its proposed satellite should qualify as "international systems."

SAT-LOA-20030827-00177 E S2490 EchoStar Satellite Corporation
Date Filed: 08/27/2003 00:00:03:10300
Launch and Operating Authority

EchoStar Satellite Corporation has filed an application to construct, launch and operate a fixed-satellite service satellite using the 18.3-18.8 GHz, 19.7-20.2 GHz, 28.35-28.6 GHz, 29.25-30.0 GHz frequency bands at the 123° WL orbital location. The satellite will utilize 64 active transponders using eight 115 MHz channels across 1000 MHz of the Ka-band spectrum in each direction. The transponders will operate with multiple contiguous spot beams across North America to provide broadband two-way services to small user terminals located in the United States, Canada and Mexico. Services will be offered on a non-common carrier basis. The TT&C frequencies will be in the Ka-bands.

SAT-LOA-20030827-00179 E S2492 EchoStar Satellite Corporation

Date Filed: 08/27/2003 00:00:04:58600

Launch and Operating Authority

EchoStar Satellite Corporation has filed an application to construct, launch and operate a fixed-satellite service satellite using the 10.7-10.75 GHz, 11.2-11.202 GHz, 11.302-11.45 GHz, 12.75-12.751 GHz, 12.851-13.0 GHz, 13.15-13.2 GHz frequency bands at the 101° WL orbital location. In a separate action, EchoStar's request to operate this satellite in the 11.202-11.302 GHz and 12.751-12.851 GHz frequency bands is being dismissed because another entity holds a license for a satellite at 101° W.L. that operate on the same spectrum.

The satellite will have 18 transponders each of 27 MHz usable bandwidth, with full frequency reuse of up to 300 MHz of spectrum on both the uplink and downlink paths. Proposed services will primarily be direct-to-home satellite service to large numbers of small receive-only terminals located in the United States, Puerto Rico and the US Virgin Islands, as well as to other parts of North and Central America and the Caribbean, including Canada and Mexico. Services will be offered on a non-common carrier basis. The TT&C frequencies will be at the edges of the extended Ku-frequency bands.

EchoStar requests a waiver of 47 C.F.R. Sec. 25.210(e) to the extent required to permit operation of the proposed extended Ku-band payloads by way of circular polarization. EchoStar states that it does not need to request a waiver of footnote NG104 to the Table of Frequency Allocations, 47 C.F.R. Sec. 2.106, for extended Ku-band frequencies to provide domestic service since its proposed satellite should qualify as "international systems." EchoStar states it intends to provide protection to the Radio Astronomy Service in the adjacent 10.68-10.7 GHz band as required by footnote US211 of the U.S. Table of Frequency Allocations.

SAT-LOA-20030827-00180 E S2493 EchoStar Satellite Corporation

Date Filed: 08/27/2003 00:00:21:08000

Launch and Operating Authority

EchoStar Satellite Corporation has filed an application to construct, launch and operate a fixed-satellite service satellite using the 18.8-19.3 GHz and 28.6-29.1 GHz frequency bands at the 121° WL orbital location. The satellite will utilize 64 active transponders using four 115 MHz channels across 500 MHz of the Ka-band spectrum in each direction. The transponders will operate with multiple contiguous spot beams across North America to provide broadband two-way services to small user terminals located in CONUS, Hawaii, Alaska, Canada and Mexico. Services will be offered on a non-common carrier basis. The TT&C frequencies will be in the Ka-bands.

EchoStar requests a waiver of Section 2.106 of the Commission's rules, footnote NG165, in order to allow it to operate on a non-conforming, non-harmful interference basis in its proposed frequency bands, which are not allocated or designated domestically for primary GSO FSS.

SAT-LOA-20030827-00182 E S2495 EchoStar Satellite Corporation

Date Filed: 08/27/2003 00:00:37:51600

Launch and Operating Authority

EchoStar Satellite Corporation has filed an application to construct, launch and operate a fixed-satellite service satellite using the 18.8-19.3 GHz and 28.6-29.1 GHz frequency bands at the 83° WL orbital location. The satellite will utilize 64 active transponders using four 115 MHz channels across 500 MHz of the Ka-band spectrum in each direction. The transponders will operate with multiple contiguous spot beams across North America to provide broadband two-way services to small user terminals located in the United States, Canada and Mexico. Services will be offered on a non-common carrier basis. The TT&C frequencies will be in the Ka-bands.

EchoStar requests a waiver of Section 2.106 of the Commission's rules, footnote NG165, in order to allow it to operate on a non-conforming, non-harmful interference basis in its proposed frequency bands, which are not allocated or designated domestically for primary GSO FSS.

SAT-LOA-20030827-00185 E S2498 EchoStar Satellite Corporation

Date Filed: 08/27/2003 00:00:51:40600

Launch and Operating Authority

EchoStar Satellite Corporation has filed an application to construct, launch and operate a fixed-satellite service satellite using the 10.95-11.2 GHz, 11.45-11.7 GHz, 13.75-14.0 GHz, 18.8-19.3 GHz and 28.6-29.1 GHz frequency bands at the 113° WL orbital location. In the extended Ku-band, there will be 32 transponders each of 27 MHz usable bandwidth with full frequency reuse of the 500 MHz downlink frequencies and full frequency and spatial reuse of the 250 MHz uplink frequencies. The extended Ku-band transponders will operate using a broad coverage beam on the downlink, and with two small, geographically isolated spot beams on the uplink. In the Ka-band frequencies, the satellite will utilize 56 active transponders using four 115 MHz channel across 500 MHz of the Ka-band spectrum in each direction, using a high frequency reuse factor. The Ka-band transponders will operate with multiple contiguous spot beams across North America on both uplink and downlink, in order to provide broadband two-way services to small user terminals. The satellite will provide direct-to-home satellite and other fixed satellite services at extended Ku-band to the United States, Puerto Rico and the US Virgin Islands, as well as to other parts of North and Central America and the Caribbean, including Canada and Mexico. The two-way broadband services proposed for the Ka-band frequencies will be offered locations in the United States, Canada and Mexico. Services will be offered on a non-common carrier basis. The TT&C frequencies will be at the edges of the extended Ku-frequency bands.

EchoStar requests a waiver of Section 2.106 of the Commission's rules, footnote NG165, in order to allow it to operate on a non-conforming, non-harmful interference basis in its proposed frequency bands, which are not allocated or designated domestically for primary GSO FSS. In addition, EchoStar requests a waiver of 47 C.F.R. Sec. 25.210(e) to the extent required to permit operation of the proposed extended Ku-band payloads by way of circular polarization. EchoStar states that it does not need to request a waiver of footnote NG104 to the Table of Frequency Allocations, 47 C.F.R. Sec. 2.106, for extended Ku-band frequencies to provide domestic service since its proposed satellite should qualify as "international systems."

SAT-LOA-20030827-00186 E S2499 EchoStar Satellite Corporation
Date Filed: 08/27/2003 00:00:52:22000
Launch and Operating Authority

EchoStar Satellite Corporation has filed an application to construct, launch and operate a fixed-satellite service satellite using the 18.3-18.8 GHz, 19.7-20.2 GHz, 28.35-28.6 GHz, and 29.25-30.0 GHz frequency bands at the 81° WL orbital location. The satellite will utilize 64 active transponders using eight 115 MHz channels across 1000 MHz of the Ka-band spectrum in each direction. The transponders will operate with multiple contiguous spot beams across North America to provide broadband two-way services to small user terminals located in the United States, Canada and Mexico. Services will be offered on a non-common carrier basis. The TT&C frequencies will be in the Ka-bands.

SAT-LOA-20030827-00187 E S2500 EchoStar Satellite Corporation
Date Filed: 08/27/2003 00:00:51:86000
Launch and Operating Authority

EchoStar Satellite Corporation has filed an application to construct, launch and operate a fixed-satellite service satellite using the 10.95-11.2 GHz, 11.45-11.7 GHz, 13.75-14.0 GHz, 18.8-19.3 GHz and 28.6-29.1 GHz frequency bands at the 105° WL orbital location. In the extended Ku-band, there will be 32 transponders each of 27 MHz usable bandwidth with full frequency reuse of the 500 MHz downlink frequencies and full frequency and spatial reuse of the 250 MHz uplink frequencies. The extended Ku-band transponders will operate using a broad coverage beam on the downlink, and with two small, geographically isolated spot beams on the uplink. In the Ka-band frequencies, the satellite will utilize 56 active transponders using four 115 MHz channel across 500 MHz of the Ka-band spectrum in each direction, using a high frequency reuse factor. The Ka-band transponders will operate with multiple contiguous spot beams across North America on both uplink and downlink, in order to provide broadband two-way services to small user terminals. The satellite will provide direct-to-home satellite and other fixed satellite services at extended Ku-band to the United States, Puerto Rico and the US Virgin Islands, as well as to other parts of North and Central America and the Caribbean, including Canada and Mexico. The two-way broadband services proposed for the Ka-band frequencies will be offered locations in the United States, Canada and Mexico. Services will be offered on a non-common carrier basis. The TT&C frequencies will be at the edges of the extended Ku-frequency bands.

EchoStar requests a waiver of Section 2.106 of the Commission's rules, footnote NG165, in order to allow it to operate on a non-conforming, non-harmful interference basis in its proposed frequency bands, which are not allocated or designated domestically for primary GSO FSS. In addition, EchoStar requests a waiver of 47 C.F.R. Sec. 25.210(e) to the extent required to permit operation of the proposed extended Ku-band payloads by way of circular polarization. EchoStar states that it does not need to request a waiver of footnote NG104 to the Table of Frequency Allocations, 47 C.F.R. Sec. 2.106, for extended Ku-band frequencies to provide domestic service since its proposed satellite should qualify as "international systems."

For more information concerning this Notice, contact the Satellite Division at 202-418-0719; TTY 202-418-2555.