Approved by OMB
3060−0678

Date & Time Filed: Apr 19 2011 5:27:19:006PM
File Number: SES−MFS−20110419−00467

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:
Modification of Call Sign E010241

1−8. Legal Name of Applicant

Name:	EchoStar Corporation	**Phone Number:**	202−293−0981
DBA Name:		**Fax Number:**	
Street:	100 Inverness Terrace East	**E−Mail:**	
City:	Englewood	**State:**	CO
Country:	USA	**Zipcode:**	80112 −
Attention:	Alison Minea		

9−16. Name of Contact Representative

Name:	Pantelis Michalopoulos	**Phone Number:**	202−429−6494
Company:	Steptoe & Johnson LLP	**Fax Number:**	
Street:	1330 Connecticut Ave. NW	**E−Mail:**	pmichalopoulos@steptoe.com
City:	Washington	**State:**	DC
Country:	USA	**Zipcode:**	20036−
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):

17d.

Fee Classification CGX − Fixed Satellite Transmit/Receive Earth Station

18. If this filing is in reference to an existing station, enter:	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) Call sign of station: E010241	(a) Date pending application was filed:	(b) File number: SESMOD2009122901629

SATELLITE EARTH STATION AUTHORIZATIONS
FCC Form 312 − Schedule B:(Technical and Operational Description)
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Location of Earth Station Site

E1: Site Identifier:	E5. Call Sign:
E2: Contact Name	E6. Phone Number:
E3. Street:	E7. City:
	E8. County:
E4. State	E9. Zip Code
E10. Area of Operation:	
E11. Latitude: ° ’ "	
E12. Longitude: ° ’ "	
E13. Lat/Lon Coordinates are:	○ NAD−27 ○ NAD−83 ○ N/A
E14. Site Elevation (AMSL):	meters

E15. If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer’s qualification measurement? If NO, provide as a technical analysis showing compliance with two−degree spacing policy.	○ Yes ○ No ○ N/A

E16. If the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS) with non−geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a2) and (b) as demonstrated by the manufacturer's qualification measurements?	○ Yes ○ No ○ N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	○ Yes ○ No

E18. Is frequency coordination required? If YES, attach a frequency coordination report as	○ Yes ○ No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	○ Yes ○ No
E20. FAA Notification − (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and/or the FAA's study regarding the potential hazard of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION.	○ Yes ○ No

POINTS OF COMMUNICATION

Satellite Name: If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

POINTS OF COMMUNICATION (Destination Points)

E25. Site Identifier:	

E26. Common Name: E27. Country:

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size<meters>	E41/42. Antenna Gain Transmint and/or Recieve (____dBi at _____GHz)	
Gilbert	GT4	1	Vertex	13 m LMA	13.2	62.6 dBi at 12	
Gilbert	GT4	1	Vertex	13 m LMA	13.2	65.3 dBi at 18	

E28. Antenna Id	E33/34. Diameter Minor/Major (meters)	E35. Above Ground Level (meters)	E36. Above Sea Level(meters)	E37. Building Height Above Ground Level (meters)	E38. Total Input Power at antenna flange (Watts)	E39. Maximum Antenna Height Above Rooftop (meters)	E40. Total EIRP for al carriers(dBW)
GT4	0.0/0.0	13.0	384.84	0.0	500.0	0.0	92.9

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization(H,V, L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
GT4	12200 12210	R	Left and Right Circular	800KG2D	0.0	0.0

E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)

Telemetry

GT4	12690 12700	R	Left and Right Circular	800KG2D	0.0	0.0

E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)

Telemetry

GT4	17300 17310	T	Left and Right Circular	800KG2D	74.3	51.3

E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)

Telecommand

GT4	17790 17800	T	Left and Right Circular	800KG2D	74.3	51.3

E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)

Telecommand

GT4	12200 12700	R	Left and Right Circular	24M0G7W	0.0	0.0

E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)

Digital Video and Data

GT4	17300 17800	T	Left and Right Circular	24M0G7W	87.4	49.6

E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)

Digital Video and Data

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc Eastern/Western Limit	E56. Earth Station Azimuth Angle Eastern Limit	E57. Antenna Elevation Angle Eastern Limit	E58. Earth Station Azimuth Angle Western Limit	E59. Antenna Elevation Angle Western Limit	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
GT4	Geostationary	12200 12700	83.0/140.0	135.0	40.4	224.3	40.8	0.0
	Geostationary	12200.35 12200.65	83.0/140.0	135.0	40.4	224.3	40.8	0.0
	Geostationary	12202.35 12202.65	83.0/140.0	135.0	40.4	224.3	40.8	0.0
	Geostationary	12698.35 12698.65	83.0/140.0	135.0	40.4	224.3	40.8	0.0
	Geostationary	17300 17800	83.0/140.0	135.0	40.4	224.3	40.8	−22.07
	Geostationary	17308.25 17309.75	83.0/140.0	135.0	40.4	224.3	40.8	−22.07

REMOTE CONTROL POINT LOCATION

E61. Call Sign NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.			E66. Phone Number
E62. Street Address			
E63. City	E68. County	E67/68. State/Country /	E64. Zip Code

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43. Description. (Summarize the nature of the application and the services to be provided).

EchoStar Corporation seeks to modify its authorization for its transmit/receive earth station to change and add points of communication, to correct erroneous geographical coordinates, to change an emission designator, to add frequencies and an emission designator for telemetry and telecommanding, and to change the site ID, antenna ID, and antenna model.