

SATELLITE EARTH STATION AUTHORIZATIONS
FCC Form 312 - Schedule B:(Technical and Operational Description)
FOR OFFICIAL USE ONLY

Location of Earth Station Site

E1: Site Identifier:	1	E5: Call Sign:	
E2: Contact Name:	PAUL BOSWORTH	E6: Phone Number:	404-381-2320
E3: Street:	2875 FORT CREEK CHURCH ROAD (ATLANTA TELEPORT)	E7: City:	ELLENWOOD
E4: State:	1c3d5cd7dbbd22008e0b75131f96193d	E8: County:	DEKALB
		E9: Zip Code:	30294
E10: Area of Operation:			
E11: Latitude:	33° 39' 53"		
E12: Longitude:	84° 16' 19"		
E13: Lat/Lon Coordinates are:	nad-83		
E14: Site Elevation (AMSL):	236		

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 a technical analysis showing compliance with two-degree spacing policy.	Yes
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(a) and (b) as demonstrated by the manufacturer's qualification measurement?	N/A
Is Frequency Coordination required?	No
Is coordination with another country required?	No
Is FAA notification required?	No

Is facility operated by remote control?	No
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POINTS OF COMMUNICATION

Satellite Name: All DirecTV DBS	
E21. Common Name: DIRECTV	E22. ITU Name: All DirecTV DBS
E23. Orbit Location: Various	E24. Country:

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size (meters)	E41/42. Antenna Gain Transmit and/or Recieve (dBi at GHz)
1	ATL-D27	1	VERTEX RSI	1130	11.3	undefined at 0

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 all carriers (dBW)
ATL-D27	0/0	13.3	249.3	0	500	0	91

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)
ATL-D27	17795 17795	T	null	1M00F7D	85	61.02

E50. Modulation and Services

TT&C

E28. Antenna Id	E43/44. Frequency Bands	E45. T/R Mode	E46. Antenna Polarization (H,V,L,R)	E47. Emission Designator	E48. Maximum EIRP per	E49. Maximum ERIP Density per Carrier
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	(MHz)				Carrier (dBW)	(dBW/4kHz)
ATL-D27	17300 17800	T	null	36M0G7W	80	40.4

E50. Modulation and Services

MPEG-2, DIGITAL VIDEO AND DATA, feederli

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)
ATL-D27	12200 12700	R	null	36M0G7W	0	0

E50. Modulation and Services

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)
ATL-D27	12696.5 12696.5	R	null	500KG7D	0	0

E50. Modulation and Services

TT&C

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)
ATL-D27	12695.5 12695.5	R	null	500KG7D	0	0

E50. Modulation and Services

TT&C

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 EIRP Density per Carrier (dBW/4kHz)
ATL-D27	17792.5 17792.5	T	null	1M00F7D	85	61.02
E50. Modulation and Services						
TT&C						

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc E/W Limit	E56. Earth Station Azimuth Angle Eastern/Western Limit	E57. Antenna Elevation Angle Eastern/Western Limit	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
ATL-D27	Geostationary	17795 17795	43 / 139	122.3 / 248.6	31.3 / 20.6	-6.93

ATL-D27Geostationary17300

1780043 / 139122.3 / 248.631.3 / 20.6-3.52ATL-D27Geostationary12200

1270043 / 139122.3 / 248.631.3 / 20.60ATL-D27Geostationary12696.5

12696.543 / 139122.3 / 248.631.3 / 20.60ATL-D27Geostationary12695.5

12695.543 / 139122.3 / 248.631.3 / 20.60ATL-D27Geostationary17792.5

17792.543 / 139122.3 / 248.631.3 / 20.6-6.93

REMOTE CONTROL POINT LOCATION

E61. Call Sign: undefined		E65. Phone Number: undefined	
E62. Street Address: undefined			
E63. City: undefined	E67. County: undefined	E64/68. State/Country: undefined / undefined	E66. Zip Code: undefined

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