

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:	CRBC	E5: Call Sign:	
E2: Contact Name:	STEVE BLACKSON	E6: Phone Number:	720-565-7190
E3: Street:	5454 Garton Rd.	E7: City:	Castle Rock
E4: State:	0f2d5cd7dbbd22008e0b75131f96190a	E8: County:	Douglas
		E9: Zip Code:	80104
E10: Area of Operation:			
E11: Latitude:	39° 16' 38.6"		
E12: Longitude:	104° 48' 25.4"		
E13: Lat/Lon Coordinates are:	nad-83		
E14: Site Elevation (AMSL):	2087.17		

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?	Yes
Is coordination with another country required?	No
Is FAA notification required?	No
Is facility operated by remote control?	No

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)
CRBC	A35/A36	2	Vertex RSI	1100KS	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)
A35/A36	0/0	12	2099.17	0	384	0	89.9

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)
A35/A36	12200 12700	R	null	1M00F2D	0	0

E50. Modulation and Services

Phase modulated satellite telemetry

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)
A35/A36	17300 17800	T	null	24M0G7F	87.4	49.6

E50. Modulation and Services

Feeder Link / QPSK Digital Television

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)
A35/A36	Geostationary	12200 12700	60 / 143	122.5 / 231.2	25.5 / 29.9	0

REMOTE CONTROL POINT LOCATION

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

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