## SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B:(Technical and Operational Description)

Location of Earth Station

E1. Site Identifier: Circuit Formula1	E5. Call Sign: Hol	E5. Call Sign: Hol 291		
E2. Contact Name:Marco Mohr	E6. Phone Number	E6. Phone Number:+31 6 53439035		
E3. Street: Name 9201 Circuit of the Ame	E7. City: Del Valle	E7. City: Del Valle		
		E8. County USA		
E4. State Texas		E9. Zip Code	78617	
E10. Area of Operation: Formula 1 circuit				
E11. Latitude: 30°,16",2'N				
E12. Longitude: 97,42,7W				
E13. Lat/Lon Coordinates are:	NAD-27	NAD-83 x	N/A	
E14. Site Elevation (AMSL): meters 3				

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
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?	N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	No
E18. Is frequency coordination required? If YES, attach a frequency coordination report as Exhibit D	No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	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.	No

## POINTS OF COMMUNICATION

Satellite Name:	
E21. Common Name:Intelsat 805 13/13	E22. ITU Name:
E23. Orbit Location:	E24. Country: USA

## POINTS OF COMMUNICATION (Destination Points)

E25. Site Identifier Circuit F1	
E26. Common Name:	E27. Country: USA

#### ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E 32. Antenna Size	E41/42. Antenna Gain Transmint and/or Recieve ( dBi at GHz)
Austin	Hol 291	1	Gigasat	FA 370	3,7	45.5 6Ghz
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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)
Hol 291	3,7	5,7	5,7	5,7	300	5,770	

# 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)		
Hol 291	6157	Т	Н	C band	70	70		
E50. Modulat	E50. Modulation and Services:							
E50. Modulation and Services:								
Dvbs2 8 psk television transmission								

# FREQUENCY COORDINATION

E28.	E51. Satellite	E52/53.	E54/55. Range	E56.	E57.	E58.	E59.	E60.
Antenna	Orbit Type	Frequency	of Satellite Arc	Earth	Antenna	Earth	Antenna	Maximum
Id		Limits	Eastern/Western	Station	Elevation	Station	Elevation	EIRP
		(MHz)	Limit	Azimuth	Angle	Azimuth	Angle	Density
				Angle	Eastern	Angle	Western	toward the
				Eastern	Limit	Western	Limit	Horizon
				Limit		Limit		(dBW/4kHz)
Hol	Geostationary	6157-	40.5W	0	0	90	90	40
291	5	3932						

# REMOTE CONTROL POINT LOCATION

E61. Call Sign			E66. Phone Number +31 6 53439035		
NOTE: Please enter the callsign of the control application is being filed.	olling station, not the ca	all sign for which this			
E62. Street Address9201 Circuit of the Americas Boulevard					
E63. CityAustin	E68. Texas	E67/68.	E64.78617		