

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

Location of Earth Station

E1. Site Identifier: Circuit of the Americas, Formula 1		E5. Call Sign: Hol 300	
E2. Contact Name:Gerben Vissers		E6. Phone Number:+31 6 10735667	
E3. Street: Name 9201 Circuit of the Americas Boulevard		E7. City: Austin, TX	
		E8. County USA	
E4. State Texas		E9. Zip Code 78617	
E10. Area of Operation: Formula 1 circuit			
E11. Latitude: 30°07` ,57`` °N			
E12. Longitude: 97°38` 27`` °W			
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: Galaxy 28	
E21. Common Name:Galaxy 28	E22. ITU Name:
E23. Orbit Location: 089 °W	E24. Country: USA

POINTS OF COMMUNICATION (Destination Points)

E25. Site Identifier: Circuit of the Americas, 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 300	1	Prodelin	1385	3,7m	52 dBi @14.25Ghz

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 300	3,7	2m	2m	5.7m	300	5,7	70

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 300	14275.5	T	V	27MOD7W	73	
E50. Modulation and Services:						
E50. Modulation and Services: NS3, 16APSK, 32/45 27 MHz carrier MPEG-4 HD video						

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)
Hol 300	Geostationary	5875-6425	+ - 90	90	°90	°90	°90	

REMOTE CONTROL POINT LOCATION

E61. Call Sign: N/A		E66. Phone Number	
NOTE: Please enter the callsign of the controlling station, not the call sign for which this application is being filed.		+31 6 10735667	
E62. Street Address: 9201 Circuit of the Americas Boulevard			
E63. City: Austin	E68. Texas	E67/68.	E64. 78617