Approved by OMB
3060−0678

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Callsign/Satellite ID:

APPLICATION FOR EARTH STATION AUTHORIZATIONS 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:
License Application for C−band Receive−Only Earth Station and Ku−band Transmit Receive Earth Station in Las Vegas, NV

1−8. Legal Name of Applicant

Name:	City of Las Vegas	**Phone Number:**	702−229−2272
DBA Name:		**Fax Number:**	
Street:	221 N. Las Vegas Blvd	**E−Mail:**	dmastroluca@lasvegasnevada.gov
City:	Las Vegas	**State:**	NV
Country:	USA	**Zipcode:**	89010 −
Attention:	Mr Dan Mastroluca		

9−16. Name of Contact Representative

Name:	City of Las Vegas	**Phone Number:**	702−229−2272
Company:		**Fax Number:**	
Street:	221 N. Las Vegas Blvd	**E−Mail:**	dmastroluca@lasvegasnevada.gov
City:	Las Vegas	**State:**	NV
Country:	USA	**Zipcode:**	89010−
Attention:		**Relationship:**	

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 GainTransmint and/or Recieve (____dBi at _____GHz)
Las Vegas	C1	1	DH Satellite	3.7M	3.7	42.3 dBi at 3.950
	K1		ASC Signal			51.6 dBi at 11.950
						52.9 dBi at 14.250

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)
C1	0.0/0.0	75.9	703.2	71.6	0.0	4.3	0.0
K1	0.0/0.0	75.9	703.2	71.6	100.0	4.3	72.9

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)
C1	3700.0 4200.0	R	Horizontal and Vertical	36M0G7W	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 Audio						
K1	11700.0 12200.0	R	Horizontal and Vertical	2M00G7W	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 Audio						
K1	11700.0 12200.0	R	Horizontal and Vertical	36M0G7W	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 Audio

K1	14000.0 14500.0	T	Horizontal and Vertical	2M00G7W	65.9	38.9

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 Audio

K1	14000.0 14500.0	T	Horizontal and Vertical	36M0G7W	72.9	33.4

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 Audio

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 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)**
C1	Geostationary	3700.0 4200.0	60.0/ 143.0	112.3	19.3	221.8	38.8	0.0
K1	Geostationary	11700.0 12200.0	60.0/ 143.0	112.3	19.3	221.8	38.8	0.0
	Geostationary	14000.0 14500.0	60.0/ 143.0	112.3	19.3	221.8	38.8	−14.2

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.		E65. Phone Number	
E62. Street Address			
E63. City	E67. County	E64/68. State/Country /	E66. Zip Code

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