Approved by OMB
3060−0678

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FCC APPLICATION FOR SPACE AND EARTH STATION:MOD OR AMD − MAIN FORM 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 Modification

1−8. Legal Name of Applicant

Name:	Arizona Board of Regents for Arizona State University	**Phone Number:**	602−496−1774 x1774
DBA Name:		**Fax Number:**	602−496−7041
Street:	555 North Central Ave Suite # 302	**E−Mail:**	Jim.Dove@asu.edu
City:	Phoenix	**State:**	AZ
Country:	USA	**Zipcode:**	85004 −1248
Attention:	Mr James Dove		

9−16. Name of Contact Representative

Name:	Christopher G. Tygh	**Phone Number:**	202−662−5671
Company:	Covington & Burling LLP	**Fax Number:**	202−778−5671
Street:	1201 Pennsylvania Avenue, NW	**E−Mail:**	ctygh@cov.com
City:	Washington	**State:**	DC
Country:	USA	**Zipcode:**	20004−2401
Attention:	Christopher G. Tygh	**Relationship:**	Legal Counsel

CLASSIFICATION OF FILING

17. Choose the button next to the classification that applies to this filing for both questions a. and b. Choose only one for 17a and only one for 17b. ◉ a1. Earth Station ○ a2. Space Station	(N/A) b1. Application for License of New Station (N/A) b2. Application for Registration of New Domestic Receive−Only Station ○ b3. Amendment to a Pending Application ◉ b4. Modification of License or Registration b5. Assignment of License or Registration b6. Transfer of Control of License or Registration ○ b7. Notification of Minor Modification (N/A) b8. Application for License of New Receive−Only Station Using Non−U.S. Licensed Satellite (N/A) b9. Letter of Intent to Use Non−U.S. Licensed Satellite to Provide Service in the United States (N/A) b10. Other (Please specify) (N/A) b11. Application for Earth Station to Access a Non−U.S.satellite Not Currently Authorized to Provide the Proposed Service in the Proposed Frequencies in the United States (N/A) b12. Application for Database Entry ○ b13. Amendment to a Pending Database Entry Application ○ b14. Modification of Database Entry

SATELLITE EARTH STATION AUTHORIZATIONS
FCC Form 312 − Schedule B:(Technical and Operational Description)
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Location of Earth Station Site

E1: Site Identifier:	E5. Call Sign:
E2: Contact Name	E6. Phone Number:
E3. Street:	E7. City:
	E8. County:
E4. State	E9. Zip Code
E10. Area of Operation:	
E11. Latitude: ° ’ "	
E12. Longitude: ° ’ "	
E13. Lat/Lon Coordinates are:	○ NAD−27 ○ NAD−83 ○ N/A
E14. Site Elevation (AMSL):	meters

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 Gain Transmint and/or Recieve (____dBi at _____GHz)	
1	1	1	Andrew	ES73MPJK−1	3.7	52.0 dBi at 12.0000	
1	1	1	Andrew	ES73MPJK−1	3.7	52.7 dBi at 14.0000	

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)
1	0.0/0.0	29.57	388.07	29.57	224.0	0.0	77.8

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)

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.)

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)
1	Non−Geostationary	11700 12200	67.0/145.0	119.0	29.9	228.0	39.0	0.0
	Non−Geostationary	14000 14500	67.0/145.0	119.0	29.9	228.0	39.0	0.0

REMOTE CONTROL POINT LOCATION

E61. Call Sign
KAET
NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.

E66. Phone Number
602−496−1774

E62. Street Address
555 N. Central Avenue

E63. City Phoeniz	E68. County Maricopa	E67/68. State/Country AZ/ USA	E64. Zip Code 84004

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