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May 21, 2021

VIA ELECTRONIC FILING
Marlene H. Dortch
Secretary
Federal Communications Commission
45 L Street, NE
Washington, DC 20554

Re: Astro Digital US, Inc.
IBFS File No. SES-STA-20210408-00620

Dear Ms. Dortch:

Pursuant to discussions with International Bureau staff, Astro Digital US, Inc., through its counsel, attaches the Schedule B information for the Santa Clara earth station associated with the above-referenced application. The information provided is from the Schedule B filed in the license application proceeding for that earth station question, *i.e.*, IBFS File Nos. SES-LIC-20171017-01179, SES-AMD-20171227-01389.

Please feel free to contact the undersigned if you have any questions.

Very truly yours,

/s/Tony Lin

Tony Lin
Counsel to Astro Digital, US Inc.

Attachment

cc: Trang Nguyen

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:	T&C Operations Site	E5. Call Sign:	E170192
E2: Contact Name	Jan A. King	E6. Phone Number:	650−919−4032
E3. Street:	3171 Jay St.	E7. City:	Santa Clara
		E8. County:	Santa Clara
E4. State	CA	E9. Zip Code	95054
E10. Area of Operation:		Western United States	
E11. Latitude:	37 °22 ’48.0 "N		
E12. Longitude:	121 °57 ’40.0 "W		
E13. Lat/Lon Coordinates are:		○ NAD−27	◉ NAD−83 ○ N/A
E14. Site Elevation (AMSL):		10.0 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:OTHER | OTHER | If you selected OTHER, please enter the following:	
E21. Common Name: Landmapper	E22. ITU Name:
E23. Orbit Location: NGSO	E24. Country: USA

POINTS OF COMMUNICATION (Destination Points)

E25. Site Identifier: T&C Operations Site	

E26. Common Name:Landmapper	E27. Country: USA

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)	
T&C Operations Site	UHF CMD	1	M2 Antenna Systems, Inc.	402CP42	2.7	24.0 dBi at . 4026	
T&C Operations Site	UHF CMD	1	M2 Antenna Systems, Inc.	402CP42	2.7	24.0 dBi at . 4029	
T&C Operations Site	UHF THM	1	M2 Antenna Systems, Inc.	402CP42	2.7	23.5 dBi at . 4005	
T&C Operations Site	UHF THM	1	M2 Antenna Systems, Inc.	402CP42	2.7	23.5 dBi at . 400175	

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)
UHF CMD	2.7/3.8	13.0	23.3	4.3	50.0	8.6	41.0
UHF THM	2.7/3.8	13.0	23.3	4.3	0.0	8.6	0.0

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)

UHF CMD	402.580 402.620	T	Right Hand Circular	40K0F1D	41.0	−5.0

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.)

38.4 kbps GFSK Command Link

UHF CMD	402.880 402.920	T	Right Hand Circular	40K0F1D	41.0	−5.0

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.)

38.4 kbps GFSK Command Link

UHF THM	400.155 400.195	R	Right Hand Circular	40K0F1D	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.)

38.4 kbps GFSK Telemetry Link

UHF THM	400.480 400.520	R	Right Hand Circular	40K0F1D	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.)

38.4 kbps GFSK Telemetry Link

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)**
UHF CMD	Non−Geostationary	402.580 402.620	90.0/270.0	180.0	5.0	360.0	5.0	1.98
	Non−Geostationary	402.880 402.920	90.0/27.0	180.0	5.0	360.0	5.0	1.98
UHF THM	Non−Geostationary	400.155 400.195	90.0/270.0	180.0	5.0	360.0	5.0	0.0
	Non−Geostationary	400.480 400.520	90.0/270.0	180.0	5.0	360.0	5.0	0.0

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.		E66. Phone Number	
E62. Street Address			
E63. City	E68. County	E67/68. State/Country /	E64. Zip Code

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