FCC 312 Schedule B		FEDERAL CO	MMUNICATIONS (	COMMISSION	N		Page 1: Location			
APPLICATION FOR SATELLITE SPACE AND EARTH STATION AUTHORIZATIONS										
<b>Technical and Operational Description)</b> (Place an "X" in one of the blocks below)										
License of New Station Registration of new Domestic Amendment to a Pending Application Modification of License/Registration Notification of Minor Modification Receive-Only Station										
B1. Location of Earth Station Site. If temporary-fixed, mobile, or VSAT remote facility, specify area of operation and point of contact. If VSAT hub station, give its location For VSAT networks attach individual Schedule B, Page 1 sheets for each hub station and each remote station. Individually provide the Location, Points of Communications, and Destination Points for each hub and remote station.										
B1a. Station Call Sign	B1b. Site identifier (HUB, R	EMOTE1, etc.)	B1c. Telephone Number (650) 966 - 2330	)	B1j. Geographic Coordina Deg Min S		B1k. Lat./Lon. Coordinates are:			
B1d. Mailing Street Address of	Station or Area of Operation	B1e. Name of Con	· · · · ·		Lat 37º 23' 20	60" N	NAD-27			
2305 Mission Colle	2305 Mission College Boulevard       Lee Campbell       Lat. 37°       23'       26.9"       N       NAD-27         Lon. 121°       58'       0.1"       W       NAD-83									
B1f. City Santa Clara	B1g. County Santa Cla	ra	B1h. State CA	B1i. Zip Code 95054	B11. Site E	levation (AMSL)	7.6 meters			
<b>B2. Points of Communications:</b> List the names and orbit locations of all satellites with which this earth station will communicate. The entry "ALSAT" is sufficient to identify the names and locations of all satellite facilities licensed by the U.S. All non-U.S. licensed satellites must be listed individually.										
	Satellite Name and Orbit Location       Satellite Name and Orbit Location       Satellite Name and Orbit Location									
ALSAT										
<b>B3.</b> Destination points for communications using non-U.S. licensed satellites. For each non-U.S. licensed satellite facility identified in section B2 above, specify the destination point(s) (countries) where the services will be provided by this earth station via each non-U.S. license satellite system. Use additional sheets as needed.										
Satellite Name	List o	f Destination Points								
B4. Earth Station Antenna Facilities: Use additional pages as needed.										
(a) Site ID*	(b) Antenna ID**	(c) Quantity	(d) Manufacturer	(e) Model	(f) Antenna (mete	a Size	(g) Antenna Gain Transmit and/or Receive (dBi atGHz)			
Santa Clara	Santa Clara AC1		Andrew Corp.	ES46	4.0	-	44.4 dBi at 3.950 GHz 48.2 dBi at 6.175 GHz			

## FEDERAL COMMUNICATIONS COMMISSION

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

### B5. Antenna Heights and Maximum Power Limits: (The corresponding Antenna ID in tables B4 and B5 applies to the same antenna)

		Maximum Antenna Height		(e) Building	(f) Maximum	(g) Total Input	
(a)	(b) Antenna Structure	(c) Above	(d) Above	Height Above	Antenna Height	Power at	(h) Total EIRP
Antenna	Registration No.	Ground Level	Mean Sea Level	Ground Level	Above Rooftop	antenna flange	for all carriers
ID**		(meters)	(meters)	(meters)***	(meters)***	(Watts)	(dBW)
AC1		12.5	20.1	7.6	4.9	105.0	68.4

#### **B6.** Frequency Coordination Limits: Use additional pages as needed.

(a) Antenna ID*	(b) Frequency Limits (MHz) 3700.0 – 4200.0	(c) Range of Satellite Arc Eastern Limit**	(d) Range of Satellite Arc Western Limit**	(e) Antenna Elevation Angle Eastern Limit	(f) Antenna Elevation Angle Western Limit	(g) Earth Station Azimuth Angle Eastern Limit	(h) Earth Station Azimuth Angle Western Limit	(i) Maximum EIRP Density toward the Horizon (dBW/4kHz)
ACT	3700.0 - 4200.0	50.0° W.L.	194.0° W.L.	5.6°	5.5°	101.2°	258.9°	
AC1	5925.0 – 5930.0	50.0° W.L.	194.0° W.L.	5.6°	5.5°	101.2°	258.9°	2.3
AC1	6019.7 – 6038.6	50.0° W.L.	194.0° W.L.	5.6°	5.5°	101.2°	258.9°	2.3
AC1	6089.0 – 6110.5	50.0° W.L.	194.0° W.L.	5.6°	5.5°	101.2°	258.9°	2.3
AC1	6135.7 – 6182.1	50.0° W.L.	194.0° W.L.	5.6°	5.5°	101.2°	258.9°	2.3
AC1	6212.4 – 6241.4	50.0° W.L.	194.0° W.L.	5.6°	5.5°	101.2°	258.9°	2.3
AC1	6271.7 - 6360.0	50.0° W.L.	194.0° W.L.	5.6°	5.5°	101.2°	258.9°	2.3
AC1	6390.3 - 6425.0	50.0° W.L.	194.0° W.L.	5.6°	5.5°	101.2°	258.9°	2.3

Notes: \* Provide the ANTENNA-ID from table B4 to identify the antenna to which each frequency band and orbital arc range is associated.

\*\* If operating with geostationary satellites, give the orbital arc limits and the associated elevation and azimuth angles. If operating with non-geostationary satellites, give the notation "NON-GEO" for the satellite arc and give the minimum operational elevation angle and the maximum azimuth angle range.

### FEDERAL COMMUNICATIONS COMMISSION APPLICATION FOR SATELLITE SPACE AND EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B: (Technical and Operational Description)

### B7. Particulars of Operation (Full particulars are required for each r.f. carrier): Use additional pages as needed.

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(a) Antenna ID*	(b) Frequency Limits (MHz)	(c) T/R Mode **	(d) Antenna Polarization (H,V,L,R)	(e) Emission Designator	(f) Maximum EIRP per Carrier (dBW)	(g) Maximum EIRP Density per Carrier (dBW/4kHz)	(h) Description of Modulation and Services
AC1	3700.0 - 4200.0	R	H,V,L,R	15K0G7D			Digital Data
		R	H,V,L,R	5M00G7D			Digital Data
AC1	5925.0 - 5930.0	Т	H,V,L,R	15K0G7D -	43.0 to	37.3 to	Digital Data
		Т	H,V,L,R	4M80G7D	68.1	37.3	Digital Data
	6019.7 – 6038.6	Т	H,V,L,R	15K0G7D -	43.0 to	37.3 to	Digital Data
		Т	H,V,L,R	5M00G7D	68.3	37.3	Digital Data
	6089.0 - 6110.5	Т	H,V,L,R	15K0G7D -	43.0 to	37.3 to	Digital Data
		Т	H,V,L,R	5M00G7D	68.3	37.3	Digital Data
	6135.7 – 6182.1	Т	H,V,L,R	15K0G7D -	43.0 to	37.3 to	Digital Data
		Т	H,V,L,R	5M00G7D	68.3	37.3	Digital Data
	6212.4 – 6241.4	Т	H,V,L,R	15K0G7D -	43.0 to	37.3 to	Digital Data
		Т	H,V,L,R	5M00G7D	68.3	37.3	Digital Data
	6271.7 – 6360.0	Т	H,V,L,R	15K0G7D -	43.0 to	37.3 to	Digital Data
		Т	H,V,L,R	5M00G7D	68.3	37.3	Digital Data
	6390.3 - 6425.0	Т	H,V,L,R	15K0G7D -	43.0 to	37.3 to	Digital Data
		Т	H,V,L,R	5M00G7D	68.3	37.3	Digital Data

Notes: \* Provide the ANTENNA-ID from table B4 to identify the antenna to which each frequency band and emission is associated. For VSAT networks, include frequencies and emissions for all HUB and REMOTE units.

\*\* Indicate whether the earth station transmits or receives in each frequency band.

# FEDERAL COMMUNICATIONS COMMISSION APPLICATION FOR SATELLITE SPACE AND EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B: (Technical and Operational Description)

If VSAT Network, provide the SITE-ID (Item B1b) of the station that B8-B13 are in response to (HUB, REMOTE1, etc.):

B8. If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with geostationary satellites, do(es) the proposed antenna(s)       □       YES       □       NO         B9. If the proposed antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurements? If NO, provide as an exhibit, a technical analysis showing compliance with two-degree spacing policy.       □       YES       □       NO         B9. 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(a) and (b) as demonstrated by the manufacturer's qualification measurement?       NO         B10. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.       YES       NO         B10a. Street Address	comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification       YES       NO         B9. 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 measurement?       YES       NO         B10. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.       YES       NO         B10. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.       B10.2 Steef Address       NO         B10. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.       B10.2 Steef Address       NO         B10. Is the facility operated by remote control? If YES, attach a frequency coordination report as an exhibit.       B10.2 Steef Address       B10.2 Steef Address       NO         B10.1 Is frequency coordination required? If YES, attach a frequency coordination report as an exhibit.       YES       NO         B11. Is frequency coordination contours as an exhibit.       YES       NO         B12. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as an exhibit.       YES       NO         B13. FAA Notification - (See 47 CFT P										
(FSS) with non-gcostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in        YES       NO         Section 25.209(a2) and (b) as demonstrated by the manufacturer's qualification measurement?       YES       NO         B10. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.       YES       NO         Remote Control Point Location:       YES       NO         B10a. Street Address       B10c. County       B10d. State/Country       B10e. Zip Code         B10f. Telephone Number       B10g. Call Sign of Control Station (if appropriate)       NO         B11. Is frequency coordination required? If YES, attach a frequency coordination report as an exhibit.       YES       NO         B12. Is coordination with another country required? If YES, attach the name of the country(ies)	(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 measurement?       IVES       NO         B10. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.       YES       NO         Remote Control Point Location:       B10a. Street Address       NO         B10b. City       B10c. County       B10c. County       B10e. Zip Code         B10f. Telephone Number       B10g. Call Sign of Control Station (if appropriate)       NO         B11. Is frequency coordination required? If YES, attach a frequency coordination report as an exhibit.       YES       NO         B12. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as an exhibit.       YES       NO         B13. FAA Notification - (See 47 CFT Part 17and 47 CFT 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?       YES       NO	co me	comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification <b>YES NO</b> measurements? If NO, provide as an exhibit, a technical analysis showing compliance with two-degree spacing policy.								
Section 25.209(a2) and (b) as demonstrated by the manufacturer's qualification measurement?       Image: Control Point Control Point Location:         B10. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.       Image: YES       Image: NO         Remote Control Point Location:       B10a. Street Address       Image: B10a. Street Address       Image: B10a. Street Address         B10b. City       B10c. County       B10d. State/Country       B10e. Zip Code       Image: Street Point P	Section 25.209(a2) and (b) as demonstrated by the manufacturer's qualification measurement?       Image: Control Point Location:         B10. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.       Image: YES       NO         Remote Control Point Location:       B10a. Street Address       Image: B10b. City       B10c. County       B10d. State/Country       B10e. Zip Code         B10f. Telephone Number       B10g. Call Sign of Control Station (if appropriate)       Image: Street Address       Image: Street Address         B11. Is frequency coordination required? If YES, attach a frequency coordination report as an exhibit.       Image: Street Address       Image: Street Address         B12. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as an exhibit.       Image: YES       Image: NO         B13. FAA Notification - (See 47 CFT Part 17and 47 CFT Part 25.113(c))       YES       Image: NO       Image: YES       Image: NO         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?       Image: YES       Image: NO		B9. If the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service								
B10. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.   YES   NO   Remote Control Point Location:   B10a. Street Address   B10b. City   B10c. County   B10c. County   B10g. Call Sign of Control Station (if appropriate)   B11. Is frequency coordination required? If YES, attach a frequency coordination report as an exhibit.   YES   B12. Is coordination with another country required? If YES, attach the name of the country(ies)	B10. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.       Image: VES image: NO         Remote Control Point Location:       B10a. Street Address       Image: NO         B10b. City       B10c. County       B10d. State/Country       B10e. Zip Code         B10f. Telephone Number       B10g. Call Sign of Control Station (if appropriate)       B10e. Zip Code         B11. Is frequency coordination required? If YES, attach a frequency coordination report as an exhibit.       Image: VES image: NO         B12. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as an exhibit.       Image: VES image: NO         B13. FAA Notification - (See 47 CFT Part 17and 47 CFT 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?       Image: VES image: NO				YES						
Remote Control Point Location:       YES       NO         Bl0a. Street Address       Bl0b. City       Bl0c. County       Bl0d. State/Country       Bl0e. Zip Code         Bl0f. Telephone Number       Bl0g. Call Sign of Control Station (if appropriate)       Bl0e. Zip Code       Bl11. Is frequency coordination required? If YES, attach a frequency coordination report as an exhibit.       YES       NO         Bl12. Is coordination with another country required? If YES, attach the name of the country(ies)       —       —       —	Remote Control Point Location:       YES       NO         Bloa. Street Address       Blob. City       Bloc. County       Blod. State/Country       Bloe. Zip Code         Blob. City       Bloc. County       Blog. Call Sign of Control Station (if appropriate)       Bloe. Zip Code         Blot. Telephone Number       Blog. Call Sign of Control Station (if appropriate)       NO         Bl1. Is frequency coordination required? If YES, attach a frequency coordination report as an exhibit.       YES       NO         Bl2. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as an exhibit.       YES       NO         Bl3. FAA Notification - (See 47 CFT Part 17and 47 CFT 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?       YES       NO					rol point.					
B10a. Street Address       B10c. County       B10c. County       B10e. Zip Code         B10b. City       B10c. County       B10e. Zip Code         B10f. Telephone Number       B10g. Call Sign of Control Station (if appropriate)         B11. Is frequency coordination required? If YES, attach a frequency coordination report as an exhibit.       YES       NO         B12. Is coordination with another country required? If YES, attach the name of the country(ies)       —       —       —	B10a. Street Address         B10b. City       B10c. County       B10d. State/Country       B10e. Zip Code         B10f. Telephone Number       B10g. Call Sign of Control Station (if appropriate)       B10e. Zip Code         B11. Is frequency coordination required? If YES, attach a frequency coordination report as an exhibit.       YES       NO         B12. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as an exhibit.       YES       NO         B13. FAA Notification - (See 47 CFT Part 17and 47 CFT 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?       YES       NO					,		YES	🖂 NO		
B10a. Street Address       B10c. County       B10c. County       B10e. Zip Code         B10b. City       B10c. County       B10e. Zip Code         B10f. Telephone Number       B10g. Call Sign of Control Station (if appropriate)         B11. Is frequency coordination required? If YES, attach a frequency coordination report as an exhibit.       YES       NO         B12. Is coordination with another country required? If YES, attach the name of the country(ies)       —       —       —	B10a. Street Address         B10b. City       B10c. County       B10d. State/Country       B10e. Zip Code         B10f. Telephone Number       B10g. Call Sign of Control Station (if appropriate)       B10e. Zip Code         B11. Is frequency coordination required? If YES, attach a frequency coordination report as an exhibit.       YES       NO         B12. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as an exhibit.       YES       NO         B13. FAA Notification - (See 47 CFT Part 17and 47 CFT 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?       YES       NO		Domoto Control Point Location								
B10f. Telephone Number       B10g. Call Sign of Control Station (if appropriate)         B11. Is frequency coordination required? If YES, attach a frequency coordination report as an exhibit.       YES         B12. Is coordination with another country required? If YES, attach the name of the country(ies)       –	B10f. Telephone Number       B10g. Call Sign of Control Station (if appropriate)         B11. Is frequency coordination required? If YES, attach a frequency coordination report as an exhibit.       YES         B12. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as an exhibit.       YES         B13. FAA Notification - (See 47 CFT Part 17and 47 CFT 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?       YES										
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	and plot of coordination contours as an exhibit.       YES       NO         B13. FAA Notification - (See 47 CFT Part 17and 47 CFT Part 25.113(c))       Where FAA notification is required, have you attached a copy of a completed FCC Form 854       YES       NO         where FAA notification is required, have you attached a copy of a completed FCC Form 854       YES       NO		X YES INO								
and plot of coordination contours as an exhibit. YES XO	B13. FAA Notification - (See 47 CFT Part 17and 47 CFT Part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 YES NO and/or the FAA's study regarding the potential hazard of the structure to aviation?	B12. Is	B12. Is coordination with another country required? If YES, attach the name of the country(ies)								
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	Where FAA notification is required, have you attached a copy of a completed FCC Form 854 YES NO and/or the FAA's study regarding the potential hazard of the structure to aviation?										
	and/or the FAA's study regarding the potential hazard of the structure to aviation?										
$\square$											
	FAILURE TO COMPLY WITH 47 CFT PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION					ETURN OF THIS APPI	LICATIO	DN			