#### Exhibit A

							⊏XI	HIDIL A
FCC 312 Schedule B		SATELLIT	L COMMUNION E EARTH STA	TION AUTHOrational Description	ORIZATIONS ription)		Page	e 1: Location
License of New Station	Registration of New Do Receive-Only		(Place an "X" in one andment to a Pending	e of the blocks below) g Application	Modification of Lice	ense/Registra	tion Notification of M	inor Modification
B1. Location of Earth Sta	For VSAT net	works attach indi-	vidual Schedule B	3. Page 1 sheets fo	of operation and por each hub station ich hub and remote	and each re	act. If VSAT hub station, emote station. Individuall	give its location. y provide the
B1a. Station Call Sign	B1b. Site Identifier (HUB, R		,	B1c. Telephone Number 202-944-7301			aphic Coordinates N/S, Deg Min Sec E/W	B1k. Lat./Lon. Coordinates are:
B1d. Street Address of Station or A	area of Operation		Ble. Name of Conta	ct Person		Lat. 13	8	NAD-27
22401 Juniper Flats F	Road		Guillermo C	abezas		Lon. 11	7	× NAD-83
B1f. City Nuevo		B1g. County Riverside		B1h. State	B1i. □ip Code 92567	_	B1l. Site Elevation (AMSL) 561.75	meters
<b>B2. Points of Communica</b>	tions: List the names an identify the name	d orbit locations of and locations of	of all satellites wit all satellite facilit	h which this earth	n station will comme U.S. All non-U.	nunicate. T S. licensed	The entry "ALSAT" is suff satellites must be listed in	icient to dividually.
Satellite Name and Orbi	it Location	Satellite	e Name and Orbi	it Location	5	Satellite Na	me and Orbit Location	
Galaxy 28	8 at 89 W.L.							
B3. Destination points for	communications using	non-U.S. license destination poi satellite system	d satellites. For ent(s) (countries) vol. Use additional	each non-U.S. lice where the services sheets as needed.	ensed satellite faci will be provided	lity identific by this earth	ed in section B2 above, spon station via each non-U.S	ecify the . licensed
Satellite Name	List of Destin	ation Points						
	<del>-  </del>							

### FEDERAL COMMUNICATIONS COMMISSION SATELLITE EARTH STATION AUTHORIZATIONS

FCC Form 312 - Schedule B: (Technical and Operational Description)

B4. Earth Station Antenna Facilities: Use additional pages as needed.

(a) Site ID□	(b) Antenna ID	(c) Quantity	(d) Manufacturer	(e) Model	(f) Antenna Size (meters)	(g) Antenna Gain Transmit and/or Receive (□□□□dBi at □□□□GHz)
1	1	1	General Dynamics	9.2m KaFMA	9.2	65.4 dBi @ 28.35 GHz 62.7 dBi @ 18.30 GHz

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

(a) Antenna ID□	(b) Antenna Structure Registration No.	Maximum Ar (c) Above Ground Level (meters)	ntenna Height (d) Above Mean Sea Level (meters)	(e) Building Height Above Ground Level (meters)	(f) Maximum Antenna Height Above Rooftop (meters)	(g) Total Input Power at antenna flange (Watts)	(h) Total EIRP for all carriers (dBW)
1		13.2	574.95			400	91.4

Notes:  $\Box$  If this is an application for a VSAT network, identify the site (Item B1b, Schedule B, Page 1) where each antenna is located. Also include this Site-ID on Schedule B, Page 5.

<sup>□</sup> Identify each antenna in VSAT network or multi-antenna station with a unique identifier, such as HUB, REMOTE1, A1, A2, 10M, 12M, 7M, etc. Use this same antenna ID throughout tables B4, B5, B6, and B7 when referring to the same antenna.

Attach sketch of site or exemption, See 47 CFR Part 17.

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

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

(a) Antenna ID*	(b) Frequency Limits (MHz)	(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

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

<sup>\*\*</sup> 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 SATELLITE 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.

(a) Antenna ID*	(b) Frequency Bands (MHz)	(c) T/R Mode **	(d) Antenna Polarization (H,V,L,R)	(e) Emission Designator	(f) Maximum EIRP per Carrier (dBW)		(h) Description of Modulation and Services
1	29500-30000	Т	H,V.L.R	20KG9D	69.2	62.19	Test Carrier
2	19700-20200	R	H,V,L,R	20KG9D			Test Carrier

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.

#### **Page 5: Questions**

# FEDERAL COMMUNICATIONS COMMISSION SATELLITE 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 <b>geostationary</b> 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 measurements? If NO, provide as an exhibit, a technical analysis showing compliance with two-degree spacing policy.	<b>X</b> 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 <b>non-geostationary</b> 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					
B10. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.  Remote Control Point Location:	YES	<b>X</b> NO					
B10a. Street Address							
B10b. City  B10c. County  B10d. State / Country	B10e. Zip Co	de					
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	<b>X</b> 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.							
B13. 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.							