

FCC 312
Schedule B

FEDERAL COMMUNICATIONS COMMISSION
APPLICATION FOR SATELLITE SPACE AND EARTH STATION AUTHORIZATIONS
Technical and Operational Description)

(Place an "X" in one of the blocks below)

- STA REQUEST
 Registration of new Domestic Receive-Only Station
 Amendment to a Pending Application
 Modification of License/Registration
 Notification of Minor Modification

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.

SAME AS IN LICENSE

B2. Points of Communications: 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
All authorized US Domestic (ALSAT) Satellites		
Intelsat 11 (IS-11) @ 43 W.L.		
Intelsat 9 (IS-9) @ 58 W.L		
Intelsat 14 (IS_14) @ 45 W.L		
Intelsat 1R (IS-1R) @ 50 W.L		
Intelsat 707 (IS-707) @ 53 W.L		

B3. 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 of Destination Points

**FEDERAL COMMUNICATIONS COMMISSION
APPLICATION FOR SATELLITE SPACE AND 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)
SAME AS IN CURRENT LICENSE						

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 Antenna Height		(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)
		(c) Above Ground Level (meters)	(d) Above Mean Sea Level (meters)				
SAME AS IN CURRENT LICENSE							

- Notes: * 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.
 ** 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
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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)
ADD THE FOLLOWING TO INFORMATION IN LICENSE								
AK-10	10950-11200	40° W	123° W	29.0	33.2	119.6	235.3	0.0
AK-10	11450-11700	40° W	123° W	29.0	33.2	119.6	235.3	0.0
AK-10	11700-12200	40° W	123° W	29.0	33.2	119.6	235.3	0.0
AK-10	12500-12750	40° W	123° W	29.0	33.2	119.6	235.3	0.0
AK-10	12750-13250	40° W	123° W	29.0	33.2	119.6	235.3	-3.24
AK-10	14000-14500	40° W	123° W	29.0	33.2	119.6	235.3	-24.24
AK-10	13750-13770	40° W	123° W	29.0	33.2	119.6	235.3	-7.24
AK-10	13780-14000	40° W	123° W	29.0	33.2	119.6	235.3	-7.24

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.

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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.

(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
ADD THE FOLLOWING TO INFORMATION IN LICENSE							
AK-10	10950-11200	R	H,V,L,R	64K0G7W	0.0	0.0	Digital video and data
AK-10	10950-11200	R	H,V,L,R	72M0G7W	0.0	0.0	Digital video and data
AK-10	11450-11700	R	H,V,L,R	64K0G7W	0.0	0.0	Digital video and data
AK-10	11450-11700	R	H,V,L,R	72M0G7W	0.0	0.0	Digital video and data
AK-10	11700-12200	R	H,V,L,R	72M0G7W	0.0	0.0	Digital video and data
AK-10	12200-12750	R	H,V,L,R	64K0G7W	0.0	0.0	Digital video and data
AK-10	12200-12750	R	H,V,L,R	72M0G7W	0.0	0.0	Digital video and data
AK-10	12750-13250	T	H,V,L,R	850KF2D	88.2	64.9	Command carrier
AK-10	12750-13250	T	H,V,L,R	64K0G7W	61.8	49.8	Digital video and data
AK-10	12750-13250	T	H,V,L,R	72M0G7W	89	46.4	Digital video and data
AK-10	14000-14500	T	H,V,L,R	850KF2D	88.2	64.9	Command carrier
AK-10	14000-14500	T	H,V,L,R	72M0G7W	89	46.4	Digital video and data
AK-10	13750-13770	T	H,V,L,R	850KF2D	68	44.7	Command carrier
AK-10	13750-13770	T	H,V,L,R	265KG7W	68	49.8	Digital video and data
AK-10	13750-13770	T	H,V,L,R	72M0G7W	84	44.5	Digital video and data
AK-10	13780-14000	T	H,V,L,R	850KF2D	68	44.7	Command carrier
AK-10	13780-14000	T	H,V,L,R	265KG7W	68	49.8	Digital video and data
AK-10	13780-14000	T	H,V,L,R	72M0G7W	84	44.5	Digital video and data
AK-10	10700-10.950	T	H,V,L,R	64K0G7W	0.0	0.0	Digital video and data
AK-10	10700-10.950	T	H,V,L,R	72M0G7W	0.0	0.0	Digital video and data
AK-10	11200-11450	T	H,V,L,R	64K0G7W	0.0	0.0	Digital video and data
AK-10	11200-11450	T	H,V,L,R	72M0G7W	0.0	0.0	Digital video and data

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

Form containing questions B8 through B13 regarding satellite service compliance, remote control, and FAA notification. Includes a sub-form for Remote Control Point Location with fields for address, city, county, state/country, zip code, telephone number, and call sign.