



**UNITED STATES OF AMERICA**  
**FEDERAL COMMUNICATIONS COMMISSION**  
**RADIO STATION AUTHORIZATION**  
*Current Authorization : FCC WEB Reproduction*  
 Unofficial Copy

**Name:** XABA RANCH, LLC

**Call Sign:** KA373  
**File Number:** SES-RWL-20101117-01445

**Authorization Type:** Renewal of License  
**Common Carrier:** **Grant Date:** 11/24/2010 **Expiration Date:** 01/14/2026

**Nature of Service:** Domestic Fixed Satellite Service  
 International Fixed Satellite Service

**Class of Station:** Fixed Earth Stations

**A) Site Location(s)**

#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	NAD	Special Provisions (Refer to Section H)
1)	1	5865 SILLS ROAD SALT CREEK (SCK 2A), COLUSA, CA	38° 56' 22.3" N	122° 8' 49.6" W	176.8	UNK	

Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209

Subject to the provisions of the Communications Act of 1934, The Communications Satellite Act of 1962, subsequent acts and treaties, and all present and future regulations made by this Commission, and further subject to the conditions and requirements set forth in this license, the grantee is authorized to construct, use and operate the radio facilities described below for radio communications for the term beginning Friday, January 14, 2011 (3 AM Eastern Standard Time) and ending Wednesday, January 14, 2026 (3 AM Eastern Standard Time). The required date of completion of construction and commencement of operation is 00/00/0000 (3 AM Eastern Standard Time). Grantee must file with the Commission a certification upon completion of construction and commencement of operation.

**B) Particulars of Operations**

The General Provision 1010 applies to all receiving frequency bands.  
 The General Provision 1900 applies to all transmitting frequency bands.  
 For the text of these provisions, refer to Section H.

#	Frequency	Polarization	Emission	Tx/Rx Mode	Max EIRP /Carrier	Max EIRP Density	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
1)	5850.0000 - 6425.0000	H,V,L,R	32M9G7W	T	83.00	49.00	1		
2)	5850.0000 - 6425.0000	H,V,L,R	70K4G7W-	T	83.00	49.00	1	IDR	
3)	5850.0000 - 6425.0000	H,V,L,R	54K6G7W	T	66.00	49.00	1	IBS	
4)	5850.0000 - 6425.0000	H,V,L,R	81K9G7W	T	64.00	49.00	1	IBS	
5)	5850.0000 - 6425.0000	H,V,L,R	35M9G7W	T	79.80	40.30	1	IDR	
6)	3625.0000 - 4200.0000	H,V,L,R	70K4G7W-	R			1		
7)	3625.0000 - 4200.0000	H,V,L,R	32M9G7W	R			1		
8)	3625.0000 - 4200.0000	H,V,L,R	54K6G7W	R			1		
9)	3625.0000 - 4200.0000	H,V,L,R	81K9G7W	R			1		
10)	3625.0000 - 4200.0000	H,V,L,R	35M9G7W	R			1		

**C) Frequency Coordination**

#	Frequency Limits(MHz)	Satellite Arc (Deg. Long.)		Elevation (Degrees)		Azimuth (Degrees)		Max EIRP Density toward Horizon (dBW/4kHz)	Associated Antenna(s)
		East Limit	West Limit	East Limit	West Limit	East Limit	West Limit		
1)	5850.0000 - 6425.0000	53.0W	-186.0W	7.0	-14.0	103.0	-253.0	3.2	1



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2)	3625.0000 - 4200.0000	53.0W-186.0W	7.0 - 14.0	103.0 - 253.0	0.0 1

**D) Point of Communications**

The following stations located in the Satellite orbits consistent with Sections B and C of this Entry:

- 1) 1 to New Skies Satellite, N.V. 513 @ 183.0 E.L. (Netherlands-licensed) (Non-U.S.-licensed)
- 2) 1 to INTELSAT POR @ 174.0 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 3) 1 to INTELSAT POR @ 180.0 E.L. (U.S.-licensed)
- 4) 1 to INTELSAT POR @ 176.0 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 5) 1 to Permitted Space Station List
- 6) 1 to PANAMSAT 9 @ 58.0 W.L. S2380 (U.S.-licensed domestic satellite)
- 7) 1 to TDRS-5 (@ 174.3 W.L.) satellite(s) of the COLUMBIA system. (U.S.-licensed)
- 8) 1 to INTELSAT AOR @ 307.0 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 9) 1 to INTELSAT 805 (S2404) @ 304.5 E.L. (U.S.-licensed)

**E) Antenna Facilites**

Site ID	Antenna ID	Units	Diameter (Meters)	Manufacturer	Model Number	Site Elevation	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
1	1	1	18.3	VERTEX	KPC-4	176.78	21.3 AGL/ 198.12 AMSL	

Max Gains(s):56.3 dBi @ 4.0000 GHz 60.0 dBi @ 6.0000 GHz

Maximum total input power at antenna flange (Watts) = 1200.0

Maximum aggregate output EIRP for all carriers (dBW)90.78

**F) Remote Control**

1	RD #3, BOX 49 CATAWISSA, COLUMBIA, PA, 17820- (717)799-1000	<b>Call Sign:</b>	KA373
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**G) Antenna Structure marking and lighting requirements:**

None unless otherwise specified under Special and General Provisions

**H) Special and General Provisions**

A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:

- 1010 Applicable to all receiving frequency bands. Emission designator indicates the maximum bandwidth of received signal at associated station(s). Maximum EIRP and maximum EIRP density are not applicable to receive operations.
- 1900 Applicable to all transmitting frequency bands. Authority is granted to transmit any number of RF carriers with the specified parameters on any discrete frequencies within associated band in accordance with the other terms and conditions of this authorization, subject to any additional limitations that may be required to avoid unacceptable levels of inter-satellite interference.



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### H) Special and General Provisions

- 2300 Authority is granted to operate this station by remote control provided that: (1) the parameters of the transmissions of this station monitored at the remote control point, and the operational functions sufficient to ensure that the operations of this station are in full compliance with the station authorization at all times; (2) upon detection by the grantee, or upon notification from the Commission, of a deviation of the operation of this station, transmissions shall be immediately suspended until the deviation is corrected, except that transmissions concerning the immediate safety of life or property may be conducted for the duration of such emergency; and (3) the grantee shall have available, at all times, the technical personnel necessary to perform the technical servicing and maintenance of this station expeditiously. See also Public Notice "The International Bureau Provides Guidance Concerning the Relocation of Earth Station Remote Control Points", DA 06-978 (rel. May 4, 2006).
- 2614 Licensee is authorized to provide fixed-satellite service excluding Direct-to-Home service, between the United States and countries listed in this underlying application. See DISCO II.
- 2641 The provision of purely domestic service via the INTELSAT satellites is prohibited.
- 2916 Transmitter(s) must be turned off during antenna maintenance to ensure compliance with the FCC-specified safety guidelines for human exposure to radiofrequency radiation in the region between the antenna feed and the reflector. Appropriate measures must also be taken to restrict access to other regions in which the earth station's power flux density levels exceed the specified guidelines.
- 3213 All existing transmitting facilities, operations and devices must be in compliance with RF by September 1, 2000 or, if not, file an Environmental Assessment (EA). See 47 CFR 1.1307 (b) (5).
- 3428 This authorization is not to be construed as including any uplink or downlink authority in other countries.
- 3465 This authorization is subject to the policies adopted in the Report and Order, "Amendment of the Commission's Regulatory Policies to allow Non-US-Licensed Space Stations to provide Domestic and International Satellite Services in the United States," IB Docket 96-111, FCC 97-399 (Released November 26, 1997). (DISCO II)
- 3821 Intermediate Data Rate (IDR) for cable restoration.
- 5011 The Licensee(s) shall maintain on file with the Commission a current list or plan of the precise frequencies in use at the station, specifying for each frequency the RF center frequency, polarization, emission designator, nominal EIRP (in dBW) and maximum EIRP density (in dBW/4kHz). This list or plan may be submitted either on a station-by-station basis or on a system-wide basis and shall be updated within seven (7) days of any changes in frequency usage at this station. The Licensee(s) need not notify the Commission of temporary usage of frequencies for periods of less than seven (7) days. However, the Licensee(s) shall maintain accurate station records of the times and particulars of such temporary frequency usage.
- 5012 The authority granted here is limited to the operation of the facilities described above and does not include any authority to install and operate channelizing equipment or any other authority under Section 214 of the Communications Act of 1934, as amended, to establish channels of communications.
- 5013 In the event of the failure of a satellite with which operations are authorized in Section D of this license, operations are authorized in conjunction with the authorized INTELSAT satellite in the affected Ocean Region that provides the services authorized herein in order to maintain the continuity of commercial service; provided that the licensee(s) immediately notify the Commission of the nature of this emergency and its expected duration; and provided that the operational limits of elevation angle and azimuth range specified in Section C of this license are not exceeded. In the event that such emergency operations require emissions not specified in Section B of this license, such emissions may be utilized provided that the EIRP's of such emissions do not exceed the limits set forth in this license.
- 5014 With respect to potential co-channel interference to or from terrestrial microwave radio stations, the transmit and receive frequency bands listed in this license have been cleared for transmissions to and from satellites located in the geostationary or non-geostationary orbit for the emissions designated in Section B of this license.
- 5015 Upon completion of construction, each licensee must file with the Commission a certification including the following information: name of the licensee, file number of the application, call sign of the antenna, date of the license and certification that the facility as authorized has been completed, that each antenna facility has been tested and is within 2 dB of the pattern specified in Section 25.209 and that the station is operational including the date of commencement of service and will remain operational during the license period unless the license is submitted for cancellation.



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### H) Special and General Provisions

- 5018 This license shall be forfeited automatically if this station is not ready for operation within the time specified unless, prior to the expiration date of this license, the Commission receives an Application for Additional Time to Construct a Radio Station (FCC Form 701) filed by the Licensee(s) showing good cause why the Licensee(s) could not complete construction on time.
- 5023 The extended C-band frequencies 5850-5925 MHz and 3625-3700 MHz have been cleared with the National Telecommunications & Information Administration. These frequency bands are for INTELSAT use only.
- 5030 The extended C-band frequencies 5850-5925 MHz and 3625-3700 MHz have been cleared with the National Telecommunications & Information Administration. These frequency bands are for New Skies Satellite N.V. 513 @ 183 E.L., 703 @ 57 E.L., 803 @ 338.5 E.L., and 806 @ 319.5 E.L. use only.
- 5202 Use of this facility to provide international service on a common carrier basis will require appropriate authorization under Section 214 of the Communication Act of 1934, as amended.
- 5215 All operations shall be on a common carrier basis.
- 5240 All operations via the INTELSAT satellites are limited to the countries excluding the restricted countries listed in Comsat's international tariff provisions for the space components of authorized services in Section B..
- 5306 The earth stations listed in Comsat's international tariff provisions for the space segment components of digital under sea cable restoration service.
- 5525 This authorization is issued pursuant to the Commission's Report and Order released January 22, 1996 (FCC 96-14), Disco I.
- 5630 International services shall be consistent with this emission designator, the underlying title III application(s) and the acquisition of any necessary Section 214 authority.
- 5715 These transmitters are shared with co-located earth stations KA371 and KA372.
- 5723 All communications shall be in accordance with the satellites and services which have completed any necessary technical consultations under Article XIV (d) of the INTELSAT Agreement and which the Commission has approved.
- 5738 This authorization is subject to the conditions and terms set forth in the Commissions Order and Authorization, FCC 99 -210, released August 6, 1999, and Memorandum Opinion and Order, FCC 01-107, released March 29, 2001, and New Skies Satellites N.V., Petition for Declaratory Ruling, Order, DA 01-513 (Int'l Bureau, Satellite and Radiocommunication Division, released Mar. 29, 2001)



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## H) Special and General Provisions

B) This RADIO STATION AUTHORIZATION is granted subject to the additional conditions specified below:

This authorization is issued on the grantee's representation that the statements contained in the application are true and that the undertakings described will be carried out in good faith.

This authorization shall not be construed in any manner as a finding by the Commission on the question of marking or lighting of the antenna system should future conditions require. The grantee expressly agrees to install such marking or lighting as the Commission may require under the provisions of Section 303(q) of the Communications Act. 47 U.S.C. § 303(q).

Neither this authorization nor the right granted by this authorization shall be assigned or otherwise transferred to any person, firm, company or corporation without the written consent of the Commission. This authorization is subject to the right of use or control by the government of the United States conferred by Section 706 of the Communications Act. 47 U.S.C. § 706. Operation of this station is governed by Part 25 of the Commission's Rules. 47 C.F.R. Part 25.

This authorization shall not vest in the licensee any right to operate this station nor any right in the use of the designated frequencies beyond the term of this license, nor in any other manner than authorized herein.

This authorization is issued on the grantee's representation that the station is in compliance with environmental requirements set forth in Section 1.1307 of the Commission's Rules. 47 C.F.R. § 1.1307.

This authorization is issued on the grantee's representation that the station is in compliance with the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission's Rules. 47 C.F.R. § 17.4.

The following condition applies when this authorization permits construction of or modifies the construction permit of a radio station.

This authorization shall be automatically forfeited if the station does not meet each required construction deadline by the required date of completion unless, before such date(s), a specific application is timely filed to request an extension of the construction deadline(s), supported with good cause why that failure to construct by the required date was due to factors not under control of the grantee.

**Licensees are required to pay annual regulatory fees related to this authorization. The requirement to collect annual regulatory fees from regulates is contained in Public Law 103-66, "The Omnibus Budget Reconciliation Act of 1993". These regulatory fees, which are likely to change each fiscal year, are used to offset costs associated with the Commission's enforcement, public service, international and policy and rulemaking activities. The Commission issues a Report and Order each year, setting the new regulatory fee rates. Receive only earth stations are exempt from payment of regulatory fees.**