

## **RADIO STATION AUTHORIZATION**

Name: ITC (				Call Sign:		20190520 00704
Non Commo	n Type: Renewal of License n Carrier Grant date:	05/31/2018	Expiration Date:	05/21/2033	SES-KWL	-20180520-00704
						SNOI *
Nature of Serv	vice: Fixed Satellite Service			N.	之祖 御	A SS
Class of Statio	on: Fixed Earth Stations				A COMM	ISSION
A) Site Loc	cation(s)				. WILLES	
# Site ID	Address	Latitud	e Longitude	Elevati e (Mete		Special Provisions (Refer to Section H)
1) 1	5901 EARHARD EXPRESSWAY NEW ORLEANS, JEFFERSON,	29°58'13 LA	.0"N 90°12'12	.0"W 9.	1 83	

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 May 21, 2018 (3 AM Eastern Standard Time) and ending May 21, 2033 (3 AM Eastern Standard Time). The required date of completion of construction and commencement of operation is 00/00/0000. Grantee must file with the Commission a certification upon completion of construction and commencement of operation.

#### **B)** Particulars of Operations

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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.

	· · · · · · · · · · · · · · · · · · ·				Max EIRP	Max EIRP Density		Special Provisions		
#	Frequency (MHz)	Polarizatio Code	n Emission	Tx/Rx Mode	/Carrier (dBW)	/Carrier (dBW/4kHz)	Associated Antenna	(Refer to Section H)	Modulation/ Services	
1) 14000	.0000-14500.0000	H,V	1M36G7W	$\mathbf{T}\mathbf{x}$	51.92	26.59	1		DIGITAL	
2) 14000	.0000-14500.0000	H,V	1M36G7W	$\mathbf{T}\mathbf{x}$	51.92	26.59	1		DIGITAL	
3) 14000	.0000-14500.0000	H,V	1M47G7W	$\mathbf{T}\mathbf{x}$	52.26	26.59	1		DIGITAL	
4) 14000	.0000-14500.0000	H,V	1M67G7W	$\mathbf{T}\mathbf{x}$	52.79	26.59	1		DIGITAL	
5) 14000	.0000-14500.0000	H,V	1M96G7W	$\mathbf{T}\mathbf{x}$	55.20	28.30	1		DIGITAL	
6) 14000	.0000-14500.0000	H,V	2M04G7W	$\mathbf{T}\mathbf{x}$	53.68	26.59	1		DIGITAL	
7) 14000	.0000-14500.0000	H,V	2M16G7W	$\mathbf{T}\mathbf{x}$	53.92	26.59	1		DIGITAL	
8) 14000	.0000-14500.0000	H,V	31M2G7W	$\mathbf{T}\mathbf{x}$	67.20	28.27	1		DIGITAL	
9) 14000	.0000-14500.0000	H,V	42K7G7W	Tx	46.50	36.22	1		DIGITAL	



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Grant date: 05/31/2018

**Expiration Date:** 

File Number: SES-RWL-20180520-00704 05/21/2033

Call Sign: E920639

#### **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.

For the text of these provision	ns, refer to Section	H.		Max	Max EIRP		Special		
Frequency # (MHz)	Polarizati Code	ion Emission	Tx/Rx Mode	EIRP /Carrier (dBW)	Density /Carrier (dBW/4kHz)	Associated Antenna	Provisions (Refer to Section H)	Modulation/ Services	
10) 11700.0000-12200.	0000 H,V	128KG1W	Rx			1		DIGITAL	
11) 11700.0000-12200.	0000 H,V	171KG7W	Rx			1		DIGITAL	
12) 11700.0000-12200.	0000 H,V	1M96G7W	Rx			1		DIGITAL	
13) 11700.0000-12200.	0000 H,V	31M2G7W	Rx			1		DIGITAL	
14) 11700.0000-12200.	0000 H,V	341KG7W	Rx			1		DIGITAL	
15) 11700.0000-12200.	0000 H,V	42K7G7W	Rx			1		DIGITAL	
16) 11700.0000-12200.	0000 H,V	532KG7W	Rx			1		DIGITAL	
17) 11700.0000-12200.	0000 H,V	64K0G1W	Rx			1		DIGITAL	
18) 11700.0000-12200.	0000 H,V	85K0G7W	Rx			1		DIGITAL	
19) 14000.0000-14500.	0000 H,V	1M36G7W	$\mathbf{T}\mathbf{x}$	51.92	26.59	6.5A&B		DIGITAL	
20) 14000.0000-14500.	0000 H,V	1M47G7W	Tx	52.26	26.59	6.5A&B		DIGITAL	
21) 14000.0000-14500.	0000 H,V	1M67G7W	$\mathbf{T}\mathbf{x}$	52.79	26.59	6.5A&B		DIGITAL	
22) 14000.0000-14500.	0000 H,V	1M96G7W	$\mathbf{T}\mathbf{x}$	55.20	28.30	6.5A&B		DIGITAL	
23) 14000.0000-14500.0	0000 H,V	2M04G7W	Tx	53.68	26.59	6.5A&B		DIGITAL	
24) 14000.0000-14500.0	0000 H,V	2M16G7W	Tx	53.92	26.59	6.5A&B		DIGITAL	
25) 14000.0000-14500.0	0000 H,V	31M2G7W	Tx	67.20	28.27	6.5A&B		DIGITAL	
26) 14000.0000-14500.0	0000 H,V	42K7G7W	$\mathbf{T}\mathbf{x}$	46.50	36.22	6.5A&B		DIGITAL	
27) 11700.0000-12200.0	0000 H,V	128KG1W	Rx			6.5A&B		DIGITAL	
28) 11700.0000-12200.0	0000 H,V	171KG7W	Rx			6.5A&B		DIGITAL	
29) 11700.0000-12200.0	0000 H,V	1M96G7W	Rx			6.5A&B		DIGITAL	
30) 11700.0000-12200.0	0000 H,V	31M2G7W	Rx			6.5A&B		DIGITAL	
31) 11700.0000-12200.0	0000 H,V	341KG7W	Rx			6.5A&B		DIGITAL	
32) 11700.0000-12200.0	0000 H,V	42K7G7W	Rx			6.5A&B		DIGITAL	
33) 11700.0000-12200.0	0000 H,V	532KG7W	Rx			6.5A&B		DIGITAL	



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### **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.

For the	For the text of these provisions, refer to Section Frequency Polarizat # (MHz) Code				Max EIRP /Carrier (dBW)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services	
34) 11	700.0000-12200.0000	H,V	64K0G1W	Rx		 6.5A&B		DIGITAL	
35)11	700.0000-12200.0000	H,V	85K0G7W	Rx		6.5A&B		DIGITAL	

### **C)** Frequency Coordination Limits

щ	Frequency Limits (MHz)	Satellite Arc (Deg. Long.) East West	Elevation (Degrees) East West	Azimuth (Degrees) East West	Max EIRP Density toward Horizon	Associated Antenna(s)
#	(MHZ)	Limit Limit	Limit Limit	Limit Limit	(dBW/4kHz)	Antenna(s)
1)	14000.0000-14500.0000	60.0W-128.0W	42.0-36.2	130.9-237.3	-39.12	1
2)	11700.0000-12200.0000	60.0W-128.0W	42.0-36.2	130.9-237.3		1
3)	14000.0000-14500.0000	60.0W-128.0W	42.0-36.2	130.9-237.3	-39.05	6.5A&B
4)	11700.0000-12200.0000	60.0W-128.0W	42.0-36.2	130.9-237.3		6.5A&B

#### **D)** Points of Communications

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

1) 1 to Permitted Space Station List

2) 1 to EUTELSAT 115WB (S2938) @ 114.9 degrees W.L. (formerly SATMEX 7) (Mexico-licensed)

3) 1 to Eutelsat 113WA (S2695) @ 113 degrees W.L. (formerly SATMEX 6) (Mexico-licensed)

4) 1 to AMC-6 (S2347) @ 83degrees W.L. (U.S.-licensed)

#### E) Antenna Facilities

	Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer	Model number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
1		1	1	5.6	ANDREW	ESA56-114B	9.1	7.6 AGL/ 9.1 AMSL	
	Maxim	-	power	at anten	12.0000 GHz na flange (Watts) all carriers (dBW	= 300.00	00 GHz		



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### E) Antenna Facilities

_	Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer	Model 1	number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
1		6.5A&B	2	6.5	ASC SIGNAL	ES	65-2	9.1	7.6 AGL/ 16.7 AMSL	
		total inpu	t power	at anten	11.7250 GHz na flange (Watts) all carriers (dBW		14.275 00.00 83.52	50 GHz		

#### F) Remote Control Point:

1

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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:
  - 4 --- Licensee must ensure that a current listing of the name, title, mailing address, email address, and telephone number of the responsible point of contact are on file at the FCC. Any changes must be filed electronically in the International Bureau Filing System (IBFS) in the "Other Filings" tab within 10 days of the change.
  - 6 --- Licensee must comply with the license modification and notification requirements of 47 CFR § 25.118 to change the coordinates of its authorized earth station.
  - 8 --- Licensee must notify the Commission when all earth stations operating under this authorization are no longer operational or when they have not been used to provide any service during any 6-month operation.
- 90398 --- Changes to previously authorized transmitting facilities, operations and devices regulated by the Commission that may have significant environmental impact, and are not excluded by §1.1306, require the preparation of an Environmental Assessment (EA) by the licensee. (See 47 C.F.R. §§1.1307, 1.1308 and 1.1311)
- 90399 --- The licensee shall, at all times, take all necessary measures to ensure that operation of this (these) authorized earth station(s) does not create potential exposure of humans to radiofrequency radiation in excess of the FCC exposure limits defined in 47 CFR §§ 1.1307(b) and 1.1310. Physical measures must be taken to ensure compliance with limits for both occupational/controlled exposure and for general population/uncontrolled exposure, as defined in these rule sections. Compliance can be accomplished in most cases by appropriate restrictions, such as fencing. Requirements for restrictions can be determined by predictions based on calculations, modeling, or by field measurements. The FCC's OET Bulletin 65 (available on-line at www.fcc.gov/oet/rfsafety) provides information on predicting exposure levels and on methods for ensuring compliance, including the use of warning and alerting signs and protective equipment for workers.



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 Non Common Carrier
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#### H) Special and General Provisions

- A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:
- 90405 --- Operations with PERMITTED LIST satellite must comply with §25.212 levels and operations above this levels must coordinate with satellite operators prior to operations.
- 900407 --- The Permitted Space Station List (Permitted List) is a list of all geostationary space stations providing fixed-satellite service pursuant to a Commission license or grant of U.S. market access. The Permitted List currently includes the following frequency bands per §25.103 and §25.115(k)(1):

3600-4200 MHz (space-to-Earth) 5850-6725 MHz (Earth-to-space) 10.95-11.2 GHz (space-to-Earth) 11.45-12.2 GHz (space-to-Earth) 13.75-14.5 GHz (Earth-to-space) 18.3-18.8 GHz (space-to-Earth) 19.7-20.2 GHz (space-to-Earth) 24.75-25.25 GHz (Earth-to-space) 28.35-28.6 GHz (Earth-to-space) 29.25-30.0 GHz (Earth-to-space). th stations with "Permitted List" de

Earth stations with "Permitted List" designated as a point of communication may access any space station on the Permitted List, provided the operations comply with the applicable "routine" uplink and downlink limits, are within the specific frequency bands authorized in the earth station license, have completed coordination with terrestrial stations pursuant to §25.203, and otherwise comply with all terms and conditions of both the earth station license and the space station grant.



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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 is not ready for operation by the required date of completion of construction unless an application for modification of authorization to request additional time to complete construction is filed by that date, together with a showing that failure to complete construction 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 regulatees 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.