



**UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION**

RADIO STATION REGISTRATION

Name: Antilles Wireless LLC
 Authorization Type: Registration
 Non Common Carrier

Call Sign: E181063
 File Number: SES-REG-20180620-01759
 Grant date: 03/08/2019 Expiration Date: 06/20/2033



Nature of Service: Fixed Satellite Service

Class of Station: Fixed Earth Stations

A) Site Location(s)

#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	Special Provisions NAD (Refer to Section H)
1)	1CITY	115 North Montana (Salton City Headend) Salton City, Imperial, CA 92275	33°18'21.8"N	115°55'52.2"W	-23	83
Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209						
2)	2Salton Sea	75 Brawley Ave (Salton Sea Headend) Salton Sea Beach, Imperial, CA 92274	33°22'27.0"N	116°1'28.0"W	-54	83
Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209						
3)	3Mecca	91200 2nd St (Mecca Headend) Mecca, Riverside, CA 92254	33°34'14.1"N	116°4'30.7"W	57	83
Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209						
4)	4Calipatria	125 E Date St (Calipatria Headend) Calipatria, Imperial, CA 92233	33°7'16.1"N	115°30'45.9"W	-56	83
Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209						
5)	5Borrego	2455 Stirrup Rd (Borrego Headend) Borrego Springs, San Diego, CA 92004	33°15'29.2"N	116°22'15.1"W	410	83
Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209						
6)	6Julian	3218 Pine Hills Crest Dr (Julian Headend) Julian, San Diego, CA 92036	33°2'54.4"N	116°37'42.7"W	1189	83
Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209						



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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 registrant is registered to operate the radio facilities described below for radio communications for the term beginning June 20, 2018 (3 AM Eastern Standard Time) and ending June 20, 2033 (3 AM Eastern Standard Time) . The required date of commencement of operation is 00/00/0000. Registrant must file with the Commission a certification upon 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 (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
1)	3700.0000-4200.0000	H, V	36MOG7D	Rx			1		Video
2)	3700.0000-4200.0000	H, V	36MOG7D	Rx			1		Video
3)	3700.0000-4200.0000	H, V	36MOG7D	Rx			1		Video
4)	3700.0000-4200.0000	H, V	36MOG7D	Rx			1		Video
5)	3700.0000-4200.0000	H, V	36MOG7D	Rx			1-CITY		Video
6)	3700.0000-4200.0000	H, V	36MOG7D	Rx			1-Salt Sea		Voice
7)	3700.0000-4200.0000	H, V	36MOG7D	Rx			2		Video
8)	3700.0000-4200.0000	H, V	36MOG7D	Rx			2		Video
9)	3700.0000-4200.0000	H, V	36MOG7D	Rx			2		Video
10)	3700.0000-4200.0000	H, V	36MOG7D	Rx			2		Video
11)	3700.0000-4200.0000	H, V	36MOG7D	Rx			2-CITY		Video
12)	3700.0000-4200.0000	H, V	36MOG7D	Rx			2-Salt Sea		Video
13)	3700.0000-4200.0000	H, V	36MOG7D	Rx			3		Video
14)	3700.0000-4200.0000	H, V	36MOG7D	Rx			3		Video
15)	3700.0000-4200.0000	H, V	36MOG7D	Rx			3		Video
16)	3700.0000-4200.0000	H, V	36MOG7D	Rx			3		Video
17)	3700.0000-4200.0000	H, V	36MOG7D	Rx			3-CITY		Video
18)	3700.0000-4200.0000	H, V	36MOG7D	Rx			3-Salt Sea		Video
19)	3700.0000-4200.0000	H, V	36MOG7D	Rx			4		Video



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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.

#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
20)	3700.0000-4200.0000	H, V	36MOG7D	Rx			4		Video
21)	3700.0000-4200.0000	H, V	36MOG7D	Rx			4		Video
22)	3700.0000-4200.0000	H, V	36MOG7D	Rx			4-CITY		Video
23)	3700.0000-4200.0000	H, V	36MOG7D	Rx			4-Salt Sea		Video
24)	3700.0000-4200.0000	H, V	36MOG7D	Rx			5		Video
25)	3700.0000-4200.0000	H, V	36MOG7D	Rx			5		Video
26)	3700.0000-4200.0000	H, V	36MOG7D	Rx			5		Video
27)	3700.0000-4200.0000	H, V	36MOG7D	Rx			5-CITY		Video
28)	3700.0000-4200.0000	H, V	36MOG7D	Rx			5-Salt Sea		Video
29)	3700.0000-4200.0000	H, V	36MOG7D	Rx			6		Video
30)	3700.0000-4200.0000	H, V	36MOG7D	Rx			6		Video
31)	3700.0000-4200.0000	H, V	36MOG7D	Rx			6-Salt Sea		Video
32)	3700.0000-4200.0000	H, V	36MOG7D	Rx			7		Video
33)	3700.0000-4200.0000	H, V	36MOG7D	Rx			8		Video

C) Frequency Coordination Limits

#	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)	3700.0000-4200.0000	50.0W	135.0W	11.4	46.2	103.8	212.1	0	1-CITY
2)	3700.0000-4200.0000	50.0W	135.0W	11.4	46.2	103.8	212.1	0	2-CITY
3)	3700.0000-4200.0000	50.0W	135.0W	11.4	46.2	103.8	212.1	0	3-CITY
4)	3700.0000-4200.0000	50.0W	135.0W	11.4	46.2	103.8	212.1	0	4-CITY
5)	3700.0000-4200.0000	50.0W	135.0W	11.4	46.2	103.8	212.1	0	5-CITY
6)	3700.0000-4200.0000	50.0W	135.0W	11.3	46.1	103.7	212.0	0	1-Salt Sea
7)	3700.0000-4200.0000	50.0W	135.0W	11.3	46.1	103.7	212.0	0	2-Salt Sea



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C) Frequency Coordination Limits

#	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		
8)	3700.0000-4200.0000	50.0W	135.0W	11.3	46.1	103.7	212.0	0	3-Salt Sea
9)	3700.0000-4200.0000	50.0W	135.0W	11.3	46.1	103.7	212.0	0	4-Salt Sea
10)	3700.0000-4200.0000	50.0W	135.0W	11.3	46.1	103.7	212.0	0	5-Salt Sea
11)	3700.0000-4200.0000	50.0W	135.0W	11.3	46.1	103.7	212.0	0	6-Salt Sea
12)	3700.0000-4200.0000	50.0W	135.0W	11.2	25.5	103.8	227.0	0	6
13)	3700.0000-4200.0000	50.0W	135.0W	11.2	25.5	103.8	227.0	0	1
14)	3700.0000-4200.0000	50.0W	135.0W	11.2	25.5	103.8	227.0	0	2
15)	3700.0000-4200.0000	50.0W	135.0W	11.2	25.5	103.8	227.0	0	3
16)	3700.0000-4200.0000	50.0W	135.0W	11.2	25.5	103.8	227.0	0	4
17)	3700.0000-4200.0000	50.0W	135.0W	11.2	25.5	103.8	227.0	0	5
18)	3700.0000-4200.0000	50.0W	135.0W	11.2	25.5	103.8	227.0	0	1
19)	3700.0000-4200.0000	50.0W	135.0W	11.2	25.5	103.8	227.0	0	2
20)	3700.0000-4200.0000	50.0W	135.0W	11.2	25.5	103.8	227.0	0	3
21)	3700.0000-4200.0000	50.0W	135.0W	11.2	25.5	103.8	227.0	0	1
22)	3700.0000-4200.0000	50.0W	135.0W	11.2	25.5	103.8	227.0	0	2
23)	3700.0000-4200.0000	50.0W	135.0W	11.2	25.5	103.8	227.0	0	3
24)	3700.0000-4200.0000	50.0W	135.0W	11.2	25.5	103.8	227.0	0	4
25)	3700.0000-4200.0000	50.0W	135.0W	11.2	25.5	103.8	227.0	0	5
26)	3700.0000-4200.0000	50.0W	135.0W	50.0	25.5	154.0	227.0	0	6
27)	3700.0000-4200.0000	50.0W	135.0W	50.6	25.5	154.0	227.0	0	7
28)	3700.0000-4200.0000	50.0W	135.0W	50.6	25.5	154.0	227.0	0	8
29)	3700.0000-4200.0000	50.0W	135.0W	50.6	25.5	154.0	227.0	0	1
30)	3700.0000-4200.0000	50.0W	135.0W	50.6	25.5	154.0	227.0	0	2
31)	3700.0000-4200.0000	50.0W	135.0W	50.6	25.5	154.0	227.0	0	3
32)	3700.0000-4200.0000	50.0W	135.0W	50.6	25.5	154.0	227.0	0	4
33)	3700.0000-4200.0000	50.0W	135.0W	50.6	25.5	154.0	227.0	0	5

D) Points of Communications

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

- 1) ICITY to AMC 10 satellite (S2432) @ 135° degrees W.L.(U.S.-licensed)
- 2) ICITY to GALAXY 14 satellite (S2385) @ 125 W.L.(U.S.-licensed satellite)
- 3) ICITY to SES-1 (S2807) @ 101 degrees W.L. (U.S.-licensed)
- 4) ICITY to GALAXY 17 (S2715) @ 91 degrees W.L. (U.S.-licensed)
- 5) ICITY to SES-11 satellite (S2422) @ 104.95 W.L. (U.S. & UK-licensed satellite)



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D) Points of Communications

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

- 6) 2Salton Sea to GALAXY 13 satellite (S2386) @ 127 degrees W.L. (U.S.-licensed)
- 7) 2Salton Sea to GALAXY 17 (S2715) @ 91 degrees W.L. (U.S.-licensed)
- 8) 2Salton Sea to SES-1 (S2807) @ 101 degrees W.L. (U.S.-licensed)
- 9) 2Salton Sea to SES-3 (S2892) @ 103 degrees W.L. (U.S.-licensed)
- 10) 2Salton Sea to AMC 10 satellite (S2432) @ 135° degrees W.L.(U.S.-licensed)
- 11) 2Salton Sea to GALAXY 14 satellite (S2385) @ 125 W.L.(U.S.-licensed satellite)
- 12) 3Mecca to GALAXY 17 (S2715) @ 91 degrees W.L. (U.S.-licensed)
- 13) 3Mecca to GALAXY 14 satellite (S2385) @ 125 W.L.(U.S.-licensed satellite)
- 14) 3Mecca to SES-11 satellite (S2422) @ 104.95 W.L. (U.S. & UK-licensed satellite)
- 15) 3Mecca to SES-1 (S2807) @ 101 degrees W.L. (U.S.-licensed)
- 16) 3Mecca to GALAXY 15 @ 133.1 WL (S2387) (U.S.-licensed satellite)
- 17) 3Mecca to SES-3 (S2892) @ 103 degrees W.L. (U.S.-licensed)
- 18) 4Calipatria to GALAXY 18 satellite (S2733) @ 123 W.L.(U.S.-licensed satellite)
- 19) 4Calipatria to SES-1 (S2807) @ 101 degrees W.L. (U.S.-licensed)
- 20) 4Calipatria to SES-3 (S2892) @ 103 degrees W.L. (U.S.-licensed)
- 21) 4Calipatria to AMC 10 satellite (S2432) @ 135° degrees W.L.(U.S.-licensed)
- 22) 4Calipatria to GALAXY 17 (S2715) @ 91 degrees W.L. (U.S.-licensed)
- 23) 4Calipatria to SES-11 satellite (S2422) @ 104.95 W.L. (U.S. & UK-licensed satellite)
- 24) 5Borrego to GALAXY 17 (S2715) @ 91 degrees W.L. (U.S.-licensed)
- 25) 5Borrego to Permitted Space Station List
- 26) 5Borrego to SES-3 (S2892) @ 103 degrees W.L. (U.S.-licensed)
- 27) 5Borrego to AMC 10 satellite (S2432) @ 135° degrees W.L.(U.S.-licensed)
- 28) 5Borrego to GALAXY 18 satellite (S2733) @ 123 W.L.(U.S.-licensed satellite)
- 29) 5Borrego to GALAXY 14 satellite (S2385) @ 125 W.L.(U.S.-licensed satellite)
- 30) 5Borrego to SES-11 satellite (S2422) @ 104.95 W.L. (U.S. & UK-licensed satellite)
- 31) 5Borrego to GALAXY 15 @ 133.1 WL (S2387) (U.S.-licensed satellite)
- 32) 6Julian to GALAXY 18 satellite (S2733) @ 123 W.L.(U.S.-licensed satellite)
- 33) 6Julian to AMC 10 satellite (S2432) @ 135° degrees W.L.(U.S.-licensed)
- 34) 6Julian to SES-1 (S2807) @ 101 degrees W.L. (U.S.-licensed)
- 35) 6Julian to SES-11 satellite (S2422) @ 104.95 W.L. (U.S. & UK-licensed satellite)
- 36) 6Julian to GALAXY 17 (S2715) @ 91 degrees W.L. (U.S.-licensed)



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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)
3Mecca	1	1	2.5	DH	NA	57	4 AGL/ 57 AMSL	
		Max Gains(s): 65.0 dBi @ 4.2000 GHz						
		Maximum total input power at antenna flange (Watts) =				.00		
		Maximum aggregate output EIRP for all carriers (dBW) =				.00		
5Borrogo	1	1	3.8	Patriot	NA	410	4 AGL/ 410 AMSL	
		Max Gains(s): 65.0 dBi @ 4.2000 GHz						
		Maximum total input power at antenna flange (Watts) =				.00		
		Maximum aggregate output EIRP for all carriers (dBW) =				.00		
6Julian	1	1	3.7	Superior	NA	1189	4 AGL/ 1189 AMSL	
		Max Gains(s): 65.0 dBi @ 4.2000 GHz						
		Maximum total input power at antenna flange (Watts) =				.00		
		Maximum aggregate output EIRP for all carriers (dBW) =				.00		
4Calipatria	1	1	4.6	Superior	NA	-56	4 AGL/ -56 AMSL	
		Max Gains(s): 65.0 dBi @ 4.2000 GHz						
		Maximum total input power at antenna flange (Watts) =				.00		
		Maximum aggregate output EIRP for all carriers (dBW) =				.00		
1CITY	1-CITY	1	3.8	Patriot	3.8METER	-23	4 AGL/ -23 AMSL	
		Max Gains(s): 65.0 dBi @ 4.0000 GHz						
		Maximum total input power at antenna flange (Watts) =				.00		
		Maximum aggregate output EIRP for all carriers (dBW) =				.00		
2Salton Sea	1-Salt Sea	1	3.7	Superior	3.7METER	-54	4 AGL/ -54 AMSL	
		Max Gains(s): 65.0 dBi @ 4.0000 GHz						
		Maximum total input power at antenna flange (Watts) =				.00		
		Maximum aggregate output EIRP for all carriers (dBW) =				.00		



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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)
5Borrego	2	1	3.8	Patriot	NA	410	4 AGL/ 410 AMSL	
Max Gains(s):								
Maximum total input power at antenna flange (Watts) =					.00			
Maximum aggregate output EIRP for all carriers (dBW) =					.00			
6Julian	2	1	4.6	Superior	NA	1189	4 AGL/ 1189 AMSL	
Max Gains(s):								
Maximum total input power at antenna flange (Watts) =					.00			
Maximum aggregate output EIRP for all carriers (dBW) =					.00			
3Mecca	2	1	4.6	Superior	NA	57	4 AGL/ 57 AMSL	
Max Gains(s): 65.0 dBi @ 4.2000 GHz								
Maximum total input power at antenna flange (Watts) =					.00			
Maximum aggregate output EIRP for all carriers (dBW) =					.00			
4Calipatria	2	1	4.6	Superior	NA	-56	4 AGL/ -56 AMSL	
Max Gains(s): 65.0 dBi @ 4.2000 GHz								
Maximum total input power at antenna flange (Watts) =					.00			
Maximum aggregate output EIRP for all carriers (dBW) =					.00			
1CITY	2-CITY	1	3.8	Patriot	3.8METER	-23	4 AGL/ -23 AMSL	
Max Gains(s): 65.0 dBi @ 4.0000 GHz								
Maximum total input power at antenna flange (Watts) =					.00			
Maximum aggregate output EIRP for all carriers (dBW) =					.00			
2Salton Sea	2-Salt Sea	1	3.7	Superior	3.7METER	-54	4 AGL/ -54 AMSL	
Max Gains(s): 65.0 dBi @ 4.0000 GHz								
Maximum total input power at antenna flange (Watts) =					.00			
Maximum aggregate output EIRP for all carriers (dBW) =					.00			



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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)
6Julian	3	1	2.5	DH	NA	1189	4 AGL/ 1189 AMSL	
Max Gains(s):		65.0 dBi @ 4.2000 GHz						
Maximum total input power at antenna flange (Watts) =					.00			
Maximum aggregate output EIRP for all carriers (dBW) =					.00			
3Mecca	3	1	4.6	Superior	NA	57	4 AGL/ 57 AMSL	
Max Gains(s):		65.0 dBi @ 4.2000 GHz						
Maximum total input power at antenna flange (Watts) =					.00			
Maximum aggregate output EIRP for all carriers (dBW) =					.00			
5Borrego	3	1	3.8	Patriot	NA	410	4 AGL/ 410 AMSL	
Max Gains(s):		65.0 dBi @ 4.2000 GHz						
Maximum total input power at antenna flange (Watts) =					.00			
Maximum aggregate output EIRP for all carriers (dBW) =					.00			
4Calipatria	3	1	3.2	Patriot	NA	-56	4 AGL/ -56 AMSL	
Max Gains(s):		65.0 dBi @ 4.2000 GHz						
Maximum total input power at antenna flange (Watts) =					.00			
Maximum aggregate output EIRP for all carriers (dBW) =					.00			
1CITY	3-CITY	1	3.8	Patriot	3.8METER	-23	4 AGL/ -23 AMSL	
Max Gains(s):		65.0 dBi @ 4.0000 GHz						
Maximum total input power at antenna flange (Watts) =					.00			
Maximum aggregate output EIRP for all carriers (dBW) =					.00			
2Salton Sea	3-Salt Sea	1	3.7	Superior	3.7METER	-54	4 AGL/ -54 AMSL	
Max Gains(s):		65.0 dBi @ 4.0000 GHz						
Maximum total input power at antenna flange (Watts) =					.00			
Maximum aggregate output EIRP for all carriers (dBW) =					.00			



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Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer	Model number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
4Calipatria	4	1	2.5	DH	NA	-56	4 AGL/ -56 AMSL	
Max Gains(s):								
Maximum total input power at antenna flange (Watts) =					.00			
Maximum aggregate output EIRP for all carriers (dBW) =					.00			
3Mecca	4	1	3.1	Prodelin	NA	57	4 AGL/ 57 AMSL	
Max Gains(s): 65.0 dBi @ 4.2000 GHz								
Maximum total input power at antenna flange (Watts) =					.00			
Maximum aggregate output EIRP for all carriers (dBW) =					.00			
6Julian	4	1	3.7	Patriot	NA	1189	4 AGL/ 1189 AMSL	
Max Gains(s): 65.0 dBi @ 4.2000 GHz								
Maximum total input power at antenna flange (Watts) =					.00			
Maximum aggregate output EIRP for all carriers (dBW) =					.00			
5Borrego	4	1	3.1	Patriot	NA	410	4 AGL/ 410 AMSL	
Max Gains(s): 65.0 dBi @ 4.2000 GHz								
Maximum total input power at antenna flange (Watts) =					.00			
Maximum aggregate output EIRP for all carriers (dBW) =					.00			
1CITY	4-CITY	1	3.7	Patriot	3.7METER	-23	4 AGL/ -23 AMSL	
Max Gains(s): 65.0 dBi @ 4.0000 GHz								
Maximum total input power at antenna flange (Watts) =					.00			
Maximum aggregate output EIRP for all carriers (dBW) =					.00			
2Salton Sea	4-Salt Sea	1	3.7	Superior	3.7METER	-54	4 AGL/ -54 AMSL	
Max Gains(s): 65.0 dBi @ 4.0000 GHz								
Maximum total input power at antenna flange (Watts) =					.00			
Maximum aggregate output EIRP for all carriers (dBW) =					.00			



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

RADIO STATION REGISTRATION

Name: Antilles Wireless LLC
 Authorization Type: Registration
 Non Common Carrier

Call Sign: E181063
 File Number: SES-REG-20180620-01759
 Grant date: 03/08/2019 Expiration Date: 06/20/2033

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)
4Calipatria	5	1	3.2	Superior	NA	-56	4 AGL/ -56 AMSL	
Max Gains(s):								
Maximum total input power at antenna flange (Watts) =						.00		
Maximum aggregate output EIRP for all carriers (dBW) =						.00		
6Julian	5	1	3.2	Patriot	NA	1189	4 AGL/ 1189 AMSL	
Max Gains(s): 65.0 dBi @ 4.2000 GHz								
Maximum total input power at antenna flange (Watts) =						.00		
Maximum aggregate output EIRP for all carriers (dBW) =						.00		
5Borrego	5	1	3.7	Superior	NA	410	4 AGL/ 410 AMSL	
Max Gains(s): 65.0 dBi @ 4.2000 GHz								
Maximum total input power at antenna flange (Watts) =						.00		
Maximum aggregate output EIRP for all carriers (dBW) =						.00		
3Mecca	5	1	3.1	Kaul Tronics	NA	57	4 AGL/ 57 AMSL	
Max Gains(s): 65.0 dBi @ 4.2000 GHz								
Maximum total input power at antenna flange (Watts) =						.00		
Maximum aggregate output EIRP for all carriers (dBW) =						.00		
1CITY	5-CITY	1	3.1	Kaul Tronics	3.1METER	-23	4 AGL/ -23 AMSL	
Max Gains(s): 65.0 dBi @ 4.0000 GHz								
Maximum total input power at antenna flange (Watts) =						.00		
Maximum aggregate output EIRP for all carriers (dBW) =						.00		
2Salton Sea	5-Salt Sea	1	3.7	Prodelin	3.7METER	-54	4 AGL/ -54 AMSL	
Max Gains(s): 65.0 dBi @ 4.0000 GHz								
Maximum total input power at antenna flange (Watts) =						.00		
Maximum aggregate output EIRP for all carriers (dBW) =						.00		



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Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer	Model number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
4Calipatria	6	1	3.2	Superior	NA	-56	4 AGL/ -56 AMSL	
Max Gains(s):								
Maximum total input power at antenna flange (Watts) =					.00			
Maximum aggregate output EIRP for all carriers (dBW) =					.00			
5Borrogo	6	1	5	Hytex	NA	410	4 AGL/ 410 AMSL	
Max Gains(s): 65.0 dBi @ 4.2000 GHz								
Maximum total input power at antenna flange (Watts) =					.00			
Maximum aggregate output EIRP for all carriers (dBW) =					.00			
3Mecca	6	1	3.1	Kaul Tronics	NA	57	4 AGL/ 57 AMSL	
Max Gains(s): 65.0 dBi @ 4.2000 GHz								
Maximum total input power at antenna flange (Watts) =					.00			
Maximum aggregate output EIRP for all carriers (dBW) =					.00			
2Salton Sea	6-Salt Sea	1	3.1	Prodelin	3.1METER	-54	4 AGL/ -54 AMSL	
Max Gains(s): 65.0 dBi @ 4.0000 GHz								
Maximum total input power at antenna flange (Watts) =					.00			
Maximum aggregate output EIRP for all carriers (dBW) =					.00			
5Borrogo	7	1	3.1	Prodelin	NA	410	4 AGL/ 410 AMSL	
Max Gains(s): 65.0 dBi @ 4.2000 GHz								
Maximum total input power at antenna flange (Watts) =					.00			
Maximum aggregate output EIRP for all carriers (dBW) =					.00			
5Borrogo	8	1	3.1	Prodelin	NA	410	4 AGL/ 410 AMSL	
Max Gains(s): 65.0 dBi @ 4.2000 GHz								
Maximum total input power at antenna flange (Watts) =					.00			
Maximum aggregate output EIRP for all carriers (dBW) =					.00			



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Grant date: 03/08/2019 Expiration Date: 06/20/2033

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.
 - 5 --- Licensee must notify the Commission when this earth station is no longer operational or when it has not been used to provide any service during any 6-month operation.
 - 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.
 - 9 --- Site location coordinates are based on the WGS84 datum.
- 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)
- 90470 --- The application for this authorization was filed within the 194-day filing window for FSS earth stations operating in the 3700-4200 MHz frequency band as of April 19, 2018, as established by Public Notice DA 18-398 (rel. Apr. 19, 2018) and Public Notice DA-18-639 (rel. Jun. 21, 2018), and Public Notice DA 18-1061 (rel. Oct. 17, 2018).
- 90472 --- The application for this authorization was filed without a coordination report pursuant to the waiver granted in Public Notice DA 18-398 (rel. Apr. 19, 2018). Operations of this earth station in the 3700-4200 MHz band are not entitled to protection from stations operating in the fixed service.



UNITED STATES OF AMERICA
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RADIO STATION REGISTRATION

Name: Antilles Wireless LLC
Authorization Type: Registration
Non Common Carrier

Call Sign: E181063
File Number: SES-REG-20180620-01759
Grant date: 03/08/2019 Expiration Date: 06/20/2033

H) Special and General Provisions

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

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).

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.



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION REGISTRATION

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Non Common Carrier

Call Sign: E181063
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Grant date: 03/08/2019 Expiration Date: 06/20/2033

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.

