



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION REGISTRATION

Name: Corporation of the Presiding Bishop of The Church of Jesus Christ of
Latter-day

Call Sign: E190398

Authorization Type: Registration

File Number: SES-REG-20180914-04092

Common Carrier

Grant date: 06/25/2020

Expiration Date: 09/14/2033

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)	1DAISY MOUNT, NORT1	44611 North New River Road NEW RIVER, AZ 85087	33°53'27.2"N	112°4'23.0"W	1317	27
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				
2)	ACOMA, CROSSMAN PEAK	504 N Acoma Boulevard LAKE HAVASU CITY, AZ 86403	34°29'26.3"N	114°19'46.0"W		27
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				
3)	AGUA FRIA, INDEPEN	8702 West Campbell Avenue PHOENIX, AZ 85037	33°30'6.4"N	112°14'49.5"W		27
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				
4)	AJO	801 North Cedar Street AJO, AZ 85321	32°22'45.0"N	112°51'57.6"W		27
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				
5)	ANTHEM, GAVILAN PEAK	2503 West Anthem Way ANTHEM, AZ 85086	33°51'32.6"N	112°6'47.1"W		27
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				
6)	ARROWHEAD RANC, BEL	4901 West Union Hills Drive GLENDALE, AZ 85308	33°39'14.6"N	112°9'55.4"W		27
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				



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7)	BAGDAD	2 Community Dr BAGDAD, AZ 86321	34°34'2.5"N	113°10'14.2"W		27
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				
8)	BLACK CANY, DESERT	8602 North 31st Avenue PHOENIX, AZ 85051	33°33'46.3"N	112°7'32.8"W		27
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				
9)	BOULDER SPRINGS, LON	610 Eastern Street KINGMAN, AZ 86401	35°11'42.1"N	114°0'39.7"W		27
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				
10)	BRADSHAW, COPPER BAS	1001 Ruth Street PRESCOTT, AZ 86301	34°33'34.1"N	112°28'33.2"W		27
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				
11)	CACTUS LANE, SURPRIS	14916 North Sarival Avenue SURPRISE, AZ 85388	33°37'12.1"N	112°24'35.6"W		27
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				
12)	CANYON TRAILS, PALM	425 South Estrella Parkway GOODYEAR, AZ 85338	33°26'31.0"N	112°23'31.7"W		27
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				
13)	CIBOLA, RANCHO SEREN	4300 West 16th Street YUMA, AZ 85364	32°41'55.6"N	114°40'19.8"W		27
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				



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14)	DEER VALLEY, ROSE GA	2939 West Rose Garden Lane PHOENIX, AZ 85027	33°40'34.2"N	112°7'22.7"W		27
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				
15)	DEL RIO SPRINGS, GRA	441 West Perkinsville Road CHINO VALLEY, AZ 86323	34°46'14.4"N	112°27'20.6"W		27
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				
16)	DEWEY, GLASSFOR HIL	7885 East Long Look Drive PRESCOTT VALLEY, AZ 86314	34°36'1.0"N	112°19'39.3"W		27
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				
17)	DOLAN SPRINGS	16375 Pierce Ferry Road DOLAN SPRINGS, AZ 86441	35°36'2.5"N	114°15'34.3"W		27
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				
18)	ENCANTO 1 (SP), TRAI	4601 West Encanto Boulevard PHOENIX, AZ 85035	33°28'22.5"N	112°9'31.5"W		27
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				
19)	ESTRELLA HILLS, LIBE	1002 East Eason Avenue BUCKEYE, AZ 85326	33°22'23.8"N	112°34'34.2"W		27
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				
20)	GILA BEND	231 N Euclid Ave GILA BEND, AZ 85337	32°57'2.9"N	112°43'7.0"W		27
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21)	GRANITE DELLS, WILLI	1101 Sandretto Drive PRESCOTT, AZ 86305	34°36'8.3"N	112°27'40.8"W		27
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				
22)	HYDER	73521 North County 18th Street HYDER, AZ 85333	33°4'22.4"N	113°22'59.9"W		27
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				
23)	KAIBAB	82 W Center St MOCCASIN, AZ 86022	36°54'34.7"N	112°45'24.4"W		27
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				
24)	LIBERTY, PINNACLE PE	22034 North 83rd Avenue PEORIA, AZ 85382	33°41'1.9"N	112°14'17.3"W		27
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				
25)	MOON MOUNT, SHAW	325 West Coral Gables Drive PHOENIX, AZ 85023	33°37'31.7"N	112°4'40.4"W		27
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				
26)	MOUNTAIN VIEW, RIVER	1690 River Gardens Drive BULLHEAD CITY, AZ 86442	35°6'35.3"N	114°37'18.0"W		27
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				
27)	PARKER	1416 Riata Ave PARKER, AZ 85344	34°8'27.3"N	114°17'51.4"W		27
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				



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28)	PEACH SPRINGS	375 Diamond Creek Rd PEACH SPRINGS, AZ 86434 Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209	35°32'8.5"N	113°25'26.1"W		27
29)	QUARTZSITE	455 S Riggles Rd QUARTZSITE, AZ 85346 Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209	33°39'38.4"N	114°11'53.1"W		27
30)	SAN LUIS (SP)	685 N 9th Ave SAN LUIS, AZ 85349 Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209	32°29'25.0"N	114°45'22.1"W		27
31)	SANTA FE, SUN VALLEY	12951 North 83rd Avenue PEORIA, AZ 85345 Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209	33°36'7.8"N	112°14'13.7"W		27
32)	SPRING VALLEY	17330 East Mule Deer Drive MAYER, AZ 86333 Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209	34°20'56.2"N	112°9'30.6"W		27
33)	WELLTON	8824 South Ave 36 WELLTON, AZ 85356 Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209	32°41'40.0"N	114°1'21.7"W		27
34)	WENDEN	34971 Alamo Rd WENDEN, AZ 85357 Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209	33°49'37.9"N	113°32'40.0"W		27



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35)	WICKENBURG	65 North Lazy Fox Road WICKENBURG, AZ 85358	33°57'46.6"N	112°45'57.1"W		27
Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209						
36)	WIKIEUP	13980 E Chicken Springs Rd WIKIEUP, AZ 85360	34°42'16.6"N	113°37'2.5"W		27
Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209						
37)	WILLIAMS	1111 Stockmens Road WILLIAMS, AZ 86046	35°15'29.9"N	112°10'31.1"W		27
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 registrant is registered to operate the radio facilities described below for radio communications for the term beginning September 14, 2018 (3 AM Eastern Standard Time) and ending September 14, 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	36M0G7W	Rx			1		
2)	3700.0000-4200.0000	H, V	36M0G7W	Rx			11		
3)	3700.0000-4200.0000	H, V	36M0G7W	Rx			13		
4)	3700.0000-4200.0000	H, V	36M0G7W	Rx			14		



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#	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
5)	3700.0000-4200.0000	H, V	36M0G7W	Rx			15		
6)	3700.0000-4200.0000	H, V	36M0G7W	Rx			16		
7)	3700.0000-4200.0000	H, V	36M0G7W	Rx			17		
8)	3700.0000-4200.0000	H, V	36M0G7W	Rx			18		
9)	3700.0000-4200.0000	H, V	36M0G7W	Rx			19		
10)	3700.0000-4200.0000	H, V	36M0G7W	Rx			20		
11)	3700.0000-4200.0000	H, V	36M0G7W	Rx			21		
12)	3700.0000-4200.0000	H, V	36M0G7W	Rx			22		
13)	3700.0000-4200.0000	H, V	36M0G7W	Rx			23		
14)	3700.0000-4200.0000	H, V	36M0G7W	Rx			24		
15)	3700.0000-4200.0000	H, V	36M0G7W	Rx			25		
16)	3700.0000-4200.0000	H, V	36M0G7W	Rx			26		
17)	3700.0000-4200.0000	H, V	36M0G7W	Rx			27		
18)	3700.0000-4200.0000	H, V	36M0G7W	Rx			28		
19)	3700.0000-4200.0000	H, V	36M0G7W	Rx			29		
20)	3700.0000-4200.0000	H, V	36M0G7W	Rx			30		
21)	3700.0000-4200.0000	H, V	36M0G7W	Rx			31		
22)	3700.0000-4200.0000	H, V	36M0G7W	Rx			32		
23)	3700.0000-4200.0000	H, V	36M0G7W	Rx			33		
24)	3700.0000-4200.0000	H, V	36M0G7W	Rx			34		
25)	3700.0000-4200.0000	H, V	36M0G7W	Rx			35		
26)	3700.0000-4200.0000	H, V	36M0G7W	Rx			36		
27)	3700.0000-4200.0000	H, V	36M0G7W	Rx			37		
28)	3700.0000-4200.0000	H, V	36M0G7W	Rx			38		



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#	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
29)	3700.0000-4200.0000	H, V	36M0G7W	Rx			39		
30)	3700.0000-4200.0000	H, V	36M0G7W	Rx			40		
31)	3700.0000-4200.0000	H, V	36M0G7W	Rx			41		
32)	3700.0000-4200.0000	H, V	36M0G7W	Rx			42		
33)	3700.0000-4200.0000	H, V	36M0G7W	Rx			43		
34)	3700.0000-4200.0000	H, V	36M0G7W	Rx			44		
35)	3700.0000-4200.0000	H, V	36M0G7W	Rx			45		
36)	3700.0000-4200.0000	H, V	36M0G7W	Rx			46		
37)	3700.0000-4200.0000	H, V	36M0G7W	Rx			47		

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	9.0W	223.0W	05.0	05.0	094.0	275.0		1
2)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0		11
3)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0		13
4)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0		14
5)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0		15
6)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0		16
7)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0		17
8)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0		18
9)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0		19
10)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0		20
11)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0		21
12)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0		22
13)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0		23
14)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0		24



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#	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		
15)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0	25	
16)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0	26	
17)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0	27	
18)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0	28	
19)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0	29	
20)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0	30	
21)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0	31	
22)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0	32	
23)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0	33	
24)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0	34	
25)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0	35	
26)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0	37	
27)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0	38	
28)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0	39	
29)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0	40	
30)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0	41	
31)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0	42	
32)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0	43	
33)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0	44	
34)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0	45	
35)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0	46	
36)	3700.0000-4200.0000	9.0W	223.0W	05.0	05.0	094.0	275.0	47	

D) Points of Communications

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

- 1) IDAISY MOUNT, NORT1 to Permitted Space Station List
- 2) MOON MOUNT, SHAW to Permitted Space Station List
- 3) DEER VALLEY, ROSE GA to Permitted Space Station List
- 4) BLACK CANY, DESERT to Permitted Space Station List
- 5) SPRING VALLEY to Permitted Space Station List
- 6) ENCANTO 1 (SP), TRAI to Permitted Space Station List
- 7) ARROWHEAD RANC, BEL to Permitted Space Station List
- 8) ANTHEM, GAVILAN PEAK to Permitted Space Station List
- 9) SANTA FE, SUN VALLEY to Permitted Space Station List



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

- 10) LIBERTY, PINNACLE PE to Permitted Space Station List
- 11) AGUA FRIA, INDEPEN to Permitted Space Station List
- 12) DEWEY, GLASSFOR HIL to Permitted Space Station List
- 13) WILLIAMS to Permitted Space Station List
- 14) CACTUS LANE, SURPRIS to Permitted Space Station List
- 15) DEL RIO SPRINGS, GRA to Permitted Space Station List
- 16) GRANITE DELLS, WILLI to Permitted Space Station List
- 17) BRADSHAW, COPPER BAS to Permitted Space Station List
- 18) CANYON TRAILS, PALM to Permitted Space Station List
- 19) GILA BEND to Permitted Space Station List
- 20) KAIBAB to Permitted Space Station List
- 21) WICKENBURG to Permitted Space Station List
- 22) AJO to Permitted Space Station List
- 23) BAGDAD to Permitted Space Station List
- 24) ESTRELLA HILLS, LIBE to Permitted Space Station List
- 25) PEACH SPRINGS to Permitted Space Station List
- 26) WENDEN to Permitted Space Station List
- 27) WIKIEUP to Permitted Space Station List
- 28) BOULDER SPRINGS, LON to Permitted Space Station List
- 29) WELLTON to Permitted Space Station List
- 30) HYDER to Permitted Space Station List
- 31) DOLAN SPRINGS to Permitted Space Station List
- 32) PARKER to Permitted Space Station List
- 33) ACOMA, CROSSMAN PEAK to Permitted Space Station List
- 34) MOUNTAIN VIEW, RIVER to Permitted Space Station List
- 35) CIBOLA, RANCHO SEREN to Permitted Space Station List
- 36) QUARTZSITE to Permitted Space Station List
- 37) SAN LUIS (SP) to Permitted Space Station List



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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)
1DAISY MOUNT NORT1	1	1	3.4	General Dynamics	Satcom 1344	1317	4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								
MOON MOUNT, SHAW	11	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								
DEER VALLEY, ROSE GA	13	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								
BLACK CANY, DESERT	14	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								
SPRING VALLE	15	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								
ENCANTO 1 (SP), TRAI	16	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

RADIO STATION REGISTRATION

Name: Corporation of the Presiding Bishop of The Church of Jesus Christ of
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File Number: SES-REG-20180914-04092

Common Carrier

Grant date: 06/25/2020

Expiration Date: 09/14/2033

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)
ARROWHEAD RANC, BEL	17	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								
ANTHEM, GAVILAN PEAK	18	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								
SANTA FE, SU VALLEY	19	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								
LIBERTY, PINNACLE PE	20	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								
AGUA FRIA, INDEPEN	21	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								
DEWEY, GLASSFOR HIL	22	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								



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FEDERAL COMMUNICATIONS COMMISSION
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Common Carrier

Grant date: 06/25/2020

Expiration Date: 09/14/2033

E) Antenna Facilities

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WILLIAMS	23	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								
CACTUS LANE, SURPRIS	24	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								
DEL RIO SPRINGS, GRA	25	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								
GRANITE DELLS, WILLI	26	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								
BRADSHAW, COPPER BAS	27	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								
CANYON TRAILS, PALM	28	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

RADIO STATION REGISTRATION

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Expiration Date: 09/14/2033

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)
GILA BEND	29	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								
KAIBAB	30	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								
WICKENBURG	31	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								
AJO	32	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								
BAGDAD	33	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								
ESTRELLA HILLS, LIBE	34	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

RADIO STATION REGISTRATION

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File Number: SES-REG-20180914-04092

Common Carrier

Grant date: 06/25/2020

Expiration Date: 09/14/2033

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)
PEACH SPRING	35	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								
WENDEN	36	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								
WIKIEUP	37	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								
BOULDER SPRINGS, LON	38	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								
WELLTON	39	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								
HYDER	40	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION REGISTRATION

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File Number: SES-REG-20180914-04092

Common Carrier

Grant date: 06/25/2020

Expiration Date: 09/14/2033

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)
DOLAN SPRING	41	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								
PARKER	42	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								
ACOMA, CROSSMAN PEAK	43	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								
MOUNTAIN VIEW, RIVER	44	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								
CIBOLA, RANCHO SEREN	45	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								
QUARTZSITE	46	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION REGISTRATION

Name: Corporation of the Presiding Bishop of The Church of Jesus Christ of
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File Number: SES-REG-20180914-04092

Common Carrier

Grant date: 06/25/2020

Expiration Date: 09/14/2033

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)
SAN LUIS (SP	47	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
Max Gains(s): 40.2 dBi @ 4.0000 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								

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 (MyIBFS) using the "Pleadings and Comments" link on the MyIBFS homepage 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)
- 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
FEDERAL COMMUNICATIONS COMMISSION

RADIO STATION REGISTRATION

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File Number: SES-REG-20180914-04092

Common Carrier

Grant date: 06/25/2020

Expiration Date: 09/14/2033

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

Name: Corporation of the Presiding Bishop of The Church of Jesus Christ of
Latter-day

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Authorization Type: Registration

File Number: SES-REG-20180914-04092

Common Carrier

Grant date: 06/25/2020

Expiration Date: 09/14/2033

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.