

RADIO STATION REGISTRATION

Call Sign: E190798

Name: Corporation of the Presiding Bishop of The Church of Jesus Christ of

Latter-day

Authorization Type: Registration File Number: SES-REG-20180914-04457

Non Common Carrier Grant date: 07/08/2020 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)	NAD	Special Provisions (Refer to Section H)
1) 1	2353 Ethelwyn Ln JULIAN, CA 92036	33°4'50.5"N	116°35'36.0"W		27	
	Licensee certifies antenna(s)	comply with g	gain patterns sp	ecified in	Section	25.209
2) 10	527 9th Street RAMONA, CA 92065	33°2'24.5"N	116°51'55.1"W		27	
	Licensee certifies antenna(s)	comply with g	gain patterns sp	ecified in	Section	n 25.209
3) 11	8472 Blossom Lane LEMON GROVE, CA 91945	32°43'30.7"N	117°1'3.0"W		27	
	Licensee certifies antenna(s)	comply with g	gain patterns sp	ecified in	Section	n 25.209
4) 12	2571 Barstow Road BARSTOW, CA 92311	34°52'26.9"N	117°1'18.9"W		27	
	Licensee certifies antenna(s)	comply with g	gain patterns sp	ecified in	Section	25.209
5) 13	1917 East Washington Avenue ESCONDIDO, CA 92027	33°8'24.8"N	117°3'18.9"W		27	
	Licensee certifies antenna(s)	comply with g	gain patterns sp	ecified in	Section	25.209
6) 14	12776 6th Street YUCAIPA, CA 92399	34°1'18.2"N	117°3'39.0"W		27	
	Licensee certifies antenna(s)	comply with g	gain patterns sp	ecified in	Section	n 25.209

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7) 15	32374 Pauba Road TEMECULA, CA 92592	33°29'11.4"N	117°4'12.0"W		27	
	Licensee certifies antenna(s)	comply with ga	ain patterns spe	ecified in	Section	25.209
8) 16	425 North Kirby Street HEMET, CA 92545	33°45'10.9"N	116°59'53.6"W		27	
	Licensee certifies antenna(s)	comply with ga	ain patterns spe	ecified in	Section	25.209
9) 17	2255 Felicita Road ESCONDIDO, CA 92029	33°5'32.0 " N	117°5'9.4"W		27	
	Licensee certifies antenna(s)	comply with ga	ain patterns spe	ecified in	Section	25.209
10) 18	4195 Camino Del Rio South SAN DIEGO, CA 92108	32°46'39.0"N	117°6'14.8"W		27	
	Licensee certifies antenna(s)	comply with ga	ain patterns spe	ecified in	Section	25.209
11) 19	12835 Black Mountain Road SAN DIEGO, CA 92129	32°57'5.0"N	117°7'46.0"W		27	
	Licensee certifies antenna(s)	comply with ga	ain patterns spe	cified in	Section	25.209
12) 2	34380 Newberry Road NEWBERRY SPRINGS, CA 92365	34°52'36.5"N	116°39'46.9"W		27	
	Licensee certifies antenna(s)	comply with ga	ain patterns spe	cified in	Section	25.209
13) 20	350 S Wabash Ave REDLANDS, CA 92374	34°2'55.7 " N	117°8'22.1"W		27	
	Licensee certifies antenna(s)	comply with ga	ain patterns spe	cified in	Section	25.209



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14) 21	29657 N General Kearny Rd TEMECULA, CA 92591	33°31'30.6"N	117°8'46.6"W		27	
	Licensee certifies antenna(s)	comply with g	ain patterns sp	ecified in	Section	25.209
15) 22	6767 51st Street SAN DIEGO, CA 92120	32°47'42.0"N	117°4'58.8"W		27	
	Licensee certifies antenna(s)	comply with g	ain patterns sp	ecified in	Section	25.209
16) 23	1160 Golden Rule Ln LAKE ARROWHEAD, CA 92320	34°16'10.7"N	117°10'37.1"W		27	
	Licensee certifies antenna(s)	comply with g	ain patterns sp	ecified in	Section	25.209
17) 24	24820 Las Brisas Road MURRIETA, CA 92562	33°34'36.9"N	117°10'57.3"W		27	
	Licensee certifies antenna(s)	comply with g	ain patterns sp	ecified in	Section	25.209
18) 25	29725 Bradley Road SUN CITY, CA 92586	33°41'21.2"N	117°11'20.6"W		27	
	Licensee certifies antenna(s)	comply with g	ain patterns sp	ecified in	Section	25.209
19) 26	621 South Stage Coach Ln FALLBROOK, CA 92028	33°22'20.3"N	117°13'42.1"W		27	
	Licensee certifies antenna(s)	comply with g	ain patterns sp	ecified in	Section	25.209
20) 27	4741 Mt Abernathy Avenue SAN DIEGO, CA 92117	32°49'46.6"N	117°10'14.7"W		27	
	Licensee certifies antenna(s)	comply with g	ain patterns sp	ecified in	Section	25.209

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A) Site Location(s)

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21) 28	23300 Old Lake Drive MORENO VALLEY, CA 92557	33°58'7.6"N	117°15'22.5"W		27	
	Licensee certifies antenna(s)	comply with g	gain patterns sp	ecified in	Section	25.209
22) 29	15500 Tuscola Road APPLE VALLEY, CA 92307	34°32'0.2"N	117°16'9.7"W		27	
	Licensee certifies antenna(s)	comply with g	gain patterns sp	ecified in	Section	25.209
23) 3	39075 Contreras Road ANZA, CA 92539	33°33'13.8"N	116°40'30.3"W		27	
	Licensee certifies antenna(s)	comply with g	gain patterns sp	ecified in	Section	25.209
24) 30	3860 North Waterman Avenue SAN BERNARDINO, CA 92404	34°9'40.5"N	117°16'45.9"W		27	
	Licensee certifies antenna(s)	comply with g	gain patterns sp	ecified in	Section	25.209
25) 31	1545 South Melrose Drive VISTA, CA 92081	33°10'3.4"N	117°14'55.4"W		27	
	Licensee certifies antenna(s)	comply with g	gain patterns sp	ecified in	Section	25.209
26) 32	18220 Dexter Avenue LAKE ELSINORE, CA 92532	33°41'52.7 " N	117°20'31.9"W		27	
	Licensee certifies antenna(s)	comply with g	gain patterns sp	ecified in	Section	25.209
27) 33	1375 North Willow Avenue RIALTO, CA 92376	34°7'28.6"N	117°22'27.9"W		27	
	Licensee certifies antenna(s)	comply with g	gain patterns sp	ecified in	Section	25.209



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28)	34	5900 Grand Ave RIVERSIDE, CA 92504	33°57'49.1"N	117°24'40.2"W		27	
		Licensee certifies antenna(s)	comply with g	gain patterns sp	ecified in	Section	25.209
29)	35	7526 Alder Avenue FONTANA, CA 92336	34°7'1.2"N	117°25'7.7"W		27	
		Licensee certifies antenna(s)	comply with g	gain patterns sp	ecified in	Section	25.209
30)	36	1975 Chestnut Avenue CARLSBAD, CA 92008	33°9'40.8"N	117°19'37.3"W		27	
		Licensee certifies antenna(s)	comply with g	gain patterns sp	ecified in	Section	25.209
31)	37	6829 Etiwanda Avenue RANCHO CUCAMONGA, CA 91739	34°7'47.2"N	117°31'23.0"W		27	
		Licensee certifies antenna(s)	comply with g	gain patterns sp	ecified in	Section	25.209
32)	38	1510 Taber St CORONA, CA 92881	33°50'27.1 " N	117°32'8.3"W		27	
		Licensee certifies antenna(s)	comply with g	gain patterns sp	ecified in	Section	25.209
33)	39	8889 Sheep Creek Road PHELAN, CA 92371	34°24'41.2"N	117°34'19.1"W		27	
		Licensee certifies antenna(s)	comply with g	gain patterns sp	ecified in	Section	25.209
34)	4	53830 Tollgate Rd IDYLLWILD, CA 92549	33°44'16.0"N	116°43'22.6"W		27	
		Licensee certifies antenna(s)	comply with g	gain patterns sp	ecified in	Section	25.209



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35)	40	1123 S Lincoln Ave CORONA, CA 92882	33°52'15.8"N	117°35'1.9"W		27	
		Licensee certifies antenna(s)	comply with ga	ain patterns spe	cified in	Section	25.209
36)	41	4375 Jackson Street RIVERSIDE, CA 92503	33°56'1.0"N	117°26'45.8"W		27	
		Licensee certifies antenna(s)	comply with ga	ain patterns spe	ecified in	Section	25.209
37)	42	30522 Via Con Dios RANCHO SANTA MARGARI, CA 92688		117°35'56.7"W		27	
		Licensee certifies antenna(s)	comply with ga	ain patterns spe	cified in	Section	25.209
38)	43	27976 Marguerite Parkway MISSION VIEJO, CA 92692	33°34'53.5"N	117°37'49.4"W		27	
		Licensee certifies antenna(s)	comply with ga	ain patterns spe	cified in	Section	25.209
39)	44	470 Camino San Clemente SAN CLEMENTE, CA 92672	33°26'27.9"N	117°38'11.8"W		27	
		Licensee certifies antenna(s)	comply with ga	ain patterns spe	cified in	Section	25.209
40)	45	888 Hwy 2 WRIGHTWOOD, CA 92397	34°21'55.4"N	117°38'34.4"W		27	
		Licensee certifies antenna(s)	comply with ga	ain patterns spe	cified in	Section	25.209
41)	46	310 Avenida Vista Montana SAN CLEMENTE, CA 92672	33°26'40.8"N	117°35'40.1 " W		27	
		Licensee certifies antenna(s)	comply with ga	ain patterns spe	ecified in	Section	25.209



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42)	47	785 North San Antonio Avenue UPLAND, CA 91786	34°6'10.4"N	117°39'41.1"W		27	
		Licensee certifies antenna(s)	comply with g	ain patterns sp	ecified in	Section	25.209
43)	48	1031 South Norma Street RIDGECREST, CA 93555	35°36'17.0"N	117°40'46.8"W		27	
		Licensee certifies antenna(s)	comply with g	ain patterns sp	ecified in	Section	25.209
44)	49	522 West Francis Street ONTARIO, CA 91762	34°2'29.1"N	117°39'26.4"W		27	
		Licensee certifies antenna(s)	comply with g	ain patterns sp	ecified in	Section	25.209
45)	5	10865 Post Office Road LUCERNE VALLEY, CA 92356	34°26'59.8"N	116°55'9.0"W		27	
		Licensee certifies antenna(s)	comply with g	ain patterns sp	ecified in	Section	25.209
46)	6	6140 West Wilson Street BANNING, CA 92220	33°55'57.0"N	116°56'38.6"W		27	
		Licensee certifies antenna(s)	comply with g	ain patterns sp	ecified in	Section	25.209
47)	7	1270 South Orange Avenue EL CAJON, CA 92020	32°46'41.6"N	116°57'54.1"W		27	
		Licensee certifies antenna(s)	comply with g	ain patterns sp	ecified in	Section	25.209
48)	8	10052 North Magnolia Avenue SANTEE, CA 92071	32°51'39.6"N	116°58'18.3"W		27	
		Licensee certifies antenna(s)	comply with g	ain patterns sp	ecified in	Section	1 25.209

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A) Site Location(s)

# Site ID	Address	Latitude	Longitude	Elevation (Meters)	Special Provisions NAD (Refer to Section H)
49) 9	1590 East H Street CHULA VISTA, CA 91913	32°38'42.0"N	116°59'45.4"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)	Polarizatio Code	on Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
1) 3700	.0000-4200.0000	Н, V	36M0G7W	Rx		1		
2) 3700	.0000-4200.0000	H,V	36M0G7W	Rx		11		
3) 3700	.0000-4200.0000	H,V	36M0G7W	Rx		12		
4) 3700	.0000-4200.0000	H,V	36M0G7W	Rx		13		
5) 3700	.0000-4200.0000	H,V	36M0G7W	Rx		14		
6) 3700	.0000-4200.0000	H, V	36M0G7W	Rx		15		
7) 3700	.0000-4200.0000	H,V	36M0G7W	Rx		16		
8) 3700	.0000-4200.0000	H,V	36M0G7W	Rx		17		
9) 3700	.0000-4200.0000	H,V	36M0G7W	Rx		18		
10) 3700	.0000-4200.0000	H,V	36M0G7W	Rx		19		
11) 3700	.0000-4200.0000	H,V	36M0G7W	Rx		2		

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For the	e text of these provisions, re	ter to Section F	l.		Max EIRP	Max EIRP		Special Provisions		
#	Frequency (MHz)	Polarizatio Code	n Emission	Tx/Rx Mode	/Carrier (dBW)		Associated Antenna	(Refer to Section H)	Modulation/ Services	
12) 37	700.0000-4200.0000	Н,∨	36M0G7W	Rx			20			_
13) 37	700.0000-4200.0000	H,V	36M0G7W	Rx			21			
14) 37	700.0000-4200.0000	H,V	36M0G7W	Rx			22			
15) 37	700.0000-4200.0000	H,V	36M0G7W	Rx			23			
16) 37	700.0000-4200.0000	H,V	36M0G7W	Rx			24			
17) 37	700.0000-4200.0000	H,V	36M0G7W	Rx			25			
18) 37	700.0000-4200.0000	H,V	36M0G7W	Rx			26			
19) 37	700.0000-4200.0000	H,V	36M0G7W	Rx			27			
20) 37	700.0000-4200.0000	H,V	36M0G7W	Rx			28			
21) 37	700.0000-4200.0000	H,V	36M0G7W	Rx			29			
22) 37	700.0000-4200.0000	H,V	36M0G7W	Rx			3			
23) 37	700.0000-4200.0000	H,V	36M0G7W	Rx			30			
24) 37	700.0000-4200.0000	H,V	36M0G7W	Rx			31			
25) 37	700.0000-4200.0000	H,V	36M0G7W	Rx			32			
26) 37	700.0000-4200.0000	H,V	36M0G7W	Rx			33			
27) 37	700.0000-4200.0000	H,V	36M0G7W	Rx			34			
28) 37	700.0000-4200.0000	H,V	36M0G7W	Rx			35			
29) 37	700.0000-4200.0000	H,V	36M0G7W	Rx			36			
30) 37	700.0000-4200.0000	H,V	36M0G7W	Rx			37			
31) 37	700.0000-4200.0000	H,V	36M0G7W	Rx			38			
32) 37	700.0000-4200.0000	H,V	36M0G7W	Rx			39			
33) 37	700.0000-4200.0000	H,V	36M0G7W	Rx			4			
34) 37	700.0000-4200.0000	H,V	36M0G7W	Rx			40			
35) 37	700.0000-4200.0000	H,V	36M0G7W	Rx			41			

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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	Frequency (MHz)	fer to Section I Polarizatio Code		Tx/Rx Mode	Max EIRP /Carrier (dBW)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
36) 37	00.0000-4200.0000	H, V	36M0G7W	Rx		42		
37) 37	00.0000-4200.0000	H,V	36M0G7W	Rx		43		
38) 37	00.0000-4200.0000	H,V	36M0G7W	Rx		44		
39) 37	00.0000-4200.0000	H,V	36M0G7W	Rx		45		
40)37	00.0000-4200.0000	H,V	36M0G7W	Rx		46		
41) 37	00.0000-4200.0000	H,V	36M0G7W	Rx		47		
42) 37	00.0000-4200.0000	H,V	36M0G7W	Rx		48		
43) 37	00.0000-4200.0000	H,V	36M0G7W	Rx		49		
44) 37	00.0000-4200.0000	H,V	36M0G7W	Rx		5		
45) 37	00.0000-4200.0000	H,V	36M0G7W	Rx		6		
46) 37	00.0000-4200.0000	H,V	36M0G7W	Rx		7		
47) 37	00.0000-4200.0000	H,V	36M0G7W	Rx		8		
48) 37	00.0000-4200.0000	H,V	36M0G7W	Rx		9		

C) Frequency Coordination Limits

#	Frequency Limits (MHz)	Satellite Arc (Deg. Long.) East West Limit Limit	Elevation (Degrees) East West Limit Limit	Azimuth (Degrees) East West Limit Limit	HOHEOH	Associated Antenna(s)
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	2	
3)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	3	
4)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	4	
5)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	5	
6)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	6	
7)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	7	
8)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	8	



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C) Frequency Coordination Limits

#	Frequency Limits (MHz)	Satellite Arc (Deg. Long.) East West Limit Limit	Elevation (Degrees) East West Limit Limit	Azimuth (Degrees) East West Limit Limit	
9)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	9
10)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	10
11)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	11
12)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	12
13)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	13
14)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	14
15)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	15
16)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	16
17)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	17
18)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	18
19)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	19
20)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	20
21)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	21
22)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	22
23)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	23
24)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	24
25)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	25
26)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	26
27)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	27
28)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	28
29)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	29
30)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	30
31)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	31
32)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	32
33)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	33
34)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	34
35)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	35
36)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	36
37)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	37
38)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	38
39)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	39
40)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	40
41)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	41
42)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	42
43)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	43

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C) Frequency Coordination Limits

	Frequency Limits	Satellite Arc (Deg. Long.)	Elevation (Degrees)	Azimuth (Degrees)	Max EIRP Density toward Horizon Associated
#	(MHz)	East West Limit Limit	East West Limit Limit	East West Limit Limit	110112011
44)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	4 4
45)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	45
46)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	46
47)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	47
48)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	48
49)	3700.0000-4200.0000	9.0W-223.0W	05.0-05.0	094.0-275.0	49

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) 2 to Permitted Space Station List
- 3) 3 to Permitted Space Station List
- 4) 4 to Permitted Space Station List
- 5) 5 to Permitted Space Station List
- 6) 6 to Permitted Space Station List
- 7) 7 to Permitted Space Station List
- 8) 8 to Permitted Space Station List
- 9) 9 to Permitted Space Station List
- 10) 10 to Permitted Space Station List
- 11) 11 to Permitted Space Station List
- 12) 12 to Permitted Space Station List
- 13) 13 to Permitted Space Station List
- 14) 14 to Permitted Space Station List
- 15) 15 to Permitted Space Station List
- 16) 16 to Permitted Space Station List
- 17) 17 to Permitted Space Station List
- 18) 18 to Permitted Space Station List
- 19) 19 to Permitted Space Station List
- 20) 20 to Permitted Space Station List
- 21) 21 to Permitted Space Station List
- 22) 22 to Permitted Space Station List
- 23) 23 to Permitted Space Station List
- 24) 24 to Permitted Space Station List



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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:

25) 25 to Permitted Space Station List

26) 26 to Permitted Space Station List

27) 27 to Permitted Space Station List

28) 28 to Permitted Space Station List

29) 29 to Permitted Space Station List

30) 30 to Permitted Space Station List

31) 31 to Permitted Space Station List

32) 32 to Permitted Space Station List

33) 33 to Permitted Space Station List

34) 34 to Permitted Space Station List

35) 35 to Permitted Space Station List

36) 36 to Permitted Space Station List

37) 37 to Permitted Space Station List

38) 38 to Permitted Space Station List

39) 39 to Permitted Space Station List

40) 40 to Permitted Space Station List

41) 41 to Permitted Space Station List

42) 42 to Permitted Space Station List

43) 43 to Permitted Space Station List

44) 44 to Permitted Space Station List

45) 45 to Permitted Space Station List

46) 46 to Permitted Space Station List

47) 47 to Permitted Space Station List

48) 48 to Permitted Space Station List

49) 49 to Permitted Space Station List

E) Antenna Facilities

1

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	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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_	Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer	Model number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
10		10	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
	Maxim	_	t power		4.0000 GHz na flange (Watts) = all carriers (dBW) =				
11		11	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
	Maxim	=	t power		4.0000 GHz na flange (Watts) = all carriers (dBW) =				
12		12	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
	Maxim	*	t power		4.0000 GHz na flange (Watts) = all carriers (dBW) =				
13		13	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
	Maxim	*	t power		4.0000 GHz na flange (Watts) = all carriers (dBW) =				
14		14	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
	Maxim	-	t power		4.0000 GHz na flange (Watts) = all carriers (dBW) =				
15		15	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
	Maxim	-	t power		4.0000 GHz na flange (Watts) = all carriers (dBW) =				



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Si II		Units	Diameter (meters)	Manufacturer	Model number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
16	16	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
	-	t power		4.0000 GHz na flange (Watts) = all carriers (dBW) =				
17	17	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
	-	t power		4.0000 GHz na flange (Watts) = all carriers (dBW) =				
18	18	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
	-	t power		4.0000 GHz na flange (Watts) = all carriers (dBW) =				
19	19	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
	=	t power		4.0000 GHz na flange (Watts) = all carriers (dBW) =				
2	2	1	3.4	GENERAL DYNAMICS	Satcomm1344		4 AGL	
	-	t power		4.0000 GHz na flange (Watts) = all carriers (dBW) =				
20	20	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
	-	t power		4.0000 GHz na flange (Watts) = all carriers (dBW) =				



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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
1	21	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
М	-	power		4.0000 GHz na flange (Watts) = all carriers (dBW) =				
2	22	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
М	-	power		4.0000 GHz na flange (Watts) = all carriers (dBW) =				
3	23	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
М	*	power		4.0000 GHz na flange (Watts) = all carriers (dBW) =				
4	24	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
М	=	power		4.0000 GHz na flange (Watts) = all carriers (dBW) =				
5	25	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
М	-	power		4.0000 GHz na flange (Watts) = all carriers (dBW) =				
26	26	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
М	-	power		4.0000 GHz na flange (Watts) = all carriers (dBW) =				



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•	Site Antenna ID ID	Units	Diameter (meters)	Manufacturer	Model number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
27	27	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
	-	put power		4.0000 GHz na flange (Watts) = all carriers (dBW) =				
28	-	put power		GENERAL DYNAMICS 4.0000 GHz na flange (Watts) = all carriers (dBW) =	Satcom 1344		4 AGL	
29		put power		GENERAL DYNAMICS 4.0000 GHz na flange (Watts) = all carriers (dBW) =	Satcom 1344		4 AGL	
3	-	put power		GENERAL DYNAMICS 4.0000 GHz na flange (Watts) = all carriers (dBW) =	Satcom 1344		4 AGL	
30	-	put power		GENERAL DYNAMICS 4.0000 GHz na flange (Watts) = all carriers (dBW) =	Satcom 1344		4 AGL	
31		put power		GENERAL DYNAMICS 4.0000 GHz na flange (Watts) = all carriers (dBW) =	Satcom 1344		4 AGL	



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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
2	32	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
1	-	power		4.0000 GHz na flange (Watts) = all carriers (dBW) =				
3	33	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
1	-	power		4.0000 GHz na flange (Watts) = all carriers (dBW) =				
4	34	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
1	*	power		4.0000 GHz na flange (Watts) = all carriers (dBW) =				
5	35	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
1		power		4.0000 GHz na flange (Watts) = all carriers (dBW) =				
6	36	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
1	-	power		4.0000 GHz na flange (Watts) = all carriers (dBW) =				
37	37	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
1	-	power		4.0000 GHz na flange (Watts) = all carriers (dBW) =				



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S	Site Antenna ID ID	Units	Diameter (meters)	Manufacturer	Model number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
38	38	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
	-	out power		4.0000 GHz na flange (Watts) = all carriers (dBW) =				
39	-	out power		GENERAL DYNAMICS 4.0000 GHz na flange (Watts) =	Satcom 1344		4 AGL	
4	4 Max Gains(s):	1 40.2	3.4 dBi @	all carriers (dBW) = GENERAL DYNAMICS 4.0000 GHz na flange (Watts) =	Satcom 1344		4 AGL	
40	Maximum aggregate 40 Max Gains(s): Maximum total inp	output : 1 40.2 put power	3.4 dBi @ at anten	GENERAL DYNAMICS 4.0000 GHz na flange (Watts) =	Satcom 1344		4 AGL	
41	41 Max Gains(s): Maximum total inp	1 40.2 put power	3.4 dBi @ at anten	all carriers (dBW) = GENERAL DYNAMICS 4.0000 GHz na flange (Watts) = all carriers (dBW) =	Satcom 1344		4 AGL	
42		out power		GENERAL DYNAMICS 4.0000 GHz na flange (Watts) = all carriers (dBW) =	Satcom 1344		4 AGL	



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Sit II		Units	Diameter (meters)	Manufacturer	Model number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H
43	43	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
	-	t power		4.0000 GHz na flange (Watts) = all carriers (dBW) =				
44	44	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
	=	t power		4.0000 GHz na flange (Watts) = all carriers (dBW) =				
45	45	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
	=	t power		4.0000 GHz na flange (Watts) = all carriers (dBW) =				
46	46	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
	-	t power		4.0000 GHz na flange (Watts) = all carriers (dBW) =				
47	47	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
	=	t power		4.0000 GHz na flange (Watts) = all carriers (dBW) =				
48	48	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
	=	t power		4.0000 GHz na flange (Watts) = all carriers (dBW) =				



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	ite Antenna D ID	Units	Diameter (meters)	Manufacturer	Model number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H
49	49	1	3.4	GENERAL DYNAMICS	Satcom 1344		4 AGL	
		ıt power		4.0000 GHz na flange (Watts) = all carriers (dBW) =				
5	-	ıt power		GENERAL DYNAMICS 4.0000 GHz na flange (Watts) = all carriers (dBW) =	Satcom 1344		4 AGL	
6	6 Max Gains(s): Maximum total inpu	1 40.2 nt power	3.4 dBi @ at anten	GENERAL DYNAMICS 4.0000 GHz na flange (Watts) = all carriers (dBW) =	Satcom 1344		4 AGL	
7	7 Max Gains(s):	1	3.4 dBi @	GENERAL DYNAMICS	Satcom 1344		4 AGL	
	=	_		na flange (Watts) = all carriers (dBW) =				
8	-	ıt power		GENERAL DYNAMICS 4.0000 GHz na flange (Watts) = all carriers (dBW) =	Satcom 1344		4 AGL	
9	9 Max Gains(s):	1	3.4 dBi @	GENERAL DYNAMICS 4.0000 GHz	Satcom 1344		4 AGL	
	Maximum total inpu	ıt power	at anten	na flange (Watts) = all carriers (dBW) =				



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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 (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.



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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:

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.

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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 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.

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