

28350.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data
18800.0000 - 19300.0000 MHz	480MD7W		Modulation and Services BPSK up to 64 QAM; Digital Data
17800.0000 - 18600.0000 MHz	480MD7W		Modulation and Services BPSK up to 64 QAM; Digital Data

Points of Communication:

Manistique Gateway - SPACEX (S2983/3018) - (NGSO)

SES-LIC-20200422-00443 E E201990 SpaceX Services, Inc.
 Application for Authority 08/31/2021 - 08/31/2036
 Grant of Authority Date Effective: 08/31/2021

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Manistique Gateway
 LOCATION: Schoolcraft, Manistique, MI
 45 ° 54 ' 31.00 " N LAT. 86 ° 29 ' 0.90 " W LONG.

ANTENNA ID: CO-1	1.47 meters	SpaceX	1.47M
17800.0000 - 18600.0000 MHz	480MD7W	0.00 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data
18800.0000 - 19300.0000 MHz	480MD7W	0.00 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data
28350.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data
29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data

ANTENNA ID: LO-1	1.47 meters	SPACEX	
29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data
28350.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data
18800.0000 - 19300.0000 MHz	480MD7W		Modulation and Services BPSK up to 64 QAM; Digital Data
17800.0000 - 18600.0000 MHz	480MD7W		Modulation and Services BPSK up to 64 QAM; Digital Data

Points of Communication:

Manistique Gateway - SPACEX (S2983/3018) - (NGSO)

SES-LIC-20210503-00757 E E210106 State of New York
Application for Authority
Grant of Authority

08/30/2021 - 08/30/2036
Date Effective: 08/30/2021

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 300 Patroon Creek, Albany, Albany, NY
42 ° 40 ' 57.00 " N LAT.

73 ° 48 ' 16.00 " W LONG.

ANTENNA ID:	M1	3.7 meters	Miralite	Offset 3.7 Ku	
	14000.0000 - 14500.0000 MHz		30M0G7D	69.13 dBW	Digital Services
	11700.0000 - 12200.0000 MHz		30M0G7D		Digital Services
	14000.0000 - 14500.0000 MHz		80K0G7D	51.00 dBW	Digital Services

ANTENNA ID:	SA1	7 meters	Scientific-Atlanta	8010K	
	14000.0000 - 14500.0000 MHz		30M0G7D	69.13 dBW	DVB Digital Carrier
	11700.0000 - 12200.0000 MHz		30M0G7D		DVB Digital Carrier
	14000.0000 - 14500.0000 MHz		45K0G7D	49.11 dBW	Digital Services

ANTENNA ID:	P1	3.8 meters	Prodelin	1383	
	14000.0000 - 14500.0000 MHz		30M0G7D	69.22 dBW	Digital Services
	14000.0000 - 14500.0000 MHz		45K0G7D	49.69 dBW	Digital Services
	11700.0000 - 12200.0000 MHz		30M0G7D		Digital Services

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20210819-01508 E E980066 AT&T Corp.
Application for Modification
Grant of Authority

03/13/2008 - 03/13/2023
Date Effective: 08/30/2021

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

AT&T Corp. was granted modification of its fixed earth station in Malibu, CA to remove the C-band and extended C-band frequencies from the license.

SITE ID: 1
 LOCATION: 1700 SOUTH BARDMAN AVE., LOS ANGELES, MALIBU, CA
 34 ° 4 ' 53.00 " N LAT. 118 ° 53 ' 49.30 " W LONG.

ANTENNA ID:	9M	9 meters	VERTEX	9KPK
	14000.0000 - 14500.0000 MHz		36M0G9W 84.87 dBW	VOICE, DATA, QPSK, 8PSK, FEC 3/4, FEC 7/8
	13750.0000 - 14000.0000 MHz		36M0G9W 84.67 dBW	VOICE, DATA, QPSK, 8PSK, FEC 3/4, FEC 7/8
	11700.0000 - 12200.0000 MHz		36M0G9W	VOICE, DATA, QPSK, 8PSK
	10750.0000 - 11700.0000 MHz		36M0G9W	DIGITAL VIDEO

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20210715-01052 E E060157 SpeedCast Communications Inc
 Renewal 08/14/2021 - 08/14/2036
 Grant of Authority Date Effective: 08/31/2021

Class of Station: Earth Stations on-board Vessels/VSAT

Nature of Service: Earth Stations on-board Vessels, Fixed Satellite Service

SITE ID: ESV
 LOCATION: 4400 S. Sam Houston Pkwy. E., Harris, Houston, TX

ANTENNA ID:	ESV4996	1.2 meters	Seatel	4996
	14000.0000 - 14500.0000 MHz		200KG7D 40.50 dBW	Digital
	14000.0000 - 14500.0000 MHz		100KG7D 37.00 dBW	Digital
	14000.0000 - 14500.0000 MHz		150KG7D 38.80 dBW	Digital
	14000.0000 - 14500.0000 MHz		1M17G7D 47.80 dBW	Digital
	14000.0000 - 14500.0000 MHz		1M56G7D 49.10 dBW	Digital
	14000.0000 - 14500.0000 MHz		200KG7D 40.00 dBW	Digital
	14000.0000 - 14500.0000 MHz		300KG7D 41.80 dBW	Digital
	14000.0000 - 14500.0000 MHz		390KG7D 43.00 dBW	Digital
	14000.0000 - 14500.0000 MHz		50K0G7D 34.00 dBW	Digital
	14000.0000 - 14500.0000 MHz		780KG7D 46.00 dBW	Digital

11700.0000 - 12200.0000 MHz	200KG7D	0.00 dBW	Digital
11700.0000 - 12200.0000 MHz	1M85G7D		Digital
11700.0000 - 12200.0000 MHz	1M92G7D		Digital
11700.0000 - 12200.0000 MHz	3M85G7D		Digital
11700.0000 - 12200.0000 MHz	5M76G7D		Digital
11700.0000 - 12200.0000 MHz	7M68G7D		Digital
11700.0000 - 12200.0000 MHz	8M67G7D		Digital
ANTENNA ID: ESV6012	1.5 meters	SEATEL	6012
14000.0000 - 14500.0000 MHz	100KG7D	37.00 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	150KG7D	38.80 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	1M17G7D	47.80 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	1M56G7D	49.10 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	200KG7D	40.00 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	300KG7D	41.80 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	390KG7D	43.00 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	50K0G7D	34.00 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	780KG7D	46.00 dBW	DIGITAL
12500.0000 - 12750.0000 MHz	1M76G7W		DIGITAL
12500.0000 - 12750.0000 MHz	2M41G7W		DIGITAL
12500.0000 - 12750.0000 MHz	3M52G7W		DIGITAL
12500.0000 - 12750.0000 MHz	5M77G7W		DIGITAL
11700.0000 - 12200.0000 MHz	1M92G7D		DIGITAL
11700.0000 - 12200.0000 MHz	3M85G7D		DIGITAL
11700.0000 - 12200.0000 MHz	5M76G7D		DIGITAL
11700.0000 - 12200.0000 MHz	7M68G7D		DIGITAL
11700.0000 - 12200.0000 MHz	8M67G7D		DIGITAL

11450.0000 - 11700.0000 MHz	1M76G7W		DIGITAL
11450.0000 - 11700.0000 MHz	2M41G7W		DIGITAL
11450.0000 - 11700.0000 MHz	3M52G7W		DIGITAL
11450.0000 - 11700.0000 MHz	5M77G7W		DIGITAL
10950.0000 - 11200.0000 MHz	1M76G7W		DIGITAL
10950.0000 - 11200.0000 MHz	2M41G7W		DIGITAL
10950.0000 - 11200.0000 MHz	3M52G7W		DIGITAL
10950.0000 - 11200.0000 MHz	5M77G7W		DIGITAL
ANTENNA ID: ESV6009	1.5 meters	SEATEL	6009
14000.0000 - 14500.0000 MHz	100KG7D	37.00 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	150KG7D	38.80 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	1M17G7D	47.80 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	1M56G7D	49.10 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	200KG7D	40.00 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	300KG7D	41.80 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	390KG7D	43.00 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	50K0G7D	34.00 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	780KG7D	46.00 dBW	DIGITAL
12500.0000 - 12750.0000 MHz	1M76G7W		DIGITAL
12500.0000 - 12750.0000 MHz	2M41G7W		DIGITAL
12500.0000 - 12750.0000 MHz	3M52G7W		DIGITAL
12500.0000 - 12750.0000 MHz	5M77G7W		DIGITAL
11700.0000 - 12200.0000 MHz	1M92G7D		DIGITAL
11700.0000 - 12200.0000 MHz	3M85G7D		DIGITAL
11700.0000 - 12200.0000 MHz	5M76G7D		DIGITAL
11700.0000 - 12200.0000 MHz	7M68G7D		DIGITAL

11700.0000 - 12200.0000 MHz	8M67G7D	DIGITAL
11450.0000 - 11700.0000 MHz	1M76G7W	DIGITAL
11450.0000 - 11700.0000 MHz	2M41G7W	DIGITAL
11450.0000 - 11700.0000 MHz	3M52G7W	DIGITAL
11450.0000 - 11700.0000 MHz	5M77G7W	DIGITAL
10950.0000 - 11200.0000 MHz	1M76G7W	DIGITAL
10950.0000 - 11200.0000 MHz	2M41G7W	DIGITAL
10950.0000 - 11200.0000 MHz	3M52G7W	DIGITAL
10950.0000 - 11200.0000 MHz	5M77G7W	DIGITAL

SITE ID: Oceans
LOCATION: 4400 S. Sam Houston Pkwy, USA, Houston, TX

ANTENNA ID: ESV4003	1 meters	Seatel	4003
14000.0000 - 14500.0000 MHz	100KG7D	37.00 dBW	Digital
14000.0000 - 14500.0000 MHz	150KG7D	38.80 dBW	Digital
14000.0000 - 14500.0000 MHz	200KG7D	40.00 dBW	Digital
14000.0000 - 14500.0000 MHz	300KG7D	41.80 dBW	Digital
14000.0000 - 14500.0000 MHz	50K0G7D	34.00 dBW	Digital
14000.0000 - 14500.0000 MHz	780KG7D	46.00 dBW	Digital
12500.0000 - 12750.0000 MHz	1M76G7W		Digital
12500.0000 - 12750.0000 MHz	2M41G7W		Digital
12500.0000 - 12750.0000 MHz	3M52G7W		Digital
12500.0000 - 12750.0000 MHz	5M77G7W		Digital
11700.0000 - 12200.0000 MHz	1M92G7D		Digital
11700.0000 - 12200.0000 MHz	3M85G7D		Digital
11700.0000 - 12200.0000 MHz	5M76G7D		Digital
11700.0000 - 12200.0000 MHz	7M68G7D		Digital
11700.0000 - 12200.0000 MHz	8M67G7D		Digital

11700.0000 - 12200.0000 MHz	390KG7D		Digital
11450.0000 - 11700.0000 MHz	1M76G7W		Digital
11450.0000 - 11700.0000 MHz	2M41G7W		Digital
11450.0000 - 11700.0000 MHz	3M52G7W		Digital
11450.0000 - 11700.0000 MHz	5M77G7W		Digital
10950.0000 - 11200.0000 MHz	1M76G7W		Digital
10950.0000 - 11200.0000 MHz	2M41G7W		Digital
10950.0000 - 11200.0000 MHz	3M52G7W		Digital
10950.0000 - 11200.0000 MHz	5M77G7W		Digital
ANTENNA ID: ESV4006	1 meters	Seatel	4006
14000.0000 - 14500.0000 MHz	150KG7D	38.80 dBW	Digital
14000.0000 - 14500.0000 MHz	200KG7D	40.00 dBW	Digital
14000.0000 - 14500.0000 MHz	300KG7D	41.80 dBW	Digital
14000.0000 - 14500.0000 MHz	390KG7D	43.00 dBW	Digital
14000.0000 - 14500.0000 MHz	50K0G7D	34.00 dBW	Digital
14000.0000 - 14500.0000 MHz	780KG7D	46.00 dBW	Digital
12500.0000 - 12750.0000 MHz	1M76G7W		Digital
12500.0000 - 12750.0000 MHz	2M41G7W		Digital
12500.0000 - 12750.0000 MHz	3M52G7W		Digital
12500.0000 - 12750.0000 MHz	5M77G7W		Digital
11700.0000 - 12200.0000 MHz	1M92G7D		Digital
11700.0000 - 12200.0000 MHz	3M85G7D		Digital
11700.0000 - 12200.0000 MHz	5M76G7D		Digital
11700.0000 - 12200.0000 MHz	7M68G7D		Digital
11700.0000 - 12200.0000 MHz	8M67G7D		Digital
11700.0000 - 12200.0000 MHz	100KG7D		Digital

11450.0000 - 11700.0000 MHz	1M76G7W		Digital
11450.0000 - 11700.0000 MHz	3M52G7W		Digital
11450.0000 - 11700.0000 MHz	5M77G7W		Digital
10950.0000 - 11200.0000 MHz	1M76G7W		Digital
10950.0000 - 11200.0000 MHz	2M41G7W		Digital
10950.0000 - 11200.0000 MHz	3M52G7W		Digital
10950.0000 - 11200.0000 MHz	5M77G7W		Digital
ANTENNA ID: ESV4996	1.2 meters	Seatel	4996
ANTENNA ID: ESV6006	1.5 meters	Seatel	6006
14000.0000 - 14500.0000 MHz	100KG7D	37.00 dBW	Digital
14000.0000 - 14500.0000 MHz	150KG7D	38.80 dBW	Digital
14000.0000 - 14500.0000 MHz	1M17G7D	47.80 dBW	Digital
14000.0000 - 14500.0000 MHz	1M56G7D	49.10 dBW	Digital
14000.0000 - 14500.0000 MHz	200KG7D	40.00 dBW	Digital
14000.0000 - 14500.0000 MHz	300KG7D	41.80 dBW	Digital
14000.0000 - 14500.0000 MHz	390KG7D	43.00 dBW	Digital
14000.0000 - 14500.0000 MHz	50K0G7D	34.00 dBW	Digital
14000.0000 - 14500.0000 MHz	780KG7D	46.00 dBW	Digital
12500.0000 - 12750.0000 MHz	1M76G7W		Digital
12500.0000 - 12750.0000 MHz	2M41G7W		Digital
12500.0000 - 12750.0000 MHz	3M52G7W		Digital
12500.0000 - 12750.0000 MHz	5M77G7W		Digital
11700.0000 - 12200.0000 MHz	1M92G7D		Digital
11700.0000 - 12200.0000 MHz	3M85G7D		Digital
11700.0000 - 12200.0000 MHz	5M76G7D		Digital
11700.0000 - 12200.0000 MHz	7M68G7D		Digital

11700.0000 - 12200.0000 MHz	8M67G7D		Digital
11450.0000 - 11700.0000 MHz	1M76G7W		Digital
11450.0000 - 11700.0000 MHz	2M41G7W		Digital
11450.0000 - 11700.0000 MHz	3M52G7W		Digital
11450.0000 - 11700.0000 MHz	5M77G7W		Digital
10950.0000 - 11200.0000 MHz	1M76G7W		Digital
10950.0000 - 11200.0000 MHz	2M41G7W		Digital
10950.0000 - 11200.0000 MHz	3M52G7W		Digital
10950.0000 - 11200.0000 MHz	5M77G7W		Digital
ANTENNA ID: ESV9797	2.4 meters	Seatel	9797
14000.0000 - 14500.0000 MHz	100KG7D	37.00 dBW	Digital
14000.0000 - 14500.0000 MHz	1M17G7D	47.80 dBW	Digital
14000.0000 - 14500.0000 MHz	1M56G7D	49.10 dBW	Digital
14000.0000 - 14500.0000 MHz	200KG7D	40.00 dBW	Digital
14000.0000 - 14500.0000 MHz	300KG7D	41.80 dBW	Digital
14000.0000 - 14500.0000 MHz	390KG7D	43.00 dBW	Digital
14000.0000 - 14500.0000 MHz	50K0G7D	34.00 dBW	Digital
14000.0000 - 14500.0000 MHz	780KG7D	46.00 dBW	Digital
14000.0000 - 14500.0000 MHz	3M30G7W	54.94 dBW	Digital
14000.0000 - 14500.0000 MHz	4M00G7W	55.80 dBW	Digital
11700.0000 - 12200.0000 MHz	1M92G7D		Digital
11700.0000 - 12200.0000 MHz	3M85G7D		Digital
11700.0000 - 12200.0000 MHz	5M76G7D		Digital
11700.0000 - 12200.0000 MHz	7M68G7D		Digital
11700.0000 - 12200.0000 MHz	8M67G7D		Digital
11700.0000 - 12200.0000 MHz	150KG7D		Digital

11700.0000 - 12200.0000 MHz	27M0G7W		Digital
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SITE ID: SEATEL 75CM(USAT30)
LOCATION: 0.75CM (500 UNITS), OCEANS

ANTENNA ID: ESV75CM	0.75 meters	SEATEL	USAT 30
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14000.0000 - 14500.0000 MHz	840KG7W	40.62 dBW	DIGITAL
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11700.0000 - 12200.0000 MHz	1M59G7W		DIGITAL
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SITE ID: ORBIT 7103
LOCATION: 1.2M (250 UNITS), LA

ANTENNA ID: ORBIT7103	1.2 meters	ORBIT	7103
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14000.0000 - 14500.0000 MHz	1M1G7D	42.50 dBW	DIGITAL
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14000.0000 - 14500.0000 MHz	4M68G7D	48.50 dBW	DIGITAL
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11700.0000 - 12200.0000 MHz	8M67G7D		DIGITAL
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SITE ID: INTELLIAN V60
LOCATION: 0.6M. (500 UNITS) GM AO PO CARRIBBEAN SEA, US WATERWAYS

ANTENNA ID: INEL60CM	0.6 meters	INTELLIAN TECHNOLOGIES	INTELLIAN V60
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14000.0000 - 14500.0000 MHz	567KG7W	37.22 dBW	DIGITAL
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14000.0000 - 14500.0000 MHz	3M00G7W	44.29 dBW	DIGITAL
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11700.0000 - 12200.0000 MHz	2M30G7W		DIGITAL
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SITE ID: INTELLIAN V80
LOCATION: 0.83M. (500 UNITS) GM AO PO CARRIBBEAN SEA, US WATERWAYS

ANTENNA ID: INTE83CM	0.83 meters	INTELLIAN	INTELLIAN V80
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14000.0000 - 14500.0000 MHz	248KG7W	37.80 dBW	DIGITAL
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14000.0000 - 14500.0000 MHz	1M50G7W	44.78 dBW	DIGITAL
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14000.0000 - 14500.0000 MHz	2M05G7W	44.13 dBW	DIGITAL
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11700.0000 - 12200.0000 MHz	2M30G7W		DIGITAL
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SITE ID: ST5000-2.4
LOCATION: 4400 S. SAM HOUSTON CENTER US AND INTERNATIONAL WATERWAYS, HOUSTON, TX

ANTENNA ID: ST5000C	2.4 meters	HARRIS CAPROCK	ST5000
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5925.0000 - 6425.0000 MHz	1M00G7D	58.30 dBW	UP TO 32 APSK
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5925.0000 - 6425.0000 MHz	20M0G7D	61.40 dBW	UP TO 32 APSK
3700.0000 - 4200.0000 MHz	1M00G7D		UP TO 32 APSK
3700.0000 - 4200.0000 MHz	20M0G7D		UP TO 32 APSK
ANTENNA ID: ST5000KU	2.4 meters	HARRIS CAPROCK	ST5000
14000.0000 - 14500.0000 MHz	1M00G7D	53.40 dBW	UP TO 32 APSK
14000.0000 - 14500.0000 MHz	20M0G7D	66.40 dBW	UP TO 32 APSK
11700.0000 - 12200.0000 MHz	1M00G7D	0.00 dBW	UP TO 32 APSK
11700.0000 - 12200.0000 MHz	20M0G7D		UP TO 32 APSK
ANTENNA ID: ST5000KA	2.4 meters	HARRIS CAPROCK	ST5000
29250.0000 - 30000.0000 MHz	1M00G7D	69.40 dBW	UP TO 32 APSK
29250.0000 - 30000.0000 MHz	40M0G7D	69.40 dBW	UP TO 32 APSK
28600.0000 - 29100.0000 MHz	1M00G7D	69.40 dBW	UP TO 32 APSK
28600.0000 - 29100.0000 MHz	40M0G7D	69.40 dBW	UP TO 32 APSK
28350.0000 - 28600.0000 MHz	1M00G7D	69.40 dBW	UP TO 32 APSK
28350.0000 - 28600.0000 MHz	40M0G7D	69.40 dBW	UP TO 32 APSK
27600.0000 - 28400.0000 MHz	1M00G7D	69.40 dBW	UP TO 32 APSK
27600.0000 - 28400.0000 MHz	40M0G7D	69.40 dBW	UP TO 32 APSK
19700.0000 - 20200.0000 MHz	1M00G7D		UP TO 32 APSK
19700.0000 - 20200.0000 MHz	40M0G7D		UP TO 32 APSK
18800.0000 - 19300.0000 MHz	1M00G7D		UP TO 32 APSK
18800.0000 - 19300.0000 MHz	40M0G7D		UP TO 32 APSK
18300.0000 - 18800.0000 MHz	40M0G7D		UP TO 32 APSK
18300.0000 - 18800.0000 MHz	1M00G7D		UP TO 32 APSK
17800.0000 - 18600.0000 MHz	1M00G7D		UP TO 32 APSK
17800.0000 - 18600.0000 MHz	40M0G7D		UP TO 32 APSK

SITE ID: KYWAY-1-ESV
LOCATION: 4400 S. Sam Houston Pkwy, Harris, Houston, TX

ANTENNA ID:	KYWAY-1	0.7 meters	KYMETA CORPORATION	TYPE 1
	14000.0000 - 14500.0000 MHz	6M96G1D	43.00 dBW	DATA
	14000.0000 - 14500.0000 MHz	611KG1D	40.84 dBW	DATA
	14000.0000 - 14500.0000 MHz	5M00G1D	43.00 dBW	DATA
	14000.0000 - 14500.0000 MHz	3M00G1D	43.00 dBW	DATA
	14000.0000 - 14500.0000 MHz	1M50G1D	43.00 dBW	DATA
	11700.0000 - 12200.0000 MHz	36M0G1D		DATA
	11700.0000 - 12200.0000 MHz	1M50G1D		DATA
	11450.0000 - 11700.0000 MHz	36M0G1D		DATA
	11450.0000 - 11700.0000 MHz	1M50G1D		DATA
	10950.0000 - 11200.0000 MHz	36M0G1D		DATA
	10950.0000 - 11200.0000 MHz	1M50G1D		DATA

Points of Communication:

ESV - PERMITTED LIST - ()

INTELLIAN V60 - GALAXY 25 (S2154) - (93.1 W.L.)

INTELLIAN V60 - PERMITTED LIST - ()

INTELLIAN V80 - GALAXY 25 (S2154) - (93.1 W.L.)

INTELLIAN V80 - PERMITTED LIST - ()

KYWAY-1-ESV - PERMITTED LIST - ()

Oceans - Eutelsat113WA(S2695) - (113 W.L.)

Oceans - TELSTAR 11N (S2357) - (37.5 W.L.)

ORBIT 7103 - PERMITTED LIST - ()

ORBIT 7103 - TELSTAR 11N (S2357) - (37.5 W.L.)

SEATEL 75CM(USAT30) - ESTRELA DO SUL 2 - (63 W.L.)

SEATEL 75CM(USAT30) - PERMITTED LIST - ()

ST5000-2.4 - O3B-A (S2935) - (NGSO)

ST5000-2.4 - PERMITTED LIST - ()

SES-RWL-20210816-01488 E KA91 AT&T Corp.

Renewal

11/12/2021 - 11/12/2036

Grant of Authority

Date Effective: 08/24/2021

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1700 SOUTH BARDMAN AVENUE, LOS ANGELES, MALIBU, CA

34 ° 4 ' 49.70 " N LAT.

118 ° 53 ' 47.20 " W LONG.

ANTENNA ID:	1	32 meters	ROHR INDUSTRIES, INC	10578
5850.0000 - 6425.0000 MHz		18M0F3F-	85.40 dBW	TV
5850.0000 - 6425.0000 MHz		30M0F3F	85.40 dBW	
5850.0000 - 6425.0000 MHz		1M13F8W-	71.70 dBW	(FDM-FM)
5850.0000 - 6425.0000 MHz		36M0F8W	87.90 dBW	(FDM-FM)
5850.0000 - 6425.0000 MHz		72M0G7W	84.80 dBW	(TDMA)
5850.0000 - 6425.0000 MHz		54K6G7W	67.50 dBW	IDR
5850.0000 - 6425.0000 MHz		437KG7W	76.80 dBW	IDR
5850.0000 - 6425.0000 MHz		874KG7W-	79.80 dBW	IDR
5850.0000 - 6425.0000 MHz		1M31G7W	81.60 dBW	IDR
5850.0000 - 6425.0000 MHz		1M72G7W-	82.80 dBW	IDR
5850.0000 - 6425.0000 MHz		5M13G7W	87.50 dBW	IDR
5850.0000 - 6425.0000 MHz		6M84G7W	85.90 dBW	IDR
5850.0000 - 6425.0000 MHz		81K9G7W	68.00 dBW	IBS
5850.0000 - 6425.0000 MHz		164KG7W	71.00 dBW	IBS
5850.0000 - 6425.0000 MHz		328KG7W	74.00 dBW	IBS
5850.0000 - 6425.0000 MHz		492KG7W	75.80 dBW	IBS
5850.0000 - 6425.0000 MHz		655KG7W	77.00 dBW	IBS
5850.0000 - 6425.0000 MHz		983KG7W	78.80 dBW	IBS
5850.0000 - 6425.0000 MHz		1M97G7W	81.80 dBW	IBS
5850.0000 - 6425.0000 MHz		2M62G7W	83.10 dBW	IBS

5850.0000 - 6425.0000 MHz	8M34G7W	87.40 dBW	IBS
5850.0000 - 6425.0000 MHz	11M2G7W	88.60 dBW	IBS
5850.0000 - 6425.0000 MHz	54K6G7W	69.60 dBW	IBS
5850.0000 - 6425.0000 MHz	109KG7W	72.60 dBW	IBS
5850.0000 - 6425.0000 MHz	218KG7W	75.60 dBW	IBS
5850.0000 - 6425.0000 MHz	328KG7W	77.40 dBW	IBS
5850.0000 - 6425.0000 MHz	437KG7W	78.60 dBW	IBS
5850.0000 - 6425.0000 MHz	655KG7W	80.40 dBW	IBS
5850.0000 - 6425.0000 MHz	1M31G7W	83.40 dBW	IBS
5850.0000 - 6425.0000 MHz	1M75G7W	84.70 dBW	IBS
5850.0000 - 6425.0000 MHz	5M56G7W	88.90 dBW	IBS
5850.0000 - 6425.0000 MHz	7M44G7W	90.10 dBW	IBS
5850.0000 - 6425.0000 MHz	30M7G7W	77.00 dBW	(TDMA)
5850.0000 - 6425.0000 MHz	66M8G7W	81.20 dBW	(TDMA)
5850.0000 - 6425.0000 MHz	307KG7W	55.70 dBW	(TDMA)
5850.0000 - 6425.0000 MHz	614KG7W	55.70 dBW	(TDMA)
5850.0000 - 6425.0000 MHz	1M23G7W	55.70 dBW	(TDMA)
5850.0000 - 6425.0000 MHz	38K4G7W	66.50 dBW	SCPC
5850.0000 - 6425.0000 MHz	30M0G7W	77.00 dBW	IDR
5850.0000 - 6425.0000 MHz	33M4G7W	77.10 dBW	IDR
5850.0000 - 6425.0000 MHz	72M0G7W	88.80 dBW	IDR
5850.0000 - 6425.0000 MHz	36M0G7W	77.00 dBW	IDR
5850.0000 - 6425.0000 MHz	36M0G7W	77.00 dBW	IDR
5850.0000 - 6425.0000 MHz	33M4G7W	77.00 dBW	IDR
3625.0000 - 4200.0000 MHz	18M0F3F		
3625.0000 - 4200.0000 MHz	30M0F3F		

3625.0000 - 4200.0000 MHz	1M13F8W
3625.0000 - 4200.0000 MHz	36M0F8W
3625.0000 - 4200.0000 MHz	72M0G7W
3625.0000 - 4200.0000 MHz	54K6G7W
3625.0000 - 4200.0000 MHz	437KG7W
3625.0000 - 4200.0000 MHz	874KG7W
3625.0000 - 4200.0000 MHz	1M31G7W
3625.0000 - 4200.0000 MHz	1M72G7W
3625.0000 - 4200.0000 MHz	5M13G7W
3625.0000 - 4200.0000 MHz	6M84G7W
3625.0000 - 4200.0000 MHz	81K9G7W
3625.0000 - 4200.0000 MHz	164KG7W
3625.0000 - 4200.0000 MHz	328KG7W
3625.0000 - 4200.0000 MHz	492KG7W
3625.0000 - 4200.0000 MHz	655KG7W
3625.0000 - 4200.0000 MHz	983KG7W
3625.0000 - 4200.0000 MHz	1M97G7W
3625.0000 - 4200.0000 MHz	2M62G7W
3625.0000 - 4200.0000 MHz	8M34G7W
3625.0000 - 4200.0000 MHz	11M2G7W
3625.0000 - 4200.0000 MHz	54K6G7W
3625.0000 - 4200.0000 MHz	109KG7W
3625.0000 - 4200.0000 MHz	218KG7W
3625.0000 - 4200.0000 MHz	328KG7W
3625.0000 - 4200.0000 MHz	437KG7W
3625.0000 - 4200.0000 MHz	655KG7W

3625.0000 - 4200.0000 MHz	1M31G7W
3625.0000 - 4200.0000 MHz	1M75G7W
3625.0000 - 4200.0000 MHz	5M56G7W
3625.0000 - 4200.0000 MHz	7M44G7W
3625.0000 - 4200.0000 MHz	30M7G7W
3625.0000 - 4200.0000 MHz	66M8G7W
3625.0000 - 4200.0000 MHz	307KG7W
3625.0000 - 4200.0000 MHz	614KG7W
3625.0000 - 4200.0000 MHz	1M23G7W
3625.0000 - 4200.0000 MHz	38K4G7W
3625.0000 - 4200.0000 MHz	30M0G7W
3625.0000 - 4200.0000 MHz	33M4G7W
3625.0000 - 4200.0000 MHz	72M0G7W
3625.0000 - 4200.0000 MHz	36M0G7W
3625.0000 - 4200.0000 MHz	36M0G7W
3625.0000 - 4200.0000 MHz	33M4G7W

Points of Communication:

- 1 - INTELSAT 18 (S2817) - (180 E.L.)
- 1 - INTELSAT 21 (S2863) - (58.0 W.L.)
- 1 - INTELSAT 23 - (53 W. L.)
- 1 - INTELSAT 34(S2915) - (55.5 W.L.)
- 1 - PERMITTED LIST - ()

SES-RWL-20210817-01485 E E060336 Meredith Corporation - WSMV

Renewal

10/10/2021 - 10/10/2036

Grant of Authority

Date Effective: 08/24/2021

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: WSMV, VARIOUS

ANTENNA ID: 1	1.2 meters	AvL	1200K DSNG
14000.0000 - 14500.0000 MHz	24M0G7F	61.39 dBW	PSK Digital Video w/ digital audio/data

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20210818-01500	E E2308	Alascom, Inc.	10/03/2021 - 10/03/2036
Renewal			Date Effective: 08/24/2021
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: MARSHALL, AK
61 ° 52 ' 53.00 " N LAT. 162 ° 5 ' 9.00 " W LONG.

ANTENNA ID: 1	4.5 meters	ANDREW CORPORATION	MODEL ESA45-39239
5925.0000 - 6425.0000 MHz	30F9	47.90 dBW	
5925.0000 - 6425.0000 MHz	24K0G1D	40.60 dBW	
5925.0000 - 6425.0000 MHz	86K4G1D	50.60 dBW	
5925.0000 - 6425.0000 MHz	75K6G1D	50.10 dBW	
5925.0000 - 6425.0000 MHz	53K3G1W	48.90 dBW	
5925.0000 - 6425.0000 MHz	26K7G1W	45.90 dBW	
5925.0000 - 6425.0000 MHz	13K3G1E	42.90 dBW	
5925.0000 - 6425.0000 MHz	30K0F3W	40.50 dBW	
3700.0000 - 4200.0000 MHz	30F9		
3700.0000 - 4200.0000 MHz	25000F9		
3700.0000 - 4200.0000 MHz	24K0G1D		
3700.0000 - 4200.0000 MHz	86K4G1D		
3700.0000 - 4200.0000 MHz	75K6G1D		
3700.0000 - 4200.0000 MHz	53K3G1W		

3700.0000 - 4200.0000 MHz	26K7G1W
3700.0000 - 4200.0000 MHz	13K3G1E
3700.0000 - 4200.0000 MHz	30K0F3W

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20210818-01502	E E2432	Alascom, Inc.	
Renewal			10/03/2021 - 10/03/2036
Grant of Authority			Date Effective: 08/24/2021

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: NSN, GOODNEWS BAY, AK
59 ° 7 ' 6.70 " N LAT.

161 ° 35 ' 21.00 " W LONG.

ANTENNA ID: 1	4.5 meters	ANDREW CORPORATION	ESA45-46A
5925.0000 - 6425.0000 MHz	13M9G1D	59.80 dBW	VARIOUS PSK & QAM - DATA
5925.0000 - 6425.0000 MHz	13M9G7W	59.80 dBW	VARIOUS PSK & QAM - DATA
5925.0000 - 6425.0000 MHz	29K0G1D	52.70 dBW	VARIOUS PSK & QAM - DATA
5925.0000 - 6425.0000 MHz	57K0G7W	55.60 dBW	VARIOUS PSK & QAM - DATA
3700.0000 - 4200.0000 MHz	13M9G7W	0.00 dBW	VARIOUS PSK & QAM - DATA
3700.0000 - 4200.0000 MHz	57K0G7W	0.00 dBW	VARIOUS PSK & QAM - DATA
3700.0000 - 4200.0000 MHz	29K0G1D	0.00 dBW	VARIOUS PSK & QAM - DATA
3700.0000 - 4200.0000 MHz	13M9G1D		VARIOUS PSK & QAM - VOICE AND DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20210818-01503	E E2433	Alascom, Inc.	
Renewal			10/03/2021 - 10/03/2036
Grant of Authority			Date Effective: 08/24/2021

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: QUINHAGAK, AK
59 ° 45 ' 6.00 " N LAT.

161 ° 53 ' 48.00 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORPORATION	MODEL ESA5-46A
5925.0000 - 6425.0000 MHz			30K0F3W	70.00 dBW
5925.0000 - 6425.0000 MHz			24K0G1D	40.60 dBW
5925.0000 - 6425.0000 MHz			86K4G1D	54.80 dBW
5925.0000 - 6425.0000 MHz			75K6G1D	54.20 dBW
5925.0000 - 6425.0000 MHz			53K3G1W	54.10 dBW
5925.0000 - 6425.0000 MHz			26K7G1W	51.00 dBW
5925.0000 - 6425.0000 MHz			13K3G1E	36.60 dBW
3700.0000 - 4200.0000 MHz			30K0F3W	
3700.0000 - 4200.0000 MHz			24K0G1D	
3700.0000 - 4200.0000 MHz			86K4G1D	
3700.0000 - 4200.0000 MHz			75K6G1D	
3700.0000 - 4200.0000 MHz			53K3G1W	
3700.0000 - 4200.0000 MHz			26K7G1W	
3700.0000 - 4200.0000 MHz			13K3G1E	

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20210818-01504 E E2430 Alascom, Inc.
Renewal
Grant of Authority

10/03/2021 - 10/03/2036
Date Effective: 08/24/2021

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: CHEVAK, AK
61 ° 31 ' 53.00 " N LAT.

165 ° 35 ' 42.00 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORPORATION	MODEL ESA5-46A
5925.0000 - 6425.0000 MHz			30F9	49.90 dBW

5925.0000 - 6425.0000 MHz	24K0G1D	40.60 dBW
5925.0000 - 6425.0000 MHz	86K4G1D	54.80 dBW
5925.0000 - 6425.0000 MHz	75K6G1D	54.20 dBW
5925.0000 - 6425.0000 MHz	53K3G1W	54.10 dBW
5925.0000 - 6425.0000 MHz	26K7G1W	51.10 dBW
5925.0000 - 6425.0000 MHz	13K3G1E	48.00 dBW
3700.0000 - 4200.0000 MHz	25000F9	
3700.0000 - 4200.0000 MHz	30F9	
3700.0000 - 4200.0000 MHz	24K0G1D	
3700.0000 - 4200.0000 MHz	86K4G1D	
3700.0000 - 4200.0000 MHz	75K6G1D	
3700.0000 - 4200.0000 MHz	53K3G1W	
3700.0000 - 4200.0000 MHz	26K7G1W	
3700.0000 - 4200.0000 MHz	13K3G1E	

Points of Communication:

1 - PERMITTED LIST - ()

SES-STA-20180806-02091	E	Universal Space Network, Inc.	
Special Temporary Authority			
Withdrawn			Date Effective: 08/26/2021

Class of Station:

Points of Communication:

SES-STA-20180917-02723	E KB27	SES Americom, Inc.	
Special Temporary Authority			
Grant of Authority			Date Effective: 08/30/2021

Class of Station:

Administrative grant to reflect operations pursuant to Section 1.62 of the Commission's rules.

Points of Communication:

SES-STA-20180917-02724 E E120055 SES Americom, Inc.
Special Temporary Authority
Grant of Authority

Date Effective: 08/30/2021

Class of Station:

Administrative grant to reflect operations pursuant to Section 1.62 of the Commission's rules.

Points of Communication:

SES-STA-20190129-00048 E E181423 Haras Development
Special Temporary Authority
Grant of Authority

Date Effective: 08/30/2021

Class of Station:

Administrative grant to reflect operations pursuant to Section 1.62 of the Commission's rules.

Points of Communication:

SES-STA-20190327-00490 E E181423 Haras Development
Special Temporary Authority
Grant of Authority

Date Effective: 08/31/2021

Class of Station:

Administrative grant to reflect operations pursuant to Section 1.62 of the Commission's rules.

Points of Communication:

SES-STA-20190429-00553 E E181423 Haras Development
Special Temporary Authority
Grant of Authority

Date Effective: 08/31/2021

Class of Station:

Administrative grant to reflect operations pursuant to Section 1.62 of the Commission's rules.

Points of Communication:

SES-STA-20190909-01174 E Universal Space Network, Inc.
Special Temporary Authority
Withdrawn

Date Effective: 08/27/2021

Class of Station:

Points of Communication:

SES-STA-20200218-00164 E Universal Space Network, Inc.
Special Temporary Authority
Withdrawn Date Effective: 08/27/2021

Class of Station:

Points of Communication:

SES-STA-20200221-00180 E Universal Space Network, Inc.
Special Temporary Authority
Withdrawn Date Effective: 08/27/2021

Class of Station:

Points of Communication:

SES-STA-20200429-00463 E Universal Space Network, Inc.
Special Temporary Authority
Withdrawn Date Effective: 08/30/2021

Class of Station:

Points of Communication:

SES-STA-20200604-00596 E Universal Space Network, Inc.
Special Temporary Authority
Withdrawn Date Effective: 08/27/2021

Class of Station:

Points of Communication:

SES-STA-20200806-00835 E E181423 Haras Development
Special Temporary Authority
Grant of Authority Date Effective: 08/31/2021

Class of Station:

Administrative grant to reflect operations pursuant to Section 1.62 of the Commission's rules.

Points of Communication:

SES-STA-20201007-01102 E Universal Space Network, Inc.
Special Temporary Authority
Withdrawn Date Effective: 08/27/2021

Class of Station:

Points of Communication:

SES-STA-20201009-01124 E Universal Space Network, Inc.
Special Temporary Authority
Withdrawn Date Effective: 08/30/2021

Class of Station:

Points of Communication:

SES-STA-20201124-01267	E	E181423	Haras Development	
Special Temporary Authority				
Grant of Authority				Date Effective: 08/31/2021

Class of Station:

Administrative grant to reflect operations pursuant to Section 1.62 of the Commission's rules.

Points of Communication:

SES-STA-20210311-00463	E		Universal Space Network, Inc.	
Special Temporary Authority				
Withdrawn				Date Effective: 08/30/2021

Class of Station:

Points of Communication:

SES-STA-20210525-00841	E	E210117	MCI Communications Services LLC	
Special Temporary Authority				
Withdrawn				Date Effective: 08/27/2021

Class of Station:

Points of Communication:

SES-STA-20210713-01037	E	E120106	Intelsat License LLC, as debtor-in-possession	
Special Temporary Authority				
Grant of Authority				Date Effective: 08/26/2021

Class of Station:

On August 26, 2021, Intelsat Licensee LLC, as debtor-in-possession was granted special temporary authority for 60 days, beginning on August 26, 2021, to operate 400 earth station aboard aircraft antennas (ESAA) in the Fixed Satellite Service to communicate with the Galaxy 16 (S2687) satellite at the 99° W.L. orbital location, and the Galaxy 18 (S2733) satellite at the 123° W.L. orbital location in the 14.0-14.5 GHz (Earth-to-space) and 11.7-12.2 GHz (space-to-Earth) frequency bands.

Points of Communication:

SES-STA-20210713-01065	E	E210090	SpaceX Services, Inc.	
Special Temporary Authority				
Grant of Authority				Date Effective: 08/31/2021

Class of Station:

On August 31, 2021, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on August 31, 2021, to operate its fixed earth station in Fairbanks AK with NGSO) SpaceX Starlink (S2983/3018) satellite constellation in the 27500-29100 MHz and 29500-30000 MHz (Earth-to-space), 17800-18600 MHz and 18800-19300 MHz (space-to-Earth) frequency bands.

Points of Communication:

SES-STA-20210723-01277 E E210110 SpaceX Services, Inc.
Special Temporary Authority
Grant of Authority

Date Effective: 08/31/2021

Class of Station:

On August 31, 2021, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on August 31, 2021, to operate its fixed earth station in Honolulu, HI with (NGSO) SpaceX Starlink (S2983/3018) satellite constellation in the 28350-29100 MHz and 29500-30000 MHz (Earth-to-space), and 17800-18600 MHz and 18800-19300 MHz (space-to-Earth) frequency bands.

Points of Communication:

SES-STA-20210806-01349 E E210043 SpaceX Services, Inc.
Special Temporary Authority
Grant of Authority

Date Effective: 08/31/2021

Class of Station:

On August 31, 2021, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on August 31, 2021, to operate its fixed earth station in Hillman, MI with (NGSO) SpaceX Starlink (S2983/3018) satellite constellation in the 27500-29100 MHz and 29500-30000 MHz (Earth-to-space), and 17800-18600 MHz and 18800-19300 MHz (space-to-Earth) frequency bands.

Points of Communication:

SES-STA-20210810-01358 E E080100 Anuvu Licensing Holdings LLC
Special Temporary Authority
Grant of Authority

Date Effective: 08/30/2021

Class of Station:

On August 30, 2021, Anuvu Licensing Holdings, LLC was granted a special temporary authority for 60 days beginning on August 31, 2021, to operate its Earth Stations Aboard Aircraft (ESAA) to communicate with the Eutelsat 139 West A (E139WA) satellite at the 139.2° W.L. orbital location in the 14.0-14.5 GHz (Earth-to-space), and 11.7-12.2 GHz (space-to-Earth) frequency bands.

Points of Communication:

SURRENDER

SES-MOD-20180912-02769 E7297 CARS Holding, Inc.

License surrendered by letter filed on August 27, 2021.

SES-REG-20181016-05934 E200624 BDJ Radio Enterprises, LLC

Registration was surrendered by letter filed on August 28, 2021.

SES-RWL-20100506-00561 E000210 Scripps Broadcasting Holdings LLC

License surrendered by letter filed on August 26, 2021.

For more information concerning this Notice, contact the Satellite Division at 418-0719; TTY 1-888-835-5322.