PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
45 L STREET NE
WASHINGTON D.C. 20554

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Internet: http://www.fcc.gov (or ftp.fcc.gov)
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Report No. SES-02552 **Wednesday March 22, 2023**

Satellite Communications Services Information

re: Actions Taken

The Commission, by its International Bureau, took the following actions pursuant to delegated authority. The effective dates of the actions are the dates specified.

SES-ASG-20220712-00752 E E201447 CCR-St. George IV, LLC
Application for Consent to Assignment
Consummated Date Effective: 07/12/2022

Current Licensee: CCR-ST GEORGE IV, LLC
FROM: CCR-ST. GEORGE IV, LLC
TO: Townsquare License, LLC

No. of Station(s) listed: 2

SES-ASG-20220712-00753 E E201450 CCR-Williston IV, LLC
Application for Consent to Assignment
Consummated Date Effective: 07/12/2022

Current Licensee: CCR-Williston IV, LLC
FROM: CCR-WILLISTON IV, LLC
TO: Townsquare License, LLC

No. of Station(s) listed: 2

SES-ASG-20220712-00754 E E201452 CCR-Wenatchee IV, LLC
Application for Consent to Assignment
Consummated Date Effective: 07/12/2022

Current Licensee: CCR-Wenatchee IV, LLC
FROM: CCR-WENATCHEE IV, LLC
TO: Townsquare License, LLC

No. of Station(s) listed: 1

SES-ASG-20220712-00755 E E201442 CCR-Montrose IV, LLC
Application for Consent to Assignment
Consummated Date Effective: 07/12/2022

Current Licensee: CCR-Montrose IV, LLC
FROM: CCR-MONTROSE IV, LLC
TO: Townsquare License, LLC

No. of Station(s) listed: 1

SES-ASG-20220712-00757 E E201445 CCR-Sierra Vista IV, LLC
Application for Consent to Assignment
Consummated Date Effective: 07/12/2022

Current Licensee: CCR-Sierra Vista IV, LLC
FROM: CCR-SIERRA VISTA IV, LLC
TO: Townsquare License, LLC

No. of Station(s) listed: 1

SES-ASG-20220712-00758 E E201544 CCR-Butte IV, LLC
Application for Consent to Assignment
Consummated Date Effective: 07/12/2022

Current Licensee: CCR-Butte IV, LLC
FROM: CCR-BUTTE IV, LLC
TO: Townsquare License, LLC

No. of Station(s) listed: 1

SES-ASG-20220712-00759 E E201549 CCR-Great Falls IV, LLC
Application for Consent to Assignment
Consummated Date Effective: 07/12/2022

Current Licensee: CCR-Great Falls IV, LLC
FROM: CCR-GREAT FALLS IV, LLC
TO: Townsquare License, LLC

No. of Station(s) listed: 1

SES-ASG-20220713-00756 E E201448 CCR-Tri Cities IV, LLC
Application for Consent to Assignment
Consummated Date Effective: 07/13/2022

Current Licensee: CCR-Tri Cities IV, LLC
FROM: CCR-TRI CITIES IV, LLC
TO: Townsquare License, LLC

No. of Station(s) listed: 1

SES-ASG-20230130-00281 E E191468 ComSouth Telenet, LLC
Application for Consent to Assignment
Grant of Authority Date Effective: 03/15/2023

Current Licensee: ComSouth Telesys, Inc.
FROM: ComSouth Telesys, Inc.
TO: ComSouth Telenet, LLC

No. of Station(s) listed: 1

SES-LIC-20220131-00111 E E220022 WorldVu Satellites Limited
Application for Authority 03/17/2023 - 03/17/2038
Grant of Authority Date Effective: 03/17/2023

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: SNP Gateway
LOCATION: 570 Chalan Teleforo Road, Pulantat, Yona, GU
13 ° 25 ' 6.40 " N LAT. 144 ° 45 ' 6.20 " E LONG.

ANTENNA ID: Viasat 3.7 3.7 meters Viasat 3.7 meter

27500.0000 - 29100.0000 MHz	250MG7D	66.00 dBW	Adaptive Code Modulation utilizing QPSK, 8PSK, 16QAM, 32QAM, or 64QAM at variable coding rates.
29500.0000 - 30000.0000 MHz	250MG7D	66.00 dBW	Adaptive Code Modulation utilizing QPSK, 8PSK, 16QAM, 32QAM, or 64QAM at variable coding rates.
17800.0000 - 18600.0000 MHz	20M0G7D	0.00 dBW	Emission range of 2M40G7D − 20M0G7D using Adaptive Code Modulation with QPSK, 8PSK, 16QAM, 32QAM, or 64QAM at variable coding rates.
17800.0000 - 18600.0000 MHz	2M40G7D	0.00 dBW	Emission range of 2M40G7D − 20M0G7D using Adaptive Code Modulation with QPSK, 8PSK, 16QAM, 32QAM, or 64QAM at variable coding rates.
18800.0000 - 19300.0000 MHz	20M0G7D	0.00 dBW	Emission range of 2M40G7D − 20M0G7D using Adaptive Code Modulation with QPSK, 8PSK, 16QAM, 32QAM, or 64QAM at variable coding rates.
18800.0000 - 19300.0000 MHz	2M40G7D	0.00 dBW	Emission range of 2M40G7D − 20M0G7D using Adaptive Code Modulation with QPSK, 8PSK, 16QAM, 32QAM, or 64QAM at variable coding rates.
27524.9700 - 27525.0300 MHz	1M00G7W	27.70 dBW	TT&C
19278.7500 - 19281.2500 MHz	2M50G7D		TT&C

Points of Communication:

SNP Gateway - ONEWEB (S2963) - (NGSO)

SES-MOD-20230131-00092 E E940299 BFI Licenses, LLC
Application for Modification 08/05/2019 - 08/05/2034
Grant of Authority Date Effective: 03/16/2023

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 6221 HOLLY DRIVE, ANOKA, LINO LAKES, MN
45 ° 7 ' 56.00 " N LAT. 93 ° 5 ' 41.00 " W LONG.

ANTENNA ID: 1 9 meters VERTEX 9KPC

5925.0000 - 6425.0000 MHz	36M0F8W	75.90 dBW
5925.0000 - 6425.0000 MHz	358KG7W	63.80 dBW
5925.0000 - 6425.0000 MHz	716KG7W	63.80 dBW
5925.0000 - 6425.0000 MHz	200KF3E	60.80 dBW
5925.0000 - 6425.0000 MHz	6M60G7D	79.80 dBW
3700.0000 - 4200.0000 MHz	36M0F8W	
3700.0000 - 4200.0000 MHz	358KG7W	
3700.0000 - 4200.0000 MHz	716KG7W	
3700.0000 - 4200.0000 MHz	200KF3E	
3700.0000 - 4200.0000 MHz	6M60G7D	

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20230131-00093 E E4394 BFI Licenses, LLC
Application for Modification 07/16/2017 - 07/16/2032
Grant of Authority Date Effective: 03/16/2023

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 6221 Holly Drive, ANOKA, LINO LAKES, MN
45 ° 7 ' 56.00 " N LAT. 93 ° 5 ' 43.00 " W LONG.

ANTENNA ID: 1 10 meters ANDREW ESA10

5925.0000 - 6425.0000 MHz	358KG7W	63.80 dBW
5925.0000 - 6425.0000 MHz	716KG7W	63.80 dBW
5925.0000 - 6425.0000 MHz	200KF3E	60.80 dBW
5925.0000 - 6425.0000 MHz	6M60G7D	76.80 dBW
5925.0000 - 6425.0000 MHz	36M0F8W	76.50 dBW

3700.0000 - 4200.0000 MHz	358KG7W
3700.0000 - 4200.0000 MHz	716KG7W
3700.0000 - 4200.0000 MHz	200KF3E
3700.0000 - 4200.0000 MHz	6M60G7D
3700.0000 - 4200.0000 MHz	36M0F8W

ANTENNA ID: 2 9.3 meters ANDREW ESA 93-46

5925.0000 - 6425.0000 MHz	358KG7W	63.80 dBW
5925.0000 - 6425.0000 MHz	716KG7W	63.80 dBW
5925.0000 - 6425.0000 MHz	200KF3E	60.80 dBW
5925.0000 - 6425.0000 MHz	6M60G7D	76.80 dBW
5925.0000 - 6425.0000 MHz	36M0F8W	76.50 dBW
3700.0000 - 4200.0000 MHz	358KG7W	
3700.0000 - 4200.0000 MHz	716KG7W	
3700.0000 - 4200.0000 MHz	200KF3E	
3700.0000 - 4200.0000 MHz	6M60G7D	
3700.0000 - 4200.0000 MHz	36M0F8W	

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20230131-00094 E E940300 BFI Licenses, LLC
Application for Modification 08/05/2019 - 08/05/2034
Grant of Authority Date Effective: 03/16/2023

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 6221 HOLY DRIVE, ANOKA, LINO LAKES, MN
45 ° 7 ' 56.00 " N LAT. 93 ° 5 ' 44.00 " W LONG.

ANTENNA ID: 1 9.3 meters ANDREW ESA 9.3-46

5925.0000 - 6425.0000 MHz	36M0F8W	76.30 dBW

5925.0000 - 6425.0000 MHz	358KG7W	63.80 dBW
5925.0000 - 6425.0000 MHz	716KG7W	63.80 dBW
5925.0000 - 6425.0000 MHz	200KF3E	60.80 dBW
5925.0000 - 6425.0000 MHz	6M60G7D	79.80 dBW
3700.0000 - 4200.0000 MHz	36M0F8W	
3700.0000 - 4200.0000 MHz	358KG7W	
3700.0000 - 4200.0000 MHz	716KG7W	
3700.0000 - 4200.0000 MHz	200KF3E	
3700.0000 - 4200.0000 MHz	6M60G7D	

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20230201-00110 E E990422 Comsat, Inc.
Application for Modification 10/09/2011 - 10/09/2026
Grant of Authority Date Effective: 03/16/2023

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 7676 PINE GROVE ROAD, VENTURA, SANTA PAULA, CA
34 ° 24 ' 6.00 " N LAT. 119 ° 4 ' 21.80 " W LONG.

ANTENNA ID: 1 1.8 meters ANDERSEN MFG. TRUE FOCUS 1.8M

1626.5000 - 1652.5000 MHz	NON	42.00 dBW	UNMODULATED TT&C CARRIER. (Antenna is mounted on a pole with the height of 3.7m AGL)

Points of Communication:

1 - INMARSAT Ltd-3 - (178 E.L.)

1 - ISAT List -

SES-MOD-20230201-00112 E WA28 Comsat, Inc.
Application for Modification 04/08/2018 - 04/08/2033
Grant of Authority Date Effective: 03/16/2023

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 21CTTC/HUB
LOCATION: 2120 RIVER ROAD (12.8M.)-C-BAND/L-BAND, NEW HAVEN, SOUTHBURY, CT
41 ° 27 ' 4.10 " N LAT. 73 ° 17 ' 20.87 " W LONG.

ANTENNA ID: 21CTTC 12.8 meters PHILCO FORD 12.8M.

5925.0000 - 6425.0000 MHz	36M0F8W	86.50 dBW	ANALOG CARRIER TO MONITOR TRANSPONDER PERFORMANCE

SITE ID: 21CNORM
LOCATION: 2120 RIVER ROAD (12.8M.)-C-BAND, NEW HAVEN, SOUTHBURY, CT
41 ° 27 ' 4.10 " N LAT. 73 ° 17 ' 20.90 " W LONG.

ANTENNA ID: 21CNORM 12.8 meters PHILCO FORD 12.8M.

6454.4000 - 6456.6000 MHz	2M20G1D	80.70 dBW	BPSK SPREAD SPECTRUM DATA (NAVIGATION)
6425.0000 - 6454.0000 MHz	7K50G1W	58.40 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	7K50G1E	62.20 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	7K50G1D	59.10 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	60K0D1W	65.90 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	5K00G1W	51.90 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	5K00G1E	51.90 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	5K00G1D	61.80 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	45K0G7D	66.00 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	2K50G1D	65.70 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	2K50F1D	58.80 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	20K0G1E	56.80 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	17K5G1D	61.40 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	10K0G1X	61.20 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	10K0G1W	59.70 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	100KG1X	60.80 dBW	DIGITAL DATA
6424.0000 - 6454.0000 MHz	34K0F3E	62.00 dBW	FM TELEPHONY COMPANDED AND UNCOMPANDED
6424.0000 - 6454.0000 MHz	NON	62.00 dBW	UNMODULATED AFC PILOT (CLOSE LOOP)

6424.0000 - 6454.0000 MHz	27K0F3W	62.00 dBW	FM9 ANALOG BROADCAST CARRIER
6424.0000 - 6454.0000 MHz	400KG1F	62.00 dBW	QPSK, DIGITAL VIDEO/DATA
6424.0000 - 6454.0000 MHz	40K0G1D	63.30 dBW	16 QAM DIGITAL TELEPHONY
6424.0000 - 6454.0000 MHz	5K60G1E	54.80 dBW	QPSK, TELEPHONY
6424.0000 - 6454.0000 MHz	24K0G1E	61.10 dBW	QPSK, TELEPHONY
6424.0000 - 6454.0000 MHz	5K60G1W	54.80 dBW	QPSK, DATA/FAX
6424.0000 - 6454.0000 MHz	2M20G1D	62.00 dBW	BPSK, DATA/TDM
6424.0000 - 6454.0000 MHz	2K40G7D	51.10 dBW	BPSK, DATA/TDM
6424.0000 - 6454.0000 MHz	2K40G1D	51.10 dBW	BPSK, DATA/TDM
6424.0000 - 6454.0000 MHz	24K0G1W	61.10 dBW	QPSK, DATA/FAX
6424.0000 - 6454.0000 MHz	132KG7D	62.00 dBW	BPSK, DATA/TDM
5927.0000 - 5927.0000 MHz	NON	53.30 dBW	TT&C RANGING CARRIER
3947.0000 - 3953.0000 MHz	131KG2D		PCM/PSK/BI-PHASE TRACKING BEACON
3700.0000 - 4200.0000 MHz	36M0F8W		TEST ANALOG CARRIER TO MONITOR TRANSPONDER PERFORMANCE
3600.0000 - 3629.0000 MHz	2M20G1D		BPSK SPREAD SPECTRUM DATA-NAVIGATION CLOSE LOOP
3600.0000 - 3629.0000 MHz	34K0F3E		FM TELEPHONY COMPANDED AND UNCOMPANDED
3600.0000 - 3629.0000 MHz	NON		UNMODULATED AFC PILOT (CLOSE LOOP)
3600.0000 - 3629.0000 MHz	40K0G1W		16 QAM, DIGITAL TELEPHONY
3600.0000 - 3629.0000 MHz	400KG1F		QPSK, DIGITAL VIDEO/DATA
3600.0000 - 3629.0000 MHz	5K60G1E		QPSK, TELEPHONY
3600.0000 - 3629.0000 MHz	24K0G1E		QPSK, TELEPHONY
3600.0000 - 3629.0000 MHz	5K60G1W		QPSK, DATA/FAX
3600.0000 - 3629.0000 MHz	2K40G7D		BPSK, DATA/TDM
3600.0000 - 3629.0000 MHz	24K0G1W		QPSK, DATA/FAX

3600.0000 - 3629.0000 MHz	132KG7D	BPSK, DATA/TDM
3600.0000 - 3629.0000 MHz	7K50G1W	DIGITAL DATA
3600.0000 - 3629.0000 MHz	7K50G1E	DIGITAL DATA
3600.0000 - 3629.0000 MHz	7K50G1D	DIGITAL DATA
3600.0000 - 3629.0000 MHz	60K0D1W	DIGITAL DATA
3600.0000 - 3629.0000 MHz	5K00G1W	DIGITAL DATA
3600.0000 - 3629.0000 MHz	5K00G1E	DIGITAL DATA
3600.0000 - 3629.0000 MHz	5K00G1D	DIGITAL DATA
3600.0000 - 3629.0000 MHz	45K0G7D	DIGITAL DATA
3600.0000 - 3629.0000 MHz	2K50G1D	DIGITAL DATA
3600.0000 - 3629.0000 MHz	2K50F1D	DIGITAL DATA
3600.0000 - 3629.0000 MHz	20K0G1X	DIGITAL DATA
3600.0000 - 3629.0000 MHz	20K0G1E	DIGITAL DATA
3600.0000 - 3629.0000 MHz	17K5G1D	DIGITAL DATA
3600.0000 - 3629.0000 MHz	10K0G1W	DIGITAL DATA
3600.0000 - 3629.0000 MHz	100KG1X	DIGITAL DATA
3600.0000 - 3629.0000 MHz	2M20G1D	BPSK, DATA
3600.0000 - 3629.0000 MHz	2K40G1D	BPSK, DATA

SITE ID: 1
LOCATION: 2120 RIVER ROAD (12.8M.), NEW HAVEN, SOUTHBURY, CT
41 ° 27 ' 5.00 " N LAT. 73 ° 17 ' 21.00 " W LONG.

ANTENNA ID: 12.8M. 12.8 meters PHILCO-FORD 42 FOOT

6454.4000 - 6456.6000 MHz	600HG1D	44.50 dBW	DIGITAL CARRIER
6454.4000 - 6456.6000 MHz	600HG2D	44.50 dBW	DIGITAL CARRIER
6454.4000 - 6456.6000 MHz	1K20G2D	44.50 dBW	DIGITAL CARRIER
6454.4000 - 6456.6000 MHz	2K40G2D	44.50 dBW	DIGITAL CARRIER
6454.4000 - 6456.6000 MHz	10K5G2F	44.50 dBW	DIGITAL CARRIER

6454.4000 - 6456.6000 MHz	2M20G1D	78.00 dBW	DIGITAL CARRIER
6454.4000 - 6456.6000 MHz	2M20G1D	82.30 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	1K20G1D	44.50 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	600HG1D	44.50 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	600HG2D	44.50 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	1K20G2D	44.50 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	2K40G2D	44.50 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	10K5G2F	44.50 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	2M20G1D	78.00 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	2M20G1D	82.30 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	100KG1X	60.80 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	10K0G1W	59.70 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	10K0G1X	61.20 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	17K5G1D	61.40 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	20K0G1E	56.80 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	2K50F1D	58.80 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	2K50G1D	65.70 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	45K0G7D	66.00 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	5K00G1D	61.80 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	5K00G1E	51.90 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	5K00G1W	51.90 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	60K0D1W	65.90 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	7K50G1D	59.10 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	7K50G1E	62.20 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	7K50G1W	58.40 dBW	DIGITAL DATA
6425.0000 - 6443.0000 MHz	6K00G1D		Feeder link for INMARSAT-B & M

6425.0000 - 6443.0000 MHz	12K0G3E		Feeder link for INMARSAT-B & M
6425.0000 - 6443.0000 MHz	12K0G1D		Feeder link for INMARSAT-B & M
6425.0000 - 6443.0000 MHz	7K50G3E		Feeder link for INMARSAT-B & M
6425.0000 - 6443.0000 MHz	4K00G3E		Feeder link for INMARSAT-B & M
6425.0000 - 6443.0000 MHz	4K00G1D		Feeder link for INMARSAT-B & M
6420.0000 - 6424.0000 MHz	6K00G1D		Feeder link for INMARSAT-B & M
6420.0000 - 6424.0000 MHz	12K0G3E		Feeder link for INMARSAT-B & M
6420.0000 - 6424.0000 MHz	12K0G1D		Feeder link for INMARSAT-B & M
6420.0000 - 6424.0000 MHz	7K50G3E		Feeder link for INMARSAT-B & M
6420.0000 - 6424.0000 MHz	4K00G3E		Feeder link for INMARSAT-B & M
6420.0000 - 6424.0000 MHz	4K00G1D		Feeder link for INMARSAT-B & M
6417.5000 - 6443.0000 MHz	600HG1D	65.00 dBW	Aeronautical Digital transmit channels
6417.5000 - 6443.0000 MHz	1K20G1D	65.00 dBW	Aeronautical Digital transmit channels
6417.5000 - 6443.0000 MHz	2K40G1D	65.00 dBW	Aeronautical Digital transmit channels
6417.5000 - 6443.0000 MHz	10K5G1E	69.20 dBW	Aeronautical Digital transmit channels
6417.5000 - 6440.0000 MHz	30K0F3E	77.00 dBW	STD A VOICE
6417.5000 - 6440.0000 MHz	1K20G1D	77.00 dBW	STD A Telex
6417.5000 - 6440.0000 MHz	600HG1D	77.00 dBW	STD-C Digital
6417.5000 - 6440.0000 MHz	1K20G1D	77.00 dBW	STD-C Digital
6417.5000 - 6440.0000 MHz	NON	77.00 dBW	PILOT
4195.0000 - 4199.0000 MHz	3K00G1D		Feeder link for INMARSAT-B & M
4195.0000 - 4199.0000 MHz	12K0G3E		Feeder link for INMARSAT-B & M
4195.0000 - 4199.0000 MHz	12K0G1D		Feeder link for INMARSAT-B & M
4195.0000 - 4199.0000 MHz	7K50G3E		Feeder link for INMARSAT-B & M
4195.0000 - 4199.0000 MHz	4K00G3E		Feeder link for INMARSAT-B & M
4195.0000 - 4199.0000 MHz	4K00G1D		Feeder link for INMARSAT-B & M

3600.0000 - 3629.0000 MHz	2M20G1D	0.00 dBW	DIGITAL CARRIER
3600.0000 - 3629.0000 MHz	100KG1X		DIGITAL DATA
3600.0000 - 3629.0000 MHz	10K0G1W		DIGITAL DATA
3600.0000 - 3629.0000 MHz	17K5G1D		DIGITAL DATA
3600.0000 - 3629.0000 MHz	20K0G1E		DIGITAL DATA
3600.0000 - 3629.0000 MHz	20K0G1X		DIGITAL DATA
3600.0000 - 3629.0000 MHz	2K50F1D		DIGITAL DATA
3600.0000 - 3629.0000 MHz	2K50G1D		DIGITAL DATA
3600.0000 - 3629.0000 MHz	45K0G7D		DIGITAL DATA
3600.0000 - 3629.0000 MHz	5K00G1D		DIGITAL DATA
3600.0000 - 3629.0000 MHz	5K00G1E		DIGITAL DATA
3600.0000 - 3629.0000 MHz	5K00G1W		DIGITAL DATA
3600.0000 - 3629.0000 MHz	60K0D1W		DIGITAL DATA
3600.0000 - 3629.0000 MHz	7K50G1D		DIGITAL DATA
3600.0000 - 3629.0000 MHz	7K50G1E		DIGITAL DATA
3600.0000 - 3629.0000 MHz	7K50G1W		DIGITAL DATA
3600.0000 - 3623.0000 MHz	3K00G1D		Feeder link for INMARSAT-B & M
3600.0000 - 3623.0000 MHz	12K0G3E		Feeder link for INMARSAT-B & M
3600.0000 - 3623.0000 MHz	120KG1D		Feeder link for INMARSAT-B & M
3600.0000 - 3623.0000 MHz	7K50G3E		Feeder link for INMARSAT-B & M
3600.0000 - 3623.0000 MHz	4K00G3E		Feeder link for INMARSAT-B & M
3600.0000 - 3623.0000 MHz	4K00G1D		Feeder link for INMARSAT-B & M
3600.0000 - 3623.0000 MHz	10K5G1E		AERO
3600.0000 - 3623.0000 MHz	1K20G1D		AERO
3600.0000 - 3623.0000 MHz	600HG1D		AERO
3600.0000 - 3623.0000 MHz	2K40G1D		AERO

3600.0000 - 3620.0000 MHz	30K0F3E		STD A VOICE
3600.0000 - 3620.0000 MHz	4K80G1D		STD A TELEX
3600.0000 - 3620.0000 MHz	NON		PILOT
3600.0000 - 3620.0000 MHz	1K20G1D		STD-C
3600.0000 - 3620.0000 MHz	600HG1D		STD-C
1626.5000 - 1660.5000 MHz	24K0F3E	36.00 dBW	ANALOG CARRIER
1626.5000 - 1660.5000 MHz	NON	31.00 dBW	PILOT
1626.5000 - 1660.5000 MHz	24K0G2D	36.00 dBW	DIGITAL CARRIER
1626.5000 - 1660.5000 MHz	1K20G1D	36.00 dBW	DIGITAL CARRIER
1626.5000 - 1660.5000 MHz	600HG1D	36.00 dBW	DIGITAL CARRIER
1626.5000 - 1660.5000 MHz	600HG2D	36.00 dBW	DIGITAL CARRIER
1626.5000 - 1660.5000 MHz	1K20G2D	36.00 dBW	DIGITAL CARRIER
1626.5000 - 1660.5000 MHz	10K5G2F	36.00 dBW	DIGITAL CARRIER
1626.5000 - 1649.5000 MHz	600HG1D	15.00 dBW	AERO
1626.5000 - 1649.5000 MHz	1K20G1D	18.00 dBW	AERO
1626.5000 - 1649.5000 MHz	2K40G1D	21.00 dBW	AERO
1626.5000 - 1649.5000 MHz	10K5G1E	31.20 dBW	AERO
1626.5000 - 1647.5000 MHz	30K0F3E	37.00 dBW	STD A VOICE
1626.5000 - 1647.5000 MHz	NON	37.00 dBW	PILOT
1626.5000 - 1647.5000 MHz	1K20G1D	16.00 dBW	STD-C
1626.5000 - 1647.5000 MHz	600HG1D	16.00 dBW	STD-C
1626.5000 - 1647.5000 MHz	4K80G1D	37.00 dBW	STD A TELEX
1574.4000 - 1576.6000 MHz	2K40G2D		DIGITAL CARRIER
1574.4000 - 1576.6000 MHz	1K20G1D		DIGITAL CARRIER
1574.4000 - 1576.6000 MHz	600HG1D		DIGITAL CARRIER
1574.4000 - 1576.6000 MHz	600HG2D		DIGITAL CARRIER

1574.4000 - 1576.6000 MHz	1K20G2D		DIGITAL CARRIER
1574.4000 - 1576.6000 MHz	10K5G2F		DIGITAL CARRIER
1530.0000 - 1548.0000 MHz	10K5G1E		AERO
1530.0000 - 1548.0000 MHz	2K40G1D		AERO
1530.0000 - 1548.0000 MHz	1K20G1D		AERO
1530.0000 - 1548.0000 MHz	600HG1D		AERO
1530.0000 - 1545.0000 MHz	30K0F3E		STD A VOICE
1530.0000 - 1545.0000 MHz	NON		PILOT
1530.0000 - 1545.0000 MHz	1K20G1D		STD A TELEX
1530.0000 - 1545.0000 MHz	1K20G1D		STD-C
1530.0000 - 1545.0000 MHz	600HG1D		STD-C
1525.0000 - 1559.0000 MHz	2K40G2D	0.00 dBW	DIGITAL CARRIER
1525.0000 - 1559.0000 MHz	1K20G1D		DIGITAL CARRIER
1525.0000 - 1559.0000 MHz	600HG1D		DIGITAL CARRIER
1525.0000 - 1559.0000 MHz	600HG2D		DIGITAL CARRIER
1525.0000 - 1559.0000 MHz	1K20G2D		DIGITAL CARRIER
1525.0000 - 1559.0000 MHz	10K5G2F		DIGITAL CARRIER

SITE ID: 21LBAND
LOCATION: 2120 RIVER ROAD (12.8M.)-L-BAND, NEW HAVEN, SOUTHBURY, CT
41 ° 27 ' 4.10 " N LAT. 73 ° 17 ' 20.97 " W LONG.

ANTENNA ID: 21LBAND 12.8 meters PHILCO FORD 12.8M.

1626.5000 - 1660.5000 MHz	34K0F3E	36.00 dBW	TEST FM, TELEPHONY COMPANDED OR UNCOMPANDED
1626.5000 - 1660.5000 MHz	NON	40.50 dBW	UNMODULATED AFC PILOT (CLOSE LOOP)
1626.5000 - 1660.5000 MHz	40K0G1W	48.20 dBW	TEST 16 QAM DIGITAL TELEPHONY
1626.5000 - 1660.5000 MHz	400KG1F	36.00 dBW	TEST QPSK DIGITAL VIDEO/DATA
1626.5000 - 1660.5000 MHz	5K60G1E	36.00 dBW	TEST QPSK, TELEPHONY

1626.5000 - 1660.5000 MHz	2K40G7D-	36.00 dBW	TEST BPSK, DATA/TDM
1626.5000 - 1660.5000 MHz	24K0G1E	36.00 dBW	TEST QPSK, TELEPHONY
1626.5000 - 1660.5000 MHz	5K60G1W	36.00 dBW	TEST QPSK, DATA/FAX
1626.5000 - 1660.5000 MHz	2K40G1W	36.00 dBW	TEST QPSK, DATA/FAX
1626.5000 - 1660.5000 MHz	132KG7D	36.00 dBW	TEST BPSK, DATA/TDM
1626.5000 - 1660.5000 MHz	2M20G1D	36.00 dBW	TEST BPSK, DATA
1626.5000 - 1660.5000 MHz	2K40G1D	36.00 dBW	TEST BPSK, DATA
1574.4000 - 1576.6000 MHz	2M20G1D		TEST BPSK SPREAD SPECTRUM DATA- CLOSE LOOP
1525.0000 - 1559.0000 MHz	34K0F3E		TEST FM, TELEPHONY COMPANDED OR UNCOMPANDED
1525.0000 - 1559.0000 MHz	2M20G1D		TEST BPSK SPREAD SPECTRUM DATA- CLOSE LOOP
1525.0000 - 1559.0000 MHz	NON		UNMODULATED AFC PILOT (CLOSE LOOP)
1525.0000 - 1559.0000 MHz	40K0G1W		TEST 16 QAM DIGITAL TELEPHONY
1525.0000 - 1559.0000 MHz	400KG1F		TEST QPSK DIGITAL VIDEO/DATA
1525.0000 - 1559.0000 MHz	5K60G1E		TEST QPSK, TELEPHONY
1525.0000 - 1559.0000 MHz	24K0G1E		TEST QPSK, TELEPHONY
1525.0000 - 1559.0000 MHz	5K60G1W		TEST QPSK, DATA/FAX
1525.0000 - 1559.0000 MHz	2K40G7D		TEST BPSK, DATA/TDM
1525.0000 - 1559.0000 MHz	2K40G1W		TEST QPSK, DATA/FAX
1525.0000 - 1559.0000 MHz	132KG7D		TEST BPSK, DATA/TDM
1525.0000 - 1559.0000 MHz	2M20G1D		TEST BPSK, DATA
1525.0000 - 1559.0000 MHz	2K40G1D		TEST BPSK, DATA

SITE ID: 23ACTTC
LOCATION: 2120 RIVER ROAD (10.4M.)-C-BAND, NEW HAVEN, SOUTHBURY, CT
41 ° 27 ' 4.50 " N LAT. 73 ° 17 ' 21.50 " W LONG.

ANTENNA ID: 23ACTTC 10.4 meters PHILCO FORD 10.4M.

5925.0000 - 6425.0000 MHz	36M0F8W	86.50 dBW	TEST ANALOG CARRIER TO MONITOR TRANSPONDER PERFORMANCE

SITE ID: 23ACNOR
LOCATION: 2120 RIVER ROAD (10.4M.)-C-BAND, NEW HAVEN, SOUTHBURY, CT
41 ° 27 ' 4.50 " N LAT. 73 ° 17 ' 21.00 " W LONG.

ANTENNA ID: 23ACNOR 10.4 meters PHILCO FORD 10.4M.

6454.4000 - 6456.6000 MHz	2M20G1D	73.50 dBW	BPSK SPREAD SPECTRUM DATA (NAVIGATION)
6425.0000 - 6454.0000 MHz	7K50G1W	58.40 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	7K50G1E	62.20 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	7K50G1D	59.10 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	60K0D1W	65.90 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	5K00G1W	51.90 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	5K00G1E	51.90 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	5K00G1D	61.80 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	45K0G7D	66.00 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	2K50G1D	65.70 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	2K50F1D	58.80 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	20K0G1E	56.80 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	17K5G1D	61.40 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	10K0G1X	61.20 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	10K0G1W	59.70 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	100KG1X	60.80 dBW	DIGITAL DATA
6424.0000 - 6454.0000 MHz	34K0F3E	59.50 dBW	FM TELEPHONY COMPANDED AND UNCOMPANDED
6424.0000 - 6454.0000 MHz	27K0F3W	59.50 dBW	FM9 ANALOG BROADCAST CARRIER
6424.0000 - 6454.0000 MHz	400KG1F	59.50 dBW	QPSK, DIGITAL VIDEO/DATA
6424.0000 - 6454.0000 MHz	40K0G1W	60.80 dBW	16 QAM DIGITAL TELEPHONY

6424.0000 - 6454.0000 MHz	NON	59.50 dBW	UNMODULATED AFC PILOT
6424.0000 - 6454.0000 MHz	5K60G1E	53.20 dBW	QPSK, TELEPHONY
6424.0000 - 6454.0000 MHz	24K0G1E	58.60 dBW	QPSK, TELEPHONY
6424.0000 - 6454.0000 MHz	5K60G1W	52.30 dBW	QPSK, DATA/FAX
6424.0000 - 6454.0000 MHz	2K40G7D	48.60 dBW	BPSK, DATA/TDM
6424.0000 - 6454.0000 MHz	24K0G1W	58.60 dBW	QPSK, DATA/FAX
6424.0000 - 6454.0000 MHz	132KG7D	59.50 dBW	BPSK, DATA/TDM
6424.0000 - 6454.0000 MHz	2M20G1D	71.70 dBW	BPSK, DATA
6424.0000 - 6454.0000 MHz	2K40G1D	48.60 dBW	BPSK, DATA
5927.0000 - 5927.0000 MHz	NON	50.80 dBW	TT&C RANGING CARRIER
3947.0000 - 3953.0000 MHz	131KG2D		PCM/PSK/BI-PHASE TRACKING BEACON
3700.0000 - 4200.0000 MHz	36M0F8W		TEST ANALOG CARRIER TO MONITOR TRANSPONDER PERFORMANCE
3600.0000 - 3629.0000 MHz	34K0F3E		FM TELEPHONY COMPANDED AND UNCOMPANDED
3600.0000 - 3629.0000 MHz	2M20G1D		BPSK SPREAD SPECTRUM DATA (NAVIGATION)
3600.0000 - 3629.0000 MHz	400KG1F		QPSK, DIGITAL VIDEO/DATA
3600.0000 - 3629.0000 MHz	40K0G1W		16 QAM DIGITAL TELEPHONY
3600.0000 - 3629.0000 MHz	NON		UNMODULATED AFC PILOT
3600.0000 - 3629.0000 MHz	5K60G1E		QPSK, TELEPHONY
3600.0000 - 3629.0000 MHz	24K0G1E		QPSK, TELEPHONY
3600.0000 - 3629.0000 MHz	5K60G1W		QPSK, DATA/FAX
3600.0000 - 3629.0000 MHz	2K40G7D		BPSK, DATA/TDM
3600.0000 - 3629.0000 MHz	24K0G1W		QPSK, DATA/FAX
3600.0000 - 3629.0000 MHz	132KG7D		BPSK, DATA/TDM
3600.0000 - 3629.0000 MHz	7K50G1W		DIGITAL DATA

3600.0000 - 3629.0000 MHz	7K50G1E	DIGITAL DATA
3600.0000 - 3629.0000 MHz	7K50G1D	DIGITAL DATA
3600.0000 - 3629.0000 MHz	60K0D1W	DIGITAL DATA
3600.0000 - 3629.0000 MHz	5K00G1W	DIGITAL DATA
3600.0000 - 3629.0000 MHz	5K00G1E	DIGITAL DATA
3600.0000 - 3629.0000 MHz	5K00G1D	DIGITAL DATA
3600.0000 - 3629.0000 MHz	45K0G7D	DIGITAL DATA
3600.0000 - 3629.0000 MHz	2K50G1D	DIGITAL DATA
3600.0000 - 3629.0000 MHz	2K50F1D	DIGITAL DATA
3600.0000 - 3629.0000 MHz	20K0G1X	DIGITAL DATA
3600.0000 - 3629.0000 MHz	20K0G1E	DIGITAL DATA
3600.0000 - 3629.0000 MHz	17K5G1D	DIGITAL DATA
3600.0000 - 3629.0000 MHz	10K0G1W	DIGITAL DATA
3600.0000 - 3629.0000 MHz	100KG1X	DIGITAL DATA
3600.0000 - 3629.0000 MHz	2M20G1D	BPSK, DATA
3600.0000 - 3629.0000 MHz	2K40G1D	BPSK, DATA

SITE ID: 23BLBAND
LOCATION: 2120 RIVER ROAD (1.8M.)-BL-BAND, NEW HAVEN, SOUTHBURY, CT
41 ° 27 ' 4.50 " N LAT. 73 ° 17 ' 21.80 " W LONG.

ANTENNA ID: 23BLBAND 1.8 meters TRUE FOCUS 1.8M.

1626.5000 - 1660.5000 MHz	NON	27.20 dBW	UNMODULATED AFC PILOT (CLOSE LOOP)
1574.4000 - 1576.6000 MHz	2M20G1D		TEST BPSK SPREAD SPECTRUM DATA- CLOSE LOOP
1525.0000 - 1559.0000 MHz	34K0F3E		TEST FM, TELEPHONY COMPANDED AND UNCOMPANDED
1525.0000 - 1559.0000 MHz	2M20G1D		TEST BPSK SPREAD SPECTRUM DATA- CLOSE LOOP
1525.0000 - 1559.0000 MHz	400KG1F		TEST QPSK, DIGITAL VIDEO/DATA
1525.0000 - 1559.0000 MHz	40K0G1W		TEST 16 QAM DIGITAL TELEPHONY

1525.0000 - 1559.0000 MHz	5K60G1E	TEST QPSK, TELEPHONY
1525.0000 - 1559.0000 MHz	24K0G1E	TEST QPSK, TELEPHONY
1525.0000 - 1559.0000 MHz	5K60G1W	TEST QPSK, DATA/FAX
1525.0000 - 1559.0000 MHz	2K40G7D	TEST BPSK, DATA/TDM
1525.0000 - 1559.0000 MHz	24K0G1W	TEST QPSK, DATA/FAX
1525.0000 - 1559.0000 MHz	132KG7D	TEST BPSK, DATA/TDM
1525.0000 - 1559.0000 MHz	NON	UNMODULATED AFC PILOT
1525.0000 - 1559.0000 MHz	2M20G1D	TEST BPSK, DATA
1525.0000 - 1559.0000 MHz	2K40G1D	TEST BPSK, DATA

Points of Communication:

1 - INMARSAT 3F5 - (54 W.L.)

1 - INMARSAT 4F2 - (52.75)

1 - INMARSAT 4F3 - (98 W.L.)

1 - ISAT List -

21CNORM - INMARSAT 3F2 - (15.5 W.L.)

21CNORM - INMARSAT 3F5 - (54 W.L.)

21CNORM - INMARSAT 4F3 - (97.65 W.L.)

21CNORM - PERMITTED LIST - ()

21CTTC/HUB - INMARSAT 3F2 - (15.5 W.L.)

21CTTC/HUB - INMARSAT 3F5 - (54 W.L.)

21CTTC/HUB - INMARSAT 4F3 - (97.65 W.L.)

21CTTC/HUB - PERMITTED LIST - ()

21LBAND - ISAT List -

23ACNOR - INMARSAT 3F2 - (15.5 W.L.)

23ACNOR - INMARSAT 3F5 - (54 W.L.)

23ACNOR - PERMITTED LIST - ()

23ACTTC - INMARSAT 3F2 - (15.5 W.L.)

23ACTTC - INMARSAT 3F5 - (54 W.L.)

23ACTTC - INMARSAT 4F3 - (97.65 W.L.)

23ACTTC - PERMITTED LIST - ()

23BLBAND - ISAT List -

SES-MOD-20230201-00115 E KA305 Comsat, Inc.

Application for Modification 10/04/2011 - 10/04/2026

Grant of Authority Date Effective: 03/16/2023

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 7676 PINE GROVE ROAD, VENTURA, SANTA PAULA, CA

34 ° 24 ' 5.00 " N LAT. 119 ° 4 ' 26.00 " W LONG.

ANTENNA ID: 1 THRANE AND THRANE, INMARSAT-C TT-3001A CAPSAT

1626.5000 - 1646.5000 MHz	600KFXN	16.00 dBW	Test signal, L-band pilot and test carrier transmission
1626.5000 - 1646.5000 MHz	600HG1D	16.00 dBW	TDM channel, BPSK, STD-C, L-band pilot and test carrier transmission
1530.0000 - 1545.0000 MHz	600HG1D		Test signal, Monitor & test of C-band transmit signals (communications & pilot)
1530.0000 - 1545.0000 MHz	1K20G1D		TDM channel, BPSK, STD-C, Monitor & test of C-band transmit signals (communications & pilot)
1530.0000 - 1545.0000 MHz	2K40G1D		TDM channel, BPSK, STD-C, Monitor & test of C-band transmit signals (communications & pilot)

Points of Communication:

1 - INMARSAT Ltd.-2 POR - (179 DEGR)

1 - INMARSAT Ltd-3 - (178 E.L.)

1 - ISAT List -

SES-MOD-20230201-00116 E E990034 Comsat, Inc.

Application for Modification 02/20/2011 - 02/20/2026

Grant of Authority Date Effective: 03/16/2023

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 2.2M

LOCATION: 2120 RIVER ROAD, NEW HAVEN, SOUTHBURY, CT

41 ° 27 ' 6.95 " N LAT. 73 ° 17 ' 17.25 " W LONG.

ANTENNA ID: 2.2M 2.2 meters SEATEL 8885

1660.5000 - 1660.5000 MHz	600HG1D	15.00 dBW	AERO, BPSK, to support the Fourth Ocean Region Standard A Network Coordination Station
1626.5000 - 1660.5000 MHz	24K0F3E	39.70 dBW	STD A VOICE, SCPC-FM, , to support the Fourth Ocean Region Standard A Network Coordination Station
1626.5000 - 1660.5000 MHz	NON	37.00 dBW	PILOT
1626.5000 - 1660.5000 MHz	1K20G1D	16.00 dBW	STD-C, BPSK, to support the Fourth Ocean Region Standard A Network Coordination Station
1626.5000 - 1660.5000 MHz	600HG1D	16.00 dBW	STD-C, BPSK, to support the Fourth Ocean Region Standard A Network Coordination Station
1626.5000 - 1660.5000 MHz	600KFXN	39.70 dBW	test signal
1626.5000 - 1660.5000 MHz	1K20G1D	18.00 dBW	AERO, BPSK, to support the Fourth Ocean Region Standard A Network Coordination Station
1626.5000 - 1660.5000 MHz	2K40G1D	21.00 dBW	AERO, BPSK, to support the Fourth Ocean Region Standard A Network Coordination Station
1626.5000 - 1660.5000 MHz	10K5G1E	27.00 dBW	AERO, BPSK, to support the Fourth Ocean Region Standard A Network Coordination Station
1530.0000 - 1559.0000 MHz	24K0F3E	0.00 dBW	STD A VOICE, SCPC-FM, to support the Fourth Ocean Region Standard A Network Coordination Station
1530.0000 - 1559.0000 MHz	NON		PILOT
1530.0000 - 1559.0000 MHz	1K20G1D		STD A TEL, BPSK, to support the Fourth Ocean Region Standard A Network Coordination Station
1530.0000 - 1559.0000 MHz	1K20G1D		STD-C, BPSK, to support the Fourth Ocean Region Standard A Network Coordination Station
1530.0000 - 1559.0000 MHz	600HG1D		STD-C, BPSK, to support the Fourth Ocean Region Standard A Network Coordination Station
1530.0000 - 1559.0000 MHz	600HG1D		AERO, BPSK, to support the Fourth Ocean Region Standard A Network Coordination Station

1530.0000 - 1559.0000 MHz	1K20G1D	AERO, BPSK, to support the Fourth Ocean Region Standard A Network Coordination Station
1530.0000 - 1559.0000 MHz	2K40G1D	AERO, BPSK, to support the Fourth Ocean Region Standard A Network Coordination Station
1530.0000 - 1559.0000 MHz	10K5G1E	AERO, BPSK, to support the Fourth Ocean Region Standard A Network Coordination Station

SITE ID: 28LBAND
LOCATION: 2120 RIVER ROAD, NEW HAVEN, SOUTHBURY, CT
41 ° 27 ' 6.95 " N LAT. 73 ° 17 ' 17.25 " W LONG.

ANTENNA ID: 28LBAND 14.2 meters TIW 14.2M DUAL

1626.5000 - 1660.5000 MHz	NON	31.00 dBW	PILOT
1626.5000 - 1660.5000 MHz	24K0F3F	36.00 dBW	ANALOG CARRIER
1626.5000 - 1660.5000 MHz	10K5G2F	36.00 dBW	DIGITAL CARRIER
1626.5000 - 1660.5000 MHz	1K20G1D	36.00 dBW	DIGITAL CARRIER
1626.5000 - 1660.5000 MHz	1K20G2D	36.00 dBW	DIGITAL CARRIER
1626.5000 - 1660.5000 MHz	2K40G2D	36.00 dBW	DIGITAL CARRIER
1626.5000 - 1660.5000 MHz	600HG1D	36.00 dBW	DIGITAL CARRIER
1626.5000 - 1660.5000 MHz	600HG2D	36.00 dBW	DIGITAL CARRIER
1626.0000 - 1660.5000 MHz	300KFXN	70.00 dBW	COMMUNICATIONS SYSTEMS MONITORING AND TEST SIGNALS
1574.4000 - 1576.6000 MHz	10K5G2F		DIGITAL CARRIER
1574.4000 - 1576.6000 MHz	1K20G1D		DIGITAL CARRIER
1574.4000 - 1576.6000 MHz	1K20G2D		DIGITAL CARRIER
1574.4000 - 1576.6000 MHz	2K40G2D		DIGITAL CARRIER
1574.4000 - 1576.6000 MHz	600HG1D		DIGITAL CARRIER
1574.4000 - 1576.6000 MHz	600HG2D		DIGITAL CARRIER
1530.0000 - 1548.0000 MHz	NON		COMMUNICATIONS SYSTEMS MONITORING AND TEST SIGNALS
1530.0000 - 1548.0000 MHz	600KFXN		COMMUNICATIONS SYSTEMS MONITORING AND TEST SIGNALS

1525.0000 - 1559.0000 MHz	10K5G2F	DIGITAL CARRIER
1525.0000 - 1559.0000 MHz	1K20G1D	DIGITAL CARRIER
1525.0000 - 1559.0000 MHz	1K20G2D	DIGITAL CARRIER
1525.0000 - 1559.0000 MHz	2K40G2D	DIGITAL CARRIER
1525.0000 - 1559.0000 MHz	600HG1D	DIGITAL CARRIER
1525.0000 - 1559.0000 MHz	600HG2D	DIGITAL CARRIER

SITE ID: 28CBAND
LOCATION: 2120 RIVER ROAD, NEW HAVEN, SOUTHBURY, CT
41 ° 27 ' 6.95 " N LAT. 73 ° 17 ' 17.25 " W LONG.

ANTENNA ID: 28CBAND 14.2 meters TIW 14.2 DUAL

6454.4000 - 6456.6000 MHz	2K40G2D	44.50 dBW	DIGITAL CARRIER
6454.4000 - 6456.6000 MHz	10K5G2F	44.50 dBW	DIGITAL CARRIER
6454.4000 - 6456.6000 MHz	1K20G1D	44.50 dBW	DIGITAL CARRIER
6454.4000 - 6456.6000 MHz	1K20G2D	44.50 dBW	DIGITAL CARRIER
6454.4000 - 6456.6000 MHz	2M20G1D	78.00 dBW	DIGITAL CARRIER
6454.4000 - 6456.6000 MHz	2M20G1D	82.30 dBW	DIGITAL CARRIER
6454.4000 - 6456.6000 MHz	600HG1D	44.50 dBW	DIGITAL CARRIER
6454.4000 - 6456.6000 MHz	600HG2D	44.50 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	100KG1X	60.80 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	10K0G1W	59.70 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	10K0G1X	61.20 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	17K5G1D	61.40 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	20K0G1E	56.80 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	2K50F1D	58.80 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	2K50G1D	65.70 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	45K0G7D	66.00 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	5K00G1D	61.80 dBW	DIGITAL DATA

6425.0000 - 6454.0000 MHz	5K00G1E	51.90 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	5K00G1W	51.90 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	60K0D1W	65.90 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	7K50G1D	59.10 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	7K50G1E	62.20 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	7K50G1W	58.40 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	1K20G1D	44.50 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	10K5G2F	44.50 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	1K20G2D	44.50 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	2K40G2D	44.50 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	2M20G1D	78.00 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	2M20G1D	82.30 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	600HG1D	44.50 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	600HG2D	44.50 dBW	DIGITAL DATA
6425.0000 - 6443.0000 MHz	NON	70.00 dBW	COMMUNICATIONS SYSTEMS MONITORING AND TEST SIGNALS
6425.0000 - 6443.0000 MHz	600KFXN	70.00 dBW	COMMUNICATIONS SYSTEMS MONITORING AND TEST SIGNALS
6417.5000 - 6443.0000 MHz	12K0G1D	70.00 dBW	DIGITAL DATA
6417.5000 - 6443.0000 MHz	12K0G3E	70.00 dBW	DIGITAL DATA
6417.5000 - 6443.0000 MHz	4K00G1D	70.00 dBW	DIGITAL DATA
6417.5000 - 6443.0000 MHz	4K00G3E	70.00 dBW	DIGITAL DATA
6417.5000 - 6443.0000 MHz	6K00G1D	70.00 dBW	DIGITAL DATA
6417.5000 - 6443.0000 MHz	7K50G3E	70.00 dBW	DIGITAL DATA
6416.0000 - 6418.0000 MHz	900KF2D	75.00 dBW	ANALOG VIDEO
6170.0000 - 6180.0000 MHz	900KF2D	77.80 dBW	TT&C
5925.0000 - 6425.0000 MHz	18M0F8F	83.00 dBW	ANALOG VIDEO

5925.0000 - 6425.0000 MHz	36M0F8F	83.50 dBW	ANALOG VIDEO
5925.0000 - 6425.0000 MHz	36M0G7F	87.00 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	4M00G7F	84.30 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	21K9G7W	61.70 dBW	DIGITAL VOICE, AND DATA
5925.0000 - 6425.0000 MHz	72M0G7W	87.00 dBW	DIGITAL VOICE, AND DATA
4192.5000 - 4200.0000 MHz	12K0G1D		DIGITAL DATA
4192.5000 - 4200.0000 MHz	12K0G3E		DIGITAL DATA
4192.5000 - 4200.0000 MHz	3K00G1D		DIGITAL DATA
4192.5000 - 4200.0000 MHz	4K00G1D		DIGITAL DATA
4192.5000 - 4200.0000 MHz	4K00G3E		DIGITAL DATA
4192.5000 - 4200.0000 MHz	7K50G3E		DIGITAL CARRIER
4188.0000 - 4189.0000 MHz	1K00G1D		TT&C
3945.0000 - 3955.0000 MHz	1K00G1D		TT&C
3700.0000 - 4200.0000 MHz	18M0F8F		ANALOG VIDEO
3700.0000 - 4200.0000 MHz	36M0F8F		DIGITAL DATA
3700.0000 - 4200.0000 MHz	36M0G7F		DIGITAL VIDEO
3700.0000 - 4200.0000 MHz	4M00G7F		DIGITAL VIDEO
3700.0000 - 4200.0000 MHz	21K9G7W		DIGITAL VOICE, AND DATA
3700.0000 - 4200.0000 MHz	72M0G7W		DIGITAL VOICE, AND DATA
3600.0000 - 3629.0000 MHz	60K0D1W		DIGITAL DATA
3600.0000 - 3629.0000 MHz	100KG1X		DIGITAL DATA
3600.0000 - 3629.0000 MHz	10K0G1W		DIGITAL DATA
3600.0000 - 3629.0000 MHz	17K5G1D		DIGITAL DATA
3600.0000 - 3629.0000 MHz	20K0G1E		DIGITAL DATA
3600.0000 - 3629.0000 MHz	20K0G1X		DIGITAL DATA
3600.0000 - 3629.0000 MHz	2K50F1D		DIGITAL DATA

3600.0000 - 3629.0000 MHz	2K50G1D	DIGITAL DATA
3600.0000 - 3629.0000 MHz	45K0G7D	DIGITAL DATA
3600.0000 - 3629.0000 MHz	5K00G1D	DIGITAL DATA
3600.0000 - 3629.0000 MHz	5K00G1E	DIGITAL DATA
3600.0000 - 3629.0000 MHz	5K00G1W	DIGITAL DATA
3600.0000 - 3629.0000 MHz	7K50G1D	DIGITAL DATA
3600.0000 - 3629.0000 MHz	7K50G1E	DIGITAL DATA
3600.0000 - 3629.0000 MHz	7K50G1W	DIGITAL DATA
3600.0000 - 3629.0000 MHz	2M20G1D	DIGITAL CARRIER
3600.0000 - 3623.0000 MHz	12K0G1D	DIGITAL DATA
3600.0000 - 3623.0000 MHz	12K0G3E	DIGITAL DATA
3600.0000 - 3623.0000 MHz	3K00G1D	DIGITAL DATA
3600.0000 - 3623.0000 MHz	4K00G1D	DIGITAL DATA
3600.0000 - 3623.0000 MHz	4K00G3E	DIGITAL DATA
3600.0000 - 3623.0000 MHz	7K50G3E	DIGITAL DATA
3600.0000 - 3623.0000 MHz	NON	COMMUNICATIONS SYSTEMS MONITORING AND TEST SIGNALS
3600.0000 - 3623.0000 MHz	300KFXN	COMMUNICATIONS SYSTEMS MONITORING AND TEST SIGNALS

Points of Communication:

2.2M - INMARSAT Ltd-3 - (15.5 W.L.)

2.2M - INMARSAT-2 AOR-EAST - (17 W.L.)

2.2M - INMARSAT-2 AOR-WEST - (98 W.L.)

2.2M - ISAT List -

28CBAND - INMARSAT 3F2 - (15.5 W.L.)

28CBAND - INMARSAT 3F4 - (54 W.L.)

28CBAND - INMARSAT 4F3 - (97.65 W.L.)

28CBAND - PERMITTED LIST - ()

SES-MOD-20230201-00119 E KA249 Comsat, Inc.
Application for Modification 10/09/2011 - 10/09/2026
Grant of Authority Date Effective: 03/16/2023

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: SANTA PAULA
LOCATION: 7676 PINE GROVE ROAD, VENTURA, SANTA PAULA, CA
34 ° 24 ' 5.00 " N LAT. 119 ° 4 ' 29.40 " W LONG.

ANTENNA ID: 13M 13 meters UNIVERSAL 1130

6454.4000 - 6456.6000 MHz	2M20G1D	82.30 dBW	DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
6440.8000 - 6443.0000 MHz	2M20G1D	78.00 dBW	DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
5925.0000 - 6425.0000 MHz	36M0F8F	82.70 dBW	ANALOG VIDEO
5925.0000 - 6425.0000 MHz	18M0F8F-	82.70 dBW	ANALOG VIDEO
5925.0000 - 6425.0000 MHz	36M0G7F	88.00 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	4M00G7F-	83.50 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	72M0G7W	88.00 dBW	DIGITAL VOICE AND DATA
5925.0000 - 6425.0000 MHz	21K9G7W-	60.90 dBW	DIGITAL VOICE AND DATA
5925.0000 - 6425.0000 MHz	48M6G7W	83.10 dBW	DIGITAL VOICE, VIDEO AND DATA
5925.0000 - 6425.0000 MHz	69K0G7W	66.10 dBW	DIGITAL VOICE, VIDEO AND DATA
3700.0000 - 4200.0000 MHz	36M0F8F		ANALOG VIDEO
3700.0000 - 4200.0000 MHz	18M0F8F-		ANALOG VIDEO
3700.0000 - 4200.0000 MHz	36M0G7F		DIGITAL VIDEO
3700.0000 - 4200.0000 MHz	4M00G7F-		DIGITAL VIDEO
3700.0000 - 4200.0000 MHz	72M0G7W		DIGITAL VOICE AND DATA
3700.0000 - 4200.0000 MHz	21K9G7W-		DIGITAL VOICE AND DATA
3700.0000 - 4200.0000 MHz	69K0G7W		DIGITAL VOICE, VIDEO AND DATA
3700.0000 - 4200.0000 MHz	6M21G7W		DIGITAL VOICE, VIDEO AND DATA

3629.4000 - 3631.6000 MHz	2M20G1D	DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
1574.4000 - 1576.6000 MHz	2M20G1D	DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
1545.8000 - 1548.0000 MHz	2M20G1D	DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM

Points of Communication:

SANTA PAULA - INMARSAT Ltd.-2 POR - (179 DEGR)

SANTA PAULA - INMARSAT Ltd-3 - (178 E.L.)

SANTA PAULA - ISAT List -

SANTA PAULA - PERMITTED LIST - ()

SES-MOD-20230201-00121 E E930320 Comsat, Inc.

Application for Modification 08/06/2018 - 08/06/2033

Grant of Authority Date Effective: 03/16/2023

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: REMOTE-4 ESV

LOCATION: 350 (1.5 m antennas), CONUS

ANTENNA ID: ESV-6006 1.5 meters SEATEL 6006

14000.0000 - 14500.0000 MHz	717KG1W	52.00 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	89K6G1W	43.00 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	194KG7W	46.40 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	291KG7W	48.10 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	388KG7W	49.10 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	81K0G7W	42.50 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	97K0G7W	43.40 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M43G1W	52.00 dBW	SCPC USING QPSK AND BPSK MODULATION

14000.0000 - 14500.0000 MHz	2M35G1W	52.00 dBW	SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	717KG1W		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	89K6G1W		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	36M0G7W		SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	81K0G7W		SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	1M43G1W		SCPC USING QPSK ANAD BPSK MODULATION
11450.0000 - 12200.0000 MHz	2M35G1W		SCPC USING QPSK ANAD BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	89K6G1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	1M43G1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	2M35G1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	717KG1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	36M0G7W		SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	81K0G7W		SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION

SITE ID: REMOTE-1 ESV
LOCATION: 250 (1.0 m antennas), CONUS

ANTENNA ID: ESV-4003A 1 meters SEATEL 4003A

14000.0000 - 14500.0000 MHz	44K8G1W	34.40 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	538KG1W	45.20 dBW	SCPC USING QPSK AND BPSK MODULATION

14000.0000 - 14500.0000 MHz	89K6G1W	37.40 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	227KG7W	41.50 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	340KG7W	43.20 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	378KG7W	43.60 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	454KG7W	44.50 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	908KG7W	45.80 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M40G7W	45.80 dBW	DVB/MFTDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	316KG7W	42.80 dBW	DVB/MFTDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	607KG7W	45.70 dBW	DVB/MFTDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	89K6G1W		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	717KG1W		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	151KG7W		TDM/TDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W		TDM/TDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	2M60G7W		DVB/MFTDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W		DVB/MFTDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	717KG1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	89K6G1W		SCPC USING QPSK AND BPSK MODULATION

10950.0000 - 11200.0000 MHz	54M0G7W		TDM/TDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	151KG7W		TDM/TDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	2M60G7W		DVB/MFTDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W		DVB/MFTDMA USING QPSK AND BPSK MODULATION

SITE ID: REMOTE-2 ESV
LOCATION: 250 (1.0 m antennas), CONUS

ANTENNA ID: ESV-4006 1 meters SEATEL 4006

14000.0000 - 14500.0000 MHz	44K8G1W	34.40 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	717KG1W	46.40 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	89K6G1W	37.40 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	227KG7W	41.50 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	340KG7W	43.20 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	378KG7W	43.60 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	454KG7W	44.50 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	908KG7W	47.40 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M40G7W	47.40 dBW	DVB/MFTDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	316KG7W	43.80 dBW	DVB/MFTDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	607KG7W	45.70 dBW	DVB/MFTDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	717KG1W		SCPC USING QPSK AND BPSK MODULATION

11450.0000 - 12200.0000 MHz	89K6G1W	SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	151KG7W	TDM/TDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W	TDM/TDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	2M60G7W	DVB/MFTDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W	DVB/MFTDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W	SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	717KG1W	SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	89K6G1W	SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	151KG7W	TDM/TDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W	TDM/TDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	2M60G7W	DVB/MFTDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W	DVB/MFTDMA USING QPSK AND BPSK MODULATION

SITE ID: REMOTE-3 ESV
LOCATION: 50 (1.2 m antennas), CONUS

ANTENNA ID: ESV-4996T 1.2 meters SEATEL 4996T

14000.0000 - 14500.0000 MHz	1M43G1W	51.10 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G1W	36.10 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	717KG1W	48.10 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	89K6G1W	39.10 dBW	SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	1M43G1W		SCPC USING QPSK AND BPSK MODULATION

11450.0000 - 12200.0000 MHz	44K8G1W	SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	717KG1W	SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	89K6G1W	SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	1M43G1W	SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W	SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	717KG1W	SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	89K6G1W	SCPC USING QPSK AND BPSK MODULATION

SITE ID: REMOTE-5 ESV
LOCATION: 500 (1.05M. antennas), CONUS

ANTENNA ID: ESV-V110 1.05 meters INTELLIAN V110

14000.0000 - 14500.0000 MHz	97K0G7W	39.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	970KG7W	49.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	89K6G1W	39.00 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	776KG7W	48.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	717KG1W	48.00 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	679KG7W	47.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	64K0G7W	37.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	582KG7W	47.10 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	485KG7W	46.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G1W	36.00 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

14000.0000 - 14500.0000 MHz	388KG7W	45.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	291KG7W	44.10 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M55G7W	49.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M36G7W	49.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M16G7W	49.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	194KG7W	42.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	89K6G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	717KG1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	2M60G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	151KG7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	89K6G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	717KG1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	2M60G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	151KG7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: SAPA10Ku

LOCATION: 7676 PINE GROVE RD. (4.6 M. HUB1), VENTURA, SANTA PAULA, CA

34 ° 24 ' 7.95 " N LAT. 119 ° 4 ' 21.84 " W LONG.

ANTENNA ID: SAPA10Ku 4.6 meters ANDREWS 02-210 OMT304496461

14000.0000 - 14500.0000 MHz	54M0F7W	48.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
14000.0000 - 14500.0000 MHz	54M0F1W	48.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
14000.0000 - 14500.0000 MHz	54M0D7W	48.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
14000.0000 - 14500.0000 MHz	54M0D1W	48.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
14000.0000 - 14500.0000 MHz	32K0F7W	48.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
14000.0000 - 14500.0000 MHz	32K0F1W	48.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
14000.0000 - 14500.0000 MHz	32K0D7W	48.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
14000.0000 - 14500.0000 MHz	32K0D1W	48.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	54M0F7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	54M0F1W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	54M0D7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	54M0D1W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	32K0F7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	32K0F1W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	32K0D7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	32K0D1W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	54M0F7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	54M0F1W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS

10950.0000 - 11200.0000 MHz	54M0D7W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	54M0D1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	32K0F7W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	32K0F1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	32K0D7W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	32K0D1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS

SITE ID: SAPA08Ku

LOCATION: 7676 PINE GROVE RD. (4.8 M. HUB2), VENTURA, SANTA PAULA, CA

34 ° 24 ' 8.13 " N LAT. 119 ° 4 ' 22.02 " W LONG.

ANTENNA ID: SAPA08Ku 4.8 meters VERTEX K48PMFRL1-G/C

14000.0000 - 14500.0000 MHz	54M0F7W	45.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
14000.0000 - 14500.0000 MHz	54M0F1W	45.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
14000.0000 - 14500.0000 MHz	54M0D7W	45.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
14000.0000 - 14500.0000 MHz	54M0D1W	45.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
14000.0000 - 14500.0000 MHz	32K0F7W	45.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
14000.0000 - 14500.0000 MHz	32K0F1W	45.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
14000.0000 - 14500.0000 MHz	32K0D7W	45.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
14000.0000 - 14500.0000 MHz	32K0D1W	45.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	54M0F7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	54M0F1W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	54M0D7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS

11450.0000 - 12200.0000 MHz	54M0D1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	32K0F7W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	32K0F1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	32K0D7W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	32K0D1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	54M0F7W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	54M0F1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	54M0D7W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	54M0D1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	32K0F7W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	32K0F1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	32K0D7W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	32K0D1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS

SITE ID: SAPA19Ku

LOCATION: 7676 PINE GROVE RD. (7.3 M. HUB3), VENTURA, SANTA PAULA, CA

34 ° 24 ' 9.57 " N LAT. 119 ° 4 ' 23.25 " W LONG.

ANTENNA ID: SAPA19Ku 7.3 meters GENERAL DYNAMICS GD 7.3M KU

14000.0000 - 14500.0000 MHz	54M0F7W	54.80 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
14000.0000 - 14500.0000 MHz	54M0F1W	54.80 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
14000.0000 - 14500.0000 MHz	54M0D7W	54.80 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
14000.0000 - 14500.0000 MHz	54M0D1W	54.80 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS

14000.0000 - 14500.0000 MHz	32K0F7W	45.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
14000.0000 - 14500.0000 MHz	32K0F1W	45.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
14000.0000 - 14500.0000 MHz	32K0D7W	45.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
14000.0000 - 14500.0000 MHz	32K0D1W	45.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	54M0F7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	54M0F1W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	54M0D7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	54M0D1W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	32K0F7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	32K0F1W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	32K0D7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	32K0D1W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	54M0F7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	54M0F1W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	54M0D7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	54M0D1W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	32K0F7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	32K0F1W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	32K0D7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS

10950.0000 - 11200.0000 MHz	32K0D1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS

SITE ID: SAPA40Ku
LOCATION: 7676 PINE GROVE RD. (7.3 M. HUB4), VENTURA, SANTA PAULA, CA
34 ° 24 ' 9.80 " N LAT. 119 ° 4 ' 22.61 " W LONG.

ANTENNA ID: SAPA40Ku 7.3 meters GENERAL DYNAMICS GD 7.3M KU

14000.0000 - 14500.0000 MHz	54M0F7W	54.80 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
14000.0000 - 14500.0000 MHz	54M0F1W	54.80 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
14000.0000 - 14500.0000 MHz	54M0D7W	54.80 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
14000.0000 - 14500.0000 MHz	54M0D1W	54.80 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
14000.0000 - 14500.0000 MHz	32K0F7W	45.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
14000.0000 - 14500.0000 MHz	32K0F1W	45.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
14000.0000 - 14500.0000 MHz	32K0D7W	45.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
14000.0000 - 14500.0000 MHz	32K0D1W	45.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	54M0F7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	54M0F1W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	54M0D7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	54M0D1W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	32K0F7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	32K0F1W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	32K0D7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	32K0D1W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS

10950.0000 - 11200.0000 MHz	54M0F7W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	54M0F1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	54M0D7W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	54M0D1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	32K0F7W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	32K0F1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	32K0D7W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	32K0D1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS

Points of Communication:

REMOTE-1 ESV - EUTELSAT117WA(S2873) - (116.8 W.L.)

REMOTE-1 ESV - PERMITTED LIST - ()

REMOTE-2 ESV - EUTELSAT117WA(S2873) - (116.8 W.L.)

REMOTE-2 ESV - PERMITTED LIST - ()

REMOTE-3 ESV - EUTELSAT117WA(S2873) - (116.8 W.L.)

REMOTE-3 ESV - PERMITTED LIST - ()

REMOTE-4 ESV - EUTELSAT117WA(S2873) - (116.8 W.L.)

REMOTE-4 ESV - PERMITTED LIST - ()

REMOTE-5 ESV - PERMITTED LIST - ()

SAPA08Ku - EUTELSAT133WA(S3031) - (132.85)

SAPA08Ku - EUTELSAT172B(S3021) - (172 E.L.)

SAPA08Ku - PERMITTED LIST - ()

SAPA10Ku - EUTELSAT133WA(S3031) - (132.85)

SAPA10Ku - EUTELSAT172B(S3021) - (172 E.L.)

SAPA10Ku - PERMITTED LIST - ()

SAPA19Ku - EUTELSAT133WA(S3031) - (132.85)

SAPA19Ku - EUTELSAT172B(S3021) - (172 E.L.)

SAPA19Ku - PERMITTED LIST - ()

SAPA40Ku - EUTELSAT133WA(S3031) - (132.85)

SAPA40Ku - EUTELSAT172B(S3021) - (172 E.L.)

SAPA40Ku - PERMITTED LIST - ()

SES-RWL-20220922-01589 E E070255 Peak Uplink, Inc
Renewal 12/10/2022 - 12/10/2037
Grant of Authority Date Effective: 03/16/2023

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: (C/KU HYBRID), VARIOUS CONUS,AK,HI

ANTENNA ID: C/Ku Hybri 2.4 meters AVL Technologies 2.4 SNG

14000.0000 - 14500.0000 MHz	36M0G7W	74.54 dBW	Digital video
14000.0000 - 14500.0000 MHz	4M00G7W	65.00 dBW	Digital video
14000.0000 - 14500.0000 MHz	36M0F3F	74.54 dBW	Standard analog video

ANTENNA ID: C/Ku Hybri 2.4 meters AVL Technologies 2.4 SNG

5925.0000 - 6425.0000 MHz	36M0G7W	66.44 dBW	Digital video
5925.0000 - 6425.0000 MHz	4M00G7W	56.90 dBW	Digital Video

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20230204-00237 E E980066 AT&T Corp.
Renewal 03/13/2023 - 03/13/2038
Grant of Authority Date Effective: 03/16/2023

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

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-20230302-00245 E E880479 KSTP-TV, LLC
Renewal 03/04/2023 - 03/04/2038
Grant of Authority Date Effective: 03/16/2023

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: VARIOUS

ANTENNA ID: 1 2.3 meters ANDREWS 2.3 KU

14000.0000 - 14500.0000 MHz	36M0F3F	76.50 dBW	NTSC FM VIDEO
14000.0000 - 14500.0000 MHz	24M0F3F	76.50 dBW	NTSC FM VIDEO
14000.0000 - 14500.0000 MHz	50K0F3E	47.00 dBW	ANALOG SCPC AUDIO
14000.0000 - 14500.0000 MHz	50K0F2D	47.00 dBW	ANALOG SCPC AUDIO
14000.0000 - 14500.0000 MHz	5M50G7W	66.50 dBW	DIGITAL QPSK, SCPC, VIDEO, AUDIO

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20230303-00250 E E070055 ESPN, Inc.
Renewal 05/14/2022 - 05/14/2037
Grant of Authority Date Effective: 03/16/2023

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 2
LOCATION: ESPN Drive, Hartford, Southington, CT
41 ° 38 ' 51.60 " N LAT. 72 ° 53 ' 48.70 " W LONG.

ANTENNA ID: 2 11 meters Viasat 8016

5925.0000 - 6425.0000 MHz	54M0G7F	79.29 dBW	Digital compressed video carrier
5925.0000 - 6425.0000 MHz	36M0F8W	79.29 dBW	Analog video carrier
3700.0000 - 4200.0000 MHz	54M0G7F	79.29 dBW	Digital compressed video carrier
3700.0000 - 4200.0000 MHz	36M0F8W	79.29 dBW	Analog video carrier

SITE ID: 1
LOCATION: ESPN Drive, Hartford, Southington, CT
41 ° 38 ' 51.60 " N LAT. 72 ° 53 ' 48.70 " W LONG.

ANTENNA ID: 1 10 meters Viasat 8015

5925.0000 - 6425.0000 MHz	54M0G7F	78.69 dBW	Digital compressed video carrier
5925.0000 - 6425.0000 MHz	36M0F8W	78.69 dBW	Analog video carrier
3700.0000 - 4200.0000 MHz	54M0G7F	78.69 dBW	Digital compressed video carrier
3700.0000 - 4200.0000 MHz	36M0F8W	78.69 dBW	Analog video carrier

Points of Communication:

1 - PERMITTED LIST - ()

2 - PERMITTED LIST - ()

SES-RWL-20230303-00251 E E070054 ESPN, Inc.
Renewal 05/14/2022 - 05/14/2037
Grant of Authority Date Effective: 03/16/2023

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: ESPN Drive, Hartford, Southington, CT
41 ° 38 ' 50.50 " N LAT. 72 ° 53 ' 48.00 " W LONG.

ANTENNA ID: 1 9.1 meters Viasat 8009A

5925.0000 - 6425.0000 MHz	54M0G7F	78.09 dBW	Digital Compressed Video Carrier
5925.0000 - 6425.0000 MHz	36M0F8W	78.09 dBW	Analog Video Carrier
3700.0000 - 4200.0000 MHz	54M0G7F		Digital Compressed Video Carrier
3700.0000 - 4200.0000 MHz	36M0F8W		Analog Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20230307-00262 E E880543 Pacific and Southern, LLC
Renewal 04/08/2023 - 04/08/2038
Grant of Authority Date Effective: 03/16/2023

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: VARIOUS

ANTENNA ID: 1 2.4 meters SATCOM TECHNOLOGIES INC MODEL 240KV

14000.0000 - 14500.0000 MHz 36MOG9W 75.00 dBW

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20230309-00267 E E980165 Ohio/Oklahoma Hearst Television Inc.
Renewal 05/08/2023 - 05/08/2038
Grant of Authority Date Effective: 03/16/2023

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 1300 EAST BRITTON ROAD, OKLAHOMA, OKLAHOMA CITY, OK
35 ° 33 ' 45.00 " N LAT. 97 ° 29 ' 24.00 " W LONG.

ANTENNA ID: 1 3.7 meters ANDREW ESA37-124

14000.0000 - 14500.0000 MHz 36M0F3F 70.20 dBW

14000.0000 - 14500.0000 MHz 36M0G7W 65.40 dBW

11700.0000 - 12200.0000 MHz

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20230309-00270 E E980067 NBC Telemundo License LLC
Renewal 01/09/2023 - 01/09/2038
Grant of Authority Date Effective: 03/16/2023

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: VARIOUS LOCATION

ANTENNA ID: 1 2.4 meters VERTEX COMM. CORP. 2.4 DMK

14000.0000 - 14500.0000 MHz 36M0F8W 74.30 dBW

14000.0000 - 14500.0000 MHz 24M0F8W 74.30 dBW

11700.0000 - 12200.0000 MHz

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20230310-00269 E E080020 New Hampshire Public Radio, Inc.
Renewal 03/11/2023 - 03/11/2038
Grant of Authority Date Effective: 03/16/2023

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 2 Phillsbury Street, Merrimack, Concord, NH
43 ° 11 ' 32.00 " N LAT. 71 ° 31 ' 58.00 " W LONG.

ANTENNA ID: 3.8M 3.8 meters Prodelin 1383

5960.3000 - 6425.0000 MHz 230KG7W 46.69 dBW digital traffic 192 kbps, 1/2 FEC, QPSK

5925.0000 - 5930.1000 MHz 230KG7W 46.69 dBW digital traffic 192 kbps, 1/2 FEC, QPSK

3700.0000 - 4200.0000 MHz 230KG7W digital traffic 192 kbps, 1/2 FEC, QPSK

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20230314-00282 E E080033 NW Communications of Phoenix, Inc.
Renewal 03/17/2023 - 03/17/2038
Grant of Authority Date Effective: 03/16/2023

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 511 W. ADAMS ST. (KSAZ STUDIO), MARICOPA, PHOENIX, AZ
33 ° 26 ' 56.90 " N LAT. 112 ° 4 ' 51.90 " W LONG.

ANTENNA ID: A-1 4.6 meters VERTEX K46KRO

14000.0000 - 14500.0000 MHz	36M0F3F	71.60 dBW	FREQUENCY MODULATION - AUDIO, VIDEO
14000.0000 - 14500.0000 MHz	15M0G7W	67.60 dBW	DIGITAL MCPCQPSK FOR AUDIO AND VIDEO
14000.0000 - 14500.0000 MHz	36M0F3F	71.60 dBW	FM MODULATION OF AUDIO AND VIDEO
14000.0000 - 14500.0000 MHz	24M0F3F	71.60 dBW	FM MODULATION OF AUDIO AND VIDEO
11700.0000 - 12200.0000 MHz	36M0F3F		NULL
11700.0000 - 12200.0000 MHz	15M0G7W		NULL
11700.0000 - 12200.0000 MHz	36M0F3F		NULL
11700.0000 - 12200.0000 MHz	24M0F3F		NULL

Points of Communication:

1 - PERMITTED LIST - ()

SES-STA-20230201-00111 E KA275 Intelsat License LLC
Special Temporary Authority
Grant of Authority Date Effective: 03/16/2023

Class of Station:

On March 16, 2023, Intelsat License LLC ("Intelsat") was granted a 30-day STA, commencing March 16, 2023 through April 14, 2023, to operate its Hagerstown, Maryland C-band earth station , Call Sign KA275, to provide telemetry, tracking, and command (TT&C) services to the SES-18 (Call Sign S3096) and SES-19 (Call Sign S3097) satellites during launch and early orbit phase (LEOP), in-orbit testing (IOT) at 141.2° W.L. and 142.8° W.L., and as they drift to their final orbital locations at 103.05° W.L and 134.9° W.L. respectively. STA operations will be performed in the frequency bands 4000-4200 MHz (space-to-Earth) and 6415-6425 MHz (Earth-to-space).

Points of Communication:

SES-STA-20230202-00140 E Intelsat License LLC
Special Temporary Authority
Grant of Authority Date Effective: 03/17/2023

Class of Station:

On March 17, 2023, Intelsat License LLC was granted special temporary authority for 180 days, beginning on March 18, 2023 through September 13, 2023, to operate its fixed earth station in Paumala, HI to provide telemetry, tracking, and command (TT&C) services for the ASCENT CubeSat during its launch and early orbit phase (LEOP) and mission at the 2037.5 MHz (Earth-to-space), and 2233.0 MHz (space-to-Earth) center frequencies.

Points of Communication:

SES-STA-20230213-00166 E E040125 Intelsat License LLC
Special Temporary Authority
Date Effective:

Class of Station:

On March 15, 2023, Intelsat License LLC was granted special temporary authority for 30 days, beginning on March 18, 2023 through April 16, 2023, to operate its fixed earth station in Fillmore, CA to provide telemetry, tracking, and command (TT&C), and launch and early orbit phase (LEOP) services for the NVS-01 satellite at the 5856.9880 MHz and 5853.0280 MHz (Earth-to-space), and 4186.8480 MHz and 4199.5824 MHz (space-to-Earth) center frequencies.

Points of Communication:

SES-STA-20230213-00167 E E4132 Intelsat License LLC
Special Temporary Authority
Date Effective:

Class of Station:

On March 15, 2023, Intelsat License LLC was granted special temporary authority for 30 days, beginning on March 18, 2023 through April 16, 2023, to operate its fixed earth station in Fillmore, CA to provide telemetry, tracking, and command (TT&C), and launch and early orbit phase (LEOP) services for the NVS-01 satellite at the 5856.9880 MHz and 5853.0280 MHz (Earth-to-space), and 4186.8480 MHz and 4199.5824 MHz (space-to-Earth) center frequencies.

Points of Communication:

SES-STA-20230215-00170 E Intelsat License LLC
Special Temporary Authority
Grant of Authority Date Effective: 03/17/2023

Class of Station:

Administrative Grant to reflect continuing operations under Section 1.62 of the Commission's rules.

Points of Communication:

SES-STA-20230223-00211 E Intelsat License LLC
Special Temporary Authority
Grant of Authority Date Effective: 03/20/2023

Class of Station:

On March 20, Intelsat License LLC ("Intelsat") was granted an additional 30-day STA, commencing March 20, 2023 through April 18, 2023, to operate a 0.46 x 0.46 m square Ku-band frequency Earth Station Aboard Aircraft (ESAA) Earth Station in Motion (ESIM) terminal for testing and demonstrations with the OneWeb Constellation NGSO FSS System (Call Sign S2963). The proposed operations will occur while the airplane is on the tarmac at the San Juan Airport (SJU) in San Juan, Puerto Rico, as well as inflight. Inflight testing operations will occur over the continental United States, Puerto Rico and U.S. territories in the greater Caribbean area, and international waters. Testing will not occur over foreign territories or waters. Operations will be performed in the following frequency bands: 11700-12200 MHz (space-to-Earth) and 14000-14500 MHz (Earth-to-space).

Points of Communication:

SES-STA-20230223-00214 E Intelsat License LLC
Special Temporary Authority
Grant of Authority Date Effective: 03/20/2023

Class of Station:

On March 20, 2023, Intelsat License, LLC ("Intelsat") was granted an additional 30-day Special Temporary Authority (STA), commencing March 20, 2023 through April 18, 2023 to operate an Xphased 0.3m flat-panel Ku-band antenna with the geosynchronous satellite Galaxy 17 (Call Sign S2715) on frequency bands 11700-12200 MHz (space-to-Earth) and 14200-14500 MHz (Earth-to-space). The antenna will operate while stationary within the continental United States.

Points of Communication:

SES-STA-20230227-00223 E E220134 Intelsat License LLC
Special Temporary Authority
Grant of Authority Date Effective: 03/20/2023

Class of Station:

On March 20, 2023, Intelsat License, LLC was granted special temporary authority for 30 days, beginning on March 20, 2023 through April 18, 2023, to operate a 9 meter fixed earth station in Ellenwood, GA to communicate with the Galaxy 33 (S3015) satellite and the Permitted List satellites in the 11450-12200 MHz (space-to-Earth), and 13775-14500 MHz (Earth-to-space) frequency bands.

Points of Communication:

SES-STA-20230306-00256 E E190066 SpaceX Services, Inc.
Special Temporary Authority
Grant of Authority Date Effective: 03/20/2023

Class of Station:

On March 20, 2023, SpaceX Services, Inc. ("SpaceX Services") was granted a 60-day STA, commencing March 20, 2023 through May 18, 2023, to communicate between its authorized first-generation fixed user terminal ("U") earth stations located within the United States and its territories and possessions, and the second-generation ("Gen2") non-geostationary orbit (NGSO) Starlink constellation (Call Sign S3069). Operations will be performed in the frequency bands 14.0-14.5 GHz (Earth-to-space) and 10.7-12.7 GHz (space-to-Earth).

Points of Communication:

SES-STA-20230306-00259 E E210127 SpaceX Services, Inc.
Special Temporary Authority
Grant of Authority Date Effective: 03/20/2023

Class of Station:

On March 20, 2023, SpaceX Services, Inc. ("SpaceX Services") was granted a 60-day STA, commencing March 20, 2023 through May 18, 2023, to communicate between its authorized next-generation fixed user terminal ("UT") earth stations located within the United States and its territories and possessions, and the second-generation ("Gen2") non-geostationary orbit (NGSO) Starlink constellation (Call Sign S3069). Operations will be performed in the frequency bands 14.0-14.5 GHz (Earth-to-space) and 10.7-12.7 GHz (space-to-Earth).

Points of Communication:

SES-STA-20230306-00260 E E220009 SpaceX Services, Inc.
Special Temporary Authority
Grant of Authority Date Effective: 03/20/2023

Class of Station:

On March 20, 2023, SpaceX Services, Inc. ("SpaceX Services") was granted a 60-day STA, commencing March 20, 2023 through May 18, 2023, to communicate between its authorized high performance fixed user terminal ("HP-UT") earth stations located within the United States and its territories and possessions, and the second-generation ("Gen2") non-geostationary orbit (NGSO) Starlink constellation (Call Sign S3069). Operations will be performed in the frequency bands 14.0-14.5 GHz (Earth-to-space) and 10.7-12.7 GHz (space-to-Earth).

Points of Communication:

SES-STA-20230315-00292 E E190066 SpaceX Services, Inc.
Special Temporary Authority
Grant of Authority Date Effective: 03/20/2023

Class of Station:

On March 20, 2023, SpaceX Services, Inc. was granted special temporary authority for 30 days, beginning on March 20, 2023 through April 18, 2023, to operate its first-generation fixed user terminal (UT) earth stations in the United States at or above 53 degrees latitude to communicate with the non-geostationary orbit (NGSO) satellite constellation SpaceX (S2983/S3018) in the 14.0-14.5 GHz (Earth-to-space), and 10.7-12.7 GHz (space-to-Earth) frequency bands.

Points of Communication:

SES-STA-20230315-00299 E E220009 SpaceX Services, Inc.
Special Temporary Authority
Grant of Authority Date Effective: 03/20/2023

Class of Station:

On March 20, 2023, SpaceX Services, Inc. was granted special temporary authority for 30 days, beginning on March 20, 2023 through April 18, 2023, to operate its first-generation fixed user terminal (UT) earth stations in the United States at or above 53 degrees latitude to communicate with the non-geostationary orbit (NGSO) satellite constellation SpaceX (S2983/S3018) in the 14.0-14.5 GHz (Earth-to-space), and 10.7-12.7 GHz (space-to-Earth) frequency bands.

Points of Communication:

SES-STA-20230315-00300 E E210127 SpaceX Services, Inc.
Special Temporary Authority
Grant of Authority Date Effective: 03/20/2023

Class of Station:

On March 20, 2023, SpaceX Services, Inc. was granted special temporary authority for 30 days, beginning on March 20, 2023 through April 18, 2023, to operate its next-generation fixed user terminal (UT) earth stations in the United States at or above 53 degrees latitude to communicate with the non-geostationary orbit (NGSO) satellite constellation SpaceX (S2983/S3018) in the 14.0-14.5 GHz (Earth-to-space), and 10.7-12.7 GHz (space-to-Earth) frequency bands.

Points of Communication:

SES-STA-20230317-00363 E E170205 Alaska Communications Internet, LLC
Special Temporary Authority
Grant of Authority Date Effective: 03/21/2023

Class of Station:

On March 21, 2023, Alaska Communications Internet LLC ("Alaska Communications Internet"), was granted an additional 60-day STA, commencing March 21, 2023 through May 19, 2023, to continue to operate its Fort Yukon, AK remote fixed earth station with geosynchronous orbit (GSO) satellite EUTELSAT 115WB (S2938) located at 114.9° W.L. using frequency bands 5925-6425 MHz (Earth-to-space) and 3700-4200 MHz (space-to-Earth).

Points of Communication:

SES-T/C-20220111-00035 E E200305 Schurz Communications, Inc.
Application for Consent to Transfer of Control
Consummated Date Effective: 01/11/2022

Current Licensee: NKTELCO, INC.
FROM: SCHURZ COMMUNICATIONS, INC.
TO: Schurz Communications, Inc.

No. of Station(s) listed: 1

INFORMATIVE

SES-LIC-20220514-00523 E220073 SpaceX Services, Inc.

SpaceX Services, Inc.'s request for an additional 60-day extension of time for the filing of comments on the above-captioned application is granted. The new comment deadline is May 30, 2023.

SURRENDER

SES-MOD-20180821-02801 E880410 Cox Communications Louisiana, LLC

Registration surrendered by letter filed on 3/16/2023

SES-RWL-20190417-00531 E040216 BFI Licenses, LLC

License surrendered by letter filed on 3/15/2023

SES-RWL-20190417-00532 E040218 BFI Licenses, LLC

License surrendered by letter filed on 3/15/2023

SES-RWL-20190417-00533 E040215 BFI Licenses, LLC

License surrendered by letter filed on 3/15/2023

SES-RWL-20190621-00798 E040290 BFI Licenses, LLC

License surrendered by letter filed on 3/15/2023

SES-RWL-20190621-00801 E040291 BFI Licenses, LLC

License surrendered by letter filed on 3/15/2023

For more information concerning this Notice, contact the Satellite Division at 418-0719.