



# PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION  
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Report No. SES-02541

Wednesday February 15, 2023

## Satellite Communications Services re: Satellite Radio Applications Accepted For Filing

The applications listed herein have been found, upon initial review, to be acceptable for filing. The Commission reserves the right to return any of the applications if, upon further examination, it is determined they are defective and not in conformance with the Commission's Rules and Regulations and its Policies. Final action will not be taken on any of these applications earlier than 30 days following the date of this notice. 47 U.S.C. § 309(b). All applications accepted for filing will be assigned call signs, or other unique station identifiers. However, these assignments are for administrative purposes only and do not in any way prejudice Commission action.

SES-AMD-20230207-00128 E E220089 SpaceX Services, Inc.

Amendment

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SpaceX Services Inc. requests amendment of IBFS File No. SES-LIC-20220514-00559 to add 32 identical antennas, and to add the Permitted List satellites and non-geostationary orbit (NGSO) satellite constellation SpaceX Gen2 (S3069) as points of communication..

SITE ID: Romulus NY Gateway

LOCATION: Seneca, Romulus, NY

42 ° 47 ' 17.20 " N LAT.

76 ° 51 ' 47.90 " W LONG.

ANTENNA ID:	CO-1	1.85 meters	SpaceX	1.85M
	29500.0000 - 30000.0000 MHz	480MD7W	62.62 dBW	BPSK up to 64 QAM; Digital Data
	27500.0000 - 29100.0000 MHz	480MD7W	62.62 dBW	BPSK up to 64 QAM; Digital Data
	18800.0000 - 19300.0000 MHz	480MD7W	0.00 dBW	BPSK up to 64 QAM; Digital Data
	17800.0000 - 18600.0000 MHz	480MD7W	0.00 dBW	BPSK up to 64 QAM; Digital Data

### Points of Communication:

Romulus NY Gateway - PERMITTED LIST - ()

Romulus NY Gateway - SPACEX (S2983/3018) - (NGSO)

Romulus NY Gateway - SpaceX GEN2 (S3069) - (NGSO)

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**SES-LIC-20220514-00559** E E220089 SpaceX Services, Inc.

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

See IBFS File No. SES-AMD-20230207-00128 to add 32 identical antennas, and to add the Permitted List satellites and non-geostationary orbit (NGSO) satellite constellation SpaceX Gen2 (S3069) as points of communication.

SITE ID: Romulus NY Gateway

LOCATION: Seneca, Romulus, NY

42 ° 47 ' 17.20 " N LAT.

76 ° 51 ' 47.90 " W LONG.

ANTENNA ID:	CO-1	1.85 meters	SpaceX	1.85M	
17800.0000 - 18600.0000 MHz			480MD7W	0.00 dBW	BPSK up to 64 QAM; Digital Data
18800.0000 - 19300.0000 MHz			480MD7W	0.00 dBW	BPSK up to 64 QAM; Digital Data
27500.0000 - 29100.0000 MHz			480MD7W	62.62 dBW	BPSK up to 64 QAM; Digital Data
29500.0000 - 30000.0000 MHz			480MD7W	62.62 dBW	BPSK up to 64 QAM; Digital Data

**Points of Communication:**

Romulus NY Gateway - PERMITTED LIST - ()

Romulus NY Gateway - SPACEX (S2983/3018) - (NGSO)

Romulus NY Gateway - SpaceX GEN2 (S3069) - (NGSO)

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**SES-LIC-20221229-01539** E E230001 SpaceX Services, Inc.

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Savannah TN Gateway

LOCATION: Hardin, Savannah, TN

35 ° 9 ' 34.20 " N LAT.

88 ° 3 ' 40.70 " W LONG.

ANTENNA ID:	CO-1	1.85 meters	SpaceX	1.85M	
71000.0000 - 76000.0000 MHz			1G20D7W	0.00 dBW	BPSK up to 64 QAM; Digital Data
81000.0000 - 86000.0000 MHz			1G20D7W	70.92 dBW	BPSK up to 64 QAM; Digital Data

**Points of Communication:**

Savannah TN Gateway - OTHER -

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**SES-LIC-20221229-01540** E E230002 SpaceX Services, Inc.

Application for Authority

**Class of Station:** Fixed Earth Stations

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**Nature of Service:** Fixed Satellite Service

SITE ID: Benkelman NE Gateway

LOCATION: Dundy, Benkelman, NE  
40 ° 6 ' 17.80 " N LAT.

101 ° 30 ' 36.90 " W LONG.

ANTENNA ID: CO-1                      1.85 meters                      SpaceX                      1.85M

71000.0000 - 76000.0000 MHz                      1G20D7W                      0.00 dBW                      BPSK up to 64 QAM; Digital Data

81000.0000 - 86000.0000 MHz                      1G20D7W                      70.92 dBW                      BPSK up to 64 QAM; Digital Data

**Points of Communication:**

Benkelman NE Gateway - OTHER -

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**SES-LIC-20221229-01541**    E E230003                      SpaceX Services, Inc.

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Anderson SC Gateway

LOCATION: Anderson, Anderson, SC  
34 ° 26 ' 40.90 " N LAT.

82 ° 40 ' 15.00 " W LONG.

ANTENNA ID: CO-1                      1.85 meters                      SpaceX                      1.85M

71000.0000 - 76000.0000 MHz                      1G20D7W                      0.00 dBW                      BPSK up to 64 QAM; Digital Data

81000.0000 - 86000.0000 MHz                      1G20D7W                      70.92 dBW                      BPSK up to 64 QAM; Digital Data

**Points of Communication:**

Anderson SC Gateway - OTHER -

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**SES-LIC-20221229-01542**    E E230004                      SpaceX Services, Inc.

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Surrency Gateway

LOCATION: Appling, Surrency, GA  
31 ° 40 ' 58.30 " N LAT.

82 ° 16 ' 11.00 " W LONG.

ANTENNA ID: CO-1                      1.85 meters                      SpaceX                      1.85M

71000.0000 - 76000.0000 MHz                      1G20D7W                      0.00 dBW                      BPSK up to 64 QAM; Digital Data

81000.0000 - 86000.0000 MHz                      1G20D7W                      70.92 dBW                      BPSK up to 64 QAM; Digital Data

**Points of Communication:**

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Surrency Gateway - OTHER -

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**SES-LIC-20221229-01543** E E230005 SpaceX Services, Inc.

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Blountsville Gateway

LOCATION: Blount, Blountsvilole, AL

34 ° 5 ' 54.40 " N LAT.

86 ° 34 ' 42.70 " W LONG.

ANTENNA ID: CO-1 1.85 meters SpaceX 1.85M

71000.0000 - 76000.0000 MHz 1G20D7W 0.00 dBW BPSK up to 64 QAM; Digital Data

81000.0000 - 86000.0000 MHz 1G20D7W 70.92 dBW BPSK up to 64 QAM; Digital Data

**Points of Communication:**

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Blountsville Gateway - OTHER -

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**SES-MOD-20230201-00110** E E990422 Comsat, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Comsat, Inc. requests modification of its fixed earth station in Santa Paula, CA to change its status from common carrier to non-common carrier.

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 -

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**SES-MOD-20230201-00112** E WA28 Comsat, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Comsat, Inc. requests modification of its fixed earth station in Southbury, CT to change its status from common carrier to non-common carrier.

SITE ID: 21CTTC/HUB  
 LOCATION: 2120 RIVER ROAD (12.8M.)-C-BAND/L-BAND, NEW HAVEN, SOUTHURY, 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, SOUTHURY, 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	

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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

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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

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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, SOUTHURY, 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, SOUTHURY, 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, SOUTHURY, 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

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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, SOUTHURY, 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		



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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	132K67D	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.)

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

23ACTTC - PERMITTED LIST - ()

23BLBAND - ISAT List -

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

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Comsat Inc. requests modification of its fixed earth station in Santa Paua, CA to change its status from common carrier to non-common carrier.

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 -

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

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Comsat Inc. requests modification of its fixed earth station in Southbury, CT to change its status from common carrier to non-common carrier.

SITE ID: 2.2M  
 LOCATION: 2120 RIVER ROAD, NEW HAVEN, SOUTHURY, 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, SOUTHURY, 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, SOUTHURY, 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	

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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

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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

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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 - ()



28LBAND - ISAT List -

**SES-MOD-20230201-00118** E KA312 Comsat, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Comsat, Inc., requests modification of its fixed earth station in Southbury, CT to change the regulatory status to Non-Common Carrier.

**SITE ID:** SOUTHBURY

**LOCATION:** 2120 RIVER RD., NEW HAVEN, SOUTHBURY, CT

41 ° 27 ' 6.30 " N LAT.

73 ° 17 ' 21.40 " W LONG.

ANTENNA ID:	1.52M	1.52 meters	COMSAT LABS	
	1626.5000 - 1660.5000 MHz	NON	31.00 dBW	PILOT
	1626.5000 - 1660.5000 MHz	24K0F3E	36.00 dBW	ANALOG CARRIER
	1626.5000 - 1660.5000 MHz	10K5G2F	36.00 dBW	DIGTIAL CARRIER
	1626.5000 - 1660.5000 MHz	1K20G1D	36.00 dBW	DIGTIAL CARRIER
	1626.5000 - 1660.5000 MHz	1K20G2D	36.00 dBW	DIGTIAL CARRIER
	1626.5000 - 1660.5000 MHz	2K40G2D	36.00 dBW	DIGTIAL CARRIER
	1626.5000 - 1660.5000 MHz	600HG1D	36.00 dBW	DIGTIAL CARRIER
	1626.5000 - 1660.5000 MHz	600HG2D	36.00 dBW	DIGTIAL CARRIER
	1626.5000 - 1649.5000 MHz	10K5G1E	31.20 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	600HG1D	15.00 dBW	AERO
	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	30K0F3E	37.00 dBW	STA A VOICE
	1626.5000 - 1647.5000 MHz	4K80G1D	37.00 dBW	STD A TELEX
	1574.4000 - 1576.6000 MHz	10K5G2F		DIGTIAL CARRIER

1574.4000 - 1576.6000 MHz	1K20G1D		DIGTIAL CARRIER
1574.4000 - 1576.6000 MHz	1K20G2D		DIGTIAL CARRIER
1574.4000 - 1576.6000 MHz	2K40G1D		DIGTIAL CARRIER
1574.4000 - 1576.6000 MHz	600HG1D		DIGTIAL CARRIER
1574.4000 - 1576.6000 MHz	600HG2D		DIGTIAL CARRIER
1530.0000 - 1548.0000 MHz	10K5G1E		AERO
1530.0000 - 1548.0000 MHz	1K20G1D		AERO
1530.0000 - 1548.0000 MHz	2K40G1D		AERO
1530.0000 - 1548.0000 MHz	600HG1D		AERO
1530.0000 - 1545.0000 MHz	NON		PILOT
1530.0000 - 1545.0000 MHz	1K20G1D		STD-C
1530.0000 - 1545.0000 MHz	600HG1D		STD-C
1530.0000 - 1545.0000 MHz	1K20G1D		STRD A TELEX
1530.0000 - 1545.0000 MHz	30K0F3E		STD A VOICE
1525.0000 - 1599.0000 MHz	10K5G2F		DIGTIAL CARRIER
1525.0000 - 1599.0000 MHz	1K20G1D		DIGTIAL CARRIER
1525.0000 - 1599.0000 MHz	1K20G2D	0.00 dBW	DIGTIAL CARRIER
1525.0000 - 1559.0000 MHz	2K40G1D	0.00 dBW	DIGTIAL CARRIER
1525.0000 - 1559.0000 MHz	600HG1D	0.00 dBW	DIGTIAL CARRIER
1525.0000 - 1559.0000 MHz	600HG2D	0.00 dBW	DIGTIAL CARRIER
ANTENNA ID: 11M	11 meters	SCIENTIFIC-ATLANTA	8007
6454.4000 - 6456.6000 MHz	1K20G1D	42.50 dBW	DIGTIAL CARRIER
6454.4000 - 6456.6000 MHz	10K5G2F	42.50 dBW	DIGTIAL CARRIER
6454.4000 - 6456.6000 MHz	1K20G2D	42.50 dBW	DIGTIAL CARRIER
6454.4000 - 6456.6000 MHz	2K40G2D	42.50 dBW	DIGTIAL CARRIER
6454.4000 - 6456.6000 MHz	2M20G1D	78.00 dBW	DIGTIAL CARRIER

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6454.4000 - 6456.6000 MHz	600HG1D	42.50 dBW	DIGTIAL CARRIER
6454.4000 - 6456.6000 MHz	600HG2D	42.50 dBW	DIGTIAL CARRIER
6454.4000 - 6456.6000 MHz	2M20G1D	82.30 dBW	BPSK SPREAD SPECTRUM DATA (NAVIGATION) TO SUPPORT FAA-WASS PROGRAM
6425.0000 - 6454.0000 MHz	10K5G2F	42.50 dBW	DIGTIAL CARRIER
6425.0000 - 6454.0000 MHz	1K20G1D	42.50 dBW	DIGTIAL CARRIER
6425.0000 - 6454.0000 MHz	1K20G2D	42.50 dBW	DIGTIAL CARRIER
6425.0000 - 6454.0000 MHz	2K40G2D	42.50 dBW	DIGTIAL CARRIER
6425.0000 - 6454.0000 MHz	2M20G1D	78.00 dBW	DIGTIAL CARRIER
6425.0000 - 6454.0000 MHz	2M20G1D	82.30 dBW	DIGTIAL CARRIER
6425.0000 - 6454.0000 MHz	600HG1D	42.50 dBW	DIGTIAL CARRIER
6425.0000 - 6454.0000 MHz	600HG2D	42.50 dBW	DIGTIAL CARRIER
6417.5000 - 6443.0000 MHz	12K0G3E		INM B,C,M, FEEDERLINK
6417.5000 - 6443.0000 MHz	6K00G1D		INM B,C,M, FEEDERLINK
6417.5000 - 6443.0000 MHz	12K0G1D		INM B,C,M, FEEDERLINK
6417.5000 - 6443.0000 MHz	4K00G1D		INM B,C,M, FEEDERLINK
6417.5000 - 6443.0000 MHz	4K00G3E		INM B,C,M, FEEDERLINK
6417.5000 - 6443.0000 MHz	7K50G3E		INM B,C,M, FEEDERLINK
6417.5000 - 6443.0000 MHz	1K20G1D	65.00 dBW	AERO, FEEDERLINK
6417.5000 - 6443.0000 MHz	600HG1D	65.00 dBW	AERO, FEEDERLINK
6417.5000 - 6443.0000 MHz	2K40G1D	65.00 dBW	TDM, AERO, FEEDERLINK
6417.5000 - 6443.0000 MHz	10K5G1E	69.20 dBW	DIGITAL VOICE, AERO, FEEDERLINK
6417.5000 - 6440.0000 MHz	NON	77.00 dBW	PILOT
6417.5000 - 6440.0000 MHz	600HG1D	77.00 dBW	TDM, STD-C, FEEDERLINK
6417.5000 - 6440.0000 MHz	1K20G1D	77.00 dBW	TDM, STD-C, FEEDERLINK
6417.5000 - 6440.0000 MHz	1K20G1D	77.00 dBW	TDM, STD-A, TELEX, FEEDERLINK

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6417.5000 - 6440.0000 MHz	30K0F3E	77.00 dBW	ANALOG STD-A, VOICE, FEEDERLINK
5925.0000 - 6425.0000 MHz	18M0F8F-	80.50 dBW	ANALOG VIDEO
5925.0000 - 6425.0000 MHz	36M0F8F	80.50 dBW	ANALOG VIDEO
5925.0000 - 6425.0000 MHz	4M00G7F-	85.80 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	36M0G7F	81.30 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	21K9G7D-	85.80 dBW	DIGITAL DATA
5925.0000 - 6425.0000 MHz	72M0G7D	58.70 dBW	DIGITAL DATA
4192.5000 - 4200.0000 MHz	12K0G1D		INM B,C,M
4192.5000 - 4200.0000 MHz	12K0G3E		INM B,C,M
4192.5000 - 4200.0000 MHz	3K00G1E		INM B,C,M
4192.5000 - 4200.0000 MHz	4K00G1D		INM B,C,M
4192.5000 - 4200.0000 MHz	4K00G3E		INM B,C,M
4192.5000 - 4200.0000 MHz	7K50G3E		INM B,C,M
4192.5000 - 4200.0000 MHz	2K40G1D		TDM, AERO, FEEDERLINK
4192.5000 - 4200.0000 MHz	1K20G1D		TDM, STD-C, AERO FEEDERLINK
4192.5000 - 4200.0000 MHz	600HG1D		TDM, STD-C, AERO FEEDERLINK
4192.5000 - 4200.0000 MHz	10K5G1E		TDM, STD-C, AERO FEEDERLINK
4192.5000 - 4200.0000 MHz	4K80G1D		TDM, STD-C, AERO FEEDERLINK
4192.5000 - 4200.0000 MHz	NON		PILOT
3700.0000 - 4200.0000 MHz	18M0F8F-		ANALOG VIDEO
3700.0000 - 4200.0000 MHz	36M0F8F		ANALOG VIDEO
3700.0000 - 4200.0000 MHz	4M00G7F-		DIGITAL VIDEO
3700.0000 - 4200.0000 MHz	36M0G7F		DIGITAL VIDEO
3700.0000 - 4200.0000 MHz	21K9G7D-		DIGITAL DATA
3700.0000 - 4200.0000 MHz	72M0G7D		DIGITAL DATA

3629.4000 - 3631.6000 MHz	2M20G1D	BPSK SPREAD SPECTRUM DATA (NAVIGATION) TO SUPPORT FAA-WASS PROGRAM
3600.0000 - 3629.0000 MHz	2M20G1D	DIGITAL CARRIER
3600.0000 - 3623.0000 MHz	10K5G1E	DIGITAL VOICE, AERO
3600.0000 - 3623.0000 MHz	12K0G1D	INM B,C,M, FEEDERLINK
3600.0000 - 3623.0000 MHz	12K0G3E	INM B,C,M, FEEDERLINK
3600.0000 - 3623.0000 MHz	3K00G1D	INM B,C,M, FEEDERLINK
3600.0000 - 3623.0000 MHz	4K00G1D	INM B,C,M, FEEDERLINK
3600.0000 - 3623.0000 MHz	4K00G3E	INM B,C,M, FEEDERLINK
3600.0000 - 3623.0000 MHz	7K50G3E	INM B,C,M, FEEDERLINK
3600.0000 - 3623.0000 MHz	1K20G1D	TDM, AERO, FEEDERLINK
3600.0000 - 3623.0000 MHz	2K40G1D	TDM, AERO, FEEDERLINK
3600.0000 - 3623.0000 MHz	4K80G1D	TDM, AERO, FEEDERLINK
3600.0000 - 3623.0000 MHz	600HG1D	TDM, AERO, FEEDERLINK
3600.0000 - 3620.0000 MHz	1K20G1D	STD-C
3600.0000 - 3620.0000 MHz	600HG1D	STD-C
3600.0000 - 3620.0000 MHz	NON	PILOT
3600.0000 - 3620.0000 MHz	30K0F3E	STD A VOICE
3600.0000 - 3260.0000 MHz	4K80G1D	STD A TELEX

ANTENNA ID: 11M                      11 meters                      SCIENTIFIC-ATLANTA                      8007

SITE ID: SBY20

LOCATION: 2120 RIVER ROAD (new C-band Hub Antenna), NEW HAVEN, SOUTHURY, CT

41 ° 27 ' 6.30 " N LAT.

73 ° 17 ' 16.40 " W LONG.

ANTENNA ID: SBY20                      13.1 meters                      GD SATCOM                      13.1 METER

6679.4200 - 6701.4200 MHz                      22M0G7W                      83.00 dBW                      IOT C5 DIGITAL DATA FEEDER  
LINK SYSTEM TESTING FAA-WAAS

6679.4200 - 6701.4200 MHz                      22M0G7W                      78.00 dBW                      OPERATIONAL C5 DIGITAL DATA  
FEEDER FAA-WAAS

6628.2700 - 6650.2700 MHz	22M0G7W	83.00 dBW	IOT C1 DIGITAL DATA FEEDER LINK SYSTEM TESTING FAA-WAAS
6628.2700 - 6650.2700 MHz	22M0G7W	78.00 dBW	OPERATIONAL C1 DIGITAL DATA FEEDER FAA-WAAS
4199.6000 - 4200.0000 MHz	0M4KG7W		BEACON-2 PCM
4198.0000 - 4198.4000 MHz	0M4KG7W		BEACON-1 PCM
1564.4200 - 1586.4200 MHz	22M0G7W		IOT-DIGITAL DATA SYSTEM TESTING FAA-WAAS
1564.4200 - 1586.4200 MHz	22M0G7W		OPERATIONAL C1 DIGITAL DATA FAA-WAAS
1165.4500 - 1187.4500 MHz	22M0G7W		IOT-DIGITAL DATA SYSTEM TESTING FAA-WAAS
1165.4500 - 1187.4500 MHz	22M0G7W		OPERATIONAL C5 DIGITAL DATA FAA-WAAS

**Points of Communication:**

- SBY20 - E117 WB (S2926) - (117 W.L.)
- SOUTHBURY - INMARSAT 4F2 - (52.75)
- SOUTHBURY - INMARSAT Ltd-3 - (15.5 W.L.)
- SOUTHBURY - INMARSAT-2 AOR-EAST - (17 W.L.)
- SOUTHBURY - INMARSAT-2 AOR-WEST - (98 W.L.)
- SOUTHBURY - INTV - (18.5 W)
- SOUTHBURY - ISAT List -
- SOUTHBURY - PERMITTED LIST - ()

**SES-MOD-20230201-00119** E KA249 Comsat, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Comsat Inc. requests modification of its fixed earth station in Santa Paula, CA to change its status from common carrier to non-common carrier.

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
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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 - ()

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Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Comsat, Inc., requests modification of its fixed earth station in Southbury, CT to change the regulatory status to Non-Common Carrier.

SITE ID: SBY343KU

LOCATION: 2120 RIVER ROAD (4.8M.KU), NEW HAVEN, SOUTHURY, CT

41 ° 27 ' 4.26 " N LAT.

73 ° 17 ' 22.36 " W LONG.

ANTENNA ID:	SBY343KU	4.8 meters	GENERAL DYNAMICS SATCOM	4.8M 037974-01
14000.0000 - 14500.0000 MHz	64K0G7W	40.00 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
14000.0000 - 14500.0000 MHz	54M0D7W	81.00 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
14000.0000 - 14500.0000 MHz	54M0D1W	81.00 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
14000.0000 - 14000.0000 MHz	45M0G7W	81.00 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
14000.0000 - 14000.0000 MHz	36M0G7W	80.60 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
14000.0000 - 14000.0000 MHz	36M0G1W	80.60 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
14000.0000 - 14000.0000 MHz	32K0G7W	50.10 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
14000.0000 - 14000.0000 MHz	32K0G1W	50.10 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
14000.0000 - 14000.0000 MHz	1M50G7W	53.00 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
11700.0000 - 12200.0000 MHz	64K0G7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
11700.0000 - 12200.0000 MHz	54M0D7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
11700.0000 - 12200.0000 MHz	54M0D1W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
11700.0000 - 12200.0000 MHz	45M0G7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
11700.0000 - 12200.0000 MHz	36M0G7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	



11700.0000 - 12200.0000 MHz	36M0G1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11700.0000 - 12200.0000 MHz	32K0G7W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11700.0000 - 12200.0000 MHz	32K0G1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11700.0000 - 12200.0000 MHz	1M00G7W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS

SITE ID: SBY301KU  
LOCATION: 2120 RIVER ROAD (9.0M.KU), NEW HAVEN, SOUTHURRY, CT  
41 ° 27 ' 7.00 " N LAT. 73 ° 17 ' 19.80 " W LONG.

ANTENNA ID:	SBY301KU	9 meters	VERTEX	9KPK
14000.0000 - 14500.0000 MHz	800KG1F	69.11 dBW	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO	
14000.0000 - 14500.0000 MHz	400KG1F	66.10 dBW	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO	
14000.0000 - 14500.0000 MHz	200KG1F	63.08 dBW	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO	
14000.0000 - 14500.0000 MHz	1M60G1F	72.12 dBW	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO	
14000.0000 - 14500.0000 MHz	64K0G7W	58.10 dBW	DIGITAL VIDEO, AUDIO, AND DATA	
14000.0000 - 14500.0000 MHz	600KG7W	67.90 dBW	DIGITAL VIDEO, AUDIO, AND DATA	
14000.0000 - 14500.0000 MHz	45M0G7W	86.60 dBW	DIGITAL VIDEO, AUDIO, AND DATA	
14000.0000 - 14500.0000 MHz	1M86G7W	68.60 dBW	DIGITAL VIDEO, AUDIO, AND DATA	
14000.0000 - 14500.0000 MHz	36M0G7W	72.00 dBW	QPSK, DIGITAL TELEPHONY	
14000.0000 - 14500.0000 MHz	9K00G7W	49.62 dBW	QPSK DIGITAL DATA	
14000.0000 - 14500.0000 MHz	76K8G7W	58.93 dBW	QPSK DIGITAL DATA	
14000.0000 - 14500.0000 MHz	72M0G7W	88.55 dBW	QPSK DIGITAL DATA	
14000.0000 - 14500.0000 MHz	45K0G7W	56.61 dBW	QPSK DIGITAL DATA	
14000.0000 - 14500.0000 MHz	43K8G7W	56.49 dBW	QPSK DIGITAL DATA	
14000.0000 - 14500.0000 MHz	42M0G7W	86.31 dBW	QPSK DIGITAL DATA	

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14000.0000 - 14500.0000 MHz	32K0G7W	55.13 dBW	QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	2M29G7W	73.67 dBW	QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	2M0G7W	83.08 dBW	QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	100KG7W	66.07 dBW	QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	6M0G7W	77.23 dBW	QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	36M0F8W	80.14 dBW	ANALOG VIDEO
13780.0000 - 14500.0000 MHz	64K0G7W	58.10 dBW	DIGITAL VIDEO, AUDIO, AND DATA
13780.0000 - 14500.0000 MHz	10M0G7W	80.10 dBW	DIGITAL VIDEO, AUDIO, AND DATA
13778.0000 - 14000.0000 MHz	600KG7W	67.90 dBW	DIGITAL VIDEO, AUDIO, AND DATA
13778.0000 - 14000.0000 MHz	45M0G7W	86.60 dBW	DIGITAL VIDEO, AUDIO, AND DATA
13778.0000 - 14000.0000 MHz	1M86G7W	68.80 dBW	DIGITAL VIDEO, AUDIO, AND DATA
13750.0000 - 14000.0000 MHz	36M0G7W	74.50 dBW	QPSK, DIGITAL TELEPHONY
13750.0000 - 13772.0000 MHz	600KG7W	67.90 dBW	DIGITAL VIDEO, AUDIO, AND DATA
13750.0000 - 13772.0000 MHz	21M0G7W	83.30 dBW	DIGITAL VIDEO, AUDIO, AND DATA
13750.0000 - 13772.0000 MHz	1M86G7W	68.80 dBW	DIGITAL VIDEO, AUDIO, AND DATA
13750.0000 - 13770.0000 MHz	64K0G7W	58.10 dBW	DIGITAL VIDEO, AUDIO, AND DATA
13750.0000 - 13770.0000 MHz	10M0G7W	80.10 dBW	DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	64K0G7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	10M0G7W		DIGITAL VIDEO, AUDIO, AND DATA
11450.0000 - 11700.0000 MHz	800KG1F		PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
11450.0000 - 11700.0000 MHz	400KG1F		PSK DIGITAL VIDEO W/ASSOC DIG AUDIO

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11450.0000 - 11700.0000 MHz	200KG1F	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
11450.0000 - 11700.0000 MHz	1M60G1F	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
11450.0000 - 11700.0000 MHz	7M50G7W	DIGITAL VIDEO, AUDIO, AND DATA
11450.0000 - 11700.0000 MHz	64K0G7W	DIGITAL VIDEO, AUDIO, AND DATA
11450.0000 - 11700.0000 MHz	64K0G7W	DIGITAL VIDEO, AUDIO, AND DATA
11450.0000 - 11700.0000 MHz	417KG7W	DIGITAL VIDEO, AUDIO, AND DATA
11450.0000 - 11700.0000 MHz	10M0G7W	DIGITAL VIDEO, AUDIO, AND DATA
11450.0000 - 11700.0000 MHz	36M0G7W	QPSK, DIGITAL TELEPHONY
11450.0000 - 11700.0000 MHz	9K00G7W	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	76K8G7W	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	72M0G7W	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	45K0G7W	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	43K8G7W	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	42M0G7W	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	36M0G7W	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	32K0G7W	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	2M29G7W	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	20M0G7W	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	100KG7W	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	36M0F8W	ANALOG VIDEO
10950.0000 - 11200.0000 MHz	64K0G7W	DIGITAL VIDEO, AUDIO, AND DATA
10950.0000 - 11200.0000 MHz	417KG7W	DIGITAL VIDEO, AUDIO, AND DATA
10700.0000 - 12500.0000 MHz	36M0G7W	QPSK, DIGITAL TELEPHONY

SITE ID: 1  
 LOCATION: 2120 RIVER ROAD, NEW HAVEN, SOUTHURY, CT  
 41 ° 27 ' 6.00 " N LAT. 73 ° 17 ' 23.00 " W LONG.

ANTENNA ID:	1	0.03 meters	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)	

SITE ID: HUB(8.1M)KU  
 LOCATION: 2120 RIVER ROAD (8.1M.)KU, NEW HAVEN, SOUTHURY, CT  
 41 ° 27 ' 6.20 " N LAT. 73 ° 17 ' 18.05 " W LONG.

ANTENNA ID:	(8.1M.)KU	8.1 meters	VERTEX	KPK
14000.0000 - 14500.0000 MHz	800KG1F	69.11 dBW	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO	
14000.0000 - 14500.0000 MHz	400KG1F	66.10 dBW	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO	
14000.0000 - 14500.0000 MHz	200KG1F	63.08 dBW	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO	
14000.0000 - 14500.0000 MHz	1M60G1F	72.12 dBW	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO	
14000.0000 - 14500.0000 MHz	36M0G7W	72.00 dBW	QPSK, DIGITAL TELEPHONY	
14000.0000 - 14500.0000 MHz	9K00G7W	49.62 dBW	QPSK DIGITAL DATA	
14000.0000 - 14500.0000 MHz	76K8G7W	58.93 dBW	QPSK DIGITAL DATA	
14000.0000 - 14500.0000 MHz	72M0G7W	88.55 dBW	QPSK DIGITAL DATA	
14000.0000 - 14500.0000 MHz	45K0G7W	56.61 dBW	QPSK DIGITAL DATA	
14000.0000 - 14500.0000 MHz	43K8G7W	56.49 dBW	QPSK DIGITAL DATA	
14000.0000 - 14500.0000 MHz	42M0G7W	86.31 dBW	QPSK DIGITAL DATA	

14000.0000 - 14500.0000 MHz	36M0G7W	77.23 dBW	QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	32K0G7W	55.13 dBW	QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	2M29G7W	73.67 dBW	QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	20M0G7W	83.08 dBW	QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	100KG7W	60.07 dBW	QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	36M0F8W	80.14 dBW	ANALOG VIDEO
11700.0000 - 12200.0000 MHz	800KG1F		PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
11700.0000 - 12200.0000 MHz	400KG1F		PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
11700.0000 - 12200.0000 MHz	200KG1F		PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
11700.0000 - 12200.0000 MHz	1M60G1F		PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
11700.0000 - 12200.0000 MHz	36M0G7W		QPSK, DIGITAL TELEPHONY
11700.0000 - 12200.0000 MHz	9K00G7W		QPSK DIGITAL DATA
11700.0000 - 12200.0000 MHz	76K8G7W		QPSK DIGITAL DATA
11700.0000 - 12200.0000 MHz	72M0G7W		QPSK DIGITAL DATA
11700.0000 - 12200.0000 MHz	45K0G7W		QPSK DIGITAL DATA
11700.0000 - 12200.0000 MHz	43K8G7W		QPSK DIGITAL DATA
11700.0000 - 12200.0000 MHz	42M0G7W		QPSK DIGITAL DATA
11700.0000 - 12200.0000 MHz	36M0G7W		QPSK DIGITAL DATA
11700.0000 - 12200.0000 MHz	32K0G7W		QPSK DIGITAL DATA
11700.0000 - 12200.0000 MHz	2M29G7W		QPSK DIGITAL DATA
11700.0000 - 12200.0000 MHz	20M0G7W		QPSK DIGITAL DATA
11700.0000 - 12200.0000 MHz	100KG7W		QPSK DIGITAL DATA
11700.0000 - 12200.0000 MHz	36M0F8W		QPSK DIGITAL DATA

SITE ID: HUB(6.1M)KU  
 LOCATION: 2120 RIVER ROAD (6.1M)KU, NEW HAVEN, SOUTHURY, CT  
 41 ° 27 ' 5.25 " N LAT. 73 ° 17 ' 17.15 " W LONG.

ANTENNA ID:	(6.1M)KU	6.1 meters	VERTEX	KPK
	14000.0000 - 14500.0000 MHz	800KG1F	66.11 dBW	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
	14000.0000 - 14500.0000 MHz	400KG1F	63.10 dBW	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
	14000.0000 - 14500.0000 MHz	200KG1F	60.08 dBW	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
	14000.0000 - 14500.0000 MHz	1M60G1F	69.12 dBW	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
	14000.0000 - 14500.0000 MHz	36M0G7W	71.70 dBW	QPSK, DIGITAL TELEPHONY
	14000.0000 - 14500.0000 MHz	9K00G7W	46.62 dBW	QPSK DIGITAL DATA
	14000.0000 - 14500.0000 MHz	76K8G7W	55.93 dBW	QPSK DIGITAL DATA
	14000.0000 - 14500.0000 MHz	45K0G7W	53.61 dBW	QPSK DIGITAL DATA
	14000.0000 - 14500.0000 MHz	43K8G7W	53.49 dBW	QPSK DIGITAL DATA
	14000.0000 - 14500.0000 MHz	36M0G7W	79.63 dBW	QPSK DIGITAL DATA
	14000.0000 - 14500.0000 MHz	32K0G7W	52.13 dBW	QPSK DIGITAL DATA
	14000.0000 - 14500.0000 MHz	2M29G7W	70.67 dBW	QPSK DIGITAL DATA
	14000.0000 - 14500.0000 MHz	20M0G7W	80.08 dBW	QPSK DIGITAL DATA
	14000.0000 - 14500.0000 MHz	100KG7W	57.07 dBW	QPSK DIGITAL DATA
	14000.0000 - 14500.0000 MHz	36M0F8W	80.14 dBW	ANALOG VIDEO
	11700.0000 - 12200.0000 MHz	800KG1F		PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
	11700.0000 - 12200.0000 MHz	400KG1F		PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
	11700.0000 - 12200.0000 MHz	200KG1F		PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
	11700.0000 - 12200.0000 MHz	1M60G1F		PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
	11700.0000 - 12200.0000 MHz	36M0G7W		QPSK, DIGITAL TELEPHONY
	11700.0000 - 12200.0000 MHz	9K00G7W		QPSK DIGITAL DATA
	11700.0000 - 12200.0000 MHz	76K8G7W		QPSK DIGITAL DATA

11700.0000 - 12200.0000 MHz	45K0G7W	QPSK DIGITAL DATA
11700.0000 - 12200.0000 MHz	43K8G7W	QPSK DIGITAL DATA
11700.0000 - 12200.0000 MHz	36M0G7W	QPSK DIGITAL DATA
11700.0000 - 12200.0000 MHz	32K0G7W	QPSK DIGITAL DATA
11700.0000 - 12200.0000 MHz	2M29G7W	QPSK DIGITAL DATA
11700.0000 - 12200.0000 MHz	20M0G7W	QPSK DIGITAL DATA
11700.0000 - 12200.0000 MHz	100KG7W	QPSK DIGITAL DATA
11700.0000 - 12200.0000 MHz	36M0F8W	QPSK DIGITAL DATA

SITE ID: HUB(1.2M)KU  
LOCATION: 2120 RIVER ROAD (1.2M)KU, NEW HAVEN, SOUTHURY, CT  
41 ° 27 ' 5.43 " N LAT. 73 ° 17 ' 21.00 " W LONG.

ANTENNA ID:	(1.2M)KU	1.2 meters	PRODELIN	1123
14000.0000 - 14500.0000 MHz	64K0G7W	41.30 dBW	DIGITAL AUDIO, VIDEO, AND DATA	
14000.0000 - 14500.0000 MHz	36M0G7W	63.30 dBW	DIGITAL AUDIO, VIDEO, AND DATA	
14000.0000 - 14500.0000 MHz	1M62G7W	55.30 dBW	DIGITAL AUDIO, VIDEO, AND DATA	
14000.0000 - 14500.0000 MHz	169KG7W	55.30 dBW	DIGITAL AUDIO, VIDEO, AND DATA	
11700.0000 - 12200.0000 MHz	64K0G7W	DIGITAL AUDIO, VIDEO, AND DATA		
11700.0000 - 12200.0000 MHz	54M0G7W	DIGITAL AUDIO, VIDEO, AND DATA		
11700.0000 - 12200.0000 MHz	3M00G7W	DIGITAL AUDIO, VIDEO, AND DATA		
11700.0000 - 12200.0000 MHz	36M0G7W	DIGITAL AUDIO, VIDEO, AND DATA		

SITE ID: SBY332KU  
LOCATION: 2120 RIVER ROAD (9.0M.KU), NEW HAVEN, SOUTHURY, CT  
41 ° 27 ' 5.65 " N LAT. 73 ° 17 ' 17.65 " W LONG.

ANTENNA ID:	SBY332KU	9 meters	VERTEX	9KPK
14000.0000 - 14500.0000 MHz	200KG1F	63.10 dBW	PSK DIGITAL VIDEO AND ASSOCIATED DIGITAL AUDIO	
14000.0000 - 14500.0000 MHz	1M60G1F	72.10 dBW	PSK DIGITAL VIDEO AND ASSOCIATED DIGITAL AUDIO	
14000.0000 - 14500.0000 MHz	9K00G7W	49.60 dBW	DIGITAL VIDEO, AUDIO, AND DATA	

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14000.0000 - 14500.0000 MHz	72M0G7W	88.70 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	36M0F8W	80.10 dBW	ANALOG VIDEO
11700.0000 - 12200.0000 MHz	200KG1F		PSK DIGITAL VIDEO AND ASSOCIATED DIGITAL AUDIO
11700.0000 - 12200.0000 MHz	1M60G1F		PSK DIGITAL VIDEO AND ASSOCIATED DIGITAL AUDIO
11700.0000 - 12200.0000 MHz	9K00G7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	72M0G7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	36M0F8W		ANALOG VIDEO

**Points of Communication:**

- 1 - INMARSAT Ltd-3 - (15.5 W.L.)
- 1 - INMARSAT-2 AOR-EAST - (17 W.L.)
- 1 - INMARSAT-2 AOR-WEST - (98 W.L.)
- 1 - ISAT List -
- HUB(1.2M)KU - PERMITTED LIST - ()
- HUB(6.1M)KU - PERMITTED LIST - ()
- HUB(8.1M)KU - PERMITTED LIST - ()
- SBY301KU - AMAZONAS 2 (S2793) - (61 W.L.)
- SBY301KU - ESTRELA DO SUL 2 - (63 W.L.)
- SBY301KU - PERMITTED LIST - ()
- SBY301KU - TELSTAR 11N (S2357) - (37.5 W.L.)
- SBY301KU - TELSTAR 12 V (S2933) - (15 W.L.)
- SBY332KU - PERMITTED LIST - ()
- SBY343KU - PERMITTED LIST - ()

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

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Comsat Inc. requests modification of its fixed earth station in Santa Paula, CA to change its status from common carrier to non-common carrier.

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	

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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

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10950.0000 - 11200.0000 MHz	2M60G7W		DVB/MFTDMA USING QPSK AND BPSK MODULATION
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10950.0000 - 11200.0000 MHz	54M0G7W		DVB/MFTDMA USING QPSK AND BPSK MODULATION
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SITE ID: REMOTE-3 ESV  
LOCATION: 50 (1.2 m antennas), CONUS

ANTENNA ID: ESV-4996T	1.2 meters	SEATEL	4996T
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14000.0000 - 14500.0000 MHz	1M43G1W	51.10 dBW	SCPC USING QPSK AND BPSK MODULATION
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14000.0000 - 14500.0000 MHz	44K8G1W	36.10 dBW	SCPC USING QPSK AND BPSK MODULATION
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14000.0000 - 14500.0000 MHz	717KG1W	48.10 dBW	SCPC USING QPSK AND BPSK MODULATION
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14000.0000 - 14500.0000 MHz	89K6G1W	39.10 dBW	SCPC USING QPSK AND BPSK MODULATION
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11450.0000 - 12200.0000 MHz	1M43G1W		SCPC USING QPSK AND BPSK MODULATION
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11450.0000 - 12200.0000 MHz	44K8G1W		SCPC USING QPSK AND BPSK MODULATION
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11450.0000 - 12200.0000 MHz	717KG1W		SCPC USING QPSK AND BPSK MODULATION
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11450.0000 - 12200.0000 MHz	89K6G1W		SCPC USING QPSK AND BPSK MODULATION
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10950.0000 - 11200.0000 MHz	1M43G1W		SCPC USING QPSK AND BPSK MODULATION
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10950.0000 - 11200.0000 MHz	44K8G1W		SCPC USING QPSK AND BPSK MODULATION
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10950.0000 - 11200.0000 MHz	717KG1W		SCPC USING QPSK AND BPSK MODULATION
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10950.0000 - 11200.0000 MHz	89K6G1W		SCPC USING QPSK AND BPSK MODULATION
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SITE ID: REMOTE-5 ESV  
LOCATION: 500 (1.05M. antennas), CONUS

ANTENNA ID: ESV-V110	1.05 meters	INTELLIAN	V110
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14000.0000 - 14500.0000 MHz	97K0G7W	39.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
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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	



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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-MOD-20230201-00147** E E890649 Comsat, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Comsat, Inc., requests modification of its fixed earth station (ESV) and VSAT Network to change the regulatory status to Non-Common Carrier.

SITE ID: STLI5009

LOCATION: 1.2 M. STLI5009, (500 UNITS)

ANTENNA ID:	STI5009	1.2 meters	SEATEL	5009
	14000.0000 - 14500.0000 MHz	194KG7W	45.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	222KG7W	46.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

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14000.0000 - 14500.0000 MHz	263KG7W	47.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	291KG7W	47.60 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	296KG7W	47.70 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	345KG7W	48.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	388KG7W	48.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	417KG7W	49.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	445KG7W	49.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	452KG7W	49.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	518KG7W	50.10 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	64K0G7W	41.00 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	776KG7W	51.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	97K0G7W	42.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	97K0G1W	42.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	776KG1W	51.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	64K0G1W	41.00 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	518KG1W	50.10 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	452KG1W	49.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	445KG1W	49.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	417KG1W	49.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

14000.0000 - 14500.0000 MHz	388KG1W	48.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	345KG1W	48.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	296KG1W	47.70 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	291KG1W	47.60 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	263KG1W	47.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	222KG1W	46.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	194KG1W	45.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	64K0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	64K0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	45M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	45M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	64K0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	64K0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	45M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	45M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: SAPA15KU  
LOCATION: 7676 PINE GROVE ROAD (14.2M.TIW), VENTURA, SANTA PAULA, CA  
34 ° 24 ' 6.96 " N LAT. 119 ° 4 ' 21.25 " W LONG.

ANTENNA ID: SAPA15KU 14.2 meters TIW 14.2 M

13799.0000 - 14500.0000 MHz	72M0F7W	81.60 dBW	Digital Traffic Using Phase and Amplitude Modulation
13779.0000 - 14500.0000 MHz	72M0F1W	81.60 dBW	Digital Traffic Using Phase and Amplitude Modulation

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13779.0000 - 14500.0000 MHz	72M0D7W	81.60 dBW	Digital Traffic Using Phase and Amplitude Modulation
13779.0000 - 14500.0000 MHz	72M0D1W	81.60 dBW	Digital Traffic Using Phase and Amplitude Modulation
13750.0000 - 14500.0000 MHz	32K0F7W	68.60 dBW	Digital Traffic Using Phase and Amplitude Modulation
13750.0000 - 14500.0000 MHz	32K0F1W	68.60 dBW	Digital Traffic Using Phase and Amplitude Modulation
13750.0000 - 14500.0000 MHz	32K0D7W	68.60 dBW	Digital Traffic Using Phase and Amplitude Modulation
13750.0000 - 14500.0000 MHz	32K0D1W	68.60 dBW	Digital Traffic Using Phase and Amplitude Modulation
13750.0000 - 13806.0000 MHz	56M0F7W	69.90 dBW	Digital Traffic Using Phase and Amplitude Modulation
13750.0000 - 13806.0000 MHz	56M0F7W	69.90 dBW	Digital Traffic Using Phase and Amplitude Modulation
13750.0000 - 13806.0000 MHz	56M0D7W	69.90 dBW	Digital Traffic Using Phase and Amplitude Modulation
13750.0000 - 13806.0000 MHz	56M0D1W	69.90 dBW	Digital Traffic Using Phase and Amplitude Modulation
13750.0000 - 13806.0000 MHz	56M0F7W	69.90 dBW	Digital Traffic Using Phase and Amplitude Modulation
13750.0000 - 13806.0000 MHz	56M0F1W	69.90 dBW	Digital Traffic Using Phase and Amplitude Modulation
13750.0000 - 13806.0000 MHz	56M0D7W	69.90 dBW	Digital Traffic Using Phase and Amplitude Modulation
13750.0000 - 13806.0000 MHz	56M0D1W	69.90 dBW	Digital Traffic Using Phase and Amplitude Modulation
11450.0000 - 12200.0000 MHz	72M0F7W		Digital Traffic Using Phase and Amplitude Modulation
11450.0000 - 12200.0000 MHz	72M0F1W		Digital Traffic Using Phase and Amplitude Modulation
11450.0000 - 12200.0000 MHz	72M0D7W		Digital Traffic Using Phase and Amplitude Modulation
11450.0000 - 12200.0000 MHz	72M0D1W		Digital Traffic Using Phase and Amplitude Modulation
11450.0000 - 12200.0000 MHz	32K0F7W		Digital Traffic Using Phase and Amplitude Modulation



11450.0000 - 12200.0000 MHz	32K0F1W	Digital Traffic Using Phase and Amplitude Modulation
11450.0000 - 12200.0000 MHz	32K0D7W	Digital Traffic Using Phase and Amplitude Modulation
11450.0000 - 12200.0000 MHz	32K0D1W	Digital Traffic Using Phase and Amplitude Modulation
10950.0000 - 11200.0000 MHz	72M0F7W	Digital Traffic Using Phase and Amplitude Modulation
10950.0000 - 11200.0000 MHz	72M0F1W	Digital Traffic Using Phase and Amplitude Modulation
10950.0000 - 11200.0000 MHz	72M0D7W	Digital Traffic Using Phase and Amplitude Modulation
10950.0000 - 11200.0000 MHz	72M0D1W	Digital Traffic Using Phase and Amplitude Modulation
10950.0000 - 11200.0000 MHz	32K0F7W	Digital Traffic Using Phase and Amplitude Modulation
10950.0000 - 11200.0000 MHz	32K0F1W	Digital Traffic Using Phase and Amplitude Modulation
10950.0000 - 11200.0000 MHz	32K0D7W	Digital Traffic Using Phase and Amplitude Modulation
10950.0000 - 11200.0000 MHz	32K0D1W	Digital Traffic Using Phase and Amplitude Modulation

SITE ID: STL4003A  
LOCATION: 1.0 M. STL4003A, (500 UNITS)

ANTENNA ID:	STL4003A	1 meters	SEATEL	4003A
14000.0000 - 14500.0000 MHz	44K8G1W	34.60 dBW	SCPC DIGITAL USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	538KG1W	45.50 dBW	SCPC DIGITAL USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	89K6G1W	37.70 dBW	SCPC DIGITAL USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	194KG7W	41.10 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	1M16G7W	48.10 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	1M36G7W	48.10 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	

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14000.0000 - 14500.0000 MHz	1M55G7W	48.10 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	219KG7W	42.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	388KG7W	44.10 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	485KG7W	45.10 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	582KG7W	45.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	64K0G7W	36.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	679KG7W	46.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	776KG7W	47.00 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	970KG7W	48.10 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	97K0G7W	38.10 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11700.0000 - 12200.0000 MHz	2M60G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11700.0000 - 12200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	89K6G1W		SCPC DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	717KG1W		SCPC DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W		SCPC DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	151KG7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 11700.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 11700.0000 MHz	2M60G7W		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	2M60G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	151KG7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	89K6G1W	SCPC DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	717KG1W	SCPC DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W	SCPC DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: STL6006  
LOCATION: 1.5 M. STL6006, (500 UNITS)

ANTENNA ID: STL6006      1.5 meters      SEATEL      6006

14000.0000 - 14500.0000 MHz	97K0G7W	44.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	89K6G1W	44.60 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	81K0G7W	44.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	717KG1W	53.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	452KG7W	51.60 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G1W	41.60 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	445KG7W	51.60 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	388KG7W	51.00 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	2M35G1W	53.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	291KG7W	49.70 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M43G1W	53.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	194KG7W	48.00 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

14000.0000 - 14500.0000 MHz	151KG7W	46.90 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	81K0G7W		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	2M35G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	1M43G1W		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	81K0G7W		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	2M35G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	1M43G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: STL4006  
LOCATION: 1.0 M. STL4006, (250 UNITS)

ANTENNA ID: STL4006      1 meters      SEATEL      4006

14000.0000 - 14500.0000 MHz	44K8G1W	34.70 dBW	SCPC DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	717KG1W	46.80 dBW	SCPC DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

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14000.0000 - 14500.0000 MHz	89K6G1W	37.80 dBW	SCPC DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	388KG7W	44.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	291KG7W	42.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M55G7W	48.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M36G7W	48.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M16G7W	48.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	194KG7W	41.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	97K0G7W	38.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	970KG7W	42.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	776KG7W	47.10 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	679KG7W	46.60 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	64K0G7W	36.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	582KG7W	45.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	485KG7W	45.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	89K6G1W		SCPC DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	717KG1W		SCPC DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W		SCPC 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	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	SCPC DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	717KG1W	SCPC DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W	SCPC 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	2M60G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	151KG7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: STL4009/10  
LOCATION: 1.0 M. STL4009/10, (500 UNITS)

ANTENNA ID:	STL4009/10	1 meters	SEA TEL	4009/4010
14000.0000 - 14500.0000 MHz	89K6G1W	37.80 dBW	SCPC DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	717KG1W	46.80 dBW	SCPC DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	44K8G1W	34.70 dBW	SCPC DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	97K0G7W	38.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	970KG7W	48.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	776KG7W	47.10 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	679KG7W	46.60 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	64K0G7W	36.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	582KG7W	45.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	485KG7W	45.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	

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14000.0000 - 14500.0000 MHz	388KG7W	44.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	291KG7W	42.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M55G7W	48.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M36G7W	48.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M16G7W	48.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	194KG7W	41.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	89K6G1W		SCPC DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	717KG1W		SCPC DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W		SCPC 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	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		SCPC DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	717KG1W		SCPC DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W		SCPC 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	2M60G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	151KG7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: STL5010  
LOCATION: 1.2 M. STL5010, (500 UNITS)

ANTENNA ID:	STL5010	1.2 meters	SEA TEL	5010
	14000.0000 - 14500.0000 MHz	97K0G7W	42.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	97K0G1W	42.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	776KG7W	51.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	776KG1W	51.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	64K0G7W	41.00 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	64K0G1W	41.00 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	518KG7W	50.10 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	518KG1W	50.10 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	452KG7W	49.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	452KG1W	49.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	445KG7W	49.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	445KG1W	49.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	417KG7W	49.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	417KG1W	49.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	388KG7W	48.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	388KG1W	48.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	345KG7W	48.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	345KG1W	48.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



14000.0000 - 14500.0000 MHz	296KG7W	47.70 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	296KG1W	47.00 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	291KG7W	47.60 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	291KG1W	47.60 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	263KG7W	47.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	263KG1W	47.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	222KG7W	46.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	222KG1W	46.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	194KG7W	45.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	194KG1W	45.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	64K0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	64K0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	45M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	45M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	64K0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	64K0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	45M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	45M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: STL6009  
LOCATION: 1.5 M. STL6009, (500 UNITS)

ANTENNA ID:	STI6009	1.5 meters	SEA TEL	6009
	14000.0000 - 14500.0000 MHz	97K0G7W	44.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	89K6G1W	44.60 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	81K0G7W	44.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	717KG1W	53.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	452KG7W	51.60 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	44K8G1W	41.60 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	445KG7W	51.60 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	388KG7W	51.00 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	2M35G1W	53.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	291KG7W	49.70 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	1M43G1W	53.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	194KG7W	48.00 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	151KG7W	46.90 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	81K0G7W		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	2M35G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

11450.0000 - 12200.0000 MHz	1M43G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	717KG1W	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	81K0G7W	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	2M35G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	1M43G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: INTLV110  
LOCATION: 1.05 M. INTLV110, (500 UNITS)

ANTENNA ID:	INTLV110	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	

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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

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10950.0000 - 11200.0000 MHz	151KG7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
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SITE ID: STL4996T  
LOCATION: 1.2 M. STL4996T, (50 UNITS)

ANTENNA ID: STL4996T	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	89K5G1W		SCPC USING QPSK AND BPSK MODULATION

SITE ID: INTLV80G  
LOCATION: 0.83 M. INTLV80G, (500 UNITS)

ANTENNA ID: INTLV80G	0.83 meters	INTELLIAN	V80G
14000.0000 - 14500.0000 MHz	97K0G7W	33.17 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	89K6G1W	32.87 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

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14000.0000 - 14500.0000 MHz	81K0G7W	32.47 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	717KG1W	41.87 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	452KG7W	39.87 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G1W	29.87 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	445KG7W	39.87 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	388KG7W	39.27 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	291KG7W	38.00 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	194KG7W	36.27 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	151KG7W	35.17 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	81K0G7W		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
10950.0000 - 11200.0000 MHz	89K6G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	81K0G7W		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

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SITE ID: STL30/3011  
LOCATION: 0.75 M. STL30/3011, (500 UNITS)

ANTENNA ID:	STL30/3011	0.75 meters	SEA TEL	usat-30/3011
14000.0000 - 14500.0000 MHz		768KG7W	40.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz		768KG1W	40.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz		512KG7W	38.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz		512KG1W	38.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz		4M10G7W	47.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz		4M10G1W	47.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz		3M58G7W	46.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz		3M58G1W	46.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz		3M07G7W	46.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz		3M07G1W	46.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz		2M56G7W	45.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz		2M56G1W	45.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz		2M05G7W	44.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz		2M05G1W	44.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz		256KG7W	35.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz		256KG1W	35.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz		1M79G7W	43.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

14000.0000 - 14500.0000 MHz	1M79G1W	43.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M54G7W	43.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M54G1W	43.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M28G7W	42.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M28G1W	42.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M02G7W	41.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M02G1W	41.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	128KG7W	32.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	128KG1W	32.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	45M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	45M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	1M00G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	1M00G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	45M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	45M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	1M00G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	1M00G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: T&TSAIL900  
LOCATION: 1.0 M. T&TSAIL900, (500 UNITS)

ANTENNA ID: T&TSAIL900 1 meters THRANE & THRANE TT-7090A



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14000.0000 - 14500.0000 MHz	97K0G7W	39.70 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	89K6G1W	39.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	81K0G7W	39.00 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	717KG1W	48.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	452KG7W	46.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G1W	36.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	445KG7W	46.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	388KG7W	45.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	2M35G1W	53.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	291KG7W	44.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M43G1W	51.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	194KG7W	42.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	151KG7W	41.70 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	81K0G7W		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	2M35G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

11450.0000 - 12200.0000 MHz	1M43G1W	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	81K0G7W	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	2M35G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	1M43G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: STL9797  
LOCATION: 2.4 M. STL9797, (500 UNITS)

ANTENNA ID: STL9797	2.4 meters	SEA TEL	9797
14000.0000 - 14500.0000 MHz	97K0G7W	48.25 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	89K6G1W	47.95 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	81K0G7W	47.55 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	717KG1W	56.95 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	452KG7W	54.95 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G1W	44.95 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	445KG7W	54.95 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	388KG7W	54.35 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	2M77G1W	62.85 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

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14000.0000 - 14500.0000 MHz	2M35G1W	62.15 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	291KG7W	53.05 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M43G1W	59.95 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	194KG7W	51.35 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	151KG7W	50.25 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	81K0G7W		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	2M77G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	2M35G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	1M43G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	81K0G7W		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	2M77G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

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10950.0000 - 11200.0000 MHz	2M35G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
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10950.0000 - 11200.0000 MHz	1M43G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
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SITE ID: INTLV60G  
LOCATION: 0.6 M. INTLV60G, (500 UNITS)

ANTENNA ID:	INTLV60G	0.6 meters	INTELLIAN	V60G
14000.0000 - 14500.0000 MHz	97K0G7W	29.60 dBW		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	89K6G1W	29.30 dBW		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	81K0G7W	28.90 dBW		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	717KG1W	38.30 dBW		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	452KG7W	36.30 dBW		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G1W	26.30 dBW		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	445KG7W	36.30 dBW		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	388KG7W	35.70 dBW		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	291KG7W	34.40 dBW		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	194KG7W	32.70 dBW		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	151KG7W	31.60 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	81K0G7W			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
10950.0000 - 11200.0000 MHz	89K6G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	81K0G7W	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

SITE ID: SAPA41KU  
LOCATION: 7676 PINE GROVE (7.3M GD7.3MKu), VENTURE, SANTA PAULA, CA  
34 ° 24 ' 9.59 " N LAT. 119 ° 4 ' 22.68 " W LONG.

ANTENNA ID:	SAPA41KU	7.3 meters	GENERAL DYNAMICS	GD7.3MKU
14000.0000 - 14500.0000 MHz	54M0F7W	54.80 dBW	Digital Traffic Using Phase and Amplitude Modulation	
14000.0000 - 14500.0000 MHz	54M0F1W	54.80 dBW	Digital Traffic Using Phase and Amplitude Modulation	
14000.0000 - 14500.0000 MHz	54M0D7W	54.80 dBW	Digital Traffic Using Phase and Amplitude Modulation	
14000.0000 - 14500.0000 MHz	54M0D1W	54.80 dBW	Digital Traffic Using Phase and Amplitude Modulation	
14000.0000 - 14500.0000 MHz	32K0F7W	45.20 dBW	Digital Traffic Using Phase and Amplitude Modulation	
14000.0000 - 14500.0000 MHz	32K0F1W	45.20 dBW	Digital Traffic Using Phase and Amplitude Modulation	
14000.0000 - 14500.0000 MHz	32K0D7W	45.20 dBW	Digital Traffic Using Phase and Amplitude Modulation	
14000.0000 - 14500.0000 MHz	32K0D1W	45.20 dBW	Digital Traffic Using Phase and Amplitude Modulation	
11450.0000 - 12200.0000 MHz	54M0F7W	0.00 dBW	Digital Traffic Using Phase and Amplitude Modulation	
11450.0000 - 12200.0000 MHz	54M0D7W		Digital Traffic Using Phase and Amplitude Modulation	
11450.0000 - 12200.0000 MHz	54M0D1W		Digital Traffic Using Phase and Amplitude Modulation	

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11450.0000 - 12200.0000 MHz	32K0F7W	Digital Traffic Using Phase and Amplitude Modulation
11450.0000 - 12200.0000 MHz	32K0F1W	Digital Traffic Using Phase and Amplitude Modulation
11450.0000 - 12200.0000 MHz	32K0D7W	Digital Traffic Using Phase and Amplitude Modulation
11450.0000 - 12200.0000 MHz	32K0D1W	Digital Traffic Using Phase and Amplitude Modulation
11450.0000 - 12200.0000 MHz	54M0F1W	Digital Traffic Using Phase and Amplitude Modulation
10950.0000 - 11200.0000 MHz	54M0F7W	Digital Traffic Using Phase and Amplitude Modulation
10950.0000 - 11200.0000 MHz	54M0F1W	Digital Traffic Using Phase and Amplitude Modulation
10950.0000 - 11200.0000 MHz	54M0D1W	Digital Traffic Using Phase and Amplitude Modulation
10950.0000 - 11200.0000 MHz	32K0F7W	Digital Traffic Using Phase and Amplitude Modulation
10950.0000 - 11200.0000 MHz	32K0F1W	Digital Traffic Using Phase and Amplitude Modulation
10950.0000 - 11200.0000 MHz	32K0D7W	Digital Traffic Using Phase and Amplitude Modulation
10950.0000 - 11200.0000 MHz	32K0D1W	Digital Traffic Using Phase and Amplitude Modulation
10950.0000 - 11200.0000 MHz	54M0D7W	Digital Traffic Using Phase and Amplitude Modulation

**Points of Communication:**

- INTLV110 - PERMITTED LIST - ()
- INTLV60G - PERMITTED LIST - ()
- INTLV80G - PERMITTED LIST - ()
- SAPA15KU - EUTELSAT133WA(S3031) - (132.85)
- SAPA15KU - EUTELSAT172B(S3021) - (172 E.L.)
- SAPA15KU - EUTELSAT174A(S2610) - (174 E. L.)
- SAPA15KU - PERMITTED LIST - ()
- SAPA15KU - SES-11 (S2964) - (104.95 W.L)

SAPA41KU - EUTELSAT133WA(S3031) - (132.85)  
 SAPA41KU - EUTELSAT172B(S3021) - (172 E.L.)  
 SAPA41KU - EUTELSAT174A(S2610) - (174 E. L.)  
 SAPA41KU - PERMITTED LIST - ()  
 SAPA41KU - SES-11 (S2964) - (104.95 W.L)  
 STL30/3011 - PERMITTED LIST - ()  
 STL4003A - EUTELSAT174A(S2610) - (174 E. L.)  
 STL4003A - PERMITTED LIST - ()  
 STL4006 - PERMITTED LIST - ()  
 STL4009/10 - PERMITTED LIST - ()  
 STL4996T - PERMITTED LIST - ()  
 STL5010 - PERMITTED LIST - ()  
 STL6006 - EUTELSAT174A(S2610) - (174 E. L.)  
 STL6006 - PERMITTED LIST - ()  
 STL6009 - PERMITTED LIST - ()  
 STL9797 - PERMITTED LIST - ()  
 STL15009 - PERMITTED LIST - ()  
 T&TSAIL900 - PERMITTED LIST - ()

**SES-MOD-20230201-00148** E KB34 Comsat, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Comsat, Inc., requests modification of its fixed earth station in Santa Paula, CA to change the regulatory status to Non-Common Carrier.

**SITE ID:** 1

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

34 ° 24 ' 5.00 " N LAT. 119 ° 4 ' 29.40 " W LONG.

<b>ANTENNA ID:</b>	12.8M	12.8 meters	PHILCO-FORD	42 FT.
	6423.5000 - 6424.3000 MHz		800KFXD 80.00 dBW	FSK
	6421.5000 - 6422.3000 MHz		800KFXD 80.00 dBW	FSK
	6341.5000 - 6342.3000 MHz		800KFXD 73.00 dBW	FSK

6339.5000 - 6340.3000 MHz	800KFXD	73.00 dBW	FSK
5925.0000 - 6425.0000 MHz	18M0F8F-	82.50 dBW	ANALOG VIDEO
5925.0000 - 6425.0000 MHz	36M0G7F	87.80 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	4M00G7F-	83.30 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	72M0G7W	87.80 dBW	DIGITAL VOICE, AND DATA
5925.0000 - 6425.0000 MHz	21K9G7W-	60.70 dBW	DIGITAL VOICE, AND DATA
3950.6000 - 3950.6000 MHz	800KFXD		FSK
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
3628.5000 - 3629.3000 MHz	800KFXD		FSK
3607.2500 - 3607.2500 MHz	NON		CW
1642.3500 - 1643.3500 MHz	N0N	33.00 dBW	CW; PILOT
1642.3500 - 1643.3500 MHz	10K0G1E	42.00 dBW	PSK; TEST CARRIERS
1638.3500 - 1639.8500 MHz	N0N	33.00 dBW	CW; PILOT
1638.3500 - 1639.8500 MHz	10K0G1E	42.00 dBW	PSK; TEST CARRIERS
1540.8500 - 1541.8500 MHz	5K00G1E		PSK; TEST CARRIERS
1536.8500 - 1538.3500 MHz	5K00G1E		PSK; TEST CARRIERS
ANTENNA ID: 12.8M2	12.8 meters	PHILCO-FORD	42 FT.
6440.0000 - 6443.0000 MHz	600HG1D	70.00 dBW	AERO
6440.0000 - 6443.0000 MHz	1K20G1D	70.00 dBW	AERO
6440.0000 - 6443.0000 MHz	2K40G1D	70.00 dBW	AERO
6440.0000 - 6443.0000 MHz	10K5G1E	70.00 dBW	AERO



6425.0000 - 6443.0000 MHz	NON	70.00 dBW	Communications System Monitoring (CSM)
6425.0000 - 6443.0000 MHz	600KFXN	70.00 dBW	CSM
6425.0000 - 6440.0000 MHz	NON	77.00 dBW	PILOT
6425.0000 - 6440.0000 MHz	30K0F3E	77.00 dBW	
6425.0000 - 6440.0000 MHz	600HG1D	77.00 dBW	
6425.0000 - 6440.0000 MHz	1K20G1D	77.00 dBW	
6421.5000 - 6423.5000 MHz	800KFXD	80.00 dBW	FSK; OMNI TT&C
6421.5000 - 6423.5000 MHz	800KFXD	80.00 dBW	FSK; OMNI TT&C
6420.0000 - 6424.0000 MHz	24K0F3E	67.00 dBW	
6420.0000 - 6424.0000 MHz	2K50G1D	68.00 dBW	
6420.0000 - 6424.0000 MHz	24K0G1D	65.00 dBW	
6420.0000 - 6424.0000 MHz	24K0F3E	77.00 dBW	AFRTS audio program channel services vis satellite at 176.5 degrees East
6417.0000 - 6443.0000 MHz	4K00G3E	77.00 dBW	
6417.0000 - 6443.0000 MHz	4K00G1D	77.00 dBW	
6417.0000 - 6443.0000 MHz	6K00G1D	77.00 dBW	
6417.0000 - 6443.0000 MHz	7K50G3E	77.00 dBW	
6417.0000 - 6443.0000 MHz	12K0G3E	77.00 dBW	
6417.0000 - 6443.0000 MHz	12K0G1D	77.00 dBW	
6416.0000 - 6418.0000 MHz	600KFXN	75.00 dBW	TT&C / MARECS
6416.0000 - 6418.0000 MHz	900KF2D	75.00 dBW	TT&C / MARECS
6339.5000 - 6341.5000 MHz	800KFXD	73.00 dBW	FSK; GLOBAL TT&C
6174.6000 - 6175.4000 MHz	800KFXD	85.00 dBW	
6170.0000 - 6180.0000 MHz	900KF2D	89.00 dBW	TT&C / INMARSAT II
5927.0000 - 5927.0000 MHz	800KFXD	85.00 dBW	
5925.0000 - 6425.0000 MHz	34M0FXN	85.00 dBW	

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4195.0000 - 4199.0000 MHz	24K0F3E	
4195.0000 - 4199.0000 MHz	2K50G1D	
4195.0000 - 4199.0000 MHz	24K0G1D	
4192.5000 - 4200.0000 MHz	3K00G1D	
4192.5000 - 4200.0000 MHz	4K00G1D	
4192.5000 - 4200.0000 MHz	4K00G3E	
4192.5000 - 4200.0000 MHz	7K50G3E	
4192.5000 - 4200.0000 MHz	12K0G1D	
4192.5000 - 4200.0000 MHz	12K0G3E	
4192.5000 - 4200.0000 MHz	NON	PILOT
4192.5000 - 4200.0000 MHz	600HG1D	
4192.5000 - 4200.0000 MHz	1K20G1D	
4192.5000 - 4200.0000 MHz	4K80G1D	
4188.0000 - 4189.0000 MHz	1K00G1D	TT&C / MARECS
3954.5000 - 3954.5000 MHz	1K00G1D	
3954.5000 - 3954.5000 MHz	14K5F2D	
3950.6000 - 3950.6000 MHz	800KFXD	FSK; TM1
3945.5000 - 3945.5000 MHz	1K00G1D	
3945.5000 - 3945.5000 MHz	1K00G1D	
3945.5000 - 3945.5000 MHz	14K5F2D	
3945.0000 - 3955.0000 MHz	1K00G1D	TT&C / INMARSAT II
3700.5000 - 3700.5000 MHz	1K00G1D	
3628.5000 - 3628.5000 MHz	800KFXD	FSK; AUS TM
3620.0000 - 3623.0000 MHz	600HG1D	AERO
3620.0000 - 3623.0000 MHz	1K20G1D	AERO
3620.0000 - 3623.0000 MHz	2K40G1D	AERO

3620.0000 - 3623.0000 MHz	10K5G1E		AERO
3607.2500 - 3607.2500 MHz	N0N		CW; TRACKING
3600.0000 - 3623.0000 MHz	NON		CSM
3600.0000 - 3623.0000 MHz	300KFXN		CSM
3600.0000 - 3623.0000 MHz	3K00G1D		
3600.0000 - 3623.0000 MHz	4K00G1D		
3600.0000 - 3623.0000 MHz	4K00G3E		
3600.0000 - 3623.0000 MHz	7K50G3E		
3600.0000 - 3623.0000 MHz	12K0G1D		
3600.0000 - 3623.0000 MHz	12K0G3E		
3600.0000 - 3620.0000 MHz	NON		PILOT
3600.0000 - 3620.0000 MHz	600HG1D		
3600.0000 - 3620.0000 MHz	4K80G1D		
3600.0000 - 3620.0000 MHz	30K0F3E		
1646.5000 - 1649.5000 MHz	600HG1D	15.00 dBW	AERO
1646.5000 - 1649.5000 MHz	1K20G1D	18.00 dBW	AERO
1646.5000 - 1649.5000 MHz	2K40G1D	21.00 dBW	AERO
1646.5000 - 1649.5000 MHz	10K5G1E	27.00 dBW	AERO
1626.5000 - 1649.5000 MHz	300KFXN	62.00 dBW	CSM
1626.5000 - 1649.5000 MHz	NON	62.00 dBW	PILOT
1626.5000 - 1646.5000 MHz	NON	37.00 dBW	PILOT
1626.5000 - 1646.5000 MHz	600HG1D	16.00 dBW	CSM
1626.5000 - 1646.5000 MHz	1K20G1D	16.00 dBW	CSM
1626.5000 - 1646.5000 MHz	4K80G1D	37.00 dBW	CSM
1626.5000 - 1646.5000 MHz	30K0F3E	37.00 dBW	CSM
1545.0000 - 1548.0000 MHz	600HG1D		AERO

1545.0000 - 1548.0000 MHz	1K20G1D		AERO
1545.0000 - 1548.0000 MHz	2K40G1D		AERO
1545.0000 - 1548.0000 MHz	10K5G1E		AERO
1530.0000 - 1548.0000 MHz	NON		CSM
1530.0000 - 1548.0000 MHz	600KFXN		CSM
1530.0000 - 1545.0000 MHz	NON		PILOT
1530.0000 - 1545.0000 MHz	600HG1D		CSM
1530.0000 - 1545.0000 MHz	1K20G1D		CSM
1530.0000 - 1545.0000 MHz	30K0F3E		CSM
ANTENNA ID: 10.4M.	10.4 meters	PHILCO-FORD	34 FT.
6420.0000 - 6424.0000 MHz	24K0F3E	67.00 dBW	
6420.0000 - 6424.0000 MHz	2K50G1D	68.00 dBW	
6420.0000 - 6424.0000 MHz	24K0G1D	65.00 dBW	
6174.6000 - 6175.4000 MHz	800KFXD	85.00 dBW	
5927.0000 - 5927.0000 MHz	800KFXD	85.00 dBW	
5925.0000 - 6425.0000 MHz	34M0FXN	85.00 dBW	
5925.0000 - 6425.0000 MHz	36M0F8F	80.00 dBW	ANALOG VIDEO
5925.0000 - 6425.0000 MHz	18M0F8F-	80.00 dBW	ANALOG VIDEO
5925.0000 - 6425.0000 MHz	36M0G7F	85.30 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	4M00G7F-	80.80 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	72M0G7W	85.30 dBW	DIGITAL VOICE, AND DATA
5925.0000 - 6425.0000 MHz	21K9G7W-	58.20 dBW	DIGITAL VOICE, AND DATA
4195.0000 - 4199.0000 MHz	24K0F3E		
4195.0000 - 4199.0000 MHz	2K50G1D		
4195.0000 - 4199.0000 MHz	24K0G1D		
3954.5000 - 3954.5000 MHz	1K00G1D		

3954.5000 - 3954.5000 MHz	14K5F2D			
3945.5000 - 3945.5000 MHz	1K00G1D			
3945.5000 - 3945.5000 MHz	1K00G1D			
3945.5000 - 3945.5000 MHz	14K5F2D			
3700.5000 - 3700.5000 MHz	1K00G1D			
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
ANTENNA ID: SAPA13	10.4 meters	PHILCO-FORD		34 FT.
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	40K0G1W	60.80 dBW		16 QAM DIGITAL TELEPHONY
6424.0000 - 6454.0000 MHz	400KG1F	59.50 dBW		QPSK, DIGITAL VIDEO DATA
6424.0000 - 6454.0000 MHz	NON	59.50 dBW		UNMDULATED 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	5K60G1D	52.30 dBW		QPSK, DATA/FAX
6424.0000 - 6454.0000 MHz	2K40G7D	48.60 dBW		QPSK, DATA/TDM
6424.0000 - 6454.0000 MHz	24K0G1W	58.60 dBW		QPSK, DATA/FAX
6424.0000 - 6454.0000 MHz	132KG7D	59.50 dBW		QPSK, 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
5925.0000 - 6425.0000 MHz	34M0F8W	82.50 dBW	TEST ANALOG CARRIER TO MONITOR TRANSPONDER PERFORMANCE
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 COMPOUNDED AND UNCOMPOUNDED
3600.0000 - 3629.0000 MHz	2M20G1D		BPSK SPREAD SPECTRUM DATA (NAVIGATION)
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	NON		UNMODULATED AFC PILOT
3600.0000 - 3629.0000 MHz	5K60G1E		BPSK, TELEPHONY
3600.0000 - 3629.0000 MHz	24K0G1E		BPSK, TELEPHONY
3600.0000 - 3629.0000 MHz	24K0G1W		BPSK, DATA/FAX
3600.0000 - 3629.0000 MHz	5K60G1W		BPSK, DATA/FAX
3600.0000 - 3629.0000 MHz	132KG7D		BPSK, DATA/TDM
3600.0000 - 3629.0000 MHz	2M20G1D		BPSK, DATA
3600.0000 - 3629.0000 MHz	2K40G1D		BPSK, DATA
3500.0000 - 3629.0000 MHz	24K0G7D		BPSK, DATA/TDM
ANTENNA ID: SAPA 13L	1.8 meters	PHILCO-FORD	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	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	400K0G1W	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	24K0G7D	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	24K0G1D	TEST BPSK, DATA

**Points of Communication:**

- 1 - CARABINER - (NGSO)
- 1 - INMARSAT 2F1 - (142 W.L.)
- 1 - INMARSAT 4F3 - (98.25 W.L.)
- 1 - ISAT List -
- 1 - PERMITTED LIST - ()

**SES-MOD-20230201-00149** E KA31 Comsat, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Comsat, Inc., requests modification of its fixed earth station in Santa Paula, CA to change the regulatory status to Non-Common Carrier.

SITE ID: 1

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

34 ° 24 ' 6.78 " N LAT.

119 ° 4 ' 25.40 " W LONG.

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

6454.4000 - 6456.6000 MHz 24K0F3E 77.00 dBW Analog Voice

6454.4000 - 6456.6000 MHz NON 77.00 dBW Pilot

6454.4000 - 6456.6000 MHz 1K20G1D 77.00 dBW STD-C

6454.4000 - 6456.6000 MHz	600HG1D	77.00 dBW	STD-C
6454.4000 - 6456.6000 MHz	NON	77.00 dBW	Test signal
6454.4000 - 6456.6000 MHz	600HG2D	70.00 dBW	AERO
6454.4000 - 6456.6000 MHz	1K20G2D	70.00 dBW	AERO
6454.4000 - 6456.6000 MHz	2K40G2D	70.00 dBW	AERO
6454.4000 - 6456.6000 MHz	10K5G2E	70.00 dBW	AERO
6454.4000 - 6456.6000 MHz	1K20G1D	77.00 dBW	STD- A telex
6443.0000 - 6454.0000 MHz	24K0F3E	77.00 dBW	Analog Voice
6443.0000 - 6454.0000 MHz	NON	77.00 dBW	pilot
6443.0000 - 6454.0000 MHz	1K20G1D	77.00 dBW	STD-C
6443.0000 - 6454.0000 MHz	600HG1D	77.00 dBW	STD-C
6443.0000 - 6454.0000 MHz	1K20G1D	77.00 dBW	STD-A telex
6443.0000 - 6454.0000 MHz	NON	77.00 dBW	Test signal
6443.0000 - 6454.0000 MHz	600HG2D	70.00 dBW	AERO
6443.0000 - 6454.0000 MHz	1K20G2D	70.00 dBW	AERO
6443.0000 - 6454.0000 MHz	2K40G2D	70.00 dBW	AERO
6443.0000 - 6454.0000 MHz	10K5G2E	70.00 dBW	AERO
6421.5000 - 6423.5000 MHz	800KFXD	80.00 dBW	FSK; OMNI TT&C
6421.5000 - 6423.5000 MHz	800KFXD	80.00 dBW	FSK; OMNI TT&C
6417.5000 - 6443.0000 MHz	24K0F3E	77.00 dBW	SCPC FM, VOICE
6417.5000 - 6443.0000 MHz	1K20G1D	77.00 dBW	TDM TELEX
6417.5000 - 6443.0000 MHz	NON	77.00 dBW	PILOT SIGNAL
6417.5000 - 6443.0000 MHz	600HG1D	77.00 dBW	STD-C DIGITAL SIGNALS
6417.5000 - 6443.0000 MHz	NON	77.00 dBW	TEST SIGNALS
6417.5000 - 6443.0000 MHz	1K20G1D	77.00 dBW	STD-C DIGITAL SIGNALS
6417.5000 - 6443.0000 MHz	600HG2D	70.00 dBW	AERONAUTICAL DIGITAL TRANSMIT CHANNELS



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6417.5000 - 6443.0000 MHz	1K20G2D	70.00 dBW	AERONAUTICAL DIGITAL TRANSMIT CHANNELS
6417.5000 - 6443.0000 MHz	2K40G2D	70.00 dBW	AERONAUTICAL DIGITAL TRANSMIT CHANNELS
6417.5000 - 6443.0000 MHz	10K5G2E	70.00 dBW	AERONAUTICAL DIGITAL TRANSMIT CHANNELS
6339.5000 - 6341.5000 MHz	800KFXD	73.00 dBW	FSK; GLOBAL TT&C
4192.5000 - 4200.0000 MHz	24K0F3E	0.00 dBW	
4192.5000 - 4200.0000 MHz	NON	0.00 dBW	
4192.5000 - 4200.0000 MHz	1K20G1D		
4192.5000 - 4200.0000 MHz	600HG1D		
4192.5000 - 4200.0000 MHz	1K20G1D		
4192.5000 - 4200.0000 MHz	NON		
4192.5000 - 4200.0000 MHz	600HG2D		
4192.5000 - 4200.0000 MHz	1K20G2D		
4192.5000 - 4200.0000 MHz	2K40G2D		
4192.5000 - 4200.0000 MHz	10K5G2E		
3950.6000 - 3950.6000 MHz	800KFXD		FSK; TMI
3628.5000 - 3628.5000 MHz	800KFXD		FSK; AUX TM
3607.2500 - 3607.2500 MHz	NON		CW; TRACKING
3600.0000 - 3629.0000 MHz	24K0F3E		
3600.0000 - 3629.0000 MHz	NON		
3600.0000 - 3629.0000 MHz	1K20G1D		
3600.0000 - 3629.0000 MHz	600HG1D		
3600.0000 - 3629.0000 MHz	1K20G1D		
3600.0000 - 3629.0000 MHz	NON		
3600.0000 - 3629.0000 MHz	600HG2D		
3600.0000 - 3629.0000 MHz	1K20G2D		

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3600.0000 - 3629.0000 MHz	2K40G2D		
3600.0000 - 3629.0000 MHz	10K5G2E		
1642.3500 - 1643.3500 MHz	N0N	33.00 dBW	CW; PILOT
1642.3500 - 1643.3500 MHz	10K0G1E	42.00 dBW	PSK; TEST CARRIERS
1638.3500 - 1639.8500 MHz	N0N	33.00 dBW	CW; PILOT
1638.3500 - 1639.8500 MHz	10K0G1E	42.00 dBW	PSK; TEST CARRIERS
1626.5000 - 1660.5000 MHz	24K0F3E	37.00 dBW	Analog voice
1626.5000 - 1660.5000 MHz	N0N	37.00 dBW	Pilot
1626.5000 - 1660.5000 MHz	1K20G1D	16.00 dBW	STD-C
1626.5000 - 1660.5000 MHz	600HG1D	16.00 dBW	STD-C
1626.5000 - 1660.5000 MHz	1K20G1D	16.00 dBW	STD-A Telex
1626.5000 - 1660.5000 MHz	N0N	37.00 dBW	Test signal
1626.5000 - 1660.5000 MHz	600HG2D	15.00 dBW	AERO
1626.5000 - 1660.5000 MHz	1K20G2D	18.00 dBW	AERO
1626.5000 - 1660.5000 MHz	2K40G2D	21.00 dBW	AERO
1626.5000 - 1660.5000 MHz	10K5G2E	27.00 dBW	AERO
1574.4000 - 1576.6000 MHz	24K0F3E		
1574.4000 - 1576.6000 MHz	N0N		
1574.4000 - 1576.6000 MHz	1K20G1D		
1574.4000 - 1576.6000 MHz	600HG1D		
1574.4000 - 1576.6000 MHz	1K20G1D		
1574.4000 - 1576.6000 MHz	N0N		
1574.4000 - 1576.6000 MHz	600HG2D		
1574.4000 - 1576.6000 MHz	1K20G2D		
1574.4000 - 1576.6000 MHz	2K40G2D		
1574.4000 - 1576.6000 MHz	10K5G2E		

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1540.8500 - 1541.8500 MHz	5K00G1E	PSK; TEST CARRIERS
1536.8500 - 1538.3500 MHz	5K00G1E	PSK; TEST CARRIERS
1525.0000 - 1559.0000 MHz	24K0F3E	
1525.0000 - 1559.0000 MHz	NON	
1525.0000 - 1559.0000 MHz	1K20G1D	
1525.0000 - 1559.0000 MHz	600HG1D	
1525.0000 - 1559.0000 MHz	1K20G1D	
1525.0000 - 1559.0000 MHz	NON	
1525.0000 - 1559.0000 MHz	600HG2D	
1525.0000 - 1559.0000 MHz	1K20G2D	
1525.0000 - 1559.0000 MHz	2K40G2D	
1525.0000 - 1559.0000 MHz	10K5G2E	

**Points of Communication:**

- 1 - CARABINER - (NGSO)
- 1 - INMARSAT 3F3 - (178 E.L.)
- 1 - INMARSAT 4F3 - (98 W.L.)
- 1 - ISAT List -
- 1 - PERMITTED LIST - ()

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**SES-STA-20230202-00140** E Intelsat License LLC  
Special Temporary Authority

**Class of Station:**

Intelsat License LLC requests special temporary authority for 180 days, to operate its fixed earth station in Haleiwa, HI to provide telemetry, tracking, and command (TT&C) services for the ASCENT CubeSat at the 2037.5 MHz (Earth-to-space), and 2233.0 MHz (space-to-Earth) center frequencies.

**Points of Communication:**

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