



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. SES-01431

Wednesday March 7, 2012

Satellite Communications Services Information

re: Actions Taken

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

SES-AMD-20110924-01128 E E060383 HNS License Sub, LLC
Amendment
Grant of Authority Date Effective: 03/06/2012

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: FILLMORE STATION 2
LOCATION: 33 EAST TELEGRAPH ROAD, VENTURA, FILLMORE, CA
34 ° 24 ' 16.70 " N LAT. 118 ° 53 ' 39.20 " W LONG.

ANTENNA ID:	2	9.2 meters	GDSATCOM TECHNOLOGIES	9.2 METER KA-BAND
	28351.0000 - 28353.0000 MHz	1M00F2D	69.70 dBW	FM CMD & RANGING
	20199.5000 - 20199.5000 MHz	NON		BEACON
	19700.5000 - 19702.5000 MHz	200KG7W		TELEMETRY AND RANGING
	19700.5000 - 19702.5000 MHz	300KG7W		TELEMETRY AND RANGING
	19700.5000 - 19702.5000 MHz	70K0G7W		TELEMETRY AND RANGING

SITE ID: Fillmore Station
LOCATION: 33 East Telegraph Road, Ventura, Fillmore, CA
34 ° 24 ' 18.00 " N LAT. 118 ° 53 ' 39.00 " W LONG.

ANTENNA ID:	1	9 meters	Vertex/General Dynamics	9M THX/Ka
	29500.0000 - 29535.0000 MHz	NON	56.30 dBW	Beacon
	29500.0000 - 29515.0000 MHz	600KF9D	56.30 dBW	Command and Ranging Carriers

29500.0000 - 29515.0000 MHz	944KF9D	56.30 dBW	Command and Ranging Carriers
29500.0000 - 29515.0000 MHz	1M30F9D	56.30 dBW	Command and Ranging Carriers
19700.0000 - 19706.0000 MHz	106KG7D	0.00 dBW	Telemetry and Ranging

Points of Communication:

- Fillmore Station - IA-8 - (89 W.L.)
- Fillmore Station - SPACEWAY 3 - (95 W.L.)
- FILLMORE STATION 2 - AMC-15 - (105 W.L.)
- FILLMORE STATION 2 - AMC-16 - (85 W.L.)
- FILLMORE STATION 2 - GALAXY 28 - (89.0 W.L.)

SES-LIC-20120114-00057 E E120018 City of Las Vegas
 Application for Authority 03/06/2012 - 03/06/2027
 Grant of Authority Date Effective: 03/06/2012

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 495 S. Main Street, Clark, Las Vegas, NV
 36 ° 10 ' 2.20 " N LAT. 115 ° 8 ' 54.20 " W LONG.

ANTENNA ID: 1	3.7 meters	DH Satellite	3.7M
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video and Audio	
ANTENNA ID: 2	3.7 meters	ASC Signal	3.7M
11700.0000 - 12200.0000 MHz	2M00G7W	Digital Video and Audio	
11700.0000 - 12200.0000 MHz	36M0G7W	Digital Video and Audio	
14000.0000 - 14500.0000 MHz	2M00G7W	65.90 dBW	Digital Video and Audio
14000.0000 - 14500.0000 MHz	36M0G7W	72.90 dBW	Digital Video, and Audio

Points of Communication:

- 1 - ALSAT - (ALSAT)

SES-LIC-20120124-00088 E E120020 Ohio/Oklahoma Hearst Television Inc.
 Application for Authority 03/06/2012 - 03/06/2027
 Grant of Authority Date Effective: 03/06/2012

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION:

ANTENNA ID:	1	1.35 meters	General Dynamics	C135M
	14000.0000 - 14500.0000 MHz	36M0D7W	61.85 dBW	QAM or APSK; Digital Video, Digital Audio, and Data
	14000.0000 - 14500.0000 MHz	3M50D7W	59.41 dBW	QAM or APSK; Digital Video, Digital Audio, and Data
	11700.0000 - 12200.0000 MHz	36M0D7W	0.00 dBW	QAM or APSK; Digital Video, Digital Audio, and Data
	11700.0000 - 12200.0000 MHz	3M50D7W	0.00 dBW	QAM or APSK; Digital Video, Digital Audio, and Data
	14000.0000 - 14500.0000 MHz	36M0G7W	61.85 dBW	PSK; Digital Video, Digital Audio, and Data
	14000.0000 - 14500.0000 MHz	3M50G7W	59.41 dBW	PSK; Digital Video, Digital Audio, and Data
	11700.0000 - 12200.0000 MHz	3M50G7W	0.00 dBW	PSK; Digital Video, Digital Audio, and Data
	11700.0000 - 12200.0000 MHz	36M0G7W	0.00 dBW	PSK; Digital Video, Digital Audio, and Data

Points of Communication:

1 - ALSAT - (ALSAT)

SES-LIC-20120124-00090 E E120021 GCI Communication Corp.
Application for Authority 03/06/2012 - 03/06/2027
Grant of Authority Date Effective: 03/06/2012

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: St. George, AK

56 ° 36 ' 3.20 " N LAT.

169 ° 32 ' 52.70 " W LONG.

ANTENNA ID:	1	3.8 meters	Patriot	TXINT-380AZ
	5925.0000 - 6425.0000 MHz	6K72G7W -	39.85 dBW	Phase Modulated voice, video, and data services
	5925.0000 - 6425.0000 MHz	36M0G7W	69.31 dBW	Phase Modulated voice, video, and data services

3700.0000 - 4200.0000 MHz	6K72G7W -		Phase Modulated voice, video, and data services
3700.0000 - 4200.0000 MHz	36M0G7W		Phase Modulated voice, video, and data services
5925.0000 - 6425.0000 MHz	6K72D7W -	39.85 dBW	Phase and amplitude modulated voice, video, and data services
5925.0000 - 6425.0000 MHz	36M0D7W	69.31 dBW	Phase and amplitude modulated voice, video, and data services
3700.0000 - 4200.0000 MHz	6K72D7W -		Phase and amplitude modulated voice, video, and data services
3700.0000 - 4200.0000 MHz	36M0D7W		Phase and amplitude modulated voice, video, and data services

Points of Communication:

1 - ALSAT - (ALSAT)

SES-LIC-20120127-00098 E E010074 Clear Channel Satellite Services
Application for Authority 03/06/2012 - 03/06/2027
Grant of Authority Date Effective: 03/06/2012

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 76 Inverness Drive East Suite B, Arapahoe, Englewood, CO
39 ° 34 ' 47.00 " N LAT. 104 ° 51 ' 35.00 " W LONG.

ANTENNA ID: 1 6.15 meters VIASAT 8060

3700.0000 - 4200.0000 MHz 22M5G7W 0.00 dBW QPSK

5925.0000 - 6425.0000 MHz 22M5G7W 68.50 dBW QPSK

Points of Communication:

1 - ALSAT - (ALSAT)

SES-MFS-20110912-01066 E E060383 HNS License Sub, LLC
Modification 03/06/2007 - 03/06/2022
Grant of Authority Date Effective: 03/06/2012

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: FILLMORE STATION 2
LOCATION: 33 EAST TELEGRAPH ROAD, VENTURA, FILLMORE, CA
34 ° 24 ' 16.70 " N LAT. 118 ° 53 ' 39.20 " W LONG.

ANTENNA ID:	2	9.2 meters	GDSATCOM TECHNOLOGIES	9.2 METER KA-BAND
	28351.0000 - 28353.0000 MHz	1M00F2D	69.70 dBW	FM CMD & RANGING
	20199.5000 - 20199.5000 MHz	NON		BEACON
	19700.5000 - 19702.5000 MHz	200KG7W		TELEMETRY AND RANGING
	19700.5000 - 19702.5000 MHz	300KG7W		TELEMETRY AND RANGING
	19700.5000 - 19702.5000 MHz	70K0G7W		TELEMETRY AND RANGING

SITE ID: Fillmore Station
LOCATION: 33 East Telegraph Road, Ventura, Fillmore, CA
34 ° 24 ' 18.00 " N LAT. 118 ° 53 ' 39.00 " W LONG.

ANTENNA ID:	1	9 meters	Vertex/General Dynamics	9M THX/Ka
	29500.0000 - 29535.0000 MHz	NON	56.30 dBW	Beacon
	29500.0000 - 29515.0000 MHz	600KF9D	56.30 dBW	Command and Ranging Carriers
	29500.0000 - 29515.0000 MHz	944KF9D	56.30 dBW	Command and Ranging Carriers
	29500.0000 - 29515.0000 MHz	1M30F9D	56.30 dBW	Command and Ranging Carriers
	19700.0000 - 19706.0000 MHz	106KG7D	0.00 dBW	Telemetry and Ranging

Points of Communication:

Fillmore Station - IA-8 - (89 W.L.)
Fillmore Station - SPACEWAY 3 - (95 W.L.)
FILLMORE STATION 2 - AMC-15 - (105 W.L.)
FILLMORE STATION 2 - AMC-16 - (85 W.L.)
FILLMORE STATION 2 - GALAXY 28 - (89.0 W.L.)
FILLMORE STATION 2 - SPACEWAY 4 - (107.1 W.L.)

SES-MFS-20111118-01379 E E000296 Intelsat License LLC
Modification 08/09/2010 - 08/09/2025
Grant of Authority Date Effective: 03/06/2012

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service, Fixed Satellite Service, International Fixed Satellite Service

SITE ID: 1
LOCATION: 17625 TECHNOLOGY BLVD (MTN-C92), WASHINGTON, HAGERSTOWN, MD
39 ° 35 ' 54.00 " N LAT. 77 ° 45 ' 35.00 " W LONG.

ANTENNA ID:	MTN-C92	9 meters	VERTEX COMM.	9 KPC
	5925.0000 - 6425.0000 MHz		72M0G7W 67.09 dBW	DIGITAL DATA, VOICE AND VIDEO SERVICES
	5925.0000 - 6425.0000 MHz		660KF2D 66.53 dBW	DIGITAL DATA, VOICE AND VIDEO SERVICES
	5925.0000 - 6425.0000 MHz		56K0G7W 62.30 dBW	DIGITAL DATA, VOICE AND VIDEO SERVICES
	5925.0000 - 6425.0000 MHz		1M08F2D 68.63 dBW	DIGITAL DATA, VOICE AND VIDEO SERVICES
	5925.0000 - 6425.0000 MHz		900KF9D 67.83 dBW	TT&C
	5925.0000 - 6425.0000 MHz		800KF9D 67.33 dBW	TT&C
	3700.0000 - 4200.0000 MHz		72M0G7W	DIGITAL DATA, VOICE AND VIDEO SERVICES
	3700.0000 - 4200.0000 MHz		56K0G7W	DIGITAL DATA, VOICE AND VIDEO SERVICES
	3700.0000 - 4200.0000 MHz		900KF9D	TT&C
	3700.0000 - 4200.0000 MHz		660KF2D	TT&C
	3700.0000 - 4200.0000 MHz		250KG9D	TT&C
	3700.0000 - 4200.0000 MHz		1M08F2D	TT&C
	3700.0000 - 4200.0000 MHz		800KF9D	TT&C
	3625.0000 - 4200.0000 MHz		72M0G7W	DIGITAL DATA, VOICE AND VIDEO SERVICES
	3625.0000 - 4200.0000 MHz		56K0G7W	DIGITAL DATA, VOICE AND VIDEO SERVICES
	3625.0000 - 4200.0000 MHz		800KF9D	TT&C

Points of Communication:

1 - ALSAT - (ALSAT)

SES-MOD-20120109-00024 E WB36 VIZADA, INC. 10/22/2011 - 10/22/2026
 Application for Modification Date Effective: 02/29/2012
 Grant of Authority

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

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

SITE ID: SOUTHURY 1
 LOCATION: 2120 RIVER ROAD (12.8M.)-1C-NORM, NEW HAVEN, SOUTHURY, CT
 41 ° 27 ' 5.30 " N LAT. 73 ° 17 ' 19.40 " W LONG.

ANTENNA ID:	21-C-NORM	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	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
	6424.0000 - 6454.0000 MHz	NON	62.00 dBW	UNMODULATED AFC PILOT (CLOSE LOOP)
	6424.0000 - 6454.0000 MHz	34K0F3E	62.00 dBW	FM TELEPHONY COMPANDED AND UNCOMPANDED
	6424.0000 - 6454.0000 MHz	2K40G7D-	51.10 dBW	BPSK, DATA/TDM
	6424.0000 - 6454.0000 MHz	132KG7D	62.00 dBW	BPSK, DATA/TDM
	6424.0000 - 6454.0000 MHz	2K40G1D-	51.10 dBW	BPSK, DATA
	6424.0000 - 6454.0000 MHz	2M20G1D	62.00 dBW	BPSK, DATA

6424.0000 - 6454.0000 MHz	5K60G1W	54.80 dBW	QPSK, DATA/FAX
6424.0000 - 6454.0000 MHz	24K0G1W	61.10 dBW	QPSK, DATA/FAX
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	40K0G1W	63.30 dBW	16QAM DIGITAL TELEPHONY
6424.0000 - 6454.0000 MHz	400KG1F	62.00 dBW	QPSK, DIGITAL VIDEO/DATA
6424.0000 - 6454.0000 MHz	27K0F3W	62.00 dBW	FM9 ANALOG BROADCAST CARRIER
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
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
3700.0000 - 4200.0000 MHz	36M0F8W		TEST ANALOG CARRIER TO MONITOR TRANSPONDER PERFORMANCE
3600.0000 - 3629.0000 MHz	NON		UNMODULATED AFC PILOT (CLOSE LOOP)
3600.0000 - 3629.0000 MHz	34K0F3E		FM TELEPHONY COMPANDED AND UNCOMPANDED
3600.0000 - 3629.0000 MHz	2K40G7D-		BPSK, DATA/TDM
3600.0000 - 3629.0000 MHz	132KG7D		BPSK, DATA/TDM
3600.0000 - 3629.0000 MHz	2K40G1D-		BPSK, DATA
3600.0000 - 3629.0000 MHz	2M20G1D		BPSK, DATA
3600.0000 - 3629.0000 MHz	5K60G1W-		QPSK, DATA/FAX
3600.0000 - 3629.0000 MHz	24K0G1W		QPSK, DATA/FAX
3600.0000 - 3629.0000 MHz	5K60G1E-		QPSK, TELEPHONY
3600.0000 - 3629.0000 MHz	24K0G1E		QPSK, TELEPHONY
3600.0000 - 3629.0000 MHz	40K0G1W		16QAM, DIGITAL TELEPHONY

3600.0000 - 3629.0000 MHz	400KG1F	QPSK, DIGITAL VIDEO/DATA
3600.0000 - 3629.0000 MHz	2M20G1D	BPSK SPREAD SPECTRUM DATA - NAVIGATION CLOSE LOOP
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

SITE ID: Ku-Band ESV Remotes

LOCATION: Operate Up to 500 (1.5M. remotes) U.S. AND INTERNATIONAL WATERS, SeaTel6006

ANTENNA ID: SeaTel6006 1.5 meters SEA TEL 6006

14000.0000 - 14500.0000 MHz	151KG7W	46.90 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	1M43G1W	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	2M35G1W	53.30 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	445KG7W	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	452KG7W	51.60 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	81K0G7W	44.20 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	97K0G7W	44.90 dBW	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	2M35G1W		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	54M0G7W		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	81K0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 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	1M43G1W		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	44K8G1W	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	717KG1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	89K6G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: SOUTHURY-2
LOCATION: 2120 RIVER ROAD (12.8M.)-2 C-TT&C, NEW HAVEN, SOUTHURY, CT
41 ° 27 ' 5.00 " N LAT. 73 ° 17 ' 19.00 " W LONG.

ANTENNA ID: 21-C-TT&C 12.8 meters PHILCO FORD 12.8M

5925.0000 - 6425.0000 MHz	36M0F8W	86.50 dBW	ANALOG CARRIER TO MONITOR TRANSPONDER PERFORMANCE
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SITE ID: C-band ESV Remotes
LOCATION: Operate up to 300 (2.4m Remotes) U.S. AND INTERNATIONAL WATERS, SeaTel9707

ANTENNA ID: SeaTel9707 2.4 meters SEA TEL 9707

5925.0000 - 6425.0000 MHz	179KG1W	51.21 dBW	SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	134KG1W	49.96 dBW	SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	1M43G1W	57.80 dBW	SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	358KG1W	54.22 dBW	SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	717KG1W	57.23 dBW	SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	89K6G1W	48.20 dBW	SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	44K8G1W	45.19 dBW	SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	179KG1W		SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION

3700.0000 - 4200.0000 MHz	134KG1W			SCPC CARRIERS USING 16QAM, 8QAM, 8QAM; PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	1M43G1W			SCPC CARRIERS USING 16QAM, 8QAM, 8QAM; PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	358KG1W			SCPC CARRIERS USING 16QAM, 8QAM, 8QAM; PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	44K8G1W			SCPC CARRIERS USING 16QAM, 8QAM, 8QAM; PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	717KG1W			SCPC CARRIERS USING 16QAM, 8QAM, 8QAM; PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	89K6G1W			SCPC CARRIERS USING 16QAM, 8QAM, 8QAM; PSK, QPSK OR BPSK MODULATION
ANTENNA ID: SeaTel9797	2.4 meters	SEATEL	9797	
5925.0000 - 6425.0000 MHz	179KG1W	51.21 dBW		SCPC CARRIERS USING 16QAM, 8QAM, 8QAM; PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	134KG1W	49.96 dBW		SCPC CARRIERS USING 16QAM, 8QAM, 8QAM; PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	1M43G1W	58.80 dBW		SCPC CARRIERS USING 16QAM, 8QAM, 8QAM; PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	358KG1W	54.22 dBW		SCPC CARRIERS USING 16QAM, 8QAM, 8QAM; PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	44K8G1W	45.19 dBW		SCPC CARRIERS USING 16QAM, 8QAM, 8QAM; PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	717KG1W	57.23 dBW		SCPC CARRIERS USING 16QAM, 8QAM, 8QAM; PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	89K6G1W	48.20 dBW		SCPC CARRIERS USING 16QAM, 8QAM, 8QAM; PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	179KG1W			SCPC CARRIERS USING 16QAM, 8QAM, 8QAM; PSK, QPSK OR BPSK MODULATION

3700.0000 - 4200.0000 MHz	134KG1W	SCPC CARRIERS USING 16QAM, 8QAM, 8QAM; PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	1M43G1W	SCPC CARRIERS USING 16QAM, 8QAM, 8QAM; PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	358KG1W	SCPC CARRIERS USING 16QAM, 8QAM, 8QAM; PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	44K8G1W	SCPC CARRIERS USING 16QAM, 8QAM, 8QAM; PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	717KG1W	SCPC CARRIERS USING 16QAM, 8QAM, 8QAM; PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	89K6G1W	SCPC CARRIERS USING 16QAM, 8QAM, 8QAM; PSK, QPSK OR BPSK MODULATION

SITE ID: REMOTES ESVKU
LOCATION: OPERATE UP TO 500 REMOTES VSAT 1.0M.-SeaTel4006, CONUS

ANTENNA ID:	SeaTel4003	1 meters	SEA TEL	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	316KG7W	42.80 dBW	DVB/MFTMA USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	607KG7W	45.70 dBW	DVB/MFTMA USING QPSK AND BPSK MODULATION	

14000.0000 - 14500.0000 MHz	1M40G7W	45.80 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/MFTMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W		DVB/MFTMA 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/MFTMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W		DVB/MFTMA USING QPSK AND BPSK MODULATION
ANTENNA ID: SeaTel4006	1 meters	SEA TEL	4006
14000.0000 - 14500.0000 MHz	44K8G1W	34.40 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	717KG1W	46.40 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	89K6G1W	37.40 dBW	SCPC USING QPSK AND BPSK MODULATION

14000.0000 - 14500.0000 MHz	227KG7W	41.50 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	340KG7W	43.20 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	378KG7W	43.60 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	454KG7W	44.50 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	908KG7W	47.40 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M40G7W	47.40 dBW	DVB/MFTDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	316KG7W	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	44K8G1W		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	717KG1W		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	89K6G1W		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	151KG7W		TDM/TDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W		TDM/TDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	2M60G7W		DVB/MFTDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W		DVB/MFTDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	717KG1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	89K6G1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	151KG7W		TDM/TDMA USING QPSK AND BPSK MODULATION

10950.0000 - 11200.0000 MHz	54M0G7W			TDM/TDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	2M60G7W			DVB/MFTDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W			DVB/MFTDMA USING QPSK AND BPSK MODULATION
ANTENNA ID: 4996TKU	1.2 meters	SEA TEL		4996T
14000.0000 - 14500.0000 MHz	1M43G1W	51.10 dBW		SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G1W	36.10 dBW		SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	717KG1W	48.10 dBW		SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	89K6G1W	39.10 dBW		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	1M43G1W			SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W			SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	717KG1W			SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	89K6G1W			SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	1M43G1W			SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W			SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	717KG1W			SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	89K6G1W			SCPC USING QPSK AND BPSK MODULATION
SITE ID: KU-BAN ESV REMOTES				
LOCATION: 500 (1.2 METER ANTENNAS) U.S. AND INTERNATIONAL WATERS, SeaTel5010				
ANTENNA ID: SeaTel5009	1.2 meters	SEA TEL		5009
14000.0000 - 14500.0000 MHz	194KG7W	45.90 dBW		SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	222KG7W	46.40 dBW		SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION

14000.0000 - 14500.0000 MHz	263KG7W	47.10 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	291KG7W	47.60 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	296KG7W	47.70 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	345KG7W	48.30 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	388KG7W	48.90 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	417KG7W	49.10 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	445KG7W	49.40 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	452KG7W	49.50 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	518KG7W	50.20 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	64K0G7W	41.10 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	776KG7W	51.30 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	97K0G7W	42.90 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
11700.0000 - 12200.0000 MHz	54M0G7W		SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
11700.0000 - 12200.0000 MHz	64K0G7W		SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
11450.0000 - 11700.0000 MHz	54M0G7W		SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
11450.0000 - 11700.0000 MHz	64K0G7W		SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W		SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	64K0G7W		SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION

ANTENNA ID: ST4009/10 1 meters SEA TEL 4009/4010

ANTENNA ID: SeaTel5010 1.2 meters SEA TEL 5010

ANTENNA ID: SeaTel6009 1.5 meters SEA TEL 6009

ANTENNA ID: INTL V110 1.05 meters INTELLIAN V110

SITE ID: SBY33 KU

LOCATION: 2120 River Road (9.M.)-SBY33-2, New Haven, Southbury, CT
41 ° 27 ' 5.10 " N LAT. 73 ° 17 ' 19.00 " W LONG.

ANTENNA ID: SBY33-2KU 9 meters VERTEX 9 KPK

14000.0000 - 14500.0000 MHz 72M0G7W 88.70 dBW DIGITAL VIDEO, AUDIO AND DATA

14000.0000 - 14500.0000 MHz 9K00G7W 49.60 dBW DIGITAL VIDEO, AUDIO AND DATA

14000.0000 - 14500.0000 MHz 1M60G1F 72.10 dBW PSK DIGITAL VIDEO AND ASSOCIATED DIGITAL AUDIO

14000.0000 - 14500.0000 MHz 200KG1F 63.10 dBW PSK DIGITAL VIDEO AND ASSOCIATED DIGITAL AUDIO

14000.0000 - 14500.0000 MHz 36M0F8W 80.10 dBW ANALOG VIDEO

11700.0000 - 12200.0000 MHz 9K00G7W DIGITAL VIDEO, AUDIO AND DATA

11700.0000 - 12200.0000 MHz 1M60G1F PSK DIGITAL VIDEO AND ASSOCIATED DIGITAL AUDIO

11700.0000 - 12200.0000 MHz 200KG1F PSK DIGITAL VIDEO AND ASSOCIATED DIGITAL AUDIO

11700.0000 - 12200.0000 MHz 72M0G7W DIGITAL VIDEO, AUDIO AND DATA

11700.0000 - 12200.0000 MHz 36M0F8W ANALOG VIDEO

SITE ID: Ku-band ESV Remotes

LOCATION: OPERATE UP TO 500 REMOTES VSAT 1.0M.-SeaTel4003, CONUS

SITE ID: Ku-band ESV Remotes

LOCATION: OPERATE UP TO 500 REMOTES VSAT 1.2M.-SeaTel5009, CONUS

SITE ID: Ku-band ESV Remotes

LOCATION: OPERATE UP TO 500 REMOTES VSAT 1.5M.-SeaTel6006, CONUS

SITE ID: SOUTHBURY 3

LOCATION: 2120 RIVER ROAD (12.8M.)-3 L-BAND, NEW HAVEN, SOUTHBURY, CT
41 ° 27 ' 5.10 " N LAT. 73 ° 17 ' 19.00 " W LONG.

ANTENNA ID: 21- L-BAND 12.8 meters PHILCO FORD 12.8M

1626.5000 - 1660.5000 MHz NON 40.50 dBW UNMODULATED AFC PILOT (CLOSE LOOP)

1626.5000 - 1660.5000 MHz 34K0F3E 36.00 dBW TEST FM, TELEPHONY COMPANDED OR UNCOMPANDED

1626.5000 - 1660.5000 MHz	2K40G7D-	36.00 dBW	TEST BPSK, DATA/TDM
1626.5000 - 1660.5000 MHz	132KG7D	36.00 dBW	TEST BPSK, DATA/TDM
1626.5000 - 1660.5000 MHz	2K40G1D-	36.00 dBW	TEST BPSK, DATA
1626.5000 - 1660.5000 MHz	2M20G1D	36.00 dBW	TEST BPSK, DATA
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	5K60G1E-	36.00 dBW	TEST QPSK, TELEPHONY
1626.5000 - 1660.5000 MHz	24K0G1E	36.00 dBW	TEST QPSK, TELEPHONY
1626.5000 - 1660.5000 MHz	40K0G1W	48.20 dBW	TEST 16QAM DIGITAL TELEPHONY
1626.5000 - 1660.5000 MHz	400KG1F	36.00 dBW	TEST QPSK DIGITAL VIDEO/DATA
1574.4000 - 1576.6000 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	34K0F3E		TEST FM, TELEPHONY COMPANDED OR UNCOMPANDED
1525.0000 - 1559.0000 MHz	2K40G7D-		TEST BPSK, DATA/TDM
1525.0000 - 1559.0000 MHz	132KG7D		TEST BPSK, DATA/TDM
1525.0000 - 1559.0000 MHz	2K40G1D-		TEST BPSK, DATA
1525.0000 - 1559.0000 MHz	2M20G1D		TEST BPSK, DATA
1525.0000 - 1559.0000 MHz	5K60G1W-		TEST QPSK, DATA/FAX
1525.0000 - 1559.0000 MHz	2K40G1W		TEST QPSK, DATA/FAX
1525.0000 - 1559.0000 MHz	5K60G1E-		TEST QPSK, TELEPHONY
1525.0000 - 1559.0000 MHz	24K0G1E		TEST QPSK, TELEPHONY
1525.0000 - 1559.0000 MHz	40K0G1W		TEST 16QAM DIGITAL TELEPHONY
1525.0000 - 1559.0000 MHz	400KG1F		TEST QPSK DIGITAL VIDEO/DATA
1525.0000 - 1559.0000 MHz	2M20G1D		TEST BPSK SPREAD SPECTRUM DATA - CLOSE LOOP

ANTENNA ID: 23A-C-NOR 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	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
6424.0000 - 6454.0000 MHz	NON	59.50 dBW	UNMODULATED AFC PILOT
6424.0000 - 6454.0000 MHz	34K0F3E	59.50 dBW	FM TELEPHONY COMPANDED AND UNCOMPANDED
6424.0000 - 6454.0000 MHz	2K40G7D-	48.60 dBW	BPSK, DATA/TDM
6424.0000 - 6454.0000 MHz	132KG7D	59.50 dBW	BPSK, DATA/TDM
6424.0000 - 6454.0000 MHz	2K40G1D-	48.60 dBW	BPSK, DATA
6424.0000 - 6454.0000 MHz	2M20G1D	71.70 dBW	BPSK, DATA
6424.0000 - 6454.0000 MHz	5K60G1W-	52.30 dBW	QPSK, DATA/FAX
6424.0000 - 6454.0000 MHz	24K0G1W	58.60 dBW	QPSK, DATA/FAX
6424.0000 - 6454.0000 MHz	5K60G1E-	52.30 dBW	QPSK, TELEPHONY

6424.0000 - 6454.0000 MHz	24K0G1E	58.60 dBW	QPSK, TELEPHONY
6424.0000 - 6454.0000 MHz	40K0G1W	60.80 dBW	16QAM DIGITAL TELEPHONY
6424.0000 - 6454.0000 MHz	400KG1F	59.50 dBW	QPSK, DIGITAL VIDEO/DATA
6424.0000 - 6454.0000 MHz	27K0F3W	59.50 dBW	FM9 ANALOG BROADCAST CARRIER
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	NON		UNMODULATED AFC PILOT
3600.0000 - 3629.0000 MHz	34K0F3E		FM TELEPHONY COMPANDED ANAD UNCOMPANDED
3600.0000 - 3629.0000 MHz	2K40G7D-		BPSK, DATA/TDM
3600.0000 - 3629.0000 MHz	132KG7D		BPSK, DATA/TDM
3600.0000 - 3629.0000 MHz	2K40G1D-		BPSK, DATA
3600.0000 - 3629.0000 MHz	2M20G1D		BPSK, DATA
3600.0000 - 3629.0000 MHz	5K60G1W-		QPSK, DATA/FAX
3600.0000 - 3629.0000 MHz	24K0G1W		QPSK, DATA/FAX
3600.0000 - 3629.0000 MHz	5K60G1E-		QPSK, TELEPHONY
3600.0000 - 3629.0000 MHz	24K0G1E		QPSK, TELEPHONY
3600.0000 - 3629.0000 MHz	40K0G1W		16QAM DIGITAL TELEPHONY
3600.0000 - 3629.0000 MHz	400KG1F		QPSK, DIGITAL VIDEO/DATA
3600.0000 - 3629.0000 MHz	2M20G1D		BPSK SPREAD SPECTRUM DATA (NAVIGATION)
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 - 3629.0000 MHz	100KG1X	DIGITAL DATA

SITE ID: SOUTHBURY 4
LOCATION: 2120 RIVER ROAD (10.4M.)-23A-C-NOR, NEW HAVEN, SOUTHBURY, CT
41 ° 27 ' 5.10 " N LAT. 73 ° 17 ' 19.00 " W LONG.

ANTENNA ID: 23A-C-TT&C 10.4 meters PHILCO FORD 104.M

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

SITE ID: SOUTHBURY 5
LOCATION: 2120 RIVER ROAD (10.4M.)-23A-C-TT&C, NEW HAVEN, SOUTHBURY, CT
41 ° 27 ' 5.10 " N LAT. 73 ° 17 ' 19.00 " W LONG.

SITE ID: SOUTHBURY 6
LOCATION: 2120 RIVER ROAD (1.8M.)-23B-L-BAND, NEW HAVEN, SOUTHBURY, CT
41 ° 27 ' 5.10 " N LAT. 73 ° 17 ' 19.00 " W LONG.

ANTENNA ID: 23B-L-BAND 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 NON UNMODULATED AFC PILOT

1525.0000 - 1559.0000 MHz 34K0F3E TEST FM TELEPHONY COMPANDED AND UNCOMPANDED

1525.0000 - 1559.0000 MHz	2K40G7D-	TEST BPSK, DATA/TDM
1525.0000 - 1559.0000 MHz	132KG7D	TEST BPSK, DATA/TDM
1525.0000 - 1559.0000 MHz	2K40G1D-	TEST BPSK, DATA
1525.0000 - 1559.0000 MHz	2M20G1D	TEST BPSK, DATA
1525.0000 - 1559.0000 MHz	5K60G1W-	TEST QPSK, DATA/FAX
1525.0000 - 1559.0000 MHz	24K0G1W	TEST QPSK, DATA/FAX
1525.0000 - 1559.0000 MHz	5K60G1E-	TEST QPSK, TELEPHONY
1525.0000 - 1559.0000 MHz	24K0G1E	TEST QPSK, TELEPHONY
1525.0000 - 1559.0000 MHz	40K0G1W	TEST 16QAM DIGITAL TELEPHONY
1525.0000 - 1559.0000 MHz	400KG1F	TEST QPSK, DIGITAL VIDEO/DATA
1525.0000 - 1559.0000 MHz	2M20G1D	TEST BPSK SPREAD SPECTRUM DATA - CLOSE LOOP

SITE ID: SOUTHBURY 7
LOCATION: 2120 RIVER ROAD (9.M.) -SBY30-1, NEW HAVEN, SOUTHBURY, CT
41 ° 27 ' 5.00 " N LAT. 73 ° 17 ' 19.00 " W LONG.

ANTENNA ID:	SBY 30-1KU	9 meters	VERTEX	9KPK
14000.0000 - 14500.0000 MHz	36M0G7W	72.00 dBW	QPSK, DIGITAL TELEPHONY	
14000.0000 - 14500.0000 MHz	72M0G7W	88.55 dBW	QPSK DIGITAL DATA	
14000.0000 - 14500.0000 MHz	42M0G7W	86.31 dBW	QPSK DIGITAL DATA	
14000.0000 - 14500.0000 MHz	36M0F8W	80.14 dBW	ANALOG VIDEO	
14000.0000 - 14500.0000 MHz	36M0G7W	77.23 dBW	QPSK DIGITAL DATA	
14000.0000 - 14500.0000 MHz	20M0G7W	83.08 dBW	QPSK DIGITAL DATA	
14000.0000 - 14500.0000 MHz	2M29G7W	73.67 dBW	QPSK DIGITAL DATA	
14000.0000 - 14500.0000 MHz	1M60G1F	72.12 dBW	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO	
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	100KG7W	60.07 dBW	QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	76K8G7W	58.93 dBW	QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	43K8G7W	56.49 dBW	QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	45K0G7W	56.61 dBW	QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	32K0G7W	55.13 dBW	QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	9K00G7W	49.62 dBW	QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	45M0G7W	86.60 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	64K0G7W	58.10 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	1M86G7W	68.80 dBW	DIGITAL VIDEO, AUDIO, AND DATA
13780.0000 - 14500.0000 MHz	10M0G7W	80.10 dBW	DIGITAL VIDEO, AUDIO AND DATA
13780.0000 - 14500.0000 MHz	64K0G7W	58.10 dBW	DIGITAL VIDEO, AUDIO AND DATA
13778.0000 - 14000.0000 MHz	1M86G7W	68.80 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	600KG7W	67.90 dBW	DIGITAL VIDEO, AUDIO, AND DATA
13750.0000 - 14000.0000 MHz	36M0G7W	74.50 dBW	QPSK, DIGITAL TELEPHONY
13750.0000 - 13772.0000 MHz	1M86G7W	68.80 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	600KG7W	67.90 dBW	DIGITAL VIDEO, AUDIO, AND DATA
13750.0000 - 13770.0000 MHz	10M0G7W	80.10 dBW	DIGITAL VIDEO, AUDIO AND DATA
13750.0000 - 13770.0000 MHz	64K0G7W	58.10 dBW	DIGITAL VIDEO, AUDIO AND DATA
11700.0000 - 12200.0000 MHz	10M0G7W		DIGITAL VIDEO, AUDIO AND DATA
11700.0000 - 12200.0000 MHz	64K0G7W		DIGITAL VIDEO, AUDIO AND DATA
11450.0000 - 11700.0000 MHz	36M0G7W		QPSK, DIGITAL TELEPHONY
11450.0000 - 11700.0000 MHz	72M0G7W		QPSK DIGITAL DATA

11450.0000 - 11700.0000 MHz	42M0G7W	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	36M0F8W	ANALOG VIDEO
11450.0000 - 11700.0000 MHz	36M0G7W	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	20M0G7W	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	2M29G7W	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	1M60G1F	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
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
11450.0000 - 11700.0000 MHz	200KG1F	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
11450.0000 - 11700.0000 MHz	100KG7W	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	76K8G7W	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	43K8G7W	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	45K0G7W	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	32K0G7W	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	9K00G7W	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	10M0G7W	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	64K0G7W	DIGITAL VIDEO, AUDIO, AND DATA
11450.0000 - 11700.0000 MHz	7M50G7W	DIGITAL VIDEO, AUDIO, AND DATA
10950.0000 - 11200.0000 MHz	417KG7W	DIGITAL VIDEO, AUDIO, AND DATA
10950.0000 - 11200.0000 MHz	64K0G7W	DIGITAL VIDEO, AUDIO, AND DATA
10950.0000 - 11200.0000 MHz	7M50G7W	DIGITAL VIDEO, AUDIO, AND DATA
10700.0000 - 12750.0000 MHz	36M0G7W	QPSK, DIGITAL TELEPHONY

SITE ID: KU/ESV1
LOCATION: 2.4M SEATL9797, NEW HAVEN, SOUTHURY, CT

ANTENNA ID:	9797SEATL	2.4 meters	SEA TEL	9797
14000.0000 - 14500.0000 MHz	151KG7W	50.25 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	1M43G1W	59.95 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	2M35G1W	62.15 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	2M77G1W	62.85 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	445KG7W	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	452KG7W	54.95 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	81K0G7W	47.55 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	97K0G7W	48.25 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION	
10950.0000 - 11200.0000 MHz	1M43G1W		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	2M77G1W		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	54M0G7W	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	89K6G1W	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	2M35G1W	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	44K8G1W	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	717KG1W	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	89K6G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	81K0G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: KU/ESV2

LOCATION: 0.6M INTL V60G, NEW HAVEN, SOUTHBURY, CT

ANTENNA ID:	INTLV60G	0.6 meters	INTELLIAN	V60G
14000.0000 - 14500.0000 MHz	151KG7W	31.60 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	291KG7W	34.40 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	445KG7W	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	452KG7W	36.30 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	81K0G7W	28.90 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	97K0G7W	29.60 dBW	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	54M0G7W		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	81K0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	89K6G1W		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	54M0G7W		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	81K0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	89K6G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: KU/ESV3

LOCATION: 0.83 INTL V80G, NEW HAVEN, SOUTHURRY, CT

ANTENNA ID: INTLV80G 0.83 meters INTELLIAN V80G

14000.0000 - 14500.0000 MHz	151KG7W	35.17 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	291KG7W	38.00 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	445KG7W	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	452KG7W	39.87 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	81K0G7W	32.47 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	89K6G1W	32.87 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	97K0G7W	33.17 dBW	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	54M0G7W		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	81K0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	89K6G1W		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	54M0G7W		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 81K0G7W

DIGITAL TRAFFIC USING QPSK
AND BPSK MODULATION

11450.0000 - 12200.0000 MHz 89K6G1W

DIGITAL TRAFFIC USING QPSK
AND BPSK MODULATION

Points of Communication:

C-band ESV Remotes - NSS-7 - (338.5 E.L.)

KU/ESV1 - PERMITTED LIST - ()

KU/ESV2 - PERMITTED LIST - ()

KU/ESV3 - PERMITTED LIST - ()

KU-BAN ESV REMOTES - ALSAT - (ALSAT)

KU-BAN ESV REMOTES - ALSAT - (ALSAT)

KU-BAN ESV REMOTES - ALSAT - (ALSAT)

KU-BAN ESV REMOTES - ALSAT - (ALSAT)

Ku-Band ESV Remotes - ALSAT - (ALSAT)

Ku-Band ESV Remotes - ESTRELA DO SUL 1 - (63 W.L.)

SBY33 KU - ALSAT - (ALSAT)

SOUTHBURY 1 - ALSAT - (ALSAT)

SOUTHBURY 1 - TELSTAR 11N - (37.55 W.L.)

SOUTHBURY 3 - INMARSAT 3F4 - (54 W.L.)

SOUTHBURY 3 - INMARSAT-2 AOR-WEST - (98 W.L.)

SOUTHBURY 4 - AMAZONAS 1 - (61 W.L.)

SOUTHBURY 4 - AMOS-2 - (4.0 W.L.)

SOUTHBURY 5 - ESTRELA DO SUL 1 - (63 W.L.)

SOUTHBURY 5 - INMARSAT 4F2 - (52.75)

SOUTHBURY 6 - INMARSAT 4F3 - (97.65 W.L.)

SOUTHBURY 6 - ISAT List -

SOUTHBURY 7 - INMARSAT 4F3 - (98 W.L.)

SOUTHBURY-2 - INMARSAT Ltd-3 - (15.5 W.L.)

SOUTHBURY-2 - MARISAT-F2 - (33.9 W.L.)

SES-MOD-20120110-00039 E E080185 Sirius XM Radio Inc.
 Application for Modification
 Grant of Authority

10/09/2008 - 10/09/2023
 Date Effective: 02/29/2012

Class of Station: Fixed Earth Stations

Nature of Service: Satellite Digital Audio Radio Service, Other

SITE ID: 1

LOCATION: 24 Vernon Crossing Road, Sussex, Vernon, NJ
 41 ° 12 ' 45.00 " N LAT.

74 ° 29 ' 39.00 " W LONG.

ANTENNA ID:	1	7.2 meters	General Dynamics	N/A
	7068.0000 - 7072.5000 MHz	4M50G7E	75.00 dBW	TDM QPSK DARS PROGRAM UPLINK
	7060.0000 - 7064.5000 MHz	4M50G7E	75.00 dBW	TDM QPSK DARS PROGRAM UPLINK
	7055.5000 - 7056.5000 MHz	1M00F1D	75.00 dBW	PCM/PSK/FM COMMAND
	7051.5000 - 7052.5000 MHz	1M00F1D	75.00 dBW	PCM/PSK/FM COMMAND
	2331.8500 - 2332.1500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
	2331.3500 - 2331.6500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
	2328.0000 - 2332.5000 MHz	4M50G7E	0.00 dBW	TDM QPSK DARS PROGRAM DOWNLINK
	2320.8500 - 2321.1500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
	2320.3500 - 2320.6500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
	2320.0000 - 2324.5000 MHz	4M50G7E	0.00 dBW	TDM QPSK DARS PROGRAM DOWNLINK

ANTENNA ID:	2	7.2 meters	GENERAL DYNAMICS	N/A
	7042.6000 - 7074.4000 MHz	800KF2D	80.00 dBW	TELEMETRY
	7051.6000 - 7052.5000 MHz	1M00F1D	80.00 dBW	PCM/PSK/FM COMMAND
	7055.5000 - 7056.5000 MHz	1M00F1D	80.00 dBW	PCM/PSK/FM COMMAND
	7060.0000 - 7064.5000 MHz	4M50G7E	80.00 dBW	TDM QPSK DARS PROGRAM UPLINK
	7068.0000 - 7072.0000 MHz	4M50G7E	80.00 dBW	TDM QPSK DARS PROGRAM UPLINK
	7056.8450 - 7074.8690 MHz	1M84G1W	80.00 dBW	AUDIO CONTENT ANCILLARY DATA, QPSK

2332.5000 - 2345.0000 MHz	100KG2D	TELEMETRY
2320.0000 - 2332.5000 MHz	300KG1D	BIPHASE PCM TELEMETRY
2320.0000 - 2324.5000 MHz	4M50G7E	TDM QPSK DARS PROGRAM UPLINK
2328.0000 - 2332.5000 MHz	4M50G7E	TDM QPSK DARS PROGRAM UPLINK
2332.5000 - 2345.0000 MHz	1M84G1W	AUDIO CONTENT ANCILLARY DATA, QPSK

Points of Communication:

- 1 - SIRIUS FM 5 - (96 W.L.)
- 1 - SIRIUS FM 6 - (116.15 W.L)
- 1 - XM 1 - (115.25 W.L)
- 1 - XM 2 - (115.25W.L)
- 1 - XM 3 - (85.15 W.L)
- 1 - XM-4 - (115.25W.L)
- 1 - XM-5 - (85.15)

SES-REG-20120113-00054	E E120015	WHIDBEY TELEPHONE COMPANY	01/13/2012 - 01/13/2027
Registration			Date Effective: 03/01/2012
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 14888 SR 525, ISLAND, LANGLEY, WA
 48 ° 0 ' 27.50 " N LAT. 122 ° 27 ' 50.70 " W LONG.

ANTENNA ID:	C1 and C2	4.5 meters	VIASAT	4.5M.
	3700.0000 - 4200.0000 MHz		36M0F8W	ANALOG VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL AUDIO AND VIDEO

Points of Communication:

- 1 - ALSAT - (ALSAT)
-

SES-RWL-20120206-00140 E KB49 COXCOM, LLC
 Renewal 02/13/2012 - 02/13/2027
 Grant of Authority Date Effective: 02/09/2012

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

Correction to FCC Records to correct the Licensee's name filed granted on renewal which appeared on Public Notice Report No. SES-01425 dated February 15, 2012 in error from Cox Enterprises, Inc. to CoxCom, LLC per letter request dated March 2, 2012.

SITE ID: 1
 LOCATION: 6650 EAST 44TH STREET, TULSA, TULSA, OK
 36 ° 5 ' 58.00 " N LAT. 95 ° 54 ' 5.00 " W LONG.

ANTENNA ID: 1 7.6 meters ANDREW CORPORATION ES76
 3700.0000 - 4200.0000 MHz 36M0F8W

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20120223-00199 E E020009 E! Entertainment Television, LLC
 Renewal 02/27/2012 - 02/27/2027
 Grant of Authority Date Effective: 02/29/2012

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
 LOCATION: VARIOUS

ANTENNA ID: 1	1.2 meters	AVL TECHNOLOGY	1200USA
14000.0000 - 14500.0000 MHz	8M00G7F	60.92 dBW	COMPRESSED DIGITAL TELEVISION
14000.0000 - 14500.0000 MHz	6M00G7F	59.64 dBW	COMPRESSED DIGITAL TELEVISION
14000.0000 - 14500.0000 MHz	4M00G7F	57.90 dBW	COMPRESSED DIGITAL TELEVISION
14000.0000 - 14500.0000 MHz	2M00G7F	54.91 dBW	COMPRESSED DIGITAL TELEVISION
14000.0000 - 14500.0000 MHz	16M0G7F	62.51 dBW	COMPRESSED DIGITAL TELEVISION

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20120223-00200 E WN78 Time Warner Entertainment - Advance/Newhouse Partnership
Renewal 03/05/2012 - 03/05/2027
Grant of Authority Date Effective: 03/01/2012

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

"CORRECTION" this Earth Station Renewal Receive-only Registration application appeared on Report No. SES-01429 Action Taken Public Notice dated February 29, 2012 to be granted but without the GRANT DATE EFFECTIVE showing error, therefore in this Public Notice the grant date is being showned.

SITE ID: 1
LOCATION: RICHMOND, ROCKINGHAM, NC
34 ° 55 ' 30.00 " N LAT. 79 ° 43 ' 57.00 " W LONG.

ANTENNA ID: 1 5 meters ANTENNA FOR PR 16.42
COMMUNICATIONS

3700.0000 - 4200.0000 MHz 36000F9

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20120227-00214 E E020045 Time Warner Entertainment - Advance/Newhouse Partnership
Renewal 04/15/2012 - 04/15/2027
Grant of Authority Date Effective: 02/29/2012

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 14045 BALLANTYNE CORP. PLACE, MECKLENBURG, CHARLOTTE, NC

ANTENNA ID: 1 1.2 meters AVL TECHNOLOGIES 1200

14000.0000 - 14500.0000 MHz 36M0G7W 63.50 dBW MCPC DIGITAL CARRIER FOR VIDEO/DATA

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20120227-00215 E E020046 Time Warner Entertainment - Advance/Newhouse Partnership
Renewal 04/15/2012 - 04/15/2027
Grant of Authority Date Effective: 02/29/2012

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 71 MOUNT HOPE, MONROE, ROCHESTER, NY

ANTENNA ID:	1	1.2 meters	AVL TECHNOLOGIES	1200
	14000.0000 - 14500.0000 MHz	36M0G7W	63.50 dBW	MCPC DIGITAL CARRIER VIDEO/AUDIO/DATA

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20120228-00222	E	E020032	Local TV Oklahoma License, LLC	
Renewal				04/04/2012 - 04/04/2027
Grant of Authority				Date Effective: 02/29/2012

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: VARIOUS

ANTENNA ID:	1	2.4 meters	VERTEX	2.4DMK4L
	14000.0000 - 14500.0000 MHz	24M0G7F	65.10 dBW	PSK DIGITAL VIDEO WITH DIGITAL AUDIO/DATA
	14000.0000 - 14500.0000 MHz	24M0F8F	71.02 dBW	ANALOG VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS
	14000.0000 - 14500.0000 MHz	36M0F8F	74.02 dBW	ANALOG VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS
	11700.0000 - 12200.0000 MHz	24M0G7F		PSK DIGITAL VIDEO WITH DIGITAL AUDIO/DATA
	11700.0000 - 12200.0000 MHz	24M0F8F		ANALOG VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS
	11700.0000 - 12200.0000 MHz	36M0F8F		ANALOG VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20120301-00228	E	E920109	Community Television Foundation of South Florida, Inc.	
Renewal				03/06/2012 - 03/06/2027
Grant of Authority				Date Effective: 03/06/2012

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 14901 N.E. 20TH AVENUE, DADE, MIAMI, FL
25 ° 54 ' 49.00 " N LAT. 80 ° 9 ' 33.00 " W LONG.

ANTENNA ID:	1	8.1 meters	VERTEX	8.1KPK
	14000.0000 - 14500.0000 MHz		36M0F3F	86.80 dBW
	14000.0000 - 14500.0000 MHz		25M0F3F	86.80 dBW
	11700.0000 - 12200.0000 MHz		36M0F3F	
	11700.0000 - 12200.0000 MHz		25M0F3F	

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20120301-00229	E	E010331	Pennsylvania, Commonwealth of	
Renewal				03/02/2012 - 03/02/2027
Grant of Authority				Date Effective: 03/06/2012

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
 LOCATION: 333 MARKET ST., DAUPHIN, HARRISBURG, PA
 40 ° 15 ' 37.30 " N LAT. 76 ° 52 ' 45.90 " W LONG.

ANTENNA ID:	1	3.8 meters	VERTEX	3.8 DXK
	14000.0000 - 14500.0000 MHz		36M0F3F	77.77 dBW
	11700.0000 - 12200.0000 MHz		36M0F3F	

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20120302-00232	E	E4191	MARCUS CABLE ASSOCIATES, L.L.C.	
Renewal				04/23/2012 - 04/23/2027
Grant of Authority				Date Effective: 03/05/2012

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
 LOCATION: TARRANT, FORT WORTH, TX
 32 ° 43 ' 21.00 " N LAT. 97 ° 23 ' 4.00 " W LONG.

ANTENNA ID:	1	4.6 meters	SCIENTIFIC ATLANTA	8005
	3700.0000 - 4200.0000 MHz		36000F9	

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20120302-00233 E E920280 COX COMMUNICATIONS, INC.
Renewal 03/23/2012 - 03/23/2027
Grant of Authority Date Effective: 03/05/2012

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 2312 N.W. 10TH STREET, OKLAHOMA, OKLAHOMA CITY, OK
35 ° 28 ' 39.00 " N LAT. 97 ° 33 ' 9.00 " W LONG.

ANTENNA ID: 1 4.5 meters ANDREW CORP. ESA45-46A
3700.0000 - 4200.0000 MHz 25M0F8W

Points of Communication:

1 - ALSAT - (ALSAT)

SES-STA-20120229-00225 E E110104 SES Americom, Inc.
Special Temporary Authority
Grant of Authority Date Effective: 03/02/2012

Class of Station:

SES Americom, Inc. is granted, under conditions, Special Temporary Authority for 30 days, from 03/05/2012 through 04/03/2012 to test E110104 equipment with SES-4 satellite (call sign S2828) while the satellite is at its in-orbit testing ("IOT") location at 26.0° W.L.

Points of Communication:

Dismissal

SES-LIC-20120113-00055 E120016 SES Americom, Inc.

SES Americom Inc. license application is dismissed as defective without prejudice to re-filing.

SES-STA-20120222-00191 E060383 HNS License Sub, LLC

Application is dismissed, underlying application SES-MFS-20110919-01066 has been granted.

SURRENDER

SES-RWL-20020313-00324 KB81 Channel 5 Public Broadcasting, Inc.

License has been surrendered per letter dated March 1, 2012.

For more information concerning this Notice, contact the Satellite Division at 418-0719; TTY 202-418-2555.