PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. SES-01443 **Wednesday April 25, 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-AFS-20111121-01381 E KA313 Vizada, Inc.
Amendment
Grant of Authority Date Effective: 04/23/2012

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

Nature of Service: Fixed Satellite Service

SITE ID: (C-) Hub 14.2M
LOCATION: 2120 RIVER RD., NEW HAVEN, SOUTHBURY, CT
41 ° 27 ' 6.30 " N LAT. 73 ° 17 ' 16.40 " W LONG.

ANTENNA ID: (C)14.2M 14.2 meters TIW (C-band) 14.2M

6454.4000 - 6456.6000 MHz	1K20G1D	44.50 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
6454.4000 - 6456.6000 MHz	1K20G2D	44.50 dBW	DIGITAL CARRIER
6454.4000 - 6456.6000 MHz	2K40G2D	44.50 dBW	DIGITAL CARRIER
6454.4000 - 6456.6000 MHz	10K5G2F	44.50 dBW	DIGITAL CARRIER
6454.4000 - 6456.6000 MHz	2M20G1D	78.00 dBW	DIGITAL CARRIER
6454.4000 - 6456.6000 MHz	2M20G1D	82.30 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	1K20G1D	44.50 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	600HG1D	44.50 dBW	DIGITAL CARRIER

6425.0000 - 6454.0000 MHz	600HG2D	44.50 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	1K20G2D	44.50 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	2K40G2D	44.50 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	10K5G2F	44.50 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	2M20G1D	78.00 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	2M20G1D	82.30 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	100KG1X	60.80 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	10K0G1W	59.70 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	10K0G1X	61.20 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	17K5G1D	61.40 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	20K0G1E	56.80 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	2K50F1D	58.80 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	2K50G1D	65.70 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	45K0G7D	66.00 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	5K00G1D	61.80 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	5K00G1E	51.90 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	5K00G1W	51.90 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	60K0D1W	65.90 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	7K50G1D	59.10 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	7K50G1E	62.20 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	7K50G1W	58.40 dBW	DIGITAL DATA
6425.0000 - 6443.0000 MHz	NON	70.00 dBW	Communications Systems Monitoring & test Signals
6425.0000 - 6443.0000 MHz	600KFXN	70.00 dBW	Communications Systems Monitoring & test Signals
6417.5000 - 6443.0000 MHz	4K00G1D	70.00 dBW	
6417.5000 - 6443.0000 MHz	4K00G3E	70.00 dBW	

6417.5000 - 6443.0000 MHz	6K00G1D	70.00 dBW	
6417.5000 - 6443.0000 MHz	7K50G3E	70.00 dBW	
6417.5000 - 6443.0000 MHz	12K0G1D	70.00 dBW	
6417.5000 - 6443.0000 MHz	12K0G3E	70.00 dBW	
6416.0000 - 6418.0000 MHz	900KF2D	75.00 dBW	TT&C
6170.0000 - 6180.0000 MHz	900KF2D	90.00 dBW	TT&C
5925.0000 - 6425.0000 MHz	36M0F8F	83.50 dBW	ANALOG VIDEO
5925.0000 - 6425.0000 MHz	18M0F8F-	83.50 dBW	ANALOG VIDEO
5925.0000 - 6425.0000 MHz	36M0G7F	88.80 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	4M00G7F-	84.30 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	72M0G7W	88.80 dBW	DIGITAL VOICE, AND DATA
5925.0000 - 6425.0000 MHz	21K9G7W-	61.70 dBW	DIGITAL VOICE, AND DATA
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		
4188.0000 - 4189.0000 MHz	1K00G1D		TT&C
3945.0000 - 3955.0000 MHz	1K00G1D		TT&C
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

3600.0000 - 3629.0000 MHz	2M20G1D	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	NON	Communications Systems Monitoring & test Signals
3600.0000 - 3623.0000 MHz	300KFXN	Communications Systems Monitoring & test Signals
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	

SITE ID: REMOTE 2
LOCATION: 1,000 (1.8M ANTENNAS) CONUS

ANTENNA ID: 1.8M 1.8 meters ANDREW 183

14000.0000 - 14500.0000 MHz	169KG7W	58.50 dBW	DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	1M62G7W	58.50 dBW	DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	3M00G7W		DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	54M0G7W		DIGITAL AUDIO, VIDEO, AND DATA

SITE ID: ESV/6006
LOCATION: 400 (1.5 meters), CONUS

ANTENNA ID: 6006 1.5 meters SEATEL 6006

14000.0000 - 14500.0000 MHz	44K8G1W	40.00 dBW	SCPC USING QPSK AND BPSK MODULATION
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	151KG7W	45.30 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
14000.0000 - 14500.0000 MHz	194KG7W	46.40 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
14000.0000 - 14500.0000 MHz	291KG7W	48.10 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
14000.0000 - 14500.0000 MHz	388KG7W	49.10 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
14000.0000 - 14500.0000 MHz	445KG7W	49.10 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
14000.0000 - 14500.0000 MHz	452KG7W	49.10 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
14000.0000 - 14500.0000 MHz	81K0G7W	42.50 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
14000.0000 - 14500.0000 MHz	97K0G7W	43.40 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
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	54M0G7W	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
11450.0000 - 12200.0000 MHz	81K0G7W	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
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	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
10950.0000 - 11200.0000 MHz	81K0G7W	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS

SITE ID: (L) Hub 14.2M
LOCATION: 2120 RIVER RD., NEW HAVEN, SOUTHBURY, CT
41 ° 27 ' 6.30 " N LAT. 73 ° 17 ' 16.40 " W LONG.

ANTENNA ID: (L)14.2M 14.2 meters TIW (L-band) DUAL

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	2K40G2D	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	300KFXN	70.00 dBW	Communications Systems Monitoring & test Signals
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	600KFXN	Communications Systems Monitoring & test Signals
1530.0000 - 1548.0000 MHz	NON	Communications Systems Monitoring & test Signals
1525.0000 - 1559.0000 MHz	2K40G2D	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: (Ku) Hub 14.2M
LOCATION: 2120 River Road, New Haven, Southbury, CT
41 ° 27 ' 6.30 " N LAT. 73 ° 17 ' 16.40 " W LONG.

ANTENNA ID: (Ku)14.2M 14.2 meters TIW 14.2M

SITE ID: Hub 1.2M(Ku)
LOCATION: 2120 River Road, New Haven, Southbury, CT
41 ° 27 ' 6.30 " N LAT. 73 ° 17 ' 16.40 " W LONG.

ANTENNA ID: (Hub)1.2M 1.2 meters PRODELIN 1123

14000.0000 - 14500.0000 MHz	36M0G7W	63.30 dBW	DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	64K0G7W	41.30 dBW	DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	169KG7W	55.30 dBW	DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	1M62G7W	55.30 dBW	DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	36M0G7W		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

SITE ID: ESV/4006
LOCATION: Operate up to 550 remotes (1.0M), CONUS

ANTENNA ID: 4006 1 meters SEATEL 4006

14000.0000 - 14500.0000 MHz	44K8G1W	34.40 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	717KG1W	46.40 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	89K6G1W	37.40 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	227KG7W	41.50 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	340KG7W	43.20 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	378KG7W	43.60 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	454KG7W	44.50 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	908KG7W	47.40 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M40G7W	47.40 dBW	DVB/MFTDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	316KG7W	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	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
11450.0000 - 11200.0000 MHz	44K8G1W		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 11200.0000 MHz	717KG1W		SCPC USING QPSK AND BPSK MODULATION

11450.0000 - 11200.0000 MHz	89K6G1W	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
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: ESV/4996T

LOCATION: Operate up to 550 remotes (1.2M), CONUS

ANTENNA ID: 4996T 1.2 meters SEATEL 4996T

14000.0000 - 14500.0000 MHz	1M43G1W	51.10 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G1W	36.10 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	717KG1W	48.10 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	89K6G1W	39.10 dBW	SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	1M43G1W		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	717KG1W		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	89K6G1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	1M43G1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W		SCPC USING QPSK AND BPSK MODULATION

10950.0000 - 11200.0000 MHz	717KG1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	89K6G1W		SCPC USING QPSK AND BPSK MODULATION

SITE ID: Hub (8.1M)
LOCATION: 2120 River Road, New Haven, Southbury, CT
41 ° 27 ' 6.30 " N LAT. 73 ° 17 ' 16.40 " W LONG.

ANTENNA ID: Vertex 8.1 8.1 meters VERTEX KPK

14000.0000 - 14500.0000 MHz	36M0F8W	80.14 dBW	ANALOG VIDEO
14000.0000 - 14500.0000 MHz	100KG7W	60.07 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	32K0G7W	55.13 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	36M0G7W	77.23 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	42M0G7W	86.31 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	76K8G7W	58.93 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	9K00G7W	49.62 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	72M0G7W	88.55 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	36M0G7W	72.00 dBW	QPSK, DIGITAL TELEPHONY
14000.0000 - 14500.0000 MHz	1M60G1F	72.12 dBW	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
14000.0000 - 14500.0000 MHz	200KG1F	63.08 dBW	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
14000.0000 - 14500.0000 MHz	400KG1F	66.10 dBW	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
14000.0000 - 14500.0000 MHz	800KG1F	69.11 dBW	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
11700.0000 - 12200.0000 MHz	36M0F8W		ANALOG VIDEO
11700.0000 - 12200.0000 MHz	100KG7W		QPSK, DIGITAL DATA

11700.0000 - 12200.0000 MHz	20M0G7W	QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	2M29G7W	QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	32K0G7W	QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	36M0G7W	QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	42M0G7W	QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	43K8G7W	QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	45K0G7W	QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	72M0G7W	QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	76K8G7W	QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	9K00G7W	QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	36M0G7W	QPSK, DIGITAL TELEPHONY
11700.0000 - 12200.0000 MHz	1M60G1F	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
11700.0000 - 12200.0000 MHz	200KG1F	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
11700.0000 - 12200.0000 MHz	400KG1F	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
11700.0000 - 12200.0000 MHz	800KG1F	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO

SITE ID: Remote 1.2m AVL
LOCATION: 1000 (1.2M ANTENNAS), CONUS

ANTENNA ID: AVL 1.2M 1.2 meters AVL 1.2M Ku-band

14000.0000 - 14500.0000 MHz	1M55G7W	55.10 dBW	DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	388KG7W	49.10 dBW	DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	3M10G7W	58.10 dBW	DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	64K0G7W	41.30 dBW	DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION

14000.0000 - 14500.0000 MHz	776KG7W	52.10 dBW	DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
11700.0000 - 12200.0000 MHz	45M0G7W		DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
11700.0000 - 12200.0000 MHz	64K0G7W		DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
11450.0000 - 11700.0000 MHz	45M0G7W		DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
11450.0000 - 11700.0000 MHz	64K0G7W		DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	45M0G7W		DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	64K0G7W		DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION

SITE ID: ESV/V110
LOCATION: 500 (1.05M ANTENNAS) CONUS

ANTENNA ID: V1110 1.05 meters INTELLIAN V110

14000.0000 - 14500.0000 MHz	194KG7W	42.40 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	1M36G7W	49.80 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	291KG7W	44.10 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	44K8G1W	36.00 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	582KG7W	47.10 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	679KG7W	47.80 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	776KG7W	48.40 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	970KG7W	49.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	97K0G7W	39.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	151KG7W		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	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	89K6G1W		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	2M60G7W		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: REMOTE 1
LOCATION: 1,000 (1.2M ANTENNAS) CONUS

ANTENNA ID: 1.2M 1.2 meters ANDREW 123/124

SITE ID: REMOTE 3 (2.4M)
LOCATION: 500 (2.4M ANTENNAS) CONUS

ANTENNA ID: 2.4M 2.4 meters ANDREW 243

14000.0000 - 14500.0000 MHz	169KG7W	61.20 dBW	DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	1M62G7W	61.20 dBW	DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	3M00G7W		DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	54M0G7W		DIGITAL AUDIO, VIDEO, AND DATA

SITE ID: REMOTE .75 M
LOCATION: 100 (.75 M antennas) CONUS

ANTENNA ID: .75M 0.75 meters VISIOSAT VISIOSAT 75

14000.0000 - 14500.0000 MHz	1M52G7W	49.50 dBW	DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	342KG7W	43.00 dBW	DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	3M00G7W		DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	54M0G7W		DIGITAL AUDIO, VIDEO, AND DATA

SITE ID: (Ku) ESVREMOTE .75 M
LOCATION: Operate up to 500 remotes (.75M) US Internation water

ANTENNA ID: STLUSAT30 0.75 meters SEA TEL USAT-30

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	1M02G7W	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: (Ku) ESV TTSAIL900

LOCATION: Operate up to 500 remotes (1.0M) US Internation water

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

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: REMOTE .90 M
LOCATION: 250 (.90 M antennas) CONUS

ANTENNA ID: .90M 0.9 meters VISIOSAT VISIOSAT 90

14000.0000 - 14500.0000 MHz	1M52G7W	50.60 dBW	DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	342KG7W	44.10 dBW	DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	3M00G7W		DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	54M0G7W		DIGITAL AUDIO, VIDEO, AND DATA

SITE ID: REMOTE .96 M
LOCATION: 500 (.96 M antennas) CONUS

ANTENNA ID: .96M 0.96 meters ANDREW TYPE 960

14000.0000 - 14500.0000 MHz	1M52G7W	51.70 dBW	DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	342KG7W	45.20 dBW	DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	3M00G7W		DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	54M0G7W		DIGITAL AUDIO, VIDEO, AND DATA

SITE ID: HUB 6.1 M
LOCATION: 2120 River Road, New Haven, Southbury, CT
41 ° 27 ' 6.30 " N LAT. 73 ° 17 ' 16.40 " W LONG.

ANTENNA ID: (Hub)6.1M 6.1 meters VERTEX KPK

14000.0000 - 14500.0000 MHz	36M0F8W	80.14 dBW	ANALOG VIDEO
14000.0000 - 14500.0000 MHz	100KG7W	57.07 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	20M0G7W	80.08 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	2M29G7W	70.67 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	32K0G7W	52.13 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	36M0G7W	76.93 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	43K8G7W	53.49 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	45K0G7W	53.61 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	76K8G7W	55.93 dBW	QPSK, DIGITAL DATA

14000.0000 - 14500.0000 MHz	9K00G7W	46.62 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	36M0G7W	71.70 dBW	QPSK, DIGITAL TELEPHONY
14000.0000 - 14500.0000 MHz	1M60G1F	69.12 dBW	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
14000.0000 - 14500.0000 MHz	200KG1F	60.08 dBW	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
14000.0000 - 14500.0000 MHz	400KG1F	63.10 dBW	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
14000.0000 - 14500.0000 MHz	800KG1F	66.11 dBW	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
11700.0000 - 12200.0000 MHz	36M0F8W		ANALOG VIDEO
11700.0000 - 12200.0000 MHz	100KG7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	20M0G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	2M29G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	32K0G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	36M0G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	43K8G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	45K0G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	76K8G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	9K00G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	36M0G7W		QPSK, DIGITAL TELEPHONY
11700.0000 - 12200.0000 MHz	1M60G1F		PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
11700.0000 - 12200.0000 MHz	200KG1F		PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
11700.0000 - 12200.0000 MHz	400KG1F		PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
11700.0000 - 12200.0000 MHz	800KG1F		PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO

SITE ID: ESV/4003A
LOCATION: Operate up to 550 remotes (1.0M), CONUS

ANTENNA ID:	4003A	1 meters	SEATEL	4003A

14000.0000 - 14500.0000 MHz	44K8G1W	34.40 dBW	SPCP USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	538KG1W	45.20 dBW	SPCP USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	89K6G1W	37.40 dBW	SPCP 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
14000.0000 - 14500.0000 MHz	378KG7W	43.60 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	151KG7W		TDM/TDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W		SPCP USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	717KG1W		SPCP USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	89K6G1W		SPCP 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	SPCP USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	717KG1W	SPCP USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	89K6G1W	SPCP 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

Points of Communication:

(C-) Hub 14.2M - ALSAT - (ALSAT)

(C-) Hub 14.2M - INMARSAT 3F4 - (54 W.L.)

(C-) Hub 14.2M - INMARSAT 4F3 - (97.65 W.L.)

(C-) Hub 14.2M - INMARSAT Ltd-3 - (15.5 W.L.)

(C-) Hub 14.2M - INMARSAT-2 AOR-EAST - (17 W.L.)

(C-) Hub 14.2M - INMARSAT-2 AOR-WEST - (98 W.L.)

(C-) Hub 14.2M - MARISAT-F2 - (33.9 W.L.)

(Ku) ESV TTSAIL900 - ALSAT - (ALSAT)

(Ku) ESVREMOTE .75 M - ALSAT - (ALSAT)

(Ku) Hub 14.2M - ALSAT - (ALSAT)

(Ku) Hub 14.2M - INMARSAT 3F4 - (54 W.L.)

(Ku) Hub 14.2M - INMARSAT Ltd-3 - (15.5 W.L.)

(Ku) Hub 14.2M - INMARSAT-2 AOR-EAST - (17 W.L.)

(Ku) Hub 14.2M - INMARSAT-2 AOR-WEST - (98 W.L.)

(Ku) Hub 14.2M - MARISAT-F2 - (33.9 W.L.)

(L) Hub 14.2M - INMARSAT 3F4 - (54 W.L.)

(L) Hub 14.2M - INMARSAT Ltd-3 - (15.5 W.L.)

(L) Hub 14.2M - INMARSAT-2 AOR-EAST - (17 W.L.)

(L) Hub 14.2M - INMARSAT-2 AOR-WEST - (98 W.L.)

(L) Hub 14.2M - ISAT List -

(L) Hub 14.2M - MARISAT-F2 - (33.9 W.L.)

ESV/4003A - ALSAT - (ALSAT)

ESV/4003A - GALAXY 10R - (123 W.L.)

ESV/4003A - INTELSAT 705 - (50 W.L.)

ESV/4006 - ALSAT - (ALSAT)

ESV/4006 - GALAXY 10R - (123 W.L.)

ESV/4006 - INTELSAT 705 - (50 W.L.)

ESV/4996T - ALSAT - (ALSAT)

ESV/4996T - GALAXY 10R - (123 W.L.)

ESV/4996T - INTELSAT 705 - (50 W.L.)

ESV/6006 - ALSAT - (ALSAT)

ESV/6006 - GALAXY 10R - (123 W.L.)

ESV/6006 - INTELSAT 705 - (50 W.L.)

ESV/V110 - ALSAT - (ALSAT)

Hub (8.1M) - ALSAT - (ALSAT)

Hub (8.1M) - INMARSAT 3F4 - (54 W.L.)

Hub (8.1M) - INMARSAT Ltd-3 - (15.5 W.L.)

Hub (8.1M) - INMARSAT-2 AOR-EAST - (17 W.L.)

Hub (8.1M) - INMARSAT-2 AOR-WEST - (98 W.L.)

Hub (8.1M) - MARISAT-F2 - (33.9 W.L.)

HUB 6.1 M - ALSAT - (ALSAT)

REMOTE .75 M - NSS-7 - (338.5 E.L.)

REMOTE .90 M - NSS-7 - (338.5 E.L.)

REMOTE .96 M - NSS-7 - (338.5 E.L.)

REMOTE 1 - ALSAT - (ALSAT)

Remote 1.2m AVL - ALSAT - (ALSAT)

REMOTE 2 - ALSAT - (ALSAT)

REMOTE 3 (2.4M) - ALSAT - (ALSAT)

SES-LIC-20120106-00020 E E120009 Intelsat License LLC

Application for Authority 04/19/2012 - 04/19/2027

Grant of Authority Date Effective: 04/19/2012

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 22401 JUNIPER FLATS ROAD, RIVERSIDE, NUEVO, CA

33 ° 47 ' 48.00 " N LAT. 117 ° 5 ' 20.00 " W LONG.

ANTENNA ID: 1 13.1 meters GD SATCOM 13.1 METER

14000.0000 - 14500.0000 MHz	600KF2D	71.30 dBW	TT&C
14000.0000 - 14500.0000 MHz	56K0G7W	61.00 dBW	DIGITAL DATA, VOICE AND VIDEO SERVICES
14000.0000 - 14500.0000 MHz	1M00F2D	73.50 dBW	DIGITAL DATA, VOICE AND VIDEO SERVICES
14000.0000 - 14500.0000 MHz	72M0G7W	92.00 dBW	DIGITAL DATA, VOICE AND VIDEO SERVICES
10950.0000 - 11200.0000 MHz	56K0G7W		DIGITAL DATA, VOICE AND VIDEO SERVICES
11700.0000 - 12200.0000 MHz	56K0G7W		DIGITAL DATA, VOICE AND VIDEO SERVICES
10950.0000 - 11200.0000 MHz	72M0G7W		DIGITAL DATA, VOICE AND VIDEO SERVICES
11700.0000 - 12200.0000 MHz	72M0G7W		DIGITAL DATA, VOICE AND VIDEO SERVICES
11450.0000 - 11700.0000 MHz	72M0G7W		DIGITAL DATA, VOICE AND VIDEO SERVICES
11450.0000 - 11700.0000 MHz	56K0G7W		DIGITAL DATA, VOICE AND VIDEO SERVICES

Points of Communication:

1 - ALSAT - (ALSAT)

1 - INTELSAT 18 - (180 E.L.)

SES-LIC-20120209-00148 E E120027 LIVESHOT CAROLINA

Application for Authority 04/18/2012 - 04/18/2027

Grant of Authority Date Effective: 04/18/2012

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: NC
LOCATION: VARIOUS

ANTENNA ID: 1 2.43 meters RSI 240 KVO

14000.0000 - 14500.0000 MHz 25M0D7W 72.68 dBW Video

11700.0000 - 12200.0000 MHz 25M0D7W Video

Points of Communication:

NC - PERMITTED LIST - ()

SES-LIC-20120305-00235 E E120045 NBC TELEMUNDO LICENSE LLC
Application for Authority 04/18/2012 - 04/18/2027
Grant of Authority Date Effective: 04/18/2012

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: WNBC
LOCATION: WNBC SNG Hybrid-20120229-H-K, VARIOUS

ANTENNA ID: H-K 1.2 meters AVL Technologies 1210K

14000.0000 - 14500.0000 MHz 36M0G7W 65.75 dBW Phase modulated carrier wiith digital data, video and audio

Points of Communication:

WNBC - PERMITTED LIST - ()

SES-LIC-20120305-00236 E E120046 NBC TELEMUNDO LICENSE LLC
Application for Authority 04/18/2012 - 04/18/2027
Grant of Authority Date Effective: 04/18/2012

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: WNBC
LOCATION: WNBC SNG Hybrid-20120229-H-L, VARIOUS

ANTENNA ID: H-L 1.2 meters AVL Technologies 1210K

14000.0000 - 14500.0000 MHz 36M0G7W 65.75 dBW Phase modulated carrier wiith digital data, video and audio

Points of Communication:

SES-MFS-20111104-01314 E E100079 DIRECTV ENTERPRISES, LLC
Modification 09/20/2010 - 09/20/2025
Grant of Authority Date Effective: 04/18/2012

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: SWUF KA3
LOCATION: 9608 East Old Vail Rd., Pima County, Tucson, AZ
32 ° 5 ' 31.50 " N LAT. 110 ° 47 ' 14.50 " W LONG.

ANTENNA ID:	KA3	9.1 meters	VIASAT	LEOP-9
18300.0000 - 18800.0000 MHz	36M0G7W			PSK MOD DIGITAL VIDEO / AUDIO
19700.0000 - 20200.0000 MHz	36M0G7W			PSK MOD DIGITAL VIDEO / AUDIO
28350.0000 - 28600.0000 MHz	36M0G7W	83.00 dBW		PSK MOD DIGITAL VIDEO / AUDIO
29250.0000 - 30000.0000 MHz	36M0G7W	83.00 dBW		PSK MOD DIGITAL VIDEO / AUDIO

Points of Communication:

SWUF KA3 - ALSAT - (ALSAT)

SWUF KA3 - DIRECTV 10 - (102.8 W.L.)

SWUF KA3 - DIRECTV 11 - (99.2 W.L.)

SWUF KA3 - DIRECTV 12 - (102.765 W)

SWUF KA3 - DIRECTV 8 (K) - (101 W.L.)

SWUF KA3 - DIRECTV 9S - (101 W.L.)

SWUF KA3 - SPACEWAY 1 - (103 W.L.)

SWUF KA3 - SPACEWAY 2 - (99 W.L.)

SES-MFS-20111104-01315 E E070023 DIRECTV ENTERPRISES, LLC
Modification 03/14/2007 - 03/14/2022
Grant of Authority Date Effective: 04/18/2012

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 401 W. DIRECWAY (SWDF KA4), COCHISE, BENSON, AZ
31 ° 58 ' 22.40 " N LAT. 110 ° 18 ' 16.70 " W LONG.

ANTENNA ID:	SWDF KA1	9.1 meters	VIASAT	LEOP-9

29250.0000 - 30000.0000 MHz	36M0G7W	83.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO
28350.0000 - 28600.0000 MHz	36M0G7W	83.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO
19700.0000 - 20200.0000 MHz	36M0G7W		PSK MOD DIGITAL VIDEO / AUDIO
18300.0000 - 18800.0000 MHz	36M0G7W		PSK MOD DIGITAL VIDEO / AUDIO
18300.0000 - 30000.0000 MHz	36M0G7W	83.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO

ANTENNA ID: SWDF KA2 9.1 meters VIASAT LEOP-9

29250.0000 - 30000.0000 MHz	36M0G7W	83.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO
28350.0000 - 28600.0000 MHz	36M0G7W	83.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO
19700.0000 - 20200.0000 MHz	36M0G7W		PSK MOD DIGITAL VIDEO / AUDIO
18300.0000 - 18800.0000 MHz	36M0G7W		PSK MOD DIGITAL VIDEO / AUDIO
18300.0000 - 30000.0000 MHz	36M0G7W	83.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO

Points of Communication:

1 - ALSAT - (ALSAT)

1 - DIRECTV 10 - (102.8 W.L.)

1 - DIRECTV 11 - (99.2 W.L.)

1 - DIRECTV 12 - (103 W.L.)

1 - DIRECTV 8 (K) - (101 W.L.)

1 - DIRECTV 9S - (101 W.L.)

1 - SPACEWAY 1 - (103 W.L.)

1 - SPACEWAY 2 - (99 W.L.)

SES-MFS-20111104-01317 E E100121 DIRECTV ENTERPRISES, LLC
Modification 01/28/2011 - 01/28/2026
Grant of Authority Date Effective: 04/18/2012

Class of Station: Fixed Earth Stations

Nature of Service: Direct to Home Fixed Satellite, Fixed Satellite Service

SITE ID: SWUF KA4
LOCATION: 9608 East Old Vail Rd., Pima County, Tucson, AZ
32 ° 5 ' 31.80 " N LAT. 110 ° 47 ' 15.10 " W LONG.

ANTENNA ID: KA4 9.1 meters VIASAT LEOP-9

18300.0000 - 18800.0000 MHz	36M0G7W	0.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO
19700.0000 - 20200.0000 MHz	36M0G7W	0.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO
28350.0000 - 28600.0000 MHz	36M0G7W	83.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO
29250.0000 - 30000.0000 MHz	36M0G7W	83.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO

Points of Communication:

SWUF KA4 - ALSAT - (ALSAT)

SWUF KA4 - DIRECTV 10 - (102.8 W.L.)

SWUF KA4 - DIRECTV 11 - (99.2 W.L.)

SWUF KA4 - DIRECTV 12 - (102.765 W)

SWUF KA4 - DIRECTV 8 (K) - (101 W.L.)

SWUF KA4 - DIRECTV 9S - (101 W.L.)

SWUF KA4 - SPACEWAY 1 - (103 W.L.)

SWUF KA4 - SPACEWAY 2 - (99 W.L.)

SES-MFS-20111104-01320 E E070111 DIRECTV ENTERPRISES, LLC

Modification 09/11/2007 - 09/11/2022

Grant of Authority Date Effective: 04/18/2012

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: SWUF

LOCATION: 9608 East Old Vail Rd., Pima County, Tucson, AZ

32 ° 5 ' 31.30 " N LAT. 110 ° 47 ' 14.10 " W LONG.

ANTENNA ID: KA1 9.1 meters VIASAT LEOP-9

29250.0000 - 30000.0000 MHz	36M0G7W	83.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO
28350.0000 - 28600.0000 MHz	36M0G7W	83.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO
19700.0000 - 20200.0000 MHz	36M0G7W	0.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO
18300.0000 - 18800.0000 MHz	36M0G7W	0.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO

ANTENNA ID: KA2 9.1 meters VIASAT LEOP-9

29250.0000 - 30000.0000 MHz	36M0G7W	83.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO
28350.0000 - 28600.0000 MHz	36M0G7W	83.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO

19700.0000 - 20200.0000 MHz	36M0G7W	0.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO
18300.0000 - 18800.0000 MHz	36M0G7W	0.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO

Points of Communication:

SWUF - ALSAT - (ALSAT)

SWUF - DIRECTV 10 - (102.8 W.L.)

SWUF - DIRECTV 11 - (99.2 W.L.)

SWUF - DIRECTV 12 - (103 W.L.)

SWUF - DIRECTV 8 (K) - (101 W.L.)

SWUF - DIRECTV 9S - (101 W.L.)

SWUF - SPACEWAY 1 - (103 W.L.)

SWUF - SPACEWAY 2 - (99 W.L.)

SES-MFS-20111104-01322 E E100120 DIRECTV ENTERPRISES, LLC

Modification 01/28/2011 - 01/28/2026

Grant of Authority Date Effective: 04/18/2012

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 401 W. DIRECWAY (SWDF KA4), COCHISE, BENSON, AZ

31 ° 58 ' 22.50 " N LAT. 110 ° 18 ' 16.20 " W LONG.

ANTENNA ID: KA4 9.1 meters VIASAT LEOP-9

28350.0000 - 28600.0000 MHz	36M0G7W	83.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO
29250.0000 - 30000.0000 MHz	36M0G7W	83.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO
19700.0000 - 20200.0000 MHz	36M0G7W		PSK MOD DIGITAL VIDEO / AUDIO
18300.0000 - 18800.0000 MHz	36M0G7W		PSK MOD DIGITAL VIDEO / AUDIO
18300.0000 - 30000.0000 MHz	36M0G7W	83.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO

Points of Communication:

1 - ALSAT - (ALSAT)

1 - DIRECTV 10 - (102.8 W.L.)

1 - DIRECTV 11 - (99.2 W.L.)

1 - DIRECTV 12 - (102.765 W)

1 - DIRECTV 8 (K) - (101 W.L.)

1 - DIRECTV 9S - (101 W.L.)

1 - SPACEWAY 1 - (103 W.L.)

1 - SPACEWAY 2 - (99 W.L.)

SES-MFS-20111104-01324 E E100080 DIRECTV ENTERPRISES, LLC
Modification 09/20/2010 - 09/20/2025
Grant of Authority Date Effective: 04/18/2012

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 401 W. DIRECWAY (SWDF KA3), COCHISE, BENSON, AZ
31 ° 58 ' 22.50 " N LAT. 110 ° 18 ' 16.80 " W LONG.

ANTENNA ID: SWDF KA3 9.1 meters VIASAT LEOP-9

18300.0000 - 18800.0000 MHz	36M0G7W		PSK MOD DIGITAL VIDEO / AUDIO
19700.0000 - 20200.0000 MHz	36M0G7W		PSK MOD DIGITAL VIDEO / AUDIO
28350.0000 - 28600.0000 MHz	36M0G7W	83.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO
29250.0000 - 30000.0000 MHz	36M0G7W	83.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO
18300.0000 - 30000.0000 MHz	36M0G7W	83.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO

Points of Communication:

1 - ALSAT - (ALSAT)

1 - DIRECTV 10 - (102.8 W.L.)

1 - DIRECTV 11 - (99.2 W.L.)

1 - DIRECTV 12 - (102.765 W)

1 - DIRECTV 8 (K) - (101 W.L.)

1 - DIRECTV 9S - (101 W.L.)

1 - SPACEWAY 1 - (103 W.L.)

1 - SPACEWAY 2 - (99 W.L.)

SES-MOD-20111109-01345 E KA313 Vizada, Inc.
Application for Modification 02/20/2010 - 02/20/2025
Grant of Authority Date Effective: 04/23/2012

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

Nature of Service: Fixed Satellite Service

SITE ID: (C-) Hub 14.2M
LOCATION: 2120 RIVER RD., NEW HAVEN, SOUTHBURY, CT
41 ° 27 ' 6.30 " N LAT. 73 ° 17 ' 16.40 " W LONG.

ANTENNA ID: (C)14.2M 14.2 meters TIW (C-band) 14.2M

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

6425.0000 - 6454.0000 MHz	2K50G1D	65.70 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	45K0G7D	66.00 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	5K00G1D	61.80 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	5K00G1E	51.90 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	5K00G1W	51.90 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	60K0D1W	65.90 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	7K50G1D	59.10 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	7K50G1E	62.20 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	7K50G1W	58.40 dBW	DIGITAL DATA
6425.0000 - 6443.0000 MHz	NON	70.00 dBW	Communications Systems Monitoring & test Signals
6425.0000 - 6443.0000 MHz	600KFXN	70.00 dBW	Communications Systems Monitoring & test Signals
6417.5000 - 6443.0000 MHz	4K00G1D	70.00 dBW	
6417.5000 - 6443.0000 MHz	4K00G3E	70.00 dBW	
6417.5000 - 6443.0000 MHz	6K00G1D	70.00 dBW	
6417.5000 - 6443.0000 MHz	7K50G3E	70.00 dBW	
6417.5000 - 6443.0000 MHz	12K0G1D	70.00 dBW	
6417.5000 - 6443.0000 MHz	12K0G3E	70.00 dBW	
6416.0000 - 6418.0000 MHz	900KF2D	75.00 dBW	TT&C
6170.0000 - 6180.0000 MHz	900KF2D	90.00 dBW	TT&C
5925.0000 - 6425.0000 MHz	36M0F8F	83.50 dBW	ANALOG VIDEO
5925.0000 - 6425.0000 MHz	18M0F8F-	83.50 dBW	ANALOG VIDEO
5925.0000 - 6425.0000 MHz	36M0G7F	88.80 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	4M00G7F-	84.30 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	72M0G7W	88.80 dBW	DIGITAL VOICE, AND DATA
5925.0000 - 6425.0000 MHz	21K9G7W-	61.70 dBW	DIGITAL VOICE, AND DATA

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	
4188.0000 - 4189.0000 MHz	1K00G1D	TT&C
3945.0000 - 3955.0000 MHz	1K00G1D	TT&C
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
3600.0000 - 3629.0000 MHz	2M20G1D	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	NON	Communications Systems Monitoring & test Signals
3600.0000 - 3623.0000 MHz	300KFXN	Communications Systems Monitoring & test Signals
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	

SITE ID: REMOTE 2
LOCATION: 1,000 (1.8M ANTENNAS) CONUS

ANTENNA ID: 1.8M 1.8 meters ANDREW 183

14000.0000 - 14500.0000 MHz	169KG7W	58.50 dBW	DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	1M62G7W	58.50 dBW	DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	3M00G7W		DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	54M0G7W		DIGITAL AUDIO, VIDEO, AND DATA

SITE ID: ESV/6006
LOCATION: 400 (1.5 meters), CONUS

ANTENNA ID: 6006 1.5 meters SEATEL 6006

14000.0000 - 14500.0000 MHz	44K8G1W	40.00 dBW	SCPC USING QPSK AND BPSK MODULATION
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	151KG7W	45.30 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
14000.0000 - 14500.0000 MHz	194KG7W	46.40 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
14000.0000 - 14500.0000 MHz	291KG7W	48.10 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
14000.0000 - 14500.0000 MHz	388KG7W	49.10 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
14000.0000 - 14500.0000 MHz	445KG7W	49.10 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
14000.0000 - 14500.0000 MHz	452KG7W	49.10 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
14000.0000 - 14500.0000 MHz	81K0G7W	42.50 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
14000.0000 - 14500.0000 MHz	97K0G7W	43.40 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
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	54M0G7W		SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
11450.0000 - 12200.0000 MHz	81K0G7W		SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
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		SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS

10950.0000 - 11200.0000 MHz	81K0G7W		SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS

SITE ID: (L) Hub 14.2M
LOCATION: 2120 RIVER RD., NEW HAVEN, SOUTHBURY, CT
41 ° 27 ' 6.30 " N LAT. 73 ° 17 ' 16.40 " W LONG.

ANTENNA ID: (L)14.2M 14.2 meters TIW (L-band) DUAL

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	2K40G2D	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	300KFXN	70.00 dBW	Communications Systems Monitoring & test Signals
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	600KFXN		Communications Systems Monitoring & test Signals
1530.0000 - 1548.0000 MHz	NON		Communications Systems Monitoring & test Signals
1525.0000 - 1559.0000 MHz	2K40G2D		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: (Ku) Hub 14.2M
LOCATION: 2120 River Road, New Haven, Southbury, CT
41 ° 27 ' 6.30 " N LAT. 73 ° 17 ' 16.40 " W LONG.

ANTENNA ID: (Ku)14.2M 14.2 meters TIW 14.2M

SITE ID: Hub 1.2M(Ku)
LOCATION: 2120 River Road, New Haven, Southbury, CT
41 ° 27 ' 6.30 " N LAT. 73 ° 17 ' 16.40 " W LONG.

ANTENNA ID: (Hub)1.2M 1.2 meters PRODELIN 1123

14000.0000 - 14500.0000 MHz	36M0G7W	63.30 dBW	DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	64K0G7W	41.30 dBW	DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	169KG7W	55.30 dBW	DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	1M62G7W	55.30 dBW	DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	36M0G7W		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

SITE ID: ESV/4006
LOCATION: Operate up to 550 remotes (1.0M), CONUS

ANTENNA ID: 4006 1 meters SEATEL 4006

14000.0000 - 14500.0000 MHz	44K8G1W	34.40 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	717KG1W	46.40 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	89K6G1W	37.40 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	227KG7W	41.50 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	340KG7W	43.20 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	378KG7W	43.60 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION

14000.0000 - 14500.0000 MHz	454KG7W	44.50 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	908KG7W	47.40 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M40G7W	47.40 dBW	DVB/MFTDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	316KG7W	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	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
11450.0000 - 11200.0000 MHz	44K8G1W		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 11200.0000 MHz	717KG1W		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 11200.0000 MHz	89K6G1W		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
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: ESV/4996T

LOCATION: Operate up to 550 remotes (1.2M), CONUS

ANTENNA ID: 4996T 1.2 meters SEATEL 4996T

14000.0000 - 14500.0000 MHz	1M43G1W	51.10 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G1W	36.10 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	717KG1W	48.10 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	89K6G1W	39.10 dBW	SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	1M43G1W		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	717KG1W		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	89K6G1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	1M43G1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	717KG1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	89K6G1W		SCPC USING QPSK AND BPSK MODULATION

SITE ID: Hub (8.1M)
LOCATION: 2120 River Road, New Haven, Southbury, CT
41 ° 27 ' 6.30 " N LAT. 73 ° 17 ' 16.40 " W LONG.

ANTENNA ID: Vertex 8.1 8.1 meters VERTEX KPK

14000.0000 - 14500.0000 MHz	36M0F8W	80.14 dBW	ANALOG VIDEO
14000.0000 - 14500.0000 MHz	100KG7W	60.07 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	32K0G7W	55.13 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	36M0G7W	77.23 dBW	QPSK, DIGITAL DATA

14000.0000 - 14500.0000 MHz	42M0G7W	86.31 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	76K8G7W	58.93 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	9K00G7W	49.62 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	72M0G7W	88.55 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	36M0G7W	72.00 dBW	QPSK, DIGITAL TELEPHONY
14000.0000 - 14500.0000 MHz	1M60G1F	72.12 dBW	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
14000.0000 - 14500.0000 MHz	200KG1F	63.08 dBW	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
14000.0000 - 14500.0000 MHz	400KG1F	66.10 dBW	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
14000.0000 - 14500.0000 MHz	800KG1F	69.11 dBW	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
11700.0000 - 12200.0000 MHz	36M0F8W		ANALOG VIDEO
11700.0000 - 12200.0000 MHz	100KG7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	20M0G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	2M29G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	32K0G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	36M0G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	42M0G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	43K8G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	45K0G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	72M0G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	76K8G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	9K00G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	36M0G7W		QPSK, DIGITAL TELEPHONY

11700.0000 - 12200.0000 MHz	1M60G1F	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
11700.0000 - 12200.0000 MHz	200KG1F	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
11700.0000 - 12200.0000 MHz	400KG1F	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
11700.0000 - 12200.0000 MHz	800KG1F	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO

SITE ID: Remote 1.2m AVL

LOCATION: 1000 (1.2M ANTENNAS), CONUS

ANTENNA ID: AVL 1.2M 1.2 meters AVL 1.2M Ku-band

14000.0000 - 14500.0000 MHz	1M55G7W	55.10 dBW	DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	388KG7W	49.10 dBW	DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	3M10G7W	58.10 dBW	DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	64K0G7W	41.30 dBW	DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	776KG7W	52.10 dBW	DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
11700.0000 - 12200.0000 MHz	45M0G7W		DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
11700.0000 - 12200.0000 MHz	64K0G7W		DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
11450.0000 - 11700.0000 MHz	45M0G7W		DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
11450.0000 - 11700.0000 MHz	64K0G7W		DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	45M0G7W		DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION

10950.0000 - 11200.0000 MHz	64K0G7W		DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION

SITE ID: ESV/V110
LOCATION: 500 (1.05M ANTENNAS) CONUS

ANTENNA ID: V1110 1.05 meters INTELLIAN V110

14000.0000 - 14500.0000 MHz	194KG7W	42.40 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	1M36G7W	49.80 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	291KG7W	44.10 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	44K8G1W	36.00 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	582KG7W	47.10 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	679KG7W	47.80 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	776KG7W	48.40 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	970KG7W	49.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	97K0G7W	39.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

11450.0000 - 12200.0000 MHz	151KG7W	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	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	89K6G1W	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	2M60G7W	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: REMOTE 1
LOCATION: 1,000 (1.2M ANTENNAS) CONUS

ANTENNA ID:	1.2M	1.2 meters	ANDREW	123/124

SITE ID: REMOTE 3 (2.4M)
LOCATION: 500 (2.4M ANTENNAS) CONUS

ANTENNA ID:	2.4M	2.4 meters	ANDREW	243

14000.0000 - 14500.0000 MHz	169KG7W	61.20 dBW	DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	1M62G7W	61.20 dBW	DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	3M00G7W		DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	54M0G7W		DIGITAL AUDIO, VIDEO, AND DATA

SITE ID: REMOTE .75 M
LOCATION: 100 (.75 M antennas) CONUS

ANTENNA ID:	.75M	0.75 meters	VISIOSAT	VISIOSAT 75
14000.0000 - 14500.0000 MHz	1M52G7W	49.50 dBW		DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	342KG7W	43.00 dBW		DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	3M00G7W			DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	54M0G7W			DIGITAL AUDIO, VIDEO, AND DATA

SITE ID: REMOTE .90 M
LOCATION: 250 (.90 M antennas) CONUS

ANTENNA ID:	.90M	0.9 meters	VISIOSAT	VISIOSAT 90
14000.0000 - 14500.0000 MHz	1M52G7W	50.60 dBW		DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	342KG7W	44.10 dBW		DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	3M00G7W			DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	54M0G7W			DIGITAL AUDIO, VIDEO, AND DATA

SITE ID: REMOTE .96 M
LOCATION: 500 (.96 M antennas) CONUS

ANTENNA ID:	.96M	0.96 meters	ANDREW	TYPE 960
14000.0000 - 14500.0000 MHz	1M52G7W	51.70 dBW		DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	342KG7W	45.20 dBW		DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	3M00G7W			DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	54M0G7W			DIGITAL AUDIO, VIDEO, AND DATA

SITE ID: HUB 6.1 M
LOCATION: 2120 River Road, New Haven, Southbury, CT
41 ° 27 ' 6.30 " N LAT. 73 ° 17 ' 16.40 " W LONG.

ANTENNA ID:	(Hub)6.1M	6.1 meters	VERTEX	KPK
14000.0000 - 14500.0000 MHz	36M0F8W	80.14 dBW		ANALOG VIDEO
14000.0000 - 14500.0000 MHz	100KG7W	57.07 dBW		QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	20M0G7W	80.08 dBW		QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	2M29G7W	70.67 dBW		QPSK, DIGITAL DATA

14000.0000 - 14500.0000 MHz	32K0G7W	52.13 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	36M0G7W	76.93 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	43K8G7W	53.49 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	45K0G7W	53.61 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	76K8G7W	55.93 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	9K00G7W	46.62 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	36M0G7W	71.70 dBW	QPSK, DIGITAL TELEPHONY
14000.0000 - 14500.0000 MHz	1M60G1F	69.12 dBW	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
14000.0000 - 14500.0000 MHz	200KG1F	60.08 dBW	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
14000.0000 - 14500.0000 MHz	400KG1F	63.10 dBW	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
14000.0000 - 14500.0000 MHz	800KG1F	66.11 dBW	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
11700.0000 - 12200.0000 MHz	36M0F8W		ANALOG VIDEO
11700.0000 - 12200.0000 MHz	100KG7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	20M0G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	2M29G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	32K0G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	36M0G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	43K8G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	45K0G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	76K8G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	9K00G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	36M0G7W		QPSK, DIGITAL TELEPHONY
11700.0000 - 12200.0000 MHz	1M60G1F		PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
11700.0000 - 12200.0000 MHz	200KG1F		PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO

11700.0000 - 12200.0000 MHz	400KG1F		PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
11700.0000 - 12200.0000 MHz	800KG1F		PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO

SITE ID: ESV/4003A
LOCATION: Operate up to 550 remotes (1.0M), CONUS

ANTENNA ID: 4003A 1 meters SEATEL 4003A

14000.0000 - 14500.0000 MHz	44K8G1W	34.40 dBW	SPCP USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	538KG1W	45.20 dBW	SPCP USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	89K6G1W	37.40 dBW	SPCP 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
14000.0000 - 14500.0000 MHz	378KG7W	43.60 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	151KG7W		TDM/TDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W		SPCP USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	717KG1W		SPCP USING QPSK AND BPSK MODULATION

11450.0000 - 12200.0000 MHz	89K6G1W	SPCP 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	SPCP USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	717KG1W	SPCP USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	89K6G1W	SPCP 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: (Ku) ESVREMOTE .75M
LOCATION: Operate up to 500 remotes (.75M) US Internation water

ANTENNA ID: STLUSAT30 0.75 meters SEA TEL USAT-30

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: (Ku) ESV TTSAIL900
LOCATION: Operate up to 500 remotes (1.0M) US Internation water

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

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

Points of Communication:

(C-) Hub 14.2M - ALSAT - (ALSAT)

(C-) Hub 14.2M - INMARSAT 3F4 - (54 W.L.)

(C-) Hub 14.2M - INMARSAT 4F3 - (97.65 W.L.)

(C-) Hub 14.2M - INMARSAT Ltd-3 - (15.5 W.L.)

(C-) Hub 14.2M - INMARSAT-2 AOR-EAST - (17 W.L.)

(C-) Hub 14.2M - INMARSAT-2 AOR-WEST - (98 W.L.)

(C-) Hub 14.2M - MARISAT-F2 - (33.9 W.L.)

(Ku) ESV TTSAIL900 - ALSAT - (ALSAT)

(Ku) ESVREMOTE .75M - ALSAT - (ALSAT)

(Ku) Hub 14.2M - ALSAT - (ALSAT)

(Ku) Hub 14.2M - INMARSAT 3F4 - (54 W.L.)

(Ku) Hub 14.2M - INMARSAT Ltd-3 - (15.5 W.L.)

(Ku) Hub 14.2M - INMARSAT-2 AOR-EAST - (17 W.L.)

(Ku) Hub 14.2M - INMARSAT-2 AOR-WEST - (98 W.L.)

(Ku) Hub 14.2M - MARISAT-F2 - (33.9 W.L.)

(L) Hub 14.2M - INMARSAT 3F4 - (54 W.L.)

(L) Hub 14.2M - INMARSAT Ltd-3 - (15.5 W.L.)

(L) Hub 14.2M - INMARSAT-2 AOR-EAST - (17 W.L.)

(L) Hub 14.2M - INMARSAT-2 AOR-WEST - (98 W.L.)

(L) Hub 14.2M - ISAT List -

(L) Hub 14.2M - MARISAT-F2 - (33.9 W.L.)

ESV/4003A - ALSAT - (ALSAT)

ESV/4003A - GALAXY 10R - (123 W.L.)

ESV/4003A - INTELSAT 705 - (50 W.L.)

ESV/4006 - ALSAT - (ALSAT)

ESV/4006 - GALAXY 10R - (123 W.L.)

ESV/4006 - INTELSAT 705 - (50 W.L.)

ESV/4996T - ALSAT - (ALSAT)

ESV/4996T - GALAXY 10R - (123 W.L.)

ESV/4996T - INTELSAT 705 - (50 W.L.)

ESV/6006 - ALSAT - (ALSAT)

ESV/6006 - GALAXY 10R - (123 W.L.)

ESV/6006 - INTELSAT 705 - (50 W.L.)

ESV/V110 - ALSAT - (ALSAT)

Hub (8.1M) - ALSAT - (ALSAT)

Hub (8.1M) - INMARSAT 3F4 - (54 W.L.)

Hub (8.1M) - INMARSAT Ltd-3 - (15.5 W.L.)

Hub (8.1M) - INMARSAT-2 AOR-EAST - (17 W.L.)

Hub (8.1M) - INMARSAT-2 AOR-WEST - (98 W.L.)

Hub (8.1M) - MARISAT-F2 - (33.9 W.L.)

HUB 6.1 M - ALSAT - (ALSAT)

REMOTE .75 M - NSS-7 - (338.5 E.L.)

REMOTE .90 M - NSS-7 - (338.5 E.L.)

REMOTE .96 M - NSS-7 - (338.5 E.L.)

REMOTE 1 - ALSAT - (ALSAT)

Remote 1.2m AVL - ALSAT - (ALSAT)

REMOTE 2 - ALSAT - (ALSAT)

REMOTE 3 (2.4M) - ALSAT - (ALSAT)

SES-MOD-20120308-00250 E E3009 WPXI, INC.
Application for Modification 04/29/2011 - 04/29/2026
Grant of Authority Date Effective: 04/18/2012

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 49 HICKORY LANE-OFFICE, CAMBRIA, JOHNSTOWN, PA
40 ° 17 ' 44.00 " N LAT. 78 ° 56 ' 16.00 " W LONG.

ANTENNA ID: 1 5 meters COMTECH ANT. SYSTEMS INC. 847305-G2

3700.0000 - 4200.0000 MHz 25M0F8W VOICE AND DATA

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20120412-00361 E E000306 MCI Communications Services, Inc. (fka MCI WorldCom Communications, Inc.)
Renewal 04/17/2012 - 04/17/2027
Grant of Authority Date Effective: 04/19/2012

Class of Station: Fixed Earth Stations

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

SITE ID: ANDVME
LOCATION: RTE 120 494 ROXBURY POND RD., OXFORD, ANDOVER, ME
44 ° 38 ' 1.20 " N LAT. 70 ° 41 ' 51.30 " W LONG.

ANTENNA ID: AND-04A 21 meters DATRON 21M-4M

5925.0000 - 6425.0000 MHz	18M0F8W-	84.40 dBW	FDM/FM
5925.0000 - 6425.0000 MHz	36M0F8W	87.40 dBW	FDM/FM
5925.0000 - 6425.0000 MHz	2M05G7W-	75.00 dBW	DIGITAL VIDEO VOICE DATA
5925.0000 - 6425.0000 MHz	36M0G7W	87.40 dBW	DIGITAL VIDEO VOICE DATA
5925.0000 - 6425.0000 MHz	56K0G7W-	59.30 dBW	DIGITAL VIDEO VOICE DATA
5925.0000 - 6425.0000 MHz	72M0G7W	84.00 dBW	DIGITAL VIDEO VOICE DATA
5850.0000 - 5925.0000 MHz	18M0F8W-	84.40 dBW	FDM/FM
5850.0000 - 5925.0000 MHz	36MOF8W	87.40 dBW	FDM/FM
5850.0000 - 5925.0000 MHz	2M05G7W-	75.00 dBW	DIGITAL VIDEO VOICE DATA
5850.0000 - 5925.0000 MHz	36MOG7W	87.40 dBW	DIGITAL VIDEO VOICE DATA
5850.0000 - 5925.0000 MHz	56K0G7W-	59.30 dBW	DIGITAL VIDEO VOICE DATA
5850.0000 - 5925.0000 MHz	72M0G7W	84.00 dBW	DIGITAL VIDEO VOICE DATA
3700.0000 - 4200.0000 MHz	18M0F8W-		FDM/FM
3700.0000 - 4200.0000 MHz	36M0F8W		FDM/FM
3700.0000 - 4200.0000 MHz	2M05G7W-		DIGITAL VIDEO VOICE DATA
3700.0000 - 4200.0000 MHz	36M0G7W		DIGITAL VIDEO VOICE DATA
3700.0000 - 4200.0000 MHz	56K0G7W-		DIGITAL VIDEO VOICE DATA
3700.0000 - 4200.0000 MHz	72M0G7W		DIGITAL VIDEO VOICE DATA

3625.0000 - 3700.0000 MHz	18M0F8W-	FDM/FM
3625.0000 - 3700.0000 MHz	36M0F8W	FDM/FM
3625.0000 - 3700.0000 MHz	2M05G7W-	DIGITAL VIDEO VOICE DATA
3625.0000 - 3700.0000 MHz	36M0G7W	DIGITAL VIDEO VOICE DATA
3625.0000 - 3700.0000 MHz	56K0G7W-	DIGITAL VIDEO VOICE DATA
3625.0000 - 3700.0000 MHz	72M0G7W	DIGITAL VIDEO VOICE DATA

Points of Communication:

ANDVME - ALSAT - (ALSAT)

ANDVME - INTELSAT 805 - (304.5 E.L.)

ANDVME - INTELSAT AOR - (307.0 E.L.)

ANDVME - INTELSAT AOR - (310.0 E.L.)

ANDVME - INTELSAT AOR - (319.5 E.L.)

ANDVME - INTELSAT AOR - (325.5 E.L.)

ANDVME - INTELSAT AOR - (328.5 E.L.)

ANDVME - INTELSAT AOR - (328.6 E.L.)

ANDVME - INTELSAT AOR - (330.5 E.L.)

ANDVME - INTELSAT AOR - (332.5 E.L.)

ANDVME - INTELSAT AOR - (335.5 E.L.)

ANDVME - INTELSAT AOR - (338.7 E.L.)

ANDVME - INTELSAT AOR - (342.0 E.L.)

ANDVME - INTELSAT AOR - (359.0 E.L.)

SES-RWL-20120413-00363 E E4305 Alascom, Inc.

Renewal 05/21/2012 - 05/21/2027

Grant of Authority Date Effective: 04/19/2012

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: (CAPE YAKATAGA), YAKATAGA, AK

60 ° 4 ' 52.20 " N LAT. 142 ° 29 ' 6.50 " W LONG.

ANTENNA ID: 1 4.5 meters ANDREW CORPORATION ESA45-46

5925.0000 - 6425.0000 MHz	1M15G7W	59.20 dBW	QPSK, T1, ADPCM
3700.0000 - 4200.0000 MHz	1M15G7W		QPSK, T1, ADPCM

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20120413-00365 E E4307 Alascom, Inc.
Renewal 05/21/2012 - 05/21/2027
Grant of Authority Date Effective: 04/19/2012

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: SCAMMON BAY, AK
61 ° 50 ' 38.00 " N LAT. 165 ° 34 ' 37.00 " W LONG.

ANTENNA ID: 1 4.5 meters ANDREW CORPORATION ESA5-46A

5925.0000 - 6425.0000 MHz	30F90F9	47.90 dBW
5925.0000 - 6425.0000 MHz	30K0F3W	40.60 dBW
5925.0000 - 6425.0000 MHz	24K0G1D	40.60 dBW
5925.0000 - 6425.0000 MHz	86K4G1D	54.80 dBW
5925.0000 - 6425.0000 MHz	75K6G1D	54.20 dBW
5925.0000 - 6425.0000 MHz	53K3G1W	54.10 dBW
5925.0000 - 6425.0000 MHz	26K7G1W	51.10 dBW
5925.0000 - 6425.0000 MHz	13K3G1E	48.00 dBW
3700.0000 - 4200.0000 MHz	30F9	
3700.0000 - 4200.0000 MHz	30K0F3W	
3700.0000 - 4200.0000 MHz	24K0G1D	
3700.0000 - 4200.0000 MHz	86K4G1D	
3700.0000 - 4200.0000 MHz	75K6G1D	
3700.0000 - 4200.0000 MHz	53K3G1W	
3700.0000 - 4200.0000 MHz	26K7G1W	

3700.0000 - 4200.0000 MHz 13K3G1E

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20120413-00366 E E3032 Alascom, Inc.
Renewal 05/18/2012 - 05/18/2027
Grant of Authority Date Effective: 04/19/2012

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: SPINE ROAD (PRUDOE BAY E.S.), PRUDHOE BAY, AK
70 ° 15 ' 16.00 " N LAT. 148 ° 35 ' 58.00 " W LONG.

ANTENNA ID: 1 13 meters HARRIS 5270

5925.0000 - 6425.0000 MHz	1M77G7W	61.60 dBW	QPSK, VOICE AND DATA
5925.0000 - 6425.0000 MHz	439KF1D	58.50 dBW	QPSK, VOICE AND DATA
5925.0000 - 6425.0000 MHz	30K0F3E	59.30 dBW	SCPC, VOICE AND DATA
3700.0000 - 4200.0000 MHz	1M77G7W		QPSK, VOICE AND DATA
3700.0000 - 4200.0000 MHz	439KF1D		QPSK, VOICE AND DATA
3700.0000 - 4200.0000 MHz	30K0F3E		SCPC, VOICE AND DATA

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20120413-00367 E E4246 Alascom, Inc.
Renewal 05/07/2012 - 05/07/2027
Grant of Authority Date Effective: 04/23/2012

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

Ungranted renewal was placed on the actions taken public notice dated April 18, 2012, Report No. SES-01442 by mistake. Renewal has been granted and is being placed back on the actions taken public notice.

SITE ID: 1
LOCATION: OUZINKIE, AK
57 ° 55 ' 25.00 " N LAT. 152 ° 30 ' 5.00 " W LONG.

ANTENNA ID: 1 4.5 meters ANDREW CORPORATION MODEL ESA5-46A

5925.0000 - 6425.0000 MHz	24K0G1D	40.60 dBW
5925.0000 - 6425.0000 MHz	86K4G1D	54.80 dBW
5925.0000 - 6425.0000 MHz	75K6G1D	54.20 dBW
5925.0000 - 6425.0000 MHz	53K3G1W	54.10 dBW
5925.0000 - 6425.0000 MHz	26K7G1W	51.00 dBW
5925.0000 - 6425.0000 MHz	13K3G1E	36.60 dBW
5925.0000 - 6400.0000 MHz	30K0F3W	53.30 dBW
3700.0000 - 4200.0000 MHz	30K0F3W	
3700.0000 - 4200.0000 MHz	24K0G1D	
3700.0000 - 4200.0000 MHz	86K4G1D	
3700.0000 - 4200.0000 MHz	75K6G1D	
3700.0000 - 4200.0000 MHz	53K3G1W	
3700.0000 - 4200.0000 MHz	26K7G1W	
3700.0000 - 4200.0000 MHz	13K3G1E	

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20120413-00368 E E920274 Alascom, Inc.

Renewal 05/15/2012 - 05/15/2027

Grant of Authority Date Effective: 04/23/2012

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 28 MILES SOUTH OF CRAIG (NAUKATI/CRAIG), CRAIG, AK

55 ° 52 ' 21.70 " N LAT. 133 ° 12 ' 54.20 " W LONG.

ANTENNA ID: 1 4.5 meters ANDREW CORP. ESA45-46

5925.0000 - 6425.0000 MHz	1M15G7W	59.20 dBW	QPSK, T1, ADPCM
3700.0000 - 4200.0000 MHz	1M15G7W		QPSK, T1, ADPCM

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20120419-00375 E WQ98 CABLEVISION OF MONMOUTH LLC
Renewal 05/21/2012 - 05/21/2027
Grant of Authority Date Effective: 04/19/2012

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: MONMOUTH, WALL TOWNSHIP, NJ
40 ° 9 ' 59.00 " N LAT. 74 ° 3 ' 15.00 " W LONG.

ANTENNA ID: 1 5 meters SCIENTIFIC ATLANTA 8008B

3700.0000 - 4200.0000 MHz 36000F9

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20120419-00377 E E020027 CSC
Renewal 04/08/2012 - 04/08/2027
Grant of Authority Date Effective: 04/23/2012

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 15000 Conference Center Dr., Fairfax, Chantilly, VA
38 ° 52 ' 22.40 " N LAT. 77 ° 28 ' 0.00 " W LONG.

ANTENNA ID: 1 2.4 meters Prodelin Corp 2.4M

5991.0000 - 6425.0000 MHz 21K0G7D 29.30 dBW Digital Data

5925.0000 - 5958.0000 MHz 21K0G7D 29.30 dBW Digital Data

3700.0000 - 4200.0000 MHz 21K0G7D Digital Data

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20120420-00378 E E4289 CABLE ONE, INC.
Renewal 05/21/2012 - 05/21/2027
Grant of Authority Date Effective: 04/23/2012

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: BANNACK, POCATELLO, ID
42 ° 53 ' 19.00 " N LAT. 112 ° 27 ' 5.00 " W LONG.

ANTENNA ID: 1 4.5 meters ANDREW CORPORATION ESA5-4

3700.0000 - 4200.0000 MHz 36000F9

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20120423-00380 E E920225 Clark County School District
Renewal 05/01/2012 - 05/01/2027
Grant of Authority Date Effective: 04/23/2012

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 3050 EAST FLAMINGO ROAD, CLARK, LAS VEGAS, NV
36 ° 6 ' 56.30 " N LAT. 115 ° 6 ' 29.80 " W LONG.

ANTENNA ID: 1 6.1 meters VERTEX 6.1KPK

14000.0000 - 14500.0000 MHz	1M54G7D	62.50 dBW	DATA
14000.0000 - 14500.0000 MHz	30M0F8W	75.50 dBW	FULL-TRANSPONDER ANAOG VIDEO
14000.0000 - 14500.0000 MHz	15M0F8W	75.50 dBW	HALF-TRANSPONDER ANALOG VIDEO
14000.0000 - 14500.0000 MHz	15M0G7W	75.50 dBW	HALF-TRANSPONDER QPSK VIDEO AND DATA
14000.0000 - 14500.0000 MHz	30M0G7W	75.50 dBW	FULL-TRANSPONDER QPSK VIDEO AND DATA
11700.0000 - 12200.0000 MHz	1M54G7D		DATA
11700.0000 - 12200.0000 MHz	15M0F8W		HALF-TRANSPONDER ANALOG VIDEO
11700.0000 - 12200.0000 MHz	30M0F8W		FULL-TRANSPONDER ANAOG VIDEO
11700.0000 - 12200.0000 MHz	15M0G7W		HALF-TRANSPONDER QPSK VIDEO AND DATA
11700.0000 - 12200.0000 MHz	30M0G7W		FULL-TRANSPONDER QPSK VIDEO AND DATA

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20120423-00383 E KP59 MEDIACOM MINNESOTA LLC
Renewal 04/02/2012 - 04/02/2027
Grant of Authority Date Effective: 04/24/2012

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: LE SUEUR, ST. PETER, MN
44 ° 18 ' 31.00 " N LAT. 93 ° 55 ' 52.00 " W LONG.

ANTENNA ID: 1 5 meters SCIENTIFIC ATLANTA 8008B

3700.0000 - 4200.0000 MHz 36000F9

Points of Communication:

1 - ALSAT - (ALSAT)

SES-STA-20120405-00338 E E030051 Intelsat License LLC
Special Temporary Authority
Grant of Authority Date Effective: 04/24/2012

Class of Station:

"STA" is granted with conditions for a period of 18 days from April 24, 2012 through May 12, 2012, to utilize its Hagerstown, Maryland Ku-band earth station, E030051, to communicate in the frequency bands 13.75-14.0 GHz (uplink), 10.95-11.2 GHz (downlink) and 11.45-12.2 GHz (downlink) with the U.S.-licensed Telstar 11N satellite at 37.5 W.L.

Points of Communication:

SES-STA-20120419-00376 E E970336 SES Americom, Inc.
Special Temporary Authority
Grant of Authority Date Effective: 04/24/2012

Class of Station:

SES Americom, Inc. is granted extension of Special Temporary Authority (STA) for 60 days beginning April 24 to permit earth station E970336 to communicate with the Ciel 2 spacecraft in order to provide telemetry, tracking and control in the 17.3-17.8 GHz uplink and 12.2-12.7 downlink frequencies of the Ciel 2 space station at 128.85 WL under the following conditions.

Points of Communication:

Dismissal

SES-STA-20120411-00351 E120009 Intelsat License LLC

This STA request Extension has been dismissed as moot, due to underline application license SES-LIC-20120106-00020 has been granted.

SES-STA-20120416-00370 E970117 Life On The Way Communications, Inc.

This STA application is dismissed as moot, due to underlying application SES-LIC-20120210-00163 has been granted.

SES-STA-20120419-00373 KA313 Vizada, Inc.

This STA Application is dismissed as moot, due to underlying application SES-MOD-20111109-01345 has been granted.

INFORMATIVE

SES-RWL-20101208-01516	E010001	Calvary of Albuquerque, Inc.

Licensee has changed name only per letter filed on April 12, 2012.

SURRENDER

SES-RWL-20110825-00999	KL51	Cox Communications Kansas, LLC

License has been surrendered per letter filed on April 20, 2012.

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