



PUBLIC NOTICE

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Report No. SES-02498

Wednesday September 7, 2022

Satellite Communications Services Information

re: Actions Taken

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

SES-ASG-20220805-00857 E E201298 Cala Broadcast Partners LLC
Application for Consent to Assignment
Consummated

Date Effective: 08/05/2022

Current Licensee: Cala Broadcast Partners LLC
FROM: Cala Broadcast Partners LLC
TO: Imagicomm Greenwood, LLC

No. of Station(s) listed: 2

SES-ASG-20220805-00858 E E191015 Lost Coast Broadcasting LLC
Application for Consent to Assignment
Consummated

Date Effective: 08/05/2022

Current Licensee: Lost Coast Broadcasting LLC
FROM: Lost Coast Broadcasting LLC
TO: Imagicomm Alexandria, LLC

No. of Station(s) listed: 1

SES-ASG-20220805-00859 E E200145 Mountain Licenses, L.P.
Application for Consent to Assignment
Consummated

Date Effective: 08/05/2022

Current Licensee: Mountain Licenses, L.P.
FROM: Mountain Licenses, L.P.
TO: Imagicomm Spokane, LLC

No. of Station(s) listed: 1

SES-ASG-20220805-00860 E E200148 Stainless Broadcasting LP
Application for Consent to Assignment
Consummated Date Effective: 08/05/2022

Current Licensee: Stainless Broadcasting LP
FROM: Stainless Broadcasting LP
TO: Imagicomm Binghamton, LLC

No. of Station(s) listed: 1

SES-ASG-20220805-00861 E E200073 Bristlecone Broadcasting LLC
Application for Consent to Assignment
Consummated Date Effective: 08/31/2022

Current Licensee: Bristlecone Broadcasting LLC
FROM: Bristlecone Broadcasting, LLC
TO: Imagicomm Syracuse, LLC

No. of Station(s) listed: 1

This application was granted on August 31, 2022, with the incorrect consummation date of August 31, 2022, instead of the correct consummation date of August 5, 2022 as filed.

SES-ASG-20220805-00862 E E190933 Idaho Broadcast Partners LLC
Application for Consent to Assignment
Consummated Date Effective: 08/05/2022

Current Licensee: Idaho Broadcast Partners LLC
FROM: Idaho Broadcast Partners, LLC
TO: Imagicomm Idaho Falls, LLC

No. of Station(s) listed: 1

SES-ASG-20220805-00863 E E150126 Cox Television Tulsa, LLC
Application for Consent to Assignment
Consummated Date Effective: 08/05/2022

Current Licensee: Cox Television Tulsa, LLC
FROM: Cox Television Tulsa, LLC
TO: Imagicomm Tulsa, LLC

No. of Station(s) listed: 1

SES-ASG-20220808-00866 E E181322 WHBQ Memphis, LLC
Application for Consent to Assignment
Consummated Date Effective: 08/08/2022

Current Licensee: WHBQ Memphis, LLC
FROM: WHBQ Memphis, LLC
TO: Imagicomm Memphis, LLC

No. of Station(s) listed: 1

SES-ASG-20220809-00867 E E200023 Broadcasting Licenses, Limited Partnership
Application for Consent to Assignment
Consummated Date Effective: 08/05/2022

Current Licensee: Broadcasting Licenses, Limited Partnership
FROM: Broadcasting Licenses, Limited Partnership
TO: Imagicomm Medford, LLC

No. of Station(s) listed: 1

SES-ASG-20220815-00882 E E200254 Redwood Television Partners LLC
Application for Consent to Assignment
Consummated Date Effective: 08/05/2022

Current Licensee: Redwood Television Partners LLC
FROM: Redwood Television Partners LLC
TO: Imagicomm Eureka, LLC

No. of Station(s) listed: 1

SES-LIC-20200221-00177 E E200627 Infosec Dev Corps
Application for Authority
Returned No Action Date Effective: 09/06/2022

Class of Station: Mobile Earth Station

Nature of Service: Satellite Digital Audio Radio Service

Points of Communication:

SES-LIC-20201022-01158 E E040368 Denali 20020, LLC
Application for Authority 09/01/2022 - 09/01/2037
Grant of Authority Date Effective: 09/01/2022

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

Denali 20020, LLC's license application is granted. All operating parameters will remain unchanged from that which was previously licensed under SES-MOD-20150410-00210 (expired), with the exception of the addition of the uplink spectrum of 13750 -14000 MHz.

SITE ID: 1
LOCATION: 11 EDSALL DRIVE, Sussex, VERNON VALLEY, NJ
41 ° 12 ' 10.00 " N LAT. 74 ° 31 ' 9.00 " W LONG.

ANTENNA ID:	11.3	11.3 meters	Viasat	8016A
	14000.0000 - 14500.0000 MHz	8M00G7W	81.30 dBW	Digital Data Carrier
	14000.0000 - 14500.0000 MHz	36M0G7W	85.00 dBW	Digital Video Carrier
	13779.0000 - 14000.0000 MHz	8M00G7W	81.30 dBW	Digital Data Carrier
	13772.0000 - 13778.0000 MHz	6M00G7W	71.90 dBW	Digital Video Carrier
	13750.0000 - 13771.0000 MHz	8M00G7W	81.30 dBW	Digital Data Carrier
	10950.0000 - 11200.0000 MHz	6M00G7W		Digital Data Carrier
	11450.0000 - 12200.0000 MHz	6M00G7W		Digital Data Carrier
	10950.0000 - 11200.0000 MHz	8M00G7W		Digital Data Carrier
	11450.0000 - 12200.0000 MHz	8M00G7W		Digital Data Carrier

11450.0000 - 12200.0000 MHz	72M0G7W		Digital Data Carrier
11450.0000 - 12200.0000 MHz	64K0G7W		Digital Data Carrier
11450.0000 - 12200.0000 MHz	21M0G7W		Digital Data Carrier
10950.0000 - 11200.0000 MHz	72M0G7W		Digital Data Carrier
10950.0000 - 11200.0000 MHz	64K0G7W		Digital Data Carrier
10950.0000 - 11200.0000 MHz	21M0G7W		Digital Data Carrier
ANTENNA ID: K23	6.1 meters	Vertex	6.1 meter
10950.0000 - 11200.0000 MHz	64K0G7W		Digital Data Carrier
11450.0000 - 12200.0000 MHz	64K0G7W		Digital Data Carrier
10950.0000 - 11200.0000 MHz	72M0G7W		Digital Data Carrier
11450.0000 - 12200.0000 MHz	72M0G7W		Digital Data Carrier
14000.0000 - 14500.0000 MHz	64K0G7W	54.90 dBW	Digital Data Carrier
14000.0000 - 14500.0000 MHz	72M0G7W	85.40 dBW	Digital Data Carrier
14000.0000 - 14500.0000 MHz	64K0G7W	54.90 dBW	Digital Data Carrier
13779.0000 - 14000.0000 MHz	72M0G7W	85.00 dBW	Digital Data Carrier
13750.0000 - 14000.0000 MHz	72M0G7W	82.90 dBW	Digital Data Carrier
13750.0000 - 14000.0000 MHz	21M0G7W	74.49 dBW	Digital Data Carrier
13750.0000 - 13771.0000 MHz	21M0G7W	80.10 dBW	Digital Data Carrier
11450.0000 - 12200.0000 MHz	72M0G7W		Digital Data Carrier
11450.0000 - 12200.0000 MHz	64K0G7W		Digital Data Carrier
11450.0000 - 12200.0000 MHz	21M0G7W		Digital Data Carrier
10950.0000 - 11200.0000 MHz	72M0G7W		Digital Data Carrier
10950.0000 - 11200.0000 MHz	64K0G7W		Digital Data Carrier
10950.0000 - 11200.0000 MHz	21M0G7W		Digital Data Carrier

Points of Communication:

1 - PERMITTED LIST - ()

1 - SES-4 (S2828) - (22.0 W.L.)

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

SES-MOD-20190207-00084 E E100088 O3b Limited

Application for Modification

09/25/2012 - 09/25/2027

Grant of Authority

Date Effective: 08/31/2022

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

O3b Limited's modification application, SES-MOD-20190207-00084, granted in part and deferred in part on 11/26/19. O3b has since certified that it has completed coordination of its planned operations in the 29.1-29.3 GHz and 19.4-19.6 GHz bands with Iridium pursuant to Sections 25.203(k) and 25.250 of the Commission's rules, 47 CFR §§ 25.203(k) and 25.250. Accordingly, this application has now been granted in full and the license has been re-issued.

SITE ID: 1

LOCATION: 58-350 Kamehameha Hwy (Hawaii Gateway), Honolulu, Haleiwa, HI

21 ° 40 ' 17.80 " N LAT.

158 ° 1 ' 54.90 " W LONG.

ANTENNA ID:	Ant 1-4	7.3 meters	Viasat	MEO7
	29087.8000 - 29089.1000 MHz	500KG2D	85.14 dBW	TT&C
	28600.0000 - 29100.0000 MHz	307KG7D	52.29 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
	28600.0000 - 29100.0000 MHz	40M0G7D	87.29 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
	28600.0000 - 29100.0000 MHz	216MG7D	87.29 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
	27600.0000 - 28400.0000 MHz	307KG7D	52.29 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
	27600.0000 - 28400.0000 MHz	216MX7D	87.29 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
	19296.2000 - 19299.9000 MHz	300KG1D	0.00 dBW	TT&C
	18800.0000 - 19300.0000 MHz	307KG7D	0.00 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
	18800.0000 - 19300.0000 MHz	40M0G7D	0.00 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
	18800.0000 - 19300.0000 MHz	216MG7D	0.00 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
	17800.0000 - 18600.0000 MHz	307KG7D	0.00 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link

17800.0000 - 18600.0000 MHz	216MG7D	0.00 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
29500.0000 - 30000.0000 MHz	40M0G7D	79.00 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
29500.0000 - 30000.0000 MHz	216MG7D	79.00 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
29100.0000 - 29500.0000 MHz	216MG7D	78.00 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
28400.0000 - 28600.0000 MHz	40M0G7D	75.00 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
28400.0000 - 28600.0000 MHz	216MG7D	75.00 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
27500.0000 - 27600.0000 MHz	40M0G7D	72.00 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
27500.0000 - 27600.0000 MHz	216MG7D	72.00 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
19700.0000 - 20200.0000 MHz	40M0G7D		DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
19700.0000 - 20200.0000 MHz	216MG7D		DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
19300.0000 - 19700.0000 MHz	216MG7D		DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link

Points of Communication:

1 - O3B-A (S2935) - (NGSO)

SES-MOD-20210217-00352 E E990336 GCL Licensee LLC
Application for Modification 06/23/2010 - 06/23/2025
Grant of Authority Date Effective: 09/02/2022

Class of Station: Fixed Earth Stations

Nature of Service: Mobile Satellite Service

SITE ID: LPMA-2
LOCATION: Road 303 INT. Km12.1 Las Palmas, Caba Rojo, Cabo Rojo, PR
17 ° 58 ' 49.00 " N LAT. 67 ° 8 ' 14.00 " W LONG.

ANTENNA ID: LPA RFT2	6 meters	COBHAN SATCOM	SEATELTRACKER T6000
6900.0000 - 7055.0000 MHz	1M23G7W		FEEDER LINK & TELEMETRY - CDMA 1.23 MC/SEC/QPSK
6900.0000 - 7055.0000 MHz	1M23G7W		CDMA VOICE AND DATA

6900.0000 - 7055.0000 MHz	NON		UNMODULATED CW FOR TESTING
6900.0000 - 7055.0000 MHz	1M23XXX		WHITE NOISE MODULATED CARRIER FOR TESTING
6900.0000 - 7055.0000 MHz	1M23G2W		DIRECT-SEQUENCE CDMA FOR SINGLE-CARRIER AMSS
6900.0000 - 7055.0000 MHz	2M50G2D		DIRECT-SEQUENCE CDMA FOR SINGLE-CARRIER TELEMETRY DATA
6900.0000 - 7055.0000 MHz	2M46G7W		WIDEBAND CDMA VOICE AND DATA
6900.0000 - 7055.0000 MHz	2M46G2W		WIDEBAND CDMA FOR SINGLE-CARRIER AMSS
5096.0000 - 5250.0000 MHz	1M23G7W	55.00 dBW	CDMA VOICE AND DATA
5096.0000 - 5250.0000 MHz	1M23XXX	59.00 dBW	WHITE NOISE MODULATED CARRIER FOR TESTING
5096.0000 - 5250.0000 MHz	1M23G2W	55.00 dBW	DIRECT-SEQUENCE CDMA FOR SINGLE-CARRIER AMSS
5096.0000 - 5250.0000 MHz	NON	59.00 dBW	UNMODULATED CW FOR TESTING; MAXIMUM EIRP DENSITY PER CARRIER IS 59.0 dBW IN ANY BANDWIDTH.
5096.0000 - 5250.0000 MHz	2M46G7W	55.00 dBW	WIDEBAND CDMA VOICE AND DATA
5096.0000 - 5250.0000 MHz	2M46G2W	55.00 dBW	WIDEBAND CDMA FOR SINGLE-CARRIER AMSS
5091.0000 - 5250.0000 MHz	1M23G7W	55.00 dBW	FEEDER LINK & TELEMETRY - CDMA 1.23 MC/SEC/QPSK
6900.0000 - 7055.0000 MHz	2M50G7D		DIRECT-SEQUENCE CDMA FOR SINGLE-CARRIER TELEMETRY DATA
5096.0000 - 5250.0000 MHz	4M50G7D	72.20 dBW	Burst mode packet data with BPSK modulation
6900.0000 - 7055.0000 MHz	230KG7D		Burst mode packet data with BPSK modulation
6900.0000 - 7055.0000 MHz	280KG7D		Burst mode packet data with BPSK modulation
6900.0000 - 7055.0000 MHz	200KG7D		Burst mode packet data with BPSK modulation

Points of Communication:

LPMA-2 - GLOBALSTAR (S2115) - (NGSO)

LPMA-2 - GLOBALSTAR 2.0 - (NGSO)

SES-MOD-20210303-00414 E E050345 GUSA Licensee LLC

Application for Modification

01/04/2022 - 01/04/2037

Grant of Authority

Date Effective: 09/01/2022

Class of Station: Fixed Earth Stations

Nature of Service: Mobile Satellite Service

SITE ID: 1

LOCATION: 1301 W. WINTER CT. (WSLA-3), Matanuska-Susitna, Wasilla, AK

61 ° 35 ' 24.90 " N LAT.

149 ° 29 ' 9.60 " W LONG.

ANTENNA ID:	WSL RFT3	6 meters	COBHAM SATCOM	SEATEL TRACKER T6000
6875.0000 - 7055.0000 MHz		2M50G2D		Direct-sequence CDMA for single-carrier telemetry data
6875.0000 - 7055.0000 MHz		1M23G7W		CDMA voice and data
6875.0000 - 7055.0000 MHz		NON		Unmodulated CW for testing
6875.0000 - 7055.0000 MHz		2M46G7W		Wideband CDMA voice and data
6875.0000 - 7055.0000 MHz		2M46G2W		Wideband CDMA for single-carrier AMSS
6875.0000 - 7055.0000 MHz		1M23XXX		White-noise-modulated carrier for testing
6875.0000 - 7055.0000 MHz		1M23G2W		Direct-sequence CDMA for single-carrier AMSS
5096.0000 - 5250.0000 MHz		NON	59.00 dBW	Unmodulated CW for testing; maximum EIRP density per carrier is 59.0 dBW in any bandwidth.
5096.0000 - 5250.0000 MHz		1M23XXX	59.00 dBW	White noise modulated carrier for testing
5096.0000 - 5250.0000 MHz		1M23G7W	55.00 dBW	CDMA voice and data
5096.0000 - 5250.0000 MHz		2M46G7W	55.00 dBW	Wideband CDMA voice and data
5096.0000 - 5250.0000 MHz		2M46G2W	55.00 dBW	Wideband CDMA for single-carrier AMSS
5096.0000 - 5250.0000 MHz		1M23XXX	59.00 dBW	White-noise-modulated carrier for testing
5096.0000 - 5250.0000 MHz		1M23G2W	55.00 dBW	Direct-sequence CDMA for single-carrier AMSS
5096.0000 - 5250.0000 MHz		4M50G7D	72.20 dBW	Burst mode packet data with π/2-BPSK modulation

6900.0000 - 7055.0000 MHz	2M50G2D	Direct-sequence CDMA for single-carrier telemetry data
6900.0000 - 7055.0000 MHz	1M23G2W	Direct-sequence CDMA for single-carrier AMSS
6900.0000 - 7055.0000 MHz	280KG7D	Burst mode packet data with BPSK modulation
6900.0000 - 7055.0000 MHz	230KG7D	Burst mode packet data with BPSK modulation
6900.0000 - 7055.0000 MHz	200KG7D	Burst mode packet data with BPSK modulation
6900.0000 - 7055.0000 MHz	1M23XXX	White noise modulated carrier for testing
6900.0000 - 7055.0000 MHz	2M46G2W	Wideband CDMA for single-carrier AMSS
6900.0000 - 7055.0000 MHz	2M46G7W	Wideband CDMA voice and data
6900.0000 - 7055.0000 MHz	NON	Unmodulated CW for testing
6900.0000 - 7055.0000 MHz	1M23G7W	CDMA voice and data

Points of Communication:

1 - GLOBALSTAR (S2115) - (NGSO)

1 - GLOBALSTAR 2.0 - (NGSO)

SES-MOD-20210303-00415 E E050346 GUSA Licensee LLC 01/04/2022 - 01/04/2037
Application for Modification Date Effective: 09/01/2022
Grant of Authority

Class of Station: Fixed Earth Stations

Nature of Service: Mobile Satellite Service

SITE ID: 1
LOCATION: 1301 W. Winter Ct. (WSLA-2), Matanuska-Susitna, Wasilla, AK
61 ° 35 ' 24.10 " N LAT. 149 ° 29 ' 6.00 " W LONG.

ANTENNA ID: WSL RFT2 6 meters COBHAM SATCOM SEATEL TRACKER T6000		
6875.0000 - 7055.0000 MHz	2M50G2D	Direct-sequence CDMA for single-carrier telemetry data
6875.0000 - 7055.0000 MHz	1M23G2W	Direct-sequence CDMA for single-carrier AMSS
6875.0000 - 7055.0000 MHz	1M23G7W	CDMA voice and data
6875.0000 - 7055.0000 MHz	NON	Unmodulated CW for testing

6875.0000 - 7055.0000 MHz	2M46G7W		Wideband CDMA voice and data
6875.0000 - 7055.0000 MHz	2M46G2W		Wideband CDMA for single-carrier AMSS
6875.0000 - 7055.0000 MHz	1M23XXX		White-noise-modulated carrier for testing
5096.0000 - 5250.0000 MHz	N0N	59.00 dBW	Unmodulated CW for testing; maximum EIRP density per carrier is 59.0 dBW in any bandwidth.
5096.0000 - 5250.0000 MHz	1M23XXX	59.00 dBW	White noise modulated carrier for testing
5096.0000 - 5250.0000 MHz	1M23G7W	55.00 dBW	CDMA voice and data: QPSK waveform consists of multiple direct-sequence spread-spectrum 1.23 Mchip/sec channels whose carriers are uniformly spaced.
5096.0000 - 5250.0000 MHz	1M23G2W	55.00 dBW	Direct-sequence CDMA for single-carrier AMSS
5096.0000 - 5250.0000 MHz	1M23G7W	55.00 dBW	CDMA voice and data
5096.0000 - 5250.0000 MHz	2M46G7W	55.00 dBW	Wideband CDMA voice and data
5096.0000 - 5250.0000 MHz	1M23XXX	59.00 dBW	White noise modulated carrier for testing
5096.0000 - 5250.0000 MHz	1M23G2W	55.00 dBW	Direct-sequence CDMA for single-carrier AMSS
5096.0000 - 5250.0000 MHz	NON	59.00 dBW	Unmodulated CW for testing; maximum EIRP density per carrier is 59.0 dBW in any bandwidth.
5096.0000 - 5250.0000 MHz	2M46G2W	55.00 dBW	Wideband CDMA for single-carrier AMSS
6900.0000 - 7055.0000 MHz	2M50G2D		Direct-sequence CDMA for single-carrier telemetry data
6900.0000 - 7055.0000 MHz	1M23G2W		Direct-sequence CDMA for single-carrier AMSS
6900.0000 - 7055.0000 MHz	280KG7D		Burst mode packet data with BPSK modulation
6900.0000 - 7055.0000 MHz	230KG7D		Burst mode packet data with BPSK modulation
6900.0000 - 7055.0000 MHz	200KG7D		Burst mode packet data with BPSK modulation
6900.0000 - 7055.0000 MHz	1M23XXX		White noise modulated carrier for testing
6900.0000 - 7055.0000 MHz	2M46G2W		Wideband CDMA for single-carrier AMSS

6900.0000 - 7055.0000 MHz	2M46G7W		Wideband CDMA voice and data
6900.0000 - 7055.0000 MHz	NON		Unmodulated CW for testing
6900.0000 - 7055.0000 MHz	1M23G7W		CDMA voice and data
5096.0000 - 5250.0000 MHz	4M50G7D	72.20 dBW	Burst mode packet data with π/2-BPSK modulation

Points of Communication:

1 - GLOBALSTAR (S2115) - (NGSO)

1 - GLOBALSTAR 2.0 - (NGSO)

SES-MOD-20220511-00475 E E000035 SageNet LLC

Application for Modification

07/12/2010 - 07/12/2025

Grant of Authority

Date Effective: 09/06/2022

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: REMOTE 2TF

LOCATION: .75 M (500,000 UNITS), CONUS,AK,HI,PR,VI

ANTENNA ID:	0.75M TF	0.75 meters	ASC SIGNAL	TMC 75E
	14000.0000 - 14500.0000 MHz	100KG7D	40.90 dBW	38.4 KBPS, 1/2 RATE FEC, DPSK MODULATION (BPSK VARIANT), 100 KHZ BANDWIDTH, DIGITAL CARRIER
	14000.0000 - 14500.0000 MHz	60K0G7D	35.50 dBW	DIGITAL DATA WITH VARIOUS MODULATION, DATA RATES AND INFORMATION TYPE
	14000.0000 - 14500.0000 MHz	200KG7D	40.90 dBW	76.8 KBPS, 1/2 RATE FEC, DPSK MODULATION (BPSK VARIANT), 200 KHZ BANDWIDTH, DIGITAL CARRIER
	14000.0000 - 14500.0000 MHz	120KG7D	38.50 dBW	76.8 KBPS, 1/2 RATE FEC, MSK MODULATION (QPSK VARIANT), 120 KHZ BANDWIDTH, DIGITAL CARRIER
	14000.0000 - 14500.0000 MHz	400KG7D	44.22 dBW	153.6KBPS, 1/2 RATE FEC, DPSK MODULATION (BPSK VARIANT), 400 KHZ BANDWIDTH, DIGITAL CARRIER
	14000.0000 - 14500.0000 MHz	240KG7D	38.50 dBW	153.6 KBPS, 1/2 RATE FEC, MSK MODULATION (QPSK VARIANT), 240 KHZ BANDWIDTH, DIGITAL CARRIER

14000.0000 - 14500.0000 MHz	800KG7D	44.52 dBW	307.2 KBPS, 1/2 RATE FEC, DPSK MODULATION (BPSK VARIANT), 800 KHZ BANDWIDTH, DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	480KG7D	38.50 dBW	307.2 KBPS, 1/2 RATE FEC, MSK MODULATION (QPSK VARIANT), 480 KHZ BANDWIDTH, DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	48K0G7D	44.50 dBW	BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER
14000.0000 - 14500.0000 MHz	160KG7D	38.50 dBW	BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER
14000.0000 - 14500.0000 MHz	1M20G7D	44.52 dBW	BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER
14000.0000 - 14500.0000 MHz	242KG7D	41.50 dBW	BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER
14000.0000 - 14500.0000 MHz	2M20G7D	44.52 dBW	DIGITAL DATA WITH VARIOUS MODULATION, DATA RATES AND INFORMATION TYPE
14000.0000 - 14500.0000 MHz	598KG7D	44.50 dBW	BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER
14000.0000 - 14500.0000 MHz	298KG7D	41.50 dBW	BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER
11700.0000 - 12200.0000 MHz	425KG7D		128 KBPS, 1/2 RATE FEC, BPSK MODULATION, 425 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	400KG7D		DIGITAL DATA WITH VARIOUS MODULATION, DATA RATES AND INFORMATION TYPE
11700.0000 - 12200.0000 MHz	800KG7D		256 KBPS, 1/2 RATE FEC, BPSK MODULATION, 800 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	600KG7D		384 KBPS, 1/2 RATE FEC, QPSK MODULATION, 600 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	1M20G7D		384 KBPS, 1/2 RATE FEC, BPSK MODULATION, 1,200 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	800KG7D		512 KBPS, 1/2 RATE FEC, QPSK MODULATION, 800 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	1M60G7D		512 KBPS, 1/2 RATE FEC, BPSK MODULATION, 1,600 KHZ BANDWIDTH, DIGITAL CARRIER

11700.0000 - 12200.0000 MHz	1M20G7D	768 KBPS, 1/2 RATE FEC, QPSK MODULATION, 1,200 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	24M0G7D	768 KBPS, 1/2 RATE FEC, BPSK MODULATION, 2,400 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	1M60G7D	1,024 KBPS, 1/2 RATE FEC, QPSK MODULATION, 1,600 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	3M20G7D	1,024 KBPS, 1/2 RATE FEC, BPSK MODULATION, 3,200 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	2M40G7D	1,536 KBPS, 1/2 RATE FEC, QPSK MODULATION, 2,400 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	4M80G7D	1,536 KBPS, 1/2 RATE FEC, BPSK MODULATION, 4,800 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	3M20G7D	2,048 KBPS, 1/2 RATE FEC, QPSK MODULATION, 3,200 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	6M40G7D	2,048 KBPS, 1/2 RATE FEC, BPSK MODULATION, 6,400 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	6M10G7D	3,500 KSPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 6,100 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	8M10G7D	6,000 KSPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 8,100 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	10M8G7D	8,000 KSPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 10,800 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	16M2G7D	12,000 KSPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 16,200 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	21M6G7D	16,000 KSPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 21,600 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	36M0G7D	26,700 KSPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 36,000 KHZ BANDWIDTH, DIGITAL CARRIER

11700.0000 - 12200.0000 MHz	43M2G7D			32,000 KSPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 43,200 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	54M0G7D			DIGITAL DATA WITH VARIOUS MODULATION, DATA RATES AND INFORMATION TYPE
SITE ID: Remote TF 75E				
LOCATION: .75 M (10,000 UNITS), CONUS,AK,HI,PR,VI				
ANTENNA ID: TF 75E	0.75 meters	ANDREW		75E
14000.0000 - 14500.0000 MHz	60K0G7D	35.50 dBW		DIGITAL DATA WITH VARIOUS MODULATION, DATA RATES AND INFORMATION TYPE
14000.0000 - 14500.0000 MHz	120KG7D	38.50 dBW		76.8 KBPS, 1/2 RATE FEC, MSK MODULATION (QPSK VARIANT), 120 KHZ BANDWIDTH DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	100KG7D	35.47 dBW		38.4 KBPS, 1/2 RATE FEC, MSK MODULATION (QPSK VARIANT), 100 KHZ BANDWIDTH DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	200KG7D	38.20 dBW		76.8 KBPS, 1/2 RATE FEC, DPSK MODULATION (BPSK VARIANT), 200 KHZ BANDWIDTH DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	240KG7D	38.50 dBW		153.6 KBPS, 1/2 RATE FEC, MSK MODULATION (QPSK VARIANT), 240 KHZ BANDWIDTH DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	400KG7D	38.20 dBW		153.6 KBPS, 1/2 RATE FEC, DPSK MODULATION (BPSK VARIANT), 400 KHZ BANDWIDTH DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	480KG7D	38.50 dBW		307.2 KBPS, 1/2 RATE FEC, MSK MODULATION (QPSK VARIANT), 480 KHZ BANDWIDTH DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	800KG7D	38.50 dBW		307.2 KBPS, 1/2 RATE FEC, BPSK MODULATION (BPSK VARIANT), 800 KHZ BANDWIDTH DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	160KG7D	38.50 dBW		BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER
14000.0000 - 14500.0000 MHz	1M20G7D	44.52 dBW		BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER
14000.0000 - 14500.0000 MHz	242KG7D	41.50 dBW		BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER

14000.0000 - 14500.0000 MHz	298KG7D	41.50 dBW	BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER
14000.0000 - 14500.0000 MHz	2M20G7D	44.50 dBW	DIGITAL DATA WITH VARIOUS MODULATION, DATA RATES AND INFORMATION TYPE
14000.0000 - 14500.0000 MHz	4M80G7D	44.50 dBW	BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER
14000.0000 - 14500.0000 MHz	598KG7D	44.50 dBW	BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER
14000.0000 - 14500.0000 MHz	100KG7D	38.80 dBW	BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	1M20G7D	44.52 dBW	BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	200KG7D	41.80 dBW	BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	2M20G7D	44.52 dBW	BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	300KG7D	42.10 dBW	BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	400KG7D	44.22 dBW	BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	800KG7D	44.52 dBW	BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	400KG7D		256 KBPS, 1/2 RATE FEC, QPSK MODULATION, 400 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	425KG7D		128 KBPS, 1/2 RATE FEC, BPSK MODULATION, 425 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	600KG7D		384 KBPS, 1/2 RATE FEC, QPSK MODULATION, 600 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	800KG7D		256 KBPS, 1/2 RATE FEC, BPSK MODULATION, 800 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	800KG7D		512 KBPS, 1/2 RATE FEC, QPSK MODULATION, 800 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	1M20G7D		384 KBPS, 1/2 RATE FEC, BPSK MODULATION, 1,200 KHZ BANDWIDTH DIGITAL CARRIER

11700.0000 - 12200.0000 MHz	1M20G7D	768 KBPS, 1/2 RATE FEC, QPSK MODULATION, 1,200 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	1M60G7D	512 KBPS, 1/2 RATE FEC, BPSK MODULATION, 1,600 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	24M0G7D	768 KBPS, 1/2 RATE FEC, BPSK MODULATION, 2,400 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	1M60G7D	1,024 KBPS, 1/2 RATE FEC, QPSK MODULATION, 1,600 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	2M40G7D	1,536 KBPS, 1/2 RATE FEC, QPSK MODULATION, 2,400 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	3M20G7D	1,024 KBPS, 1/2 RATE FEC, BPSK MODULATION, 3,200 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	3M20G7D	2,048 KBPS, 1/2 RATE FEC, QPSK MODULATION, 3,200 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	4M80G7D	1,536 KBPS, 1/2 RATE FEC, BPSK MODULATION, 4,800 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	6M40G7D	2,048 KBPS, 1/2 RATE FEC, BPSK MODULATION, 6,400 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	6M10G7D	3,500 KBPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 6,100 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	8M10G7D	6,000 KBPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 8,100 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	10M8G7D	8,000 KBPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 10,800 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	16M2G7D	12,000 KBPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 16,200 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	21M6G7D	16,000 KBPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 21,600 KHZ BANDWIDTH DIGITAL CARRIER

11700.0000 - 12200.0000 MHz	36M0G7D		26,700 KBPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 36,000 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	43M2G7D		32,000 KBPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 43,200 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	54M0G7D		DIGITAL DATA WITH VARIOUS MODULATION, DATA RATES AND INFORMATION TYPE
11700.0000 - 12200.0000 MHz	26M0G7D		BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	6M40G7D		BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	16M2G7D	0.00 dBW	BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	1M60G7D		BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	3M20G7D		BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	400KG7D		DIGITAL DATA WITH VARIOUS MODULATION, DATA RATES AND INFORMATION TYPE
11700.0000 - 12200.0000 MHz	800KG7D		BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER

SITE ID: Remote 2
LOCATION: .75M-F (100,000 UNITS), CONUS,AK,HI,PR,VI

ANTENNA ID:	0.75M-F	0.75 meters	ASC SIGNAL	TMC 75E
14000.0000 - 14500.0000 MHz	100KG7D	39.10 dBW		DIGITAL DATA WITH VARIOUS MODULATION, DATA RATES AND INFORMATION TYPE
14000.0000 - 14500.0000 MHz	1M20G7D	44.80 dBW		BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	200KG7D	42.10 dBW		BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	2M20G7D	44.80 dBW		DIGITAL DATA WITH VARIOUS MODULATION, DATA RATES AND INFORMATION TYPE
14000.0000 - 14500.0000 MHz	300KG7D	42.10 dBW		BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER

14000.0000 - 14500.0000 MHz	400KG7D	44.80 dBW	BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	800KG7D	44.80 dBW	BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	6M40G7D		BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	16M2G7D		BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	1M60G7D		BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	26M0G7D		DIGITAL DATA WITH VARIOUS MODULATION, DATA RATES AND INFORMATION TYPE
11700.0000 - 12200.0000 MHz	3M20G7D		BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	400KG7D		DIGITAL DATA WITH VARIOUS MODULATION, DATA RATES AND INFORMATION TYPE
11700.0000 - 12200.0000 MHz	800KG7D		BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER

SITE ID: Remote 2 T/F
LOCATION: .75M (1,000 UNITS), CONUS,AK,HI,PR,VI

ANTENNA ID: .75M T/F	0.75 meters	ASC SIGNAL	TMC 75E
14000.0000 - 14500.0000 MHz	100KG7D	39.10 dBW	DIGITAL DATA WITH VARIOUS MODULATION, DATA RATES AND INFORMATION TYPE
14000.0000 - 14500.0000 MHz	1M20G7D	45.10 dBW	BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	200KG7D	42.10 dBW	BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	2M20G7D	45.10 dBW	DIGITAL DATA WITH VARIOUS MODULATION, DATA RATES AND INFORMATION TYPE
14000.0000 - 14500.0000 MHz	300KG7D	42.10 dBW	BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	400KG7D	45.10 dBW	BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	800KG7D	45.10 dBW	BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER

11700.0000 - 12200.0000 MHz	16M2G7D	BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	1M60G7D	BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	26M0G7D	DIGITAL DATA WITH VARIOUS MODULATION, DATA RATES AND INFORMATION TYPE
11700.0000 - 12200.0000 MHz	3M20G7D	BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	400KG7D	DIGITAL DATA WITH VARIOUS MODULATION, DATA RATES AND INFORMATION TYPE
11700.0000 - 12200.0000 MHz	6M40G7D	BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	800KG7D	BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER

SITE ID: REMOTE 2 TG
LOCATION: 0.74M-TG (100,000 UNITS), CONUS,AK,HI,PR,VI

ANTENNA ID:	.74M TG	0.74 meters	PRODELIN	0.74 METER-1741
14000.0000 - 14500.0000 MHz	800KG7D	42.00 dBW	BPSK, QPSK AND 8PSK, MODULATED DIGITAL CARRIER	
14000.0000 - 14500.0000 MHz	400KG7D	42.00 dBW	BPSK, QPSK AND 8PSK, MODULATED DIGITAL CARRIER	
14000.0000 - 14500.0000 MHz	200KG7D	42.00 dBW	BPSK, QPSK AND 8PSK, MODULATED DIGITAL CARRIER	
14000.0000 - 14500.0000 MHz	1M60G7D	42.00 dBW	BPSK, QPSK AND 8PSK, MODULATED DIGITAL CARRIER	
11700.0000 - 12200.0000 MHz	800KG7D	BPSK, QPSK AND 8PSK, MODULATED DIGITAL CARRIER		
11700.0000 - 12200.0000 MHz	6M40G7D	BPSK, QPSK AND 8PSK, MODULATED DIGITAL CARRIER		
11700.0000 - 12200.0000 MHz	400KG7D	BPSK, QPSK AND 8PSK, MODULATED DIGITAL CARRIER		
11700.0000 - 12200.0000 MHz	3M20G7D	BPSK, QPSK AND 8PSK, MODULATED DIGITAL CARRIER		
11700.0000 - 12200.0000 MHz	26M0G7D	BPSK, QPSK AND 8PSK, MODULATED DIGITAL CARRIER		
11700.0000 - 12200.0000 MHz	1M60G7D	BPSK, QPSK AND 8PSK, MODULATED DIGITAL CARRIER		

11700.0000 - 12200.0000 MHz	16M2G7D		BPSK, QPSK AND 8PSK, MODULATED DIGITAL CARRIER
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SITE ID: REMOTE 3
LOCATION: 0.75MA (40,000 UNITS), CONUS, AK, HI,PR,VI

ANTENNA ID: 0.75MA	0.75 meters	SKYWARE GLOBAL	TYPE 756
14000.0000 - 14500.0000 MHz	563KG7D	44.00 dBW	BPSK, QPSK, 8PSK or 16QAM DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	563KG7D	44.00 dBW	BPSK, QPSK, 8PSK or 16QAM DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	116KG7D	39.70 dBW	75 ksps GMSK/QPSK Digital Carrier
14000.0000 - 14500.0000 MHz	116KG7D	39.70 dBW	75 ksps GMSK/QPSK Digital Carrier
11700.0000 - 12200.0000 MHz	36M0G7D		BPSK, QPSK, 8PSK, 16APSK, 32APSK Digital Carrier
11700.0000 - 12200.0000 MHz	36M0G7D		BPSK, QPSK, 8PSK, 16APSK, 32APSK Digital Carrier
11700.0000 - 12200.0000 MHz	154KG7D		128 ksps BPSK, QPSK, 8PSK Digital Carrier
11700.0000 - 12200.0000 MHz	154KG7D		128 ksps BPSK, QPSK, 8PSK Digital Carrier

SITE ID: REMOTE 4
LOCATION: 0.75MTFA, (1000 UNITS), CONUS, AK, HI,PR,VI

ANTENNA ID: 0.75MTFA	0.75 meters	AVL	750K
14000.0000 - 14500.0000 MHz	563KG7D	44.00 dBW	BPSK, QPSK, 8PSK or 16QAM Digital Carrier
14000.0000 - 14500.0000 MHz	563KG7D	44.00 dBW	BPSK, QPSK, 8PSK or 16QAM Digital Carrier
14000.0000 - 14500.0000 MHz	116KG7D	39.70 dBW	75 ksps GMSK Digital Carrier
14000.0000 - 14500.0000 MHz	116KG7D	39.70 dBW	75 ksps GMSK Digital Carrier
11700.0000 - 12200.0000 MHz	36M0G7D		BPSK, QPSK, 8PSK, 16APSK, 32APSK Digital Carrier
11700.0000 - 12200.0000 MHz	36M0G7D		BPSK, QPSK, 8PSK, 16APSK, 32APSK Digital Carrier
11700.0000 - 12200.0000 MHz	154KG7D		128 ksps BPSK, QPSK, 8PSK Digital Carrier

Points of Communication:

Remote 2 - EHOSTAR-9 (S2143) - (121 W.L.)

Remote 2 T/F - EHOSTAR-9 (S2143) - (121 W.L.)

REMOTE 2 TG - AMC 2 (S2134) - (78.95 W.L.)

REMOTE 2 TG - AMC 3 (S2162) - (72 W.L.)

REMOTE 2 TG - AMC 3 (S2162) - (72 W.L.)

REMOTE 2 TG - AMC-1(S2445) - (103 W.L.)

REMOTE 2 TG - AMC-6 (S2347) - (139.0 W.L.)

REMOTE 2 TG - EHOSTAR-9 (S2143) - (121 W.L.)

REMOTE 2 TG - GALAXY 16 (S2687) - (99 W.L.)

REMOTE 2 TG - GALAXY 17 (S2715) - (91 W.L.)

REMOTE 2 TG - GALAXY 18 (S2733) - (123 W.L.)

REMOTE 2 TG - GALAXY 19 (S2647) - (97 W.L.)

REMOTE 2 TG - GALAXY 28 (S2160) - (89.0 W.L.)

REMOTE 2 TG - SES-1 (S2807) - (101.0 W.L.)

REMOTE 2TF - AMC 2 - (85.0 W.L.)

REMOTE 2TF - AMC-4 (S2135) - (134.9 W.L.)

REMOTE 2TF - AMC-5 (S2156) - (79 W.L.)

REMOTE 2TF - AMC-6 (S2347) - (139.0 W.L.)

REMOTE 2TF - GALAXY 18 (S2733) - (123 W.L.)

REMOTE 2TF - GE GSTAR 4 - (105 W.L.)

REMOTE 2TF - HORIZONS 2(S2423) - (73.8 W.L.)

REMOTE 2TF - IA-7 - (129 W.L.)

REMOTE 2TF - TELSTAR 7 - (129 W.L.)

REMOTE 3 - PERMITTED LIST - ()

REMOTE 4 - PERMITTED LIST - ()

Remote TF 75E - AMC 2 - (85.0 W.L.)

Remote TF 75E - AMC-5 (S2156) - (79 W.L.)

Remote TF 75E - GE GSTAR 4 - (105 W.L.)

Remote TF 75E - GE-2 - (85 W.L.)

Remote TF 75E - GE-4 - (101 W.L.)

Remote TF 75E - GE-6 - (81 WL)

Remote TF 75E - HORIZONS 2(S2423) - (73.8 W.L.)

Remote TF 75E - TELSTAR 7 - (129 W.L.)

SES-MOD-20220511-00476 E E000132 SageNet LLC

Application for Modification

06/30/2010 - 06/30/2025

Grant of Authority

Date Effective: 09/06/2022

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: REMOTE1

LOCATION: {VSAT Network w. slotted Aloha access} {(20,000) 0.96M. Remote Units}, CONUS, AK, HI, PR, VI

ANTENNA ID:	0.96M.	0.96 meters	CHANNEL MASTER	TYPE 960
	14000.0000 - 14500.0000 MHz	100KG7D	37.90 dBW	38.4 KBPS, 1/2 RATE FEC, DPSK MODULATION (BPSK VARIANT), 100 KHZ BANDWIDTH, DIGITAL CARRIER.
	14000.0000 - 14500.0000 MHz	60K0G7D	37.90 dBW	DIGITAL CARRIER
	14000.0000 - 14500.0000 MHz	200KG7D	40.90 dBW	76.8 KBPS, 1/2 RATE FEC, DPSK MODULATION (BPSK VARIANT), 200 KHZ BANDWIDTH, DIGITAL CARRIER.
	14000.0000 - 14500.0000 MHz	120KG7D	40.90 dBW	76.8 KBPS, 1/2 RATE FEC, MSK MODULATION (QPSK VARIANT), 120 KHZ BANDWIDTH, DIGITAL CARRIER.
	14000.0000 - 14500.0000 MHz	400KG7D	40.90 dBW	153.6 KBPS, 1/2 RATE FEC, DPSK MODULATION (BPSK VARIANT), 400 KHZ BANDWIDTH, DIGITAL CARRIER.
	14000.0000 - 14500.0000 MHz	240KG7D	40.90 dBW	153.6 KBPS, 1/2 RATE FEC, MSK MODULATION (QPSK VARIANT), 240 KHZ BANDWIDTH, DIGITAL CARRIER.
	14000.0000 - 14500.0000 MHz	800KG7D	40.90 dBW	DIGITAL CARRIER
	14000.0000 - 14500.0000 MHz	480KG7D	40.90 dBW	307.2 KBPS, 1/2 RATE FEC, MSK MODULATION (QPSK VARIANT), 480 KHZ BANDWIDTH, DIGITAL CARRIER.

14000.0000 - 14500.0000 MHz	600KG7D	40.90 dBW	BPSK, QPSK OR 8PSK MODULATED DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	300KG7D	40.90 dBW	BPSK, QPSK OR 8PSK MODULATED DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	2M20G7D	40.90 dBW	BPSK, QPSK OR 8PSK MODULATED DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	260KG7D	40.90 dBW	BPSK, QPSK OR 8PSK MODULATED DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	1M20G7D	40.90 dBW	BPSK, QPSK OR 8PSK MODULATED DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	130KG7D	40.90 dBW	BPSK, QPSK OR 8PSK MODULATED DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	425KG7D		128 KBPS, 1/2 RATE FEC, BPSK MODULATION, 425 KHZ BANDWIDTH, DIGITAL CARRIER.
11700.0000 - 12200.0000 MHz	400KG7D		256 KBPS, 1/2 RATE FEC, QPSK MODULATION, 400 KHZ BANDWIDTH, DIGITAL CARRIER.
11700.0000 - 12200.0000 MHz	800KG7D		256 KBPS, 1/2 RATE FEC, BPSK MODULATION, 800 KHZ BANDWIDTH, DIGITAL CARRIER.
11700.0000 - 12200.0000 MHz	600KG7D		384 KBPS, 1/2 RATE FEC, QPSK MODULATION, 600 KHZ BANDWIDTH, DIGITAL CARRIER.
11700.0000 - 12200.0000 MHz	1M20G7D		384 KBPS, 1/2 RATE FEC, BPSK MODULATION, 1,200 KHZ BANDWIDTH, DIGITAL CARRIER.
11700.0000 - 12200.0000 MHz	800KG7D		512 KBPS, 1/2 RATE FEC, QPSK MODULATION, 800 KHZ BANDWIDTH, DIGITAL CARRIER.
11700.0000 - 12200.0000 MHz	1M60G7D		512 KBPS, 1/2 RATE FEC, BPSK MODULATION, 1,600 KHZ BANDWIDTH, DIGITAL CARRIER.
11700.0000 - 12200.0000 MHz	1M20G7D		768 KBPS, 1/2 RATE FEC, QPSK MODULATION, 1,200 KHZ BANDWIDTH, DIGITAL CARRIER.
11700.0000 - 12200.0000 MHz	2M40G7D		768 KBPS, 1/2 RATE FEC, BPSK MODULATION, 2,400 KHZ BANDWIDTH, DIGITAL CARRIER.
11700.0000 - 12200.0000 MHz	1M60G7D		1,024 KBPS, 1/2 RATE FEC, QPSK MODULATION, 1,600 KHZ BANDWIDTH, DIGITAL CARRIER.

11700.0000 - 12200.0000 MHz	3M20G7D	1,024 KBPS, 1/2 RATE FEC, BPSK MODULATION, 3,200 KHZ BANDWIDTH, DIGITAL CARRIER.
11700.0000 - 12200.0000 MHz	2M40G7D	1,536 KBPS, 1/2 RATE FEC, QPSK MODULATION, 2,400 KHZ BANDWIDTH, DIGITAL CARRIER.
11700.0000 - 12200.0000 MHz	4M80G7D	1,536 KBPS, 1/2 RATE FEC, BPSK MODULATION, 2,800 KHZ BANDWIDTH, DIGITAL CARRIER.
11700.0000 - 12200.0000 MHz	3M20G7D	2,048 KBPS, 1/2 RATE FEC, QPSK MODULATION, 3,200 KHZ BANDWIDTH, DIGITAL CARRIER.
11700.0000 - 12200.0000 MHz	6M40G7D	2,048 KBPS, 1/2 RATE FEC, BPSK MODULATION, 6,400 KHZ BANDWIDTH, DIGITAL CARRIER.
11700.0000 - 12200.0000 MHz	6M10G7D	3,500 KSPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 6,100 KHZ BANDWIDTH, DIGITAL CARRIER.
11700.0000 - 12200.0000 MHz	8M10G7D	6,000 KSPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 8,100 KHZ BANDWIDTH, DIGITAL CARRIER.
11700.0000 - 12200.0000 MHz	10M8G7D	8,000 KSPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 10,800 KHZ BANDWIDTH, DIGITAL CARRIER.
11700.0000 - 12200.0000 MHz	16M2G7D	12,000 KSPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 16,200 KHZ BANDWIDTH, DIGITAL CARRIER.
11700.0000 - 12200.0000 MHz	21M6G7D	16,000 KSPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 21,600 KHZ BANDWIDTH, DIGITAL CARRIER.
11700.0000 - 12200.0000 MHz	36M0G7D	26,700 KSPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 36,000 KHZ BANDWIDTH, DIGITAL CARRIER.
11700.0000 - 12200.0000 MHz	43M2G7D	32,000 KSPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 43,200 KHZ BANDWIDTH, DIGITAL CARRIER.
11700.0000 - 12200.0000 MHz	54M0G7D	DIGITAL DATA CARRIER
11700.0000 - 12200.0000 MHz	5M00G7D	BPSK, QPSK OR 8PSK MODULATED DIGITAL CARRIER

11700.0000 - 12200.0000 MHz	500KG7D	BPSK, QPSK OR 8PSK MODULATED DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	36M0G7D	BPSK, QPSK OR 8PSK MODULATED DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	20M0G7D	BPSK, QPSK OR 8PSK MODULATED DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	200KG7D	BPSK, QPSK OR 8PSK MODULATED DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	1M00G7D	BPSK, QPSK OR 8PSK MODULATED DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	15M0G7D	BPSK, QPSK OR 8PSK MODULATED DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	10M0G7D	BPSK, QPSK OR 8PSK MODULATED DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	400KG7D	DIGITAL DATA CARRIER

SITE ID: REMOTE2

LOCATION: VSAT NETWORK (1000) 0.96M.-TF Remote Units}, CONUS, AK,HI,PR,VI

ANTENNA ID:	0.96M.TF	0.96 meters	TRACSTAR/AVL/ANDREW	960KAVSAT
14000.0000 - 14500.0000 MHz	600KG7D	47.20 dBW	BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER	
14000.0000 - 14500.0000 MHz	300KG7D	44.20 dBW	BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER	
14000.0000 - 14500.0000 MHz	2M20G7D	47.20 dBW	BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER	
14000.0000 - 14500.0000 MHz	260KG7D	44.20 dBW	BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER	
14000.0000 - 14500.0000 MHz	1M20G7D	47.20 dBW	BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER	
14000.0000 - 14500.0000 MHz	130KG7D	41.20 dBW	BPSK, QPSK OR 8PSK MODULATED DIGITAL CARRIER	
11700.0000 - 12200.0000 MHz	5M00G7D	BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER		
11700.0000 - 12200.0000 MHz	500KG7D	BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER		
11700.0000 - 12200.0000 MHz	36M0G7D	BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER		
11700.0000 - 12200.0000 MHz	200KG7D	BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER		

11700.0000 - 12200.0000 MHz	1M00G7D	BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	15M0G7D	BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	10M0G7D	BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	400KG7D	BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	20M0G7D	BPSK, QPSK OR 8PSK MODULATED DIGITAL CARRIER

SITE ID: REMOTE3
LOCATION: 0.96MA (2000 UNITS), CONUS, AK, HI,PR,VI

ANTENNA ID: 0.96MA	0.96 meters	SKYWARE GLOBAL	TYPE 960
14000.0000 - 14500.0000 MHz	563KG7D	46.10 dBW	BPSK, QPSK, 8PSK or 16QAM Digital Carrier
14000.0000 - 14500.0000 MHz	563KG7D	46.10 dBW	BPSK, QPSK, 8PSK or 16QAM Digital Carrier
14000.0000 - 14500.0000 MHz	116KG7D	39.90 dBW	75 ksps GMSK Digital Carrier
14000.0000 - 14500.0000 MHz	116KG7D	39.90 dBW	75 ksps GMSK Digital Carrier
11700.0000 - 12200.0000 MHz	36M0G7D		BPSK, QPSK, 8PSK, 16APSK, 32APSK Digital Carrier
11700.0000 - 12200.0000 MHz	36M0G7D		BPSK, QPSK, 8PSK, 16APSK, 32APSK Digital Carrier
11700.0000 - 12200.0000 MHz	154KG7D		BPSK, QPSK, 8PSK, 16APSK, 32APSK Digital Carrier
11700.0000 - 12200.0000 MHz	154KG7D		BPSK, QPSK, 8PSK, 16APSK, 32APSK Digital Carrier

SITE ID: REMOTE4
LOCATION: 0.96MTFA (1000 UNITS), CONUS, AK, HI,PR,VI

ANTENNA ID: 0.96MTFA	0.96 meters	Cobham Trackstar	960P-1
14000.0000 - 14500.0000 MHz	563KG7D	46.10 dBW	BPSK, QPSK, 8PSK or 16QAM Digital Carrier
14000.0000 - 14500.0000 MHz	563KG7D	46.10 dBW	BPSK, QPSK, 8PSK or 16QAM Digital Carrier
14000.0000 - 14500.0000 MHz	116KG7D	39.90 dBW	75 ksps GMSK Digital Carrier

Points of Communication:

T&C Operations Site - Landmapper-BC(S3014) - (NGSO)

SES-RWL-20220729-00814 E E070123 Open Plaza Corp.

Renewal

08/31/2022 - 08/31/2037

Grant of Authority

Date Effective: 08/31/2022

Class of Station: Fixed Earth Stations

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

SITE ID: 1

LOCATION: 3800 Via Oro Ave. (CBC), Los Angeles, Long Beach, CA

33 ° 49 ' 44.30 " N LAT.

118 ° 12 ' 43.35 " W LONG.

ANTENNA ID:	LBKA3	9.2 meters	Vertex RSI	9mKa-01-00
	29525.0000 - 29535.0000 MHz	25K0N0N	55.80 dBW	Beacon Transmission - Clear Sky
	29525.0000 - 29535.0000 MHz	25K0N0N	75.80 dBW	Beacon Transmission - Max Faded
	29500.0000 - 29515.0000 MHz	1M30F9D	69.50 dBW	Multi-tone Frequency Modulated Command Carrier - Clear Sky
	29500.0000 - 29515.0000 MHz	1M30F8D	89.50 dBW	Multi-tone Frequency Modulated Command Carrier - Max Faded
	29250.0000 - 30000.0000 MHz	36M0G7W	69.50 dBW	PSK MOD Digital Video/Audio
	28350.0000 - 28600.0000 MHz	36M0G7W	69.50 dBW	PSK MOD Digital Video/Audio
	19700.0000 - 20200.0000 MHz	36M0G7W	0.00 dBW	PSK MOD Digital Video/Audio
	19700.0000 - 19710.0000 MHz	106KG9D	0.00 dBW	Phase Modulated Satellite Telemetry
	18300.0000 - 18800.0000 MHz	36M0G7W	0.00 dBW	PSK MOD Digital Video/Audio

Points of Communication:

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

1 - DIRECTV T10 - (102.8)

1 - DIRECTV T8 (D) - (119.05)

1 - DIRECTV T9S (S2669) - (101 W.L.)

1 - PERMITTED LIST - ()

1 - SPACEWAY 2 (S2133) - (138.9 W.L.)

SES-RWL-20220823-00901 E E070182 SES Americom, Inc.

Renewal

09/27/2022 - 09/27/2037

Grant of Authority

Date Effective: 08/31/2022

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WBES-NSS7

LOCATION: 2323 Grimville Road, Carroll, Mount Airy, MD

39 ° 22 ' 38.90 " N LAT.

77 ° 4 ' 48.50 " W LONG.

ANTENNA ID:	WBES-NSS7	11 meters	Vertex Corp.	11KPC
5925.0000 - 6425.0000 MHz		27M2G7W	74.90 dBW	Digital TT&C
5925.0000 - 6425.0000 MHz		27M2G7W	74.90 dBW	Digital carrier for data, TT&C
5925.0000 - 6425.0000 MHz		1M00F8W	60.58 dBW	Frequency modulated TC carrier
5925.0000 - 6425.0000 MHz		36M0G7W	74.90 dBW	Video, Digital Data
5925.0000 - 6425.0000 MHz		100KG7W	50.50 dBW	Digital Data
3700.0000 - 4200.0000 MHz		27M2G7W		Digital TT&C
3700.0000 - 4200.0000 MHz		27M2G7W		Digital TT&C
3700.0000 - 4200.0000 MHz		100KG7W		Digital Data

Points of Communication:

WBES-NSS7 - PERMITTED LIST - ()

SES-RWL-20220823-00902 E E070181 SES Americom, Inc.

Renewal

09/27/2022 - 09/27/2037

Grant of Authority

Date Effective: 08/31/2022

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WBES-IS1R

LOCATION: 2323 Grimville Road, Carroll, Mount Airy, MD

39 ° 22 ' 35.90 " N LAT.

77 ° 4 ' 48.30 " W LONG.

ANTENNA ID:	WBES-IS1R	7.3 meters	Vertex RSI	7.3KCCI
5925.0000 - 6425.0000 MHz		36M0G7W	76.30 dBW	Digital TT&C
5925.0000 - 6425.0000 MHz		800KG7W	72.10 dBW	Digital Data
3700.0000 - 4200.0000 MHz		36M0G7W		Digital TT&C

3700.0000 - 4200.0000 MHz

800KG7W

Digital Data

Points of Communication:

WBES-IS1R - PERMITTED LIST - ()

SES-RWL-20220824-00909 E E070183 SES Americom, Inc.

Renewal

09/27/2022 - 09/27/2037

Grant of Authority

Date Effective: 08/31/2022

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WBES-AMC11

LOCATION: 2323 Grimville Road, Carroll, Mount Airy, MD

39 ° 22 ' 36.00 " N LAT.

77 ° 4 ' 47.30 " W LONG.

ANTENNA ID: WBES-A11 11.1 meters General Dynamioecs 11.1KPC

5925.0000 - 6425.0000 MHz 36M0G7W 81.40 dBW Digital TT&C

5925.0000 - 6425.0000 MHz 100KG7W 55.88 dBW DIGITAL DATA

5925.0000 - 6425.0000 MHz 36M0G7W 76.14 dBW VIDEO, DIGITAL DATA

5925.0000 - 6425.0000 MHz 1M00F8W 65.88 dBW FREQUENCY MODULATED TC CARRIER

3700.0000 - 4200.0000 MHz 36M0G7W Digital TT&C

3700.0000 - 4200.0000 MHz 100KG7W DIGITAL DATA

Points of Communication:

WBES-AMC11 - PERMITTED LIST - ()

SES-RWL-20220824-00910 E E970336 SES Americom, Inc.

Renewal

10/03/2022 - 10/03/2037

Grant of Authority

Date Effective: 08/31/2022

Class of Station: Fixed Earth Stations

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

SITE ID: 1

LOCATION: 5990 SOLANO VERDE DRIVE, VENTURA, SOMIS, CA

34 ° 19 ' 31.00 " N LAT.

118 ° 59 ' 41.00 " W LONG.

ANTENNA ID: 1 9 meters TORONTO IRON WORKS 9M

17300.0000 - 17800.0000 MHz 900KF2D 80.00 dBW DIGITAL DATA

12200.0000 - 12700.0000 MHz 900KF2D

Points of Communication:

1 - CIEL 2 - (128.85 W.L)

1 - PERMITTED LIST - ()

1 - QUETZSAT-1 - (77.00 W.L.)

SES-RWL-20220825-00908 E E2303 Alascom, Inc.

Renewal

11/06/2022 - 11/06/2037

Grant of Authority

Date Effective: 08/31/2022

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: NSN SECOND AVE., KOYUK, AK
65 ° 55 ' 50.60 " N LAT.

161 ° 9 ' 39.20 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORPORATION	ESA45-39239
5925.0000 - 6425.0000 MHz	15M0G7W	60.17 dBW	VARIOUS PSK & QAM - VOICE AND DATA	
5925.0000 - 6425.0000 MHz	29K0G7W	52.10 dBW	VARIOUS PSK & QAM - VOICE AND DATA	
3700.0000 - 4200.0000 MHz	15M0G7W		VARIOUS PSK & QAM - VOICE AND DATA	
3700.0000 - 4200.0000 MHz	29K0G7W		VARIOUS PSK & QAM - VOICE AND DATA	

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20220825-00911 E E970419 Knoxville TV LLC

Renewal

10/17/2022 - 10/17/2037

Grant of Authority

Date Effective: 08/31/2022

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 1500 NORTH WEST STREET (KAKE-TV), SEDGWICK, WICHITA, KS

ANTENNA ID:	1	2.4 meters	VERTEX /OFFSET	2.4 DMK
14000.0000 - 14500.0000 MHz	36M0F8W	76.40 dBW	FREQUENCY MODULATION, ANALOGUE INFORMATION, VIDEO/VOICE/DATA	

14000.0000 - 14500.0000 MHz	64KOG7E	42.60 dBW	PHASE MODULATION, QUANTIZED INFORMATION, TELEPHONY (INCLUDING SOUND BROADCASTING)
14000.0000 - 14500.0000 MHz	26K0F3E	38.70 dBW	FREQUENCY MODULATION, ANALOGUE INFORMATION, TELEPHONY (INCLUDING SOUND BROADCASTING)
14000.0000 - 14500.0000 MHz	15M0G7W	68.60 dBW	DIGITAL MCPC QPSK CARRIER USED FOR VIDEO/VOICE/DATA
11700.0000 - 12200.0000 MHz	36M0F8W		FREQUENCY MODULATION, ANALOGUE INFORMATION, VIDEO/VOICE/DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-STA-20210910-01613 E E160032 Spire Global, Inc.
Special Temporary Authority
Grant of Authority
Date Effective: 09/06/2022

Class of Station:

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

Points of Communication:

SES-STA-20211020-01733 E E210037 O3b Limited
Special Temporary Authority
Grant of Authority
Date Effective: 09/01/2022

Class of Station:

On September 1, 2022, O3b Limited was granted special temporary authority for 180 days, beginning on September 1, 2022, to operate its gateway earth station in Maricopa, AZ to provide telemetry, tracking, and control (TT&C), and launch and early orbit phase (LEOP) services for the non-geostationary orbit (NGSO) mPOWER satellites in the 29086 MHz, 29089 MHz (Earth-to-space), and 19283.5 MHz and 19305.5 MHz (space-to-Earth) center frequencies.

Points of Communication:

SES-STA-20211020-01734 E E202133 O3b Limited
Special Temporary Authority
Grant of Authority
Date Effective: 09/01/2022

Class of Station:

On September 1, 2022, O3b Limited was granted special temporary authority for 180 days, beginning on September 1, 2022, to operate its gateway earth station in Haleiwa, HI to provide telemetry, tracking, and control (TT&C), and launch and early orbit phase (LEOP) services for the non-geostationary orbit (NGSO) mPOWER satellites in the 29086 MHz, 29089 MHz (Earth-to-space), and 19283.5 MHz and 19305.5 MHz (space-to-Earth) center frequencies.

Points of Communication:

SES-STA-20220708-00733 E E220100 DRS Global Enterprise Solutions, Inc.
Special Temporary Authority
Grant of Authority Date Effective: 09/01/2022

Class of Station:

On September 1, 2022, DRS Global Enterprise Solutions, Inc. was granted special temporary authority for 30 days, beginning on September 1, 2022, to operate its fixed earth station in Napa, CA to provide digital video, voice, and data services in the 14.0-14.5 GHz (Earth-to-space), and 11.7-12.2 GHz (space-to-Earth) frequency bands.

Points of Communication:

SES-STA-20220720-00784 E KA258 Intelsat License LLC
Special Temporary Authority
Grant of Authority Date Effective: 09/06/2022

Class of Station:

On September 6, 2022, Intelsat License LLC was granted special temporary authority, beginning on September 6, 2022 through March 5, 2023, to operate its fixed earth station in Hagerstown, MD to provide launch and early orbit phase (LEOP) services for the Konnect satellite as it progresses to the 2.7° E.L.orbital location in the 14000 MHz and 14499.8 MHz (Earth-to-space), and 11701.60 MHz and 11704.00 MHz (space-to-Earth) center frequencies.

Points of Communication:

SES-STA-20220720-00785 E KL92 Intelsat License LLC
Special Temporary Authority
Grant of Authority Date Effective: 09/06/2022

Class of Station:

On September 6, 2022, Intelsat License LLC was granted special temporary authority, beginning on September 6, 2022 through March 5, 2023, to operate its fixed earth station in Castle Rock, CO to provide launch and early orbit phase (LEOP) services for the Konnect satellite as it progresses to the 2.7° E.L.orbital location in the 14000 MHz and 14499.8 MHz (Earth-to-space), and 11701.60 MHz and 11704.00 MHz (space-to-Earth) center frequencies.

Points of Communication:

SES-STA-20220816-00881 E E190130 SpaceX Services, Inc.
Special Temporary Authority
Grant of Authority Date Effective: 08/31/2022

Class of Station:

On August 2021, 2022, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on August 31, 2022, to operate its fixed earth station in Greenville, PA with the non-geosynchronous orbit (NGSO) satellite constellation SpaceX Starlink (S2983/3018) in the 14.0-14.5 GHz (Earth-to-space) and 10.7-12.7 GHz (space-to-Earth) frequency bands.

Points of Communication:

SURRENDER

SES-LIC-20101222-01580 E100142 Cox Radio, LLC
License surrendered by letter filed on 9/1/2022

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