

EXHIBIT A

INTELSAT LICENSE LLC

30-DAY SPECIAL TEMPORARY AUTHORITY REQUEST

9.2 KA-BAND METER EARTH STATION

MAY 4, 2012

Exhibit A

SECTIONS 25.137 AND 25.114

The legal and technical qualifications of the EchoStar XVII (f/k/a Jupiter-1 and SPACEWAY-4) satellite have already been approved by the Commission and are included herein by reference. Specifically, the legal information requested in Section 25.137 and the technical information requested in Section 25.114, including the Schedule S information, for the EchoStar XVII satellite can be found in the application filed by Hughes Network Systems, LLC resulting in said approval.¹

To the extent necessary, however, Intelsat respectfully requests a waiver of the need to provide additional technical information under Section 25.114 of the Commission's rules for its proposed LEOP and temporary TT&C services.² The Commission may grant a waiver for good cause shown.³ The Commission typically grants a waiver where the particular facts make strict compliance inconsistent with the public interest.⁴ In granting a waiver, the Commission may take into account considerations of hardship, equity, or more effective implementation of overall policy on an individual basis.⁵ Waiver is therefore appropriate if special circumstances warrant a deviation from the general rule, and such a deviation will serve the public interest.

In this case, good cause exists for a waiver of Section 25.114. Intelsat has provided in this STA request the technical information that is relevant to the LEOP and temporary TT&C services for which Intelsat seeks authorization. The remainder of the information sought by Section 25.114 is not required to determine potential harmful interference because Intelsat will perform the LEOP and temporary TT&C services on a non-interference basis. Moreover, as noted in the STA request, the LEOP and temporary TT&C operations will be coordinated with potentially affected operators. In light of the foregoing, waiver of the need to provide additional technical information under Section 25.114 serves the public interest.

¹ See *Application of Hughes Network Systems, LLC*, File No. SAT-LOI-20091110-00119 (stamp-grant issued May 5, 2010 by Stephen J. Duall).

² 47 C.F.R. § 25.114.

³ 47 C.F.R. §1.3.

⁴ *N.E. Cellular Tel. Co. v. FCC*, 897 F.2d 1164, 1166 (D.C. Cir. 1990) ("Northeast Cellular").

⁵ *WAIT Radio v. FCC*, 418 F.2d 1153, 1159 (D.C. Cir. 1969); *Northeast Cellular*, 897 F.2d at 1166.

EXHIBIT B

INTELSAT LICENSE LLC

30-DAY SPECIAL TEMPORARY AUTHORITY REQUEST

9.2 KA-BAND METER EARTH STATION

MAY 4, 2012

FREQUENCY COORDINATION AND INTERFERENCE ANALYSIS REPORT

Prepared for

**Intelsat License LLC
Nuevo, California**

Satellite Earth Station

Prepared By:
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, Virginia 20147
April 20, 2012

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1. CONCLUSIONS

An interference study considering all existing, proposed and prior coordinated microwave facilities within the coordination contours of the proposed earth station demonstrates that this site will operate satisfactorily with the common carrier microwave environment. Further, there will be no restrictions of its operation due to interference considerations.

2. SUMMARY OF RESULTS

A number of great circle interference cases were identified during the interference study of the proposed earth station. Each of the cases, which exceeded the interference objective on a line-of-sight basis, was profiled and the propagation losses estimated using NBS TN101 (Revised) techniques. The losses were found to be sufficient to reduce the signal levels to acceptable magnitudes in every case.

The following companies reported potential great circle interference conflicts that did not meet the objectives on a line-of-sight basis. When over-the-horizon losses are considered on the interfering paths, sufficient blockage exists to negate harmful interference from occurring with the proposed transmit-receive earth station.

Company

None

No carriers reported potential interference cases.

3. SUPPLEMENTAL SHOWING

Pursuant to Part 25.203(c) of the FCC Rules and Regulations, the satellite earth station proposed in this application was coordinated by Comsearch using computer techniques and in accordance with Part 25 of the FCC Rules and Regulations.

Coordination data for this earth station was sent to the below listed carriers with a letter dated March 19, 2012.

Company

ABC Holding Company Inc.
AMERIQUEST MORTGAGE COMPANY
ANAHEIM CITY PUBLIC UTILITY DEPARTMENT
AT&T CORP
AT&T California
AT&T Nevada
Aerionet, Inc.
AirSites2000, LLC
Airband Communications Inc
Antilles Wireless LLC
Aztech Cable
BEAMSPEED LLC
BEVERLY HILLS, CITY OF
BNSF Railway Company
BP West Coast Products LLC
BURBANK CITY , OF
Bakersfield, City of
Bel Air Internet, LLC
Bigelow Management Inc
British American Communications Inc
CARDIOLOGY ASSOCIATES MEDICAL GROUP, INC
CARE COMMUNITY AMBULANCE SERVICES INC
CARITAS TELECOMMUNICATIONS
CASTAIC LAKE WATER AGENCY
CBS Broadcasting Inc
CNG Communications, Inc.
COMMUNICATIONS SERVICES
CR BRIGGS CORPORATION
CULVER CITY, CITY OF
California, State of
Cellco Partnership - California
Central Telephone Company of Nevada
Chevron USA Inc.
Children's Hospital Orange County (CHOC)
Citizens Utilities Rural Company, Inc.

Company (Continued)

City of Corona
City of Irvine Public Safety
City of Newport Beach
City of Pasadena, California
City of Torrance
City of Yuma
Clearwave Communications, LLC
Clearwire Spectrum Holdings II, LLC
Clearwire Spectrum Holdings III, LLC
Color BroadBand Inc.
Community Memorial Health System
Conterra Ultra Broadband, LLC
Cox Communications California LLC
Craig Wireless Palm Springs
Cricket License Company, LLC
Cricket Licensee Company, LLC
DRS Technical Services
EASTERN MUNICIPAL WATER DISTRICT
ENTRAVISION HOLDINGS, LLC
El Monte Police Department
Emend Information & Management Solutions
Energia Costa Azul S. de R.L. de C.V.
Escuela de la Raza Unida
Experior Networks, LLC
FIRST FOURNSQUARE CHURCH OF VAN NUYS
FOX TELEVISION STATIONS, INC.
Fireline Network Solutions Inc.
Fixed Wireless Holdings, LLC
Frontier Communications of the Southwest
GLOBAL INTERACTIVE COMMUNICATIONS CORP.
GTE Mobilnet of Santa Barbara LTD Ptnsh
GULF-CALIFORNIA BROADCASTING
Gila Electronics of Yuma, Inc
Glendale, City of
IBERDROLA Renewables
INDYMAC BANK
INLAND EMPIRE UTILITIES AGENCY
IP Wireless, Inc.
Imperial Irrigation District
Intelecom Intelligent Telecommunications
JOURNAL BROADCAST CORPORATION
Jack In The Box Inc.
KERN COUNTY SUPERINTENDENT OF SCHOOLS
KERN SCHOOLS FEDERAL CREDIT UNION
KTLA INC
KVUU BROADCASTING CORPORATION
Kern, County of
Kings Canyon Unified School District
Kings County Office of Education
LAKE HAVASU CITY
LEMON GROVE SCHOOL DISTRICT

Company (Continued)

LOS ANGELES CITY WATER & POWER
LOS ANGELES UNIFIED SCHOOL DISTRICT
LT-WR, LLC
Las Virgenes Unified School District
LasVegas.Net
Long Beach City California
Long Beach City Electronics Div.
Los Angeles City Info Technology Agency
Los Angeles County Dept of Public Works
Los Angeles County FCC Licensing Section
Los Angeles County Metro Transit Auth
Los Angeles SMSA Ltd. Partnership
Los Angeles, City of
MOBILE RELAY ASSOCIATES INC
MONTEBELLO CITY CALIFORNIA
Mark Hopperton
MetroConnect Inc
MetropCS California, LLC
MetropCS Networks California, LLC
Metropolitan Water Dist of So California
Mike Glaser
Mohave Cooperative Services
Moreno Valley City California
Moulton Niguel Water District
NBC Telemundo License Co - News Burbank
NEVADA TRANSPORTATION DEPT
Nevada Department of Transportation
New Cingular Wireless PCS LLC - AZ
New Cingular Wireless PCS - Los Angeles
New Cingular Wireless PCS LLC - N CAL
New Cingular Wireless PCS LLC - N Texas
New Cingular Wireless PCS LLC - San Diego
New Cingular Wireless PCS LLC- Las Vegas
Nextel of California Inc.
Nextlink Wireless, LLC
Nextweb Inc
PALM SPRINGS UNIFIED SCHOOL DISTRICT
Pomona College - KSPC
QUALCOMM INC.
Quest Diagnostics Incorporated
REGIONAL TRANS. COM. OF SE NEVADA/FAST
REGIONAL TRANS. COMMISSION OF CLARK CO.
RIVERSIDE CITY CALIFORNIA
RIVERSIDE CITY CALIFORNIA
Regents of the University of California
Regents of the University of California
Regional 3Cs
Roomlinx, Inc.
SAN DIEGO UNIVERSITY
SAN DIEGO, CITY OF
SIERRA SANDS UNIFIED SCHOOL DISTRICT
SILVER STATE SCHOOLS CREDIT UNION

Company (Continued)

SKYLINK COMMUNICATIONS, L.P.
ST. JOSEPH HEALTH SYSTEM
STATION VENTURE OPERATIONS, LP
San Bernardino County of California
San Diego County
San Diego County Water Authority
San Diego Gas & Electric Company
San Diego Unified School District
San Diego, Port of - Harbor Police
Santa Barbara Cellular Systems, Ltd.
Santa Barbara, County of
Scripps Media, Inc.
Sky Valley Network LLC
Skyriver Communications
Smith Media License Holdings, LLC (KEYT)
Southern California Edison Company
Southern California Gas Company
Southern California Telephone Company
Southwestco Wireless L P -(AZ/NV)
Sparkplug Las Vegas, Inc.
Sparkplug Southwest, LLC
Sprint Spectrum LP DBA Sprint PCS
Sprint Telephony PCS, L.P.
Sprintcom, Inc. Puerto Rico
State of Nevada, Department of Info Tech
T-MOBILE LIC LLC - VOICESTREAM PCS BTA I
T-Mobile License LLC
THUMS Long Beach Company
TOM FADGEN
Time Warner Cable LLC
Time Warner NY Cable LLC
Towerstream Corp
Trango Systems, Inc.
Trillion Partners, Inc.
Turn Wireless, LLC
UCSD Healthcare
UNIVERSITY OF SOUTHERN CALIFORNIA
UbiquiTel Leasing Company
Union Pacific Railroad Company
Vectus, Inc
Ventura County Office of Education
Verizon California Inc.
Verizon Wireless (VAW) LLC (CA)
Verizon Wireless(VAW) LLC-AZ/CO/NM/NV/UT
Victor Valley College
WEST COVINA, CITY OF
WEST END COMMUNICATIONS AUTHORITY
WT Consulting Group, LLC
Wecom, Inc.
WireFree Communications
YUMA COUNTY WATER USERS ASSOCIATION
unWired Broadband, Inc

4. EARTH STATION COORDINATION DATA

This section presents the data pertinent to frequency coordination of the proposed earth station that was circulated to all carriers within its coordination contours.

COMSEARCH
Earth Station Data Sheet
 19700 Janelia Farm Boulevard, Ashburn, VA 20147
 (703)726-5500 <http://www.comsearch.com>

Date: 04/20/2012
 Job Number: 120319COMSJC04

Administrative Information

Status	ENGINEER PROPOSAL
Call Sign	
Licensee Code	INTELS
Licensee Name	Intelsat License LLC

Site Information

Venue Name	NUEVO, CALIFORNIA
Latitude (NAD 83)	33° 47' 42.7" N
Longitude (NAD 83)	117° 5' 22.5" W
Climate Zone	A
Rain Zone	4
Ground Elevation (AMSL)	569.06 m / 1867.0 ft

Link Information

Satellite Type	Low Earth Orbit
Mode	TR - Transmit-Receive
Modulation	Digital
Minimum Elevation Angle	5.0°
Azimuth Range	0.0° to 360°
Antenna Centerline (AGL)	7.32 m / 24.0 ft

Antenna Information

	Receive	Transmit			
Manufacturer	GD Satcom Technologies	GD Satcom Technologies			
Model	9.2 Meter	9.2 Meter			
Gain / Diameter	62.7 dBi / 9.2 m	65.4 dBi / 9.2 m			
3-dB / 15-dB Beamwidth	0.12° / 0.24°	0.08° / 0.17°			
Max Available RF Power	(dBW/4 kHz) (dBW/MHz)	- 0.9 23.1			
Maximum EIRP	(dBW/4 kHz) (dBW/MHz) (dBW)	64.5 88.0 88.0			
Interference Objectives:	Long Term Short Term	-156.0 dBW/MHz -146.0 dBW/MHz	20% 0.01%	-151.0 dBW/4 kHz -128.0 dBW/4 kHz	20% 0.0025%

Frequency Information

Emission / Frequency Range (MHz)	Receive 18.0 GHz	Transmit 28.0 GHz
	288KF2D / 19700.5	900KF2D / 28351.0
	288KF2D / 19702.5	900KF2D / 28353.0

Max Great Circle Coordination Distance	465.6 km / 289.3 mi	347.9 km / 216.2 mi
Precipitation Scatter Contour Radius	100.0 km / 62.1 mi	100.0 km / 62.1 mi

COMSEARCH
Earth Station Data Sheet
 19700 Janelia Farm Boulevard, Ashburn, VA 20147
 (703)726-5500 <http://www.comsearch.com>

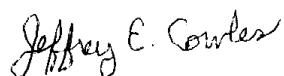
Coordination Values		NUEVO, CA					
Licensee Name	Intelsat License LLC						
Latitude (NAD 83)	33° 47' 42.7" N						
Longitude (NAD 83)	117° 5' 22.5" W						
Ground Elevation (AMSL)	569.06 m / 1867.0 ft						
Antenna Centerline (AGL)	7.32 m / 24.0 ft						
Antenna Model	GD Satcom Technologies 9.1 Meter						
Antenna Mode	Receive 18.0 GHz					Transmit 28.0 GHz	
Interference Objectives: Long Term	-156.0 dBW/MHz	20%				-151.0 dBW/4 kHz	20%
Short Term	-146.0 dBW/MHz	0.01%				-128.0 dBW/4 kHz	0.0025%
Max Available RF Power						-0.9 (dBW/4 kHz)	
Azimuth (°)		Horizon Elevation (°)	Antenna Discrimination (°)	Receive 18.0 GHz	Transmit 28.0 GHz		
Azimuth (°)		Horizon Elevation (°)	Antenna Discrimination (°)	Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
0	0.53	76.34	76.34	-10.00	373.70	-10.00	256.40
5	1.94	72.35	72.35	-10.00	373.70	-10.00	256.40
10	1.78	68.17	68.17	-10.00	373.70	-10.00	256.40
15	2.17	64.18	64.18	-10.00	373.70	-10.00	256.40
20	2.46	60.28	60.28	-10.00	373.70	-10.00	256.40
25	2.87	56.56	56.56	-10.00	373.70	-10.00	256.40
30	3.57	53.15	53.15	-10.00	373.70	-10.00	256.40
35	3.22	49.41	49.41	-10.00	373.70	-10.00	256.40
40	3.30	46.08	46.08	-10.00	373.70	-10.00	256.40
45	3.23	42.89	42.89	-10.00	373.70	-10.00	256.40
50	2.85	39.77	39.77	-10.00	373.70	-10.00	256.40
55	2.53	37.01	37.01	-10.00	373.70	-10.00	256.40
60	2.62	35.03	35.03	-10.00	373.70	-10.00	256.40
65	3.44	34.31	34.31	-10.00	373.70	-10.00	256.40
70	3.11	33.12	33.12	-10.00	373.70	-10.00	256.40
75	3.08	32.87	32.87	-7.96	386.60	-7.96	269.20
80	3.84	34.07	34.07	-4.20	410.40	-4.20	292.90
85	3.21	34.55	34.55	0.77	441.80	0.77	324.20
90	3.14	36.16	36.16	4.53	465.60	4.53	347.90
95	2.62	37.92	37.92	4.53	465.60	4.53	347.90
100	2.76	40.67	40.67	4.53	465.60	4.53	347.90
105	3.44	44.11	44.11	4.53	465.60	4.53	347.90
110	3.74	47.51	47.51	4.53	465.60	4.53	347.90
115	3.69	50.90	50.90	4.53	465.60	4.53	347.90
120	3.81	54.56	54.56	4.53	465.60	4.53	347.90
125	3.60	58.21	58.21	4.53	465.60	4.53	347.90
130	4.12	62.25	62.25	4.53	465.60	4.53	347.90
135	3.76	66.07	66.07	4.53	465.60	4.53	347.90
140	4.07	70.16	70.16	4.53	465.60	4.53	347.90
145	3.98	74.20	74.20	4.53	465.60	4.53	347.90
150	2.84	78.14	78.14	4.53	465.60	4.53	347.90
155	3.91	82.42	82.42	4.53	465.60	4.53	347.90
160	4.44	86.59	86.59	4.53	465.60	4.53	347.90
165	4.56	90.73	90.73	4.53	465.60	4.53	347.90
170	5.68	94.79	94.79	4.53	465.60	4.53	347.90
175	6.32	98.77	98.77	4.53	465.60	4.53	347.90
180	6.88	102.68	102.68	4.53	465.60	4.53	347.90

COMSEARCH
Earth Station Data Sheet
19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)726-5500 <http://www.comsearch.com>

Coordination Values		NUEVO, CA				
Licensee Name		Intelsat License LLC				
Latitude (NAD 83)		33° 47' 42.7" N				
Longitude (NAD 83)		117° 5' 22.5" W				
Ground Elevation (AMSL)		569.06 m / 1867.0 ft				
Antenna Centerline (AGL)		7.32 m / 24.0 ft				
Antenna Model		GD Satcom Technologies 9.2 Meter				
Antenna Mode		Receive 18.0 GHz			Transmit 28.0 GHz	
Interference Objectives: Long Term		-156.0 dBW/MHz	20%		-151.0 dBW/4 kHz	20%
Short Term		-146.0 dBW/MHz	0.01%		-128.0 dBW/4 kHz	0.0025%
Max Available RF Power					-0.9 (dBW/4 kHz)	
Azimuth (°)		Horizon Elevation (°)	Antenna Discrimination (°)	Receive 18.0 GHz	Transmit 28.0 GHz	
Azimuth (°)		Horizon Elevation (°)	Antenna Discrimination (°)	Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)
185	7.11	106.56	4.53	465.60	4.53	347.90
190	6.72	110.54	4.53	465.60	4.53	347.90
195	6.02	114.60	4.53	465.60	4.53	347.90
200	5.72	118.50	4.53	465.60	4.53	347.90
205	5.80	122.16	4.53	465.60	4.53	347.90
210	6.02	125.61	4.53	465.60	4.53	347.90
215	6.37	128.79	4.53	465.60	4.53	347.90
220	7.03	131.52	4.53	465.60	4.53	347.90
225	6.87	134.50	4.53	465.60	4.53	347.90
230	5.83	137.91	4.53	465.60	4.53	347.90
235	5.96	140.07	4.53	465.60	4.53	347.90
240	5.87	142.00	4.53	465.60	4.53	347.90
245	5.59	143.63	4.53	465.60	4.53	347.90
250	5.59	144.42	4.53	465.60	4.53	347.90
255	4.48	145.73	4.53	465.60	4.53	347.90
260	4.40	145.38	4.53	465.60	4.53	347.90
265	4.38	144.35	4.53	465.60	4.53	347.90
270	4.51	142.62	4.53	465.60	4.53	347.90
275	4.20	140.78	0.77	441.80	0.77	324.20
280	4.51	138.02	-4.20	410.40	-4.20	292.90
285	4.26	135.33	-7.96	386.60	-7.96	269.20
290	2.96	132.96	-10.00	373.70	-10.00	256.40
295	1.54	130.23	-10.00	373.70	-10.00	256.40
300	1.06	126.71	-10.00	373.70	-10.00	256.40
305	0.00	123.21	-10.00	373.70	-10.00	256.40
310	0.00	119.13	-10.00	373.70	-10.00	256.40
315	0.00	114.99	-10.00	373.70	-10.00	256.40
320	0.00	110.78	-10.00	373.70	-10.00	256.40
325	0.00	106.52	-10.00	373.70	-10.00	256.40
330	0.00	102.23	-10.00	373.70	-10.00	256.40
335	0.00	97.91	-10.00	373.70	-10.00	256.40
340	0.00	93.58	-10.00	373.70	-10.00	256.40
345	0.00	89.24	-10.00	373.70	-10.00	256.40
350	0.00	84.90	-10.00	373.70	-10.00	256.40
355	0.32	80.60	-10.00	373.70	-10.00	256.40

5. CERTIFICATION

I HEREBY CERTIFY THAT I AM THE TECHNICALLY QUALIFIED PERSON RESPONSIBLE FOR THE PREPARATION OF THE FREQUENCY COORDINATION DATA CONTAINED IN THIS APPLICATION, THAT I AM FAMILIAR WITH PARTS 101 AND 25 OF THE FCC RULES AND REGULATIONS, THAT I HAVE EITHER PREPARED OR REVIEWED THE FREQUENCY COORDINATION DATA SUBMITTED WITH THIS APPLICATION, AND THAT IT IS COMPLETE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



Jeffrey E. Cowles
Engineer III, Telecommunications
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, Va. 20147

DATED: April 20, 2012

EXHIBIT C

INTELSAT LICENSE LLC

30-DAY SPECIAL TEMPORARY AUTHORITY REQUEST

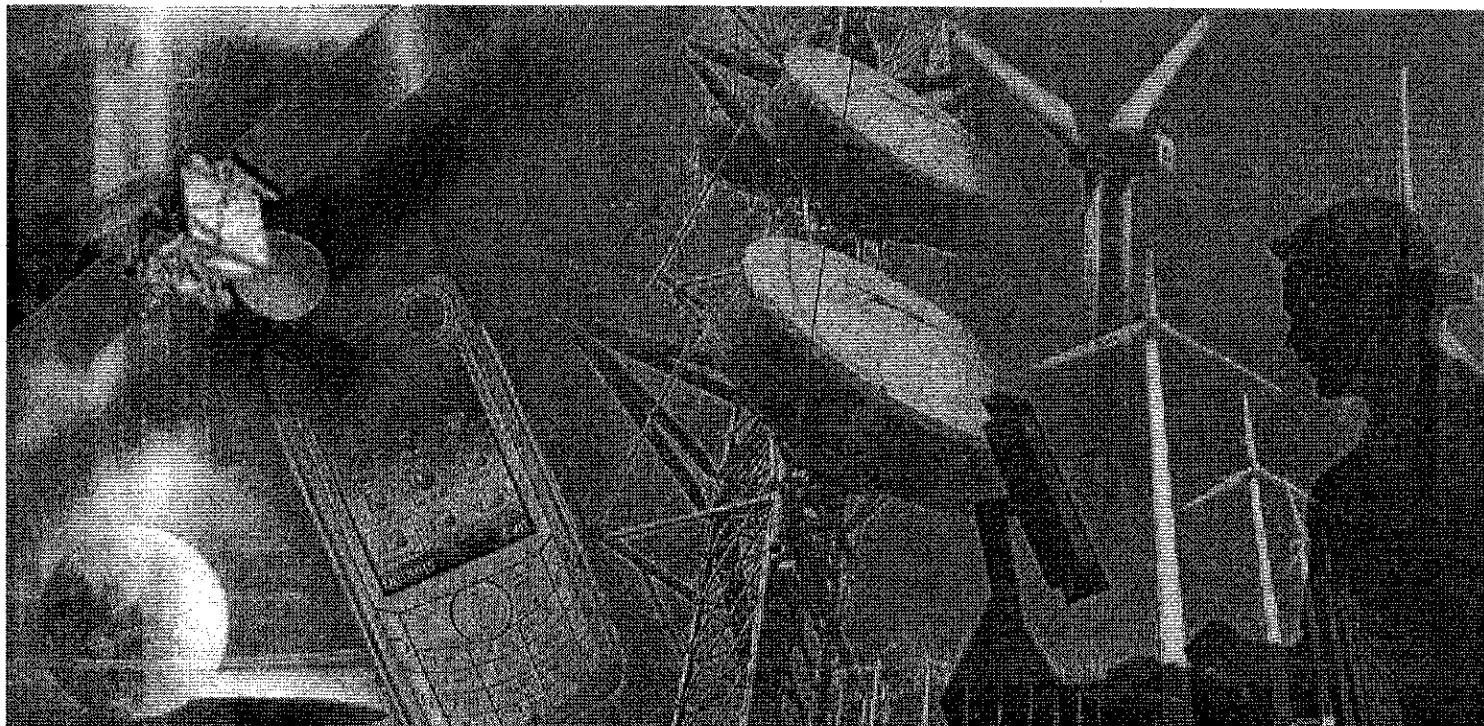
9.2 KA-BAND METER EARTH STATION

MAY 4, 2012

Ka-Band Earth Station – Nuevo, CA

Frequency Coordination Report

28 GHz



Prepared on Behalf of
Intelsat License LLC

April 20, 2012



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1. Summary of Results

On behalf of Intelsat's proposed earth station transmitting at 28 GHz¹, Comsearch performed a frequency search considering all existing and proposed terrestrial licenses within the coordination contours of the Ka-Band station in Nuevo, California. The search results identified licensees in the common carrier fixed microwave service and local television transmission service (LTTS). Prior notification letters were sent to the licensees and a copy of the notification data is provided in section three of this report. The earth station coordination was finalized on April 20, 2012.

No objections were received from any of the incumbent 28 GHz licensees.

2. 28 GHz Common Carrier and LTTS Coordination

In accordance with FCC Rules and Regulations, a Ka-Band earth station in Nuevo, CA was prior coordinated by Comsearch. The notification letters and datasheet for this earth station were sent to the following 28 GHz common carrier fixed microwave licensees on March 22, 2012. These licensees are authorized to operate temporary fixed operations from 27.5 – 29.5 GHz on a statewide or nationwide basis.

Licensee	Authorized Geographic Area
AT&T California	Statewide: California & Nevada
GTE Southwest Inc. dba Verizon Southwest	Continental US
M.U.T. Licensing, LLC	Statewide: California
Verizon California Inc.	Statewide: California

A notification letter and datasheet for the Ka-Band earth station in Nuevo, CA was also sent to the following 28 GHz local television transmission licensee on March 22, 2012. This licensee is authorized to operate temporary fixed operations from 27.5 – 29.5 GHz on a nationwide basis.

Licensee	Authorized Geographic Area
Information Super Station, LLC	Continental US

No objections were received from the common carrier or local television transmission service incumbents.

¹ The proposed earth station will operate in the 28,351 – 28,353 MHz portion of the Ka-Band.

3. Earth Station Coordination Data

This section presents the data pertinent to the proposed Ka-Band earth station in Nuevo, CA. This data was circulated to all incumbent licensees in the 28 GHz shared frequency ranges.

COMSEARCH
Earth Station Data Sheet
19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)726-5662 <http://www.comsearch.com>

Date: 03/20/2012

Administrative Information

Status	ENGINEER PROPOSAL
Call Sign	
Licensee Code	INTELS
Licensee Name	Intelsat License LLC

Site Information

NUEVO, CALIFORNIA	
Venue Name	
Latitude (NAD 83)	33° 47' 42.7" N
Longitude (NAD 83)	117° 5' 22.5" W
Climate Zone	A
Rain Zone	4
Ground Elevation (AMSL)	569.06 m / 1867.0 ft

Link Information

Satellite Type	Low Earth Orbit
Mode	TR - Transmit-Receive
Modulation	Digital
Minimum Elevation Angle	5.0°
Azimuth Range	0.0° to 360°
Antenna Centerline (AGL)	7.32 m / 24.0 ft

Antenna Information

	Receive	Transmit	
Manufacturer	GD Satcom Technologies	GD Satcom Technologies	
Model	9.2 Meter	9.2 Meter	
Gain / Diameter	62.7 dBi / 9.2 m	65.4 dBi / 9.2 m	
3-dB / 15-dB Beamwidth	0.12° / 0.24°	0.08° / 0.17°	
Max Available RF Power	(dBW/4 kHz) (dBW/MHz)	- 0.9 23.1	
Maximum EIRP	(dBW/4 kHz) (dBW/MHz) (dBW)	64.5 88.0 88.0	
Interference Objectives:	Long Term Short Term	-156.0 dBW/MHz 20% -146.0 dBW/MHz 0.01%	-151.0 dBW/4 kHz 20% -128.0 dBW/4 kHz 0.0025%

Frequency Information

Emission / Frequency Range (MHz)	Receive 18.0 GHz	Transmit 28.0 GHz
	288KF2D / 19700.5	900KF2D / 28351.0
	288KF2D / 19702.5	900KF2D / 28353.0

Max Great Circle Coordination Distance	465.6 km / 289.3 mi	347.9 km / 216.2 mi
Precipitation Scatter Contour Radius	100.0 km / 62.1 mi	100.0 km / 62.1 mi

COMSEARCH
Earth Station Data Sheet
19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)726-5662 <http://www.comsearch.com>

Coordination Values

Licensee Name	NUEVO, CA				
Latitude (NAD 83)	Intelsat License LLC				
Longitude (NAD 83)	33° 47' 42.7" N				
Ground Elevation (AMSL)	117° 5' 22.5" W				
Antenna Centerline (AGL)	569.06 m / 1867.0 ft				
Antenna Model	7.32 m / 24.0 ft				
Antenna Mode	GD Satcom Technologies 9.1 Meter				
Interference Objectives: Long Term	Receive 18.0 GHz	-156.0 dBW/MHz	20%	Transmit 28.0 GHz	-151.0 dBW/4 kHz
Short Term	-146.0 dBW/MHz	0.01%	-128.0 dBW/4 kHz	20%	0.0025%
Max Available RF Power	-0.9 (dBW/4 kHz)				

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 18.0 GHz		Transmit 28.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
0	0.53	76.34	-10.00	373.70	-10.00	256.40
5	1.94	72.35	-10.00	373.70	-10.00	256.40
10	1.78	68.17	-10.00	373.70	-10.00	256.40
15	2.17	64.18	-10.00	373.70	-10.00	256.40
20	2.46	60.28	-10.00	373.70	-10.00	256.40
25	2.87	56.56	-10.00	373.70	-10.00	256.40
30	3.57	53.15	-10.00	373.70	-10.00	256.40
35	3.22	49.41	-10.00	373.70	-10.00	256.40
40	3.30	46.08	-10.00	373.70	-10.00	256.40
45	3.23	42.89	-10.00	373.70	-10.00	256.40
50	2.85	39.77	-10.00	373.70	-10.00	256.40
55	2.53	37.01	-10.00	373.70	-10.00	256.40
60	2.62	35.03	-10.00	373.70	-10.00	256.40
65	3.44	34.31	-10.00	373.70	-10.00	256.40
70	3.11	33.12	-10.00	373.70	-10.00	256.40
75	3.08	32.87	-7.96	386.60	-7.96	269.20
80	3.84	34.07	-4.20	410.40	-4.20	292.90
85	3.21	34.55	0.77	441.80	0.77	324.20
90	3.14	36.16	4.53	465.60	4.53	347.90
95	2.62	37.92	4.53	465.60	4.53	347.90
100	2.76	40.67	4.53	465.60	4.53	347.90
105	3.44	44.11	4.53	465.60	4.53	347.90
110	3.74	47.51	4.53	465.60	4.53	347.90
115	3.69	50.90	4.53	465.60	4.53	347.90
120	3.81	54.56	4.53	465.60	4.53	347.90
125	3.60	58.21	4.53	465.60	4.53	347.90
130	4.12	62.25	4.53	465.60	4.53	347.90
135	3.76	66.07	4.53	465.60	4.53	347.90
140	4.07	70.16	4.53	465.60	4.53	347.90
145	3.98	74.20	4.53	465.60	4.53	347.90
150	2.84	78.14	4.53	465.60	4.53	347.90
155	3.91	82.42	4.53	465.60	4.53	347.90
160	4.44	86.59	4.53	465.60	4.53	347.90
165	4.56	90.73	4.53	465.60	4.53	347.90
170	5.68	94.79	4.53	465.60	4.53	347.90
175	6.32	98.77	4.53	465.60	4.53	347.90
180	6.88	102.68	4.53	465.60	4.53	347.90
185	7.11	106.56	4.53	465.60	4.53	347.90

COMSEARCH
Earth Station Data Sheet
19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)726-5662 <http://www.comsearch.com>

Coordination Values

Licensee Name Intelsat License LLC

Latitude (NAD 83) 33° 47' 42.7" N

Longitude (NAD 83) 117° 5' 22.5" W

Ground Elevation (AMSL) 569.06 m / 1867.0 ft

Antenna Centerline (AGL) 7.32 m / 24.0 ft

Antenna Model GD Satcom Technologies 9.2 Meter

Antenna Mode Receive 18.0 GHz

Interference Objectives: Long Term	-156.0 dBW/MHz	20%	-151.0 dBW/4 kHz	20%
Short Term	-146.0 dBW/MHz	0.01%	-128.0 dBW/4 kHz	0.0025%

Max Available RF Power -0.9 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 18.0 GHz		Transmit 28.0 GHz	
			Gain (dBi)	Coordination Distance (km)	Gain (dBi)	Coordination Distance (km)
190	6.72	110.54	4.53	465.60	4.53	347.90
195	6.02	114.60	4.53	465.60	4.53	347.90
200	5.72	118.50	4.53	465.60	4.53	347.90
205	5.80	122.16	4.53	465.60	4.53	347.90
210	6.02	125.61	4.53	465.60	4.53	347.90
215	6.37	128.79	4.53	465.60	4.53	347.90
220	7.03	131.52	4.53	465.60	4.53	347.90
225	6.87	134.50	4.53	465.60	4.53	347.90
230	5.83	137.91	4.53	465.60	4.53	347.90
235	5.96	140.07	4.53	465.60	4.53	347.90
240	5.87	142.00	4.53	465.60	4.53	347.90
245	5.59	143.63	4.53	465.60	4.53	347.90
250	5.59	144.42	4.53	465.60	4.53	347.90
255	4.48	145.73	4.53	465.60	4.53	347.90
260	4.40	145.38	4.53	465.60	4.53	347.90
265	4.38	144.35	4.53	465.60	4.53	347.90
270	4.51	142.62	4.53	465.60	4.53	347.90
275	4.20	140.78	0.77	441.80	0.77	324.20
280	4.51	138.02	-4.20	410.40	-4.20	292.90
285	4.26	135.33	-7.96	386.60	-7.96	269.20
290	2.96	132.96	-10.00	373.70	-10.00	256.40
295	1.54	130.23	-10.00	373.70	-10.00	256.40
300	1.06	126.71	-10.00	373.70	-10.00	256.40
305	0.00	123.21	-10.00	373.70	-10.00	256.40
310	0.00	119.13	-10.00	373.70	-10.00	256.40
315	0.00	114.99	-10.00	373.70	-10.00	256.40
320	0.00	110.78	-10.00	373.70	-10.00	256.40
325	0.00	106.52	-10.00	373.70	-10.00	256.40
330	0.00	102.23	-10.00	373.70	-10.00	256.40
335	0.00	97.91	-10.00	373.70	-10.00	256.40
340	0.00	93.58	-10.00	373.70	-10.00	256.40
345	0.00	89.24	-10.00	373.70	-10.00	256.40
350	0.00	84.90	-10.00	373.70	-10.00	256.40
355	0.32	80.60	-10.00	373.70	-10.00	256.40

4. Contact Information

For questions or information regarding the 28 GHz Frequency Coordination Report, please contact:

Contact person: Joanna Lynch
Title: Manager, Spectrum & Data Solutions
Company: Comsearch
Address: 19700 Janelia Farm Blvd., Ashburn, VA 20147
Telephone: 703-726-5711
Fax: 703-726-5599
Email: jlynch@comsearch.com
Web site: www.comsearch.com

EXHIBIT D

INTELSAT LICENSE LLC

30-DAY SPECIAL TEMPORARY AUTHORITY REQUEST

9.2 KA-BAND METER EARTH STATION

MAY 4, 2012

EXHIBIT D
Page 1 of 1

FAA Notification Not Required

Per Section 17.14 (a) of the FCC's rules, FAA notification is not required, as the antenna structure is located in an area with structures of equal or greater heights.