



PUBLIC NOTICE

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July 23, 2004

Ka-Band Licenses Surrendered; Current List of Orbital Locations Not Available for Licensing in Portions of the Ka-Band

Report No. SPB-208

In this Public Notice, we announce the surrender of various licenses in portions of the Ka-band frequencies. We also provide an updated list of all of the Ka-band orbit locations where satellites are assigned to commercial licenses or are authorized for Federal Government operations. Prospective applicants should consult this list before filing a Ka-band application.

S2187 Hughes Network Systems, Inc. (File No. SAT-LOA-19950929-00127)

On April 14, 2004, Hughes Network Systems filed a letter surrendering its authorization to construct, launch, and operate a Ka-band FSS satellite at 101 degrees E.L. (Letter from Michael L. Cook, Sr. Vice President & General Manager, SPACEWAY, to Marlene H. Dortch, Secretary, Federal Communications Commission (April 14, 2004)). Hughes was authorized to operate its satellite at the 101 degree E.L. orbit location in the 18.3-18.8, 19.7-20.2, 28.35-28.6, and 29.25-30.0 GHz frequency bands. Accordingly, the frequencies at this orbit location are available for reassignment effective 11:00 AM EST on the day this public notice is released.

S2188 Hughes Network Systems, Inc. (File No. SAT-LOA-19950929-00128)

On April 14, 2004, Hughes Network Systems filed a letter surrendering its authorization to construct, launch, and operate a Ka-band FSS satellite at 111 degrees E.L. (Letter from Michael L. Cook, Sr. Vice President & General Manager, SPACEWAY, to Marlene H. Dortch, Secretary, Federal Communications Commission (April 14, 2004)). Hughes was authorized to operate its satellite at the 111 degree E.L. orbit location in the 18.3-18.8, 19.7-20.2, 28.35-28.6, and 29.25-30.0 GHz frequency bands. This orbit location in the 17.8-20.2 GHz band *is not available* for reassignment.

**S2185 Hughes Network Systems, Inc.
(File No. SAT-LOA-19950929-00125)**

On April 14, 2004, Hughes Network Systems filed a letter surrendering its authorization to construct, launch, and operate a Ka-band FSS satellite at 49 degrees W.L. (Letter from Michael L. Cook, Sr. Vice President & General Manager, SPACEWAY, to Marlene H. Dortch, Secretary, Federal Communications Commission (April 14, 2004)). Hughes was authorized to operate its satellite at the 49 degree W.L. orbit location in the 18.3-18.8, 19.7-20.2, 28.35-28.6, and 29.25-30.0 GHz frequency bands. Accordingly, the frequencies at this orbit location are available for reassignment effective 11:00 AM EST on the day this public notice is released.

**S2190 Hughes Network Systems, Inc.
(File No. SAT-LOA-19950929-00137)**

On May 19, 2004, Hughes Network Systems filed a letter surrendering its authorization to construct, launch, and operate a Ka-band FSS satellite at 25 degrees E.L. (Letter from Mike Cook, Sr. Vice President & General Manager, SPACEWAY, to Marlene H. Dortch, Secretary, Federal Communications Commission (May 19, 2004)). Hughes was authorized to operate its satellite at the 25 degree E.L. orbit location in the 18.3-18.8, 19.7-20.2, 28.35-28.6, and 29.25-30.0 GHz frequency bands. Accordingly, the frequencies at this orbit location are available for reassignment effective 11:00 AM EST on the day this public notice is released.

S2140 Celsat America, Inc.

On July 17, 2004, Celsat America, Inc., filed an application to modify its authorization to operate in portions of the 2 GHz band using feeder links in specific frequencies in the Ka-band. (Application for Minor Modification to Space Station Authorization of Celsat America, Inc., File No. SAT-MOD-20040717-00134 (filed July 17, 2004)). In this application, Celsat among other things, surrenders its Ka-band authorization at the 83 degree W.L. orbit location.¹ Specifically, Celsat was authorized to operate feeder links, for use with service links in portions of the 2 GHz band, at the 83 degree W.L. orbit location in the 18.3-18.8, 28.35-28.6 and 29.25-29.5 GHz frequency bands. Accordingly, these Ka-band frequencies at this orbit location are available for reassignment effective 11:00 AM EST on the day this public notice is released.

I. CURRENT LIST OF ORBIT LOCATIONS UNAVAILABLE IN PORTIONS OF THE KA-BAND

Attached is a list of nominal orbital locations where specific Ka-band frequency bands are no longer available for licensing because: 1) the FCC has licensed a satellite to operate in those

¹ This Public Notice does not address the status of Celsat's license for service links in the 2 GHz frequency band.

frequencies at that location, 2) the FCC has granted market access to a foreign satellite in those frequencies at that location or 3) the Federal Government has authorized a satellite to operate in those frequencies at that location.² Orbital locations that are less than two degrees away from the orbital locations on this list are also unavailable at this time for satellite licensing in these frequency bands.

² Letter from Fredrick R. Wentland, Associate Administrator, Office of Spectrum, National Telecommunications and Information Administration to Thomas Tycz, Chief, Satellite Division, International Bureau, Federal Communications Commission (dated March 4, 2004).

Orbit Location	Licensee or Other User	Call Sign	Frequency Band
144° W.L.	Federal Government	N/A	17.8-20.2 GHz
141° W.L.	Federal Government	N/A	17.8-20.2 GHz
129° W.L.	Rainbow DBS Company LLC	S2554	18.3-18.8 GHz; 19.7-20.2 GHz; 28.35-28.6 GHz, 29.25-30.0 GHz
127° W.L.	Federal Government	N/A	17.8-20.2 GHz
123° W.L.	EchoStar Satellite L.L.C.	S2490	18.3-18.8 GHz; 19.7-20.2 GHz; 28.35-28.6 GHz, 29.25-30.0 GHz
121° W.L.	EchoStar Satellite L.L.C.	S2179	19.7-19.9 GHz 20.0-20.2 GHz 29.5-29.7 GHz 29.8-30.0 GHz
121° W.L.	Celsat America Inc.	S2139	18.3-18.8; 28.35-28.6; 29.25-29.5 GHz
119° W.L.	Rainbow DBS Company LLC	S2555	18.3-18.8 GHz; 19.7-20.2 GHz; 28.35-28.6 GHz, 29.25-30.0 GHz
115° W.L.	CyberStar Licensee LLC	S2163	18.55-18.8 GHz; 19.7-20.2 GHz; 28.35-28.6 GHz, 29.5-30.0 GHz
113° W.L.	Visionstar Incorporated	S2210	18.3-18.8 GHz 19.7-20.2 GHz 28.35-28.6 GHz 29.25-30.0 GHz
111° W.L.	Anik F2	S2472	19.7-20.2 GHz 29.5-30.0 GHz
109.2° W.L.	WB Holdings 1, LLC	S2211	19.7-20.2 GHz; 29.5-30.0 GHz
109.2° W.L.	WB Holdings 1, LLC	S2355	18.3-18.8 GHz 28.35-28.6 GHz, 29.25-29.5 GHz
107° W.L.	Pegasus Development Corporation	S2351	18.35-18.8 GHz; 19.7-20.2 GHz; 28.35-28.6 GHz, 29.25-30.0 GHz

105° W.L.	SES Americom, Inc.	S2180	18.3-18.8 GHz; 19.7-20.2 GHz; 28.35-28.6 GHz, 29.25-30.0 GHz
103° W.L.	The DIRECTV Group, Inc.	S2191	18.3-18.8 GHz; 19.7-20.2 GHz; 28.35-28.6 GHz, 29.25-30.0 GHz
101° W.L.	DIRECTV Enterprises, LLC	S2132	18.3-18.8 GHz; 19.7-20.2 GHz; 28.35-28.6 GHz, 29.25-30.0 GHz
99° W.L.	The DIRECTV Group, Inc.	S2133	18.3-18.8 GHz; 19.7-20.2 GHz; 28.35-28.6 GHz, 29.25-30.0 GHz
97° W.L.	EchoStar Satellite LLC	S2499	18.3-18.8 GHz; 19.7-20.2 GHz; 28.35-28.6 GHz, 29.25-30.0 GHz
95° W.L.	NetSat 28 Company, L.L.C.	S2204	19.7-20.2 GHz; 28.35-28.6 GHz, 29.25-30.0 GHz
93° W.L.	CyberStar Licensee LLC	S2198	18.55-18.8 GHz; 19.7-20.2 GHz; 28.35-28.6 GHz, 29.5-30.0 GHz
89° W.L.	Intelsat North America LLC	S2205	19.7-20.2 GHz; 29.50-30.0 GHz
87° W.L.	Pegasus Development Corporation	S2603	18.3-18.8 GHz; 19.7-20.2 GHz; 28.35-28.6 GHz, 29.25-30.0 GHz
85° W.L.	SES Americom, Inc.	S2181	18.3-18.8 GHz; 19.7-20.2 GHz; 28.35-28.6 GHz, 29.25-30.0 GHz
83° W.L.	EchoStar Satellite Corporation	S2178	19.7-20.2 GHz; 29.5-30.0 GHz
77° W.L.	Rainbow DBS Company LLC	S2486	18.3-18.8 GHz; 19.7-20.2 GHz; 28.35-28.6 GHz, 29.25-30.0 GHz

71° W.L.	Rainbow DBS Company LLC	S2488	18.3-18.8 GHz; 19.7-20.2 GHz; 28.35-28.6 GHz; 29.25-30.0 GHz
69° W.L.	Federal Government		17.8-20.2 GHz;
67° W.L.	Loral Orion, Inc. (Debtor-in-Possession)	S2383	18.3-18.8 GHz; 19.7-20.2 GHz; 28.35-28.6 GHz; 29.25-30.0 GHz
65° W.L.	Federal Government		17.8-20.2 GHz;
62° W.L.	Rainbow DBS Company LLC	S2485	18.3-18.8 GHz; 19.7-20.2 GHz; 28.35-28.6 GHz; 29.25-30.0 GHz
60° W.L.	Federal Government		17.8-20.2 GHz;
30.4° W.L.	Federal Government		17.8-20.2 GHz;
30° W.L.	Federal Government		17.8-20.2 GHz;
24° W.L.	Federal Government		17.8-20.2 GHz;
15° W.L.	Loral Orion, Inc. (Debtor-in-Possession)	S2219	18.3-18.8 GHz; 19.7-20.2 GHz; 28.35-28.6 GHz; 29.25-30.0 GHz
13° W.L.	Federal Government		17.8-20.2 GHz;
10° W.L.	Federal Government		17.8-20.2 GHz;
0° E.L.	Federal Government		17.8-20.2 GHz;
44° E.L.	Federal Government		17.8 -20.2 GHz;
75° E.L.	Federal Government		17.8-20.2 GHz;
82° E.L.	Federal Government		17.8-20.2 GHz
92° E.L.	Federal Government		17.8-20.2 GHz;
110° E.L.	Federal Government		17.8-20.2 GHz
126.5° E.L.	Loral Orion, Inc. (Debtor-in-Possession)	S2384	18.3-18.8 GHz; 19.7-20.2 GHz; 28.35-28.6 GHz; 29.25-30.0 GHz
139° E.L.	Loral Orion, Inc. (Debtor-in-Possession)	S2218	18.3-18.8 GHz; 19.7-20.2 GHz; 28.35-28.6 GHz; 29.25-30.0 GHz