

August 27, 2009

Mr. James Burtles, Chief
Experimental Licensing Branch
Office of Engineering and Technology
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Re: Application for Special Temporary Authority

Pursuant to Section 5.61¹ of the Rules and Regulations (“Regulations”) of the Federal Communications Commission, Skyport Global Communications, Inc.² (“Skyport”), respectfully requests a Special Temporary Authorization (“STA”) to test an antenna. A film of the test will be created for display at the MILCOM 2009 trade show in Boston, Massachusetts.

Skyport requests authorization to test the XTAR 60cm, model 205471-1, slot-array X-band antenna manufactured by EMS Technologies, Inc. (the “Antenna” or “Atlanta Antenna”) (See Exhibit A for Antenna specs). The test will be done by establishing a satellite link between the Antenna, located in Atlanta, and Houston where a hub with internet and public telephone connectivity is located.

The requested STA period is for 60 days beginning September 14, 2009 and ending November 14, 2009. The operation will include pre-show and post-show testing. Because the testing of the Antenna will be filmed and exhibited at a tradeshow, this operation is justified by Section 5.3(f)³ of the Regulations as a demonstration of equipment to prospective purchasers.

The addresses for the locations are as follows:

Houston Hub Station

The Houston Hub station is Syport’s teleport and headquarters. There are several antennas licensed in this location, including those with callsigns E050044, E010295, and E000361. However, the hub antenna to be used for the operation at issue is not covered in any of these callsigns. This will be a temporary fixed 3.8m X-band antenna manufactured by L3 (model USC368). The address and coordinates for the Houston Hub Station are:

Skyport Global Communications
11140 Aerospace Avenue, Houston, Texas 77034

¹ 47 C.F.R. §5.61

² Skyport Global Communications, Inc. located at 11140 Aerospace Avenue, Houston, Texas 77034. (281) 448-7500 phone. (281) 999-4455 fax. Website: www.skyportglobal.com. Email: dawn.cole@skyportglobal.com

³ 47 C.F.R. §5.3(f)

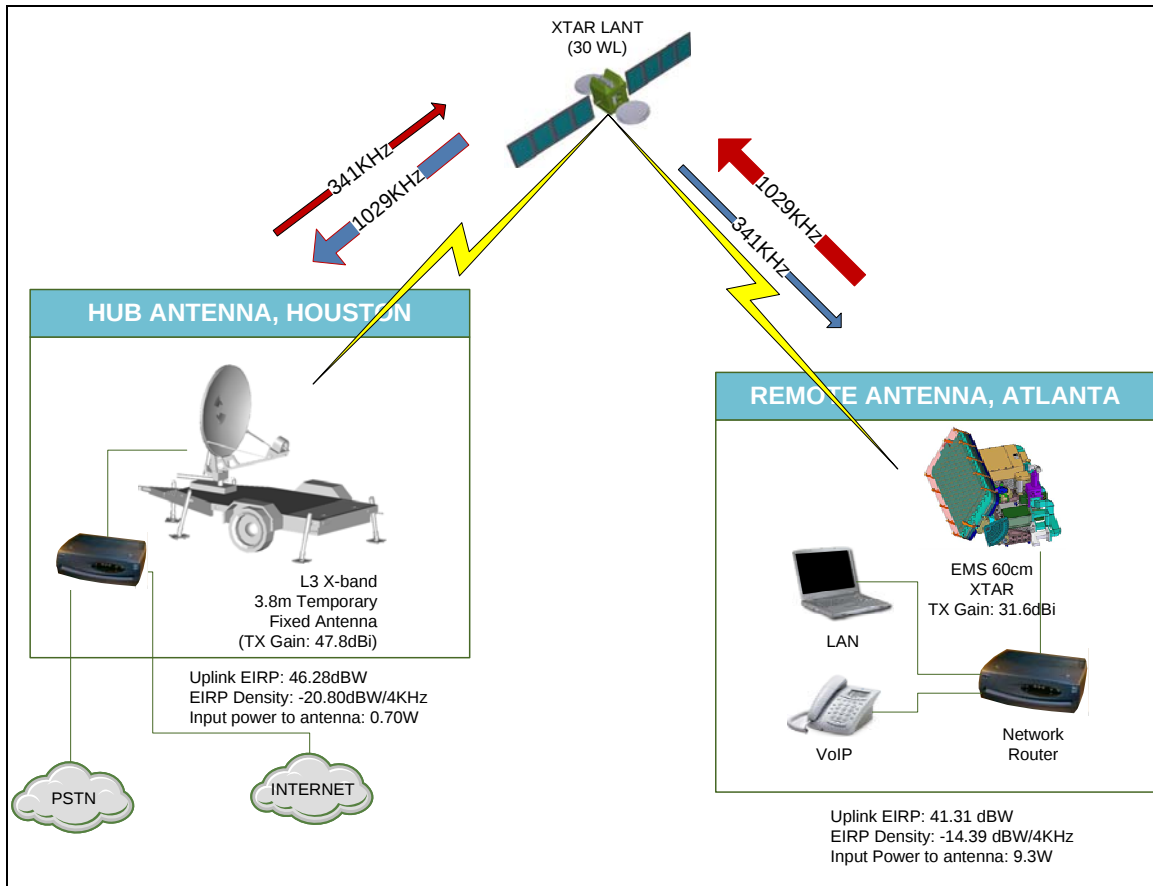
(29° 36' 35.5" N 95° 10' 29.7" W)

Atlanta Antenna Station

The Atlanta Antenna station is operated by EMS Technologies, Inc. The Antenna will be an XTAR 60cm slot-array X-band described in detail in Exhibit A. The filming of the tests will be displayed at the MILCOM 2009 trade show⁴ that attracts a large number of U.S. military agencies, military sub-contractors, and vendors that manufacture equipment for military applications. The address and coordinates for the Atlanta Antenna station are:

EMS Technologies, Inc.
660 Engineering Drive
Norcross, Georgia, 30092
(33° 57' 59" N, 84° 13' 44" W)

The figure below shows a representation of the network.



The testing will include phone connectivity to the public switched telephone network as well as Internet access. To accomplish this, the Atlanta Antenna will communicate with the XTAR LANT X-band satellite located at 30 degrees W.L. and operated by XTAR, LLC www.xtarllc.com/. The planned frequencies of operation are 8.35GHz (earth-to-space) and

⁴ Seaport World Trade Center Boston, 200 Seaport Blvd., Boston, Massachusetts 02210.

7.70GHz (space-to-earth). Asymmetrical digital carriers will be used with occupied bandwidths of 1029MHz for the inbound (remote-to-hub) and 341KHz for the outbounds (hub-to-remote). Therefore, the emission designators will be classified as 1M02G7W and 341KG7W respectively.

The effective isotropic radiated power (e.i.r.p.) will be 46.28dBW, and 41.31dBW for the Houston Hub station, Atlanta Antenna respectively. The e.i.r.p density will be -20.80 dBW/Hz, and -14.39 dBW/4KHz for the Houston Hub station, Atlanta Antenna respectively.

For the demonstration at issue, Federal Aviation Administration notification is not required pursuant to Section 17.14(a)⁵ of the Regulations because the proposed antennas in all three locations are located with existing structures of existing structures of equal or greater height.

Point of Contact to Terminate Transmissions if Interference Occurs

Attn: Gil Huguley
Sr. RF Engineer
Skyport Global Communications
11140 Aerospace Avenue, Houston, Texas 77034
(832) 448-1043

Sincerely,

/s/ Raul Magallanes
Raul Magallanes
Counsel to Skyport

⁵ 47 C.F.R. §7.14(a).