

MeshNetworks, Inc.
Experimental STA Request
June 8, 2001
File No. 0213-EX-ST-2001

Exhibit 1

This request seeks special temporary authority (“STA”) to operate wireless equipment to test for functionality and customer suitability. In support of this request, the following is shown:

(1) Applicant's Name and Address:

MeshNetworks, Inc.
485 North Keller Road, Suite 250
Maitland, FL 32751

General Contact:

Clifford Chillemi
Vice President and General Counsel
MeshNetworks, Inc.
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Technical Contact:

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Vice President, Program Management & System Engineering
MeshNetworks, Inc.
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(2) Need for Special Action:

MeshNetworks seeks FCC authorization to display, test, and operate prototype wireless equipment so that it may meet competitive challenges and investor expectations. The next step in its testing, which it proposes to commence on June 22, 2001, is to obtain field test results so that product development can proceed and so that it can demonstrate system feasibility to its investors.

(3) Description and Purpose of Operation:

MeshNetworks is developing a data-centric wireless communication system that provides multimedia services (voice, data, video, and location) to mobile personal Internet devices such as personal digital assistants (PDAs) and laptop computers. Its system achieves this through the use of advanced, patented IP-based peer-to-peer ad hoc networking technology and a high performance wireless modem.

The system will support connection between subscribers within a neighborhood, metropolitan area, or region via a QDMA LAN/WAN and between subscribers via the public switched telephone network, the wired Internet, and other networks. Like cellular systems, it is designed to support mobile users.

(4) Date of Operation:

June 22, 2001, through December 22, 2001

(5) Classes of Stations:

Temporary fixed and temporary mobile

(6) Location of Proposed Operation:

The main facility in which radio units will be developed and tested is MeshNetworks company headquarters, located at 485 North Keller Road, Suite 250, Maitland, Orange County, Florida 32751 (NAD-83 coordinates 28-37-55.5 N, 81-23-57.3 W). Fixed units will be placed on rooftops, billboards, water towers, cell towers, utility poles, and streetlight poles within 40 kilometers of this address. Mobile units will be used by persons in vehicles and by pedestrians and will traverse the area in which coverage is provided by the fixed units.

None of the units would be marketed to the public under this STA, and MeshNetworks would inform test participants that the devices have not been approved by the FCC and cannot be offered for sale or lease to the public. In addition, MeshNetworks would advise entities receiving the equipment that permission to operate the equipment has been granted under experimental authority issued to MeshNetworks, that such operation is strictly temporary, and that the equipment may not cause harmful interference. Accordingly, MeshNetworks proposes to label the equipment or user information as follows:

FCC STATEMENT

Permission to operate this device has been granted under experimental authority issued by the Federal Communications Commission to MeshNetworks is strictly temporary and may be cancelled at any time. Operation is subject to the following two conditions (1) this device may not cause harmful interference and (2) this device must accept any interference received including interference that may cause undesired operation.

This device has not been authorized as required by the rules of the FCC and is not, and may not be, offered for sale or sold until authorization is obtained. Thus, the user does not hold a property right in the device and may be required to return the device.

(7) Equipment to Be Used:

In the initial deployment during the 6-month period covered by this STA, MeshNetworks intends to deploy a maximum of 50 fixed radio units and intends to test a maximum of 200 mobile radio units. MeshNetworks will have the fixed and mobile equipment fabricated to its design by contract manufacturers.

(8) Frequencies Desired:

MeshNetworks' wireless equipment will operate in the second ISM (Industrial, Scientific, and Medical) Band—2.4 GHz to 2.4835 GHz. It will operate according to Part 15 guidelines.

(9) Radiated Power:

MeshNetworks' wireless equipment will meet the output power guidelines of Part 15 of the Commission's Rules.

(10) Type of Emission:

The emission type is 80M0G7D, in accordance with Section 2.201 of the Commission's Rules. Other emission modes may be utilized, but in no event will the emissions extend beyond the frequency band requested.

(11) Overall Height of Antenna Above Ground:

The antennas will not extend more than 6 meters above the ground or, if mounted on an existing building, will not extend more than 6 meters above the building. If the antennas are mounted on existing structures other than buildings, they will be installed in accordance with FAA and FCC rules and regulations.

(12) Anti-Drug Abuse Certification:

MeshNetworks hereby certifies that it, its officers and directors, and any party with five percent or greater interest in this request for special temporary authorization is not subject to a denial of Federal benefits requested herein pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. §862.

A check for \$50.00 (Fee Type Code "EAE") and a completed FCC Form 159 remittance advice worksheet will be submitted in accordance with the FCC's procedures.

Please call our FCC counsel Kurt E. DeSoto or Tom Dombrowsky of Wiley, Rein & Fielding at (202) 719-7000 should you have questions regarding this request.