

CAVU, Inc.
4525 Vineland Road
Orlando, Florida 32811

May 23, 2000

Federal Communications Commission
Experimental Radio Services
P.O. Box 358320
Pittsburgh, PA 15251-5320

**Re: CAVU, Inc. ("Triton")
Request for Special Temporary Authority ("STA")
Covering Operations In The 39 GHz Frequency Band**

Dear Sir or Madam:

This is a request for STA, submitted pursuant to FCC rule section 5.61, 47 C.F.R. § 5.61 (1999). CAVU seeks STA, for a time period not to exceed one hundred and eighty (180) days, to test and operate fixed microwave equipment in the 38.6 – 40.0 GHz frequency band on a geographic area basis. Pursuant to rule section 5.61, CAVU specifies the following information in support of its request for STA:

(1) Name, address, phone number (also e-mail address and facsimile number, if available) of the applicant.

See above. CAVU's points of contact are Jo Ellen Andrew, 407-481-2500, and its FCC counsel, Russ Taylor, Gardner, Carton & Douglas, 1301 K Street, NW, Suite 900, Washington, D.C. 20005, (202) 408-7172, rtaylor@gcd.com. The FCC may correspond with CAVU's counsel via facsimile no. 202-289-1504.

(2) Description of why an STA is needed.

STA is urgently required to permit CAVU to commence testing and operation of fixed wireless microwave transmission services between CAVU's Network Operations Center ("NOC") and its nearby headquarters. CAVU is a newly-formed wireless broadband Internet Service Provider ("ISP") with its headquarters in the Orlando area. CAVU recently sought FCC approval to acquire, by means of assignment, 39 GHz licenses covering Jacksonville, Cleveland, and Oklahoma City. Further, CAVU will soon seek assignment of 39 GHz licenses covering Oxnard, Colorado Springs, and Salt Lake City. CAVU requires STA to demonstrate its wireless broadband services to potential customers at its Florida headquarters.

(3) Description of the operation to be conducted and its purpose.

See above. CAVU is a leading provider of millimeter wave digital transmission services. See www.e-xpedient.com.

(4) Time and dates of proposed operation.

CAVU desires to commence STA operations as soon as possible, and intends to test intermittently for a period of one hundred and eighty (180) days.

(5) Class(es) of station (fixed, mobile, fixed and mobile) and call sign of station (if applicable).

Fixed.

(6) Description of the location(s) and, if applicable, geographical coordinates of the proposed operation.

CAVU seeks authority to operate within a **five-mile** radius of its Orlando headquarters: N 28-29-27 / W 081-26-40. CAVU's headquarters is located at 4901 Vineland Road, Orlando, FL 32811. This radius service area will permit CAVU to transmit signals to its NOC, and other testing locations in the immediate vicinity.

(7) Equipment to be used, including name of manufacturer, model and number of units.

The transmission equipment used in conjunction with CAVU's STA operations is FCC-approved and is manufactured by Triton Network Systems, Inc. CAVU may also use other "off-the-shelf" transmission equipment, antennas, cabling, etc.

(8) Frequency(ies) desired.

38350 – 38900 MHz; and
39550 – 39600 MHz

These frequency assignments form paired channel no. 6 A&B in the 39 GHz radio service. 47 C.F.R. § 101.147 (1999). The FCC recently concluded Auction 30 for this radio service and the auction winner for this channel, DCT Spirit, LLC ("DCT") is not yet operational in the Orlando area. CAVU pledges to operate on a secondary basis and protect DCT from harmful interference when DCT commences operations.

(9) Maximum effective radiated power (ERP) or equivalently isotropically radiated power (EIRP).

+55 dBW (EIRP), as specified in FCC rule section 101.113.

(10) Emission designator (see §2.201 of this chapter) or describe emission (bandwidth, modulation, etc.).

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(11) Overall height of antenna structure above the ground (if greater than 6 meters above the ground or an existing structure, see Part 17 of this Chapter concerning notification to the FAA).

CAVU does not intend to mount its transmission equipment on any antenna structure that is greater than 6 meters above an existing structure. CAVU's antenna and mounting structure are less than 3 meters in height.

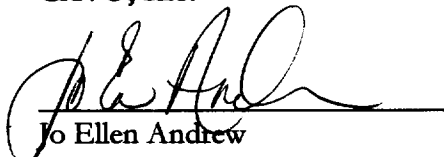
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CAVU certifies that it is not subject to the denial of federal benefits pursuant to the Anti-Drug Abuse Act of 1988.

Based on the foregoing, CAVU respectfully requests that the FCC issue STA for CAVU to test and operate its equipment in the 39 GHz frequency band.

Respectfully submitted,

CAVU, Inc.


Jo Ellen Andrew
Vice President