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LAW OFFICES
GOLDBERG, GODLES, WIENER & WRIGHT
1229 NINETEENTH STREET, N.W.
WASHINGTON, D.C. 20036

HENRY GOLDBERG
JOSEPH A. GODLES
JONATHAN WIENER
HENRIETTA WRIGHT
W. KENNETH FERREE

THOMAS G. GHERARDI, P.C.
MARY J. DENT
COUNSEL

(202) 429-4900
TELECOPIER:
(202) 429-4912

e-mail:
general@g2w2.com

January 13, 1999

ORIGINAL

By Hand

Mr. Carl Huie
Federal Communications Commission
Office of Engineering and Technology
2000 M Street NW
Washington, DC 20554

Re: Triton Network Systems, Inc.
Request for Special Temporary Authority
File No. 0085-~~PX~~-ST-98

Dear Mr. Huie:

Triton Network Systems, Inc. ("Triton"), by its counsel, hereby amends its above-referenced application for Special Temporary Authority ("STA"), submitted on December 10, 1998. As noted in its original request for STA, Triton is applying for STA to cover certain operational aspects of its underlying application for experimental authorization, filed on July 15, 1998. Triton reiterates that it is seeking STA for a period of no longer than 180 days, to begin as soon as possible. Please find below the additional information requested of your office regarding the subject STA request.

1. Locations of proposed operation: Triton seeks to perform its experimentation in two metropolitan areas, here defined by their respective BTA names and numbers:

Site 1: Orlando, FL metropolitan area
(BTA 336)

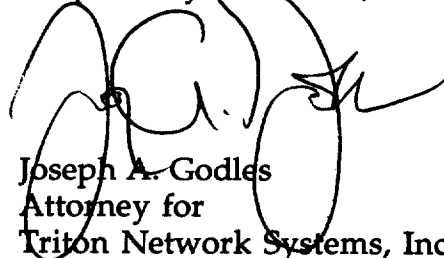
Site 2: San Francisco/Oakland/San Jose, CA metropolitan area
(BTA 404)

2. Frequencies desired: 21.2 GHz – 23.6 GHz
24.25 GHz – 25.25 GHz
27.5 GHz – 28.35 GHz
29.1 GHz – 29.25 GHz
31 GHz – 31.3 GHz
38.6 GHz – 40 GHz
3. Emission designator: V7W
4. Maximum power: Operation of transmitter will never exceed 55 dBW, except for operation in 31–31.3 GHz, in which case maximum EIRP will never exceed 30 dBW
5. Station specifications: Mobile, with directional antenna (4° maximum beamwidth at half-power point)
6. Need for special action: Triton is in urgent need for STA to perform experimentation that is critical to its business operations. The experimentation will provide valuable information to Triton on the use of the above-referenced frequencies as applied to digital RF systems, with the goal of developing new technologies intended to meet the growing demands of ethernet services through telephony. Triton hopes that the outcome of its experimentation will be the creation of new products that provide the public with economic and reliable data communications services. Likewise, Triton seeks, through its experimentation, to advance the art of radio communication in the broadband wireless area in providing fiber-like performance with broadband transceiver technology and in improving microwave range coverage and data throughput using high frequency, high power MMC chips.

Triton intends to limit potential interference to other operators by using channels in the above-referenced frequency bands that are unassigned or that have licensees in them who have not built out their systems.

Please direct any additional questions that you may have with regard to this matter to the undersigned.

Respectfully submitted,



Joseph A. Godles
Attorney for
Triton Network Systems, Inc.

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MARY J. DENT
COUNSEL

(202) 429-4900
TELECOPIER:
(202) 429-4912

e-mail:
general@g2w2.com

January 27, 1999

By Hand

ORIGINAL

Mr. Carl Huie
Federal Communications Commission
Office of Engineering and Technology
2000 M Street NW
Washington, DC 20554

Re: Triton Network Systems, Inc.
Request for Special Temporary Authorization
File No. 0085-~~DX~~-ST-98

Dear Mr. Huie:

Triton Network Systems, Inc. ("Triton"), by its counsel, hereby amends its above-referenced application for Special Temporary Authorization ("STA"), submitted on December 10, 1998. Triton is changing the frequencies it seeks to use in its experimentation.

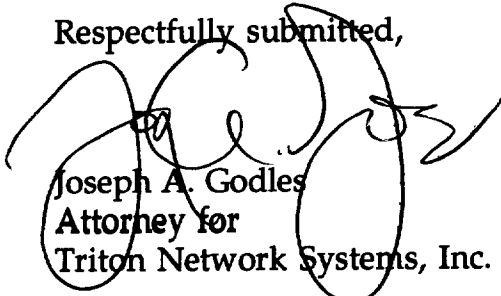
Frequencies desired:

38.60 GHz - 38.65 GHz (1A)
39.30 GHz - 39.35 GHz (1B)
38.65 GHz - 38.70 GHz (2A)
39.35 GHz - 39.40 GHz (2B)

To the extent necessary, Triton will coordinate with licensed operators in the above-referenced channels to limit potential interference. All other information, as set forth in Triton's amendment of January 21, 1999, remains unchanged.

Please direct any additional questions that you may have with regard to this matter to the undersigned.

Respectfully submitted,


Joseph A. Godles
Attorney for
Triton Network Systems, Inc.

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LAW OFFICES
GOLDBERG, GODLES, WIENER & WRIGHT
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WASHINGTON, D.C. 20036

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JONATHAN WIENER
HENRIETTA WRIGHT
W. KENNETH FERREE
THOMAS G. GHERARDI, P.C.
MARY J. DENT
COUNSEL

(202) 429-4900
TELECOPIER:
(202) 429-4912

e-mail:
general@g2w2.com

January 21, 1999

ORIGINAL

By Hand

Mr. Carl Huie
Federal Communications Commission
Office of Engineering and Technology
2000 M Street NW
Washington, DC 20554

Re: Triton Network Systems, Inc.
Request for Special Temporary Authority
File No. 0085-~~TX~~-ST-98

Dear Mr. Huie:

Triton Network Systems, Inc. ("Triton"), by its counsel, hereby amends its above-referenced application for Special Temporary Authority ("STA"), submitted on December 10, 1998. Triton now is seeking STA for a period of no longer than 180 days, beginning March 1, 1999. Please find below additional information requested of your office regarding the subject STA request.

1. Locations of proposed operation: Triton seeks to perform its experimentation in the area contained in the San Francisco/Oakland/San Jose, CA metropolitan area (BTA 404), in the rectangular area here defined by the following longitude and latitude coordinates in degrees, hours and minutes:

SE Corner 37-22-00N, 121-71-00W
NE Corner 37-46-00N, 121-71-00W
NW Corner 37-46-00N, 122-22-00W
SW Corner 37-22-00N, 122-22-00W

2. Frequencies desired:

38.95 GHz - 39.00 GHz (8A)

39.65 GHz - 39.70 GHz (8B)

39.25 GHz - 39.30 GHz (14A)

39.95 GHz - 40.00 GHz (14B)

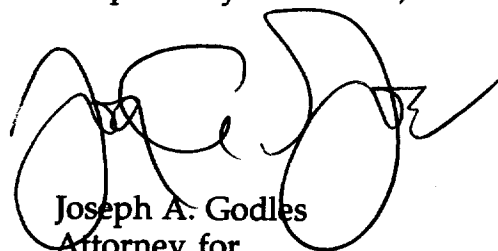
GWB/SAT
(TX, rx)
39.95-40.00
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3. Emission designator: V7W
4. Maximum power: Operation of transmitter will never exceed 55 dBW.
5. Station specifications: Point-to-point, multiple points (locations) will be configured in a ring topology, with directional antenna (2.2° maximum beamwidth at half-power point).
6. Need for special action: Triton is in urgent need for STA to perform experimentation that is critical to its business operations. During the period covered by the STA, Triton will engage in pilot demonstration projects with service providers in the San Francisco/Oakland/San Jose region. The experimentation will provide valuable information to Triton on the use of the above-referenced frequencies as applied to digital RF systems, with the goal of developing new technologies intended to meet the growing demands of ethernet services through telephony. Triton hopes that the outcome of its experimentation will be the creation of new products that provide the public with economic and reliable data communications services. Likewise, Triton seeks, through its experimentation, to advance the art of radio communication in the broadband wireless area in providing fiber-like performance with broadband transceiver technology and in improving microwave range coverage and data throughput using high frequency, high power MMIC chips.

Triton intends to limit potential interference to other operators by using the above unassigned channels, with no adjacencies or overlaps, requiring no coordination with existing license holders.

Please direct any additional questions that you may have with regard to this matter to the undersigned.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Joe Godles", is written over the printed name and title.

Joseph A. Godles
Attorney for
Triton Network Systems, Inc.