



ADAPTIVE BROADBAND

0182-EX-ST-2000

May 10, 2000

Federal Communications Commission
Office of Engineering Technology
445 12th Street S.W.
Washington, DC 20554

Attention: Douglas Young – 7-A332

Dear Mr. Young:

Adaptive Broadband Corporation requests the granting of a Special Temporary Authorization to permit it to demonstrate new broadband access wireless products at the SUPERCOMM 2000 trade show. The STA is requested for the duration of the show, June 4 through June 8, 2000. The hours of operation will be 7 AM to 7 PM.

The venue for the show, and the location of all operations under the requested STA will be indoors at the Georgia World Congress Center, 285 International Boulevard, N.W., Atlanta, GA 30313. The geographical coordinates are 33.7627 degrees North latitude, 84.3984 degrees West longitude.

The demonstrations planned involve an Access Point unit with integral antenna (equivalent to a base or cell-site) communicating at short range with a Subscriber Unit, which also has an integral antenna. Both units will be within the confines of the Adaptive Broadband Corporation booth (30 x 50 feet) on the floor of the show, or one unit may be located at the booth of another, cooperating exhibitor within approximately 150 feet. The minimum power necessary to maintain communications quality will be employed.

Adaptive will be demonstrating the products operating within the LMDS band.

The equipment is manufactured by the Adaptive Broadband Corporation as the Model SU-F270A LMDS Subscriber Unit and as the Model AP-F270A LMDS Access Point. These units are in the prototype stage and have not yet been Certified to FCC requirements, although it is believed that they meet all technical requirements. Approval testing is scheduled to begin this Summer.

We request that the STA permit operation over the frequency range of 27.550 – 27.750 GHz and 28.125 – 28.225 GHz. This will permit us to use a channel within these ranges which neither causes nor receives interference.

We request authorization to operate at a maximum EIRP of 1.0 Watt. Modulation will be any of the following: QPSK, 16QAM, or 64QAM. In all cases, over the air symbol rates are 4.17 Msymbols/sec, with a necessary bandwidth of 6.0 MHz.

The antennas, which are integral to the radio units, will be no higher than 30 feet above the floor of the building and will be indoors.

Please issue the STA to:

Adaptive Broadband Corporation
Attention: Jacob Z. Schanker
615 Fishers Run
Victor, NY 14564
Telephone: 716 742 6154
FAX: 716 742 6102

Any questions may be directed to me at 716 742 6154 or by email to jschanker@adaptivebroadband.com

Sincerely yours,

A handwritten signature in black ink, appearing to read "Jacob Z. Schanker", with a stylized, flowing script.

Jacob Z. Schanker
Director of Agency Compliance



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The products for which we are requesting permission to operate under this STA are designed for export only. The frequency band of operation, 3.400 GHz to 3.600 GHz, is allocated for wireless broadband access in Europe. Since the SUPERCOMM 2000 trade show is an international show, we need to display and demonstrate this product to the international delegates attending.

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615 Fishers Run, Fishers, New York ~~14453~~ USA

TEL +1.716.742.6100 FAX +1.716.742.6102 WEB www.adaptivebroadband.com

The equipment is manufactured by the Adaptive Broadband Corporation as the Model SU-F035A LMDS Subscriber Unit and as the Model AP-F035A LMDS Access Point. These units are in the prototype stage. It is believed that they meet all European requirements under the RTTE Directive and meet applicable ETSI specifications. These are generally at least as strict as FCC technical requirements,

We request that the STA permit operation over the frequency range of 3.400 to 3.600 GHz. This will permit us to use a channel within this range which neither causes nor receives interference. We are aware that there may be Government systems operating in this range, but believe that the indoor location and use of minimum power necessary to maintain communications will ensure that no interference is caused. We also note that the range 3.300 to 3.500 GHz is allocated to the Amateur Radio Service. In light of this, and if it would expedite granting of this STA, we would agree to changing our requested frequency range to 3.400 to 3.500 GHz.

We request authorization to operate at a maximum EIRP of 1.0 Watt. Modulation will be any of the following: QPSK, 16QAM, or 64QAM. In all cases, over the air symbol rates are 4.17 Msymbols/sec, with a necessary bandwidth of 6.0 MHz.

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Sincerely yours,

A handwritten signature in black ink, reading "Jacob Z. Schanker". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Jacob Z. Schanker
Director of Agency Compliance