

**FEDERAL COMMUNICATIONS COMMISSION
APPLICATION FOR SPECIAL TEMPORARY AUTHORITY**
This request for Special Temporary Authority (STA) is for a Existing STA

Applicant Name

Name of Applicant: BMW ITRC

Address

Attention: Brian Conner

Street Address: 2 Research Drive

P.O. Box:

City: Greenville

State: SC

Zip Code: 29607

Country:

E-Mail Address: brian.conner@bmwmc.com

Best Contact

Give the following information of person who can best handle inquiries pertaining to this application:

Last Name: Conner

First Name: Brian

Title: Senior Specialist

Phone Number: 864.989.5010

Explanation**Please explain in the area below why an STA is necessary:**

In order to utilize spectrum agreed by ETV (the spectrum holder) to validate wireless communication in a mobile context. This is in cooperation with Clemson university. See attached pdf filings (2).

Purpose of Operation**Please explain the purpose of operation:**

To validate quality of service in various speeds provided at the BMW test track using the requested frequency and IEEE protocols.

Information

Callsign:

Class of Station: FX

Nature of Service: Experimental

The purpose of the equipment in the test track environment is to validate the IEEE protocol for this spectrum at various speeds as shown in the original STA application below. Additional testing requirements will provide validation of throughput at higher speeds including those reachable by law enforcement only and with usable protocols and application level testing.

Location of proposed operation~~Operation Start Date: 01/20/2009~~~~Operation End Date: 07/20/2009~~**Manufacturer**

List below transmitting equipment to be installed (if experimental, so state) if additional rows are required, please submit equipment list as an exhibit:

Manufacturer	Model Number	No. Of Units	Experimental
Motorola	DAP	2	Yes
Motorola	BCU	2	Yes
Motorola	CAPc	1	Yes

Certification

October 30, 2008

Broadband Division
Wireless Telecommunications Bureau
Federal Communications Commission
1270 Fairfield Road
Gettysburg, PA 17325

**Re: Application by Clemson University for an Experimental Authorization
to Operate EBS Channels B4 and C4 in BTA 177**

Dear Sir or Madam:

The South Carolina Educational Television Commission ("SCETV") is the licensee of Educational Broadband Service ("EBS") Stations WHN712 on Channels B1-B4 and WHQ305 on Channels C1-C4, both in Greenville, South Carolina (the Greenville-Spartanburg Basic Trading Area (BTA), # 177). This BTA has been transitioned to the new band plan.

Clemson University ("Clemson") in Clemson, South Carolina, located within BTA #177, has requested SCETV's consent to its application for a temporary experimental authorization on Channels B4 (2578-2584 MHz) and C4 (2584-2590 MHz) for research purposes. Clemson plans on conducting a field study of WiMAX at up to three locations.

Location 1: Clemson University: SCETV is informed that Clemson anticipates two base stations deployed on its campus to provide coverage for the main campus and for downtown City of Clemson.

Location 2: BMW test track in Greenville: SCETV is informed that Clemson anticipates two base stations deployed at the test track to provide coverage primarily within the test track and the immediate vicinity (e.g., within 2 miles of the track).

Location 3: I-85 Corridor near Clemson's ICAR campus: SCETV is informed that Clemson anticipates three base stations deployed along I-85 near ICAR to provide coverage to support research involving intelligent transportation systems which support video surveillance, as well as vehicular communications for roughly a 6-mile stretch along I-85. Coverage is not intended to extend beyond .5 miles off I-85 along the corridor.

In each case, Clemson and SCETV will coordinate their respective operations on Channels B4 and C4 to ensure there is no interference to either party, and SCETV does not anticipate any interference to its operations; however, Clemson has assured SCETV that if any interference occurs, Clemson will upon notice from SCETV cease use of the channels until such interference can be identified and cured.

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Based on the foregoing considerations, SCETV hereby concurs with Clemson's application for an Experimental Authorization to operate on Channels B4 and C4 in the locations described for a time period through December 31, 2010. However, SCETV reserves the right to require that Clemson modified or surrender such authorization at any or all of the three locations at any time, if such authorization conflicts with SCETV's use of or requirements for the channels.

Conditioned on that assurance, SCETV supports Clemson's application for an Experimental Authorization as described above. If there are any questions regarding this matter, please contact me at (803) 737-3240.

Sincerely,

A handwritten signature in cursive script that reads "David L. Crouch".

David L Crouch
Interim President