



Federal Communications Commission  
Washington, D.C. 20554

June 13, 2017

1800E1-KRH

Capitol Broadcasting Company, Inc.  
c/o Peter Sockett  
2619 Western Boulevard  
Raleigh, NC 27606

In Re: Request for Extension of Authority to  
Operate an Experimental Facility  
0000024847  
Fac Id: 703425

Dear Licensee:

This refers to the above-referenced application, filed by Capitol Broadcasting Company (CBC) licensee of WRAL-TV, requesting an extension of authority to operate an experimental digital television facility on Channel 39 in Raleigh, North Carolina, to evaluate the performance of ATSC 3.0 prototype technologies. Specifically, CBC will test various components and modes being proposed for ATSC 3.0 standard and how they could be integrated and fully utilized by the broadcast industry.

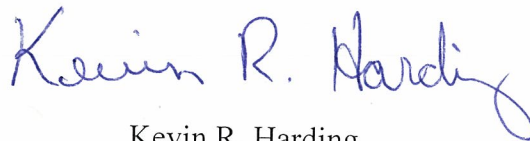
Importantly, the results of the experiment will be shared across the industry by and through organizations such as the National Association of Broadcasters, North American Broadcasters Association and the Advanced Television Systems Committee.

After a thorough review of the technical specifications, we are persuaded that no interference is likely to occur from the proposed operation. We therefore conclude that the public interest would be served by the grant of this request since the information obtained from the experiment may be valuable to the Commission's broadband initiative. However, we caution you that an experimental facility is secondary and may be summarily terminated if the operation causes interference to any other broadcast facility. Also, compliance with Section 1.1307(b) of the Commission's Rules (radio frequency radiation) is required.

Accordingly, the request for experimental authority to broadcast on Channel 39 in Raleigh, North Carolina, IS GRANTED subject to the following conditions:

1. The grant of this authorization is subject to the condition that, with ample time before commencing operation, you make a good faith effort to identify and notify health care facilities (*e.g.*, hospitals, nursing homes, see 47 CFR 15.242(a)(1)) within your service area that may potentially be affected by your operations.
2. Pursuant to Section 5.207, a report will be filed with each application for renewal of this authorization, containing the information required by that Section and any other relevant information deemed appropriate by the licensees. In addition, should any unusual problems or conditions arise during the authorization period, the licensees shall inform the Commission of them at the time they occur.
3. A report of the research, experimentation and results, showing both positive and/or negative aspects of this experiment, shall be submitted to the Commission at the conclusion of this experimental operation.
3. This authority expires **six months** from the date of this letter.

Sincerely,



Kevin R. Harding  
Associate Chief  
Video Division  
Media Bureau

cc. David A. O'Connor, Esq.