



Federal Communications Commission
Washington, D.C. 20554

June 20, 2013

New York Spectrum Holding Company, LLC
c/o Peter Tannenwald, Esq.
Fletcher, Heald & Hildreth, P.L.C
1300 N. 17th St.
11th Floor
Arlington, Virginia 22209-3801

In re: Experimental Facility Request
File Number: BPEXLD-20130313ADO

Dear Licensee:

This is in reference to the above experimental request to operate the following four digital low power television stations in New York, New York using an alternative technology to the ATSC transmission standard authorized in Section 73.682 of the Commission's rules:

WYXN-LD, Facility ID 38945, Channel 26
WXNY-LD, Facility ID 29231, Channel 32
WNYX-LD, Facility ID 29236, Channel 35
WNNY-LD, Facility ID 29233, Channel 43

Specifically, the modulation you propose to use is the OFDM standard known as Converged Mobile Multimedia Broadcasting ("CMMB").¹ You request authority to transmit on a one-way basis only, from the common transmitter site of the four stations, at or below the licensed ERP and at the licensed antenna height, to test live mobile TV, video-on-demand/mobile data download, off-loading service for carriers and other value-added services. In addition, except for an alternate exciter, only existing facilities will be used during the experiment. Finally, up to 500 receiving devices, all in the control of professionals performing the experiments, will be involved and there will be no two-way or commercial service components. The users of these devices will not be charged any fees.

In order to minimize the impact of the proposed experimental operations on the public, you propose to broadcast the television programming of all the stations on WXNY-LD, channels 32.1, 32.2 and 32.3. Experimentation on WXNY-LD would be confined to the hours of 12 midnight to 6 a.m., with a warning to viewers in the ATSC format before any late night interruption of ATSC service.

You have identified the following as the goals of the proposed experiment:

1. To demonstrate that the overall technical parameters of CMMB fully comply with FCC regulations in terms of power and interference, and confirm that CMMB signals do not interfere with adjacent ATSC channels.
2. To demonstrate that the interference impact of CMMB on adjacent ATSC channels is less than the interference impact of adjacent-channel ATSC signals.
3. To develop and validate various service models jointly with service providers (mobile carriers, over-the-top providers, and television broadcasters) in a more sophisticated and multidimensional media market than now exists in the U.S.

¹ You state that its technical name is Satellite-Terrestrial Interactive Mobile Infrastructure or "STIMI".

4. To gather more information about the actual costs of deploying CMMB in an urban environment.
5. To provide a platform to NAB, ATSC, and others to observe and validate the CMMB technology for next generation technology development in the U.S., including being a part of the anticipated future ATSC 3.0 standard.

After a thorough review of the technical specifications, we are persuaded that no interference is likely to occur from the proposed operation because the experiment will be conducted using existing transmission facilities such that the signals produced by the experiment will be confined within the protected contours of the four digital LPTV stations to be used in the experiment. 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 IS GRANTED to operate the four digital LPTV stations in accordance with specifications requested in the above-captioned application 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 C.F.R. §15.242(a)(1)) within your service area that may potentially be affected by your operations.
2. Pursuant to Section 74.113 of the Commission's rules, a report must 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 licensee. In addition, should any unusual problems or conditions arise during the authorization period, the licensee shall inform the Commission of them at the time they occur.
3. A report of the research, experimentation and results, showing both positive and negative aspects of this experiment, shall be submitted to the Commission at the conclusion of this experimental operation.
4. Before commencing the experimental operation, the licensee must coordinate with the Society of Broadcast Engineers to ensure that the broadcast industry is aware of the experiment in case new interference occurs.
5. This authority expires **six months** from the date of this letter.

Sincerely,



Barbara Kreisman
Chief, Video Division
Media Bureau