

NARRATIVE STATEMENT

Pursuant to Section 5.3(b) and (e) and Section 5.61 of the Commission’s Rules, 47 C.F.R. §§ 5.3(b), (e), 5.61 (2013) ONE Media, LLC (ONE Media) hereby respectfully requests special temporary authority (“STA”) for an initial 6-month period from **August 24, 2015 through February 24, 2016**, to operate in the band 644-650 MHz for the purpose of evaluating prototype next-generation TV standard (ATSC 3.0) broadcast technologies with transmitter sites located in Baltimore, MD and Washington, DC.

A. PURPOSE OF OPERATION AND NEED FOR STA:

ONE Media is actively involved with the ongoing work by the Advanced Television Systems Committee (“ATSC”) to develop the next-generation ATSC Digital standard. The requested STA will be used to test the various components being proposed for the new standard as well as allowing for a comparison to the existing standard. Specifically, grant of an STA will allow ONE Media to evaluate prototype technologies and obtain feedback so that it may enhance the industry’s efforts to design, develop and improve next-generation broadcast services available to viewers.

In order to conduct a meaningful field test, it is necessary to deploy a full scale system. No programming would be received or viewable by the general public during these tests, however.

To accommodate all activities during the evaluation (from the installation to tear-down) covered by the requested authorization, ONE Media respectfully requests that the FCC grant the STA for an initial 6-month period from August 24, 2015 through February 24, 2016.

B. LOCATION OF PROPOSED OPERATION:

ONE Media proposes to construct a single frequency network utilizing two transmitter sites.

Site 1: 3900 Hooper Ave.
Baltimore, MD 21211
ASR Registration Number: 1044237
Latitude: 39-20-10.4 N NAD83
Longitude: 076-38-57.9 W

Site 2: 4001 Nebraska Ave. NW
Washington, DC 20016
ASR Registration Number: 1285336
Latitude: 38-56-24.2 N NAD83
Longitude: 077-04-52.5 W

C. TECHNICAL SPECIFICATIONS:

1. Frequencies Desired

ONE Media requests authorization to operate in the band 644-650 MHz (television channel 43). This frequency band has been identified as being able to accommodate the proposed operation without causing unacceptable interference to any existing users of this or other pertinent frequencies.

2. Effective Radiated Power

All power levels will comply with the limits set forth in the FCC's rules, including those relating to human exposure to radiation. The transmitter at site 1 will be configured to operate with a maximum mean power level of 800 kW effective radiated power ("ERP"). The transmitter at site 2 will be configured to operate with a maximum mean power level of 120 kW ERP.

3. Modulation and Emissions

ONE Media proposes to operate using ATSC 3.0-type modulation. The primary emission designator is 6M00W7W. Other emission modes may be utilized, but in no event will the emissions extend beyond the frequency bands requested. In addition, the proposed facility will fully comply with the existing emission mask to limit any harmful out of band emissions.

4. Antenna Information

The proposed facilities will utilize a Dielectric directional antenna model TFU-12JSC/VP-F-R with a main lobe for both sites being 110 degrees true. A copy of the azimuth and elevation patterns of the proposed antenna is attached.

The height of the antenna center of radiation for site 1 will be 320.7 meters above ground level. Ground level at this site is 82.0 meters above mean sea level; therefore the center of radiation will be 402.7 meters above mean sea level. This antenna will be side mounted below other existing antennas; therefore, no further approval under FAA and FCC rules and regulations will be required.

The height of the antenna center of radiation for site 2 will be 117.4 meters above ground level. Ground level at this site is 119.5 meters above mean sea level; therefore the center of radiation will be 236.9 meters above mean sea level. This antenna will be side mounted below with the top of the antenna 14.6 meters below the top of the tower; therefore, no further approval under FAA and FCC rules and regulations will be required.

D. PROTECTION AGAINST CAUSING INTERFERENCE:

As noted above, the proposed facility will operate on television channel 43. This channel is not currently utilized in the proposed area of operation. There is an outstanding channel 43 construction permit for a low power television station (“LPTV”) at the same Washington, DC site that will be used for the site 2 facility proposed in this STA request. The channel 43 permittee, Signal Above, LLC, (“Signal Above”) has been contacted and has indicated that there are no plans to construction this facility during the proposed STA period due to the potential impact of the pending incentive spectrum auction on facility availability and that it has a currently operating analog facility on channel 6 at a different location. The permittee consents to STA operation by ONE Media as it will have no effect on the permittee’s legal status and qualifications ultimately to build and operate its facilities on channel 43 other than as evidence of the positive accommodation in the public interest to demonstrate technology in part designed to support the LPTV industry. ONE Media’s use of channel 43 in Washington, DC is not an election by the permittee, Signal Above, to elect the channel for its digital operation.

In that there are other potentially affected co-channel and adjacent channel stations, an OET-69 study was performed (results attached) which verifies that no new interference above the *de minimis* level will be caused to other broadcast stations or operations.

In addition, ONE Media has taken steps to protect against interference to other licensees in the area, including auxiliary broadcast licensees authorized under Part 74 of the FCC’s rules. It has already discussed the proposed operation with the local Society of Broadcast Engineers (“SBE”) frequency coordinator and will continue to coordinate with Part 74 licensees through the local SBE frequency coordinator before commencing any test operations.

Furthermore, ONE Media will, before commencing operation, take the necessary steps to notify health care facilities that may be operating biomedical telemetry devices pursuant to Section 15.242 of the Commission’s rules that could be adversely affected by the operations proposed in the STA.

E. RESTRICTIONS ON OPERATION:

ONE Media is not seeking authority to perform a market study under this STA. As noted above, no programming would be received or viewable by the general public during these tests. Moreover, no fees will be charged to entities using the equipment during this test. After the test is completed, ONE Media will disassemble the demonstration facilities.

ONE Media also recognizes that any experimental authority must not cause harmful interference to authorized facilities. In the unlikely event interference occurs, ONE Media will take immediate steps to resolve the interference, including discontinuance of operation if necessary.

Entities will be advised in accordance with Section 2.803 of the Commission’s rules, 47 C.F.R. §2.803 (2013), that any unapproved devices used during the evaluation which have not been authorized as required by the FCC are not being offered for sale or lease, or sold or leased, until authorization is obtained.

F. PUBLIC INTEREST:

ONE Media submits that issuance of an STA as requested is in the public interest, convenience, and necessity. Grant of an STA will help ONE Media to develop innovative equipment that will accommodate the needs of the viewing public.

G. CONTACT INFORMATION:

For questions about this application, please contact:

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In the unlikely event interference concerns should arise during the period of authorization for this STA, please contact:

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