

**ONE Media LLC  
Request for Part 5 Experimental  
Special Temporary Authority Extension  
ELS File Nos. 0846-EX-ST-2015,  
0123-EX-ST-2016, 1208-EX-ST-2016,  
0225-EX-ST-2017, 1622-EX-ST-2017,  
0579-EX-ST-2018, 1511-EX-ST-2018**

**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 an extension of its current special temporary authority ("STA") for an additional period from **April 1, 2019 through September 30, 2019**, 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 the ongoing evaluation covered by the existing STA authorization, ONE Media respectfully requests that the FCC grant the STA for an additional period from April 1, 2019 through September 30, 2019.

**B. LOCATION OF PROPOSED OPERATION: (No change in the authorized parameters is requested. The previously applied for and authorized parameters are repeated below for informational purposes)**

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 previously been contacted and has indicated that there are no plans to construction this facility during the proposed STA extension period due to the potential impact of the 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 previously performed that verified 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 notified the local Society of Broadcast Engineers (“SBE”) frequency coordinator concerning this extension request and will continue to coordinate with Part 74 licensees through the local SBE frequency coordinator.

Additionally, ONE Media will coordinate the use of the spectrum with the winning bidder(s) in the recently concluded Incentive Auction.

Furthermore, ONE Media will, has previously taken 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 extension as requested is in the public interest, convenience, and necessity. Grant of an STA extension 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:

Jerald Fritz  
ONE Media, LLC  
1100 Wilson Blvd, Suite 600  
Arlington VA 22209

[jnfritz@onemediallc.com](mailto:jnfritz@onemediallc.com)  
(703) 236-9229

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

Mark A. Aitken  
(410) 568-1535 or (443) 677-4425  
maitken@sbgnet.com

**AMENDMENT TO CHANNEL USE AGREEMENT**

This Amendment to Channel Use Agreement, dated as of April 1, 2019, modifies the Channel Use Agreement (“**Agreement**”) dated as of August 11, 2015 by and between ONE Media, LLC and Signal Above, LLC, permittee of WDCN-LD, channel 43, Washington, DC (together the “**Parties**”)

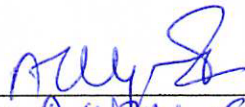
1. The original Term of the Agreement expired on March 31, 2016. By mutual agreement the Term was extended six additional times to expire on:  
September 30, 2016,  
March 31, 2017,  
September 30, 2017,  
March 31, 2018;  
September 30, 2018; and  
March 31, 2019.
2. The Parties hereby agree to extend the Term of the Agreement to a date not beyond September 30, 2019, which date may be extended by the Parties upon mutual consent.
3. All other terms of the Agreement shall remain in full force and effect.

**ACCEPTED AND AGREED** as of the date first written above by the following authorized representatives of the parties:

**ONE Media, LLC**  
1076 Beaver Dam Road  
Hunt Valley, MD 20130

**Signal Above, LLC**  
Gammon & Grange, P.C.  
8280 Greensboro Drive  
McLean, VA 22102

By: \_\_\_\_\_  
David Bochenek  
Authorized Signatory

By:   
Name: A. W. P. R. H.  
Its: MEMBER