

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 **November 16, 2015 through May 16, 2016**, to operate in the band 620-626 MHz (Channel 39) for the purpose of demonstrating and evaluating prototype next-generation TV standard (ATSC 3.0) broadcast technologies with a transmitter site located in Henderson, NV (Las Vegas, NV area).

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 various components designed to meet the newly elevated ATSC 3.0 "Candidate 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 to continue to better serve the public. In addition to testing the prototype technology, reception demonstrations of actual transmissions will be presented at the Consumer Electronics Show (January 2016) and the National Association of Broadcasters Show (April 2016). In order to conduct a meaningful field test and the proposed demonstrations it is necessary to deploy a full scale system.

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 November 16, 2015 through May 16, 2016.

B. LOCATION OF PROPOSED OPERATION:

ONE Media proposes to utilize a currently authorized broadband antenna at the following location (Site of KSNV channel 22 and KVCW channel 29).

Site 1: Black Mountain Road (1-½ miles west of Henderson, NV – Clark County)
Henderson, NV 89012
ASR Registration Number: 1203429
Latitude: 36- 00- 27.3 N NAD83
Longitude: 115-0026.9 W

C. TECHNICAL SPECIFICATIONS:

1. Frequencies Desired

ONE Media requests authorization to operate in the band 620-626 MHz (television channel 39). 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 will be configured to operate with a maximum mean power level of 185 kW effective radiated power ("**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 TUA-C4-623 with a main lobe being at 350 degrees true. A copy of the azimuth and elevation patterns of the proposed antenna is attached.

The height of the antenna center of radiation will be 60.6 meters above ground level. Ground level at this site is 1,018.3 meters above mean sea level; therefore the center of radiation will be 1,078.9 meters above mean sea level. This antenna is currently authorized for use by KSNV and KVCW and no new construction is required; therefore, no further approval with regard to the antenna 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 39. This channel is not currently utilized in the proposed area of 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 operations.

In addition, ONE Media will take the necessary steps to protect against interference to other licensees in the area, including auxiliary broadcast licensees authorized under Part 74 of the FCC's rules. The proposed operation will be coordinated with the local Society of Broadcast Engineers ("**SBE**") frequency coordinator.

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 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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