

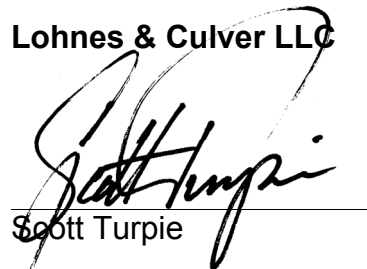
## **Request for Digital LPTV Engineering STA Technical Facility Proposal**

Analog low power television station WHDC-LP in Charleston, South Carolina is requesting Special Temporary Authorization (STA) to operate a digital facility for the purpose of resuming on-air operation. Because the new Licensing and Management System (LMS) will not allow the station to submit a request for an Engineering STA to operate in the digital mode, this request is being filed in the form of a legal STA with a description of the technical facility proposal provided as an attachment.<sup>1</sup> It specifies the same antenna location that is currently authorized for WHDC-LP in the outstanding construction permit to flash-cut the station to digital operation.<sup>2</sup> However, the STA facility will employ a different nondirectional antenna mounted at a lower height of radiation center and will operate at reduced effective radiated power.

The technical specifications are outlined in the following two pages.

Respectfully submitted,

**Lohnes & Culver LLC**



Scott Turpie

December 1, 2015

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<sup>1</sup> This request for temporary authority to operate WHDC-LP in the digital mode is being filed in the form of a Legal STA as directed by the FCC Video Division staff.

<sup>2</sup> WHDC-LP was granted authority to flash-cut to digital operation – see File Number BDFCDVL-20130308AEW.

Channel and Facility Information

| Section                       | Question    | Response       |
|-------------------------------|-------------|----------------|
| Proposed Community of License | Facility ID | 10548          |
|                               | State       | South Carolina |
|                               | City        | CHARLESTON     |
|                               | LPD Channel | 12             |

Antenna Location Data

| Section                        | Question  | Response                              |
|--------------------------------|---|---------------------------------------|
| Antenna Structure Registration | Do you have an FCC Antenna Structure Registration (ASR) Number? | Yes                                   |
|                                | ASR Number  | 1059860                               |
| Coordinates (NAD83)            | Latitude  | 32° 47' 45.0" N+                      |
|                                | Longitude   | 079° 50' 26.0" W-                     |
|                                | Structure Type  | TOWER-A free standing or guyed struct |
|                                | Overall Structure Height  | 318.2 meters                          |
|                                | Support Structure Height  | 317.3 meters                          |
|                                | Ground Elevation (AMSL)   | 1.5 meters                            |
| Antenna Data                   | Height of Radiation Center Above Ground Level                   | 33.5 meters                           |
|                                | Height of Radiation Center Above Mean Sea Level                 | 35.0 m                                |
|                                | Effective Radiated Power  | .117 kW                               |

Antenna  
Technical Data

| Section                        | Question  | Response        |
|--------------------------------|---|-----------------|
| Antenna Type                   | Antenna Type  | Non-Directional |
|                                | Do you have an Antenna ID?  |                 |
|                                | Antenna ID  |                 |
| Antenna Manufacturer and Model | Manufacturer:   | PSI             |
|                                | Model   | PSIVLP2OI-12    |
|                                | Rotation  |                 |
|                                | Electrical Beam Tilt  | Not Applicable  |
|                                | Mechanical Beam Tilt  | Not Applicable  |
|                                | toward azimuth  |                 |
|                                | Polarization  | Horizontal      |
| DTV and DTS: Elevation Pattern | Does the proposed antenna propose elevation radiation patterns that vary with azimuth for reasons other than the use of mechanical beam tilt? | No              |
|                                | Uploaded file for elevation antenna (or radiation) pattern data   |                 |
|                                | Out-of-Channel Emission Mask:   | Stringent       |