Approved by OMB (Office of Management and Budget) 3060-0016
December 2014

Federal Communications Commission

(REFERENCE COPY - Not for submission)

# Digital Companion Channel for LPTV Station Application

File Number: **BDCCDTL-20101130AJP** | Submit Date: **11/30/2010** | Call Sign: **K45LU-D** | Facility ID: **189005** | FRN: **0015707037** | State: **Arizona** | City: **WINDOW ROCK**

Service: **LPD** | Purpose: **Digital Companion Channel** | Status: **Granted** | Status Date: **05/17/2011** | Expiration Date: **10/01/2022** | Filing Status: **InActive**

## General Information

| Section | Question | Response |
|---|---|---|
| **Attachments** | Are attachments (other than associated schedules) being filed with this application? | |

## Fees, Waivers, and Exemptions

| Section | Question | Response |
|---|---|---|
| **Waivers** | Does this filing request a waiver of the Commission's rule(s)? | |
| | Total number of rule sections involved in this waiver request: | |
| | Are the frequencies or parameters requested in this filing covered by grandfathered privileges, previously approved by waiver, or functionally integrated with an existing station? | |

## Applicant Information

### Applicant Name, Type, and Contact Information

| Applicant | Address | Phone | Email | Applicant Type |
|---|---|---|---|---|
| **NAVAJO COMMUNITY COLLEGE**<br>**Applicant**<br>Doing Business As: THE NAVAJO NATION | P.O.BOX 2310<br>WINDOW ROCK, AZ 86515<br>United States | | | Other |

### Authorization Holder Name

☐ Check box if the Authorization Holder name is being updated because of the sale (or transfer of control) of the Authorization(s) to another party and for which proper Commission approval has not been received or proper notification provided.

## Contact Representatives (2)

| Contact Name | Address | Phone | Email | Contact Type |
|---|---|---|---|---|
| **GREGORY L. BEST**<br>*CONSULTING ENGINEER* | 9223 N. MANNING AVENUE<br>KANSAS CITY, MO 64157<br>United States | +1 (816) 792-2913 | GBCONSULTING@KC.RR.COM | Technical Representative |
| **KEE LONG**<br>NAVAJO NATION OFFICE OF BROADCAST SERVICES | P.O. BOC 2310<br>WINDOW ROCK, AZ 86515<br>United States | +1 (928) 871-7350 | KEELG@CITLINK.NET | Legal Representative |

## Alien Ownership

| Question | Response |
|---|---|
| **1)** Is the applicant a foreign government or the representative of any foreign government as specified in Section 310(a) of the Communications Act? | |
| **2)** Is the applicant an alien or the representative of an alien? (Section 310(b)(1)) | |
| **3)** Is the applicant a corporation, or non-corporate entity, that is organized under the laws of any foreign government? (Section 310(b)(2)) | |
| **4)** Is the applicant an entity of which more than one-fifth of the capital stock, or other equity or voting interest, is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any entity organized under the laws of a foreign country? (Section 310(b)(3)) | |
| **5)** Is the applicant directly or indirectly controlled by any other entity of which more than one-fourth of the capital stock, or other equity or voting interest, is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof, or by any entity organized under the laws of a foreign country? (Section 310(b)(4)) | |
| **6)** Has the applicant received a declaratory ruling(s) under Section 310(b)(4) of the Communications Act? | |
| **7)** In connection with this application, is the applicant filing a foreign ownership Petition for Declaratory Ruling pursuant to Section 310(b)(4) of the Communications Act? | |

## Basic Qualifying Questions

| Section | Question | Response |
|---|---|---|
| **Revoked Application** | Has the Applicant or any party to this application had any FCC station Authorization revoked or had any application for an initial, modification or renewal of FCC station Authorization denied by the Commission? | |
| **State or Federal Convictions** | Has the Applicant or any party to this application, or any party directly or indirectly controlling the Applicant, ever been convicted of a felony by any state or federal court? | |

## Channel and Facility Information

| Section | Question | Response |
|---|---|---|
| Facility ID | 189005 | |
| State | Arizona | |
| City | WINDOW ROCK | |
| LPD Channel | 45 | |

## Antenna Location Data

| Section | Question | Response |
|---|---|---|
| **Antenna Structure Registration** | Do you have an FCC Antenna Structure Registration (ASR) Number? | Yes |
| | ASR Number | 1265075 |
| **Coordinates (NAD83)** | Latitude | 35° 40' 51.0" N+ |
| | Longitude | 109° 03' 10.6" W- |
| | Structure Type | |
| | Overall Structure Height | 18.3 meters |
| | Support Structure Height | |
| | Ground Elevation (AMSL) | 21510 meters |
| **Antenna Data** | Height of Radiation Center Above Ground Level | 12.1999998092651 meters |
| | Height of Radiation Center Above Mean Sea Level | 21522.19921875 meters |
| | Effective Radiated Power | 2.61 kW |

## Antenna Technical Data

| Section | Question | Response |
|---|---|---|
| **Antenna Type** | Antenna Type | Directional Custom |
| | Do you have an Antenna ID? | Yes |
| | Antenna ID | 16352 |
| **Antenna Manufacturer and Model** | Manufacturer: | AND |
| | Model | AL8 |
| | Rotation | 0 degrees |
| | Electrical Beam Tilt | 1.75 |
| | Mechanical Beam Tilt | Not Applicable |
| | toward azimuth | |
| | Polarization | |
| **Elevation Radiation 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 |

### Directional Antenna Relative Field Values (Pre-rotated Pattern)

| Degree | Value | Degree | Value | Degree | Value | Degree | Value |
|---|---|---|---|---|---|---|---|
| **0** | 1 | **90** | 0.692 | **180** | 0.709 | **270** | 0.692 |
| **10** | 0.995 | **100** | 0.662 | **190** | 0.705 | **280** | 0.733 |
| **20** | 0.979 | **110** | 0.644 | **200** | 0.694 | **290** | 0.78 |
| **30** | 0.953 | **120** | 0.639 | **210** | 0.678 | **300** | 0.829 |
| **40** | 0.918 | **130** | 0.646 | **220** | 0.661 | **310** | 0.876 |
| **50** | 0.876 | **140** | 0.661 | **230** | 0.646 | **320** | 0.918 |
| **60** | 0.829 | **150** | 0.678 | **240** | 0.639 | **330** | 0.953 |
| **70** | 0.78 | **160** | 0.694 | **250** | 0.644 | **340** | 0.979 |
| **80** | 0.733 | **170** | 0.705 | **260** | 0.662 | **350** | 0.995 |

### Additional Azimuths

| Degree | $V_A$ |
|---|---|

## Parties to the Application (0)

Information not provided.

## Attributable Interest

| Section | Question | Response |
| --- | --- | --- |
| **Equity and Financial Interests** | Applicant certifies that equity and financial interests not set forth by the applicant parties are non-attributable. | |
| **Other Authorizations** | Does the applicant or any party to the application have an attributable interest in any other broadcast station(s). | |

## Construction Permit Certifications

| Section | Question | Response |
|---|---|---|
| **Environmental Effect** | Would a Commission grant of Authorization for this location be an action which may have a significant environmental effect? (See 47 C.F.R. Section 1.1306) | Yes |
| **Broadcast Facility** | The proposed facility complies with all of the following applicable rule sections. 47 C.F.R. Sections 74.709, 74.793 (e), 74.793(f), 74.793(g), 74.793(h) | |

## Legal Certifications

| Section | Question | Response |
|---|---|---|
| **Character Issues** | Applicant certifies that neither applicant nor any party to the application has or had any interest in, or connection with:<br>(a) any broadcast application in any proceeding where character issues were left in unresolved or were resolved adversely against the applicant or party to the application; or<br>(b) any pending broadcast application in which character issues have been raised. | Yes |
| **Adverse Findings** | Has the Applicant or any party to this application had an adverse finding or an adverse final action taken by any court or administrative body in a civil or criminal proceeding brought under any law related to the following: any felony; mass media-related antitrust or unfair competition; fraudulent statements to another governmental unit; or discrimination? | Yes |
| **Program Service Certification** | Applicant certifies that it is cognizant of and will comply with its obligations as a Commission licensee to present a program service responsive to the issues of public concern facing the station's community of license and service area. | Yes |
| **Local Public Notice** | Applicant certifies that it has or will comply with the public notice requirements of 47 C.F.R. Section 73.3580. | Yes |
| **Equal Employment Opportunity (EEO)** | If the applicant proposes to employ five or more full-time employees, applicant certifies that it is filing simultaneously with this application a Model EEO Program Report. | |

## Certification

| Section | Question | Response |
|---|---|---|
| **General Certification Statements** | The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by authorization or otherwise, and requests an Authorization in accordance with this application (See Section 304 of the Communications Act of 1934, as amended.). | |
| | The Applicant certifies that neither the Applicant nor any other party to the application is subject to a denial of Federal benefits pursuant to §5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. §862, because of a conviction for possession or distribution of a controlled substance. This certification does not apply to applications filed in services exempted under §1.2002(c) of the rules, 47 CFR . See §1. 2002(b) of the rules, 47 CFR §1.2002(b), for the definition of "party to the application" as used in this certification §1.2002 (c). The Applicant certifies that all statements made in this application and in the exhibits, attachments, or documents incorporated by reference are material, are part of this application, and are true, complete, correct, and made in good faith. | |
| **Authorized Party to Sign** | **FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID**<br>Upon grant of this application, the Authorization Holder may be subject to certain construction or coverage requirements. Failure to meet the construction or coverage requirements will result in automatic cancellation of the Authorization. Consult appropriate FCC regulations to determine the construction or coverage requirements that apply to the type of Authorization requested in this application.<br>WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. Code, Title 18, §1001) AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, §312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, §503). | |
| | I certify that this application includes all required and relevant attachments. | |
| | I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above. | **KEE LONG**<br><br>11/30/2010 |

## Attachments

| File Name | Uploaded By | Attachment Type | Description |
|---|---|---|---|
| 1409758_7443535.pdf | Applicant | All Purpose | RF Exposure Exhibit |
| 1409758_7443574.pdf | Applicant | All Purpose | Contour Overlap Map |
| 1409758_7443582.pdf | Applicant | All Purpose | Interference Analysis Exhibit |
| 1409758_911844.txt | Applicant | All Purpose | ASRN ADDITIONAL INFORMATION |
| 1409758_911845.txt | Applicant | All Purpose | CONTOUR OVERLAP MAP AND INTERFERENCE ANALYSIS |
| 1409758_911846.txt | Applicant | All Purpose | RF EXPOSURE EXHIBIT |