

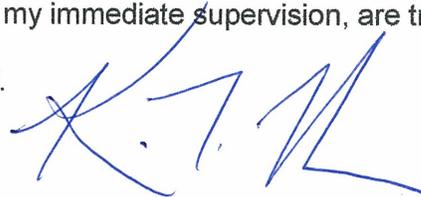
ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of DIGITAL TELEVISION, LLC, in support of its Application for Construction Permit for a new digital low power television station on Channel 48 in Ocala, Florida.

It is proposed to mount a standard Andrew (ERI) directional antenna at the 103-meter level of an existing 107-meter communications tower. Exhibit B is a map upon which the predicted service contours are plotted. Operating parameters for the proposed facility are tabulated in Exhibit C. An interference study is provided in Exhibit D, and a power density calculation follows as Exhibit E.

Because no change in the overall height or location of the existing tower is proposed, the FAA has not been notified of this application. The FCC issued Antenna Structure Registration Number 1216674 to this tower.

I declare under penalty of perjury that the foregoing statements and the attached exhibits, which were prepared by me or under my immediate supervision, are true and correct to the best of my knowledge and belief.



KEVIN T. FISHER

August 10, 2010

CONTOUR POPULATION

51 DBU : 299,214

41 DBU : 532,640



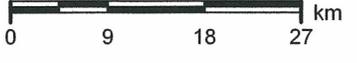
41 DBU

51 DBU

Proposed Site

EXHIBIT B

Scale 1:700,000



Spring Hill

PROPOSED OPERATING PARAMETERS

PROPOSED DIGITAL LOW POWER TELEVISION STATION
CHANNEL 48 – OCALA, FLORIDA

| | |
|--|--------------------|
| Transmitter Power Output: | 1.8 kw |
| Transmission Line Efficiency: | 58.3% |
| Antenna Power Gain – Toward Horizon: | 14.06 |
| Antenna Power Gain – Main Lobe: | 14.06 |
| Effective Radiated Power – Toward Horizon: | 15.0 kw |
| Effective Radiated Power – Main Lobe: | 15.0 kw |
| Transmitter Make and Model: | Type-accepted |
| Transmission Line Make and Model: | Andrew LDF7-50A |
| Size and Type: | 1-5/8" foam heliax |
| Length: | 360 feet* |
| Antenna Make and Model: | Andrew (ERI) AL8 |
| Orientation | 45 degrees true |
| Beam Tilt | 1.75 degrees |
| Radiation Center Above Ground: | 103 meters |
| Radiation Center Above Mean Sea Level: | 128 meters |

*Estimated

LONGLEY-RICE INTERFERENCE STUDY
PROPOSED DIGITAL LOW POWER TELEVISION STATION
CHANNEL 48 – OCALA, FLORIDA

We conducted a detailed interference study using the Longley-Rice methodology contained in the Commission's *OET Bulletin No. 69*, with respect to all facilities of concern. The software utilizes a 1-square kilometer cell size, calculates signal strength at 1.0 kilometer increments along each radial studied, and employs the 2000 U.S. Census to count population within cells. In addition, the program does not attribute interference to the proposed facility in cells within the protected contour of the station under study where interference from another source (other than the proposed station) already is predicted to exist (also known as "masking"). The results of this study are provided in Exhibit D-2. It concludes that the facility proposed herein causes no significant new interference to any of the potentially affected stations.

As a result, it is believed that the proposed digital LPTV facility complies with the requirements of Sections 74.709, 74.793(e), 74.793(f), 74.793(g), 74.793(h), 74.794(b) and 73.1030 of the Commission's Rules.

Ocala48_summary.txt
 Summary Study

Census data selected: 2000

Post DTV Transition Database Selected

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 08-09-2010 Time: 14:00:54

Record selected for Analysis

PROPOSED USERRECORD-01 Ocala US
 Channel 48 ERP 15. kw HAAT 103. m RCAMSL 00128 m STRINGENT MASK
 Latitude 029-15-20 Longitude 0082-26-26
 Status APP Zone 1 Border
 Dir Antenna Make usr Model USRPAT01 Beam tilt N Ref Azimuth 180.
 Last update Cutoff date Docket
 Comments
 Applicant

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Not full service station

Facility meets maximum power limit

| Azimuth (Deg) | ERP (kw) | HAAT (m) | 51.0 dBu F(50,90) (km) |
|---------------|----------|----------|------------------------|
| 0.0 | 11.962 | 109.4 | 42.6 |
| 45.0 | 14.910 | 102.9 | 43.0 |
| 90.0 | 11.962 | 98.9 | 41.4 |
| 135.0 | 6.733 | 101.6 | 38.9 |
| 180.0 | 5.673 | 109.1 | 38.8 |
| 225.0 | 6.814 | 99.2 | 38.7 |
| 270.0 | 5.673 | 101.1 | 38.0 |
| 315.0 | 6.733 | 101.9 | 38.9 |

Contour Overlap to Proposed Station

Station
 WZRA-CA 48 OLDSMAR FL BLTTA20061130AAL causes

Contour overlap to Digital LPTV station
 PROPOSED 48 Ocala USERRECORD01
 Required D/U ratio: 2.0

Station
 WJGV-CD 48 PALATKA FL BLTTTL20010614ADP causes

Contour overlap to Digital LPTV station

Ocala48_summary.txt
 USERRECORD01
 PROPOSED 48 OCALA
 Required D/U ratio: 2.0

Contour Overlap Evaluation to Proposed Station Complete

LANDMOBILE SPACING VIOLATIONS FOUND

NONE

- Proposed facility OK to FCC Monitoring Stations
- Proposed facility OK toward West Virginia quiet zone
- Proposed facility OK toward Table Mountain
- Proposed facility is beyond the Canadian coordination distance
- Proposed facility is beyond the Mexican coordination distance
- Proposed station is OK toward AM broadcast stations

 Start of Interference Analysis

| | | |
|---------|-----------------------------------|--------------|
| Channel | Proposed Station | ARN |
| 48 | Call City/State PROPOSED OCALA | USERRECORD01 |

Stations Potentially Affected by Proposed Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|-----------------------|----------|--------|-------------|--------------|
| 47 | NEW | GAINESVILLE FL | 31.9 | APP | BNPDTL | -20100622AFR |
| 47 | WYKE-CD | INGLIS-YANKEETOWN FL | 42.1 | LIC | BLTTA | -20050308AAA |
| 47 | NEW | JENNINGS FL | 162.6 | APP | BNPDTL | -20100510ACE |
| 47 | WAWA-LD | ORLANDO FL | 142.4 | CP MOD | BMPDTL | -20090320ABS |
| 47 | WAWA-LD | ORLANDO FL | 142.4 | LIC | BLDTL | -20100309AAD |
| 47 | WFTT-DT | TAMPA FL | 157.5 | CP | BPCDT | -20080902ADT |
| 47 | WFTT-DT | TAMPA FL | 158.1 | LIC | BLCDT | -20060912ADB |
| 48 | WFXU | LIVE OAK FL | 154.1 | LIC | BLCDT | -20071113ACD |
| 48 | WOPX-TV | MELBOURNE FL | 151.6 | APP | BPCDT | -20080620AKI |
| 48 | WOPX-TV | MELBOURNE FL | 182.1 | LIC | BLCDT | -20020510AAH |
| 48 | WZRA-CA | OLDSMAR FL | 114.3 | LIC | BLTTA | -20061130AAL |
| 48 | WJGV-CD | PALATKA FL | 80.3 | LIC | BLDTA | -20090930AKO |
| 48 | WJGV-CD | PALATKA FL | 80.3 | LIC | BLTTL | -20010614ADP |
| 48 | W48CN | SARASOTA FL | 212.8 | LIC | BLTT | -20000725ABJ |
| 48 | WVHB-CA | STUART FL | 310.9 | CP | BPTTA | -20080804AEA |
| 48 | WVHB-CA | STUART FL | 332.5 | APP | BSTA | -20070706AAW |
| 48 | WVHB-CA | STUART FL | 332.5 | LIC | BLTTA | -20080109AGC |
| 48 | NEW | TALLAHASSEE FL | 224.8 | APP | BNPDTL | -20090825AAC |
| 48 | W48DU-D | ALBANY GA | 292.5 | CP | BNPDTL | -20100104AEP |
| 48 | NEW | BYRON GA | 393.9 | APP | BNPDTL | -20100510AFQ |
| 48 | NEW | MONTROSE GA | 371.9 | APP | BNPDTL | -20100510AGY |
| 48 | W48BH | STATESBORO GA | 357.7 | LIC | BLTTL | -19960709JA |
| 48 | W48CX | HILTON HEAD ISLAND SC | 359.9 | LIC | BLTTA | -20051014ACY |
| 49 | WVEN-TV | DAYTONA BEACH FL | 115.1 | LIC | BLCDT | -20070329ADC |
| 49 | NEW | JENNINGS FL | 162.6 | APP | BNPDTL | -20100510ACF |
| 49 | WRMD-CA | TAMPA FL | 145.4 | LIC | BLTTA | -20041026ADR |
| 49 | WRMD-CA | TAMPA FL | 145.4 | CP | BDFCDTA | -20080804ABO |
| 50 | W50CO | JACKSONVILLE FL | 140.8 | CP | BPTTL | -20071102AAD |
| 50 | W50CO | JACKSONVILLE FL | 141.4 | LIC | BLTTL | -20040107ABB |

Ocala48_summary.txt

| | | | | | | |
|----|---------|--------------|-------|-----|-------|--------------|
| 50 | WDTO-LP | ORLANDO FL | 113.0 | LIC | BLTTL | -20051011AOU |
| 56 | W56EB | TAMPA FL | 160.6 | LIC | BLTT | -20020426AAW |
| 56 | W56EJ | WILLISTON FL | 16.4 | LIC | BLTTL | -20070608AAH |

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study of this proposal found the following interference problem(s): None

POWER DENSITY CALCULATION

PROPOSED DIGITAL LOW POWER TELEVISION STATION
CHANNEL 48 – OCALA, FLORIDA

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Ocala facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 15.0 kw, an antenna radiation center 103 meters above ground, and the vertical pattern of the Andrew (ERI) antenna, maximum power density two meters above ground of 0.00046 mw/cm^2 is calculated to occur 91 meters northeast of the base of the tower. Since this is only 0.1 percent of the 0.45 mw/cm^2 reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 48 (674-680 MHz), this proposal may be excluded from consideration with respect to public exposure to nonionizing electromagnetic radiation.

Further, the station owner will take whatever precautionary steps are necessary, such as reducing power or leaving the air temporarily, to ensure that workers operating in the vicinity of the antenna are not exposed to excessive nonionizing radiation.