

EXHIBIT A

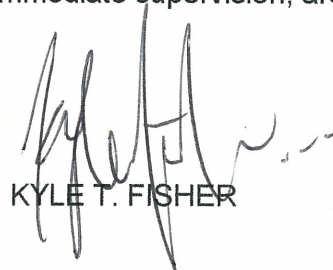
ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of AIRPORT INVESTORS, L.P., in support of its Application for Construction Permit for a new digital low power television station on Channel 51 in Salisbury, Maryland.

It is proposed to mount a standard ERI omnidirectional antenna at the 100-meter level of an existing 114-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 1034158 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.



KYLE T. FISHER

August 17, 2010



**CONTOUR POPULATION**

**51 DBU : 240,837**

**41 DBU : 341,504**

**SMITHANDFISHER**



**EXHIBIT B**



---

EXHIBIT C

## PROPOSED OPERATING PARAMETERS

PROPOSED DIGITAL LOW POWER TELEVISION STATION  
CHANNEL 51 – SALISBURY, MARYLAND

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 kw
Effective Radiated Power – Main Lobe:	15 kw

Transmitter Make and Model:	Type-accepted
-----------------------------	---------------

Transmission Line Make and Model:	Andrew LDF7-50A
Size and Type:	1-5/8" foam heliax
Length:	355 feet*

Antenna Make and Model:	ERI AL8
Orientation	Omnidirectional
Beam Tilt	1.75 degrees
Radiation Center Above Ground:	100 meters
Radiation Center Above Mean Sea Level:	112 meters

\*Estimated

LONGLEY-RICE INTERFERENCE STUDY  
PROPOSED DIGITAL LOW POWER TELEVISION STATION  
CHANNEL 51 – SALISBURY, MARYLAND

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.

The FCC's engineering database includes a displacement authorization for Channel 50 in Georgetown, Delaware (W50DQ-D, BDCCDTZ-20061005AAR). However, that permit expired on January 12, 2010 and no extension request has been filed. Therefore, interference to that facility can be ignored.

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.

## INTERFERENCE SUMMARY

PROPOSED DIGITAL LOW POWER TELEVISION STATION  
CHANNEL 51 – SALISBURY, MARYLAND

<u>Call Sign</u>	<u>Status</u>	<u>City, State</u>	<u>Ch.</u>	<u>Longley-Rice Service Population</u>	<u>Unmasked Interference From Proposed Facility</u>	<u>%</u>
WDCW-DT BLC DT-20030221AAG	Lic.	Washington, D.C.	51	6,764,267	4,040	0.1
New LPTV BDCCDTL-20100610ACZ originally	App.	Hammonton, NJ	51	3,991,420	744	<0.1

EXHIBIT E

POWER DENSITY CALCULATION

PROPOSED DIGITAL LOW POWER TELEVISION STATION  
CHANNEL 51 – SALISBURY, MARYLAND

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Salisbury facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 15 kw, an antenna radiation center 100 meters above ground, and the vertical pattern of the ERI antenna, maximum power density two meters above ground of  $0.00049 \text{ mw/cm}^2$  is calculated to occur 88 meters from the base of the tower. Since this is only 0.1 percent of the  $0.37 \text{ mw/cm}^2$  reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 51 (692-698 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.