

EXHIBIT A

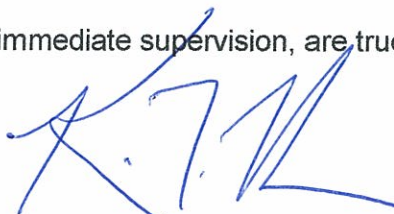
ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of BLUE BONNET COMMUNICATIONS, INC., permittee of digital Low Power Television Station KUIL-LD, Channel 43 in Beaumont, Texas, in support of this application for modification of Construction Permit BDCCDTL-20081125AHI. The purpose of this filing is to specify an increase in antenna height and decrease in effective radiated power. No change in site location is proposed herein.

It is now proposed to mount a standard ERI omnidirectional antenna at the 148-meter level of an existing 150-meter communications tower. Exhibit B is a map upon which the predicted service contours are plotted. It is important to note that the proposed 51 dBu contour encompasses a significant portion of the Grade A contour that obtains from the licensed analog KUIL-LP facility. 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 1012580 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

September 28, 2009

CONTOUR POPULATION

51 DBU : 380,092

41 DBU : 409,251

Smith and Fisher



EXHIBIT B

PROPOSED OPERATING PARAMETERS

PROPOSED KUIL-LD
CHANNEL 43 – BEAUMONT, TEXAS
[MODIFICATION OF BDCCDTL-20081125AHI]

Transmitter Power Output:	1.0 kw
Transmission Line Efficiency:	59.0%
Antenna Power Gain – Toward Horizon:	14.06
Antenna Power Gain – Main Lobe:	14.06
Effective Radiated Power – Toward Horizon:	8.3 kw
Effective Radiated Power – Main Lobe:	8.3 kw

Transmitter Make and Model:	Type-accepted
Rated Output	1.0 kw

Transmission Line Make and Model: Andrew HJ8-50B/LDF7-50A*

Size and Type:	3"/1-5/8" air heliax
Length:	375/118 feet

Antenna Make and Model:	ERI AL8
Orientation	Omnidirectional
Beam Tilt	1.75 degrees
Radiation Center Above Ground:	148 meters
Radiation Center Above Mean Sea Level:	150 meters

*375 feet HJ8-50B plus 118 feet LDF7-50A; combined loss = 2.3 dB

LONGLEY-RICE INTERFERENCE STUDIES
PROPOSED KUIL-LD
CHANNEL 43 – BEAUMONT, TEXAS
[MODIFICATION OF BDCCDTL-20081125AHI]

We conducted detailed interference studies 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 proposed KUIL-LD) already is predicted to exist (also known as "masking"). The results of these studies are provided in Exhibit D-2. They conclude 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 KUIL-LD 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 KUIL-LD
CHANNEL 43 – BEAUMONT, TEXAS
[MODIFICATION OF BDCCDTL-20081125AHI]

<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>
KYHT-LD BDCCDTL-20061004AAR	CP	Lake Charles, LA	43	165,014	64	<0.1
KTBU-DT BLCDT-20050103AJA	Lic.	Conroe, TX	42	4,841,441	401	<0.1

EXHIBIT E

POWER DENSITY CALCULATION

PROPOSED KUIL-LD
CHANNEL 43 – BEAUMONT, TEXAS

[MODIFICATION OF BDCCDTL-20081125AHI]

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Beaumont facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 8.3 kw, an antenna radiation center 148 meters above ground, and the vertical pattern of the ERI antenna, maximum power density two meters above ground of 0.00012 mw/cm^2 is calculated to occur 131 meters from the base of the tower. Since this is less than 0.1 percent of the 0.43 mw/cm^2 reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 43 (644-650 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.