

File Number: **0002663671**  
Status: **Submitted**  
Date Received: **6/26/2006, 4:48 PM**

## **Applicant Information**

### **Applicant Name**

Entity Name: **Killeen Christian Broadcasting Corporation**  
Jurisdiction of Formation: **TX**

### **Applicant Legal Classification and Status**

Legal Classification: **Corporation**  
Applicant Status: **Woman Owned Business**  
Noncommercial Educational Election: **No**

### **Applicant Address**

Address Line 1: **502 E. Elms Road**  
Address Line 2: **Suite D**  
City: **Killeen**  
State: **TX**  
Zip Code: **76547**

### **Responsible Party**

Name: **Catherine Mason**  
Title: **President, Director**  
Telephone Number : **(254) 554-3683**  
Email Address: **cmason@kple.org**

### **Contact Information**

Name: **Joseph E Dunne III**  
Telephone Number: **(970) 385-7312**  
Fax Number: **(970) 385-7343**  
Email Address: **lawman@animas.net**  
Address Line 1: **651 Sawmill Road, Rafter J**  
Address Line 2: **Suite A**  
City: **Durango**  
State: **CO**  
Zip Code: **81303-7403**

### **Authorized Bidders**

Bidder 1: **Catherine M Mason**  
Bidder 2: **Stephen M Coffino**  
Bidder 3: **Joseph E Dunne III**  
Bidding Option: **Electronic**

## Engineering Proposals

### Engineering Proposal: Proposal 1

#### Proposal

Proposal Description:  
Service Type:

**Proposal 1**  
**Class A Television**

#### Purpose

Application Purpose:

**Digital Companion Channel**

#### Existing Facility

Facility ID:  
Call Sign:

**34606**  
**KPLE-LP**

#### Community of License

City:  
State:  
Channel:  
Latitude:  
Longitude:

**KILLEEN**  
**TX**  
**30**  
**31° 4' 50.0" N**  
**97° 44' 41.0" W**

#### Technical Specifications

Antenna Location Site Elevation Above Mean Sea Level: **289** meters  
Overall Tower Height Above Ground Level: **87.8** meters  
Height of Radiation Center Above Ground Level: **84** meters  
Maximum Effective Radiated Power (ERP): **15** kW  
Transmitter Output Power: **1.6** kW  
Out-of-Channel Emission Mask: **Stringent**

#### Antenna Type

Type:  
Manufacturer:  
Model:  
Electrical Beam Tilt?  
Electrical Beam Degrees:  
Rotation?

**Nondirectional Antenna**  
**ERI**  
**AL8**  
**Yes**  
**1.75 °**  
**No**

## New Entrant Eligibility

### Bidding Credit Eligibility

Credit Level:

**Seeking 35% bidding credit**

## Agreements

### Agreements with Other Parties and Joint Bidding Arrangements

Agreements? **No**

### Agreements

## Ownership

### Detail for Disclosable Interest Holder: Catherine M Mason

#### Disclosable Interest Holder Type and Name

Disclosable Interest Holder Name: **Catherine M Mason**  
Disclosable Interest Holder Type: **Individual**  
FRN:

#### Disclosable Interest Holder Address

Address Line 1: **5310-B Daybreak**  
Address Line 2:  
City: **Killeen**  
State: **TX**  
Zip Code: **76542**

#### Type of Interest in Applicant

**Direct Ownership Interest in Applicant**  
**Officer**  
**Director**

#### Type of Ownership Interest in Applicant

**Other: Officer and Director of a nonprofit, nonstock corporation**

#### Disclosable Interest Held in Applicant

Percent of Interest Held in Applicant: **33.33%**  
Country of Citizenship: **United States**

### Detail for Disclosable Interest Holder: Robert A Mason

#### Disclosable Interest Holder Type and Name

Disclosable Interest Holder Name: **Robert A Mason**  
Disclosable Interest Holder Type: **Individual**  
FRN:

#### Disclosable Interest Holder Address

Address Line 1: **8001 Trophy Court**  
Address Line 2:

City: **Harker Heights**  
State: **TX**  
Zip Code: **75089**

**Type of Interest in Applicant**

**Direct Ownership Interest in Applicant**  
**Director**

**Type of Ownership Interest in Applicant**

**Other: Director of a nonprofit, nonstock corporation**

**Disclosable Interest Held in Applicant**

Percent of Interest Held in Applicant: **33.33%**  
Country of Citizenship: **United States**

**Detail for Disclosable Interest Holder: Susan K Mooney****Disclosable Interest Holder Type and Name**

Disclosable Interest Holder Name: **Susan K Mooney**  
Disclosable Interest Holder Type: **Individual**  
FRN:

**Disclosable Interest Holder Address**

Address Line 1: **827 Roy Reynolds Dr.**  
Address Line 2:  
City: **Harker Heights**  
State: **TX**  
Zip Code: **76548**

**Type of Interest in Applicant**

**Officer**  
**Director**

**Type of Ownership Interest in Applicant**

**Other: Director and Officer of nonprofit, nonstock corporation**

**Disclosable Interest Held in Applicant**

Percent of Interest Held in Applicant: **33.33%**  
Country of Citizenship: **United States**

**Certify & Submit****Certification Information**

Former Defaulter? **No**  
Certifier Name: **Catherine M Mason**

Certifier Title:

**President****Submission Information**

Application Submitted:

**6/26/2006, 4:48 PM**

File Number:

**0002663671****Attachment List**

<b>Type</b>	<b>Description</b>	<b>Upload Date</b>
Other	Killeen Engineering	6/26/2006, 4:47 PM

## SMITH AND FISHER

EXHIBIT A

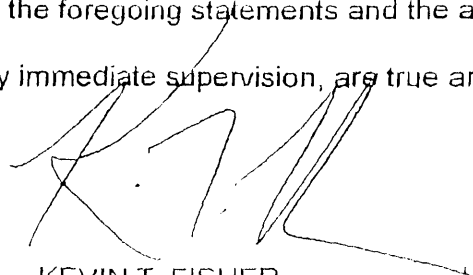
## ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of KILLEEN CHRISTIAN BROADCASTING CORPORATION, licensee of Class A LPTV station KPLE-LP, Channel 31 in Killeen, Texas, in support of this Application for Construction Permit to specify digital operation on Channel 30 from the licensed KPLE-LP site, as a companion-channel proposal.

It is proposed to mount a standard ERI omnidirectional antenna at the authorized height on the side of the existing 88-meter communications tower. Exhibit B is a map upon which the predicted service contours are plotted. It is important to note that the newly proposed 51 dBu contour encompasses the station's city of license. 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 1048848 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

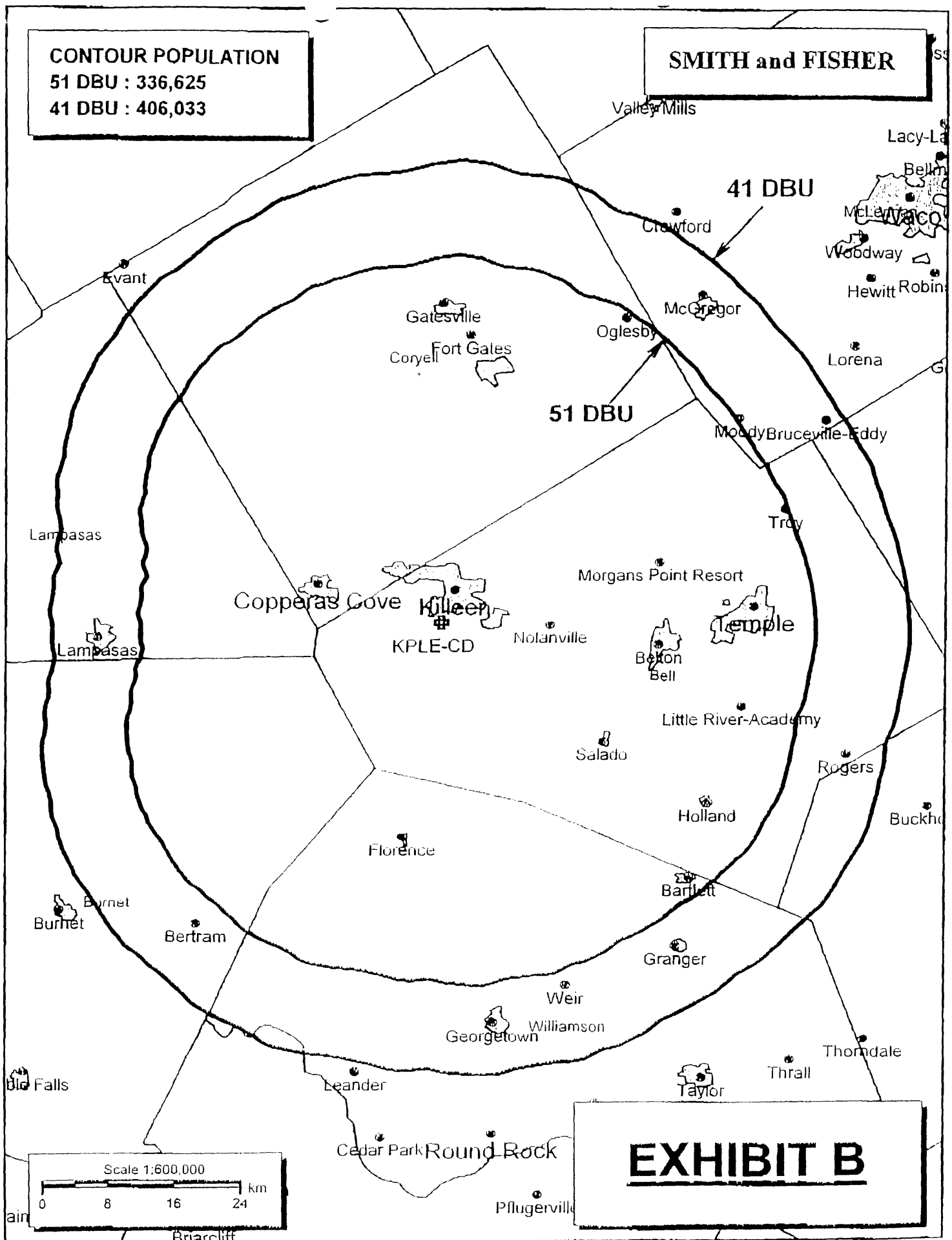
June 20, 2006

**CONTOUR POPULATION**

**51 DBU : 336,625**

**41 DBU : 406,033**

**SMITH and FISHER**



## SMITH AND FISHER

EXHIBIT C

## PROPOSED OPERATING PARAMETERS

PROPOSED KPLE-CD  
CHANNEL 30 – KILLEEN, TEXAS

Transmitter Power Output:	1.6 kw
Transmission Line Efficiency:	66.5%
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
Rated Output	2.0 kw
Transmission Line Make and Model:	Andrew LDF7-50A
Size and Type:	1-5/8" foam heliax
Length:	300 feet*
Antenna Make and Model:	ERI AL8
Orientation	Omnidirectional
Beam Tilt	1.75 degrees
Radiation Center Above Ground:	84 meters
Radiation Center Above Mean Sea Level:	373 meters

\*estimated



EXHIBIT D-1

LONGLEY-RICE INTERFERENCE STUDIES  
PROPOSED KPLE-CD  
CHANNEL 30 – KILLEEN, TEXAS

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 0.1 kilometer increments along each radial studied, and employs the 1990 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 KPLE-CD) 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 KPLE-CD facility complies with the requirements of Sections 73.6016, 73.6017, 73.6018, 73.6019, 73.6020, 73.6027 and 74.794(b) of the Commission's Rules.

SMITH AND FISHER

EXHIBIT D-2

INTERFERENCE SUMMARY

PROPOSED KPLE-CD  
CHANNEL 30 -- KILLEEN, TEXAS

<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>
KPLE-LP BLTTL-19930713IH	Lic.	Killeen, TX	31	116,968	94,385	81*
KMPX-DT BLCDD-20060317AGE	Lic.	Decatur, TX	30	4,211,057	555	<0.1
KABB-DT BPCDD-19991028AAR	CP	San Antonio, TX	30	1,607,458	1,768	0.1

\*This is the analog companion channel to KPLE-CD; interference is accepted and can therefore be ignored.

EXHIBIT E

POWER DENSITY CALCULATION

PROPOSED KPLE-CD  
CHANNEL 31 -- KILLEEN, TEXAS

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Killeen 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 84 meters above ground, and the vertical pattern of the ERI antenna, maximum power density two meters above ground of  $0.00070 \text{ mw/cm}^2$  is calculated to occur 74 meters from the base of the tower. Since this is less than 0.1 percent of the  $0.38 \text{ mw/cm}^2$  reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 30 (566.572 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.



## Auctions

FCC > Wireless > Auctions > Auction Application

Logged In: FRN 0006713496 (Log Out)

Applicant: **Killeen Christian Broadcasting Corporation**

Initial Filing Closes: **06/30/2006 6:00 PM (ET)**

Status: **Submitted**

### Auction 85

**LPTV Digital Companion  
Channel**

Summary

Attachments

Print Preview

Help

Quit

### Certify & Submit

#### Auction Application Submit Confirmation

Your Auction Application has been received on 6/26/2006 at 4:48 PM. Your file number is 0002663671. Please print your application for your records.

AUCTION APPLICATION MANAGER

► Wire Transfer for Refund Purposes

#### Steps

Applicant Information

Engineering Proposals

New Entrant Eligibility

Agreements

Ownership

Summary

► **Certify & Submit**

#### Common Questions

When is my data saved during the data entry process?

What is the difference between a warning and an error?

What is Form 159 and how do I fill it out?

How can I get a copy of the information I submitted?

Must I go to the Upfront Calculator and Form 159 immediately?

Do I have to submit an upfront payment to cover all the construction permits I selected on my Form 175?

How will I know the status of my Form 175?

When can I see the Form 175 of other applicants for the auction?

**Joseph Dunne**

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**From:** "FCC Auctions" <auctions@fcc.gov>  
**To:** "Joseph E Dunne III" <lawman@animas.net>  
**Sent:** Monday, June 26, 2006 2:50 PM  
**Subject:** 85 LPTV Digital Companion Channel - Auction Application Confirmation

Your Auction 85 LPTV Digital Companion Channel Application was successfully received on 6/26/2006, 4:48 PM. Your application file number is 0002663671. Please retain this information for your records.

FCC Auctions Division

6/27/2006