

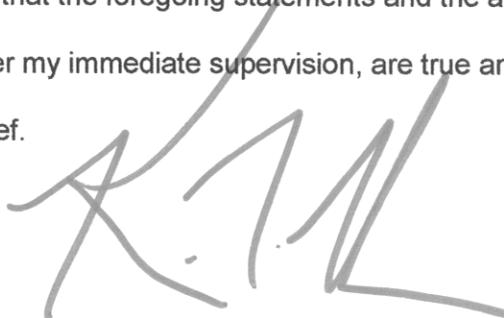
## ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of TRINITY BROADCASTING NETWORK, permittee of Television Translator W46CY, Channel 46 in Birmingham, Alabama, in support of this application for modification of Construction Permit BPTT-JG0601PN, now to specify a new site.

It is proposed to mount a standard Andrew omnidirectional antenna on the side of an existing 336-meter communications tower. Exhibit B is a map upon which are plotted the predicted service contours of authorized W46CY and that proposed herein. As shown, the newly proposed 74 dBu contour encompasses a significant portion of that which obtains from the W46CY authorization. Therefore, the changes proposed herein constitute a "minor" change in facilities. Operating parameters for the proposed facility are tabulated in Exhibit C. A contour overlap analysis and interference study are 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 1226663 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.



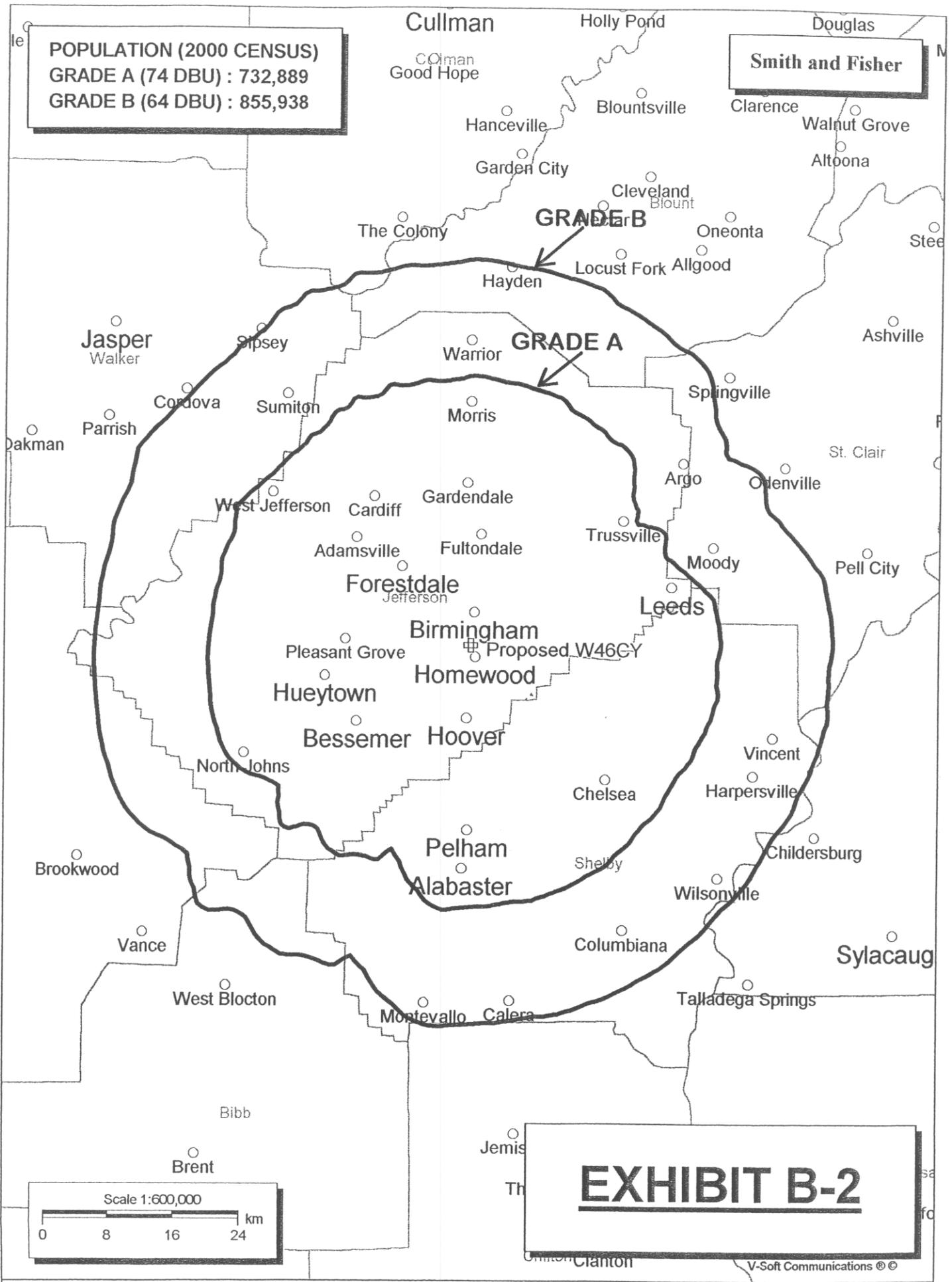
KEVIN T. FISHER

November 8, 2002



**POPULATION (2000 CENSUS)**  
**GRADE A (74 DBU) : 732,889**  
**GRADE B (64 DBU) : 855,938**

**Smith and Fisher**



**EXHIBIT B-2**

V-Soft Communications ©

EXHIBIT C

## PROPOSED OPERATING PARAMETERS

PROPOSED W46CY  
CHANNEL 46 - BIRMINGHAM, ALABAMA  
[MODIFICATION OF BPTT-JG0601PN]

Transmitter Power Output:	5.0 kw
Transmission Line Efficiency:	49.9%
Antenna Power Gain – Toward Horizon:	6.05
Antenna Power Gain – Main Lobe:	21.49
Effective Radiated Power – Toward Horizon:	15.1 kw
Effective Radiated Power – Main Lobe:	53.6 kw
Transmitter Make and Model:	Type-accepted
Rated Output	5.0 kw
Transmission Line Make and Model:	Andrew HJ7-50A
Size and Type:	1-5/8" air heliax
Length:	540 feet
Antenna Make and Model:	Andrew ALP12L2-HSOC
Orientation	Omnidirectional
Beam Tilt	2.0 degrees
Effective Height Above Ground:	115.8 meters
Effective Height Above Mean Sea Level:	404.5 meters