

EXHIBIT A

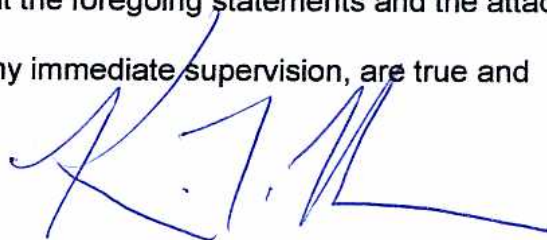
ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of TRINITY BROADCASTING NETWORK, licensee of television translator W64BJ in Scottsboro, Alabama, in support of this application for modification of Construction Permit BPTT-20030313AVE to specify digital operation on Channel 27 (its authorized displacement channel) from the licensed W64BJ site, as a "flashcut" proposal.

It is proposed to utilize the authorized Andrew omnidirectional antenna at the authorized height on the side of the existing 61-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 a significant portion of the Grade A contour that obtains from the licensed W64BJ 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. Due to the diminutive height of the tower and its proximity to the nearest airport runway, FCC antenna structure registration is not required. This conclusion is supported by the Commission's TOWAIR Program.

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

CONTOUR POPULATION

51 DBU : 219,438

41 DBU : 446,675

SMITH and FISHER

41 DBU

51 DBU

EXHIBIT B

Scale 1:700,000

0 9 18 27 km

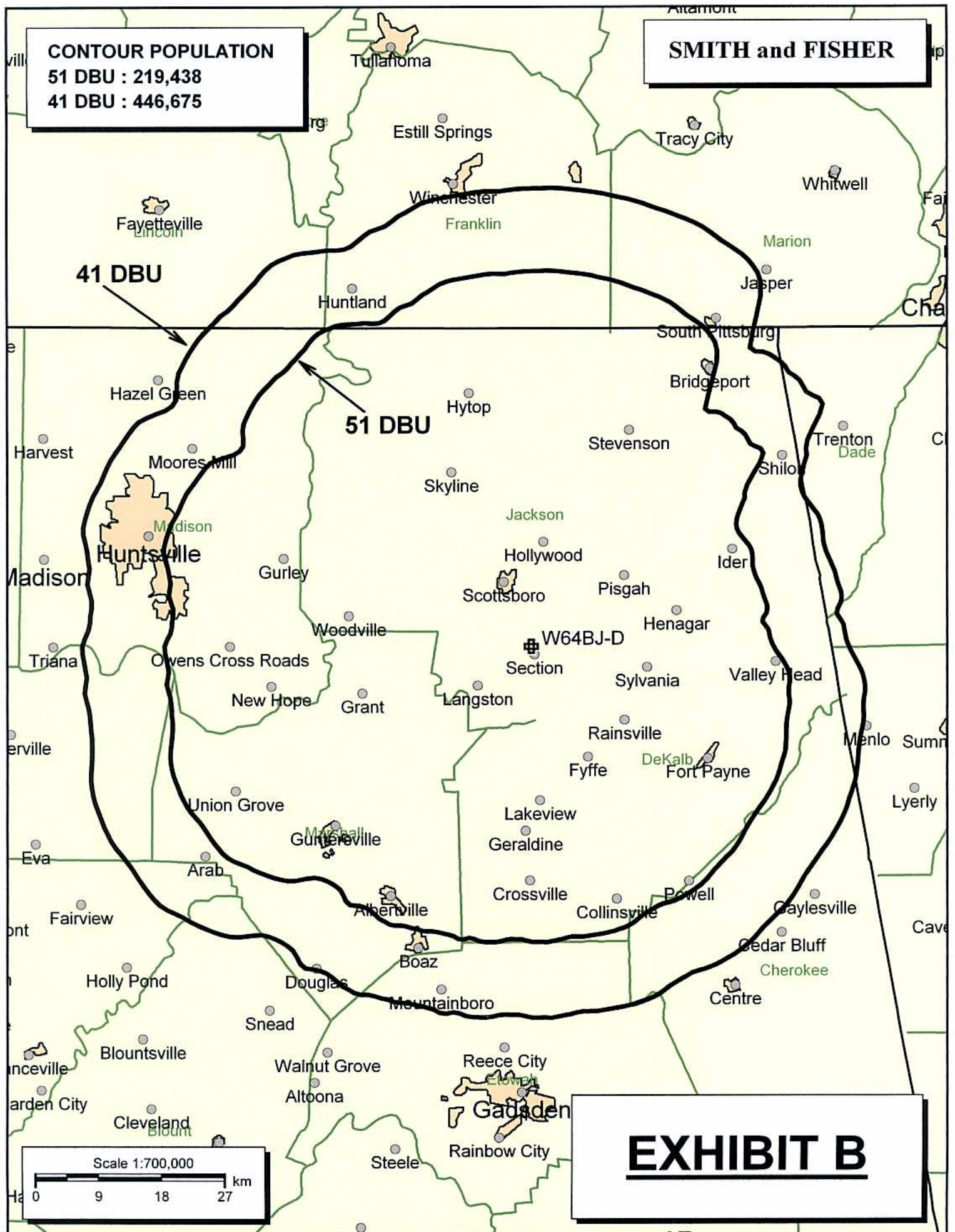


EXHIBIT C

PROPOSED OPERATING PARAMETERS

PROPOSED W64BJ-D
CHANNEL 27 – SCOTTSBORO, ALABAMA
[MODIFICATION OF BPTT-20030313AVE]

Transmitter Power Output:	1.3 kw
Transmission Line Efficiency:	79.2%
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:	175 feet
Antenna Make and Model:	Andrew AL8
Orientation	Omnidirectional
Beam Tilt	1.75 degrees
Radiation Center Above Ground:	46 meters
Radiation Center Above Mean Sea Level:	461 meters

EXHIBIT D-1

LONGLEY-RICE INTERFERENCE STUDIES
PROPOSED W64BJ-D
CHANNEL 27 – SCOTTSBORO, ALABAMA
[MODIFICATION OF BPTT-20030313AVE]

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 W64BJ-D) 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 W64BJ-D 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 W64BJ-D
 CHANNEL 27 – SCOTTSBORO, ALABAMA
 [MODIFICATION OF BPTT-20030313AVE]

<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>
WKRN-DT BLCDT-20020528AAC	Lic.	Nashville, TN	27	1,621,999	537	<0.1
WAGA-DT BLCDT-2000031AAU	Lic.	Atlanta, GA	27	3,479,281	3,423	0.1
WAGA-DT BMPCDT-20050630AGJ	CP	Atlanta, GA	27	3,498,137	2,160	<0.1
WAAY-TV BLCT-2537	Lic.	Huntsville, AL	31	813,405	161	<0.1
WTTO-DT BMPCDT-20041104AMB	CP	Homewood, AL	28	1,526,362	4,429	0.3
WCQT-LP BLTTL-20050125AHL	Lic.	Cullman, AL	27	37,461	162	0.4
WAIQ-DT BMPEDT-20021122AAW	CP	Montgomery, AL	27	534,776	101	<0.1
WTJP-DT BLCDT-20050511AAF	Lic.	Gadsden, AL	26	1,273,047	4,232	0.3
WHIQ(TV) BLET-20050228AAT	Lic.	Huntsville, AL	25	689,508	921	0.1

EXHIBIT E

POWER DENSITY CALCULATION

PROPOSED W64BJ-D
CHANNEL 27 – SCOTTSBORO, ALABAMA
[MODIFICATION OF BPTT-20030313AVE]

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Scottsboro 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 46 meters above ground, and the vertical pattern of the Andrew antenna, maximum power density two meters above ground of 0.0024 mw/cm^2 is calculated to occur 40 meters from the base of the tower. Since this is only 0.7 percent of the 0.37 mw/cm^2 reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 27 (548-554 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.