EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of SUNSHINE STATE TELEVISION NETWORKS, INC., licensee of Class A digital television station KOHC-CD, Channel 45 in Oklahoma City, Oklahoma, in support of its Application for Construction Permit to specify operation on its post-repack channel, Channel 31. No change in site location, antenna azimuth pattern or antenna height is proposed herein.

It is proposed to mount a PSI omnidirectional antenna at the 54-meter level of the existing 60-meter tower on which the present KOHC-CD antenna is located. The proposed effective radiated power for the facility is 11.4 kW in horizontal plane, which is the allotted repack power level for KOHC-CD. Exhibit B is a map upon which the predicted 51 dBu service contour is plotted.

A typical elevation pattern for a 12-bay omnidirectional antenna like the one proposed herein is included in Exhibit C. Since the facility proposed herein specifies the exact repack allotment facility assigned to KOHC-CD, no interference study is included herein. A detailed power density calculation is provided in Exhibit D.

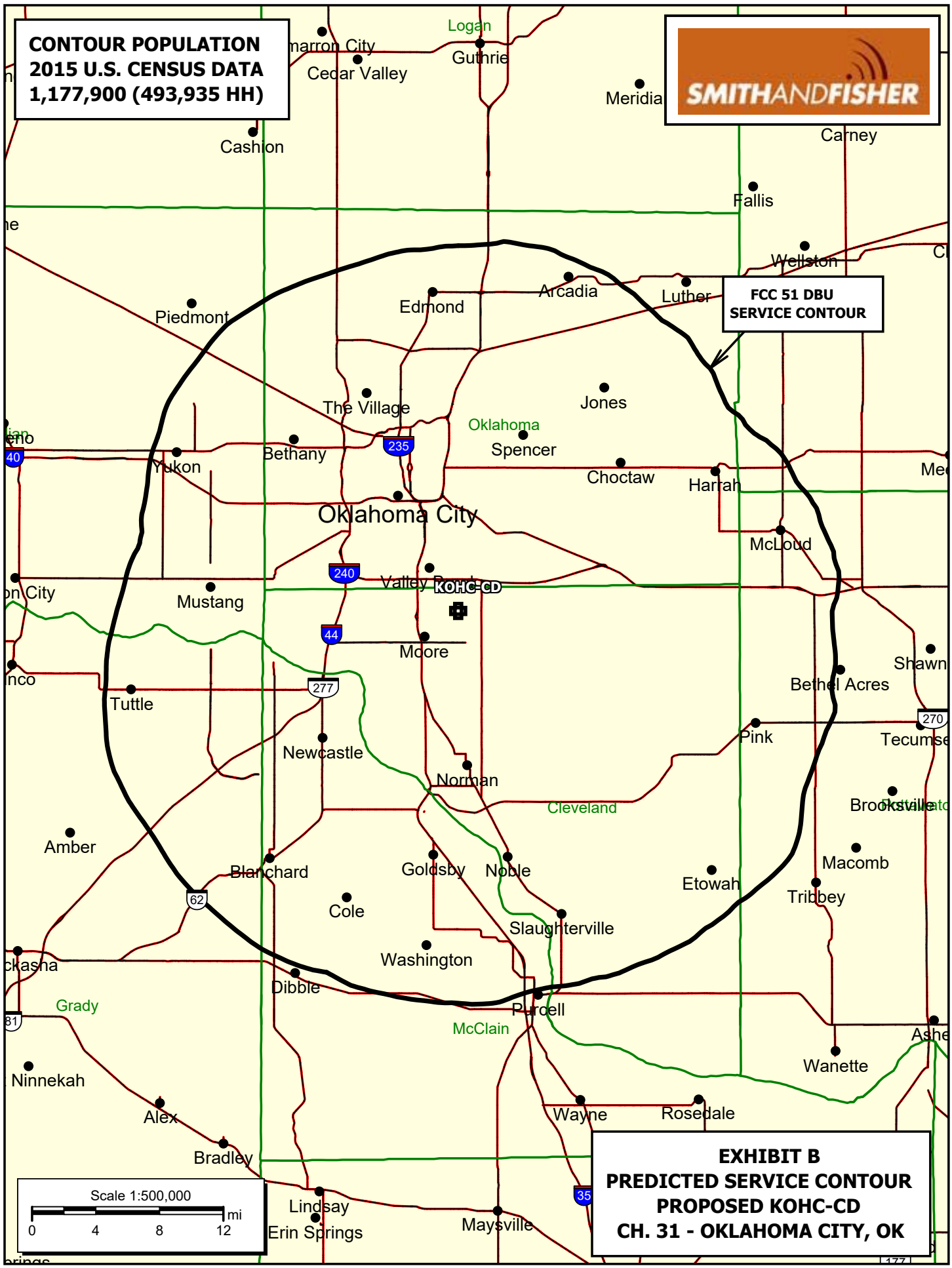
Since no change in the overall height or location of the existing KOHC-CD tower is proposed herein, and due to the diminutive height of the tower (60 meters) and its proximity to the nearest airport runway, the Federal Aviation Administration has not been notified of this application. In addition, and for the same reasons, FCC Antenna Structure Registration is not required. This conclusion is supported by the Commission's TOWAIR software.

EXHIBIT A

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

May 29, 2017


CONTOUR POPULATION
2015 U.S. CENSUS DATA
1,177,900 (493,935 HH)
SMITHANDFISHER
FCC 51 DBU
SERVICE CONTOUR
Logan
Guthrie
Cedar Valley
Meridian
Carney
Cashion
Fallis
Wellston
Arcadia
Luther
Edmond
Piedmont
The Village
Jones
Oklahoma
Spencer
Bethany
Yukon
Choctaw
Harrah
Oklahoma City
McLoud
Valley Road
KOHC-CD
Mustang
Moore
Shawnee
Bethel Acres
Tuttle
Pink
Newcastle
Norman
Cleveland
Amber
Blanchard
Goldsby
Noble
Etowah
Macomb
Tribbey
Cole
Slaughterville
Washington
Dibble
Grady
Purcell
McClain
Ninnekah
Alex
Wanette
Wayne
Rosedale
Bradley
Lindsay
Erin Springs
Maysville
Scale 1:500,000
0 4 8 12 mi
EXHIBIT B
PREDICTED SERVICE CONTOUR
PROPOSED KOHC-CD
CH. 31 - OKLAHOMA CITY, OK

ELEVATION PATTERN

Type:			**Channel:**	31
Directivity:	**Numeric**	**dBd**	**Location:**	
Main Lobe:	12.64	11.02	**Beam Tilt:**	-0.50
Horizontal:	12.02	10.80	**Polarization:**	Horizontal

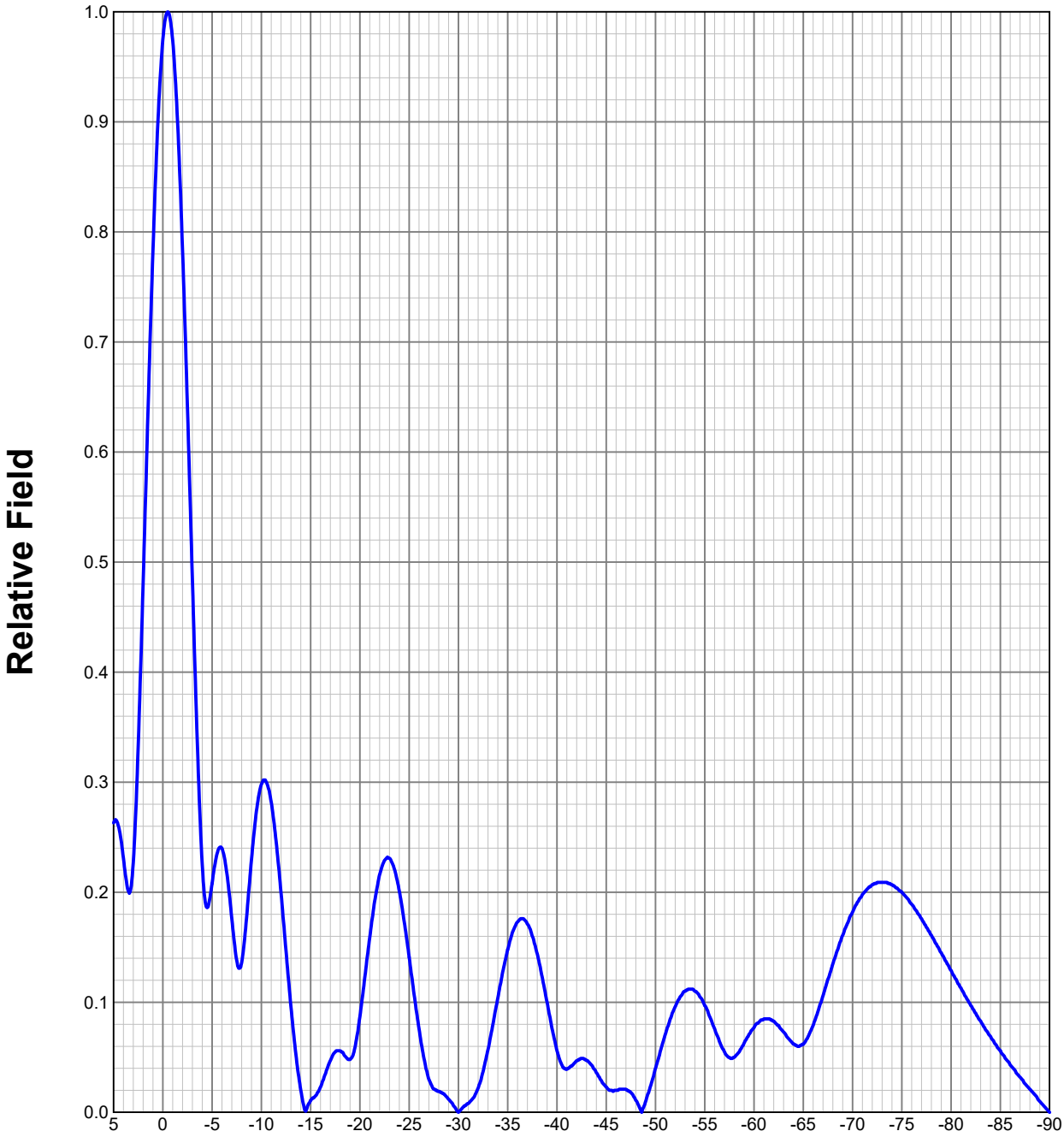


EXHIBIT D

POWER DENSITY CALCULATION

PROPOSED KOHC-CD
CHANNEL 31 – OKLAHOMA CITY, OKLAHOMA

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Oklahoma City facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 11.4 kW, an antenna radiation center 54 meters above ground, and the specific elevation pattern of a typical 12-bay slotted cylinder antenna like the one proposed herein, maximum power density two meters above ground of 0.0054 mW/cm^2 is calculated to occur 16 meters from the base of the tower. Since this is only 1.4 percent of the 0.38 mW/cm^2 reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 31 (572-578 MHz), a grant of this proposal may be considered a minor environmental action with respect to public exposure to non-ionizing 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 non-ionizing radiation.