

EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of NEW YORK SPECTRUM HOLDING COMPANY, LLC, licensee of digital Low Power Television Station KVFW-LD, Channel 38 in Fort Worth, Texas, in support of its displacement Application for Construction Permit to specify operation on Channel 7. This station is being displaced as a result of the spectrum auction and the relocation of upper UHF channel television stations to the band between Channels 14 and 36. No change in site location or antenna height is proposed herein.

It is proposed to mount a directional antenna at the 240-meter level of the existing 473-meter communications tower on which the present KVFW-LD antenna is located. The proposed effective radiated power for the facility is 3.0 kW in horizontal plane. Exhibit B is a map upon which the predicted 48 dBu service contour is plotted.

Exhibit C is a summary report from a TVStudy interference analysis for the proposed facility. Our study employed both a cell size and increment spacing of 1.0 kilometer. Further the applicant proposes use of a full-service mask filter. The results indicate that the proposed KVFW-LD facility meets the Commission's interference requirements to all full-power and low-power co-channel and adjacent-channel television facilities.

A detailed power density calculation is provided in Exhibit D.

Since no change in the overall height or location of the existing KVFW-LD tower is proposed herein, the Federal Aviation Administration has not been notified of this application. In addition, the FCC issued Antenna Structure Registration Number 1055009 to this tower.

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.

A handwritten signature in blue ink, appearing to read "K. T. Fisher". The signature is stylized with a large "K", a small "T", and a long horizontal line for the "Fisher" part.

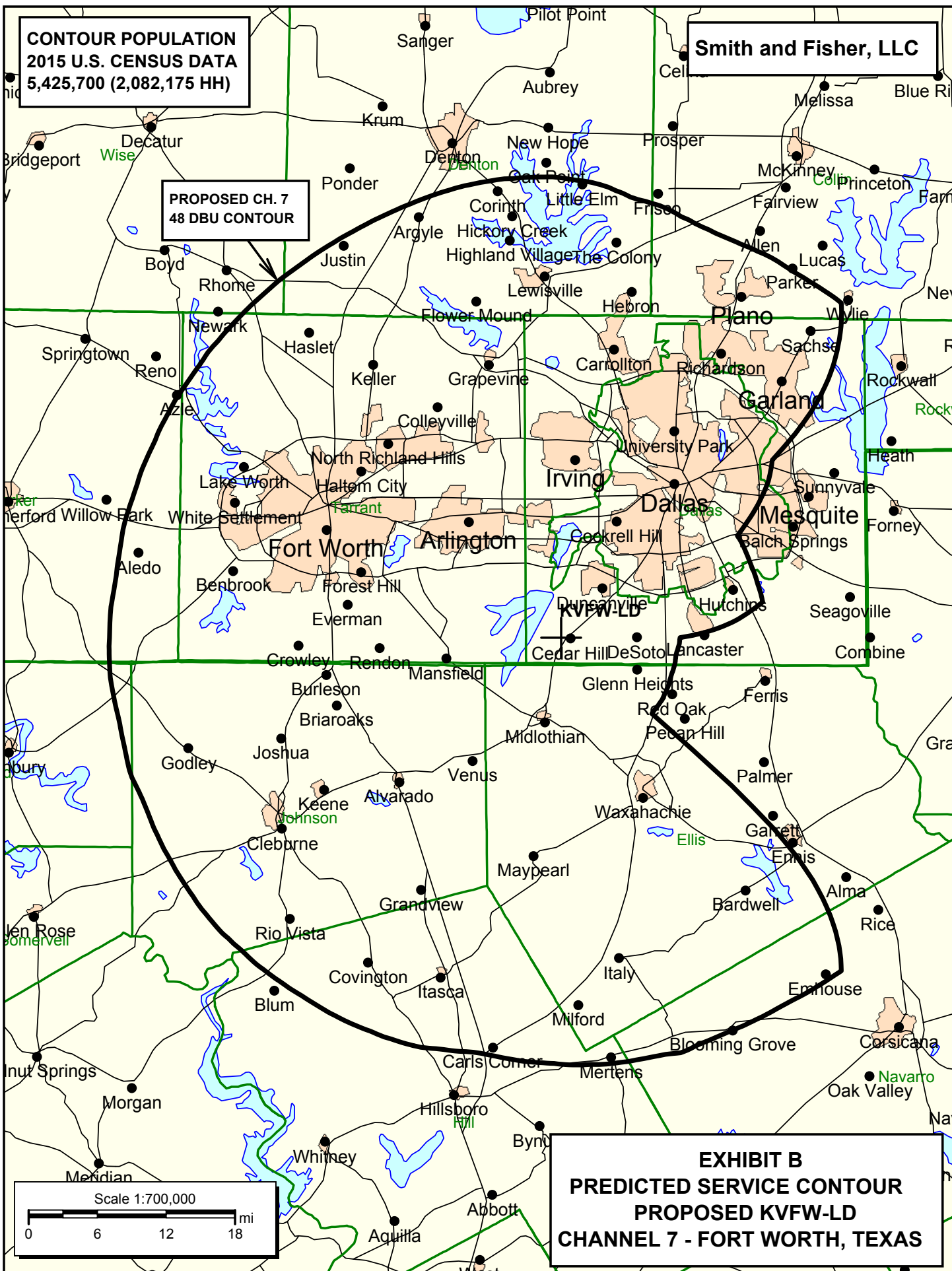
KEVIN T. FISHER

May 3, 2018

**CONTOUR POPULATION
2015 U.S. CENSUS DATA
5,425,700 (2,082,175 HH)**

Smith and Fisher, LLC

**PROPOSED CH. 7
48 DBU CONTOUR**



TVSTUDY INTERFERENCE ANALYSIS RESULTS
 PROPOSED KVFW-LD
 CHANNEL 7 – FORT WORTH, TEXAS

Study created: 2018.05.03 10:34:24

Study build station data: LMS TV 2018-04-07

Proposal: KVFW-LD D7 LD LIC FORT WORTH, TX
 File number: BLDTT20100521AAJ
 Facility ID: 53433
 Station data: User record
 Record ID: 210
 Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KUFS-LP	D7	LD	CP	FORT SMITH, AR	BLANK0000024381	347.1 km
No	KPLC	D7	DT	LIC	LAKE CHARLES, LA	BLCDT20091202ABY	448.2
Yes	KOCO-TV	D7	DT	LIC	OKLAHOMA CITY, OK	BLCDT20100615ACT	333.9
Yes	KTBC	D7	DT	APP	AUSTIN, TX	BLANK0000035707	265.1
Yes	KTBC	D7	DT	LIC	AUSTIN, TX	BLCDT20100122ACM	265.1
No	KDHU-LD	D7	LD	LIC	HOUSTON, TX	BLDVL20101202AAQ	363.1
No	KDHU-LD	D7	LD	CP	HOUSTON, TX	BPDVL20110829AAI	363.1
No	KHXL-LP	N7-	TX	LIC	HUNTSVILLE, TX	BLTVL20010301ACH	252.8
No	KETX-LP	N7+	TX	LIC	LIVINGSTON, TX	BLTVL20060131BQR	282.5
Yes	KLTV	D7	DT	LIC	TYLER, TX	BLCDT20090622AAT	164.0
No	KBHO-LD	D7	LD	LIC	VICTORIA, TX	BLANK0000016772	373.5
No	WFAA	D8	DT	LIC	DALLAS, TX	BLCDT20110110AAH	0.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D7

Mask: Full Service

Latitude: 32 35 22.00 N (NAD83)

Longitude: 96 58 12.90 W

Height AMSL: 493.0 m

HAAT: 0.0 m

Peak ERP: 3.00 kW

Antenna: KVFWD7 0.0 deg

Elev Pattn: Generic

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	3.00 kW	336.2 m	64.4 km
45.0	1.08	286.5	54.0
90.0	0.003	290.9	16.7
135.0	0.796	285.8	51.9
180.0	3.00	260.1	59.7
225.0	3.00	310.3	62.6
270.0	3.00	320.4	63.3
315.0	3.00	325.5	63.6

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 302 m

Distance to Canadian border: 1601.4 km

Distance to Mexican border: 520.4 km

Conditions at FCC monitoring station: Kingsville TX

Bearing: 189.0 degrees Distance: 578.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 320.9 degrees Distance: 1115.3 km

Study cell size: 1.00 km

Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%

Maximum new IX to LPTV: 2.00%

---- Below is IX received by proposal BLDTT20100521AAJ ----

**MX with BLANK0000035707 APP scenario 1, 7.89% interference received

Proposal receives 7.89% interference from scenario 2

POWER DENSITY CALCULATION

PROPOSED KVFW-LD
CHANNEL 7 – FORT WORTH, 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 Fort Worth facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 3.0 kW, an antenna radiation center 240 meters above ground, and assuming a vertical relative field value of 20 percent at the steeper elevation angles for the proposed antenna, maximum power density two meters above ground of 0.000071 mW/cm^2 is calculated to occur near the base of the tower. Since this is significantly less than 0.1 percent of the 0.20 mW/cm^2 reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 7 (174-180 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.