

EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of KTBC LICENSE, INC., licensee of Digital Television Station KTBC-DT, Channel 56 in Austin, Texas, in support of its request for Special Temporary Authority to operate post-transition on Channel 7 (its allotment channel) with its digital auxiliary facility, authorized in BXPCDT-20080429AAR, until such time as it can finish construction of its final post-transition DTV facility (BPCDT-20080317ADZ, as modified). No changes in the operating parameters of the auxiliary facility are proposed, except that an effective radiated power of 37 kw is specified herein.

This STA is necessary because the digital antenna on Channel 7 will be placed in the analog antenna's aperture, and the DTV antenna cannot be mounted until the analog antenna is removed. It is anticipated that this STA will be required through the Spring of 2009.

Elevation and azimuth pattern data for the proposed antenna are provided in Exhibit B. Exhibit C lists the proposed parameters of the STA facility. Exhibit D-1 is a map upon which the predicted service contours are plotted. As shown, the City of Austin is completely contained within the proposed 43 dBu contour.

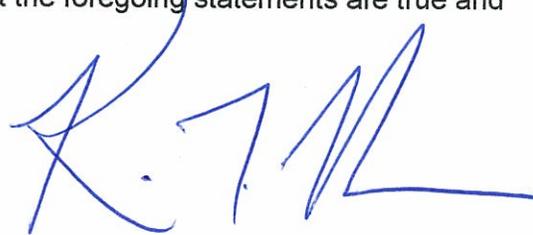
Exhibit D-2 is a map upon which the noise-limited contours of analog KTBC(TV) (Channel 7), present KTBC-DT (Channel 56), and the proposed KTBC-DT STA facility on Channel 7 are plotted. We have performed a Longley-Rice-based coverage analysis for the proposed facility and find that the interference-free service population is 1,537,892 (based on the 2000 U. S. Census). This value is 85.5% of the analog KTBC interference-free service population (1,798,356) calculated by the FCC and reported in their allotment table (dated

December 21, 2004). In addition, the proposed DTV STA operation on Channel 7 will cover 87.1% of the 1,764,784 people within the present interference-free service area of KTBC-DT on Channel 56. On these bases, this proposal meets the Commission's 85% coverage requirement for post-transition STA facilities.

We have conducted a Longley-Rice interference study (based on the methodology contained in the FCC's *OET Bulletin 69*). The results of that study are provided in Exhibit E. It concludes that the proposed temporary post-transition operation of the KTBC-DT auxiliary facility will not cause more than 0.5 percent interference to any post-transition digital television facility or Class A low power television station.

A power density calculation is included in Exhibit F.

I declare under penalty of perjury that the foregoing statements are true and correct to the best of my knowledge and belief.

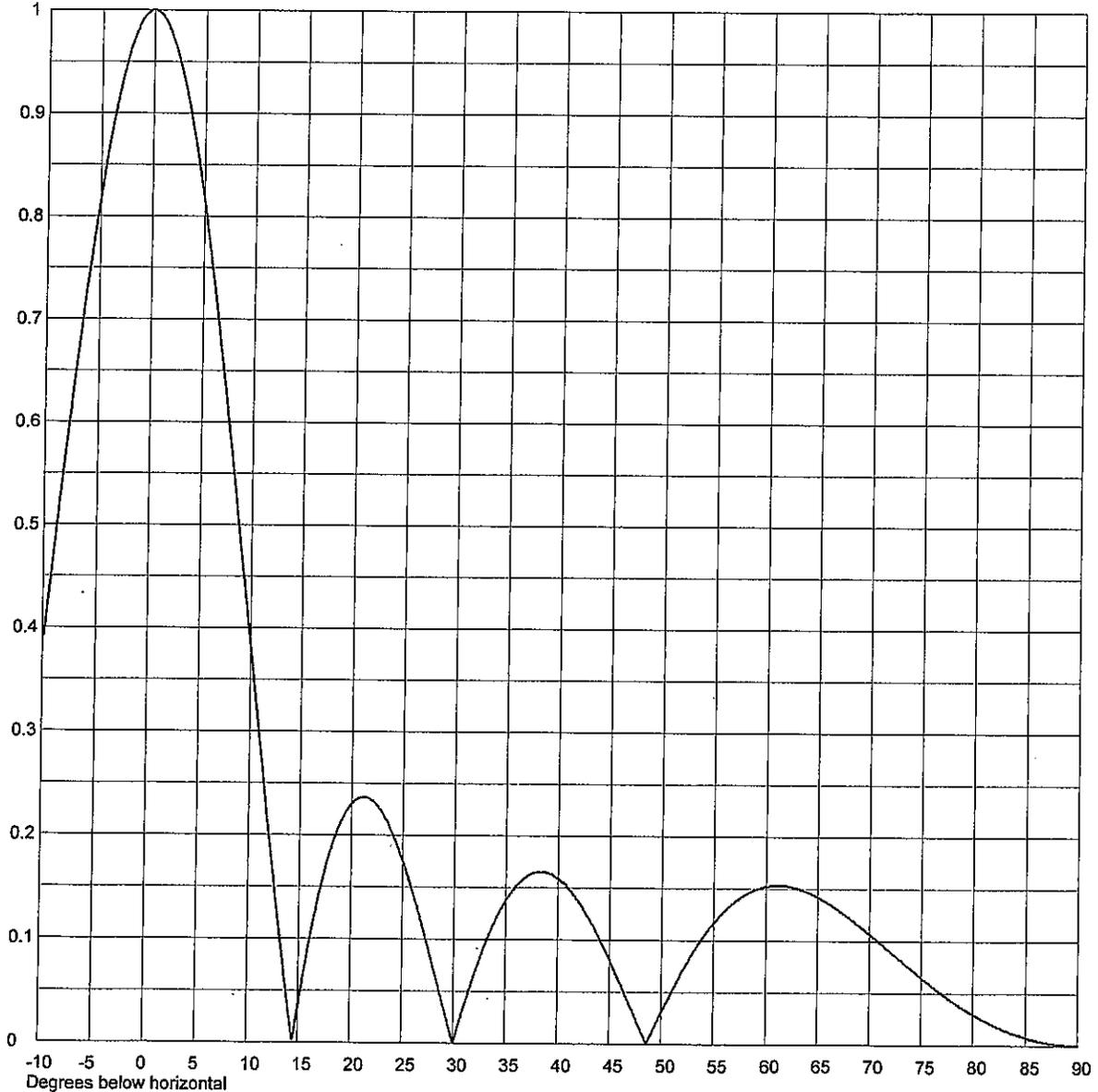


KEVIN T. FISHER

December 11, 2008

ELEVATION PATTERN

RMS Gain at Main Lobe	4.0 (6.02 dB)	Beam Tilt	0.00 Degrees
RMS Gain at Horizontal	4.0 (6.02 dB)	Frequency	177.00 MHz
Calculated / Measured	Calculated	Drawing #	04S040000-90



Remarks:

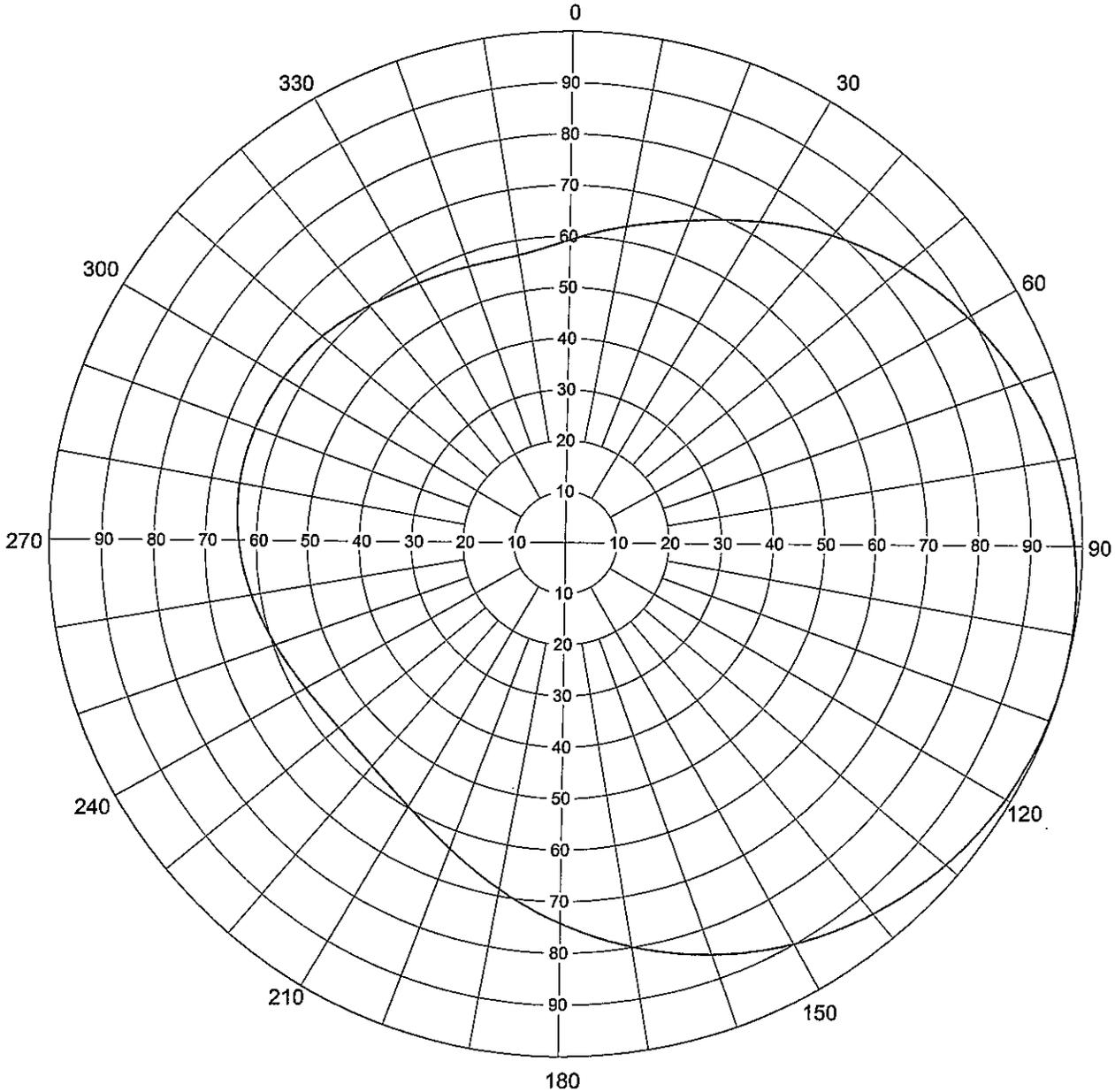
EXHIBIT B-1
ANTENNA ELEVATION PATTERN
PROPOSED KTBC-DT STA
CHANNEL 7 – AUSTIN, TEXAS
SMITH AND FISHER

Date **11 Dec 2008**
Call Letters
Location
Customer
Antenna Type **TLS-V**

Channel **7**

AZIMUTH PATTERN

Gain **1.70 (2.30 dB)** Frequency **177 MHz**
Calculated / Measured **Calculated** Drawing # **TLS-S170**



Remarks:

EXHIBIT B-2
ANTENNA AZIMUTH PATTERN
PROPOSED KTBC-DT STA
CHANNEL 7 – AUSTIN, TEXAS
SMITH AND FISHER

TABULATION OF AZIMUTH PATTERN

Azimuth Pattern Drawing # **TLS-S170**

Angle	Field	ERP (kW)	ERP (dBk)
0	0.593	13.0	11.14
10	0.629	14.6	11.66
20	0.673	16.8	12.24
30	0.728	19.6	12.92
40	0.789	23.0	13.62
50	0.844	26.4	14.21
60	0.893	29.5	14.70
70	0.934	32.3	15.09
80	0.964	34.4	15.36
90	0.984	35.8	15.54
100	0.998	36.9	15.66
110	0.998	36.9	15.66
120	0.990	36.3	15.59
130	0.970	34.8	15.42
140	0.939	32.6	15.14
150	0.899	29.9	14.76
160	0.852	26.9	14.29
170	0.799	23.6	13.73
180	0.742	20.4	13.09
190	0.687	17.5	12.42
200	0.637	15.0	11.76
210	0.597	13.2	11.20
220	0.574	12.2	10.86
230	0.568	11.9	10.77
240	0.577	12.3	10.91
250	0.596	13.1	11.19
260	0.618	14.1	11.50
270	0.634	14.9	11.72
280	0.644	15.3	11.86
290	0.644	15.3	11.86
300	0.637	15.0	11.76
310	0.623	14.4	11.57
320	0.602	13.4	11.27
330	0.584	12.6	11.01
340	0.574	12.2	10.86
350	0.571	12.1	10.81

Maxima

Angle	Field	ERP (kW)	ERP (dBk)
105	1.000	37.0	15.68
285	0.645	15.4	11.87

Minima

Angle	Field	ERP (kW)	ERP (dBk)
229	0.568	11.9	10.77
347	0.570	12.0	10.80

Remarks:

EXHIBIT B-3

ANTENNA RELATIVE FIELD VALUES

PROPOSED KTBC-DT STA
CHANNEL 7 – AUSTIN, TEXAS

SMITH AND FISHER

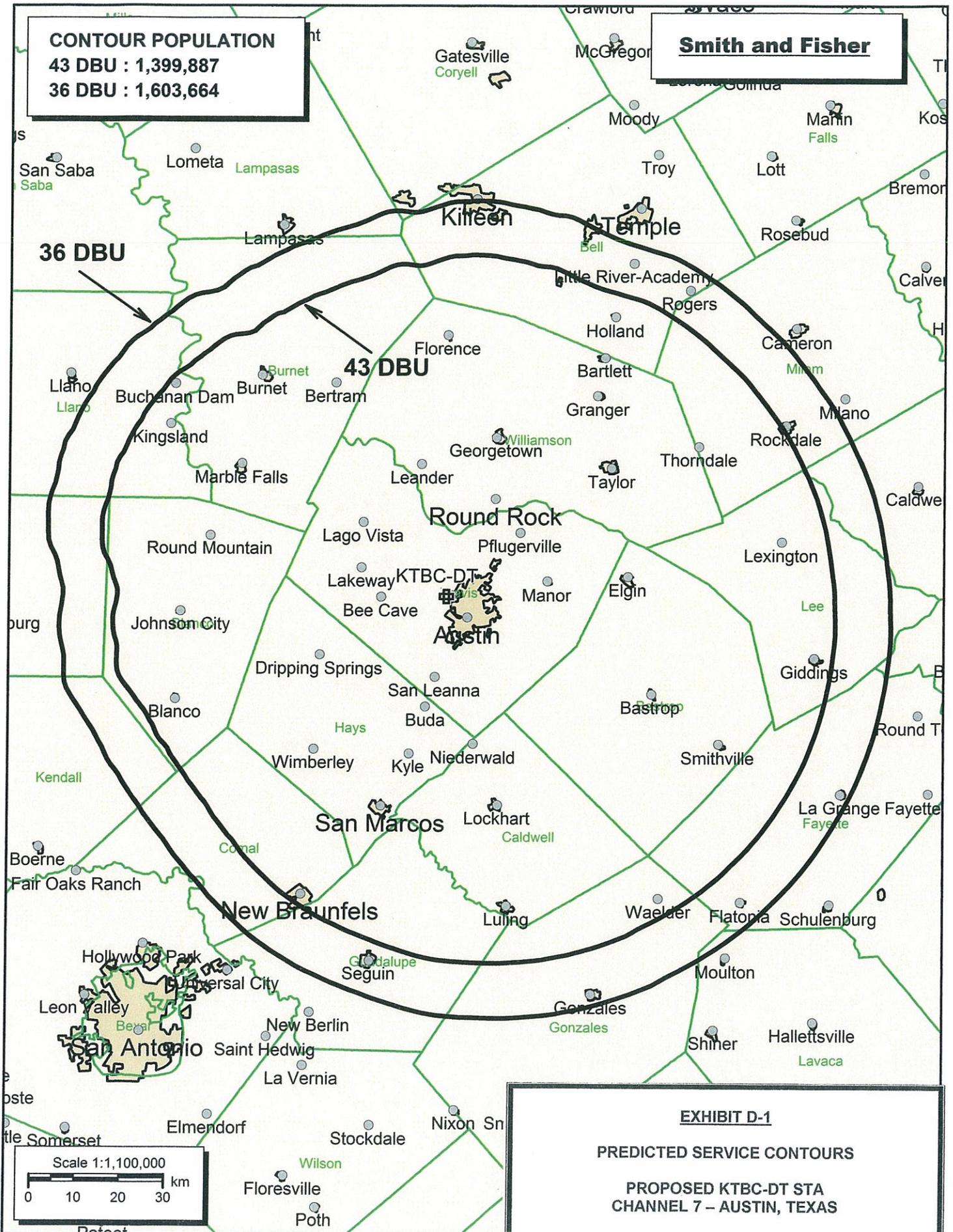
PROPOSED OPERATING PARAMETERS

PROPOSED KTBC-DT STA
CHANNEL 7 – AUSTIN, TEXAS

Transmitter Power Output:	6.8 kw
Transmission Line Efficiency:	80.2%
Antenna Power Gain – Main Lobe:	6.8 kw
Effective Radiated Power – Main Lobe:	37.0 kw
Transmitter Make and Model:	Type-accepted
Transmission Line Make and Model:	Dielectric Flexline
Size and Type:	3-1/8" air dielectric
Length:	585 feet
Antenna:	
Make and Model:	Dielectric TLS-V4
Orientation	105 degrees true
Beam Tilt	none
Radiation Center Above Ground:	145 meters
Radiation Center Above Mean Sea Level:	425 meters

CONTOUR POPULATION
43 DBU : 1,399,887
36 DBU : 1,603,664

Smith and Fisher



36 DBU

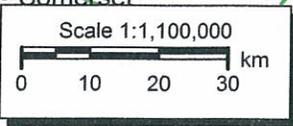
43 DBU

EXHIBIT D-1

PREDICTED SERVICE CONTOURS

**PROPOSED KTBC-DT STA
CHANNEL 7 - AUSTIN, TEXAS**

SMITH AND FISHER



INTERFERENCE STUDY

PROPOSED KTBC-DT STA
CHANNEL 7 – AUSTIN, TEXAS

The instant application specifies an ERP of 37 kw (directional) at 209 meters above average terrain, which we have determined to be allowable under the FCC's recently approved interference standards with respect to various post-transition digital television facilities as they will exist on or before February 17, 2009, the date by which all stations must operate with the parameters recently adopted in the Commission's DTV Table of Allotments.

In evaluating the interference effect of this proposal, we have relied upon the FCC's software program, which utilizes methodology contained in the Commission's *OET Bulletin No. 69* (Longley-Rice-based methodology). In conducting our studies, we employed a cell size of 2.0 kilometers and an increment spacing of 1.0 kilometer along each radial. In addition, we utilized the 2000 U. S. Census. A summary of the results of that analysis is provided in Exhibit E-2.

As shown, the proposed KTBC-DT facility would not contribute more than 0.5% interference (beyond that which is caused by the allotted KTBC-DT facility) to the service population of any potentially affected post-transition DTV station.

A Longley-Rice interference study also reveals that the proposed KTBC-DT facility does not cause significant (0.5%) interference within the protected service contour of any potentially affected Class A low power television station.

Therefore, this proposal meets the FCC's *de minimis* interference standards for DTV operations.

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 12-05-2008 Time: 11:29:43

Record Selected for Analysis

KTBC BXPCDT -20080429AAR AUSTIN TX US
Channel 07 ERP 37.00 kW HAAT 209.0 m RCMSL 425 m
Latitude 30-18-35 Longitude 97-47-34
Status APP Zone 3 Border M
Dir Antenna Make CDB Model 00000000075025 Beam tilt Y Ref Azimuth 0.0
Last update 00000000 Cutoff date 00000000 Docket
Comments
Applicant KTBC LICENSE, INC.

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility meets maximum height/power limits

Table with 4 columns: Azimuth (Deg), ERP (kW), HAAT (m), 36.0 dBu F(50,90) (km). Rows show values for azimuths from 0.0 to 315.0.

Start of Interference Analysis

Proposed Station
Channel Call City/State ARN
07 KTBC AUSTIN TX BXPCDT 20080429AAR

Stations Potentially Affected by Proposed Station

Chan Call City/State Dist(km) Status Application Ref. No.
07 KLTV-DT TYLER TX 347.8 LIC APPENDIX B
07 KLTV-DT TYLER TX 347.8 APP BMPCDT -20080619AAU

Analysis of Interference to Affected Station 1

Analysis of current record

Channel Call City/State Application Ref. No.
 07 KLTV-DT TYLER TX APPENDIX B

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
07	KOCO-DT	OKLAHOMA CITY OK	395.7	CP	BPCDT -20010904ABG
07	KETS-DT	LITTLE ROCK AR	349.5	LIC	APPENDIX B
07	KPLC	LAKE CHARLES LA	317.8	LIC	APPENDIX B
08	WFAA-DT	DALLAS TX	164.8	LIC	APPENDIX B
07	KTBC	AUSTIN TX	347.8	LIC	APPENDIX B
07	KTBC	AUSTIN TX	347.8	APP	BXPCDT -20080429AAR

Total scenarios = 1

Result key: 1
 Scenario 1 Affected station 1
 Before Analysis

Results for: 7A TX TYLER APPENDIX B LIC
 HAAT 302.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	778576	26567.6
not affected by terrain losses	765399	25779.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3390	253.4
lost to ATV IX only	3390	253.4
lost to all IX	3390	253.4

Potential Interferring Stations Included in above Scenario 1

- 7A AR LITTLE ROCK APPENDIX B LIC
- 7A LA LAKE CHARLES APPENDIX B LIC
- 8A TX DALLAS APPENDIX B LIC
- 7A TX AUSTIN APPENDIX B LIC

After Analysis

Results for: 7A TX TYLER BMPCDT 20071218WCB LIC
 HAAT 302.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	778576	26567.6
not affected by terrain losses	765399	25779.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3284	249.4
lost to ATV IX only	3284	249.4
lost to all IX	3284	249.4

Potential Interferring Stations Included in above Scenario 1

- 7A AR LITTLE ROCK APPENDIX B LIC
- 7A LA LAKE CHARLES APPENDIX B LIC
- 8A TX DALLAS APPENDIX B LIC
- 7A TX AUSTIN BXPCDT 20080429AAR APP

Interference Increase: -0.0138 %

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
07	KLTV-DT	TYLER TX	BMPCDT	-20080619AAU

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KOCO-DT	OKLAHOMA CITY OK	395.7	CP	BPCDT	-20010904ABG
07	KETS-DT	LITTLE ROCK AR	349.5	LIC	APPENDIX B	
07	KPLC	LAKE CHARLES LA	317.8	LIC	APPENDIX B	
08	WFAA-DT	DALLAS TX	164.8	LIC	APPENDIX B	
07	KTBC	AUSTIN TX	347.8	LIC	APPENDIX B	
07	KTBC	AUSTIN TX	347.8	APP	BXPCDT	-20080429AAR

Total scenarios = 1

Result key: 2
 Scenario 1 Affected station 2
 Before Analysis

Results for: 7A TX TYLER BMPCDT 20080619AAU APP
 HAAT 300.0 m, ATV ERP 66.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	967863	36516.5
not affected by terrain losses	947890	35382.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	24395	715.9
lost to ATV IX only	24395	715.9
lost to all IX	24395	715.9

Potential Interfering Stations Included in above Scenario 1

7A AR LITTLE ROCK	APPENDIX B LIC
7A LA LAKE CHARLES	APPENDIX B LIC
8A TX DALLAS	APPENDIX B LIC
7A TX AUSTIN	APPENDIX B LIC

After Analysis

Results for: 7A TX TYLER BMPCDT 20080619AAU APP
 HAAT 300.0 m, ATV ERP 66.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	967863	36516.5
not affected by terrain losses	947890	35382.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	25652	740.1
lost to ATV IX only	25652	740.1
lost to all IX	25652	740.1

Potential Interfering Stations Included in above Scenario 1

7A AR LITTLE ROCK	APPENDIX B LIC
7A LA LAKE CHARLES	APPENDIX B LIC
8A TX DALLAS	APPENDIX B LIC
7A TX AUSTIN	BXPCDT 20080429AAR APP

Interference Increase: 0.133 %

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
07	KTBC	AUSTIN TX	BXPCDT	-20080429AAR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KLTV-DT	TYLER TX	347.8	LIC	APPENDIX B	
07	KLTV-DT	TYLER TX	347.8	APP	BMPCDT	-20080619AAU

Total scenarios = 2

Result key: 3
Scenario 1 Affected station 3
Before Analysis

Results for: 7A TX AUSTIN BXPCDT 20080429AAR APP
HAAT 209.0 m, ATV ERP 37.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1607204	26695.3
not affected by terrain losses	1554061	25126.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	746	20.1
lost to ATV IX only	746	20.1
lost to all IX	746	20.1

Potential Interfering Stations Included in above Scenario 1

7A TX TYLER APPENDIX B LIC

Table II 1998 Replication Information NTSC Population: 1798356

Coverage Achieved: 86.37 %

Result key: 4
Scenario 2 Affected station 3
Before Analysis

Results for: 7A TX AUSTIN BXPCDT 20080429AAR APP
HAAT 209.0 m, ATV ERP 37.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1607204	26695.3
not affected by terrain losses	1554061	25126.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	16169	200.7
lost to ATV IX only	16169	200.7
lost to all IX	16169	200.7

Potential Interfering Stations Included in above Scenario 2

7A TX TYLER

BMPCDT 20080619AAU APP

Table II 1998 Replication Information NTSC Population: 1798356

Coverage Achieved: 85.52 %

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POWER DENSITY CALCULATION

PROPOSED KTBC-DT STA
CHANNEL 7 – AUSTIN, 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 Austin facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 37.0 kw, an antenna radiation center 145 meters above ground, and the elevation pattern of the Dielectric antenna, maximum power density two meters above ground of 0.0011 mw/cm^2 is calculated to occur 76 meters east-southeast of the base of the tower. Since this is only 0.5 percent of the 0.2 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 and occupational ground-level 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.