

EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of KSAZ LICENSE, INC., licensee of Television Translator K26DH, Channel 26, Flagstaff, Arizona, in support of this Application for Construction Permit to specify operation on Channel 48 from its licensed transmitter site. This proposal is being submitted in response to the FCC's assignment of digital television (DTV) Channel 27 to KBPX(TV), Flagstaff, some 20 miles from the K26DH site, and DTV Channel 25 to KUSK(TV), Prescott, 47 miles distant. We have determined that the operation of these DTV facilities will receive predicted interference from and cause interference to K26DH, thus placing this translator in a displacement situation.

Since no change in the authorized site or antenna height of K26DH is proposed, no site map or tower sketch is provided herein. It is intended to mount a standard Andrew directional antenna on the existing tower. Exhibit B is a tabulation of terrain and contour data for the proposed facility. These data were used in the preparation of Exhibit C, a map upon which the predicted service contours are plotted.

No change in the overall height or location of the existing structure is proposed,; therefore, the FAA has not been notified of this application.

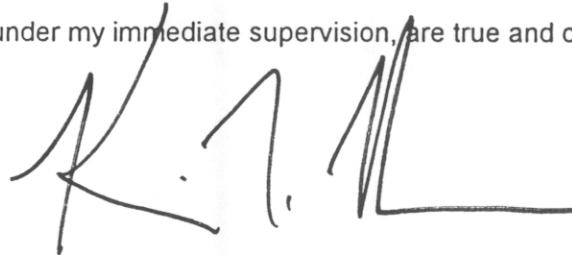
The FCC considers the possible biological effects of RF transmissions in its environmental determinations, so we have studied the matter with respect to this Flagstaff facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 1.44 kw, an effective antenna height of 51 meters above ground,

EXHIBIT A

and the vertical pattern of the Andrew antenna, maximum power density two meters above ground of  $0.00061 \text{ mw/cm}^2$  is calculated to occur 20 meters south-southwest of the tower base. Since this is but 0.1 percent of the  $0.45 \text{ mw/cm}^2$  reference for uncontrolled environments (areas with public access) for a facility operating on Channel 48 (674-680 MHz), this facility may be excluded from consideration with respect to public exposure to nonionizing electromagnetic radiation.

Further, the station owner will take whatever precautions are necessary, such as reducing power or leaving the air temporarily, to ensure that workers operating near the antenna are not exposed to excessive nonionizing radiation.

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 black ink, appearing to read 'K. T. Fisher', with a horizontal line extending to the right.

KEVIN T. FISHER

May 10, 1998

EXHIBIT B

## TERRAIN AND CONTOUR DATA

KSAZ LICENSE, INC.

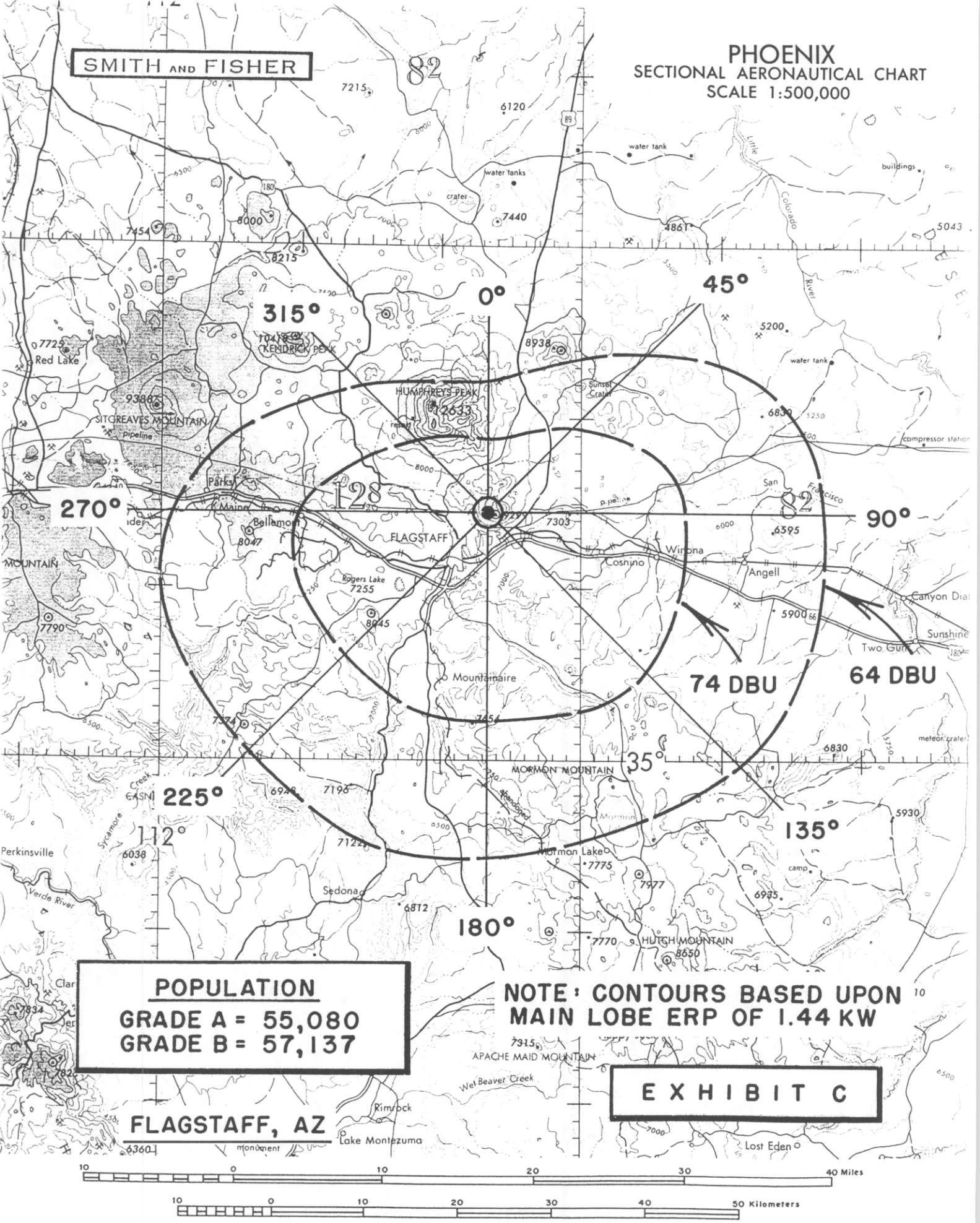
PROPOSED TELEVISION TRANSLATOR K26DH  
CHANNEL 48 - FLAGSTAFF, ARIZONA

Bearing (degrees)	HAAT (meters) (feet)	ERP (kW) (dBk)	Depression angle (degrees)	80 dBu ( 10 mV/m) contour	74 dBu (5.01 mV/m) contour	64 dBu (1.58 mV/m) contour
.0	235.9 774.0	.131 -8.82	.425	4.8 km 3.0 mi	7.4 km 4.6 mi	13.2 km 8.2 mi
45.0	699.1 2293.6	.176 -7.55	.732	7.4 km 4.6 mi	12.2 km 7.6 mi	24.3 km 15.1 mi
90.0	785.8 2578.1	.827 -.82	.776	13.6 km 8.5 mi	21.1 km 13.1 mi	35.6 km 22.1 mi
135.0	760.0 2493.4	1.421 1.527	.764	16.1 km 10.0 mi	23.9 km 14.9 mi	38.9 km 24.2 mi
180.0	716.0 2349.1	1.302 1.147	.741	15.2 km 9.5 mi	22.8 km 14.2 mi	37.5 km 23.3 mi
* 200.0	698.5 2291.7	1.440 1.584	.732	15.6 km 9.7 mi	23.1 km 14.4 mi	37.9 km 23.6 mi
225.0	650.2 2133.2	1.267 1.028	.706	14.5 km 9.0 mi	21.8 km 13.5 mi	36.1 km 22.5 mi
270.0	541.0 1774.9	1.431 1.558	.644	14.1 km 8.8 mi	21.0 km 13.1 mi	34.8 km 21.6 mi
315.0	179.4 588.6	.744 -1.28	.371	7.2 km 4.5 mi	10.1 km 6.3 mi	18.6 km 11.6 mi
HAAT:	570.9 1873.1					

Note: Radial(s) denoted by "\*" not included in HAAT calculation.

SMITH AND FISHER

PHOENIX  
SECTIONAL AERONAUTICAL CHART  
SCALE 1:500,000



**POPULATION**  
GRADE A = 55,080  
GRADE B = 57,137

NOTE: CONTOURS BASED UPON  
MAIN LOBE ERP OF 1.44 KW

EXHIBIT C

FLAGSTAFF, AZ

