

EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of FOX TELEVISION STATIONS, INC., licensee of KTXH-DT, Channel 19 in Houston, Texas, in support of its Application for Construction Permit to operate a post-transition auxiliary facility on Channel 26, its allotted channel.

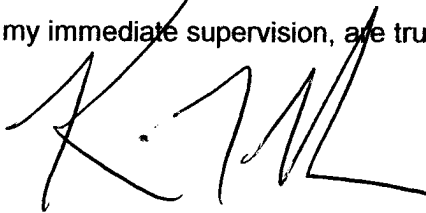
It is proposed to mount a Dielectric directional antenna at the 525-meter level of the existing 600-meter tower on which the present KTXH-DT antenna is mounted. Exhibit B provides antenna azimuth and elevation pattern data, and proposed operating parameters are tabulated in Exhibit C. Exhibit D is a map upon which the predicted service contours of post-transition KTXH-DT and the proposed auxiliary facility are plotted. As shown, the auxiliary's 41 dBu contour is completely contained within that authorized to KTXH-DT. As a result, and since this proposal is for an auxiliary facility, an interference study is not provided. A power density calculation appears in Exhibit E.

It is not expected that the proposed facility would cause objectionable interference to any other broadcast or non-broadcast station authorized to operate at or near the KTXH-DT site. However, if such should occur, the owner of this station recognizes its obligation to take whatever corrective actions are necessary.

Since no change in overall height or location of the existing tower is proposed herein, the FAA has not been notified of this application. In addition, the FCC issued Antenna Structure Registration Number 1028555 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.



KEVIN T. FISHER

March 14, 2008



Proposal Number	C-02230	Revision:	1
Date	11-Jan-08		
Call Letters	KTXH-DT	Channel	19
Location	Houston, TX		
Customer			
Antenna Type	TFU-24WB-R		

ELEVATION PATTERN

RMS Gain at Main Lobe	22.00 (13.42 dB)	Beam Tilt	0.75 deg
RMS Gain at Horizontal	12.00 (10.79 dB)	Frequency	503.00 MHz
Calculated / Measured	Calculated	Drawing #	24H220075-90

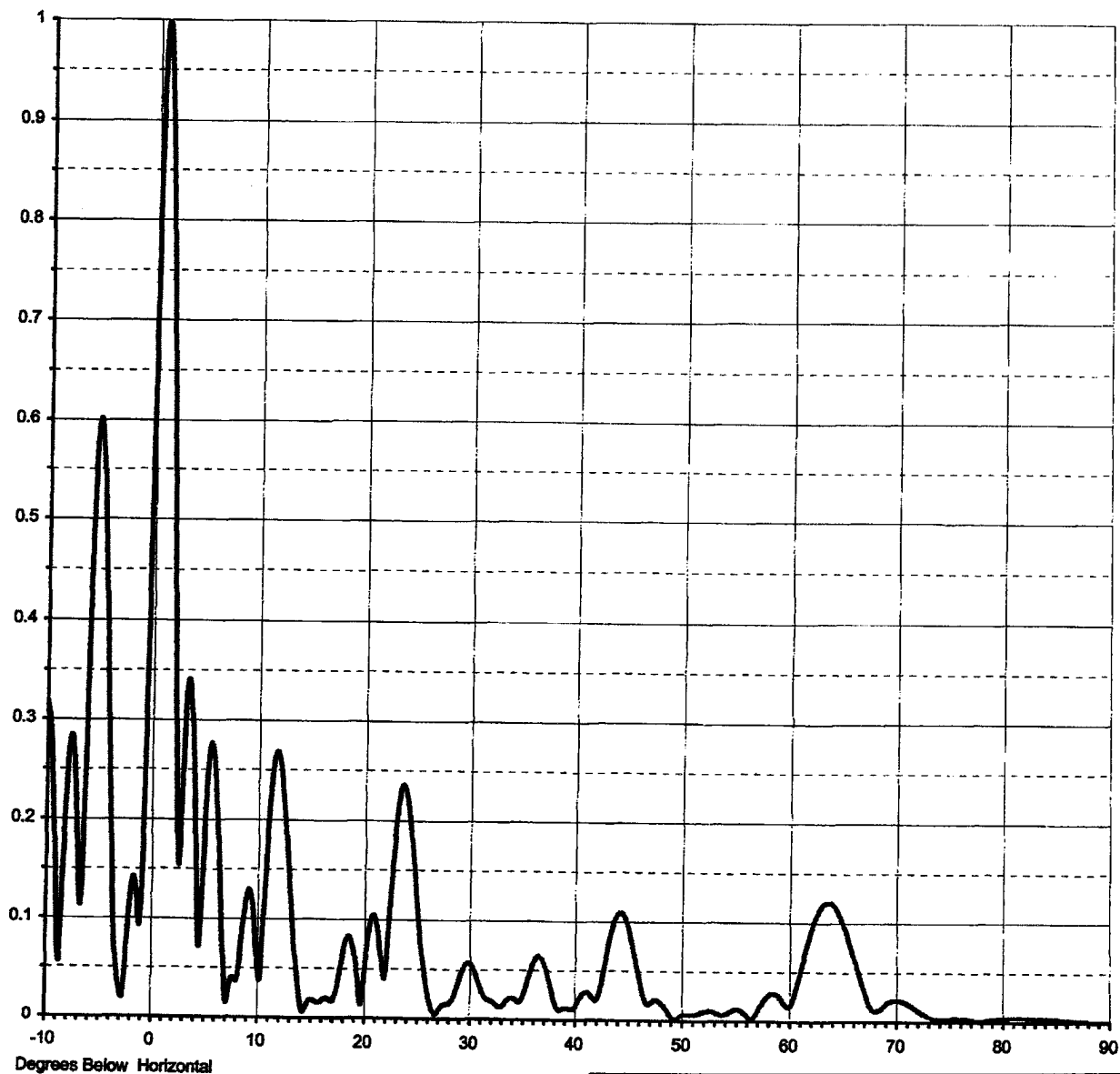


EXHIBIT B-1

ANTENNA ELEVATION PATTERN

PROPOSED KTXH-DT AUXILIARY
CHANNEL 19 - HOUSTON, TEXAS

SMITH AND FISHER

Proposal Number

C-02230Revision: **1**

Date

11-Jan-08

Call Letters

KTXH-DTChannel **19**

Location

Houston, TX

Customer

Antenna Type

TFU-24WB-R

AZIMUTH PATTERN

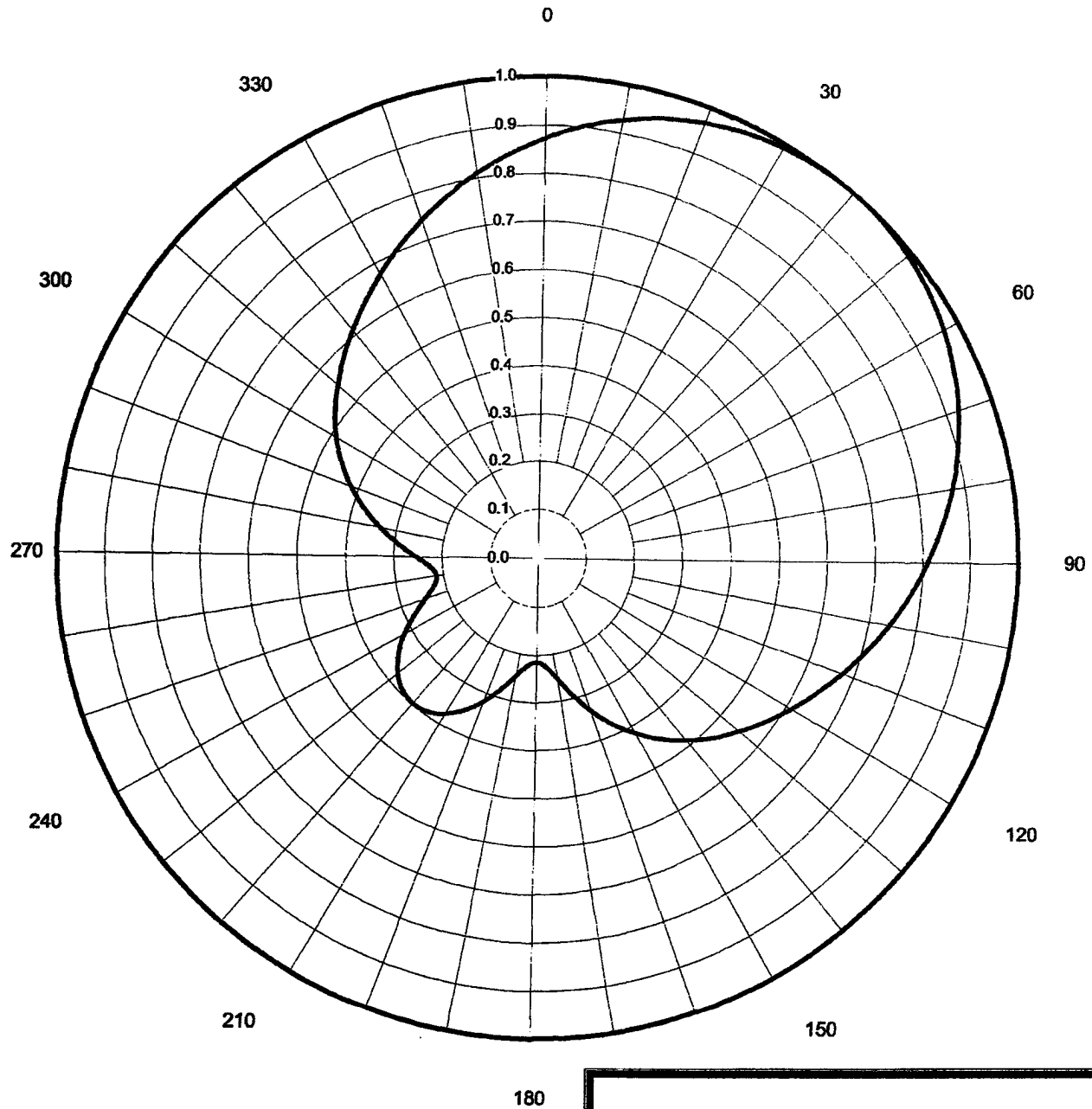
Gain **2.50**
Calculated / Measured**(3.98 dB)**
CalculatedFrequency
Drawing #**503.00 MHz**
TFU-C250

EXHIBIT B-2

ANTENNA AZIMUTH PATTERN

PROPOSED KTXH-DT AUXILIARY
CHANNEL 19 – HOUSTON, TEXAS

SMITH AND FISHER

ANTENNA AZIMUTH PATTERN DATA

PROPOSED KTXH-DT AUXILIARY
CHANNEL 19 – HOUSTON, TEXAS

<u>Azimuth</u> <u>(° T)</u>	<u>Relative</u> <u>Field</u>	<u>ERP</u> <u>(dbk)</u>	<u>Azimuth</u> <u>(° T)</u>	<u>Relative</u> <u>Field</u>	<u>ERP</u> <u>(dbk)</u>
0	0.874	25.6	180	0.214	13.4
10	0.927	26.1	190	0.248	14.7
20	0.967	26.5	200	0.318	16.8
30	0.992	26.7	210	0.376	18.3
40	1.000	26.8	220	0.398	18.8
50	0.992	26.7	230	0.376	18.3
60	0.967	26.5	240	0.318	16.8
70	0.927	26.1	250	0.248	14.7
80	0.874	25.6	260	0.214	13.4
90	0.811	25.0	270	0.254	14.9
100	0.743	24.2	280	0.334	17.2
110	0.675	23.4	290	0.417	19.2
120	0.612	22.5	300	0.488	20.5
130	0.551	21.6	310	0.551	21.6
140	0.488	20.5	320	0.612	22.5
150	0.416	19.2	330	0.675	23.4
160	0.334	17.2	340	0.743	24.2
170	0.254	14.9	350	0.811	25.0

EXHIBIT C

PROPOSED OPERATING PARAMETERS

PROPOSED KTXH-DT AUXILIARY
CHANNEL 19 – HOUSTON, TEXAS

Transmitter Power Output:	12.2 kw
Transmission Line Efficiency:	70.7%
Antenna Power Gain – Main Lobe:	55.0 kw
Effective Radiated Power – Main Lobe:	475 kw

Transmitter Make and Model:	Type-accepted
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Transmission Line Make and Model:	Dielectric EIA/DCA
Size and Type:	8-3/16" rigid
Length:	1850 feet

Antenna:

Make and Model:	Dielectric TFU-24WB-R
Orientation	40° T
Beam Tilt	0.75 degrees
Radiation Center Above Ground:	525 meters
Radiation Center Above Mean Sea Level:	549 meters

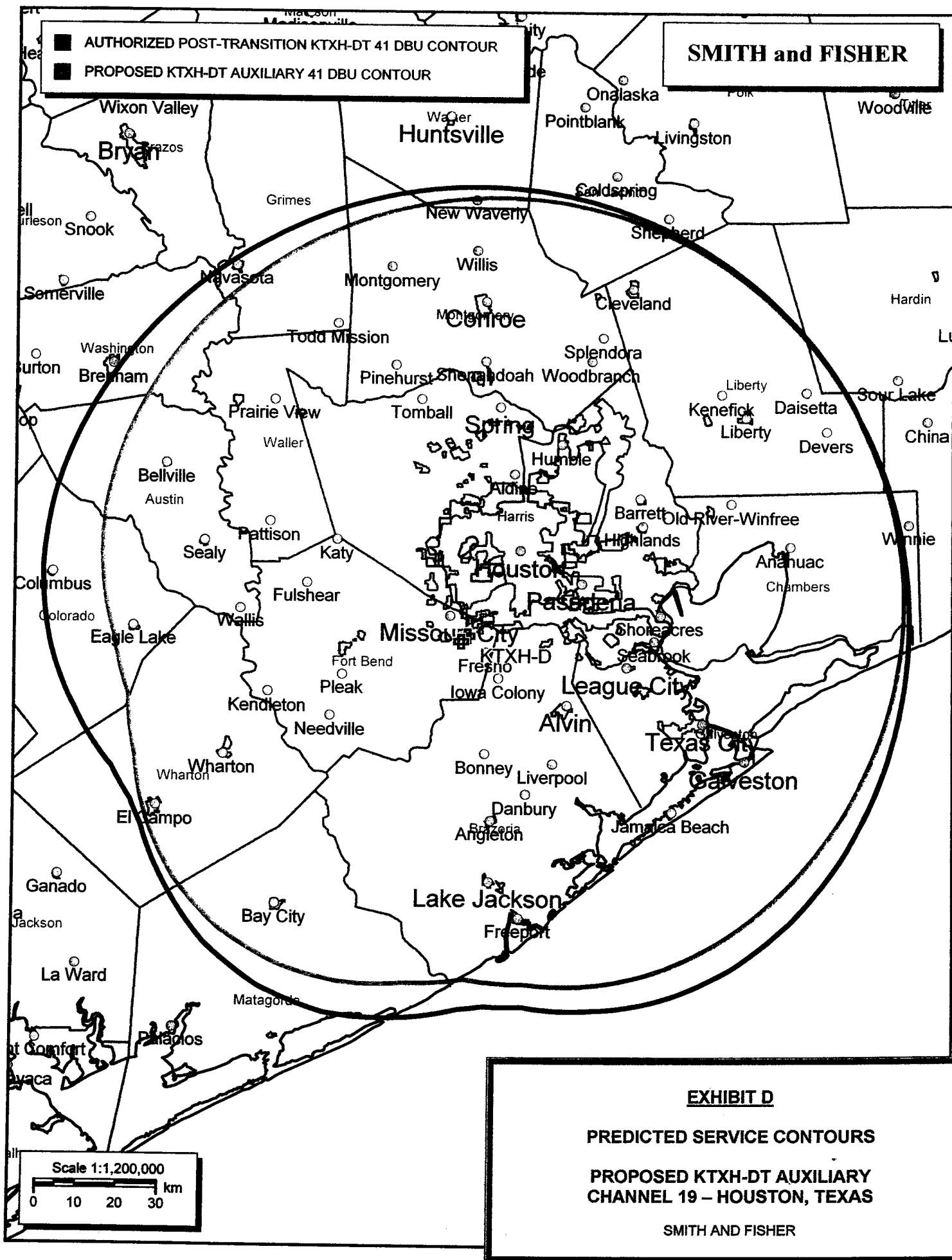


EXHIBIT E

POWER DENSITY CALCULATION

PROPOSED KTXH-DT AUXILIARY
CHANNEL 19 – HOUSTON, 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 Houston facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 475 kw, an antenna radiation center 525 meters above ground, and the elevation pattern of the Dielectric antenna, maximum power density two meters above ground of 0.00068 mw/cm^2 is calculated to occur 261 meters northeast of the base of the tower. Since this is only 0.2 percent of the 0.33 mw/cm^2 reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 19 (500-506 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.