

EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of TRINITY CHRISTIAN CENTER OF SANTA ANA, INC., licensee of full-power digital television station WMCF-DT, Channel 46 in Montgomery, Alabama, in support of its request for Special Temporary Authority to operate at reduced power. It is proposed herein to decrease the effective radiated power of the station to 425 kW from 851 kW, due to equipment failure. No change in transmitter site location, antenna radiation pattern or antenna height is proposed herein.

In Exhibit B, we have plotted the predicted service contours for the power-reduced WMCF-DT facility. As shown, the community of Montgomery is completely encompassed by the proposed STA 48 dBu city-grade service contour. Exhibit C is a map on which we have plotted the noise-limited service contours of licensed WMCF-DT and that of the proposed STA facility. As shown, the contour of the STA facility is completely contained within that of the licensed WMCF-DT facility. As a result and for that reason, no interference study is included herein.

Azimuth and elevation pattern information for the proposed antenna are provided in Exhibit D. A power density calculation appears as Exhibit E.

Since no change in the overall height or location of the existing WMCF-DT tower is proposed herein, the Federal Aviation Administration has not been notified of this application. In addition, the Federal Communications Commission issued Antenna Structure Registration Number 1042483 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', with a stylized, elongated final letter.

KEVIN T. FISHER

June 4, 2018

CONTOUR POPULATION
2015 U.S. CENSUS DATA
48 DBU : 449,896 (205,059 HH)
N/L CONTOUR : 530,993 (272,973 HH)

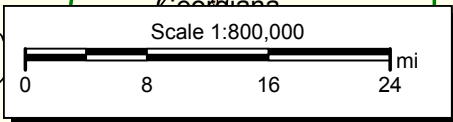
Smith and Fisher, LLC

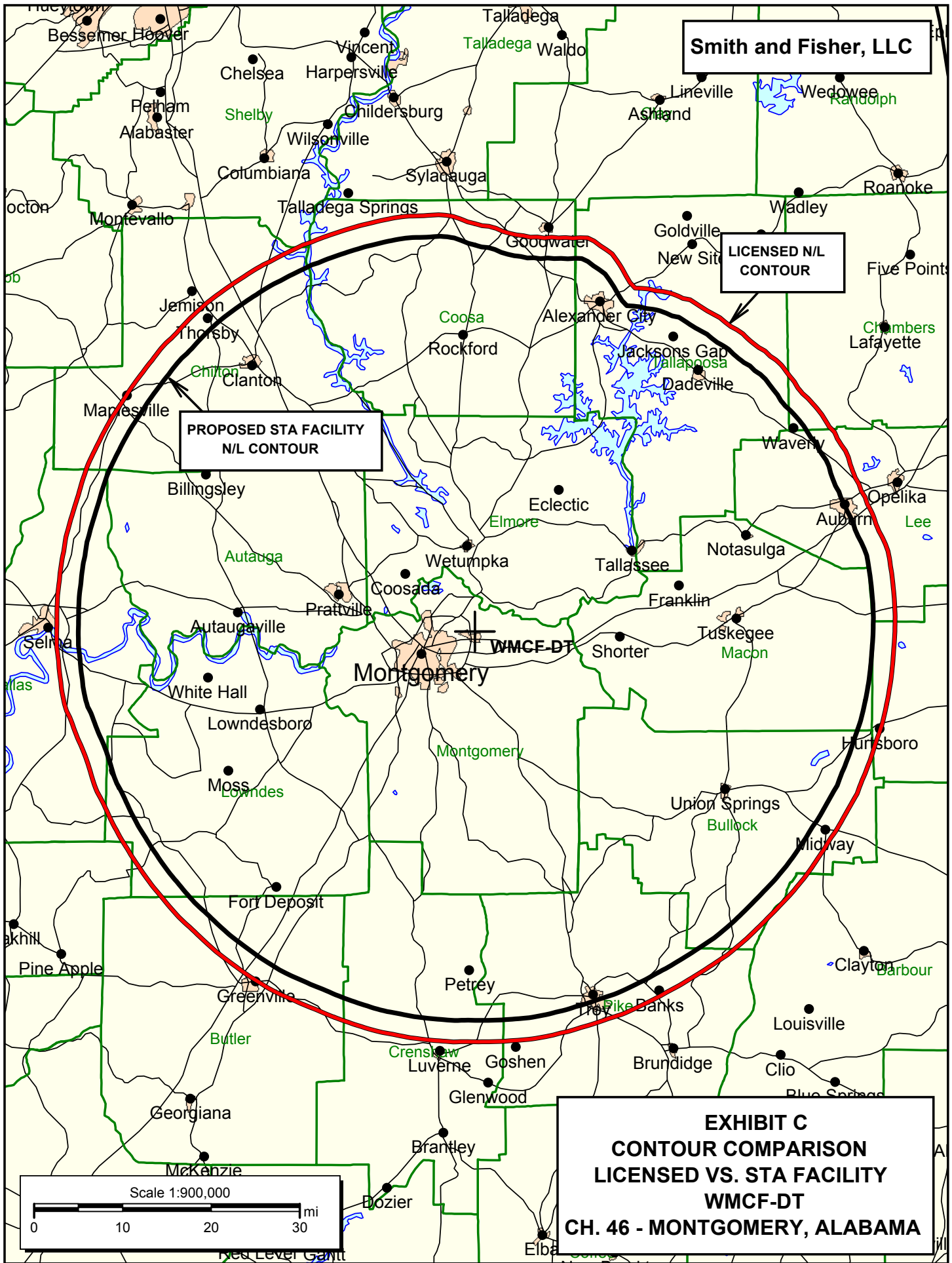
PROPOSED STA FACILITY
N/L CONTOUR

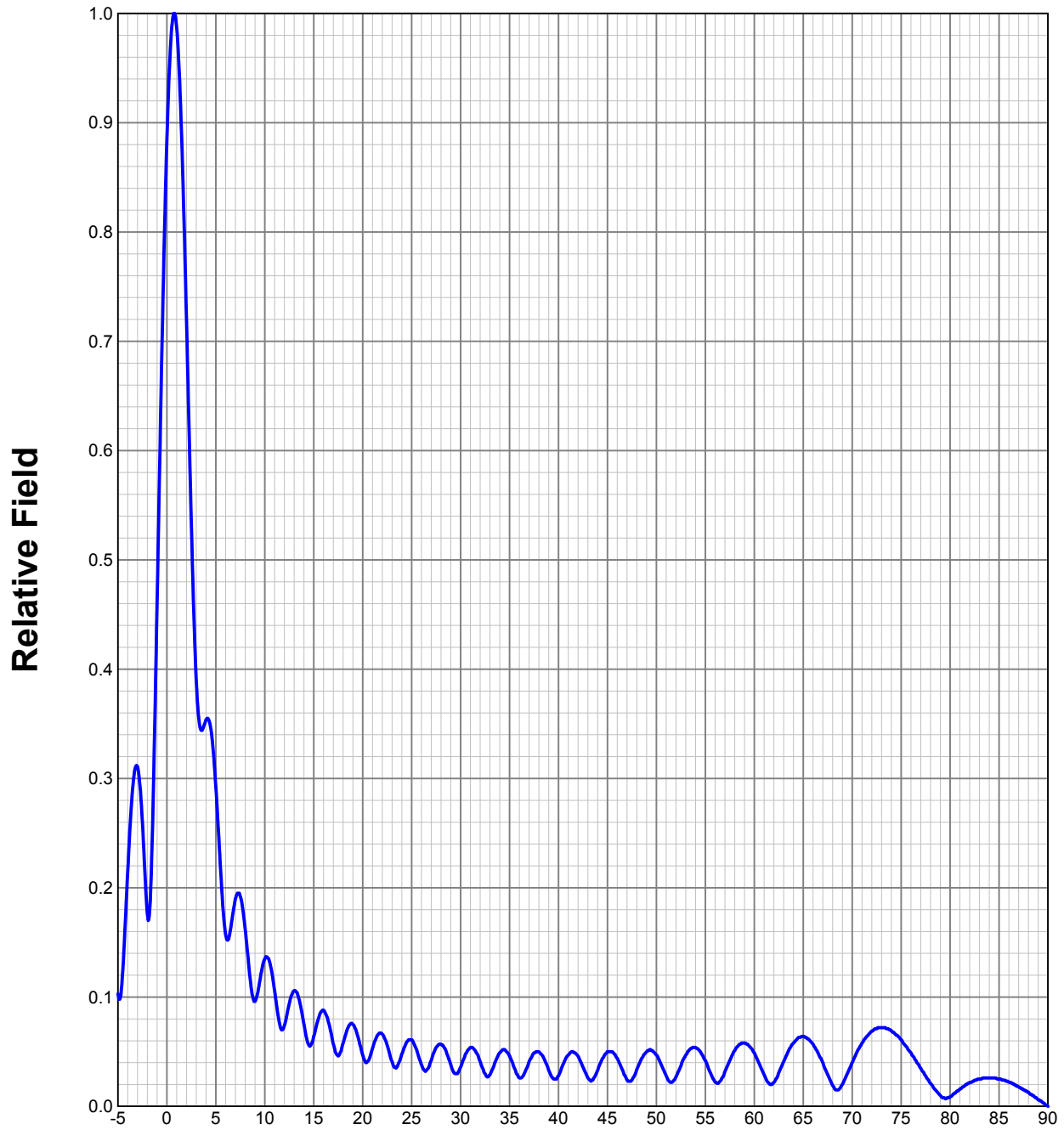
PROPOSED STA FACILITY
48 DBU CONTOUR

WMCF-DT

EXHIBIT B
PREDICTED SERVICE CONTOURS
WMCF-DT STA FACILITY
CH. 46 - MONTGOMERY, ALABAMA





ELEVATION PATTERN**Type:****ATW20H3H****Channel:****46****Directivity:****Numeric****dBd****Location:****Main Lobe:****20.00****13.01****Beam Tilt:****0.75****Horizontal:****15.66****11.95****Polarization:****Horizontal***Preliminary, subject to final design and review.*

TABULATED DATA FOR ELEVATION PATTERN

Type: ATW20H3H
Polarization: Horizontal

ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
-5.00	0.103	-19.74	6.75	0.177	-15.04	27.00	0.042	-27.54	50.50	0.038	-28.40	74.00	0.069	-23.22
-4.75	0.100	-20.00	7.00	0.190	-14.42	27.50	0.054	-25.35	51.00	0.028	-31.06	74.50	0.065	-23.74
-4.50	0.125	-18.06	7.25	0.195	-14.20	28.00	0.057	-24.88	51.50	0.022	-33.15	75.00	0.061	-24.29
-4.25	0.168	-15.47	7.50	0.192	-14.33	28.50	0.051	-25.85	52.00	0.027	-31.37	75.50	0.055	-25.19
-4.00	0.215	-13.35	7.75	0.180	-14.87	29.00	0.038	-28.40	52.50	0.037	-28.64	76.00	0.049	-26.20
-3.75	0.258	-11.77	8.00	0.162	-15.81	29.50	0.030	-30.46	53.00	0.047	-26.56	76.50	0.042	-27.54
-3.50	0.291	-10.72	8.25	0.140	-17.11	30.00	0.036	-28.87	53.50	0.053	-25.51	77.00	0.035	-29.12
-3.25	0.309	-10.20	8.50	0.117	-18.64	30.50	0.048	-26.38	54.00	0.054	-25.35	77.50	0.028	-31.06
-3.00	0.311	-10.14	8.75	0.101	-19.91	31.00	0.054	-25.35	54.50	0.050	-26.02	78.00	0.021	-33.56
-2.75	0.293	-10.66	9.00	0.096	-20.35	31.50	0.051	-25.85	55.00	0.042	-27.54	78.50	0.015	-36.48
-2.50	0.260	-11.70	9.25	0.103	-19.74	32.00	0.041	-27.74	55.50	0.031	-30.17	79.00	0.010	-40.00
-2.25	0.214	-13.37	9.50	0.115	-18.79	32.50	0.030	-30.46	56.00	0.022	-33.15	79.50	0.007	-43.10
-2.00	0.176	-15.09	9.75	0.128	-17.89	33.00	0.029	-30.75	56.50	0.023	-32.77	80.00	0.009	-40.92
-1.75	0.181	-14.85	10.00	0.135	-17.39	33.50	0.040	-27.96	57.00	0.032	-29.90	80.50	0.012	-38.42
-1.50	0.244	-12.25	10.50	0.132	-17.59	34.00	0.049	-26.20	57.50	0.042	-27.54	81.00	0.016	-35.92
-1.25	0.346	-9.23	11.00	0.106	-19.49	34.50	0.052	-25.68	58.00	0.051	-25.85	81.50	0.019	-34.42
-1.00	0.462	-6.71	11.50	0.076	-22.38	35.00	0.046	-26.74	58.50	0.057	-24.88	82.00	0.022	-33.15
-0.75	0.582	-4.71	12.00	0.074	-22.62	35.50	0.035	-29.12	59.00	0.058	-24.73	82.50	0.024	-32.40
-0.50	0.697	-3.14	12.50	0.094	-20.54	36.00	0.026	-31.70	59.50	0.055	-25.19	83.00	0.025	-32.04
-0.25	0.799	-1.95	13.00	0.106	-19.49	36.50	0.030	-30.46	60.00	0.049	-26.20	83.50	0.026	-31.70
0.00	0.885	-1.06	13.50	0.098	-20.18	37.00	0.041	-27.74	60.50	0.039	-28.18	84.00	0.026	-31.70
0.25	0.948	-0.46	14.00	0.075	-22.50	37.50	0.049	-26.20	61.00	0.029	-30.75	84.50	0.026	-31.70
0.50	0.988	-0.10	14.50	0.056	-25.04	38.00	0.050	-26.02	61.50	0.021	-33.56	85.00	0.025	-32.04
0.75	1.000	0.00	15.00	0.064	-23.88	38.50	0.044	-27.13	62.00	0.022	-33.15	85.50	0.024	-32.40
1.00	0.987	-0.11	15.50	0.081	-21.83	39.00	0.033	-29.63	62.50	0.031	-30.17	86.00	0.022	-33.15
1.25	0.948	-0.46	16.00	0.088	-21.11	39.50	0.025	-32.04	63.00	0.041	-27.74	86.50	0.020	-33.98
1.50	0.889	-1.02	16.50	0.077	-22.27	40.00	0.028	-31.06	63.50	0.051	-25.85	87.00	0.018	-34.89
1.75	0.810	-1.83	17.00	0.057	-24.88	40.50	0.039	-28.18	64.00	0.058	-24.73	87.50	0.015	-36.48
2.00	0.720	-2.85	17.50	0.046	-26.74	41.00	0.047	-26.56	64.50	0.063	-24.01	88.00	0.013	-37.72
2.25	0.625	-4.09	18.00	0.058	-24.73	41.50	0.050	-26.02	65.00	0.064	-23.88	88.50	0.010	-40.00
2.50	0.532	-5.48	18.50	0.072	-22.85	42.00	0.046	-26.74	65.50	0.062	-24.15	89.00	0.006	-44.44
2.75	0.451	-6.93	19.00	0.075	-22.50	42.50	0.036	-28.87	66.00	0.057	-24.88	89.50	0.003	-50.46
3.00	0.389	-8.20	19.50	0.064	-23.88	43.00	0.026	-31.70	66.50	0.049	-26.20	90.00	0.000	-40.00
3.25	0.355	-8.98	20.00	0.047	-26.56	43.50	0.024	-32.40	67.00	0.040	-27.96			
3.50	0.344	-9.27	20.50	0.041	-27.74	44.00	0.033	-29.63	67.50	0.029	-30.75			
3.75	0.347	-9.18	21.00	0.053	-25.51	44.50	0.044	-27.13	68.00	0.019	-34.42			
4.00	0.354	-9.02	21.50	0.065	-23.74	45.00	0.050	-26.02	68.50	0.015	-36.48			
4.25	0.354	-9.02	22.00	0.066	-23.61	45.50	0.050	-26.02	69.00	0.020	-33.98			
4.50	0.345	-9.24	22.50	0.056	-25.04	46.00	0.044	-27.13	69.50	0.030	-30.46			
4.75	0.324	-9.80	23.00	0.041	-27.74	46.50	0.034	-29.37	70.00	0.040	-27.96			
5.00	0.292	-10.69	23.50	0.036	-28.87	47.00	0.024	-32.40	70.50	0.050	-26.02			
5.25	0.254	-11.90	24.00	0.048	-26.38	47.50	0.024	-32.40	71.00	0.058	-24.73			
5.50	0.214	-13.39	24.50	0.059	-24.58	48.00	0.034	-29.37	71.50	0.064	-23.88			
5.75	0.179	-14.94	25.00	0.061	-24.29	48.50	0.044	-27.13	72.00	0.069	-23.22			
6.00	0.157	-16.08	25.50	0.052	-25.68	49.00	0.050	-26.02	72.50	0.071	-22.97			
6.25	0.152	-16.33	26.00	0.038	-28.40	49.50	0.051	-25.85	73.00	0.072	-22.85			
6.50	0.162	-15.81	26.50	0.033	-29.63	50.00	0.047	-26.56	73.50	0.071	-22.97			

Preliminary, subject to final design and review.

POWER DENSITY CALCULATION

PROPOSED WMCF-DT REDUCED-POWER STA
CHANNEL 46 – MONTGOMERY, ALABAMA

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Montgomery facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 425 kW, an antenna radiation center 140 meters above ground, and the specific elevation pattern of the licensed ERI antenna, maximum power density two meters above ground of 0.0033 mW/cm^2 is calculated to occur 42 meters from the base of the tower. Since this is only 0.8 percent of the 0.44 mW/cm^2 reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 46 (662-668 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.