

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 use an auxiliary/interim antenna for its operation on Channel 46 (pre-repack) while the new repack antenna on Channel 28 is installed in its place. No change in site location is proposed herein.

It is proposed to mount an ERI directional, horizontally-polarized antenna at the 91.5-meter level of the existing 182.8-meter WMCF-DT tower. The proposed effective radiated power for the facility is 175 kW in the horizontal plane. Exhibit B is a map upon which the predicted service contours are plotted. As shown, the community of Montgomery is completely encompassed by the proposed STA facility's 48 dBu city-grade service contour. In Exhibit C, we have plotted the service contours of the main licensed WMCF-DT facility on Channel 46 and that from proposed STA interim operation. As shown, the service contour of the STA facility is completely contained within that licensed to WMCF-DT in BLCDDT-20100329AFH.

Elevation and azimuth pattern information for the proposed antenna are provided in Exhibit D. Since the STA facility proposed herein has a service contour contained completely within that licensed to WMCF-DT, no interference study is included herein. 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.

EXHIBIT A

In addition, the Federal Communications Commission issued Antenna Structure Registration Number 1042483 to this tower.

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 flourish at the end.

KEVIN T. FISHER

June 29, 2019

CONTOUR POPULATION
2015 U.S. CENSUS DATA
48 DBU : 381,549 (168,912 HH)
N/L : 403,234 (180,565 HH)

Smith and Fisher, LLC

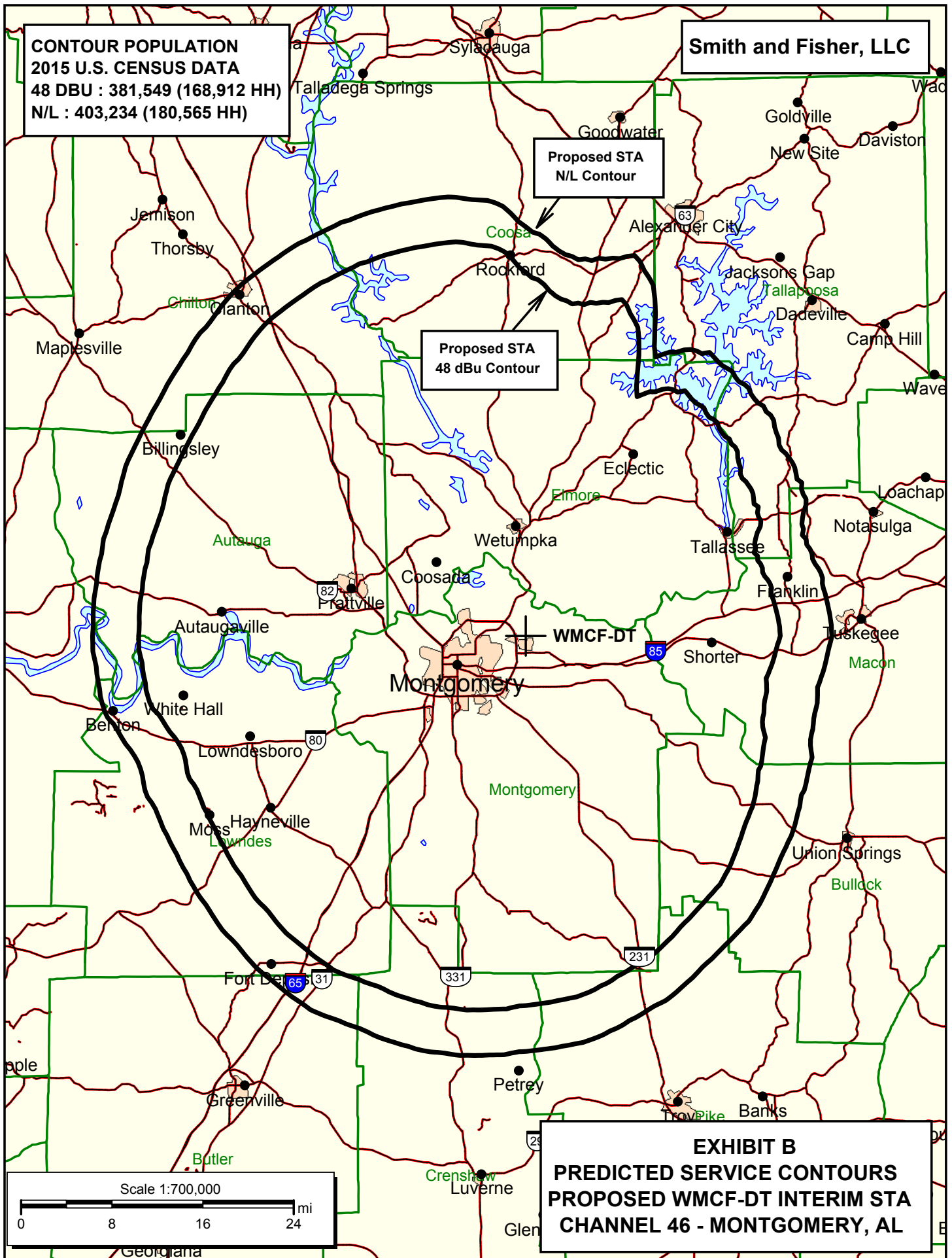
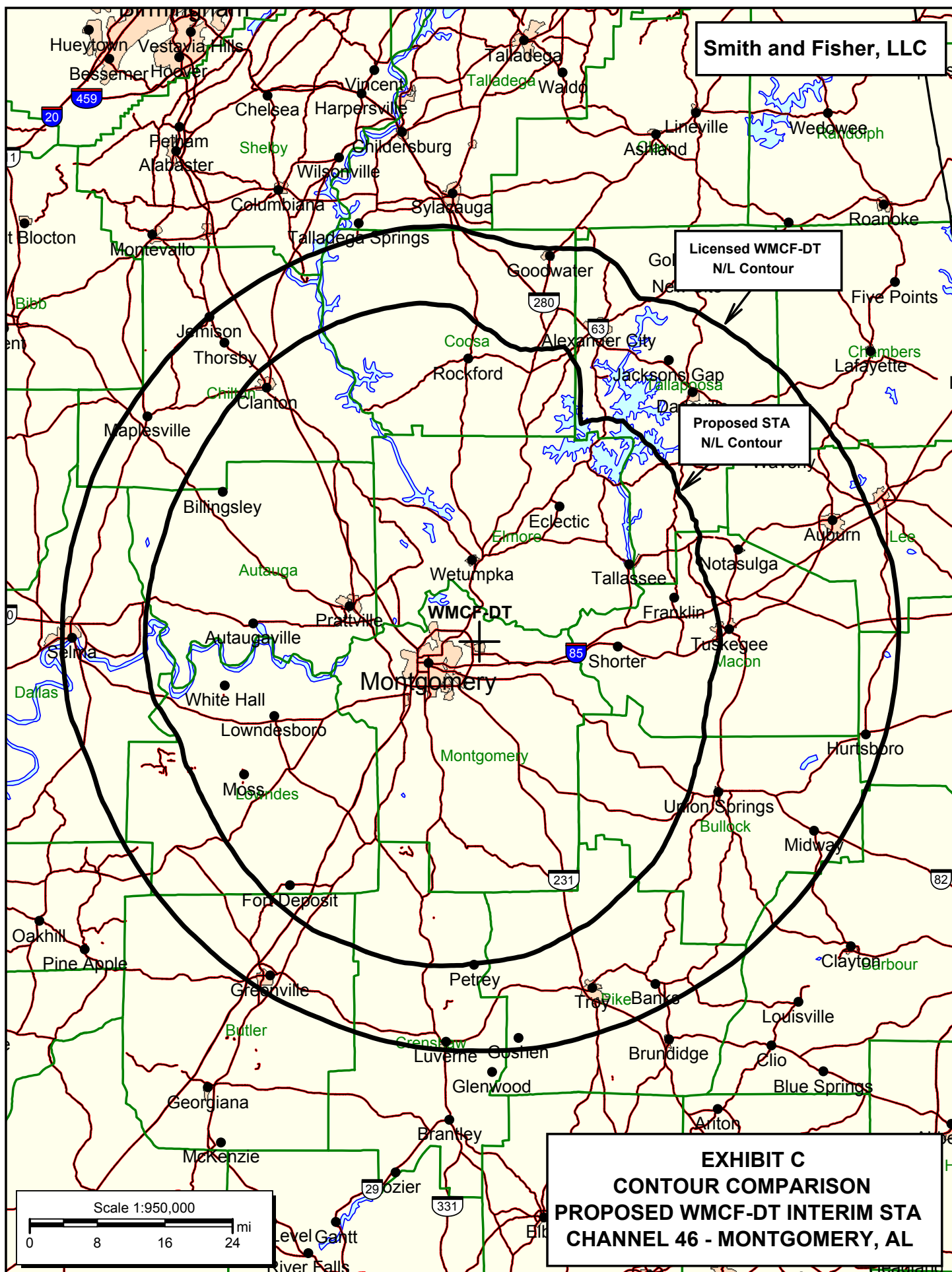


EXHIBIT B
PREDICTED SERVICE CONTOURS
PROPOSED WMCf-DT INTERIM STA
CHANNEL 46 - MONTGOMERY, AL

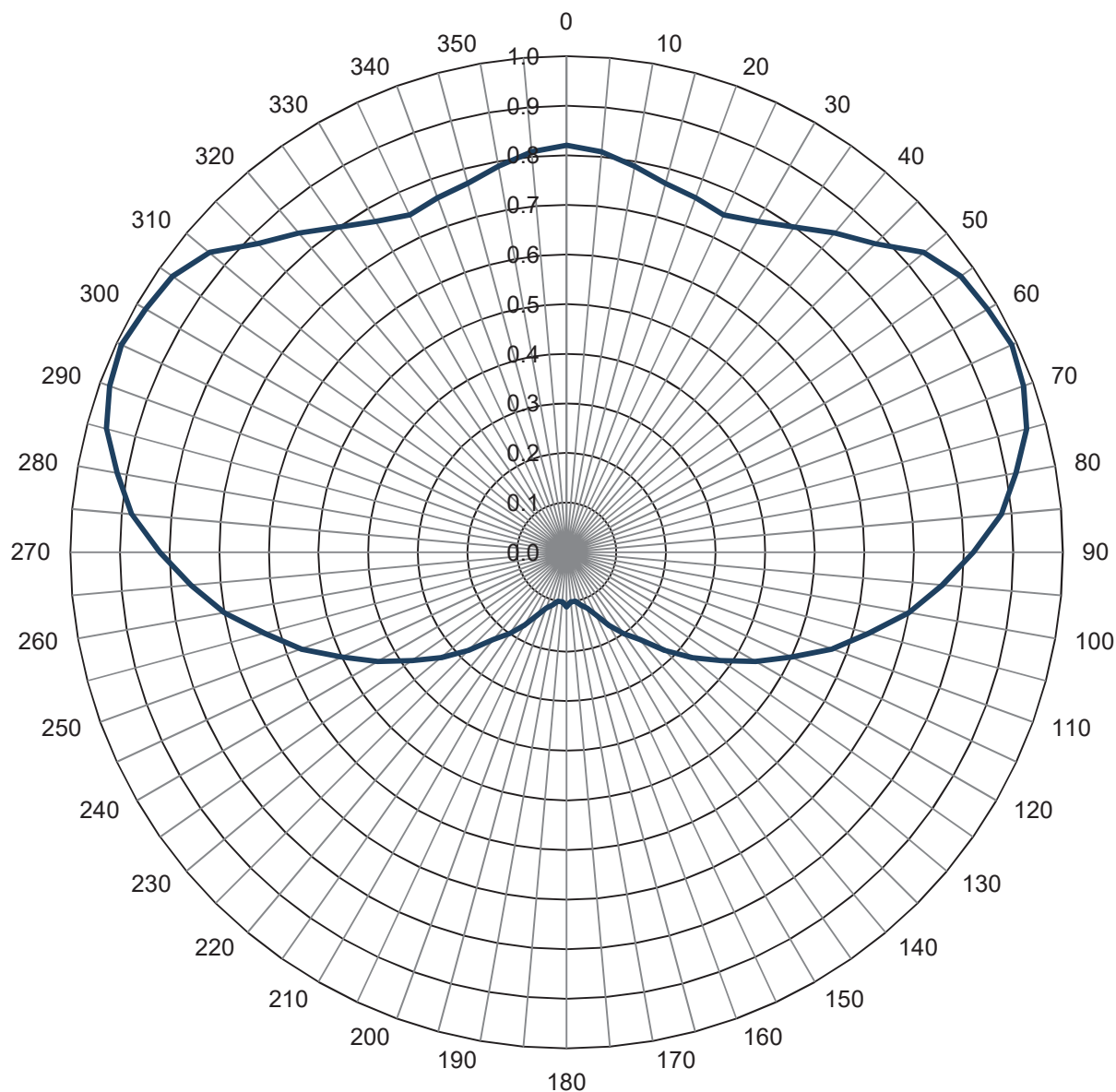


Specification Number: 20190507-469-1

Model: i230ECW-16-28 Page 6

Azimuth Pattern

Type:	i230WC-H-28	Polarization:	Horizontal
Directivity:	2.15 numeric (3.33 dB)	Frequency:	28 (ATSC)
Peak(s) at:		Location:	Montgomery, AL
		NOTE: Pattern shape and directivity may vary with channel and mounting configuration.	

Relative Field

Tabulated Data for Azimuth PatternType: i230WC-H-28

Angle	Field	dB
0	0.820	-1.72
2	0.810	-1.83
4	0.820	-1.72
6	0.810	-1.83
8	0.800	-1.94
10	0.790	-2.05
12	0.790	-2.05
14	0.780	-2.16
16	0.770	-2.27
18	0.770	-2.27
20	0.760	-2.38
22	0.750	-2.50
24	0.750	-2.50
26	0.750	-2.50
28	0.760	-2.38
30	0.770	-2.27
32	0.780	-2.16
34	0.790	-2.05
36	0.800	-1.94
38	0.820	-1.72
40	0.840	-1.51
42	0.860	-1.31
44	0.880	-1.11
46	0.890	-1.01
48	0.910	-0.82
50	0.940	-0.54
52	0.950	-0.45
54	0.950	-0.45
56	0.960	-0.35
58	0.980	-0.18
60	0.980	-0.18
62	0.990	-0.09
64	1.000	0.00
66	0.990	-0.09
68	0.990	-0.09
70	0.980	-0.18
72	0.970	-0.26
74	0.970	-0.26
76	0.950	-0.45
78	0.940	-0.54
80	0.920	-0.72
82	0.910	-0.82
84	0.880	-1.11
86	0.870	-1.21
88	0.850	-1.41
90	0.820	-1.72
92	0.790	-2.05
94	0.780	-2.16
96	0.750	-2.50
98	0.730	-2.73

Angle	Field	dB
100	0.700	-3.10
102	0.670	-3.48
104	0.640	-3.88
106	0.620	-4.15
108	0.590	-4.58
110	0.570	-4.88
112	0.530	-5.51
114	0.510	-5.85
116	0.490	-6.20
118	0.460	-6.74
120	0.440	-7.13
122	0.420	-7.54
124	0.390	-8.18
126	0.370	-8.64
128	0.350	-9.12
130	0.330	-9.63
132	0.310	-10.17
134	0.290	-10.75
136	0.270	-11.37
138	0.250	-12.04
140	0.230	-12.77
142	0.220	-13.15
144	0.200	-13.98
146	0.190	-14.42
148	0.170	-15.39
150	0.170	-15.39
152	0.150	-16.48
154	0.140	-17.08
156	0.130	-17.72
158	0.130	-17.72
160	0.120	-18.42
162	0.120	-18.42
164	0.110	-19.17
166	0.110	-19.17
168	0.110	-19.17
170	0.100	-20.00
172	0.100	-20.00
174	0.100	-20.00
176	0.100	-20.00
178	0.100	-20.00
180	0.110	-19.17
182	0.100	-20.00
184	0.100	-20.00
186	0.100	-20.00
188	0.100	-20.00
190	0.100	-20.00
192	0.110	-19.17
194	0.110	-19.17
196	0.110	-19.17
198	0.120	-18.42

Angle	Field	dB
200	0.120	-18.42
202	0.130	-17.72
204	0.130	-17.72
206	0.140	-17.08
208	0.150	-16.48
210	0.170	-15.39
212	0.170	-15.39
214	0.190	-14.42
216	0.200	-13.98
218	0.220	-13.15
220	0.230	-12.77
222	0.250	-12.04
224	0.270	-11.37
226	0.290	-10.75
228	0.310	-10.17
230	0.330	-9.63
232	0.350	-9.12
234	0.370	-8.64
236	0.390	-8.18
238	0.420	-7.54
240	0.440	-7.13
242	0.460	-6.74
244	0.490	-6.20
246	0.510	-5.85
248	0.530	-5.51
250	0.570	-4.88
252	0.590	-4.58
254	0.620	-4.15
256	0.640	-3.88
258	0.670	-3.48
260	0.700	-3.10
262	0.730	-2.73
264	0.750	-2.50
266	0.780	-2.16
268	0.790	-2.05
270	0.820	-1.72
272	0.850	-1.41
274	0.870	-1.21
276	0.880	-1.11
278	0.910	-0.82
280	0.920	-0.72
282	0.940	-0.54
284	0.950	-0.45
286	0.970	-0.26
288	0.970	-0.26
290	0.980	-0.18
292	0.990	-0.09
294	0.990	-0.09
296	1.000	0.00
298	0.990	-0.09

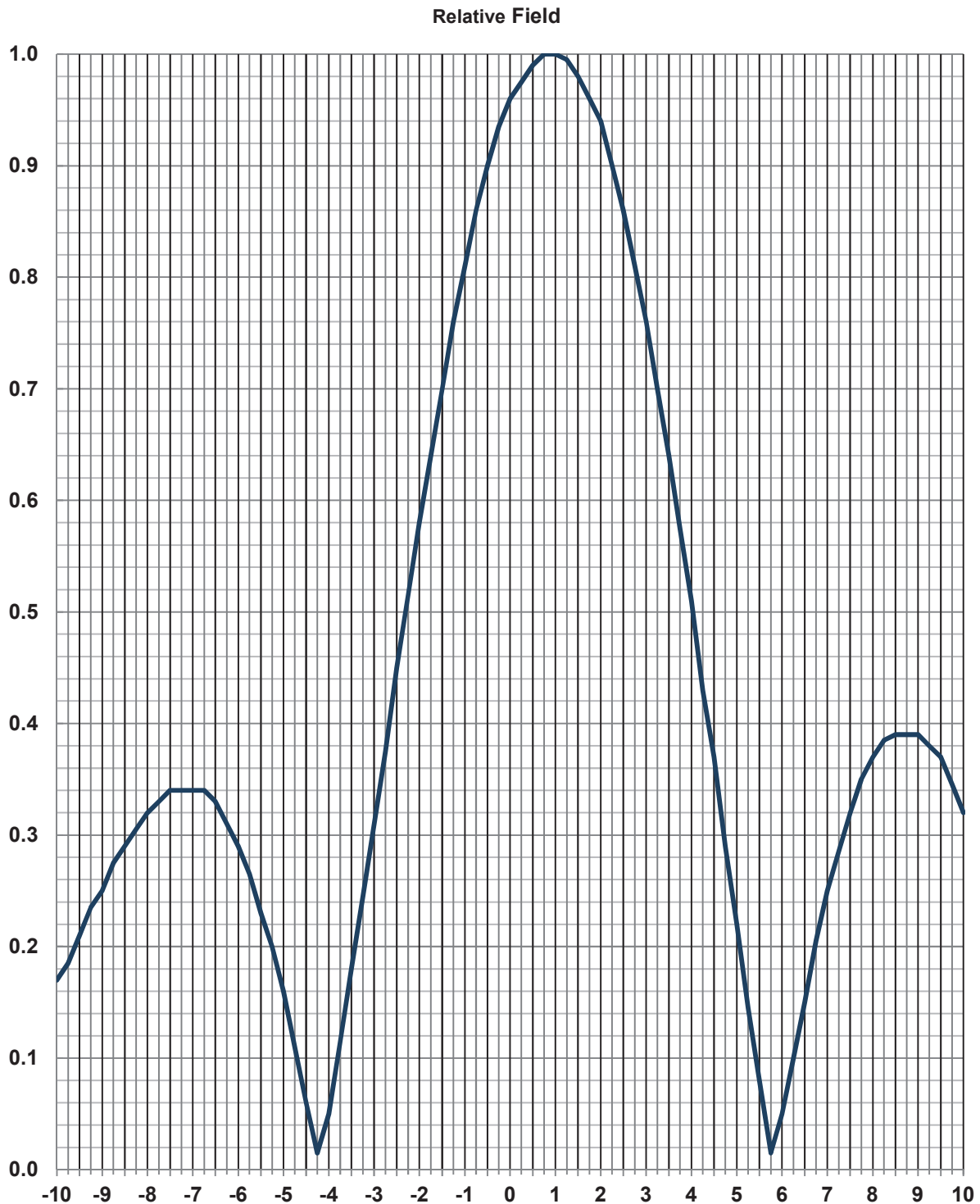
Angle	Field	dB
300	0.980	-0.18
302	0.980	-0.18
304	0.960	-0.35
306	0.950	-0.45
308	0.950	-0.45
310	0.940	-0.54
312	0.910	-0.82
314	0.890	-1.01
316	0.880	-1.11
318	0.860	-1.31
320	0.840	-1.51
322	0.820	-1.72
324	0.800	-1.94
326	0.790	-2.05
328	0.780	-2.16
330	0.770	-2.27
332	0.760	-2.38
334	0.750	-2.50
336	0.750	-2.50
338	0.750	-2.50
340	0.760	-2.38
342	0.770	-2.27
344	0.770	-2.27
346	0.780	-2.16
348	0.790	-2.05
350	0.790	-2.05
352	0.800	-1.94
354	0.810	-1.83
356	0.820	-1.72
358	0.810	-1.83
360	0.820	-1.72

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Elevation Pattern

Type:	i230WC-16-28	Polarization:	Horizontal
Directivity:		Frequency:	28 (ATSC)
Main Lobe:	10.50 numeric (10.21 dB)	Location:	Montgomery, AL
Horizontal:	9.68 numeric (9.86 dB)	Beam Tilt:	0.75 degrees



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Tabulated Data for Elevation PatternType: i230WC-16-28

-5 to 10 degrees in 0.25 degree increments.

10 to 90 degrees in 0.50 degree increments.

Angle	Field	dB	Angle	Field	dB	Angle	Field	dB	Angle	Field	dB	Angle	Field	dB
-10.00	0.170	-15.39	2.25	0.900	-0.92	19.00	0.210	-13.56	43.50	0.120	-18.42	68.00	0.030	-30.46
-9.75	0.185	-14.66	2.50	0.860	-1.31	19.50	0.220	-13.15	44.00	0.130	-17.72	68.50	0.020	-33.98
-9.50	0.210	-13.56	2.75	0.810	-1.83	20.00	0.230	-12.77	44.50	0.140	-17.08	69.00	0.020	-33.98
-9.25	0.235	-12.58	3.00	0.760	-2.38	20.50	0.210	-13.56	45.00	0.160	-15.92	69.50	0.020	-33.98
-9.00	0.250	-12.04	3.25	0.700	-3.10	21.00	0.200	-13.98	45.50	0.160	-15.92	70.00	0.020	-33.98
-8.75	0.275	-11.21	3.50	0.640	-3.88	21.50	0.170	-15.39	46.00	0.170	-15.39	70.50	0.020	-33.98
-8.50	0.290	-10.75	3.75	0.575	-4.81	22.00	0.140	-17.08	46.50	0.170	-15.39	71.00	0.010	-40.00
-8.25	0.305	-10.31	4.00	0.510	-5.85	22.50	0.110	-19.17	47.00	0.170	-15.39	71.50	0.010	-40.00
-8.00	0.320	-9.90	4.25	0.430	-7.33	23.00	0.070	-23.10	47.50	0.160	-15.92	72.00	0.010	-40.00
-7.75	0.330	-9.63	4.50	0.370	-8.64	23.50	0.050	-26.02	48.00	0.160	-15.92	72.50	0.010	-40.00
-7.50	0.340	-9.37	4.75	0.290	-10.75	24.00	0.020	-33.98	48.50	0.140	-17.08	73.00	0.010	-40.00
-7.25	0.340	-9.37	5.00	0.220	-13.15	24.50	0.030	-30.46	49.00	0.130	-17.72	73.50	0.010	-40.00
-7.00	0.340	-9.37	5.25	0.145	-16.77	25.00	0.040	-27.96	49.50	0.110	-19.17	74.00	0.000	---
-6.75	0.340	-9.37	5.50	0.080	-21.94	25.50	0.030	-30.46	50.00	0.100	-20.00	74.50	0.000	---
-6.50	0.330	-9.63	5.75	0.015	-36.48	26.00	0.020	-33.98	50.50	0.080	-21.94	75.00	0.000	---
-6.25	0.310	-10.17	6.00	0.050	-26.02	26.50	0.000	---	51.00	0.060	-24.44	75.50	0.000	---
-6.00	0.290	-10.75	6.25	0.100	-20.00	27.00	0.020	-33.98	51.50	0.040	-27.96	76.00	0.000	---
-5.75	0.265	-11.54	6.50	0.150	-16.48	27.50	0.060	-24.44	52.00	0.020	-33.98	76.50	0.010	-40.00
-5.50	0.230	-12.77	6.75	0.205	-13.76	28.00	0.090	-20.92	52.50	0.000	---	77.00	0.010	-40.00
-5.25	0.200	-13.98	7.00	0.250	-12.04	28.50	0.130	-17.72	53.00	0.020	-33.98	77.50	0.010	-40.00
-5.00	0.160	-15.92	7.25	0.285	-10.90	29.00	0.170	-15.39	53.50	0.040	-27.96	78.00	0.010	-40.00
-4.75	0.110	-19.17	7.50	0.320	-9.90	29.50	0.210	-13.56	54.00	0.050	-26.02	78.50	0.010	-40.00
-4.50	0.060	-24.44	7.75	0.350	-9.12	30.00	0.240	-12.40	54.50	0.070	-23.10	79.00	0.010	-40.00
-4.25	0.015	-36.48	8.00	0.370	-8.64	30.50	0.270	-11.37	55.00	0.080	-21.94	79.50	0.010	-40.00
-4.00	0.050	-26.02	8.25	0.385	-8.29	31.00	0.290	-10.75	55.50	0.090	-20.92	80.00	0.020	-33.98
-3.75	0.115	-18.79	8.50	0.390	-8.18	31.50	0.310	-10.17	56.00	0.100	-20.00	80.50	0.020	-33.98
-3.50	0.180	-14.89	8.75	0.390	-8.18	32.00	0.310	-10.17	56.50	0.100	-20.00	81.00	0.020	-33.98
-3.25	0.245	-12.22	9.00	0.390	-8.18	32.50	0.310	-10.17	57.00	0.110	-19.17	81.50	0.020	-33.98
-3.00	0.310	-10.17	9.25	0.380	-8.40	33.00	0.300	-10.46	57.50	0.110	-19.17	82.00	0.020	-33.98
-2.75	0.375	-8.52	9.50	0.370	-8.64	33.50	0.280	-11.06	58.00	0.110	-19.17	82.50	0.020	-33.98
-2.50	0.450	-6.94	9.75	0.345	-9.24	34.00	0.260	-11.70	58.50	0.110	-19.17	83.00	0.020	-33.98
-2.25	0.515	-5.76	10.00	0.320	-9.90	34.50	0.230	-12.77	59.00	0.110	-19.17	83.50	0.020	-33.98
-2.00	0.580	-4.73	10.50	0.280	-11.06	35.00	0.200	-13.98	59.50	0.110	-19.17	84.00	0.020	-33.98
-1.75	0.640	-3.88	11.00	0.230	-12.77	35.50	0.170	-15.39	60.00	0.110	-19.17	84.50	0.020	-33.98
-1.50	0.700	-3.10	11.50	0.170	-15.39	36.00	0.140	-17.08	60.50	0.100	-20.00	85.00	0.020	-33.98
-1.25	0.760	-2.38	12.00	0.110	-19.17	36.50	0.100	-20.00	61.00	0.100	-20.00	85.50	0.030	-30.46
-1.00	0.810	-1.83	12.50	0.090	-20.92	37.00	0.070	-23.10	61.50	0.090	-20.92	86.00	0.030	-30.46
-0.75	0.860	-1.31	13.00	0.090	-20.92	37.50	0.040	-27.96	62.00	0.090	-20.92	86.50	0.030	-30.46
-0.50	0.900	-0.92	13.50	0.090	-20.92	38.00	0.020	-33.98	62.50	0.080	-21.94	87.00	0.030	-30.46
-0.25	0.935	-0.58	14.00	0.090	-20.92	38.50	0.010	-40.00	63.00	0.070	-23.10	87.50	0.030	-30.46
0.00	0.960	-0.35	14.50	0.080	-21.94	39.00	0.020	-33.98	63.50	0.070	-23.10	88.00	0.030	-30.46
0.25	0.975	-0.22	15.00	0.060	-24.44	39.50	0.040	-27.96	64.00	0.060	-24.44	88.50	0.030	-30.46
0.50	0.990	-0.09	15.50	0.030	-30.46	40.00	0.050	-26.02	64.50	0.060	-24.44	89.00	0.030	-30.46
0.75	1.000	0.00	16.00	0.000	---	40.50	0.050	-26.02	65.00	0.050	-26.02	89.50	0.030	-30.46
1.00	1.000	0.00	16.50	0.050	-26.02	41.00	0.060	-24.44	65.50	0.050	-26.02	90.00	0.030	-30.46
1.25	0.995	-0.04	17.00	0.090	-20.92	41.50	0.070	-23.10	66.00	0.040	-27.96			
1.50	0.980	-0.18	17.50	0.130	-17.72	42.00	0.080	-21.94	66.50	0.040	-27.96			
1.75	0.960	-0.35	18.00	0.170	-15.39	42.50	0.090	-20.92	67.00	0.030	-30.46			
2.00	0.940	-0.54	18.50	0.200	-13.98	43.00	0.110	-19.17	67.50	0.030	-30.46			

POWER DENSITY CALCULATION

PROPOSED WMPV-DT STA REQUEST FOR INTERIM FACILITY
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 175 kW, an antenna radiation center 91.5 meters above ground, and the specific elevation pattern of the proposed ERI antenna, maximum power density two meters above ground of 0.019 mW/cm^2 is calculated to occur 138 meters west of the base of the tower. Since this is only 4.3 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.