

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 KDOR-DT, Channel 17 in Bartlesville, Oklahoma, in support of its Application for Construction Permit to specify operation on its post-repack channel, Channel 36. No change in site location or antenna height is proposed herein.

It is proposed to mount an ERI directional, horizontally-polarized slotted cylinder antenna at the 322-meter level of the existing 326-meter KDOR-DT tower. The proposed effective radiated power for the facility is 1000 kW in horizontal plane, which is the allotted repack power level for KDOR-DT. Exhibit B is a map upon which the predicted service contours are plotted. As shown, the community of Bartlesville is completely encompassed by the proposed 48 dBu city-grade service contour. Elevation and azimuth pattern information for the proposed antenna are provided in Exhibit C. Since the facility proposed herein specifies the exact repack allotment facility assigned to KDOR-DT, no interference study is included herein. A power density calculation appears as Exhibit D.

Since no change in the overall height or location of the existing KDOR-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 1201051 to this tower.

EXHIBIT A

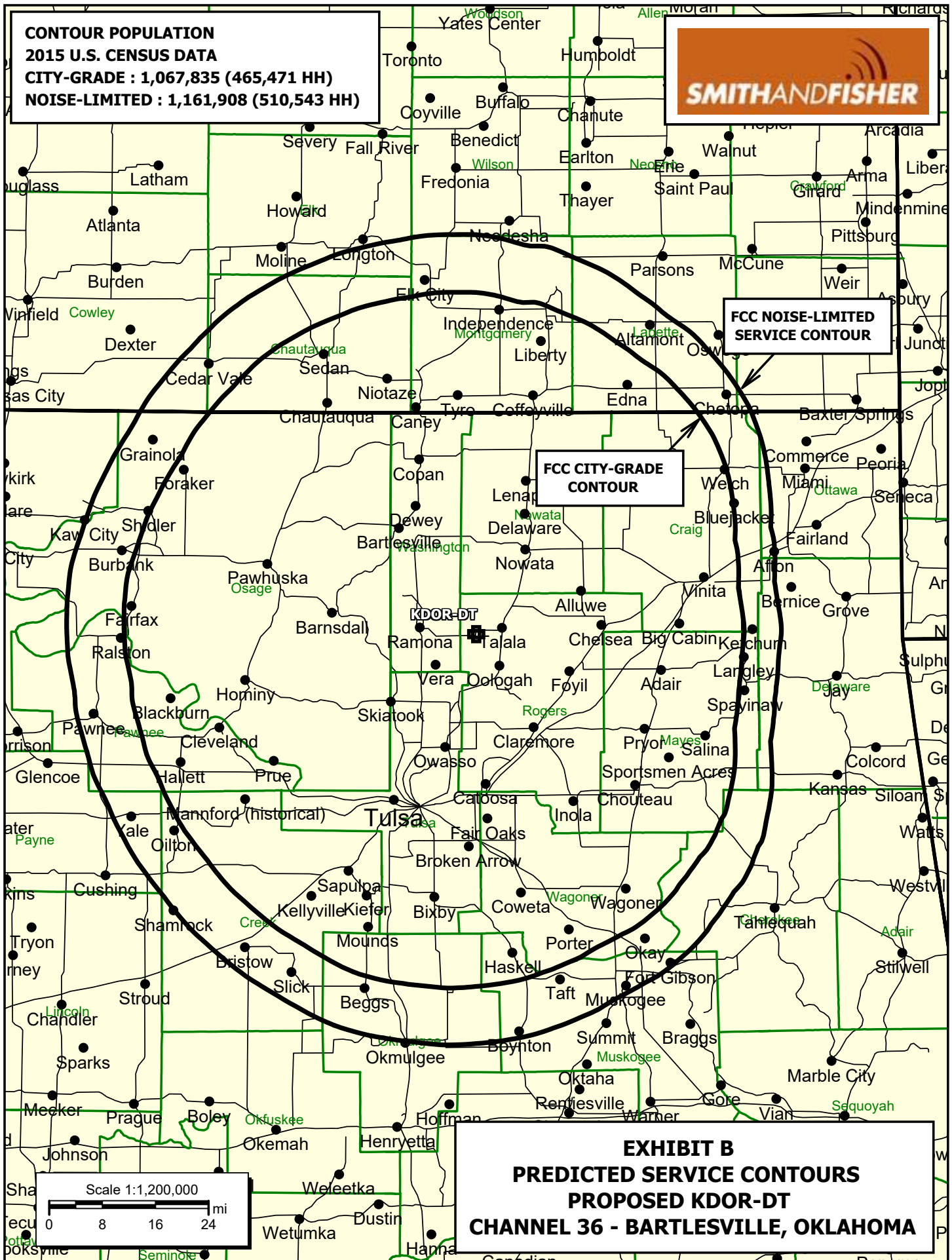
I declare under penalty of perjury that the foregoing statements and the attached exhibits, which were prepared by me or under my immediate supervision, are true and correct to the best of my knowledge and belief.

A handwritten signature in blue ink, appearing to read "K. T. Fisher". The signature is stylized with a large "K", a small "T", and a long horizontal stroke for the "F".

KEVIN T. FISHER

May 22, 2017

CONTOUR POPULATION
2015 U.S. CENSUS DATA
CITY-GRADE : 1,067,835 (465,471 HH)
NOISE-LIMITED : 1,161,908 (510,543 HH)



**FCC NOISE-LIMITED
SERVICE CONTOUR**

**FCC CITY-GRADE
CONTOUR**

EXHIBIT B
PREDICTED SERVICE CONTOURS
PROPOSED KDOR-DT
CHANNEL 36 - BARTLESVILLE, OKLAHOMA

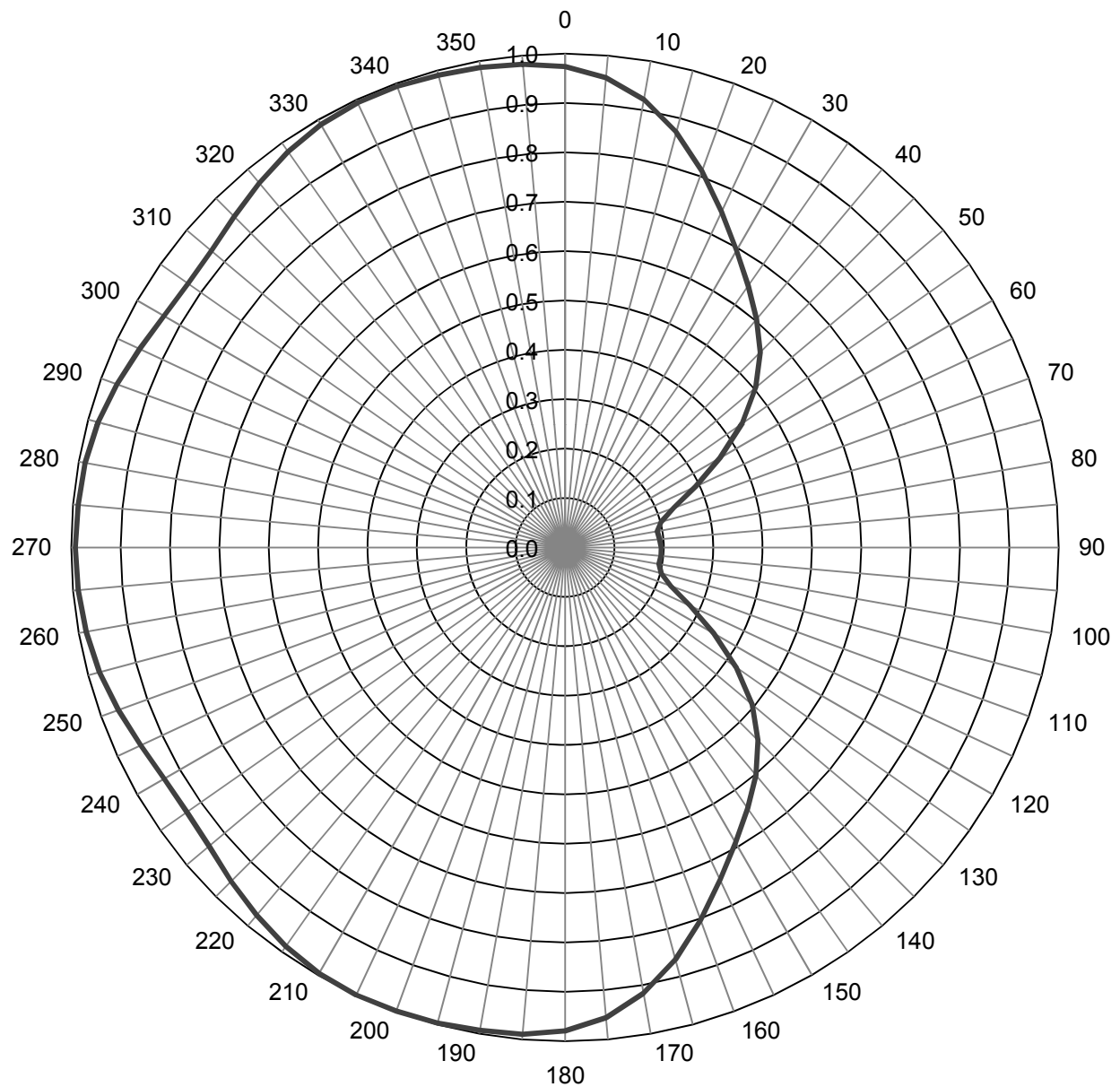
Specification Number: 20170227-640

Model: ATW22H4-HTC1-36H Page 6

Azimuth Pattern

Type:	ATW-C1	Polarization:	Horizontal
Directivity:	1.52 numeric (1.82 dB)	Frequency:	36 (ATSC)
Peak(s) at:		Location:	Bartlesville, OK
		NOTE: Pattern shape and directivity may vary with channel and mounting configuration.	

Relative Field



Tabulated Data for Azimuth PatternType: ATW-C1

Angle	Field	dB
0	0.974	-0.23
2	0.968	-0.28
4	0.960	-0.35
6	0.950	-0.45
8	0.937	-0.57
10	0.921	-0.71
12	0.903	-0.89
14	0.882	-1.09
16	0.860	-1.31
18	0.836	-1.56
20	0.811	-1.82
22	0.787	-2.08
24	0.762	-2.36
26	0.738	-2.64
28	0.716	-2.90
30	0.695	-3.16
32	0.675	-3.41
34	0.656	-3.66
36	0.638	-3.90
38	0.621	-4.14
40	0.604	-4.38
42	0.587	-4.63
44	0.568	-4.91
46	0.549	-5.21
48	0.527	-5.56
50	0.504	-5.95
52	0.479	-6.39
54	0.452	-6.90
56	0.423	-7.47
58	0.393	-8.11
60	0.363	-8.80
62	0.333	-9.55
64	0.305	-10.31
66	0.279	-11.09
68	0.255	-11.87
70	0.235	-12.58
72	0.219	-13.19
74	0.206	-13.72
76	0.198	-14.07
78	0.192	-14.33
80	0.190	-14.42
82	0.190	-14.42
84	0.191	-14.38
86	0.192	-14.33
88	0.194	-14.24
90	0.195	-14.20
92	0.195	-14.20
94	0.195	-14.20
96	0.194	-14.24
98	0.193	-14.29

Angle	Field	dB
100	0.193	-14.29
102	0.195	-14.20
104	0.198	-14.07
106	0.205	-13.76
108	0.215	-13.35
110	0.228	-12.84
112	0.246	-12.18
114	0.267	-11.47
116	0.291	-10.72
118	0.318	-9.95
120	0.348	-9.17
122	0.378	-8.45
124	0.408	-7.79
126	0.438	-7.17
128	0.467	-6.61
130	0.495	-6.11
132	0.520	-5.68
134	0.543	-5.30
136	0.564	-4.97
138	0.584	-4.67
140	0.602	-4.41
142	0.620	-4.15
144	0.637	-3.92
146	0.654	-3.69
148	0.672	-3.45
150	0.691	-3.21
152	0.711	-2.96
154	0.732	-2.71
156	0.755	-2.44
158	0.778	-2.18
160	0.803	-1.91
162	0.827	-1.65
164	0.852	-1.39
166	0.875	-1.16
168	0.897	-0.94
170	0.917	-0.75
172	0.935	-0.58
174	0.950	-0.45
176	0.962	-0.34
178	0.972	-0.25
180	0.979	-0.18
182	0.985	-0.13
184	0.988	-0.10
186	0.991	-0.08
188	0.992	-0.07
190	0.993	-0.06
192	0.995	-0.04
194	0.996	-0.03
196	0.997	-0.03
198	0.998	-0.02

Angle	Field	dB
200	0.999	-0.01
202	1.000	0.00
204	1.000	0.00
206	1.000	0.00
208	0.998	-0.02
210	0.996	-0.03
212	0.993	-0.06
214	0.989	-0.10
216	0.984	-0.14
218	0.978	-0.19
220	0.972	-0.25
222	0.965	-0.31
224	0.959	-0.36
226	0.952	-0.43
228	0.946	-0.48
230	0.941	-0.53
232	0.938	-0.56
234	0.935	-0.58
236	0.934	-0.59
238	0.935	-0.58
240	0.937	-0.57
242	0.941	-0.53
244	0.945	-0.49
246	0.951	-0.44
248	0.957	-0.38
250	0.963	-0.33
252	0.968	-0.28
254	0.974	-0.23
256	0.978	-0.19
258	0.982	-0.16
260	0.985	-0.13
262	0.988	-0.10
264	0.990	-0.09
266	0.991	-0.08
268	0.991	-0.08
270	0.992	-0.07
272	0.992	-0.07
274	0.991	-0.08
276	0.990	-0.09
278	0.989	-0.10
280	0.987	-0.11
282	0.984	-0.14
284	0.981	-0.17
286	0.976	-0.21
288	0.971	-0.26
290	0.966	-0.30
292	0.960	-0.35
294	0.954	-0.41
296	0.948	-0.46
298	0.943	-0.51

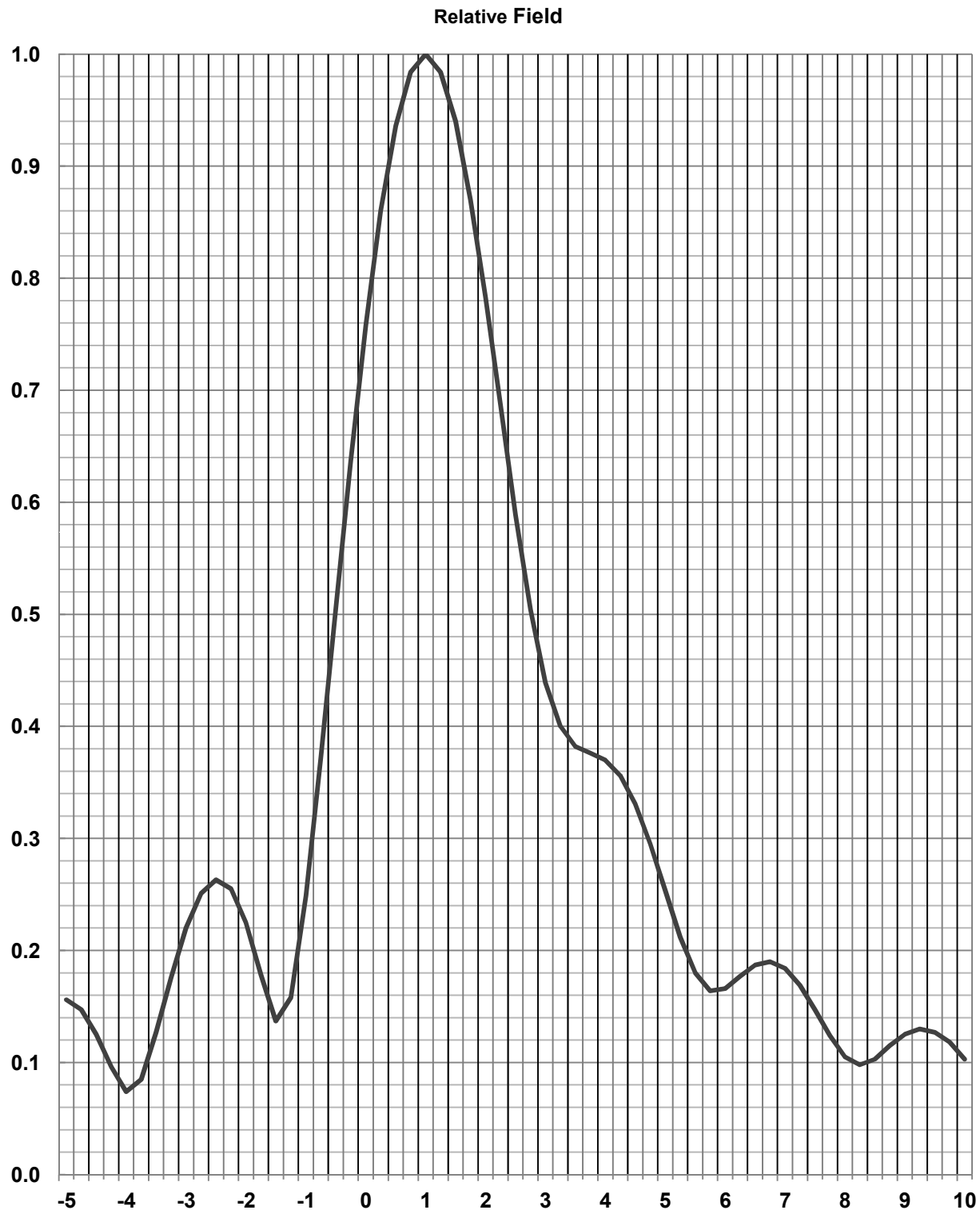
Angle	Field	dB
300	0.938	-0.56
302	0.935	-0.58
304	0.933	-0.60
306	0.932	-0.61
308	0.933	-0.60
310	0.935	-0.58
312	0.939	-0.55
314	0.944	-0.50
316	0.950	-0.45
318	0.956	-0.39
320	0.963	-0.33
322	0.969	-0.27
324	0.975	-0.22
326	0.981	-0.17
328	0.985	-0.13
330	0.989	-0.10
332	0.992	-0.07
334	0.994	-0.05
336	0.994	-0.05
338	0.994	-0.05
340	0.994	-0.05
342	0.993	-0.06
344	0.991	-0.08
346	0.990	-0.09
348	0.988	-0.10
350	0.987	-0.11
352	0.985	-0.13
354	0.983	-0.15
356	0.981	-0.17
358	0.978	-0.19
360	0.974	-0.23

Specification Number: 20170227-640

Model: ATW22H4-HTC1-36H Page 8

Elevation Pattern

Type:	ATW-22-H4H	Polarization:	Horizontal
Directivity:		Frequency:	36 (ATSC)
Main Lobe:	22.00 numeric (13.42 dB)	Location:	Bartlesville, OK
Horizontal:	12.64 numeric (11.02 dB)	Beam Tilt:	1.00 degrees



Tabulated Data for Elevation PatternType: ATW-22-H4H

-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
-5.00	0.156	-16.14	7.25	0.169	-15.44	29.00	0.025	-32.04	53.50	0.041	-27.74	78.00	0.045	-26.94
-4.75	0.147	-16.65	7.50	0.147	-16.65	29.50	0.035	-29.12	54.00	0.037	-28.64	78.50	0.043	-27.33
-4.50	0.125	-18.06	7.75	0.124	-18.13	30.00	0.043	-27.33	54.50	0.029	-30.75	79.00	0.041	-27.74
-4.25	0.096	-20.35	8.00	0.105	-19.58	30.50	0.043	-27.33	55.00	0.020	-33.98	79.50	0.038	-28.40
-4.00	0.074	-22.62	8.25	0.098	-20.18	31.00	0.034	-29.37	55.50	0.016	-35.92	80.00	0.035	-29.12
-3.75	0.085	-21.41	8.50	0.103	-19.74	31.50	0.024	-32.40	56.00	0.021	-33.56	80.50	0.031	-30.17
-3.50	0.127	-17.92	8.75	0.115	-18.79	32.00	0.025	-32.04	56.50	0.031	-30.17	81.00	0.028	-31.06
-3.25	0.176	-15.09	9.00	0.125	-18.06	32.50	0.035	-29.12	57.00	0.038	-28.40	81.50	0.025	-32.04
-3.00	0.220	-13.15	9.25	0.130	-17.72	33.00	0.041	-27.74	57.50	0.042	-27.54	82.00	0.021	-33.56
-2.75	0.251	-12.01	9.50	0.127	-17.92	33.50	0.039	-28.18	58.00	0.042	-27.54	82.50	0.018	-34.89
-2.50	0.263	-11.60	9.75	0.118	-18.56	34.00	0.030	-30.46	58.50	0.037	-28.64	83.00	0.015	-36.48
-2.25	0.255	-11.87	10.00	0.103	-19.74	34.50	0.022	-33.15	59.00	0.029	-30.75	83.50	0.012	-38.42
-2.00	0.225	-12.96	10.50	0.073	-22.73	35.00	0.026	-31.70	59.50	0.020	-33.98	84.00	0.010	-40.00
-1.75	0.178	-14.99	11.00	0.076	-22.38	35.50	0.036	-28.87	60.00	0.014	-37.08	84.50	0.008	-41.94
-1.50	0.137	-17.27	11.50	0.095	-20.45	36.00	0.041	-27.74	60.50	0.018	-34.89	85.00	0.006	-44.44
-1.25	0.158	-16.03	12.00	0.098	-20.18	36.50	0.038	-28.40	61.00	0.027	-31.37	85.50	0.004	-47.96
-1.00	0.249	-12.08	12.50	0.079	-22.05	37.00	0.029	-30.75	61.50	0.036	-28.87	86.00	0.003	-50.46
-0.75	0.372	-8.59	13.00	0.056	-25.04	37.50	0.021	-33.56	62.00	0.042	-27.54	86.50	0.002	-53.98
-0.50	0.506	-5.92	13.50	0.059	-24.58	38.00	0.024	-32.40	62.50	0.045	-26.94	87.00	0.001	-60.00
-0.25	0.637	-3.92	14.00	0.077	-22.27	38.50	0.034	-29.37	63.00	0.044	-27.13	87.50	0.001	-60.00
0.00	0.758	-2.41	14.50	0.080	-21.94	39.00	0.039	-28.18	63.50	0.040	-27.96	88.00	0.000	---
0.25	0.860	-1.31	15.00	0.066	-23.61	39.50	0.038	-28.40	64.00	0.033	-29.63	88.50	0.000	---
0.50	0.936	-0.57	15.50	0.047	-26.56	40.00	0.030	-30.46	64.50	0.025	-32.04	89.00	0.000	---
0.75	0.984	-0.14	16.00	0.049	-26.20	40.50	0.021	-33.56	65.00	0.016	-35.92	89.50	0.000	---
1.00	1.000	0.00	16.50	0.065	-23.74	41.00	0.021	-33.56	65.50	0.011	-39.17	90.00	0.000	---
1.25	0.984	-0.14	17.00	0.069	-23.22	41.50	0.030	-30.46	66.00	0.017	-35.39			
1.50	0.940	-0.54	17.50	0.058	-24.73	42.00	0.037	-28.64	66.50	0.026	-31.70			
1.75	0.870	-1.21	18.00	0.041	-27.74	42.50	0.039	-28.18	67.00	0.034	-29.37			
2.00	0.783	-2.12	18.50	0.041	-27.74	43.00	0.034	-29.37	67.50	0.041	-27.74			
2.25	0.686	-3.27	19.00	0.054	-25.35	43.50	0.025	-32.04	68.00	0.046	-26.74			
2.50	0.589	-4.60	19.50	0.061	-24.29	44.00	0.018	-34.89	68.50	0.048	-26.38			
2.75	0.504	-5.95	20.00	0.053	-25.51	44.50	0.022	-33.15	69.00	0.048	-26.38			
3.00	0.439	-7.15	20.50	0.037	-28.64	45.00	0.032	-29.90	69.50	0.045	-26.94			
3.25	0.400	-7.96	21.00	0.034	-29.37	45.50	0.038	-28.40	70.00	0.041	-27.74			
3.50	0.382	-8.36	21.50	0.046	-26.74	46.00	0.039	-28.18	70.50	0.035	-29.12			
3.75	0.376	-8.50	22.00	0.054	-25.35	46.50	0.033	-29.63	71.00	0.027	-31.37			
4.00	0.370	-8.64	22.50	0.050	-26.02	47.00	0.024	-32.40	71.50	0.019	-34.42			
4.25	0.356	-8.97	23.00	0.037	-28.64	47.50	0.017	-35.39	72.00	0.011	-39.17			
4.50	0.331	-9.60	23.50	0.030	-30.46	48.00	0.021	-33.56	72.50	0.005	-46.02			
4.75	0.295	-10.60	24.00	0.039	-28.18	48.50	0.031	-30.17	73.00	0.010	-40.00			
5.00	0.254	-11.90	24.50	0.049	-26.20	49.00	0.038	-28.40	73.50	0.018	-34.89			
5.25	0.212	-13.47	25.00	0.049	-26.20	49.50	0.040	-27.96	74.00	0.025	-32.04			
5.50	0.180	-14.89	25.50	0.038	-28.40	50.00	0.036	-28.87	74.50	0.031	-30.17			
5.75	0.164	-15.70	26.00	0.027	-31.37	50.50	0.028	-31.06	75.00	0.036	-28.87			
6.00	0.166	-15.60	26.50	0.031	-30.17	51.00	0.019	-34.42	75.50	0.041	-27.74			
6.25	0.177	-15.04	27.00	0.042	-27.54	51.50	0.017	-35.39	76.00	0.043	-27.33			
6.50	0.187	-14.56	27.50	0.046	-26.74	52.00	0.025	-32.04	76.50	0.045	-26.94			
6.75	0.190	-14.42	28.00	0.040	-27.96	52.50	0.034	-29.37	77.00	0.046	-26.74			
7.00	0.184	-14.70	28.50	0.029	-30.75	53.00	0.040	-27.96	77.50	0.046	-26.74			

POWER DENSITY CALCULATION

PROPOSED KDOR-DT
CHANNEL 36 – BARTLESVILLE, OKLAHOMA

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Bartlesville facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 1000 kW, an antenna radiation center 322 meters above ground, and the specific elevation pattern of the proposed ERI antenna, maximum power density two meters above ground of 0.00066 mW/cm^2 is calculated to occur 71 meters from the base of the tower. Since this is only 0.2 percent of the 0.40 mW/cm^2 reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 36 (602-608 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.