

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 WHSG-DT, Channel 44 in Monroe, Georgia, in support of its request for Special Temporary Authority to use an auxiliary antenna for its operation on Channel 44 (pre-repack) while the new repack antenna on Channel 22 is installed.

It is proposed to mount an RFS broadband directional, elliptically-polarized antenna at the 317.6-meter level of the existing 329.2-meter tower on which the WHSG-DT repack antenna is authorized to be located (LMS-0000034684). The proposed effective radiated power for the facility is 200 kW in the horizontal plane. Exhibit B is a map upon which the predicted service contours are plotted. As shown, the community of Monroe is completely encompassed by the proposed STA 48 dBu city-grade service contour. In Exhibit C, we have plotted the service contours of the main licensed WHSG-DT facility (authorized in BLCDT-20111128FDD) and that from proposed STA interim operation. As shown, the service contour of the STA facility is completely contained within that licensed to WHSG-DT.

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 WHSG-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 tower is proposed herein, the Federal Aviation Administration has not been notified of this application.

EXHIBIT A

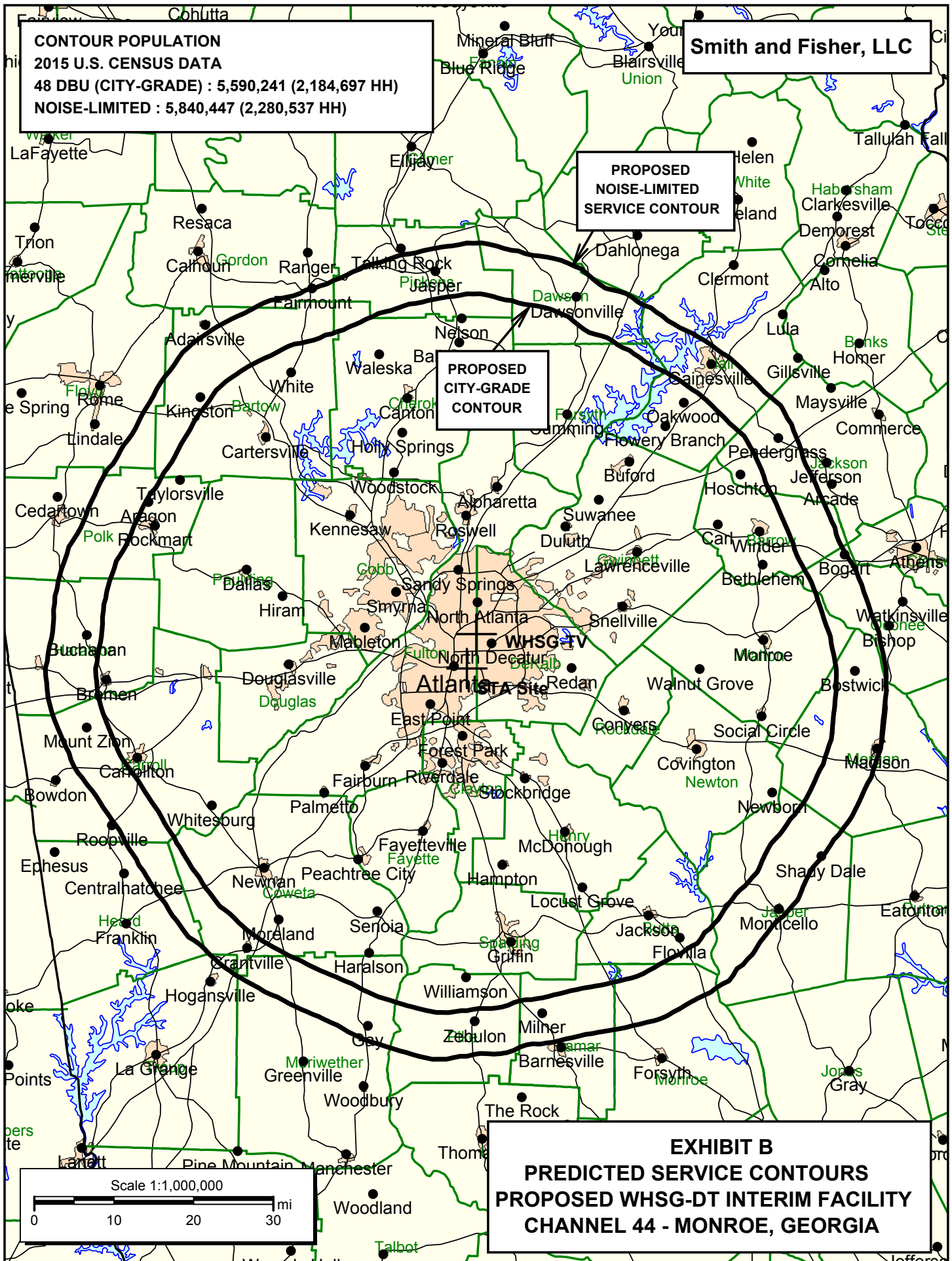
In addition, the Federal Communications Commission issued Antenna Structure Registration Number 1206253 to this tower.

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 'K' and 'F'.

KEVIN T. FISHER

April 18, 2019



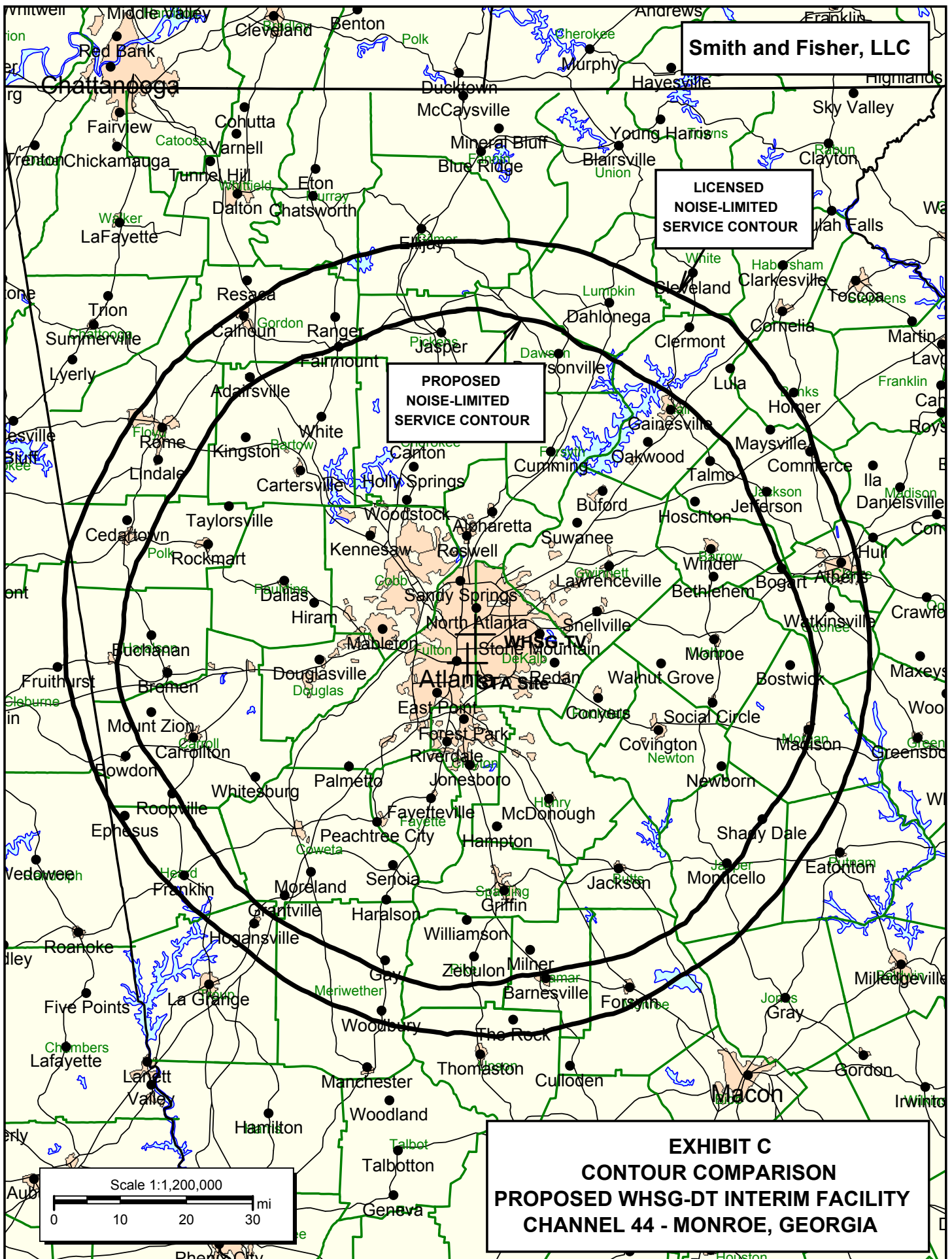
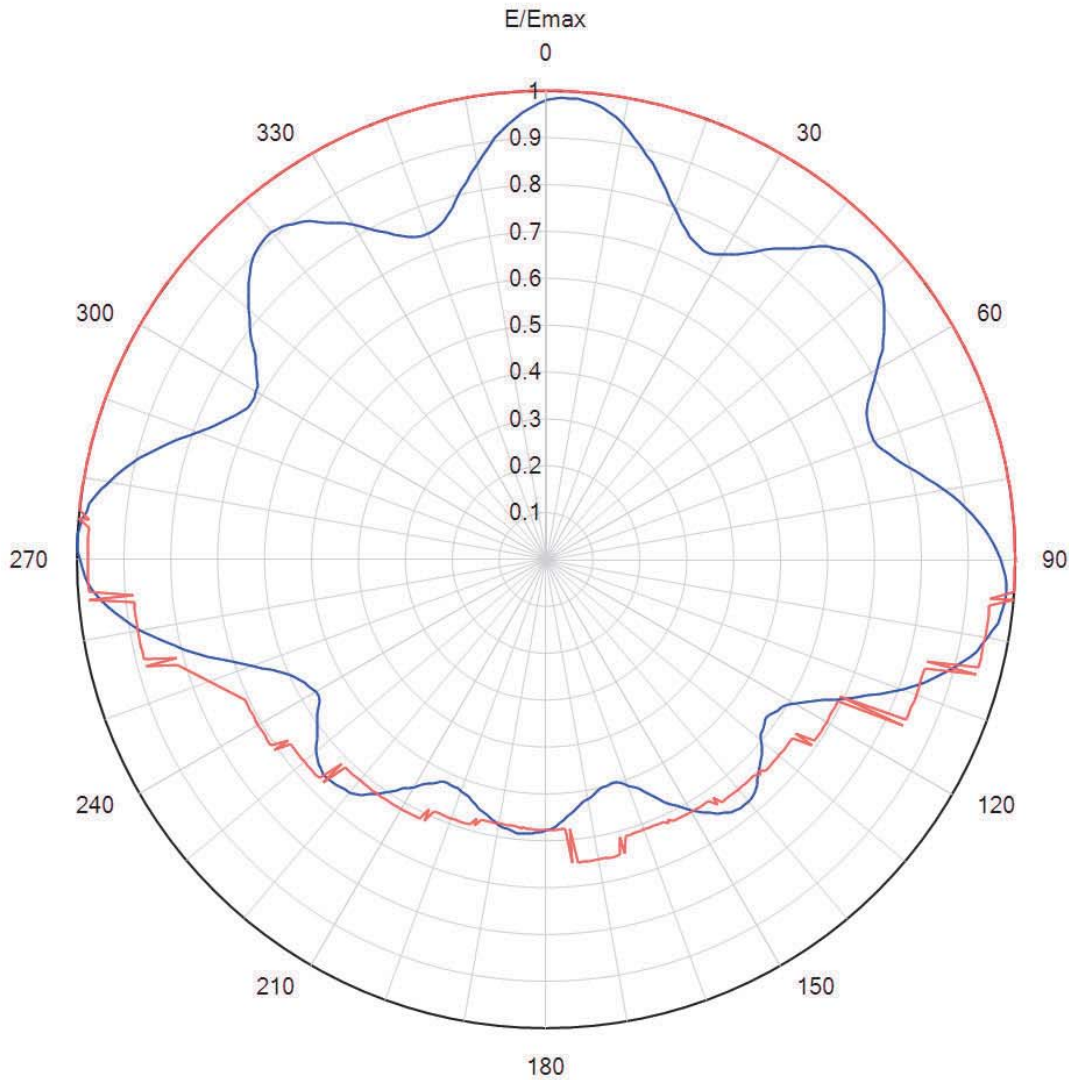






EXHIBIT D

## Azimuth Pattern



Model: PEPL48D  
Location: Atlanta Chester Avenue  
Customer: American Tower  
Date: June 12, 2018  
Rotation Angle: 0 degrees

Polarization: Horizontal  
Frequency: 653.00 MHz  
Directivity: 1.7 (2.27 dB)  
Elevation Angle: 0.70 degrees  
Horizontal Unit Pattern:  
File = Chester-H-653.pat

Note: Pattern Tolerance +/-5% of Emax



Model: **PEPL48D**  
 Location: **Atlanta Chester Avenue**  
 Customer: **American Tower**  
 Date: **June 12, 2018**

Polarization: **Horizontal**  
 Frequency (MHz): **653.00**  
 Directivity: **1.7 (2.27 dB)**  
 Elevation Angle: **0.75 degrees**  
 Rotation Angle: **0 degrees**

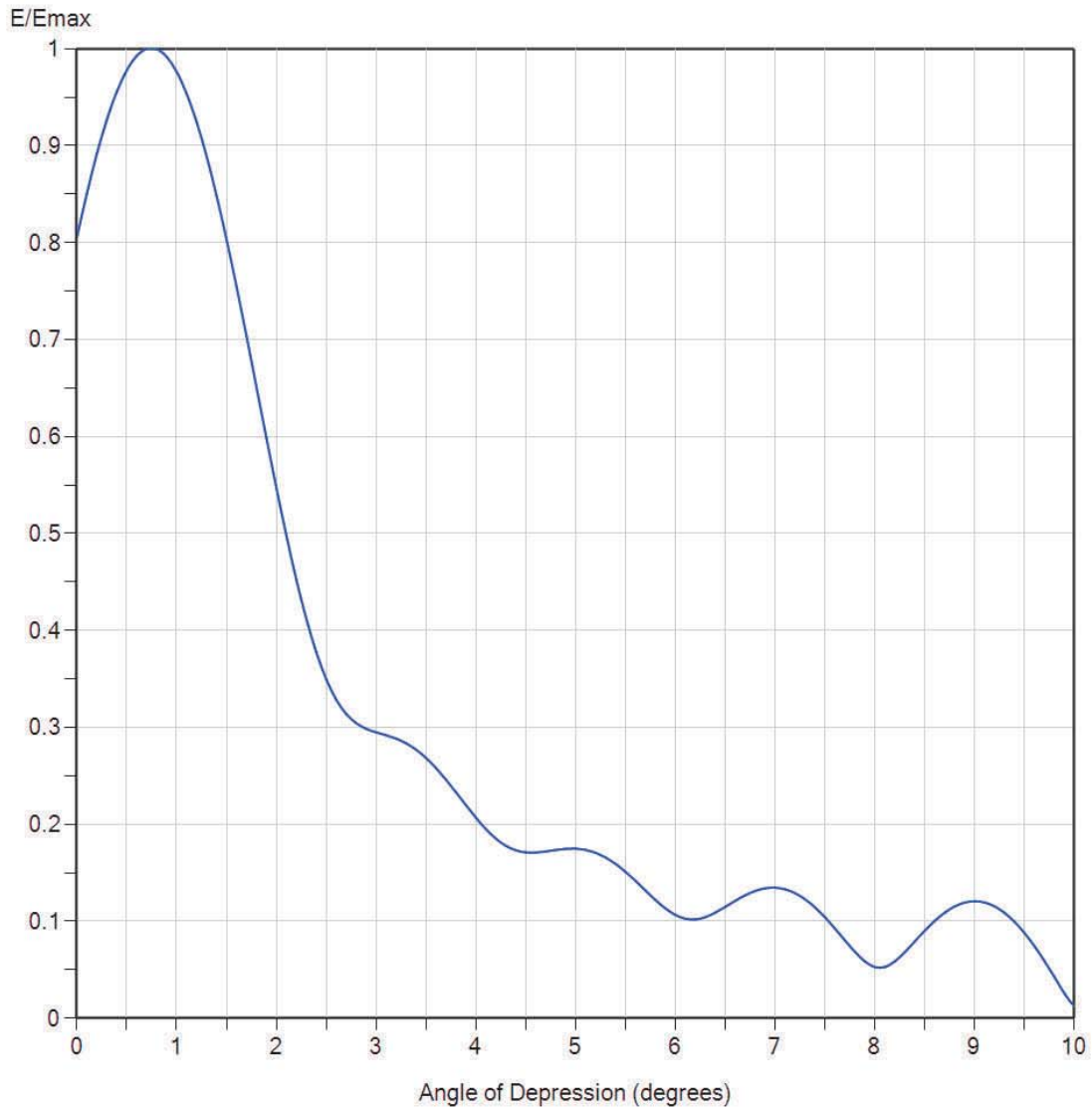
### TABULATED AZIMUTH PATTERN

Angl	Field	Angl	Field	Angl	Field	Angl	Field	Angl	Field	Angl	Field	Angl	Field	Angl	Field
0	0.980	45	0.922	90	0.969	135	0.640	180	0.578	225	0.660	270	0.994	315	0.889
1	0.984	46	0.926	91	0.974	136	0.649	181	0.582	226	0.660	271	0.998	316	0.897
2	0.985	47	0.928	92	0.979	137	0.659	182	0.584	227	0.656	272	1.000	317	0.904
3	0.986	48	0.929	93	0.982	138	0.666	183	0.586	228	0.652	273	1.000	318	0.908
4	0.985	49	0.929	94	0.984	139	0.671	184	0.587	229	0.647	274	0.996	319	0.911
5	0.983	50	0.925	95	0.983	140	0.673	185	0.587	230	0.640	275	0.991	320	0.911
6	0.979	51	0.921	96	0.980	141	0.674	186	0.587	231	0.632	276	0.985	321	0.909
7	0.972	52	0.913	97	0.977	142	0.674	187	0.585	232	0.620	277	0.980	322	0.903
8	0.963	53	0.902	98	0.972	143	0.672	188	0.582	233	0.611	278	0.971	323	0.896
9	0.954	54	0.891	99	0.964	144	0.668	189	0.579	234	0.603	279	0.961	324	0.889
10	0.944	55	0.879	100	0.956	145	0.661	190	0.577	235	0.595	280	0.947	325	0.881
11	0.932	56	0.870	101	0.947	146	0.654	191	0.572	236	0.587	281	0.934	326	0.868
12	0.917	57	0.858	102	0.940	147	0.645	192	0.566	237	0.577	282	0.921	327	0.856
13	0.904	58	0.847	103	0.927	148	0.636	193	0.559	238	0.570	283	0.909	328	0.846
14	0.889	59	0.831	104	0.913	149	0.627	194	0.555	239	0.565	284	0.893	329	0.837
15	0.876	60	0.815	105	0.897	150	0.617	195	0.551	240	0.566	285	0.877	330	0.826
16	0.860	61	0.800	106	0.881	151	0.607	196	0.545	241	0.570	286	0.860	331	0.812
17	0.844	62	0.789	107	0.865	152	0.596	197	0.539	242	0.575	287	0.844	332	0.798
18	0.827	63	0.776	108	0.849	153	0.587	198	0.533	243	0.579	288	0.826	333	0.786
19	0.812	64	0.764	109	0.829	154	0.577	199	0.528	244	0.585	289	0.808	334	0.775
20	0.799	65	0.755	110	0.811	155	0.564	200	0.526	245	0.592	290	0.791	335	0.765
21	0.787	66	0.749	111	0.788	156	0.549	201	0.523	246	0.603	291	0.775	336	0.756
22	0.774	67	0.746	112	0.766	157	0.537	202	0.523	247	0.615	292	0.761	337	0.747
23	0.765	68	0.742	113	0.743	158	0.527	203	0.521	248	0.630	293	0.751	338	0.742
24	0.754	69	0.742	114	0.722	159	0.521	204	0.522	249	0.646	294	0.740	339	0.740
25	0.747	70	0.743	115	0.703	160	0.513	205	0.523	250	0.664	295	0.731	340	0.740
26	0.742	71	0.748	116	0.683	161	0.506	206	0.528	251	0.684	296	0.721	341	0.741
27	0.740	72	0.755	117	0.662	162	0.500	207	0.536	252	0.704	297	0.714	342	0.746
28	0.741	73	0.765	118	0.645	163	0.497	208	0.542	253	0.726	298	0.712	343	0.753
29	0.743	74	0.777	119	0.628	164	0.497	209	0.551	254	0.750	299	0.711	344	0.764
30	0.750	75	0.788	120	0.615	165	0.499	210	0.560	255	0.773	300	0.714	345	0.776
31	0.759	76	0.802	121	0.602	166	0.501	211	0.570	256	0.794	301	0.718	346	0.791
32	0.768	77	0.816	122	0.593	167	0.505	212	0.577	257	0.815	302	0.726	347	0.807
33	0.779	78	0.830	123	0.589	168	0.509	213	0.587	258	0.835	303	0.735	348	0.822
34	0.791	79	0.845	124	0.584	169	0.514	214	0.596	259	0.856	304	0.745	349	0.839
35	0.806	80	0.861	125	0.580	170	0.518	215	0.608	260	0.875	305	0.756	350	0.854
36	0.819	81	0.876	126	0.579	171	0.523	216	0.618	261	0.893	306	0.771	351	0.871
37	0.829	82	0.889	127	0.583	172	0.529	217	0.628	262	0.910	307	0.786	352	0.888
38	0.842	83	0.901	128	0.586	173	0.535	218	0.638	263	0.925	308	0.802	353	0.905
39	0.855	84	0.913	129	0.590	174	0.542	219	0.646	264	0.941	309	0.814	354	0.919
40	0.870	85	0.926	130	0.599	175	0.548	220	0.650	265	0.954	310	0.827	355	0.931
41	0.885	86	0.936	131	0.610	176	0.556	221	0.651	266	0.968	311	0.841	356	0.943
42	0.897	87	0.947	132	0.621	177	0.563	222	0.653	267	0.977	312	0.854	357	0.954
43	0.908	88	0.955	133	0.626	178	0.570	223	0.656	268	0.984	313	0.867	358	0.965
44	0.917	89	0.963	134	0.633	179	0.575	224	0.660	269	0.989	314	0.878	359	0.973



EXHIBIT D

## Elevation Pattern

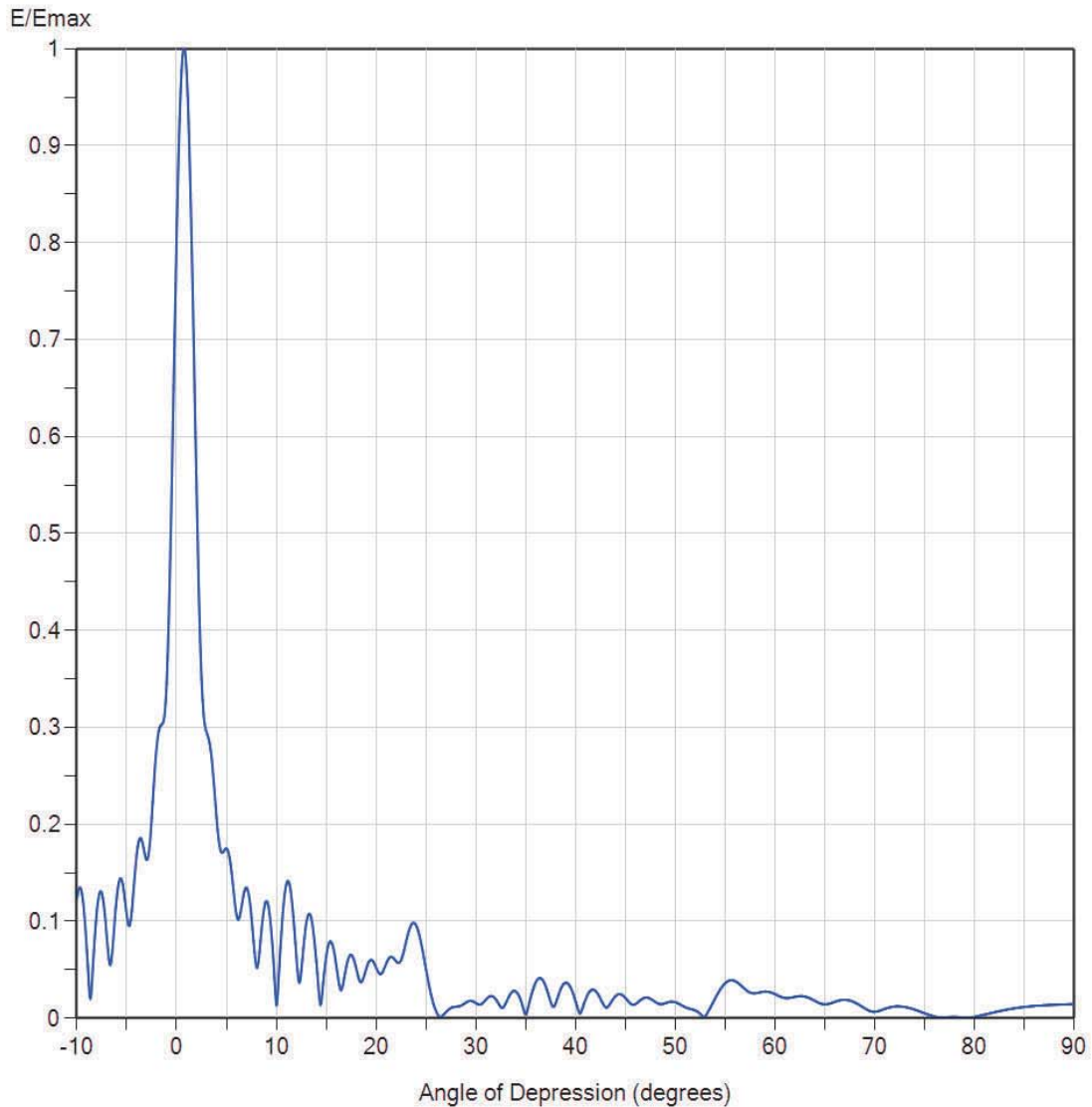


Model:	PEPL48D	Frequency:	653.00 MHz
Polarization:	<u>Horizontal</u>	Directivity (Main Lobe):	26.5 (14.24 dBd)
Location:	Atlanta Chester Avenue	Directivity (At Horizon):	17.2 (12.36 dBd)
Customer:	American Tower	Beam Tilt:	0.75 degrees
Date:	June 12, 2018	Azimuth Angle:	0 degrees



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POWER DENSITY CALCULATION

PROPOSED WHSG-DT STA REQUEST FOR INTERIM FACILITY  
CHANNEL 44 – MONROE, GEORGIA

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Monroe facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 200 kW (H,V), an antenna radiation center 317.6 meters above ground, and the specific elevation pattern of the proposed RFS antenna, maximum power density two meters above ground of  $0.00015 \text{ mW/cm}^2$  is calculated to occur 205 meters north of the base of the tower. Since this is significantly less than 0.1 percent of the  $0.43 \text{ mW/cm}^2$  reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 44 (650-656 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.