

EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of FIFTH STREET ENTERPRISES, LLC, licensee of Class A digital television station WWAT-CD, Channel 45 in Charleroi, Pennsylvania, in support of its Application for Construction Permit to specify operation on its post-repack channel, Channel 29. No change in site location, antenna azimuth pattern or antenna height is proposed herein.

It is proposed to utilize the mount a new Dielectric elliptically-polarized directional antenna at the 64-meter level of the existing 73-meter WWAT-CD tower. The proposed effective radiated power for the facility is 0.407 kW in the horizontal plane, which is the allotted repack power level for WWAT-CD. Exhibit B is a map upon which the predicted 51 dBu service contour is plotted.

Azimuth and elevation pattern information for the proposed Dielectric antenna appear in Exhibit C. Since the facility proposed herein specifies the exact repack allotment facility assigned to WWAT-CD, no interference study is included herein. A detailed power density calculation is provided in Exhibit D.

Since no change in the overall height or location of the existing WWAT-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 1025878 to this tower.

SMITH AND FISHER

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".

KEVIN T. FISHER

July 3, 2017

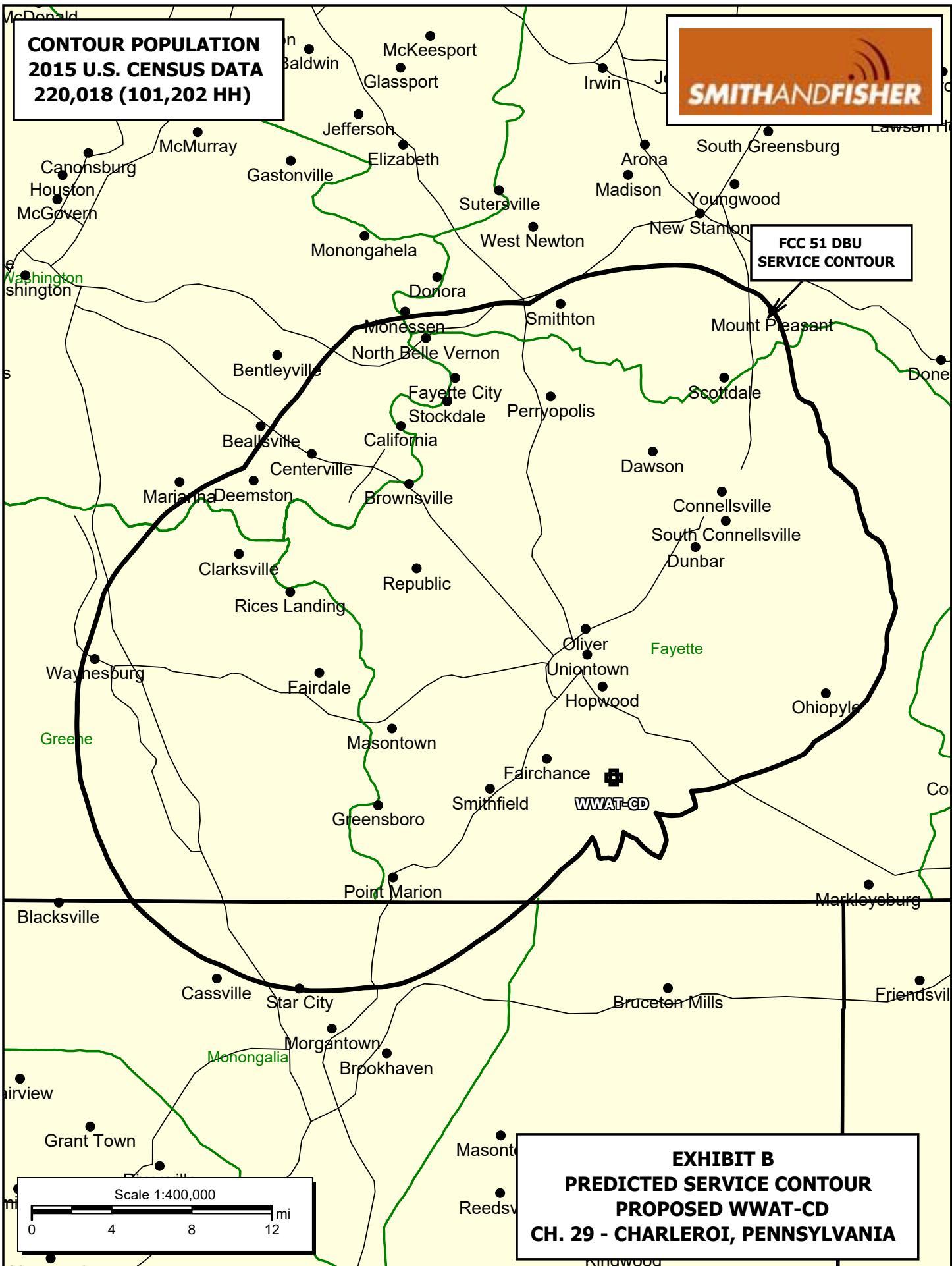
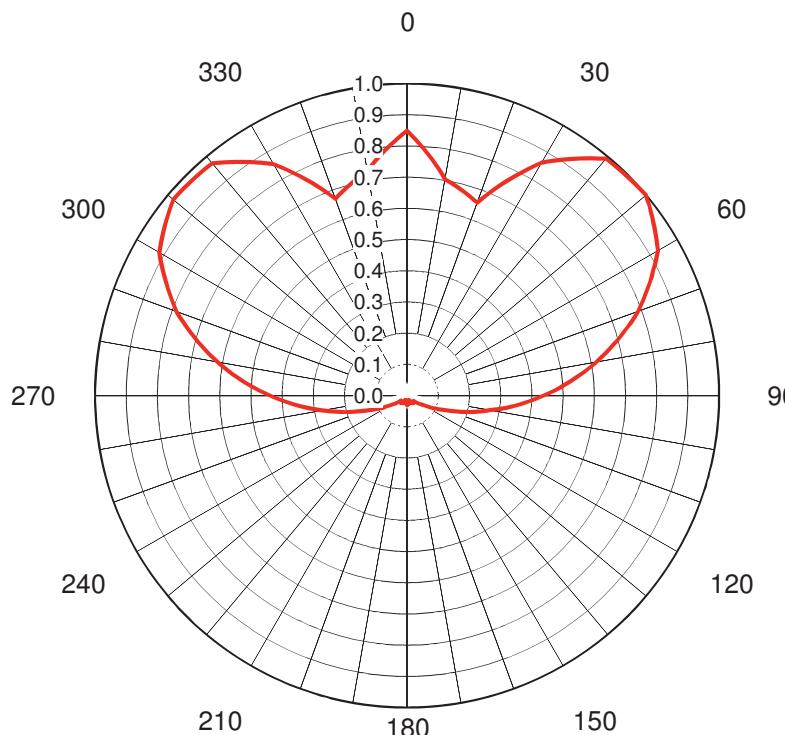


EXHIBIT C

AZIMUTH PATTERN
Horizontal Polarization

Proposal No. **C-70925**
 Date **26-Jun-17**
 Call Letters **WWAT**
 Channel **29**
 Frequency **563 MHz**
 Antenna Type **TUL-C2 1/2 -K-1**
 Gain **2.95 (4.69dB)**
 Calculated

Deg	Value																		
0	0.849	36	0.939	72	0.753	108	0.164	144	0.028	180	0.031	216	0.030	252	0.165	288	0.752	324	0.926
1	0.835	37	0.952	73	0.736	109	0.151	145	0.027	181	0.030	217	0.030	253	0.178	289	0.769	325	0.914
2	0.820	38	0.965	74	0.719	110	0.138	146	0.027	182	0.028	218	0.030	254	0.192	290	0.786	326	0.903
3	0.805	39	0.978	75	0.701	111	0.130	147	0.026	183	0.027	219	0.031	255	0.205	291	0.799	327	0.891
4	0.791	40	0.991	76	0.684	112	0.122	148	0.025	184	0.026	220	0.031	256	0.218	292	0.812	328	0.880
5	0.776	41	0.992	77	0.667	113	0.115	149	0.025	185	0.024	221	0.030	257	0.232	293	0.825	329	0.868
6	0.762	42	0.993	78	0.650	114	0.107	150	0.024	186	0.023	222	0.030	258	0.245	294	0.838	330	0.857
7	0.748	43	0.994	79	0.632	115	0.099	151	0.023	187	0.022	223	0.029	259	0.259	295	0.851	331	0.838
8	0.733	44	0.995	80	0.615	116	0.091	152	0.022	188	0.021	224	0.029	260	0.272	296	0.865	332	0.820
9	0.719	45	0.996	81	0.597	117	0.083	153	0.021	189	0.019	225	0.028	261	0.289	297	0.878	333	0.801
10	0.704	46	0.996	82	0.579	118	0.076	154	0.020	190	0.018	226	0.027	262	0.305	298	0.891	334	0.783
11	0.699	47	0.997	83	0.562	119	0.068	155	0.020	191	0.018	227	0.027	263	0.322	299	0.904	335	0.764
12	0.695	48	0.998	84	0.544	120	0.060	156	0.019	192	0.017	228	0.026	264	0.339	300	0.917	336	0.745
13	0.690	49	0.999	85	0.526	121	0.057	157	0.018	193	0.017	229	0.026	265	0.356	301	0.923	337	0.727
14	0.686	50	1.000	86	0.508	122	0.053	158	0.017	194	0.017	230	0.025	266	0.372	302	0.929	338	0.708
15	0.681	51	0.993	87	0.490	123	0.050	159	0.016	195	0.016	231	0.029	267	0.389	303	0.935	339	0.690
16	0.676	52	0.986	88	0.473	124	0.046	160	0.015	196	0.016	232	0.032	268	0.406	304	0.941	340	0.671
17	0.672	53	0.979	89	0.455	125	0.043	161	0.016	197	0.016	233	0.036	269	0.422	305	0.947	341	0.677
18	0.667	54	0.972	90	0.437	126	0.040	162	0.017	198	0.016	234	0.039	270	0.439	306	0.954	342	0.683
19	0.663	55	0.965	91	0.420	127	0.036	163	0.018	199	0.015	235	0.043	271	0.457	307	0.960	343	0.690
20	0.658	56	0.957	92	0.404	128	0.033	164	0.019	200	0.015	236	0.046	272	0.475	308	0.966	344	0.696
21	0.678	57	0.950	93	0.387	129	0.029	165	0.021	201	0.016	237	0.049	273	0.492	309	0.972	345	0.702
22	0.699	58	0.943	94	0.370	130	0.026	166	0.022	202	0.018	238	0.053	274	0.510	310	0.978	346	0.708
23	0.719	59	0.936	95	0.354	131	0.026	167	0.023	203	0.019	239	0.056	275	0.528	311	0.977	347	0.714
24	0.740	60	0.929	96	0.337	132	0.027	168	0.024	204	0.020	240	0.060	276	0.546	312	0.977	348	0.721
25	0.760	61	0.915	97	0.320	133	0.027	169	0.025	205	0.022	241	0.068	277	0.564	313	0.976	349	0.727
26	0.780	62	0.901	98	0.303	134	0.028	170	0.026	206	0.023	242	0.076	278	0.581	314	0.976	350	0.733
27	0.801	63	0.887	99	0.287	135	0.029	171	0.026	207	0.024	243	0.083	279	0.599	315	0.975	351	0.745
28	0.821	64	0.873	100	0.270	136	0.030	172	0.027	208	0.025	244	0.091	280	0.617	316	0.974	352	0.756
29	0.842	65	0.859	101	0.257	137	0.030	173	0.027	209	0.027	245	0.099	281	0.634	317	0.974	353	0.768
30	0.862	66	0.844	102	0.244	138	0.030	174	0.028	210	0.028	246	0.107	282	0.651	318	0.973	354	0.779
31	0.875	67	0.830	103	0.230	139	0.031	175	0.029	211	0.028	247	0.115	283	0.668	319	0.973	355	0.791
32	0.888	68	0.816	104	0.217	140	0.031	176	0.029	212	0.029	248	0.122	284	0.685	320	0.972	356	0.803
33	0.901	69	0.802	105	0.204	141	0.030	177	0.030	213	0.029	249	0.130	285	0.701	321	0.961	357	0.814
34	0.914	70	0.788	106	0.191	142	0.030	178	0.030	214	0.029	250	0.138	286	0.718	322	0.949	358	0.826
35	0.927	71	0.771	107	0.178	143	0.029	179	0.031	215	0.030	251	0.151	287	0.735	323	0.938	359	0.837

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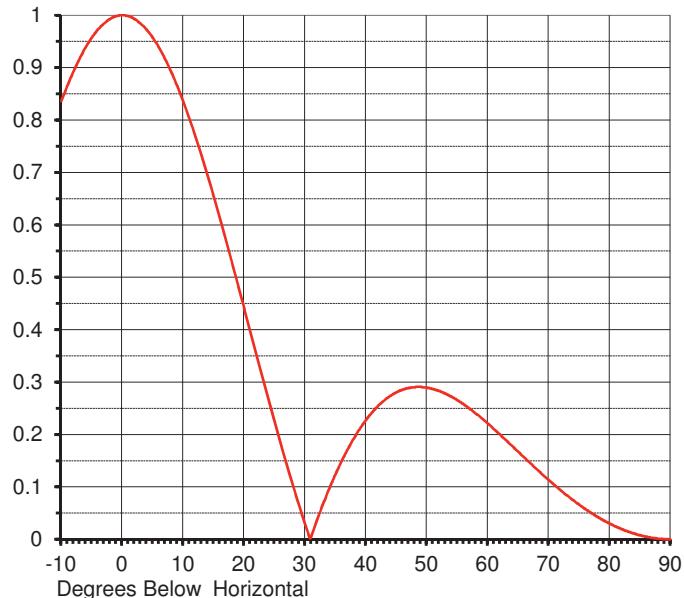
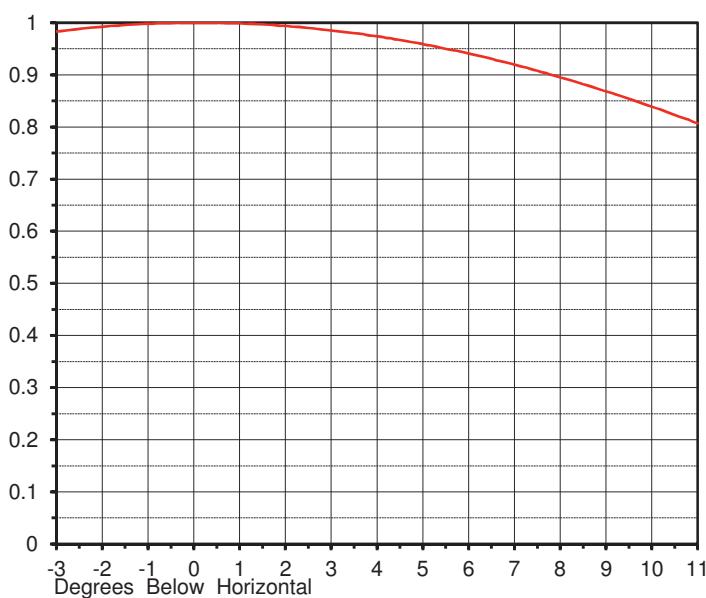
EXHIBIT C
ELEVATION PATTERN

Proposal No. **C-70925**
 Date **26-Jun-17**
 Call Letters **WWAT**
 Channel **29**
 Frequency **563 MHz**
 Antenna Type **TUL-C2 1/2 -K-1**

RMS Directivity at Main Lobe
 RMS Directivity at Horizontal

2.2 (3.42 dB)
2.2 (3.42 dB)
Calculated

Beam Tilt **0.00 deg**
 Pattern Number **01U022000**



Angle	Field								
-10.0	0.836	10.0	0.836	30.0	0.029	50.0	0.289	70.0	0.113
-9.0	0.866	11.0	0.804	31.0	0.005	51.0	0.287	71.0	0.103
-8.0	0.893	12.0	0.769	32.0	0.038	52.0	0.283	72.0	0.093
-7.0	0.917	13.0	0.733	33.0	0.069	53.0	0.278	73.0	0.084
-6.0	0.939	14.0	0.695	34.0	0.097	54.0	0.272	74.0	0.075
-5.0	0.957	15.0	0.655	35.0	0.124	55.0	0.265	75.0	0.066
-4.0	0.973	16.0	0.614	36.0	0.149	56.0	0.258	76.0	0.058
-3.0	0.984	17.0	0.572	37.0	0.172	57.0	0.249	77.0	0.050
-2.0	0.993	18.0	0.529	38.0	0.192	58.0	0.240	78.0	0.043
-1.0	0.998	19.0	0.485	39.0	0.211	59.0	0.231	79.0	0.036
0.0	1.000	20.0	0.441	40.0	0.228	60.0	0.221	80.0	0.030
1.0	0.998	21.0	0.397	41.0	0.242	61.0	0.210	81.0	0.024
2.0	0.993	22.0	0.353	42.0	0.255	62.0	0.200	82.0	0.019
3.0	0.984	23.0	0.309	43.0	0.265	63.0	0.189	83.0	0.015
4.0	0.973	24.0	0.266	44.0	0.274	64.0	0.178	84.0	0.011
5.0	0.957	25.0	0.224	45.0	0.280	65.0	0.167	85.0	0.008
6.0	0.939	26.0	0.183	46.0	0.285	66.0	0.156	86.0	0.005
7.0	0.917	27.0	0.142	47.0	0.289	67.0	0.145	87.0	0.003
8.0	0.893	28.0	0.103	48.0	0.290	68.0	0.134	88.0	0.001
9.0	0.866	29.0	0.065	49.0	0.291	69.0	0.123	89.0	0.000
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EXHIBIT D

POWER DENSITY CALCULATION

**PROPOSED WWAT-CD
CHANNEL 29 – CHARLEROI, PENNSYLVANIA**

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Charleroi facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 0.407 kW (H,V), an antenna radiation center 65 meters above ground, and the specific elevation pattern of the proposed Dielectric TUL-C2 1/2-K-1 antenna, maximum power density two meters above ground of 0.00033 mW/cm² is calculated to occur 55 meters from the base of the tower. Since this is less than 0.1 percent of the 0.37 mW/cm² reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 29 (560-566 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.