



**STATEMENT OF JOHN E. HIDLE, P.E.
IN SUPPORT OF A REQUEST FOR
SPECIAL TEMPORARY AUTHORIZATION
WTTE - COLUMBUS, OHIO
DTV - CH. 27 - 207.5 kW - 194 m HAAT**

Prepared for: COLUMBUS (WTTE-TV) LICENSEE, INC.

I am a Consulting Engineer, an employee in the firm of Carl T. Jones Corporation, with offices located in Springfield, Virginia. My education and experience are a matter of record with the Federal Communications Commission. I am a Licensed Professional Engineer in the Commonwealth of Virginia, No. 7418, and in New York State, No. 63418.

GENERAL

This office has been authorized by COLUMBUS (WTTE-TV) LICENSEE, INC., licensee of WTTE, channel 27, facility ID number 74137, licensed to Columbus, Ohio, to prepare this statement, FCC Form 2100, and the associated exhibits in support of a request for Special Temporary Authorization for a temporary post-auction facility to broadcast on its post-auction channel 27. The instant request is submitted because the permittee's authorized main post-auction antenna has not yet been installed. The tower crew that was scheduled to install the main antenna has been delayed on a previous job by severe weather conditions, and was unable to meet its obligation to install WTTE's main antenna in time to meet its Phase 2 transition deadline. The instant request proposes to commence broadcasting on its post-transition channel 27 by using the temporary interim facility as described herein. As is shown in Exhibit 2 the Noise Limited Contour (40.05 dBu) of the STA request is contained wholly within WTTE's CP Noise Limited Contour.

**STATEMENT OF JOHN E. HIDLE, P.E.
WTTE - Columbus, Ohio
PAGE 2**

DIRECTIONAL ANTENNA

The applicant has a standby antenna, a dielectric model TFU-8WB/VP-R C160, that is installed on the WTTE tower at a height Above Ground Level (AGL) 213.4 meters. See Exhibits 3, 4 & 5. It is proposed to use this available directional antenna until the contracted tower crew becomes available to install the new authorized main antenna, a Dielectric model TFU-26GBH/VP-R O8 elliptically polarized non-directional transmitting antenna with its center of radiation located at a height above ground of 290 meters, and a height above average terrain of 271 meters. Upon installation of the new main antenna WTTE will be able to begin its authorized operation at 1000 kW ERP.

PREDICTED COVERAGE CONTOURS

The predicted coverage contours for the instant request were calculated in accordance with the method described in Section 73.625(b) of the Rules, utilizing the appropriate F(50,90) propagation curves (47 CFR Section 73.699, Figure 9), proposed Effective Radiated Power, and antenna height above average terrain as determined for each profile radial. The average terrain on the eight cardinal radials from 3 kilometers to 16 kilometers from the site, was determined using the NED Three Second US Terrain Database as permitted in the FCC Rules. The antenna site elevation and coordinates were determined from FCC antenna registration data. Exhibit 1 shows the predicted Noise Limited (40.05 dBu) contour, and the principal community (48 dBu) contour. The 48 dBu contour completely encompasses the principal community of license, Columbus, Ohio.

**STATEMENT OF JOHN E. HIDLE, P.E.
WTTE - Columbus, Ohio
PAGE 3**

ALLOCATION CONSIDERATIONS

Post-Transition DTV Considerations

A study was performed, using the FCC's software, *tvstudy*, v. 2.2.5, to determine if the instant request for STA is predicted to cause prohibited interference to any post-auction DTV stations, construction permits, DTV allotments or Class A DTV stations. The study results, shown in Appendix B, indicate that the instant application for construction permit is predicted to cause no new interference exceeding 0.5% to the populations served by any post reassignment DTV station, construction permit, allotment or Class A DTV stations. (See Appendix B)

International DTV Considerations

The WTTE site is located 195.5 kilometers from the nearest point on the Canadian border, which is within coordination distance of Canadian border. The allocation study includes any relevant Canadian DTV facilities. The site is located beyond the coordination distance from the nearest point on the US/Mexican border.

BLANKETING AND INTERMODULATION INTERFERENCE

Other broadcast and non-broadcast facilities are either co-located with, or located within 10 km of the proposed WTTE site. The applicant does recognize its responsibility to remedy complaints of interference that might result from this proposal in accordance with applicable Rules.

STATEMENT OF JOHN E. HIDLE, P.E.

WTTE - Columbus, Ohio

PAGE 4

RADIO FREQUENCY IMPACT

The FCC's guidelines and procedures for evaluating environmental effects of radio frequency (RF) emissions are generally based on recommendations by the National Council on Radiation Protection and Measurements (NCRP) in NCRP Report No. 86 (1986) and by the American National Standards Institute and the Institute of Electrical and Electronic Engineers, LLC (IEEE) in ANSI/IEEE C95.1-1992 (IEEE C95.1-1991). The guidelines define a maximum permissible exposure (MPE) level for occupational or "controlled" situations, and for "uncontrolled" environments that apply in all other cases that might affect the general public. The FCC Office of Engineering and Technology's technical bulletin No. 65 entitled, "Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields" (Edition 97-01, August 1997), provides assistance to determine whether FCC-regulated transmitting facilities, operations or devices comply with guidelines for human exposure to radio frequency electromagnetic fields as adopted by the Commission in 1996. OET Bulletin No. 65 contains the technical information necessary to evaluate compliance with the FCC's policies and guidelines.

The Maximum Permitted Exposure (MPE) level for broadcast facilities that operate on a frequency between 30 MHZ and 300 MHZ is 200 microwatts per centimeter squared ($\mu\text{W}/\text{cm}^2$) for an "uncontrolled" environment, and is 1000 microwatts per centimeter squared ($\mu\text{W}/\text{cm}^2$) for a "controlled" environment. The MPE level for broadcast facilities that operate on a frequency between 300 MHZ and 1500 MHZ, primarily UHF TV stations, is determined for an "uncontrolled" environment by dividing the operating frequency in MHZ

STATEMENT OF JOHN E. HIDLE, P.E.

WTTE - Columbus, Ohio

PAGE 5

by 1.5, and is similarly determined for a "controlled" environment by dividing the operating frequency in MHZ by 0.3.

The predicted emissions of WTTE-STA must be considered, in addition to predicted emissions from any other proposed or existing stations at the site. For WTTE-STA, which will operate on television Channel 27 (548-554 MHZ), the MPE is 367.33 microwatts per centimeter squared ($\mu\text{W}/\text{cm}^2$) in an "uncontrolled" environment and 1,836.7 $\mu\text{W}/\text{cm}^2$ in a "controlled" environment. The proposed WTTE-STA facility will operate with a maximum ERP of 207.5 kW from an elliptically polarized directional transmitting antenna with a centerline height of 213.4 meters above ground level (AGL). Considering a vertical plane relative field factor of 0.200, based on the elevation pattern of the antenna, the WTTE-STA facility is predicted to produce a power density at two meters above ground level of 12.41 $\mu\text{W}/\text{cm}^2$. This represents only 3.38% of the FCC guideline value of 367.33 microwatts per centimeter squared ($\mu\text{W}/\text{cm}^2$) in an "uncontrolled" environment, and 0.676% of the FCC's guideline value for a "controlled" environment. Pursuant to § 1.1307(b)(3) of the FCC Rules, because the proposed facility will not exceed 5% of the uncontrolled and controlled exposure limit, the proposed facility's power density contribution is insignificant.

OCCUPATIONAL SAFETY

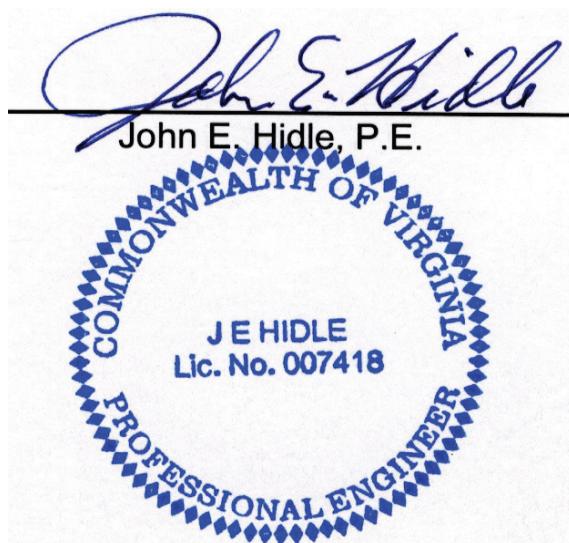
The licensee of WTTE is committed to the protection of station personnel and/or tower contractors working in the vicinity of the WTTE antenna, and is committed to reducing power or ceasing operation during times of maintenance of the transmission systems, when necessary, to ensure protection to personnel.

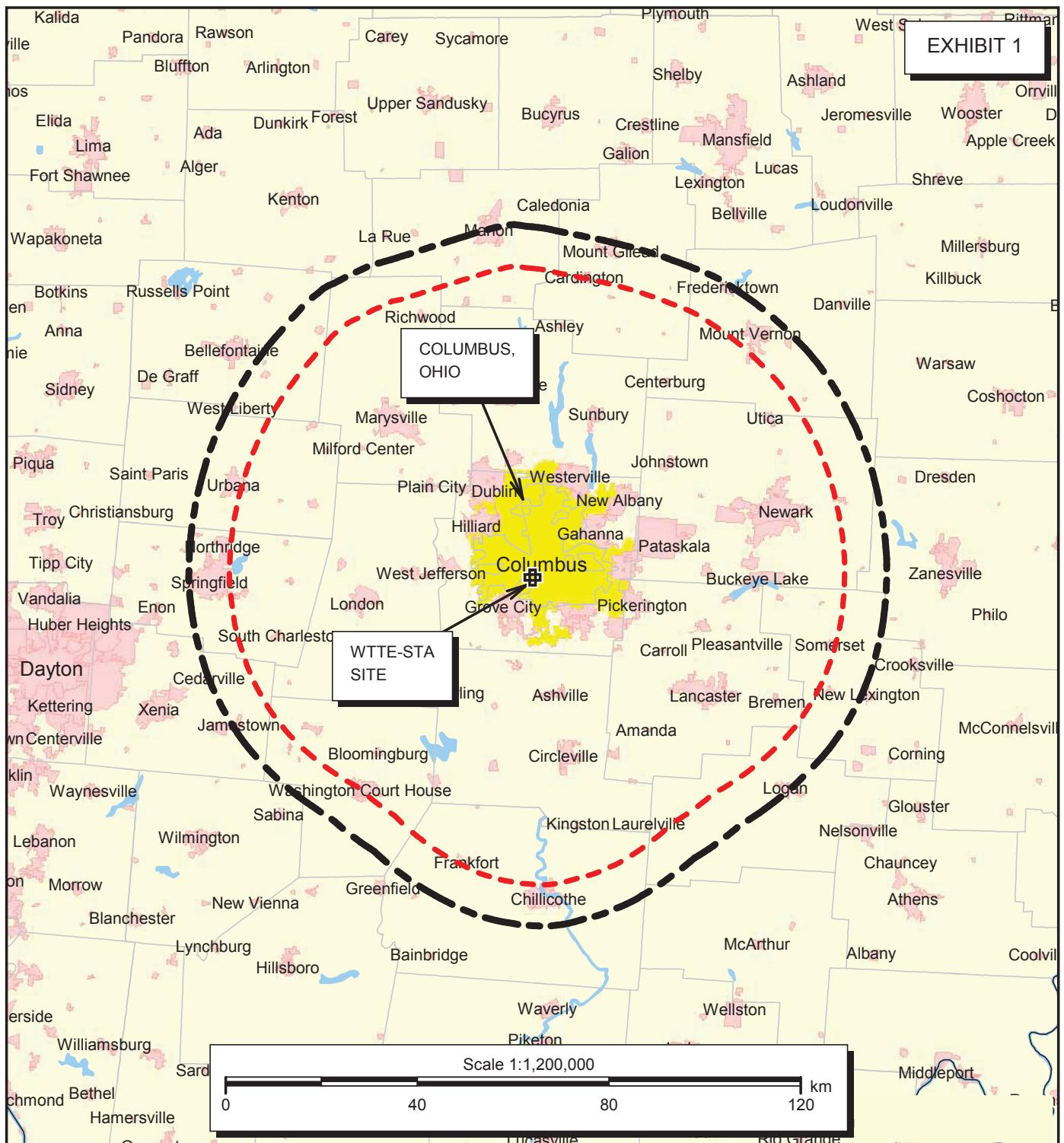
**STATEMENT OF JOHN E. HIDLE, P.E.
WTTE - Columbus, Ohio
PAGE 6**

SUMMARY

It is submitted that the instant request for STA, as described herein, complies with the Rules, Regulations and relevant Policies of the Federal Communications Commission. This statement, FCC Form 2100, and the attached exhibits were prepared by me or under my direct supervision and are believed to be true and correct to the best of my knowledge and belief.

DATED: April 11, 2019





PREDICTED COVERAGE CONTOURS

WTTE-STA - COLUMBUS, OHIO
DTV Channel 27 - 207.5 kW ERP - 194 M HAAT
APRIL, 2019

Predicted Noise Limited 40.05 dBu
F(50,90) Coverage Contour



Predicted Principal Community 48 dBu
F(50,90) Coverage Contour



Exhibit 2 - WTTE-D CH27 STA with DIE C160 Directional Antenna



WTTE-D.STA - 27

Freq: 551.0 MHz
Columbus, OH
0000034206
Latitude: 39-56-13.77 N
Long: 083-01-16.34 W
ERP: 207.50 kW
HAAT: 194.04
AMSL: 431.0 m
Elev: 217.6 m
Pattern: Directional
Study Date: 4/11/2019

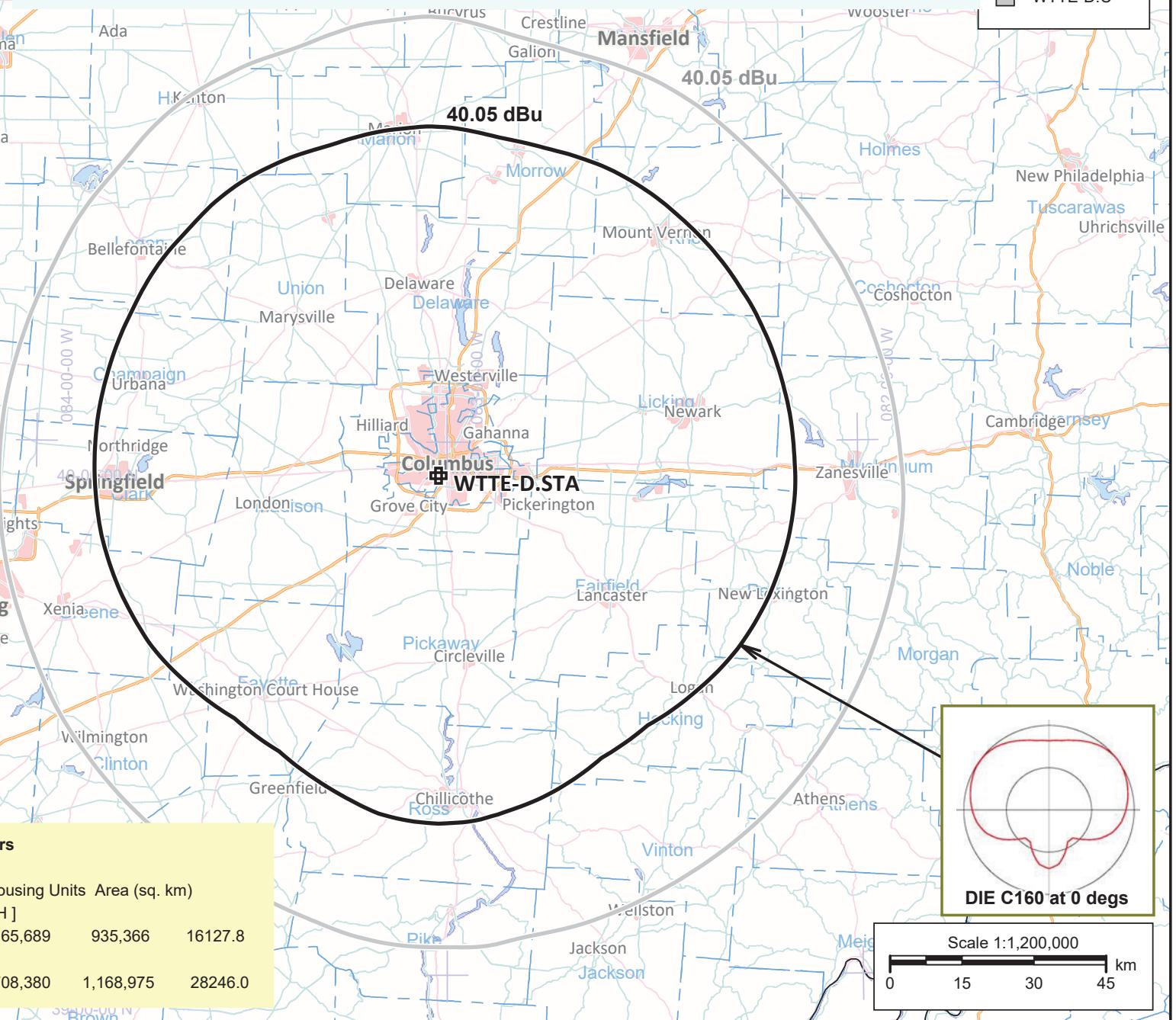
WTTE-D.C - 27

Freq: 551.0 MHz
Columbus, OH
0000034206
Latitude: 39-56-13.77 N
Long: 083-01-16.34 W
ERP: 1000.00 kW
HAAT: 271.0
AMSL: 507.6 m
Elev: 217.6 m
Pattern: Omni
Study Date: 4/11/2019

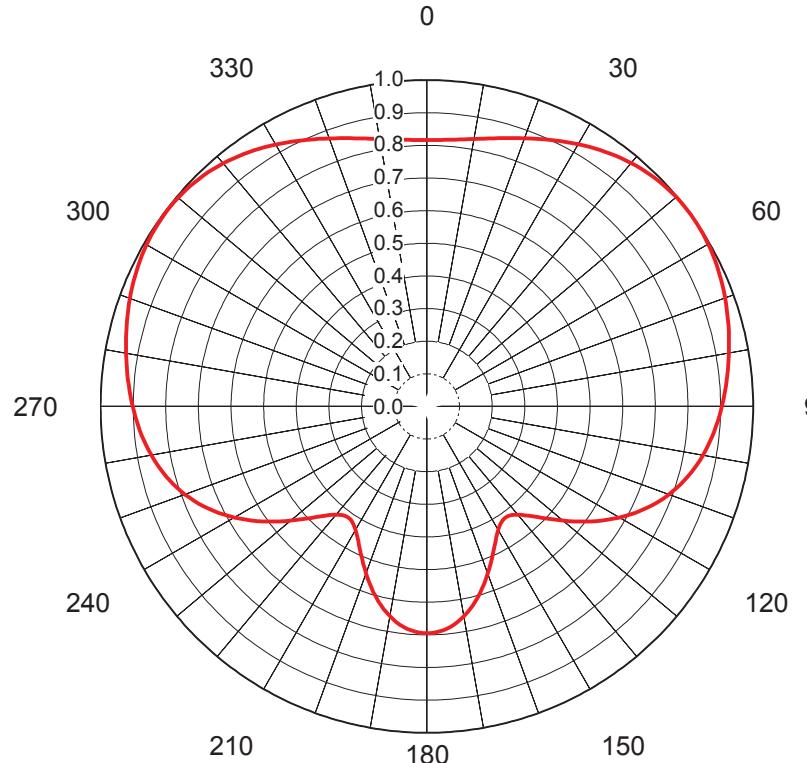
Population Report for All Contours

2010 US Census

	Population	Housing Units	Area (sq. km)
WTTE-D.STA (27) [Columbus, OH]	FCC F(50-90) 40.05 dBu	2,165,689	935,366
WTTE-D.C (27) [Columbus, OH]	FCC F(50-90) 40.05 dBu	2,708,380	1,168,975



Dielectric®



AZIMUTH PATTERN Horizontal Polarization

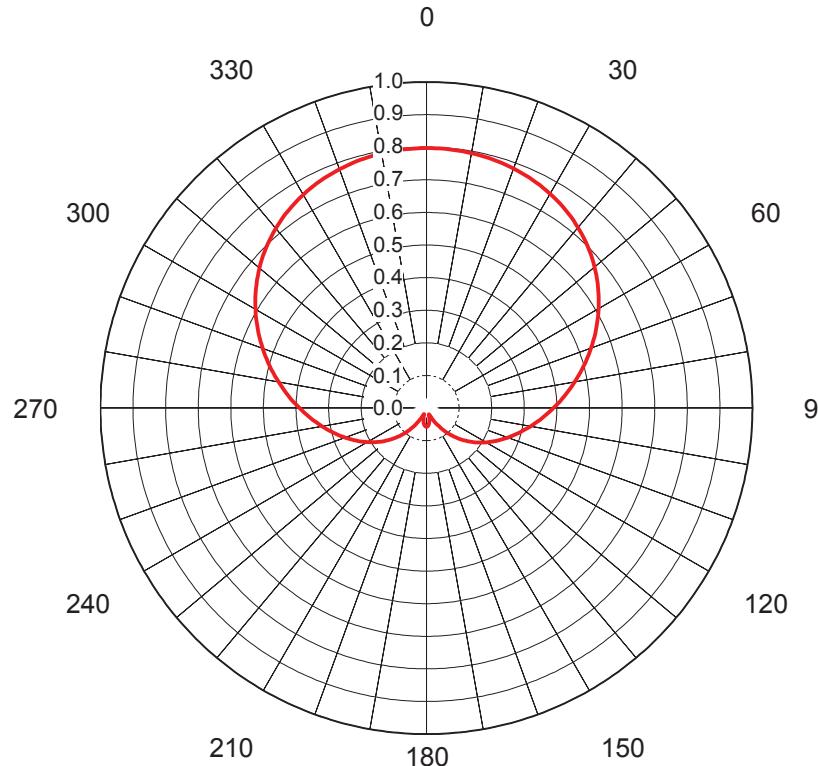
Proposal No. C-06522
 Date 8-Feb-17
 Call Letters WTTE STA
 Frequency 551 MHz
 Antenna Type TFU-8WB/VP-R C160

 Gain 1.54 (1.88dB)
 Calculated

 Directional Drawing # WB-C160H

Deg	Value																						
0	0.817	36	0.957	72	0.966	108	0.806	144	0.418	180	0.695	216	0.417	252	0.805	288	0.962	324	0.956				
1	0.817	37	0.962	73	0.963	109	0.798	145	0.417	181	0.695	217	0.419	253	0.813	289	0.965	325	0.951				
2	0.817	38	0.966	74	0.960	110	0.789	146	0.419	182	0.693	218	0.422	254	0.821	290	0.968	326	0.947				
3	0.818	39	0.970	75	0.957	111	0.780	147	0.421	183	0.691	219	0.427	255	0.828	291	0.971	327	0.942				
4	0.819	40	0.974	76	0.954	112	0.771	148	0.425	184	0.688	220	0.433	256	0.834	292	0.974	328	0.937				
5	0.821	41	0.977	77	0.950	113	0.761	149	0.431	185	0.684	221	0.440	257	0.841	293	0.977	329	0.932				
6	0.822	42	0.981	78	0.947	114	0.751	150	0.437	186	0.680	222	0.448	258	0.847	294	0.980	330	0.927				
7	0.824	43	0.984	79	0.943	115	0.740	151	0.445	187	0.674	223	0.458	259	0.852	295	0.982	331	0.922				
8	0.827	44	0.986	80	0.940	116	0.729	152	0.454	188	0.668	224	0.468	260	0.858	296	0.984	332	0.916				
9	0.829	45	0.989	81	0.937	117	0.718	153	0.464	189	0.661	225	0.480	261	0.863	297	0.986	333	0.911				
10	0.832	46	0.991	82	0.933	118	0.706	154	0.474	190	0.653	226	0.491	262	0.868	298	0.988	334	0.906				
11	0.836	47	0.993	83	0.930	119	0.694	155	0.485	191	0.644	227	0.504	263	0.873	299	0.990	335	0.900				
12	0.839	48	0.995	84	0.926	120	0.681	156	0.496	192	0.635	228	0.517	264	0.877	300	0.992	336	0.895				
13	0.843	49	0.997	85	0.923	121	0.668	157	0.508	193	0.625	229	0.530	265	0.882	301	0.993	337	0.890				
14	0.847	50	0.998	86	0.919	122	0.655	158	0.520	194	0.615	230	0.544	266	0.886	302	0.994	338	0.884				
15	0.851	51	0.999	87	0.915	123	0.642	159	0.533	195	0.604	231	0.558	267	0.890	303	0.995	339	0.879				
16	0.855	52	0.999	88	0.912	124	0.628	160	0.545	196	0.593	232	0.572	268	0.894	304	0.996	340	0.874				
17	0.860	53	1.000	89	0.908	125	0.614	161	0.557	197	0.581	233	0.586	269	0.898	305	0.997	341	0.869				
18	0.864	54	1.000	90	0.904	126	0.600	162	0.570	198	0.569	234	0.600	270	0.901	306	0.997	342	0.864				
19	0.869	55	1.000	91	0.900	127	0.586	163	0.582	199	0.557	235	0.614	271	0.905	307	0.997	343	0.860				
20	0.874	56	0.999	92	0.896	128	0.572	164	0.593	200	0.545	236	0.628	272	0.909	308	0.997	344	0.855				
21	0.879	57	0.999	93	0.892	129	0.558	165	0.604	201	0.532	237	0.642	273	0.912	309	0.996	345	0.851				
22	0.885	58	0.998	94	0.888	130	0.544	166	0.615	202	0.520	238	0.655	274	0.916	310	0.995	346	0.847				
23	0.890	59	0.997	95	0.884	131	0.531	167	0.626	203	0.508	239	0.668	275	0.919	311	0.994	347	0.843				
24	0.895	60	0.996	96	0.879	132	0.517	168	0.635	204	0.496	240	0.681	276	0.923	312	0.993	348	0.839				
25	0.901	61	0.994	97	0.875	133	0.504	169	0.644	205	0.485	241	0.693	277	0.926	313	0.991	349	0.836				
26	0.906	62	0.992	98	0.870	134	0.492	170	0.653	206	0.474	242	0.706	278	0.929	314	0.989	350	0.832				
27	0.912	63	0.990	99	0.865	135	0.480	171	0.661	207	0.463	243	0.717	279	0.933	315	0.987	351	0.829				
28	0.917	64	0.988	100	0.859	136	0.469	172	0.668	208	0.454	244	0.729	280	0.936	316	0.984	352	0.827				
29	0.922	65	0.986	101	0.854	137	0.458	173	0.674	209	0.445	245	0.740	281	0.940	317	0.982	353	0.824				
30	0.928	66	0.984	102	0.848	138	0.449	174	0.680	210	0.437	246	0.750	282	0.943	318	0.979	354	0.822				
31	0.933	67	0.981	103	0.842	139	0.440	175	0.684	211	0.430	247	0.761	283	0.946	319	0.975	355	0.821				
32	0.938	68	0.978	104	0.835	140	0.433	176	0.688	212	0.425	248	0.770	284	0.950	320	0.972	356	0.819				
33	0.943	69	0.975	105	0.828	141	0.427	177	0.691	213	0.421	249	0.780	285	0.953	321	0.968	357	0.818				
34	0.948	70	0.973	106	0.821	142	0.423	178	0.693	214	0.418	250	0.789	286	0.956	322	0.964	358	0.817				
35	0.953	71	0.970	107	0.814	143	0.419	179	0.695	215	0.417	251	0.797	287	0.959	323	0.960	359	0.817				

This document contains proprietary and confidential information of Dielectric. It is to be used solely for the purpose for which it is provided. No disclosure, reproduction, or use of this document or any part of it may be made without the written permission of Dielectric.



AZIMUTH PATTERN Vertical Polarization

Proposal No. **C-06522**
 Date **8-Feb-17**
 Call Letters **WTTE STA**
 Frequency **551 MHz**
 Antenna Type **TFU-8WB/VP-R C160**

 Gain **2.61 (4.17dB)**
 Calculated

 Directional Drawing # **WB C160V**

Deg	Value																		
0	0.797	36	0.739	72	0.522	108	0.276	144	0.077	180	0.058	216	0.074	252	0.277	288	0.520	324	0.735
1	0.797	37	0.735	73	0.515	109	0.271	145	0.072	181	0.058	217	0.079	253	0.283	289	0.527	325	0.739
2	0.797	38	0.731	74	0.507	110	0.265	146	0.066	182	0.057	218	0.085	254	0.288	290	0.534	326	0.743
3	0.797	39	0.727	75	0.500	111	0.260	147	0.061	183	0.057	219	0.091	255	0.294	291	0.542	327	0.746
4	0.797	40	0.723	76	0.492	112	0.254	148	0.056	184	0.056	220	0.096	256	0.300	292	0.549	328	0.750
5	0.797	41	0.719	77	0.484	113	0.249	149	0.051	185	0.055	221	0.102	257	0.306	293	0.556	329	0.753
6	0.796	42	0.714	78	0.477	114	0.243	150	0.046	186	0.054	222	0.108	258	0.312	294	0.564	330	0.756
7	0.796	43	0.710	79	0.469	115	0.238	151	0.041	187	0.053	223	0.113	259	0.318	295	0.571	331	0.759
8	0.795	44	0.705	80	0.462	116	0.232	152	0.037	188	0.051	224	0.119	260	0.325	296	0.578	332	0.762
9	0.795	45	0.700	81	0.454	117	0.227	153	0.033	189	0.049	225	0.125	261	0.331	297	0.585	333	0.764
10	0.794	46	0.695	82	0.447	118	0.221	154	0.029	190	0.047	226	0.130	262	0.337	298	0.592	334	0.767
11	0.793	47	0.689	83	0.440	119	0.216	155	0.026	191	0.045	227	0.136	263	0.343	299	0.599	335	0.769
12	0.792	48	0.684	84	0.432	120	0.211	156	0.023	192	0.043	228	0.142	264	0.350	300	0.606	336	0.772
13	0.791	49	0.679	85	0.425	121	0.205	157	0.021	193	0.040	229	0.147	265	0.356	301	0.612	337	0.774
14	0.790	50	0.673	86	0.418	122	0.200	158	0.021	194	0.038	230	0.153	266	0.363	302	0.619	338	0.776
15	0.789	51	0.667	87	0.411	123	0.194	159	0.021	195	0.035	231	0.159	267	0.370	303	0.626	339	0.778
16	0.788	52	0.661	88	0.404	124	0.189	160	0.022	196	0.032	232	0.164	268	0.376	304	0.632	340	0.780
17	0.786	53	0.655	89	0.397	125	0.183	161	0.024	197	0.030	233	0.170	269	0.383	305	0.638	341	0.781
18	0.785	54	0.649	90	0.390	126	0.178	162	0.026	198	0.027	234	0.176	270	0.390	306	0.645	342	0.783
19	0.783	55	0.643	91	0.383	127	0.172	163	0.029	199	0.025	235	0.181	271	0.397	307	0.651	343	0.785
20	0.782	56	0.636	92	0.376	128	0.167	164	0.031	200	0.022	236	0.187	272	0.404	308	0.657	344	0.786
21	0.780	57	0.630	93	0.369	129	0.161	165	0.034	201	0.021	237	0.192	273	0.411	309	0.663	345	0.788
22	0.778	58	0.623	94	0.362	130	0.156	166	0.037	202	0.020	238	0.198	274	0.418	310	0.668	346	0.789
23	0.776	59	0.616	95	0.356	131	0.150	167	0.039	203	0.020	239	0.204	275	0.425	311	0.674	347	0.790
24	0.774	60	0.610	96	0.349	132	0.145	168	0.042	204	0.021	240	0.209	276	0.432	312	0.680	348	0.791
25	0.772	61	0.603	97	0.343	133	0.139	169	0.044	205	0.023	241	0.215	277	0.439	313	0.685	349	0.792
26	0.769	62	0.596	98	0.336	134	0.133	170	0.046	206	0.026	242	0.220	278	0.446	314	0.690	350	0.793
27	0.767	63	0.589	99	0.330	135	0.128	171	0.048	207	0.030	243	0.226	279	0.453	315	0.695	351	0.794
28	0.764	64	0.581	100	0.324	136	0.122	172	0.050	208	0.034	244	0.231	280	0.461	316	0.700	352	0.794
29	0.762	65	0.574	101	0.318	137	0.116	173	0.052	209	0.038	245	0.237	281	0.468	317	0.705	353	0.795
30	0.759	66	0.567	102	0.312	138	0.111	174	0.053	210	0.043	246	0.243	282	0.475	318	0.710	354	0.796
31	0.756	67	0.560	103	0.306	139	0.105	175	0.055	211	0.048	247	0.248	283	0.483	319	0.715	355	0.796
32	0.753	68	0.552	104	0.300	140	0.099	176	0.056	212	0.053	248	0.254	284	0.490	320	0.719	356	0.797
33	0.750	69	0.545	105	0.294	141	0.094	177	0.057	213	0.058	249	0.259	285	0.498	321	0.723	357	0.797
34	0.746	70	0.537	106	0.288	142	0.088	178	0.057	214	0.063	250	0.265	286	0.505	322	0.727	358	0.797
35	0.743	71	0.530	107	0.282	143	0.083	179	0.058	215	0.068	251	0.271	287	0.512	323	0.731	359	0.797

This document contains proprietary and confidential information of Dielectric. It is to be used solely for the purpose for which it is provided. No disclosure, reproduction, or use of this document or any part of it may be made without the written permission of Dielectric.

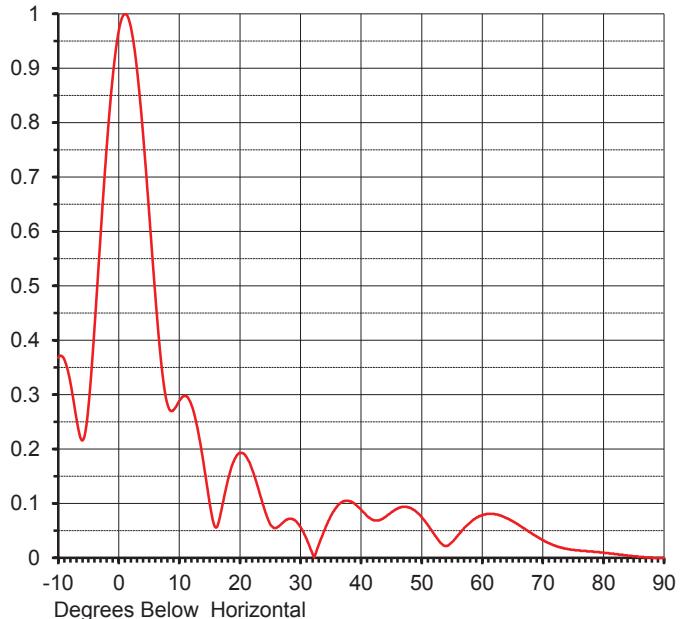
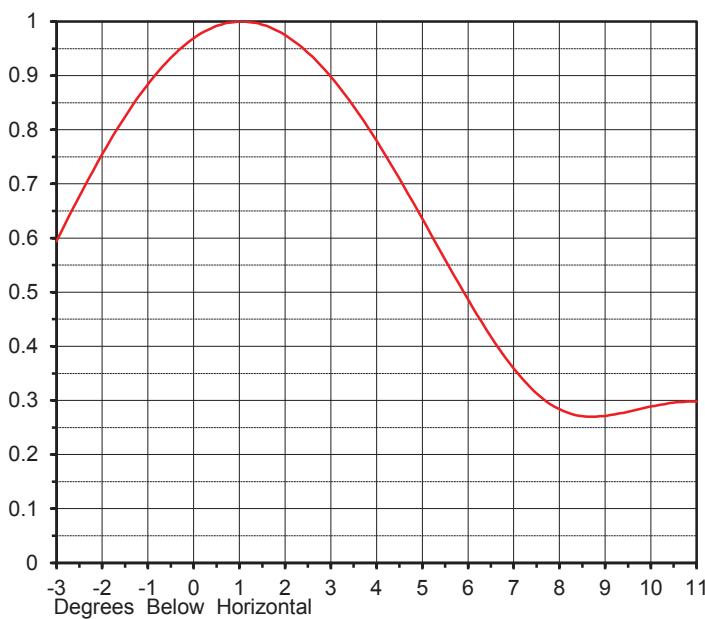
ELEVATION PATTERN

Proposal No. **C-06522**
 Date **8-Feb-17**
 Call Letters **WTTE STA**
 Frequency **551 MHz**
 Antenna Type **TFU-8WB/VP-R C160**

RMS Directivity at Main Lobe
 RMS Directivity at Horizontal

7.84 (8.94 dB)
7.40 (8.69 dB)
Calculated

Beam Tilt **1.05 deg**
 Drawing Number **08W078105**



Angle	Field								
-10.0	0.368	10.0	0.289	30.0	0.057	50.0	0.075	70.0	0.033
-9.0	0.365	11.0	0.298	31.0	0.035	51.0	0.061	71.0	0.027
-8.0	0.323	12.0	0.281	32.0	0.007	52.0	0.045	72.0	0.023
-7.0	0.257	13.0	0.238	33.0	0.024	53.0	0.029	73.0	0.019
-6.0	0.216	14.0	0.174	34.0	0.052	54.0	0.022	74.0	0.017
-5.0	0.279	15.0	0.101	35.0	0.077	55.0	0.029	75.0	0.015
-4.0	0.425	16.0	0.056	36.0	0.094	56.0	0.042	76.0	0.014
-3.0	0.594	17.0	0.091	37.0	0.104	57.0	0.055	77.0	0.013
-2.0	0.755	18.0	0.143	38.0	0.105	58.0	0.065	78.0	0.012
-1.0	0.884	19.0	0.178	39.0	0.099	59.0	0.074	79.0	0.011
0.0	0.969	20.0	0.193	40.0	0.089	60.0	0.079	80.0	0.010
1.0	1.000	21.0	0.187	41.0	0.077	61.0	0.081	81.0	0.008
2.0	0.975	22.0	0.163	42.0	0.070	62.0	0.081	82.0	0.007
3.0	0.898	23.0	0.129	43.0	0.069	63.0	0.078	83.0	0.006
4.0	0.780	24.0	0.091	44.0	0.075	64.0	0.073	84.0	0.004
5.0	0.636	25.0	0.062	45.0	0.084	65.0	0.068	85.0	0.003
6.0	0.487	26.0	0.055	46.0	0.091	66.0	0.061	86.0	0.002
7.0	0.359	27.0	0.064	47.0	0.094	67.0	0.054	87.0	0.001
8.0	0.284	28.0	0.072	48.0	0.092	68.0	0.046	88.0	0.001
9.0	0.271	29.0	0.070	49.0	0.086	69.0	0.039	89.0	0.000

This document contains proprietary and confidential information of Dielectric. It is to be used solely for the purpose for which it is provided.
 No disclosure, reproduction, or use of this document or any part of it may be made without the written permission of Dielectric.



ENVIRONMENTAL AND RADIO FREQUENCY SAFETY

The licensee of WTTE is committed to the protection of station personnel and/or tower contractors working in the vicinity of the WTTE antenna, and is committed to reducing power or ceasing operation during times of maintenance of the transmission systems, when necessary, to ensure protection to personnel.

The predicted emissions of WTTE-STA must be considered, in addition to predicted emissions from any other proposed or existing stations at the site. For WTTE-STA, which will operate on television Channel 27 (548-554 MHZ), the MPE is 367.33 microwatts per centimeter squared ($\mu\text{W}/\text{cm}^2$) in an "uncontrolled" environment and 1,836.7 $\mu\text{W}/\text{cm}^2$ in a "controlled" environment. The proposed WTTE-STA facility will operate with a maximum ERP of 207.5 kW from an elliptically polarized directional transmitting antenna with a centerline height of 213.4 meters above ground level (AGL). Considering a vertical plane relative field factor of 0.200, based on the elevation pattern of the antenna, the WTTE-STA facility is predicted to produce a power density at two meters above ground level of 12.41 $\mu\text{W}/\text{cm}^2$. This represents only 3.38% of the FCC guideline value of 367.33 microwatts per centimeter squared ($\mu\text{W}/\text{cm}^2$) in an "uncontrolled" environment, and 0.676% of the FCC's guideline value for a "controlled" environment. Pursuant to § 1.1307(b)(3) of the FCC Rules, because the proposed facility will not exceed 5% of the uncontrolled and controlled exposure limit, the proposed facility's power density contribution is insignificant.



WTTE - COLUMBUS, OHIO

APPENDIX B

Longley-Rice Interference Analysis

April 2019

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: WTTE 27 STA 431C 194H 208K #4196, Model: Longley-Rice
Start: 2019.04.11 11:09:57

Study created: 2019.04.11 11:09:57

Study build station data: LMS TV 2019-04-11

Proposal: WTTE D27 DT CP COLUMBUS, OH
File number: WTTE 27 STA 431C 194H 208K
Facility ID: 74137
Station data: User record
Record ID: 977
Country: U.S.
Zone: I

Search options:

Non-U.S. records included

Baseline record excluded if station has CB

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	WCPO-TV	D26	DT	CP	CINCINNATI, OH	BLANK0000034668	155.6 km
No	WUPW	D26	DT	CP	TOLEDO, OH	BLANK0000034234	194.4
Yes	WTTV	D27	DT	CP	BLOOMINGTON, IN	BLANK0000034516	273.9
Yes	WNDU-TV	D27	DT	CP	SOUTH BEND, IN	BLANK0000025267	326.4
Yes	WTVO-DT	D27	DT	CP	LEXINGTON, KY	BLANK0000026675	242.5
No	WADL	D27	DT	CP	MOUNT CLEMENS, MI	BLANK0000027047	291.1
Yes	W16DO-D	D27	DC	CP	CLEVELAND, OH	BLANK0000034701	195.8
Yes	WQLN	D27	DT	CP	ERIE, PA	BLANK0000026514	340.9
Yes	WTAE-TV	D27	DT	LIC	PITTSBURGH, PA	BLANK0000059152	276.2
Yes	WPXR-TV	D27	DT	APP	ROANOKE, VA	BLANK0000068237	393.5
Yes	WPXR-TV	D27	DT	CP	ROANOKE, VA	BLANK0000034915	393.6
No	WIPX-TV	D28	DT	CP	BLOOMINGTON, IN	BLANK0000034351	273.9
No	WLEX-TV	D28	DT	CP	LEXINGTON, KY	BLANK0000028121	242.5
No	WSYX	D28	DT	CP	COLUMBUS, OH	BLANK0000027371	0.0

Non-directional AM stations within 0.8 km:

WYTS 1230 L ND1 U COLUMBUS, OH BL

WRFD 880 L NDD C COLUMBUS-WASHINGTON, OH BL19970918AF

WRFD 880 L NDD D COLUMBUS-WASHINGTON, OH BL19970918AF

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D27
Latitude: 39 56 14.00 N (NAD83)
Longitude: 83 1 16.00 W
Height AMSL: 431.0 m
HAAT: 194.0 m
Peak ERP: 208 kW
Antenna: DIE TFU 8WB C160 0.0 deg
Elev Pattrn: Generic
Elec Tilt: 1.05

Appendix B - Interference Analysis
WTTE - Columbus, Ohio
Channel 27 - 207.5 kW - Page 2

40.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	139 kW	200.6 m	73.4 km
45.0	202	184.2	74.2
90.0	170	195.9	74.1
135.0	49.6	205.2	68.6
180.0	100	219.0	73.2
225.0	49.6	174.8	66.4
270.0	169	165.9	71.8
315.0	201	177.0	73.6

Database HAAT does not agree with computed HAAT

Database HAAT: 194 m Computed HAAT: 190 m

**Proposal is within coordination distance of Canadian border

Distance to Canadian border: 195.5 km

Distance to Mexican border: 2008.0 km

Conditions at FCC monitoring station: Allegan MI

Bearing: 321.4 degrees Distance: 384.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 277.9 degrees Distance: 1884.6 km

Study cell size: 2.00 km

Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%

Maximum new IX to LPTV: 2.00%

Interference to BLANK0000034668 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WCPO-TV	D26	DT	CP	CINCINNATI, OH	BLANK0000034668	
Undesireds:	WTTE	D27	DT	BL	COLUMBUS, OH	DTVBL74137	155.6 km
	WTTE	D27	DT	CP	COLUMBUS, OH	WTTE 27 STA 431C 194H	155.6
	WRTV	D25	DT	LIC	INDIANAPOLIS, IN	BLCDT20090623ACJ	169.4
	WUPX-TV	D25	DT	CP	RICHMOND, KY	BLANK0000064267	149.4
	WFIE	D26	DT	CP	EVANSVILLE, IN	BLANK0000034157	296.5
	WUPW	D26	DT	CP	TOLEDO, OH	BLANK0000034234	295.1
	WATE-TV	D26	DT	LIC	KNOXVILLE, TN	BMLCDT20041203AEG	350.4
	WTTV	D27	DT	CP	BLOOMINGTON, IN	BLANK0000034516	145.3
	WTVO-DT	D27	DT	CP	LEXINGTON, KY	BLANK0000026675	121.6
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
30452.4	3,330,885	30003.3	3,313,654	29073.9	3,281,946	29145.4	3,282,978
Undesired		Total IX		Unique IX, before	Unique IX, after		
WTTE D27 DT BL		71.5	1,032	71.5	1,032		
WTTE D27 DT CP		0.0	0			0.0	0
WRTV D25 DT LIC		4.0	58	0.0	0	0.0	0
WUPX-TV D25 DT CP		15.8	130	0.0	0	0.0	0
WFIE D26 DT CP		51.9	948	20.1	585	20.1	585
WUPW D26 DT CP		4.0	377	4.0	377	4.0	377
WATE-TV D26 DT LIC		67.5	992	8.1	226	8.1	226
WTTV D27 DT CP		381.6	17,489	377.6	17,431	377.6	17,431
WTVO-DT D27 DT CP		436.0	11,888	384.6	11,233	384.6	11,233

Interference to BLANK0000034516 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WTTV	D27	DT	CP	BLOOMINGTON, IN	BLANK0000034516	

Appendix B - Interference Analysis
WTTE - Columbus, Ohio
Channel 27 - 207.5 kW - Page 3

Undesireds:	WTTE	D27	DT	BL	COLUMBUS, OH	DTVBL74137	273.9 km
	WTTE	D27	DT	CP	COLUMBUS, OH	WTTE 27 STA 431C 194H	273.9
	WCPO-TV	D26	DT	CP	CINCINNATI, OH	BLANK0000034668	145.3
	WNDU-TV	D27	DT	CP	SOUTH BEND, IN	BLANK0000025267	244.4
	WTVQ-DT	D27	DT	CP	LEXINGTON, KY	BLANK0000026675	215.5
	WIPX-TV	D28	DT	CP	BLOOMINGTON, IN	BLANK0000034351	0.5
Service area							
27352.0	2,522,077	27220.1	2,518,133	26714.9	2,482,926	26778.8	2,484,558
Percent New IX	-0.24	-0.07					

Undesired		Total IX	Unique IX, before	Unique IX, after
WTTE D27 DT BL	116.0	2,105	63.9	1,632
WTTE D27 DT CP	24.2	291		0.0
WCPO-TV D26 DT CP	4.0	146	4.0	4.0
WNDU-TV D27 DT CP	285.3	28,590	237.3	28,084
WTVQ-DT D27 DT CP	60.1	774	32.0	602
WIPX-TV D28 DT CP	120.0	4,270	112.0	4,236

Interference to BLANK0000025267 CP scenario 1

Desired:	Call WNDU-TV	Chan D27	Svc DT	Status CP	City, State SOUTH BEND, IN	File Number BLANK0000025267	Distance
Undesireds:	WTTE	D27	DT	BL	COLUMBUS, OH	DTVBL74137	326.4 km
	WTTE	D27	DT	CP	COLUMBUS, OH	WTTE 27 STA 431C 194H	326.4
	WPVN-CD	D26	DC	CP	CHICAGO, IL	BLANK0000031140	121.4
	W40CN-D	D27	DC	CP	SUGAR GROVE, IL	BLANK0000034531	147.2
	WTTV	D27	DT	CP	BLOOMINGTON, IN	BLANK0000034516	244.4
	WADL	D27	DT	CP	MOUNT CLEMENS, MI	BLANK0000027047	293.9
	WVTW	D27	DT	CP	MILWAUKEE, WI	BLANK0000034387	216.2
	WIWU-CD	D28	DC	CP	MARION, IN	BLANK0000033170	119.8
Service area							
29014.9	1,863,764	28919.0	1,835,398	28159.1	1,771,520	28159.1	1,771,520
Percent New IX	0.00	0.00					

Undesired		Total IX	Unique IX, before	Unique IX, after
WTTE D27 DT BL	8.1	127	0.0	0
WTTE D27 DT CP	0.0	0		0.0
WPVN-CD D26 DC CP	4.0	0	0.0	0.0
W40CN-D D27 DC CP	209.1	33,129	124.5	0
WTTV D27 DT CP	370.7	18,111	251.0	7,333
WADL D27 DT CP	12.0	1,412	4.0	277
WVTW D27 DT CP	268.8	45,932	152.2	10,757
WIWU-CD D28 DC CP	111.6	10,333	19.9	469

Interference to BLANK0000026675 CP scenario 1

Desired:	Call WTVQ-DT	Chan D27	Svc DT	Status CP	City, State LEXINGTON, KY	File Number BLANK0000026675	Distance
Undesireds:	WTTE	D27	DT	BL	COLUMBUS, OH	DTVBL74137	242.5 km
	WTTE	D27	DT	CP	COLUMBUS, OH	WTTE 27 STA 431C 194H	242.5
	WCPO-TV	D26	DT	CP	CINCINNATI, OH	BLANK0000034668	121.6
	WTTV	D27	DT	CP	BLOOMINGTON, IN	BLANK0000034516	215.5
	WJW	D27	DD	APP	CANTON, NC	BLANK0000036076	304.3
	WKRN-TV	D27	DT	LIC	NASHVILLE, TN	BLCDT20090624ABO	309.0
	WPXR-TV	D27	DT	APP	ROANOKE, VA	BLANK0000068237	385.0
Service area							
22188.0	989,786	21662.1	983,552	21302.6	977,493	21434.6	979,039
Percent New IX	-0.62	-0.16					
Undesired		Total IX	Unique IX, before	Unique IX, after			
WTTE D27 DT BL	196.1	3,751	136.0	1,546			
WTTE D27 DT CP	8.0	26		4.0	0		
WCPO-TV D26 DT CP	48.2	1,987	8.0	223	36.1	1,711	

Appendix B - Interference Analysis
WTTE - Columbus, Ohio
Channel 27 - 207.5 kW - Page 4

WTTV D27 DT CP	63.9	684	23.9	348	35.9	375
WUNW D27 DD APP	8.0	456	0.0	0	4.0	23
WKRN-TV D27 DT LIC	131.5	2,102	115.6	1,662	115.6	1,662

Interference to BLANK0000026675 CP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WTVQ-DT	D27	DT	CP	LEXINGTON, KY	BLANK0000026675	
Undesireds:	WTTE	D27	DT	BL	COLUMBUS, OH	DTVBL74137	242.5 km
	WTTE	D27	DT	CP	COLUMBUS, OH	WTTE 27 STA 431C 194H	242.5
	WCPO-TV	D26	DT	CP	CINCINNATI, OH	BLANK0000034668	121.6
	WTTV	D27	DT	CP	BLOOMINGTON, IN	BLANK0000034516	215.5
	WUNW	D27	DT	CP	CANTON, NC	BLANK0000035959	304.3
	WKRN-TV	D27	DT	LIC	NASHVILLE, TN	BLCDT20090624ABO	309.0
	WPXR-TV	D27	DT	APP	ROANOKE, VA	BLANK0000068237	385.0
Service area							
22188.0	989,786	21662.1	983,552	21302.6	977,493	21434.6	979,039
						Percent New IX	
						-0.62	-0.16
Undesired				Total IX	Unique IX, before	Unique IX, after	
WTTE D27 DT BL		196.1		3,751	136.0	1,546	
WTTE D27 DT CP		8.0		26		4.0	0
WCPO-TV D26 DT CP		48.2		1,987	8.0	223	36.1
WTTV D27 DT CP		63.9		684	23.9	348	35.9
WUNW D27 DT CP		8.0		456	0.0	0	4.0
WKRN-TV D27 DT LIC		131.5		2,102	115.6	1,662	115.6
							1,662

Interference to BLANK0000026675 CP scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WTVQ-DT	D27	DT	CP	LEXINGTON, KY	BLANK0000026675	
Undesireds:	WTTE	D27	DT	BL	COLUMBUS, OH	DTVBL74137	242.5 km
	WTTE	D27	DT	CP	COLUMBUS, OH	WTTE 27 STA 431C 194H	242.5
	WCPO-TV	D26	DT	CP	CINCINNATI, OH	BLANK0000034668	121.6
	WTTV	D27	DT	CP	BLOOMINGTON, IN	BLANK0000034516	215.5
	WUNW	D27	DT	LIC	CANTON, NC	BLEDT20110921AAA	304.3
	WKRN-TV	D27	DT	LIC	NASHVILLE, TN	BLCDT20090624ABO	309.0
	WPXR-TV	D27	DT	APP	ROANOKE, VA	BLANK0000068237	385.0
Service area				Terrain-limited	IX-free, before	IX-free, after	
22188.0	989,786	21662.1	983,552	21302.6	977,493	21434.6	979,039
						Percent New IX	
						-0.62	-0.16
Undesired				Total IX	Unique IX, before	Unique IX, after	
WTTE D27 DT BL		196.1		3,751	136.0	1,546	
WTTE D27 DT CP		8.0		26		4.0	0
WCPO-TV D26 DT CP		48.2		1,987	8.0	223	36.1
WTTV D27 DT CP		63.9		684	23.9	348	35.9
WUNW D27 DT LIC		8.0		456	0.0	0	4.0
WKRN-TV D27 DT LIC		131.5		2,102	115.6	1,662	115.6
							1,662

Interference to BLANK0000034701 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W16DO-D	D27	DC	CP	CLEVELAND, OH	BLANK0000034701	
Undesireds:	WTTE	D27	DT	BL	COLUMBUS, OH	DTVBL74137	195.8 km
	WTTE	D27	DT	CP	COLUMBUS, OH	WTTE 27 STA 431C 194H	195.8
	WQLN	D27	DT	CP	ERIE, PA	BLANK0000026514	153.8
	WTAE-TV	D27	DT	LIC	PITTSBURGH, PA	BLANK0000059152	200.9
Service area				Terrain-limited	IX-free, before	IX-free, after	
7453.7	2,617,884	7316.4	2,606,083	7009.9	2,568,319	7037.9	2,577,317
						Percent New IX	
						-0.40	-0.35

Appendix B - Interference Analysis
WTTE - Columbus, Ohio
Channel 27 - 207.5 kW - Page 5

Undesired	Total IX	Unique IX, before	Unique IX, after
WTTE D27 DT BL	72.3	15,031	32.0 9,503
WTTE D27 DT CP	4.0	505	4.0 505
WQLN D27 DT CP	254.4	25,970	173.6 19,086 189.7 21,723
WTAE-TV D27 DT LIC	84.8	6,538	20.2 2,291 20.2 2,291

Interference to BLANK0000026514 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WQLN	D27	DT	CP	ERIE, PA	BLANK0000026514	
Undesireds:	WTTE	D27	DT	BL	COLUMBUS, OH	DTVBL74137	340.9 km
	WTTE	D27	DT	CP	COLUMBUS, OH	WTTE 27 STA 431C 194H	340.9
	WFXP	D26	DT	CP	ERIE, PA	BLANK0000028342	0.4
	W16DO-D	D27	DC	CP	CLEVELAND, OH	BLANK0000034701	153.8
	WTAE-TV	D27	DT	LIC	PITTSBURGH, PA	BLANK0000059152	197.1
	WJET-TV	D28	DT	CP	ERIE, PA	BLANK0000029987	0.4
	CIII-DT-27D27	DT	LIC		PETERBOROUGH, ON	BLANKCANADA213	274.2
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
15245.6	602,232	14800.3	577,633	14325.1	562,385	14325.1	562,385
2920.4	2,629	2920.4	2,629	2920.4	2,629	2920.4	2,629
Canada)							(in

Undesired	Total IX	Unique IX, before	Unique IX, after
WTTE D27 DT BL	4.0	227	0.0 0
WTTE D27 DT CP	0.0	0	0.0 0
WFXP D26 DT CP	12.1	193	0.0 0
W16DO-D D27 DC CP	84.6	6,108	36.3 409 36.3 409
WTAE-TV D27 DT LIC	354.5	12,165	302.2 6,272 302.2 6,272
WJET-TV D28 DT CP	96.5	3,161	68.3 2,435 68.3 2,435
CIII-DT-27 D27 DT LIC	4.0	46	0.0 0 0.0 0

Interference to BLANK0000059152 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WTAE-TV	D27	DT	LIC	PITTSBURGH, PA	BLANK0000059152	
Undesireds:	WTTE	D27	DT	BL	COLUMBUS, OH	DTVBL74137	276.2 km
	WTTE	D27	DT	CP	COLUMBUS, OH	WTTE 27 STA 431C 194H	276.2
	WGPT	D26	DT	CP	OAKLAND, MD	BLANK0000034106	106.7
	WOSC-CD	D26	DC	CP	PITTSBURGH, PA	BLANK0000029678	22.9
	WMAR-TV	D27	DT	CP	BALTIMORE, MD	BLANK0000026796	288.9
	W16DO-D	D27	DC	CP	CLEVELAND, OH	BLANK0000034701	200.9
	WQLN	D27	DT	CP	ERIE, PA	BLANK0000026514	197.1
	WPXR-TV	D27	DT	APP	ROANOKE, VA	BLANK0000068237	343.8
	WPCB-TV	D28	DT	CP	GREENSBURG, PA	BLANK0000034177	12.6
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
23955.1	2,995,755	22231.3	2,860,979	21447.3	2,792,741	21559.8	2,796,121
Undesired							-0.52 -0.12
WTTE D27 DT BL	200.3	7,503	120.5	3,520			
WTTE D27 DT CP	48.0	2,701			8.0	140	
WGPT D26 DT CP	28.0	332	19.9	238	19.9	238	
WOSC-CD D26 DC CP	16.1	4,311	12.1	2,280	12.1	2,280	
WMAR-TV D27 DT CP	76.6	1,987	60.4	1,487	60.4	1,487	
W16DO-D D27 DC CP	24.0	2,850	4.0	379	4.0	379	
WQLN D27 DT CP	279.2	13,221	203.3	11,125	219.2	11,377	
WPXR-TV D27 DT APP	19.8	400	7.9	202	11.9	243	
WPCB-TV D28 DT CP	283.9	45,568	247.9	42,196	251.9	42,683	

Interference to BLANK0000059152 LIC scenario 2

Call	Chan	Svc	Status	City, State	File Number	Distance
------	------	-----	--------	-------------	-------------	----------

Appendix B - Interference Analysis
WTTE - Columbus, Ohio
Channel 27 - 207.5 kW - Page 6

Desired:	WTAE-TV	D27	DT	LIC	PITTSBURGH, PA	BLANK0000059152	
Undesireds:	WTTE	D27	DT	BL	COLUMBUS, OH	DTVBL74137	
	WTTE	D27	DT	CP	COLUMBUS, OH	WTTE 27 STA 431C 194H	
	WGPT	D26	DT	CP	OAKLAND, MD	BLANK0000034106	
	WOSC-CD	D26	DC	CP	PITTSBURGH, PA	BLANK0000029678	
	WMAR-TV	D27	DT	CP	BALTIMORE, MD	BLANK0000026796	
	W16DO-D	D27	DC	CP	CLEVELAND, OH	BLANK0000034701	
	WQLN	D27	DT	CP	ERIE, PA	BLANK0000026514	
	WPXR-TV	D27	DT	CP	ROANOKE, VA	BLANK0000034915	
	WPCB-TV	D28	DT	CP	GREENSBURG, PA	BLANK0000034177	
Service area	23955.1	2,995,755	22231.3	2,860,979	IX-free, before 21451.3 2,792,916	IX-free, after 21563.8 2,796,296	Percent New IX -0.52 -0.12
Undesired				Total IX	Unique IX, before	Unique IX, after	
WTTE D27 DT BL			200.3	7,503	116.5 3,387	4.0 7	
WTTE D27 DT CP			48.0	2,701			
WGPT D26 DT CP			28.0	332	19.9 238	19.9 238	
WOSC-CD D26 DC CP			16.1	4,311	12.1 2,280	12.1 2,280	
WMAR-TV D27 DT CP			76.6	1,987	60.4 1,487	60.4 1,487	
W16DO-D D27 DC CP			24.0	2,850	4.0 379	4.0 379	
WQLN D27 DT CP			279.2	13,221	203.3 11,125	219.2 11,377	
WPXR-TV D27 DT CP			15.9	356	4.0 27	7.9 68	
WPCB-TV D28 DT CP			283.9	45,568	247.9 42,196	251.9 42,683	

Interference to BLANK0000059152 LIC scenario 3

Desired:	WTAE-TV	Call Chan Svc Status	City, State	File Number	Distance	
		D27 DT LIC	PITTSBURGH, PA	BLANK0000059152		
Undesireds:	WTTE	D27 DT BL	COLUMBUS, OH	DTVBL74137	276.2 km	
	WTTE	D27 DT CP	COLUMBUS, OH	WTTE 27 STA 431C 194H	276.2	
	WGPT	D26 DT CP	OAKLAND, MD	BLANK0000034106	106.7	
	WMAR-TV	D27 DT CP	BALTIMORE, MD	BLANK0000026796	288.9	
	W16DO-D	D27 DC CP	CLEVELAND, OH	BLANK0000034701	200.9	
	WQLN	D27 DT CP	ERIE, PA	BLANK0000026514	197.1	
	WPXR-TV	D27 DT APP	ROANOKE, VA	BLANK0000068237	343.8	
	WPCB-TV	D28 DT CP	GREENSBURG, PA	BLANK0000034177	12.6	
Service area	23955.1	2,995,755	22231.3 2,860,979	IX-free, before 21459.4 2,795,021	IX-free, after 21571.9 2,798,401	Percent New IX -0.52 -0.12
Undesired			Total IX	Unique IX, before	Unique IX, after	
WTTE D27 DT BL		200.3	7,503	120.5 3,520	8.0 140	
WTTE D27 DT CP		48.0	2,701			
WGPT D26 DT CP		28.0	332	19.9 238	19.9 238	
WMAR-TV D27 DT CP		76.6	1,987	60.4 1,487	60.4 1,487	
W16DO-D D27 DC CP		24.0	2,850	4.0 379	4.0 379	
WQLN D27 DT CP		279.2	13,221	203.3 11,125	219.2 11,377	
WPXR-TV D27 DT APP		19.8	400	7.9 202	11.9 243	
WPCB-TV D28 DT CP		283.9	45,568	251.9 44,227	255.9 44,714	

Interference to BLANK0000059152 LIC scenario 4

Desired:	WTAE-TV	Call Chan Svc Status	City, State	File Number	Distance
		D27 DT LIC	PITTSBURGH, PA	BLANK0000059152	
Undesireds:	WTTE	D27 DT BL	COLUMBUS, OH	DTVBL74137	276.2 km
	WTTE	D27 DT CP	COLUMBUS, OH	WTTE 27 STA 431C 194H	276.2
	WGPT	D26 DT CP	OAKLAND, MD	BLANK0000034106	106.7
	WMAR-TV	D27 DT CP	BALTIMORE, MD	BLANK0000026796	288.9
	W16DO-D	D27 DC CP	CLEVELAND, OH	BLANK0000034701	200.9
	WQLN	D27 DT CP	ERIE, PA	BLANK0000026514	197.1
	WPXR-TV	D27 DT CP	ROANOKE, VA	BLANK0000034915	344.4
	WPCB-TV	D28 DT CP	GREENSBURG, PA	BLANK0000034177	12.6

Appendix B - Interference Analysis
WTTE - Columbus, Ohio
Channel 27 - 207.5 kW - Page 7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
23955.1 2,995,755	22231.3 2,860,979	21463.4 2,795,196	21575.8 2,798,576	-0.52 -0.12
Undesired	Total IX	Unique IX, before	Unique IX, after	
WTTE D27 DT BL	200.3	7,503	116.5	3,387
WTTE D27 DT CP	48.0	2,701		4.0 7
WGPT D26 DT CP	28.0	332	19.9	238
WMAR-TV D27 DT CP	76.6	1,987	60.4	1,487
W16DO-D D27 DC CP	24.0	2,850	4.0	379 4.0 379
WQLN D27 DT CP	279.2	13,221	203.3	11,125 219.2 11,377
WPXR-TV D27 DT CP	15.9	356	4.0	27 7.9 68
WPCB-TV D28 DT CP	283.9	45,568	251.9	44,227 255.9 44,714

Interference to BLANK0000068237 APP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WPXR-TV	D27	DT	APP	ROANOKE, VA	BLANK0000068237	
Undesireds:	WTTE	D27	DT	BL	COLUMBUS, OH	DTVBL74137	393.5 km
	WTTE	D27	DT	CP	COLUMBUS, OH	WTTE 27 STA 431C 194H	393.5
	WGPT-TV	D26	DT	CP	BURLINGTON, NC	BLANK0000034889	114.4
	WTVQ-DT	D27	DT	CP	LEXINGTON, KY	BLANK0000026675	385.0
	WMAR-TV	D27	DT	CP	BALTIMORE, MD	BLANK0000026796	386.8
	WUNW	D27	DD	APP	CANTON, NC	BLANK0000036076	306.1
	WGTB-CD	D27	DC	CP	CHARLOTTE, NC	BLANK0000028505	223.1
	WUNP-TV	D27	DT	CP	ROANOKE RAPIDS, NC	BLANK0000034416	229.4
	WTAE-TV	D27	DT	LIC	PITTSBURGH, PA	BLANK0000059152	343.8
	WPDE-TV	D27	DT	CP	FLORENCE, SC	BLANK0000034379	323.3
	WJGN-CD	D27	DC	CP	CHESAPEAKE, VA	BLANK0000025319	339.0
	WMYV	D28	DT	CP	GREENSBORO, NC	BLANK0000034498	150.8
	WEMT	D28	DT	CP	GREENEVILLE, TN	BLANK0000034887	193.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
39023.9 1,375,640	32950.3 1,200,331	31970.3 1,170,721	31982.2 1,170,837	-0.04 -0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
WTTE D27 DT BL	31.7	728	11.9 116
WTTE D27 DT CP	4.0	0	0.0 0
WGPT-TV D26 DT CP	227.0	9,756	103.6 4,906 103.6 4,906
WTVQ-DT D27 DT CP	43.8	3,032	27.9 2,504 31.9 3,031
WMAR-TV D27 DT CP	35.8	484	15.9 186 15.9 186
WUNW D27 DD APP	8.0	37	4.0 0 4.0 0
WGTB-CD D27 DC CP	27.8	334	11.9 248 11.9 248
WUNP-TV D27 DT CP	601.9	16,667	474.5 12,744 474.5 12,744
WTAE-TV D27 DT LIC	35.6	222	15.8 136 19.8 221
WPDE-TV D27 DT CP	119.5	2,509	31.9 468 31.9 468
WJGN-CD D27 DC CP	4.0	1	0.0 0 0.0 0
WMYV D28 DT CP	163.3	4,895	71.7 1,734 71.7 1,734
WEMT D28 DT CP	8.0	0	8.0 0 8.0 0

Interference to BLANK0000068237 APP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WPXR-TV	D27	DT	APP	ROANOKE, VA	BLANK0000068237	
Undesireds:	WTTE	D27	DT	BL	COLUMBUS, OH	DTVBL74137	393.5 km
	WTTE	D27	DT	CP	COLUMBUS, OH	WTTE 27 STA 431C 194H	393.5
	WGPT-TV	D26	DT	CP	BURLINGTON, NC	BLANK0000034889	114.4
	WTVQ-DT	D27	DT	CP	LEXINGTON, KY	BLANK0000026675	385.0
	WMAR-TV	D27	DT	CP	BALTIMORE, MD	BLANK0000026796	386.8
	WUNW	D27	DT	CP	CANTON, NC	BLANK0000035959	306.1
	WGTB-CD	D27	DC	CP	CHARLOTTE, NC	BLANK0000028505	223.1
	WUNP-TV	D27	DT	CP	ROANOKE RAPIDS, NC	BLANK0000034416	229.4
	WTAE-TV	D27	DT	LIC	PITTSBURGH, PA	BLANK0000059152	343.8
	WPDE-TV	D27	DT	CP	FLORENCE, SC	BLANK0000034379	323.3
	WJGN-CD	D27	DC	CP	CHESAPEAKE, VA	BLANK0000025319	339.0

Appendix B - Interference Analysis
WTTE - Columbus, Ohio
Channel 27 - 207.5 kW - Page 8

WMYV	D28	DT	CP	GREENSBORO, NC	BLANK0000034498	150.8
WEMT	D28	DT	CP	GREENEVILLE, TN	BLANK0000034887	193.1
Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
39023.9	1,375,640	32950.3	1,200,331	31974.3 1,170,721	31986.2 1,170,837	-0.04 -0.01
Undesired		Total IX		Unique IX, before	Unique IX, after	
WTTE D27 DT BL	31.7	728		11.9 116	0.0 0	
WTTE D27 DT CP	4.0	0				
WGPX-TV D26 DT CP	227.0	9,756	103.6	4,906	103.6	4,906
WTVQ-DT D27 DT CP	43.8	3,032	27.9	2,504	31.9	3,031
WMAR-TV D27 DT CP	35.8	484	15.9	186	15.9	186
WGTB-CD D27 DC CP	27.8	334	11.9	248	11.9	248
WUNP-TV D27 DT CP	601.9	16,667	474.5	12,744	474.5	12,744
WTAE-TV D27 DT LIC	35.6	222	15.8	136	19.8	221
WPDE-TV D27 DT CP	119.5	2,509	31.9	468	31.9	468
WJGN-CD D27 DC CP	4.0	1	0.0	0	0.0	0
WMYV D28 DT CP	163.3	4,895	71.7	1,734	71.7	1,734
WEMT D28 DT CP	8.0	0	8.0	0	8.0	0

Interference to BLANK0000068237 APP scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WPXR-TV	D27	DT	APP	ROANOKE, VA	BLANK0000068237	
Undesireds:	WTTE	D27	DT	BL	COLUMBUS, OH	DTVBL74137	393.5 km
	WTTE	D27	DT	CP	COLUMBUS, OH	WTTE 27 STA 431C 194H	393.5
	WGPX-TV	D26	DT	APP	BURLINGTON, NC	BLANK0000068233	150.2
	WTVQ-DT	D27	DT	CP	LEXINGTON, KY	BLANK0000026675	385.0
	WMAR-TV	D27	DT	CP	BALTIMORE, MD	BLANK0000026796	386.8
	WUNW	D27	DD	APP	CANTON, NC	BLANK0000036076	306.1
	WGTB-CD	D27	DC	CP	CHARLOTTE, NC	BLANK0000028505	223.1
	WUNP-TV	D27	DT	CP	ROANOKE RAPIDS, NC	BLANK0000034416	229.4
	WTAE-TV	D27	DT	LIC	PITTSBURGH, PA	BLANK0000059152	343.8
	WPDE-TV	D27	DT	CP	FLORENCE, SC	BLANK0000034379	323.3
	WJGN-CD	D27	DC	CP	CHESAPEAKE, VA	BLANK0000025319	339.0
	WMYV	D28	DT	CP	GREENSBORO, NC	BLANK0000034498	150.8
	WEMT	D28	DT	CP	GREENEVILLE, TN	BLANK0000034887	193.1
Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX	
39023.9	1,375,640	32950.3	1,200,331	32073.9 1,175,627	32085.7 1,175,743	-0.04 -0.01	

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WPXR-TV	D27	DT	APP	ROANOKE, VA	BLANK0000068237	
Undesireds:	WTTE	D27	DT	BL	COLUMBUS, OH	DTVBL74137	393.5 km
	WTTE	D27	DT	CP	COLUMBUS, OH	WTTE 27 STA 431C 194H	393.5
	WGPX-TV	D26	DT	APP	BURLINGTON, NC	BLANK0000068233	150.2
	WTVQ-DT	D27	DT	CP	LEXINGTON, KY	BLANK0000026675	385.0
	WMAR-TV	D27	DT	CP	BALTIMORE, MD	BLANK0000026796	386.8
	WUNW	D27	DD	APP	CANTON, NC	BLANK0000036076	306.1
	WGTB-CD	D27	DC	CP	CHARLOTTE, NC	BLANK0000028505	223.1
	WUNP-TV	D27	DT	CP	ROANOKE RAPIDS, NC	BLANK0000034416	229.4
	WTAE-TV	D27	DT	LIC	PITTSBURGH, PA	BLANK0000059152	343.8
	WPDE-TV	D27	DT	CP	FLORENCE, SC	BLANK0000034379	323.3
	WJGN-CD	D27	DC	CP	CHESAPEAKE, VA	BLANK0000025319	339.0
	WMYV	D28	DT	CP	GREENSBORO, NC	BLANK0000034498	150.8
	WEMT	D28	DT	CP	GREENEVILLE, TN	BLANK0000034887	193.1
Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX	
39023.9	1,375,640	32950.3	1,200,331	32073.9 1,175,627	32085.7 1,175,743	-0.04 -0.01	

Interference to BLANK0000068237 APP scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WPXR-TV	D27	DT	APP	ROANOKE, VA	BLANK0000068237	
Undesireds:	WTTE	D27	DT	BL	COLUMBUS, OH	DTVBL74137	393.5 km
	WTTE	D27	DT	CP	COLUMBUS, OH	WTTE 27 STA 431C 194H	393.5
	WGPX-TV	D26	DT	APP	BURLINGTON, NC	BLANK0000068233	150.2
	WTVQ-DT	D27	DT	CP	LEXINGTON, KY	BLANK0000026675	385.0

Appendix B - Interference Analysis
WTTE - Columbus, Ohio
Channel 27 - 207.5 kW - Page 9

WMAR-TV	D27	DT	CP	BALTIMORE, MD	BLANK0000026796	386.8
WUNW	D27	DT	CP	CANTON, NC	BLANK0000035959	306.1
WGTV-CD	D27	DC	CP	CHARLOTTE, NC	BLANK0000028505	223.1
WUNP-TV	D27	DT	CP	ROANOKE RAPIDS, NC	BLANK0000034416	229.4
WTAE-TV	D27	DT	LIC	PITTSBURGH, PA	BLANK0000059152	343.8
WPDE-TV	D27	DT	CP	FLORENCE, SC	BLANK0000034379	323.3
WJGN-CD	D27	DC	CP	CHESAPEAKE, VA	BLANK0000025319	339.0
WMYV	D28	DT	CP	GREENSBORO, NC	BLANK0000034498	150.8
WEMT	D28	DT	CP	GREENEVILLE, TN	BLANK0000034887	193.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
39023.9 1,375,640	32950.3 1,200,331	32077.9 1,175,627	32089.7 1,175,743	-0.04 -0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
WTTE D27 DT BL	31.7	728	11.9 116
WTTE D27 DT CP	4.0	0	0.0 0
WGPX-TV D26 DT APP	39.9	723	0.0 0
WTVQ-DT D27 DT CP	43.8	3,032	27.9 2,504 31.9 3,031
WMAR-TV D27 DT CP	35.8	484	15.9 186 15.9 186
WGTV-CD D27 DC CP	27.8	334	11.9 248 11.9 248
WUNP-TV D27 DT CP	601.9	16,667	494.4 14,318 494.4 14,318
WTAE-TV D27 DT LIC	35.6	222	15.8 136 19.8 221
WPDE-TV D27 DT CP	119.5	2,509	35.8 531 35.8 531
WJGN-CD D27 DC CP	4.0	1	0.0 0 0.0 0
WMYV D28 DT CP	163.3	4,895	99.6 3,240 99.6 3,240
WEMT D28 DT CP	8.0	0	8.0 0 8.0 0

Interference to BLANK0000034915 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WPXR-TV	D27	DT	CP	ROANOKE, VA	BLANK0000034915	
Undesireds:	WTTE	D27	DT	BL	COLUMBUS, OH	DTVBL74137	393.6 km
	WTTE	D27	DT	CP	COLUMBUS, OH	WTTE 27 STA 431C 194H	393.6
	WGPX-TV	D26	DT	CP	BURLINGTON, NC	BLANK0000034889	114.2
	WHTJ	D26	DT	CP	CHARLOTTESVILLE, VA	BLANK0000034130	171.5
	WTVQ-DT	D27	DT	CP	LEXINGTON, KY	BLANK0000026675	384.6
	WMAR-TV	D27	DT	CP	BALTIMORE, MD	BLANK0000026796	387.6
	WUNW	D27	DD	APP	CANTON, NC	BLANK0000036076	305.3
	WGTV-CD	D27	DC	CP	CHARLOTTE, NC	BLANK0000028505	222.4
	WUNP-TV	D27	DT	CP	ROANOKE RAPIDS, NC	BLANK0000034416	229.8
	WTAE-TV	D27	DT	LIC	PITTSBURGH, PA	BLANK0000059152	344.4
	WPDE-TV	D27	DT	CP	FLORENCE, SC	BLANK0000034379	322.9
	WMYV	D28	DT	CP	GREENSBORO, NC	BLANK0000034498	150.4
	WEMT	D28	DT	CP	GREENEVILLE, TN	BLANK0000034887	192.3

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
38935.4 1,387,714	33045.5 1,222,335	31926.3 1,191,125	31946.1 1,191,261	-0.06 -0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
WTTE D27 DT BL	43.5	263	19.8 136
WTTE D27 DT CP	0.0	0	0.0 0
WGPX-TV D26 DT CP	270.7	10,839	103.5 6,101 103.5 6,101
WHTJ D26 DT CP	7.9	32	4.0 0 4.0 0
WTVQ-DT D27 DT CP	23.9	1,652	15.9 1,643 19.9 1,652
WMAR-TV D27 DT CP	23.9	292	4.0 35 4.0 35
WUNW D27 DD APP	4.0	0	0.0 0 0.0 0
WGTV-CD D27 DC CP	23.9	143	11.9 58 11.9 58
WUNP-TV D27 DT CP	749.2	19,676	601.9 15,460 601.9 15,460
WTAE-TV D27 DT LIC	31.6	163	11.9 45 31.6 163
WPDE-TV D27 DT CP	143.4	3,095	35.8 962 35.8 962
WMYV D28 DT CP	163.3	3,564	63.7 1,121 63.7 1,121
WEMT D28 DT CP	8.0	0	4.0 0 4.0 0

Interference to BLANK0000034915 CP scenario 2

Appendix B - Interference Analysis
WTTE - Columbus, Ohio
Channel 27 - 207.5 kW - Page 10

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WPXR-TV	D27	DT	CP	ROANOKE, VA	BLANK0000034915	
Undesireds:	WTTE	D27	DT	BL	COLUMBUS, OH	DTVBL74137	393.6 km
	WTTE	D27	DT	CP	COLUMBUS, OH	WTTE 27 STA 431C 194H	393.6
	WGPK-TV	D26	DT	CP	BURLINGTON, NC	BLANK0000034889	114.2
	WHTJ	D26	DT	CP	CHARLOTTESVILLE, VA	BLANK0000034130	171.5
	WTVQ-DT	D27	DT	CP	LEXINGTON, KY	BLANK0000026675	384.6
	WMAR-TV	D27	DT	CP	BALTIMORE, MD	BLANK0000026796	387.6
	WUNW	D27	DT	CP	CANTON, NC	BLANK0000035959	305.3
	WGKB-CD	D27	DC	CP	CHARLOTTE, NC	BLANK0000028505	222.4
	WUNP-TV	D27	DT	CP	ROANOKE RAPIDS, NC	BLANK0000034416	229.8
	WTAE-TV	D27	DT	LIC	PITTSBURGH, PA	BLANK0000059152	344.4
	WPDE-TV	D27	DT	CP	FLORENCE, SC	BLANK0000034379	322.9
	WMYV	D28	DT	CP	GREENSBORO, NC	BLANK0000034498	150.4
	WEWT	D28	DT	CP	GREENEVILLE, TN	BLANK0000034887	192.3
Service area		Terrain-limited			IX-free, before	IX-free, after	Percent New IX
38935.4	1,387,714	33045.5	1,222,335	31926.3	1,191,125	31946.1	1,191,261
Undesired		Total IX		Unique IX, before	Unique IX, after		
WTTE D27 DT BL		43.5	263	19.8	136	0.0	0
WTTE D27 DT CP		0.0	0			0.0	0
WGPK-TV D26 DT CP		270.7	10,839	103.5	6,101	103.5	6,101
WHTJ D26 DT CP		7.9	32	4.0	0	4.0	0
WTVQ-DT D27 DT CP		23.9	1,652	15.9	1,643	19.9	1,652
WMAR-TV D27 DT CP		23.9	292	4.0	35	4.0	35
WGKB-CD D27 DC CP		23.9	143	11.9	58	11.9	58
WUNP-TV D27 DT CP		749.2	19,676	601.9	15,460	601.9	15,460
WTAE-TV D27 DT LIC		31.6	163	11.9	45	31.6	163
WPDE-TV D27 DT CP		143.4	3,095	35.8	962	35.8	962
WMYV D28 DT CP		163.3	3,564	63.7	1,121	63.7	1,121
WEWT D28 DT CP		8.0	0	4.0	0	4.0	0

Interference to BLANK0000034915 CP scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WPXR-TV	D27	DT	CP	ROANOKE, VA	BLANK0000034915	
Undesireds:	WTTE	D27	DT	BL	COLUMBUS, OH	DTVBL74137	393.6 km
	WTTE	D27	DT	CP	COLUMBUS, OH	WTTE 27 STA 431C 194H	393.6
	WGPK-TV	D26	DT	APP	BURLINGTON, NC	BLANK0000068233	149.8
	WHTJ	D26	DT	CP	CHARLOTTESVILLE, VA	BLANK0000034130	171.5
	WTVQ-DT	D27	DT	CP	LEXINGTON, KY	BLANK0000026675	384.6
	WMAR-TV	D27	DT	CP	BALTIMORE, MD	BLANK0000026796	387.6
	WUNW	D27	DD	APP	CANTON, NC	BLANK0000036076	305.3
	WGKB-CD	D27	DC	CP	CHARLOTTE, NC	BLANK0000028505	222.4
	WUNP-TV	D27	DT	CP	ROANOKE RAPIDS, NC	BLANK0000034416	229.8
	WTAE-TV	D27	DT	LIC	PITTSBURGH, PA	BLANK0000059152	344.4
	WPDE-TV	D27	DT	CP	FLORENCE, SC	BLANK0000034379	322.9
	WMYV	D28	DT	CP	GREENSBORO, NC	BLANK0000034498	150.4
	WEWT	D28	DT	CP	GREENEVILLE, TN	BLANK0000034887	192.3
Service area		Terrain-limited			IX-free, before	IX-free, after	Percent New IX
38935.4	1,387,714	33045.5	1,222,335	32029.8	1,197,226	32049.6	1,197,362
Undesired		Total IX		Unique IX, before	Unique IX, after		
WTTE D27 DT BL		43.5	263	19.8	136	0.0	0
WTTE D27 DT CP		0.0	0			0.0	0
WGPK-TV D26 DT APP		35.9	569	0.0	0	0.0	0
WHTJ D26 DT CP		7.9	32	4.0	0	4.0	0
WTVQ-DT D27 DT CP		23.9	1,652	15.9	1,643	19.9	1,652
WMAR-TV D27 DT CP		23.9	292	4.0	35	4.0	35
WUNW D27 DD APP		4.0	0	0.0	0	0.0	0
WGKB-CD D27 DC CP		23.9	143	11.9	58	11.9	58
WUNP-TV D27 DT CP		749.2	19,676	625.7	16,915	625.7	16,915
WTAE-TV D27 DT LIC		31.6	163	11.9	45	31.6	163

Appendix B - Interference Analysis
WTTE - Columbus, Ohio
Channel 27 - 207.5 kW - Page 11

WPDE-TV D27 DT CP	143.4	3,095	43.8	1,158	43.8	1,158
WMYV D28 DT CP	163.3	3,564	95.6	1,677	95.6	1,677
WEMT D28 DT CP	8.0	0	4.0	0	4.0	0

Interference to BLANK0000034915 CP scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
Undesireds:	WPXR-TV	D27	DT	CP	ROANOKE, VA	BLANK0000034915	
WTTE	D27	DT	BL	COLUMBUS, OH	DTVBL74137	393.6 km	
WTTE	D27	DT	CP	COLUMBUS, OH	WTTE 27 STA 431C 194H	393.6	
WGPK-TV	D26	DT	APP	BURLINGTON, NC	BLANK0000068233	149.8	
WHTJ	D26	DT	CP	CHARLOTTEVILLE, VA	BLANK0000034130	171.5	
WTVQ-DT	D27	DT	CP	LEXINGTON, KY	BLANK0000026675	384.6	
WMAR-TV	D27	DT	CP	BALTIMORE, MD	BLANK0000026796	387.6	
WUNW	D27	DT	CP	CANTON, NC	BLANK0000035959	305.3	
WGTB-CD	D27	DC	CP	CHARLOTTE, NC	BLANK0000028505	222.4	
WUNP-TV	D27	DT	CP	ROANOKE RAPIDS, NC	BLANK0000034416	229.8	
WTAE-TV	D27	DT	LIC	PITTSBURGH, PA	BLANK0000059152	344.4	
WPDE-TV	D27	DT	CP	FLORENCE, SC	BLANK0000034379	322.9	
WMYV	D28	DT	CP	GREENSBORO, NC	BLANK0000034498	150.4	
WEMT	D28	DT	CP	GREENEVILLE, TN	BLANK0000034887	192.3	
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
38935.4	1,387,714	33045.5	1,222,335	32029.8	1,197,226	32049.6	1,197,362
Undesired		Total IX		Unique IX, before		Unique IX, after	
WTTE D27 DT BL	43.5	263		19.8	136		
WTTE D27 DT CP	0.0	0				0.0	0
WGPK-TV D26 DT APP	35.9	569		0.0	0	0.0	0
WHTJ D26 DT CP	7.9	32		4.0	0	4.0	0
WTVQ-DT D27 DT CP	23.9	1,652		15.9	1,643	19.9	1,652
WMAR-TV D27 DT CP	23.9	292		4.0	35	4.0	35
WGTB-CD D27 DC CP	23.9	143		11.9	58	11.9	58
WUNP-TV D27 DT CP	749.2	19,676		625.7	16,915	625.7	16,915
WTAE-TV D27 DT LIC	31.6	163		11.9	45	31.6	163
WPDE-TV D27 DT CP	143.4	3,095		43.8	1,158	43.8	1,158
WMYV D28 DT CP	163.3	3,564		95.6	1,677	95.6	1,677
WEMT D28 DT CP	8.0	0		4.0	0	4.0	0

Interference to proposal scenario 1
3.86% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
Undesireds:	WTTE	D27	DT	CP	COLUMBUS, OH	WTTE 27 STA 431C 194H	
WTTE D27 DT CP	64.5	9,360		48.4	9,100	0.30	0.42
WNNDU-TV D27 DT CP	12.1	241		0.0	0	0.00	0.00
WTVQ-DT D27 DT CP	31.9	783		11.9	56	0.07	0.00
WADL D27 DT CP	4.0	63		0.0	0	0.00	0.00
W16DO-D D27 DC CP	8.0	115		0.0	0	0.00	0.00
WTAE-TV D27 DT LIC	156.5	10,600		128.5	9,938	0.80	0.46
WSYX D28 DT CP	1108.3	64,137		1084.3	63,573	6.79	2.93
Service area		Terrain-limited		IX-free		Percent IX	
16280.8	2,178,045	15972.6	2,166,414	14651.5	2,082,706	8.27	3.86
Undesired		Total IX		Unique IX		Prcnt Unique IX	
WTTE D27 DT CP	64.5	9,360		48.4	9,100	0.30	0.42
WNNDU-TV D27 DT CP	12.1	241		0.0	0	0.00	0.00
WTVQ-DT D27 DT CP	31.9	783		11.9	56	0.07	0.00
WADL D27 DT CP	4.0	63		0.0	0	0.00	0.00
W16DO-D D27 DC CP	8.0	115		0.0	0	0.00	0.00
WTAE-TV D27 DT LIC	156.5	10,600		128.5	9,938	0.80	0.46
WSYX D28 DT CP	1108.3	64,137		1084.3	63,573	6.79	2.93