



**STATEMENT OF JOHN E. HIDLE, P.E.
IN SUPPORT OF AN AMENDMENT TO AN
APPLICATION FOR A MINOR MODIFICATION OF A
POST REPACK CONSTRUCTION PERMIT
FILE # 0000027762
WTAT-TV - CHARLESTON, SOUTH CAROLINA
APPLICATION FILE # 0000034503
DTV - CH. 17 - 900 kW - 583.3 m HAAT**

Prepared for: WTAT LICENSEE, LLC

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, License No. 7418, and in the State of New York, License No. 63418.

GENERAL

This office has been authorized by WTAT LICENSEE, LLC, licensee of WTAT-TV, channel 24, facility ID number 416, licensed to Charleston, South Carolina, to prepare this statement, FCC Form 2100, Schedule A, its technical sections, and the associated exhibits in support of an amendment to its application for a minor modification of its post-reassignment construction permit, File # 0000027762, that authorizes WTAT-TV to use channel 17 for its post-reassignment broadcasting. The instant amendment to the application for a minor modification, File # 0000034503 proposes only to decrease WTAT-TV's ERP to 900 kW in order to comply with §73.622(f)(5).

DETERMINATION OF WTAT-TV's COMPLIANCE WITH SECTION 73.622(f)(5)

The proposed 900 kW ERP exceeds the maximum allowed for the antenna HAAT of 583.3 meters permitted by §73.622(f)(8)(I). However, §73.622(f)(5) permits the maximum ERP to be exceeded in order to provide the same geographic coverage area as the largest station within the market. As shown in the attached exhibits, the total coverage area within the proposed WTAT-TV noise limited service contour is 20,971.4 square kilometers, which does not exceed the noise limited coverage area of the licensed WTAT-TV facility (21,067.9 sq km, Channel 24, BLCDT-20090612AHS). Therefore, the 900 kW ERP specified herein for WTAT-TV is in compliance with §73.622(f)(5) of the Federal Communications Commission's Rules.

DIRECTIONAL ANTENNA

The applicant will utilize its existing authorized antenna, a Dielectric model TUD-P5SP-16/48-1-B horizontally polarized broad-band panel type directional transmitting antenna with its center of radiation located at a height above ground of 580.4 meters, and a height above average terrain of 583.3 meters. The antenna manufacturer's horizontal plane azimuth radiation pattern shown and tabulated in exhibit 2. The manufacturer's vertical plane elevation radiation pattern, illustrating the antenna's radiation characteristics above and below the horizontal plane is shown and tabulated in Exhibit 3.

PREDICTED COVERAGE CONTOURS

The predicted coverage contours 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

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WTAT-TV - Charleston, South Carolina
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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 (39.04 dBu) contour, and the principal community (48 dBu) contour. The 48 dBu contour completely encompasses the principal community of license, Charleston, South Carolina.

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 application for construction permit is predicted to cause new prohibited interference to post reassignment 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 WTAT-TV site is located neither within the Canadian nor the Mexican coordination zone, Therefore no international considerations are necessary.

BLANKETING AND INTERMODULATION INTERFERENCE

Other broadcast and non-broadcast facilities are either co-located with, or located within 10 km of the proposed WTAT-TV site. The applicant does recognize its

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responsibility to remedy complaints of interference that might result from this proposal in accordance with applicable Rules.

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,

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is determined, in $\mu\text{W}/\text{cm}^2$ for an “uncontrolled” environment by dividing the operating frequency in MHZ 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 WTAT-TV must be considered, in addition to predicted emissions from any other proposed or existing stations at the site. For WTAT-TV, which will operate on television Channel 17 (488-494 MHZ), the MPE is 327.33 microwatts per centimeter squared ($\mu\text{W}/\text{cm}^2$) in an “uncontrolled” environment and 1,636.7 $\mu\text{W}/\text{cm}^2$ in a “controlled” environment. The proposed WTAT-TV facility will operate with a maximum ERP of 900 kW from an horizontally polarized directional transmitting antenna with a centerline height of 580.4 meters above ground level (AGL). Considering a predicted vertical plane relative field factor of 0.300 the WTAT-TV facility is predicted to produce a power density at two meters above ground level of 8.089 $\mu\text{W}/\text{cm}^2$, which is 2.47% of the FCC guideline value for an “uncontrolled” environment, and 0.49% of the FCC’s guideline value for “controlled” environments. There are two other full-power DTV broadcast facilities that are located at the WTAT-TV site. Therefore, the total estimated percentage of the ANSI value at the proposed site, including the cumulative radiation from all authorizations within the relevant proximity, is 6.05% of the limit applicable to “uncontrolled” environments, and 1.21% of the limit for “controlled” environments. (See Appendix A)

OCCUPATIONAL SAFETY

The licensee of WTAT-TV is committed to the protection of station personnel and/or tower contractors working in the vicinity of the WTAT-TV antenna, and is committed to

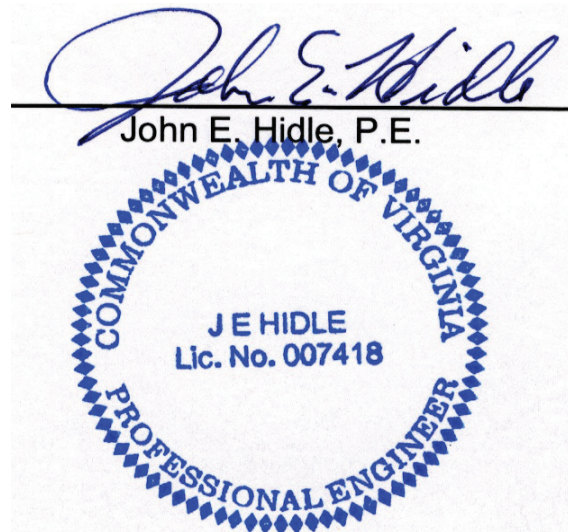
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reducing power or ceasing operation during times of maintenance of the transmission systems, when necessary, to ensure protection to personnel.

SUMMARY

It is submitted that the instant amendment to its application, file # 0000034503, for a minor modification of its post-reassignment channel 17 construction permit, file # 0000027762, to decrease WTAT-TV's ERP to 900 kW, as described herein, complies with the Rules, Regulations and relevant Policies of the Federal Communications Commission. This statement, FCC Form 2100, its technical sections, 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: May 22, 2018





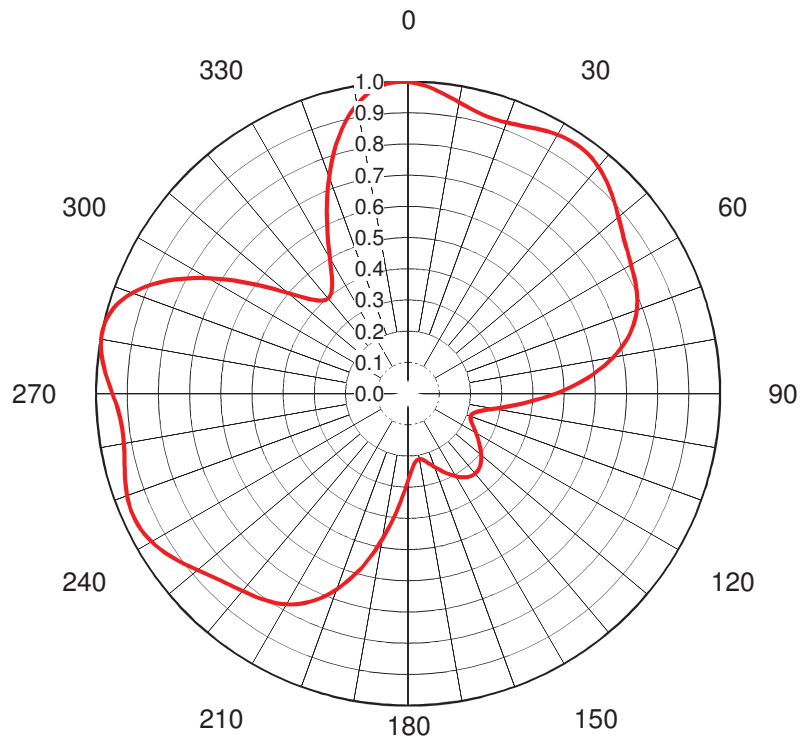
PREDICTED COVERAGE CONTOURS

WTAT-TV - CHARLESTON, SOUTH CAROLINA
DTV Channel 17 - 900 kW ERP - 583.3 M HAAT
MAY, 2018

Predicted Noise Limited 39.04 dBu
F(50,90) Coverage Contour



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



AZIMUTH PATTERN Horizontal Polarization

Proposal No.
Date **22-Mar-17**
Call Letters **WTAT**
Channel **17**
Frequency **491 MHz**
Antenna Type **TUD-P5SP-16/48-1-B**
Gain **1.91 (2.82dB)**
Calculated

Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value
0	0.999	36	0.962	72	0.765	108	0.215	144	0.330	180	0.279	216	0.811	252	0.952	288	0.966
1	0.997	37	0.960	73	0.756	109	0.213	145	0.327	181	0.295	217	0.815	253	0.948	289	0.955
2	0.993	38	0.957	74	0.746	110	0.213	146	0.324	182	0.311	218	0.818	254	0.944	290	0.942
3	0.989	39	0.954	75	0.735	111	0.214	147	0.320	183	0.329	219	0.822	255	0.940	291	0.927
4	0.984	40	0.949	76	0.724	112	0.216	148	0.316	184	0.348	220	0.826	256	0.936	292	0.911
5	0.979	41	0.944	77	0.711	113	0.219	149	0.311	185	0.368	221	0.830	257	0.933	293	0.894
6	0.973	42	0.938	78	0.697	114	0.222	150	0.306	186	0.388	222	0.834	258	0.930	294	0.875
7	0.966	43	0.932	79	0.683	115	0.226	151	0.301	187	0.409	223	0.838	259	0.927	295	0.855
8	0.960	44	0.925	80	0.667	116	0.230	152	0.296	188	0.430	224	0.843	260	0.925	296	0.833
9	0.954	45	0.918	81	0.651	117	0.235	153	0.290	189	0.452	225	0.848	261	0.923	297	0.811
10	0.947	46	0.911	82	0.633	118	0.240	154	0.284	190	0.473	226	0.854	262	0.923	298	0.788
11	0.942	47	0.903	83	0.615	119	0.246	155	0.278	191	0.495	227	0.860	263	0.923	299	0.764
12	0.937	48	0.896	84	0.597	120	0.251	156	0.273	192	0.516	228	0.866	264	0.924	300	0.740
13	0.932	49	0.888	85	0.580	121	0.256	157	0.267	193	0.537	229	0.873	265	0.926	301	0.715
14	0.929	50	0.880	86	0.558	122	0.262	158	0.262	194	0.558	230	0.880	266	0.929	302	0.690
15	0.926	51	0.873	87	0.537	123	0.267	159	0.256	195	0.580	231	0.888	267	0.932	303	0.665
16	0.924	52	0.866	88	0.516	124	0.273	160	0.251	196	0.597	232	0.896	268	0.937	304	0.640
17	0.923	53	0.860	89	0.495	125	0.278	161	0.246	197	0.615	233	0.903	269	0.942	305	0.615
18	0.923	54	0.854	90	0.473	126	0.284	162	0.240	198	0.633	234	0.911	270	0.947	306	0.591
19	0.923	55	0.848	91	0.452	127	0.290	163	0.235	199	0.651	235	0.918	271	0.954	307	0.567
20	0.925	56	0.843	92	0.430	128	0.296	164	0.230	200	0.667	236	0.925	272	0.960	308	0.543
21	0.927	57	0.838	93	0.409	129	0.301	165	0.226	201	0.683	237	0.932	273	0.966	309	0.521
22	0.930	58	0.834	94	0.388	130	0.306	166	0.222	202	0.697	238	0.938	274	0.973	310	0.501
23	0.933	59	0.830	95	0.368	131	0.311	167	0.219	203	0.711	239	0.944	275	0.979	311	0.482
24	0.936	60	0.826	96	0.348	132	0.316	168	0.216	204	0.724	240	0.949	276	0.984	312	0.464
25	0.940	61	0.822	97	0.329	133	0.320	169	0.214	205	0.735	241	0.954	277	0.989	313	0.449
26	0.944	62	0.818	98	0.311	134	0.324	170	0.213	206	0.746	242	0.957	278	0.993	314	0.436
27	0.948	63	0.815	99	0.295	135	0.327	171	0.213	207	0.756	243	0.960	279	0.997	315	0.424
28	0.952	64	0.811	100	0.279	136	0.330	172	0.215	208	0.765	244	0.962	280	0.999	316	0.415
29	0.955	65	0.807	101	0.266	137	0.332	173	0.217	209	0.773	245	0.964	281	1.000	317	0.408
30	0.958	66	0.803	102	0.253	138	0.333	174	0.221	210	0.780	246	0.964	282	1.000	318	0.403
31	0.961	67	0.798	103	0.243	139	0.334	175	0.227	211	0.787	247	0.964	283	0.998	319	0.400
32	0.962	68	0.793	104	0.234	140	0.334	176	0.234	212	0.793	248	0.962	284	0.995	320	0.399
33	0.964	69	0.787	105	0.227	141	0.334	177	0.243	213	0.798	249	0.961	285	0.990	321	0.400
34	0.964	70	0.780	106	0.221	142	0.333	178	0.253	214	0.803	250	0.958	286	0.984	322	0.403
35	0.964	71	0.773	107	0.217	143	0.332	179	0.266	215	0.807	251	0.955	287	0.976	323	0.408

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ELEVATION PATTERN

Proposal No.

Date **22-Mar-17**

Call Letters **WTAT**

Channel **17**

Frequency **491 MHz**

Antenna Type **TUD-P5SP-16/48-1-B**

RMS Directivity at Main Lobe

24.0 (13.80 dB)

Beam Tilt

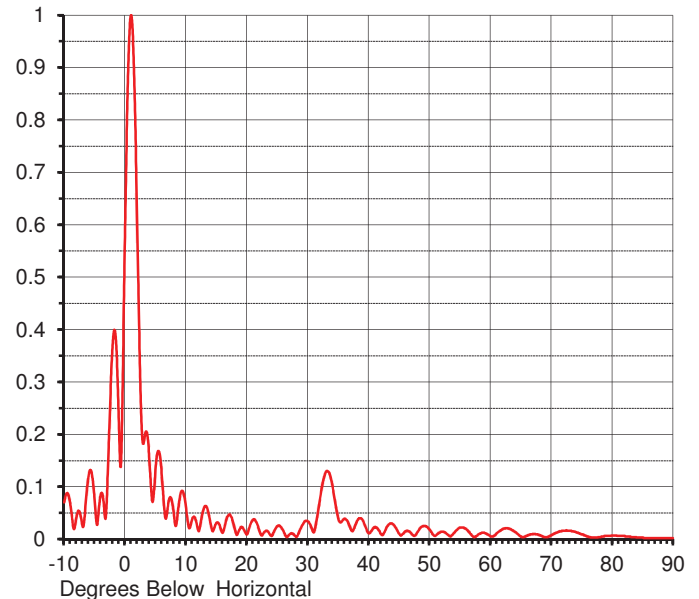
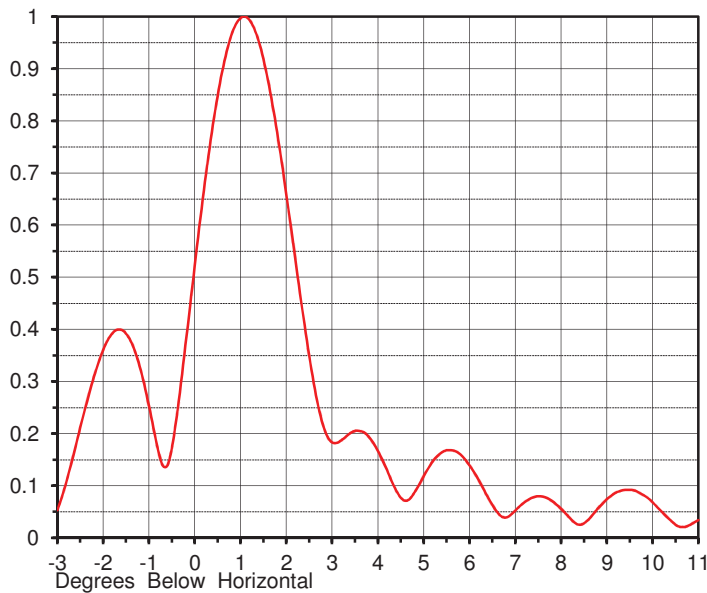
1.00 deg

RMS Directivity at Horizontal

8.5 (9.29 dB)

Pattern Number

Calculated



Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.070	10.0	0.059	30.0	0.034	50.0	0.018	70.0	0.008
-9.0	0.067	11.0	0.038	31.0	0.013	51.0	0.007	71.0	0.013
-8.0	0.041	12.0	0.017	32.0	0.078	52.0	0.014	72.0	0.016
-7.0	0.025	13.0	0.061	33.0	0.129	53.0	0.008	73.0	0.016
-6.0	0.120	14.0	0.031	34.0	0.103	54.0	0.012	74.0	0.013
-5.0	0.074	15.0	0.031	35.0	0.038	55.0	0.022	75.0	0.009
-4.0	0.085	16.0	0.012	36.0	0.039	56.0	0.019	76.0	0.005
-3.0	0.078	17.0	0.046	37.0	0.020	57.0	0.006	77.0	0.003
-2.0	0.379	18.0	0.019	38.0	0.033	58.0	0.009	78.0	0.004
-1.0	0.211	19.0	0.023	39.0	0.036	59.0	0.012	79.0	0.006
0.0	0.595	20.0	0.009	40.0	0.011	60.0	0.005	80.0	0.007
1.0	1.000	21.0	0.037	41.0	0.023	61.0	0.011	81.0	0.006
2.0	0.597	22.0	0.017	42.0	0.010	62.0	0.019	82.0	0.006
3.0	0.182	23.0	0.015	43.0	0.024	63.0	0.020	83.0	0.004
4.0	0.149	24.0	0.006	44.0	0.028	64.0	0.014	84.0	0.003
5.0	0.133	25.0	0.025	45.0	0.010	65.0	0.005	85.0	0.003
6.0	0.126	26.0	0.015	46.0	0.015	66.0	0.007	86.0	0.002
7.0	0.061	27.0	0.009	47.0	0.010	67.0	0.010	87.0	0.002
8.0	0.047	28.0	0.005	48.0	0.014	68.0	0.008	88.0	0.002
9.0	0.081	29.0	0.025	49.0	0.025	69.0	0.004	89.0	0.002
								90.0	0.002

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WTAT-TV-D

Charleston, SC
BLCDT-20090612AHS
Channel: 24.2C
Latitude: 32-56-24.38 N
Longitude: 079-41-44.72 W
ERP: 1000.00 kW
HAAT 583.3 m
Frequency: 533.0 MHz
AMSL Height: 585.4 m
Elevation: 5.0 m
Horiz. Pattern: Directional
Study Date: 4/13/2018

WTAT-TV-D.A

Charleston, SC
0000034503
Channel: 172C
Latitude: 32-56-24.38 N
Longitude: 079-41-44.72 W
ERP: 900.00 kW
HAAT 583.3 m
Frequency: 491.0 MHz
AMSL Height: 585.4 m
Elevation: 5.0 m
Horiz. Pattern: Directional
Study Date: 4/13/2018

WTAT-TV-D
WTAT-TV-D.A

Land Area excluding Ocean
Licensed

Scale 1:1,500,000

0 20 40 60 km

Licensed and Application 41 dBu**Polygon Area Report**

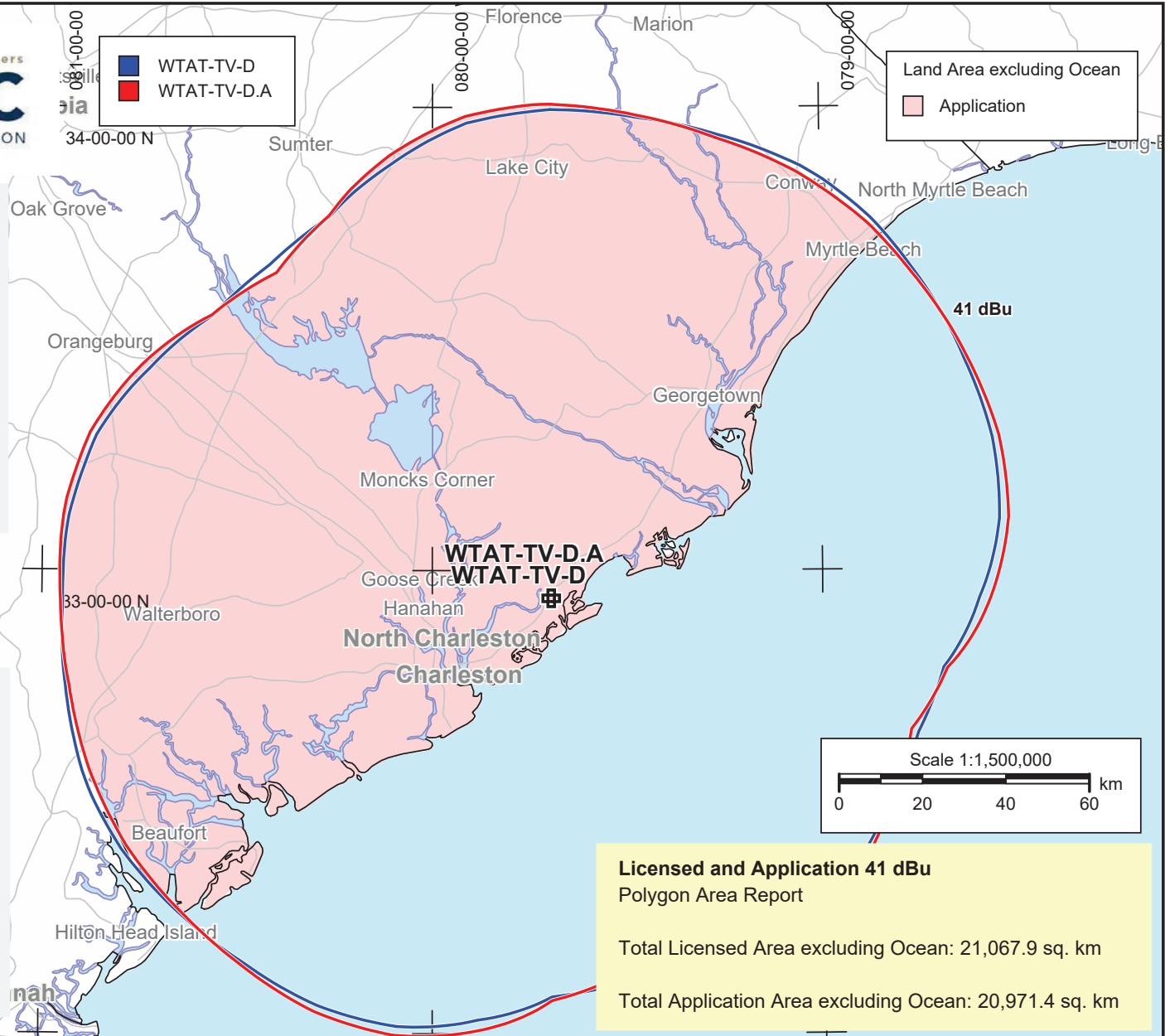
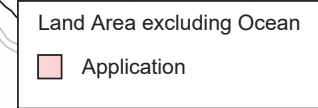
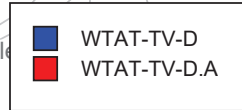
Total Licensed Area excluding Ocean: 21,067.9 sq. km

Total Application Area excluding Ocean: 20,971.4 sq. km



WTAT-TV-D
Charleston, SC
BLCDT-20090612AHS
Channel: 24 2C
Latitude: 32-56-24.38 N
Longitude: 079-41-44.72 W
ERP: 1000.00 kW
HAAT 583.3 m
Frequency: 533.0 MHz
AMSL Height: 585.4 m
Elevation: 5.0 m
Horiz. Pattern: Directional
Study Date: 4/13/2018

WTAT-TV-D.A
Charleston, SC
0000034503
Channel: 172C
Latitude: 32-56-24.38 N
Longitude: 079-41-44.72 W
ERP: 900.00 kW
HAAT 583.3 m
Frequency: 491.0 MHz
AMSL Height: 585.4 m
Elevation: 5.0 m
Horiz. Pattern: Directional
Study Date: 4/13/2018



APPENDIX A

SUMMARY OF RADIOFREQUENCY RADIATION STUDY

WTAT-TV, Charleston, SC
Channel 17, 900 kW, 583.3 m HAAT
May, 2018

<u>CALL</u>	<u>SERVICE</u>	<u>CHANNEL</u>	<u>FREQUENCY</u>	<u>POLAR- IZATION</u>	<u>ANTENNA HEIGHT</u>	<u>ERP (kW)</u>	<u>VERT. RELATIVE FIELD FACTOR</u>	<u>WORST-CASE PREDICTED POWER DENSITY ($\mu\text{W}/\text{cm}^2$)</u>	<u>FCC UNCONTROLLED LIMIT ($\mu\text{W}/\text{cm}^2$)</u>	<u>PERCENT OF UNCONTROLLED LIMIT</u>
WCIV	DT	25	539	H	580.4	850.000	0.300	7.640	359.33	2.13%
WTAT-TV	DT	17	491	H	580.4	900.000	0.300	8.089	327.33	2.47%
WCBD-TV	DT	20	546	H	580	546.000	0.300	4.914	339.33	1.45%
TOTAL PERCENTAGE OF FCC GUIDELINE VALUE =										6.05%

* For television stations a very conservative vertical relative field factor of 0.3 was assumed pursuant to OET Bulletin 65.



WTAT-TV - CHARLESTON, SOUTH CAROLINA Appendix B - Longley-Rice Interference Analysis May, 2018

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: WTAT 17 AP 900KW TUDP5, Model: Longley-Rice
Start: 2018.05.10 09:27:39

Study created: 2018.05.10 09:27:39

Study build station data: LMS TV 2018-05-10

Proposal: WTAT-TV D17 DT APP CHARLESTON, SC
File number: WTAT 17 AP 900KW TUDP5
Facility ID: 416
Station data: User record
Record ID: 292
Country: U.S.
Zone: II

Search options:
Non-U.S. records included
Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WAGT-CD	D16	DC	CP	AUGUSTA, GA	BLANK0000035762	206.5 km
Yes	WSAV-TV	D16	DT	CP	SAVANNAH, GA	BLANK0000034780	179.4
No	WPXU-TV	D16	DT	CP	JACKSONVILLE, NC	BLANK0000026976	272.0
Yes	WJPM-TV	D16	DT	CP	FLORENCE, SC	BLANK0000025028	149.0
No	WLGA	D17	DD	APP	OPELIKA, AL	BLANK0000030376	473.2
No	WFXU	D17	DT	CP	LIVE OAK, FL	BLANK0000026640	410.9
No	WFXU	D17	DT	APP	LIVE OAK, FL	BLANK0000034412	460.0
Yes	WRAL-TV	D17	DT	CP	RALEIGH, NC	BLANK0000034032	322.3
Yes	WHNS	D17	DT	CP	GREENVILLE, SC	BLANK0000024830	371.1
No	WCCB	D18	DT	CP	CHARLOTTE, NC	BLANK0000034433	275.7
Yes	WLCN-CD	D18	DC	LIC	CHARLESTON, SC	BLDTA20090616AAY	40.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D17
Latitude: 32 56 25.00 N (NAD83)
Longitude: 79 41 44.00 W
Height AMSL: 585.4 m
HAAT: 583.3 m
Peak ERP: 900 kW
Antenna: DIELECTRIC-TUD-P5SP-16/48-1-B (ID 1002922) 0.0 deg
Elev Pattn: Generic
Elec Tilt: 1.00

39.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	898 kW	577.3 m	122.7 km
45.0	753	579.8	121.1
90.0	201	585.2	109.2
135.0	92.2	585.0	102.5
180.0	70.1	585.1	100.1
225.0	655	581.1	119.8

Appendix B - Interference Analysis **WTAT-TV - Charleston, South Carolina** **Channel 17 - 900 kW - Page 2**

270.0 807 580.6 121.8
315.0 182 577.4 107.9

Database HAAT does not agree with computed HAAT
Database HAAT: 583 m Computed HAAT: 581 m

ERP exceeds maximum
ERP: 900 kW ERP maximum: 348 kW

Distance to Canadian border: 999.8 km

Distance to Mexican border: 1835.1 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 283.8 degrees Distance: 477.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 296.7 degrees Distance: 2405.6 km

No land mobile station failures found

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 BLANK0000034780 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WSAV-TV	D16	DT	CP	SAVANNAH, GA	BLANK0000034780	
Undesireds:	WTAT-TV	D17	DT	BL	CHARLESTON, SC	DTVBL416	179.4 km
	WTAT-TV	D17	DT	APP	CHARLESTON, SC	WTAT 17 AP 900KW TUDP5	179.4
	WCJB-TV	D16	DT	LIC	GAINESVILLE, FL	BLCDT20071119AJB	299.4
	WAGT-CD	D16	DC	LIC	AUGUSTA, GA	BLANK0000001455	171.7
	WDMA-CD	D16	DC	CP	MACON, GA	BLANK0000034487	239.0
	WPXA-TV	D16	DT	CP	ROME, GA	BLANK0000034338	399.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
39894.6 1,000,315	39886.6 1,000,309	39384.8 994,790	39336.4 994,750	0.12 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WTAT-TV D17 DT BL 309.4 3,481 309.4 3,481			
WTAT-TV D17 DT APP 357.7 3,521 357.7 3,521			
WCJB-TV D16 DT LIC 4.0 84 0.0 0			
WAGT-CD D16 DC LIC 184.3 1,938 172.3 1,917			
WDMA-CD D16 DC CP 8.1 100 0.0 0			
WPXA-TV D16 DT CP 16.1 37 0.0 0			

----- Interference to BLANK0000034780 CP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WSAV-TV	D16	DT	CP	SAVANNAH, GA	BLANK0000034780	
Undesireds:	WTAT-TV	D17	DT	BL	CHARLESTON, SC	DTVBL416	179.4 km
	WTAT-TV	D17	DT	APP	CHARLESTON, SC	WTAT 17 AP 900KW TUDP5	179.4
	WCJB-TV	D16	DT	LIC	GAINESVILLE, FL	BLCDT20071119AJB	299.4
	WAGT-CD	D16	DC	CP	AUGUSTA, GA	BLANK0000035762	158.6
	WDMA-CD	D16	DC	CP	MACON, GA	BLANK0000034487	239.0
	WPXA-TV	D16	DT	CP	ROME, GA	BLANK0000034338	399.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
39894.6 1,000,315	39886.6 1,000,309	38759.8 990,650	38711.5 990,610	0.12 0.00

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Undesired		Total IX	Unique IX, before	Unique IX, after
WTAT-TV D17 DT BL	309.4	3,481	309.4	3,481
WTAT-TV D17 DT APP	357.7	3,521		357.7
WCJB-TV D16 DT LIC	4.0	84	0.0	0.0
WAGT-CD D16 DC CP	813.3	6,094	797.3	6,057
WDMA-CD D16 DC CP	8.1	100	0.0	0.0
WPXA-TV D16 DT CP	16.1	37	0.0	0.0

Interference to BLANK0000025028 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WJPM-TV	D16	DT	CP	FLORENCE, SC	BLANK0000025028	
Undesireds:	WTAT-TV	D17	DT	BL	CHARLESTON, SC	DTVBL416	149.0 km
	WTAT-TV	D17	DT	APP	CHARLESTON, SC	WTAT 17 AP 900KW TUDP5	149.0
	W21CK-D	D15	DC	CP	CHARLOTTE, NC	BLANK0000027832	145.4
	WLTX	D15	DT	CP	COLUMBIA, SC	BLANK0000028035	96.0
	WAGT-CD	D16	DC	LIC	AUGUSTA, GA	BLANK0000001455	229.7
	WSAV-TV	D16	DT	CP	SAVANNAH, GA	BLANK0000034780	286.2
	WPXU-TV	D16	DT	CP	JACKSONVILLE, NC	BLANK0000026976	212.2
	WXII-TV	D16	DT	CP	WINSTON-SALEM, NC	BLANK0000034697	239.8

	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
17209.3	623,965	17197.3	623,813	16854.7	610,471	16850.7	610,394

Undesired		Total IX	Unique IX, before	Unique IX, after
WTAT-TV D17 DT BL	16.1	86	16.1	86
WTAT-TV D17 DT APP	20.1	163		20.1
WLTX D15 DT CP	139.8	3,076	75.9	1,665
WAGT-CD D16 DC LIC	4.0	73	0.0	0.0
WSAV-TV D16 DT CP	40.0	1,191	0.0	0.0
WPXU-TV D16 DT CP	43.9	3,457	4.0	90
WXII-TV D16 DT CP	238.6	11,304	174.8	7,722

Interference to BLANK0000025028 CP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WJPM-TV	D16	DT	CP	FLORENCE, SC	BLANK0000025028	
Undesireds:	WTAT-TV	D17	DT	BL	CHARLESTON, SC	DTVBL416	149.0 km
	WTAT-TV	D17	DT	APP	CHARLESTON, SC	WTAT 17 AP 900KW TUDP5	149.0
	W21CK-D	D15	DC	CP	CHARLOTTE, NC	BLANK0000027832	145.4
	WLTX	D15	DT	CP	COLUMBIA, SC	BLANK0000028035	96.0
	WAGT-CD	D16	DC	CP	AUGUSTA, GA	BLANK0000035762	216.7
	WSAV-TV	D16	DT	CP	SAVANNAH, GA	BLANK0000034780	286.2
	WPXU-TV	D16	DT	CP	JACKSONVILLE, NC	BLANK0000026976	212.2
	WXII-TV	D16	DT	CP	WINSTON-SALEM, NC	BLANK0000034697	239.8

	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
17209.3	623,965	17197.3	623,813	16854.7	610,471	16850.7	610,394

Undesired		Total IX	Unique IX, before	Unique IX, after
WTAT-TV D17 DT BL	16.1	86	16.1	86
WTAT-TV D17 DT APP	20.1	163		20.1
WLTX D15 DT CP	139.8	3,076	75.9	1,665
WAGT-CD D16 DC CP	8.0	118	0.0	0.0
WSAV-TV D16 DT CP	40.0	1,191	0.0	0.0
WPXU-TV D16 DT CP	43.9	3,457	4.0	90
WXII-TV D16 DT CP	238.6	11,304	174.8	7,722

Interference to BLANK0000034032 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WRAL-TV	D17	DT	CP	RALEIGH, NC	BLANK0000034032	

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Undesireds:	WTAT-TV	D17	DT	BL	CHARLESTON, SC	DTVBL416	322.3 km
	WTAT-TV	D17	DT	APP	CHARLESTON, SC	WTAT 17 AP 900KW TUDP5	322.3
	WPXU-TV	D16	DT	CP	JACKSONVILLE, NC	BLANK0000026976	161.6
	WXII-TV	D16	DT	CP	WINSTON-SALEM, NC	BLANK0000034697	183.3
	WHNS	D17	DT	CP	GREENVILLE, SC	BLANK0000024830	380.2
	WKTD-CD	D17	DC	LIC	PORTSMOUTH, VA	BLTA20050316ACC	221.1
	WVVA	D17	DT	CP	BLUEFIELD, WV	BLANK0000027470	295.2
	WCCB	D18	DT	CP	CHARLOTTE, NC	BLANK0000034433	204.8

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	50508.1	3,939,263	50236.6	3,933,878	49255.3	3,845,315	49219.7	3,844,971	0.07 0.01

Undesired					Total IX	Unique IX, before	Unique IX, after
WTAT-TV D17 DT BL	258.0				7,670	210.1	7,067
WTAT-TV D17 DT APP	297.7				8,042		245.8 7,411
WPXU-TV D16 DT CP	35.7				336	35.7	336
WXII-TV D16 DT CP	336.4				71,260	232.3	55,689 232.3 55,689
WHNS D17 DT CP	116.3				3,807	16.1	266 16.1 266
WKTD-CD D17 DC LIC	59.7				1,312	59.7	1,312 59.7 1,312
WVVA D17 DT CP	363.3				22,928	227.0	6,267 227.0 6,267
WCCB D18 DT CP	48.2				1,611	12.0	234 12.0 234

Interference to BLANK0000024830 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WHNS	D17	DT	CP	GREENVILLE, SC	BLANK0000024830	
Undesireds:	WTAT-TV	D17	DT	BL	CHARLESTON, SC	DTVBL416	371.1 km
	WTAT-TV	D17	DT	APP	CHARLESTON, SC	WTAT 17 AP 900KW TUDP5	371.1
	WAGT-CD	D16	DC	LIC	AUGUSTA, GA	BLANK0000001455	199.0
	WPXA-TV	D16	DT	CP	ROME, GA	BLANK0000034338	203.9
	WAPK-CD	D16	DC	CP	BRISTOL VA/KINGSPORT, TN	BLANK0000034342	147.3
	WAAY-TV	D17	DT	CP	HUNTSVILLE, AL	BLANK0000027632	354.3
	WLGA	D17	DT	CP	OPELIKA, AL	BLANK0000028626	373.0
	WKSO-TV	D17	DT	CP	SOMERSET, KY	BLANK0000025331	292.7
	WRAL-TV	D17	DT	CP	RALEIGH, NC	BLANK0000034032	380.2
	WVVA	D17	DT	CP	BLUEFIELD, WV	BLANK0000027470	266.9
	WCCB	D18	DT	CP	CHARLOTTE, NC	BLANK0000034433	177.1
	WPXK-TV	D18	DT	CP	JELICO, TN	BLANK0000026977	146.0

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	42319.4	2,549,610	34950.7	2,270,868	34561.1	2,253,321	34561.1	2,253,321	0.00 0.00

Undesired					Total IX	Unique IX, before	Unique IX, after
WTAT-TV D17 DT BL	7.9				79	0.0	0
WTAT-TV D17 DT APP	7.9				79		0.0 0
WPXA-TV D16 DT CP	4.0				752	4.0	752 4.0 752
WAPK-CD D16 DC CP	24.0				1,051	0.0	0 0.0 0
WAAY-TV D17 DT CP	8.1				0	0.0	0 0.0 0
WLGA D17 DT CP	63.6				2,155	63.6	2,155 63.6 2,155
WKSO-TV D17 DT CP	52.2				218	8.0	0 8.0 0
WRAL-TV D17 DT CP	68.4				3,545	20.2	1,584 20.2 1,584
WVVA D17 DT CP	213.3				10,272	136.9	7,151 136.9 7,151
WCCB D18 DT CP	68.6				3,233	48.4	2,363 48.4 2,363
WPXK-TV D18 DT CP	24.1				186	0.0	0 0.0 0

Interference to BLANK0000024830 CP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WHNS	D17	DT	CP	GREENVILLE, SC	BLANK0000024830	
Undesireds:	WTAT-TV	D17	DT	BL	CHARLESTON, SC	DTVBL416	371.1 km
	WTAT-TV	D17	DT	APP	CHARLESTON, SC	WTAT 17 AP 900KW TUDP5	371.1
	WAGT-CD	D16	DC	LIC	AUGUSTA, GA	BLANK0000001455	199.0
	WPXA-TV	D16	DT	CP	ROME, GA	BLANK0000034338	203.9

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WAPK-CD	D16	DC	CP	BRISTOL VA/KINGSPORT, TN	BLANK0000034342	147.3
WAAY-TV	D17	DT	CP	HUNTSVILLE, AL	BLANK0000027632	354.3
WLGA	D17	DT	CP	OPELIKA, AL	BLANK0000028626	373.0
WKSO-TV	D17	DT	APP	SOMERSET, KY	BLANK0000034631	292.7
WRAL-TV	D17	DT	CP	RALEIGH, NC	BLANK0000034032	380.2
WVVA	D17	DT	CP	BLUEFIELD, WV	BLANK0000027470	266.9
WCCB	D18	DT	CP	CHARLOTTE, NC	BLANK0000034433	177.1
WPXK-TV	D18	DT	CP	JELICO, TN	BLANK0000026977	146.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
42319.4 2,549,610	34950.7 2,270,868	34561.1 2,253,321	34561.1 2,253,321	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WTAT-TV D17 DT BL	7.9 79	0.0 0	
WTAT-TV D17 DT APP	7.9 79		0.0 0
WPXA-TV D16 DT CP	4.0 752	4.0 752	4.0 752
WAPK-CD D16 DC CP	24.0 1,051	0.0 0	0.0 0
WAAY-TV D17 DT CP	8.1 0	0.0 0	0.0 0
WLGA D17 DT CP	63.6 2,155	63.6 2,155	63.6 2,155
WKSO-TV D17 DT APP	52.2 218	8.0 0	8.0 0
WRAL-TV D17 DT CP	68.4 3,545	20.2 1,584	20.2 1,584
WVVA D17 DT CP	213.3 10,272	136.9 7,151	136.9 7,151
WCCB D18 DT CP	68.6 3,233	48.4 2,363	48.4 2,363
WPXK-TV D18 DT CP	24.1 186	0.0 0	0.0 0

Interference to BLANK0000024830 CP scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WHNS	D17	DT	CP	GREENVILLE, SC	BLANK0000024830	
Undesireds:	WTAT-TV	D17	DT	BL	CHARLESTON, SC	DTVBL416	371.1 km
	WTAT-TV	D17	DT	APP	CHARLESTON, SC	WTAT 17 AP 900KW TUDP5	371.1
	WAGT-CD	D16	DC	LIC	AUGUSTA, GA	BLANK0000001455	199.0
	WPXA-TV	D16	DT	CP	ROME, GA	BLANK0000034338	203.9
	WAPK-CD	D16	DC	CP	BRISTOL VA/KINGSPORT, TN	BLANK0000034342	147.3
	WAAY-TV	D17	DT	CP	HUNTSVILLE, AL	BLANK0000027632	354.3
	WLGA	D17	DD	APP	OPELIKA, AL	BLANK0000030376	302.1
	WKSO-TV	D17	DT	CP	SOMERSET, KY	BLANK0000025331	292.7
	WRAL-TV	D17	DT	CP	RALEIGH, NC	BLANK0000034032	380.2
	WVVA	D17	DT	CP	BLUEFIELD, WV	BLANK0000027470	266.9
	WCCB	D18	DT	CP	CHARLOTTE, NC	BLANK0000034433	177.1
	WPXK-TV	D18	DT	CP	JELICO, TN	BLANK0000026977	146.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
42319.4 2,549,610	34950.7 2,270,868	34549.1 2,253,999	34549.1 2,253,999	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WTAT-TV D17 DT BL	7.9 79	0.0 0	
WTAT-TV D17 DT APP	7.9 79		0.0 0
WPXA-TV D16 DT CP	4.0 752	4.0 752	4.0 752
WAPK-CD D16 DC CP	24.0 1,051	0.0 0	0.0 0
WAAY-TV D17 DT CP	8.1 0	0.0 0	0.0 0
WLGA D17 DD APP	79.6 1,477	75.6 1,477	75.6 1,477
WKSO-TV D17 DT CP	52.2 218	8.0 0	8.0 0
WRAL-TV D17 DT CP	68.4 3,545	20.2 1,584	20.2 1,584
WVVA D17 DT CP	213.3 10,272	136.9 7,151	136.9 7,151
WCCB D18 DT CP	68.6 3,233	48.4 2,363	48.4 2,363
WPXK-TV D18 DT CP	24.1 186	0.0 0	0.0 0

Interference to BLANK0000024830 CP scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WHNS	D17	DT	CP	GREENVILLE, SC	BLANK0000024830	
Undesireds:	WTAT-TV	D17	DT	BL	CHARLESTON, SC	DTVBL416	371.1 km
	WTAT-TV	D17	DT	APP	CHARLESTON, SC	WTAT 17 AP 900KW TUDP5	371.1

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WAGT-CD	D16	DC	LIC	AUGUSTA, GA	BLANK0000001455	199.0
WPXA-TV	D16	DT	CP	ROME, GA	BLANK0000034338	203.9
WAPK-CD	D16	DC	CP	BRISTOL VA/KINGSPORT, TN	BLANK0000034342	147.3
WAAY-TV	D17	DT	CP	HUNTSVILLE, AL	BLANK0000027632	354.3
WLGA	D17	DD	APP	OPELIKA, AL	BLANK0000030376	302.1
WKSO-TV	D17	DT	APP	SOMERSET, KY	BLANK0000034631	292.7
WRAL-TV	D17	DT	CP	RALEIGH, NC	BLANK0000034032	380.2
WVVA	D17	DT	CP	BLUEFIELD, WV	BLANK0000027470	266.9
WCCB	D18	DT	CP	CHARLOTTE, NC	BLANK0000034433	177.1
WPXK-TV	D18	DT	CP	JELICO, TN	BLANK0000026977	146.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
42319.4 2,549,610	34950.7 2,270,868	34549.1 2,253,999	34549.1 2,253,999	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WTAT-TV D17 DT BL	7.9 79	0.0 0	
WTAT-TV D17 DT APP	7.9 79		0.0 0
WPXA-TV D16 DT CP	4.0 752	4.0 752	4.0 752
WAPK-CD D16 DC CP	24.0 1,051	0.0 0	0.0 0
WAAY-TV D17 DT CP	8.1 0	0.0 0	0.0 0
WLGA D17 DD APP	79.6 1,477	75.6 1,477	75.6 1,477
WKSO-TV D17 DT APP	52.2 218	8.0 0	8.0 0
WRAL-TV D17 DT CP	68.4 3,545	20.2 1,584	20.2 1,584
WVVA D17 DT CP	213.3 10,272	136.9 7,151	136.9 7,151
WCCB D18 DT CP	68.6 3,233	48.4 2,363	48.4 2,363
WPXK-TV D18 DT CP	24.1 186	0.0 0	0.0 0

Interference to BLDTA20090616AAY LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WLCN-CD	D18	DC	LIC	CHARLESTON, SC	BLDTA20090616AAY	
Undesireds:	WTAT-TV	D17	DT	BL	CHARLESTON, SC	DTVBL416	40.9 km
	WTAT-TV	D17	DT	APP	CHARLESTON, SC	WTAT 17 AP 900KW TUDP5	40.9
	WCSC-TV	D19	DT	CP	CHARLESTON, SC	BLANK0000034155	41.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
3303.5 604,390	3303.5 604,390	3119.3 601,865	3095.3 601,608	0.77 0.04

Undesired	Total IX	Unique IX, before	Unique IX, after
WTAT-TV D17 DT BL	128.0 1,896	52.0 1,090	
WTAT-TV D17 DT APP	160.0 2,169		76.0 1,347
WCSC-TV D19 DT CP	132.1 1,435	56.1 629	48.1 613

Interference to proposal scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WTAT-TV	D17	DT	APP	CHARLESTON, SC	WTAT 17 AP 900KW TUDP5	
Undesireds:	WSAV-TV	D16	DT	CP	SAVANNAH, GA	BLANK0000034780	179.4 km
	WJPM-TV	D16	DT	CP	FLORENCE, SC	BLANK0000025028	149.0
	WFXU	D17	DT	CP	LIVE OAK, FL	BLANK0000026640	410.9
	WRAL-TV	D17	DT	CP	RALEIGH, NC	BLANK0000034032	322.3

Service area	Terrain-limited	IX-free	Percent IX
40650.1 1,159,634	40650.1 1,159,634	40509.3 1,158,421	0.35 0.10

Undesired	Total IX	Unique IX	Prcnt Unique IX
WSAV-TV D16 DT CP	104.8 72	104.8 72	0.26 0.01
WJPM-TV D16 DT CP	4.0 65	0.0 0	0.00 0.00
WRAL-TV D17 DT CP	36.1 1,141	32.1 1,076	0.08 0.09