



**STATEMENT OF JOHN E. HIDLE, P.E.  
IN SUPPORT OF AN APPLICATION FOR  
POST REPACK CONSTRUCTION PERMIT  
WWMB - FLORENCE, SOUTH CAROLINA  
DTV - CH. 26 - 448 kW - 581 m HAAT**

Prepared for: HSH MYRTLE BEACH (WWMB) 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 HSH MYRTLE BEACH (WWMB) LICENSEE, LLC, licensee of WWMB channel 21, facility ID number 3133, licensed to Florence, South Carolina, to prepare this statement, FCC Form 2100, Schedule A, its technical sections, and the associated exhibits in support of an application for construction permit, in accordance with the Incentive Auction Closing and Channel Reassignment Public Notice, DA 17-314, and the technical information provided in the confidential reassignment letter from the FCC announcing the substitution for DTV channel 21 with new DTV channel 26 to be used by WWMB for its post-reassignment broadcasting.

## **DIRECTIONAL ANTENNA**

The applicant proposes to install a new Dielectric model TFU-30DSC/VP-R 3BP260 elliptically polarized directional transmitting antenna with its center of radiation located at a height above ground of 579 meters, and a height above average terrain of 581 meters. The antenna manufacturer's directional horizontal plane azimuth radiation pattern for the horizontally polarized component is shown and tabulated in exhibit 2. The manufacturer's horizontal plane azimuth pattern for the vertically polarized component is shown and tabulated in exhibit 3. 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 4.

## **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 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 (39.95 dBu) contour, and the principal community (48 dBu) contour. The 48 dBu contour completely encompasses the principal community of license, Florence, South Carolina.

## **ALLOCATION CONSIDERATIONS**

### ***Post-Transition DTV Considerations***

A study was performed, using the FCC's software, tv\_study, v. 2.2.2, 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. The study also shows that WWMB's proposed service area is within the baseline plus 1%. (See Appendix B)

### ***International DTV Considerations***

The WWMB site is located 855.5 kilometers from the nearest point on the US-Canadian border, and is 1,926.8 kilometers from the nearest point on the US/Mexican border. The site is located beyond either the Canadian or the Mexican coordination distance.

## **BLANKETING AND INTERMODULATION INTERFERENCE**

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

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**WWMB - Florence, South Carolina**  
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frequency in MHZ by 0.3.

The predicted emissions of WWMB must be considered, in addition to predicted emissions from any other proposed or existing stations at the site. For WWMB, which will operate on television Channel 26 (542-548 MHZ), the MPE is 363.33 microwatts per centimeter squared ( $\mu\text{W}/\text{cm}^2$ ) in an "uncontrolled" environment and 1,816.7  $\mu\text{W}/\text{cm}^2$  in a "controlled" environment. The proposed WWMB facility will operate with a maximum ERP of 448 kW from an elliptically polarized directional transmitting antenna with a centerline height of 579 meters above ground level (AGL). Considering a conservative predicted vertical plane relative field factor of 0.300 the WWMB facility is predicted to produce a power density at two meters above ground level of 8.092  $\mu\text{W}/\text{cm}^2$ , which is 2.23% of the FCC guideline value for an "uncontrolled" environment, and 0.446% of the FCC's guideline value for "controlled" environments. There is one other full-power DTV facility and two LPTV DTV facilities that are located at the WWMB site. The total estimated percentage of the ANSI value at the proposed site, including the cumulative radiation from all authorizations located within the relevant proximity, is 5.29% of the limit applicable to "uncontrolled" environments, and 1.058% of the limit for "controlled" environments. (See Appendix A)

**OCCUPATIONAL SAFETY**

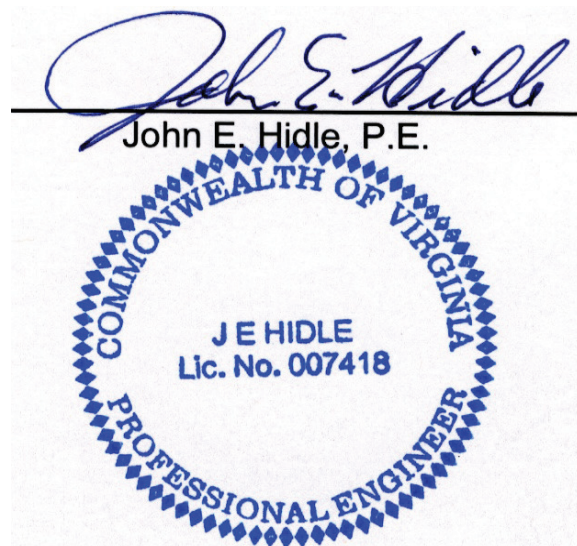
The licensee of WWMB is committed to the protection of station personnel and/or tower contractors working in the vicinity of the WWMB antenna, and is committed to reducing power or ceasing operation during times of maintenance of the transmission systems, when necessary, to ensure protection to personnel.

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**SUMMARY**

It is submitted that the instant application for construction permit to change WWMB from channel 21 to channel 26, 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: June 19, 2017







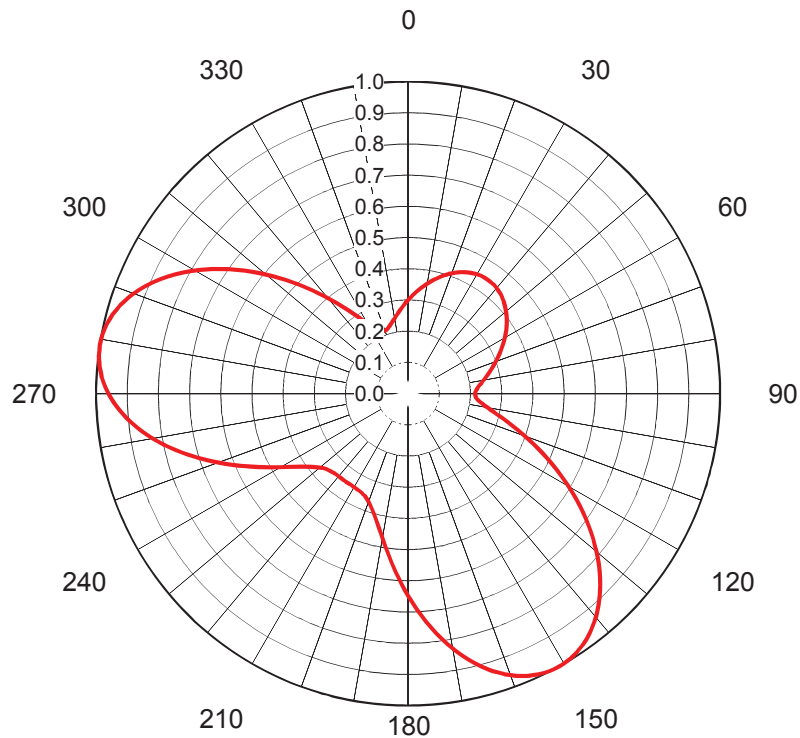
## PREDICTED COVERAGE CONTOURS

WWMB - FLORENCE, SOUTH CAROLINA  
DTV Channel 26 - 448 kW ERP - 581 M HAAT  
JUNE, 2017

Predicted Noise Limited 39.95 dBu  
F(50,90) Coverage Contour



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



## AZIMUTH PATTERN Horizontal Polarization

In Free Space

Proposal No. **C-70527**  
 Date **16-Mar-17**  
 Call Letters **WWMB**  
 Channel **26**  
 Frequency **545 MHz**  
 Antenna Type **TFU-30DSC/VP-R 3BP260**  
 Gain **2.87 (4.58dB)**  
 Calculated

Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value
0	0.299	36	0.445	72	0.288	108	0.365	144	0.973	180	0.647	216	0.345	252	0.686	288	0.956
1	0.305	37	0.445	73	0.282	109	0.382	145	0.980	181	0.628	217	0.346	253	0.705	289	0.947
2	0.311	38	0.444	74	0.277	110	0.399	146	0.985	182	0.609	218	0.346	254	0.724	290	0.936
3	0.317	39	0.443	75	0.271	111	0.417	147	0.991	183	0.590	219	0.346	255	0.742	291	0.925
4	0.323	40	0.441	76	0.266	112	0.436	148	0.994	184	0.572	220	0.346	256	0.761	292	0.912
5	0.329	41	0.440	77	0.261	113	0.454	149	0.997	185	0.554	221	0.346	257	0.779	293	0.900
6	0.335	42	0.438	78	0.255	114	0.474	150	0.999	186	0.536	222	0.347	258	0.796	294	0.886
7	0.341	43	0.435	79	0.250	115	0.493	151	1.000	187	0.519	223	0.348	259	0.814	295	0.871
8	0.346	44	0.432	80	0.246	116	0.513	152	0.999	188	0.503	224	0.350	260	0.831	296	0.856
9	0.352	45	0.429	81	0.241	117	0.533	153	0.998	189	0.486	225	0.351	261	0.847	297	0.840
10	0.358	46	0.426	82	0.237	118	0.553	154	0.996	190	0.472	226	0.354	262	0.862	298	0.824
11	0.364	47	0.423	83	0.232	119	0.573	155	0.993	191	0.457	227	0.356	263	0.878	299	0.807
12	0.369	48	0.419	84	0.229	120	0.594	156	0.988	192	0.444	228	0.360	264	0.892	300	0.789
13	0.375	49	0.415	85	0.225	121	0.614	157	0.983	193	0.431	229	0.364	265	0.905	301	0.771
14	0.381	50	0.410	86	0.222	122	0.634	158	0.976	194	0.419	230	0.369	266	0.918	302	0.752
15	0.386	51	0.406	87	0.219	123	0.655	159	0.969	195	0.408	231	0.375	267	0.930	303	0.733
16	0.391	52	0.401	88	0.218	124	0.675	160	0.960	196	0.399	232	0.382	268	0.941	304	0.714
17	0.396	53	0.396	89	0.216	125	0.695	161	0.951	197	0.390	233	0.390	269	0.951	305	0.695
18	0.401	54	0.391	90	0.215	126	0.714	162	0.941	198	0.382	234	0.399	270	0.960	306	0.675
19	0.406	55	0.386	91	0.215	127	0.733	163	0.930	199	0.375	235	0.408	271	0.969	307	0.655
20	0.410	56	0.381	92	0.216	128	0.752	164	0.918	200	0.369	236	0.419	272	0.976	308	0.634
21	0.415	57	0.375	93	0.217	129	0.771	165	0.905	201	0.364	237	0.431	273	0.983	309	0.614
22	0.419	58	0.370	94	0.221	130	0.789	166	0.892	202	0.360	238	0.444	274	0.988	310	0.594
23	0.423	59	0.364	95	0.224	131	0.807	167	0.878	203	0.356	239	0.457	275	0.993	311	0.573
24	0.426	60	0.358	96	0.229	132	0.824	168	0.862	204	0.354	240	0.472	276	0.996	312	0.553
25	0.429	61	0.352	97	0.234	133	0.840	169	0.847	205	0.351	241	0.486	277	0.998	313	0.533
26	0.432	62	0.346	98	0.242	134	0.856	170	0.831	206	0.350	242	0.503	278	0.999	314	0.513
27	0.435	63	0.341	99	0.249	135	0.871	171	0.814	207	0.348	243	0.519	279	1.000	315	0.493
28	0.438	64	0.335	100	0.259	136	0.886	172	0.796	208	0.347	244	0.536	280	0.999	316	0.474
29	0.440	65	0.329	101	0.268	137	0.900	173	0.779	209	0.346	245	0.554	281	0.997	317	0.454
30	0.441	66	0.323	102	0.280	138	0.913	174	0.761	210	0.346	246	0.572	282	0.994	318	0.436
31	0.443	67	0.317	103	0.292	139	0.925	175	0.742	211	0.346	247	0.590	283	0.991	319	0.417
32	0.444	68	0.311	104	0.305	140	0.936	176	0.723	212	0.346	248	0.609	284	0.985	320	0.399
33	0.445	69	0.305	105	0.319	141	0.947	177	0.705	213	0.346	249	0.628	285	0.980	321	0.382
34	0.445	70	0.299	106	0.334	142	0.956	178	0.686	214	0.345	250	0.647	286	0.973	322	0.365
35	0.446	71	0.294	107	0.349	143	0.965	179	0.666	215	0.345	251	0.666	287	0.965	323	0.349

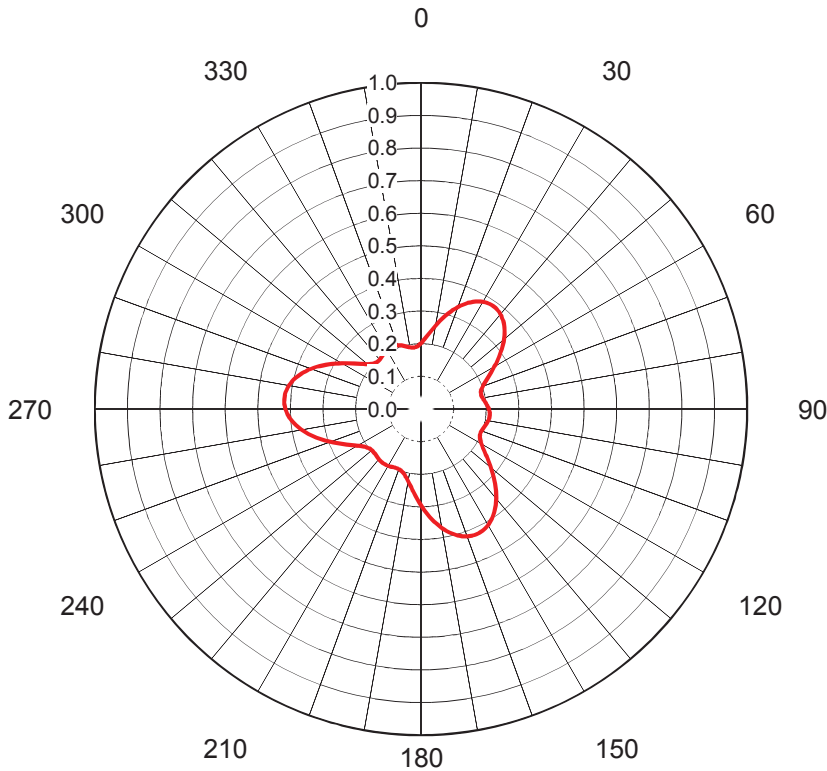
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## AZIMUTH PATTERN Vertical Polarization

In Free Space

Proposal No. **C-70527**  
Date **16-Mar-17**  
Call Letters **WWMB**  
Channel **26**  
Frequency **545 MHz**  
Antenna Type **TFU-30DSC/VP-R 3BP260**  
Gain **2.15 (3.33dB)**  
Calculated



Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value
0	0.201	36	0.385	72	0.195	108	0.199	144	0.385	180	0.295	216	0.203	252	0.311	288	0.373
1	0.205	37	0.384	73	0.193	109	0.198	145	0.390	181	0.287	217	0.202	253	0.319	289	0.366
2	0.210	38	0.383	74	0.191	110	0.197	146	0.395	182	0.279	218	0.202	254	0.327	290	0.359
3	0.215	39	0.381	75	0.190	111	0.197	147	0.400	183	0.271	219	0.202	255	0.335	291	0.352
4	0.220	40	0.379	76	0.190	112	0.197	148	0.404	184	0.264	220	0.201	256	0.342	292	0.345
5	0.226	41	0.376	77	0.190	113	0.197	149	0.408	185	0.256	221	0.200	257	0.350	293	0.337
6	0.232	42	0.373	78	0.190	114	0.198	150	0.411	186	0.249	222	0.200	258	0.357	294	0.329
7	0.239	43	0.370	79	0.191	115	0.199	151	0.414	187	0.243	223	0.199	259	0.364	295	0.321
8	0.246	44	0.365	80	0.192	116	0.201	152	0.416	188	0.236	224	0.198	260	0.371	296	0.313
9	0.253	45	0.361	81	0.193	117	0.203	153	0.418	189	0.230	225	0.197	261	0.377	297	0.305
10	0.260	46	0.356	82	0.195	118	0.206	154	0.419	190	0.225	226	0.197	262	0.383	298	0.296
11	0.268	47	0.351	83	0.197	119	0.210	155	0.420	191	0.220	227	0.196	263	0.388	299	0.288
12	0.275	48	0.345	84	0.198	120	0.214	156	0.420	192	0.215	228	0.196	264	0.394	300	0.280
13	0.283	49	0.339	85	0.200	121	0.219	157	0.420	193	0.211	229	0.196	265	0.398	301	0.272
14	0.290	50	0.333	86	0.202	122	0.224	158	0.419	194	0.208	230	0.197	266	0.403	302	0.264
15	0.298	51	0.326	87	0.204	123	0.230	159	0.417	195	0.205	231	0.197	267	0.407	303	0.257
16	0.305	52	0.319	88	0.205	124	0.236	160	0.415	196	0.202	232	0.198	268	0.410	304	0.249
17	0.312	53	0.312	89	0.207	125	0.242	161	0.413	197	0.200	233	0.200	269	0.413	305	0.242
18	0.319	54	0.305	90	0.208	126	0.249	162	0.410	198	0.198	234	0.202	270	0.415	306	0.236
19	0.326	55	0.298	91	0.209	127	0.257	163	0.407	199	0.197	235	0.205	271	0.417	307	0.230
20	0.333	56	0.290	92	0.210	128	0.264	164	0.403	200	0.197	236	0.208	272	0.419	308	0.224
21	0.339	57	0.283	93	0.211	129	0.272	165	0.398	201	0.196	237	0.211	273	0.420	309	0.219
22	0.345	58	0.275	94	0.211	130	0.280	166	0.394	202	0.196	238	0.215	274	0.420	310	0.214
23	0.351	59	0.268	95	0.212	131	0.288	167	0.388	203	0.196	239	0.220	275	0.420	311	0.210
24	0.356	60	0.260	96	0.212	132	0.296	168	0.383	204	0.197	240	0.225	276	0.419	312	0.206
25	0.361	61	0.253	97	0.211	133	0.305	169	0.377	205	0.197	241	0.230	277	0.418	313	0.203
26	0.365	62	0.246	98	0.211	134	0.313	170	0.371	206	0.198	242	0.236	278	0.416	314	0.201
27	0.370	63	0.239	99	0.210	135	0.321	171	0.364	207	0.199	243	0.243	279	0.414	315	0.199
28	0.373	64	0.232	100	0.209	136	0.329	172	0.357	208	0.200	244	0.249	280	0.411	316	0.198
29	0.376	65	0.226	101	0.208	137	0.337	173	0.350	209	0.200	245	0.256	281	0.408	317	0.197
30	0.379	66	0.220	102	0.207	138	0.345	174	0.342	210	0.201	246	0.264	282	0.404	318	0.197
31	0.381	67	0.215	103	0.206	139	0.352	175	0.335	211	0.202	247	0.271	283	0.400	319	0.197
32	0.383	68	0.210	104	0.204	140	0.359	176	0.327	212	0.202	248	0.279	284	0.395	320	0.197
33	0.384	69	0.205	105	0.203	141	0.366	177	0.319	213	0.202	249	0.287	285	0.390	321	0.198
34	0.385	70	0.201	106	0.202	142	0.373	178	0.311	214	0.203	250	0.295	286	0.385	322	0.199
35	0.385	71	0.198	107	0.200	143	0.379	179	0.303	215	0.203	251	0.303	287	0.379	323	0.200

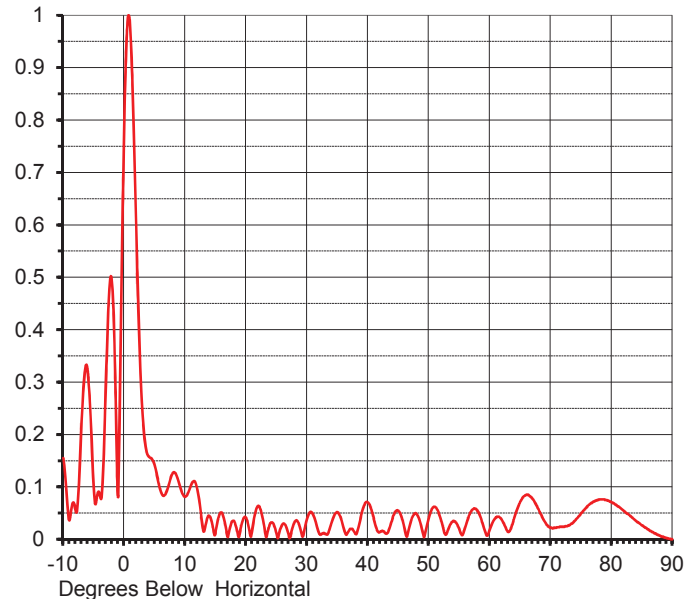
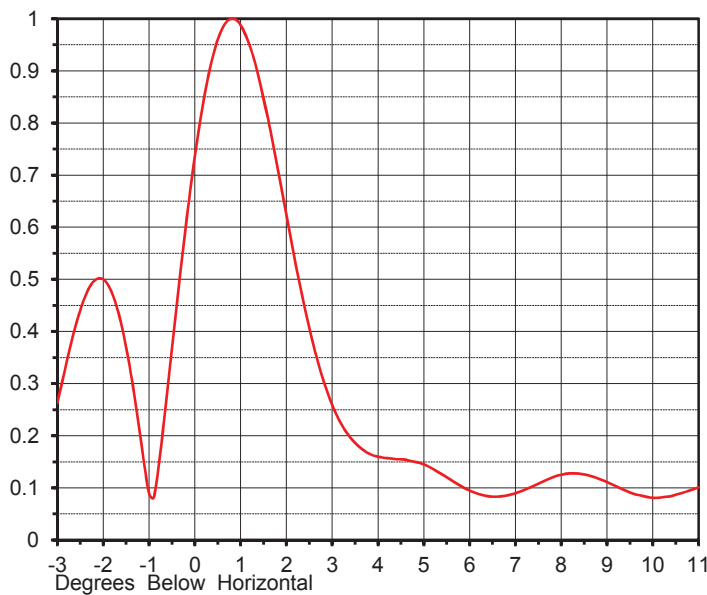
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## ELEVATION PATTERN

Proposal No. **C-70527**  
 Date **16-Mar-17**  
 Call Letters **WWMB**  
 Channel **26**  
 Frequency **545 MHz**  
 Antenna Type **TFU-30DSC/VP-R 3BP260**

RMS Directivity at Main Lobe **22.0 ( 13.42 dB )**  
 RMS Directivity at Horizontal **13.9 ( 11.43 dB )**  
**Calculated**

Beam Tilt **0.70 deg**  
 Pattern Number **30Q220070**



Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.155	10.0	0.081	30.0	0.039	50.0	0.042	70.0	0.022
-9.0	0.036	11.0	0.104	31.0	0.047	51.0	0.062	71.0	0.023
-8.0	0.056	12.0	0.095	32.0	0.011	52.0	0.036	72.0	0.024
-7.0	0.222	13.0	0.015	33.0	0.010	53.0	0.013	73.0	0.027
-6.0	0.321	14.0	0.044	34.0	0.031	54.0	0.035	74.0	0.036
-5.0	0.096	15.0	0.014	35.0	0.051	55.0	0.019	75.0	0.050
-4.0	0.084	16.0	0.051	36.0	0.022	56.0	0.024	76.0	0.063
-3.0	0.302	17.0	0.004	37.0	0.019	57.0	0.055	77.0	0.072
-2.0	0.490	18.0	0.035	38.0	0.010	58.0	0.054	78.0	0.076
-1.0	0.081	19.0	0.014	39.0	0.051	59.0	0.023	79.0	0.075
0.0	0.795	20.0	0.041	40.0	0.070	60.0	0.019	80.0	0.071
1.0	0.971	21.0	0.018	41.0	0.037	61.0	0.042	81.0	0.063
2.0	0.576	22.0	0.064	42.0	0.014	62.0	0.036	82.0	0.054
3.0	0.239	23.0	0.021	43.0	0.011	63.0	0.014	83.0	0.045
4.0	0.158	24.0	0.031	44.0	0.039	64.0	0.040	84.0	0.035
5.0	0.141	25.0	0.010	45.0	0.054	65.0	0.072	85.0	0.026
6.0	0.091	26.0	0.029	46.0	0.020	66.0	0.085	86.0	0.019
7.0	0.093	27.0	0.007	47.0	0.033	67.0	0.077	87.0	0.012
8.0	0.127	28.0	0.034	48.0	0.048	68.0	0.057	88.0	0.006
9.0	0.107	29.0	0.015	49.0	0.012	69.0	0.034	89.0	0.002
								90.0	0.000

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## SUMMARY OF RADIOFREQUENCY

### RADIATION STUDY

WWMB, Florence, SC

Channel 26, 448 kW, 581 m HAAT

May, 2017

<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 (<math>\mu\text{W}/\text{cm}^2</math>)</u>	<u>FCC UNCONTROLLED LIMIT (<math>\mu\text{W}/\text{cm}^2</math>)</u>	<u>PERCENT OF UNCONTROLLED LIMIT</u>
WWMB	DT	26	545	H & V	579	448,000	0.300	8.092	363.33	2.23%
WPDE-TV	DT	27	551	H & V	598	543,000	0.300	9.193	367.33	2.50%
W15DC-D	DT	15	479	H	100	3,000	0.300	0.939	319.33	0.29%
WEQA-LD (CP)	DT	22	521	H	100	3,000	0.300	0.939	347.33	0.27%
<b>TOTAL PERCENTAGE OF FCC GUIDELINE VALUE =</b>										<b>5.29%</b>

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



## WWMB - FLORENCE, SOUTH CAROLINA Longley-Rice Interference Analysis

tvstudy v2.2.2

Database: localhost, Study: WWMB\_26\_581H\_448K\_AP, Model: Longley-Rice  
Start: 2017.06.19 11:22:10

Study created: 2017.06.19 11:22:04

Study build station data: LMS TV 2017-06-15 (17)

Proposal: WWMB D26 DT APP FLORENCE, SC  
File number: WWMB\_26\_581H\_448K\_AP  
Facility ID: 3133  
Station data: User record  
Record ID: 636  
Country: U.S.  
Zone: II

Non-U.S. records included

Stations potentially affected:

Call	Chan	Svc	Status	City, State	File Number	Distance
WJZY	D25	DT	BL	BELMONT, NC	DTVBL73152	199.8 km
WUNK-TV	D25	DT	BL	GREENVILLE, NC	DTVBL69149	205.3
WCIV	D25	DT	BL	CHARLESTON, SC	DTVBL9015	162.2
WZRB	D25	DT	BL	COLUMBIA, SC	DTVBL136750	157.4
WGXA	D26	DT	BL	MACON, GA	DTVBL58262	431.0
WGPX-TV	D26	DT	BL	BURLINGTON, NC	DTVBL65074	211.1
WNEH	D26	DT	APP	GREENWOOD, SC	BLANK0000025027	260.3
WNEH	D26	DT	BL	GREENWOOD, SC	DTVBL60931	260.4
WTGS	D26	DT	BL	HARDEEVILLE, SC	DTVBL27245	318.6
WATE-TV	D26	DT	LIC	KNOXVILLE, TN	BMLCDT20041203AEG	456.7
WHTJ	D26	DT	BL	CHARLOTTESVILLE, VA	DTVBL9990	409.0
WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	253.1
WPDE-TV	D27	DT	BL	FLORENCE, SC	DTVBL17012	0.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D26  
Latitude: 34 22 3.00 N (NAD83)  
Longitude: 79 19 48.00 W  
Height AMSL: 611.6 m  
HAAT: 581.0 m  
Peak ERP: 448 kW  
Antenna: DIE-TFU-30DSC-R3BP290DC (ID 87879) 0.0 deg

40.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	40.1 kW	572.2 m	92.9 km
45.0	81.1	572.3	98.9
90.0	20.7	581.4	88.0

**Appendix B - Interference Analysis**  
**WWMB - Florence, South Carolina**  
**Channel 26 - 448 kW - Page 2**

135.0	333	587.3	112.0
180.0	188	582.8	106.7
225.0	57.3	582.3	96.5
270.0	413	579.3	113.5
315.0	110	574.5	101.7

Database HAAT does not agree with computed HAAT  
 Database HAAT: 581 m    Computed HAAT: 579 m

ERP exceeds maximum  
 ERP: 448 kW    ERP maximum: 352 kW

Proposal service area is within baseline plus 1.0%  
 Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 855.5 km

Distance to Mexican border: 1926.8 km

Conditions at FCC monitoring station: Powder Springs GA  
 Bearing: 265.1 degrees    Distance: 499.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
 Bearing: 293.3 degrees    Distance: 2369.3 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 DTVBL73152 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WJZY	D25	DT	BL	BELMONT, NC	DTVBL73152	
Undesireds:	WWMB	D26	DT	BL	FLORENCE, SC	DTVBL3133	199.8 km
	WWMB	D26	DT	APP	FLORENCE, SC	WWMB_26_581H_448K_AP	199.8
	WCNC-TV	D24	DT	BL	CHARLOTTE, NC	DTVBL32326	2.2
	WETP-TV	D24	DT	BL	SNEEDVILLE, TN	DTVBL18252	214.7
	WATL	D25	DT	LIC	ATLANTA, GA	BLCDT20020716AAH	338.8
	WUPX-TV	D25	DT	BL	MOREHEAD, KY	DTVBL23128	359.0
	WUNK-TV	D25	DT	BL	GREENVILLE, NC	DTVBL69149	322.4
	WCIV	D25	DT	BL	CHARLESTON, SC	DTVBL9015	300.8
	WZRB	D25	DT	BL	COLUMBIA, SC	DTVBL136750	147.2
	WYHB-CD	D25	DC	CP	CHATTANOOGA, TN	BLANK0000024558	374.7
	WLFB	D25	DT	BL	BLUEFIELD, WV	DTVBL37806	206.7
	WGPX-TV	D26	DT	BL	BURLINGTON, NC	DTVBL65074	167.2
	WNEH	D26	DT	APP	GREENWOOD, SC	BLANK0000025027	143.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
42287.5    4,053,625	40390.6    3,951,899	38184.1    3,897,809	38184.1    3,897,809	0.00    0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WWMB D26 DT BL	67.5	1,723	27.8    598
WWMB D26 DT APP	63.5	1,720	27.8    598
WCNC-TV D24 DT BL	203.9	8,603	199.9    8,547
WATL D25 DT LIC	51.7	4,870	15.9    4,142

**Appendix B - Interference Analysis  
WWMB - Florence, South Carolina  
Channel 26 - 448 kW - Page 3**

WUNK-TV D25 DT BL	316.6	13,018	152.9	8,137	152.9	8,137
WCIV D25 DT BL	314.5	5,498	51.7	1,799	51.7	1,799
WZRB D25 DT BL	1565.9	21,815	1279.1	16,652	1279.1	16,652
WLFB D25 DT BL	136.7	6,920	96.5	5,684	96.5	5,684
WGPX-TV D26 DT BL	4.0	793	0.0	0	0.0	0
WNEH D26 DT APP	39.8	1,110	27.8	854	27.8	854

-----  
Interference to DTVBL73152 BL, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WJZY	D25	DT	BL	BELMONT, NC	DTVBL73152	
Undesireds:	WWMB	D26	DT	BL	FLORENCE, SC	DTVBL3133	199.8 km
	WWMB	D26	DT	APP	FLORENCE, SC	WWMB_26_581H_448K_AP	199.8
	WCNC-TV	D24	DT	BL	CHARLOTTE, NC	DTVBL32326	2.2
	WETP-TV	D24	DT	BL	SNEEDVILLE, TN	DTVBL18252	214.7
	WATL	D25	DT	LIC	ATLANTA, GA	BLCDDT20020716AAH	338.8
	WUPX-TV	D25	DT	BL	MOREHEAD, KY	DTVBL23128	359.0
	WUNK-TV	D25	DT	BL	GREENVILLE, NC	DTVBL69149	322.4
	WCIV	D25	DT	BL	CHARLESTON, SC	DTVBL9015	300.8
	WZRB	D25	DT	BL	COLUMBIA, SC	DTVBL136750	147.2
	WYHB-CD	D25	DC	CP	CHATTANOOGA, TN	BLANK0000024558	374.7
	WLFB	D25	DT	BL	BLUEFIELD, WV	DTVBL37806	206.7
	WGPX-TV	D26	DT	BL	BURLINGTON, NC	DTVBL65074	167.2
	WNEH	D26	DT	BL	GREENWOOD, SC	DTVBL60931	143.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
42287.5	4,053,625	40390.6	3,951,899	38188.1	3,898,179	38188.1	3,898,179	0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
WWMB D26 DT BL	67.5	1,723	27.8	598		
WWMB D26 DT APP	63.5	1,720			27.8	598
WCNC-TV D24 DT BL	203.9	8,603	199.9	8,547	199.9	8,547
WATL D25 DT LIC	51.7	4,870	15.9	4,142	15.9	4,142
WUNK-TV D25 DT BL	316.6	13,018	152.9	8,137	152.9	8,137
WCIV D25 DT BL	314.5	5,498	51.7	1,799	51.7	1,799
WZRB D25 DT BL	1565.9	21,815	1279.1	16,652	1279.1	16,652
WLFB D25 DT BL	136.7	6,920	96.5	5,684	96.5	5,684
WGPX-TV D26 DT BL	4.0	793	0.0	0	0.0	0
WNEH D26 DT BL	35.8	740	23.9	484	23.9	484

-----  
Interference to DTVBL73152 BL, scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WJZY	D25	DT	BL	BELMONT, NC	DTVBL73152	
Undesireds:	WWMB	D26	DT	BL	FLORENCE, SC	DTVBL3133	199.8 km
	WWMB	D26	DT	APP	FLORENCE, SC	WWMB_26_581H_448K_AP	199.8
	WCNC-TV	D24	DT	BL	CHARLOTTE, NC	DTVBL32326	2.2
	WETP-TV	D24	DT	BL	SNEEDVILLE, TN	DTVBL18252	214.7
	WATL	D25	DT	LIC	ATLANTA, GA	BLCDDT20020716AAH	338.8
	WUPX-TV	D25	DT	BL	MOREHEAD, KY	DTVBL23128	359.0
	WUNK-TV	D25	DT	BL	GREENVILLE, NC	DTVBL69149	322.4
	WCIV	D25	DT	BL	CHARLESTON, SC	DTVBL9015	300.8
	WZRB	D25	DT	BL	COLUMBIA, SC	DTVBL136750	147.2
	WYHB-CD	D25	DC	BL	CHATTANOOGA, TN	DTVBL167588	374.7
	WLFB	D25	DT	BL	BLUEFIELD, WV	DTVBL37806	206.7
	WGPX-TV	D26	DT	BL	BURLINGTON, NC	DTVBL65074	167.2
	WNEH	D26	DT	APP	GREENWOOD, SC	BLANK0000025027	143.7



**Appendix B - Interference Analysis**  
**WWMB - Florence, South Carolina**  
**Channel 26 - 448 kW - Page 4**

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
42287.5 4,053,625	40390.6 3,951,899	38184.1 3,897,809	38184.1 3,897,809	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WWMB D26 DT BL	67.5 1,723	27.8 598	
WWMB D26 DT APP	63.5 1,720		27.8 598
WCNC-TV D24 DT BL	203.9 8,603	199.9 8,547	199.9 8,547
WATL D25 DT LIC	51.7 4,870	15.9 4,142	15.9 4,142
WUNK-TV D25 DT BL	316.6 13,018	152.9 8,137	152.9 8,137
WCIV D25 DT BL	314.5 5,498	51.7 1,799	51.7 1,799
WZRB D25 DT BL	1565.9 21,815	1279.1 16,652	1279.1 16,652
WLFB D25 DT BL	136.7 6,920	96.5 5,684	96.5 5,684
WGPX-TV D26 DT BL	4.0 793	0.0 0	0.0 0
WNEH D26 DT APP	39.8 1,110	27.8 854	27.8 854

-----  
Interference to DTVBL73152 BL, scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WJZY	D25	DT	BL	BELMONT, NC	DTVBL73152	
Undesireds:	WWMB	D26	DT	BL	FLORENCE, SC	DTVBL3133	199.8 km
	WWMB	D26	DT	APP	FLORENCE, SC	WWMB_26_581H_448K_AP	199.8
	WCNC-TV	D24	DT	BL	CHARLOTTE, NC	DTVBL32326	2.2
	WETP-TV	D24	DT	BL	SNEEDVILLE, TN	DTVBL18252	214.7
	WATL	D25	DT	LIC	ATLANTA, GA	BLCDDT20020716AAH	338.8
	WUPX-TV	D25	DT	BL	MOREHEAD, KY	DTVBL23128	359.0
	WUNK-TV	D25	DT	BL	GREENVILLE, NC	DTVBL69149	322.4
	WCIV	D25	DT	BL	CHARLESTON, SC	DTVBL9015	300.8
	WZRB	D25	DT	BL	COLUMBIA, SC	DTVBL136750	147.2
	WYHB-CD	D25	DC	BL	CHATTANOOGA, TN	DTVBL167588	374.7
	WLFB	D25	DT	BL	BLUEFIELD, WV	DTVBL37806	206.7
	WGPX-TV	D26	DT	BL	BURLINGTON, NC	DTVBL65074	167.2
	WNEH	D26	DT	BL	GREENWOOD, SC	DTVBL60931	143.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
42287.5 4,053,625	40390.6 3,951,899	38188.1 3,898,179	38188.1 3,898,179	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WWMB D26 DT BL	67.5 1,723	27.8 598	
WWMB D26 DT APP	63.5 1,720		27.8 598
WCNC-TV D24 DT BL	203.9 8,603	199.9 8,547	199.9 8,547
WATL D25 DT LIC	51.7 4,870	15.9 4,142	15.9 4,142
WUNK-TV D25 DT BL	316.6 13,018	152.9 8,137	152.9 8,137
WCIV D25 DT BL	314.5 5,498	51.7 1,799	51.7 1,799
WZRB D25 DT BL	1565.9 21,815	1279.1 16,652	1279.1 16,652
WLFB D25 DT BL	136.7 6,920	96.5 5,684	96.5 5,684
WGPX-TV D26 DT BL	4.0 793	0.0 0	0.0 0
WNEH D26 DT BL	35.8 740	23.9 484	23.9 484

-----  
Interference to DTVBL69149 BL, scenario 1  
Proposal causes no interference.

-----  
Interference to DTVBL9015 BL, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WCIV	D25	DT	BL	CHARLESTON, SC	DTVBL9015	

**Appendix B - Interference Analysis  
WWMB - Florence, South Carolina  
Channel 26 - 448 kW - Page 5**

Undesireds:	WWMB	D26	DT	BL	FLORENCE, SC	DTVBL3133	162.2 km
	WWMB	D26	DT	APP	FLORENCE, SC	WWMB_26_581H_448K_AP	162.2
	WWAY	D24	DT	BL	WILMINGTON, NC	DTVBL12033	192.5
	WJZY	D25	DT	BL	BELMONT, NC	DTVBL73152	300.8
	WUNK-TV	D25	DT	BL	GREENVILLE, NC	DTVBL69149	348.3
	WZRB	D25	DT	BL	COLUMBIA, SC	DTVBL136750	172.1
	WTGS	D26	DT	BL	HARDEEVILLE, SC	DTVBL27245	183.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
36405.2 1,125,558	36405.2 1,125,558	36304.8 1,120,281	36304.8 1,120,281	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WWMB D26 DT BL	52.2 5,011	52.2 5,011	
WWMB D26 DT APP	52.2 5,011		52.2 5,011
WJZY D25 DT BL	4.0 67	0.0 0	0.0 0
WZRB D25 DT BL	48.2 266	44.2 199	44.2 199

-----  
Interference to DTVBL136750 BL, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WZRB	D25	DT	BL	COLUMBIA, SC	DTVBL136750	
Undesireds:	WWMB	D26	DT	BL	FLORENCE, SC	DTVBL3133	157.4 km
	WWMB	D26	DT	APP	FLORENCE, SC	WWMB_26_581H_448K_AP	157.4
	WCNC-TV	D24	DT	BL	CHARLOTTE, NC	DTVBL32326	145.7
	WATL	D25	DT	LIC	ATLANTA, GA	BLCDDT20020716AAH	309.3
	WJZY	D25	DT	BL	BELMONT, NC	DTVBL73152	147.2
	WUNK-TV	D25	DT	BL	GREENVILLE, NC	DTVBL69149	352.4
	WCIV	D25	DT	BL	CHARLESTON, SC	DTVBL9015	172.1
	WLFB	D25	DT	BL	BLUEFIELD, WV	DTVBL37806	353.8
	WNEH	D26	DT	APP	GREENWOOD, SC	BLANK0000025027	113.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
13608.8 952,390	13508.6 951,763	9597.5 786,289	9597.5 786,289	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WWMB D26 DT BL	12.0 158	0.0 0	
WWMB D26 DT APP	12.0 158		0.0 0
WCNC-TV D24 DT BL	11.9 197	0.0 0	0.0 0
WATL D25 DT LIC	36.0 208	0.0 0	0.0 0
WJZY D25 DT BL	3117.4 80,180	1917.4 37,597	1917.4 37,597
WUNK-TV D25 DT BL	8.0 22	0.0 0	0.0 0
WCIV D25 DT BL	1981.7 127,711	793.7 85,294	793.7 85,294

-----  
Interference to DTVBL136750 BL, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WZRB	D25	DT	BL	COLUMBIA, SC	DTVBL136750	
Undesireds:	WWMB	D26	DT	BL	FLORENCE, SC	DTVBL3133	157.4 km
	WWMB	D26	DT	APP	FLORENCE, SC	WWMB_26_581H_448K_AP	157.4
	WCNC-TV	D24	DT	BL	CHARLOTTE, NC	DTVBL32326	145.7
	WATL	D25	DT	LIC	ATLANTA, GA	BLCDDT20020716AAH	309.3
	WJZY	D25	DT	BL	BELMONT, NC	DTVBL73152	147.2
	WUNK-TV	D25	DT	BL	GREENVILLE, NC	DTVBL69149	352.4
	WCIV	D25	DT	BL	CHARLESTON, SC	DTVBL9015	172.1
	WLFB	D25	DT	BL	BLUEFIELD, WV	DTVBL37806	353.8
	WNEH	D26	DT	BL	GREENWOOD, SC	DTVBL60931	113.6

**Appendix B - Interference Analysis  
 WWMB - Florence, South Carolina  
 Channel 26 - 448 kW - Page 6**

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
13608.8 952,390	13508.6 951,763	9597.5 786,289	9597.5 786,289	0.00 0.00
Undesired	Total IX	Unique IX, before	Unique IX, after	
WWMB D26 DT BL	12.0 158	0.0 0		
WWMB D26 DT APP	12.0 158		0.0 0	
WCNC-TV D24 DT BL	11.9 197	0.0 0	0.0 0	
WATL D25 DT LIC	36.0 208	0.0 0	0.0 0	
WJZY D25 DT BL	3117.4 80,180	1917.4 37,597	1917.4 37,597	
WUNK-TV D25 DT BL	8.0 22	0.0 0	0.0 0	
WCIV D25 DT BL	1981.7 127,711	793.7 85,294	793.7 85,294	

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 Interference to DTVBL136750 BL, scenario 3

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: WZRB	D25	DT	BL	COLUMBIA, SC	DTVBL136750	
Undesireds: WWMB	D26	DT	BL	FLORENCE, SC	DTVBL3133	157.4 km
WWMB	D26	DT	APP	FLORENCE, SC	WWMB_26_581H_448K_AP	157.4
WCNC-TV	D24	DT	BL	CHARLOTTE, NC	DTVBL32326	145.7
WATL	D25	DT	LIC	ATLANTA, GA	BLCDT20020716AAH	309.3
WJZY	D25	DT	BL	BELMONT, NC	DTVBL73152	147.2
WUNK-TV	D25	DT	BL	GREENVILLE, NC	DTVBL69149	352.4
WCIV	D25	DT	BL	CHARLESTON, SC	DTVBL9015	172.1
WLFB	D25	DT	BL	BLUEFIELD, WV	DTVBL37806	353.8
WNEH	D26	DT	APP	GREENWOOD, SC	BLANK0000025027	113.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
13608.8 952,390	13508.6 951,763	9597.5 786,289	9597.5 786,289	0.00 0.00
Undesired	Total IX	Unique IX, before	Unique IX, after	
WWMB D26 DT BL	12.0 158	0.0 0		
WWMB D26 DT APP	12.0 158		0.0 0	
WCNC-TV D24 DT BL	11.9 197	0.0 0	0.0 0	
WATL D25 DT LIC	36.0 208	0.0 0	0.0 0	
WJZY D25 DT BL	3117.4 80,180	1917.4 37,597	1917.4 37,597	
WUNK-TV D25 DT BL	8.0 22	0.0 0	0.0 0	
WCIV D25 DT BL	1981.7 127,711	793.7 85,294	793.7 85,294	

-----  
 Interference to DTVBL136750 BL, scenario 4

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: WZRB	D25	DT	BL	COLUMBIA, SC	DTVBL136750	
Undesireds: WWMB	D26	DT	BL	FLORENCE, SC	DTVBL3133	157.4 km
WWMB	D26	DT	APP	FLORENCE, SC	WWMB_26_581H_448K_AP	157.4
WCNC-TV	D24	DT	BL	CHARLOTTE, NC	DTVBL32326	145.7
WATL	D25	DT	LIC	ATLANTA, GA	BLCDT20020716AAH	309.3
WJZY	D25	DT	BL	BELMONT, NC	DTVBL73152	147.2
WUNK-TV	D25	DT	BL	GREENVILLE, NC	DTVBL69149	352.4
WCIV	D25	DT	BL	CHARLESTON, SC	DTVBL9015	172.1
WLFB	D25	DT	BL	BLUEFIELD, WV	DTVBL37806	353.8
WNEH	D26	DT	BL	GREENWOOD, SC	DTVBL60931	113.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
13608.8 952,390	13508.6 951,763	9597.5 786,289	9597.5 786,289	0.00 0.00
Undesired	Total IX	Unique IX, before	Unique IX, after	
WWMB D26 DT BL	12.0 158	0.0 0		

**Appendix B - Interference Analysis  
WWMB - Florence, South Carolina  
Channel 26 - 448 kW - Page 7**

WWMB D26 DT APP	12.0	158			0.0	0
WCNC-TV D24 DT BL	11.9	197	0.0	0	0.0	0
WATL D25 DT LIC	36.0	208	0.0	0	0.0	0
WJZY D25 DT BL	3117.4	80,180	1917.4	37,597	1917.4	37,597
WUNK-TV D25 DT BL	8.0	22	0.0	0	0.0	0
WCIV D25 DT BL	1981.7	127,711	793.7	85,294	793.7	85,294

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Interference to DTVBL58262 BL, scenario 1  
Proposal causes no interference.

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Interference to DTVBL58262 BL, scenario 2  
Proposal causes no interference.

-----  
Interference to DTVBL58262 BL, scenario 3  
Proposal causes no interference.

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Interference to DTVBL58262 BL, scenario 4  
Proposal causes no interference.

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Interference to DTVBL65074 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WGFX-TV	D26	DT	BL	BURLINGTON, NC	DTVBL65074	
Undesireds:	WWMB	D26	DT	BL	FLORENCE, SC	DTVBL3133	211.2 km
	WWMB	D26	DT	APP	FLORENCE, SC	WWMB_26_581H_448K_AP	211.1
	WJZY	D25	DT	BL	BELMONT, NC	DTVBL73152	167.2
	WGPT	D26	DT	BL	OAKLAND, MD	DTVBL40619	352.2
	WNEH	D26	DT	APP	GREENWOOD, SC	BLANK0000025027	308.9
	WHTJ	D26	DT	BL	CHARLOTTESVILLE, VA	DTVBL9990	219.0
	WAZW-CD	D26	DC	BL	WOODSTOCK, VA	DTVBL168449	323.2
	WGTV-CD	D27	DC	BL	CHARLOTTE, NC	DTVBL70097	167.2
	WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	163.1
	WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251	114.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
17162.0 1,952,062	16769.3 1,918,800	16560.2 1,901,228	16568.3 1,901,473	-0.05 -0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
WWMB D26 DT BL	152.9 15,632	140.8 12,374	
WWMB D26 DT APP	144.8 15,387		132.8 12,129
WJZY D25 DT BL	4.0 546	0.0 0	0.0 0
WNEH D26 DT APP	16.1 3,952	4.0 218	4.0 218
WHTJ D26 DT BL	16.0 499	4.0 354	4.0 354
WPXR-TV D27 DT BL	44.1 822	36.1 747	36.1 747

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Interference to DTVBL65074 BL, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WGFX-TV	D26	DT	BL	BURLINGTON, NC	DTVBL65074	
Undesireds:	WWMB	D26	DT	BL	FLORENCE, SC	DTVBL3133	211.2 km
	WWMB	D26	DT	APP	FLORENCE, SC	WWMB_26_581H_448K_AP	211.1
	WJZY	D25	DT	BL	BELMONT, NC	DTVBL73152	167.2
	WGPT	D26	DT	BL	OAKLAND, MD	DTVBL40619	352.2

**Appendix B - Interference Analysis**  
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WNEH	D26	DT	BL	GREENWOOD, SC	DTVBL60931	308.9
WHTJ	D26	DT	BL	CHARLOTTESVILLE, VA	DTVBL9990	219.0
WAZW-CD	D26	DC	BL	WOODSTOCK, VA	DTVBL168449	323.2
WGTB-CD	D27	DC	BL	CHARLOTTE, NC	DTVBL70097	167.2
WUNP-TV	D27	DT	BL	ROANOKE RAPIDS, NC	DTVBL69397	163.1
WPXR-TV	D27	DT	BL	ROANOKE, VA	DTVBL70251	114.2

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
17162.0	1,952,062	16769.3	1,918,800	16556.2	1,900,654	16564.3	1,900,899	-0.05	-0.01

Undesired			Total IX		Unique IX, before		Unique IX, after	
WWMB	D26	DT BL	152.9	15,632	140.8	12,374		
WWMB	D26	DT APP	144.8	15,387			132.8	12,129
WJZY	D25	DT BL	4.0	546	0.0	0	0.0	0
WNEH	D26	DT BL	20.1	4,526	8.0	792	8.0	792
WHTJ	D26	DT BL	16.0	499	4.0	354	4.0	354
WPXR-TV	D27	DT BL	44.1	822	36.1	747	36.1	747

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Interference to BLANK0000025027 APP, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WNEH	D26	DT	APP	GREENWOOD, SC	BLANK0000025027	
Undesireds:	WWMB	D26	DT	BL	FLORENCE, SC	DTVBL3133	260.3 km
	WWMB	D26	DT	APP	FLORENCE, SC	WWMB_26_581H_448K_AP	260.3
	WJZY	D25	DT	BL	BELMONT, NC	DTVBL73152	143.7
	WZRB	D25	DT	BL	COLUMBIA, SC	DTVBL136750	113.6
	WYBU-CD	D26	DC	BL	COLUMBUS, GA	DTVBL17544	341.5
	WGXA	D26	DT	BL	MACON, GA	DTVBL58262	221.7
	WGPX-TV	D26	DT	BL	BURLINGTON, NC	DTVBL65074	308.9
	WTGS	D26	DT	BL	HARDEEVILLE, SC	DTVBL27245	269.7
	WATE-TV	D26	DT	LIC	KNOXVILLE, TN	BMLCDT20041203AEG	242.6
	WUNW	D27	DT	LIC	CANTON, NC	BLEDT20110921AAA	149.1
	WGTB-CD	D27	DC	BL	CHARLOTTE, NC	DTVBL70097	143.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
18297.7	1,261,482	18190.3	1,255,218	17850.7	1,241,831	17850.7	1,241,831	0.00	0.00

Undesired			Total IX		Unique IX, before		Unique IX, after	
WWMB	D26	DT BL	63.6	7,108	23.9	3,485		
WWMB	D26	DT APP	63.6	7,108			23.9	3,485
WJZY	D25	DT BL	55.6	1,914	43.7	732	43.7	732
WGXA	D26	DT BL	244.0	8,932	144.0	4,428	144.0	4,428
WGPX-TV	D26	DT BL	4.0	0	0.0	0	0.0	0
WTGS	D26	DT BL	84.4	849	24.1	197	24.1	197

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Interference to DTVBL60931 BL, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WNEH	D26	DT	BL	GREENWOOD, SC	DTVBL60931	
Undesireds:	WWMB	D26	DT	BL	FLORENCE, SC	DTVBL3133	260.3 km
	WWMB	D26	DT	APP	FLORENCE, SC	WWMB_26_581H_448K_AP	260.4
	WJZY	D25	DT	BL	BELMONT, NC	DTVBL73152	143.7
	WZRB	D25	DT	BL	COLUMBIA, SC	DTVBL136750	113.6
	WYBU-CD	D26	DC	BL	COLUMBUS, GA	DTVBL17544	341.5
	WGXA	D26	DT	BL	MACON, GA	DTVBL58262	221.7
	WGPX-TV	D26	DT	BL	BURLINGTON, NC	DTVBL65074	308.9
	WTGS	D26	DT	BL	HARDEEVILLE, SC	DTVBL27245	269.7

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WATE-TV	D26	DT	LIC	KNOXVILLE, TN	BMLCDT20041203AEG	242.6
WUNW	D27	DT	LIC	CANTON, NC	BLEDT20110921AAA	149.1
WGTB-CD	D27	DC	BL	CHARLOTTE, NC	DTVBL70097	143.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
17990.3	1,248,421	17875.0	1,241,843	17563.4	1,229,804	17563.4	1,229,804	0.00	0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
WWMB D26 DT BL	63.6	8,253	15.9	3,161
WWMB D26 DT APP	63.6	8,253		
WJZY D25 DT BL	63.5	2,230	35.7	667
WGXA D26 DT BL	231.9	8,009	132.1	1,915
WGPX-TV D26 DT BL	4.0	0	0.0	0
WTGS D26 DT BL	68.3	585	16.1	129

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Interference to DTVBL27245 BL, scenario 1  
Proposal causes no interference.

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Interference to DTVBL27245 BL, scenario 2  
Proposal causes no interference.

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Interference to DTVBL27245 BL, scenario 3  
Proposal causes no interference.

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Interference to DTVBL27245 BL, scenario 4  
Proposal causes no interference.

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Interference to BMLCDT20041203AEG LIC, scenario 1  
Proposal causes no interference.

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Interference to BMLCDT20041203AEG LIC, scenario 2  
Proposal causes no interference.

-----  
Interference to BMLCDT20041203AEG LIC, scenario 3  
Proposal causes no interference.

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Interference to BMLCDT20041203AEG LIC, scenario 4  
Proposal causes no interference.

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Interference to DTVBL9990 BL, scenario 1  
Proposal causes no interference.

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Interference to DTVBL69397 BL, scenario 1  
Proposal causes no interference.

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Interference to DTVBL17012 BL, scenario 1  
Proposal causes no interference.

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Interference to DTVBL17012 BL, scenario 2



**Appendix B - Interference Analysis**  
**WWMB - Florence, South Carolina**  
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Proposal causes no interference.

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Interference to proposal, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WWMB	D26	DT	APP	FLORENCE, SC	WWMB_26_581H_448K_AP	
Undesireds:	WJZY	D25	DT	BL	BELMONT, NC	DTVBL73152	199.8 km
	WCIV	D25	DT	BL	CHARLESTON, SC	DTVBL9015	162.2
	WZRB	D25	DT	BL	COLUMBIA, SC	DTVBL136750	157.4
	WGPX-TV	D26	DT	BL	BURLINGTON, NC	DTVBL65074	211.1
	WNEH	D26	DT	APP	GREENWOOD, SC	BLANK0000025027	260.3
	WTGS	D26	DT	BL	HARDEEVILLE, SC	DTVBL27245	318.6
	WGTV-CD	D27	DC	BL	CHARLOTTE, NC	DTVBL70097	199.8
	WPDE-TV	D27	DT	BL	FLORENCE, SC	DTVBL17012	0.0

Service area	Terrain-limited	IX-free	Percent IX
32360.8 1,460,406	32210.1 1,458,310	31888.7 1,451,672	1.00 0.46

Undesired	Total IX	Unique IX	Prcnt Unique IX
WJZY D25 DT BL	4.0 136	0.0 0	0.00 0.00
WGPX-TV D26 DT BL	186.1 3,890	130.6 3,151	0.41 0.22
WNEH D26 DT APP	135.3 2,208	79.8 1,469	0.25 0.10
WPDE-TV D27 DT BL	55.5 1,279	55.5 1,279	0.17 0.09

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Interference to proposal, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WWMB	D26	DT	APP	FLORENCE, SC	WWMB_26_581H_448K_AP	
Undesireds:	WJZY	D25	DT	BL	BELMONT, NC	DTVBL73152	199.8 km
	WCIV	D25	DT	BL	CHARLESTON, SC	DTVBL9015	162.2
	WZRB	D25	DT	BL	COLUMBIA, SC	DTVBL136750	157.4
	WGPX-TV	D26	DT	BL	BURLINGTON, NC	DTVBL65074	211.1
	WNEH	D26	DT	BL	GREENWOOD, SC	DTVBL60931	260.4
	WTGS	D26	DT	BL	HARDEEVILLE, SC	DTVBL27245	318.6
	WGTV-CD	D27	DC	BL	CHARLOTTE, NC	DTVBL70097	199.8
	WPDE-TV	D27	DT	BL	FLORENCE, SC	DTVBL17012	0.0

Service area	Terrain-limited	IX-free	Percent IX
32360.8 1,460,406	32210.1 1,458,310	31892.7 1,451,690	0.99 0.45

Undesired	Total IX	Unique IX	Prcnt Unique IX
WJZY D25 DT BL	4.0 136	0.0 0	0.00 0.00
WGPX-TV D26 DT BL	186.1 3,890	134.6 3,221	0.42 0.22
WNEH D26 DT BL	127.3 2,120	75.8 1,451	0.24 0.10
WPDE-TV D27 DT BL	55.5 1,279	55.5 1,279	0.17 0.09