

STATEMENT OF JOHN E. HIDLE, P.E. IN SUPPORT OF AN AMENDMENT TO A PETITION TO AMEND THE DIGITAL TELEVISION TABLE OF ALLOTMENTS WCYB-TV - BRISTOL, VIRGINIA DTV - CH. 35 - 1000 kW - 755 m HAAT

Prepared for: SINCLAIR MEDIA 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, No. 7418, and in New York State, No. 63418. **GENERAL**

This office has been authorized by SINCLAIR MEDIA LICENSEE, LLC, licensee of WCYB-TV, channel 5, licensed to Bristol, Virginia, to prepare this statement in support of a Petition to Amend the Digital Television (DTV) Post Repack Table of Allotments, §73.622(i) of the FCC Rules. DTV channel 5 is the channel currently specified in the Digital Television Table of Allotments for WCYB-TV. The petitioner requests that §73.622(I) of the Commission's Rules be modified to substitute DTV channel 35 for DTV channel 5.

FCC staff has requested additional information regarding the population predicted to be served by the proposed channel 35 facility versus the population served by WCYB-TV's pre-transition channel 5 facility, BLCDT-20080317AFS. Since all subsequent ERP increases were to address viewer complaints the petitioner is eligible to use this facility. The instant amendment provides the requested information. Additionally the applicant requests an ERP increase, a non-directional antenna and a change to channel 35.

Otherwise there are no substantive changes proposed in the pending application.

PURPOSE OF APPLICATION

The proposed arrangement of allotments is made to enhance potential viewers' ability to more easily receive the broadcast signal of WCYB-TV. The serious propagation problems associated with digital television broadcast (DTV) use of low-VHF television channels (2-6) are very well established both before and especially after the initial digital transition on June 12, 2009. These propagation and reception problems for channels 2-6 are severe enough for the FCC to have granted, in Zone I where the ERP limit is 10 kW, the use of Effective Radiated Powers (ERPs) of more than 3 times the Zone I limit, for several stations, and those station are still struggling with propagation problems and the subsequent viewer complaints. This proposal seeks to remedy this well known systemic problem in this instance and to provide viewers with a significant improvement in reception capability.

HISTORY OF ALLOTMENTS

The initial DTV Table of Allotments is set forth as Appendix B in the **SECOND MEMORANDUM OPINION AND ORDER ON RECONSIDERATION OF THE FIFTH AND SIXTH REPORT AND ORDERS**, Adopted: November 14, 1998 and Released: December 18, 1998. (FCC 98-315). In that Table of Allotments WCYB-TV was allotted a second DTV channel. That initial allotment was for UHF channel 28 with an ERP of 1000 kW at a height above average terrain (HAAT) of 680 meters. Although allotted an ERP of 1000 kW the licensee of WCYB-TV submitted an application for a DTV construction permit, BPCDT-

19990913AAI, seeking on channel 28 an ERP of only 129 kW at a HAAT of 659 meters. That CP was granted and licensed as BLCDT-20000605AOO. In 2002 WCYB-TV submitted an application, BMPCDT-20020808AAK, to increase its channel 28 ERP to 183.5 kW and its HAAT to 757 meters.

In 2005 the licensee of WCYB-TV submitted a Digital Channel Election Form 382, BFRECT-20050209AIL, in which channel 5 was chosen to be WCYB-TV's ultimate DTV channel. In 2008 the initial application for a digital construction permit on channel 5, BPCDT-20080327AFS, was submitted and granted on April 1, 2008. The authorized DTV facility was for an ERP of 7.1 kW at a HAAT of 743 meters. This facility was implemented on June 12, 2009 by a "flash-cut" to channel 5.

RATIONAL FOR REQUEST

The licensee of WCYB-TV has been dealing with severe reception problems since the station was "flash-cut" to channel 5 when the analog shutdown occurred on June 12, 2009 and simultaneously the channel 28 DTV facility was also shut down. When the channel 5 analog signal was removed and replaced on channel 5 with WCYB-TV's initial permitted DTV ERP of only 7.1 kW the station immediately realized that it had just suffered an extreme and severe loss of viewership and began to realize the extent of the extreme reception problems. The licensee quickly applied for, and was granted an STA, BDSTA-20090708AGZ, to increase its ERP to 29.9 kW, an increase of 6.25 dB and subsequently licensed (BLCDT-20100629AUD). The ERP increase helped but has not provided a real long-term solution to the Low-VHF DTV propagation problems that WCYB-TV has suffered

for the last 11 years, with very few options for any effective solutions. It is common knowledge that the use and operation of digital television stations on low-VHF channels is an extremely frustrating endeavor. The attendant reception problems for the most part seem particularly intractable. One significant fundamental problem for low-VHF channels is the difficulty of obtaining, or even locating a source for, receiving antennas that can properly function on these channels. Even if low-VHF antennas were readily available the size is prohibitive. VHF antennas that were formerly commonly available for analog reception exhibited very poor performance on the low-VHF channels. In one instance a stacked Yagi VHF antenna was measured and compared to a reference dipole antenna in the same position at 30 feet above the ground. The antenna's gain measured minus 4 dB on channel 4! That is 8 dB less that the ideal Low-VHF antenna specified in the DTV planning factors which when elevated to 30 feet AGL should provide usable reception from a signal strength of 28 dBu. A search for VHF antennas that are currently available reveals that many manufacturers specify their VHF antennas only for channels 7-13. No useful antennas, no 30 foot masts, no reception. Yet another blow for DTV stations that broadcast on Low-VHF channels.

An additional contributor to reception problems on channels 2-6 is the background noise which exists in that spectrum. Measurements suggest that the "Noise Limited Contour" signal level of 28 dBu, even if suitable receiving antennas were available, is woefully inadequate to support reception on these channels. Even in the Appendix A Technical Data contained in the Sixth Report and Order (FCC 97-115), on page A-3 the

Noise-Limited Services are listed for Low-VHF channels to be 37 dBu, for High-VHF channels to be 44 dBu and for UHF channels to be 50 dBu. Experiences related by technical personnel at low-VHF stations question even 37 dBu as a viable level for successful reception, and leads to serious questions about the future viability of low-VHF channels. WCYB-TV's licensee has heretofore been unable to consider a truly effective solution to its reception problems, until now. WCYB-TV's licensee now seeks an effective solution: change to a UHF channel.

ATSC 3.0 PERMISSIBLE DTV STANDARD

A more immediate concern is the future migration to the ATSC 3.0 permissible standard for over-the-air DTV and the multitude of potential benefits expected to accrue. Probably the most anticipated benefit is the ability to reach portable and mobile devices that have become the essence of the ubiquitous smart-phone culture. However, these devices must be small to fit the culture. Therein lies the intractable problem for VHF DTV stations. Channel 5, for example, has a wavelength of 12.5 feet. A simple half-wave dipole antenna, used as a reference with 0 dB gain, must be 6.25 feet long. The DTV planning factors set forth in the Sixth Report and Order (FCC 97-115) call for an antenna with 4 dB of gain elevated to 30 feet above the ground to just barely receive a signal at a strength of 28 dBu. An antenna for channel 5 with 4 dB of gain would measure 6.25 feet wide and at least 15 to 18 feet long. Channel 6 requires an antenna more than 5 feet wide. Channel 13 requires an antenna more than two feet wide. Obviously the required size of antennas for VHF channels precludes their use in the smart-phone culture. Therefore

WCYB-TV will be precluded from participation in ATSC 3.0 serving the portable and mobile users of these services. WCYB-TV's licensee has heretofore been unable to consider a truly effective solution to its reception problems, and sees absolutely no viable solution to the portable, mobile problem.

WCYB-TV's licensee has determined that the proposed migration to channel 35 will be a favorable arrangement of allotments based on the enhanced signal levels that will be delivered to a majority of the population within the station's "protected service area". The licensee fervently believes that changing WCYB-TV to operate on channel 35 will solve a vast majority of its current reception problems.

DEMONSTRATION OF RETENTION OF PREDICTED POPULATION

As required by FCC policy, when existing stations proposed to change facilities in a manner that could affect the population that is located within its protected Noise Limited coverage contour that station's licensee must demonstrate that the proposed change will not result in an unacceptable loss of existing potential viewers.

As discussed above, the salient comparison between the existing operation and the proposed channel 35 facility is the original channel 5 DTV authorization, BPCDT-20080317AFS, which was implemented by "Flash-cut" on Friday, June 12, 2009. The unexpected shocking result, the overwhelming numbers of viewer complaints that day, precipitated an immediate request for STA to increase ERP, BDSTA-20090624ADR then BDSTA-20090708AGZ which ultimately was licensed as BLCDT-20100629AUD. The resulting licensed increase in ERP was clearly, as stated in the requests, a distinct result

of the licensee's fervent quest to recover disaffected viewers and was in no way at all intended to expand the station's Noise Limited protected coverage area. For this reason the license may compare the proposal with the original authorization.

As shown in the associated map exhibit the Noise Limited Contour (28 dBu) for channel 5 extends small distances in some directions. However, WCYB-TV is an affiliate of the NBC network and, as shown in the included map exhibit, there are six other DTV stations that are affiliates of the NBC network that each overlaps some parts of these "loss" areas between WCYB-TV's channel 5 contour and the proposed channel 35 contour. In the aggregate these six NBC affiliates overlap 100% of these "loss" areas.

DETERMINATION OF THE "LARGEST STATION IN THE MARKET"

It appears from an analysis of the stations that are licensed to communities located in the Tri-Cities, Virginia Designated Market Area (DMA) that the largest station in geographic area is the WCYB-TV itself, license file number, BLCDT-20100629AUD, for channel 5, Bristol, Virginia with a predicted 28 dBu noise limited contour coverage area of 66,791 square kilometers. The instant application to change WCYB-TV's channel to 35 with an ERP of 1000 kW results in a predicted 40.77 dBu noise limited contour coverage area of 51,410 square kilometers. The channel 35 facility is intended to replicate WCYB-TV's channel 5 DTV authorization and is therefore entitled, according to Section 73.622(f)(5), to the herein proposed channel 35 ERP of 1000 kW.

TECHNICAL STUDY

An engineering study of all pertinent allotments, assignments, applications, construction permits and DTV licenses reveals that DTV channel 35 can be allotted to Bristol, Virginia in lieu of channel 5, and meet all of the Commission's interference criteria.

The allotment reference coordinates for DTV channel 35 at Bristol, Virginia: 36 26' 58.2" N.L. and 82 06' 28.7" W.L.¹ The Bristol allotment reference site meets the allotment standards in §73.616(b); the requirements set forth in §73.616(f); the requirements set forth in §73.623(e), the requirement set forth in §73.623(f), and the principal community coverage requirements set forth in §73.625(a).

The petitioner proposes to install a new Dielectric model TFU-33ETT/VP-R O6 nondirectional antenna for channel 35 at a centerline height above mean sea level (AMSL) of 1400 meters and 755 meters above average terrain. The proposed changes include the new non-directional antenna, an increase in ERP to 1000 kW and a change from channel 5 to channel 35. These changes affect the predicted Radio Frequency Radiation Safety considerations which have been revised. All other station parameters are to remain unchanged.

ALLOCATION CONSIDERATIONS

Post-Transition DTV Considerations

A study was performed, using the FCC's software, tvstudy v2.2.5, to determine if the

¹ The channel 35 DTV allotment reference coordinates are the same as the DTV channel 5 allotment reference coordinates (as defined in Section 73.622(i) of the FCC Rules) of the petitioner's licensed WCYB-TV, Bristol, Virginia tower site. BLCDT-20100629AUD (See FCC tower registration number 1225306).

instant petition to amend the post-transition Table is predicted to cause new prohibited interference to DTV stations, construction permits or DTV allotments. Results of the study indicate that the instant petition is predicted to cause no new interference greater than 0.5% to the populations served by any full-power DTV station, construction permit or allotment. See Appendix B. These results comply with the 0.5% limit for new post-repack interference set forth in §73.616(e) of the Commission's Rules.

International DTV Considerations

The WCYB-TV site is located more than 500 kilometers from the nearest point on either the US-Mexican border or the US-Canadian border. Therefore there are no international considerations.

Class A Television Allocation Considerations

As required in Section 73.616(f) of the FCC's Rules, the study results contained in Appendix B showed that there is no Class A station that is predicted to be affected by the proposed re-allotment of WCYB-TV to channel 35.

Land Mobile and FM radio Considerations

The *tvstudy* results found no Land Mobile violations for this site, and the site is deemed OK toward AM radio stations.

RADIO FREQUENCY IMPACT, SAFETY & STATEMENT OF COMPLIANCE

The licensee of WCYB-TV is committed to the protection of station personnel and/or tower contractors working in the vicinity of the WCYB-TV antenna and will reduce power or cease operation, when necessary, to ensure protection to personnel.

As shown in Appendix A the WCYB-TV channel 35 request for Amendment of the Table of Allotments as proposed herein will operate with a maximum ERP of 1000 kW from an elliptically polarized non-directional transmitting antenna with a centerline height of 116 meters above ground level (AGL). Considering the elevation pattern submitted elsewhere in this submission, the vertical plane relative field factor is less than 0.100 at all depression angles greater than 9 degrees. The proposed WCYB-TV channel 35 facility is predicted to produce a worst-case power density at two meters above ground level, at 65.8 meters from the tower base, of 2.409 μ W/cm², which is 0.60% of the FCC guideline value of 399.33 μ W/cm² for an "uncontrolled" environment, and 0.120% of the FCC's guideline value for "controlled" environments. Therefore, pursuant to Section 1.1307(b)(3) of the FCC Rules, because the proposed facility would not exceed 5% of the uncontrolled and controlled exposure limits, the proposal's power density contribution is considered insignificant.

Further, the Applicant will continue to cooperate/coordinate with other site users and reduce power and/or cease operation during times of service or maintenance of the transmission systems as necessary to avoid potentially harmful exposure to personnel. In light of the above, the proposed facility should be categorically excluded from RF environmental processing under Section 1.1307(b) of the Commission's Rules.

SUMMARY

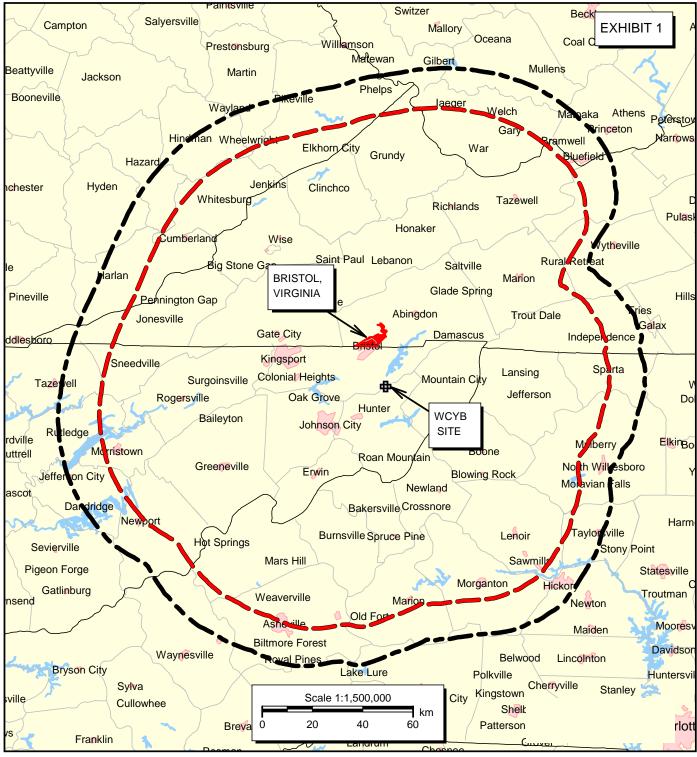
It is submitted that the instant Amendment to the pending Petition to Amend the DTV Table of Allotments to substitute DTV channel 35 for DTV channel 5 in Bristol,

Carl T. Jones Corporation 7901 Yarnwood Court, Springfield, Virginia 22153-2827 (703) 569-7704 Fax: (703) 569-6417

Virginia, as described herein, complies with the Rules, Regulations and relevant Policies of the Federal Communications Commission. This statement was prepared by me, or under my direct supervision, and its contents are believed to be true and correct to the best of my knowledge and belief.

DATED: February 19, 2021

JEHIDLE Lic. No. 007418



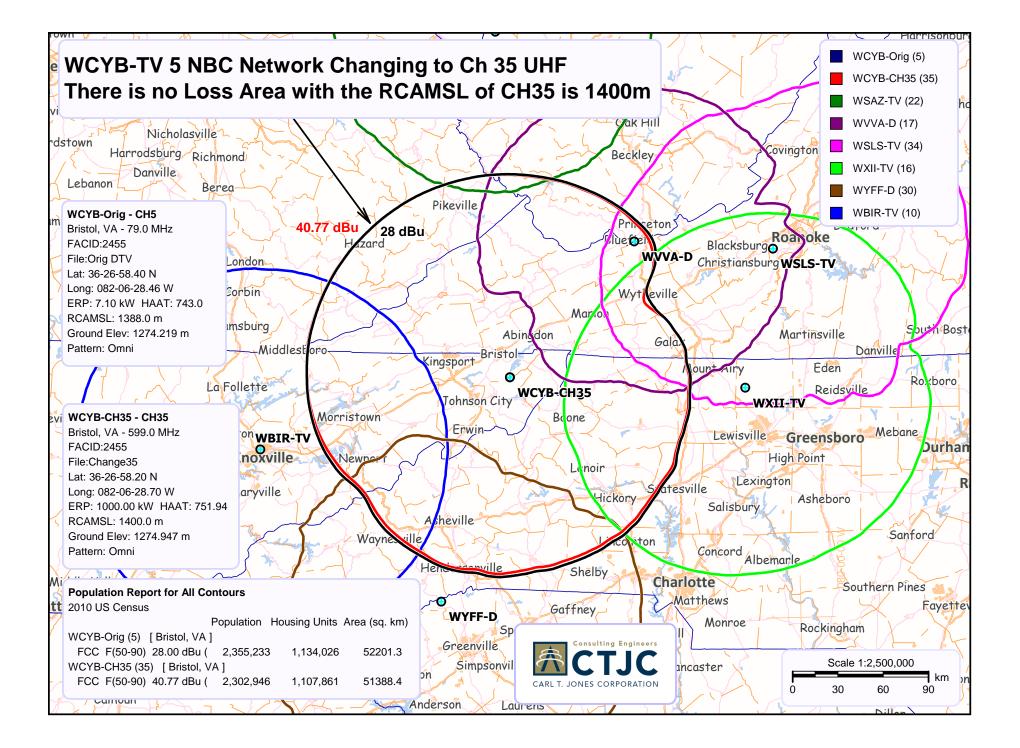
PREDICTED COVERAGE CONTOURS

WCYB-TV, BRISTOL, VA DTV CHANNEL 35 - 1000 kW ERP - 755 M HAAT FEBRUARY, 2021

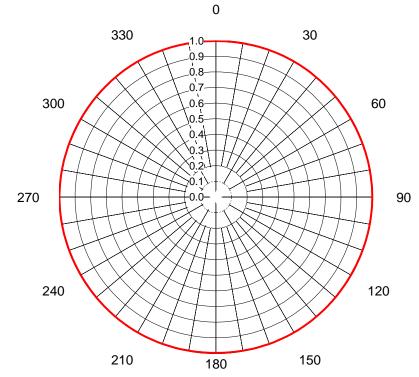
Predicted Noise Limited 40.77 dBu F(50,90) Coverage Contour



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



Dielectric



AZIMUTH PATTERN Horizontal Polarization

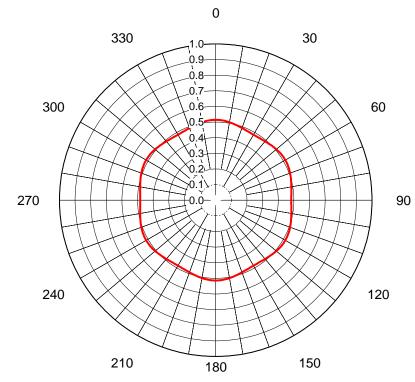
C-71636
9-Nov-20
WCYB-TV
35
599 MHz
TFU-33ETT/VP-R O6
1 (0.01dB)
Calculated
+/- 1.0 dB

Deg	Value																		
0	0.997	36	1.000	72	0.998	108	0.998	144	1.000	180	0.997	216	1.000	252	0.998	288	0.998	324	1.000
1	0.997	37	1.000	73	0.998	109	0.998	145	1.000	181	0.997	217	1.000	253	0.998	289	0.998	325	1.000
2	0.997	38	1.000	74	0.998	110	0.998	146	1.000	182	0.997	218	1.000	254	0.998	290	0.998	326	1.000
3	0.997	39	0.999	75	0.999	111	0.998	147	1.000	183	0.997	219	0.999	255	0.999	291	0.998	327	1.000
4	0.997	40	0.999	76	0.999	112	0.998	148	1.000	184	0.997	220	0.999	256	0.999	292	0.998	328	1.000
5	0.997	41	0.999	77	0.999	113	0.998	149	1.000	185	0.997	221	0.999	257	0.999	293	0.998	329	1.000
6	0.997	42	0.999	78	0.999	114	0.997	150	1.000	186	0.997	222	0.999	258	0.999	294	0.997	330	1.000
7	0.998	43	0.999	79	0.999	115	0.997	151	1.000	187	0.998	223	0.999	259	0.999	295	0.997	331	1.000
8	0.998	44	0.999	80	0.999	116	0.997	152	1.000	188	0.998	224	0.999	260	0.999	296	0.997	332	1.000
9	0.998	45	0.999	81	0.999	117	0.997	153	1.000	189	0.998	225	0.999	261	0.999	297	0.997	333	1.000
10	0.998	46	0.998	82	1.000	118	0.997	154	1.000	190	0.998	226	0.998	262	1.000	298	0.997	334	1.000
11	0.998	47	0.998	83	1.000	119	0.997	155	1.000	191	0.998	227	0.998	263	1.000	299	0.997	335	1.000
12	0.998	48	0.998	84	1.000	120	0.997	156	1.000	192	0.998	228	0.998	264	1.000	300	0.997	336	1.000
13	0.998	49	0.998	85	1.000	121	0.997	157	1.000	193	0.998	229	0.998	265	1.000	301	0.997	337	1.000
14	0.998	50	0.998	86	1.000	122	0.997	158	1.000	194	0.998	230	0.998	266	1.000	302	0.997	338	1.000
15	0.999	51	0.998	87	1.000	123	0.997	159	0.999	195	0.999	231	0.998	267	1.000	303	0.997	339	0.999
16	0.999	52	0.998	88	1.000	124	0.997	160	0.999	196	0.999	232	0.998	268	1.000	304	0.997	340	0.999
17	0.999	53	0.998	89	1.000	125	0.997	161	0.999	197	0.999	233	0.998	269	1.000	305	0.997	341	0.999
18	0.999	54	0.997	90	1.000	126	0.997	162	0.999	198	0.999	234	0.997	270	1.000	306	0.997	342	0.999
19	0.999	55	0.997	91	1.000	127	0.998	163	0.999	199	0.999	235	0.997	271	1.000	307	0.998	343	0.999
20	0.999	56	0.997	92	1.000	128	0.998	164	0.999	200	0.999	236	0.997	272	1.000	308	0.998	344	0.999
21	0.999	57	0.997	93	1.000	129	0.998	165	0.999	201	0.999	237	0.997	273	1.000	309	0.998	345	0.999
22	1.000	58	0.997	94	1.000	130	0.998	166	0.998	202	1.000	238	0.997	274	1.000	310	0.998	346	0.998
23	1.000	59	0.997	95	1.000	131	0.998	167	0.998	203	1.000	239	0.997	275	1.000	311	0.998	347	0.998
24	1.000	60	0.997	96	1.000	132	0.998	168	0.998	204	1.000	240	0.997	276	1.000	312	0.998	348	0.998
25	1.000	61	0.997	97	1.000	133	0.998	169	0.998	205	1.000	241	0.997	277	1.000	313	0.998	349	0.998
26	1.000	62	0.997	98	1.000	134	0.998	170	0.998	206	1.000	242	0.997	278	1.000	314	0.998	350	0.998
27	1.000	63	0.997	99	0.999	135	0.999	171	0.998	207	1.000	243	0.997	279	0.999	315	0.999	351	0.998
28	1.000	64	0.997	100	0.999	136	0.999	172	0.998	208	1.000	244	0.997	280	0.999	316	0.999	352	0.998
29	1.000	65	0.997	101	0.999	137	0.999	173	0.998	209	1.000	245	0.997	281	0.999	317	0.999	353	0.998
30	1.000	66	0.997	102	0.999	138	0.999	174	0.997	210	1.000	246	0.997	282	0.999	318	0.999	354	0.997
31	1.000	67	0.998	103	0.999	139	0.999	175	0.997	211	1.000	247	0.998	283	0.999	319	0.999	355	0.997
32	1.000	68	0.998	104	0.999	140	0.999	176	0.997	212	1.000	248	0.998	284	0.999	320	0.999	356	0.997
33	1.000	69	0.998	105	0.999	141	0.999	177	0.997	213	1.000	249	0.998	285	0.999	321	0.999	357	0.997
34	1.000	70	0.998	106	0.998	142	1.000	178	0.997	214	1.000	250	0.998	286	0.998	322	1.000	358	0.997
35	1.000	71	0.998	107	0.998	143	1.000	179	0.997	215	1.000	251	0.998	287	0.998	323	1.000	359	0.997

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AZIMUTH PATTERN Vertical Polarization

Proposal No.	C-71636
Date	9-Nov-20
Call Letters	WCYB-TV
Channel	35
Frequency	599 MHz
Antenna Type	TFU-33ETT/VP-R O6
Gain	1.06 (0.26dB)
	Calculated
Circularity	+/- 1.0 dB

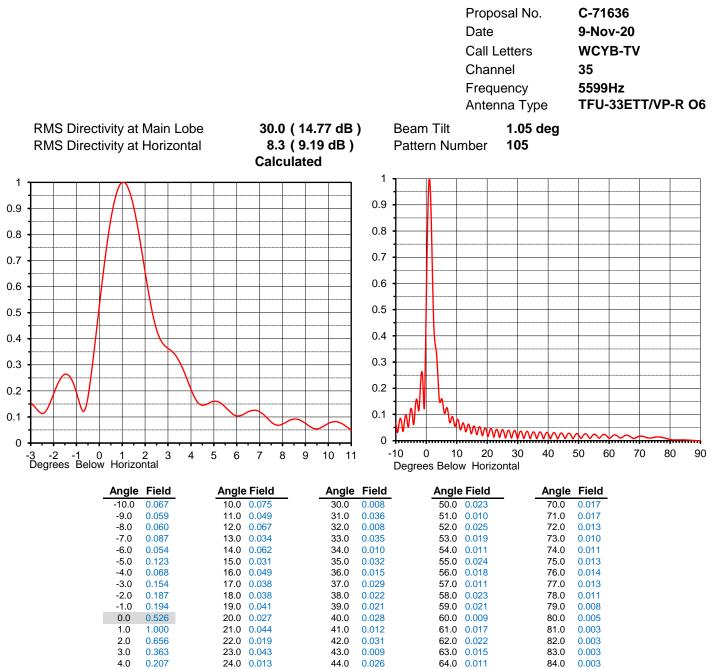
Deg	Value																		
0	0.514	36	0.486	72	0.503	108	0.503	144	0.486	180	0.514	216	0.486	252	0.503	288	0.503	324	0.486
1	0.514	37	0.487	73	0.502	109	0.505	145	0.486	181	0.514	217	0.487	253	0.502	289	0.505	325	0.486
2	0.514	38	0.489	74	0.500	110	0.506	146	0.485	182	0.514	218	0.489	254	0.500	290	0.506	326	0.485
3	0.513	39	0.490	75	0.499	111	0.508	147	0.484	183	0.513	219	0.490	255	0.499	291	0.508	327	0.484
4	0.513	40	0.491	76	0.497	112	0.509	148	0.484	184	0.513	220	0.491	256	0.497	292	0.509	328	0.484
5	0.512	41	0.493	77	0.496	113	0.510	149	0.484	185	0.512	221	0.493	257	0.496	293	0.510	329	0.484
6	0.511	42	0.494	78	0.494	114	0.511	150	0.484	186	0.511	222	0.494	258	0.494	294	0.511	330	0.484
7	0.510	43	0.496	79	0.493	115	0.512	151	0.484	187	0.510	223	0.496	259	0.493	295	0.512	331	0.484
8	0.509	44	0.497	80	0.491	116	0.513	152	0.484	188	0.509	224	0.497	260	0.491	296	0.513	332	0.484
9	0.508	45	0.499	81	0.490	117	0.513	153	0.484	189	0.508	225	0.499	261	0.490	297	0.513	333	0.484
10	0.506	46	0.500	82	0.489	118	0.514	154	0.485	190	0.506	226	0.500	262	0.489	298	0.514	334	0.485
11	0.505	47	0.502	83	0.487	119	0.514	155	0.486	191	0.505	227	0.502	263	0.487	299	0.514	335	0.486
12	0.503	48	0.503	84	0.486	120	0.514	156	0.486	192	0.503	228	0.503	264	0.486	300	0.514	336	0.486
13	0.502	49	0.505	85	0.486	121	0.514	157	0.487	193	0.502	229	0.505	265	0.486	301	0.514	337	0.487
14	0.500	50	0.506	86	0.485	122	0.514	158	0.489	194	0.500	230	0.506	266	0.485	302	0.514	338	0.489
15	0.499	51	0.508	87	0.484	123	0.513	159	0.490	195	0.499	231	0.508	267	0.484	303	0.513	339	0.490
16	0.497	52	0.509	88	0.484	124	0.513	160	0.491	196	0.497	232	0.509	268	0.484	304	0.513	340	0.491
17	0.496	53	0.510	89	0.484	125	0.512	161	0.493	197	0.496	233	0.510	269	0.484	305	0.512	341	0.493
18	0.494	54	0.511	90	0.484	126	0.511	162	0.494	198	0.494	234	0.511	270	0.484	306	0.511	342	0.494
19	0.493	55	0.512	91	0.484	127	0.510	163	0.496	199	0.493	235	0.512	271	0.484	307	0.510	343	0.496
20	0.491	56	0.513	92	0.484	128	0.509	164	0.497	200	0.491	236	0.513	272	0.484	308	0.509	344	0.497
21	0.490	57	0.513	93	0.484	129	0.508	165	0.499	201	0.490	237	0.513	273	0.484	309	0.508	345	0.499
22	0.489	58	0.514	94	0.485	130	0.506	166	0.500	202	0.489	238	0.514	274	0.485	310	0.506	346	0.500
23	0.487	59	0.514	95	0.486	131	0.505	167	0.502	203	0.487	239	0.514	275	0.486	311	0.505	347	0.502
24	0.486	60	0.514	96	0.486	132	0.503	168	0.503	204	0.486	240	0.514	276	0.486	312	0.503	348	0.503
25	0.486	61	0.514	97	0.487	133	0.502	169	0.505	205	0.486	241	0.514	277	0.487	313	0.502	349	0.505
26	0.485	62	0.514	98	0.489	134	0.500	170	0.506	206	0.485	242	0.514	278	0.489	314	0.500	350	0.506
27	0.484	63	0.513	99	0.490	135	0.499	171	0.508	207	0.484	243	0.513	279	0.490	315	0.499	351	0.508
28	0.484	64	0.513	100	0.491	136	0.497	172	0.509	208	0.484	244	0.513	280	0.491	316	0.497	352	0.509
29	0.484	65	0.512	101	0.493	137	0.496	173	0.510	209	0.484	245	0.512	281	0.493	317	0.496	353	0.510
30	0.484	66	0.511	102	0.494	138	0.494	174	0.511	210	0.484	246	0.511	282	0.494	318	0.494	354	0.511
31	0.484	67	0.510	103	0.496	139	0.493	175	0.512	211	0.484	247	0.510	283	0.496	319	0.493	355	0.512
32	0.484	68	0.509	104	0.497	140	0.491	176	0.513	212	0.484	248	0.509	284	0.497	320	0.491	356	0.513
33	0.484	69	0.508	105	0.499	141	0.490	177	0.513	213	0.484	249	0.508	285	0.499	321	0.490	357	0.513
34	0.485	70	0.506	106	0.500	142	0.489	178	0.514	214	0.485	250	0.506	286	0.500	322	0.489	358	0.514
35	0.486	71	0.505	107	0.502	143	0.487	179	0.514	215	0.486	251	0.505	287	0.502	323	0.487	359	0.514

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ELEVATION PATTERN



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45.0

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49.0

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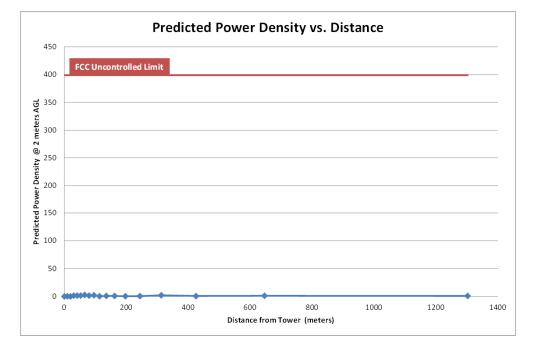
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WCYB-TV Channel 35 - Bristol, Virginia ERP = 1000000.00 WATTS

APPENDIX A

Maximum ERP	1000	kW			
Polarization Antenna Height Above FCC Uncontrolled RF	e Ground –		Circular meters µW/cm²	380.6	feet
Maximum Co	omputed Po	ower Density	2.409 0.60%	µW/cm² of limit	

Angle Below Horizontal (degrees)	<point x=""> Horiz Distance from tower to 2 m AGL (meters)</point>	Slant Distance from antenna to Point X (meters)	Vertical Pattern (REL. FIELD)	WCYB-TV ERP (KW)	WCYB-TV Calculated Power Density µW/cm²	Percent Limit	Limit Exceeded?
0			4 000	1000 0000			
0	4000.0	4000.0	1.000	1000.0000	0.055	0.0400	
5	1303.0	1308.0	0.148	21.9040	0.855	0.21%	No
10	646.5	656.5	0.083	6.8890	1.068	0.27%	No
15	425.5	440.5	0.043	1.8490	0.637	0.16%	No
20	313.2	333.3	0.055	3.0250	1.819	0.46%	No
25	244.5	269.7	0.024	0.5760	0.529	0.13%	No
30	197.5	228.0	0.013	0.1690	0.217	0.05%	No
35	162.8	198.8	0.022	0.4840	0.818	0.20%	No
40	135.9	177.4	0.018	0.3240	0.688	0.17%	No
45	114.0	161.2	0.009	0.0810	0.208	0.05%	No
50	95.7	148.8	0.026	0.6760	2.039	0.51%	No
55	79.8	139.2	0.020	0.4000	1.380	0.35%	No
60	65.8	131.6	0.025	0.6250	2.409	0.60%	No
65	53.2	125.8	0.019	0.3610	1.524	0.38%	No
70	41.5	121.3	0.018	0.3240	1.471	0.37%	No
75	30.5	118.0	0.017	0.2890	1.386	0.35%	No
80	20.1	115.8	0.004	0.0160	0.080	0.02%	No
85	10.0	114.4	0.004	0.0160	0.082	0.02%	No
90	0.0	114.0	0.000	0.0000	0.000	0.00%	No







WCYB-TV - BRISTOL, VIRGINIA FEBRUARY 2021 APPENDIX B Longley-Rice Interference Analysis

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: WCYB 35 1MW OMNI 1400C, Model: Longley-Rice
Start: 2021.02.05 15:37:55

Study created: 2021.02.05 15:37:55

Study build station data: LMS TV 2021-02-05

Proposal: WCYB-TV D35 DT APP BRISTOL, VA File number: WCYB 35 1MW OMNI 1400C Facility ID: 2455 Station data: User record Record ID: 357 Country: U.S.

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	WNSC-TV	D34	DT	LIC	ROCK HILL, SC	BLANK0000105822	204.2 km
Yes	WVLT-TV	D34	DT	LIC	KNOXVILLE, TN	BLANK0000081956	173.3
Yes	WSLS-TV	D34	DT	LIC	ROANOKE, VA	BLANK0000081215	193.3
Yes	WKLE	D35	DT	LIC	LEXINGTON, KY	BLANK0000087400	252.7
Yes	WFMY-TV	D35	DT	LIC	GREENSBORO, NC	BLANK0000113927	213.5
No	WPTD	D35	DT	LIC	DAYTON, OH	BLANK0000087301	409.0
Yes	WMYA-TV	D35	DT	LIC	ANDERSON, SC	BLANK0000120378	200.8
Yes	WTCI	D35	DT	CP	CHATTANOOGA, TN	BLANK0000034751	317.5
No	WVIR-CD	D35	DC	LIC	CHARLOTTESVILLE, VA	BLANK0000091348	363.5
Yes	WTAP-TV	D35	DT	LIC	PARKERSBURG, WV	BLANK0000105709	325.9
No	WKAS	D36	DT	LIC	ASHLAND, KY	BLANK0000087441	228.2
Yes	WUNE-TV	D36	DT	LIC	LINVILLE, NC	BLANK0000111606	49.0
Yes	WVLR	D36	DT	LIC	TAZEWELL, TN	BLANK0000097858	137.8
No	WFXR	D36	DT	LIC	ROANOKE, VA	BLANK0000080996	192.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D35 Latitude: 36 26 58.40 N (NAD83) Longitude: 82 6 28.46 W Height AMSL: 1400.0 m HAAT: 0.0 m Peak ERP: 1000 kW Antenna: Omnidirectional Elev Pattrn: Generic Elec Tilt: 0.75 40.8 dBu contour: Azimuth ERP HAAT Distance 0.0 deg 1000 kW 874.7 m 133.3 km

45.0	1000	753.0	128.8
90.0	1000	558.1	118.7
135.0	1000	635.8	123.1
180.0	1000	754.3	128.9
225.0	1000	672.5	125.1
270.0	1000	874.9	133.3
315.0	1000	904.1	134.5

Database HAAT does not agree with computed HAAT Database HAAT: 0 m Computed HAAT: 753 m

ERP exceeds maximum ERP: 1000 kW ERP maximum: 220 kW

Distance to Canadian border: 581.5 km

Distance to Mexican border: 1823.3 km

Conditions at FCC monitoring station: Powder Springs GA Bearing: 220.3 degrees Distance: 373.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone: Bearing: 288.5 degrees Distance: 2051.6 km

APPLICANT REQUESTS PROCESSING USING THESE PARAMETERS: Study cell size: 2.00 km Profile point spacing: 0.10 km

Maximum new IX to full-service and Class A: 0.50% Maximum new IX to LPTV: 2.00%

Interference to BLANK0000081956 LIC scenario 1

Desired:	Call WVLT-TV			Status LIC	City, State KNOXVILLE, TN		File Numb BLANK0000		Distance
Undesireds:	WCYB-TV	D35	DT	APP	BRISTOL, VA		WCYB 35 1	MW OMNI 1400C	173.3 km
	WPDP-CD	D33-	DC	LIC	CLEVELAND, TN		BLANK0000	081661	113.1
	WATC-DT	D34	DT	LIC	ATLANTA, GA		BLANK0000	107129	219.2
	WKMJ-TV	D34	DT	LIC	LOUISVILLE, KY		BLANK0000	087448	311.5
	WNSC-TV	D34	DT	LIC	ROCK HILL, SC		BLANK0000	105822	295.5
	WSLS-TV	D34	DT	LIC	ROANOKE, VA		BLANK0000	081215	365.3
	WTCI	D35	DT	CP	CHATTANOOGA, TN		BLANK0000	034751	148.4
Ser	vice area	Т	'erra	in-limite	ed IX-free,	before	IX-f	ree, after	Percent New IX
44092.1	1,888,607	38259	.3	1,684,12	25 37718.1 1,6	64,263	37606.1	1,660,188	0.30 0.24
Undesired				Total 1	IX Unique IX,	before	Unique	IX, after	
WCYB-TV D35	DT APP	120	.0	5,4	77 -		112.0	4,075	
WPDP-CD D33	- DC LIC	164	.0	7,93	33 112.2	4,798	112.2	4,798	
WATC-DT D34	DT LIC	144	.3	2,88	80 96.2	1,448	96.2	1,448	
WKMJ-TV D34	DT LIC	59	.7	1,20	05 39.9	899	39.9	899	
WNSC-TV D34	DT LIC	19	.9	12	28 19.9	128	19.9	128	
WSLS-TV D34	DT LIC	35	.9	3,11	11 35.9	3,111	27.9	1,709	
WTCI D35 DT	CP	197	.1	8,21	10 157.3	5,873	157.3	5,873	
Interferenc									

Desired:	Call WSLS-TV			Status LIC	City, State ROANOKE, VA	File Number BLANK0000081215	Distance
Undesireds:	WCYB-TV	D35	DT	APP	BRISTOL, VA	WCYB 35 1MW OMNI 1400C	193.3 km

Carl T. Jones Corporation

7901 Yarnwood Court, Springfield, Virginia 22153-2827 (703) 569-7704 Fax: (703) 569-6417

	WUNL-TV	D33	DT	LIC	WINSTON-SALEM	I, NC	BLANK0000	121301	93.9	
	WRC-TV D34 DT LIC WASHINGTON, DC								330.7	
	WITN-TV	D34	DT	LIC	WASHINGTON, N	IC	BLANK0000 BLANK0000	091433	320.2	
	WNSC-TV	D34	DT	LIC	ROCK HILL, SC	3	BLANK0000	105822	273.8	
	WNPB-TV			LIC	MORGANTOWN, W	v	BLANK0000 BLANK0000	106559	279.3	
	WFMY-TV			LIC		IC	BLANK0000	113927	150.4	
	WVIR-CD	D35	DC	LIC		LLE, VA	BLANK0000	091348	170.7	
						,				
					ed IX-fr					X
39531.5 1	.,447,286	34966	5.2	1,330,8	85 34153.2	1,297,328	34149.2	1,297,328	0.01 0.0	0
						1 6				
Undesired		4		Total	- -	IX, before		•		
WCYB-TV D35	DT APP	45.0	1.0	00.1	0	11 700	4.0	11 720		
WUNL-TV D33	DI LIC	450	3./ 5 E	22,1	299.1	2 167	299.1	2 167		
WRC-TV D34 D		105	3.5	3,0	0 31 299.1 03 63.6 99 99.6 03 43.9 04 27.8 32 43.9 76 11.9	2,167	63.6	2,107		
WITN-TV D34	DT LIC	18/		1,1	99 99.6	1,600	99.6	1,600		
WNSC-TV D34	DT LIC	1/5	0.4 70	9,7	03 43.9	489	43.9	489		
WNPB-TV D34	DT LIC	175	.8	5	04 27.8	504	27.8	504		
WFMY-TV D35	DT LIC	1/5	5.4	10,1	32 43.9	1,861	43.9	1,861		
WVIR-CD D35	DC LIC	15	5.9	5	76 11.9	553	11.9	553		
Interference										-
	Call	Chan	Svc	Status	City, State		File Numb	er	Distance	
Desired:	WKLE	D35	DT	LIC	City, State LEXINGTON, KY	2	BLANK0000	087400		
Undesireds:					BRISTOL, VA				252.7 km	
	WPTD	D35	DT	LIC	DAYTON, OH CHATTANOOGA,		BLANK0000 BLANK0000	087301	204.8	
	WTCI	D35	DT	CP	CHATTANOOGA,	TN		034751	309.0	
	WTAP-TV	D35	DT	LIC	PARKERSBURG,	WV	BLANK0000	105709	290.1	
Serv 15510.6	vice area 856,237	1 15252	[erra 2.3	in-limit 849,5	ed IX-fr 53 15108.9	ee, before	IX-f 15053 1	ree, after	Percent New I	X
				, -		040,034	13033.1	040,140	0.57 0.0	0
Undocimod				metel	TY Unique	TV hofers	Inimo	TY often	0.07 0.0	
Undocimod				metel	TY Unique	TV hofers	Inimo	TY often	0.07 0.0	0
Undocimod				metel	TY Unique	TV hofers	Inimo	TY often		0
Undocimod				metel	TY Unique	TV hofers	Inimo	TY often		0
Undesired WCYB-TV D35 WPTD D35 DT WTCI D35 DT	DT APP LIC CP	127 135 8	7.4 5.5 3.0	Total 2,2 2,3 1		IX, before 2,175 70	Unique 55.7 59.8 4.0	e IX, after 714 897 70		0
Undesired WCYB-TV D35 WPTD D35 DT WTCI D35 DT WTAP-TV D35	DT APP LIC CP DT LIC	127 135 8 7	7.4 5.5 3.0 7.9	Total 2,2 2,3 1 3	IX Unique 27 94 127.6 93 4.0 31 4.0	IX, before 2,175 70 235	Unique 55.7 59.8 4.0 0.0	e IX, after 714 897 70 0		0
Undesired WCYB-TV D35 WPTD D35 DT WTCI D35 DT WTAP-TV D35	DT APP LIC CP DT LIC	127 135 8	7.4 5.5 3.0 7.9	Total 2,2 2,3 1 3	IX Unique 27 94 127.6 93 4.0 31 4.0	IX, before 2,175 70 235	Unique 55.7 59.8 4.0 0.0	e IX, after 714 897 70 0		
Undesired WCYB-TV D35 WPTD D35 DT WTCI D35 DT WTAP-TV D35	DT APP LIC CP DT LIC to BLANK(127 135 8 7 0000113	7.4 5.5 3.0 7.9 3927	Total 2,2 2,3 1 3 	IX Unique 27 94 127.6 93 4.0 31 4.0 	IX, before 2,175 70 235	Unique 55.7 59.8 4.0 0.0	e IX, after 714 897 70 0		
Undesired WCYB-TV D35 WPTD D35 DT WTCI D35 DT WTAP-TV D35 Interference	DT APP LIC CP DT LIC to BLANK(Call	127 135 8 7 0000113 Chan	7.4 5.5 3.0 7.9 3927 Svc	Total 2,2 2,3 1 3 LIC scen Status	IX Unique 27 94 127.6 93 4.0 31 4.0 	IX, before 2,175 70 235	Unique 55.7 59.8 4.0 0.0 File Numb	e IX, after 714 897 70 0		
Undesired WCYB-TV D35 WPTD D35 DT WTCI D35 DT WTAP-TV D35	DT APP LIC CP DT LIC to BLANK(Call	127 135 8 7 0000113 Chan	7.4 5.5 3.0 7.9 3927 Svc	Total 2,2 2,3 1 3 LIC scen Status	IX Unique 27 94 127.6 93 4.0 31 4.0 	IX, before 2,175 70 235	Unique 55.7 59.8 4.0 0.0	e IX, after 714 897 70 0		. –
Undesired WCYB-TV D35 WPTD D35 DT WTCI D35 DT WTAP-TV D35 Interference Desired:	DT APP LIC CP DT LIC to BLANK(Call WFMY-TV	127 135 8 7 0000113 Chan D35	7.4 5.5 3.0 7.9 3927 Svc DT	Total 2,2 2,3 1 3 LIC scen Status LIC	IX Unique 27 94 127.6 93 4.0 31 4.0 	IX, before 2,175 70 235	Unique 55.7 59.8 4.0 0.0 File Numb BLANK0000	e IX, after 714 897 70 0 	Distance	
Undesired WCYB-TV D35 WPTD D35 DT WTCI D35 DT WTAP-TV D35 Interference	DT APP LIC CP DT LIC to BLANK(Call WFMY-TV WCYB-TV	127 135 8 7 0000113 0000113 Chan D35	7.4 5.5 3.0 7.9 3927 Svc DT DT	Total 2,2 2,3 1 3 LIC scen Status LIC APP	IX Unique 27 94 127.6 93 4.0 31 4.0 ario 1 City, State GREENSBORO, N BRISTOL, VA	IX, before 2,175 70 235	Unique 55.7 59.8 4.0 0.0 File Numb BLANK0000 WCYB 35 1	e IX, after 714 897 70 0 	Distance 213.5 km	
Undesired WCYB-TV D35 WPTD D35 DT WTCI D35 DT WTAP-TV D35 Interference Desired:	DT APP LIC CP DT LIC to BLANKO Call WFMY-TV WCYB-TV WYBE-CD	127 135 8 7 0000113 Chan D35 D35 D34	7.4 5.5 3.0 7.9 3927 Svc DT DT DC	Total 2,2 2,3 1 3 LIC scen Status LIC APP LIC	IX Unique 27 94 127.6 93 4.0 31 4.0 ario 1 City, State GREENSBORO, N BRISTOL, VA PINEHURST, NC	IX, before 2,175 70 235	Unique 55.7 59.8 4.0 0.0 File Numb BLANK0000 WCYB 35 1 BLANK0000	e IX, after 714 897 70 0 	Distance 213.5 km 87.0	
Undesired WCYB-TV D35 WPTD D35 DT WTCI D35 DT WTAP-TV D35 Interference Desired:	DT APP LIC CP DT LIC to BLANK(Call WFMY-TV WCYB-TV WYBE-CD WNSC-TV	127 135 8 7 0000113 Chan D35 D35 D34 D34	7.4 5.5 3.0 7.9 3927 Svc DT DT DC DT	Total 2,2 2,3 1 3 LIC scen Status LIC APP LIC LIC	IX Unique 27 94 127.6 93 4.0 31 4.0 	IX, before 2,175 70 235	Unique 55.7 59.8 4.0 0.0 File Numb BLANK0000 WCYB 35 1 BLANK0000 BLANK0000	e IX, after 714 897 70 0 	Distance 213.5 km 87.0 156.6	
Undesired WCYB-TV D35 WPTD D35 DT WTCI D35 DT WTAP-TV D35 Interference Desired:	DT APP LIC CP DT LIC to BLANK(Call WFMY-TV WCYB-TV WYBE-CD WNSC-TV WSLS-TV	127 135 6 0000113 Chan D35 D35 D34 D34 D34	7.4 5.5 3.0 7.9 3927 Svc DT DT DC DT DT DT	Total 2,2 2,3 1 3 LIC scen Status LIC APP LIC LIC LIC	IX Unique 27 94 127.6 93 4.0 31 4.0 ario 1 City, State GREENSBORO, N BRISTOL, VA PINEHURST, NC ROCK HILL, SC ROANOKE, VA	IX, before 2,175 70 235	Unique 55.7 59.8 4.0 0.0 File Numb BLANK0000 WCYB 35 1 BLANK0000 BLANK0000 BLANK0000	e IX, after 714 897 70 0 	Distance 213.5 km 87.0 156.6 150.4	
Undesired WCYB-TV D35 WPTD D35 DT WTCI D35 DT WTAP-TV D35 Interference Desired:	DT APP LIC CP DT LIC to BLANK(Call WFMY-TV WCYB-TV WYBE-CD WNSC-TV WSLS-TV WMYA-TV	127 135 6 0000113 Chan D35 D35 D34 D34 D34 D34 D34 D34	7.4 5.5 3.0 7.9 3927 Svc DT DT DC DT DT DT DT	Total 2,2 2,3 1 3 LIC scen Status LIC APP LIC LIC LIC LIC	IX Unique 27 94 127.6 93 4.0 31 4.0 ario 1 City, State GREENSBORO, N BRISTOL, VA PINEHURST, NC ROCK HILL, SC ROANOKE, VA ANDERSON, SC	IX, before 2,175 70 235	Unique 55.7 59.8 4.0 0.0 File Numb BLANK0000 WCYB 35 1 BLANK0000 BLANK0000 BLANK0000 BLANK0000	e IX, after 714 897 70 0 	Distance 213.5 km 87.0 156.6 150.4 259.1	
Undesired WCYB-TV D35 WPTD D35 DT WTCI D35 DT WTAP-TV D35 Interference Desired:	DT APP LIC CP DT LIC cto BLANK(Call WFMY-TV WCYB-TV WYBE-CD WNSC-TV WSLS-TV WMYA-TV WVIR-CD	127 135 6 0000113 Chan D35 D35 D34 D34 D34 D34 D35 D35	7.4 5.5 3.0 7.9 3927 Svc DT DT DC DT DT DT DT DT DT	Total 2,2 2,3 1 3 LIC scen Status LIC LIC LIC LIC LIC LIC LIC	IX Unique 27 94 127.6 93 4.0 31 4.0 ario 1 City, State GREENSBORO, N BRISTOL, VA PINEHURST, NC ROCK HILL, SC ROANOKE, VA ANDERSON, SC CHARLOTTESVII	IX, before 2,175 70 235	Unique 55.7 59.8 4.0 0.0 File Numb BLANK0000 WCYB 35 1 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000	e IX, after 714 897 70 0 	Distance 213.5 km 87.0 156.6 150.4 259.1 264.1	
Undesired WCYB-TV D35 WPTD D35 DT WTCI D35 DT WTAP-TV D35 Interference Desired:	DT APP LIC CP DT LIC to BLANK(Call WFMY-TV WYBE-CD WNSC-TV WSLS-TV WMYA-TV WVIR-CD WUNE-TV	127 135 6 0000113 Chan D35 D34 D34 D34 D34 D35 D35 D35 D36	7.4 5.5 3.0 7.9 3927 5vc DT DT DT DT DT DT DT DT	Total 2,2 2,3 1 3 LIC scen Status LIC LIC LIC LIC LIC LIC LIC LIC LIC	IX Unique 27 94 127.6 93 4.0 31 4.0 ario 1 City, State GREENSBORO, N BRISTOL, VA PINEHURST, NC ROCK HILL, SC ROANOKE, VA ANDERSON, SC CHARLOTTESVII LINVILLE, NC	IX, before 2,175 70 235	Unique 55.7 59.8 4.0 0.0 File Numb BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000	e IX, after 714 897 70 0 	Distance 213.5 km 87.0 156.6 150.4 259.1 264.1 181.4	
Undesired WCYB-TV D35 WPTD D35 DT WTCI D35 DT WTAP-TV D35 Interference Desired:	DT APP LIC CP DT LIC to BLANK(Call WFMY-TV WYBE-CD WNSC-TV WSLS-TV WMYA-TV WVIR-CD WUNE-TV WBFT-CD	127 135 6 7 0000113 Chan D35 D35 D34 D34 D34 D35 D35 D36 D36	7.4 5.5 3.0 7.9 3927 5vc DT DT DT DT DT DT DT DT DT DT	Total 2,2 2,3 1 3 LIC scen Status LIC LIC LIC LIC LIC LIC LIC LIC LIC LIC	IX Unique 27 94 127.6 93 4.0 31 4.0 	IX, before 2,175 70 235 NC LLE, VA	Unique 55.7 59.8 4.0 0.0 File Numb BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000	e IX, after 714 897 70 0 	Distance 213.5 km 87.0 156.6 150.4 259.1 264.1 181.4 77.4	
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Undesired WCYB-TV D35 WPTD D35 DT WTCI D35 DT WTAP-TV D35 Interference Desired:	DT APP LIC CP DT LIC to BLANK(Call WFMY-TV WYBE-CD WNSC-TV WSLS-TV WMYA-TV WVIR-CD WUNE-TV WBFT-CD	127 135 6 7 0000113 Chan D35 D35 D34 D34 D34 D35 D35 D36 D36	7.4 5.5 3.0 7.9 3927 5vc DT DT DT DT DT DT DT DT DT DT	Total 2,2 2,3 1 3 LIC scen Status LIC LIC LIC LIC LIC LIC LIC LIC LIC LIC	IX Unique 27 94 127.6 93 4.0 31 4.0 	IX, before 2,175 70 235 NC LLE, VA	Unique 55.7 59.8 4.0 0.0 File Numb BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000	e IX, after 714 897 70 0 	Distance 213.5 km 87.0 156.6 150.4 259.1 264.1 181.4 77.4	
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Undesired WCYB-TV D35 WPTD D35 DT WTCI D35 DT WTAP-TV D35 Interference Desired: Undesireds: Undesireds: Undesired WCYB-TV D35 WYBE-CD D34 WNSC-TV D34	DT APP LIC CP DT LIC to BLANK(Call WFMY-TV WCYB-TV WSLS-TV WMYA-TV WVIR-CD WUNE-TV WBFT-CD WFXB WFXR Fice area 4,772,783 DT APP DC LIC DT LIC	127 135 6 7 0000113 Chan D35 D35 D35 D34 D34 D34 D35 D36 D36 D36 D36 D36 D36 D36 D36 D36 D36	7.4 5.5 3.0 7.9 3927 Svc DT DT DT DC DT DT DC DT DT C T Serra 5.3 0.0 1.0 3.7	Total 2,2 2,3 1 3 LIC scen Status LIC LIC LIC LIC LIC LIC LIC LIC LIC LIC	IX Unique 27 94 127.6 93 4.0 31 4.0 ario 1 City, State GREENSBORO, N BRISTOL, VA PINEHURST, NC ROANOKE, VA ANDERSON, SC CHARLOTTESVII LINVILLE, NC SANFORD, NC MYRTLE BEACH, ROANOKE, VA ed IX-fr 47 40913.4 IX Unique 97 48 4.0 44 19.9	IX, before 2,175 70 235 	Unique 55.7 59.8 4.0 0.0 File Numb BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK00000 BLANK00000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK00000 BLANK00000 BLANK0000 BLANK00000 BLANK00000 BLANK00000 BLAN	e IX, after 714 897 70 0 	Distance 213.5 km 87.0 156.6 150.4 259.1 264.1 181.4 77.4 196.2 150.1 Percent New I	 :x
Undesired WCYB-TV D35 WPTD D35 DT WTAP-TV D35 Interference Desired: Undesireds: Undesireds: Undesired WCYB-TV D35 WYBE-CD D34 WNSC-TV D34	DT APP LIC CP DT LIC a to BLANKO Call WFMY-TV WCYB-TV WYBE-CD WNSC-TV WSLS-TV WMYA-TV WVIR-CD WUNE-TV WDFT-CD WFXR fice area 4,772,783 DT APP DC LIC DT LIC	127 135 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	7.4 5.5 3.0 7.9 3927 Svc DT DT DT DT DT DT DT DT DT DT	Total 2,2 2,3 1 3 LIC scen Status LIC LIC LIC LIC LIC LIC LIC LIC LIC LIC	IX Unique 27 94 127.6 93 4.0 31 4.0 ario 1 City, State GREENSBORO, N BRISTOL, VA PINEHURST, NC ROANOKE, VA ANDERSON, SC CHARLOTTESVII LINVILLE, NC SANFORD, NC MYRTLE BEACH, ROANOKE, VA ed IX-fr 47 40913.4 IX Unique 97 48 4.0 44 19.9 78 12.0	IX, before 2,175 70 235 	Unique 55.7 59.8 4.0 0.0 File Numb BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK00000 BLANK00000 BLANK0000 BLANK00000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK00000 BLANK0000 BLANK00000 BLANK00000 BLANK00000 BLAN	e IX, after 714 897 70 0 	Distance 213.5 km 87.0 156.6 150.4 259.1 264.1 181.4 77.4 196.2 150.1 Percent New I	 :x
Undesired WCYB-TV D35 WPTD D35 DT WTCI D35 DT WTAP-TV D35 Interference Desired: Undesireds: Undesireds: Undesired WCYB-TV D35 WYBE-CD D34 WNSC-TV D34	DT APP LIC CP DT LIC a to BLANKO Call WFMY-TV WCYB-TV WYBE-CD WNSC-TV WSLS-TV WMYA-TV WVIR-CD WUNE-TV WBFT-CD WFXR fice area 4,772,783 DT APP DC LIC DT LIC	127 135 6 7 0000113 Chan D35 D35 D35 D34 D34 D34 D35 D36 D36 D36 D36 D36 D36 D36 D36 D36 D36	7.4 5.5 3.0 7.9 3927 Svc DT DT DT DT DT DT DT DT DT DT	Total 2,2 2,3 1 3 LIC scen Status LIC LIC LIC LIC LIC LIC LIC LIC LIC LIC	IX Unique 27 94 127.6 93 4.0 31 4.0 ario 1 City, State GREENSBORO, N BRISTOL, VA PINEHURST, NC ROANOKE, VA ANDERSON, SC CHARLOTTESVII LINVILLE, NC SANFORD, NC MYRTLE BEACH, ROANOKE, VA ed IX-fr 47 40913.4 IX Unique 97 48 4.0 44 19.9 78 12.0	IX, before 2,175 70 235 	Unique 55.7 59.8 4.0 0.0 File Numb BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK00000 BLANK00000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK00000 BLANK00000 BLANK0000 BLANK00000 BLANK00000 BLANK00000 BLAN	e IX, after 714 897 70 0 	Distance 213.5 km 87.0 156.6 150.4 259.1 264.1 181.4 77.4 196.2 150.1 Percent New I	 :x

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Interference to BLANKOUOU10378 LIC scenario 1 Call Chan Svo Status City, State ANDERSON, SC Distance BLANKOUOU12378 Distance BLANKOUOU12378 Distance Distance Status City, State ANDERSON, SC BLANKOUOU12378 Distance BLANKOUOU12378 Undesired:: WC18-TV D35 DT LIC BALLEY, GA WC18-TV D35 DT LIC BALLEY, GA BLCTC2001120AcC 301.7 WFXG D36 DT LIC AUGUSTA, GA BLCTC200001130277 142.5 WFXG D36 DT LIC AUGUSTA, GA BLANKOUOUI30377 142.5 SETTIC AUGUSTA, GA BLANKOUOUI305277 142.5 WFXG D35 DT APP 64.1 1,346 440.7 1,569,588 147.6 LiC City State MWTS-TV D35 DT APP 64.1 1,346 44.1 1,44 MWTS-TV D35 DT LIC 60.1 240.1 1,36 2,209 MWTS-TV D35 DT LIC 60.1 148 2.109 16.6 2,209 MWTS-TV D35 DT APP 8 RESTOL CARATANOU000034751 Distance </th <th colspan="2">WVIR-CD D35 DC LIC WUNE-TV D36 DT LIC WBFT-CD D36 DC LIC WFXB D36 DT LIC WFXR D36 DT LIC</th> <th colspan="2"></th> <th colspan="2"></th> <th></th> <th></th> <th></th> <th></th> <th></th>	WVIR-CD D35 DC LIC WUNE-TV D36 DT LIC WBFT-CD D36 DC LIC WFXB D36 DT LIC WFXR D36 DT LIC										
Undesireds: NCYB-TV D35 DT APP BRISTOL, VA WNSC TV D34 DT LIC BAXLEY, GA BLANKO000105822 116.3 NFWY TV D35 DT LIC BAXLEY, GA WFWY TV D35 DT LIC AUGUSTA, GA BLANKO00001827 259.1 BLANKO00001827 259.1 BLANKO00001827 142.5 BLANKO00001827 142.5 BLANKO00001827 142.5 DIA C LINVILLE, NC DEAMERDO0001827 142.5 BLANKO00001827 142.5 BLANKO00001827 142.5 BLANKO00001827 142.5 BLANKO00001827 142.5 DIA C LINVILLE, NC DIA											
WHSG D35 DT LIC BACK USS BLANKG000105822 116.3 WHSG D35 DT LIC BALXELY, GA BLANKG00013297 259.1 WHXG D36 DT LIC AUGUSTA, GA BLANKG00013297 142.5 Service area Terrain-limited IX-free, before IX-free, after Percent New IX Source area Total IX Unique IX, before Unique IX, after 44.1 1.48 WNSC-TV D35 DT APP 64.1 1.346 24.0 127 WMSC-TV D35 DT LIC 103.8 6.549 83.84 79.8 8.238 WNSC-TV D35 DT LIC 103.8 6.549 83.84 79.8 8.238 WMSC-TV D35 DT LIC 103.8 5.549 93.8 3.84 16.1 38 WNSC-TV D36 DT LIC 48.2 1.244 16.1 38 16.1 38 WNSC-TV D35 DT LIC D35 DT C C GAITTANCOGA, TN BLANK0000107151 Distance Desired: WTCI D55 DT LIC AKITTANACGA <td>Desired:</td> <td>Call WMYA-TV</td> <td>Chan D35</td> <td>Svc DT</td> <td>Status LIC</td> <td>City, ANDER</td> <td>State SON, SC</td> <td></td> <td></td> <td></td> <td>Distance</td>	Desired:	Call WMYA-TV	Chan D35	Svc DT	Status LIC	City, ANDER	State SON, SC				Distance
25242.7 1,650,798 24615.4 1,582,579 24351.5 1,569,588 24307.4 1,568,440 0.18 0.07 Undesired Total IX Unique IX, before Unique IX, after 44.1 1,148 WCTB-TV D35 DT LIC 55.6 2,212 51.6 2,209 51.6 2,209 WSCG D35 DT LIC 103.8 8,549 83.8 8,384 79.8 8,238 WFKD D36 DT LIC 48.3 2,109 40.3 1,961 40.3 1,961 Interference to BLANK0000034751 CP scenario 1 Call Chan Svc Status City, State Distance BLANK0000034751 Desired: WCTD-TV D35 DT APP BRISTOL, VA WCYB 35 IMW OMNI 1400C 317.5 km Undesired WCTD-TV D34 DT LIC ADAKNOVILLE, TN BLANK00001729 147.6 146.4 WHZT-VD D35 DT LIC JACKSON, TN BLANK00001525 148.4 WHZT-VD D35 DT LIC JACKSON, TN BLANK0000156 148.4 WHZT-VD D35 DT LIC JACKSON, TN BLANK00001627ABT 0.27 0.31 Undesired Total IX Unique IX, before Un	Undesireds:	WNSC-TV WSCG WFMY-TV WFXG	D34 D35 D35 D36	DT DT DT DT	LIC LIC LIC	ROCK BAXLE GREEN AUGUS	HILL, SC Y, GA SBORO, NC TA, GA		BLANK0000 BLCDT2007 BLANK0000 BLANK0000	105822 1120AJC 113927 081277	116.3 301.7 259.1 142.5
MCTE-TV D35 DT APP 64.1 1,346 44.1 1,148 MNSC-TV D35 DT LIC 60.1 248 28.0 162 24.0 127 MNSC TO D35 DT LIC 48.2 124 16.1 38 16.1 38 MYNE TV D36 DT LIC 48.3 2,109 40.3 1,961 40.3 1,961 MUNE TV D36 DT LIC 48.3 2,109 40.3 1,961 40.3 1,961 Interference to BLANK0000034751 CP scenario 1 D35 DT CP CHATTANOGA, TN BLANK000034751 Distance Desired: WTCI D35 DT CP CHATTANOGA, TN BLANK0000034751 Distance MATC-D7 D34 DT LIC KNOXTLE, TN BLANK000012954 144.3 WATC-TV D34 DT LIC KNOXCNTLE, AL BLANK0000112954 184.3 WUT-TV D34 DT LIC KNOXCNTLE, AL BLANK0000112954 184.3 WEZ-TV D35 DT LIC JACKSON, TN BLANK0000112954 184.3 Undesired Total IX Unique IX, before Unique IX, after 20451.9 10.83.438 <td></td>											
Interference to BLANK0000034751 CP scenario 1 Desired: Call WTCI Chan D35 DT CP City, State CHATTANOGGA, TN File Number BLANK0000034751 Distance Undesireds: WCYB-TV D35 DT APP BRISTOL, VA WMTC-DT WCYB 35 DIM OWNI 1400C 317.5 km WMTC-TV D34 DT LIC KNOXVILLE, TN WEAC-CD BLANK00001956 148.4 WEAC-CD D35 DT LIC JACKSONVILLE, AL WEAC-CD BLANK000012554 148.4 Service area 24350.6 Terrain-limited 1266,209 IX-free, before 20800.4 IX-free, before 120451.9 IX-free, after 56.4 Percent New IX 20451.9 0.27 0.31 Undesired WCYB-TV D35 DT LIC Total IX Unique IX, before WCYB-TV D34 DT LIC 15.9 426 11.9 171 1.9 17.4 56.4 3,438 WMTC-TV D34 DT LIC 15.9 181 4.0 11 4.0 11 4.0 11 WEAC-CD D35 DC LIC 17.1 5.9 181 4.0 11 4.0 11 WUTZ D35 DT LIC 5.260 92.8 5.260 68.6 4.672 WEAC-CD D	WCYB-TV D35 WNSC-TV D34 WSCG D35 DT WFMY-TV D35 WFXG D36 DT	DT APP DT LIC LIC DT LIC LIC DT LIC	64 55 60 103 48 48	.1 .6 .1 .8 .2 .3	1,3 2,2 8,5 1 2,1	46 12 48 49 24 09	51.6 28.0 83.8 16.1 40.3	2,209 162 8,384 38 1,961	44.1 51.6 24.0 79.8 16.1 40.3	1,148 2,209 127 8,238 38 1,961	
Desired: WTCI D35 DT CP CHATTANOOGA, TN BLANK0000034751 Undesireds: WCYB-TV D35 DT APP BRISTOL, VA WCYB 35 MW CMNI 1400C 317.5 km WATC-DT D34 DT LIC ATLANTA, GA BLANK0000107129 147.6 WWLT-TV D35 DC LIC ATLANTA, GA BLANK0000010712954 184.3 WLTZ D35 DC LIC JACKSONVILLE, AL BLANK0000112954 184.3 WLTZ D35 DT LIC COLMBUS, GA BLANK0000116047 312.7 Service area Terrain-limited IX-free, before IX-free, after Percent New IX 24350.6 1,216,209 20800.4 1,104,247 20508.3 1,091,766 Unique IX, after WCYB-TV D35 DT APP 88.6 4,687 56.4 3,438 0.27 0.31 Undesired Total IX Unique IX, before Unique IX, after 56.4 3,438 WATC-DT D34 DT LIC 1	Interference	to BLANK	0000034								
WULT-TV D34 DT LIC KNOXVILLE, TN BLANK0000081956 148.4 WEAC-CD D35 DC LIC JACKSONVILLE, AL BLANK0000112954 184.3 WITZ D35 DT LIC JACKSONVILLE, AL BLANK0000112954 184.3 WBBJ-TV D35 DT LIC JACKSON, TN BLANK0000116047 312.7 Service area Terrain-limited IX-free, before IX-free, after Percent New IX 24350.6 1,216,209 20800.4 1,104,247 20508.3 1,091,766 20451.9 1,088,328 0.27 0.31 Undesired Total IX Unique IX, before Unique IX, after 56.4 3,438 WATC-TV D34 DT LIC 15.9 426 11.9 171 11.9 171 WBBJ-TV D35 DT LIC 171.3 6,502 155.4 6,077 147.4 5,416 WIT-TV D35 DT LIC 12.1 537 12.1 537 12.1 537 Desired: WTAP-TV D35	Desired:										Distance
24350.6 1,216,209 20800.4 1,104,247 20508.3 1,091,766 20451.9 1,088,328 0.27 0.31 Undesired Total IX Unique IX, before Unique IX, after 56.4 3,438 WATC-DT D34 DT LIC 15.9 426 11.9 171 11.9 171 WULT-TV D35 DT APP 88.6 4,687 56.4 3,438 WATC-DT D34 DT LIC 92.8 5,260 92.8 5,260 68.6 4,672 WEAC-CD D35 DC LIC 171.3 6,502 155.4 6,077 147.4 5,416 MITZ D35 DT LIC 12.1 537 12.1 537 12.1 537 Interference to BLANK0000105709 LIC scenario 1 1 4.0 11 4.0 Desired: WTAP-TV D35 DT LIC PARKERSBURG, WV File Number Distance Undesireds: WCYE-TV D35 DT APP BRISTOL, VA WCYB 35 1MW OMNI 1400C 325.9 km WVIZ D35 DT LIC DAYTON, OH BLANK000087301 233.8 WWIMB D35 DT APP <td></td> <td>WVLT-TV WEAC-CD WLTZ WBBJ-TV</td> <td>D34 D35 D35 D35</td> <td>DT DC DT DT</td> <td>LIC LIC LIC</td> <td>KNOXV JACKS COLUM JACKS</td> <td>ILLE, TN ONVILLE, A BUS, GA ON, TN</td> <td>L</td> <td>BLANK0000 BLANK0000 BLCDT2006 BLANK0000</td> <td>081956 112954 50627ABT 116047</td> <td>148.4 184.3 307.7 312.7</td>		WVLT-TV WEAC-CD WLTZ WBBJ-TV	D34 D35 D35 D35	DT DC DT DT	LIC LIC LIC	KNOXV JACKS COLUM JACKS	ILLE, TN ONVILLE, A BUS, GA ON, TN	L	BLANK0000 BLANK0000 BLCDT2006 BLANK0000	081956 112954 50627ABT 116047	148.4 184.3 307.7 312.7
WCYB-TV D35 DT APP 88.6 4,687 56.4 3,438 WATC-DT D34 DT LIC 15.9 426 11.9 171 11.9 171 WVLT-TV D34 DT LIC 92.8 5,260 92.8 5,260 68.6 4,672 WEAC-CD D35 DC LIC 171.3 6,502 155.4 6,077 147.4 5,416 WLT-TV D35 DT LIC 15.9 181 4.0 11 4.0 11 WBBJ-TV D35 DT LIC 12.1 537 12.1 537 12.1 537 Interference to BLANK0000105709 LIC scenario 1 Example File Number Distance Desired: WTAP-TV D35 DT LIC PARKERSBURG, WV BLANK0000105709 226.6 WVIZ D35 DT LIC DAYTON, OH BLANK0000127485 337.3 WMBB D35 DT APP TOLEDO, OH BLANK0000127485 337.3 WULM-CD D36 DC CP WASHINGTON, PA BLANK0000127552 147.3						47 20	0508.3 1	,091,766	20451.9	1,088,328	
Interference to BLANK0000105709 LIC scenario 1Desired:Call WTAP-TVChan D35Svc DT LICCity, PARKERSBURG, WVFile Number BLANK0000105709DistanceUndesireds:WCYB-TV WVIZ D35DT DT D35DT APPBRISTOL, VA Cleveland, OH BLANK000082429WCYB 35 226.6DMNI 1400C 226.6325.9 km 226.6WPTD WIMB WLM-CDD35 DT DT APPDT APP TOLEDO, OH WASHINGTON, PABLANK000087301 BLANK000012755223.8 37.3	WCYB-TV D35 WATC-DT D34 WVLT-TV D34 WEAC-CD D35 WLTZ D35 DT WBBJ-TV D35	DT LIC DT LIC DC LIC LIC DT LIC	15 92 171 15 12	.6 .9 .8 .3 .9 .1	4,6 4 5,2 6,5 1 5	87 26 60 02 81 37	11.9 92.8 155.4 4.0 12.1	171 5,260 6,077 11 537	56.4 11.9 68.6 147.4 4.0 12.1	3,438 171 4,672 5,416 11 537	
Desired:WTAP-TVD35DTLICPARKERSBURG, WVBLANK0000105709Undesireds:WCYB-TVD35DTAPPBRISTOL, VAWCYB 35 1MW OMNI 1400C325.9 kmWVIZD35DTLICCleveland, OHBLANK000082429226.6WPTDD35DTLICDAYTON, OHBLANK000087301233.8WLMBD35DTAPPTOLEDO, OHBLANK0000127485337.3WWLM-CDD36DCCPWASHINGTON, PABLANK0000127552147.3											
WVIZ D35 DT LIC Cleveland, OH BLANK000082429 226.6 WPTD D35 DT LIC DAYTON, OH BLANK000087301 233.8 WLMB D35 DT APP TOLEDO, OH BLANK0000127485 337.3 WWLM-CD D36 DC CP WASHINGTON, PA BLANK0000127552 147.3	Desired:					-					Distance
, , , , , , , , , , , , , , , , , , , ,		WVIZ WPTD WLMB WWLM-CD	D35 D35 D35 D36	DT DT DT DC	LIC LIC APP CP	Cleve DAYTO TOLED WASHI	land, OH N, OH O, OH NGTON, PA		BLANK0000 BLANK0000 BLANK0000 BLANK0000	082429 087301 127485 127552	226.6 233.8 337.3 147.3

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18896.9	512,358	18580	.3	493,5	77	18512.2	489,851	18504.2	489,740	0.04	0.02
Undesired				Total IX		Unique I	X. before	Unique IX, after			
WCVB_TV D35 DT APP		12	0	1 1	60	0.111		8 0	111		
WCYB-TV D35 DT APP		28	2	29	00	20 1	966	16 1	917		
ידת 25ס מדיש	LIC	44	0	2 6	80	39.9	826	39.9	826		
WLMB D35 DT			0	2,0	00	0.0	020	0.0	020		
WIME D35 DI	APP	4	.0		80	0.0	0	0.0	0		
Interference	to BLANK	000111	606	LIC scen	ario	1					
	Call	Chan	Svc	Status	City	7, State		File Numb	er	Distanc	e
Desired:								BLANK0000			
Undesireds:	WCYB-TV	D35	DT	APP	BRIS	STOL, VA		WCYB 35 1	MW OMNI 1400C	49.0 k	m
	WFMY-TV	D35	DT	LIC	GREE	INSBORO, NC		BLANK0000	113927	181.4	
	WMYA-TV	D35	DT	LIC	ANDE	ERSON, SC		BLANK0000	120378	162.1	
	WUPA	D36	DT	LIC	ATL	ERSON, SC ANTA, GA		BLANK0000	084466	338.6	
	WFXG	D36	DT	LIC	AUGU	JSTA, GA FLE BEACH, S		BLANK0000	081277	294.2	
	WFXB	D36	DT	LIC	MYRT	LE BEACH,	sc	BLANK0000	081825	319.1	
	WVLR	D36	DT	LIC	TAZE	WELL, TN		BLANK0000	097858	161.7	
	WFXR	D36	DT	LIC	ROAN	EWELL, TN NOKE, VA		BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000 BLANK0000	080996	196.3	
		200				,					
Serv 36982.7 3									ree, after 2,678,715		
Underined				metel	TV	Unique T	V hoforo	Unimus	TV often		
Undesired WCYB-TV D35		1 2 0		100	~ ~			Unique 75 8	10 000		
WENV TV D25		110		10,0	00	72 2	0 024	73.0	0 024		
WIMI-IV DOD		112		2,5	0.4	7 0	2 057	72.2	2 054		
WMIA-TV D35	DT LIC	11		2,894		7.9	2,857	7.9	2,857		
WUPA D36 DT	LIC	28.1		2,0	79	8.1	118	8.1	118		
WFXG D36 DT	LIC	163.8		7,5	/9	56.0	1,731	56.0	1,731		
WFXB D36 DT	LIC	123	123.4 5,4		85	47.8	2,177	47.8	2,177		
WVLR D36 DT	LIC	71	139.7 16,0 112.3 12,3 11.9 2,8 28.1 2,0 163.8 7,5 123.4 5,4 71.9 4,5 377.5 25,7		14	51.8	4,040	19.9	1,011		
WFXR D36 DT	LIC	377	.5	25,7	91	284.9	19,913	257.0	17,227		
Interference											
	0-11	Ch	G	0+++	<u>0</u> :+	. Ch at-				Dista	_
	Call	Chan	Svc	Status	City	7, State		File Numb		Distanc	e
Desired:	WVLR	D36	DT	LIC	TAZI	EWELL, TN		BLANK0000	097858		
T		D 25						MOVD 25 1		107 0 1	
Undesireds:	WCIB-TV	D35	DT	APP	BRIS	STOL, VA		WCIB 35 I	MW OMNI 1400C		m
	WAVE	D36	DT	LIC	TOOT	LSVILLE, KY		BLANK0000	089043	304.8	
	WUNE-TV	D36	DT	LIC	LIN	/ILLE, NC		BLANK0000	111606	161.7	
	WTVF	D36	DT	LIC	NASI	IVILLE, TN		BLANK0000	090378	283.1	
	WFXR	D36	DT	LIC	ROAL	ISVILLE, KY /ILLE, NC HVILLE, TN HOKE, VA		BLANK0000	080996	326.6	
		-							c .		
									ree, after		
2/295.1 1	,412,728	24652	. 0	1,325,1		245/2.5	1,324,177	24452.5	1,318,782	0.49	0.41
T - d				m - + - 1	T 17		y h c c u c		TV - C h		
Undesired WCYB-TV D35			•	Total		Unique I	X, Defore	Unique			
								120.0	5,395		
			23.9 1				102	11.9	102		
WUNE-TV D36 DT LIC			.0		0 4.0		0	4.0	0		
WTVF D36 DT LIC				4	29 44.2 397		44.2	397			
WFXR D36 DT	LIC	8	.0	4	69	8.0	469	8.0	469		
Interference to BLANK0000097858 LIC scenario 2											
	Co11	Char	C	C+++	C: 1-			File North	~ ~	Dieter -	~
_ · ·	Call				_	7, State		File Numb		Distanc	e
Desired:	WVLR	D36	DT	LIC	TAZE	EWELL, TN		BLANK0000	097858		
										105	
Undesireds:	WCYB-TV	D35	DT	APP	BRIS	STOL, VA		WCYB 35 1	MW OMNI 1400C		m
								BLANK0000	089043	304.8	
	WUNE-TV	D36	DT	LIC	LIN	/ILLE, NC		BLANK0000	111606	161.7	

Carl T. Jones Corporation 7901 Yarnwood Court, Springfield, Virginia 22153-2827 (703) 569-7704 Fax: (703) 569-6417

WTVF WFXR	D36 DT D36 DT		SHVILLE, TN ANOKE, VA	ſ	BLANK0000 BLANK0000		283.1 326.6	
Service area	Terra	ain-limited	IX-fr	ee, before	IX-1	free, after	Percent New IX	
27295.1 1,412,728	24652.6	1,325,177	24572.5	1,324,177	24452.5	1,318,782	0.49	0.41
Undesired		Total IX	Unique	IX, before	Unique	e IX, after		
WCYB-TV D35 DT APP	120.0	5,395	_		120.0	5,395		
WAVE D36 DT LIC	23.9	134	11.9	102	11.9	102		
WUNE-TV D36 DT LIC	8.0	0	4.0	0	4.0	0		
WTVF D36 DT LIC	52.1	429	44.2	397	44.2	397		
WFXR D36 DT LIC	8.0	469	8.0	469	8.0	469		

Interference to proposal scenario 1 APPLICANT AGREES TO ACCEPT PREDICTED RECEIVED INTERFERENCE 4.33% interference received

Desired:	Call WCYB-TV			Status APP	City, State BRISTOL, VA		File Numb WCYB 35 1	er MW OMNI 1400C	Distance
					· · · ,				
Undesireds:	WVLT-TV	D34	DT	LIC	KNOXVILLE, I	'N	BLANK0000	173.3 km	
	WKLE	D35	DT	LIC	LEXINGTON, K	ΥY	BLANK0000	252.7	
	WFMY-TV	D35	DT	LIC	GREENSBORO,	NC	BLANK0000	213.5	
	WPTD	D35	DT	LIC	DAYTON, OH		BLANK0000	409.0	
	WMYA-TV	D35	DT	LIC	ANDERSON, SC	:	BLANK0000	200.8	
	WTCI	D35	DT	CP	CHATTANOOGA,	TN	BLANK0000	317.5	
	WTAP-TV	D35	DT	LIC	PARKERSBURG,	WV	BLANK0000	325.9	
	WUNE-TV	D36	DT	LIC	LINVILLE, NO	:	BLANK0000	49.0	
	WVLR	D36	DT	LIC	TAZEWELL, TN	I	BLANK0000	137.8	
	WFXR	D36	DT	LIC	ROANOKE, VA		BLANK0000	080996	192.6
						_			
	vice area					IX-free		ent IX	
51815.3 2	2,297,205	42115	.8	1,657,6	78 41258.5	1,585,870	2.04	4.33	
Undesired				Total	TV	Unique IX	Prcnt Uni	CILO IV	
WVLT-TV D34		120	2		33 44.1	-		•	
WKLE D35 DT LIC				31 32.0					
WFMY-TV D35 DT LIC					11 115.8				
WPTD D35 DT LIC		8.0		,	85 4.0	,	0.01		
WMYA-TV D35 DT LIC		193.0		_	89 16.1		0.04	0.02	
WTCI D35 DT CP		16.0			45 16.0	245	0.04	0.01	
		43.9			16 31.9				
WUNE-TV D36		-	. 6		99 124.4				
WVLR D36 DT			.9		01 143.9				
WFXR D36 DT					90 0.0	,0	0.00	0.00	
	-	-				•			